ANCHO & AGAVE

SUMMIT FAIR SHOPPING CENTER
D-BUILDING
860-A NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086

PROJECT DESCRIPTION

INTERIOR BUILD-OUT OF EXISTING RETAIL (GROUP M) TENANT SPACE FOR NEW RESTAURANT (GROUP A-2) IN AN EXISTING ONE STORY FULLY SPRINKLERED BUILDING (TYPE II-B NON-COMBUSTABLE) WITH EXTERIOR MODIFICATIONS

PROJECT NOTES:

1. INCLUDED AS PART OF THESE DOCUMENTS IS THE "GENERAL CONDITIONS FOR CONSTRUCTION", AIA DOCUMENT A-201, ARTICLE THRU 14 INCLUSIVE.

2. THESE DRAWINGS INDICATE THE GENERAL SCOPE OF THE PROJECT IN TERMS OF THE ARCHITECTURAL DESIGN CONCEPT, DIMENSIONS, MAJOR ELEMENTS AND MATERIALS, THESE DRAWINGS DO NOT NECESSARILY INDICATE OR DESCRIBE ALL WORK REQUIRED FOR THE FULL COMPLETION OF THE PROJECT.

3. THE GENERAL CONTRACTOR AND HIS SUBCONTRACTOR SHALL FURNISH ALL OF THOSE ITEMS AND LABOR REQUIRED FOR THE FULL COMPLETION OF THIS PROJECT IN A FIRST CLASS WORKMANSHIP LIKE MANNER.

4. THE ELECTRICAL CONTRACTOR SHALL INSTALL SMOKE AND CARBON MONOXIDE DETECTORS AS SHOWN ON THE PROJECT DRAWINGS AND AS REQUIRED BY THE LOCAL CODES.

5. INTERIOR FINISHES SHALL NOT EXCEED CLASS A, 0-25 FLAME SPREAD, 200 SMOKE.

6. THE SUBCONTRACTORS SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF ALL DIMENSIONS AND CONDITIONS BEFORE EXECUTION OF ANY WORK AND SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT IN WRITING.

7. THE GENERAL CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THE ADHERENCE TO COMPLY WITH ALL APPLICABLE CITY, STATE AND NATIONAL CODES AND ORDINANCES.

8. THE SUBCONTRACTORS SHALL VERIFY ALL PARTITION LAYOUTS AND SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT IN WRITING BEFORE PROCEEDING WITH ANY FRAMING.

9. THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL INCOMING UTILITIES.

10. WRITTEN DIMENSIONS HOLD PREFERENCE OVER SCALED DIMENSIONS. THESE DRAWINGS MAY HAVE BEEN REPRODUCED AT A SIZE DIFFERENT THAN ORIGINALLY DRAWN. DO NOT SCALE DRAWINGS.

11. GENERAL CONTRACTORS AND SUBCONTRACORS SHALL COMPLY WITH ALL CITY, STATE AND NATIONAL CODES AND ORDINANCES. PERFORM ALL WORK IN A FIRST CLASS WORKMANSHIP LIKE MANNER AND IN NO WAY DAMAGE OR WEAKEN THE STRUCTURAL STRENGTH OF THE BUILDING. REMAIN RESPONSIBLE FOR COMPLIANCE WITH THE PROVISIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT. (OSHA) LATEST ADDITION. MAINTAIN THROUGHOUT THE CONSTRUCTION PERIOD, A CERTIFICATE OF INSURANCE FOR ALL LIABILITIES, WITH A HOLD HARMLESS CLAUSE, PROTECTING THE OWNER AND ARCHITECT.

12. THE GENERAL CONTRACTOR'S SUBCONTRACTORS SHALL COMPLETELY HOOKUP AND CONNECT ALL EQUIPMENT AND FURNISH ALL NECESSARY APPENDAGES.

13. ALL WINDOW GLASS, MIRRORS, FLOORS AND WALL TILE SHALL BE CLEANED AND WASHED UPON COMPLETION OF THE PROJECT BY THE GENERAL CONTRACTOR.

14. THE PREMISES SHALL BE KEPT IN A BROOM SWEPT FINISH CONDITION DURING ALL PHASES OF THE CONSTRUCTION. ALL SUBCONTRACTORS SHALL BE RESPONSIBLE FOR CLEANING UP AND DISPOSING OF THEIR LITTER AND LEFT OVER MATERIAL ON A REGULAR BASIS AND LEAVE THE PROJECT IN A BROOM FINISH CONDITION UPON COMPLETION OF THEIR PORTION OF THIS PROJECT.

15. THE ENTIRE INSTALLATION SHALL BE PERFORMED WITH A FIRST CALL WORKMANSHIP LIKE MANNER THE COMPLETED SYSTEMS SHALL BE FULLY OPERATIONAL. ACCEPTANCE BY THE OWNER SHALL BE A CONDITION OF THE CONTRACT.

16. ALL WORK SHALL BE COORDINATED WITH ALL OTHER TRADES IN ORDER TO AVOID INTERFERENCE , PRESERVE MAXIMUM HEAD ROOM AND AVOID OMISSIONS.

17. THE GENERAL CONTRACTOR SHALL PROVIDE TEMPORARY FENCING AND BARRICADES AROUND THE ENTIRE CONSTRUCTION SITE AS REQUIRED BY THE CITY OF OMAHA TO BE PROTECTED AND AT ANY OPENINGS THAT MIGHT PRESENT A HAZARD.

18. ALL DOORS USED IN CONNECTION WITH EXITS SHALL BE SO ARRANGED AS TO BE READILY OPENED WITHOUT USE OF A KEY FROM THE SIDE FROM WHICH EGRESS IS MADE.

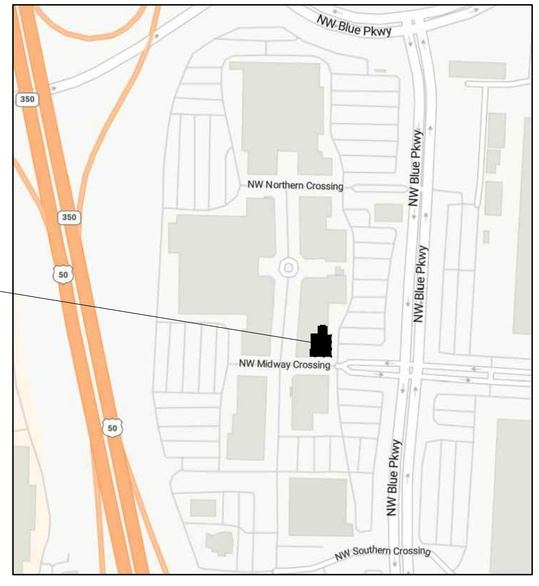
19. ALL GLAZED DOORS, ALL SKYLIGHTS AND ALL GALZED PANELS MORE THAN 18" IN WIDTH IMMEDIATELY ADJACENT TO ANY DOOR WHERE STHE SILL OF THE GLAZED PANEL IS LESS THAN 24" ABOVE THE FOOR SHALL BE GLAZED WITH SAFETY GLAZING MATERIAL NO WINDOW SILLS SHALL HAVE A SILL HEIGHT OF LESS THAN 2'-0" ABOVE THE FLOOR UNLESS NOTED OTHERWISE.

20. ALL SUB-CONTRACTORS SHALL PROVIDE FIRE-STOPPING EQUAL IN RATING TO THE FLOOR/CELING AND WALL ASSEMBLIES THROUGH WHICH PENETRATIONS ARE MADE. THE GENERAL CONTRACTOR SHALL ENSURE FIRE-STOPPING IS INCLUDED IN ALL SUB CONTRACTORS SCOPE OF WORK.

DRAWING INDEX:

PROJECT LOCATION/SITE:

ANCHO & AGAVE
SUMMIT FAIR SHOPPING CENTER
D-BUILDING
860-A NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086
(PREVIOUS TENANT 'BEAUTY BRANDS')



1 T0.1 PROJECT LOCATION PLAN
SCALE: NOT TO SCALE

NORTH

PROJECT TEAM:

OWNER/LANDLORD:
XXX
ONE EAST WASHINGTON STREET, #300
PHOENIX, AZ 85004
(480) 556-7732
DUSTIN CLEVELAND DCleveland@reddevelopment.com

TENANT/APPLICANT:
ALL IN HOSPITALITY
1705 CLEARWATER AVENUE
BLOOMINGTON, IL 61704
(309) 664-2148 #211
TODD HOVENDEN todd@biaggis.com

ARCHITECT:
CARR WARNER ARCHITECTS, LTD.
3711 N. RAVENSWOOD, #104
CHICAGO, IL 60613
(773) 477-9009
RICHARD CARR rick@carrwarner.com
WILLIAM WARNER bill@carrwarner.com

DESIGNER:
PROJECT CONTACT
ALL IN HOSPITALITY
1705 CLEARWATER AVENUE
BLOOMINGTON, IL 61704
(708) 218-4327
PAM VALENTA pvalenta@biaggis.com

CIVIL ENGINEER:
OLSSON ENGINEERING
7301 WEST 133rd. STREET, STE #200
OVERLAND PARK, KS 66213
(913) 381-1170
BRAD SONNER bsonner@olsson
LUKE MOORE

STRUCTURAL ENGINEER:
SOUND STRUCTURES, INC.
152 E. MAIN STREET
LAKE ZURICH, IL 60047
(847) 749-0923
NATHAN SCHUETTE nathan@soundstructures.net

ELECTRICAL ENGINEER:
DICKERSON ENGINEERING, INC.
3343 N. RIDGE AVENUE
ARLINGTON HEIGHTS, IL 60004
(847) 966-0290
STEPHAN BARNARD steve.barnard@dei-pe.com
KALEO PEDRINA

MP + FP ENGINEER:
WCW ENGINEERS, INC.
760 CREEL DRIVE
WOOD DALE, IL 60191
(630) 595-8800
SUNG KWON sung.kwon@wcwengineers.com
MATT ZOOK

KITCHEN CONSULTANT:
ADE RESTAURANT SERVICES, INC.
471 SOUTH IRMEN DRIVE
ADDISON, IL 60101
(630) 628-0811
STEVE SCHOOP sschoop@adefoodservice.com
ROB THOMPSON

PERMIT
REVISION #1

NO	DATE	DESCRIPTION
1	Ø4.25.25	ISSUE FOR PERMIT
1	Ø5.14.25	PERMIT REVISION ¶

NOTE:
REFER TO SHEET #A1.1 FOR ALL CODE DATA AND BUILDING ANALYSIS

I hereby certify that these drawings are prepared by me or under my supervision and to the best of my professional knowledge and belief conform to the City of Lee's Summit Building Codes and Ordinances.

WILLIAM D. WARNER
Missouri License No. A-2025012951
Exp. Date: 12-31-2025

STATE OF MISSOURI
WILLIAM D. WARNER
NUMBER A-2025012951
ARCHITECT

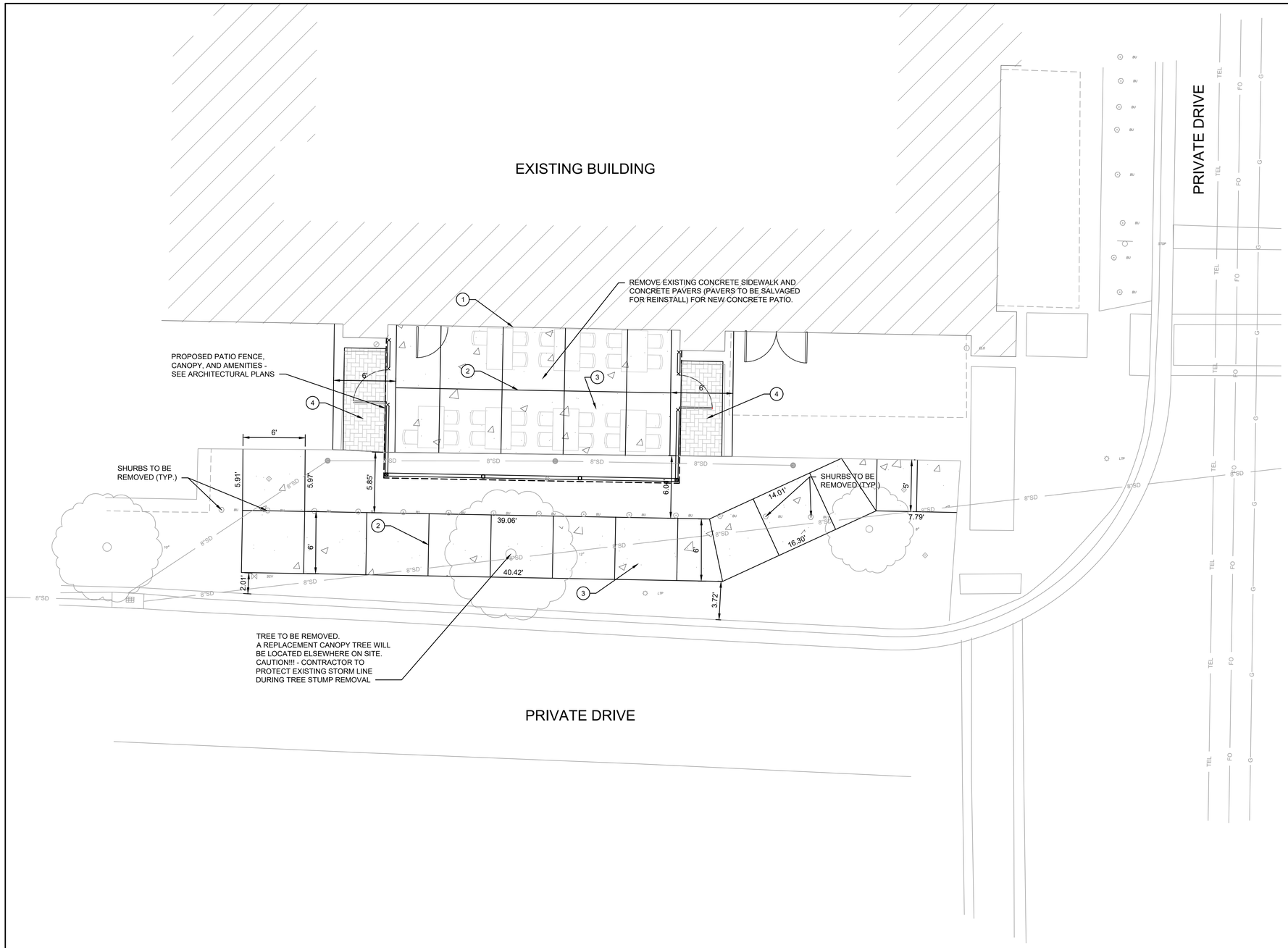
DATE: 05/14/2025
EXP. DATE: 12/31/2025

ANCHO & AGAVE
SUMMIT FAIR SHOPPING CENTER
D-BUILDING
860-A NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086

CARR WARNER
ARCHITECTS
ARCHITECTURE
INTERIORS
PLANNING
3711 N. RAVENSWOOD
SUITE #104
CHICAGO, ILLINOIS 60613
p 773-477-9009
f 773-477-6888
www.carrwarner.com

TITLE SHEET:
SITE PLAN,
PROJECT INFORMATION

JOB NO:	SHEET NO:
ANCHO - SUMMIT FAIR	T0.1
DATE: 05.14.2025	



SITE PLAN NOTES

1. ALL PAVEMENT DIMENSIONS ARE TO BACK OF CURB, OR EDGE OF PAVEMENT WHERE NO CURB IS PRESENT, UNLESS OTHERWISE NOTED. DIMENSIONED TIES BETWEEN PROPERTY LINES AND BUILDING FACES OR PAVEMENT ARE AS INDICATED. THE CONTRACTOR IS RESPONSIBLE FOR MAKING ANY ADJUSTMENTS NECESSARY FOR FOUNDATIONS, BEDDING EXTENSIONS, SURCHARGING, ETC.
2. INSTALLED PAVEMENT SHALL MATCH EXISTING PAVEMENT IN GRADE AND ALIGNMENT TO PROVIDE SMOOTH SURFACE TRANSITIONS. INSTALLED CURB & GUTTER SHALL MATCH EXISTING CURB & GUTTER IN SIZE AND TYPE OR CONTRACTOR SHALL INCLUDE A TRANSITION FROM NEW TO EXISTING OF NO LESS THAN 5' AS MEASURED ALONG BACK OF CURB.

LEGEND

- CONCRETE SIDEWALK
- CONCRETE PAVERS
- PROPOSED PATIO FENCE
- G — EXISTING GAS LINE
- TEL — EXISTING UNDERGROUND TELECOMM
- FO — EXISTING UNDERGROUND FIBER OPTICS
- SD — EXISTING STORM SEWER

KEYNOTES

1. EXPANSION JOINT; REF: C3.00
2. CONTROL JOINT; REF: C3.00
3. CONSTRUCT CONCRETE PAVING; REF: C3.00
4. CONSTRUCT CONCRETE PAVERS, CONCRETE PAVER PATTERN SHALL BE 90° HERRINGBONE PATTERN; REF: C3.00

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP-CALL BEFORE YOU DIG!!

THE CONTRACTOR SHALL ADHERE TO THE PROVISIONS OF THE SENATE BILL NUMBER 583, 78TH GENERAL ASSEMBLY OF THE STATE OF MISSOURI. THE BILL REQUIRES THAT ANY PERSON OR FIRM DOING EXCAVATION ON PUBLIC RIGHT- OF-WAY DO SO ONLY AFTER GIVING NOTICE TO, & OBTAINING INFORMATION FROM, UTILITY COMPANIES. STATE LAW REQUIRES 48 HOURS ADVANCE NOTICE. CALL 1-800-DIG-RITE.

0' 2.5' 5' 10'
SCALE IN FEET

olsson
7301 West 133rd Street
Suite 200
Overland Park, KS 66213
olsson.com
TEL 913.381.1170
FAX 913.381.1174
Olsson - Engineering
Missouri COA #001592

STATE OF MISSOURI
TERRY M. PARSONS
NUMBER PE-2016010505
PROFESSIONAL ENGINEER
4/25/2025

REVISIONS

REV. NO.	DATE	DESCRIPTION	BY

SITE PLAN
PATIO IMPROVEMENTS

ANCHO & AGAVE
860-A NW BLUE PARKWAY
LEE'S SUMMIT, MO

2025

drawn by: JMA
designed by: JMA
project no.: 025-01325
date: 04.16.2025

SHEET
C1.00

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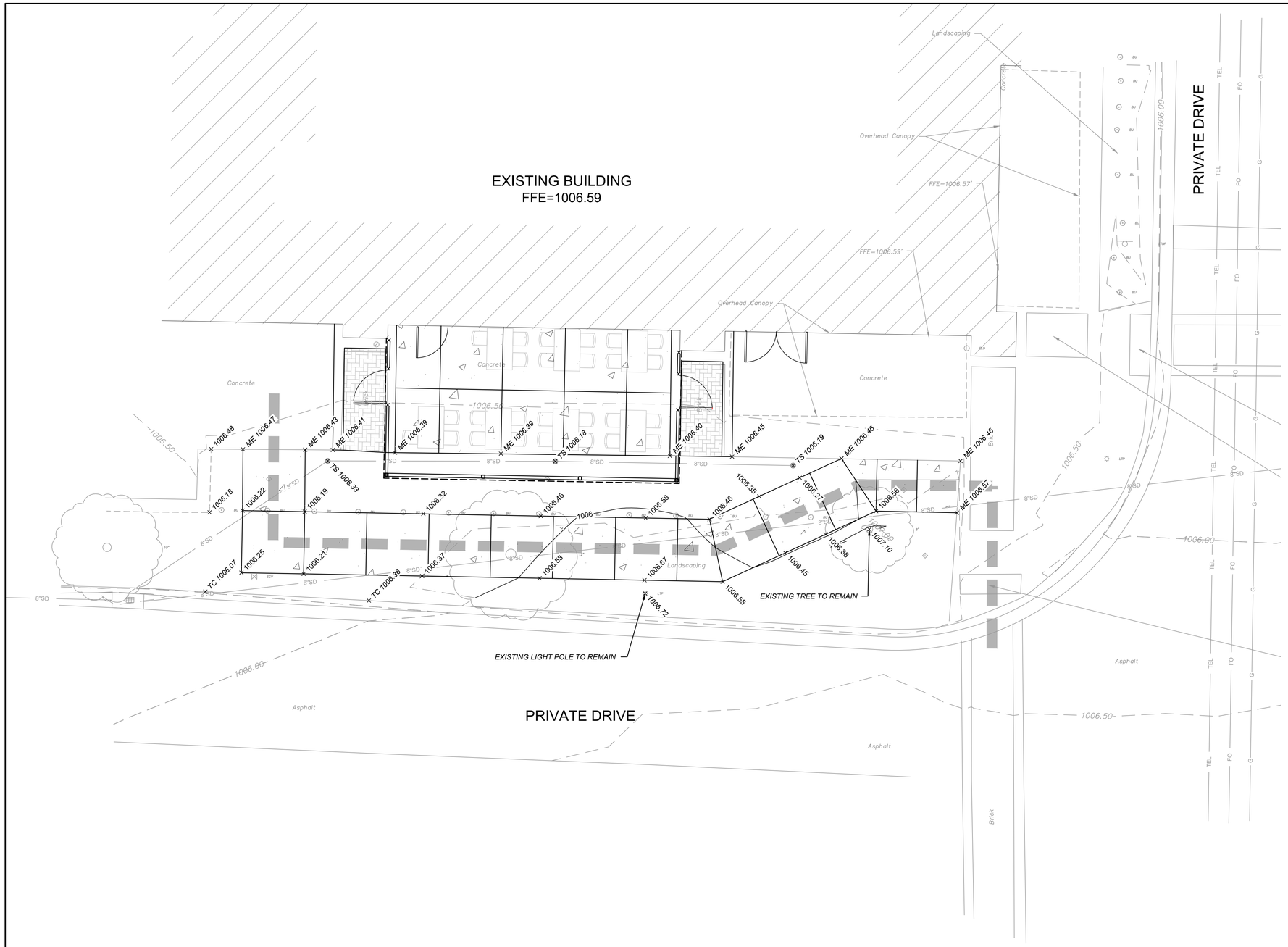

GRADING PLAN NOTES

1. THE CONTOUR LINES, SPOT ELEVATIONS AND BUILDING FLOOR ELEVATIONS SHOWN ARE TO FINISH GRADE, SURFACE OF PAVEMENT, TOP OF CURBS, ETC. REFER TO TYPICAL SECTIONS FOR PAVING, SLAB AND AGGREGATE BASE THICKNESS TO DEDUCT PAVEMENT DEPTH FROM ELEVATIONS SHOWN.
2. THE CONTRACTOR SHALL FINISH GRADE SLOPES AS SHOWN NO STEEPER THAN 1 FOOT VERTICAL IN 3 FEET HORIZONTAL.
3. THE CONTRACTOR SHALL GRADE LANDSCAPED AREAS TO PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDING AND SIDEWALKS WHEN FINISH LANDSCAPE MATERIALS ARE IN PLACE.
4. SPOT ELEVATIONS ARE TO EDGE OF PAVEMENT, LIP OF CURB, OR FINISHED GRADE UNLESS OTHERWISE INDICATED. (SEE LEGEND)

LEGEND

999	EXISTING GRADE CONTOUR (MAJOR)
999	EXISTING GRADE CONTOUR (MINOR)
999	FINISH GRADE CONTOUR (MAJOR)
999	FINISH GRADE CONTOUR (MINOR)
	PROPOSED PATIO FENCE
G	EXISTING GAS LINE
TEL	EXISTING UNDERGROUND TELECOMM
FO	EXISTING UNDERGROUND FIBER OPTICS
SD	EXISTING STORM SEWER
	PROPOSED ADA ROUTE

SPOT ELEVATION LEGEND:

ALL SPOT ELEVATIONS ARE TOP OF PAVEMENT ELEVATION UNLESS NOTED OTHERWISE. RE: PLAN VIEW, LEGEND AND DETAILS FOR CURB TYPE AND TO CALCULATE TOP OF CURB ELEVATION.

TP	TOP OF PAVEMENT
TC	TOP OF CURB
FG	FINISHED GRADE WITHIN GREENSPACE
TS	TOP OF STRUCTURE
FC	CURB DEPRESSED TO BE FLUSH WITH ADJACENT PAVEMENT
HP	HIGH POINT
LP	LOW POINT
ME	MATCH EXISTING
FFE	FINISH FLOOR ELEVATION AT TOP OF SLAB

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP-CALL BEFORE YOU DIG!!

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N

0' 2.5' 5' 10'
SCALE IN FEET

olsson

7301 West 133rd Street
Suite 200
Overland Park, KS 66213

olsson.com
TEL 913.381.1170
FAX 913.381.1174

Olsson - Engineering
Missouri COA #001592

STATE OF MISSOURI
TERRY M. PARSONS
NUMBER PE-2010010505
PROFESSIONAL ENGINEER
4/15/2025

REV. NO.	DATE	DESCRIPTION	BY

REVISIONS

GRADING PLAN
PATIO IMPROVEMENTS

ANCHO & AGAVE
860-A NW BLUE PARKWAY
LEE'S SUMMIT, MO

2025

drawn by: JMA
designed by: JMA
project no.: 025-01325
date: 04.16.2025

SHEET
C2.00

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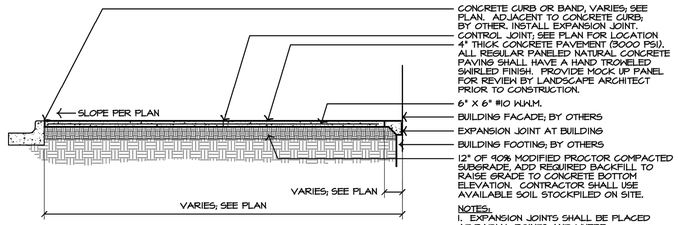


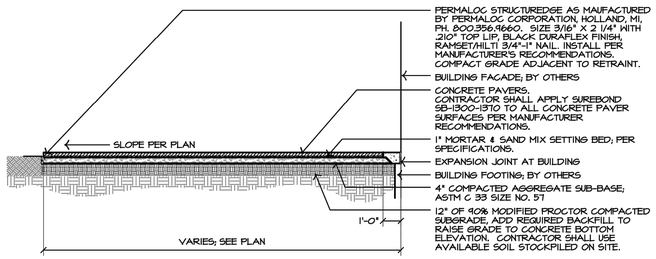
NOTES:

1. EXPANSION JOINTS SHALL BE PLACED AT RADIAL POINTS AND WHERE SIDEWALKS & PEDESTRIAN CONCRETE PAVING ABUTS CONCRETE CURB, DRIVE WAYS AND SIMILAR STRUCTURES. JOINTS TO BE PLACED AT INTERVALS WITH NOT MORE THAN 100' CENTERS.

2. THE PEDESTRIAN CONCRETE PAVING SURFACE SHALL BE MARKED OFF AS SHOWN ON PLANS BY CONTROL JOINTS.

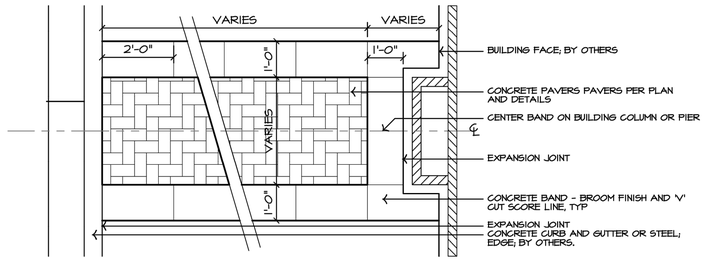
CONCRETE PAVING TYPICAL

SCALE: N.T.S.



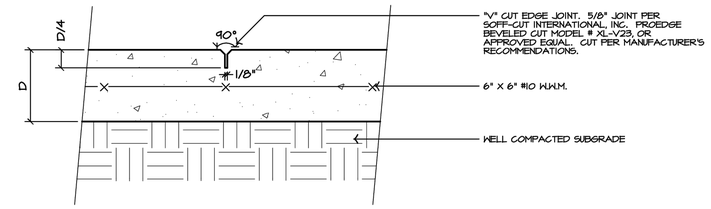
CONCRETE PAVER STEEL EDGE TYPICAL

SCALE: N.T.S.

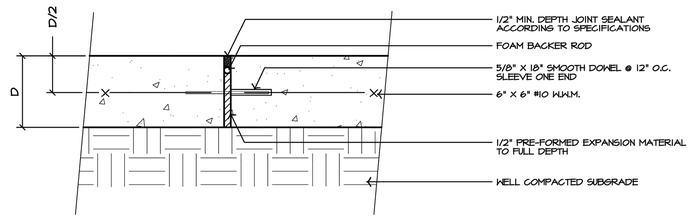


CONCRETE PAVER LAYOUT TYPICAL

SCALE: N.T.S.



CONTROL JOINT DETAIL - CONCRETE PAVEMENT AREAS



EXPANSION JOINT DETAIL

CONCRETE JOINTS TYPICAL

SCALE: N.T.S.

olsson

7301 West 133rd Street
Suite 200
Overland Park, KS 66213

olsson.com
TEL 913.381.1170
FAX 913.381.1174

Olsson - Engineering
Missouri COA #001592

STATE OF MISSOURI
TERRY M. PARSONS
NUMBER PE-2010010505
4/16/2025
PROFESSIONAL ENGINEER

REV. NO.	DATE	DESCRIPTION	BY
		REVISIONS	

MISSOURI ONE CALL SYSTEM, INC.
1-800-344-7483
STOP-CALL BEFORE YOU DIG!!

THE CONTRACTOR SHALL ADHERE TO THE PROVISIONS OF THE SENATE BILL NUMBER 583, 78TH GENERAL ASSEMBLY OF THE STATE OF MISSOURI. THE BILL REQUIRES THAT ANY PERSON OR FIRM DOING EXCAVATION ON PUBLIC RIGHT- OF-WAY DO SO ONLY AFTER GIVING NOTICE TO, & OBTAINING INFORMATION FROM, UTILITY COMPANIES. STATE LAW REQUIRES 48 HOURS ADVANCE NOTICE. CALL 1-800-DIG-RITE.

STANDARD DETAILS
PATIO IMPROVEMENTS

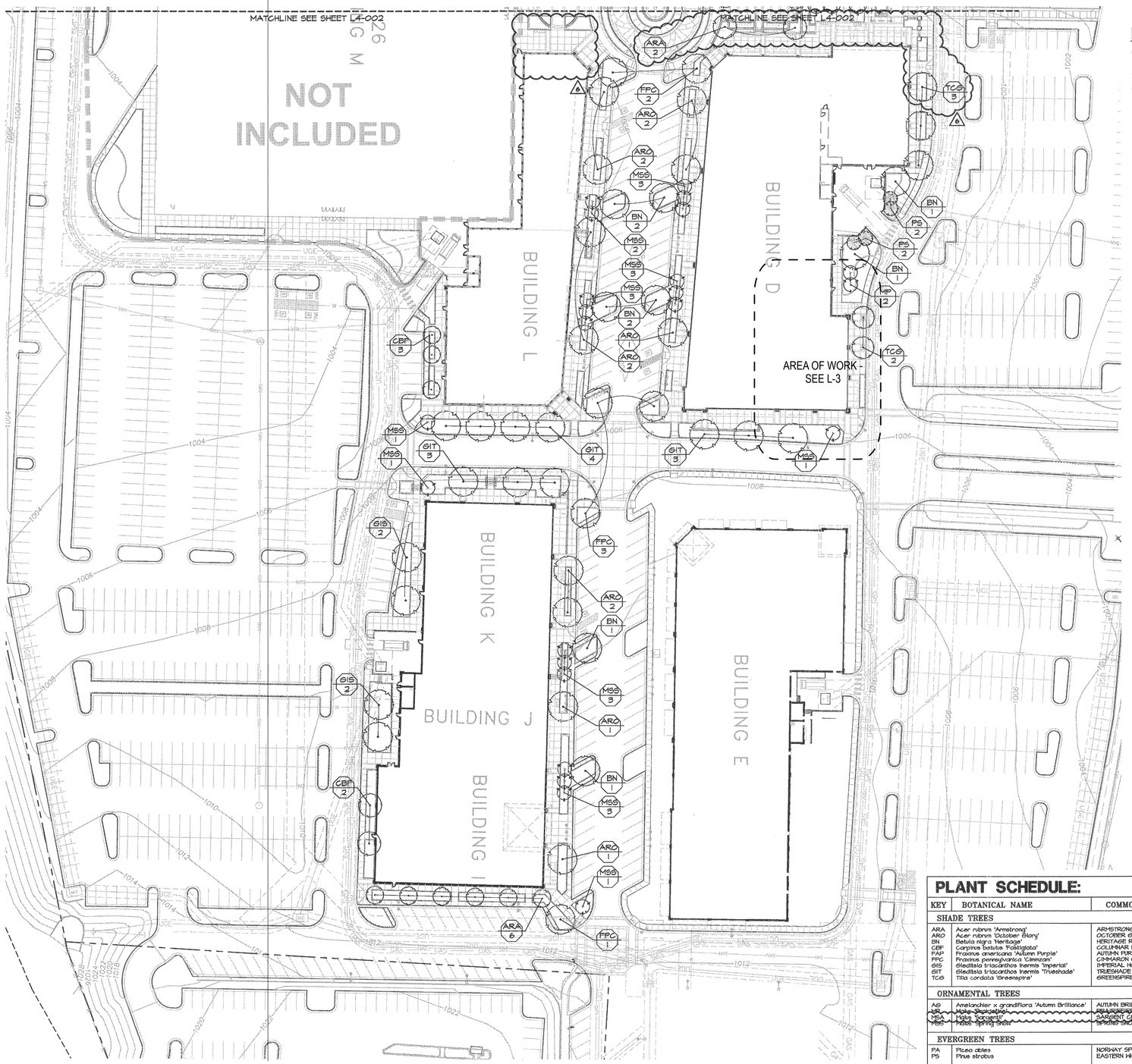
ANCHO & AGAVE
860-A NW BLUE PARKWAY

LEE'S SUMMIT, MO

2025

drawn by: JMA
designed by: JMA
project no.: 025-01325
date: 04.16.2025

SHEET
C3.00



1 EXISTING LANDSCAPE PLAN - OVERSTORY

PLAN NOTES:

1. AREA TO BE SODDED WITH TURF-TYPE FESCUE SOD; RE: SPECIFICATIONS.
2. LANDSCAPE PLANTING BED; RE: L4-010
3. STEEL EDGING; RE: 5/L4-010
4. STREET SIGN; BY OTHERS
5. ANNUAL PLANTINGS. ANNUAL BEDS TO BE PLANTED WITH FALL SEASON ANNUALS TO INCLUDE: CALENDULA, CHRYSANTHEMUMS, DIANTHUS AND PANSIES.
6. AREA TO BE SEEDED WITH TURF-TYPE FESCUE SOD RE: SPECIFICATIONS

PLANT SCHEDULE:

KEY	BOTANICAL NAME	COMMON NAME	SIZE	COND.	COMMENTS
SHADE TREES					
ARA	Acer rubrum 'Armstrong'	ARMSTRONG RED MAPLE	3" CAL.	B & B	N/A
ARO	Acer rubrum 'October Glory'	OCTOBER GLORY RED MAPLE	3" CAL.	B & B	N/A
BN	Betula nigra 'Heritage'	HERITAGE RIVER BIRCH	3" CAL.	B & B	N/A
CBF	Carpinus betulus 'Fastigiata'	COLUMNAR HORNBEAM	3" CAL.	B & B	N/A
FAP	Fraxinus americana 'Autumn Purple'	AUTUMN PURPLE WHITE ASH	3" CAL.	B & B	N/A
FPC	Fraxinus pennsylvanica 'Cimmzam'	CIMMARON GREEN ASH	3" CAL.	B & B	N/A
GIS	Gleditsia triacanthos inermis 'Imperial'	IMPERIAL HONEYLOCUST	3" CAL.	B & B	N/A
GIT	Gleditsia triacanthos inermis 'Trueshade'	TRUESHADE HONEYLOCUST	3" CAL.	B & B	N/A
TCG	Tilia cordata 'Greenspire'	GREENSPIRE LITTLELEAF LINDEN	3" CAL.	B & B	N/A
ORNAMENTAL TREES					
AG	Amelanchier x grandiflora 'Autumn Brilliance'	AUTUMN BRILLIANCE SERVICEBERRY	3" CAL.	B & B	CLUMP
MP	Malus 'Prairiefire'	PRAIRIEFIRE CRABAPPLE	3" CAL.	B & B	N/A
MSS	Malus 'Sargentii'	SARGENT CRABAPPLE	3" CAL.	B & B	N/A
MS2	Malus 'Spring Snow'	SPRING SNOW CRABAPPLE	3" CAL.	B & B	N/A
EVERGREEN TREES					
PA	Picea abies	NORWAY SPRUCE	8' HT. MIN.	B & B	N/A
PS	Pinus strobus	EASTERN WHITE PINE	8' HT. MIN.	B & B	N/A

ISSUE FOR PERMIT

OWNER RELEASE: I HAVE REVIEWED THESE DRAWINGS FOR DESIGN INTENT AND HEREBY CERTIFY THAT THEY CONFORM IN ALL RESPECTS TO MY DESIGN CRITERIA AND ARE APPROVED.

BY:_____ DATE:_____

THESE DRAWINGS MAY HAVE BEEN REPRODUCED AT A SIZE DIFFERENTLY THAN ORIGINALLY DRAWN. OWNER AND ARCHITECT ASSUME NO RESPONSIBILITY FOR USE OF INCORRECT SCALE.

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH CONSTRUCTION AND NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR CONFLICTS.

NO	DATE	DESCRIPTION
	04.25.25	ISSUE FOR PERMIT

STATE OF MISSOURI
WILLIAM D. WARNER
NUMBER A-2025012951
ARCHITECT

DATE: 04.25.2025
EXPIRATION DATE: 12.31.2025

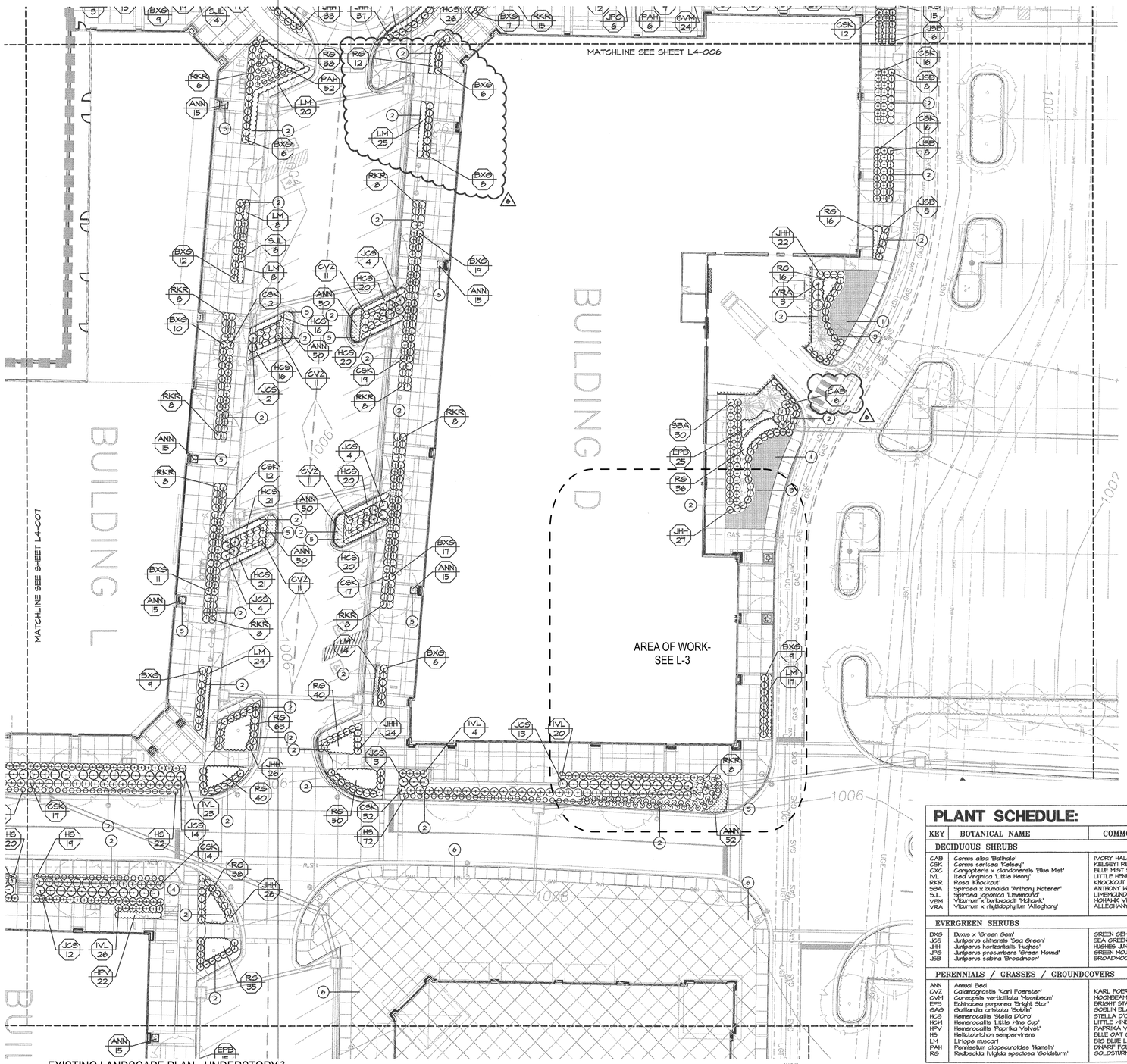
ANCHO & AGAVE

SUMMIT FAIR SHOPPING CENTER
D-BUILDING
860-A NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086

CARR WARNER
ARCHITECTS
ARCHITECTURE
INTERIORS
PLANNING
3711 N. Ravenswood
Suite 104
Chicago Illinois 60613
p 773 477 9009
f 773 477 6888
www.carrwarner.com

EXISTING LANDSCAPE PLAN

JOB NO: ANCHO - SUMMIT FAIR
DATE: 04.25.2025
SHEET NO: L-1



PLAN NOTES:

1. AREA TO BE SODDED WITH TURF-TYPE FESCUE SOD; RE: SPECIFICATIONS.
2. LANDSCAPE PLANTING BED; RE: L4-010
3. STEEL EDGING; RE: 5/L4-010
4. STREET SIGN; BY OTHERS
5. ANNUAL PLANTINGS. ANNUAL BEDS TO BE PLANTED WITH FALL SEASON ANNUALS TO INCLUDE: CALENDULA, CHRYSANTHEMUMS, DIANTHUS AND PANSIES.
6. AREA TO BE SEEDED WITH TURF-TYPE FESCUE SOD RE: SPECIFICATIONS

PLANT SCHEDULE:

KEY	BOTANICAL NAME	COMMON NAME	SIZE	COND.	COMMENTS
DECIDUOUS SHRUBS					
CAB	Cornus alba 'Bailhalo'	IVORY HALO REDTWIG DOGWOOD	5 GAL.	CONT.	N/A
CSK	Cornus sericea 'Kelseyi'	KELSEYI REDTWIG DOGWOOD	3 GAL.	CONT.	N/A
CXC	Caryopteris x clandonensis 'Blue Mist'	BLUE MIST SPIREA	3 GAL.	CONT.	N/A
IVL	Itea virginica 'Little Henry'	LITTLE HENRY SWEETSPIRE	5 GAL.	CONT.	N/A
RKR	Rosa 'Knockout'	KNOCKOUT SHRUB ROSE	3 GAL.	CONT.	N/A
SBA	Spiraea x bumalda 'Anthony Waterer'	ANTHONY WATERER SPIREA	3 GAL.	CONT.	N/A
SJL	Spiraea japonica 'Limemound'	LIMEMOUND SPIREA	3 GAL.	CONT.	N/A
VBH	Viburnum 'x' burkwoodii 'Mohawk'	MOHAWK VIBURNUM	5 GAL.	CONT.	N/A
VRA	Viburnum x rhytidophyllum 'Alleghany'	ALLEGHANY LEATHERLEAF VIBURNUM	5 GAL.	CONT.	N/A
EVERGREEN SHRUBS					
BXG	Buxus x 'Green Gem'	GREEN GEM BOXHOOD	5 GAL.	CONT.	N/A
JCS	Juniperus chinensis 'Sea Green'	SEA GREEN JUNIPER	5 GAL.	CONT.	N/A
JHH	Juniperus horizontalis 'Hughes'	HUGHES JUNIPER	3 GAL.	CONT.	N/A
JPG	Juniperus procumbens 'Green Mound'	GREEN MOUND JUNIPER	3 GAL.	CONT.	N/A
JSB	Juniperus sabina 'Broadmoor'	BROADMOOR JUNIPER	3 GAL.	CONT.	N/A
PERENNIALS / GRASSES / GROUNDCOVERS					
ANN	Annual Bed				
CVZ	Calamagrostis 'Karl Foerster'	KARL FOERSTER FEATHER REED	1 GAL.	CONT.	N/A
CVM	Coreopsis verticillata 'Moonbeam'	MOONBEAM COREOPSIS	1 GAL.	CONT.	N/A
EPB	Echinacea purpurea 'Bright Star'	BRIGHT STAR CONEFLOWER	1 GAL.	CONT.	N/A
GAG	Gaillardia aristata 'Goblin'	GOBLIN BLANKET FLOWER	1 GAL.	CONT.	N/A
HCS	Hemerocallis 'Stella D'Oro'	STELLA D'ORO DAYLILY	1 GAL.	CONT.	N/A
HCM	Hemerocallis 'Little Wine Cup'	LITTLE WINE CUP DAYLILY	1 GAL.	CONT.	N/A
HPV	Hemerocallis 'Paprika Velvet'	PAPRIKA VELVET DAYLILY	1 GAL.	CONT.	N/A
HS	Helictotrichon sempervirens	BLUE OAT GRASS	1 GAL.	CONT.	N/A
LM	Liriope muscari	BIG BLUE LIRIOPE	1 GAL.	CONT.	N/A
PAH	Pennisetum alopecuroides 'Hameln'	DWARF FOUNTAIN GRASS	1 GAL.	CONT.	N/A
RG	Rudbeckia fulgida speciosa 'Goldsturm'	GOLDSTURM BLACK-EYED SUSAN	1 GAL.	CONT.	N/A

ISSUE FOR PERMIT

OWNER RELEASE: I HAVE REVIEWED THESE DRAWINGS FOR DESIGN INTENT AND HEREBY CERTIFY THAT THEY CONFORM IN ALL RESPECTS TO MY DESIGN CRITERIA AND ARE APPROVED.

BY:_____ DATE:_____

THESE DRAWINGS MAY HAVE BEEN REPRODUCED AT A SIZE DIFFERENTLY THAN ORIGINALLY DRAWN. OWNER AND ARCHITECT ASSUME NO RESPONSIBILITY FOR USE OF INCORRECT SCALE.

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH CONSTRUCTION AND NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR CONFLICTS.

NO	DATE	DESCRIPTION
	04.25.25	ISSUE FOR PERMIT

STATE OF MISSOURI
WILLIAM D. WARNER
NUMBER A-2025012951
ARCHITECT

DATE: 04.25.2025
EXPIRATION DATE: 12.31.2025

ANCHO & AGAVE

SUMMIT FAIR SHOPPING CENTER
D-BUILDING
860-A NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086

CARR WARNER
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3711 N. Ravenswood
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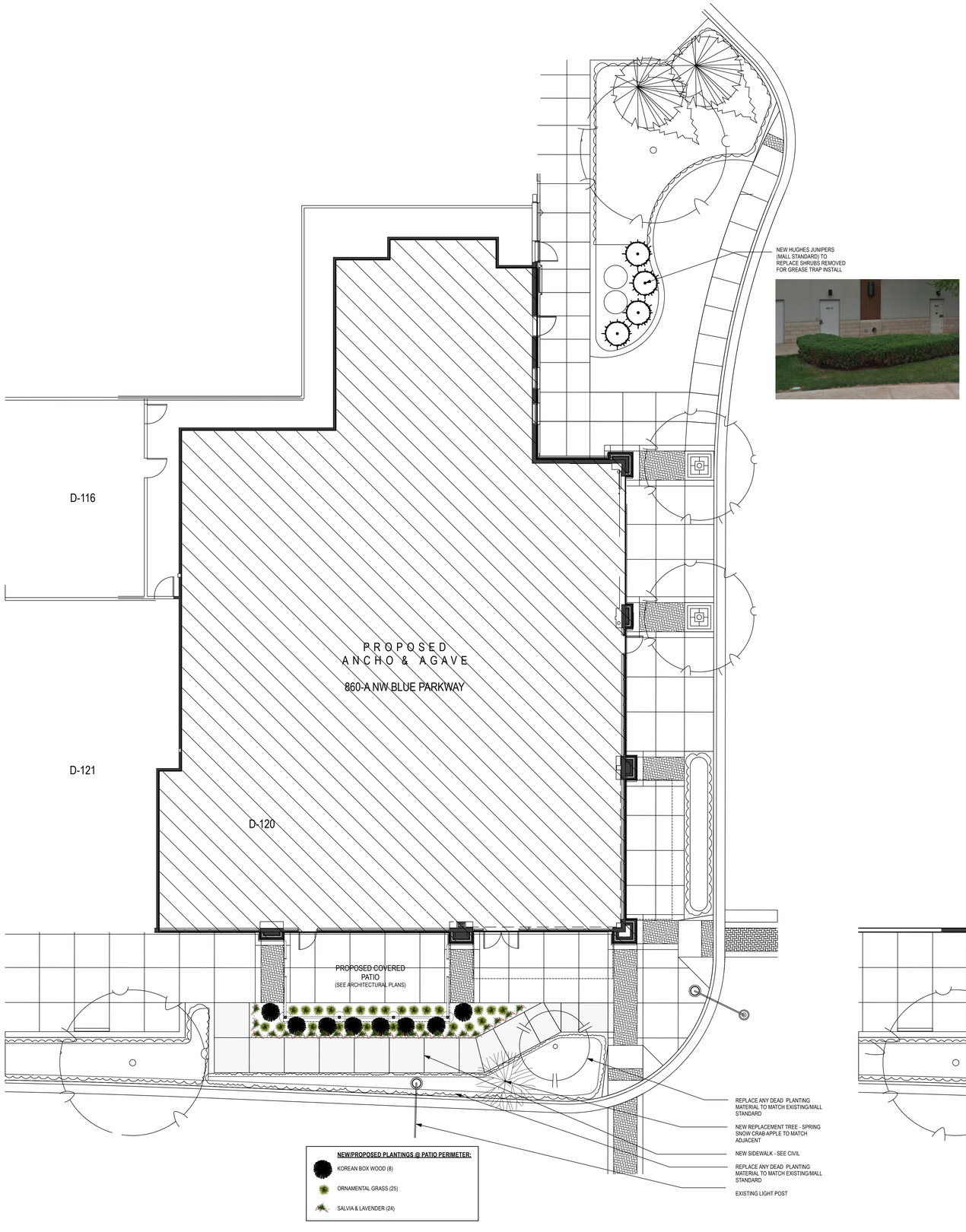
Chicago Illinois 60613
p 773 477 9009
f 773 477 6888
www.carrwarner.com

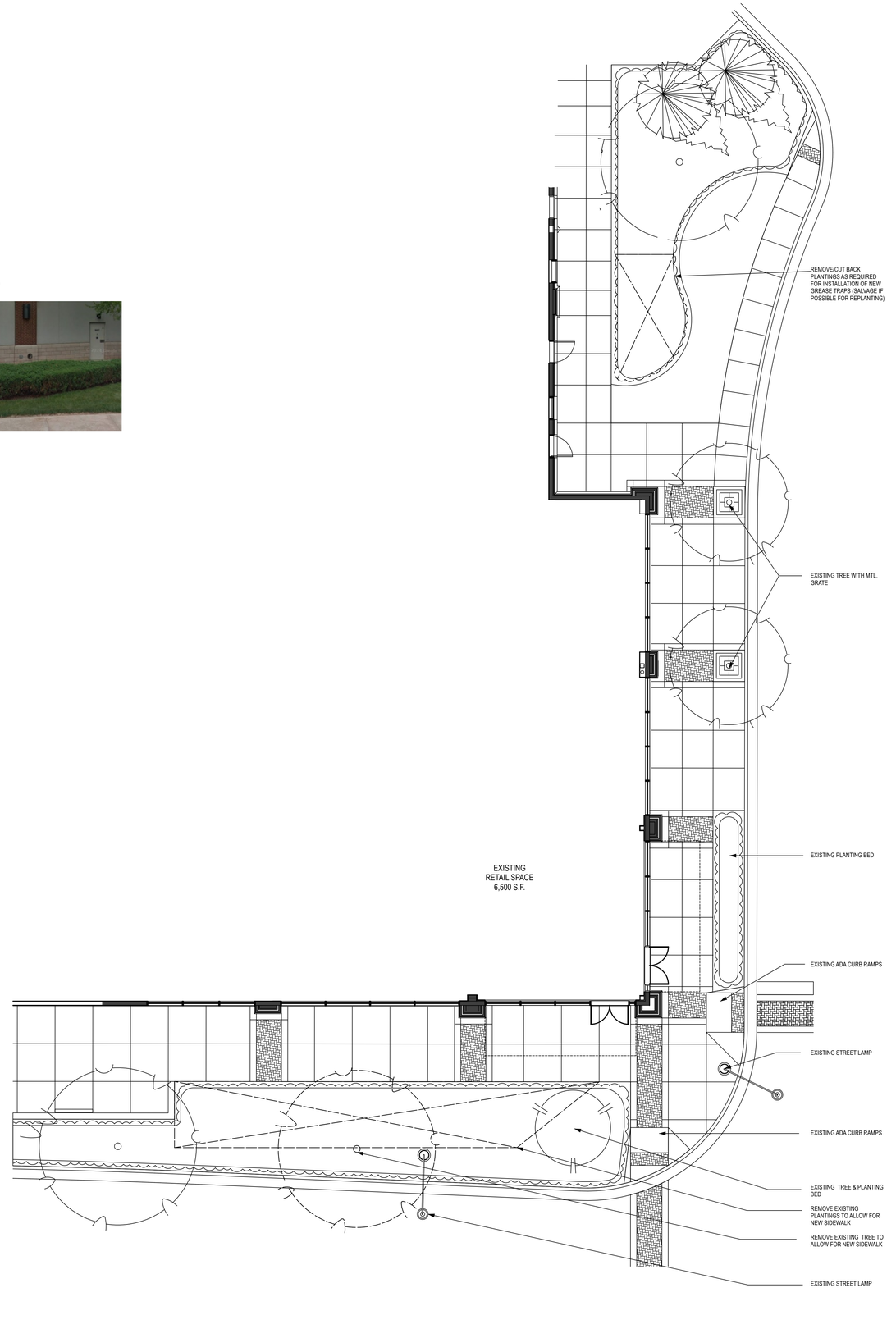
EXISTING LANDSCAPE UNDERSTORY

JOB NO: ANCHO - SUMMIT FAIR
DATE: 04.25.2025
SHEET NO: L-2



B PROPOSED LANDSCAPE PLAN
1/8" = 1'-0"

N



A EXISTING/DEMO LANDSCAPE PLAN
1/8" = 1'-0"

N

ISSUE
FOR
PERMIT

OWNER RELEASE: I HAVE REVIEWED THESE DRAWINGS FOR DESIGN INTENT AND HEREBY CERTIFY THAT THEY CONFORM IN ALL RESPECTS TO MY DESIGN CRITERIA AND ARE APPROVED.

BY:_____ DATE:_____

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DO NOT SCALE DRAWINGS

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NO	DATE	DESCRIPTION
	04.25.25	ISSUE FOR PERMIT

STATE OF MISSOURI
WILLIAM D. WARNER
NUMBER
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LANDSCAPE PLAN

JOB NO: ANCHO - SUMMIT FAIR
DATE: 04.25.2025
SHEET NO: L-3

LANDLORD'S INSTRUCTIONS

PURPOSE:

THE FOLLOWING IS A LIST OF SOME OF THE LANDLORD'S INSTRUCTIONS TO GENERAL CONTRACTORS AND HIS/HER SUBCONTRACTORS. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO OBTAIN LANDLORD'S

- 'SUMMIT FAIR' CONTRACTOR RULES AND REGULATIONS

COMPLETE REQUIREMENTS AND RESPONSIBILITIES AND TO MAKE SURE THAT THE LANDLORD'S POLICIES ARE MET.

ROOF PENETRATIONS:

INSTRUCT ALL SUB-CONTRACTORS THAT ANYTHING THAT NEEDS TO BE ATTACHED ABOVE THE CEILING SHOULD BE ATTACHED TO THE ROOF STRUCTURE, NOT THE DECKING. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL DETAILS AND SPECIFICATIONS.

STRUCTURAL ELEMENTS:

DO NOT MAKE ANY CUTS TO ANY OF THE BUILDING ELEMENTS WITHOUT VERIFYING WHETHER OR NOT IT IS A STRUCTURAL ELEMENT. THIS INCLUDES ROOF BEAMS, ROOF DECK, MASONRY WALLS AND THE CONCRETE SLAB.
IF YOU HAVE ANY QUESTIONS REGARDING THE ABOVE INFORMATION, PLEASE CONTACT THE LANDLORD. LANDLORD CONTACT INFORMATION IS FOUND ON CONSTRUCTION WORK LETTER.

FIRE SYSTEM MONITORING:

VERIFY IF THE LANDLORD IS MONITORING THE FLOW AND TAMPER SWITCHES FOR THE SHELL BUILDING. IF THE SYSTEM IS OPERATIONAL, YOU MUST CONTACT THE LANDLORD PRIOR TO MAKING ANY MODIFICATIONS TO THE SYSTEM.
ANY FINES CHARGED BY THE FIRE DEPARTMENT FOR FALSE ALARMS WILL BE CHARGED BACK TO THE TENANT'S GENERAL CONTRACTOR.
ALL FIRE ALARM MONITORING DEVICES TO BE CONNECTED TO LANDLORD FIRE ALARM SYSTEM. G.C. TO INSTALL/MODIFY EXISTING FIRE ALARM SYSTEM AS NECESSARY PER LOCAL CODES. COORDINATE W/ LICENSED FIRE ALARM CONTRACTOR.

ADDITIONAL LANDLORD INSTRUCTIONS:

- ANY ROOF PENETRATIONS NEED TO BE COORDINATED WITH LANDLORD'S ROOFING COMPANY: SCHEFERS ROOFING COMPANY, LANCE SCHEFERS lance@schefersroofing.com or BRIAN GEDWILLO,briang@schefersroofing.com (816) 847-1002 (OFFICE)

· GENERAL CONTRACTOR AND HIS SUBS SHALL FIELD VERIFY LEASE SPACE FOR CONDITIONS AND THAT SPACE CONFORMS TO APPROVED LEASE OUTLINE DIAGRAM AS APPROVED WITH LEASE.
· GENERAL CONTRACTOR AND HIS SUBS SHALL LOCATE ANY ROOF TOP VENTS A MIN. 10' AWAY FROM ANY ADJACENT ROOFTOP UNITS.
· GENERAL CONTRACTOR AND HIS SUBS SHALL INSTALL WATER SHUT OFF VALVE AT EYE LEVEL AND BE INDICATED AS SUCH WITH A PROFESSIONAL CREATED SIGN. SHUT OFF VALVE SHALL NOT BE INSTALLED AT A HEIGHT THAT WOULD REQUIRE A LADDER TO ACCESS.

ARCHITECT'S INSTRUCTIONS

SUBMITTALS:
IF ALTERNATE EQUIPMENT IS PROPOSED DUE TO LEAD TIME, THE ARCHITECT OR ENGINEER MAY REQUEST PAYMENT FROM G.C. FOR REVIEW OF THE SUBMITTAL.
GENERAL CONTRACTOR MUST VERIFY LONG LEAD ITEMS AT START OF PROJECT TO AVOID DELAYS & ALTERNATES.

SPECIAL INSPECTIONS (IF REQUIRED)

1. SPECIAL INSPECTIONS SHALL BE REQUIRED FOR THE FOLLOWING: CONCRETE, BOLT IN CONCRETE, REINFORCING STEEL, WELDING, SPECIAL GRADING, EXCAVATION & FILLING, & STUCCO SYSTEMS. SPECIAL INSPECTIONS OF SPECIFIC ITEMS ARE TO BE PROVIDED ONLY IF REQUIRED BY LOCAL CODE OR CITY INSPECTORS. SPECIAL INSPECTIONS ARE IN ADDITION TO ALL STANDARD BUILDING INSPECTIONS REQUIRED & ARE NOT A SUBSTITUTE FOR INSPECTION BY A CITY INSPECTOR. ALL WORK REQUIRING SPECIAL INSPECTION WHICH IS INSTALLED OR COVERED WITHOUT THE APPROVAL OF THE CITY INSPECTOR IS SUBJECT TO REMOVAL AT THE CONTRACTORS EXPENSE.

2. CONTINUOUS INSPECTION IS REQUIRED DURING THE PERFORMANCE OF THE WORK UNLESS OTHERWISE SPECIFIED ON THE APPROVED PLANS.

3. SPECIAL INSPECTORS MUST BE CERTIFIED BY LOCAL JURISDICTION TO PERFORM THE TYPES OF INSPECTIONS REQUIRED.

4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM THE SPECIAL INSPECTOR OR INSPECTION AGENCY AT LEAST ONE WORKING DAY PRIOR TO PERFORMING ANY WORK THAT REQUIRES SPECIAL INSPECTION.

5. LICENSED FABRICATOR REQUIRED FOR STEEL SHAPES.

6. WELDING TO BE DONE BY WELDERS CERTIFIED BY LOCAL JURISDICTION (STRUCTURAL STEEL, REINFORCING STEEL & LIGHT GAUGE STEEL.)

GENERAL INSTRUCTIONS

TYPE I HOOD FIRE EXTINGUISHING SYSTEM

THE VENT HOOD SYSTEM SHALL COMPLY WITH NFPA 96 & SHALL BE EQUIPPED WITH A FIRE EXTINGUISHING SYSTEM. THE FUEL SUPPLY TO ALL COOKING EQUIPMENT UNDER THE VENT HOOD SHALL SHUT OFF UPON ACTIVATION OF THE FIRE EXTINGUISHING SYSTEM. THE VENT HOOD FIRE EXTINGUISHING SYSTEM SHALL BE CONNECTED TO THE BUILDING FIRE ALARM SYSTEM IF PROVIDED. ALL ELECTRICAL OUTLETS UNDER THE HOOD SHALL DE-ACTIVATE UPON ACTIVATION OF THE FIRE EXTINGUISHING SYSTEM.

1. APPROVED AUTOMATIC FIRE-EXTINGUISHING SYSTEMS SHALL BE PROVIDED FOR THE PROTECTION OF COMMERCIAL-TYPE COOKING EQUIPMENT. SEPARATE COMPLETE PLANS FOR THESE SYSTEMS SHALL BE SUBMITTED TO FIRE AND LIFE SAFETY FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION. (CFC 904.2.1, CFC 609.2)

2. FIRE EXTINGUISHERS PROVIDED FOR THE PROTECTION OF COOKING GREASE FIRES SHALL BE OF AN APPROVED TYPE COMPATIBLE WITH THE AUTOMATIC FIRE EXTINGUISHING SYSTEM AGENT IN ACCORDANCE WITH SECTION 904.11.5 WITHIN 30 FEET OF COMMERCIAL COOKING EQUIPMENT (CFC 906.1, 906.4).

G.C. COMPLIANCE

GENERAL CONTRACTOR SHALL VISIT THE PREMISES AND VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF CONSTRUCTION AND SHALL REPORT ALL DISCREPANCIES TO TENANT'S ARCHITECT. GENERAL CONTRACTOR SHALL CONFORM TO ALL REQUIREMENTS REGARDING CONSTRUCTION PROCEDURES, INSURANCE, ETC., AS SET FORTH BY THE LANDLORD. GC TO VERIFY THE EXACT LOCATION OF ALL EXISTING LANDLORD FEATURES I.E. METAL BRACE FRAME, STOREFRONT OPENINGS, CORRIDOR ACCESS DOOR, DEMISING WALLS, UTILITY P.O.C., ETC.

SIGNAGE

TENANT'S SIGNAGE CONTRACTOR SHALL PREPARE SIGNAGE SHOP DRAWINGS AND SUBMIT TO BUILDING DEPT. & LANDLORD FOR APPROVAL. ALL SIGNAGE IS UNDER SEPARATE PERMIT.

FIRE SPRINKLERS

1. AN AUTOMATIC FIRE SPRINKLER SYSTEM EXISTS WITHIN THE SPACE. THE GENERAL CONTRACTOR SHALL EMPLOY THE SERVICES OF THE LANDLORD'S, OR ANOTHER LICENSED FIRE SPRINKLER CONTRACTOR TO DESIGN AND INSTALL ANY MODIFICATIONS TO THE EXISTING SYSTEM AND TO CONFORM WITH THE NEW ROOM AND CEILING HEIGHTS AS SHOWN IN THESE DRAWINGS. THE SPRINKLER CONTRACTOR SHALL DESIGN AND PREPARE SHOP DRAWINGS FOR THE PROPOSED SYSTEM MODIFICATIONS & SUBMIT THESE DRAWINGS TO THE BLDG./FIRE DEPT. & THE ARCHITECT TO GAIN APPROVALS PRIOR TO COMMENCING ANY WORK. PUBLIC AREA HEADS TO BE CONCEALED TYPE W/ BLACK COVERS AT DARK CEILINGS, WHITE AT LIGHT CEILINGS & CHROME IN TOILETS. HEADS IN NON-PUBLIC AREAS ARE TO BE SEMI-RECESSED. INSTALLATION IS TO INCLUDE ALL SITE WORK.

2. COMPLETE PLANS AND SPECIFICATIONS FOR FIRE-EXTINGUISHING SYSTEMS, INCLUDING AUTOMATIC SPRINKLERS AND WET AND DRY STANDPIPES; HALON SYSTEMS AND OTHER SPECIAL TYPES OF AUTOMATIC FIRE-EXTINGUISHING SYSTEMS; BASEMENT PIPE INLETS; AND OTHER FIRE PROTECTION SYSTEMS AND APPURTENANCES THERETO SHALL BE SUBMITTED TO FIRE AND LIFE SAFETY FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.

3. LANDLORD (BUILDING OWNER) FIRE SUPPRESSION SYSTEM VENDOR IS: ABSOLUTE FIRE, contact: DOUG MASON #816/737-9991 sprinklerduo@sbcglobal.net TO BE NOTIFIED PRIOR TO ANY WORK PERFORMED WITHIN TENANT SPACE.

4. FIRE EXTINGUISHING SYSTEM SHALL BE IN ACCORDANCE WITH CFC SECTION 903.

FIRE ALARM

1. EXISTING FIRE PANEL TO REMAIN. FIRE CONTRACTOR TO TIE INTO BUILDING SYSTEM OR PROVIDE NEW SYSTEM AS REQ'D BY LOCAL JURISDICTION. F.C. TO PROVIDE DRAWINGS AND SPECIFICATIONS FOR CITY/VILLAGE APPROVAL.

2. LANDLORD REQUIRES TENANT RETAIN THE BASE BUILDING FIRE ALARM SUB-CONTRACTOR FOR CONNECTION(S) TO LANDLORD INSTALLED EQUIPMENT AND FOR INSTALLATION AND TESTING OF TENANT'S FIRE ALARM WORK.

3. LANDLORD (BUILDING OWNER) FIRE ALARM VENDOR IS: KANSAS CITY FIRE & SECURITY, LLC contact: KARI QUINLAN kquinlan@marmicfire.com or CORBY FISHER cfisher@marmicfire.com TO BE NOTIFIED PRIOR TO ANY WORK PERFORMED WITHIN TENANT SPACE.

BID NOTES

1. BID FORMS TO BE PROVIDED BY CLIENT TO G.C.

2. ALL ITEMS NOTED AS (N.I.C.) TO BE BID SEPARATELY FROM THE BASE BID.

3. G.C. RESPONSIBLE FOR COORD. W/ ALL UTILITY CO. INCLUDING BUT NOT LIMITED TO: ELECTRICAL, WATER, WASTE, STORM, PHONE/DATA TO PROVIDE SERVICES AS CALLED FOR ON THE DRAWING. LOAD LETTERS & SERVICE APPLICATIONS TO BE COMPLETED & SUBMITTED BY G.C.

4. SPRINKLER SYSTEM; G.C. TO PROVIDE SPRINKLER SYSTEM DESIGN & PERMIT. SEE FIRE DEPT. NOTES
5. FIRE ALARM SYSTEM: G.C. TO PROVIDE FIRE SYSTEM DESIGN & PERMIT. SEE FIRE DEPT. NOTES

SPRINKLER NOTES

1. MODIFY EXISTING SPRINKLER SYSTEM FOR NEW TENANT CEILING LAYOUT, OUTDOOR COVERED PATIO, AND OCCUPANCY REQUIREMENTS. PROVIDE SPRINKLER SYSTEM DESIGN & PERMIT. PROVIDE SHOP DRAWINGS TO ARCHITECT FOR APPROVAL.

ACCESSIBILITY NOTES

REFER TO SHEET #A1.2 FOR ACCESSIBILITY NOTES AND DIAGRAMS.

REFER TO SHEET #A8.1 AND A8.3 FOR TOILET ROOM ACCESSIBILITY INFORMATION.

GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY TYPE OF SOILS. IF CORROSIVE SOILS ARE ENCOUNTERED, TAKE NECESSARY PRECAUTIONS FOR ALL UNDERGROUND WORK.

2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON DRAWINGS FOR CONFLICTS PRIOR TO CONSTRUCTION. THE CONTRACTOR WILL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. DO NOT SCALE DRAWINGS.

3. BIDDERS ARE INSTRUCTED TO CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS & SITE.

4. NO STRUCTURE OF ANY KIND TO BE CONSTRUCTED ON, OVER OR PLACED WITHIN THE PUBLIC UTILITY EASEMENTS EXCEPT WOOD, WIRE OR REMOVABLE SECTION TYPE FENCING AND/OR PAVING.

5. CONTRACTOR TO COORDINATE STAGING AREAS AS REQUIRED WITH LANDLORD AND OWNER/TENANT.

6. ANY DAMAGE BY G.C. OR SUBCONTRACTOR TO EXISTING ASPHALT OR CONCRETE PAVEMENT AND/OR EXISTING LANDSCAPING OUTSIDE OF CONSTRUCTION LIMIT LINE SHALL BE REPAIRED AT NO COST TO OWNER.

7. SIDEWALK ELEVATIONS TO BE COORDINATED WITH SITE AS-BUILT CONDITIONS. ARCHITECT TO BE NOTIFIED OF ANY DISCREPANCIES.

8. G.C. TO COORDINATE LOCATION & PLACEMENT OF GREASE REMOVAL SYSTEM WITH PLUMBING CONTRACTOR. FIELD VERIFY ANY (E) SITE CONDITIONS THAT MAY IMPEDE INSTALLATION AND/OR OPERATION OF SUCH.

9. APPROVED NUMBERS OR ADDRESSES SHALL BE MAINTAINED & AS CURRENTLY PLACED ON BUILDING.

10. NO MATERIALS SHALL BE STORED ON PUBLIC PROPERTY UNLESS AN ENCROACHMENT PERMIT IS FIRST OBTAINED FROM THE CITY OF OMAHA PUBLIC WORKS DEPARTMENT.

11. ALL DIMENSIONS ARE TO FACE OF GYPSUM BOARD AT FRAMED WALLS & SOFFITS, TYPICAL UNLESS OTHERWISE NOTED. AT MILLWORK LOW WALLS, DIMENSIONS ARE TO FACE OF FINISHED WALL, TYPICAL.

12. CONTRACTOR SHALL PROVIDE CONSTRUCTION FENCE FOR PEDESTRIAN PROTECTION ACCORDING TO MALL OWNER, LOCAL REGULATIONS & BUILDING CODE.

13. TEMPORARY TOILET FACILITIES SHALL BE PROVIDED BY G.C.

14. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE SECURITY & SAFETY OF THE SITE WHILE THE JOB IS IN PROGRESS & UNTIL THE JOB IS COMPLETE.

15. CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO ENSURE THE SAFETY OF THE OCCUPANTS & WORKERS AT ALL TIMES.

16. ALL DEBRIS SHALL BE REMOVED FROM THE PREMISES DAILY & WORK AREAS SHALL BE LEFT IN A CLEAN (BROOM) CONDITION AT ALL TIMES.

17. CONTRACTOR SHALL PROVIDE A LIST OF SUBCONTRACTORS TO THE OWNER AND TENANT PRIOR TO START OF THE PROJECT.

18. CONTRACTOR SHALL COMPLY WITH ALL STATE & LOCAL RULES & REGULATIONS CONCERNING LICENSING WHICH THE APPLICABLE GOVERNING AUTHORITY MAY HAVE ADOPTED.

19. ALL WEATHER-EXPOSED SURFACES SHALL HAVE A WEATHER-RESISTIVE BARRIER TO PROTECT THE INTERIOR WALL COVERING. EXTERIOR OPENINGS SHALL BE FLASHED IN SUCH A MANNER AS TO MAKE THEM WATERPROOF.

20. GENERAL CONTRACTOR SHALL PLACE ORDERS FOR ALL FINISHES, ALL MATERIALS, EQUIPMENT; ETC. AT THE START OF THE PROJECT. SUBSTITUTIONS ARE NOT ACCEPTED FOR ANY ITEMS, UNLESS NOTED OTHERWISE. OWNER & ARCHITECT MUST BE INFORMED OF LEAD TIME PROBLEMS WITHIN THE FIRST TWO WEEKS OF THE PROJECT.

21. PROVIDE VENTILATION FOR KITCHEN & FOOD PREPARATION ARE AS PER MECHANICAL AND KITCHEN DRAWINGS.

22. SIGNS ARE REQUIRED FOR ALL MP&E ROOMS & SPRINKLER CONTROL VALVE ROOMS.

23. PRIOR TO THE ISSUANCE OF A BUILDING PERMIT, THE APPLICANT SHALL HAVE EVIDENCE OF CURRENT WORKMAN'S COMPENSATION INSURANCE COVERAGE ON FILE WITH THE DEPARTMENT IN COMPLIANCE WITH THE LOCAL LABOR CODE.

24. AFTER OBTAINING BUILDING PERMIT AND BEFORE COMMENCING WITH THE WORK, THE GENERAL CONTRACTOR SHALL SHOW EVIDENCE OF ALL THE INSURANCE REQUIREMENTS.

25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND OBTAIN ALL PERMITS AND LICENSES AND PAY REQUIRED FEES.

26. CONTRACTOR SHALL BE FAMILIAR WITH ALL LANDLORD REQUIREMENTS AND SHALL BE RESPONSIBLE FOR COMPLIANCE WITH SAME. CONTRACTOR SHALL INVESTIGATE LOCAL CODES AND PROCEDURES AND SHALL COMPLY WITH ALL REQUIREMENTS.

27. A COPY OF LANDLORD'S FINAL APPROVED PLANS MUST BE ON SITE DURING CONSTRUCTION.

28. REMOVE ALL ABANDONED IMPROVEMENTS, INCLUDING ELECTRICAL AND MECHANICAL, IF ANY.

29. INSPECT SITE: VERIFY FIELD DIMENSIONS BEFORE COMMENCING CONSTRUCTION. NOTIFY TENANT AND LANDLORD IMMEDIATELY IF THERE ARE ANY SIGNIFICANT DISCREPANCIES.

30. WHERE FACTORY FINISHED OR FACTORY PRIMED ITEMS OCCUR, SUCH AS GRILLES, DIFFUSERS, METAL TRIM AND ACCESSORIES, ETC. THEY SHALL BE PAINTED TO MATCH THE ADJACENT SURFACE AND AS DIRECTED BY THE OWNER.

31. CONTRACTOR SHALL, IN THE WORK OF ALL TRADES, PERFORM ANY AND ALL CUTTING, PATCHING, REPAIRING, RESTORING AND THE LIKE NECESSARY TO COMPLETE THE WORK AND TO RESTORE ANY DAMAGED OR AFFECTED SURFACES RESULTING FROM THE WORK OF THIS CONTRACT TO THEIR ORIGINAL CONDITION TO THE SATISFACTION OF THE OWNER.

32. THERE SHALL BE NO EXPOSED PIPE, CONDUITS, ETC. IN PUBLIC AREAS, U.N.O. ALL SUCH LINES SHALL BE CONCEALED OR FURRED AND FINISHED.

33. GENERAL CONTRACTOR SHALL COORDINATE WORK PERFORMED BY OTHER CONTRACTORS. DISCREPANCIES IF ANY, SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR RESOLUTION BEFORE PROCEEDING WITH THE WORK.

GENERAL NOTES - CONT.

34. SHOULD THE DRAWINGS DISAGREE WITH THEMSELVES OR WITH THE SPECIFICATIONS OR SHOULD THE SPECIFICATIONS DISAGREE WITH THEMSELVES, THE BETTER QUALITY AND/OR GREATER QUANTITY OF WORK OR MATERIAL SHALL BE ESTIMATED UPON AND UNLESS OTHERWISE ORDERED IN WRITING SHALL BE FURNISHED AND INSTALLED.

35. NO SUBSTITUTIONS ARE PERMITTED UNLESS PRIOR APPROVAL BY THE OWNER.

36. IF ANY DISCREPANCIES APPEAR IN CONTRACT DOCUMENTS, CONTRACTOR SHALL NOTIFY ARCHITECT IN WRITING OF SUCH DISCREPANCIES PRIOR TO BID.

37. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE TIMELY ARRIVAL OF ALL SPECIFIED FINISH MATERIALS EQUIPMENT, LIGHT FIXTURES AND ANY OTHER SUCH MATERIAL (S) TO BE UTILIZED ON THE PROJECT. THE GENERAL CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING WITHIN 10 DAYS OF THE DATE OF CONTRACT OF THOSE SPECIFIED ITEMS THAT MAY NOT BE READILY AVAILABLE. IF NOTIFICATION IS NOT RECEIVED BY THE OWNER THE CONTRACTOR ACCEPTS RESPONSIBILITY FOR THE PROPER ORDERING AND FOLLOW-UP OF SPECIFIED ITEMS AND WILL PURSUE WHATEVER MEANS NECESSARY AT NO ADDITIONAL COST TO THE OWNER, INSURE AVAILABILITY OF ALL SPECIFIED ITEMS SO AS NOT TO CREATE A HARDSHIP ON THE OWNER AND NOT DELAY PROGRESS OF THE WORK. NO EXTENSION OF TIME TO THE CONTRACT WILL BE ALLOWED.

38. MECHANICAL CONTRACTORS SHALL VERIFY EXACT DIMENSIONS WITH EQUIPMENT MANUFACTURERS. MECHANICAL CONTRACTOR SHALL VERIFY ALL SIZES AND LOCATIONS OF DUCT OPENINGS BEFORE INSTALLATION AND VERIFY DISCREPANCIES, IF ANY.

39. ALL EXTERIOR WALL OPENINGS, FLASHING, COUNTER FLASHING, COPING AND EXPANSION JOINTS SHALL BE WEATHERPROOF.

40. CAULKING AND SEALANTS: ALL OPEN JOINTS PENETRATIONS AND OTHER OPENINGS IN THE BUILDING ENVELOPE SHALL BE SEALED, CAULKED, GASKETED, OR WEATHER STRIPPED TO LIMIT AIR AND WATER LEAKAGE.

41. USE ACOUSTICAL SEALANT AROUND ALL PIPES, DUCTS CONDUITS, OUTLETS, SWITCHES, ETC. ON BOTH SIDES OF CROSSING/PENETRATING WALLS WITH THERMAL AND ACOUSTIC INSULATION.

42. ALL NOISE BARRIER BATTS (SOUND INSULATION) SHALL BE NON-COMBUSTIBLE.

43. EACH CONTRACTOR SHALL LEAVE THE SITE IN A NEAT, CLEAN AND ORDERLY CONDITION ON A DAILY BASIS AND UPON CONCLUSION OF HIS WORK. ALL WASTE, RUBBISH AND EXCESS MATERIALS SHALL BE REMOVED FROM THE SITE PROMPTLY. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL TRASH GENERATED BY OWNERS CONTRACTORS FOR THE DURATION OF THE PROJECT.

44. SAFETY: ALL CONDUIT, WORK EQUIPMENT AND MATERIALS SHALL BE IN FULL ACCORDANCE WITH THE LATEST SAFETY RULES AND REGULATIONS OF ALL AUTHORITIES AND AGENCIES HAVING JURISDICTION OVER THE WORK.

45. CONSULT PROPERTY UTILITY PLANS BEFORE SAW CUTTING CONCRETE SLAB, IF ANY.

46. THE ARCHITECT WILL NEITHER HAVE CONTROL OVER OR CHARGE OF, NOR BE RESPONSIBLE FOR, THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR THE SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, SINCE THESE ARE SOLELY THE CONTRACTOR'S RIGHTS AND RESPONSIBILITIES.

FIRE DEPARTMENT NOTES

1. CONTRACTOR TO PROVIDE A SUFFICIENT NUMBER OF 2A 10BC RATED FIRE EXTINGUISHERS DURING CONSTRUCTION SO THAT ALL PORTIONS OF THE BUILDING ARE WITHIN 75 FT. TRAVEL DISTANCE OF SAID EXTINGUISHER & SO THAT AT LEAST ONE 2A10BC RATED FIRE EXTINGUISHER IS PROVIDED FOR EACH 3,000 SQ. FT. OF FLOOR SPACE OR PORTION THEREOF.

2. PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 40-B FOR KITCHEN. LOCATE EXTINGUISHERS PER LOCAL FIRE DEPARTMENT INSPECTOR.

3. PROVIDE FIRE EXTINGUISHERS AS REQUIRED BY FIRE DEPARTMENT FIELD INSPECTOR DURING CONSTRUCTION & FOR COMPLETED PROJECT.

4. ALL EXIT DOORS SHALL SWING IN THE DIRECTION OF TRAVEL.

5. ALL EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT SPECIAL KNOWLEDGE OR EFFORT (NO DEAD BOLTS, NO SLIDING BOLTS, ETC.).

6. AN OCCUPANT LOAD SIGN SHALL BE POSTED IN EACH ASSEMBLY ROOM HAVING AN OCCUPANT CONTENT OF 50 OR MORE. SIGN IS TO BE POSTED NEAR ENTRANCE, COORDINATE LOCATION OF SUCH SIGN WITH FIRE MARSHAL. SIGN TO BE PROVIDED & INSTALLED BY OWNER VENDOR.

7. MAINTAIN MIN. 44" AISLES TO EXIT OR PUBLIC WAY.

8. PROVIDE EXIT SIGNS ABOVE EXITS WITH MIN. 3/4"x6" LETTERS LIGHTED ON CONTRASTING BACKGROUND.

9. EXIT SIGNS MUST BE INTERNALLY ILLUMINATED.

10. PROVIDE TWO (2) SEPARATE POWER SUPPLIES FOR EXIT SIGNS CONFORMING TO CODE SECTION.

11. PROVIDE EMERGENCY EXIT LIGHTING PROVIDING A VALUE OF ONE FOOT CANDLE AT FLOOR LEVEL.

12. ADDITIONAL EXIT SIGNS WILL BE PROVIDED AS/IF DIRECTED BY THE CITY INSPECTOR.

13. SEE "ROOM FINISH SCHEDULE" FOR SMOKE DENSITY RATING & FLAME SPREAD RATING OF MATERIALS USED.

14. INTERIOR WALL & CEILING FINISHES FOR ASSEMBLY AREAS SHALL NOT EXCEED AN END POINT FLAME SPREAD RATING OF 20.

15. ANY DECORATIONS USED SHALL BE NON-COMBUSTIBLE OR FLAME PROOFED IN AN APPROVED MANNER.

16. FINISHES SHALL NOT EXCEED CLASS A, B OR C AS INDICATED IN THE BUILDING CODE.

17. PROVIDE OUTSIDE GAS SHUT - OFF VALVE CONSPICUOUSLY MARKED.

FIRE DEPARTMENT NOTES - CONT.

18. PROVIDE A KNOX BOX FOR FIRE DEPT. ACCESS & KEY ACCESS, LOCATION AS DETERMINED BY FIRE MARSHAL.

19. EXIT SIGNAGE SHALL BE PROVIDED & MAINTAINED FOR CORRIDORS & AISLE WAYS LEADING TO EXITS IN ACCORDANCE WITH STATE CODE. SIGNAGE SHALL STATE: "OBSTRUCTIONS, INCLUDING STORAGE, SHALL NOT BE PLACED IN THE REQUIRED WIDTH OF AN EXIT OR EXIT PASSAGEWAY."

20. GENERAL CONTRACTOR SHALL SECURE PERMITS REQUIRED BY THE FIRE DEPARTMENT FROM THE FIRE DEPARTMENT PRIOR TO OCCUPYING THIS BUILDING.

21. FIRE DEPARTMENT FINAL INSPECTION REQUIRED. G.C. TO VERIFY INSPECTION SCHEDULING REQUIREMENTS AT LEAST 14 DAYS PRIOR TO COMPLETION OF WORK.

22. STORAGE, DISPENSING OR USE OF ANY FLAMMABLE & COMBUSTIBLE LIQUIDS, FLAMMABLE & COMPRESSED GASES & OTHER HAZARDOUS MATERIALS SHALL COMPLY WITH STATE BUILDING CODE REGULATIONS.

23. ANY TYPE I HOOD INSTALLATION & SHAFT CONSTRUCTION MUST COMPLY WITH THE STATE & MECH CODE.

24. WHEN ALLOWED BY FIRE MARSHAL AND/OR BUILDING INSPECTOR, FIRE BLOCKS CAN BE SUBSTITUTED WITH APPROVED FIRE SPRINKLER SYSTEM.

25. IN ADDITION TO THE SPRINKLER MONITORING SYSTEM, A FIRE SYSTEM PER NFPA #13 SPECIFICATIONS MUST BE INSTALLED. PLANS FOR THE FIRE ALARM MUST BE SUBMITTED TO THE BUILDING DEPARTMENT FOR FIRE DEPARTMENT REVIEW PRIOR TO INSTALLATION. THE KITCHEN HOOD FIRE PROTECTION SYSTEM WILL CAUSE INITIATION OF AN ALARM SIGNAL.

26. ALL EXIT DOORS & INTERVENING DOORS ON THE EXIT PATH, IF PROVIDED WITH A LOCK OR LATCH, MUST BE PROVIDED WITH PANIC HARDWARE.

27. PLANS FOR THE KITCHEN HOOD FIRE PROTECTION SYSTEM MUST BE SUBMITTED TO THE BUILDING DEPARTMENT FOR REVIEW BY THE FIRE DEPARTMENT PRIOR TO INSTALLATION.

28. THE FIRE SPRINKLER SYSTEM DESIGN CRITERIA IS AS SET FORTH BY THE FIRE MARSHAL.

29. PREMISES IDENTIFICATION TO BE LEGIBLE FROM STREET OR DRIVE & MUST BE ON ALL PLANS.

30. BACK FLOW PREVENTION WILL BE REQUIRED ON VERTICAL RISER ON CLASS I & II FIRE SPRINKLER SYSTEM PER LOCAL JURISDICTION CODE.

31. EXIT & EMERGENCY LIGHTING SHALL COMPLY WITH THE VILLAGE ORDINANCE & 2021 IFC.

32. FIRELINE, SPRINKLER & STANDPIPE SYSTEM TO BE FLUSHED & PRESSURE TESTED PER NFPA STANDARDS & LOCAL JURISDICTION CODES.

33. FDC SIAMESE CONNECTIONS FOR SPRINKLERS AND/OR STANDPIPES WILL BE LOCATED PER ORDINANCE OR AT AN APPROVED LOCATION MIN. SIZE 2 1/2" X 2 1/2" X 4" (NHST) BUILDING MOUTED.

34. SPRINKLER SYSTEM SHALL BE INSTALLED TO COMPLY WITH MINIMUM NFPA CRITERIA & VILLAGE ORDINANCE. SYSTEMS WITH 20 HEADS OR MORE SHALL HAVE OFF-SITE MONITORING. AFTER BUILDING PLAN REVIEW, INSTALLING CONTRACTOR SHALL SUBMIT (3) COMPLETE SETS OF DRAWINGS & HYDRAULIC CALCULATIONS.

35. REVIEWED BY MINIMUM NICET III DESIGN TECHNICIAN. NFPA COMMERCIAL SYSTEM / DESIGN CRITERIA : ORD. GR. II - 0.20/1500 (1996 EDITION) - PE STAMP REQUIRED.

36. CONSTRUCTION WITHIN LOCAL JURISDICTION SHALL COMPLY WITH THE APPLICABLE FIRE CODE STANDARDS, AS AMENDED BY THE COUNTY CONSTRUCTION ORDINANCE, SUBTITLE 11.

37. THE APPLICANT IS RESPONSIBLE TO IDENTIFY & COORDINATE DEFERRED SUBMITTALS.

38. THE FIRE SPRINKLER RISER SHALL BE LOCATED INSIDE BUILDING WITH DIRECT EXTERIOR ACCESS. ALL OCCUPANCIES ARE REQUIRED TO PROVIDE EXTERIOR ACCESS TO A FIRE RISER ROOM DESIGNED FOR THE FIRE SYSTEMS ONLY.

39. FIRE DEPARTMENT INLET CONNECTIONS (FDC) SHALL BE LOCATED ON THE WALL OF THE ADDRESS SIDE OR NATURAL APPROACH OF THE BUILDING IT SERVES & SHALL IDENTIFY THE BUILDING(S) SERVED WITH PERMANENT SIGNAGE.

40. ALL VALVES CONTROLLING THE WATER SUPPLY FOR AUTOMATIC SPRINKLER SYSTEMS & WATER-FLOW SWITCHES ON ALL SPRINKLER SYSTEMS SHALL BE ELECTRICALLY MONITORED WHERE THE NUMBER OF SPRINKLER HEADS EXCEEDS 19. IBC SECTION 903.4.

41. IN ADDITION TO THE EXTERIOR BELL OR HORN, AN APPROVED AUDIBLE/VISUAL FIRE SPRINKLER FLOW ALARM SHALL BE PROVIDED IN THE INTERIOR OF ALL BUILDINGS IN A NORMALLY OCCUPIED LOCATION. THE A/V DEVICE SHALL BE A MINIMUM OF 75 CD LUMENS & 15 DB ABOVE THE AMBIENT SOUND LEVEL. IFC SECTION 907.10 & ADAAG SECTION 4.28.

42. PLANS & SPECIFICATIONS FOR FIRE SPRINKLER SYSTEMS EXCEEDING 19 HEADS SUBMITTED FOR REVIEW SHALL BE SEALED BY A QUALIFIED LOCAL JURISDICTION REGISTRANT IN FIRE SPRINKLER DESIGN. THE INSTALLING CONTRACTOR'S NAME, ADDRESS & PHONE NUMBER ARE TO BE INCLUDED ON THE DRAWINGS & CALCULATIONS SUBMITTED FOR REVIEW & APPROVAL. AS-BUILT DRAWINGS WILL BE REQUIRED WHERE FIELD CHANGES ARE MADE TO THE DESIGNED DRAWINGS.

43. FIRE SPRINKLERS SHALL BE INSTALLED IN ALL CONCEALED SPACES ENCLOSED WHOLLY OR PARTLY BY EXPOSED COMBUSTIBLE CONSTRUCTION.

44. AN APPROVED KEY BOX IS REQUIRED ON ALL COMMERCIAL STRUCTURES THAT CONTAIN OFF SITE MONITORED FIRE SPRINKLERS, A FIRE ALARM SYSTEM OR WHEN ACCESS IS DIFFICULT & WHERE IMMEDIATE ACCESS IS REQUIRED FOR LIFE SAVING OR FIREFIGHTING.

45. PLANS & SPECIFICATIONS FOR FIRE ALARM SYSTEMS, AUTOMATIC FIRE-EXTINGUISHING SYSTEMS, STANDPIPES & THEIR APPURTENANCES SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT FOR REVIEW & APPROVAL PRIOR TO INSTALLATION.

GENERAL FIRE ALARM SYSTEM NOTES

1. PLANS AND SPECIFICATIONS FOR FIRE ALARM SYSTEMS SUBMITTED FOR REVIEW SHALL BE SEALED BY A QUALIFIED LOCAL JURISDICTION REGISTRANT IN FIRE ALARM SYSTEM DESIGN.

2. ALARM INITIATING DEVICES, ALARM SIGNALING DEVICES, AND OTHER FIRE ALARM SYSTEM COMPONENTS SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH IFC SECTION 907.

3. WHEN DUCT DETECTORS, REQUIRED BY IMC 606 OR IFC AND IBC SECTION 909, ARE CONCEALED FROM VIEW OR INSTALLED MORE THAN 10 FEET ABOVE FINISHED FLOOR OR IN ARRANGEMENTS WHERE THE DETECTOR'S ALARM INDICATOR IS NOT READILY VISIBLE TO RESPONDING PERSONNEL, AN LED SHALL BE PROVIDED THROUGH THE CEILING LEVEL OR SIGHT OBSTRUCTION AT EACH DETECTOR. ALL DETECTION DEVICES PROVIDED SHALL BE MONITORED FOR INTEGRITY BY THE FIRE ALARM SYSTEM WHERE A FIRE ALARM IS INSTALLED.

ISSUE FOR PERMIT

OWNER RELEASE: I HAVE REVIEWED THESE DRAWINGS FOR DESIGN INTENT AND HEREBY CERTIFY THAT THEY CONFORM IN ALL RESPECTS TO MY DESIGN CRITERIA AND ARE APPROVED.

BY ____________________ DATE ____________

THESE DRAWINGS MAY HAVE BEEN REPRODUCED AT A SIZE DIFFERENTLY THAN ORIGINALLY DRAWN. OWNER AND ARCHITECT ASSUME NO RESPONSIBILITY FOR USE OF INCORRECT SCALE.

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH CONSTRUCTION AND NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR CONFLICTS.

NO	DATE	DESCRIPTION
1	04.25.25	ISSUE FOR PERMIT

NOTE:
1. REFER TO SHEET #A1.1 FOR ALL CODE DATA AND BUILDING ANALYSIS.

WILLIAM D. WARNER
NUMBER A-2025012951

DATE: 04/25/2025
EXP. DATE: 12/31/2025

ANCHO & AGAVE
SUMMIT FAIR SHOPPING CENTER
D-BUILDING
860-A NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086

CARR WARNER ARCHITECTS
ARCHITECTURE
INTERIORS
PLANNING

3711 N. RAVENSWOOD
SUITE #104
CHICAGO, ILLINOIS 60613
p 773•477•9009
f 773•477•6888
www.carrwarner.com

GENERAL REQUIREMENTS & GENERAL NOTES

JOB NO: ANCHO - SUMMIT FAIR
DATE: 04.25.2025
SHEET NO: G0.1

I. GENERAL CONDITIONS / INSTRUCTIONS FOR BIDDERS

1. GENERAL

a. The AIA document A201, 2017 edition of General conditions of contract for construction shall be made of and incorporated as part of the contract documents.

b. The contract documents shall consist of agreement between Owner and Contractor, conditions of contract, drawings, specifications, and addenda.

c. The A.I.A. "Instructions to Bidders" document A701 latest edition is to be used.

d. Performance Bond, A.I.A. A311 – latest edition, in the amount of 100% of contract amount to be delivered simultaneously w/ executed contract.

e. Contractor shall coordinate use of premises w/ owner, including but not limited to:
1. Storage
2. Staging
3. Parking
4. Refuse
5. Other req'd uses

f. All submittals to architect shall be submitted for his review in a timely manner with 5 copies of each item, including but not limited to:
1. Procedures
2. Schedules
3. Shop drawings
4. Product Data
5. Samples
6. Change Orders (3 copies)

g. All temporary utilities shall be the responsibility of general contractor and coordinated with owner's requirements.

h. At end of job, G.C. to submit complete contract close–out package, including but not limited to:
1. Final Cleaning
2. Affidavits A.I.A. G706, G706A, G707
3. Operation and Maintenance Data
4. Systems Demonstration
5. Guarantees and Warranties
6. As – Builts
7. Product Manual

i. General separation of work:

1. Terms
Owner/Landlord – Phillips Edison & Company
Landlord Entity – Naperville Crossings Station, LLC

Tenant/Owner – All In Hospitality
CEO – Todd Hovenden
By Tenant/Owner – Supplied by Owner, installed by General Contractor.

N.I.C. – Not in Contract – work not in general contractor's scope of work but provided and installed by separate contractor or vendor hired independently by Tenant/Owner. Coordination by General Contractor necessary.

2. CERTIFICATE OF INSURANCE

Contractors or any subcontractor may not commence any work until all required insurance has been obtained and certificates evidencing such coverage has been delivered to Landlord/Owner. Owner shall secure, pay for, and maintain insurance during the performance of owner's work within the premises the following; Landlord, its Partners, Parent Corporations, prime Lessor and their employees and agents as Additional Insured parties, and which shall provide in all policies that Landlord shall be given thirty (30) days prior written notice of any alteration or termination of coverage, in the minimum amounts as set forth below:

Workers' compensation and statuary limits, as required by the state where work is being performed and Employer's Liability with limits no less than $500,000 each accident or occupational disease.

Provide for additional insured including:
1) Owner; 2) Tenant; 3) Carr Warner Architects, Ltd.

Comprehensive General Liability including Premises Operations, Products and Completed Operations Liability, Independent Contractors Liability, Contractors Liability and Broad Form Property Damage Liability with limits no less than:

Bodily Injury and Property Damage Liability
Option 1:

$2,000,000 Each Occurrence
$2,000,000 General Aggregate
$2,000,000 Product & Completed Operations Aggregate
$3,000,000 Umbrella Each Occurrence/Aggregate

–or–

Option 2:

$1,000,000 Each Occurrence
$2,000,000 General Aggregate
$2,000,000 Product & Completed Operations Aggregate
$4,000,000 Umbrella Each Occurrence/Aggregate

Such insurance shall provide coverage for explosion, collapse, and underground exposures if applicable, and contractual liability coverage, and shall insure Tenant's Contractors and any Subcontractor against any and all claims for personal injury including death resulting therefrom, and damage to property of others, arising from operations under contracts whether such operations are performed by contractors or by any Subcontractor whose acts any of them may be liable.

Comprehensive Automobile Liability Insurance including the ownership, maintenance and operation of any automobile equipment owned, hired and non–owned including the loading and unloading thereof in the following minimum amounts:

Bodily Injury Liability and Property Damage Liability
$2,000,000 each accident

Umbrella Liability Insurance covering all operations of Contractor with no less than:

Bodily Injury and Property Damage Liability

(See Option 1 and Option 2 listed previously)

Builders' Risk Completed Value Form affording All Risks of Physical Loss or Damage on Tenant's Work in the Premises as it relates to the Building in which the Premises are located, naming the interests of Landlord and its agents and employees and Tenant's Contractors, as their respective interest may appear, within a radius of 100 feet of the Premises.

II. GENERAL NOTES

1. The following specifications are general in nature and allow Contractor to select manufacturers for materials on the basis of cost and availability of such materials unless preselected manufacturers are indicated as items supplied by Tenant/Owner.

2. It is understood that the Tenant/Owner may be purchasing and/or installing materials, equipment and furnishings under separate contract. This Contract shall cooperate with the Tenant/Owner to allow the delivery and installation of such materials, equipment and furnishings by other Contractors and suppliers which commence prior to final acceptance of the remodeled space by Owner so as to assure the Owner of the earliest possible completion date.

3. The term 'Architect' shall mean Carr Warner Architects, Ltd.
3711 N. Ravenswood Avenue, Suite #104, Chicago, IL 60613, (773) 477–9009

4. The Contract Documents are intended to include either directly or by implication all items required for the proper execution and completion of the work. The General Contractor shall provide all labor, material and equipment to complete the work as shown and specified in the drawings.

5. During the bidding period the Contractor is solely responsible for the complete coordination of the work and required trades so that no part of the work shall be left in an unfinished state as a result of lack of coordination, disagreements between the parties performing the work, or any other reason.

6. The Contractor shall be solely responsible for obtaining access to the site to determine and verify the existing conditions, materials, systems, sizes, dimensions, quantities, layouts, locations, and potential limitations for the performance of the work completed herein.

7. It will be presumed that the Contractor has fully acquainted himself/herself with the nature of the work and the limitations of the existing space and that he/she has full and complete knowledge of the work to be done and has included in his/her bid all required labor and materials to complete the work.

8. NOTES REGARDING INSPECTION OF EXISTING SITE

a. While the size and location of new work and equipment in the existing site has been indicated on the drawings as accurately as possible, the Contractor shall adjust his work as required to avoid existing ducts, pipes, conduits, structural members and the like not shown on the plans. Contractor shall adapt his work to meet all actual conditions on the site and in the existing building without additional cost to the Tenant.

b. Contractor shall inspect the premises and make a detailed examination of all locations where new work is to be installed. Contractor shall verify location of all utilities and shall notify Architect of any discrepancies prior to commencing work. The Contractor shall be responsible for any damages to underground utilities encountered in areas where excavations are indicated and shall repair any such damage at his own expense. Where utility lines must be maintained under building, they shall be properly sleeved through foundation walls. Footings shall be dropped to a depth below utility as required by details on drawings, i.e., pressure zone proximity, sleeve locations, steps, reinforcing, etc., all at no additional cost to Tenant.

c. After inspecting the premises and examining the drawings, the Contractor shall notify the Engineer and Architect of any defects, discrepancies, problems, uncertainties or clearances required for the installation of new work. Contractor shall await resolution prior to proceeding with the work and will be responsible for all changes necessary without additional cost to the Owner if he neglects to notify the Architect.

9. No extras will be allowed for claims due to unforeseen or unanticipated conditions which could have been discovered by each Contractor during inspection of the site, during bidding period and prior to the commencement of the work.

10. All work is to be performed and installed in compliance with governing local building codes and regulations. The Contractor shall be responsible for obtaining any required building permits for the performance of this work. Permit fees shall be reimbursed by Tenant/Owner.

11. All new Construction is to be properly integrated with the site. Refer to civil drawings.

12. Patch and repair any damage caused to existing construction resulting from work performed under this contract.

13. The General Contractor is responsible for providing temporary bracing, as necessary to ensure the vertical and lateral stability of the entire structure or a portion thereof during construction as necessary.

14. All wall dimensions are face of finish, u.n.o.

15 The General Contractor shall be responsible for repair or replacement for any damage caused by him or his Sub–Contractors to existing work in place.

16. These drawings are not to be scaled. If the required dimensions or information cannot be found herein, the Architect shall be requested to interpret the documents, and his interpretations shall be final and binding.

17. Any proposed substitutions shall be submitted to the Owner and the Architect for review and approval prior to incorporation into the work. The Contractor shall be totally responsible for any changes to details or conditions made necessary by a substitution.

18. The Contractor shall clean the entire facility to Owner's satisfaction upon completion of the work contracted hereunder, remove all tools, gangboxes, and equipment from the premises. Any leftover materials resulting from the work shall be properly disposed of off–site.

19. All work and materials shall be guaranteed against defects for two (2) years from date of substantial completion.

20. General Contractor shall consult and coordinate with Owner's Construction Coordinator in all matters of workmen parking, delivery and storage of materials, safety protection, trash removal, use of temporary facilities and other such operations in advance.

21. General Contractor shall be solely responsible for all trash removal from the demised premises at the end of working day. Coordinate w/ Owner.

22. The General Contractor shall provide blocks, openings, cores, etc. not specifically shown on the drawings as necessary for mechanical and electrical equipment, vents, ducts, and typical details. All cores and penetrations are to be approved by project structural engineer in writting.

23. The General Contractor is to build and maintain construction barricades (all necessary lights, sign, etc.) for the protection of the public, as per local ordinances and Owner requirements & obtain all required permits.

IV. SPECIFICATIONS

DIVISION 1: SHOP DRAWINGS, PRODUCT DATA, SAMPLES

1. All plumbing fixtures, doors/windows, finishes, hardware and miscellaneous items noted elsewhere shall be selected and/or approved by the Tenant/Owner and Architect unless noted on the plans or in the specifications. Provide shop drawings and sample submittals as noted for Architect and Owner approval.
2. The following items shall be submitted to the Architect and Tenant/Owner for review on a timely basis. Contractor shall waive all claims for additional compensation for extra materials, labor or time needed to complete the work arising from the Contractors failure to submit these items on time. Architect shall be given (15) working days to review all submittals and shall not be responsible for delays to the project resulting from a rejection of incorrect submittals.

Required material & product literature submittals:
- Masonry Units, Pavers, Mortar, and Natural Limestone
- Tile & Grout colors
- Plumbing & Electrical Fixtures and Devices
- Toilet Room Hardware and Accessories
- Mechanical Grilles and Devises
- Counter Top Finish and Type
- Doors, Frames, and Finish Hardware
- Exterior Door & Windows
- Roofing Membrane Systems, Flashing, and Accessories
- Sheet Metal Roof Specialities, Gutters, Downspouts, and Scuppers
- Millwork Samples and Finishes
- Acoustical Materials
- Carpet – Walk Off Pad
- Paint & Stain Colors

Required Shop Drawings:
- Structural Steel and Anchor Bolts
- Cold Formed Metal Framing & Details
- Roof Insulation Layout
- Metal Awnings & Canopies
- Stone Profiles and Metal Fasteners
- Storefront Layout & Details
- Fire Protection System and Accessories

3. Shop drawings: present in a clear and thorough manner. Title each drawing with Project name and number, identify each element of drawings by reference to sheet number and detail, schedule, or room number of contract documents. Identify field dimensions, show relation to adjacent or critical features or work or products. Submit (3) three copies.

4. Product Data: submit only pages which are pertinent, mark each copy of standard printed data to identify pertinent products, referenced to project manual section and article number. Show reference standards, performance characteristics, and capacities, wiring and piping diagrams and controls, component parts, finishes, dimensions, and required clearances. Submit (3) three copies.

5. Samples: Submit full range of manufacturer's standard finishes except when more restrictive requirements are specified, indicating colors, textures, and patterns. Submit samples to illustrate functional characteristics of projects, including parts and attachments. Submit (3) sets/copies.

DIVISION 3: CONCRETE

Note: Refer to Structural Drawings for Concrete Specifications

1. Work included: General Contractor to provide all work, labor, materials, and equipment to complete all the cast–in place work as specified herein or shown on these drawings and notes.
2. Cast in place concrete
   a. Summary:
      1. Cast–in–place concrete, including formwork, reinforcing, mix design, placement, and finishes for the following:
         a. Foundations and footings.
         b. Slabs–on–grade.
         c. Fill for steel deck.
         d. Foundation walls.
         e. Loadbearing building walls.
         f. Equipment pads and bases.
   b. Refer to Structural drawings and notes for submittals, quality assurance, materials, mixes, installation, and field quality control.
3. During progress of work a testing service will mold and lab cure concrete cylinders in accordance with ASTM C31 – compressive strength tests shall be conducted in accordance with ASTM C39.
4. Reference standards – all work to comply with ACI, ASTM and local code specifications and recommendations.
5. General Contractor to provide all reinforcing steel &/or wire mesh where indicated on drawings or as required. Grade 60
6. General Contractor to provide vapor barrier below all new concrete in contact with earth.
7. Refer to Structural sheets for additional spec.'s and notes (If applicable.)
   b. Steel angle corner guards.
   c. Prefabricated steel plate tread and riser stairs, landings, and pipe rails.
   d. Miscellaneous framing and supports for overhead doors.

DIVISION 4: MASONRY

Note: Refer to Structural Drawings for Masonry Specifications

1. City of Naperville, Adopted Standards: Building Code Requirements for Masonry Structures: ACI 530–92/ASCE 5–92/TMS 402–92
2. Concrete masonry units shall be normal weight block conforming to ASTM C–90 with a unit strength of 1500 psi unless noted otherwise on plan. Face brick shall conform to ASTM C216, type SW, with a five brick average minimum compressive strength of 3000 psi, individual 2500 psi.
3. Mortar to be type M or S and joints are to be tooled concave. Mortar shall conform to ASTM C270.
4. Brick veneer anchors to be placed vertically at 16" o.c., horizontally at 24" o.c.
5. Veneer Anchors: 2–piece adjustable masonry veneer anchors allowing vertical or horizontal differential movement between veneer and wall framing parallel to plane of wall but resisting tension and compression forces perpendicular to it, for attachment over sheathing to studs, and acceptable to authorities having jurisdiction.
6. Provide fabric flashing over exterior steel lintels with weep holes at 24" on center with cotton rope wick.
7. Use clean sand, well graded and free of any deleterious substances. Use only potable water. All work shall be done in a first class manner by experienced mechanics skilled in their trade.
8. Cold weather installation: When air temperature is below 40 degrees F. but above 25 degrees F., sand and mixing water shall be pre–heated to minimum of 70 degrees F. and maximum of 160 degrees F.
9. Keep all brick clean from mortar.
10. Tool joints to match Architect approved profile.
11. Set all brick plumb, level and true.
12. Set all units, both bottom and ends, in full bed of mortar with joints uniform in thickness.
13. Prior to delivery of masonry units to the job site, furnish the Architect/Owner with affidavits from an approved testing laboratory certifying that all units conform to their respective ASTM requirements.
14. Calcium chloride and/or admixtures containing same shall NOT be included in mortar or grout mix.
15. Masonry wall shall be adequately braced against wind during their erection and until their design supports are in place.
16. Provide lintels over all opening in masonry work. All lintels shall be primed, painted, flashed, and weeped.
17. Provide weep hole mesh vents along the base of all cavities and above steel lintels in masonry wall. Space weep holes 24" o.c. with polyproplene mesh vents.
18. Provide flashing at the base of all cavities. Extend flashing up 12" on back face of the cavity. Overlap adjoining sheets 2" horizontally.
19. Wash masonry following installation with a detergent based solution to remove grout, stains, and excess mortar. Direct run–off wash away from building to approved drains.
20. Provide face brick as specified in construction documents. Provide sample for Architect's and Tenant/Owner approval. Construct a sample wall panel approximately 48 inches (1200 mm) long by 48 inches (1200 mm) high to demonstrate aesthetic effects and qualities of materials and execution.

STONEWORK

1. Provide all work and materials necessary to complete the work.
2. Comply with the rules and recommendations of the Indiana Limestone Institute of America, Inc. handbook, latest edition.
3. Stone thickness shall be minimum 2–1/2".
4. Cover materials while stored and cover work in progress at site at end of each day's work.
5. Limestone contractor shall provide and design all stonework anchors. All stonework shall be properly and securely anchored to building structure. All anchors shall be fabricated with non–corrosive materials.
6. Install work to direct water away from building.
7. Provide minimum of four mechanical anchors per stone block or panel.
8. Provide weep holes at base of cavities to evacuate moisture.
9. Mortar used for setting of stonework shall be non–staining.
10. Protect all work from moisture and/or freezing during installation.
11. Verify all existing conditions, dimensions, and materials in field. Report any discrepancies to Architect in writing at once.
12. Quirk miter joints shall be 3/8" maximum.
13. Ease all exposed stone corners.
14. All exposed stone faces and edges shall be smooth unless noted otherwise.
15. Replace damaged or stained stonework at no cost to Owner.
16. Verify all conditions in field.
17. Submit shop drawings to Architect for review prior to fabrication of stonework.

DIVISION 5: METALS

Note: Refer to Structural Drawings for Structural Steel Specifications

1. Work Included: Provide all labor, material and equipment to complete the installation of metal elements as shown on the drawings and specified on structural drawings. (Refer also S–Sheets for additional specifications)
   a. Loose bearing and leveling plates, loose steel lintels, shelf and relieving angles, misc. framing and supports, misc. steel trim, floor plate and supports
2. General contractor to provide miscellaneous steel sections shown on drawings, including but not limited to fasteners, clips, steel sections.
3. All welding in field shall be completed by certified welders. Grind smooth all field welds and reapply rust inhibitive primer.
4. All work to comply with AISC and ASTM specifications and recommendations: steel plates, shapes, and bars – ASTM A 36, cold formed steel tubing – ASTM A 500, hot formed steel tubing – ASTM A 501, steel pipe – ASTM A 53, sched. 40.
5. Apply rust inhibitive primer to all shop fabricated steel.
6. Provide fasteners complying with ASTM and ANSI requirements for fabrication installation.
7. Provide nonshrink, nonmetallic grout at leveling plates.
8. Fabricate assemblies in shop to extent possible to minimize field splicing.

DIVISION 5a: STRUCTURAL STEEL AND STEEL ROOF DECK

1. Work included: Contractor to provide all work, labor, materials, and equipment to complete all the steel work as specified herein or shown on these drawings and notes.
2. Summary: (Refer to Structural drawings for extent of work)
   a. Beams, girders, bracing, base and bearing plates, leveling plates, shims, shear connectors.
   b. Entry canopy framing and anchors.
   c. Composite steel floor deck and steel roof deck.
3. All work to comply with AISC and ASTM specifications and recommendations.
4. All welding in field shall be completed by certified welders.
5. General Contractor to employ a testing agency to inspect materials and perform tests.

STEEL STUD FRAMING NOTES:
Refer to Structural Drawings for Specifications

1. Comply with the recommendations of the 'gypsum construction handbook' latest edition for metal stud framing work, unless more stringent requirements are specified in the contract documents.

2. Provide fire treated wood buck blocking at all doors and window openings.

3. Provide double 20 gauge metal studs at all door jambs.

4. Rigidly attach all framing to building structure. provide top track slip joints for expansion joints as required or noted.

5. All steel studs and framing members shall be of the type, size, gauge, and spacing shown on the drawings, and shall be manufactured by Unimast corporation, Clark steel framing systems, or equal.

6. All steel framing members shall be designed in accordance with the current edition of american iron and steel institute (aisi) "specification for design of cold–formed steel structural members".

7. All framing members shall be formed from corrosion–resistant steel, corresponding to the requirements of astm a446, with a minimum yield strength of 40 ksi for sj studs, 33 ksi for cr runners.

8. Studs: install, align, and securely anchor continuous tracks to supporting structure. squarely seat studs against webs of top and bottom tracks. space studs as indicated – plumb, align, and fasten both flanges of studs to top and bottom track.

9. Install framing and accessories level, plumb, square, and true to line, and securely fasten. temporarily brace framing.

10. Fastening of components shall be with self drilling screws of a size sufficient to ensure the strength of the connection. wire tying of components shall not be permitted.

11. Splices in studs shall not be permitted.

12. Layout wall prior to erection of framing. report discrepancies or deviations to architect in writing at once.

13. Construct wall partitions to resist bending and rotation about the minor axis.

14. Diagonally brace studs walls as required to provide frame stability and lateral load stability.

15. Where finishes are applied to only one face of framing, provide horizontal backer brace to mid–height screwed to all studs.

DIVISION 6: WOOD/PLASTICS

A. CARPENTRY/CABINETRY/MILLWORK

1. Work included: Labor, materials, and equipment to complete all the carpentry work as shown specified herein or implied from these drawings and notes, including but not necessarily limited to the following:
   a. Rough Carpentry
      1) Framing, blocking, furring, rough lumber curbs nailers, sleepers, sheathing, subflooring, wall backing, and miscellaneous carpentry items. ALL WOOD TO BE FIRE RETARDANT TREATED
   b. Finished Carpentry
      1) Installation of doors, windows.
      2) Installlation of finished and temporary construction hardware.
      3) Installation of toilet accessories
      4) Brackets, shelving as shown on drawing or as required.
      5) Bars and bathroom countertops.
      6) Booths & banquettes.
      7) Cabinetry millwork.
      8) Wainscotting.
   c. Caulking
   d. Rough Hardware.
2. ~~Products~~
   a. ~~Wood Flooring~~
      1) ~~Refer to B for moisture barrier.~~
      2) ~~See sheet A9.2~~
      3) ~~Provide 3/4" plywood underlayment per details (tolerance or 1/8" in 10' level). Provide 1x sleepers.~~
   b. Paneling
      1) See sheet A9.2
      2) Fabrication in accordance with AWI, section 500, or 400–8 custom grade quality standards.
      3) Install with no exposed joints visible.
   c. Trim to be clear, plain sawn, premium poplar, AW1 Grade 1 – refer to drawings.
   d. Laminate: Nema standard LD–1, Class 1, high pressure decorative laminate, color as selected by Architect. Surface sheet .05" thick with .02" phenolic backing.
3. General Contractor shall submit shop drawings, wood samples and stains for approval by the Architect prior to commencement of work.
4. All materials, workmanship and installation shall comply with all applicable (City, State, and National Building Codes and Ordinances).
5. ~~Wood flooring installation – Refer to B~~
6. Perform all work as shown on the drawings or inferable therefrom. Provide miscellaneous component parts required to assemble and support the work to ensure a complete total installation. Include all required parts such as anchors, braces, attachments, clips, bolts, hardware and similar not provided by Owner.
7. Provide preinstallation of blocking with the partitions, exact locations of any such supports are to be coordinated by the Contractor based upon the cabinetry construction. Blocking to be fire treated wood.
8. Field measure the exact spaces available for installation of millwork prior to purchase or fabrication of any items to verify dimensions and configurations.
9. Lumber in general: Grade: appearance grade in accordance with AWI section 100 Grade II. New, dry sound, undamaged, well seasoned, free from marks of a recognized organization whose regular business it is to establish lumber grades. when installed, exposed lumber shall have no blemishes, objectionable marks, stains or scars. Provide fire treated lumber as shown on plans. Comply with regulations of American Lumber Standards Committee (ALSC) Board of Review.
   a. Plywood subflooring to comply with PSI, APA stud–1 flooring.
   b. Metal framing to comply with AISI and ASTM A 446.
10. Rough Lumber: 'Standard' Grade Douglas Fir–Larch conforming to all standards set by the Western Wood Products Assoc.
11. Construction Sealant: Verify with Architect type and color. Caulk all openings, cracks, frames, gaps, windows, obtrusions etc. Caulking shall remain elastic, non–hardening and firmly adhesive.
12. All nailing, bolting and other connection to conform to 'Techniques of House Nailing U.S. Government Publication' to the recommendations of the individual standards agencies specified herein. Fasteners in finished material to be recessed and filled.
13. Rough Hardware: All bolts, nuts, expansion shields, lag screws and bolts, toggle bolts, wood screws, nails, staples and any other miscellaneous hardware shall be supplied by the carpenter contractor.
14. When structural strength is impaired by cutting, drilling or by inherent defects, replace or reinforce members in acceptance manner. Architect is to verify repair that is done.
15. Erect framing and furring true to line, plumb, level and square with proper fastening and bracing.
16. Provide solid blocking for shelving, cabinets, accessories, and other surface mounted work.
17. Exposed trim work, use lengths as long as practical in order to minimize joints.
18. Set exposed nail heads and/or screws to receive putty.
19. Sand wood with the grain. No coarse sandpaper marks, hammer marks, or other imperfections will be accepted.
20. Set frames plumb, level, and square. Brace until firmly in place. Use at least three shims on each side. Shim jambs firmly at butts and striker plates.
21. Apply finish hardware as recommended by hardware manufacturer and as required. Upon completion, adjust and lubricate hardware for proper operation.
22. Join lengths of running trim only where solid fastenings can be made. Miter exterior corners and cope interior angles.
23. Submit shop drawings on all millwork items.
24. Minor items and accessories reasonably inferable as necessary to the completion shall be provided whether or not they are specifically shown or specified.
25. All work shall be laid out by this contractor at the building in consultation with the Owner's representative and those installing work under other trades. This Contractor shall cooperate to eliminate conflicts between his work and that of others, and shall be responsible for all conflicts between his work and that of others.
26. Labor shall be performed rapidly, consistent with the project schedule, and in a workmanlike manner; to the satisfaction of the Architect.
27. Contractor is to guarantee all work and material for one year after completion against all defects of the materials, equipment and workmanship.
28. This Contractor is responsible for clean up of any left over material or rubbish caused by installation of this work. All such material shall be removed from the job site daily or as requested by the Owner.

DIVISION 7: THERMAL MOISTURE

A. SEALANT AND WATER PROOFING NOTES

1. Work Included: Provide all labor, material and equipment to complete the sealant and water proofing installation as shown on the drawings and specified on drawings.
2. Carpenter Contractor to be responsible for all caulking and sealing.
3. Caulking compound for joints around frames of doors and window openings.
4. Interior caulking shall be done at all joints, crevices, cracks, openings and obtrusions as required. Verify type and color of interior caulking with Architect. Provide backer rod as required.
5. Clean joints and spaces to be caulked, free of dust, dirt, oil, grease and dampness.
6. Apply caulking compounds with pressure gun. Fill joints solidly and smoothly, without thin edges. Remove excess compound and leave adjoining surfaces clean.
7. This contractor is to guarantee this work to be free from defects of material and workmanship for two years from date of final acceptance of work.
8. Mop in flashing at all floor drains and penetrations.
9. Water proofing membrane for tile bed setting/waterproofing:
   a. Wall Waterproofing: Tile to be on setting bed of maipai kerplastic liquid polymar mix with maipai kerpound to achieve waterproof membrane.
   b. Tile Floors: (Where indicated on drawings) Laticrete system #9235 or equal compatible with thinset. Run membrane min. 12" up wall.
   c. Watertest membrane at all penetrations.
10. Installation of moisture barrier at wood floor.
   a. Per manufacturer's direction.
11. Miscellaneous Materials:
   a. Joint Cleaner: Proivde type recommended by sealant manufacuter.
   b. Joint Primer/Sealer: Provide type recommended by sealant manufacturer.
   c. Bond Breaker Tape: Polyethylene tape or other plastic tape as recommended by sealant manufacturer. Provide self–adhesive tape where applicable.
   d. Sealant Backer Rod: Compressible rod stock polyethylene foam, or other flexible, permanent, durable non–absorptive material as recommended for compatibility with sealant by the sealant manufacuturer.
   e. Expansion joints: Provide isolation membrane over all expansion joints.

B. INSULATION

1. Work Included: Provide all labor, material and equipment to complete installation of insulation as shown on the drawings and specified on drawings.
2. Exterior Frame Walls: Kraft or foil faced batt insulation.
3. Exterior Windows/Doors: Batt insulation loosely stuffed between frame and stud.
4. Interior and Exterior Masonry Walls: Rigid insulation/Batt insulation as noted.
5. Interior Frame Walls: Insulate both sides with unfaced acoustical insulation as indicated on drawings.
6. Safing: Mineral fiber safing at pipes, duct and all penetrations or openings in fire rated walls and floors. Provide also at intersection of masonry and roof decks.
7. Insulate all pipes, ducts in ceiling.
8. Vapor Barrier: It is intent of spec's that a continuous vapor barrier be constructed on inside face of framing members at exterior walls to reduce condensation. Tape all joints, ruptures of insulation or provide 6 mil vapor barrier.
9. Floor/Ceiling Separation: Rigid sound board insulation as indicated.

C. WATER REPELLENTS

1. Work included: Contractor to provide all work, labor, materials, and equipment to complete all the work as specified herein or shown on on these drawings and notes.
2. Summary: Clear water repellent coating on vertical concrete unit masonry and stonework surfaces. Refer to elevations for extent of work.
3. Provide water repellents with the following properties:
   a. Absorption: minimum 90% reduction of absorption after 24 hours in comparison of treated and untreated specimens, CMU – ASTM C 140, Stone – ASTM A 97.
   b. Water–vapor transmission: maximum 10% reduction in rate of vapor transmission in comparison of treated and untreated specimens, ASTM E 96.
   c. Water penetration and leakage through masonry: maximum 90% reduction in leakage rate in comparison of treated and untreated specimens, ASTM E 514.
   d. Durability: maximum 5% loss of water repellency after 2500 hours of weathering in comparison to specimens before weathering, ASTM G 53.
   e. Permeability: minimum 80% breathable in comparison of treated and untreated specimens, ASTM D 1653.
4. Engage an experienced applicator who employs only persons trained and approved by water repellent manufacturer for application of manufacturer's products.
5. Comply with the manufacturer's written instructions for application.
6. Warranty period shall be 5 years from date of Substantial Completion.
7. Provide a product recommended by the substrate manufacturer/supplier for this type of application.

PORTLAND CEMENT STUCCO

1. All Portland cement stucco shall conform with ASTM C150, metal reinforcement #FS–QQ–L–101a, metal accessories ANSI A42.3 and building paper #FS–UU–B–790
2. Furnish and install all stucco work completely including grounds, screeds & casing.
3. Provide self–furring diamond mesh 1 ½", 17 GA zinc coated lath on heavy duty building paper. Inspect paper for proper laps, tears, nail punctures, etc. prior to plastering.
4. Provide 24 GA galvanized screeds, control joints, and reveals as indicated or required.
5. Provide 24 GA galvanized metal drip screeds at all foundations and overhangs.
6. Provide square beads at all edges, openings, penetrations and corner beads at all corners unless noted otherwise.
7. Provide 3–coat Portland cement stucco application over frame construction totaling at least 7/8" thickness. Finish coat texture and color to match approved sample.
8. Finish texture shall be steel troweled to match approved sample. Submit color and texture sample to Owner and Architect (24"x24") for approval.
9. Protect stucco and substrate from excessive moisture, freezing temperatures or frost–filled surfaces. All surfaces to be clean and structurally sound. Apply strictly according to manufacturer's specification to achieve approved finish.

D. ROOFING AND ROOF ACCESSORIES

NOTE: Any roof penetrations need to be coordinated with landlord's roofing company: South Shore Roofing – contact Dave @ (630) 536–4544 or Brandon @ (219) 477–8222

1. Work included: Contractor to provide all work, labor, materials, and equipment to complete all the roof work as specified herein or shown on these drawings and notes.
2. Summary:
   a. Fully adhered thermoplastic polyolefin (TPO) roofing system for torch down application roof system as manufactured by GAF, Carlisle SynTec, Firestone Building Products or approved equal. Tensile Strength, 200 psi in compliance with ASTM 2523. Thickness, 60 mils. minimum not including cap sheet. Reinforcing polyester or glass fiber polyester mat. Face color, WHITE
   b. TPO Roof flashing, counterflashing, cants, and trim.
   c. Roof specialties including copings, edge stops, metal fascia, gutters scuppers, downspouts, reglets and counterflashing.
   d. Roof accessories including curb and equipment supports, prefab roof flashing, roof drains, and roof hatch.
3. Engage an experienced installer who employs only persons trained and approved by roof manufacturer for application of manufacturer's products.
4. Standard roofing manufacturer's warranty period shall be 15 years from date of Substantial Completion. Roofing installers warranty shall be 2 years.
5. Performance Requirements:
   a. Install a watertight, 60mils. single–ply roofing and base flashing roofing system with compatible components that will not permit the passage of liquid water and will withstand wind load, thermally induced movement, and exposure to weather without failure.
   b. Fabricate and install sheet metal and TPO flashing and trim, roof specialties, and roof accessories to withstand wind loads, structural movement, thermally induced movement, and exposure to weather without failing. All fabrications to comply with SMACNA recommendations.
6. Provide roofing materials with fire test response characteristics per ASTM test methods when tested by a governing authority approved testing agency and bearing the marking of that agency.
7. Materials: Provide metal, trim, and accessories that are compatible with one another and approved for use by the product manufacturer.
8. Comply with the manufacturer's written instructions for application.
9. Comply with NAAMM's metal finishes manual for recommendations on applying/designating finishes.

METAL COPING NOTES

1. Provide zinc–coated steel, commercial quality with 0.20% copper, ASTM A 526, G90 hot–dipped galvanized, 20 gauge thickness. Solder to be 50–50 tin/lead, ASTM B32, with rosin flux. Fasteners to be same metal as metal coping or other non–corrosive metal as recommended by sheet manufacturer. Provide sheet metal clips, straps, anchoring devices and similar accessory units as required for installation of the work.

FLASHING NOTES

1. Flashing is hereby defined as the system of impervious sheet related anchors provided in intercept and control the flow of moisture and/or water away from the building interior spaces or interior cavities. All flashings shall provide a weather–tight and watertight assembly and shall have a non–corrosive finish.
2. All sheet metal and flashing shall be detailed, fabricated, and installed in accordance with the SMACNA "architectural sheet metal manual". anchor units of work securely in place by methods indicated, providing for thermal expansion of metal units.
3. Wherever flashing is to be provided as an accessory to a manufactured system, comply with manufacturer's requirements and recommendations.
4. Flashing shall be provided at locations including but not limited to the following:
- base of masonry cavities
- all roof penetrations
- all roof edge, ridge, and valley conditions
- all window heads, window sills, door heads, and door sills.
- all gutters and scuppers.
- parapet walls
- at top of any construction which projects more than 1" from face of an exterior wall.
5. Structural sill angles or ledges which support exterior finishes or veneers. PVC flashing is not permitted.
6. Concealed flashing shall be galvanized sheet metal, stainless steel, or rubberized asphalt.
7. Avoid the possibility of galvanic action between dissimilar metals. Provide compatible metals or separators as required. provide for separations of non–compatible metals with concealed coatings on substrates at locations of contact with bituminous coating or other permanent separation as recommended by manufacturer.
8. Qll exposed metal flashings shall be 22 gauge minimum. copper shall conform to ASTM specifications B370 and B152 temper H00 16 oz.
9. Lap all joints 2" minimum. Install flashings for consistent straight edge where exposed. Finished assemblies shall be free from dents, "oil canning", scratches or other defects.

DIVISION 8: DOORS & WINDOWS

A. HARDWARE

1. Work included: General Contractor to provide all work, labor, materials, and equipment to complete all the work as specified herein or shown on these drawings and notes.
2. Install all required hardware for complete operation, Install per manufacturer's instructions, and adjust all installed hardware to manufacturer's specified tolerances.
3. Refer to A9.1 for hardware schedule.
4. Furnish (3) three keys for each lock, twelve (12) master keys for each set.
5. Master keying: Factory key, master key and grand master key. All lock and cylinders to existing system.
6. General Contractor to verify doors provided by Tenant and provide hardware based on schedule as required. General Contractor to verify that existing hardware on existing and relocated doors are operable and appropriate to function of room.
7. Hardware finish in non–public areas to be US26D. Public areas to be US26D (verify with owner).
8. Suppliers (or approved equal), refer to sheet A9.1 for hardware schedule.
Hinges: Hager
Locksets: Schlage (L–Series mortise extra heavy duty)
Closers: LCN Smoothee 4010 Series
Panic Devices: Von Duprin Series 33, Series 99 for receiving door
Push and Pull Plates: by Owner
Stops: Ives 407
Weather–stripping and thresholds: Reese
Door Silencers: Glynn–Johnson #GJ64
Kick Plates: .05" thick satin stainless steel

B. DOORS/GLAZING:

1. Work included: General Contractor to provide all work, labor, materials, and equipment to complete all the work as specified herein or shown on these drawings and notes.
2. Provide glazing, aluminum, storefront, hollow metal doors and solid core wood doors as indicated on door schedules, details. Refer also Section XVII.
3. Provide welded metal door (18 ga.)and steel frames (16 ga.) with S.D.I. 100 for minimum materials and construction requirements. (Refer door schedule).
4. Provide solid core wood doors and frames as indicated on door schedule.
5. Provide Frostlite 1/4 opaque glass for doors, cabinets where indicated on drawings.
6. Mirrors – all interior mirrors to be 1/4" thick.
7. Provide tempered glazing where required by code or as indicated in drawings.
8. Provide 1" insulated window type low E clear glazing.
9. Provide 1/4" uninsulated clear where indicated.
10. Provide all glazing accessories, blocks, spaces etc., necessary for proper installation as recommended by the manufacturer.
11. All work to comply ANSI, ADA, and I.B.C.
12. Provide metal access panels w/ frame suitable for material being installed.

C. ALUMINUM STOREFRONT

1. Work included: Provide all labor, material and equipment to complete aluminum storefront installation as shown on drawings and specified, including but not limited to:
   a. Doors.
   b. Glazing.
   c. Frames.
   d. Hardware.
2. Products:
3. Finishes: matte black aluminum.
4. Glazing: 1" insulated clear 'E' glass.
5. Verify wind load requireds with manufacturer.
6. Install per manufacturer's instructions.
7. Install flashing, weeps etc. as necessary.

DIVISION 9: FINISHES

A. PARTITION NOTES

1. All materials, workmanship and installation shall comply with all applicable codes and ordinances.
2. Work included:
Provide all labor, material and equipment to complete installation of gypsum drywall, metal studs, taping and sanding. Use materials as manufactured by U.S. Gypsum Co. or approval equal as follows:
   a. Gypsum wallboard at interior partitions, 5/8" tapered edge sheet rock panel, except as noted otherwise.
   b. Gypsum wallboard at ceilings, 5/8" tapered edge sheet rock panel, except as noted otherwise.
   c. Gypsum wallboard at all wet (toilet room, bar and kitchen) walls to be 5/8" moisture resistant green board unless otherwise noted. Wallboard on all dishroom, cookline and mop room walls to be 5/8" Durock U.N.O.
   d. Fasteners, 1–1/4" type W bugle head wallboard screws. Glue and screw all drywall.
   e. Corner bead (outside), Dur–A–Bead #103.
   f. Corner bead (inside), Perf–A–Tape.
   g. Casing bead, No. 200–A USG metal trim.
   h. Furring channels, USG metal furring channels 26 GA. galvanized steel.
   i. Reinforcing tape, Perf–A–tape.
   j. Joint compounds, USG joint compounds.
   k. USG metal studs with minimum gauge 22 galvanized steel.
3. All drywall shall be screw fastened to the studs. All drywall joints are to be taped and floated smooth with joint compound, sanded and made ready for painting. The finished surfaces shall be reinforced with perforated metal beads, screw fastened through drywall to the studs and floated level.
4. Minor items and accessories reasonably inferable as necessary to complete the drywall work shall be provided whether or not they are shown or specified.
5. All partitions shall be constructed of galvanized steel studs where noted and gypsum board drywall, where indicated as manufactured by USG Corporation or equal, and constructed to the thickness and configurations shown on the drawings.
6. Studs extended up to the structure above shall be installed as required to allow for vertical deflection and movement of the structure above.
7. Provide acoustical, fiberglass, batt type insulation in partitions where shown on drawings. All voids between studs shall be filled full height of the partitions without gaps vertically or horizontally.
8. Labor shall be performed rapidly, consistent with the project schedule, and in a workmanlike manner, to the satisfaction of the Architect.
9. Contractor is to guarantee all work and material for one year after
10. This Contractor is responsible for clean up of any left over material or rubbish caused by installation of this work. All such material shall be removed from the job site daily or as requested by the Owner. completion against all defects of materials, equipment and workmanship.
11. General Contractor shall be responsible for all bracing of partition walls and door openings as required.
12. All new partitions engaging exterior walls or columns shall be jointed with resilient fastners. A 2" thick compressible neoprene gasket shall be installed between metal stud and existing construction.

B. TILE NOTES

1. Work included: Provide all labor, material and equipment to complete the tile installation as shown on the drawings and specified on drawings.
2. Products: Refer to sheet A9.3 and A9.4 for product specification.
   a. Quarry tile.
   b. Mosaic ceramic.
   c. Ceramic.
   d. Vinyl.
3. Wall tile installation to comply to TCA Method F142–93, organic adhesive, and floor tile to comply to TCA Method F142–93 and TCA Method for mudset installation (if required due to floor elevations or as noted).
4. Contractor to verify grout colors with Architect. Submit samples.
5. This Contractor is responsible for preparing all surfaces to accept tile finish. See waterproofing membrane under Sealant & Waterproofing notes to be installed where indicated on sheet A12.1 and A12.2.
6. Do not apply adhesives or mortar setting beds until necessary grounds, hangers, anchors, and other items to receive plumbing have been properly installed. Coordinate work with other trades.
7. Tile to be applied plumb and true, all grout joints are to be of equal thickness.
8. Layout tile in each area in such a manner as to minimize the cutting of tile.
9. Grout: Wall tile – L&M dry cure as manufactured by L&M Corp. or approved equal. Quarry tile floor – grout with L&M acid R as manufactured by L&M Corp. or approved equal. Grout after tile has set for at least 24 hours. Saturate joints with water and force grout into joints to full depth. Take care not to scratch glazed tile. Remove surplus grout before it hardens and leave face of tile clean.
10. Upon completion of tile work, clean finish surface thoroughly. Do not use acid solution on glazed tilework.
11. Labor shall be performed rapidly, consistent with the project schedule, and in workmanship manner, to the satisfaction of the Architect and Owner.
12. Contractor is to guarantee all work and material for one year after completion against all defects of materials, and workmanship.
13. This Contractor is responsible for clean up of any left over material or rubbish caused by installation of this work. Or as requested by the Owner.
14. Make all floor transitions level and true. Proivde leveling latex compound as necessary on uneven flooring. Provide concrete for deeper patches.
15. Provide samples of all tiles, stones, quarry, ceramics and patterns to architect for approval.

C. FIBERGLASS REINFORCED PLASTIC WALL PANELING

1. (FRP) to be Kallite pebble white or white Kemlite .09" thick white by Kemlite Corp. Submit sample for Architect's review.
2. Provide all necessary adhesives, fasteners, vinyl molding and trim, and rivets.
   a. Caulk FRP at base, ceiling, and door intersections.
3. Install per Manufacturer's directions.

D. PAINTING/STAINING NOTES

1. Work included: Labor, material and equipment to complete all painting and staining as shown, specified, herein or implied from these drawings and notes, including but not necessarily limited to the following:
   A. Items:
      1. Interior and exterior painting as specified on drawings
      2. Steel doors and frames
      3. Gypsum wallboard and ceiling, soffits as specified on drawings
      4. Columns.
      5. Wood Wainscotting.
      6. Miscellaneous Millwork & Running Trim.
      7. Miscellaneous Metals.
      8. Faux painting as indicated. –BY OWNER
      9. Wood doors & frames
      10. Brick – as noted in finish schedule
   B. Materials:
   Products: Refer to sheet A9.3 and A9.4 for product specification.
      1. Colors as selected by Architect.
         a. Acceptable paint manufacturers:
         Benjamin Moore
         Sherwin Williams
         Rust–Oleum or approved equal
         b. HMD & Frames:
         1 coat interior primer
         2 coats topcoats. (semi–gloss)
         c. Woodwork backpriming
         1st coat: Wood Undercoater
         2nd coat: Spred Ultra Semigloss Enamel
         d. Gypsum Wallboard – latex eggshell enamel finish
         1st coat: Primer Sealer
         2nd coat: refer to finish legend on drawings
         3rd coat: same as second coat
         e. Gypsum Wallboard – semi–gloss polyamide epoxy finish
         1st coat: latex primer
         2nd coat: semi–gloss
         3rd coat: same as second coat
         f. Unit masonry
         1st coat: Ultra Hide Latex Block Filler
         2nd coat: Spred Ultra Semigloss Enamel
         3rd coat: same as second coat
         g. Ferrous Metal
         remove all dirt, grease, oil, and scale
         1st coat: Red Metal Primer
         2nd coat: semi–gloss topcoat
         3rd coat: same as second coat
         h. Epoxy – high gloss enamel
         i. Stains: Paneling, Doors, Trims – Satin Finish
            1) 2 – 3 coats stain brush applied and wiped immediately with soft cotton rags or as necessary to achieve color per Architect's sample.
            2) All sealers shall be brush applied with satin finish. Wait 24 hours after final staining. 3 coat process, oil based polyurethane per manufacture's rec.
               a. First coat shall be sanding sealer.
               b. Fill all pores, grains smooth.
               c. Three coats at casework. (refer #2 above)
               d. Fire retardant treatment if indicated. Class I rating.
         j. Natural finish interior – wood trim, wood doors and frames, paneling. Class I flame spread.
         k. Concrete Slab Sealer
            1) Seal–Crete concrete floor/driveway sealer (SK, CFDS) by Seal–Crete, Inc., 1–800–323–7357 or equal.
2. Stain rating at finish interior – wood trim, wood doors and frames, paneling. Class II flame spread. Wood – fire retardant treatment – all exposed wood paneling, planking and plywood (N.I.C.)
3. Do not begin work on surfaces that are unsuitable for proper finish of work, notify Architect and General Contractor of unsuitable surfaces and proceed work only when conditions are corrected.
4. Fill voids between wall surfaces and wood or metal trim, or scribed edges with, putt, caulking material, or spackle, as required by the surface, to assure a smooth finish.
5. Clean, hand–sandpaper, and dust off all woodwork. Putty nail holes, cracks, and defects in woodwork after first coat. Sandpaper woodwork smooth after each every coat except the last coat. Insure that surfaces are free of dust, dirt, and other imperfections before proceeding with additional coats.
6. No exterior staining or painting in rainy, damp, high humidity weather or until surface is dry.
7. Wood Flooring – Not Used
8. Apply materials according to manufacturer's instruction and free from runs and sags. Apply no paint, varnish, or enamel until preceding coat is dry and hard.
9. Contractor is to guarantee all work and material for one year after completion against all defects of material, and workmanship.
10. This contractor is responsible for clean up of any left over material or rubbish caused by installation of this work. All such material shall be removed from the job site daily or as requested by the Owner.
11. All surfaces to be cleaned, dry and clear of blemishes, dirt etc.
12. Provide paint and stain samples of all materials to architect for approval. Prior to any painting/staining.

E. ACOUSTICAL TREATMENT/CEILING SYSTEM

1. Install suspended ceiling system as shown including all necessary hangers, framing, perimeter control joints and structural reinforcement.
   a. Material as indicated in finish schedule sheet A9.1.
2. Manufacturer's
   a. Vinyl Faced & Acoustical Tile: USG, Armstrong.
   b. Spray on acoustical: K–13 'fc' or equal.
   c. Grid Donn's standard 15/16".
3. Coordinate the spacing of all hangers, carrying channels, runners and molding with the location of electrical fixtures and other items occurring in or on the ceiling.
4. Tiles to be installed so grain lines of tile are running in same direction on all ceilings.
5. Following completion of acoustical ceiling installation, all joints shall be straight, true to line, with exposed surface flush and level.
6. If ceiling diffusers, light fixtures or other elements on or above ceiling cannot be located as shown on the drawings, such interference shall be reported immediately to the Architect for relocation.
7. Ceilings as noted on drawings to be treated w/K–13 'fc' spray–on ceiling system, 1" thickness, and color to be white. Installation to be by a recommended installer and as per manufacturer's specifications. Provide samples (prior to ordering) to architect for approval.

NOTE: Refer to room finish schedule and reflected ceiling plan on drawings for further specifications.

DIVISION 10: SPECIALTIES

1. Art & artifacts to be by owner.
2. Fire extinguishers per Fire Department requirements by G.C.
3. Custom stainless steel items. Refer drawings for scope.
4. Stainless steel corner guards.
   a. To be 18 guage type 430 #4 satin finish and 3 1/2"x3 1/2"x48" or as noted on drawings.) Provided and installed by GC.
   b. Toilet partitions and accessories per drawings.
5. Provide item cuts, shops on all specialty items for approval.

IV. P.O.S. / SOUND SYSTEM

1. G.C. and subcontractors to coordinate and supply all necessary items w/ P.O.S./ Sound System contractors selected by owner. Electrical items included in drawings are for informational & pricing purposes only. Final selected vendors may differ on req's to that shown on drawings. G.C. to pull by owner cables. Verify with MEP sheets.

FIREBLOCKING and FIRESTOP SEALANT NOTES:

1. Applications of firestop systems include:
a. Penetrations for passage of duct, cable, cable tray, conduit, piping, electrical busways and raceways through fire rated vertical barriers (walls and partitions), horizontal beams (floor/ceiling assemblies) and vertical service shaft walls and partitions.
b. Safing slots gaps between edge of floor slabs and curtain walls.
c. Openings between structurally separate sections of walls and floors.
d. Gaps between tops of walls and ceiling or roof assemblies.
e. Expansion joints in fire rated walls and floors.
f. Openings and penetrations in fire rated partitions or walls containing fire doors.
g. Openings around structural members which penetrate fire rated floors or walls.
2. FIREBLOCKING SHALL BE PROVIDED TO CUT OFF ALL CONCEALED DRAFT OPENINGS (VERT. & HORIZ.) AND TO FORM AN EFFECTIVE FIRE BARRIER BETWEEN FLOORS, STORIES, AND ROOF SPACES. MATERIALS WHICH MAY BE USED ARE:
–UNFACED BATT INSULATION
–BLANKETS OF MINERAL WOOL
–THERMAL FIBER/FIRE SAFE BATTS
–DRYWALL COMPOUND
–CEMENTITIOUS MATERIAL
–FIRESTOPPING CAULK
3. Firestop System installation must meet requirements of ASTM E 814, ASTM E 84, UL 1479 or UL 2079 tested assemblies that provide a fire rating equal to that of construction being penetrated. Provide firestopping systems for all penetrations of rated assemblies by:
- HILTI # CP 606 Flexible Firestop Sealant
- OSI Flameseal Fire, Smoke & Draft Stop Sealant
- Tremco Fyre–Caulk

Minimum 1 hour rating must be maintained.
4. Install firestopping systems to comply with manufacturer's written instructions and with requirements listed in the testing agency's directory for the indicated fire–resistance rating.

NOTES:
1. ALL FINISHES ARE LISTED IN THE FINISH LEGEND ON SHEET A9.2 and A9.3
2. PROVIDE SHOP DRAWINGS COLOR CHARTS, SPECS, CUTS ON ALL ITEMS LISTED ON G1.1 AND A9.2 FOR ARCHITECTS REVIEW PRIOR TO ORDERING OR FABRICATION.
3. THIS SPEC IS PERFORMANCE BASED – REFER TO DRAWINGS FOR PRODUCT SPECIFIC DESIGNATIONS. MOST PRODUCT DESIGNATIONS DO NOT ALLOW FOR AN APPROVED EQUAL TO BE SUBSTITUTED.

ISSUE FOR PERMIT

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BY ____________ DATE ________

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NO	DATE	DESCRIPTION
1	04.25.25	ISSUE FOR PERMIT

NOTE:
1. REFER TO SHEET #A1.1 FOR ALL CODE DATA AND BUILDING ANALYSIS.
2. REFER TO STRUCTURAL DRAWINGS FOR ALL STRUCTURAL MATERIAL SPECIFICATIONS

WILLIAM D. WARNER
NUMBER
A-2025012951

DATE: 04/25/2025
EXP. DATE: 12/31/2025

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&
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SPECIFICATIONS

JOB NO: ANCHO - SUMMIT FAIR
DATE: 04.25.2025
SHEET NO: G0.2

LEGEND

TAGS

- ROOM NAME / ROOM NUMBER (NAME / #)
- REVISION NUMBER (#)
- ELEVATION MARK (XXX / X'-X")
- DETAIL NUMBER / SHEET NUMBER (DET / SHT)
- ELEVATION NUMBER / SHEET NUMBER (ELEV / SHT)
- INTERIOR ELEVATION TAG (SHT)
- SECTION NUMBER / SHEET NUMBER (SECT / SHT)
- COLUMN LINE DESIGNATION
- DOOR NUMBER (XXX)
- NOTE TAG (XXX)
- CONSTRUCTION TYPE (X)
- WINDOW NUMBER (XX)
- STEP DOWN HEIGHT (X")
- FLOOR MATERIAL TRANSITION (X / X")
- FLOOR MATERIAL TAG (X-X / XX)

PLAN/SECTION

- EXISTING CONSTRUCTION TO REMAIN
- EXISTING CONSTRUCTION TO BE REMOVED
- NEW WALL - SEE PLANS FOR TYPE
- BATT INSULATION OR SOUND ATTENUATION BLANKET
- RIGID INSULATION
- STONE
- BRICK
- CONCRETE BLOCK
- CONCRETE
- EARTH - UNDISTURBED
- EARTH - COMPACTED BACKFILL
- GRAVEL
- GYPSUM BOARD
- METAL LATH & PLASTER
- PLYWOOD
- STEEL
- WOOD - FINISH
- WOOD - DIMENSIONAL LUMBER
- WOOD - ENGINEERED LUMBER

ELEVATION

- BRICK
- GLASS
- SHINGLE - ASPHALT
- SHINGLE - SLATE OR CEDAR SHAKE
- SIDING
- STONE - DIMENSIONAL
- STONE - NATURAL
- STUCCO

ABBREVIATIONS

ABBREV.	ABBREVIATIONS
A/C	AIR CONDITIONING CONDENSER
ADDL.	ADDITIONAL
ADJ.	ADJUSTABLE
A.F.F.	ABOVE FINISHED FLOOR
ALT.	ALTERNATE
ALUM.	ALUMINUM
APRVD.	APPROVED
ARCH.	ARCHITECT
ASSOC.	ASSOCIATED
BD.	BOARD
BLDG.	BUILDING
BLKG.	BLOCKING
BM.	BEAM
B.O.	BOTTOM OF
BRG.	BEARING
BSMT.	BASEMENT
CABT.	CABINET
CARP.	CARPENTER
CAT.	CATALOG
C.I.	CAST IRON
C.J.	CONTROL JOINT
CL.	CENTERLINE
CLG.	CEILING
CLG. JST.	CEILING JOIST
CLR.	CLEAR
CM.	CENTIMETER
C.M.U.	CONC. MASONRY UNIT
C.O.	CLEAN OUT
COMP.	COMPACTED
CONC.	CONCRETE
CONFIG.	CONFIGURATION
CONT.	CONTINUOUS
COORD.	COORDINATE
CPT.	CARPET
C.T.	CERAMIC TILE
CU.	CUBIC
DBL.	DOUBLE
DEG .	DEGREES
DIA.	DIAMETER
DIM.	DIMENSION
DN.	DOWN
D.S.	DOWNSPOUT
DTL.	DETAIL
D.W.	DISHWASHER
DWG.	DRAWING
EA.	EACH
E.I.F.S.	EXTERIOR INSULATION FINISH SYSTEM
E.J.	EXPANSION JOINT
ELEC.	ELECTRICAL
ELEV.	ELEVATION
ENG.	ENGINEER
EQ.	EQUAL
EXIST.	EXISTING
EXT.	EXTERIOR
F.D.	FLOOR DRAIN
FIN.	FINISH
FIX.	FIXTURE
FLR.	FLOOR
FLRG.	FLOORING
FLSHG.	FLASHING
FND.	FOUNDATION
FP.	FIREPLACE
FTG.	FOOTING
GA.	GAUGE
GAL.	GALLON
GALV.	GALVANIZED
G.C.	GENERAL CONTRACTOR
GL.	GLASS
GR.	GRADE
GRAN.	GRANULAR
GYP. BD.	GYPSUM BOARD
H.C.	HANDICAPPED
HD.	HEAD
H.D. GALV.	HOT DIPPED GALVANIZED
HDWD.	HARDWOOD
HDWR.	HARDWARE
H.M.	HOLLOW METAL
HORIZ.	HORIZONTAL
H.P.	HIGH POINT
HR.	HOUR
HT.	HEIGHT
HUMID.	HUMIDIFIER
H.V.A.C.	HEATING, VENTILATION & A/C
I.D.	INSIDE DIAMETER
I.L.O.	IN LIEU OF
INFO.	INFORMATION
INT.	INTERIOR
INSUL.	INSULATION
JST.	JOIST
LAM.	LAMINATED
LAV.	LAVATORY
L.H.	LEFT HAND
LOCN.	LOCATION
L.P.	LOW POINT
LVL.	LAMINATED VENEER LUMBER
MAS.	MASONRY
MATL.	MATERIAL
MAX.	MAXIMUM
M.D.F.	MEDIUM DENSITY FIBERBOARD
M.D.O.	MEDIUM DENSITY OVERLAY
MECH.	MECHANICAL
MIN.	MINUMUM
MFR.	MANUFACTURER
MFRS.	MANUFACTURER'S
MFRD.	MANUFACTURED
MLWK.	MILLWORK
M.	METER
MM.	MILLIMETER
M.O.	MASONRY OPENING
MTL.	METAL
MULL.	MULLION
N.I.C.	NOT IN CONTRACT
NO.	NUMBER
NOM.	NOMINAL
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
O.F.C.I.	OWNER FURNISHED, CONTRACTOR TO INSTALL
OPNG.	OPENING
OPP.	OPPOSITE
PL.	PLATE
P.LAM.	PLASTIC LAMINATE
PLBG	PLUMBING
PLYWD.	PLYWOOD
POL.	POLISHED
PR.	PAIR
PRE-FAB.	PRE-FABRICATED
PRE-FIN.	PRE-FINISHED
PRES. TRTD.	PRESSURE TREATED
PT.	PAINT
PTD.	PAINTED
P.V.C.	POLYVINYL CHLORIDE
R.	RISER
RAD.	RADIUS
RECIRC.	RECIRCULATING
REINF.	REINFORCING
REQD.	REQUIRED
REQTS.	REQUIRMENTS
R.H.	RIGHT HAND
R.O.	ROUGH OPENING
RM.	ROOM
S.C.	SOLID CORE
SCHED.	SCHEDULE
S.F.	SQUARE FEET
SHT.	SHEET
SHTG.	SHEATHING
SHT. MTL.	SHEET METAL
SHWR.	SHOWER
SIM.	SIMILAR
S.S.	STAINLESS STEEL
STD.	STANDARD
STL.	STEEL
STRUCT.	STRUCTURAL
SUBFLR.	SUBFLOOR
S4S	SMOOTH FOUR SIDES
T.	TREAD
TEMP.	TEMPERED
T&G	TONGUE AND GROOVE
THK.	THICK
TRANS.	TRANSPARENT
T.O.	TOP OF
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
V.B.	VAPOR BARRIER
V.C.T.	VINYL COMPOSITION TILE
VERT.	VERTICAL
V.I.F.	VERIFY IN FIELD
W.C.	WATER CLOSET
WD.	WOOD
WDW.	WINDOW
WHPL.	WHIRLPOOL
W.W.F.	WELDED WIRE FABRIC
YD.	YARD

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STATE OF MISSOURI
WILLIAM D. WARNER
NUMBER A-2025012951
ARCHITECT

DATE: 04/25/2025
EXP. DATE: 12/31/2025

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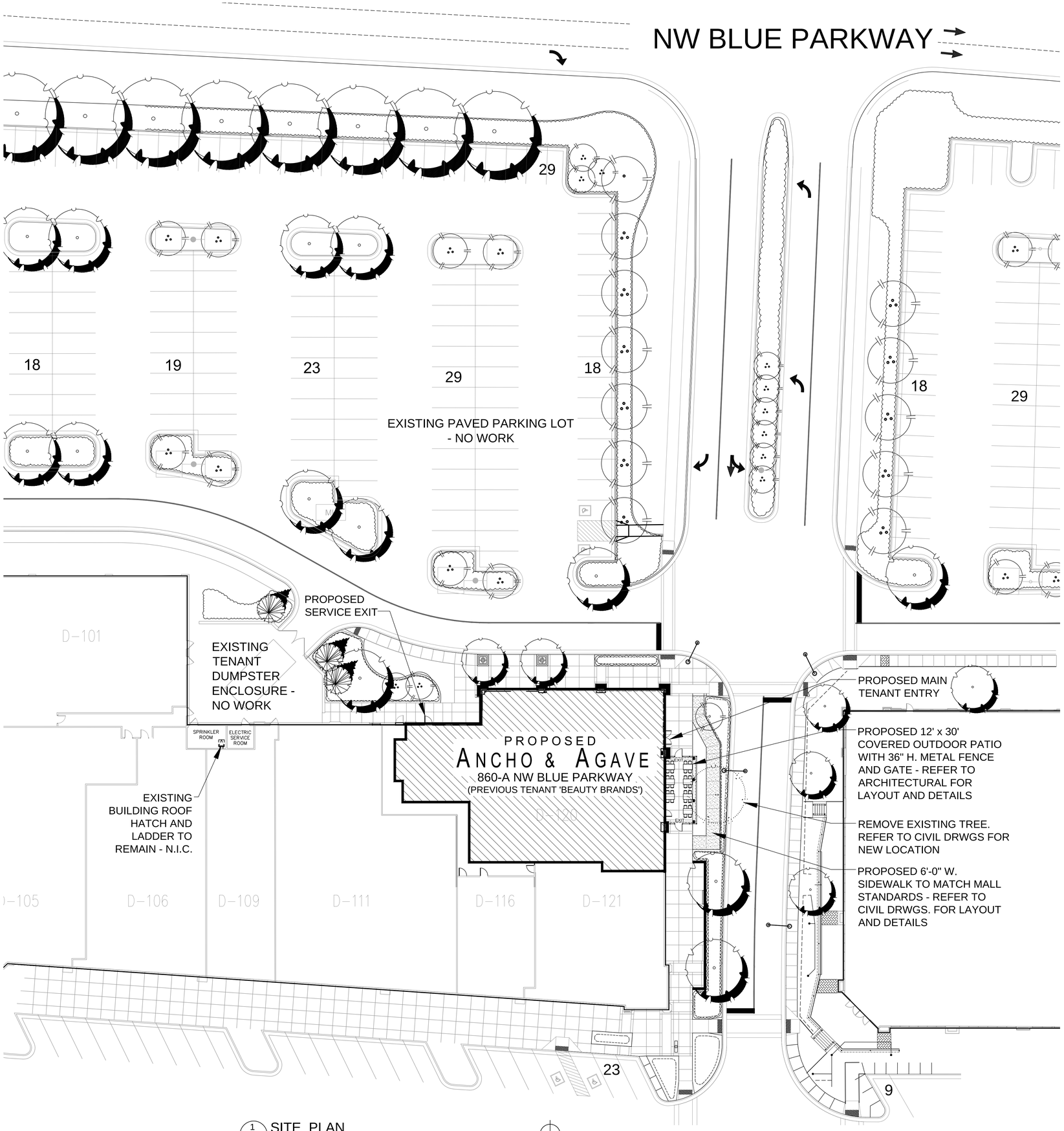
DRAWING ABBREVIATION, LEGEND, AND SYMBOLS

JOB NO: ANCHO - SUMMIT FAIR
DATE: 04.25.2025
SHEET NO: A0.0



1 A0.1 SITE PLAN
1/16" = 1'-0"

0' 2' 4' 8' 16'

N

BUILDING DATA

TYPE OF CONSTRUCTION:	II B (EXISTING)
USE GROUP:	M, MERCANTILE (PREVIOUS TENANT - BEAUTY BRANDS SALON) A-2, ASSEMBLY (PROPOSED - ANCHO AND AGAVE RESTAURANT)
NUMBER OF STORIES:	ONE STORY (EXISTING - NO CHANGE)
BUILDING HEIGHT:	24'-0", (EXISTING - NO CHANGE)
BUILDING (TENANT) AREA:	7,500 SF
EXTERIOR WALL FIRE RATING:	0 HR, (EXISTING - NO CHANGE)
SPRINKLERED:	EXISTING - TO BE MODIFIED FOR NEW OCCUPANCY
FIRE ALARM:	EXISTING - TO BE MODIFIED FOR NEW OCCUPANCY

SITE PARKING CALCULATIONS

PARKING REQUIREMENTS:
- RESTAURANT (eating establishment): 5 PARKING SPACE PER EACH 1,000 S.F. (for large shopping center)
  7,500 GROSS S.F. : 7,500 S.F./1,000 = 7.5 x 5 = 38 PARKING SPACES

EXISTING PARKING ON SITE:	OVER 200 SPACES WITHIN 300 FT. OF RESTAURANT ENTRY
HANDICAP SPACES:	2 EXISTING SPACES ADJACENT TO BUILDING ENTRY
PARKING PROVIDED:	EXISTING - NO CHANGE

SITE PLAN IS DIAGRAMMATIC IN NATURE
AND IS FOR VISUAL REFERENCE ONLY.
DO NOT USE FOR ACCURATE LOCATING
OR SURVEY PURPOSES.

NOTE: BUILDING IS EQUIPPED WITH AN EXISTING APPROVED AUTOMATIC SPRINKLER SYSTEM COMPLYING WITH N.F.P.A. 13 2010 EDITION

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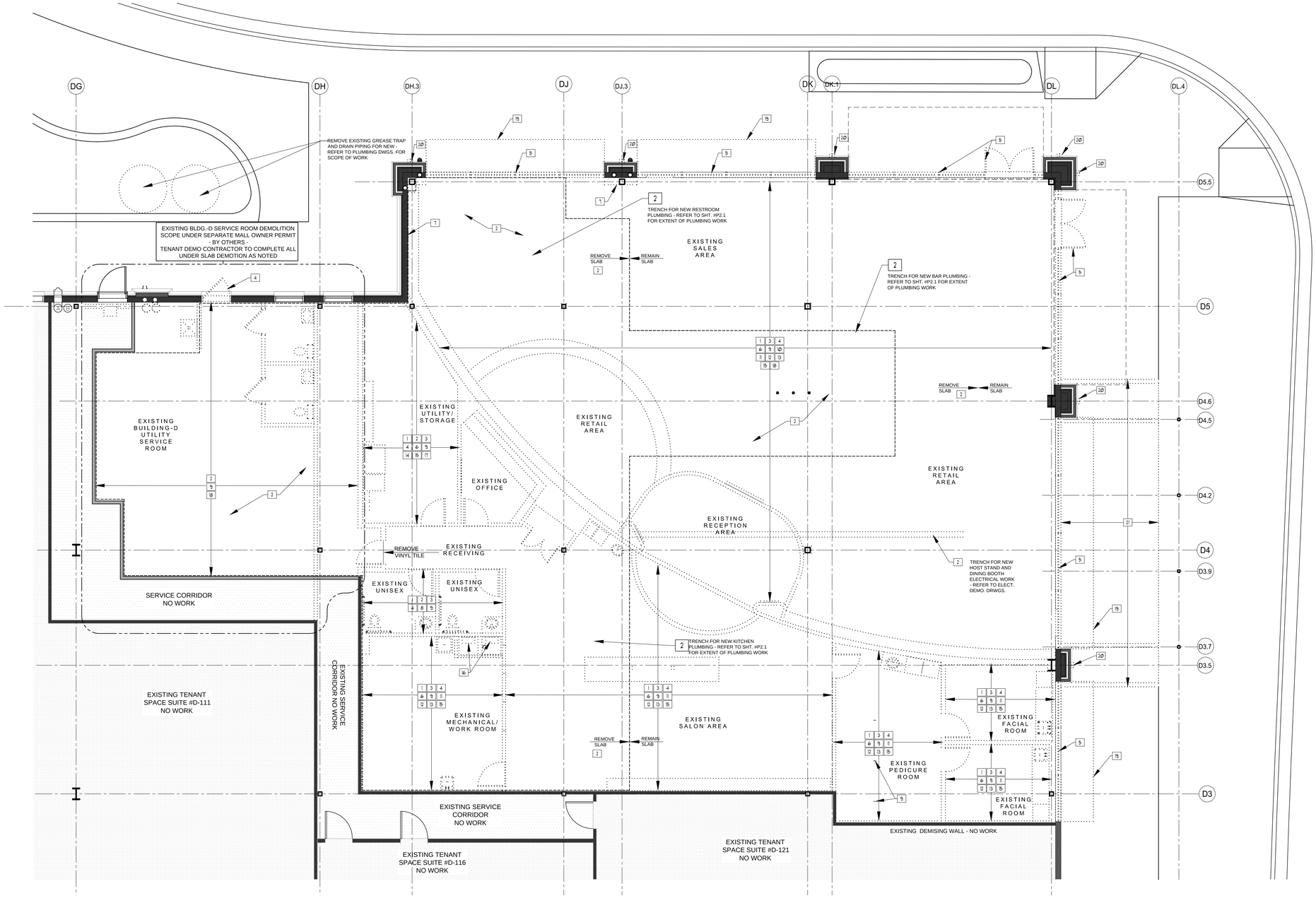
SITE PLAN

JOB NO: ANCHO - SUMMIT FAIR
DATE: 04.25.2025
SHEET NO: A0.1



DEMO PLAN KEYED NOTES:

- * REMOVE EXISTING EQUIPMENT, FINISHES, OR PLUMBING/ELECTRICAL/MECHANICAL FIXTURES
- 1 REMOVE ANY EXISTING FLOOR FINISH (SEE DEMO NOTE #XX). EXISTING CONCRETE SLAB TO REMAIN AS NOTED. VERIFY IF LEVEL FOR FLOOR. FIX/REPAIR CONCRETE SLAB AS NEEDED. REMOVE SLAB AS NEEDED FOR NEW PLUMBING FIXTURES & DRAINS TO BE INSTALLED. REFER TO PLUMBING AND KITCHEN DRAWINGS FOR DRAIN LOCATIONS. COORDINATE WITH PLUMBING CONTRACTOR.
  VERIFY EXISTING SPACE DIMENSIONS AFTER DEMOLITION & VERIFY LOCATION OF ALL UTILITIES TO/THRU THE SPACE IN THE FIELD. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES WITH PLAN.
- 2 SAWCUT/REMOVE EXISTING CONCRETE FLOOR SLAB FOR NEW PLUMBING PIPING, FIXTURES, FLOOR AND TRENCH DRAINS, AND FLOOR SINKS. REFER TO PLUMBING AND ADE KITCHEN/BAR DRAWINGS FOR ALL DRAIN/PIPING LOCATIONS. COORDINATE WITH PLUMBING CONTRACTOR.
- 3 REMOVE EXISTING NON-LOAD BEARING WALL PARTITIONS ENTIRELY.
- 4 REMOVE EXISTING DOOR AND FRAME.
- 5 REMOVE EXISTING STOREFRONT WINDOW AND DOOR SYSTEM ENTIRELY. REFER TO DEMO ELEVATIONS FOR DEMO SCOPE.
- 6 REMOVE EXISTING DROPPED CEILING SYSTEMS, SOFFITS, AWNINGS, ELECT./MECH. DEVISES, AND CORRESPONDING FRAMING ENTIRELY.
- 7 REMOVE EXISTING INTERIOR DRYWALL FINISH 4'-0" A.F.F. TO STUDS FOR NEW WALL TILE FINISHES.
- 8 REMOVE EXISTING UNISEX TOILET ROOM PLUMBING, MECHANICAL, & ELECTRICAL FIXTURES, ACCESSORIES, WALL/FLOOR FINISHES, DRYWALL, DROPPED CEILING, AND BELOW SLAB PLUMBING SYSTEM ENTIRELY.
- 9 REMOVE UNDER SLAB PLUMBING DRAIN LINES ENTIRELY.
- 10 REMOVE UNDER SLAB ELECTRICAL CONDUIT, RECEPTACLE OUTLETS, AND WIRING ENTIRELY.
- 11 REMOVE EXISTING CASEWORK, COUNTER TOPS, SHELVES, HAND/UTILITY SINKS, PLUMBING AND ELECTRICAL FIXTURES.
- 12 REMOVE EXISTING VINYL FLOOR PLANK SYSTEM, CARPET, FLOOR TILE INCLUDING METAL TRANSITION STRIPS, GROUT AND ADHESIVES. EXISTING CONCRETE SLAB TO REMAIN U.N.O.. VERIFY SLAB SURFACE TO RECEIVE NEW FINISH FLOOR. FIX/PATCH/REPAIR CONCRETE
- 13 REMOVE EXISTING MECHANICAL DUCTWORK, GRILLES, REGISTERS, EXTENSIONS, AND CORRESPONDING EQUIPMENT FOR NEW.
- 14 REMOVE EXISTING DIMMER PANELS. REFER TO ELECT. DEMO DRWGS. FOR FULL SCOPE.
- 15 REMOVE EXISTING LIGHTING FIXTURES, CONDUIT, AND SWITCHES.
- 16 REMOVE EXISTING WATER HEATERS AND UTILITY CONNECTIONS. CAP ALL UTILITY LINES FOR NEW WORK.
- 17 REMOVE EXISTING ELECTRICAL PANELS AND SWITCHGEAR. - REFER TO ELECT. DRWGS.
- 18 EXISTING SPRINKLER SYSTEM TO REMAIN. MODIFY SYSTEM FOR NEW OPEN DINING/BAR AREAS AND COVERED OUTDOOR DINING REQUIREMENTS.
- 19 REMOVE EXISTING EXTERIOR CANVAS AWNINGS, METAL FRAMING, AND ALL FASTENERS. REFER TO EXTERIOR ELEV. DEMO. FOR SCOPE
- 20 REMOVE EXISTING EXTERIOR LIGHTING FOR NEW. REFER TO EXTERIOR DEMO FOR LOCATIONS. SAVE ALL FIXTURES FOR LANDLORD.
- 21 REMOVE EXISTING CONCRETE SIDEWALK AND BRICK PAVERS (SALVAGE FOR RE-INSTALL) FOR NEW PATIO. - REFER TO CIVIL DRWGS.

1 / A0.2 DEMOLITION FLOOR PLAN
3/16" = 1'-0"
0 1' 2' 4' 8'

GENERAL DEMOLITION NOTES:

1. COORDINATE WITH PROPER UTILITY COMPANY REMOVAL OF UTILITY SYSTEM PRIOR TO IT'S DISCONNECTION.
2. ALL UTILITY LINES TO BE PROPERLY CAPPED AND SEALED UNTIL NEW SUCH SAID SYSTEMS ARE INSTALLED.
3. FIELD VERIFY ALL EXISTING TENANT UTILITIES AND UTILITIES THAT PENETRATE DEMISING WALLS, CEILINGS, AND SLABS PRIOR TO REMOVAL.
4. DEMOLISH EXISTING CONSTRUCTION WHERE INDICATED ON THE DRAWINGS AND REQUIRED BY JOB CONDITIONS.
5. MAINTAIN EXIT AND ACCESS WAYS IN A CLEAN, UNOBSTRUCTED, AND PROPERLY ILLUMINATED MANNER AT ALL TIMES.
6. PROTECT SPACES AND WORK TO REMAIN FROM DUST, NOISE, AND DAMAGE. PROVIDE TEMPORARY ENCLOSURES TO INSURE THAT NO DUST LEAKAGE OR DAMAGE OCCURS TO THE TENANT UNIT AREAS OR BUILDING STRUCTURE. MAINTAIN SITE IN A CLOSED AND SECURE MANNER TO PREVENT THEFT, VANDALISM, AND UNAUTHORIZED ENTRY.
7. PROTECT EXISTING CONSTRUCTIONS AND ADJACENT TENANT SPACES THAT ARE DESIGNATED TO REMAIN. REMOVE DEMOLISHED ITEMS FROM SITE AND DISPOSE OF THEM IN A LEGAL MANNER.
8. CEASE OPERATIONS AND IMMEDIATELY NOTIFY THE TENANT AND BUILDING OWNER IF THE SAFETY OF EXISTING CONSTRUCTION APPEARS TO BE ENDANGERED AT ANY TIME. TAKE PRECAUTIONS TO SUPPORT SUCH ENDANGERED CONSTRUCTION AND DO NOT RESUME OPERATIONS UNTIL AUTHORIZED BY THE ARCHITECT.
9. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE ADEQUACY AND INSTALLATION OF ALL TEMPORARY SHORING SYSTEMS USED DURING THE REMOVAL OF ALL STRUCTURAL ELEMENTS, EXCEPT, AS OTHERWISE AGREED IN WRITTEN BY THE BUILDING DEPARTMENT AND ARCHITECT.
10. THE DRAWINGS DO NOT NECESSARILY INDICATE THE FULL EXTENT OF THE WORK REQUIRED TO BE PERFORMED. CONTRACTOR TO INSPECT THE EXISTING CONSTRUCTION CAREFULLY TO DETERMINE THE FULL EXTENT OF THE WORK TO BE PERFORMED AND THE PROBLEMS INVOLVED. NO EXTRA COMPENSATION WILL BE ALLOWED BECAUSE OF FAILURE TO ESTIMATE THE FULL EXTENT OF THE WORK
11. ALL WORK SHALL BE PERFORMED BY SKILLED AND PROPERLY EQUIPPED PERSONNEL. DEMOLITION AND REMOVAL OF ITEMS SCAFFOLD HIGH OR HIGHER SHALL BE LOWERED BY CONTROLLED METHODS, NOT BY THROWING OR DROPPING, PERFORM CUTTING AND STRIPPING SO THAT THE WORK TO REMAIN IS UNDAMAGED AND IN SUCH MANNER THAT THE NEW WORK CAN BE PROPERLY CONNECTED WITH IT.
12. DEMOLISH EXISTING CONSTRUCTION ONLY TO THE EXTENT NECESSARY FOR THE PROPER INSTALLATION OF NEW CONSTRUCTION AND JUNCTION WITH EXISTING WORK CUT BACK FINISHED SURFACES TO STRAIGHT, PLUMB AND LEVEL AS REQUIRED.
13. SAW-CUTTING SHALL BE PERFORMED BY EXPERIENCED CRAFTSMEN CUSTOMARILY ENGAGED IN AND PROPERLY EQUIPPED FOR THE PERFORMANCE OF THE TYPE OF WORK REQUIRED BY JOB CONDITIONS. PROVIDE WET VACUUM EQUIPMENT AS REQUIRED FOR CONTROL OF WASTE COOLING WATER.
14. REMOVE EXISTING CONSTRUCTION FOR INSTALLATION OF PIPING, CONDUIT AND TUBING AS REQUIRED BY PLUMBING, MECHANICAL AND ELECTRICAL TRADES.
15. DRILLING AND INSTALLING SLEEVES FOR PASSAGE OF PIPING CONDUIT AND TUBING SHALL BE DONE BY THE TRADE INSTALLING THE PIPING, CONDUIT OR TUBING.
16. REPAIR, RESTORE, REPLACE OR MAKE GOOD DAMAGE TO EXISTING CONSTRUCTION WHICH OCCURS AS A RESULT OF DEMOLITION OPERATIONS AT NO ADDITIONAL COST TO THE OWNER, THESE REPAIRS SHALL INCLUDE ANY ROOF PATCHING REQUIRED DUE TO DEMOLITION TO BE COORDINATED WITH LANDLORD AND LANDLORDS ROOFER.
17. ALL REMOVED MATERIAL, NOT OTHERWISE DESIGNATED, AND ALL DEBRIS BECOMES THE PROPERTY OF THE CONTRACTOR WHO SHALL REMOVE IT FROM THE SITE.
18. DO NOT ALLOW MATERIALS AND DEBRIS GENERATED BY DEMOLITION ACTIVITIES TO ACCUMULATE, REMOVE DAILY AND DISPOSE OF IN A LEGAL MATTER. NO ON-SITE SALE OR BURNING OF DEMOLISHED MATERIALS WILL BE PERMITTED.
19. LEAVE ALL SPACES BROOM CLEAN WITH ALL LEDGES AND CORNERS PROPERLY CLEANED.
20. CONTRACTOR TO PROTECT ADJACENT TENANT SPACES AND SHOPPING MALL COMMON SPACES FOR CONSTRUCTION DUST AND DEBRIS. NO MATERIALS MAYBE STORED AND/OR TEMPORARILY STAGE WITHIN COMMON AREAS.
21. GLASS: PROVIDE SUCH PROTECTION AS MAY BE REQUIRED TO PREVENT GLASS BREAKAGE AT NO ADDITIONAL COST, REPLACE IN KIND ALL BROKEN GLASS.
22. LOWERING MATERIAL PROVIDE HOISTS AND CHUTES AS REQUIRED TO LOWER REMOVED MATERIAL. THROWING, DROPPING OR PERMITTING THE FREE FALL OF MATERIAL AND DEBRIS FROM HEIGHTS WHICH WOULD CAUSE DAMAGE TO WORK TO REMAIN NOISE OR NUISANCE, OR EXCESSIVE DUST IS EXPRESSLY PROHIBITED.
23. PROTECTION OF PERSONNEL: ERECT SIGNS, BARRICADES AND SUCH OTHER FORMS OF WARNING AS MAY BE REQUIRED TO PREVENT THEM FROM PUTTING THEMSELVES IN THE WAY OF INJURY.
24. EXISTING WORK TO REMAIN: PROVIDE SUCH FORMS OF PROTECTION AS MAY BE NECESSARY TO PREVENT DAMAGE TO EXISTING WORK AND EQUIPMENT TO REMAIN.
25. DOORS AND HARDWARE: REMOVE CAREFULLY TO AVOID DAMAGE, INSOFAR AS POSSIBLE, LEAVE HARDWARE ATTACHED TO THE DOOR WHERE THIS IS NOT PRACTICAL PLACE ITEMS OF HARDWARE IN A CLOTH BAG ATTACHED TO THE DOOR.
26. PARTITIONS: REMOVE PARTITION FINISH, STUDS, PLATES AND SILLS. WHERE ONLY A PARTIAL RUN IS REMOVED, CUT BACK FINISH MATERIAL TO THE CENTER LINE OF THE NEXT ADJACENT SUPPORT TO REMAIN. LEAVE REMAINING MATERIAL WITH A CLEAN TERMINAL LINE WITH NO LOOSE MATERIAL ADHERING.
27. MECHANICAL, ELECTRICAL, PLUMBING: CAREFULLY REVIEW PLANS AND DETERMINE LINES TO BE REMOVED AND THOSE TO BE KEPT ACTIVE OR TO BE REACTIVATED. PROTECT LINES TO REMAIN. PROVIDE FOR MINIMUM SERVICE INTERRUPTION OF LINES TO REMAIN.
28. REMOVE FIXTURES AND EQUIPMENT AS INDICATED, WHEN INDICATED FOR REUSE, CLEAN, STORE AS DIRECTED AND PROTECT. IDENTIFY POINT OF REUSE.

LEGEND
- EXISTING CONSTRUCTION TO REMAIN
- EXISTING CONSTRUCTION TO BE REMOVED

NOTE:
ALL EXITS, EXISTING STRUCTURAL ELEMENTS, FIRE PROTECTION DEVICES AND SANITARY SAFEGUARDS SHALL BE MAINTAINED AT ALL TIMES DURING ALTERATIONS, REPAIRS OR ADDITIONS TO BUILDING STRUCTURE.

PEDESTRIANS SHALL BE PROTECTED DURING CONSTRUCTION, REMODELING AND DEMOLITION ACTIVITIES. SIGNS SHALL BE PROVIDED TO RE-DIRECT PEDESTRIAN TRAFFIC.

REQUIRED MEANS OF EGRESS AND ACCESSIBLE MEANS OF EGRESS SHALL BE MAINTAINED DURING CONSTRUCTION AND DEMOLITION, REMODELING OR ALTERATIONS AND ADDITIONS TO BUILDING.

NOTE: BUILDING IS EQUIPPED WITH AN EXISTING APPROVED AUTOMATIC SPRINKLER SYSTEM COMPLYING WITH N.F.P.A. 13 2010 EDITION

ISSUE FOR PERMIT

OWNER-RELEASE: I HAVE REVIEWED THESE DRAWINGS FOR DESIGN INTENT AND HEREBY CERTIFY THAT THEY CONFORM IN ALL RESPECTS TO MY DESIGN CRITERIA AND ARE APPROVED.

BY _____ DATE _____

THESE DRAWINGS MAY HAVE BEEN REPRODUCED AT A SIZE DIFFERENTLY THAN ORIGINALLY DRAWN. OWNER AND ARCHITECT ASSUME NO RESPONSIBILITY FOR USE OF INCORRECT SCALE.

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH CONSTRUCTION AND NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR CONFLICTS.

NO	DATE	DESCRIPTION
1	04.25.25	ISSUE FOR PERMIT

REFER TO SHT. #A0.3 FOR EXTERIOR ELEVATION DEMOLITION & NOTES

REFER TO SHT. # M2.0 FOR MECHANICAL DEMOLITION PLAN AND NOTES.

REFER TO SHT. #E4.0 FOR ELECTRICAL DEMOLITION PLAN AND NOTES.

REFER TO SHT. #K-4 FOR KITCHEN AND BAR DEMOLITION PLAN AND NOTES.

STATE OF MISSOURI
WILLIAM D. WARNER
NUMBER A-2025012951
ARCHITECT
DATE: 04/25/2025
EXP. DATE: 12/31/2025

ANCHO & AGAVE
SUMMIT FAIR SHOPPING CENTER
D-BUILDING
860-A NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086

CARR WARNER
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3711 N. RAVENSWOOD
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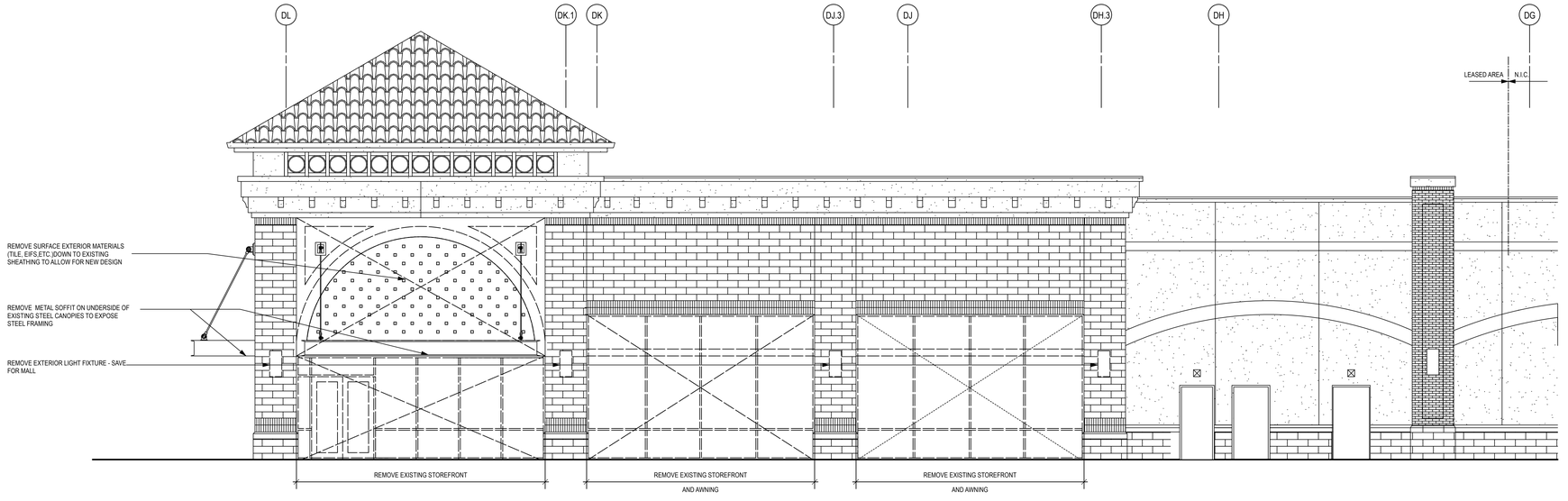
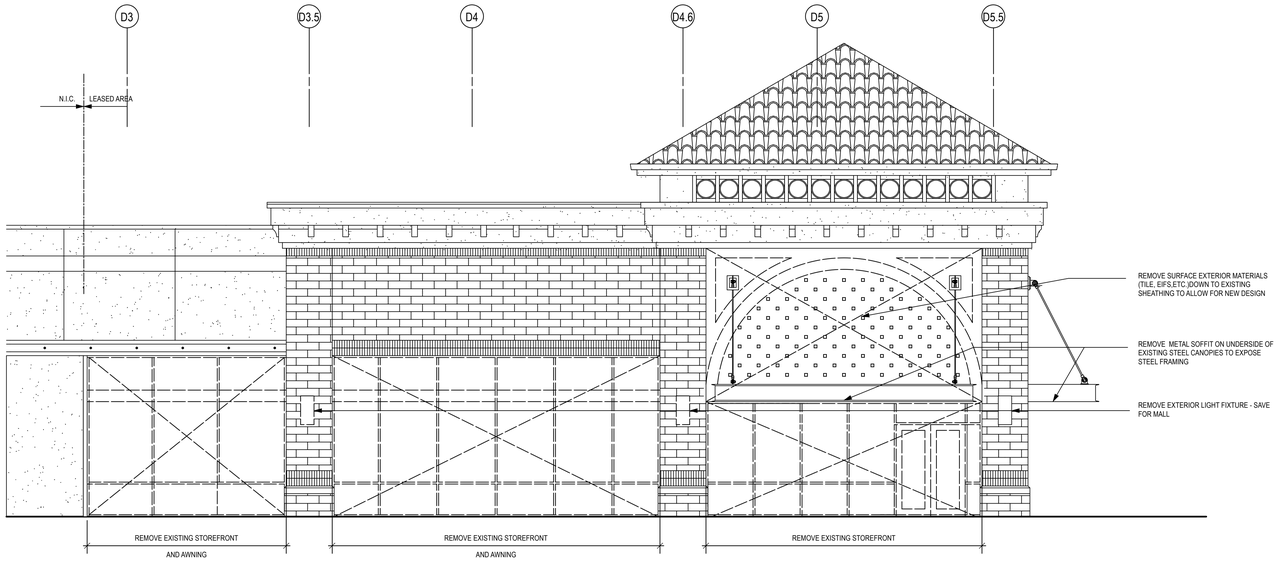
p 773-477-9009
f 773-477-6888
www.carrwarner.com

INTERIOR DEMOLITION FLOOR PLAN

JOB NO: ANCHO - SUMMIT FAIR
DATE: 04.25.2025
SHEET NO: A0.2



B EXISTING EAST ELEV. - DEMOLLTION
3/16" = 1'-0"



A EXISTING SOUTH ELEV - DEMOLITION
3/16" = 1'-0"

ISSUE FOR PERMIT

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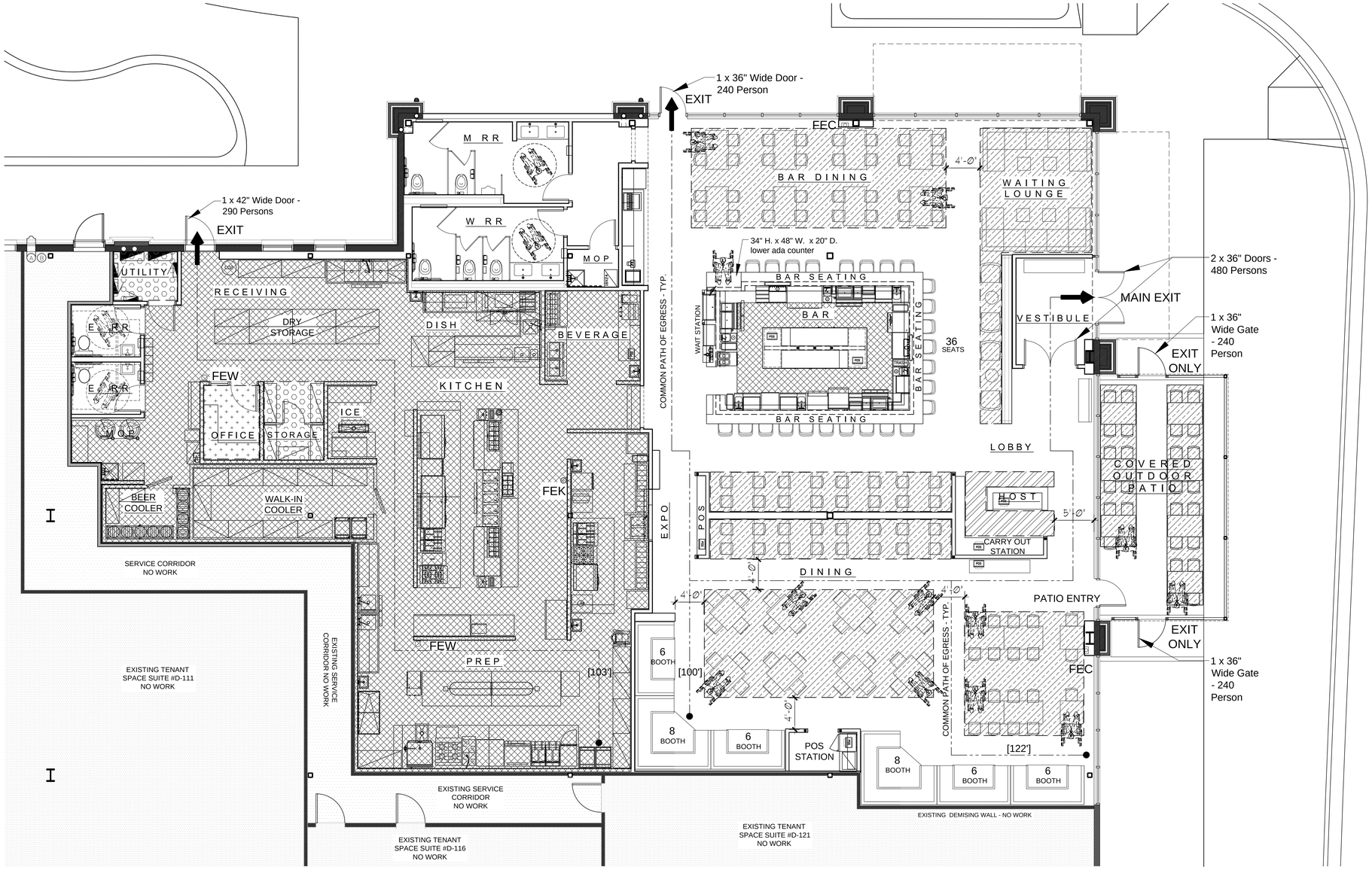
EXTERIOR DEMO ELEVATIONS

JOB NO: ANCHO - SUMMIT FAIR
DATE: 04.25.2025
SHEET NO: D-0.3



1 A1.1 BUILDING CODE & OCCUPANCY PLAN
3/16" = 1'-0"
0 1' 2' 4' 8'

PROJECT SCOPE:

- TENANT INTERIOR BUILD-OUT FOR A RESTAURANT (A-2) IN AN EXISTING ONE-STORY STEEL FRAME BUILDING WITH INTERIOR AND EXTERIOR MODIFICATIONS

APPLICABLE CODES: per the CITY OF LEE'S SUMMIT

- 2018 International Building Code
- 2018 International Property Maintenance Code
- 2018 International Fire Code
- 2018 International Fuel Gas Code
- 2018 International Mechanical Code
- 2018 International Plumbing Code
- 2018 International Existing Building Code
- 2017 National Electric Code (NFPA 70)
- 2018 Life Safety Code (NFPA 101)
- National Fire Code (NFPA), Current Edition
- Missouri State Plumbing Code, Current Edition
- ICC/ANSI A117.1-2009, ACCESSIBLE and USEABLE BUILDINGS and FACILITIES
- Local Amendments per Lee's Summit Municipal Code

OCCUPANCY CLASSIFICATION: (2018 IBC - SECTION 303.1)

- PREVIOUS TENANT: MERCANTILE GROUP M RETAIL (BEAUTY BRANDS SALON & SPA)
- PROPOSED: ASSEMBLY GROUP A-2 RESTAURANT

CONSTRUCTION TYPE:

TYPE II-B NON-COMBUSTABLE (EXISTING - NO CHANGE)

ALLOWABLE HEIGHT & BUILDING AREA: (2018 IBC - TABLE 503)

- ALLOWABLE BUILDING AREA (II-B, S1) = 9,500 SF
- SPRINKLER INCREASE (SECTION 506.3 300% ONE STORY) TOTAL ALLOWABLE BUILDING AREA = 28,500 SF
- 7,500 SF TENANT GROSS FLOOR AREA
- ALLOWABLE BUILDING HEIGHT (II-B) = 75 FEET
- ACTUAL BUILDING HEIGHT: 24'-0" (EXISTING - NO CHANGE)
- ALLOWABLE NUMBER OF STORIES (II-B) = 3 STORIES (2 + 1 SPRINKLER)
- ACTUAL NUMBER OF STORIES: 1 STORY (EXISTING - NO CHANGE)

FIRE RESISTANCE RATINGS: (2018 IBC - TABLE 601)

	REQUIRED	PROVIDED
STRUCTURAL FRAME:	0 HR	0 HR
EXTERIOR WALLS - BEARING:	0 HR	0 HR
EXTERIOR WALLS - NON-BEARING:	0 HR	0 HR
INTERIOR WALLS - BEARING:	0 HR	0 HR
INTERIOR WALLS/PARTITIONS - NON-BEARING:	0 HR	0 HR
FLOOR CONSTRUCTION:	0 HR	0 HR
ROOF CONSTRUCTION:	0 HR	0 HR

* BUILDING IS ONE STORY EQUIPPED WITH AUTOMATIC SPRINKLER SYSTEM

INTERIOR FINISH REQUIREMENTS: (2018 IBC - TABLE 803.5)
(SPRINKLERED) ALL INTERIOR FINISHES SHALL COMPLY WITH CHAPTER 8 OF THE 2018 IBC

- EXIT ENCLOSURES & EXIT PASSAGEWAYS: CLASS B
- CORRIDORS: CLASS B
- ROOMS & ENCLOSED SPACES: CLASS C

OCCUPANCY LOAD: (2018 IBC - TABLE 1004.1.1)

OCCUPANCY LOAD CALCULATIONS

ASSEMBLY - NON-FIXED SEATING UN-CONCENTRATED
1 PERSON PER 15 NET S.F.
NET AREA: 1,349 SF / 15 = 90

ASSEMBLY - FIXED SEATING BOOTH/BANQUETTE
1 PERSON PER 24" BACKSEAT
TOTAL LINEAR INCHES = 1296 LI
960 LI / 24 = 40

ASSEMBLY - FIXED SEATING BAR
1 PERSON PER 18" BACKSEAT
TOTAL LINEAR INCHES = 654 LI
654 LI / 18 = 36

ASSEMBLY - STANDING SPACE
1 PERSON PER 5 NET SF
NET AREA: 55 SF / 5 = 11

KITCHEN, PREP, BAR (COMMERCIAL)
1 PERSON PER 200 GROSS S.F.
GROSS AREA: 2713 SF / 200 = 14

OFFICE
1 PERSON PER 100 GROSS S.F.
GROSS AREA: 55 SF / 100 = 1

UTILITY/STORAGE
1 PERSON PER 300 GROSS S.F.
GROSS AREA: 102 SF / 300 = 1

TOTAL BUILDING OCCUPANT LOAD = 193 PERSONS

ASSEMBLY (PATIO) - NON-FIXED SEATING UN-CONCENTRATED
1 PERSON PER 15 NET S.F.
NET AREA: 175 SF / 15 = 12

TOTAL OCCUPANT LOAD (BUILDING & PATIO) = 205 PERSONS

OCCUPANCY LOAD LEGEND:

- ASSEMBLY - NON-FIXED SEATING: 1 PERSON PER 15 NET S.F.
- ASSEMBLY - STANDING SPACE: 1 PERSON PER 5 NET S.F.
- KITCHEN/BAR (COMMERCIAL): - 1 PERSON PER 200 GROSS S.F.
- OFFICE: - 1 PERSON PER 100 GROSS S.F.
- UTILITY/STORAGE: - 1 PERSON PER 300 GROSS S.F.

ANCHO & AGAVE BUILDING ANALYSIS:

BUILDING AREA: 7,500 S.F. GROSS FLOOR AREA

SQUARE FOOTAGE/SEATING SUMMARY:

DINING/EATING AREA: 2,800 S.F.
OCCUPANCY: 180 PERSONS
OF TABLES: 30 TABLES
OF CHAIRS: 116 CHAIRS
OF BOOTHS: 6 BOOTHS
OF BAR STOOLS: 25 STOOLS

LOUNGE/WAITING AREA: 120 S.F.
OCCUPANCY:14 PERSONS
OF TABLES: 2 TABLES
OF CHAIRS: 14 CHAIRS

ACTUAL NUMBER OF SEATS: 194 (INTERIOR)
REQUIRED H.C. SEATING 5% OF TOTAL = 10 SEATS
PROVIDED H.C. SEATING: = 10 SEATS

OUTSIDE COVERED PATIO AREA: 450 S.F.
OF TABLES: 7 TABLES
OF CHAIRS: 28 CHAIRS

ACTUAL NUMBER OF SEATS: 28 (OUTDOOR)
REQUIRED H.C. SEATING 5% OF TOTAL = 2 SEATS
PROVIDED H.C. SEATING: = 2 SEATS

PLUMBING FIXTURE TABLE (FOOD SERVICE ESTABLISHMENTS)
205 PERSONS /2 = 103 per SEX

SEX	PLUMBING FIXTURE TYPE	FIXTURE CALCULATION	CODE QUANTITY	PROVIDED
MALE	WATER CLOSETS	1 per 75	2	2
	URINALS	1-150	1	1
	LAVATORIES	1 per 200	1	2
FEMALE	WATER CLOSETS	1 per 75	2	3
	LAVATORIES	1 per 200	1	2
	DRINKING FOUNTAIN	NR, WATER IS SERVED		
	SERVICE SINK	MOP SINK	1	1

NOTE: PROVIDED EMPLOYEE TOILET ROOM NOT INCLUDED IN PLUMBING FIXTURE CALCULATION

MISSOURI PLUMBING CODE 2018 SECTION 403.1
MINIMUM NUMBER OF PLUMBING FIXTURES

TENANT/OWNER TO PROVIDE A DURABLE OCCUPANT LOAD SIGN POSTED IN A PROMINENT LOCATION OF THE ENTRY VESTIBULE EXIT AREA, AS REQUIRED PER NFPA 101. VERIFY LOCATION WITH FIRE CODE INSPECTOR.

FIRE PROTECTION SYMBOLS:

FEC RECESSED FIRE EXTINGUISHER CABINET - BY POTTER ROEMER #SS-1702-F-#6-FP-VAB-R mounting height 48" a.f.f. to cabinet door handle (STAINLESS STEEL, RECESSED MOUNTED, FLUSH SOLID METAL PANEL, #6 DULL SATIN FINISH, FLUSH PULL HANDLE, VERTICAL ASCENDING BLACK REVERSE DIE CUT LETTERING) FOR USE WITH POTTER ROEMER EXTINGUISHER #3005-3, DRY CHEMICAL 2A 40B:C

FEK WALL MOUNTED TYPE 'K-CLASS' WET CHEMICAL FIRE EXTINGUISHER AND WALL BRACKET BY 'POTTER-ROEMER' #3263 mounting height 48" a.f.f. to top of extinguisher

FEW WALL MOUNTED TYPE 'ABC' EXTINGUISHER AND WALL BRACKET BY 'POTTER-ROEMER' #3005, DRY CHEMICAL 2A 10B:C mounting height 48" a.f.f. to top of extinguisher

NOTE:
COORDINATE ALL FIRE EXTINGUISHER LOCATIONS WITH LOCAL FIRE DEPARTMENT

NOTE: BUILDING IS EQUIPPED WITH AN EXISTING APPROVED AUTOMATIC SPRINKLER SYSTEM COMPLYING WITH N.F.P.A. 13 2010 EDITION

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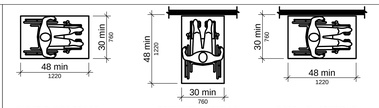
CODE REVIEW: OCCUPANCY, EGRESS, FIXTURE COUNT

JOB NO: ANCHO - SUMMIT FAIR
DATE: 04.25.2025
SHEET NO: A1.1

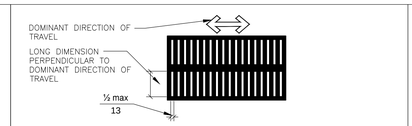
Convention	Description
36 / 915	dimension showing English units (in inches unless otherwise specified) above the line and SI units (in millimeters unless otherwise specified) below the line
6 / 150	dimension for small measurements
33-36 / 840-915	dimension showing a range with minimum - maximum
min	minimum
max	maximum
>	greater than
≥	greater than or equal to
<	less than
≤	less than or equal to
	boundary of clear floor space or maneuvering clearance
	centerline
	a permitted element or its extension
	direction of travel or approach
	a wall, floor, ceiling or other element cut in section or plan
	a highlighted element in elevation or plan
	location zone of element, control or feature

1 — GRAPHIC CONVENTION FOR FIGURES
NTS



NOTES:
1. FLOOR SURFACES OF A CLEAR FLOOR SPACE SHALL HAVE A SLOPE NOT STEEPER THAT 1:48 AND SHALL COMPLY WITH FLOOR SURFACES.
2. UNLESS OTHERWISE SPECIFIED, CLEAR FLOOR SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE.
3. UNLESS OTHERWISE SPECIFIED, THE CLEAR FLOOR SPACE SHALL BE POSITIONED FOR EITHER FORWARD OR PARALLEL APPROACH TO AN ELEMENT.
4. ONE FULL UNOBSTRUCTED SIDE OF THE CLEAR FLOOR SPACE SHALL ADJOIN OR OVERLAP AN ACCESSIBLE ROUTE OR ADJOIN ANOTHER CLEAR FLOOR SPACE.
5. IF A CLEAR FLOOR SPACE IS IN AN ALCOVE OR OTHERWISE CONFINED ON ALL OR PART OF THREE SIDES. ADDITIONAL MANEUVERING CLEARANCES COMPLYING WITH MANEUVERING CLEARANCE IN ALCOVE.

2 — CLEAR FLOOR SPACE
NTS



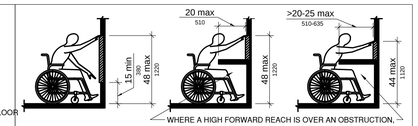
NOTES:
1. FLOOR AND GROUND SURFACES SHALL BE STABLE FIRM AND SLIP RESISTANT.
2. CARPET OR CARPET TILE SHALL BE SECURELY ATTACHED AND SHALL HAVE A FIRM CUSHION, PAD, OR BACKING OR NOT CUSHION OR PAD. CARPET OR CARPET TILE SHALL HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT PILE, OR LEVEL CUT/UNCUT PILE TEXTURE. EXPOSED EDGES OF CARPET SHALL BE FASTENED TO FLOOR SURFACES AND SHALL HAVE TRIM IN THE ENTIRE LENGTH OF THE EXPOSED EDGE. CARPET TRIM SHALL COMPLY WITH CHANGES IN LEVEL.

3 — FLOOR OR GROUND SURFACES/CHANGES IN LEVEL
NTS

NOTES:
1. DOORS ARE NOT PERMITTED TO SWING INTO CLEAR FLOOR SPACE.
2. FLOOR OR GROUND SURFACES OF A CLEAR FLOOR OR GROUND SPACE SHALL COMPLY WITH FLOOR AND GROUND SURFACES AND CHANGES IN LEVEL ARE NOT PERMITTED.

NOTES:
1. UNLESS OTHERWISE SPECIFIED, DOORS SHALL BE PERMITTED TO SWING INTO TURNING SPACES.
2. EACH ARM OF THE T-SHAPED SPACE SHALL BE CLEAR OF OBSTRUCTIONS 12 INCHES MINIMUM IN EACH DIRECTION AND THE BASE SHALL BE CLEAR OF OBSTRUCTIONS 24 INCHES MINIMUM. THE SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE ONLY AT THE END OF EITHER THE BASE OR ONE ARM.

4 — TURNING SPACE/CLEAR FLOOR OR GROUND SPACE
NTS

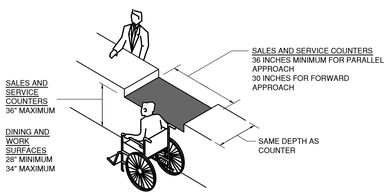


WHERE A HIGH FORWARD REACH IS OVER AN OBSTRUCTION, THE CLEAR FLOOR SPACE SHALL EXTEND BENEATH THE ELEMENT FOR A DISTANCE NOT LESS THAN THE REQUIRED REACH DEPTH OVER THE OBSTRUCTION.

NOTES:
1. A CLEAR FLOOR OR GROUND SPACE SHALL BE PROVIDED.
2. OPERABLE PARS SHALL BE PLACED WITHIN ONE OR MORE OF THE REACH RANGES
3. OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING IF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS MAXIMUM.

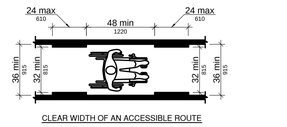
5 — REACH RANGES
NTS

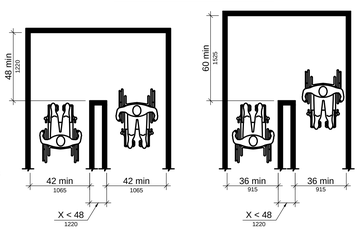
1. WHERE DINING SURFACES ARE PROVIDED FOR THE CONSUMPTION OF FOOD OR DRINK, AT LEASE 5 PERCENT OF THE SEATING SPACES AND STANDING SPACES AT THE DINING SURFACES SHALL COMPLY. IN ADDITION, WHERE WORK SURFACES ARE PROVIDED FOR USE BY OTHER THAN EMPLOYEES, AT LEASE 5 PERCENT SHALL COMPLY.
2. DINING SURFACES AND WORK SURFACES REQUIRED TO COMPLY SHALL BE DISPERSED THROUGHOUT THE SPACE OR FACILITY CONTAINING DINING SURFACES AND WORK SURFACES.
3. WHERE PROVIDED, CHECK-OUT AISLES, SALES COUNTERS., SERVICE COUNTERS, FOOD SERVICE LINES, QUEUES, AND WAITING LINES SHALL COMPLY



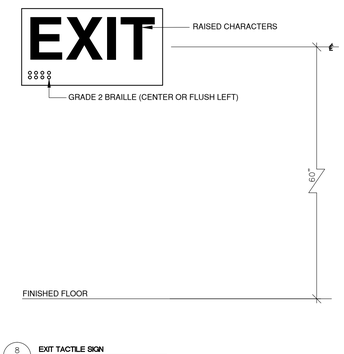
6 — DINING AND WORK SURFACES
NTS

NOTES:
1. AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ACCESSIBLE BUILDINGS, ACCESSIBLE FACILITIES, ACCESSIBLE ELEMENTS , AND ACCESSIBLE SPACES THAT ARE REQUIRED ON THE SAME SITE. EXCEPTION: AN ACCESSIBLE ROUTE SHALL NOT BE REQUIRED BETWEEN ACCESSIBLE BUILDINGS, ACCESSIBLE FACILITIES, ACCESSIBLE ELEMENTS, AND ACCESSIBLE SPACES IF THE ONLY MEANS OF ACCESS BETWEEN THEM IS A VEHICULAR WAY NOT PROVIDING PEDESTRIAN ACCESS.
2. ACCESSIBLE ROUTES SHALL CONSIST OF ONE OR MORE OF THE FOLLOWING COMPONENTS; WALKING SURFACES WITH A SLOPE NOT STEEPER THAN 1:20, DOORS AND DOORWAYS, RAMPS, CURB RAMPS EXCLUDING THE FLARED SIDES, ELEVATORS, AND PLATFORM LIFTS.
3. REVOLVING DOORS, REVOLVING GATES AND TURNSTILES SHALL NOT BE APART OF AN ACCESSIBLE ROUTE.
4. ACCESSIBLE ROUTES SHALL COMPLY WITH FLOOR AND GROUND SURFACES.
5. ACCESSIBLE ROUTS SHALL COMPLY WITH CHANGES IN LEVEL.
6. THE RUNNING SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:20. THE CROSS SLOPE OF A WALKING SURFACE SHALL NOT BE STEEPER THAN 1:48
7. AN ACCESSIBLE ROUTE WITH A CLEAR WIDTH LESS THAN 60 INCHES SHALL PROVIDE PASSING SPACES AT INTERVALS OF 200 FEET MAXIMUM. PASSING SPACES SHALL BE EITHER A 60 INCH MINIMUM BY 60 INCH MINIMUM SPACE , OR AN INTERSECTION OF TWO WALKING SURFACES THAT PROVIDE A T-SHAPED TURNING SPACE COMPLYING TURNING SPACE PROVIDED THE BASE AND ARMS OF THE T-SHAPED SPACE EXTEND 48 INCHES MINIMUM BEYOND THE INTERSECTION.
8. EMPLOYEE WORK AREAS; COMMON USE CIRCULATION PATHS WITHIN EMPLOYEE WORK AREAS SHALL BE ACCESSIBLE ROUTES. EXCEPTION; COMMON USE CIRCULATION PATHS, LOCATED WITHIN EMPLOYEE WORK AREAS THAT ARE LESS THAN 300 SQUARE FEET IN SIZE AND DEFINED BY PERMANENTLY INSTALLED PARTITIONS, COUNTERS, CASEWORK OR FURNISHINGS, SHALL NOT BE REQUIRED TO BE ACCESSIBLE ROUTES.
9. MULTILEVEL BUILDINGS: AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT EACH ACCESSIBLE LEVEL, INCLUDING MEZZANINES, IN MULTILEVEL BUILDINGS AND FACILITIES. EXCEPTIONS: AN ACCESSIBLE ROUTE SHALL NOT BE REQUIRED TO STORIES AND MEZZANINES ABOVE AND BELOW ACCESSIBLE LEVELS THAT HAVE AN AGGREGATE AREA OF NOT MORE THAN 3,000 SQUARE FEET, THIS EXCEPTION SHALL NOT APPLY TO MULTIPLE TENANT FACILITIES OF GROUP M OCCUPANCIES CONTAINING FIVE OR MORE TENANT SPACES.





7 — ACCESSIBLE ROUTES
NTS



1. CHARACTERS ON SIGNS SHALL BE RAISED 1/32" MIN. AND HAVE A WIDTH TO HEIGHT RATIO OF BETWEEN 3:5 AND 1:1 AND A STROKE WIDTH TO HEIGHT RATIO OF BETWEEN 1:5 AND 1:10. THE MINIMUM CHARACTER HEIGHT SHALL BE 5/8" MIN. AND 2" MAX. AND SANS-SHERIF UPPER CASE.
2. GRADE 2 BRAILLE DOTS SHALL BE 1/10" ON CENTER IN EACH CELL WITH 2/10" SPACE BETWEEN CELLS, MEASURED FROM THE SECOND COLUMN OF DOTS IN THE FIRST CELL TO THE FIRST COLUMN OF DOTS IN THE SECOND CELL. DOTS SHALL BE RAISED A MINIMUM OF 1/40" ABOVE THE BACKGROUND.
3. SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH OUTSIDE THE DOOR. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE, INCLUDING DOUBLE LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL, PREFERABLY TO THE RIGHT.

WHERE REQUIRED: TACTILE EXIT SIGNS SHALL BE REQUIRED AT THE FOLLOWING LOCATIONS:

1. EACH GRADE-LEVEL EXTERIOR EXIT DOOR SHALL BE IDENTIFIED BY A TACTILE EXIT WITH THE WORD, "EXIT".
2. EACH EXIT DOOR THAT LEADS DIRECTLY TO A GRADE-LEVEL EXTERIOR EXIT BY MEANS OF A STAIRWAY OR RAMP SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE FOLLOWING WORDS AS APPROPRIATE:
   A. "EXIT STAIRS DOWN"
   B. "EXIT RAMP DOWN"
   C. "EXIT STAIRS UP"
   D. "EXIST RAMP UP"
3. EACH EXIT DOOR THAT LEADS DIRECTLY TO A GRADE-LEVEL EXTERIOR EXIT BY MEANS OF AN EXIT ENCLOSURE OR AN EXIT PASSAGEWAY SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS, "EXIT ROUTE".
4. EACH EXIT ACCESS DOOR FROM AN INTERIOR ROOM OR AREA TO A CORRIDOR OR HALLWAY THAT IS REQUIRED TO HAVE A VISUAL EXIT SIGN, SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS, "EXIT ROUTE".
5. EACH EXIT DOOR THROUGH A HORIZONTAL EXIT SHALL BE IDENTIFIED BY A SIGN WITH THE WORDS, "TO EXIT".

8 — EXIT TACTILE SIGN
NTS

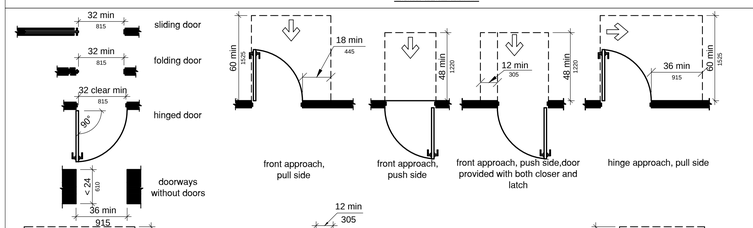
NOTES:
1. FIRE ALARM SYSTEMS SHALL HAVE PERMANENTLY INSTALLED AUDIBLE AND VISIBLE ALARMS COMPLYING WITH NFPA 72 (1999 OR 2002 EDITION) EXCEPT THAT THE MAXIMUM ALLOWABLE SOUND LEVEL OF AUDIBLE NOTIFICATION APPLIANCES COMPLYING WITH SECTION 4-3.2.1 OF NFPA 72 (1999 EDITION) SHALL HAVE A SOUND LEVEL NO MORE THAT 110DB AT THE MINIMUM HEARING DISTANCE FROM THE AUDIBLE APPLIANCE.
2. WHERE BOTH VISUAL AND TACTILE CHARACTERS ARE REQUIRED, WHETHER ON SIGN WITH BOTH VISUAL AND TACTILE CHARACTERS, OR TWO SEPARATE SIGNS, ONE WITH VISUAL, AND ONE WITH TACTILE CHARACTERS, SHALL BE PROVIDED.
3. RAISED CHARACTERS SHALL BE 1/32 INCH MINIMUM ABOVE THEIR BACKGROUND.
4. CHARACTERS SHALL BE SANS SERIF. CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIP, HIGHLY DECORATIVE OR OF OTHER UNUSUAL FORMS.
5. CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 55 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I".
6. CHARACTER HEIGHT MEASURED VERTICALLY FORM THE BASELINE OF THE CHARACTER SHALL BE 5/8 INCH MINIMUM AND 2 INCHES MAXIMUM BASED ON THE HEIGHT OF THE UPPERCASE LETTER "I". EXCEPTION; WHERE SEPARATE RAISED AND VISUAL CHARACTERS WITH THE SAME INFORMATION ARE PROVIDED, RAISED CHARACTER HEIGHT SHALL BE PERMITTED TO BE 1/2 INCH MINIMUM.
7. STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 15 PERCENT MAXIMUM OF THE HEIGHT OF THE CHARACTER.
8. CHARACTER SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT RAISED CHARACTERS WITHIN A MESSAGE, EXCLUDING WORD SPACES, WHERE CHARACTERS HAVE RECTANGULAR CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/8 INCH MINIMUM AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM. WHERE CHARACTERS HAVE OTHER CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/16 INCH MINIMUM AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM AT THE BASE OF THE CROSS SECTIONS , AND 1/8 INCH MINIMUM AND 4 TIME THE RAISED CHARACTER STROKE WIDTH MAXIMUM AT THE TOP OF THE CROSS SECTIONS. CHARACTERS SHALL BE SEPARATED FROM RAISED BORDERS AND DECORATIVE ELEMENTS 3/8" MINIMUM.
9. SPACING BETWEEN THE BASELINES IF SEPARATE LINES OF RAISED CHARACTERS WITHIN A MESSAGE SHALL BE 135 PERCENT MINIMUM AND 170 PERCENT MAXIMUM OF THE RAISED CHARACTER HEIGHT.
10. BRAILLE SHALL BE CONTRACTED (GRADE 2).
11. BRAILLE DOTS SHALL HAVE A DOMED OR ROUNDED SHAPE AND SHALL COMPLY WITH TABLE 703.3.1. THE INDICATION OF AN UPPERCASE LETTER OR LETTERS SHALL ONLY BE USED BEFORE THE FIRST WORK OF SENTENCES, PROPER NOUNS AND NAMES, INDIVIDUAL LETTERS OF THE ALPHABET, INITIALS, AND ACRONYMS.
12. BRAILLE SHALL BE POSITIONED BELOW THE CORRESPONDING TEXT, IF TEXT IS MULTI-LINED, BRAILLE SHALL BE PLACED BELOW THE ENTIRE TEXT. BRAILLE SHALL BE SEPARATED 3/8 INCH MINIMUM FORM RAISED BORDERS AND DECORATIVE ELEMENT. EXCEPTION; BRAILLE PROVIDED ON ELEVATOR CAR CONTROLS SHALL BE SEPARATED 3/16 INCH MINIMUM AND SHALL BE LOCATED EITHER DIRECTLY BELOW OR ADJACENT TO THE CORRESPONDING RAISED CHARACTERS OR SYMBOLS.
13. TACTILE CHARACTERS FOR ELEVATORS SHALL NOT BE REQUIRED TO BE MOUNTED BETWEEN 48 INCHES AND 60 INCHES.
14. WHERE A TACTILE SIGN IS PROVIDED AT A DOOR, THE SIGN SHALL BE LOCATED ALONGSIDE THE DOOR AT THE LATCH SIDE. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAFS, THE SIGN SHALL BE LOCATED TO THE RIGHT OF THE RIGHT HAND DOOR. WHERE THERE IS NO WALL SPACE AT THE LATCH SIDE OF A SINGLE DOOR OR AT THE RIGHT SIDE OF DOUBLE DOORS, SIGN SHALL BE LOCATED ON THE NEAREST ADJACENT WALL. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 18 INCHES MINIMUM BY 18 INCHES MINIMUM, CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREES OPEN POSITION. EXCEPTION; SIGNS WITH TACTILE CHARACTERS SHALL BE PERMITTED ON THE PUSH SIDE OF DOORS WITH CLOSERS AND WITHOUT HOLD-OPEN DEVICES.
15. CHARACTERS AND THEIR BACKGROUNDS SHALL HAVE A NON-GLARE FINISH. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR CARK CHARACTERS ON A LIGHT BACKGROUND.
16. CHARACTERS SHALL BE UPPERCASE OR LOWERCASE OR A COMBINATION OF BOTH.

BRAILLE DIMENSIONS

MEASUREMENT RANGE	MINIMUM IN INCHES MAXIMUM IN INCHES
DOT BASE DIAMETER	0.059 (1.5MM) TO 0.063 (1.6MM)
DISTANCE BETWEEN TWO DOTS IN THE SAME CELL	0.090 (2.3MM) TO 0.100 (2.5MM)
DISTANCE BETWEEN CORRESPONDING DOTS IN ADJACENT CELLS	0.241 (6.1MM) TO 0.300(7.6MM)
DOT HEIGHT	0.025 (0.6MM) TO 0.037 (0.9MM)
DISTANCE BETWEEN CORRESPONDING DOTS FROM ONE CELL DIRECTLY BELOW	0.395 (10MM) TO 0.400 (10.2MM)

VISUAL CHARACTER HEIGHT

HEIGHT ABOVE FLOOR TO BASE LINE OF CHARACTER	HORIZONTAL VIEWING DISTANCE	MINIMUM CHARACTER HEIGHT
40 INCHES TO LESS THAN OR EQUAL TO 70 INCHES	LESS THAN 6 FEET	5/8 INCH
	6 FEET AND GREATER	5/8 INCH , PLUS 1/8 INCH PER FOOT OF VIEWING DISTANCE ABOVE 6 FEET
GREATER THAN 70 INCHES TO LESS THAN OR EQUAL TO 120 INCHES	LESS THAN 15 FEET	2 INCHES
	15 FEET AND GREATER	2 INCH , PLUS 1/8 INCH PER FOOT OF VIEWING DISTANCE ABOVE 15 FEET
GREATER THAN 120 INCHES	LESS THAN 21 FEET	3 INCHES
	21 FEET AND GREATER	3 INCH , PLUS 1/8 INCH PER FOOT OF VIEWING DISTANCE ABOVE 21 FEET



9 — COMMUNICATION ELEMENTS AND FEATURES
NTS

DOORS, DOORWAYS, AND GATES
NTS

NOTES:
1. AT LEAST ONE OF THE ACTIVE LEAVES OF DOORWAYS WITH TWO LEAVES SHALL COMPLY
2. THERE SHALL BE NO PROJECTIONS INTO THE REQUIRED CLEAR OPENING WIDTH LOWER THAT 34 INCHES ABOVE THE FINISH FLOOR OR GROUND. PROJECTIONS INTO THE CLEAR OPENING WIDTH BETWEEN 34 INCHES AND 80 INCHES ABOVE THE FINISH FLOOR OR GROUND SHALL NOT EXCEED 4 INCHES. EXCEPTION; IN ALTERATIONS, A PROJECTION OF 5/8" MAXIMUM INTO THE REQUIRED CLEAR WIDTH SHALL BE PERMITTED FOR THE LATCH SIDE STOP, DOOR CLOSERS AND DOOR STOPS SHALL BE PERMITTED TO BE 78 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND.
3. PROVIDE REQUIRED MANEUVERING SPACE AT DOORS. MANEUVERING CLEARANCES SHALL EXTEND THE FULL WIDTH OF THE DOORWAY AND THE REQUIRED LATCH SIDE OR HINGE SIDE CLEARANCE.
4. THRESHOLDS IF PROVIDED SHALL COMPLY WITH CHANGES IN LEVEL. EXCEPTION; EXISTING OR ALTERED THRESHOLD 3/4 INCH HIGH SHALL NOT BE REQUIRED TO COMPLY.
5. DOOR HARDWARE; HANDLES, PULLS, LATCHED, LOCKS AND OTHER OPERABLE PARTS ON DOOR AND GATES SHALL BE 34" MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FINISHED FLOOR OR GROUND. WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES. EXCEPTION; EXISTING LOCKS SHALL BE PERMITTED IN ANY LOCATION AT EXISTING GLAZED DOORS WITHOUT STILE. EXITING OVERHEAD ROLLING DOORS OR GRILLS, AND SIMILAR EXISTING DOORS OR GRILLES THAT ARE DESIGNED WIT LOCKS THAT ARE ACTIVATED AT THE TOP OR BOTTOM RAIL.
6. DOOR CLOSERS AND GATE CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES,THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MINIMUM.
7. DOOR AND GATE SPRING HINGES SHALL BE ADJUSTED SO THAT FROM THE OPEN POSITION OF 70 DEGREES, THE DOOR OR GATE SHALL MOVE TO THE CLOSED POSITION IN 1.5 SECONDS.
8. DOOR AND GATE OPENING FORCE. FIRE DOORS SHALL HAVE A MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY. THE FORCE FOR PUSHING OR PULLING OPEN A DOOR OR GATE OTHER THAN A FIRE DOOR SHALL BE 5 POUNDS FOR INTERIOR DOORS, GATES, SLIDING OR FOLDING DOORS.
9. DOOR AND GATE SURFACES. SWINGING DOOR AND GATE SURFACES WITHIN 10 INCHES OF THE FINISHED FLOOR OR GROUND MEASURED VERTICALLY SHALL HAVE A SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR OR GATE. PARTS CREATING HORIZONTAL OF VERTICAL JOINTS IN THESE SURFACES SHALL BE WITHIN 1/16 INCH OF THE SAME PLANE AS THE OTHER. CAVITIES CREATED BY ADDED KICK PLATES SHALL BE CAPPED. EXCEPTIONS; SIDING DOORS ARE NOT REQUIRED TO COMPLY. TEMPERED GLASS DOORS WITHOUT STILES AND HAVING A BOTTOM RAIL OR SHOE WITH THE TOP LEADING EDGE TAPERED AT 60 DEGREES MINIMUM FROM THE HORIZONTAL SHALL NOT BE REQUIRED TO COMPLY. DOORS AND GATES THAT DO NOT EXTEND TO WITHIN 10 INCHES OF THE FINISH FLOOR OR GROUND SHALL NOT BE REQUIRED TO COMPLY. EXISTING DOORS AND GATED WITHOUT SMOOTH SURFACES WITHIN 10 INCHES OF THE FINISH FLOOR OR GROUND SHALL NOT BE REQUIRED TO PROVIDE A SMOOTH SURFACES PROVIDED THAT IF ADDED KICK PLATED ARE INSTALLED CAVITIES CREATED BY SUCH KICK PLATED ARE CAPPED.
10. VISION LIGHTS; DOORS , GATES AND SIDE LIGHTS ADJACENT TO DOORS OR GATES, CONTAINING ONE OR MORE GLAZING PANELS THAT PERMIT VIEWING THROUGH THE PANELS SHALL HAVE THE BOTTOM OF AT LEAST ONE GLAZED PANEL LOCATED 43 INCHES MAXIMUM ABOVE THE FINISH FLOOR. EXCEPTION; VISION LIGHTS WITH THE LOWEST PART MORE THAN 66 INCHES FROM THE FINISH FLOOR OR GROUND SHALL NOT BE REQUIRED TO COMPLY.
11. AUTOMATIC AND POWER ASSISTED DOORS AND GATES. AUTOMATIC DOORS AND AUTOMATIC GATES SHALL COMPLY WITH ANSI/BHMA A156.10. LOW ENERGY AND POWER ASSISTED DOORS SHALL COMPLY WITH ANSI/BHMA A156.19 (1997 OR 2002 EDITION). AUTOMATIC DOORS SHALL PROVIDE A CLEAR OPENING OF 32 INCHES MINIMUM IN POWER-ON AND POWER-OFF MODE AND APPLIES TO ALL LEAVES IN THE OPEN POSITION. MANEUVERING CLEARANCES AND THRESHOLDS SHALL COMPLY, MANUAL CONTROLS SHALL COMPLY WITH REACH RANGES AND BE LOCATED BEYOND THE ARC OF THE DOOR SWING. WHERE DOORS AND GATES WITHOUT STANDBY POWER ARE A PART OF A MEANS OF EGRESS, THE CLEAR BREAK OUT OPENING AT SWINGING OR SLIDING DOORS AND GATES SHALL BE 32 INCHES MINIMUM WHEN OPERATED IN EMERGENCY MODE.

GENERAL NOTES:
1. NOTHING IN THIS STANDARD IN INTENDED TO PREVENT THE USE OF DESIGNS, PRODUCTS, OR TECHNOLOGIES AS ALTERNATIVES TO THOSE PRESCRIBED BY THIS STANDARD, PROVIDED THEY RESULT IN EQUIVALENT OR GREATER ACCESSIBILITY AND SUCH EQUIVALENCY IS APPROVED BY THE ADMINISTRATIVE AUTHORITY ADOPTING THIS STANDARD.
2. 5% OF LOCKERS AND A MINIMUM OF ONE SHALL BE ACCESSIBLE
3. WHERE FIXED OR BUILD-IN STORAGE ELEMENTS SUCH AS CABINETS. SHELVES, MEDICINE CABINETS, CLOSETS AND DRAWERS ARE PROVIDED IN REQUIRED ACCESSIBLE SPACES, AT LEAST ON OF EACH TYPE SHALL CONTAIN STORAGE SPACE SHALL BE ACCESSIBLE
4. REFER TO SHEET #A8.1 FOR TOILET ROOM ACCESSIBILITY AND CLEARANCE DIAGRAMS.

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STATE OF MISSOURI
WILLIAM D. WARNER
NUMBER A-2025013951
ARCHITECT
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EXP. DATE: 12/31/2025

ANCHO & AGAVE
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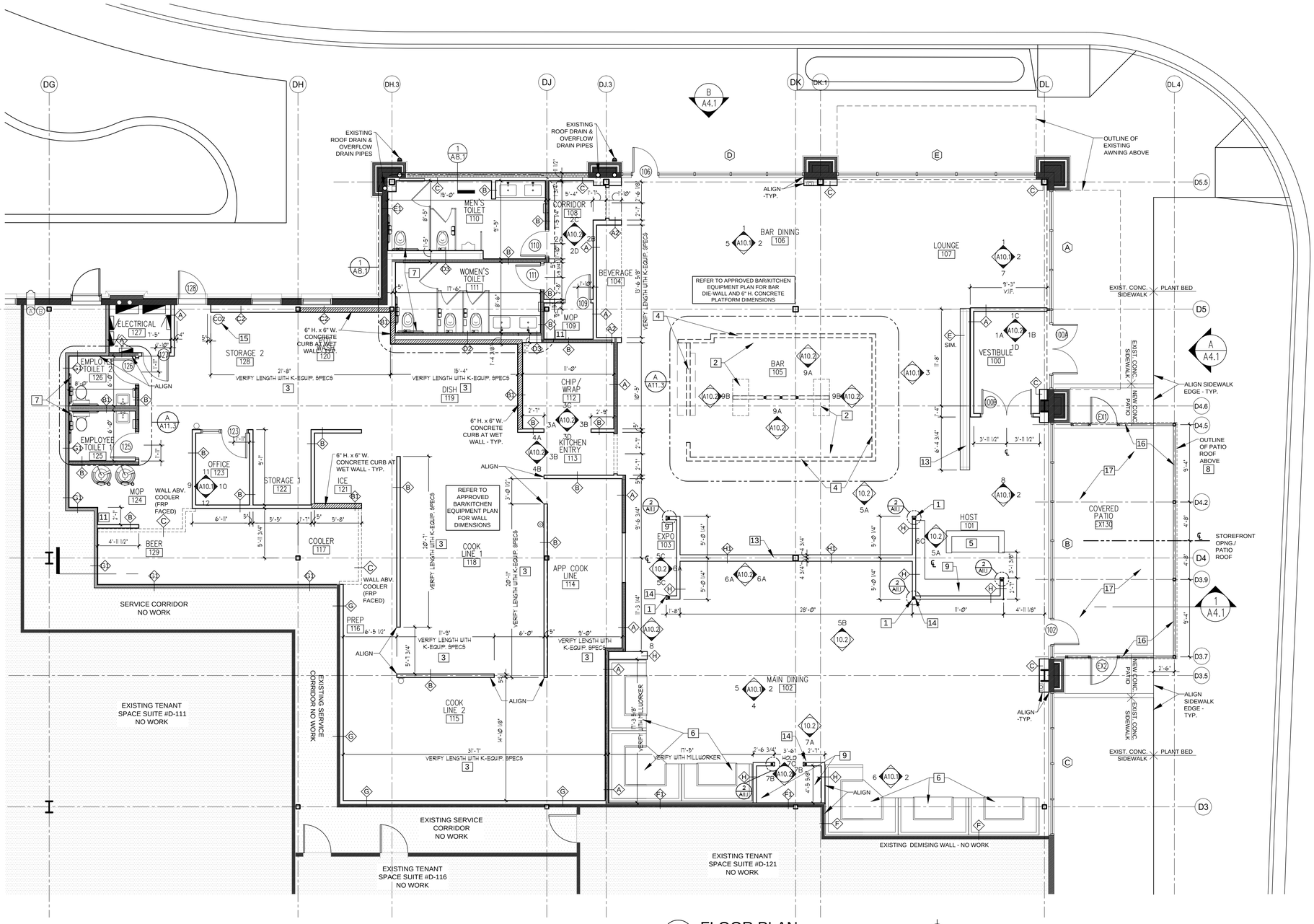
ACCESSIBILITY: DIAGRAMS, NOTES, AND DIMENSIONS

JOB NO: ANCHO - SUMMIT FAIR
DATE: 04.25.2025
SHEET NO: A1.2



1 A1.3 FLOOR PLAN
3/16" = 1'-0"

KEYED PLAN NOTES:

1. STAINLESS STEEL CORNER GUARDS – SEE FINISH SCHED. AND INTERIOR ELEVATIONS
2. BAR EQUIPMENT: SEE K– SHEETS FOR INFORMATION.
3. KITCHEN EQUIPMENT: SEE K–SHEETS FOR INFORMATION.
4. MODULAR PREFAB BAR DIE WALL BY 'KROWNE' ON CONC. CURB – REFER TO K–SHEET and SHT. A12.1 FOR CONFIGURATION AND SPECIFICATIONS. SEE DTL. #2/A11.2
5. HOST STAND : BY MILLWORKER – N.I.C. REFER TO ELECT. PLANS FOR REQ'D. SUPPLY
6. ALL BOOTHS/FURNISHINGS N.I.C.
7. TOILET ROOM PLUMBING FIXTURES AND ACCESSORIES: REFER TO SHEET # A1.2 AND A8.1/2 FOR SPECIFICATIONS AND REQUIRED A.D.A. MOUNTING HEIGHTS.
8. OUTLINE OF METAL PATIO ROOF ABOVE. REFER TO EXTERIOR ELEVATIONS #A4.1 FOR CONFIGURATION.
9. POS STATION: G.C. TO COORDINATE LOW VOLTAGE WITH EQUIPMENT SUPPLIER.
10. KITCHEN HAND SINKS WITH SOAP AND TOWEL DISPENSER, REFER TO K–SHEETS.
11. MOP BASIN AND FAUCET, REFER TO K–SHEET.
12. PROVIDE SOLID ¾" PLYWOOD INWALL BLOCKING/BACKING FOR ALL WALL MOUNTED CABINETRY, SHELVING, PLUMBING & ELECTRICAL FIXTURES, AND MILLWORK. REFER TO INTERIOR ELEVATIONS FOR ROOM CONFIGURATIONS FOR MOUNTING HEIGHTS.
13. HALF HEIGHT METAL STUD WALL TO SUPPORT MILLWORK. REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION AND DETAILS.
14. STEEL TUBE POST WELDED TO STEEL BASE PLATE AT END OF LOW WALLS AND EVERY 6'–0" BETWEEN ENDS AS NECESSARY – SEE DTL. #2/A11.1
15. CO2 TANK PROTECTION: PROVIDE WALL MOUNTED SAFETY LATCH CHAIN OR WALL BRACKET WITH ADJUSTABLE STRAP.
16. 36" H. DECORATIVE PREFIN. ALUM PATIO FENCE WITH 36" W. LATCHED GATE WITH PANIC HARDWARE AND EXIT SIGNAGE. REFER TO EXTERIOR ELEVATIONS FOR MATERIAL AND CONFIGURATION. COLOR – MATTE BLACK
17. SMOOTH TROWEL CONCRETE PATIO FINISH TO MATCH AND ALIGN WITH EXISTING WITH SAWCUT CONTROL JOINTS (REFER TO A12.1 FOR CONFIG.). – REFER TO CIVIL. DRWGS.

LEGEND

- # — SEE PARTITION TYPES ON SHEET #A11.1 FOR MORE INFORMATION
- X# — SEE DOOR SCHEDULE ON SHEET #A9.1 FOR MORE INFORMATION
- # — SEE KEY PLAN NOTES ON SHEET #A1.4 FOR MORE INFORMATION

GC TO VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION TO INCLUDE (BUT NOT LIMITED TO):

- OVERALL DIMENSIONS
- HEIGHTS OF EXISTING DECK, JOISTS, BEAMS, ETC.
- COLUMN LOCATIONS
- BEAM / JOIST SPACING & ORIENTATION
- UTILITY SERVICE SIZES (GAS, WATER, SANITARY, ELEC, ETC.), EQUIP & PANEL LOCATIONS, ETC.

NOTIFY ARCHITECT OF ANY DISCREPANCIES THAT PREVENT THE PROJECT FROM BEING BUILT AS CURRENTLY DESIGNED.

GENERAL PLAN NOTES:

1. ALL WORK TO BE DONE IN ACCORDANCE WITH ALL GOVERNING STATE, LOCAL CODES, AND ORDINANCES.
2. EGRESS DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.
3. ALL FIRE RATED DOORS TO BE SELF–CLOSING.
4. THE ARCHITECT WILL NEITHER HAVE CONTROL OVER OR CHARGE OF, NOR BE RESPONSIBLE FOR, THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR THE SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, SINCE THESE ARE SOLELY THE CONTRACTOR'S RIGHTS AND RESPONSIBILITIES.
5. EXISTING BUILDING CONDITIONS SHOWN ON THESE DRAWINGS ARE DERIVED FROM DRAWINGS OF THE ORIGINAL "PERMITTED" BUILDING DRAWINGS. CONDITIONS ARE ASSUMED TO BE REPRESENTATIVE OF THE ACTUAL CONSTRUCTION OF THE BUILDING. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO COMMENCING WORK. NOTIFY ARCHITECT BEFORE PROCEEDING.
6. CONTRACTOR TO FIELD VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS. IN THE EVENT OF A DISCREPANCY BETWEEN DRAWINGS AND THE EXISTING CONDITIONS, NOTIFY THE ARCHITECT BEFORE PROCEEDING.
7. IN THE EVENT OF A DISCREPANCY BETWEEN ARCHITECTURAL AND CONSULTANT DRAWINGS, NOTIFY ARCHITECT IMMEDIATELY PRIOR TO COMMENCING WORK – TYPICAL FOR ALL DRAWINGS.
8. REFER TO K–SHEETS FOR KITCHEN AND BAR EQUIPMENT ROUGH–IN REQUIREMENTS AND ADDITIONAL INFORMATION.
9. PROVIDE SOLID IN–WALL BLOCKING FOR MILLWORK, SHELVING, WALL PANELS, ETC. REFER TO K–SHEETS FOR ADDITIONAL INFORMATION.
10. ALL FINISHES SHALL BE CLASS 1, 0–25 FLAME SPREAD RATING.
11. COORDINATE NEW WALL FRAMING LAYOUT WITH PLUMBING AND HVAC CONTRACTOR TO AVOID INTERFERENCES.
12. VERIFY/COORDINATE DOOR AND WINDOW OPENING SIZES WITH SELECTED MANUFACTURER AND ADJUST ROUGH OPENING FRAMING ACCORDINGLY.
13. ALL EXTERIOR DIMENSIONS ARE TO CENTER LINE OF EXISTING COLUMN OR FACE OF EXISTING MASONRY
14. ALL INTERIOR DIMENSIONS ARE TO FACE OF FINISH – U.N.O.
15. CENTER STUD ON COLUMN LINE (U.N.O.).
16. ALL NEW PARTITIONS AT OR ADJACENT TO SINKS AND/OR WET EQUIPMENT TO HAVE ⅝" CEMENT BOARD IN LIEU OF ⅝" WATER RESISTANT GB. REFER TO SHT. # A12.1 FOR LOCATIONS.
17. INSTALL ⅝" CEMENT BOARD (SMOOTH SIDE OUT) FULL HEIGHT AT ALL EXHAUST HOOD LOCATIONS, DISHWASHING AREA, AND MOP AREA. REFER TO SHT. #A12.1 FOR LOCATIONS.
18. INSTALL ⅝" WATER RESISTANT GYP. BD. AT ALL KITCHEN (BACK OF THE HOUSE) AREAS AND TOILET ROOMS WHERE CEMENT BOARD IS NOT SPECIFIED OR DETAILED. REFER TO SHT. #A12.1 FOR LOCATIONS.
19. REFER TO FLOOR FINISH PLAN AND FINISH SCHEDULES FOR ADDITIONAL PARTITION REQUIREMENTS AND WALL FINISH CONFIGURATIONS.
20. REFER TO SHEET # A11.1 FOR INTERIOR WALL TYPES AND DETAIL #3/A11.1 FOR TILE FLOORING BASE.
21. ALL EXPOSED CONCRETE FLOOR PENETRATIONS TO BE PROPERLY PLUGGED, SEALED, AND WATERPROOFED.
22. FIRE EXTINGUISHERS SUPPLIED BY G.C. QUANTITY AND LOCATIONS TO BE COORDINATED WITH LOCAL FIRE DEPARTMENT. REFER TO SHT. #A1.1 FOR TYPES.

NOTE:
1. REFER TO MEP/FP DRAWINGS FOR ADDITIONAL SCOPE OF WORK INFORMATION.
2. FURNITURE AND KITCHEN/BAR EQUIPMENT SHOWN FOR COORDINATION PURPOSES ONLY. CONFIRM DIMENSION AND REQUIREMENTS WITH FURNITURE AND KITCHEN EQUIPMENT VENDOR AND OWNER/DESIGNER.
3. SIGNAGE SHALL BE PLACED AT MAIN ENTRANCE/EXITS STATING; DOOR SHALL NOT BE LOCKED WHILE BUILDING IS "OCCUPIED".

NOTE: BUILDING IS EQUIPPED WITH AN EXISTING APPROVED AUTOMATIC SPRINKLER SYSTEM COMPLYING WITH N.F.P.A. 13 2010 EDITION

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NOTE:
1. REFER TO PLUMBING AND KITCHEN DRAWINGS FOR COMPLETE DETAILS OF EXISTING AND PROPOSED AREA, FLOOR, AND TRENCH DRAINS, AND CLEAN OUTS LOCATIONS.
2. REFER TO BAR/KITCHEN DRAWINGS FOR DETAIL DIMENSIONS AND EQUIPMENT SPECIFICATIONS.

POSTING OF OCCUPANT LOAD:
EVERY ROOM OR SPACE THAT IS AN ASSEMBLY OCCUPANCY SHALL HAVE THE OCCUPANT LOAD OF THE ROOM OR SPACE POSTED IN A CONSPICUOUS PLACE, NEAR THE MAIN EXIT OF EXIT ACCESS DOORWAY FROM THE ROOM OR SPACE. POSTED SIGNS SHALL BE OF AN APPROVED LEGIBLE PERMANENT DESIGN AND SHALL BE MAINTAINED BY THE OWNER OR OWNER'S AUTHORIZED AGENT.

ALL INTERIOR WALLS AND PARTITIONS THAT EXCEED 6 FEET IN HEIGHT, INCLUDING THEIR FINISH MATERIALS, SHALL HAVE ADEQUATE STRENGTH AND STIFFNESS TO RESIST A MINIMUM OF 5 psf HORIZONTAL LOAD.

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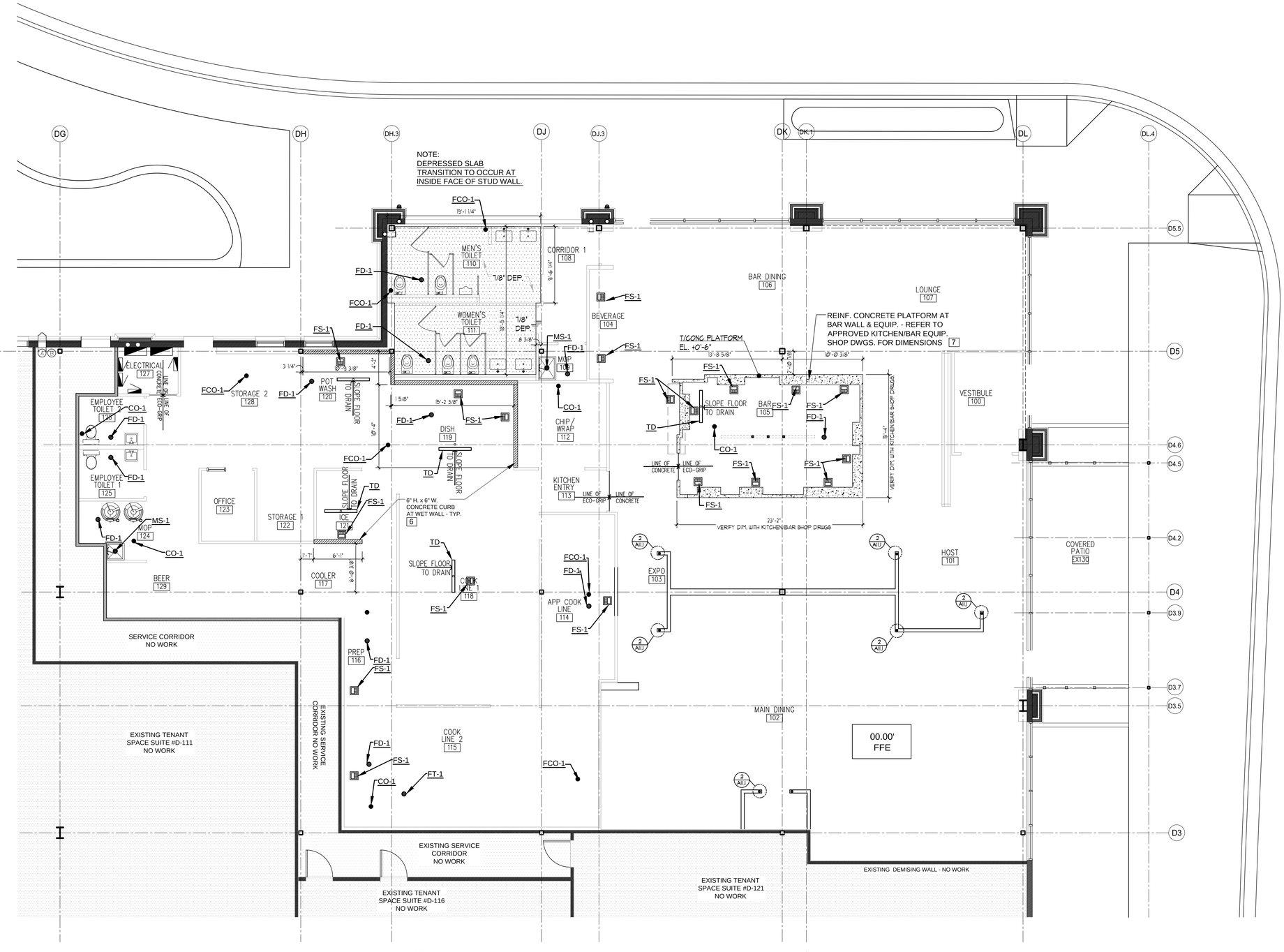
FLOOR PLAN

JOB NO: ANCHO - SUMMIT FAIR
DATE: 04.25.2025
SHEET NO: A1.3



1 A1.4 RAISED/DEPRESSED FLOOR PLAN
3/16" = 1'-0"
0 1' 2' 4' 8'

KEYED NOTES:

1. FLOOR DRAIN (FD): SET 1/4" BELOW 0'-0", SLOPE FLOOR FROM WALL TO DRAIN. REFER TO PLUMBING AND KITCHEN DRAWINGS FOR ADDITIONAL INFORMATION.
2. FLOOR SINK (FS): SET 1/4" BELOW 0'-0", SLOPE FLOOR FROM WALL TO DRAIN. REFER TO PLUMBING AND KITCHEN DRAWINGS FOR ADDITIONAL INFORMATION.
3. TRENCH DRAIN (TD): SLOPE FLOOR FROM WALL TO DRAIN. REFER TO PLUMBING AND KITCHEN DRAWINGS FOR ADDITIONAL INFORMATION.
4. HUB DRAIN (HD): REFER TO PLUMBING AND KITCHEN DRAWINGS FOR ADDITIONAL INFORMATION.
5. CLEAN OUT (FCO): REFER TO PLUMBING AND KITCHEN DRAWINGS FOR ADDITIONAL INFORMATION.
6. 6" H. REINF. CONCRETE WALL CURB. REFER TO STRUCTURAL DRWGS. FOR ADDITIONAL INFORMATION.
7. REINF. CONC. BAR PLATFORM – REFER TO K-SHEET and SHT. A12.1 FOR CONFIGURATION AND SPECIFICATIONS. SEE DTL. #2/A11.2
8. MOP BASIN (MS): REFER TO PLUMBING DRAWINGS AND K-SHEET.

NOTE:
1. REFER TO MEP/FP DRAWINGS FOR ADDITIONAL SCOPE OF WORK INFORMATION.
2. FURNITURE AND KITCHEN/BAR EQUIPMENT SHOWN FOR COORDINATION PURPOSES ONLY. CONFIRM DIMENSION AND REQUIREMENTS WITH FURNITURE AND KITCHEN EQUIPMENT VENDOR AND OWNER/DESIGNER.
3. SIGNAGE SHALL BE PLACED AT MAIN ENTRANCE/EXITS STATING; DOOR SHALL NOT BE LOCKED WHILE BUILDING IS "OCCUPIED".

NOTE: BUILDING IS EQUIPPED WITH AN EXISTING APPROVED AUTOMATIC SPRINKLER SYSTEM COMPLYING WITH N.F.P.A. 13 2010 EDITION

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NOTE:
1. REFER TO PLUMBING AND KITCHEN DRAWINGS FOR COMPLETE DETAILS OF AREA, FLOOR, AND TRENCH DRAINS, AND CLEAN OUTS LOCATIONS.
2. REFER TO 'ECO-GRIP' POLYVINYL FLOORING MANUFACTURERS SPECIFICATIONS , PROJECT CONDITIONS, AND INSTALLATION REQUIREMENTS FOR KITCHEN AND BAR SAFETY FLOORING SYSTEM AND ACCESSORIES.

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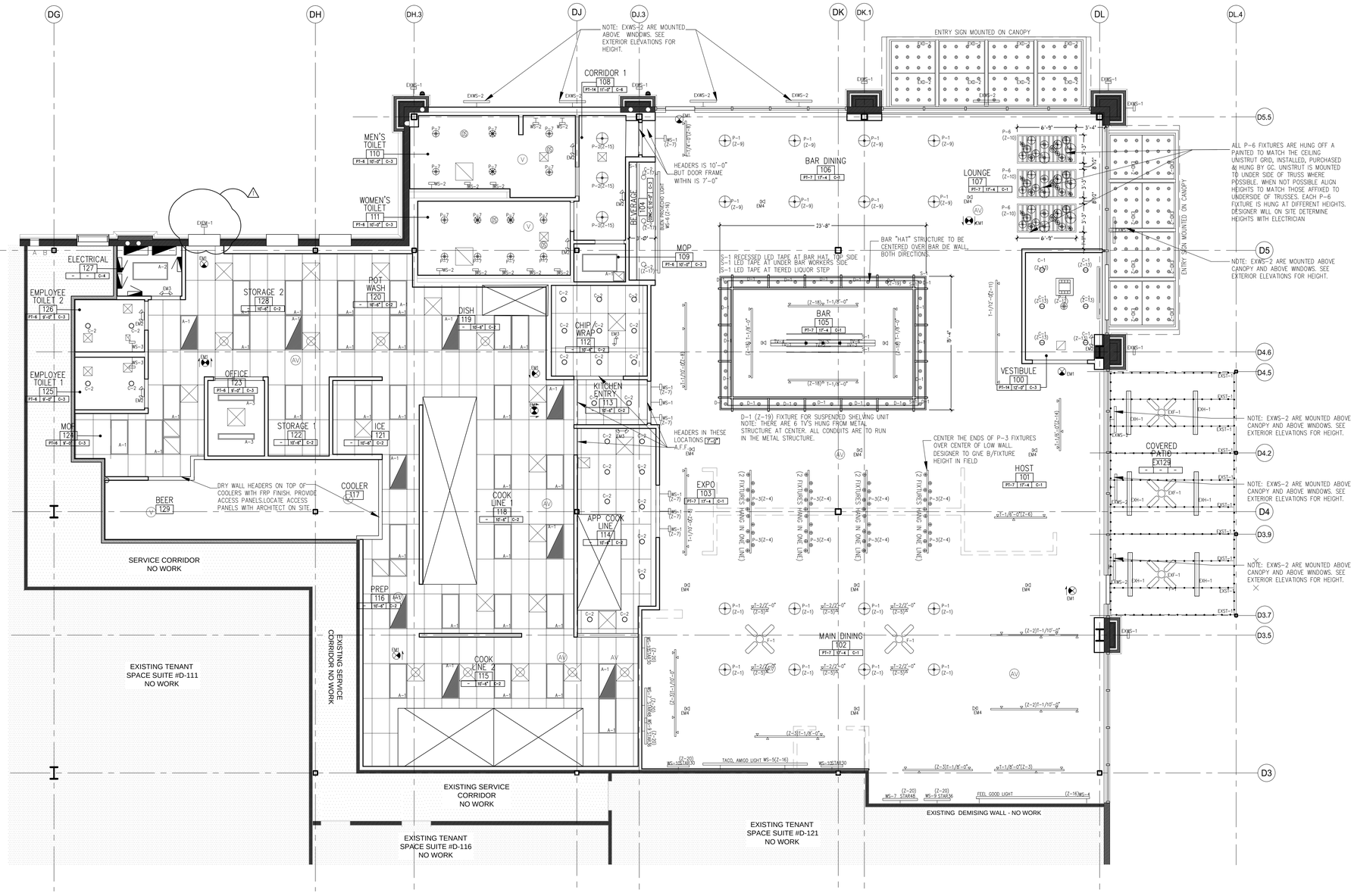
DEPRESSED/RAISED SLAB PLAN

JOB NO: ANCHO - SUMMIT FAIR
DATE: 04.25.2025
SHEET NO: A1.4



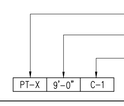
1 A2.1 REFLECTED CEILING PLAN
3/16" = 1'-0"
0 1' 2' 4' 8'

N

CEILING FINISHES

SYMBOL	DESCRIPTION
C-1	PAINTED EXPOSED STRUCTURE WITH BARRIER SPRAY TECHNOLOGIES – ACOUSTIC SPRAY K13 MUST SPRAY 2" THICK COLOR TBD CONTACT 612.789.1130
C-2	2'-0" X 4'-0" VINYL FACED GYP. BD. CEILING TILE
C-3	5/8" GYPSUM BOARD CEILING PAINTED
C-4	OPEN TO EXISTING STRUCTURE
C-5	FIRE TREATED STAINED CEDAR

SAMPLE TAGS



GENERAL NOTES

1. CENTER ALL FIXTURES IN CEILING TILES & FIELD VERIFY GRID LAYOUT FOR PROPER FIXTURE LAYOUT (TO MATCH DRAWINGS).
2. ALIGN ALL FIXTURES IN BOTH DIRECTIONS (LAY OUT GRIDS SO THAT ALIGNMENT IS CONSISTENT).
3. ALL WIRING IN CEILING MUST BE IN RIGID CONDUIT.
4. E.C. TO VERIFY ALL LOCATIONS OF WALL MOUNTED J-BOXES FOR SCONCES AND CLOCK OUTLETS w/ OWNER PRIOR TO INSTALLATION.
5. G.C. TO PAINT ALL GYP. BD. CEILINGS AND SOFFITS.
6. 2" REQUIRED FOR ACOUSTIC SPRAY K13 – COLOR TBD
7. ALL FIXTURES FRONT OF HOUSE THAT ARE IN OPEN CEILING MUST BE HUNG ON PAINTED (TO MATCH CEILING) UNISTRUT. BY GC.
8. ALL EXPOSED DUCTS, GRILLS, TRUSSES, ELECTRICAL CONDUIT, UNISTRUT ARE TO BE PAINTED TO MATCH THE K-13 ACOUSTICAL SPRAY. PT-15 SEE FINISH LEGEND FOR COLOR. BY GC

RCP LEGEND

SYMBOL	DESCRIPTION
	2' x 2' RETURN AIR GRILL REFER TO M-SHEETS FOR MORE INFO.
	2' x 2' SUPPLY AIR DIFFUSER REFER TO M-SHEETS FOR MORE INFO.
	1' x 1' EXHAUST FAN REFER TO M-SHEETS FOR MORE INFO.

PERMIT REVISION #1

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH CONSTRUCTION AND NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR CONFLICTS.

NO	DATE	DESCRIPTION
1	04.25.25	ISSUE FOR PERMIT
1	05.14.25	PERMIT REVISION 1

STATE OF MISSOURI
WILLIAM D. WARNER
NUMBER A-2015012951
ARCHITECT

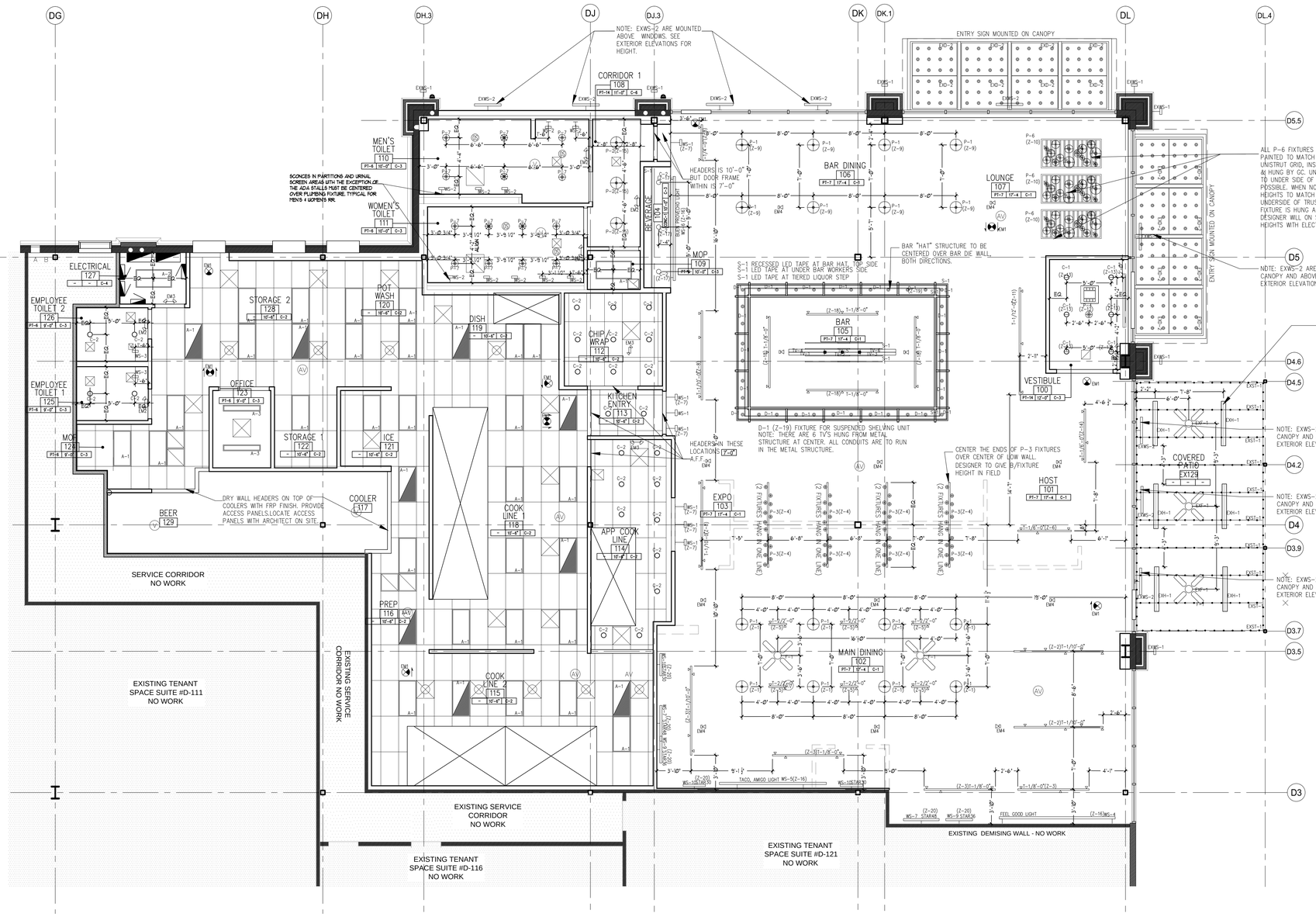
DATE: 05/14/2025
EXP. DATE: 12/31/2025

ANCHO & AGAVE
SUMMIT FAIR SHOPPING CENTER
D-BUILDING
860-A NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086

CARR WARNER
ARCHITECTS
ARCHITECTURE
INTERIORS
PLANNING
3711 N. RAVENSWOOD
SUITE #104
CHICAGO, ILLINOIS 60613
p 773-477-9009
f 773-477-6888
www.carrwarner.com

REFLECTED CEILING PLAN

JOB NO: ANCHO - SUMMIT FAIR
DATE: 05.14.2025
SHEET NO: A2.1



1 A2.2 LIGHTING DIMENSION PLAN
3/16" = 1'-0"
0 1' 2' 4' 8'

N

CEILING FINISHES

SYMBOL	DESCRIPTION
C-1	PAINTED EXPOSED STRUCTURE WITH BARRIER SPRAY TECHNOLOGIES – ACOUSTIC SPRAY K13 MUST SPRAY 2" THICK COLOR TBD CONTACT 612.789.1130
C-2	2'-0" X 4'-0" VINYL FACED GYP. BD. CEILING TILE
C-3	5/8" GYPSUM BOARD CEILING PAINTED
C-4	OPEN TO EXISTING STRUCTURE
C-5	FIRE TREATED STAINED CEDAR

SAMPLE TAGS

CEILING FINISH
CEILING HEIGHT (A.F.F.)
CEILING MATERIAL

PT-X | 9'-0" | C-1

GENERAL NOTES

1. CENTER ALL FIXTURES IN CEILING TILES & FIELD VERIFY GRID LAYOUT FOR PROPER FIXTURE LAYOUT (TO MATCH DRAWINGS).
2. ALIGN ALL FIXTURES IN BOTH DIRECTIONS (LAY OUT GRIDS SO THAT ALIGNMENT IS CONSISTENT).
3. ALL WIRING IN CEILING MUST BE IN RIGID CONDUIT.
4. E.C. TO VERIFY ALL LOCATIONS OF WALL MOUNTED J-BOXES FOR SCONCES AND CLOCK OUTLETS w/ OWNER PRIOR TO INSTALLATION.
5. G.C. TO PAINT ALL GYP. BD. CEILINGS AND SOFFITS.
6. 2" REQUIRED FOR ACOUSTIC SPRAY K13 – COLOR TBD
7. ALL FIXTURES FRONT OF HOUSE THAT ARE IN OPEN CEILING MUST BE HUNG ON PAINTED (TO MATCH CEILING) UNISTRUT. BY GC.
8. ALL EXPOSED DUCTS, GRILLS, TRUSSES, ELECTRICAL CONDUIT, UNISTRUT ARE TO BE PAINTED TO MATCH THE K-13 ACOUSTICAL SPRAY. PT-15 SEE FINISH LEGEND FOR COLOR. BY GC

RCP LEGEND

SYMBOL	DESCRIPTION
	2' x 2' RETURN AIR GRILL REFER TO M-SHEETS FOR MORE INFO.
	2' x 2' SUPPLY AIR DIFFUSER REFER TO M-SHEETS FOR MORE INFO.
	1' x 1' EXHAUST FAN REFER TO M-SHEETS FOR MORE INFO.

ISSUE FOR PERMIT

OWNER RELEASE: I HAVE REVIEWED THESE DRAWINGS FOR DESIGN INTENT AND HEREBY CERTIFY THAT THEY CONFORM IN ALL RESPECTS TO MY DESIGN CRITERIA AND ARE APPROVED.

BY: _____ DATE: _____

THESE DRAWINGS MAY HAVE BEEN REPRODUCED AT A SIZE DIFFERENTLY THAN ORIGINALLY DRAWN. OWNER AND ARCHITECT ASSUME NO RESPONSIBILITY FOR USE OF INCORRECT SCALE.

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH CONSTRUCTION AND NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR CONFLICTS.

NO	DATE	DESCRIPTION
1	04.25.25	ISSUE FOR PERMIT

STATE OF MISSOURI
WILLIAM D. WARNER
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LIGHTING DIMENSION PLAN

JOB NO: ANCHO - SUMMIT FAIR
DATE: 04.25.2025
SHEET NO: A2.2

INTERIOR LIGHT FIXTURE LEGEND

SYMBOL	DESCRIPTION
A1	DESCRIPTION: 2X4 LED FLAT PANEL LIGHT – RECESSED MANUF: LITHONIA MODEL: CPX-2X4-ALO8-SWW7-M2 LAMP: 50.5 WATT LED NOTE: PURCHASED BY OWNER, INSTALLED BY GC
A1/EM	DESCRIPTION: EMERGENCY LIGHT – 2X4 LED FLAT PANEL LIGHT – RECESSED MANUF: LITHONIA MODEL: CPX-2X4-ALO8-SWW7-M2 LAMP: 50.5 WATT LED DRIVER MNFR: IOTA/ACUITY BRANDS MODEL: ILBLP-CP10-HE-SD-A 10WATT EMERGENCY LED DRIVER NOTE: GC TO FIELD INSTALL EM DRIVER OWNER TO PURCHASE FIXTURE AND DRIVER SHADED LIGHTS ARE EM FIXTURES
A2	DESCRIPTION: 2X4 LED FLAT PANEL LIGHT – SURFACE MOUNTED MANUF: LITHONIA MODEL: CPX-2X4-ALO8-SWW7-M2 WITH 2X4SMKSH- SHALLOW DEPTH SURFACE MOUNT KIT LAMP: 51 WATT LED NOTE: PURCHASED BY OWNER, INSTALLED BY GC
A3	DESCRIPTION: DECORATIVE SUSPENDED 4" X 48" LED DIRECT LIGHT MANUF: COOPER LIGHTING/CORELITE – CONTINUA SO4 MODEL: SO4-F-DU-100D-930-1-D-UNV-STD-W-AC48-JB-4 LAMP: 10 WATT LED NOTE: PURCHASED BY OWNER, INSTALLED BY GC
C-1	DESCRIPTION: 3 1/2" LED RECESSED WALL WASH – DIMMABLE MANUF: COOPER LIGHTING – PORTFOLIO COLLECTION MODEL: LDA3B-10-R40-90-27 – DIMMABLE FINISH: SELF FLANGE– SPECULAR CLEAR LAMP: 9 WATT LED/PURCHASED BY OWNER INSTALLED BY GC NOTE: PURCHASED BY OWNER, INSTALLED BY GC
C-2	DESCRIPTION: 6" LENSED DOWNLIGHT MANUF: LITHONIA LIGHTING MODEL: RB56SWW5AWM6 FINISH: WHITE BAFFLE & LENSED REFLECTOR LAMP: 15W LED 2700K PURCHASED BY OWNER INSTALLED BY GC NOTE: PURCHASED BY OWNER, INSTALLED BY GC
D-1	DESCRIPTION: EXPOSED PORCELAIN SOCKET LIGHT UNDER BAR CANOPY MANUF: COMMUNE LIGHT SOCKETS MODEL: MEDIUM BASE LIGHT SOCKET FINISH: BLACK LAMP: 4.5W LED/FILAMENT STYLE – PURCHASED BY OWNER INSTALLED BY GC NOTE: PURCHASED BY OWNER, INSTALLED BY GC
EM1	DESCRIPTION: DIRECTIONAL EXIT LIGHT MANUF: LITHONIA LIGHTING MODEL: EDG 1 R EL REMARKS:PROVIDE DUAL FACES, ARROWS, & MOUNTING RODS AS REQ'D. NOTE: PURCHASED BY OWNER & INSTALLED BY GC
EM2	DESCRIPTION: EMERGENCY LIGHT FIXTURE FRONT OF HOUSE MANUF: SURE LIGHTS – SELDWA SERIES MODEL: SELDA50_SD – SILVER FINISH & WHITE PENDING LOCATION REMARKS: AT AL LOCATIONS AND WHERE REQ'D BY FIRE CODE. NOTE: PURCHASED BY OWNER & INSTALLED BY GC
EM3	DESCRIPTION: EMERGENCY LIGHT FIXTURE KITCHEN/BACK OF HOUSE MANUF: SURE LIGHTS – APEL SERIES MODEL: APELH2WH – WHITE REMARKS: AT AL LOCATIONS AND WHERE REQ'D BY FIRE CODE. NOTE: PURCHASED BY OWNER & INSTALLED BY GC
EM4	DESCRIPTION: LED MONO POINT –EMERGENCY LIGHT WILL NEED EM INVERTER – SEE E-SHEETS MANUF: JUNO – TRAC MASTER SERIES MODEL: R600L-G2 –27K–80CRI–DIMMABLE–NFL–BL FINISH: BLACK LAMP: NARROW LED FLOOD LIGHT TRACK, LAMP AND INVERTER PURCHASED BY OWNER & INSTALLED BY GC.
F-1	DESCRIPTION: INTERIOR CEILING FAN MANUF: MATHEWS FAN COMPANY/LIGHTING NEW YORK MODEL: DC–BK–MTL – NO LIGHT KIT USED LAMP/WATTS: 15W REMARKS: INSTALL WITH EXTENSION RODS. DESIGNER TO PROVIDE B/FIXTURE NOTE: PURCHASED BY OWNER, INSTALLED BY GC
P-1	DESCRIPTION: INDUSTRIAL STYLE DEEP 20" BOWL PENDANT MANUF: STEEL LIGHTING COMPANY MODEL: CUSTOM ROSE BOWL FIXTURE 20" DEEP – W/CUSTOM ROD LENGTH FINISH: GALVANIZED LAMP: 4.5W LED/FILAMENT STYLE – PURCHASED BY OWNER INSTALLED BY GC NOTE: PURCHASED BY OWNER INSTALLED BY GC/FIXTURE REQUIRES SOCKET EXTENDER, OWNER TO PURCHASE EXTENDERS & GC TO INSTALL
P-2	DESCRIPTION: INDUSTRIAL STYLE DEEP 15" BOWL PENDANT MANUF: STEEL LIGHTING COMPANY MODEL: ROSE BOWL FIXTURE WITH CUSTOM ROD LENGTH FINISH: GALVANIZED LAMP: 4.5W LED/FILAMENT STYLE – PURCHASED BY OWNER INSTALLED BY GC NOTE: PURCHASED BY OWNER INSTALLED BY GC
P-3	DESCRIPTION: CUSTOM MULTI BULB PIPE PENDANT MANUF: BD LIGHTING MODEL: CUSTOM FINISH: GALVANIZED LAMP: 60W EACH/7 LAMPS PER FIXTURE – SIZES OF LAMPS VARY PHYSICALLY NOTE: PURCHASED BY OWNER INSTALLED BY GC, INCLUDING LAMPS
P-4	DESCRIPTION: FLUSH MOUNT FIXTURE MANUF: SHADES OF LIGHT MODEL: VINTAGE STAR FLUSH MOUNT – FM10022 BZ FINISH: WEATHER BRONZE LAMP: 3 @ 4.5W LED/FILAMENT STYLE – PURCHASED BY OWNER INSTALLED BY GC NOTE: PURCHASED BY OWNER INSTALLED BY GC.
P-5	NOT USED
P-6	DESCRIPTION: DECORATIVE PENDANTS – 15 DIFFERENT STYLES A–N LAMP: 4.5W LED/FILAMENT STYLE – PURCHASED BY OWNER INSTALLED BY GC NOTE: THESE FIXTURES MOUNTED TO A PAINTED UNISTRUT GRID FRAME/FRAME IS FABRICATED BY GC– FIXTURES ARE PURCHASED BY OWNER INSTALLED BY GC. FIXTURES HANG AT MULTIPLE DIFFERENT HEIGHTS, FINAL HEIGHT PLACEMENT TO BE SET ON SITE WITH DESIGNER
P-7	DESCRIPTION: FLUSH MOUNTED PENDANT IN RESTROOM MANUF: SCHOOLHOUSE ELECTRIC MODEL: NORFOLK 4" FITTER WITH NATURAL BRASS FINISH: GRAY BANDS OGEE SHADE LAMP: 6W PURCHASED BY OWNER INSTALLED BY GC NOTE: PURCHASED BY OWNER INSTALLED BY GC.
S-1	DESCRIPTION: LED ROPE TAPE MANUF: GM LIGHTING/PROFESSIONAL GRADE FLEXIBLE LED TAPE MODEL: LTR–P–12V–1.5W–27K–16 LAMP: 1.5 WATTS PER FOOT NOTE: PURCHASED BY OWNER & INSTALLED BY GC.
T-1	DESCRIPTION: TRACK WITH LED HEADS/VARIOUS LENGTHS SEE RCP MANUF: JUNO – TRAC MASTER SERIES MODEL: R600L–G2 –27K–80CRI–DIMMABLE–NFL–BL FINISH: BLACK LAMP: NARROW LED FLOOD LIGHT NOTE: LAMP & FIXTURE PURCHASED BY OWNER INSTALLED BY GC.
T-2	DESCRIPTION: 2'–0" TRACK WITH LED HEADS MANUF: JUNO – TRAC MASTER SERIES MODEL: R600L–G2 –27K–80CRI–DIMMABLE–NFL–BL FINISH: BLACK LAMP: NARROW LED FLOOD LIGHT NOTE: LAMP & FIXTURE PURCHASED BY OWNER INSTALLED BY GC.
WS-1	DESCRIPTION: WALL SCONCE STRAIGHT ARM TAP LIGHT MNFR: EDISON LIGHT GLOBES MODEL: SMALL SHADE STRAIGHT ARM TAP AND WALL LIGHT 220MM FINISH: GALVANIZED SHADE: FLAT BLACK LAMP:4.5W LED/FILAMENT STYLE – PURCHASED BY OWNER INSTALLED BY GC NOTE: PURCHASED BY OWNER INSTALLED BY GC.
WS-2	DESCRIPTION: WALL SCONCE ENAMEL SHADE FOR GUEST TOILET ROOM MNFR: REJUVENATION MODEL: CARSON 12" WALL SCONCE FINISH: GALVANIZED SHADE: GLOSS WHITE LAMP:4.5W LED/FILAMENT STYLE – PURCHASED BY OWNER INSTALLED BY GC NOTE: THESE FIXTURES ARE CENTERED OVER TOILET FIXTURES AND SINKS. VERIFY WITH DESIGNER PRIOR TO INSTALLATION. NOTE: PURCHASED BY OWNER INSTALLED BY GC.
WS-3	DESCRIPTION: WALL SCONCE ENAMEL SHADE FOR EMPLOYEE TOILET ROOM MNFR: REJUVENATION MODEL: CARSON 12" WALL SCONCE FINISH: GALVANIZED SHADE: EUCALYPTUS LAMP:4.5W LED/FILAMENT STYLE – PURCHASED BY OWNER INSTALLED BY GC NOTE: PURCHASED BY OWNER INSTALLED BY GC.
WS-4 FEEL GOOD LIGHT	DESCRIPTION: FEEL GOOD LIGHT – 8 INDIVIDUAL LETTER/LIGHTS LAMP:EACH LETTER LIT WITH LED STRIP LIGHT WARM WHITE DIMABLE LED ROPE LIGHT 12V, FLEXIBLE UNDER COUNTER LIGHT TRANSFORMERS NEEDED TO STEP DOWN POWER. NOTE: PURCHASED BY OWNER INSTALLED BY GC. DESIGNER TO PROVIDE EXACT LOCATION ON SITE. ALL CORDS, POWER TO BE CONCEALED, BEHIND EACH LETTER.
WS-5 TACOS AMIGOS LIGHT	DESCRIPTION: TACOS AMIGOS LIGHT LAMP: 400W LED MAX VOLTAGE:LINE VOLTAGE, DIRECT PLUG BEHIND FIXTURE, ONE OUTLET REQUIRED. NOTE: PURCHASED BY OWNER INSTALLED BY GC.DESIGNER WILL VERIFY LOCATION IN FIELD.
WS-6 BUENE PROVECHO LIGHT	DESCRIPTION: BUENE PROVECHO LIGHT LAMP: 400W LED MAX VOLTAGE:LINE VOLTAGE, DIRECT PLUG BEHIND FIXTURE/2 OUTLETS REQUIRED 1 FOR EACH WORD. NOTE: PURCHASED BY OWNER INSTALLED BY GC.DESIGNER WILL VERIFY LOCATION IN FIELD.
WS-7 48 STAR	DESCRIPTION: 48" STAR LAMP: 100W LED MAX VOLTAGE:LINE VOLTAGE, DIRECT PLUG BEHIND FIXTURE/1 OUTLET REQUIRED NOTE: PURCHASED BY OWNER INSTALLED BY GC.DESIGNER WILL VERIFY LOCATION IN FIELD.
WS-8 30 STAR	DESCRIPTION: 30" STAR LAMP: 100W LED MAX VOLTAGE:LINE VOLTAGE, DIRECT PLUG BEHIND FIXTURE/1 OUTLET REQUIRED NOTE: PURCHASED BY OWNER INSTALLED BY GC.DESIGNER WILL VERIFY LOCATION IN FIELD.
WS-9 36 STAR	DESCRIPTION: 36" STAR LAMP: 100W LED MAX VOLTAGE:LINE VOLTAGE, DIRECT PLUG BEHIND FIXTURE/1 OUTLET REQUIRED NOTE: PURCHASED BY OWNER INSTALLED BY GC.DESIGNER WILL VERIFY LOCATION IN FIELD.

NOTE:
ALL INTERIOR PENDANTS, TRACKS AND FANS IN OPEN CEILING AREA ARE TO BE HUNG ON UNISTRUT - PAINTED TO MATCH THE CEILING.
UNISTRUT IS PURCHASED AND INSTALLED BY GC. HEIGHT TO BE VERIFIED BY DESIGNER PRIOR TO INSTALLATION. GC IS TO PAINT UNISTRUT PRIOR TO LIGHTING INSTALLATION

EXTERIOR LIGHT FIXTURE LEGEND

SYMBOL	DESCRIPTION
EXF-1	DESCRIPTION: OUT DOOR FAN MANUF: MATHEWS FAN COMPANY/LIGHTING NEW YORK MODEL: DCJK-BN-MTL – NO LIGHT KIT USED LAMP/WATTS: 15W REMARKS: NOTE: PURCHASED BY OWNER, INSTALLED BY GC INSTALL WITH EXTENSION RODS. DESIGNER TO PROVIDE B/FIXTURE
EXH-1	DESCRIPTION: EXTERIOR HEATER ROD MOUNTED MANUF: BROMIC MODEL: 6000W SERIES, TUNGSTEN SMART ELEC WITH TUNGSTEN ELEC MOUNTING POLES FINISH: BLACK NOTE: THESE ARE POLE MOUNTED, B/FIXTURE IS AT 10'-0" PURCHASED BY GC & INSTALLED BY GC GC TO PURCHASE RODS LENGTH DETERMINED BY DESIGNER
EXST-1	DESCRIPTION: MANUF: AMERICAN LIGHTING MODEL: FINISH: BLACK LAMP: LED SIGN LIGHT BULB .65 WATTS MEDIUM BASE, SUN WARM WHITE, PLASTIC BULB AND NO TAIL ON STRING LIGHTS NOTE: PURCHASED BY OWNER INSTALLED BY GC COMMERCIAL GRADE HEAVY DUTY OUTDOOR STRING LIGHTS
EXWS-1	DESCRIPTION: WALL SCONCE ENAMEL SHADE MNFR: REJUVENATION MODEL: CARSON 12" WALL SCONCE FINISH: GALVANIZED SHADE: GLOSS HONEY YELLOW LAMP:4.5W LED/FILAMENT STYLE – PURCHASED BY OWNER INSTALLED BY GC NOTE: PURCHASED BY OWNER INSTALLED BY GC.
EXWS-2	DESCRIPTION: EXTERIOR STAR LIGHT MANUF: ARCHER SIGNS MODEL: CUSTOM REVERSE LIT/EDGE LIT METAL STAR FINISH: BLACK LAMP: 32 WATT LED NOTE: PURCHASED BY OWNER INSTALLED BY OWNER'S SIGN INSTALLER
EXEM-1	EMERGENCY EXTERIOR WALL SCONCE LIGHT NEW 2 LAMP LED WALL SCONCE WITH INTEGRAL PHOTOCELL WITH INTEGRAL BATTERY BACK UP MNFR: LITHONIA – MODEL: WDGE2-LED-P2-30K-80CRI-T3M-MVOLT-SRM-E10WH-PE-DBLXD
EXD-2	DESCRIPTION:1 LAMP EXTERIOR EXPOSED PORCELAIN MARQUEE LIGHT MANUF: ARCHER SIGNS FINISH: BLACK LAMP: 4.5W LED/FILAMENT STYLE – PURCHASED BY OWNER INSTALLED BY GC SIZE: VARIES – 2 SIZES PER CANOPY NOTE: PURCHASED BY OWNER, INSTALLED BY GC. GC TO PROVIDE INTERMEDIARY SUPPORTS AS NEEDED AND BLACK METAL TRIM PIECES. EACH FIXTURE HAS ONE WHIP

NOTE:
1. **VERIFY ALL EXTERIOR MOUNTING HEIGHTS WITH ARCHITECT & DESIGNER PRIOR TO INSTALLATION.**
   ALL EXTERIOR LIGHTS PURCHASED BY OWNER & INSTALLED BY GC.

PERMIT
REVISION #1

OWNER RELEASE: I HAVE REVIEWED THESE DRAWINGS FOR DESIGN INTENT AND HEREBY CERTIFY THAT THEY CONFORM IN ALL RESPECTS TO MY DESIGN CRITERIA AND ARE APPROVED.

BY:_____ DATE:_____

THESE DRAWINGS MAY HAVE BEEN REPRODUCED AT A SIZE DIFFERENTLY THAN ORIGINALLY DRAWN. OWNER AND ARCHITECT ASSUME NO RESPONSIBILITY FOR USE OF INCORRECT SCALE.

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NO	DATE	DESCRIPTION
1	04.25.25	ISSUE FOR PERMIT
2	05.14.25	PERMIT REVISION 1

STATE OF MISSOURI
WILLIAM D. WARNER
NUMBER A-2025012951
ARCHITECT

DATE: 05/14/2025
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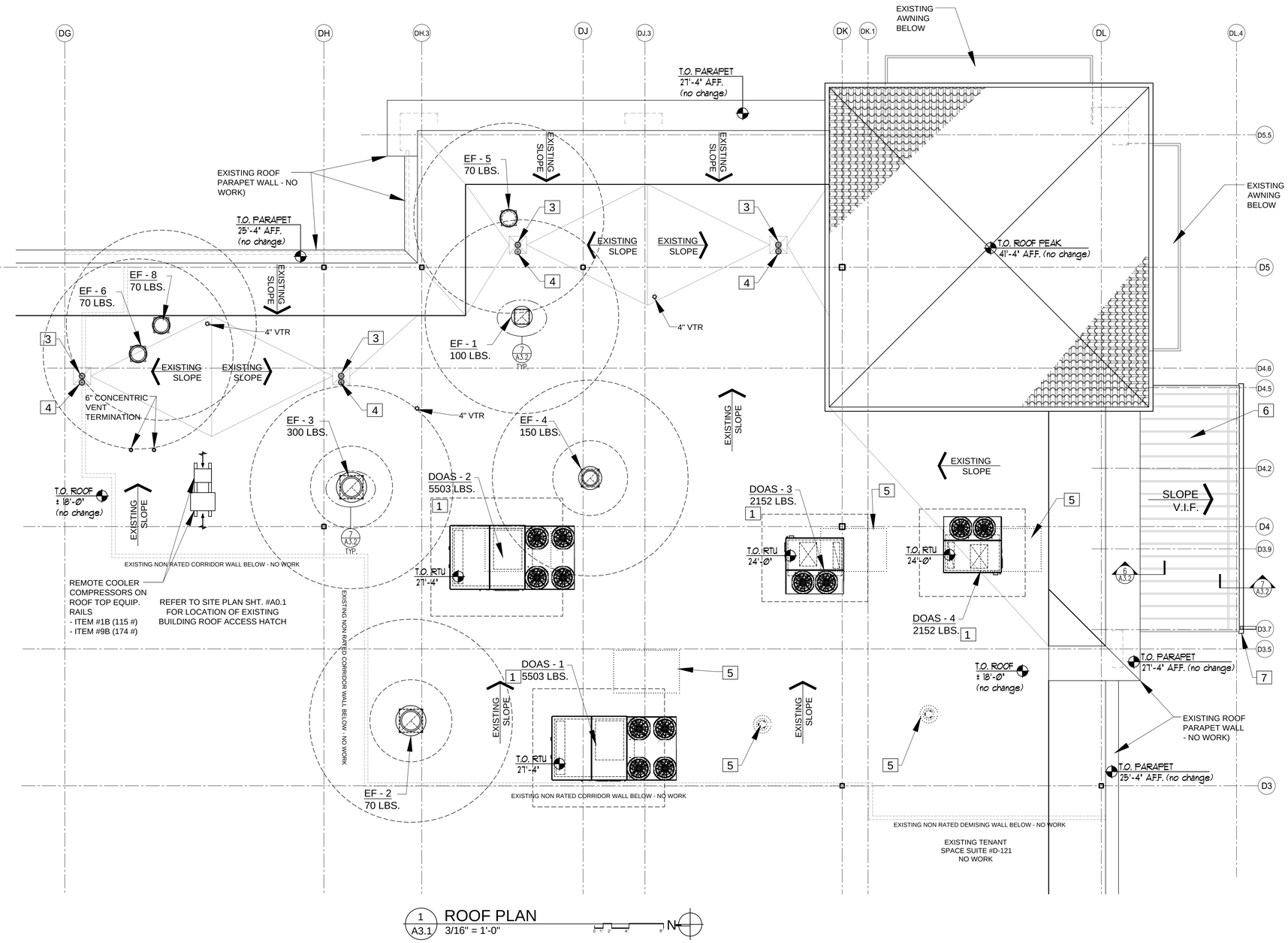
LIGHT FIXTURE SCHEDULE

JOB NO: ANCHO-SUMMIT FAIR
DATE: 05.14.2025
SHEET NO: A2.3



1 A3.1 ROOF PLAN
3/16" = 1'-0"

ROOF PLAN NOTES:

1. ANY ROOF PENETRATIONS NEED TO BE COORDINATED WITH LANDLORD'S ROOFING COMPANY: SCHEFERS ROOFING COMPANY, LANCE SCHEFERS lance@schefersroofing.com or BRIAN GEDWILLO,briang@schefersroofing.com (816) 847-1002 (OFFICE)
2. REFER TO SHEET #M2.0 FOR ROOFTOP MECHANICAL DEMOLITION PLAN.
3. ALL ROOF PENETRATION WORK TO BE DONE BY APPROVED ROOFING CONTRACTOR.
4. COORDINATE EXACT LOCATION OF ROOFTOP EQUIPMENT WITH STRUCTURE BELOW. REFER TO STRUCTURAL DRAWINGS FOR ENGINEERED PLACEMENT.
5. COORDINATE ALL EQUIPMENT, DUCT SIZES, LOCATIONS AND REQUIREMENTS WITH MECHANICAL DRAWINGS.
6. PROVIDE FLASHING, COUNTER FLASHING AND SEAL ALL ROOF CURBS AND PENETRATIONS PER EXISTING ROOFING SYSTEM.
7. ROOFING CONTRACTOR TO INSPECT EXISTING ROOF OVERALL AND PROVIDE TENANT/CLIENT FOR SEPARATE PRICING FOR ANY ADDITIONAL REPAIRS NEEDED.
8. COORDINATE WITH MECHANICAL AND PLUMBING DRAWINGS FOR VTR AND FLUE DETAILS.
9. PROVIDE CRICKETS ON ALL ROOFTOP EQUIPMENT CURBS AS SHOWN ON PLAN. VERIFY ROOF PITCH AND COORDINATE EXACT ORIENTATION AS REQUIRED.
10. PATCH AND REPAIR ROOFING MEMBRANE SYSTEM AT ALL REMOVED OR MODIFIED ITEMS, IF APPLICABLE. MATCH EXISTING ROOFING SYSTEM, ROOF ASSEMBLY, AND DETAILS.
11. ALL ABANDONED PENETRATIONS THRU ROOF TO BE PATCHED TO WEATHERTIGHT CONDITION.
12. ALL OPENINGS CREATED BY ANY PENETRATIONS, FOR UTILITIES, STRUCTURE, SIGNAGE, ETC., SHALL BE FILLED WITH MINERAL WOOL AND FIRE CAULKED AS REQUIRED TO MEET HOURLY FIRE RATING.
13. PROVIDE TAPERED RIGID INSULATION AS NECESSARY AND WHERE INDICATED TO PROVIDED POSITIVE PITCH TO DRAIN.
14. ROOFING DETAILS SHOW DESIGN INTENT FOR EACH CONDITION. WORK TO BE PERFORMED USING ROOFING MANUFACTURER'S MATERIALS, DETAILS, AND SPECIFICATIONS.
15. REFER TO MECHANICAL AND KITCHEN EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
16. ALL FRESH AIR INTAKES SHALL BE LOCATED 15'-0" MIN. AWAY FROM ALL EXHAUST, VENT, OUTLETS, OR OTHER SOURCES OF CONTAMINATES.
17. ROOFTOP MECHANICAL EQUIPMENT LOCATION IS SHOWN APPROXIMATE. REFER TO MECHANICAL AND STRUCTURAL DRAWINGS FOR REQUIRED LOCATIONS.
18. GENERAL CONTRACTOR SHALL FIELD VERIFY LOCATION OF PROPOSED ROOFTOP EQUIPMENT IN RELATION TO THE JOIST, DUCTS, SYSTEMS PIPES AND ALL STRUCTURE BELOW. REPORT ANY DISCREPANCIES AND ADJUST THE EQUIPMENT LOCATION TO WORK IN THE FIELD.
19. ROOFING WORK REQUIRED AS A RESULT OF TENANT PENETRATIONS SHALL BE COMPLETED BY TENANT AS PART OF TENANT'S WORK. TENANT MUST CONTRACT WITH LANDLORD'S ROOFING CONTRACTOR TO COMPLETE ANY SUCH ROOFING WORK IN ORDER TO MAINTAIN LANDLORD'S ROOF WARRANTY.

KEYED ROOF NOTES:

1. NEW REPLACEMENT RTU AND CURB or ADAPTER. VERIFY SIZE AND LOCATION OF OPENINGS IN THE FIELD. NOTIFY ARCHITECT IMMEDIATELY IF DIFFERENT. PROVIDED TAPERED ROOF CRICKET FOR CURB AS SHOWN ON DWGS. REFER TO STRUCTURAL AND MECHANICAL DRAWINGS AND MANUFACTURER CUT-SHEETS.
2. NEW KITCHEN EXHAUST FAN FOR KITCHEN EQUIPMENT. VERIFY SIZE AND LOCATION OF OPENINGS IN THE FIELD. NOTIFY ARCHITECT IMMEDIATELY IF DIFFERENT. PROVIDED TAPERED ROOF CRICKET FOR CURB AS SHOWN ON DWGS. REFER TO KITCHEN and MECHANICAL DRAWINGS AND MANUFACTURER CUT-SHEETS.
3. EXISTING ROOF DRAIN. VERIFY DRAIN SYSTEM IS IN OPTIMAL WORKING CONDITION AND DRAIN IS FREE AND CLEAR OF DEBRIS.
4. EXISTING OVERFLOW ROOF DRAIN. VERIFY DRAIN SYSTEM IS IN OPTIMAL WORKING CONDITION AND DRAIN IS FREE AND CLEAR OF DEBRIS.
5. REMOVE EXISTING ROOFTOP EQUIPMENT. PATCH AND INFILL ROOF SYSTEM TO BE FLUSH WITH EXISTING ADJACENT ROOFING ASSEMBLY FOR POSITIVE DRAINAGE. VERIFY WITH ROOFING MEMBRANE MANUFACTURER FOR APPROVED INFILL/PATCH SYSTEM. REFER TO SHT. #M2.0 FOR MECH. DEMO. PLAN & NOTES.
6. PRE-FINISH 'PAC-CLAD' STANDING SEAM METAL ROOF SYSTEM WITH ICE/SNOW GUARDS, COLOR: GRANITE - REFER TO EXTERIOR ELEVATIONS FOR DETAILS.
7. CONT. 3"x5" PRE-FINISH ALUM. SEAMLESS BOX GUTTER WITH 3.5"x4" DOWNSPOUT SYSTEM, COLOR: MATT BLACK - REFER TO EXTERIOR ELEVATIONS FOR DETAILS.

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1	04.25.25	ISSUE FOR PERMIT

REFER TO SHT. # M2.0 FOR MECHANICAL DEMOLITION PLAN AND NOTES.

REFER TO MECHANICAL DRAWINGS FOR ALL ROOFTOP MECHANICAL NEW AND REPLACEMENT EQUIPMENT, CURBS, ADAPTERS, PENETRATIONS, LOCATIONS, AND SPECIFICATIONS.

STATE OF MISSOURI
WILLIAM D. WARNER
NUMBER
A-2025012951
ARCHITECT
DATE: 04/25/2025
EXP. DATE: 12/31/2025

ANCHO & AGAVE
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ROOF PLAN

JOB NO:	SHEET NO:
ANCHO - SUMMIT FAIR	A3.1
DATE: 04.25.2025	

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OWNER RELEASE: I HAVE REVIEWED THESE DRAWINGS FOR DESIGN INTENT AND HEREBY CERTIFY THAT THEY CONFORM IN ALL RESPECTS TO MY DESIGN CRITERIA AND ARE APPROVED.

BY _____ DATE _____

THESE DRAWINGS MAY HAVE BEEN REPRODUCED AT A SIZE DIFFERENTLY THAN ORIGINALLY DRAWN. OWNER AND ARCHITECT ASSUME NO RESPONSIBILITY FOR USE OF INCORRECT SCALE.

DO NOT SCALE DRAWINGS

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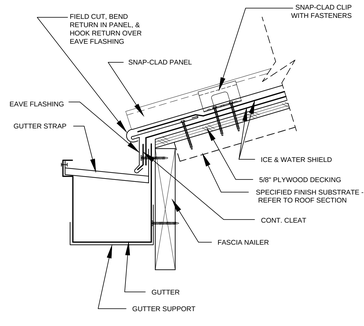
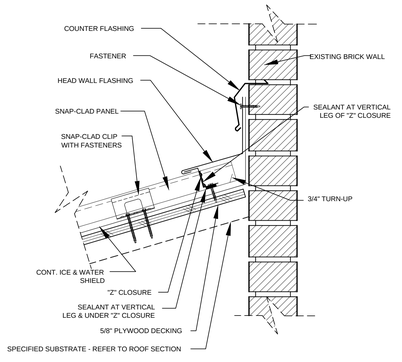
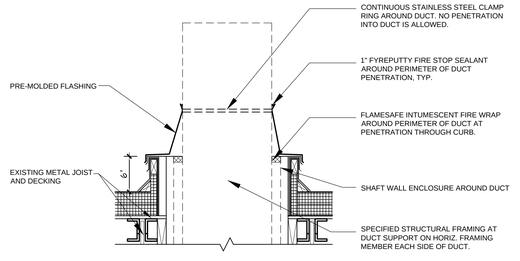


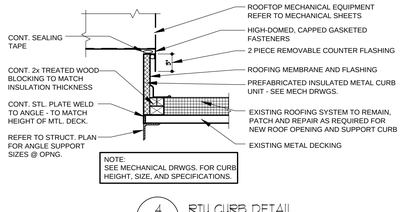
7 A3.2 STANDING SEAM ROOF @ GUTTER
SCALE: NO SCALE



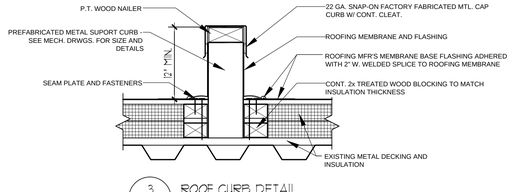
6 A3.2 STANDING SEAM ROOF @ VERTICAL MASONRY WALL
SCALE: NO SCALE



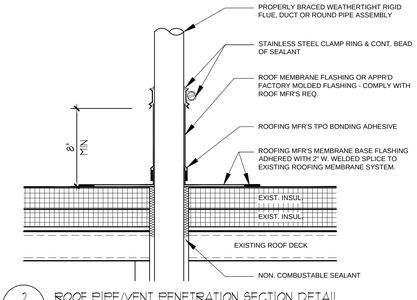
5 A3.2 EXHAUST ROOF PENETRATION & FLASHING DETAIL
SCALE: NO SCALE



4 A3.2 RTU CURB DETAIL
SCALE: NO SCALE

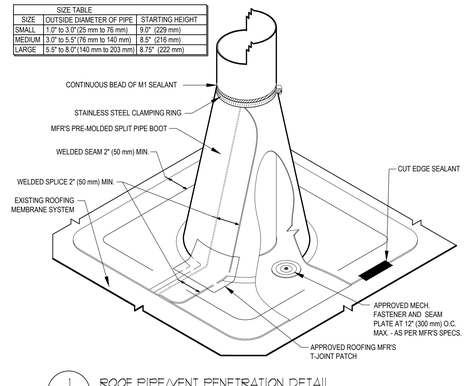


3 A3.2 ROOF CURB DETAIL
SCALE: NO SCALE



2 A3.2 ROOF PIPE/VENT PENETRATION SECTION DETAIL
SCALE: NO SCALE

SIZE TABLE		
SIZE	OUTSIDE DIAMETER OF PIPE	STARTING HEIGHT
SMALL	1.0" to 3.0" (25 mm to 76 mm)	9.0" (229 mm)
MEDIUM	3.0" to 5.5" (76 mm to 140 mm)	8.5" (216 mm)
LARGE	5.5" to 8.0" (140 mm to 203 mm)	8.75" (222 mm)



1 A3.2 ROOF PIPE/VENT PENETRATION DETAIL
SCALE: NO SCALE

STATE OF MISSOURI
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ROOF DETAILS:

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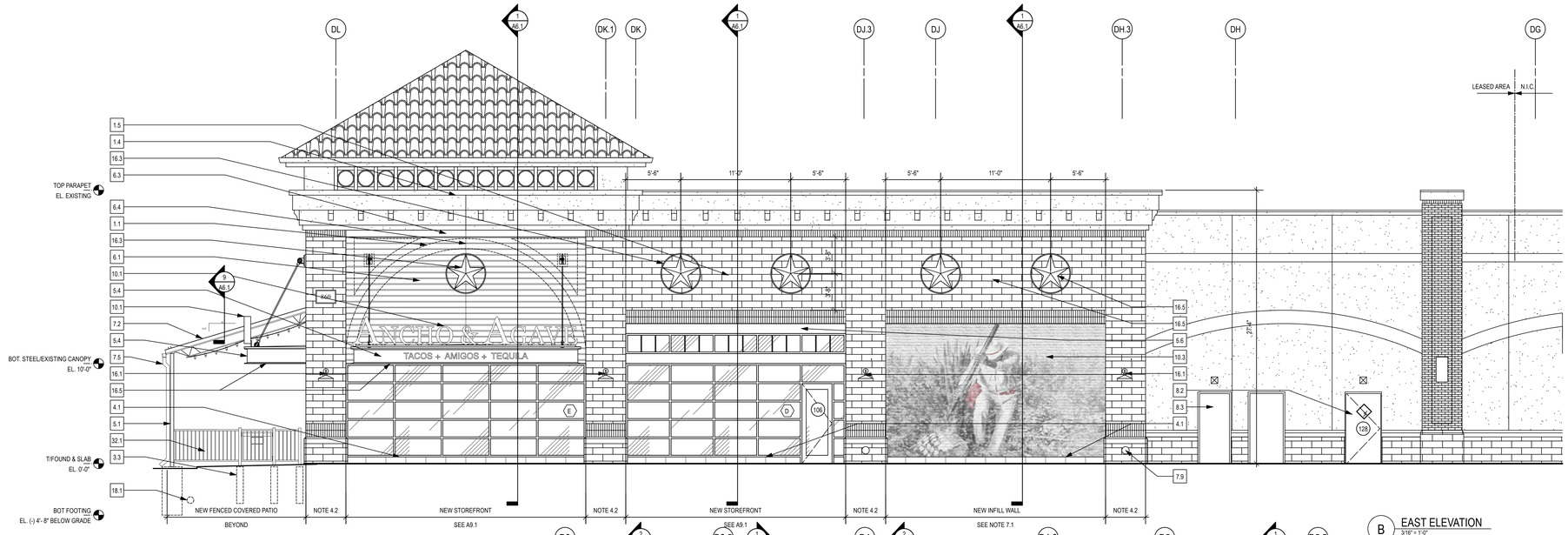
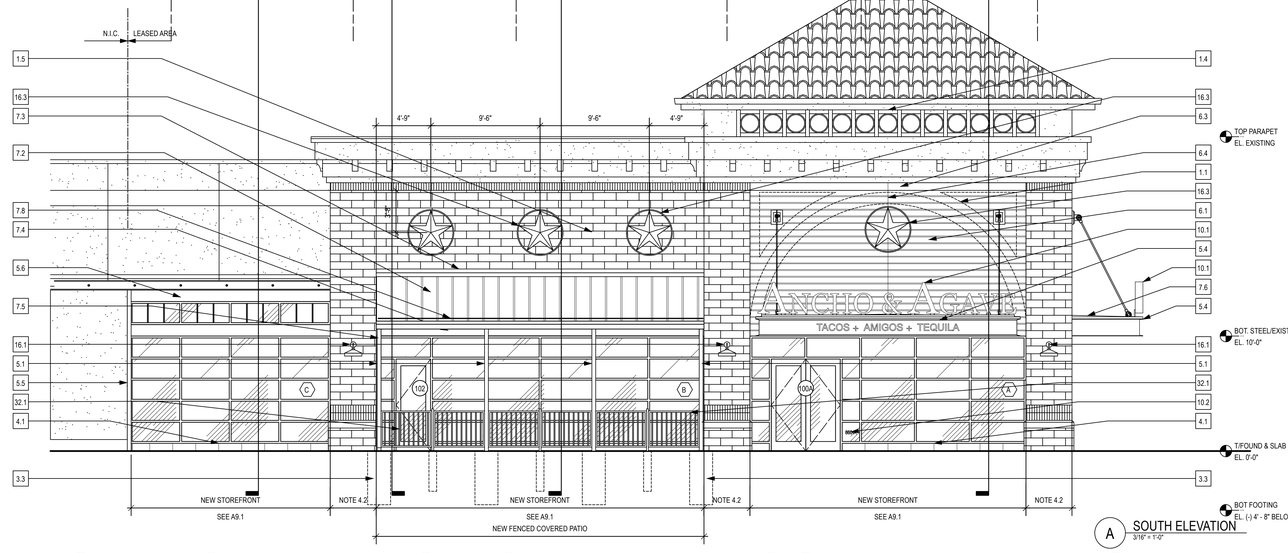
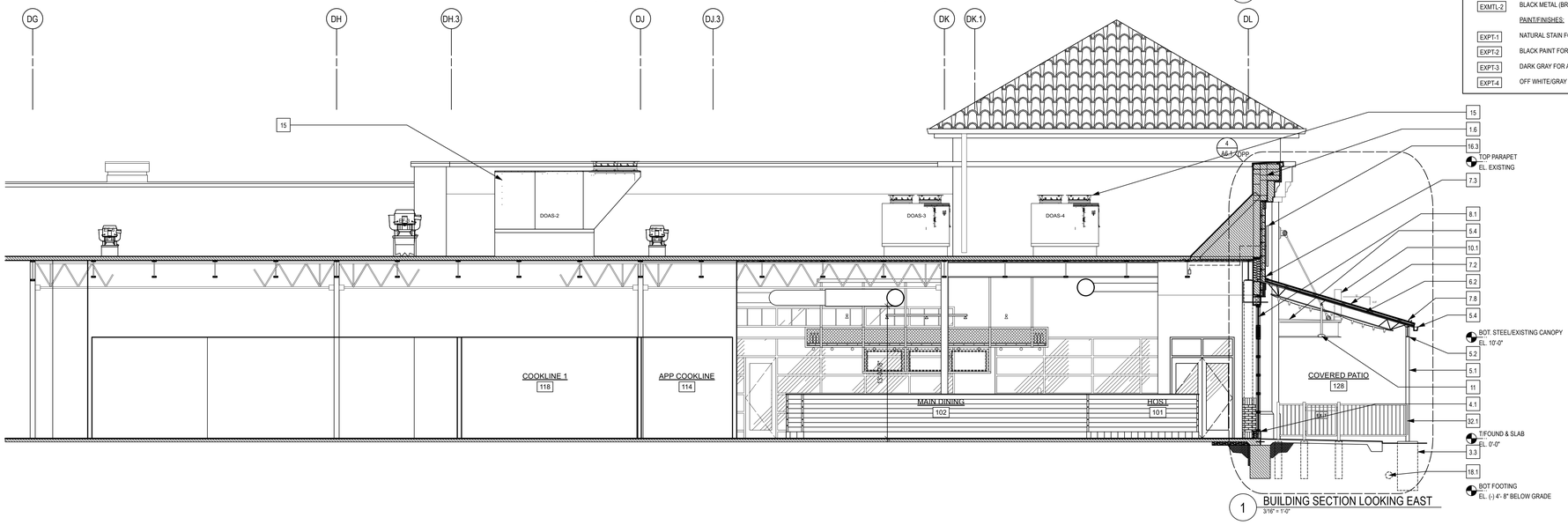
DATE: 04.25.2025
SHEET NO: A3.2



B EAST ELEVATION
3/16" = 1'-0"



A SOUTH ELEVATION
3/16" = 1'-0"



1 BUILDING SECTION LOOKING EAST
3/16" = 1'-0"

EXTERIOR ELEVS/BUILDING SECTIONS KEYED NOTES:

1.0 GENERAL
1.1 LINE OF EXISTING TO BE DEMO'D – SEE DEMOLITION DRAWINGS
1.2 LINE OF WALL/PARAPET BEYOND
1.3 OPEN TO COVERED PATIO BEYOND
1.4 CLEAN EXISTING FACADE OF DIRT/STAINING, TYP.
1.5 CLEAN/REPAIR EXISTING FACADE WHERE SIGNAGE REMOVED
1.6 SHADED AREA INDICATED EXISTING CONSTRUCTION

2.0 SITE WORK – SEE CIVIL DRAWINGS

3.0 CONCRETE – SEE STRUCTURAL DRAWINGS
3.1. CONCRETE SLAB – SEE STRUCTURAL
3.2 CONCRETE CURB & SIDEWALK – SEE CIVIL
3.3 CONCRETE FOOTINGS/FOUNDATIONS

4.0 MASONRY
4.1 8" H CAST STONE TO MATCH EXISTING - EXSTN-1
4.2 EXISTING STONE/BRICK

5.0 METALS – ALL EXTERIOR METAL FINISH EXPT-2 U.N.O.
5.1 STEEL COLUMN – SEE STRUCTURAL
5.2 STEEL BEAM – SEE STRUCTURAL
5.3 STEEL JOIST – SEE STRUCTURAL
5.4 EXISTING METAL AWNINGS TO BE PAINTED, EXPT-2
5.5 REPLACE BREAK METAL FILLER TO MATCH NEW STOREFRONT
5.6 BREAK METAL @ TOP OF STOREFRONT INFILL - EXMTL -2

6.0 WOOD & PLASTICS
6.1 V-GROOVE CEMENT SIDING. JAMES HARDIE ARTISAN SIDING, SMOOTH. PREPAINT BEFORE INSTALLATION ; EXPT-3
6.2 TONGUE & GROOVE 2 X 6 CEDAR CEILING. EXPT-1
6.3 HARDIE 5/4 TRIM; EXPT-4
6.4 VERTICAL JOINT OF MATERIALS CENTERED/ALIGNED

7.0 THERMAL & MOISTURE PROTECTION
7.1 FAUX "FINISH" @ MURAL
7.2 STANDING SEAM METAL ROOF - EXMTL-1
7.3 FLASHING
7.4 OVERSIZED PREFINISHED METAL GUTTER - EXMTL-2
7.5 OVERSIZED PREFINISHED METAL DOWNSPOUT - EXMTL-2
7.6 NEW HIP/PITCHED MEMBRANE ROOF @ EXISTING CANOPY
7.7 METAL COPING @ CANOPY
7.8 SNOW/ICE GUARD
7.9 EXISTING ROOF OVERFLOW DISCHARGE

8.0 DOORS & WINDOWS – SEE SCHEDULE SHT A-9.1
8.1 NEW STOREFRONT SYSTEM
8.2 HOLLOW METAL DOOR & FRAME
8.3 EXISTING DOOR. REMOVE HARDWARE AND SEAL DOOR CLOSED
8.4 HARDWARE (SEE SCHEDULE)

10.0 SPECIALTIES
10.1 **SIGNAGE (UNDER SEPARATE PERMIT; INSTALLED BY OTHERS)**
10.2 LOCATION OF BUILDING ADDRESS. VERIFY TEXT STYLE W/ ARCHITECT & EXACT ADDRESS W/ VILLAGE
10.3 MURAL BY OWNER
10.4 KNOX BOX - VERIFY LOCATION W/ OWNER & FIRE MARSHALL

11.0 EQUIPMENT

15.0 MECH – SEE MECH DRAWINGS

16.0 ELECTRICAL – SEE ELEC. DRAWINGS & RCP FOR MOUNTING HEIGHTS
16.1 EXTERIOR WALL SCONCE SUPPLIED BY OWNER (REPLACE EXISTING)
16.2 EXTERIOR WALL SCONCE SUPPLIED BY OWNER (NEW)
16.3 EXTERIOR STAR LIGHT SUPPLIED BY OWNER
16.4 EXTERIOR STRING LIGHT (W/ WIRE SUPPORT)
16.5 MARQUIS LIGHTS ON EXISTING CANOPY - SEE A-6.1

18.0 PLUMBING – SEE PLUMBING DRAWINGS
18.1 LINE OF EXISTING STORM - V.I.F.

32.0 EXTERIOR IMPROVEMENTS
32.1 NEW METAL FENCE/GATE @ PATIO PERIMETER , EXPT-2

EXTERIOR FINISH LEGEND:

NOTE: SEE FINISH LEGEND SHT A9.2 FOR COMPLETE INFO. AND SEE INTERIOR ELEVATIONS FOR INTERIOR FINISHES

MASONRY:
EXCONC-1 CONCRETE SIDEWALK - MATCH MALL STANDARD
EXSTN-1 2 1/4" X 7 5/8" CAST STONE TO MATCH EXISTING

WOOD:
EXWD-1 JAMES HARDIE ARTISAN V-GROOVE SIDING
EXWD-2 STAINED 1 X 6 TONGUE & GROOVE CEDAR

METALS:
EXMTL-1 STANDING SEAM METAL ROOF: GRANITE
EXMTL-2 BLACK METAL (BREAK METAL, DOWNSPOUTS, ETC)

PAINT/FINISHES:
EXPT-1 NATURAL STAIN FOR CEDAR
EXPT-2 BLACK PAINT FOR METALS
EXPT-3 DARK GRAY FOR ARTISAN V-GROOVE SIDING
EXPT-4 OFF WHITE/GRAY FOR TRIM

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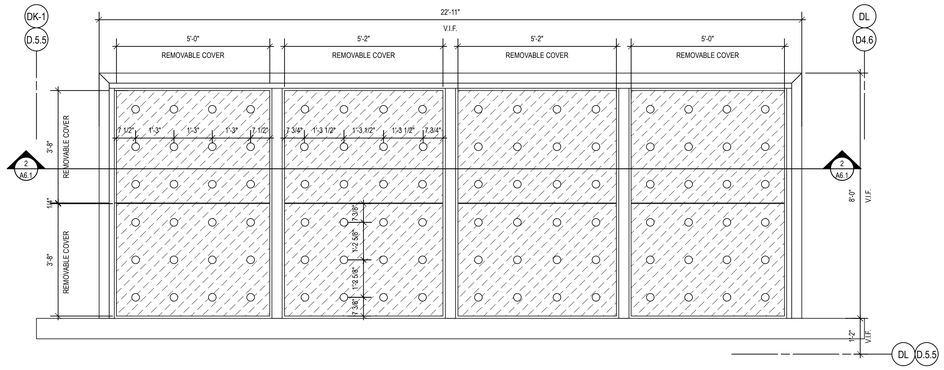
EXTERIOR ELEVATIONS & BUILDING SECTION

JOB NO: ANCHO - SUMMIT FAIR
DATE: 04.25.2025
SHEET NO: A-4.1



FLOOR/FOUNDATION

1. **EXISTING CONCRETE SLAB :**
   - VERIFY FINISH
2. **INTERIOR CONCRETE SLAB NEW/PATCH/REPAIR:**
   - CONCRETE SLAB W/ W.W.F. OVER GRANULAR FILL- REFER TO STRUCT- NOTE: MATCH EXISTING @ FRONT OF HOUSE
   - 10 MIL VAPOR BARRIER
   - EXPANSION JOINTS
   - FLOOR FINISH PER SCHEDULE
   - DEPRESS SLAB FOR FLOOR FINISH - SEE SHT. A-1.5
3. EXCONC-1 **EXTERIOR CONCRETE SLAB:**
   - CONCRETE SLAB W/ W.W.F. OVER GRANULAR FILL- REFER TO CIVIL
   - 10 MIL VAPOR BARRIER
   - BROOM FINISH W/ EXPANSION JOINTS TO MATCH MALL STANDARD SIDEWALKS
   - PITCH TO DRAIN
4. **FOUNDATION SYSTEM @ PATIO COLUMNS:**
   - REINFORCED CONCRETE FOUNDATION WALL & FOOTING - SEE STRUCT.
   - SEE DTL S1.1

WALL

5. **WINDOW/STOREFRONT 4 1/2" DEEP :**
   - 2" WIDE FRAME X 4 1/2" DEEP FRAME AT ALL JAMBS, SILLS, HEADS, AND ALL VERTICALS (REINFORCE AS REQ.)
   - INSULATED METAL SPANDREL BELOW TRANSOM (EXTERIOR AND INTERIOR)
   - 7/8" SIMULATED DIVIDED LITES W/ SPACER BAR @ TRANSOMS
   - 1" CLEAR INSULATED GLASS CENTERED ON STOREFRONT
   - SEALANT AND BACKER ROD @ PERIMETER, TYP.
   - PREFINISHED COLOR: MATTE BLACK
6. **WALL CONSTRUCTION @ INFILL ABOVE NEW STOREFRONT:**
   - BREAK METAL (MATCH STOREFRONT)
   - WRB/DRAINAGE BARRIER (TYVEK DRAINWRAP OR SIM.) - OVERLAP & TAPE SEAMS
   - 5/8" DENSGLASS SHEATHING INSTALLED PER MANUF. SPEC
   - 8" MTL. STUDS @ 16"O.C. CENTERED ON EXISTING BEAM
   - SEALANT AND BACKER ROD @ PERIMETER, TYP.
   - MIN. R-19 CAVITY INSULATION
   - 5/8" GYP BOARD INTERIOR WALL REFER TO FINISH PLAN FOR TYPE
7. **WALL CONSTRUCTION @ MURAL WALL:**
   - "CEMENT" FINISH BY FAUX PAINTER
   - 1/2" CEMENT BOARD
   - WRB/DRAINAGE BARRIER (TYVEK DRAINWRAP OR SIM.) - OVERLAP & TAPE SEAMS
   - 5/8" DENSGLASS SHEATHING INSTALLED PER MANUF. SPEC
   - 6" MTL. STUDS @ 16"O.C.
   - MIN. R-19 CAVITY INSULATION
   - INTERIOR WALL FINISH/BUILD OUT - REFER TO PLAN
8. EXWD-1 **WALL CONSTR. ABOVE EXISTING CANOPY @ CEMENT BOARD:**
   - JAMES HARDIE ARTISAN 'V' GROOVE SIDING, SMOOTH FINISH EXPT-2
   - 3/4" FIRE RESISTANCE VERTICAL FURRING AS REQUIRED FOR FLUSH SURFACE
   - 5/8" DENSGLAS SHEATHING SECURED TO EXISTING FRAMING
   - COR-A-VENT SV-3 @ BASE OF WALL TO ALLOW FOR DRAINAGE

ROOF

9. EXMTL-1 **ROOF SYSTEM @ PATIO:**
   - STANDING SEAM METAL ROOF (~ PAC CLAD OR SIMILAR) INSTALLED PER MANUF SPEC.; COLOR: EXMTL-1; SNOWICE GUARDS
   - METAL DRIP EDGE TO MATCH ROOF FINISH
   - CONT. ICE & WATER SHIELD
   - 5/8" FIRE RETARDANT PLYWOOD SHEATHING GLUED & SCREWED TO PURLINS (LEAVE SPACE TO R@NLELECTRICAL)
   - EXWD-2 2 X 6 TONGUE & GROOVE CEDAR (TREATED W/ FIRE RETARDANT) - FINISH EXPT–1 AT SIDES
   - RAFTERS/TRUSSES PER STRUCTURAL - PREFINISH EXPT-2
10. **ROOF SYSTEM @ EXISTING CANOPY:**
    - FULLY ADHERED MEMBRANE ROOF SYSTEM (DARK GRAY)
    - 3/4" NONCOMBUSTIBLE ROOF SHEATHING ATTACHED TO FIRE RETARDANT ROOF JOISTS PITCHED FOR SLOPE 1/4" PER FT
    - METAL EDGE/DRIP: EXMTL-2
    - LIGHT FIXTURE W/ PERIMETER SURROUND FRAME TO MATCH FINISH; EXTML-2
    - EXISTING EXPOSED STEEL TO BE PAINTED EXPT-2

EXTERIOR FINISH LEGEND:

NOTE: SEE FINISH LEGEND SHT A5.2 FOR COMPLETE INFO. AND SEE INTERIOR ELEVATIONS FOR INTERIOR FINISHES

MASONRY:

EXCONC-1	CONCRETE SIDEWALK - MATCH MALL STANDARD
EXSTN-1	2 1/4" X 7 5/8" CAST STONE TO MATCH EXISTING

WOOD:

EXWD-1	JAMES HARDIE ARTISAN V-GROOVE SIDING
EXWD-2	STAINED 1 X 6 TONGUE & GROOVE CEDAR

METALS:

EXMTL-1	STANDING SEAM METAL ROOF: GRANITE
EXMTL-2	BLACK METAL (BREAK METAL, DOWNSPOUTS, ETC)

PAINT/FINISHES:

EXPT-1	NATURAL STAIN FOR CEDAR
EXPT-2	BLACK PAINT FOR METALS
EXPT-3	DARK GRAY FOR ARTISAN V-GROOVE SIDING
EXPT-4	OFF WHITE/GRAY FOR TRIM

ISSUE FOR PERMIT

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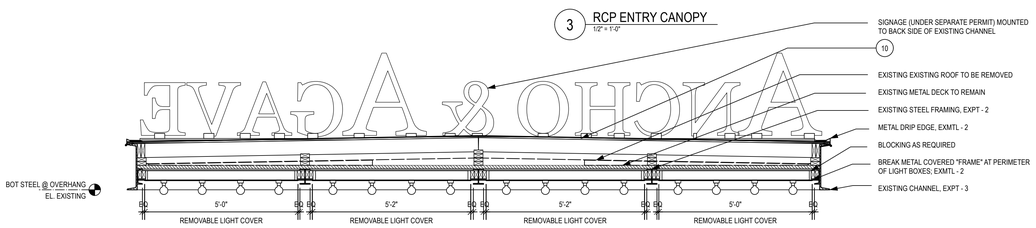

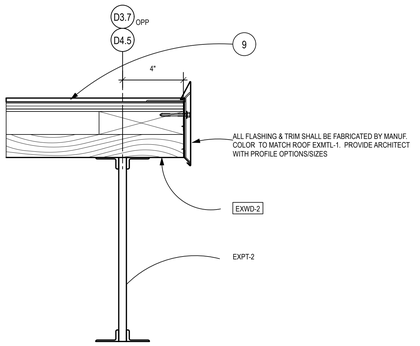

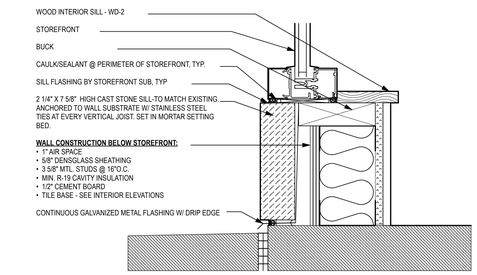

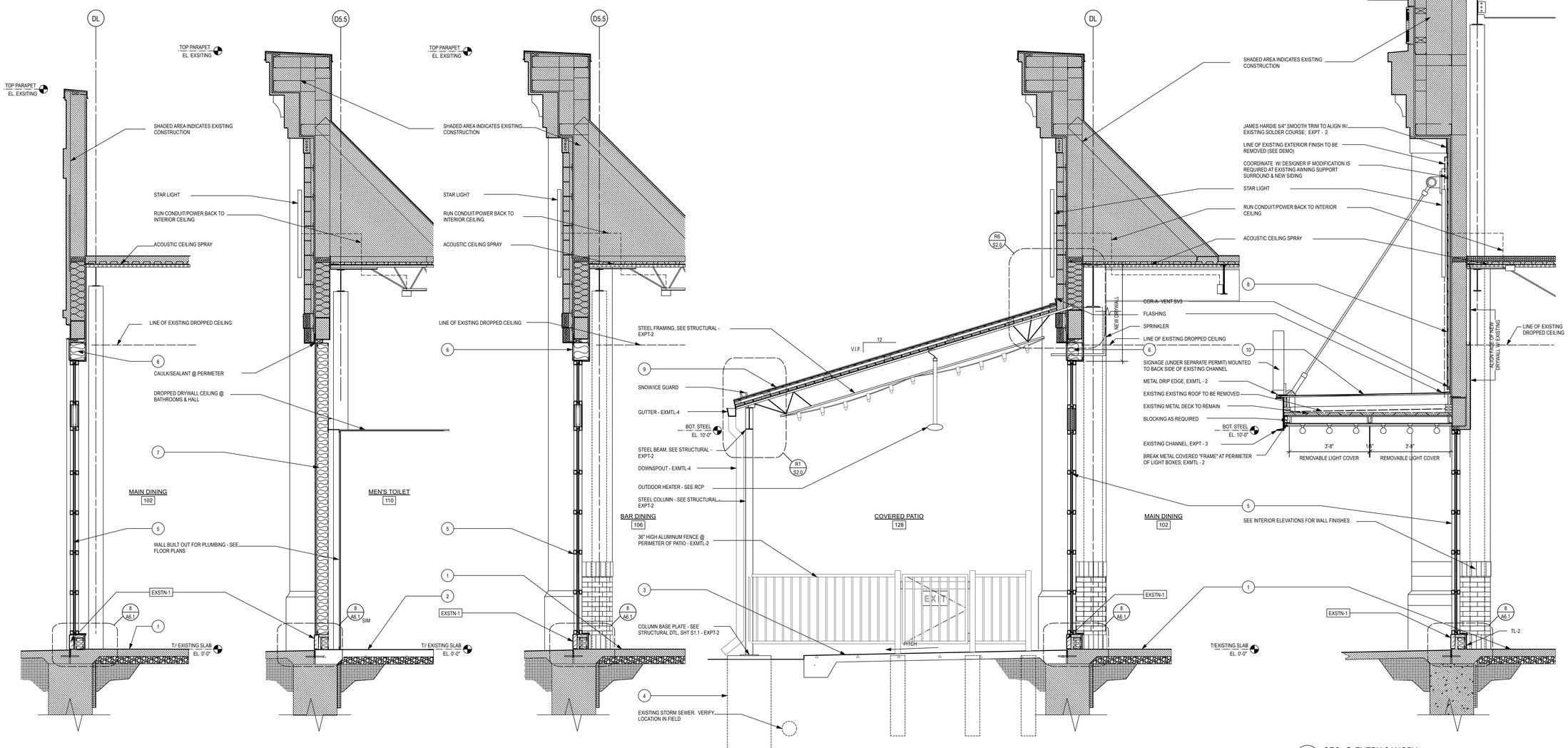

7 SEC. @ NEW SOUTH STOREFRONT 1/2" = 1'-0"

6 SEC. @ MURAL WALL 1/2" = 1'-0"

5 SEC. @ NEW EAST STOREFRONT 1/2" = 1'-0"

4 SEC. @ PATIO ROOF 1/2" = 1'-0"

1 SEC. @ ENTRY CANOPY 1/2" = 1'-0"

2 DTL. SEC. @ ENTRY CANOPY LOOKING NORTH 1/2" = 1'-0"

9 DTL/SEC. @ PATIO ROOF FASCIA 3" = 1'-0"

8 DTL/SEC. @ SILL 3" = 1'-0"

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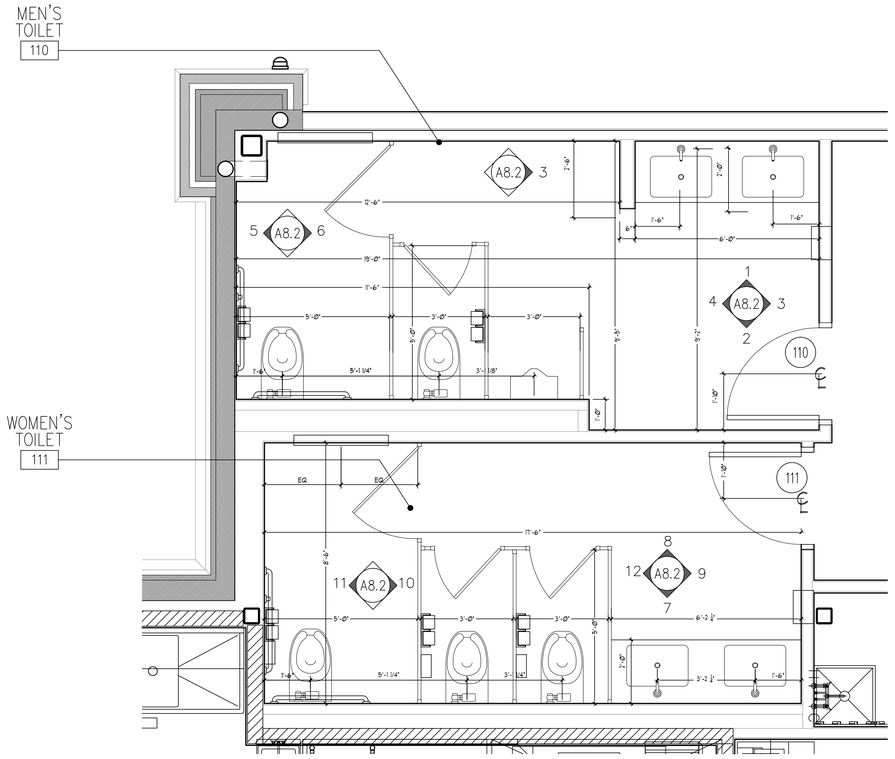
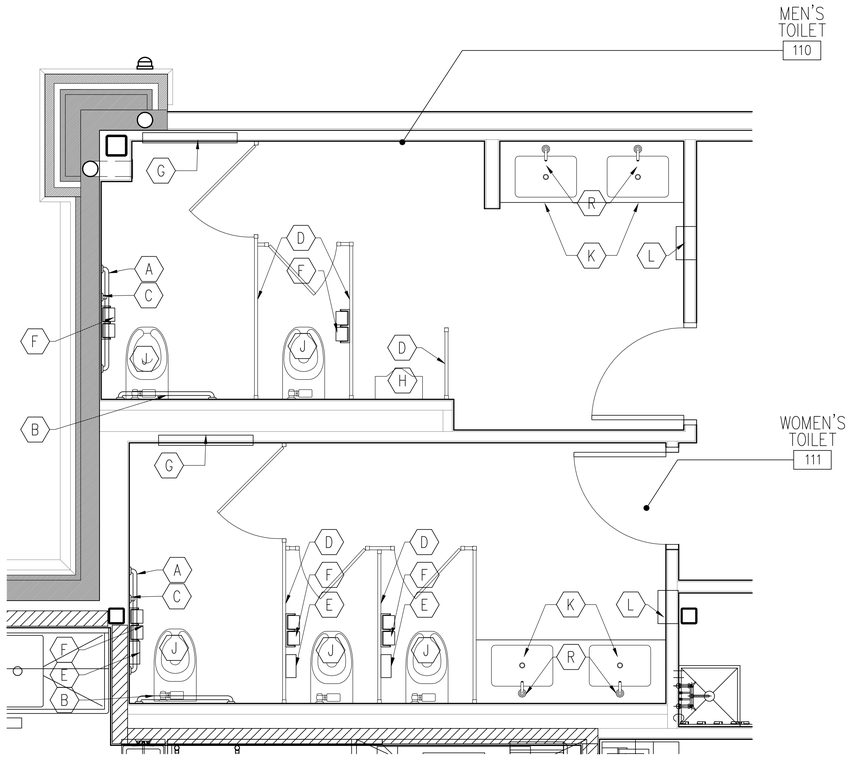
EXTERIOR WALL SECTIONS

JOB NO:	SHEET NO:
ANCHO - SUMMIT FAIR	A-6.1
DATE: 04.25.2025	



ENLARGED GUEST RESTROOM PLANS

SCALE: 1/2" = 1'-0"



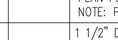
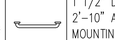
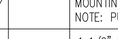
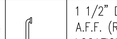
ENLARGED GUEST RESTROOM ACCESSORY PLANS

SCALE: 1/2" = 1'-0"

GENERAL NOTES

1. MOUNT ALL FIXTURES AND ACCESSORIES AT HEIGHTS CONFORMING TO ALL GOVERNING CODES AND A.D.A. REQUIREMENTS WHETHER OR NOT INDICATED.
2. SEE NOTE SECTION OF ITEM FOR RESPONSIBILITY
3. ALL MIRRORS TO HAVE 1" BEVELED EDGES, PROVIDED BY OWNER INSTALLED BY GC.
4. ALL PLUMBING FITTINGS ARE TO BE SUPPLIED BY GC. EVEN IF THE FIXTURE IS SUPPLIED BY OWNER.
5. MILLWORKER TO FABRICATE METAL FRAMED SHIP LAP PARTITIONS.
6. VERIFY SINK & FAUCET CUTOUT IN GUEST RESTROOMS PRIOR TO CUTTING OPENINGS FOR BOTH SINK AND FAUCETS.
7. PER EQUITABLE RESTROOMS ACT – SINGLE USE EMPLOYEE RESTROOMS ARE TO BE IDENTIFIED AS ALL-GENDER SPECIFIC AND SHALL BE OUTFITTED WITH SIGNAGE ON EXTERIOR SIDE OF WALL, HANDLE SIDE OF DOOR THAT IDENTIFIES AS SUCH. SIGNAGE PROVIDED BY OWNER.

GUEST RESTROOM ACCESSORY SCHEDULE

A		1 1/2" DIAMETER X 3'-6" LONG GRAB BAR MOUNTED 2'-10" A.F.F. (REFER TO TOILET ROOM PLAN FOR MOUNTING LOCATION) NOTE: PURCHASED & INSTALLED BY GC
B		1 1/2" DIAMETER X 3'-0" LONG GRAB BAR MOUNTED 2'-10" A.F.F. (REFER TO TOILET ROOM PLAN FOR MOUNTING LOCATION) NOTE: PURCHASED & INSTALLED BY GC.
C		1 1/2" DIAMETER X 1'-6" LONG GRAB BAR MOUNTED 3'-4" A.F.F. (REFER TO TOILET ROOM PLAN FOR MOUNTING LOCATION) –VERTICAL GRAB BAR NOTE: PURCHASED & INSTALLED BY GC.
D		CUSTOM TOILET PARTITION – STEEL POWDER COATED FRAME WITH PAINTED SHIP LAP PANELS SEE ELEVATIONS. NOTE: FABRICATED & INSTALLED BY GC'S MILLWORKER
E		SURFACE MOUNTED SANITARY NAPKIN DISPOSAL MOUNT TOP OF UNIT 2'-6" A.F.F. U.N.O. MODEL: BOBRICK # B-270 – CONTURA SERIES NOTE: PURCHASED BY OWNER & INSTALLED BY GC.
F		SURFACE MOUNTED DOUBLE ROLL TOILET TISSUE DISPENSER MODEL: TBD FINISH: BLACK NOTE: PURCHASED BY OWNER INSTALLED BY GC
G		HORIZONTAL RECESSED BABY CHANGING STATION KOALA BEAR CARE MODEL: KB110-SSRE FINISH: STAINLESS STEEL NOTE: PURCHASED BY OWNER, INSTALLED BY GC.
H		WALL MOUNTED URINAL MNFR: TOTO MODEL:0.5GPF LOW CONSUMPTION WALL MOUNT WASH OUT URINAL MODEL #:UT104EX COLOR: WHITE AUTO FLUSH VALVE: MNFR: SLOAN MODEL: URINAL FLUSH VALVE–G2 8180–1.0–GR NOTE: URINAL & FLUSH VALVES PURCHASED & INSTALLED BY GC.
J		WALL MOUNTED TOILET MNFR: TOTO MODEL: CT708U(G) COMMERCIAL FLUSHOMETER TOP SPUD WALL–HUNG TOILET COLOR: WHITE AUTO FLUSH VALVE: MNFR: SLOAN MODEL:G2 8111–1.28–GR COLOR: GRAPHITE NOTE: TOILET & FLUSH VALVE PURCHASED & INSTALLED BY GC.
K		DROP IN ADA VESSEL SINK MANUF:KOHLER MODEL: IRON PLAINS VESSEL SINK WITH OVERFLOW COLOR: WHITE SIZE:22 1/2"L X 14" W X 6" D LOCATION: TOP OF SINK TO BE NO HIGHER THAN 34" NOTE: PURCHASED BY OWNER & INSTALLED BY GC
L		WALL MOUNTED AUTOMATIC RECESSED TOWEL DISPENSER GEORGIA PACIFIC – MODEL: enMOTION 59466A FINISH: STAINLESS STEEL MOUNT AT ADA HEIGHT NOTE: PURCHASED BY OWNER & INSTALLED BY GC.
M		CUSTOM MIRROR: PURCHASED BY OWNER & INSTALLED BY OWNER'S INSTALLER
Q		ADA COMPLIANT – LAVATORY SCREEN MNFR: MILLWORKER NOTE: PURCHASED & INSTALLED BY GC'S MILLWORKER
R		GUEST – ADA AUTOMATIC FAUCET MNFR: KOHLER MODEL: TBD COLOR: BLACK NOTE: PURCHASED BY OWNER & INSTALLED BY GC.

G.C. TO PROVIDE BACKING IN WALL FOR ALL ACCESSORIES AS NECESSARY

ISSUE FOR PERMIT

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH CONSTRUCTION AND NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR CONFLICTS.

NO	DATE	DESCRIPTION
1	04.25.25	ISSUE FOR PERMIT

STATE OF MISSOURI
WILLIAM D. WARNER
NUMBER A-2025012951
ARCHITECT

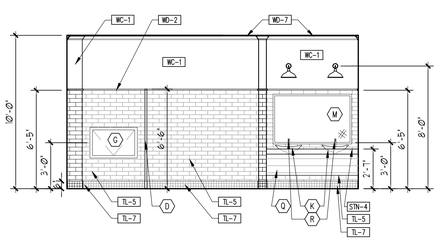
DATE: 04/25/2025
EXP. DATE: 12/31/2025

ANCHO & AGAVE
SUMMIT FAIR SHOPPING CENTER
D-BUILDING
860-A NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086

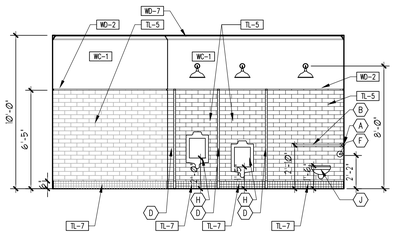
CARR WARNER
ARCHITECTS
ARCHITECTURE
INTERIORS
PLANNING
3711 N. RAVENSWOOD
SUITE #104
CHICAGO, ILLINOIS 60613
p 773-477-9009
f 773-477-6888
www.carrwarner.com

ENLARGED GUEST RESTROOM PLANS

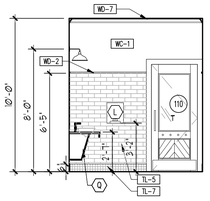
JOB NO: ANCHO - SUMMIT FAIR
DATE: 04.25.2025
SHEET NO: A8.1



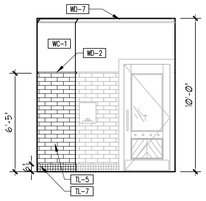
1 ELEVATION MEN'S RM 110
SCALE: 1/4" = 1'-0" EAST ELEVATION



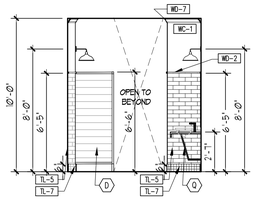
2 ELEVATION MEN'S RM 110
SCALE: 1/4" = 1'-0" WEST ELEVATION



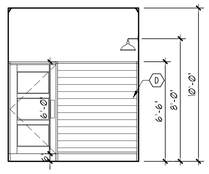
3 ELEVATION MEN'S RM 110
SCALE: 1/4" = 1'-0" SOUTH AT ENTRY TO RR - ELEVATION



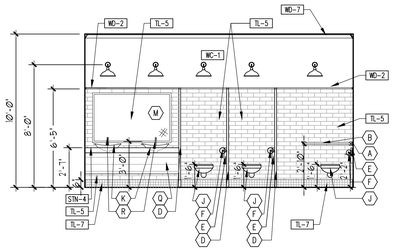
4 ELEVATION MEN'S RM 110
SCALE: 1/4" = 1'-0" SOUTH AT LAV - ELEVATION



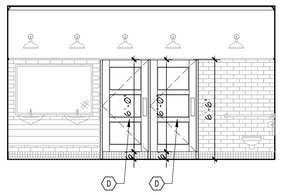
5 ELEVATION MEN'S RM 110
SCALE: 1/4" = 1'-0" NORTH AT ADA STALL - ELEVATION

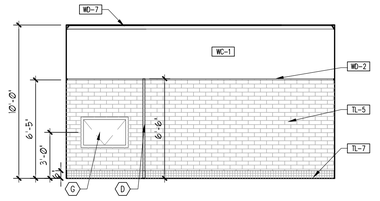


6 ELEVATION MEN'S RM 110
SCALE: 1/4" = 1'-0" NORTH AT RR ENTRY - ELEVATION

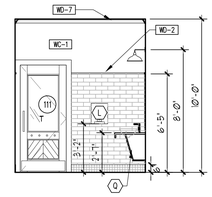


7 ELEVATION WOMEN'S RM 111
SCALE: 1/4" = 1'-0" EAST ELEVATION

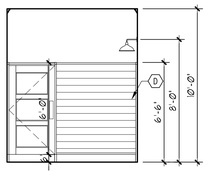




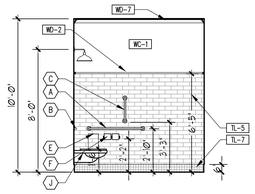
8 ELEVATION WOMEN'S RM 111
SCALE: 1/4" = 1'-0" WEST ELEVATION



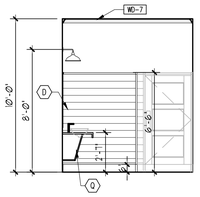
9 ELEVATION WOMEN'S RM 111
SCALE: 1/4" = 1'-0" SOUTH ELEVATION



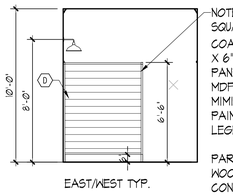
10 ELEVATION WOMEN'S RM 111
SCALE: 1/4" = 1'-0" ADA STALL SOUTH - ELEVATION



11 ELEVATION WOMEN'S RM 111
SCALE: 1/4" = 1'-0" WEST ELEVATION



12 ELEVATION WOMEN'S RM 111
SCALE: 1/4" = 1'-0" NORTH AT LAV - ELEVATION

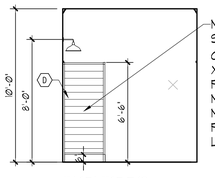


NOTE: TOILET PARTITIONS ARE 1 1/4" SQUARE METAL TUBE - POWDER COATED BLACK. WITH 1 1/2" X 1 1/2" X 6" ESCUTCHEONS AT BASE. PANELS ARE WATER RESISTANT MDF WITH ROUTED GROOVES TO MIMIC SHIP LAP. PANELS ARE PAINTED WHITE. SEE FINISH LEGEND FOR SPECIFICATION

PARTITION DOORS ARE PAINTED WOOD, SHAKER STYLE CONSTRUCTION.

EAST/WEST TYP.

13 ELEVATION WOMEN'S RM 111
SCALE: 1/4" = 1'-0" PARTITION TYP. - ELEVATION



NOTE:URINAL PARTITIONS ARE 1 1/4" SQUARE METAL TUBE - POWDER COATED BLACK. WITH 1 1/2" X 1 1/2" X 6" ESCUTCHEONS AT BASE. PANELS ARE WATER RESISTANT MDF WITH ROUTED GROOVES TO MIMIC SHIP LAP. PANELS ARE PAINTED WHITE. SEE FINISH LEGEND FOR SPECIFICATION

EAST/WEST TYP.

14 ELEVATION MEN'S RM 110
SCALE: 1/4" = 1'-0" URINAL SCREEN TYP. - ELEVATION

GENERAL NOTES

1. MOUNT ALL FIXTURES AND ACCESSORIES AT HEIGHTS CONFORMING TO ALL GOVERNING CODES AND A.D.A. REQUIREMENTS WHETHER OR NOT INDICATED.
2. SEE NOTE SECTION OF ITEM FOR RESPONSIBILITY
3. ALL MIRRORS TO HAVE 1" BEVELED EDGES, PROVIDED BY OWNER INSTALLED BY GC.
4. ALL PLUMBING FITTINGS ARE TO BE SUPPLIED BY GC. EVEN IF THE FIXTURE IS SUPPLIED BY OWNER.
5. MILLWORKER TO FABRICATE METAL FRAMED SHIP LAP PARTITIONS.
6. VERIFY SINK & FAUCET CUTOUT IN GUEST RESTROOMS PRIOR TO CUTTING OPENINGS FOR BOTH SINK AND FAUCETS.
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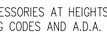
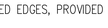
GUEST RESTROOM ACCESSORY SCHEDULE

A		1 1/2" DIAMETER X 3'-6" LONG GRAB BAR MOUNTED 2'-10" A.F.F. (REFER TO TOILET ROOM PLAN FOR MOUNTING LOCATION) NOTE: PURCHASED & INSTALLED BY GC
B		1 1/2" DIAMETER X 3'-0" LONG GRAB BAR MOUNTED 2'-10" A.F.F. (REFER TO TOILET ROOM PLAN FOR MOUNTING LOCATION) NOTE: PURCHASED & INSTALLED BY GC.
C		1 1/2" DIAMETER X 1'-6" LONG GRAB BAR MOUNTED 3'-4" A.F.F. (REFER TO TOILET ROOM PLAN FOR MOUNTING LOCATION) –VERTICAL GRAB BAR NOTE: PURCHASED & INSTALLED BY GC.
D		CUSTOM TOILET PARTITION – STEEL POWDER COATED FRAME WITH PAINTED SHIP LAP PANELS SEE ELEVATIONS. NOTE: FABRICATED & INSTALLED BY GC'S MILLWORKER
E		SURFACE MOUNTED SANITARY NAPKIN DISPOSAL MOUNT TOP OF UNIT 2'-6" A.F.F. U.N.O. MODEL: BOBRICK # B-270 – CONTURA SERIES NOTE: PURCHASED BY OWNER & INSTALLED BY GC.
F		SURFACE MOUNTED DOUBLE ROLL TOILET TISSUE DISPENSER MODEL: TBD FINISH: BLACK NOTE: PURCHASED BY OWNER INSTALLED BY GC
G		HORIZONTAL RECESSED BABY CHANGING STATION KOALA BEAR CARE MODEL: KB110-SSRE FINISH: STAINLESS STEEL NOTE: PURCHASED BY OWNER, INSTALLED BY GC.
H		WALL MOUNTED URINAL MNFR: TOTO MODEL: 0.5GPF LOW CONSUMPTION WALL MOUNT WASH OUT URINAL MODEL #: UT104EX COLOR: WHITE AUTO FLUSH VALVE: MNFR: SLOAN MODEL: URINAL FLUSH VALVE-G2 8180-1.0-GR NOTE: URINAL & FLUSH VALVES PURCHASED & INSTALLED BY GC.
J		WALL MOUNTED TOILET MNFR: TOTO MODEL: CT708U(G) COMMERCIAL FLUSHOMETER TOP SPUD WALL-HUNG TOILET COLOR: WHITE AUTO FLUSH VALVE: MNFR: SLOAN MODEL: G2 8111-1.28-GR COLOR: GRAPHITE NOTE: TOILET & FLUSH VALVE PURCHASED & INSTALLED BY GC.
K		DROP IN ADA VESSEL SINK MANUF: KOHLER MODEL: IRON PLAINS VESSEL SINK WITH OVERFLOW COLOR: WHITE SIZE: 22 1/2"L X 14" W X 6" D LOCATION: TOP OF SINK TO BE NO HIGHER THAN 34" NOTE: PURCHASED BY OWNER & INSTALLED BY GC
L		WALL MOUNTED AUTOMATIC RECESSED TOWEL DISPENSER GEORGIA PACIFIC – MODEL: enMOTION 59466A FINISH: STAINLESS STEEL MOUNT AT ADA HEIGHT NOTE: PURCHASED BY OWNER & INSTALLED BY GC.
M		CUSTOM MIRROR: PURCHASED BY OWNER & INSTALLED BY OWNER'S INSTALLER
Q		ADA COMPLIANT – LAVATORY SCREEN MNFR: MILLWORKER NOTE: PURCHASED & INSTALLED BY GC'S MILLWORKER
R		GUEST – ADA AUTOMATIC FAUCET MNFR: KOHLER MODEL: TBD COLOR: BLACK NOTE: PURCHASED BY OWNER & INSTALLED BY GC.

G.C. TO PROVIDE BACKING IN WALL FOR ALL ACCESSORIES AS NECESSARY

ISSUE FOR PERMIT

NO	DATE	DESCRIPTION
1	04.25.25	ISSUE FOR PERMIT

STATE OF MISSOURI
WILLIAM D. WARNER
NUMBER A-2015012951
ARCHITECT

DATE: 04/25/2025
EXP. DATE: 12/31/2025

ANCHO & AGAVE
SUMMIT FAIR SHOPPING CENTER
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860-A NW BLUE PARKWAY
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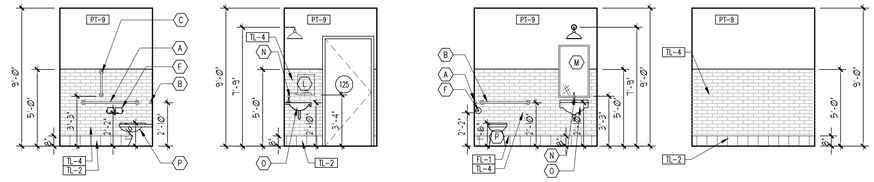
CHICAGO, ILLINOIS 60613
p 773-477-9009
f 773-477-6888
www.carrwarner.com

GUEST RESTROOM ELEVATIONS

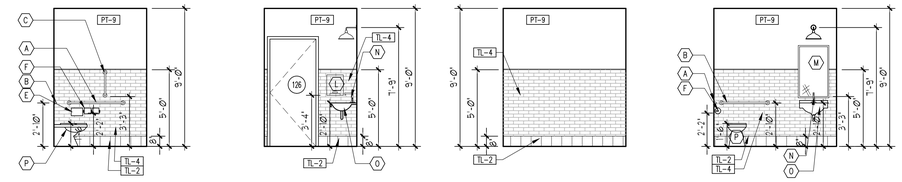
JOB NO: ANCHO-SUMMIT FAIR
SHEET NO: A8.2
DATE: 04.25.2025



① ELEVATION — EMPLOYEE TOILET 1–125

SCALE: 1/4" = 1'-0"

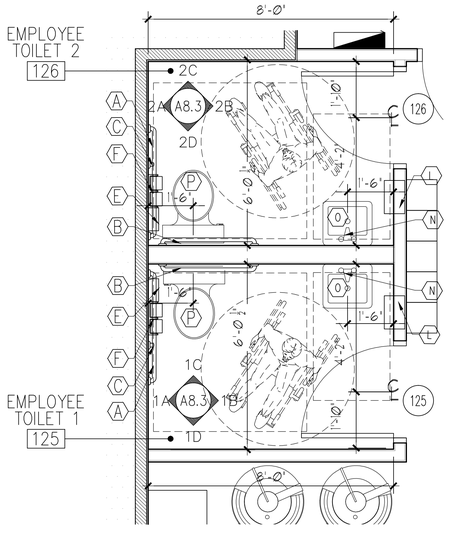
ELEVATIONS



② ELEVATION — EMPLOYEE TOILET 2–126

SCALE: 1/4" = 1'-0"

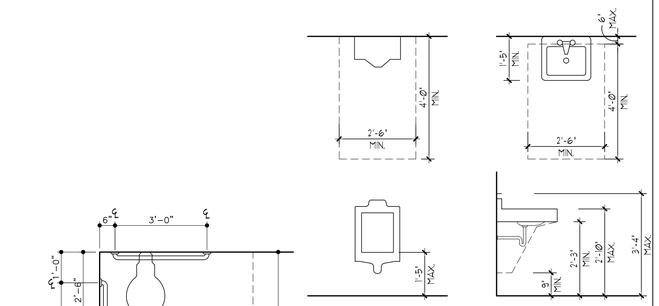
ELEVATIONS



③ ENLARGED PLANS — EMPLOYEE TOILET ROOMS

SCALE: 1/2" = 1'-0"

A.D.A. MOUNTING HEIGHTS FOR FIXTURES & ACCESSORIES

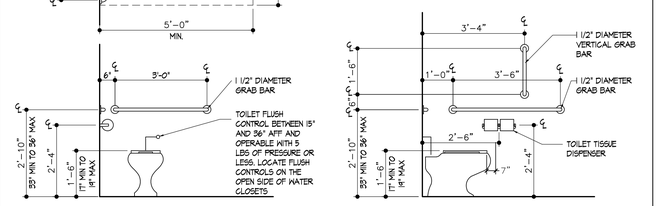


ACCESSIBLE PUBLIC URINAL

SCALE: 1/2" = 1'-0"

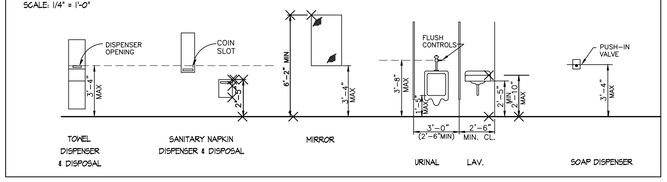
ACCESSIBLE PUBLIC LAVATORY

SCALE: 1/2" = 1'-0"



ACCESSIBLE PUBLIC WATER CLOSET

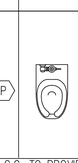
SCALE: 1/4" = 1'-0"



GENERAL NOTES

1. MOUNT ALL FIXTURES AND ACCESSORIES AT HEIGHTS CONFORMING TO ALL GOVERNING CODES AND A.D.A. REQUIREMENTS WHETHER OR NOT INDICATED.
2. SEE NOTE SECTION OF ITEM FOR RESPONSIBILITY
3. ALL MIRRORS TO HAVE 1" BEVELED EDGES, PROVIDED BY OWNER INSTALLED BY GC.
4. ALL PLUMBING FITTINGS ARE TO BE SUPPLIED BY GC. EVEN IF THE FIXTURE IS SUPPLIED BY OWNER.
5. MILLWORKER TO FABRICATE METAL FRAMED SHIP LAP PARTITIONS.
6. VERIFY SINK & FAUCET CUTOUT IN GUEST RESTROOMS PRIOR TO CUTTING OPENINGS FOR BOTH SINK AND FAUCETS.
7. PER EQUITABLE RESTROOMS ACT – SINGLE USE EMPLOYEE RESTROOMS ARE TO BE IDENTIFIED AS ALL-GENDER SPECIFIC AND SHALL BE OUTFITTED WITH SIGNAGE ON EXTERIOR SIDE OF WALL, HANDLE SIDE OF DOOR THAT IDENTIFIES AS SUCH. SIGNAGE PROVIDED BY OWNER.

EMPLOYEE TOILET RESTROOM ACCESSORY SCHEDULE

A		1 1/2" DIAMETER X 3'-6" LONG GRAB BAR MOUNTED 2'-10" A.F.F. (REFER TO TOILET ROOM PLAN FOR MOUNTING LOCATION) NOTE: PURCHASED & INSTALLED BY GC
B		1 1/2" DIAMETER X 3'-0" LONG GRAB BAR MOUNTED 2'-10" A.F.F. (REFER TO TOILET ROOM PLAN FOR MOUNTING LOCATION) NOTE: PURCHASED & INSTALLED BY GC.
C		1 1/2" DIAMETER X 1'-6" LONG GRAB BAR MOUNTED 3'-4" A.F.F. (REFER TO TOILET ROOM PLAN FOR MOUNTING LOCATION) –VERTICAL GRAB BAR NOTE: PURCHASED & INSTALLED BY GC.
E		SURFACE MOUNTED SANITARY NAPKIN DISPOSAL MOUNT TOP OF UNIT 2'-6" A.F.F. U.N.O. MODEL: BOBRICK # B-270 – CONTURA SERIES NOTE: PURCHASED BY OWNER & INSTALLED BY GC.
F		SURFACE MOUNTED DOUBLE ROLL TOILET TISSUE DISPENSER MODEL: TBD FINISH: BLACK NOTE:PURCHASED BY OWNER INSTALLED BY GC
L		WALL MOUNTED AUTOMATIC RECESSED TOWEL DISPENSER GEORGIA PACIFIC – MODEL: enMOTION 59466A FINISH: STAINLESS STEEL MOUNT AT ADA HEIGHT NOTE: PURCHASED BY OWNER & INSTALLED BY GC.
M		CUSTOM MIRROR: PURCHASED BY OWNER & INSTALLED BY OWNER'S INSTALLER
N		ADA AUTOMATIC FAUCET MNFR: TBD MODEL: TBD COLOR: POLISHED CHROME NOTE: PURCHASED BY OWNER & INSTALLED BY GC
O		EMPLOYEE TOILET ROOM WALL MOUNTED ADA LAVATORY WITH SHROUD MODEL: KOHLER – BRENHAM K-1999-1N -0 COLOR: WHITE NOTE: CONCEALED CARRIER ARM – SINGLE FAUCET HOLE & SHROUD – PURCHASED BY OWNER & INSTALLED BY GC
P		FLOOR MOUNTED TOILET – EMPLOYEE TOILET RM MNFR: KOHLER MODEL: HIGHCLIFF ULTRA K-96057-B COLOR: WHITE SPUD: AT REAR, GC TO PROVIDE MATCHING SEAT IN WHITE AUTO FLUSH VALVE: MNFR: SLOAN MODEL:G2 8111-1.28-GR COLOR: GRAPHITE NOTE: TOILET & FLUSH VALVE PURCHASED & INSTALLED BY GC.

G.C. TO PROVIDE BACKING IN WALL FOR ALL ACCESSORIES AS NECESSARY

ISSUE FOR PERMIT

OWNER RELEASE: I HAVE REVIEWED THESE DRAWINGS FOR DESIGN INTENT AND HEREBY CERTIFY THAT THEY CONFORM IN ALL RESPECTS TO MY DESIGN CRITERIA AND ARE APPROVED.

BY: _____ DATE: _____

THESE DRAWINGS MAY HAVE BEEN REPRODUCED AT A SIZE DIFFERENTLY THAN ORIGINALLY DRAWN. OWNER AND ARCHITECT ASSUME NO RESPONSIBILITY FOR USE OF INCORRECT SCALE.

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH CONSTRUCTION AND NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR CONFLICTS.

NO	DATE	DESCRIPTION
1	042525	ISSUE FOR PERMIT

STATE OF MISSOURI
WILLIAM D. WARNER
NUMBER A-2015012951
ARCHITECT

DATE: 04/25/2025
EXP. DATE: 12/31/2025

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SUMMIT FAIR SHOPPING CENTER
D-BUILDING
860-A NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086

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EMPLOYEE TOILET RM ELEVATIONS, ENLARGED PLANS, SCHEDULES & ADA MOUNTING HEIGHTS

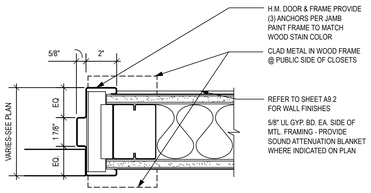
JOB NO: ANCHO - SUMMIT FAIR
SHEET NO: A8.3
DATE: 04.25.2025

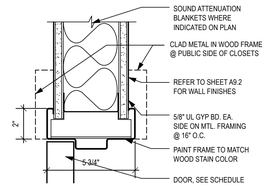
HARDWARE SCHEDULE

SET	LOCATION	TYPE
AA	EXTERIOR DOOR (SINGLE DOOR)	2 PAIR B.B. BUTT HINGES 1 MORTISE DOUBLE CYLINDER DEAD BOLT LOCK 1 FIRST CHOICE 3700 SERIES PANIC BAR 1 PULL BAR 1 CLOSER 1 THRESHOLD 1 SET WEATHER STRIPPING 1 AUTOMATIC DOOR BOTTOM
AA	EXTERIOR DOOR (DOUBLE DOOR)	4 PAIR B.B. BUTT HINGES 1 MORTISE DOUBLE CYLINDER DEAD BOLT LOCK 2 FIRST CHOICE 3700 SERIES PANIC BAR 2 PULL BAR 2 CLOSER 1 THRESHOLD 1 SET WEATHER STRIPPING 2 AUTOMATIC DOOR BOTTOM
BB	INTERIOR VESTIBULE DOOR (DOUBLE DOOR)	4 PAIR B.B. BUTT HINGES 2 PUSH PLATES - DECORATIVE 2 PULLS - DECORATIVE 2 CLOSER 2 DOOR STOPS
CC	EXTERIOR EXIT DOOR (SINGLE DOOR)	1 PAIR B.B. BUTT HINGES 1 FIRST CHOICE 3700 SERIES PANIC BAR 1 CLOSER 1 THRESHOLD 1 SET WEATHER STRIPPING 1 AUTOMATIC DOOR BOTTOM
DD	SERVICE ENTRANCE/EXIT	1 PAIR B.B. BUTT HINGES 1 SET PANIC HARDWARE W/ MORTISE LOCKSET 1 CLOSER W/ HOLD OPEN 1 CYLINDER 1 KICK PLATE 9"H x DOOR WIDTH 1 PULL BAR 1 VIEW - DOORSCOPE SECURITY, SILVER ALUMINUM 1 THRESHOLD 1 SET WEATHER-STRIPPING
EE	EXTERIOR DOOR SINGLE	1 PAIR B.B. BUTT HINGES 1 SET PANIC HARDWARE W/ MORTISE LOCKSET 1 CLOSER W/ HOLD OPEN 1 CYLINDER 1 KICK PLATE 9"H x DOOR WIDTH 1 PULL BAR 1 VIEW - DOORSCOPE SECURITY, SILVER ALUMINUM
FF	PUBLIC TOILET ENTRY NOTE: CUSTOM ADA RESTROOM SIGNAGE PROVIDED BY TENANT & INSTALLED BY GC	1 1/2 PAIR B.B. BUTT HINGES 1 CLOSER 1 PULL 1 PUSH PLATE 1 KICK PLATE 34" X 8" 1 SET DOOR SILENCERS 1 MEN'S OR WOMEN'S SIGN (FURN. BY TENANT) HDCP.
GG	EMPLOYEE TOILET	1 1/2 PAIR B.B. BUTT HINGES 1 TOILET ROOM LATCH SET W/ OCCUPIED/UNOCCUPIED 1 CLOSER 1 DOOR STOP 1 THRESHOLD 1 NON-GENDER SPECIFIC SIGNAGE (FURN. BY TENANT) HDCP.
HH	OFFICE	1 1/2 PAIR B.B. BUTT HINGES 1 OFFICE LOCKSET 1 CLOSER 1 DOOR STOP
JJ	STORAGE/ CORRIDOR	1 1/2 PAIR B.B. BUTT HINGES 1 KEY PAD LOCK ENTRY SET 1 DOOR STOP 1 CLOSER W/ HOLD OPEN
KK	NOT USED	
LL	MECHANICAL	1 1/2 PAIR B.B. BUTT HINGES 1 STORE ROOM LOCKSET 1 CLOSER 1 DOOR STOP 1 SET WEATHER/SOUND SEALS 1 THRESHOLD
MM	PASSAGE	1 1/2 PAIR B.B. BUTT HINGES 1 PUSH 1 PULL BAR 1 CLOSER W/ HOLD OPEN 1 KICK PLATE 34" X 9" LOW (OR CUSTOM) 1 SET DOOR SILENCERS
NN	EXTERIOR PATIO EXITS	1 SET EXTERIOR PANIC HARDWARE W/ MORTISE LOCKSET 1 CLOSER /SELF CLOSING HINGES 1 SET GATE HINGES

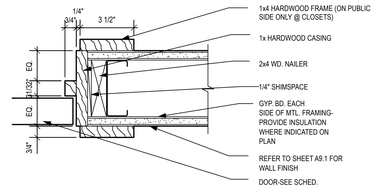
HARDWARE SCHEDULE NOTES:

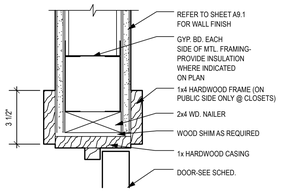
1. FRONT OF HOUSE - RESTROOMS , STORAGE DOORS, STOREFRONT - ALL HARDWARE TO BE FLAT BLACK US19 / 622
2. BACK OF HOUSE - ALL HARDWARE BACK OF HOUSE - TO BE SATIN CHROME US26D
3. BACK OF HOUSE LEVER DESIGN - SCHLAGE - AL SERIES/LEVER:JUPITER(JUP)
4. EXTERIOR ENTRY DOOR, VESTIBULE DOOR PULLS AND RESTROOM DOORS- DECORATIVE BY TENANT INSTALLED BY GC (REPLACE EXISTING)
5. HARDWARE SETS ARE DESCRIBED FOR SINGLE DOORS. WHERE A PAIR OF DOORS IS LISTED IN THE DOOR SCHEDULE, DOUBLE THE QUANTITY OF EACH ITEM LISTED IN THE HARDWARE SCHEDULE, UNLESS NOTED OTHERWISE.
6. WHEN A DOOR IS OVER 7'-6" TALL, PROVIDE 2 PAIR HINGES PER DOOR.
7. HARDWARE SUPPLIER VERIFY W/ FLOOR PLANS ON MOUNTING LOCATION FOR DOOR STOP, IE. FLOOR OR WALL.
8. GC MUST PROVIDE SHOP DRAWING FOR REVIEW PRIOR TO ORDERING.
9. GC TO VERIFY EXISTING PANIC HARDWARE & CLOSERS ON ALL EXTERIOR ALUM. GLASS DOORS THAT ARE TO REMAIN FUNCTION AND IN GOOD WORK CONDITION. IF NOT, REPLACE W/ NEW
10. MAXIMUM DOOR OPENING FORCES FOR EGRESS DOORS SHALL BE 8.5 LBS FOR EXTERIOR DOORS, 5 LBS FOR INTERIOR DOORS PER IAC 404.2.9
11. PER 2018 IBC 1010.1.9.4 LOCKS AND LATCHES: LOCKS AND LATCHES SHALL BE PERMITTED TO PREVENT OPERATION OF DOORS WHERE ANY OF THE FOLLOWING EXIST:
    2. IN BUILDINGS IN OCCUPANCY GROUP A HAVING AN OCCUPANT LOAD OF 300 OR LESS, GROUPS B,F,M AND S, AND IN PLACES OF RELIGIOUS WORSHIP, THE MAIN DOOR OR DOORS ARE PERMITTED TO BE EQUIPPED WITH KEY-OPERATED LOCKING DEVICES FROM THE EGRESS SIDE PROVIDED:
    2.1. THE LOCKING DEVICE IS READILY DISTINGUISHABLE AS LOCKED
    2.2. A READILY VISIBLE DURABLE SIGN IS POSTED ON THE EGRESS SIDE ON OR ADJACENT TO THE DOOR STATING: THIS DOOR TO REMAIN UNLOCKED WHEN THIS SPACE IS OCCUPIED. THE SIGN SHALL BE LETTERS 1 INCH HIGH ON A CONTRASTING BACKGROUND.
    2.3. THE USE OF THE KEY-OPERATED LOCKING DEICE IS REVOCABLE BY THE BUILDING OFFICIAL FOR DUE CAUSE.
12. PER IAC 404.2.8.1 DOOR CLOSERS AND GATE CLOSERS. DOOR CLOSERS AND GATE CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES IS 5 SECONDS MINIMUM.
13. PER IAC 404.2.10 DOOR AND GATE SURFACES. SWINGING DOOR AND GATE SURFACES WITHIN 10 INCHES OF THE FINISH FLOOR OR GROUND MEASURED VERTICALLY SHALL HAVE A SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR OR GATE. PARTS CREATING HORIZONTAL OR VERTICAL JOINTS IN THESES SURFACES SHALL BE WITHIN 1/16 INCH OF THE SAME PLANE AS THE OTHER. CAVITIES CREATED BY ADDED KICK PLATES SHALL BE CAPPED.





4 JAMB/HEAD DTL MTL FRAME
3" = 1'-0"





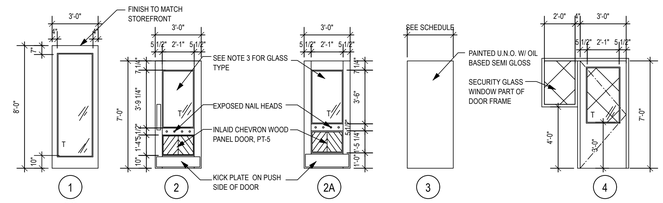
3 JAMB/HEAD DTL WOOD FRAME
3" = 1'-0"

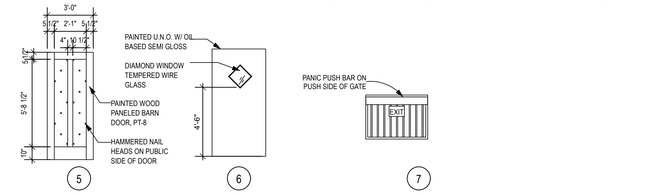
DOOR SCHEDULE

DOOR NUMBER	LOCATION	QUANITY	SIZE	TYPE	THICKNESS	CONSTRUCTION	FACING - FINISH	FRAME	THRESHOLD	HEAD DETAIL	JAMB DETAIL	U.L. LABEL/ HOURS	HARDWARE	REMARKS
100A	VESTIBULE	2	3'-0" X 8'-0"	1		AL/GL	-	-	-				AA	
100B	HOST	2	3'-0" X 8'-0"	1		AL/GL	PRE	AL	NO	-	-		BB	
102	MAIN DINING	1	3'-0" X 8'-0"	1		AL/GL	-	-	-				AA	
106	BAR DINING	1	3'-0" X 8'-0"	1		AL/GL	-	-	-				AA	
109	MOP	1	3'-0" X 7'-0"	5	1 3/4"	WD	WD/PT-5	HM	NO	4	4	-	JJ	DOOR HAS RUSTIC NAIL HEADS
110	WOMEN'S TOILET ROOM	1	3'-0" X 7'-0"	2	1 3/4"	WD/GL	WD/PT-5	WD	NO	3	3	-	FF	TEMPERED GLASS - SEE NOTE 3
														DOOR HAS RUSTIC NAIL HEADS
111	MEN'S TOILET ROOM	1	3'-0" X 7'-0"	2	1 3/4"	WD/GL	WD/PT-5	WD	NO	3	3	-	FF	TEMPERED GLASS - SEE NOTE 3
														DOOR HAS RUSTIC NAIL HEADS
123	OFFICE	1	3'-0" X 7'-0"	4	1 3/4"	HM	PT-8	HM	NO	4	4	-	HH	TEMPERED WIRE GLASS - CLEAR
125	EMPLOYEE TOILET	1	3'-0" X 7'-0"	3	1 3/4"	HM	PT-8	HM	YES	4	4	-	GG	
126	EMPLOYEE TOILET	1	3'-0" X 7'-0"	3	1 3/4"	HM	PT-8	HM	YES	4	4	-	GG	
127	ELECTRICAL	1	EXISTING	-	-		PT-8	-	-	-	-	-	LL	
128	STORAGE 2	1	3'-6" X 7'-0"	6	1 3/4"	HM	EXPT	HM	YES			-	DD	INSULATED
EX130A	COVERED PATIO	1	3'0"X 3'6"	7		AL	EXPT-2	-	-	-	-	-	NN	
EX130B	COVERED PATIO	1	3'0"X 3'6"	7		AL	EXPT-2	-	-	-	-	-	NN	

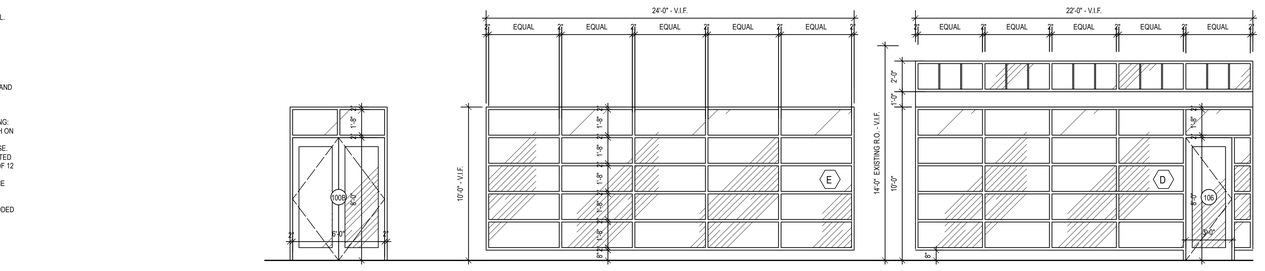
** SEE STOREFRONT DRAWINGS BELOW

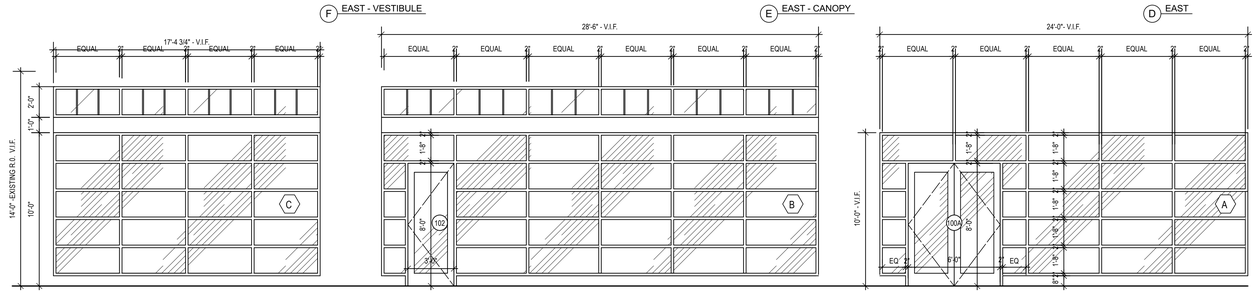
DOOR NOTES:
1. AL= ALUMINUM, GL= GLAZING, HM= HOLLOW METAL, PT= PAINT, WD= WOOD, PRE= PREFINISHED, ST= STAIN, T= TEMPERED, PL= PLASTIC LAMINATE, STL= STEEL
2. ALL DOOR THRESHOLDS TO MEET ADA STANDARDS.
3. CHICKEN WIRE SANDWICHED BETWEEN WHITE LAMINATED & CLEAR GLASS. EXPOSED CHICKEN WIRE TO BE PUBLIC SIDE OF DOOR.
4. G.C. TO PROVIDE AND INSTALL DOOR SWEEPS @ ALL EXTERIOR DOORS, TYP.
5. SUBMIT STOREFRONT SHOP DRAWING FOR ARCHITECT APPROVAL.
6. GLASS WITHIN TWENTY-FOUR INCHES (24") OF EITHER EDGE OF A DOOR IN THE CLOSED POSITION IS CONSIDERED TO BE A HAZARDOUS LOCATION AND SHALL HAVE SAFETY GLAZING.





2 DOOR TYPES
1/4" = 1'-0"





STOREFRONT KEY NOTES:

1	7/8" SIMULATED DIVIDED LITES (INTERIOR AND EXTERIOR W/ SPACER BAR
2	INSULATED METAL SPANDREL PANEL @ INTERIOR & EXTERIOR. MATCH STOREFRONT FINISH
3	EXTERIOR DOOR -SEE DOOR SCHEDULE
4	TEMPERED GLASS (ALL GLASS TO BE TEMPERED)

STOREFRONT NOTES:
1. VIEW FROM EXTERIOR
2. VERIFY IN THE FIELD ALL EXISTING MASONRY & ROUGH OPENINGS
3. 2" WIDE FRAME X 4 1/2" DEEP FRAME AT ALL JAMBS, SILLS, HEADS, AND ALL VERTICALS/REINFORCE AS REQ.) W/ 1" CLEAR INSULATED TEMPERED GLASS CENTERED ON STOREFRONT. PREFINISHED COLOR: MATTE BLACK
4. 7/8" SIMULATED DIVIDED LITES (INSIDE AND OUT) W/ SPACER BAR BETWEEN GLASS @ TRANSOMS ; MATTE BLACK
5. SEALANT AND BACKER ROD @ PERIMETER, TYP.
6. STOREFRONT SUPPLIER TO PROVIDE SILL EXTENSIONS @ SILLS, TYP.
7. PER 2018 IBC 2406.4.2 GLAZING ADJACENT TO DOORS: GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL EDGE OF THE GLAZING IS WITHIN A 24" ARC OF EITHER VERTICAL EDGE OF THE DOOR IN A CLOSED POSITION AND WHERE THE BOTTOM EXPOSED EDGE OF GLAZING IS LESS THAN 60 INCHED ABOVE THE WALKING SURFACE SHALL BE CONSIDERED TO BE A HAZARDOUS LOCATION.
8. PER 2018 IBC 2406.4.3 GLAZING IN WINDOWS: GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL THAT MEET ALL THE FOLLOWING CONDITIONS SHALL BE CONSIDERED TO BE A HAZARDOUS LOCATION:
   1. THE EXPOSED AREA OF AN INDIVIDUAL PANE IS GREATER THAN 9 SQUARE FEET
   2. THE BOTTOM EDGE OF THE GLAZING IS LESS THEN 18 INCHES ABOVE THE FLOOR
   3. THE TOP EDGE OF THE GLAZING IS GREATER THAN 36 INCHES ABOVE THE FLOOR.
   4. ONE OR MORE WALKING SURFACE(S) ARE WITHIN 36 INCHES, MEASURE HORIZONTALLY AND IN A STRAIGHT LINE, OF THE PLAN OF THE GLAZING.

1 EXTERIOR WINDOW/DOOR STOREFRONT TYPES
1/4" = 1'-0"

ISSUE FOR PERMIT

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH CONSTRUCTION AND NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR CONFLICTS.

NO	DATE	DESCRIPTION
	04.25.25	ISSUE FOR PERMIT

STATE OF MISSOURI
WILLIAM D. WARNER
NUMBER A-2029012951
ARCHITECT

DATE: 04.25.2025
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DOOR SCHEDULE/TYPES
STOREFRONT
HARDWARE SCHEDULE

JOB NO:	SHEET NO:
ANCHO - SUMMIT FAIR	A-9.1
DATE: 04.25.2025	

INTERIOR FINISH LEGEND

TAG	MATERIAL	MANUFACTURER	MODEL/SIZE	COLOR	FINISH	CONTACT	LOCATION AND NOTES
TILE:							
TL-1	PORCELAIN TILE	FIORANESE DIST:LOUISVILLE TILE	CEMENTINE:BLACK & WHITE SIZE: 8" X 8"	B&W- #2	GROUT: MAPEI #10 BLACK	--	FIELD FLOOR TILE FOR RESTROOMS, SEE FLOOR FINISH PLAN FOR LOCATION. TILE FOR EXTERIOR SEE EXTERIOR ELEVATIONS FOR LOCATIONS.
TL-2	PORCELAIN TILE	THE TILE SHOP	CHALK GREY #680604 SIZE: 8" x 8"	CHALK GREY	GROUT: MAPEI #10 BLACK	TILE SHOP TEL: 847.324.4590 – MICHELLE	BASE TILE FOR MAIN DINING, HOST, AND BAR DINING, MOP CLOSET AND CORRIDOR
TL-3	PORCELAIN TILE	THE TILE SHOP	BRICK X BRICK– ALISON VICTORIA COLLECTION SIZE: 2" X 10"	POWDER	GROUT: MAPEI #47 CHARCOAL	TILE SHOP TEL: 847.324.4590 – MICHELLE	TILE AT SERWCE STATION SOUTH EXPO AREA ABOVE FRP AT LOW WALL. SEE ELEVATIONS.
TL-4	PORCELAIN TILE	TILE SHOP	NAUTILUS SIZE: 2" X 10"	NAVY	TBD	TILE SHOP TEL: 847.324.4590 – MICHELLE	TILE AT EMPLOYEE TOILET WALLS. USE SCHL-2 BAR STOCK AT TOP OF TILE IN EMPLOYEE TOILET ROOM
TL-5	PORCELAIN TILE	VIRGINIA TILE	WOW SERIES – WOWCRWH3212GZ SIZE: 3" X 12"	CRAFTED WHITE	GROUT: MAPEI #10 BLACK	LAURAL HAMPTON: 312.439.4210 EMAIL: LAUREL.HAMPTON@VIRGINIATILE.COM	FIELD TILE AT GUEST RESTROOM WALLS
TL-6	PORCELAIN TILE	VIRGINIA TILE	CITY BRICK STREET LIGHTS – CRACKLE GLAZE SIZE: 3" X 9"	STREET LIGHTS	GROUT: TEC INCOLOR COLOR: TBD MUST USE TEC INCOLOR	LAURAL HAMPTON: 312.439.4210 EMAIL: LAUREL.HAMPTON@VIRGINIATILE.COM	TILE FOR BEVERAGE SERVICE, CHIP & WRAP STATIONS. USE SCHL-2 BAR STOCK AT TOP OF TILE IN THESE AREAS. FULL TILE REQUIRED AT TOP OF WALL AND WORK WAY DOWN. TILE MUST BE PRESEALED WITH A PENETRATING SEALER 2-3 TIMES BEFORE GROUTING AND AGAIN AFTER GROUTING. GC'S SUB TO PROVIDE SEALER FOR TILE BASED ON TILE MNFR RECOMMENDATIONS.
TL-7	PORCELAIN TILE	DAL TILE	KEYSTONE MOSAIC SIZE: 2" X 2"	BLACK D311 – UNGLAZED	GROUT: MAPEI #10 BLACK	MATT HAMILTON: 618.530.4654 EMAIL: matt.hamilton@daltile.com	BASE & BORDER TILE FOR GUEST RESTROOMS. USE SCHL-1 COVE BASE WITH THIS TILE IN GUEST RESTROOMS.
TL-8	QUARRY TILE	LOUISVILLE TILE	SIZE: 6" X 6"	PURITAN GREY	GROUT: MAPEI #10 BLACK	STACY DRACOPOULOS : 224.366.2868 EMAIL: ADRACOPOULOS@louisvilletile.com	BASE TILE AT ISLAND AT BAR. TILE ONLY SURROUNDS THE ISLAND IN CENTER, NO OTHER LOCATION AT BAR.
TL-9	PORCELAIN TILE	VIRGINIA TILE	EUPHORIA COLLECTION SIZE: 2" x 8"	PARROT CAY & AMAZING GRAZE	GROUT: MAPEI TBD	LAURAL HAMPTON: 312.439.4210 EMAIL: LAUREL.HAMPTON@VIRGINIATILE.COM	WALL TILE FOR NORTH WALL AT KITCHEN COOK LINE 3 AROUND EXPO – SEE ELEVATIONS NOTE: THIS IS TWO COLORS, NEED TO MIX THE BOXES UP IN THE FIELD TO BLEND THE TWO COLORS FULLY. TILE CAN NOT BE CUT GOING VERTICALLY ONLY FULL TILES. CAN CUT TILE ON SIDES OF EXPO JUST NOT AT TOP AND BOTTOM.
TL-10	PORCELAIN TILE	THE TILE SHOP	BRICK X BRICK– ALISON VICTORIA COLLECTION SIZE: 2" X 10"	PEWTER	GROUT: MAPEI #27 SILVER	TILE SHOP TEL: 847.324.4590 – MICHELLE	TILE AT CARRY OUT WALLS. USE SCHL-2 AT TOP OF TILE IN THIS AREA.
TL-11	PORCELAIN TILE	TILE SHOP	BOLSHOI SIZE: 8" X 8"	NAVY	GROUT: MAPEI CHARCOAL # 47		FIELD FLOOR TILE FOR RESTROOMS, SEE FLOOR FINISH PLAN FOR LOCATION. TILE FOR EXTERIOR SEE EXTERIOR ELEVATIONS FOR LOCATIONS.USE SCHL-4 FOR COVE BASE IN THE EMPLOYEE RESTROOMS
FLOOR SPECIALTY:							
FL-1	POLYVINYL RECYCLED MATERIALS	ECO-GRIP	ECO-GRIP	PEWTER	WELD SEEMS	WEDNSDAY WATKINS EMAL: WEDNESDAY@ECO-GRIPINSTALLATION.COM TEL: 980.595.3316	BASE AND FLOORING FOR BACK OF HOUSE AREAS INCLUDING BAR SERVICE SIDE. SEE FLOOR FINISH PLAN FOR LOCATION. PURCHASED BY OWNER AND INSTALLED BY ECO-GRIP, GC TO COORDINATE INSTALL. CONCRETE MUST BE CURED FOR 30 DAYS PRIOR TO INSTALL
SCHL-1	SCHLUTER COVE	SCHLUTER.COM	SCHLUTER COVE – SCHL-DILEX -	BLACK			NOTE: THIS IS FOR GUEST RESTROOMS, TRANSITION FROM FLOOR 2X2 TO WALL 2X2 BASE, THIS SPEC DOES NOT INCLUE INVERTED CORNERS OR OUTER CORNERS, SUBCONTRACTOR MUST PROVIDE AND DETERMINE QUANTITIES OF CORNERS, SAME FINISH AS LONG RUNS,
SCHL-2	SCHLUTER JOLLY	SCHLUTER.COM	SCHLUTER – JOLLY	BRUSHED STAINLESS			NOTE: THIS IS FOR TOP OF WALL TILE AT EMPLOYEE TOILETS, CARRY OUT, BEVERAGE STATION, CHIP STATION, WRAP AND TO GO STATIONS.
SCHL-3	METAL TRANSITION	KUBERIT.COM	KS-K-550-AI-U	BRONZE	55MM – WITH 1" VISIBLE FACE	1.888.284.7567	NOTE: THIS IS FOR TRANSITION BETWEEN WALK OFF MAT AND CONCRETE AT ENTRY VESTIBULE. NOTE. CUSTOM PRODUCT
SCHL-4	SCHLUTER COVE	SCHLUTER.COM	SCHLUTER COVE – SCHL-DILEX – AHK	BRUSHED STAINLESS			NOTE: THIS IS ONLY USED IN EMPLOYEE RESTROOM AS A COVE BASE. NO OTHER LOCATIONS USE THIS COLOR.
CONCRETE:							
CONC-1	STUCCO– CONCRETE TROWEL FINISH	GENERAL CONTRACTOR		SEALED	--	–	CONCRETE TROWELED ON FINISH, LOCATIONS AT BEVERAGE, UNDERSIDE OF BEVERAGE SOFFIT AND WEST WALLS. MUST PROVIDE SAMPLE BOARD TO ARCHITECT/DESIGNER FOR APPROVAL. SEE ELVATIONS FOR LOCATIONS
CONC-2	CONCRETE FLOOR WITH EXPOSED AGGRIGATE	GENERAL CONTRACTOR	SEALER – SHERWIN WILLIAMS GENERAL POLYMER – EPOXY PRIMER SEALER – #3477 W/ ADD OF ALUMINUM OXIDE FOR MAT FINISH	MAT FINISH	EXPOSED AGGREGATE FINISH		SEALED EXPOSED AGGREGATE CONCRETE FLOOR FRONT OF HOUSE. SEE FLOOR FINISH PLAN A12.1 FOR LOCATION. MUST PROVIDE EXPOSED AGGREGATE SAMPLE FOR FINISH.
CONC-3	CONCRETE BAR TOP	GENERAL CONTRACTOR		MAT FINISH	EXPOSED AGGREGATE FINISH SEALED		CONCRETE BAR TOP WITH EXPOSED AGGREGATE – PROVIDE SAMPLE TO ARCHITECT/DESIGNER FOR APPROVAL
CONC-4	CONCRETE FLOOR BACK OF HOUSE	GENERAL CONTRACTOR					NORMAL 5" REINFORCED CONCRETE FOR BACK OF HOUSE. NOTE CONCRETE IN THIS AREA DOES NOT HAVE EXPOSED AGGREGATE AND FL-1 GOES ON TOP OF THIS FLOOR.
WOOD:							
WD-1	PAINTED 1 x 6 SOLID SHIP LAP	MILLWORKER	PAINTED 1 X 6 SHIP LAP	PT-4	PAINTED		PAINTED WOOD SHIP LAP LOW WALLS & FEATURE WALL AT EXPO. SEE ELEVATIONS AND SCHEDULE FOR LOCATIONS.
WD-2	PAINTED SOLID WOOD CAP & TRIMS	MILLWORKER	1 X SOLID VARIES	VARIES BY LOCATION	PAINTED		PAINTED WOOD CAP AT LOW WALL DIVIDER AND WOOD CAP IN RESTROOM. NOTE EACH LOCATION HAS DIFFERENT PAINT COLOR.
WD-3	STAINED HARDWOOD VENEER PLYWOOD	MILLWORKER	–	TBD	STAINED TBD	–	STAINED SOLID WAINSCOT PANELING AT LOUNGE LOW WALL DIVIDER
WD-4	PAINTED WOOD DOOR CASING	MILLWORKER	1X	VARIES BY LOCATION	PAINTED	–	PAINTED WOOD CASING AT CORRIDOR INTO RESTROOM AND RESTROOM DOORS.
WD-5	STAINED SOLID TRIMS, CAPS & BASE	MILLWORKER	VARIES WHITE OAK SOLIDS	VARIES BY LOCATION	STAINED TBD	–	STAINED SOLID HARDWOOD FOR TRIMS, BASE AND TOP @ LOUNGE LOW WALL DIVIDER
WD-6	RECLAIMED OAK HARDWOOD SHELF	MILLWORKER	2 X SOLID	TBD	STAINED TBD	–	RECLAIMED OAK HARDWOOD SOLID SHELF AT EXPO ABOVE AND BELOW WINDOW. NOTE: THERE IS A STAINLESS STEEL WRAP AT EXPO WINDOW. SEE ELEVATIONS.
WD-7	PAINTED WOOD CROWN	MILLWORKER	3" CROWN	PT-6	PAINTED		PAINTED CROWN IN RESTROOMS. DESIGNER TO PROVIDE COLOR
CARPET:							
CPT	WALK OFF MAT	AMERICAN FLOOR MATS	COCOA MAT 4' X 6'– 1/2" THICK	CHARCOAL	–	WWW.AMERICANFLOORMATS.COM	RECESSED WALK OFF MAT AT ENTRY VESTIBULE. NOTE: THAT THERE IS A METAL TRIM PIECE THAT PROTECTS EDGES OF CARPET AND CONCRETE, INSTALL PRIOR TO CARPET. SEE SCHL-3
STONE:							
STN-1	SOLID SURFACE	TERRAZZO MARBLE & SUPPLY	DIRESCO QUARTZ #S/SU100	SUPREME WHITE	POLISHED	EMILY VAN TASSEL 224.223.2492 EVANTASSEL@TMSUPPLY.COM	COUNTER TOP AT RESTROOMS
STN-2	HONED GRANITE	TERRAZZO MARBLE & SUPPLY	GRANITE	ABSOLUTE BLACK	LEATHER SATIN	EMILY VAN TASSEL 224.223.2492 EVANTASSEL@TMSUPPLY.COM	ISLAND COUNTER TOP AT BACK BAR ISLAND & AT HOST STAND WORK TOP
STN-3	SOLID SURFACE	TERRAZZO MARBLE & SUPPLY	DIRESCO QUARTZ	BELGIAN FOG	VELVET	EMILY VAN TASSEL 224.223.2492 EVANTASSEL@TMSUPPLY.COM	BACK COUNTER AT CARRY OUT
METALS:							
MTL-1	STEEL PIPE	MILLWORKER	SCHEDULE 40 PIPE	NATURAL STEEL	HAMMERED FINISH		STEEL FOOT RAIL WITH PIPE FITTINGS FOR BRACKETS AND SUPPORTS
MTL-2	STEEL STRAPING	MILLWORKER	STEEL STRAPPING	NATURAL STEEL	HAMMERED FINISH		STEEL STRAPPING AT WOOD SLATTED WALL ON WEST WALL OF BAR / BAR DINING
MTL-3	CORTEN STEEL	MILLWORKER	CORTEN STEEL PANEL				CORTEN STEEL PANELS AT BAR DIE WALL. SEE ELEVATIONS
MTL-4	METAL MESH	MCNICHOLS	TECHNA – 3150 ITEM: 3231500048	BLACK	BLACK		METAL MESH AT BAR HANGING STRUCTURE – PAINTED BLACK
MTL-5	BLACK BREAK METAL	MILLWORKER	BLACK BREAK METAL	POWDER COATED ALUMINUM	SMOOTH		BREAK METAL FOR FRAMES GOING INTO KITCHEN. 2" FRAME ON ENTRY AND WIDTH VARIES DEPENDING ON OPENING

INTERIOR FINISH LEGEND CONT'D

TAG	MATERIAL	MANUFACTURER	MODEL/SIZE	COLOR	FINISH	CONTACT	LOCATION AND NOTES
PAINT:							
PT-1	PAINT	BENJAMIN MOORE	–	# OC-32 TAPESTRY BEIGE	EGGSHELL	BENJAMIN MOORE RETAILER	BASE PAINT FOR FAUX FINISH-1 WALLS FOR WALLS IN MAIN DINING, BAR DINING, LOUNGE, LOUNGE EAST, CARRY OUT. SEE ELEVATIONS FOR LOCATIONS.
PT-2	PAINT	BENJAMIN MOORE	–	# CSP –115 BARNWOOD	FLAT	BENJAMIN MOORE RETAILER	BASE PAINT FOR FAUX FINISH-2 WALLS FOR WALLS IN BAR DINING, LOUNGE EAST & CORRIDOR. SEE ELEVATIONS FOR LOCATIONS.
PT-3	PAINT	SHERWIN WILLIAMS	–	SW 7670 GREY SHINGLE	PEARL OR EGGSHELL	BENJAMIN MOORE RETAILER	PAINT FOR WALLS ABOVE 12'–8" SEE ELEVATIONS FOR LOCATIONS.
PT-4	PAINT	BENJAMIN MOORE	ADVANCE ENAMEL	# CSP –115 BARNWOOD	PEARL OR EGGSHELL	BENJAMIN MOORE RETAILER	PAINT FOR WOOD WALLS, CAP AND TRIM FRONT OF HOUSE SHIP LAP ALL LOCATIONS USE THIS SPEC FOR THE BASE COAT AS IT IS MORE DURABLE. ALL SHIP LAP MUST BE PRIMED GREY TO MATCH IN MILLWORK SHOP PRIOR TO DELIVERY ON SITE.
PT-5	PAINT	SHERWIN WILLIAMS	–	SW7005 PURE WHITE	SEMI GLOSS	SHERWIN WILLIAMS	PAINT FOR TOILET ROOM PARTITIONS AND PARTITION DOORS , WOOD DOORS & FRAMES
PT-6	PAINT	BENJAMIN MOORE	–	OC–117 SIMPLY WHITE	FLAT	BENJAMIN MOORE RETAILER	CEILING IN RESTROOMS, EMPLOYEE TOILET AND OFFICE CEILINGS
PT-7	K-13 – THERMAL INSULATION	INTERNATIONAL CELLULOSE CORP. SPRAY–ON.COM	K13 – COLOR GREY	–	GREY	INTERNATIONAL CELLULOSE CORP SPRAY–ON.COM	OPEN CEILING AREAS IN FRONT OF HOUSE AND CARRY OUT – PROVIDE 2" OF SPRAY FOR ALL FOH AREAS – SEE A2.1 FOR LOCATIONS
PT-8	PAINT	SHERWIN WILLIAMS	–	SW9141 WATERLOO	SEMI GLOSS	SHERWIN WILLIAMS RETAILER	BACK OF HOUSE DOORS AND FRAMES
PT-9	PAINT	SHERWIN WILLIAMS	–	SW9137 NIEBLA AZUL	PEARL OR EGGSHELL	SHERWIN WILLIAMS RETAILER	OFFICE WALLS & EMPLOYEE RESTROOM WALLS
PT-10	PAINT	SHERWIN WILLIAMS	–	SW7570 EGRET WHITE	PEARL OR EGGSHELL	SHERWIN WILLIAMS RETAILER	PAINT FOR WALLS ABOVE TILE BOH – KITCHEN ENTRY, CHIP AND WRAP STATION
PT-11	PAINT FOR CMU AT TRASH ROOM	SHERWIN WILLIAMS	LOXON XP	SW 7007 BRIGHT WHITE	SATIN	SHERWIN WILLIAMS RETAILER	PAINT FOR CMU WALLS IN TRASH ROOM
PT-12	PAINT	BENJAMIN MOORE	–	# OC–32 TAPESTRY BEIGE	PEARL OR EGGSHELL	BENJAMIN MOORE RETAILER	PAINT FOR WALLS AT CARRY OUT – BASE FOR FAUX FINISH 1
PT-13	PAINT	SHERWIN WILLIAMS	–	#SW6258 TRICORN BLACK	SEMI GLOSS	SHERWIN WILLIAMS	BLACK PAINT FOR MISC METAL SURFACES
PT-14	PAINT	BENJAMIN MOORE	–	SIMPLY WHITE OC–117	FLAT	BENJAMIN MOORE RETAILER	CEILING PAINT FOR VESTIBULE, AND CORRIDOR 1
PT-15	PAINT	BENJAMIN MOORE	–	TBD	FLAT	BENJAMIN MOORE RETAILER	PAINT FOR FRONT OF HOUSE DUCTS, TRUSSES AND DRYWALL OVER BAR. COLOR TO MATCH THE K-13 GREY SPRAY.
BRICK:							
BR-1	FACE CUT INTERIOR BRICK	REP: BRICKS INCORPORATED BRAND: MCNEAR BRICK	BRAND: MCNEAR BRICK– CHICAGO COMMON – TUMBLED COLOR: CHICAGO COMMON– NO BROWNS SIZE: STANDARD			BRENT SCHMITT 630.730.5156	INTERIOR FACE CUT BRICK RUNNING BOND BRICK , OVER MORTAR. CONTRACTOR TO PROVIDE MORTAR STYLE SAMPLE. SOME AREAS HAVE PAINT/STAINED BRICK. SEE ELEVATIONS FOR LOCATIONS.
BR-2	FACE CUT BRICK INTERIOR – SOLDIER COURSE	REP: BRICKS INCORPORATED BRAND: MCNEAR BRICK	BRAND: MCNEAR BRICK– CHICAGO COMMON – TUMBLED COLOR: CHICAGO COMMON– NO BROWNS SIZE: STANDARD			BRENT SCHMITT 630.730.5156	INTERIOR FACE CUT BRICK SOLDIER COURSE BRICK , OVER MORTAR. CONTRACTOR TO PROVIDE MORTAR STYLE SAMPLE. SOME AREAS HAVE PAINT/STAINED BRICK. SEE ELEVATIONS FOR LOCATIONS OF SOLDIER COURSE AND PAINT/STAIN.
BR-3	BASE BRICK – FACE CUT –BLACK SOLDIER COURSE	REP: BRICKS INCORPORATED BRAND: LAKEWOOD BRICK	BLACK BLEND, TUMBLED EDGES, SMOOTH FINISH			BRENT SCHMITT 630.730.5156	BASE BRICK – INTERIOR FACE CUT BRICK, SOLDIER COURSE AT BASE OF INTERIOR WALLS – SEE INTERIOR ELEVATIONS FOR LOCATIONS.
BR-4	SOLDIER COURSE FULL CORNER FACE CUT INTERIOR BRICK	REP: BRICKS INCORPORATED BRAND: MCNEAR BRICK	BRAND: MCNEAR BRICK– CHICAGO COMMON – TUMBLED COLOR: CHICAGO COMMON– NO BROWNS SIZE: STANDARD			BRENT SCHMITT 630.730.5156	FULL CORNER SOLDIER COURSE –FACE CUT BRICK , OVER MORTAR. CONTRACTOR TO PROVIDE MORTAR STYLE SAMPLE. SOME AREAS HAVE PAINT/STAINED BRICK. SEE ELEVATIONS FOR LOCATIONS.
BR-5	RUNNING BOND FULL CORNER FACE CUT INTERIOR BRICK	REP: BRICKS INCORPORATED BRAND: MCNEAR BRICK	BRAND: MCNEAR BRICK– CHICAGO COMMON – TUMBLED COLOR: CHICAGO COMMON– NO BROWNS SIZE: STANDARD			BRENT SCHMITT 630.730.5156	FULL CORNER RUNNING BOND –FACE CUT BRICK , OVER MORTAR. CONTRACTOR TO PROVIDE MORTAR STYLE SAMPLE. SOME AREAS HAVE PAINT/STAINED BRICK. SEE ELEVATIONS FOR LOCATIONS.
BR-6	FULL CORNER SOLDIER COURSE – BASE BRICK – FACE CUT –BLACK	REP: BRICKS INCORPORATED BRAND: LAKEWOOD BRICK	BLACK BLEND, TUMBLED EDGES, SMOOTH FINISH MUST USE FULL CORNER UNITS AT ALL CORNERS			BRENT SCHMITT 630.730.5156	BASE CORNER BRICK – INTERIOR FACE CUT BRICK, SOLDIER COURSE AT BASE OF INTERIOR WALLS – PROVDE FULL CORNERS. SEE INTERIOR ELEVATIONS FOR LOCATIONS.
MISC FINISHES:							
PL-1	PLASTIC LAMINATE	FORMICA	9529–43 SEA SALT		ARTISAN		PLASTIC LAMINATE FOR OFFICE COUNTER TOP
PL-2	PLASTIC LAMINATE	FORMICA	5784–NG ASHWOOD BONE		NATURAL GRAIN		PLASTIC LAMINATE FOR OFFICE SHELVES
PL-3	NOT USED, NOW BLACK MELAMINE	TBD					NOW MELAMINE FOR CABINET UNIT AT BACK BAR ISLAND WITH WOOD SHIP LAP END PANELS
PL-4	PLASTIC LAMINATE	FORMICA	8914–NG WEATHERED FIBERWOOD		NATURAL GRAIN		PLASTIC FOR CARRY OUT CABINETRY DOORS
FRP	FIBERGLASS REINFORCED PANEL	MARLITE	P100–WHITE	–	SMOOTH	MARLITE 800.377.1221	FOH AT BEVERAGE AND SERVICE STATION AT EXPO. SEE ELEVATIONS. BACK OF HOUSE WALLS WHERE INDICATED ON FLOOR FINISH PLAN. ALL FRP MUST BE SMOOTH. NO EXCEPTIONS.
SS	STAINLESS STEEL	KITCHEN SUPPLIER	–	–	–	ADE FOOD SERVICE 630.628–0811	SEE FLOOR FINISH PLAN FOR BOH STAINLESS LOCATIONS. NOTE: WHERE SHOWN ON FULL HEIGHT WALL. STAINLESS PANELS GO TO CEILING.
WC–1	WALL COVERING	MDC WALLCOVERING	CUSTOM WALLCOVERING	–	–	SUSAN ERNEST: 847–437–4017 EMAIL:SERNEST@MDCWALL.COM	WOMEN'S & MEN'S ROOM WALL COVERING – ABOVE TILE. SEE ELEVATIONS FOR LOCATIONS WALL COVERING MUST BE RUN RAILROADED. MUST SHOW DESIGNER BEFORE INSTALLATION. PURCHASED BY OWNER AND INSTALLED BY GC.
CORK	CORK	8" THICK	PAINTED CORK/PT–9			––	PAINTED CORK TO MATCH OFFICE WALLS
FF–1	FAUX FINISH 1	OWNER'S FAUX ARTIST					FAUX FINISH 1 – BY OWNER'S ARTIST. ALL WALLS ARE TO BE PAINTED BASE COLOR INDICATED ON ELEVATIONS BY GC.
FF–2	FAUX FINISH 2	OWNER'S FAUX ARTIST					FAUX FINISH 2 – BY OWNER'S ARTIST. ALL WALLS ARE TO BE PAINTED BASE COLOR INDICATED ON ELEVATIONS BY GC.

EXTERIOR FINISH LEGEND

TAG	MATERIAL	MANUFACTURER	MODEL/SIZE	COLOR	FINISH	CONTACT	NOTES
CONCRETE:							
EXCONC–1	CONCRETE FLOOR	GENERAL CONTRACTOR	SEALER – SHERWIN WILLIAMS GENERAL POLYMER – EPOXY PRIMER SEALER – #3477 W/ ADD OF ALUMINUM OXIDE FOR MAT FINISH	SEALED/ EXTERIOR MAT	MALL STANDARD		CONCRETE SIDEWALK AT COVERED PATIO. MATCH MALL STANDARD, SEE CIVIL DRAWINGS.
WOOD:							
EXWD–1	CEMENT SIDING	JAMES HARDIE	ARTISAN V–GROOVE PROFILE	SMOOTH	PAINTED		PAINTED JAMES HARDIE CEMENT BOARD ABOVE CANOPY. SEE EXTERIOR ELEVATIONS A4.1 FOR EXACT LOCATIONS. PAINT COLOR SAMPLE MUST BE APPROVED BY ARCHITECT/DESIGNER.
EXWD–2	TONGUE & GROOVE CEDAR SHEATHING – STAINED	GENERAL CONTRACTOR	STAINED TONGUE AND GROOVE	SMOOTH	MUST BE TREATED WITH FIRE RETARDENT SEE BELOW FOR STAIN COLOR		STAINED CEDAR TONGUE & GROOVE CEILING AT COVERED PATIO A6.1 FOR DETAILS. FINISH AND STAIN SAMPLE MUST BE APPROVED PRIOR TO INSTALLATION.
STONE:							
EXSTN–1	CAST STONE TO MATCH EXISTING	GENERAL CONTRACTOR					STONE SILL SEE EXTERIOR ELEVATIONS ON A4.1 AND A6.1 FOR SIZES AND LOCATION.
METALS:							
EXMTL–1	STANDING SEAM METAL ROOF	PAC CLAD OR SIMILAR		GRANITE			STANDING SEAM METAL ROOF AT COVERED PATIO. SEE EXTERIOR ELEVATIONS ON A4.1 AND SECTIONS ON A6.1
EXMTL–2	BLACK METAL	BY GENERAL CONTRACTOR		EXPT–2			BLACK METALS, COPINGS, DOWN SPOUTS, STOREFRONT & MISC. – SEE EXTERIOR ELEVATIONS.
PAINT:							
EXPT–1	STAIN FOR CEDAR –NATURAL	PPG – PROLUX SRD RE WOOD FINISH	PPG – PROLUX SRD RE WOOD FINISH	072–BUTTERNUT			STAIN FOR CEDAR PLANK CEILING AT COVERED PATIO/ COLOR: BUTTERNUT
EXPT–2	PAINT METALS – BLACK	SHERWIN WILLIAMS	PRO–INDUSTRIAL DTM	SW 6258 TRICORN BLACK	SEMI GLOSS		PAINT FOR MISC METALS, AWNINGS ETC. – COLOR: BLACK
EXPT–3	PAINT JAMES HARDIE	BENJAMIN MOORE	WOODSCAPES	CW – 685 AMBLER SLATE			PAINT FOR JAMES HARDIE BOARD
EXPT–4	PAINT JAMES HARDIE	BENJAMIN MOORE	WOODSCAPES	WHITE			SOLDIER TRIM ABOVE ARTISAN V–GROOVE

ISSUE FOR PERMIT

NO	DATE	DESCRIPTION
1	04.25.25	ISSUE FOR PERMIT

STATE OF MISSOURI
WILLIAM D. WARNER
NUMBER A-2025012951
ARCHITECT

DATE: 04/25/2025
EXP. DATE: 12/31/2025

ANCHO & AGAVE
SUMMIT FAIR SHOPPING CENTER
D-BUILDING
860-A NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086

CARR WARNER
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SUITE #104
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p 773-477-9009
f 773-477-6888
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INTERIOR & EXTERIOR FINISH LEGENDS

JOB NO: ANCHO - SUMMIT FAIR
DATE: 04.25.2025
SHEET NO: A9.2

ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR	BASE	WALLS N	WALLS E	WALLS S	WALLS W	CEILING	CEILING HEIGHT	REMARKS
100	VESTIBULE	CONC-2	T-2 BR-3	PT-1/FF-1	PT-1/FF-1	PT-1/FF-1 BR-1&2	PT-1/FF-1 BR-1&2	C-3	12'-0"	-
101	HOST	CONC-2	TL-2	WD-1/PT-4	BR-1&2 PT-1/FF-1&PT-3	PT-1/FF-1&PT-3 BR-1&2	WD-1/PT-4	C-1	17'-4	SEE FLOOR FINISH PLAN. CEILING OPEN TO STRUCTURE, 2" ACOUSTIC SPRAY TREATMENT AT OPEN CEILING. NOTE: WALL AROUND BACK HOST STAND IS NOT FULL HEIGHT AND ALL WOOD SHIP LAP IS PAINTED. SEE A11.4 FOR HOST DETAIL DRAWINGS.
102	MAIN DINING	CONC-2	BR-3 TL-2	PT-1/FF-1&PT-3 BR-1&2	WD-1/PT-4	PT-1/FF-1&PT-3 BR-1&2	PT-1/FF-1&PT-3 BR-1&2	C-1	17'-4	OPEN TO STRUCTURE, 2" ACOUSTIC SPRAY TREATMENT AT OPEN CEILING. NOTE: EAST WALL IS A HALF WALL AND ALL WOOD SHIP LAP IS PAINTED, SEE FINISH LEGEND FOR SPECIFICATIONS AND ELEVATIONS FOR LOCATIONS. NOTE: PT-3 IS THE PAINT ABOVE 14'-0" TO CEILING. TYPICAL AT OPEN DINING AREAS. SEE ELEVATIONS FOR EXACT LOCATIONS.
103	EXPO	CONC-2	T-2	WD-1/PT-4/MTL-2 PT-1/FF-1 & PT-3	-	TL-3/FRP/WD-1 WD-2/PT-4	-	C-1	17'-4	OPEN TO STRUCTURE, 2" ACOUSTIC SPRAY TREATMENT AT OPEN CEILING. NOTE: SOUTH WALL IS THE SERVICE STATION FINISHES AND NORTH WALL IS AT EXPO. SEE 5/A10.1 FOR NORTH ELEVATION AND 6B/A10.2 FOR SERVICE. NOTE: PT-3 IS FOR THE AREA OF WALL ABOVE 14'-0".
104	BEVERAGE	CONC-2	T-2	CONC-1/TL-6 FRP	CONC-1/SS	-	CONC-1/SS	C-3	10'-0"	THE CONC-1 FINISH IS AT THE SURROUND OF THE BEVERAGE, THE CONC-1 FINISH RETURNS BOTH SIDES ABOVE SS AND ABOVE TILE AND AT THE BOTTOM SOFFIT.. FRP IS BELOW KEC EQUIPMENT AND SS ON SIDES. SEE DRAWINGS 2/A10.1 FOR WEST WALL AND 11/A10.2 FOR NORTH AND SOUTH ELEVATIONS. NOTE: NO PT-3 ABOVE 14'-0" IN THIS AREA.
105	BAR	FL-1	FL-1	MTL-3 SS	MTL-3 SS	MTL-3 SS	MTL-3 SS	C-1	17'-4 9'-0"	NOTE MTL-3 ON GUEST SIDE OF BAR DIE WALL- STAINLESS STEEL ON SERVER SIDE, PREFINISHED FROM KEC PROVIDER FL-1 ON WORKER SIDE OF BAR ONLY BASE AND FLOORING. NOTE: B/BAR HAT IS 9'-0" AFF
106	BAR DINING	CONC-2	T-2 BR-3	CONC-1/WD-1/PT-4/MTL-2 PT-3	BR-1&2 PT-1/FF-1&PT-3	WD-3/WD-5/PT-1/FF-1 PT-3	WD-1/PT-4	C-1	17'-4	OPEN TO STRUCTURE, 2" ACOUSTIC SPRAY TREATMENT AT OPEN CEILING. NOTE: ALL WOOD SHIP LAP IS PAINTED. WEST WALL IS THE LOW HEIGHT SHIP LAP PAINTED WALL. SEE ELEVATIONS. PT-3 IS AREA OF WALL ABOVE 14'-0" TO CEILING, BUT AT BEVERAGE, SEE ELEVATIONS FOR EXACT LOCATIONS.
107	LOUNGE	CONC-2	BR-3	-	PT-1/FF-1 PT-3	PT-1/FF-1 PT-3	PT-1/FF-1 / PT-3 WD-3&5	C-1	17'-4	NOTE: WEST WALL FINISHES INCLUDE LOW WALL BY MILLWORKER THAT IS STAINED AND CHAIR RAIL. NOTE: PT-3 IS FOR AREA ABOVE 14'-0".
108	CORRIDOR 1	CONC-2	T-2	FF-2/PT-2	FF-2/PT-2	FF-2/PT-2	FF-2/PT-2	C-3	11'-0"	NOTE: PAINTER TO PRIME WALLS FOR FAUX FINISHER. THIS IS THE SECOND TYPE OF FAUX FINISH.
109	MOP	CONC-2	T-8	FRP	FRP	FRP	FRP	C-3	11'-0"	NOTE: ALL FRP IS SMOOTH FINISH
110	MEN'S TOILET	TL-1 TL-7	TL-7	TL-5/WC-1 WD-2&7	TL-5/WC-1 WD-2&7	TL-5/WC-1 WD-2&7	TL-5/WC-1 WD-2&7	C-3	10'-0"	NOTE: WALL COVERING IS TO RUN RAIL ROADED. CONFIRM DIRECTION AND LAYOUT PRIOR TO INSTALLATION.-
111	WOMEN'S TOILET	TL-1 TL-7	TL-7	TL-5/WC-1 WD-2&7	TL-5/WC-1 WD-2&7	TL-5/WC-1 WD-2&7	TL-5/WC-1 WD-2&7	C-3	10'-0"	NOTE: WALL COVERING IS TO RUN RAIL ROADED. CONFIRM DIRECTION AND LAYOUT PRIOR TO INSTALLATION.-
112	CHIP/WRAP STATION	FL-1	FL-1	TL-6/PT-10/FRP	TL-6/PT-10	TL-6/PT-10/FRP	TL-6/PT-10/FRP	C-2	10'-6	SEE ELEVATIONS FOR HEIGHTS OF TILE, FRP AND AREA OF PAINT
113	KITCHEN ENTRY	FL-1	FL-1	TL-6/PT-10	TL-6/PT-10	TL-6/PT-10	TL-6/PT-10	C-2	10'-6	SEE ELEVATIONS FOR HEIGHTS OF TILE AND AREA OF PAINT
114	APP COOK LINE	FL-1	FL-1	SS	FRP	FRP	FRP	C-2	10'-6	
115	COOK LINE 2	FL-1	FL-1	-	FRP	-	SS	C-2	10'-6	NOTE: WALL WITH HOOD HAS STAINLESS ALL SIDES AND STAINLESS IS TO GO 18" ABOVE HOOD ON WALLS WITH HOOD.
116	PREP	FL-1	FL-1	FRP	-	-	-	C-2	10'-6	
117	COOLER	FL-1	FL-1	BY COOLER MANUFACTURE						
118	COOK LINE 1	FL-1	FL-1	SS	-	FRP	FRP	C-2	10'-6	NOTE: WALL WITH HOOD HAS STAINLESS ALL SIDES AND STAINLESS IS TO GO 18" ABOVE HOOD ON WALLS WITH HOOD.
119	DISH WASH	FL-1	FL-1	-	SS	SS	-	C-2	10'-6	
120	POT WASH	FL-1	FL-1	-	SS	-	-	C-2	10'-6	
121	ICE	FL-1	FL-1	FRP	FRP	FRP	FRP	C-2	10'-6	
122	STORAGE 1	FL-1	FL-1	-	FRP	-	-	C-2	10'-6	
123	OFFICE	FL-1	FL-1	CORK/PT-9	PT-9	PT-9	CORK/PT-9	C-3	9'-0"	
124	MOP	FL-1	FL-1	FRP	FRP	FRP	FRP	C-2	10'-6	
125	EMPLOYEE TOILET 1	TL-11	TL-2	TL-4/PT-9	TL-4/PT-9	TL-4/PT-9	TL-4/PT-9	C-3	9'-0"	
126	EMPLOYEE TOILET 1	TL-11	TL-2	TL-4/PT-9	TL-4/PT-9	TL-4/PT-9	TL-4/PT-9	C-3	9'-0"	
127	ELECTRICAL ROOM	FL-1	FL-1	PLYWOOD PAINTED	PLYWOOD PAINTED	PLYWOOD PAINTED	PLYWOOD PAINTED	C-4	OPEN	
128	STORAGE 2	FL-1	FL-1	-	FRP	-	-	C-2	10'-6	
129	BEER	FL-1	FL-1	BY COOLER MANUFACTURE						
EX129	COVERED PATIO	EXCONC-2	EXBR-2							

RESPONSIBILITY SCHEDULE

ITEM NAME:	GC PURCHASE	GC INSTALL	OWNER PURCHASED	OWNERS INSTALLER	MANUFACTURERS SUPPLIED	MANUFACTURERS INSTALLER	REMARKS
KITCHEN EQUIPMENT			●			●	GC TO COORDINATE INSTALLATION OF OWNER'S SUPPLIED KITCHEN EQUIPMENT WITH KITCHEN DESIGNER, TO INSURE THAT ALL POWER AND WATER REQ' ARE MET PER K-SHEETS.
CARPET							CARPET NOT USED IN THIS LOCATION
AREA RUGS		●	●				DESIGNER TO PLACE ON SITE WITH GC. GC TO PROVIDE TAPE FOR CARPETS AT PERIMETER
TILES - TL-1 THROUGH TL-11		●	●				SEE INTERIOR ELEVATIONS FOR LOCATIONS OF TILES PURCHASED BY OWNER
TRANSITION STRIPS - SCHL-1 THROUGH SCHL-3	●	●					SCHLUTER COVE, END BASE AND TRIM AT RECESSED MAT ALL PURCHASED AND INSTALLED BY GC.
FL-1/ECO-GRIP FLOOR			●			●	GC TO COORDINATE OWNER'S PURCHASED ECO-GRIP FLOOR AND TO PREP FLOOR PER SPEC FOR MFR'S INSTALLERS
CONC-1	●	●					DESIGNER/ARCHITECT MUST APPROVE FINISH PRIOR TO INSTALLATION GC TO PROVIDE SAMPLE
CONC-2	●	●					DESIGNER/ARCHITECT MUST APPROVE FINISH PRIOR TO FINAL POUR
CONC-3	●	●					DESIGNER/ARCHITECT MUST APPROVE FINISH PRIOR TO INSTALLATION. GC TO PROVIDE SAMPLE
CONC-4	●	●					
STN-1/STN-2/STN-3	●	●					GC TO PROVIDE SAMPLES FOR APPROVAL
MTL-1 THROUGH MTL-5	●	●					GC TO PROVIDE SAMPLES FOR APPROVAL
BRICK - ALL INTERIOR		●	●				NOTE OWNER DOES NOT PURCHASE MORTAR OR ANY SUPPLIES RELATED TO INSTALLATION OF MASONRY
STONE - ALL EXTERIOR	●	●					GC TO PROVIDE SAMPLES FOR APPROVAL
FAUX FINISH - 1/ FAUX FINISH -2			●	●			WALLS ARE TO BE BASE PAINTED BY GC, SPEC PER INFORMATION ON FINISH LEGEND. GC TO COORDINATE TIMING.
CUSTOM WALL COVERING		●	●				WALLCOVERING IS TO RUN RAILROADED. VERIFY INSTALLATION INSTRUCTIONS WITH DESIGNER PRIOR TO INSTALL.
STAINLESS STEEL PANELS BOH			●			●	KEC TO PROVIDE BOH STAINLESS PANELS - INSTALLED BY KEC. SEE A12.1 FOR LOCATIONS OF STAINLESS WALLS PANELS
CORK	●	●					CORK AT OFFICE ABOVE COUNTER TOP.
FRP - FIBERGLASS REINFORCED PANELS - SMOOTH	●	●					SEE A12.1 FOR LOCATIONS OF FRP WALLS
LIGHTS - CAN, DOWN & STRIP LIGHTS		●	●				SEE 2.1 FOR LOCATIONS AND FOR SPECIFICATIONS
LAMPS FOR CAN, DOWN & STRIPS		●	●				SEE 2.1 FOR SPECIFICATIONS
BOH 2 X 4 LIGHTING - ALL		●	●				SEE 2.1 FOR LOCATIONS AND FOR SPECIFICATIONS
EXIT LIGHTS FOH AND BOH		●	●				SEE E-SHEETS FOR LOCATIONS AND A2.1 FOR SPECIFICATIONS
EMERGENCY LIGHTS FOH AND BOH		●	●				SEE E-SHEETS FOR LOCATIONS AND A2.1 FOR SPECIFICATIONS
PENDANT LIGHTS - P-1/P-2/P-3/P-4/P-5/P-6/P-7		●	●				NOTE: P-7 REQUIRES METAL GRID TO BE MADE BY GC AND INSTALLED BY GC
PENDANT LAMPS - P-1/P-2/P-3/P-4/P-5/P-6/P-7		●	●				DESIGNER TO PROVIDE LAMP GUIDE FOR ALL OWNER SUPPLIED FIXTURES. GC TO INSTALL .
FANS - ALL		●	●				SEE 2.1 FOR LOCATIONS AND FOR SPECIFICATIONS
WALL SCONCES - ALL INTERIOR AND EXTERIOR		●	●				SEE 2.1 FOR LOCATIONS AND FOR SPECIFICATIONS
WALL SCONCES LAMPS - ALL INTERIOR AND EXTERIOR		●	●				DESIGNER TO PROVIDE LAMP GUIDE FOR ALL OWNER SUPPLIED FIXTURES. GC TO INSTALL .
PATIO HEATERS	●	●					SEE E-SHEETS FOR LOCATIONS AND A2.1 FOR SPECIFICATIONS
BOOTHS		●	●				GC TO INSTALL BOOTHS PURCHASED BY OWNER
TABLE TOPS & BASES - INTERIOR & PATIO		●	●				GC TO RECEIVE, AND INSTALL ALL FURNITURE - ASSEMBLY DIR. PROVIDED BY DESIGNER
CHAIRS, BAR STOOLS, OFFICE CHAIRS,		●	●				GC TO RECEIVE, AND INSTALL ALL FURNITURE - ASSEMBLY DIR. PROVIDED BY DESIGNER
DECORATIVE TABLES, LOUNGE SOFAS AND CHAIRS		●	●				GC TO RECEIVE, AND INSTALL ALL FURNITURE - ASSEMBLY DIR. PROVIDED BY DESIGNER
ART & ARTIFACTS		●	●				GC TO RECEIVE & HANG ANY ART PER DESIGNERS DIRECTIONS.
INTERIOR DECORATIVE AND REQUIRED SIGNAGE		●	●				GC TO INSTALL ALL INTERIOR SIGNAGE PER DESIGN DIRECTION
RESTROOM ACCESSORIES - SEE SHEETS A8.1-A8.3 FOR RESPONSIBILITY							SEE SHEETS A8.1- A8.3 FOR RESPONSIBILITY
PLUMBING FIXTURES: SINKS, FAUCETS, TOILETS, FLUSHERS, URINALS, ETC.. SEE SHEETS A8.1-A8.3 FOR RESPONSIBILITY							SEE SHEETS A8.1- A8.3 FOR RESPONSIBILITY
RECESSED FIRE EXTINGUISHERS	●	●					
RESTROOM PARTITIONS	●	●					NOTE THESE ARE IN THE MILLWORK SCOPE OF WORK.
RESTROOM TRASH CANS		●	●				
EXTERIOR TRASH CANS		●	●				
METAL WIRE CAGE ABOVE BAR	●	●					PART OF MILLWORK SCOPE
ALL MILLWORK	●	●					SEE NOTE BELOW FOR SCOPE OF MILLWORK
MURALS - EXTERIOR AND INTERIOR			●	●			
TV'S - ALL LOCATIONS			●	●			
POS SYSTEM					●	●	
PHONE SYSTEM					●	●	
MUSIC SYSTEM					●	●	
SECURITY SYSTEM					●	●	
PAINTING OF EXTERIOR STEEL AWNINGS	●	●					
EXTERIOR MARQUEE LIGHT FIXTURS @ ENTRY CANOPY		●	●				
EXTERIOR MARQUEE LAMPS @ ENTRY CANOPY		●	●				
EXTERIOR SIGNAGE			●		●	●	GC TO COORDINATE NECESSARY POWER IS FED TO EACH SIGN AND EXTERIOR LIGHTING AS SHOWN ON E-SHEETS
PAINTING & STAINING AT INTERIOR AND EXTERIOR	●	●					
EXTERIOR FENCING - BOTH CEDAR AND METAL	●	●					
LIMESTONE SILL AT MURAL	●	●					
LANDSCAPE 12" BLACK DIRT - LANDSCAPE PREP	●	●					
LANDSCAPE NEW/TREES/PLANTERS PER SHEET L1			●	●			GC TO PROVIDE MINIMUM OF 12" BLACK DIRT FOR PLANTING NEW LANDSCAPE.

NOTES:

THE FOLLOWING IS INCLUDED IN THE MILLWORK SCOPE:

1. HOST STAND FRONT & BACK COUNTERS. SEE A11.4
2. CARRY OUT CABINETRY. SEE A11.4
3. LOW WALL SHIP LAP CLADDINGS: PAINTED SHIP LAP, PAINTED WOOD SOLID CAPS. SEE SHEET AETS A10.1-A10.3
4. PAINTED SHIP LAP WALL AT EXPO. SEE A10.1
5. SOLID WOOD SHELVES AT EXPO. SEE A10.1
6. BLACK POWDER COATED METAL STRAPPING AND CORNERS, INCLUDING 1 1/4" BLACK HAMMERED CLAVOS AT EXPO & AT ALL LOW WALLS. SEE A10.1-A10.3
7. STAINED WOOD SOLIDS AND VENEERS FOR LOW WALL AT LOUNGE. SEE A10.3
8. GUEST ROOM PAINTED SHIP LAP STALLS WITH POWDER COATED BLACK METAL FRAMES, ADA PROTECTIVE SINK SHROUD & PARTITION HARDWARE.
9. INSTALLATION OF OWNER PROVIDED DOOR PUSH, PULLS & DECORATIVE COAT HOOKS.
10. FURNISH BLACK POWDER COATED KICK PLATES. SEE A9.1
BAR:ITEMS SEE PAGES A11.2 AND A11.3
11. BLACK POWDER COATED STRAPPING AT CONCRETE COUNTER SEAMS.
12. BAR FOOT RAIL
13. RUSTED CORTEN STEEL PANELS ON GUEST SIDE OF DIE WALL
14. ISLAND END CABINETRY WITH PAINTED SHIP LAP CLADDING
15. WOOD FACED AND ACRYLIC TOPPED STEPPED "WEDDING CAKE" LIQUOR STEPS. (LIGHTING PROVIDED BY OWNER, INSTALLED BY ELEC SUB).
16. HANGING BLACK POWDER COATED LIQUOR DISPLAY CAGE AND METAL MESH, INCLUDING STAINED CEDAR UNDERSIDE. (LIGHTING BY OWNER INSTALLED BY GC'S ELEC).
17. TV HANGING BLACK POWDER COATED STRUCTURE
18. BLACK PAINTED WOOD END CAPS FOR TV'S
19. INSTALLATION OF OWNER SUPPLIED CUSTOM PURSE HOOKS.
OFFICE:
20. LAMINATE SHELVING, COUNTER TOP AND ADJUSTABLE STANDARDS
21. CORK FOR BACK SPLASH
OTHER:
22. WOOD DOORS - SEE DIVISION 8 AND SHEET A9.1
23. FAUX STEEL C- CHANNEL

GENERAL NOTES:
1. CONTRACTOR TO PROVIDE STORAGE "PODS/CONNEX" BOXES FOR OWNER SUPPLIED ITEMS. (FURNITURE, LIGHTING, TILE, ETC).
2. CONTRACTOR TO RECEIVE, STORE AND ORGANIZE OWNER SUPPLIED ITEMS BY STORAGE CONTAINER.
3. COORDINATE ARRIVAL DATE OF CONTAINER WITH OWNER.
4. BUILDING MATERIALS NOT TO BE STORED WITH OWNER SUPPLIED ITEMS.
5. CONTRACTOR TO RELOCATE ANY EXISTING IN MALL STORAGE ITEMS TO SITE CONTAINERS AS NEEDED FOR CONSTRUCTION.
6. ALL FURNITURE ASSEMBLED BY OWNER'S FURNITURE ASSEMBLER.
7. ON OWNER FURNISHED ITEMS SUCH AS TILE, NOTE GC'S SUB IS TO PROVIDED FLOOR PREP MATERIALS AND GROUT AS SPECIFIED.
8. GC TO COORDINATE THE INSTALLATION OF THE OWNER PROVIDED FL-1 AND PREPARE THE CONC-4 FLOORING TO RECEIVE THE FL-1 FLOORING.
9. ALL LAMPS FOR LIGHTING PROVIDED BY OWNER AND INSTALLED BY GC'S SUB. OWNER WILL PROVIDE A LAMPING GUIDEBOOK PRIOR TO INSTALLATION.
10. GC IS RESPONSIBLE FOR ALL PAINTING/BASE PAINTING PER DOCUMENTS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING: WALLS, WOOD WALLS, TOILET PARTITIONS, CEILINGS, DOORS, FRAMES, BRICK, ALL EXPOSED TRUSSES, DUCT WORK AND COORDINATION OF 2" ACOUSTICAL SPRAY PER SPECS INSTALLATION INSTRUCTIONS.
11. GC'S SUB TO PROVIDE ALL CONDUIT, WIRING & CONNECTIONS, TRANSFORMERS, CABINETS ETC FOR OWNER SUPPLIED LIGHT FIXTURES ON INTERIOR AND EXTERIOR

ISSUE FOR PERMIT

OWNER RELEASE: I HAVE REVIEWED THESE DRAWINGS FOR DESIGN INTENT AND HEREBY CERTIFY THAT THEY CONFORM IN ALL RESPECTS TO MY DESIGN CRITERIA AND ARE APPROVED.

BY:_____ DATE:_____

THESE DRAWINGS MAY HAVE BEEN REPRODUCED AT A SIZE DIFFERENTLY THAN ORIGINALLY DRAWN. OWNER AND ARCHITECT ASSUME NO RESPONSIBILITY FOR USE OF INCORRECT SCALE.

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH CONSTRUCTION AND NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR CONFLICTS.

NO	DATE	DESCRIPTION
1	04.25.25	ISSUE FOR PERMIT

STATE OF MISSOURI
WILLIAM D. WARNER
NUMBER A-2025012951
ARCHITECT

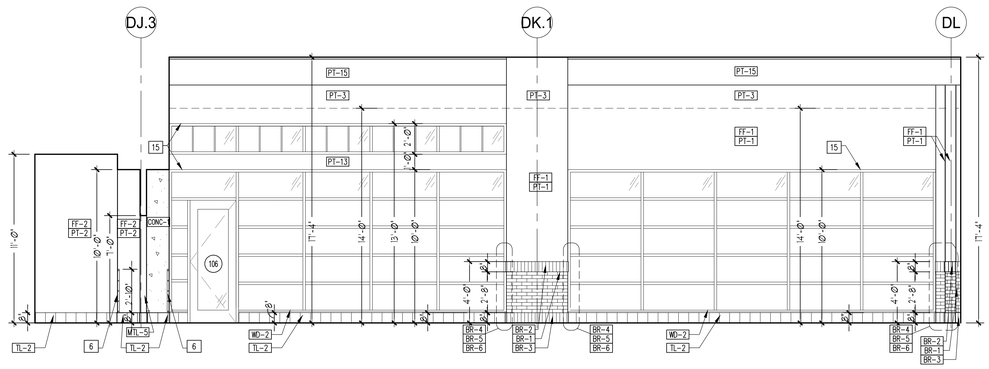
DATE: 04/25/2025
EXP. DATE: 12/31/2025

ANCHO & AGAVE
SUMMIT FAIR SHOPPING CENTER
D-BUILDING
860-A NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086

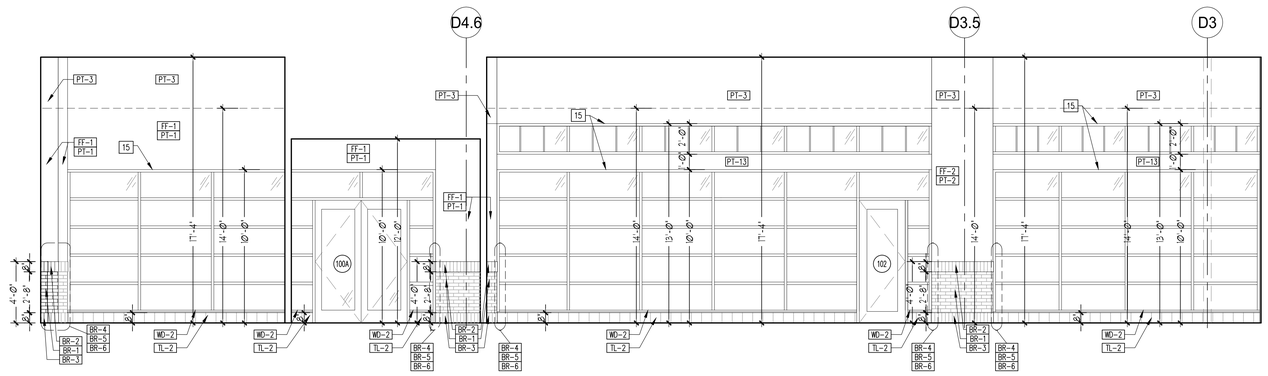
CARR WARNER
ARCHITECTS
ARCHITECTURE
INTERIORS
PLANNING
3711 N. RAVENSWOOD
SUITE #104
CHICAGO, ILLINOIS 60613
p 773-477-9009
f 773-477-6888
www.carrwarner.com

ROOM FINISH SCHEDULE & RESPONSIBILITY SCHEDULE

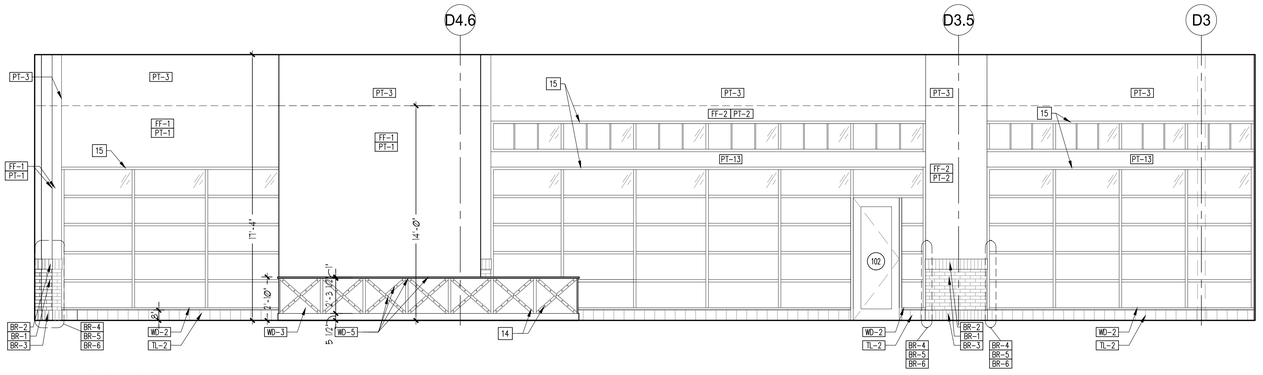
JOB NO: ANCHO - SUMMIT FAIR
DATE: 04.25.2025
SHEET NO: A9.3



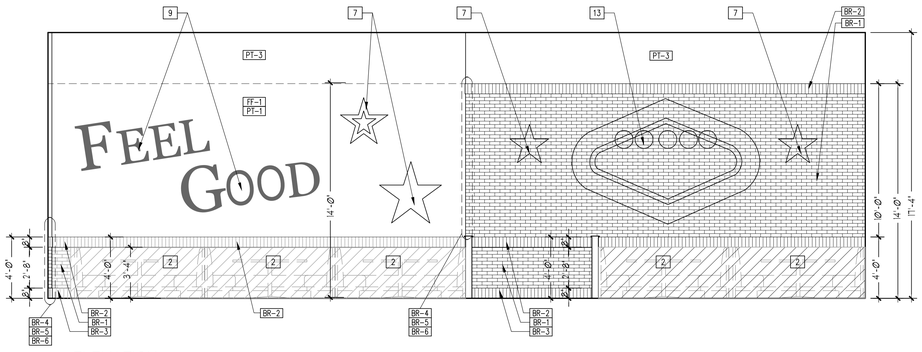
1 ELEVATION — BAR DINING 106, LOUNGE 107
SCALE: 1/4" = 1'-0" — EAST ELEVATION



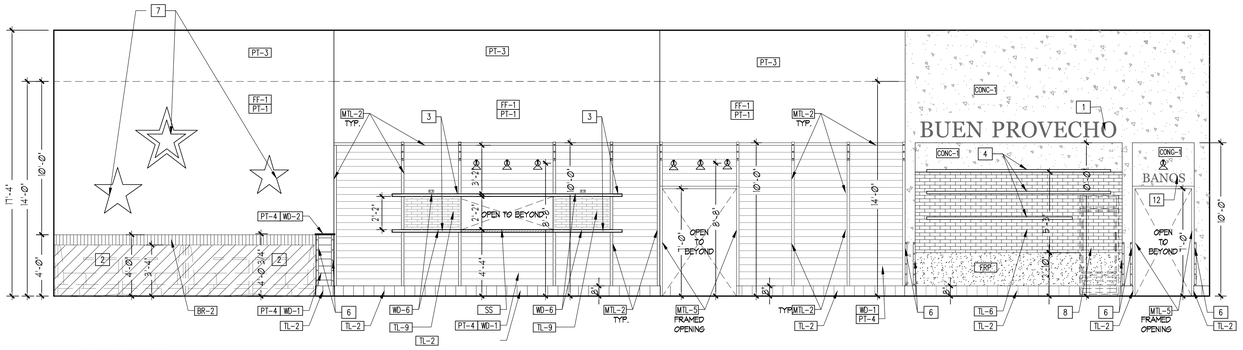
2 ELEVATION — LOUNGE 107, VESTIBULE 100, WAITING 101, MAIN DINING 102
SCALE: 1/4" = 1'-0" — SOUTH ELEVATION



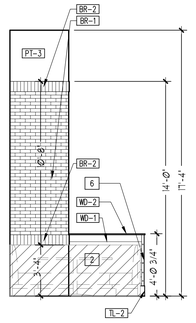
3 ELEVATION — LOUNGE 107, VESTIBULE 100, WAITING 101, MAIN DINING 102
SCALE: 1/4" = 1'-0" — SOUTH ELEVATION



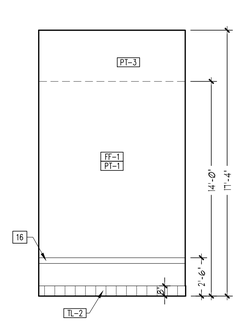
4 ELEVATION — MAIN DINING 102
SCALE: 1/4" = 1'-0" — WEST ELEVATIONS



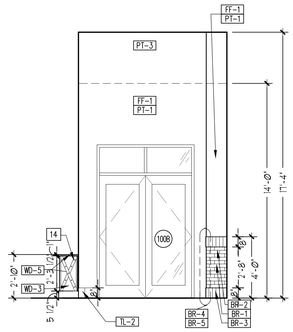
5 ELEVATION — MAIN DINING 102
SCALE: 1/4" = 1'-0" — EAST ELEVATION



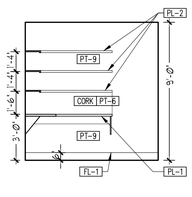
6 ELEVATION MAIN DINING 102
SCALE: 1/4" = 1'-0" — NORTH BOOTH WALL



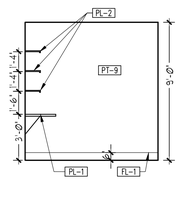
7 ELEVATION LOUNGE 107
SCALE: 1/4" = 1'-0" — WEST ELEVATION



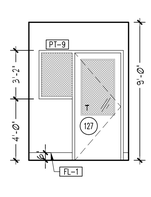
8 ELEVATION HOST 101
SCALE: 1/4" = 1'-0" — EAST ELEVATION



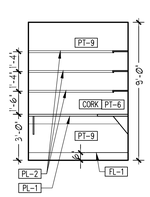
9 ELEVATION — OFFICE 123
SCALE: 1/4" = 1'-0" — NORTH ELEVATION



10 ELEVATION — OFFICE 123
SCALE: 1/4" = 1'-0" — SOUTH ELEVATION



11 ELEVATION — OFFICE 123
SCALE: 1/4" = 1'-0" — EAST ELEVATION



12 ELEVATION — OFFICE 123
SCALE: 1/4" = 1'-0" — WEST ELEVATION

KEY NOTES

1. BUEN PROVECHO LIT SIGN, WS-6, SEE E-SHEETS FOR POWER REQUIREMENTS. DESIGNER TO CONFIRM LOCATION PRIOR TO INSTALLATION OF POWER. GC TO PROVIDE IN WALL BACKING FOR SIGN
2. BOOTHS BY OWNERS MNFR. INSTALLED BY MNFR, GC TO PROVIDE FIELD VERIFICATION PRIOR TO MNFR FABRICATING BOOTHS
3. WOOD SHELVES, RECLAIMED BY MILLWORKER at EXPO
4. STAINLESS STEEL SHELVES BY KITCHEN EQUIPMENT VENDOR. INSTALLED BY KEC. MUST CONFIRM HEIGHTS WITH DESIGNER IN FIELD.
5. KITCHEN EQUIPMENT BY OTHERS. SHOWN DASHED
6. 2" BLACK METAL CORNER GUARDS WITH 1 ½" BLACK HAMMERED CLAVOS AT SIDES OF LOW WALLS AND CORNERS OF BEVERAGE STATION, BY GC'S MILLWORKER. CLAVOS PURCHASED BY OWNER INSTALLED BY MILLWORKER
7. LIT METAL STARS, WS-7, WS-8 &WS-9. SEE E-SHEETS FOR POWER REQUIREMENTS. DESIGNER TO CONFIRM LOCATION PRIOR TO GC INSTALLATION
8. UP RIGHT REFRIGERATOR FOR GRAB AND GO. PROVIDED BY KEC AND INSTALLED BY KEC
9. INDIVIDUAL LIT "FEEL GOOD" LETTERS (8). WS-4. SEE E-SHEETS FOR POWER REQUIREMENTS. DESIGNER TO CONFIRM LOCATION PRIOR TO INSTALLATION OF POWER.
10. LIGHTED LIQUOR STEPS BY MILLWORKER. STRIP LIGHTING PURCHASED BY OWNER INSTALLED BY GC
11. 2" STAINLESS STEEL CORNER GUARDS PROVIDED BY KEC AND INSTALLED BY KEC
12. DECORATIVE RESTROOM SIGN, PURCHASED BY OWNER & INSTALLED BY OWNER'S INSTALLER
13. TACO LIT SIGN. WS-5, SEE E-SHEETS FOR POWER REQUIREMENTS. DESIGNER TO CONFIRM LOCATION PRIOR TO INSTALLATION OF POWER. GC TO PROVIDE IN WALL BACKING FOR SIGN
14. METAL CLAVOS, PURCHASED BY OWNER INSTALLED BY MILLWORKER
15. GC TO PROVIDE PAINTED 1 X AT BOTTOM OF BRICK AT WINDOW HEAD LOCATION. SEE WINDOW SECTION FOR DETAIL. 1 X TO BE PAINTED BLACK
16. WOOD CHAIR RAIL AT WEST LOUNGE. MADE TO MATCH LOUNGE WALL BY MILLWORKER.

ISSUE FOR PERMIT

NO	DATE	DESCRIPTION
1	04.25.25	ISSUE FOR PERMIT

STATE OF MISSOURI
WILLIAM D. WARNER
NUMBER A-2012012951
ARCHITECT
DATE: 04/25/2025
EXP. DATE: 12/31/2025

ANCHO & AGAVE
SUMMIT FAIR SHOPPING CENTER
D-BUILDING
860-A NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086

CARR WARNER
ARCHITECTS
ARCHITECTURE
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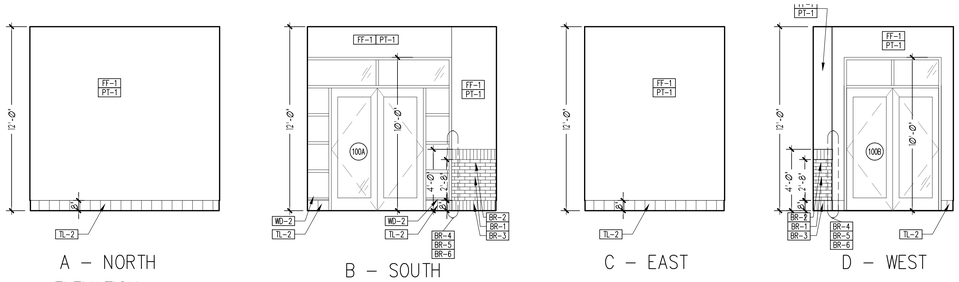
3711 N. RAVENSWOOD
SUITE #104
CHICAGO, ILLINOIS 60613
p 773-477-9009
f 773-477-6888
www.carrwarner.com

INTERIOR ELEVATIONS

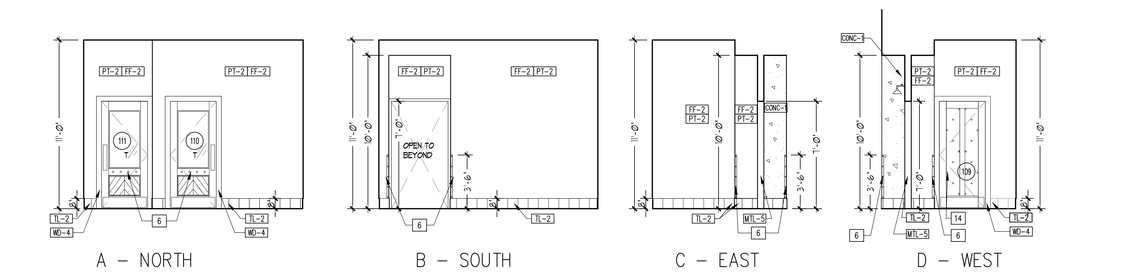
JOB NO: ANCHO - SUMMIT FAIR
DATE: 04.25.2025
SHEET NO: A10.1



① ELEVATION — VESTIBULE – 100

SCALE: 1/4" = 1'-0"

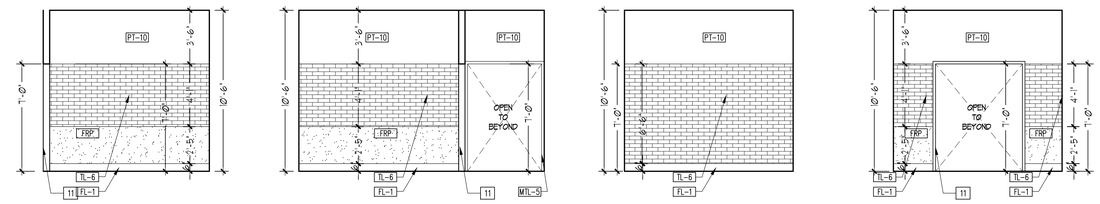
NORTH, SOUTH, EAST & WEST ELEVATIONS



② ELEVATION — CORRIDOR 108

SCALE: 1/4" = 1'-0"

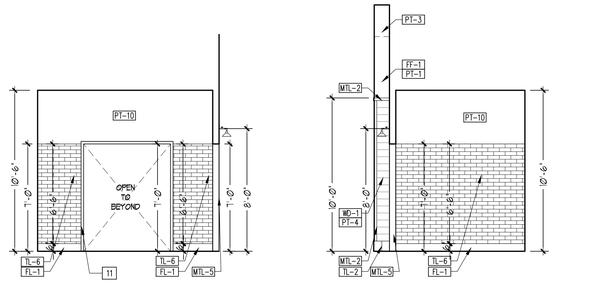
NORTH,SOUTH,EAST,WEST ELEVATIONS



③ ELEVATION — CHIP/WRAP STATION – 112

SCALE: 1/4" = 1'-0"

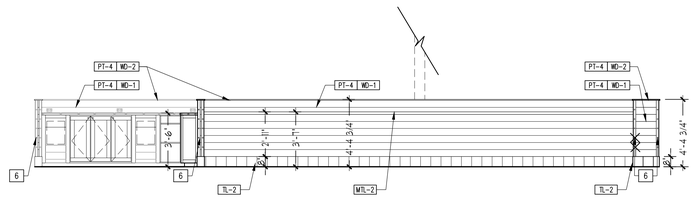
NORTH, SOUTH, EAST, WEST ELEVATIONS

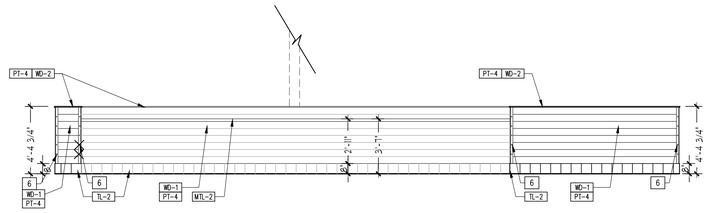


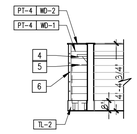
④ ELEVATION — KITCHEN ENTRY – 113

SCALE: 1/4" = 1'-0"

EAST WEST ELEVATIONS





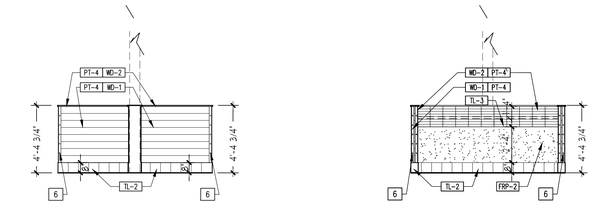


⑤ ELEVATION

SCALE: 1/4" = 1'-0"

LOW WALL AT BAR DINING - 106, HOST - 101 & MAIN DINING -102

EAST/WEST ELEVATIONS

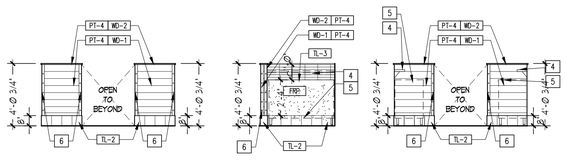


⑥ ELEVATION

SCALE: 1/4" = 1'-0"

LOW WALL AT BAR DINING - 106, HOST - 101, EXPO - 103 & MAIN DINING -102

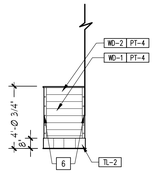
NORTH/SOUTH ELEVATIONS



⑦ ELEVATION — POS STATION MAIN DINING –102

SCALE: 1/4" = 1'-0"

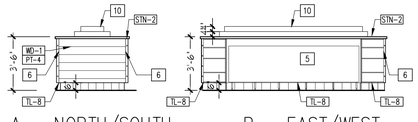
NORTH/SOUTH/EAST/WEST ELEVATIONS



⑧ ELEVATION — LOW WALL AT EXPO CORNER

SCALE: 1/4" = 1'-0"

WEST ELEVATION



⑨ ELEVATION — ISLAND AT BAR 105

SCALE: 1/4" = 1'-0"

NORTH/SOUTH - EAST/WEST ELEVATIONS

KEY NOTES

1. BUEN PROVECHO LIT SIGN. WS–6, SEE E–SHEETS FOR POWER REQUIREMENTS. DESIGNER TO CONFIRM LOCATION PRIOR TO INSTALLATION OF POWER. GC TO PROVIDE IN WALL BACKING FOR SIGN
2. BOOTHS BY OWNERS MNFR. INSTALLED BY MNFR, GC TO PROVIDE FIELD VERIFICATION PRIOR TO MNFR FABRICATING BOOTHS
3. WOOD SHELVES, RECLAIMED BY MILLWORKER at EXPO
4. STAINLESS STEEL SHELVES BY KITCHEN EQUIPMENT VENDOR. INSTALLED BY KEC. MUST CONFIRM HEIGHTS WITH DESIGNER IN FIELD.
5. KITCHEN EQUIPMENT BY OTHERS. SHOWN DASHED
6. 2" BLACK METAL CORNER GUARDS WITH 1 ½" BLACK HAMMERED CLAVOS AT SIDES OF LOW WALLS AND CORNERS OF BEVERAGE STATION, BY GC'S MILLWORKER. CLAVOS PURCHASED BY OWNER INSTALLED BY MILLWORKER
7. LIT METAL STARS, WS–7, WS–8 &WS–9. SEE E–SHEETS FOR POWER REQUIREMENTS. DESIGNER TO CONFIRM LOCATION PRIOR TO GC INSTALLATION
8. UP RIGHT REFRIGERATOR FOR GRAB AND GO. PROVIDED BY KEC AND INSTALLED BY KEC
9. INDIVIDUAL LIT "FEEL GOOD" LETTERS (8). WS–4, SEE E–SHEETS FOR POWER REQUIREMENTS. DESIGNER TO CONFIRM LOCATION PRIOR TO INSTALLATION OF POWER.
10. LIGHTED LIQUOR STEPS BY MILLWORKER. STRIP LIGHTING PURCHASED BY OWNER INSTALLED BY GC
11. 2" STAINLESS STEEL CORNER GUARDS PROVIDED BY KEC AND INSTALLED BY KEC
12. DECORATIVE RESTROOM SIGN, PURCHASED BY OWNER & INSTALLED BY OWNER'S INSTALLER
13. TACO LIT SIGN. WS–5, SEE E–SHEETS FOR POWER REQUIREMENTS. DESIGNER TO CONFIRM LOCATION PRIOR TO INSTALLATION OF POWER. GC TO PROVIDE IN WALL BACKING FOR SIGN
14. METAL CLAVOS, PURCHASED BY OWNER INSTALLED BY MILLWORKER
15. GC TO PROVDE PAINTED 1 X AT BOTTOM OF BRICK AT WINDOW HEAD LOCATION. SEE WINDOW SECTION FOR DETAIL. 1 X TO BE PAINTED BLACK
16. WOOD CHAIR RAIL AT WEST LOUNGE. MADE TO MATCH LOUNGE WALL BY MILLWORKER.

ISSUE FOR PERMIT

DO NOT SCALE DRAWINGS

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NO	DATE	DESCRIPTION
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STATE OF MISSOURI
WILLIAM D. WARNER
NUMBER A-2025012951
ARCHITECT

DATE: 04/25/2025
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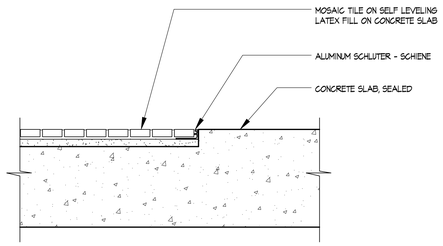
INTERIOR ELEVATIONS

JOB NO:	SHEET NO:
ANCHO - SUMMIT FAIR	A10.2
DATE: 04.25.2025	

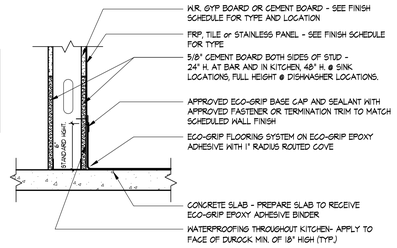


5 A11.1 FLOOR TRANSITION DETAIL - TILE TO CONCRETE

SCALE: N.T.S.

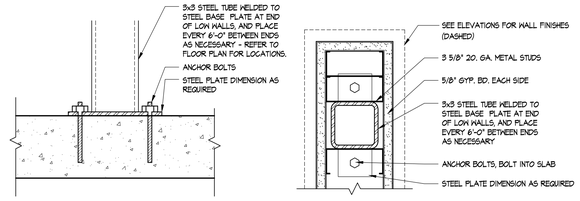
NOTE: RUN WATERPROOFING MIN. 18" UP DUROCK BASE, 18" ONTO FLOOR

NOTE: WATERPROOFING TO BE OF A CONTINUOUS APPLICATION WITH FLOOR. WATERPROOFING TO MAKE A TOTAL WATER PROOF SEAL



3 A11.1 TYPICAL KITCHEN BASE DETAIL

SCALE: N.T.S.

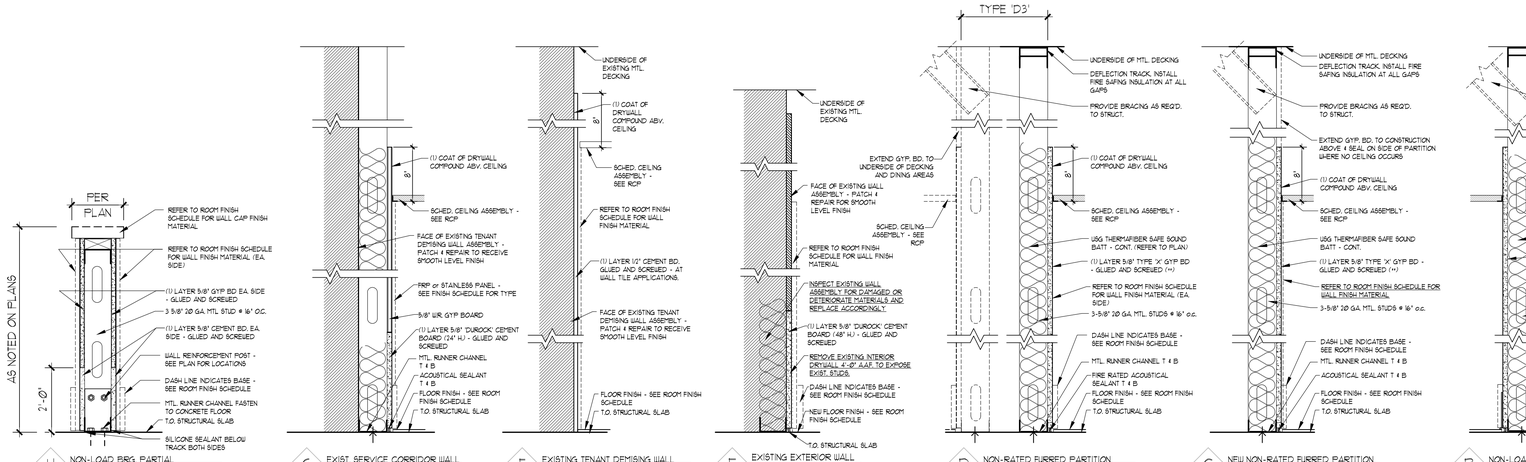


2 A11.1 LOW WALL SUPPORT DETAIL

SCALE: N.T.S.

GENERAL PARTITION NOTES:

1. PARTITIONS ARE INDICATED ON FLOOR PLANS BY GRAPHIC DESIGNATION AND/OR TYPE SYMBOL – REFER TO PARTITION LEGEND.
2. LINE OF STRUCTURE INDICATED FOR EACH PARTITION IS DIAGRAMMATIC ONLY AND DOES NOT INDICATE EXACT CONSTRUCTION CONDITIONS OR GEOMETRY – VERIFY EXISTING CONDITIONS IN FIELD.
3. DO NOT FASTEN PARTITION STUDS AND GYPSUM BOARD TO METAL CEILING RUNNER, TO ALLOW FOR STRUCTURAL DEFLECTION.
4. PROVIDE BRACING WHERE PARTITION HEIGHT EXCEEDS MANUFACTURER'S ALLOWABLE HEIGHT. DO NOT BRACE TO DUCTWORK OR OTHER SUCH COMPONENTS VERIFY ALLOWABLE HEIGHT PSF REQUIREMENTS WITH LOCAL CODE AUTHORITIES.
5. THE FIRE RATINGS AND STC RATINGS NOTED FOR THE GYPSUM BOARD PARTITION ASSEMBLIES SHOWN ARE COPIED AND TRANSCRIBED HERE FOR CONVENIENCE ONLY FROM THE UNDERWRITERS LABORATORY DIRECTORY AND THE UNITED STATES GYPSUM CATALOG.
6. WALL ASSEMBLIES AND PARTITIONS THAT RECEIVE FIRE RESISTIVE RATINGS SHALL BE CONSTRUCTED PER TESTED ASSEMBLIES. MANUFACTURER'S RECOMMENDATIONS AND THE REQUIREMENTS OF ALL APPLICABLE CODES AND LOCAL GOVERNING AUTHORITIES.
7. PENETRATIONS OR PRODUCTS FOR USE IN SPECIFIC FIRE RATED PARTITION ASSEMBLIES SHALL BE BASED ON SUCCESSFUL PERFORMANCE IN FIRE TESTS. THESE PENETRATIONS MAY INCLUDE BUT ARE NOT LIMITED TO ITEMS SUCH AS PIPING, CONDUIT, OR HVAC DUCTWORK.
8. EACH PARTITION SHOWN ON THE DRAWINGS TO BE A FIRE AND/OR SMOKE RESISTANT PARTITION SHALL BE IDENTIFIED AS SUCH WITH A LABEL ABOVE THE CEILING ON EACH SEGMENT OF THE WALL, 8'–0" O.C.
9. FIRE AND/OR SMOKE RESISTANT RATINGS ARE TO CONTINUE ABOVE ALL OPENINGS IN RATED PARTITIONS.
10. ELECTRICAL RECEPTACLES SHALL NOT BE LOCATED IN FIRE RATED PARTITIONS IN EXCESS OF TWO HOURS.
11. THE SURFACE AREA OF INDIVIDUAL METALLIC OUTLET OR SWITCH BOXES SHALL NOT EXCEED 16 SQ. IN. THE AGGREGATE SURFACE AREA OF BOXES SHALL NOT EXCEED 100 SQ. IN. PER 100 SQ. FT. OF WALL AREA. A HORIZONTAL DISTANCE OF 24 IN. SHALL SEPARATE BOXES LOCATED ON OPPOSITE SIDES OF PARTITIONS.
12. BOXES LOCATED IN CORRIDOR AND UNIT DEMISING PARTITIONS SHALL BE TREATED WITH ACOUSTICAL SEALANT AROUND PERIMETER AND BEHIND EACH BOX (FULL CLOSURE BED). IN ADDITION, OUTLET AND JUNCTION BOXES SHALL BE SEPARATED BY INSTALLING A METAL STUD BETWEEN THEM IN THE PARTITION.
13. COMPLETELY SEAL WITH CONTINUOUS ACOUSTICAL SEALANT ALL PARTITION HEADS, BASES, AND ENDS, PLUS SEAL ALL PENETRATIONS, INCLUDING BUT NOT LIMITED TO MECHANICAL, ELECTRICAL AND PLUMBING WORK.
14. SOUND ATTENUATION BLANKETS ARE TO BE INSTALLED IN ALL PARTITIONS SEPARATING PUBLIC FROM PRIVATE AREAS AND WHERE NOISE CAN BE TRANSMITTED (RESTROOMS) EXTEND BLANKETS FULL HEIGHT OF PARTITION UP TO BOTTOM OF STRUCTURE, INSTALLED IN TIGHT, COMPRESSION FIT TO STUDS, STRUCTURE AND ADJACENT SURFACES.
15. FINAL LOCATION AND PLACEMENT OF MEPFP ITEMS (BOTH HORIZONTAL AND VERTICAL) SHALL BE COORDINATED SUCH THAT THEY DO NOT TOUCH STUD PARTITION ASSEMBLIES AND CREATE AN ACOUSTICAL PROBLEM SUCH AS VIBRATION, IMPACT NOISE, ETC.
16. PROVIDE FIRE RETARDANT WOOD BLOCKING IN METAL STUD PARTITIONS AS REQUIRED FOR SUPPORT AND/OR INSTALLATION OF DOOR FRAMES, MOLDINGS, MILLWORK, WALL PANELS, HANDRAILS, GRAB BARS, AND/OR PARTITIONS WHICH CONTAIN PLUMBING FIXTURES (SUCH AS WET WALLS AND WALLS ADJACENT TO AND BEHIND PLUMBING FIXTURES) U.N.O.
17. CEMENTITIOUS BACKER BOARD SHALL BE USED AT PARTITIONS WHICH CONTAIN BATHROOM OR KITCHEN PLUMBING FIXTURES U.N.O.
18. USE GALVANIZED METAL CORNER BEADS AND EDGE TRIMS (OR SCREEDS AS REQUIRED) IN ALL EXPOSED WORK, POSITIVELY ATTACHED WITH FASTENERS.
19. TAPE AND APPLY JOINT COMPOUND TO ALL INTERIOR CORNERS AND MOVEMENT CONTROL JOINTS IN GYPSUM BOARD PARTITIONS U.N.O.
20. PROVIDE VERTICAL CONTROL JOINTS FOR ANY UNINTERRUPTED PARTITION LENGTH AT 30'–0" O.C. IN THE HORIZONTAL DIRECTION WHERE INDICATED OR AS REQUIRED. VERIFY LOCATIONS WITH ARCHITECT BEFORE INSTALLATION.
21. ALL PLUMBING, MECHANICAL AND ELECTRICAL WORK WITHIN PUBLIC SPACES IS TO BE CONCEALED BY PAINTED SUSPENDED GYPSUM BOARD SOFFITS AND CEILINGS, COORDINATE LOCATIONS WITH MEP–FP DRAWINGS.
22. ALL MASONRY PARTITIONS THAT EXTEND BETWEEN STRUCTURAL CONCRETE COLUMNS AND/OR SHEAR WALLS SHALL HAVE VERTICAL SEALANT JOINTS BETWEEN CONCRETE AND MASONRY.
23. ALL FIRESAFED MASONRY PARTITIONS SHALL HAVE CONTINUOUS FIRESAFING OF DENSITY AS SPECIFIED. PROVIDE CONTINUOUS JOINT FILLER AND ELASTOMERIC SEALANT AT THE TOP OF THE WALL AND UNDERSIDE OF STRUCTURE.
24. INTERSECTIONS OF MASONRY PARTITIONS SHALL BE CONSTRUCTED BY INTERLOCKING ALTERNATE COURSES OF MASONRY AND INSTALLING METAL TIES, RIGID ANCHORS, OR PREFABRICATED JOINT REINFORCEMENT.
25. COORDINATE LOCATIONS OF ALL OPENINGS REQUIRED IN MASONRY PARTITIONS WITH ARCHITECTURAL, STRUCTURAL AND MEP DRAWINGS. REFER TO STRUCTURAL DRAWINGS FOR LINTEL SCHEDULE AND REINFORCING SCHEDULE.
26. SEE FINISH PLAN FOR WATERPROOFING REQUIREMENTS



A NON-LOAD BRG. INT. PARTITION
NON RATED

A1 SAME AS TYPE 'A' EXCEPT 1 5/8" MTL STUDS ILO 3 5/8" MTL STUDS

A2 SAME AS TYPE 'A' EXCEPT 6" MTL STUDS ILO 3 5/8" MTL STUDS

B NON-LOAD BRG. INT. PARTITION
NON-RATED PARTITION

B1 SAME AS TYPE 'B' EXCEPT 6" MTL STUDS ILO 3 5/8" MTL STUDS

C NEW NON-RATED FURRED PARTITION

C1 SAME AS TYPE 'C' EXCEPT 1 5/8" MTL STUDS ILO 3 5/8" MTL STUDS

C2 SAME AS TYPE 'C' EXCEPT 6" MTL STUDS ILO 3 5/8" MTL STUDS

D NON-RATED FURRED PARTITION

D1 SAME AS TYPE 'D' EXCEPT 1 5/8" MTL STUDS ILO 3 5/8" MTL STUDS

D2 SAME AS TYPE 'D' EXCEPT 6" MTL STUDS ILO 3 5/8" MTL STUDS

D3 DOUBLE PLUMBING WALL CHASE
SAME AS 'D' EXCEPT USE (2) SEPARATE 3⅝" MTL STUD WALLS WITH ⅝" GYP. BD. GUSSET

E EXISTING EXTERIOR WALL

E1 SAME AS 'E' EXCEPT REMOVE EXISTING DRYWALL FULL HEIGHT FOR NEW 5/8" CEMENT BOARD ILO 48" A.F.F. - REFER TO INTERIOR ELEVATION FOR TILE PATTERN

F EXISTING TENANT DEMISING WALL

F1 DINING WALL WSIGNAGE
PROVIDE 1/8" MTL. FURRING @ 16" O.C. TO FACE OF DEMISING WALL

G EXIST. SERVICE CORRIDOR WALL

G1 SAME AS TYPE 'G' EXCEPT OMIT MTL. STUD WALL

H NON-LOAD BRG. PARTIAL HEIGHT WALL

H1 SAME AS 'H' EXCEPT USE (2) SEPARATE 3⅝" MTL STUD WALLS WITH ⅝" GYP. BD. GUSSET PER WALL WIDTH DIMENSION

1 A11.1 INTERIOR WALL TYPES

SCALE: N.T.S.

* PROVIDE CORNER & J-BEADS AT ALL CORNERS & TERMINATIONS OF GYP. BD.

- (**) REFER TO SHEET #A12.1 FLOOR FINISH PLAN AND SHEETS #A12.1- A12.3 INTERIOR ELEVATIONS FOR SELECTED WALL FINISH.
- IN LIEU OF ⅝" GYPSUM BOARD:
  - @ FRP: ⅝" CEMENT BOARD or ⅝" P.T. PLYWOOD
  - @ TILE: ⅝" CEMENT BOARD
  - @ THIN BRICK: ⅝" CEMENT BOARD.
  - @ STN. STL. PANELS: ⅜" CEMENT BOARD.

NOTES:
1. REFER TO WALL SECTIONS SHEET # A6.1 FOR EXTERIOR WALL ASSEMBLIES.
2. REFER TO FINISH SCHEDULE FOR LOCATION AND EXTENT OF ⅝" CEMENT BOARD AND ⅝" WATER RESISTANT GYPSUM BOARD IN LIEU OF ⅝" GYPSUM BOARD.

NOTE: BUILDING IS EQUIPPED WITH AN EXISTING APPROVED AUTOMATIC SPRINKLER SYSTEM COMPLYING WITH N.F.P.A. 13 2010 EDITION

ISSUE FOR PERMIT

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ARCHITECT
D.A.T.E.: 04/25/2025
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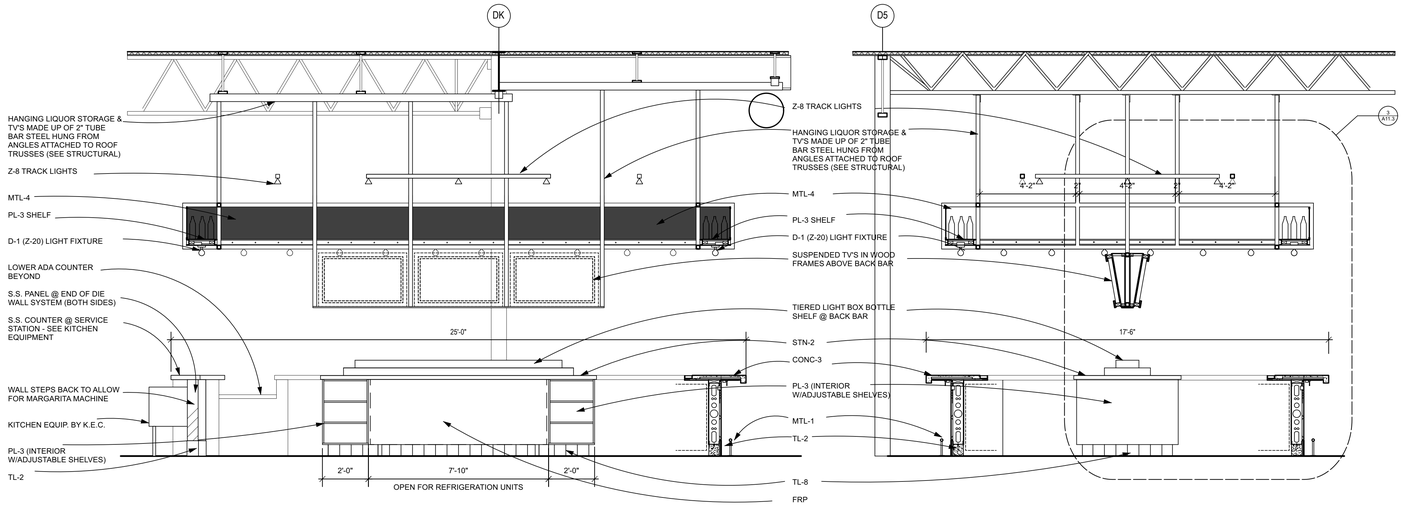
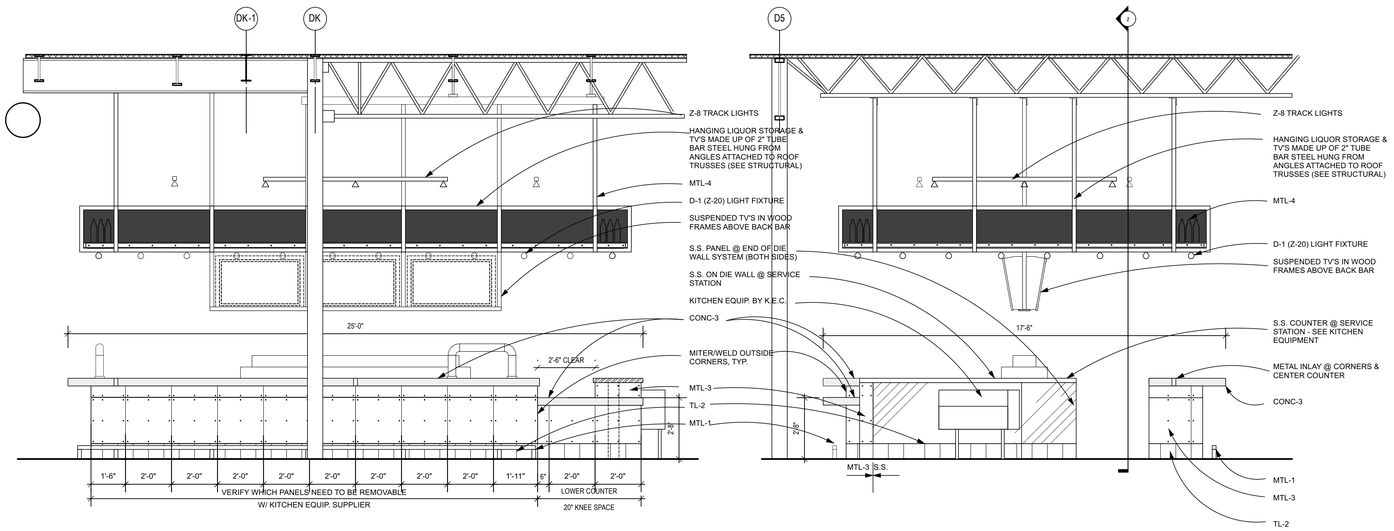
PARTITION TYPES & DETAILS

JOB NO: ANCHO - SUMMIT FAIR
DATE: 04.25.2025
SHEET NO: A11.1



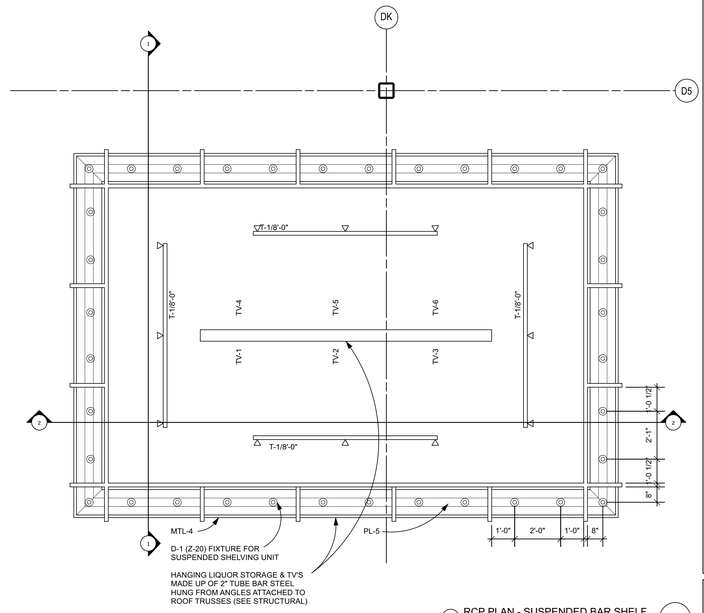
2 SEC. BAR LOOKING EAST
3/8" = 1'-0"

1 SEC. BAR LOOKING SOUTH
3/8" = 1'-0"

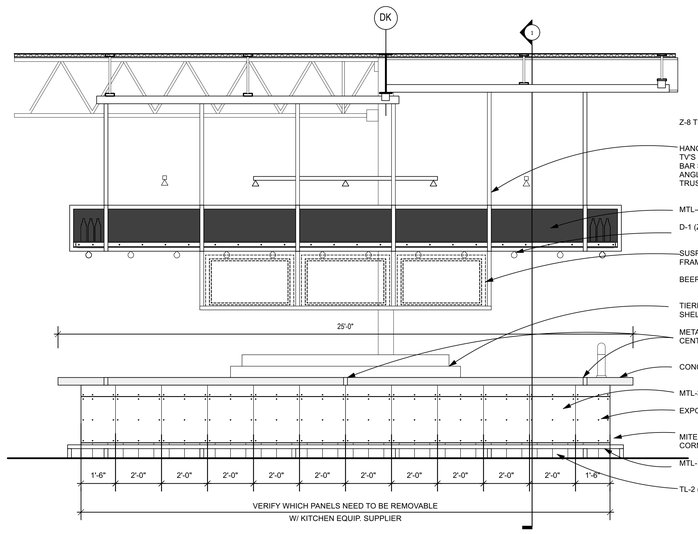


E EAST EL. - BAR
3/8" = 1'-0"

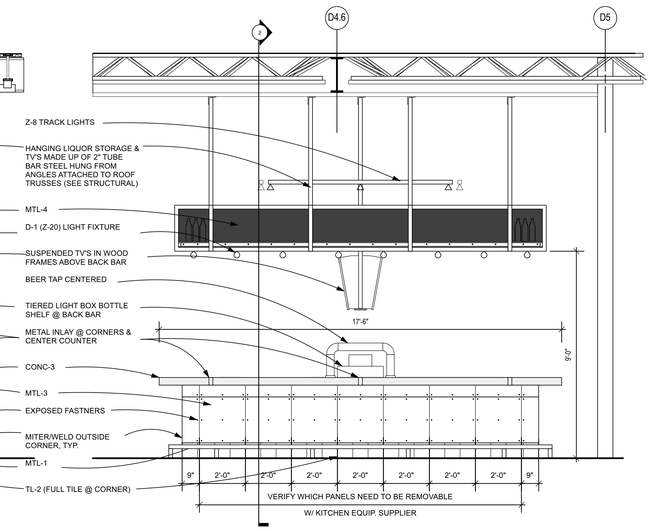
D NORHT EL. BAR
3/8" = 1'-0"



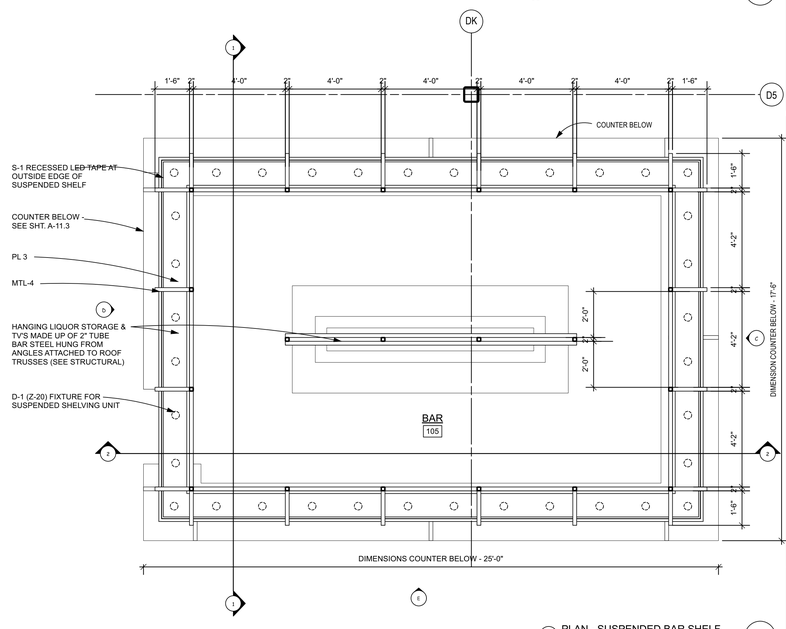
B RCP PLAN - SUSPENDED BAR SHELF
3/8" = 1'-0"



E WEST EL. - BAR
3/8" = 1'-0"



C SOUTH EL. - BAR
3/8" = 1'-0"



A PLAN - SUSPENDED BAR SHELF
3/8" = 1'-0"

ISSUE FOR PERMIT

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BY _____ DATE _____

THESE DRAWINGS MAY HAVE BEEN REPRODUCED AT A SIZE DIFFERENTLY THAN ORIGINALLY DRAWN. OWNER AND ARCHITECT ASSUME NO RESPONSIBILITY FOR USE OF INCORRECT SCALE.

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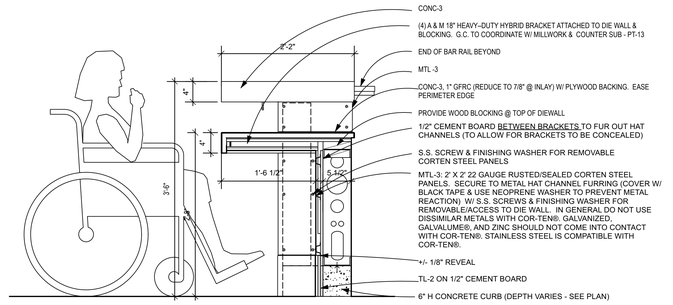
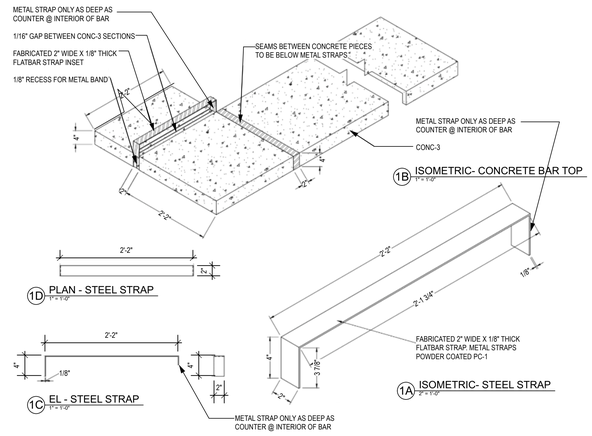
BAR PLANS, ELEVATIONS & SECTIONS

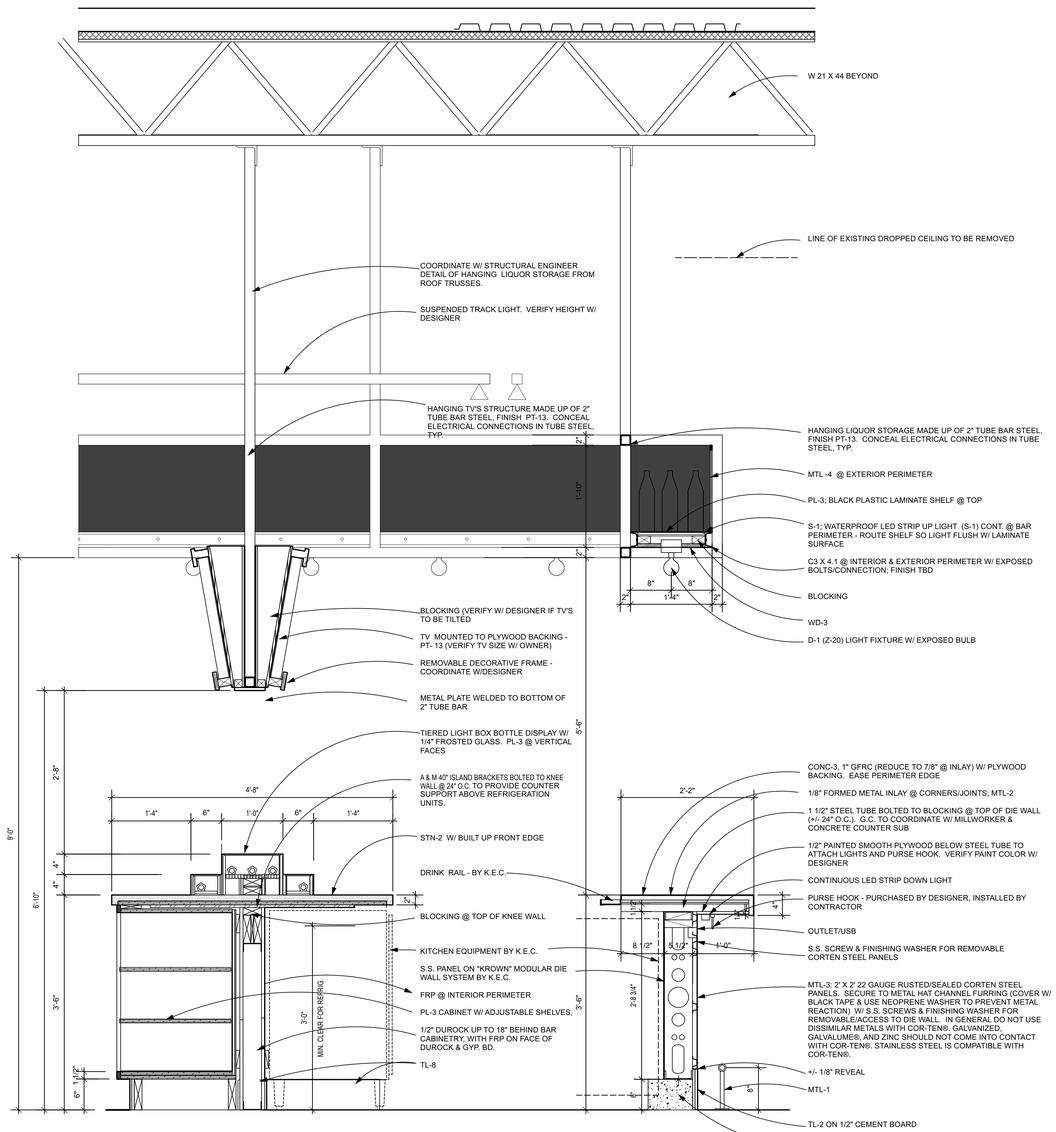
JOB NO:	SHEET NO:
ANCHO - SUMMIT FAIR	A-11.2
DATE: 04.25.2025	



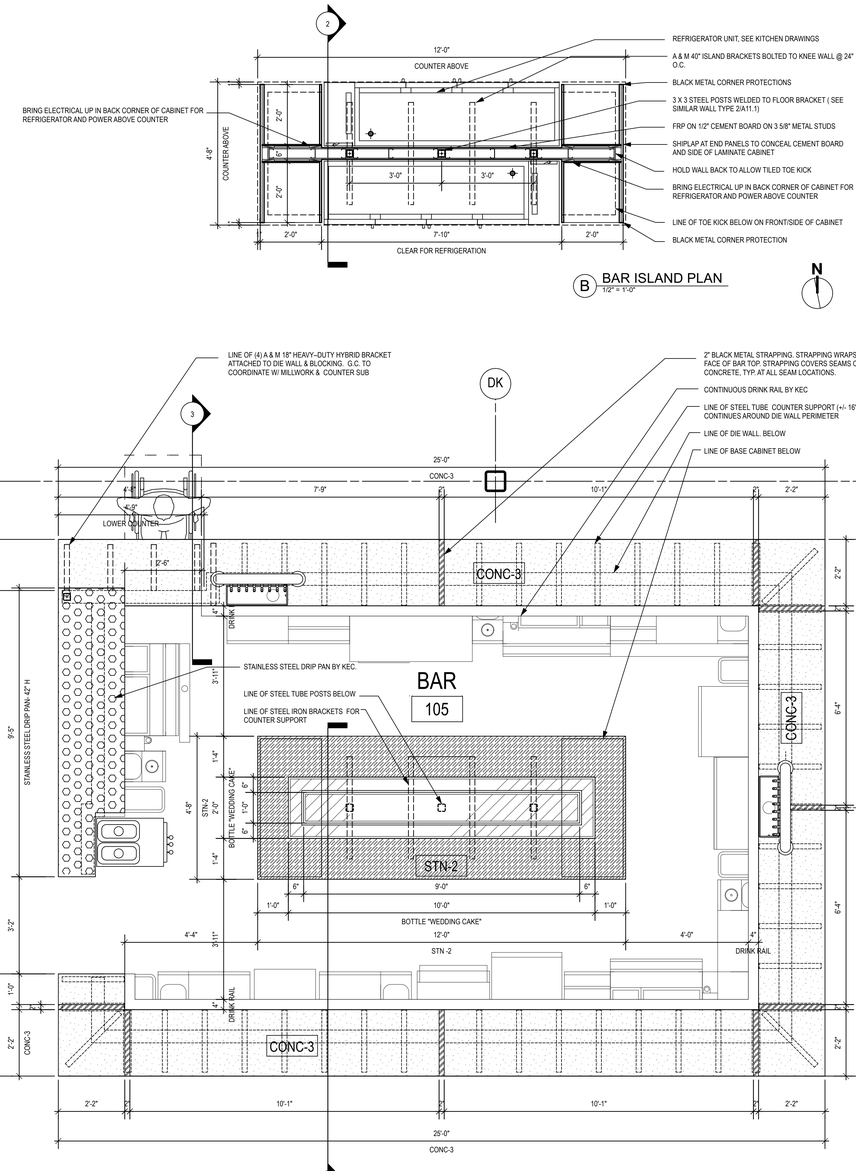
3 DTL/SEC @ LOWERED BAR COUNTER
1" = 1'-0"



1 BAR TOP DETAILS
1" = 1'-0"



2 DTL/SEC @ BAR LOOKING WEST
1" = 1'-0"



B BAR ISLAND PLAN
1/2" = 1'-0"

N

A ENLARGED BAR TOP PLAN
1/2" = 1'-0"

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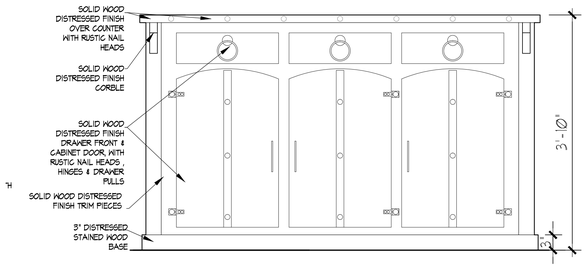
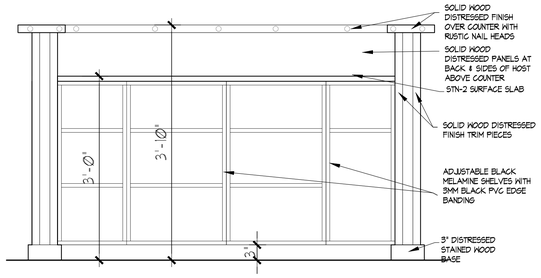
BAR DETAILS & SECTION

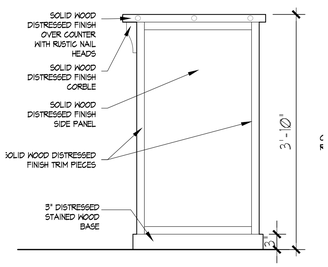
JOB NO: ANCHO - SUMMIT FAIR
DATE: 04.25.2025
SHEET NO: A-11.3



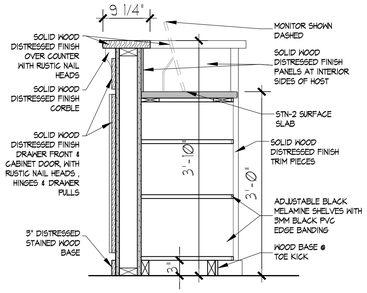
1 FRONT COUNTER FRONT ELEVATION
1" = 1'-0"



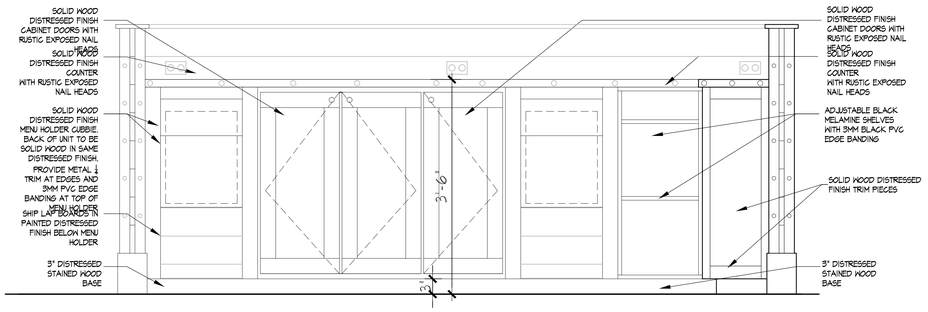
2 FRONT COUNTER BACK ELEVATION
1" = 1'-0"



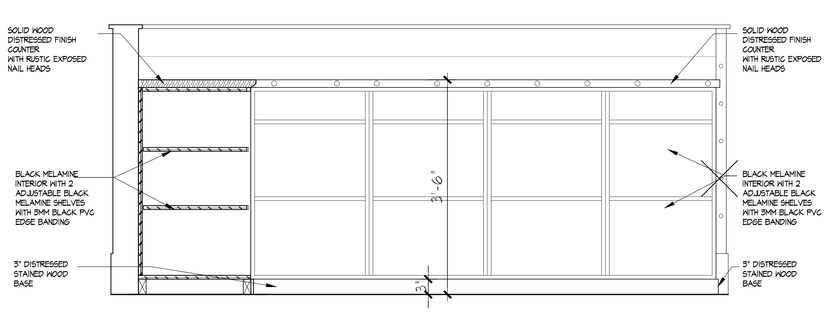
3 FRONT COUNTER SIDE ELEVATION
1" = 1'-0"



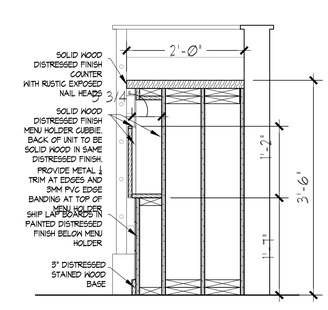
4 FRONT COUNTER SECTION
1" = 1'-0"



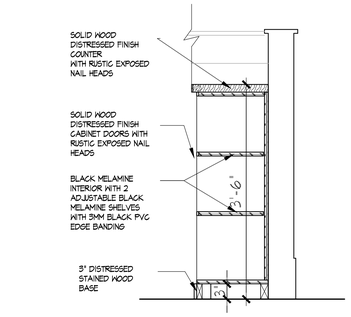
5 BACK COUNTER ELEVATION - WEST
1" = 1'-0"



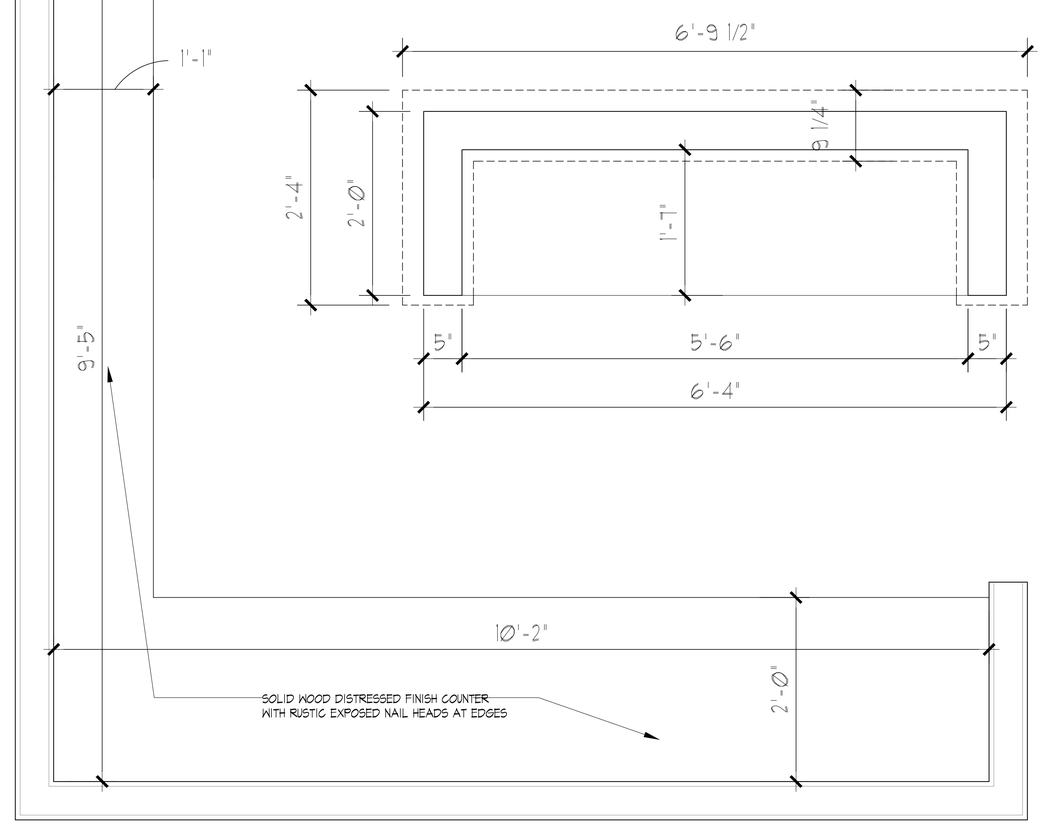
6 BACK COUNTER ELEVATION - NORTH & SECTION WEST @ OPEN SHELVING
1" = 1'-0"



7 SECTION AT MENU STORAGE
1" = 1'-0"



9 SECTION AT NORTH OPEN CABINET
1" = 1'-0"



10 COUNTER PLAN - FRONT AND BACK
1 1/2" = 1'-0"

ISSUE FOR PERMIT

OWNER RELEASE: I HAVE REVIEWED THESE DRAWINGS FOR DESIGN INTENT AND HEREBY CERTIFY THAT THEY CONFORM IN ALL RESPECTS TO MY DESIGN CRITERIA AND ARE APPROVED.

BY:_____ DATE:_____

THESE DRAWINGS MAY HAVE BEEN REPRODUCED AT A SIZE DIFFERENTLY THAN ORIGINALLY DRAWN. OWNER AND ARCHITECT ASSUME NO RESPONSIBILITY FOR USE OF INCORRECT SCALE.

DO NOT SCALE DRAWINGS

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NO	DATE	DESCRIPTION
1	042525	ISSUE FOR PERMIT

STATE OF MISSOURI
WILLIAM D. WARNER
NUMBER A-2025012951
ARCHITECT

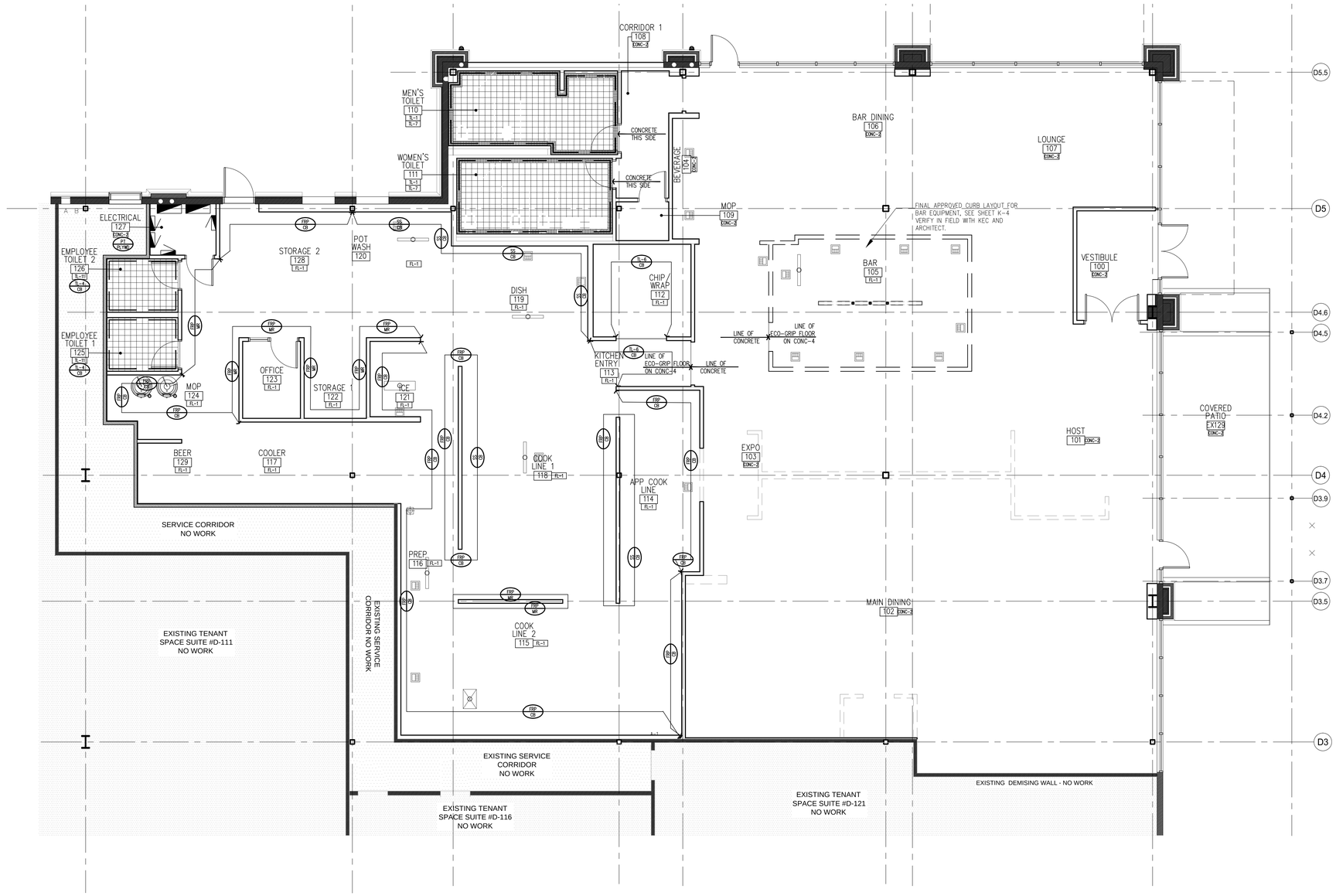
DATE: 04/25/2025
EXP. DATE: 12/31/2025

ANCHO & AGAVE
SUMMIT FAIR SHOPPING CENTER
D-BUILDING
860-A NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086

CARR WARNER
ARCHITECTS
ARCHITECTURE
INTERIORS
PLANNING
3711 N. RAVENSWOOD
SUITE #104
CHICAGO, ILLINOIS 60613
p 773-477-9009
f 773-477-6888
www.carrwarner.com

HOST STAND PLAN, ELEVATION & DETAILS

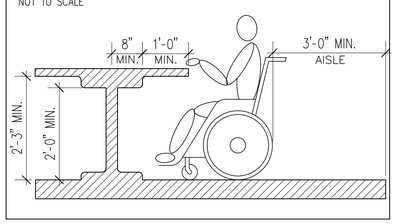
JOB NO:	SHEET NO:
ANCHO - SUMMIT FAIR	A11.4
DATE: 04.25.2025	



1 A12.1 FLOOR FINISH PLAN
3/16" = 1'-0"
0 1'2" 4' 8'
N

ACCESSIBLE TABLE SEATING DETAIL

NOT TO SCALE



FLOOR FINISH LEGEND

FL-1	POLYVINLY FLOORING ¼" THICK ON CONC-4
CONC-2	SEALED EXPOSED AGGREGATE CONCRETE
TL-1	8" X 8" DECORATIVE PORCELAIN TILE
TL-7	2" X 2" MOSIAC FLOOR TILE AT BORDER OF RESTROOMS. SEE PLAN FOR LAYOUT
TL-11	8 X 8" DECORATIVE FLOOR TILE BOH EMPLOYEE RESTROOMS
CPT	RECESSED WALK OFF MAT WITH SCHL-3 TRANSITION STRIP TO CONCRETE

NOTE: SEE FINISH LEGEND FOR ALL MATERIAL SPECIFICATIONS

SYMBOLS LEGEND

- FLOOR DRAIN – REFER TO PLUMBING AND K-SHEETS FOR EXACT LOCATIONS AND ADDITIONAL INFORMATION
- FS FLOOR SINK – REFER TO PLUMBING AND K-SHEETS FOR EXACT LOCATIONS AND ADDITIONAL INFORMATION
- FUN FUNNEL DRAIN – REFER TO PLUMBING AND K-SHEETS FOR EXACT LOCATIONS AND ADDITIONAL INFORMATION
- FCO-1 FLOOR CLEANOUT REFER TO PLUMBING AND K-SHEETS FOR EXACT LOCATIONS AND ADDITIONAL INFORMATION
- FLOOR TRENCH DRAIN – REFER TO PLUMBING AND K-SHEETS FOR EXACT LOCATIONS AND ADDITIONAL INFORMATION
- X-X / XX — DENOTES WALL FINISH / DENOTES SUBSTRATE
- AREA OF WATERPROOFING. G.C. TO RUN WATERPROOFING UP WALL 24"

AREA OF WATERPROOFING. G.C. TO RUN WATERPROOFING UP WALL 24", ALL BACK OF HOUSE RESTROOMS AND FRONT OF HOUSE RESTROOMS

WALL SUBSTRATE LEGEND

- MR — MOISTURE RESISTANT GYPSUM BOARD
- CB — CEMENTITUOUS BACKER BOARD – FULL HEIGHT

WALL FINISH LEGEND

- SS — STAINLESS STEEL BY K.E.C. INSTALL 5/8" CEMENTITIOUS BACKER BOARD SMOOTH SIDE OUT IN THESE AREAS. IN AREAS WHERE STAINLESS IS UNDER A HOOD. STAINLESS TO EXTEND 18" ABOVE THE CEILING.
- FRP — FIBERGLAS REINFORCED PLASTIC PANELS (WHITE SMOOTH)
- CB — CEMENTITIOUS BACKER BOARD (DUROCK OR EQUAL) – FULL HEIGHT OF WALL ANY WHERE SUBSTRATE CALLED OUT
- GYP — GYPSUM BOARD ½" PAINTED FINISH. SEE SCHEDULE FOR PAINT SPEC
- TL-4 — 3" X 6" SUBWAY WALL TILE
- TL-6 — 4" X 16" SUBWAY WALL TILE

GENERAL NOTES

1. ALL INTERIOR CONC. FLOORS TO RECEIVE A SLIP-RESISTANT, FLAT- TROWELED FINISH AND ALL FRONT OF HOUSE EXPOSED CONCRETE HAS AN EXPOSED AGGREGATE FINISH. ALL LINES OF A MEANS OF EGRESS SHALL HAVE A SLIP-RESISTANT FINISH.
2. BOOTH & BANQUETTE SEATING N.I.C.
3. ALL FLOORS/ WALLS IN TOILET ROOMS TO HAVE TROWEL APPLIED WATERPROOFING LATICRETE 9235 APPLIED 24" UP WALL AND 18" ONTO FLOORS WHERE FINAL FLOOR FINISH IS NOT CONCRETE
4. CAULK ALL FRP JOINTS @ DOORS, BASE, & CEILING WITH SILICONE (TYPICAL) TO MATCH WALL FINISH
5. SEAL ALL FRP IN KITCHEN WITH "URETHANE" SEALANT AS REQUIRED.
6. FORM SLIGHT PITCH TO DRAINS IN POURED CONC. SLOPE TO DRAINS ON EXTERIOR PATIO
7. ALL CUT TILES TO BE PUMICED SMOOTH.
8. TL-1 MUST CONFIRM START OF TILE LAYOUT WITH DESIGNER PRIOR TO SETTING BOTH BORDER AND FIELD TILES. CONFIRM LAYOUT WITH DESIGNER.
9. SEE SHEETS A11.2 & A11.3 FOR LOCATION OF TILE AT CENTER ISLAND OF BACK BAR. ALL OTHER FLOOR IN BAR AREA IS TO BE FL-1
10. A SIGN SHALL BE POSTED NEAR THE MAIN EXIT INDICATING THE MAXIMUM NUMBER OF OCCUPANTS PERMITTED, COORDINATE W/ FIRE DEPARTMENT.
11. AREA NEAR REAR EXIT SHALL NOT BE USED FOR ANY PURPOSE THAT WOULD INTERFERE W/ ITS USE AS A MEANS OF EGRESS.
12. ALL NON-FIXED SEATING AREAS SHALL BE HANDICAPPED ACCESSIBLE PER THE DETAIL BELOW.
13. FIRE EXTINGUISHERS ARE TO BE PROVIDED THROUGHOUT THE BUILDING PER THE REQUIRE- MENTS OF NFPA #10. VERIFY PLACEMENT WITH THE LOCAL FIRE INSPECTOR.
14. SEE STRUCTURAL DWGS S2.0 FOR CONTROL JOINTS AND A1.6 FOR SLAB DEPRESSION PLAN
15. FL-1 IS A POLYVNYL RECYCLED FLOOR. INSTALLED AT FLOOR AND BASE WITH FLASHING AT TOP OF BASE BACK OF HOUSE AND AT BAR. TRANSITION PLATES AND TRIM RINGS PROVIDED BY ECO-GRIP. INSTALLED BY ECO-GRIPS INSTALLER. GC TO COORDINATE INSTALL OF OWNER PROVIDED FLOOR.

    NOTE: THAT THIS FLOOR GOES ON TOP OF CONC-4 A NORMAL REINFORCED 5" THICK CONCRETE NOT SEALED AND NO EXPOSED AGGREGATE BOH.
16. SEE A10.2 & A10.3 FOR EXACT LOCATIONS OF WALL FINISHES FOR ROOM NUMBERS 118, 119, 120 AND 121 AND EMPLOYEE RESTROOMS 131 AND 132
17. THRESHOLDS BETWEEN FL-1 CONCRETE AND TILE ARE PROVIDED BY ECO-GRIP INSTALLER
18. STAINLESS STEEL PANELS UNDER HOOD LOCATIONS ARE TO EXTEND 18" ABOVE THE FINISH CEILING.

ISSUE FOR PERMIT

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BY:_____ DATE:_____

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p 773-477-9009
f 773-477-6888
www.carrwarner.com

FLOOR FINISH PLAN

JOB NO: ANCHO - SUMMIT FAIR
SHEET NO: A12.1
DATE: 04.25.2025

GENERAL NOTES

1. REQUIREMENTS AND DESIGN DATA SHALL BE FOLLOWED ENTIRELY, REGARDLESS OF WHETHER THEY ARE GIVEN BY BOTH THE SPECIFICATIONS AND DRAWINGS OR BY EITHER ONE ONLY.

2. UNLESS OTHERWISE NOTED, ALL DETAILS, SECTIONS AND NOTES ON THE DRAWINGS ARE INTENDED TO BE TYPICAL FOR SIMILAR SITUATIONS ELSEWHERE.

3. DESIGN LOADS, ALLOWABLE STRESSES AND STRUCTURAL CAPACITIES ARE BASED ON THE INTERNATIONAL BUILDING CODE 2018.

   EARTHQUAKE DESIGN DATA(PATIO ROOF ONLY):
   SEISMIC IMPORTANCE FACTOR, I = 1.0
   RISK CATEGORY: II
   SS = .1
   S1 = .068
   SITE CLASS: C
   SDS = .087
   SD1 = .068
   SEISMIC DESIGN CATEGORY: B
   BASIC SEISMIC-FORCE-RESISTING-SYSTEM:
   ORDINARY STEEL MOMENT FRAME
   DESIGN BASE SHEAR = .138K
   SEISMIC RESPONSE COEFFICIENT, CS = .029
   RESPONSE MODIFICATION FACTOR, R = 3
   ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE

   WIND DESIGN DATA(PATIO ROOF ONLY):
   BASIC WIND SPEED = 107MPH
   WIND IMPORTANCE FACTOR, I = 1.0
   RISK CATEGORY = II
   WIND EXPOSURE: B
   INTERNAL PRESSURE COEFFICIENT: NA
   COMPONENTS AND CLADDING DESIGN WIND PRESSURE(UNFACTORED.
   + INDICATES WIND ACTING TOWARD SURFACE. - INDICATES WIND ACTING AWAY FROM SURFACE):
   ROOFS: +24.4/-26.8PSF

   SNOW LOAD DATA:
   GROUND SNOW LOAD, Pg = 20PSF
   SNOW EXPOSURE FACTOR, Ce = 1.0
   SNOW LOAD IMPORTANCE FACTOR, I = 1.0
   THERMAL FACTOR, Ct = 1.2
   FLAT-ROOF SNOW LOAD, Pf = 16.8PSF

4. CONTRACTOR SHALL PROVIDE TEMPORARY BRACING TO THE STRUCTURE CAPABLE OF RESISTING A FULL WIND LOAD UPON THE BUILDING UNTIL THE ENTIRE ROOF DECK IS CONNECTED TO THE ROOF STRUCTURE.

SUBMITTALS

1. SHOP DRAWINGS PREPARED BY THE CONTRACTORS, SUPPLIERS, ETC. SHALL BE REVIEWED BY STRUCTURAL ENGINEER ONLY FOR CONFORMANCE WITH DESIGN CONCEPT. NO WORK SHALL BE STARTED WITHOUT SUCH REVIEW.

2. SHOP DRAWINGS PREPARED BY SUPPLIERS AND SUBCONTRACTORS SHALL BE REVIEWED BY THE GENERAL CONTRACTOR PRIOR TO SUBMITTAL TO STRUCTURAL ENGINEER.

3. CONTRACTORS TO ASSUME FULL RESPONSIBILITY, UNRELIEVED BY REVIEW OF SHOP DRAWINGS AND BY SUPERVISION OR PERIODIC OBSERVATION OF CONSTRUCTION, FOR THE FOLLOWING:

   a) COMPLIANCE WITH CONTRACT DOCUMENTS.
   b) DIMENSIONS TO BE CONFIRMED AND CORRELATED ON THE JOB SITE AND BETWEEN INDIVIDUAL DRAWINGS OR SETS OF DRAWINGS.
   c) FABRICATION PROCESSES AND CONSTRUCTION TECHNIQUES (INCLUDING EXCAVATION, SHORING, SCAFFOLDING, BRACING, ERECTION, FORMWORK, ETC.)
   d) COORDINATION OF THE VARIOUS TRADES.
   e) SAFE CONDITIONS AT THE JOB SITE.

4. THE FOLLOWING SUBMITTALS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW:

   CONCRETE REINFORCING SHOP DRAWINGS
   CONCRETE MIX DESIGNS
   (D) STRUCTURAL STEEL SHOP DRAWINGS
   STEEL JOIST SHOP DRAWINGS
   TONGUE AND GROOVE DECKING PRODUCT DATA

   (S) INDICATES SUBMITTAL THAT SHALL BE SIGNED AND SEALED BY A LICENSED STRUCTURAL ENGINEER IN THE STATE OF ILLINOIS.

   (D) INDICATES DEFERRED STRUCTURAL SUBMITTALS, WHICH HAVE NOT BEEN PERMITTED UNDER THE BASE BUILDING APPLICATION. AFTER DEFERRED STRUCTURAL SUBMITTALS HAVE BEEN REVIEWED AND FOUND TO BE IN GENERAL CONFORMANCE WITH THE DESIGN CONCEPT, CONTRACTOR SHALL SUBMIT DEFERRED STRUCTURAL SUBMITTALS TO THE BUILDING OFFICIAL FOR APPROVAL. WORK ON DEFERRED STRUCTURAL SUBMITTAL ITEMS SHALL NOT START UNTIL AFTER THE DEFERRED STRUCTURAL SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL.

SPECIAL INSPECTIONS

1. SPECIAL INSPECTIONS SHALL BE PROVIDED IN ACCORDANCE WITH IBC CHAPTER 17.

2. THE INSPECTION AND TESTING AGENT SHALL BE HIRED BY THE OWNER AND NOT BY THE CONTRACTOR OR SUBCONTRACTOR WHOSE WORK IS TO BE INSPECTED OR TESTED. ANY CONFLICT OF INTEREST MUST BE DISCLOSED TO THE BUILDING OFFICIAL PRIOR TO COMMENCEMENT OF WORK. THE QUALIFICATIONS OF ALL PERSONNEL PERFORMING SPECIAL INSPECTION ACTIVITIES ARE SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL.

3. SPECIAL INSPECTIONS SHALL BE PROVIDED AS SHOWN IN THE TABLES ON THIS SHEET.

FOUNDATION

1. FOUNDATIONS ARE DESIGNED FOR A NET ALLOWABLE BEARING PRESSURE OF 1500 POUNDS PER SQUARE FOOT(PSF).

2. EXCAVATIONS SHALL BE EXAMINED BY A QUALIFIED GEOTECHNICAL ENGINEER TO VERIFY THE BEARING CAPACITY.

3. DO NOT CAST FOOTINGS AGAINST EDGES OF EXCAVATION. ALL FOOTINGS ARE TO BE FORMED WITH APPROVED FORM MATERIAL TO THE SIZES INDICATED ON THE PLANS.

CONCRETE

1. CONCRETE WORK SHALL CONFORM TO THE CURRENTLY ADOPTED ACI 318, BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE; ACI 301, SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS; ACI 302.1R, GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION.

2. ULTIMATE COMPRESSIVE STRENGTH OF PORTLAND CEMENT CONCRETE, STANDARD WEIGHT AT TWENTY-EIGHT DAYS SHALL BE 4000 PSI FOR ALL CONCRETE WORK. DESIGN AND SUBMITTAL FOR CONCRETE MIX SHALL BE IN ACCORDANCE WITH ACI318, CHAPTER 5 AND ACI 301, SECTION 4 AND SHALL BE SUBMITTED IN ADVANCE TO STRUCTURAL ENGINEER FOR APPROVAL.

3. AIR ENTRAINED CONCRETE SHALL BE USED FOR ALL CONCRETE EXPOSED TO WEATHER, EXCEPT AS NOTED IN THE DRAWINGS.

4. CALCIUM CHLORIDE AND/OR ADMIXTURES CONTAINING CALCIUM CHLORIDE SHALL NOT BE INCLUDED IN CONCRETE MIX.

5. CONCRETE CONTRACTOR SHALL NOT POUR CONCRETE IN ADVERSE WEATHER CONDITIONS OR WHEN SUCH IS FORECAST FOR THE TIME PERIOD FOLLOWING THE POUR, UNLESS PROPER CURING AND PROTECTION IS PROVIDED CONTINUOUSLY UNTIL CONCRETE DEVELOPS ITS DESIGN STRENGTH.

6. UNLESS OTHERWISE NOTED, PRINCIPAL REINFORCEMENT SHALL HAVE THE FOLLOWING CONCRETE PROTECTION:

   a) SURFACES NOT FORMED --- 3 INCHES
   b) FORMED SURFACES IN CONTACT WITH SOIL OR WATER, OR EXPOSED TO WEATHER --- 1 1/2 INCHES
   c) FORMED SURFACES NOT IN CONTACT WITH SOIL OR WATER, OR EXPOSED TO WEATHER --- 3/4 INCH

CONCRETE REINFORCEMENT

1. REINFORCING BARS SHALL CONFORM TO ASTM SPECIFICATIONS A615; ALL BARS, GRADE 60.

2. DETAILING AND ACCESSORIES SHALL CONFORM TO THE ACI DETAILING MANUAL AND TO THE CRSI MANUAL OF STANDARD PRACTICE, CURRENT EDITIONS, UNLESS NOTED OTHERWISE HERE, ON DRAWINGS, OR IN SPECIFICATIONS.

3. ALL LAPS, WHEN NOT DIMENSIONED ON DRAWINGS, SHALL BE 48 BAR DIAMETERS AND NOT LESS THAN 24".

4. REINFORCING BARS ARE TO BE PLACED ON CHAIRS OR OTHER ACCESSORIES TO INSURE PROPER PLACEMENT. REINFORCING SHALL NOT BE PULLED OR MUDDED IN PLACE.

5. REINFORCING SHOP DRAWINGS SHALL SHOW CLEARANCES TO ALL BARS.

STRUCTURAL STEEL

1. ALL DETAILING, FABRICATION, AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, AISC360-16 USING LRFD.

2. MISCELLANOUS STRUCTURAL STEEL SHALL CONFORM TO ASTM SPECIFICATION A36. ROLLED WIDE FLANGE MEMBERS SHALL CONFORM TO ASTM SPECIFICATION A992. HSS MEMBERS SHALL CONFORM TO ASTM A500 GR. C.

3. BOLTS FOR ALL FRAME CONNECTIONS SHALL CONFORM TO ASTM A325, TYPE 1. ANCHOR BOLTS SHALL CONFORM TO ASTM F1554 GR. 36 UNLESS OTHERWISE INDICATED. BOLTS SHALL BE 3/4" DIAMETER MINIMUM.

4. FOR SHEAR CONNECTION NOT SPECIFICALLY DETAILED ON THE DRAWINGS, THE STEEL FABRICATOR IS ALLOWED TO SELECT THE CONNECTION FROM THE AISC TABLES 10-1 THROUGH 10-11 TO MEET THE REQUIRED SHEAR CAPACITY INDICATED ON THE DRAWINGS. IF NO SHEAR INDICATED, USE 15KIPS LRFD.

5. WELD SHALL CONFORM TO AWS D1.1-2008, CLASS E70XX SERIES ELECTRODES, UNLESS OTHERWISE NOTED. WELDING SHALL BE DONE BY CERTIFIED WELDERS.

6. UNLESS OTHERWISE GIVEN OR REQUIRED BY CALCULATION, ALL WELDS SHALL BE 3/16" FILLET TYPE.

7. STRUCTURAL STEEL SHALL HAVE ONE SHOP COAT GREY PRIMER ON ALL SURFACES.

8. CUTS, HOLES (OPENINGS), ETC., REQUIRED IN STRUCTURAL STEEL MEMBERS FOR THE WORK OF OTHER TRADES SHALL BE SHOWN ON THE SHOP DRAWINGS. BURNING OF HOLES AND CUTS IN STRUCTURAL STEEL MEMBERS IN THE FIELD SHALL NOT BE ALLOWED, EXCEPT BY WRITTEN PERMISSION FROM THE ARCHITECT.

9. THE DESIGN, MANUFACTURE, AND ERECTION OF STEEL JOISTS AND JOIST BRIDGING SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR OPEN WEB STEEL JOISTS" OF THE STEEL JOIST INSTITUTE, CURRENT EDITION. JOIST BRIDGING WHEN SHOWN ON THE DRAWINGS IS ONLY FOR ESTIMATING OR COORDINATION WITH OTHER TRADES.

10. ALL EQUIPMENT HUNG FROM JOISTS SHALL BE SUPPORTED FROM TOP CHORDS AT PANEL POINTS OR REINFORCING SHALL BE PROVIDED. ANY LOADS GREATER THAN 100 POUNDS SHALL BE PROVIDED TO THE JOIST SUPPLIER.

11. JOIST SEATS SHALL BE DESIGNED TO TRANSFER 1500(ASD) POUND ROLLOVER FORCE FROM THE DECK TO THE SUPPORT BELOW.

REQUIRED SPECIAL INSPECTIONS AND TESTS OF SOILS

TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION
1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	--	X
2. Verify excavations are extended to proper depth and have reached proper material.	--	X
3. Perform classification and testing of compacted fill materials.	--	X
4. Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill.	X	--
5. Prior to placement of compacted fill, inspect subgrade and verify that site has been prepared properly.	--	X

REQUIRED INSPECTION TASKS OF STRUCTURAL STEEL

INSPECTION TASK	QUALITY CONTROL (QC)	QUALITY ASSURANCE (QA)
Inspection Tasks Prior to Welding		
Welding procedure specifications (WPSs) available	P	P
Manufacturer certifications for welding consumables available	P	P
Material identification (type/grade)	O	O
Welder identification system	O	O
Fit-up of groove welds (including joint geometry) • Joint prepartion • Dimensions (alignment, root opening, root face, bevel) • Cleanliness (condition of steel surfaces) • Tacking (tack weld quality and location) • Backing type and fit (if applicable)	O	O
Configuration and finish of access holes	O	O
Fit-up of fillet welds • Dimensions (alignment, gaps at root) • Cleanliness (condition of steel surfaces) • Tacking (tack weld quality and location)	O	O
Check welding equipment	O	--
Inspection Tasks During Welding		
Use of qualified welders	O	O
Control and handling of welding consumables • Packaging • Exposure control	O	O
No welding over cracked tack welds	O	O
Environmental conditions • Wind speed within limits • Precipitation and temperature	O	O
WPS followed • Settings on welding equipment • Travel speed • Selected welding materials • Shielding gas type/flow rate • Preheat applied • Interpass temperature maintained (min./max.) • Proper position (F, V, H, OH)	O	O
Welding techniques • Interpass and final cleaning • Each pass within profile limitations • Each pass meets quality requirements	O	O
Inspection Tasks After Welding		
Welds cleaned	O	O
Size, length and location of welds	P	P
Welds meet visual acceptance criteria • Crack prohibition • Weld/base-metal fusion • Crater cross section • Weld size • Undercut • Porosity	P	P
Arc strikes	P	P
k-area	P	P
Backing removed and weld tabs removed (if required)	P	P
Repair activities	P	P
Document acceptance or rejection of welded joint or member	P	P
Inspection Tasks Prior to Bolting		
Manufacturer's certifications available for fastener materials	O	P
Fasteners marked in accordance with ASTM requirements	O	O
Proper fasteners selected for the joint detail (grade, type, bolt length if threads are to be excluded from shear plane)	O	O
Proper bolting procedure selected for joint detail	O	O
Connecting elements, including the appropriate faying surface condition and hole preparation, if specfied, meet applicable requirements	O	O
Pre-installation verification testing by installation personnel observed and documented for fastener assemblies and methods used	P	O
Proper storage provided for bolts, nuts, washers and other fastener...	O	O
Inspection Tasks During Bolting		
Fastener assemblies, of suitable condition, placed in all holes and washers (if required) are positioned as required	O	O
Joint brought to the snug-tight condition prior to the pretensioning operation	O	O
Fastener component not turned by the wrength prevented from rotating	O	O
Fasteners are pretensioned in accordance with the RCSC Specification, progressing systematically from the most rigid point toward the free edges	O	O
Inspection Tasks After Bolting		
Document acceptance or rejection of bolted connections	P	P

O - Observe these items on a random basis. Operations need not be delayed pending these inspections.

P - Perform these tasks for each welded joint or steel element.

STATEMENT OF SPECIAL INSPECTIONS

1. SPECIAL INSPECTIONS AND TESTS SHALL BE PROVIDED DURING CONSTRUCTION BY A THIRD PARTY AGENCY EMPLOYED BY THE OWNER OR THE OWNER'S AUTHORIZED AGENT (OTHER THAN THE CONTRACTOR) AS REQUIRED PER CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE 2018.

2. SPECIAL INSPECTIONS AND TESTING SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS.
   a. STEEL CONSTRUCTION
      i. SPECIAL INSPECTIONS AND NONDESTRUCTIVE TESTING FOR STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE CHART "REQUIRED INSPECTION TASKS OF STRUCTURAL STEEL" ON THIS SHEET.
      ii. SPECIAL INSPECTIONS OF OPEN-WEB STEEL JOISTS SHALL BE IN ACCORDANCE WITH THE CHART "REQUIRED SPECIAL INSPECTIONS OF OPEN-WEB STEEL JOISTS AND JOIST GIRDERS" ON THIS SHEET.
   b. CONCRETE CONSTRUCTION
      i. SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE CHART "REQUIRED SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION" ON THIS SHEET.
      ii. SPECIAL INSPECTIONS OF WELDING AND QUALIFICATIONS OF SPECIAL INSPECTORS FOR REINFORCING BARS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF AWS D1.4 FOR SPECIAL INSPECTION AND OF AWS D1.4 FOR SPECIAL INSPECTOR QUALIFICATIONS.
   c. SOILS
      i. SPECIAL INSPECTIONS AND TESTS OF EXISTING SITE SOIL CONDITIONS, FILL PLACEMENT AND LOAD-BEARING REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE CHART "REQUIRED SPECIAL INSPECTIONS AND TESTS OF SOILS" ON THIS SHEET.

REQUIRED SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION

TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	REFERENCED STANDARD	IBC REFERENCE
1. Inspect reinforcement and verify placement	--	X	ACI 318 Ch. 20, 25.2, 25.3, 26.6.1-26.63	1908.4
2. Reinforcing bar welding:				
a. Verify weldability of reinforcing bars other than ASTM A706	--	X	AWS D1.4	--
b. Inspect single-pass fillet welds, maximum 5/16"; and	--	X	ACI 318: 26.6.4	
c. Inspect all other welds	X	--		
3. Inspect anchors cast in concrete	--	X	ACI 318: 17.8.2	--
4. Inspect anchors post-installed in hardened concrete members.				
a. Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads.	X	--	ACI 318: 17.8.2.4	--
b. Mechanical anchors and adhesive anchors no defined in 4.a.	--	X	ACI 318: 17.8.2	
5. Verify use of required design mix.	--	X	ACI 318: Ch. 19, 26.4.3, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3
6. Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	X	--	ASTM C172, ASTM C31, ACI 318: 26.4, 26.12	1908.10
7. Inspect concrete placement for proper application techniques.	X	--	ACI 318: 26.5	1908.6, 1908.7, 1908.8
8. Verify maintenance of specified curing temperature and techniques	--	X	ACI 318: 26.5.3-26.5.5	1908.9

REQUIRED SPECIAL INSPECTIONS OF OPEN-WEB STEEL JOISTS

TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	REFERENCED STANDARD
1. Installation of open-web steel joists.			
a. End connections -- welding or bolted.	--	X	SJI specifications listed in Section 2207.1
b. Bridging -- horizontal or diagonal.			
1. Standard bridging.	--	X	SJI specifications listed in Section 2207.1
2. Bridging that differs from the SJI specifications listed in Section 2207.1.	--	X	

ROOF LOAD SCHEDULE

	EXISTING	NEW PATIO
DESIGN LIVE LOAD	20PSF+DRIFT	20PSF+DRIFT
ROOFING	2PSF (ADHERED)	2PSF (STANDING SEAM)
INSULATION	2PSF	-
DECK/SHEATHING	2PSF	4.5PSF
STRUCTURE	SELF WT.	SELF WT.
MECHANICAL	3PSF	-
CEILING	3PSF	3PSF
MISCELLANEOUS	3PSF	3PSF
TOTAL LOAD	35PSF+DRIFT	32.5PSF+DRIFT

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BRIAN DEKKER
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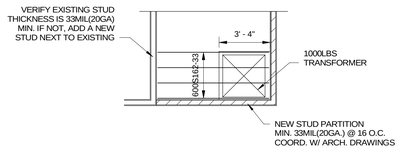
DESCRIPTION:
GENERAL NOTES AND SPECIAL INSPECTIONS

SHEET NO:
S1.0

JOB NO: 25-9258

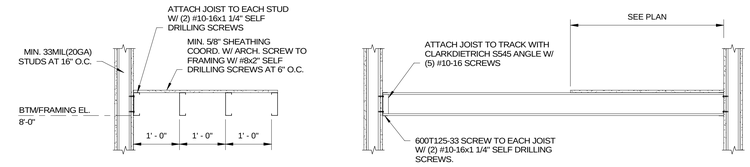
DATE:
04/25/2025



TRANSFORMER PLATFORM PLAN

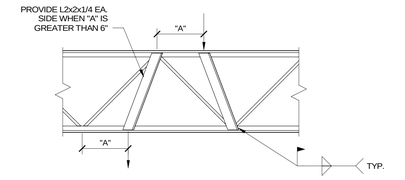
SCALE: 1/4" = 1'-0"

COORDINATE LOCATION WITH ARCHITECTURAL DRAWINGS

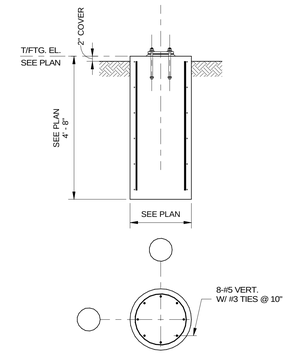


TRANSFORMER PLATFORM DETAILS

SCALE: 3/4" = 1'-0"

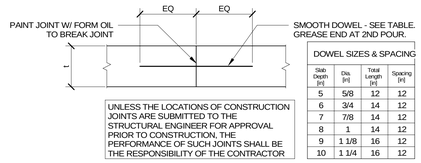


JOIST REINFORCING AT CONCENTRATED LOAD



PATIO CANOPY FOOTING DETAIL

SCALE: 1/2" = 1'-0"

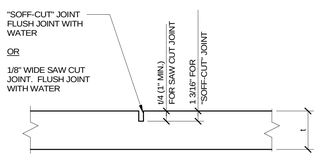


DOWEL SIZES & SPACING

Slab Depth [in]	Dia. [in]	Total Length [in]	Spacing [in]
5	5/8	12	12
6	3/4	14	12
7	7/8	14	12
8	1	14	12
9	1 1/8	16	12
10	1 1/4	16	12

SLABS ON GRADE

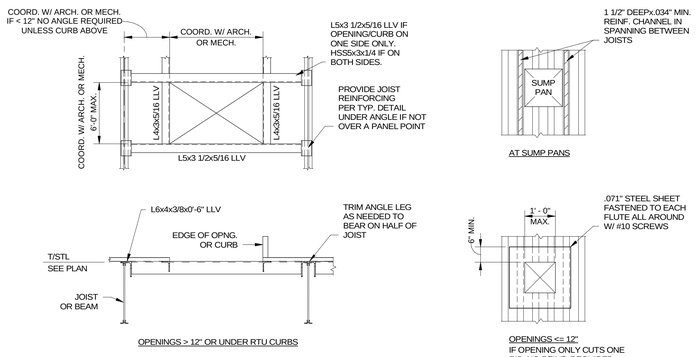
TYPICAL CONSTRUCTION JOINT DETAILS



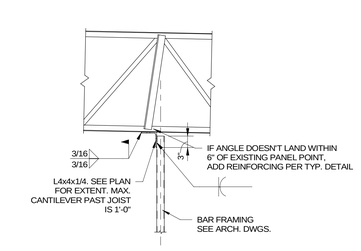
FOR LOCATION OF JOINTS SEE FOUNDATION PLAN	
NOTE: FOR SAW CUT JOINT JOINTS TO BE CUT WITHIN 3 TO 12 HOURS OF START OF POUR	NOTE: FOR "SOFF-CUT" JOINT SAWING SHALL BE COMPLETED NO LATER THAN 2 HOURS AFTER FINAL FINISH AT EACH CONTROL JOINT LOCATION

SLAB CONTROL JOINT

TYPICAL SLAB ON GRADE DETAILS



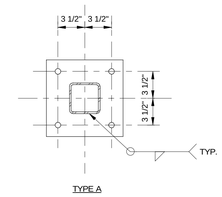
TYPICAL ROOF OPENING OR RTU CURB SUPPORT DETAILS



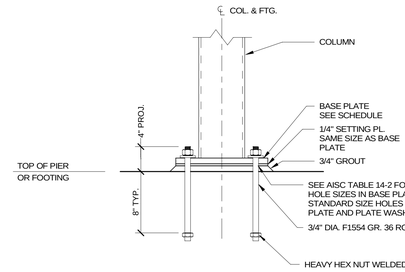
BAR DISPLAY SUPPORT DETAIL

SCALE: 3/4" = 1'-0"

COLUMN SCHEDULE			
GRID	SIZE	BASE PLATE SIZE	BASE PLATE TYPE
D3.7-DM	HSS4X4X1/4	3/4"x10"x0'-10"	A
D3.9-DM	HSS4X4X1/4	3/4"x10"x0'-10"	A
D4.2-DM	HSS4X4X1/4	3/4"x10"x0'-10"	A
D4.5-DM	HSS4X4X1/4	3/4"x10"x0'-10"	A



TYPE A



TYPICAL BASE PLATE DETAIL

SCALE: 1 1/2" = 1'-0"

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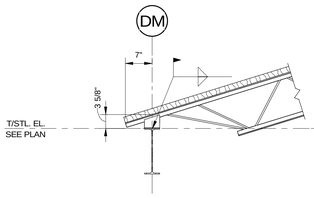
DESCRIPTION:
TYPICAL DETAILS

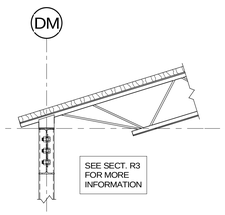
SHEET NO:
S1.1

JOB NO: 25-9258

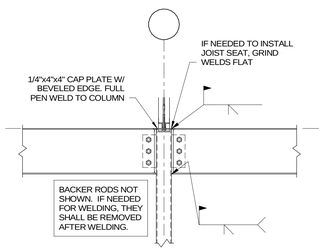
DATE:
04/25/2025



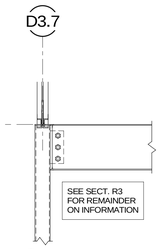
R1 SECTION
SCALE: 3/4" = 1'-0"



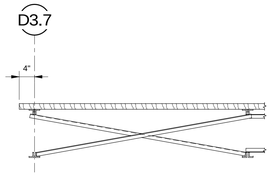
R2 SECTION
SCALE: 3/4" = 1'-0"



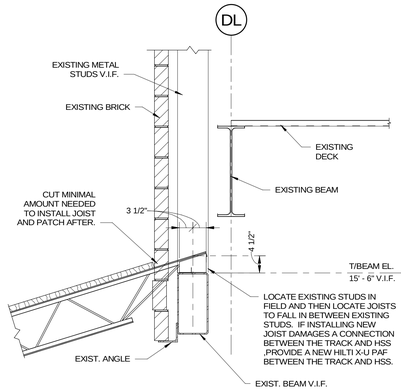
R3 SECTION
SCALE: 3/4" = 1'-0"



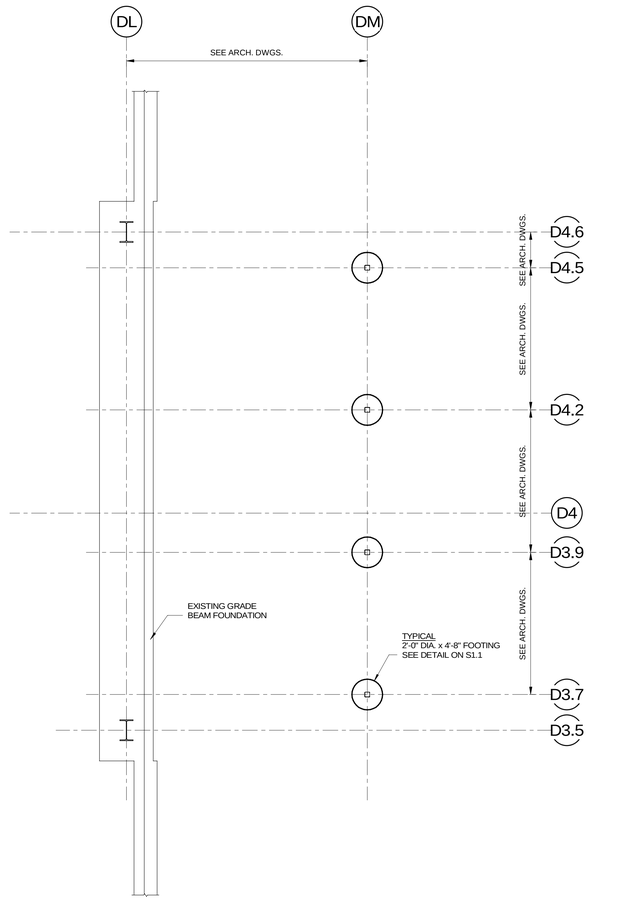
R4 SECTION
SCALE: 3/4" = 1'-0"



R5 SECTION
SCALE: 3/4" = 1'-0"



R6 SECTION
SCALE: 3/4" = 1'-0"

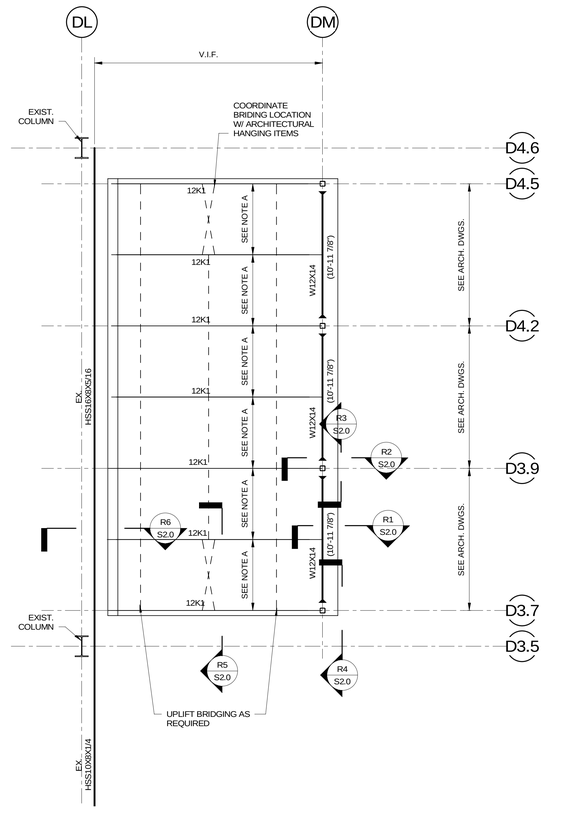


PATIO FOUNDATION PLAN

SCALE: 1/4" = 1'-0"

WHERE NECESSARY:
PROVIDE NORMAL WEIGHT CONCRETE SLAB TO MATCH EXISTING THICKNESS ON 6" WELL GRADED GRANULAR FILL.
REINFORCE CONCRETE WITH 6x6-W1.4xW1.4 W.W.F. LOCATED IN MIDDEPTH OF SLAB.
SEE ARCHITECTURAL DRAWINGS FOR EXTENT OF NEW SLAB WORK OR PROVIDE AS NECESSARY WHEN CUTTING FOR NEW UTILITIES.
WHERE NEW SLABS MEET EXISTING SLABS, PROVIDE 1/2"x12" SMOOTH DOWELS @ 12" O.C. DRILLED AND
EPOXIED 6" INTO EXISTING SLAB THEN GREASE END IN NEW POUR.

TOP OF FOOTING ELEVATION -0'-3 1/2" RELATIVE TO EXISTING TOP OF BUILDING SLAB.



PATIO ROOF FRAMING PLAN

SCALE: 1/4" = 1'-0"

DECKING TO BE 2" TONGUE AND GROOVE CEDAR DECKING WITH A MINIMUM Fb OF 1,200PSI , MINIMUM E OF 1,000,000 PSI AND MAXIMUM MOISTURE CONTENT OF 15%.
DECKING LAYOUT(SIMPLE OR CONTROLLED RANDOM) TO BE COORDINATE WITH ARCHITECT.
IF CONTROLLED RANDOM LAYUP IS USED FOLLOW AITC 112 REQUIREMENTS. ATTACH DECKING TO STEEL JOISTS USING HILTI X-CR P8 FASTENERS WITH A SHANK LENGTH OF 1 7/8". ATTACH AT 12" O.C.

DESIGN JOISTS AND BRIDGING FOR A NET UPLIFT OF 15PSF(ASD).
JOIST TOP CHORDS SHALL HAVE A MINIMUM THICKNESS OF 1/4".

NOTE A:
SPACING OF JOISTS IS TO BE AS CLOSE TO COLUMNS ON D3.9 AND D4.2 AS POSSIBLE AND EQUAL SPACING BETWEEN COLUMNS. HOWEVER, THE LOCATIONS MUST BE DETERMINED BASED ON LOCATION OF EXISTING STUDS ON HSS(SEE SECTION R6). IF LOCATIONS OF JOISTS ON D3.7 AND D4.5 WOULD HIT METAL STUDS THEN A HEADER STUD MUST BE INSTALLED BETWEEN ADJACENT STUDS TO SUPPORT THE CUT STUD ABOVE THE NEW JOIST SEAT.

EXISTING INFORMATION WAS OBTAINED FROM DRAWINGS BY THE PRESTON PARTNERSHIP, LLC "ISSUED FOR PERMIT COMMENTS" DATED 11/05/2008.

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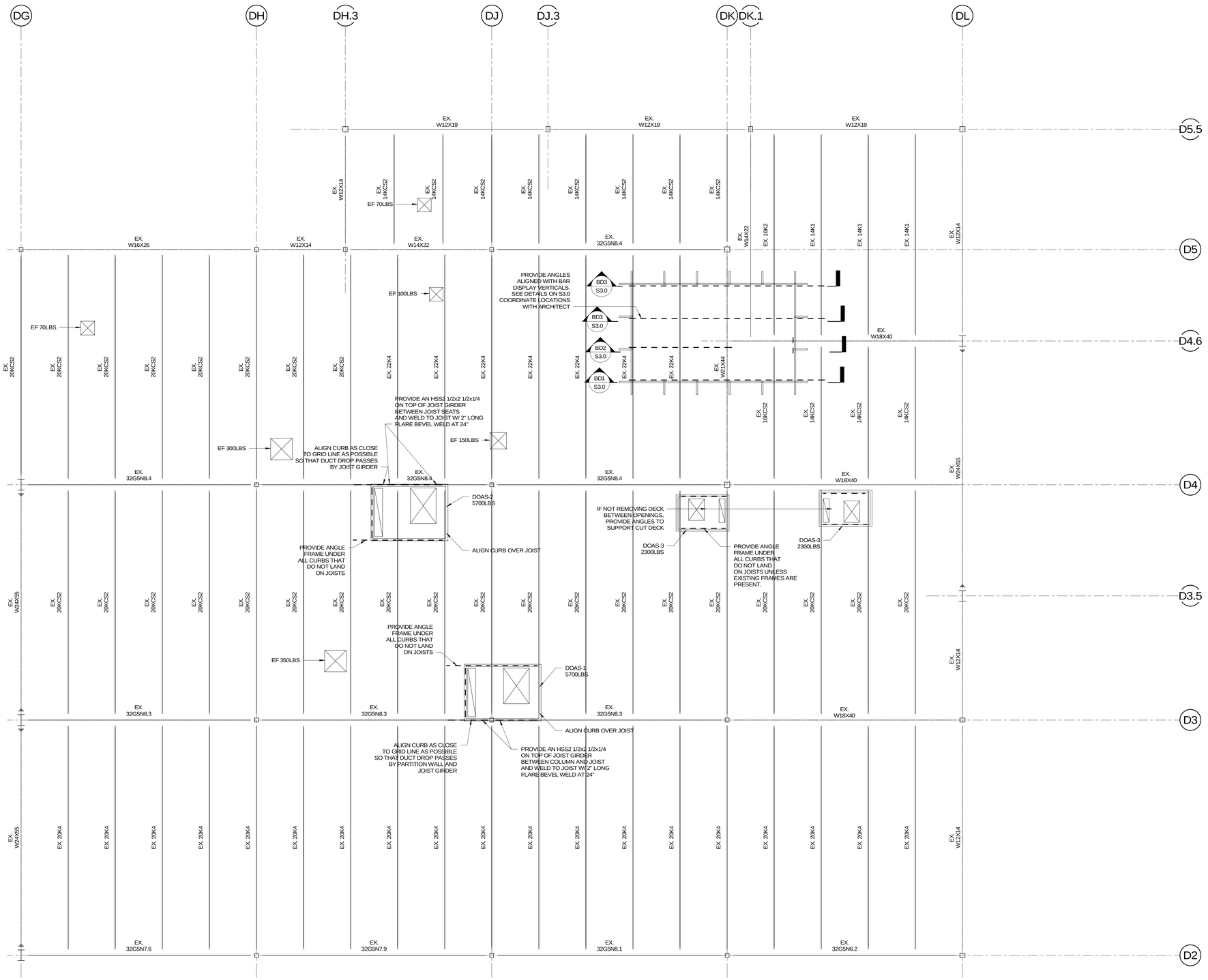
DESCRIPTION:
PATIO FOUNDATION/ROOF FRAMING PLAN AND SECTIONS

SHEET NO:
S2.0

JOB NO: 25-9258

DATE:
04/25/2025



PARTIAL EXISTING ROOF FRAMING PLAN

SCALE: 3/16" = 1'-0"

WHERE NECESSARY FOR NEW OPENINGS IN EXISTING ROOF DECK OR FOR EQUIPMENT WEIGHING MORE THAN 200LBS THAT IS ON NEW CURBS PROVIDE FRAMES PER THE DETAILS ON S1.1. IF INFILL OF EXISTING OPENINGS IS NECESSARY, PROVIDE METAL DECK TO MATCH EXISTING AND OVERLAP EXISTING BY 6" AND SCREW TO EACH FLUTE WITH #10 TEK SCREW.

EXISTING INFORMATION WAS OBTAINED FROM DRAWINGS BY THE PRESTON PARTNERSHIP, LLC "ISSUED FOR PERMIT COMMENTS" DATED 11/05/2008.

ISSUE FOR PERMIT

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION AND NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR CONFLICTS.

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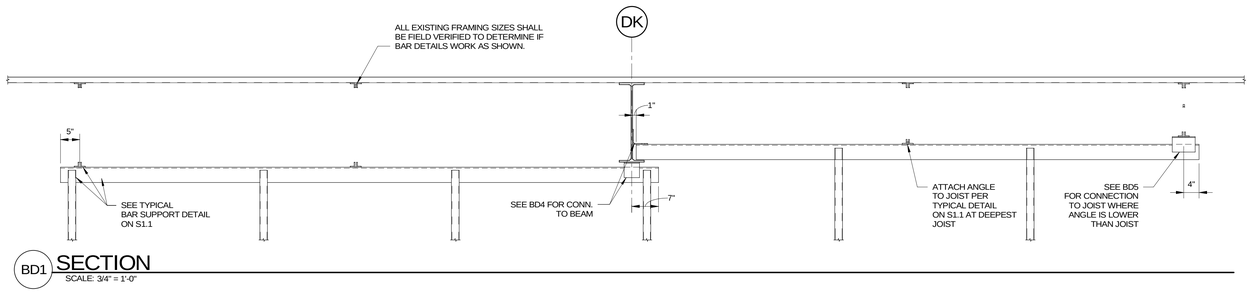
DESCRIPTION:
ROOF FRAMING PLAN

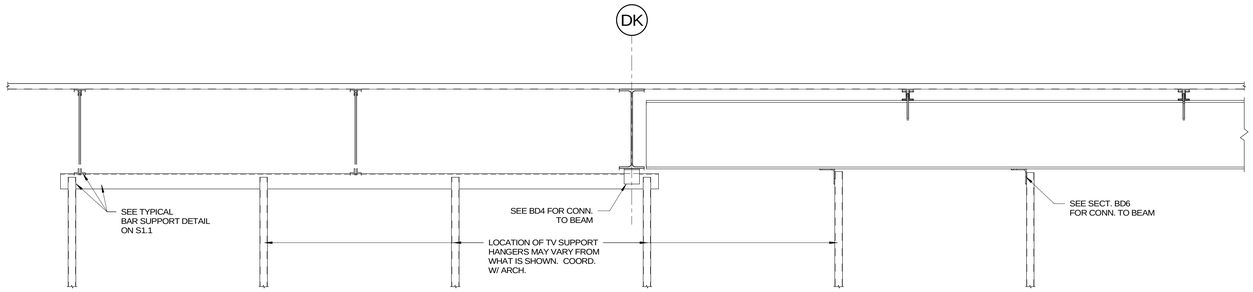
SHEET NO:
S2.1

JOB NO: 25-9258

DATE:
04/25/2025



BD1 SECTION
SCALE: 3/4" = 1'-0"



BD2 SECTION
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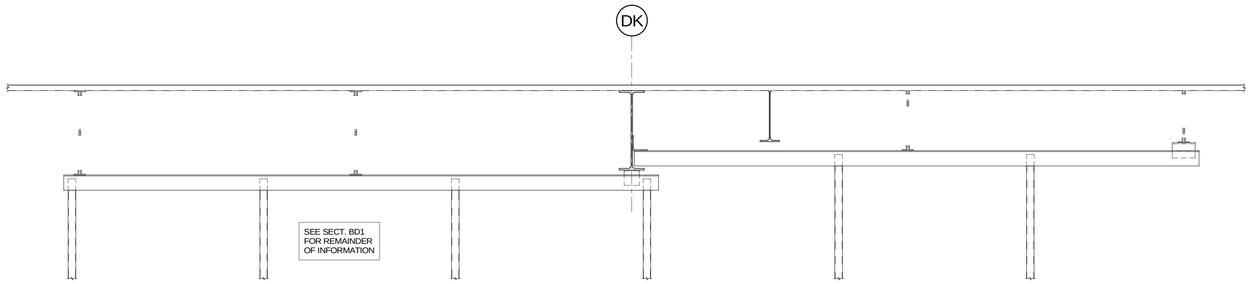

BD3 SECTION
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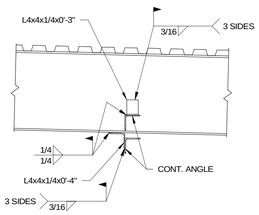

BD4 SECTION
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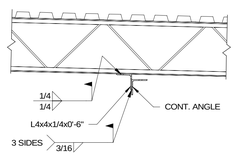

BD5 SECTION
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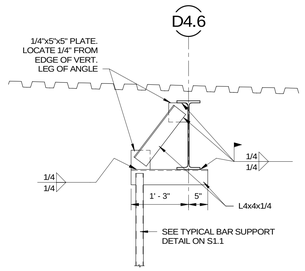

BD6 SECTION
SCALE: 3/4" = 1'-0"

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DESCRIPTION:
BAR DISPLAY DETAILS

SHEET NO:
S3.0

JOB NO: 25-9258

DATE:
04/25/2025

GENERAL NOTES:

1. COORDINATE ALL WORK WITH THE GENERAL CONTRACTOR TO LEAST INTERFERE WITH THE OWNER'S USE OF THE FACILITY. GENERAL CONTRACTOR MAY REQUIRE WORK INTERRUPTIONS DURING THE DAY AND MAY REQUIRE CERTAIN WORK TO BE PERFORMED ON PREMIUM TIME AT NIGHT OR ON WEEKENDS.

   WHERE CORE DRILLING AND CUTTING OF FLOORS OR WALLS IS REQUIRED, CONTRACTOR SHALL USE XRAY EQUIPMENT, METAL DETECTORS OR OTHER APPROVED DEVICES TO DETERMINE AND AVOID INTERFERENCE WITH EXISTING CONCEALED FEEDERS AND PIPES.

   USE TEMPORARY CABLES AND ELECTRICAL APPARATUS AS REQUIRED.

2. UNLESS NOTED OTHERWISE, MOUNTING HEIGHTS OF ALL ELECTRICAL EQUIPMENT SHALL BE AS SHOWN ON THE ARCHITECTURAL DRAWINGS.

3. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL ONLY. FOR EXACT LOCATION OF ALL LIGHTING FIXTURES, RECEPTACLES, ETC., REFER TO ARCHITECTURAL DRAWINGS OR QUESTION ARCHITECT.

4. REFER TO ARCHITECTURAL DRAWINGS FOR ALL FIRE RATED AND SMOKE RATED WALLS. SEAL ALL CONDUIT PENETRATIONS THROUGH SUCH WALLS IN ACCORDANCE WITH SPECIFICATIONS.

5. CONTRACTOR SHALL REFER TO THE MECHANICAL DRAWINGS FOR THE EXACT SIZE, NUMBER AND LOCATION OF ALL MECHANICAL EQUIPMENT. PROVIDE ELECTRICAL CONNECTIONS AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.

6. CIRCUITS ARE SIZED ASSUMING NO MORE THAN THREE CURRENT CARRYING CONDUCTORS IN A SINGLE CONDUIT. FOR CONDUITS CONTAINING MORE THAN THREE, PROVIDE APPROPRIATE DETRACTING OF CONDUCTORS PER PRESENT APPLICABLE CODES.

7. ALL OUTLETS MOUNTED ABOVE COUNTER SHALL BE INSTALLED HORIZONTALLY AND NOT VERTICALLY. IN AREAS WHERE COUNTERS ARE PROVIDED, COORDINATE EXACT LOCATION OF OUTLETS AND WIRING WITH CASEWORK

8. SMOKE DETECTORS SHALL NOT BE LOCATED WITHIN 3' OF AIR SUPPLY DIFFUSERS.

9. CONTRACTOR SHALL VISIT THE SITE AND CAREFULLY EXAMINE THE BUILDING ELECTRICAL SYSTEMS SO AS TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND DIFFICULTIES THAT WILL ATTEND THE EXECUTION OF THE WORK, BEFORE SUBMITTING PROPOSALS. SUBMISSION OF A PROPOSAL SHALL BE EVIDENCE THAT SUCH EXAMINATION HAS BEEN MADE AND LATER CLAIMS FOR LABOR, EQUIPMENT OR MATERIALS BECAUSE OF DIFFICULTIES ENCOUNTERED, WILL NOT BE RECOGNIZED.

10. EXISTING SYSTEMS SUCH AS FIRE ALARM, COMMUNICATION SYSTEMS, SECURITY SYSTEM, ETC. ARE TO BE EXTENDED AND INTERFACED WITH NEW WORK IF REQUIRED. ARRANGE FOR THE ON-SITE INSPECTION AND GUIDANCE OF THE MANUFACTURER'S REPRESENTATIVE PRIOR TO THE START OF THE WORK. PROVIDE ALL MATERIALS, DEVICES AND COMPONENTS AS INDICATED SO THAT THE EXISTING AND NEW SYSTEMS SHALL BE PROPERLY INTERFACED AND FUNCTION AS ONE SYSTEM.

11. ALL ELECTRICAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS AND ALL OTHER DRAWINGS RELATED TO THE PERFORMANCE OF THE WORK.

12. BECOME THOROUGHLY FAMILIAR WITH THE PROJECT SPECIFICATIONS BEFORE COMMENCING ANY WORK. THE PROJECT SPECIFICATIONS AND DRAWINGS FORM THE BASIS OF THIS CONTRACT REQUIREMENTS AND INCLUDE THE TYPE AND GRADE OF MATERIALS TO BE INSTALLED, EQUIPMENT TO BE FURNISHED, THE MANNER BY WHICH TO BE INSTALLED AND WHERE TO BE LOCATED. IN THE EVENT OF A CONFLICT BETWEEN THE PROJECT SPECIFICATIONS AND DRAWINGS, SPECIFICATIONS GOVERN UNLESS THE ARCHITECT/ENGINEER DIRECTS OTHERWISE.

13. CHECK CAREFULLY ALL CONSTRUCTION DRAWINGS AND SPECIFICATIONS THAT ARE PART OF THIS PROJECT TO INSURE THAT NO FIXTURE, OUTLET, ALARM STATION OR CONTROL AND POWER WIRING IS OMITTED. CONTRACTOR SHALL CONSULT ALL TRADES FURNISHING EQUIPMENT AND OBTAIN FROM THEM ALL DATA. IN SOME CASES EQUIPMENT, FIXTURES AND DEVICES ARE SHOWN ONLY. ASCERTAIN AND PROVIDE THE WIRING AND CONTROL STATIONS REQUIRED FOR THE PROPER FUNCTION OF BUILDING EQUIPMENT. NO EXTRA CHARGES SHALL BE ACCEPTED BY OWNER, AFTER BIDDING FOR SUCH EQUIPMENT AND LABOR.

14. EQUIPMENT LABELS AND INSTRUCTIONS REGARDING THE APPLICATION AND INSTALLATION OF THE LISTED EQUIPMENT SHALL BE FOLLOWED TO INSURE THAT THE EQUIPMENT IS BEING INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S LISTING INSTRUCTIONS. THE TEMPERATURE RATING OF THE EQUIPMENT TERMINATION MUST BE CORRELATED WITH THE CONDUCTOR AMPACITY TO PREVENT OVERHEATING AND PREMATURE FAILURE.

15. COORDINATE WORK WITH FIELD CONDITIONS AND OTHER TRADES AND INSTALL CONDUIT AND BOXES TO CLEAR EMBEDDED DUCTS, OPENINGS AND OTHER STRUCTURAL FEATURES.

16. ALL WORK IS TO BE DONE IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF ALL APPLICABLE CODES AND REGULATIONS.

17. ALL LIGHTING FIXTURES ARE TO BE LOCATED AS REQUIRED ON THE JOB TO CLEAR DUCTS, PIPING, EQUIPMENT, AND/OR MECHANICAL UNITS.

18. ALL OF THE BOXES, CONDUITS, WIRES, CONTROL STATIONS, SLEEVES, INSERTS, FRAMES AND ANCHORS ARE NOT SHOWN ON THE DRAWINGS. ONLY MAJOR ITEMS ARE SHOWN. COORDINATE ALL WORK AS REQUIRED FOR PROPER DEMOLITION AND INSTALLATION.

19. NO WIRING SHALL BE DONE PRIOR TO THE CONTRACTOR'S REVIEW OF THE PROJECT EQUIPMENT SHOP DRAWINGS. COORDINATE FIELD CONDITIONS WITH THE DESIGN DOCUMENTS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ARCHITECT/ENGINEER'S ATTENTION FOR FINAL RESOLUTION. WORK THAT HAS TO BE REPLACED DUE TO LACK OF PROPER SHOP DRAWINGS COORDINATION SHALL BE DONE AT CONTRACTOR'S EXPENSE.

20. NEW PANELS SHALL NOT BE INSTALLED BELOW WATER PIPES OR VENTILATION DUCTS. IF EXISTING PANELS ARE LOCATED BELOW PIPES OR DUCTS, PROVIDE DRIP PANS ABOVE EXISTING PANELS.

21. FURNISH AND INSTALL EQUIPMENT DISCONNECT SWITCHES IN STRICT COMPLIANCE WITH CODE REQUIREMENTS. (NOT ALL LOCAL DISCONNECT SWITCHES AREA SHOWN).

22. ALL OUTLETS BOXES SHALL BE PROVIDED WITH PROPER COVER PLATES.

23. SEAL ALL WALL AND FLOOR CONDUIT PENETRATIONS.

24. ELECTRICAL CONTRACTOR SHALL PROVIDE A COMPLETE SHORT CIRCUIT COORDINATION STUDY, ARC FLASH LABELING AND SUBMIT TO ENGINEER FOR APPROVAL. INCLUDE ALL COSTS DOCUMENTATION OF DISTRIBUTION SYSTEM AND PROVIDE A COMPLETE STUDY. ALL EQUIPMENT PROVIDED SHALL BE IN ACCORDANCE WITH THE STUDY AND MATCH RATINGS AND SETTINGS AS RECOMMENDED IN STUDY. INCLUDE SHORT CIRCUIT CURRENTS TO EACH THREE PHASE MOTOR. ALL AVAILABLE SHORT CIRCUIT SHALL BE LESS THAN 5,000A AT EACH UNIT. STUDY SHALL BE PREPARED BY A STATE OF ILLINOIS LICENSED ELECTRICAL ENGINEER AND BEAR THE SEAL. SUBMIT PRELIMINARY STUDY WITH EQUIPMENT SHOP DRAWINGS AND UPDATED FINAL STUDY WITH ACTUAL FEEDER LENGTHS INSTALLED AS PART OF CLOSE OUT PROJECT.

DRAWING SCHEDULE

NUMBER	TITLE
E0.1	SYMBOL LIST ONE LINE DIAGRAM, AND NOTES
E0.2	PANEL SCHEDULE
E0.3	LIGHTING FIXTURE SCHEDULE
E0.4	KITCHEN EQUIPMENT SCHEDULE
E0.5	ROOF PLAN AND MECH EQUIPMENT SCHEDULES
E0.6	ELECTRICAL DETAILS
E1.1	FLOOR PLAN - LIGHTING
E2.1	FLOOR PLAN - POWER & SPECIAL SYSTEMS
E3.0	ELECTRICAL SPECIFICATIONS
E3.1	ELECTRICAL SPECIFICATIONS CONT.

SECTION C408.3 LIGHTING SYSTEMS FUNCTIONAL TESTING

– THIS PROJECT WILL COMPLY WITH THIS SECTION CONTRACTOR SHALL HIRE AN INDENDENT COMMISSIONING AGENT TO PERFORM THE FOLLOWING TESTING.

LIGHTING CONTROL DEVICES AND CONTROL SYSTEM SHALL BE TESTED TO ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED, AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS.

A COMMISSIONING AGENT SHALL CONFIRM THE OCCUPANT SENSORS, TIME SWITCHES, AND PROGRAMMABLE SCHEDULE CONTROLS ARE INSTALLED AND FUNCTION AS SPECIFIED ON CONSTRUCTION DRAWINGS ARE IN COMPLIANCE WITH IECC C405.

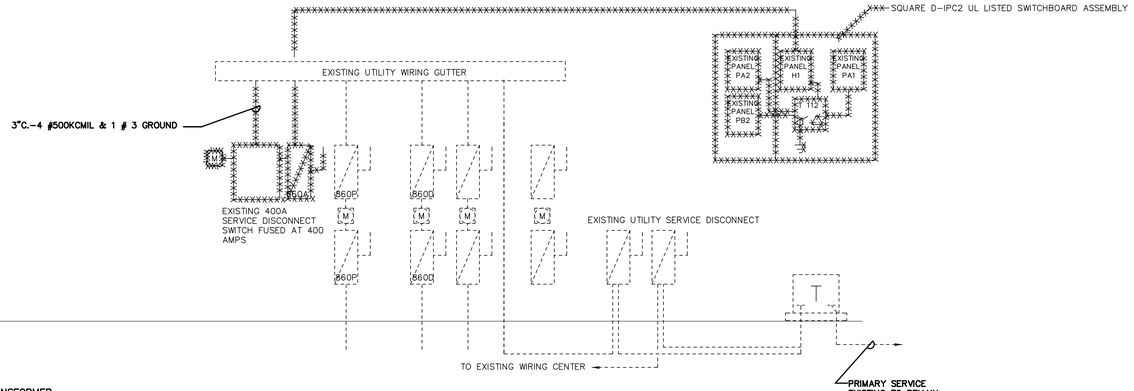
COMMISSIONING AGENT SHALL SUBMIT DOCUMENTS TO THE OWNER WITHIN 90 DAYS FROM THE DATE OF RECEIPT OF CERTIFICATE OF OCCUPANCY CERTIFYING THAT THE INSTALLED LIGHTING CONTROLS MEET DOCUMENTED PERFORMANCE CRITERIA OF SECTION IECC C405.

LEGEND:

- ——— DENOTES NEW WORK
- - - - - - - - - - - DENOTES EXISTING TO REMAIN
- -x-x-x-x-x-x-x-x-x- DENOTES DEMOLITION WORK

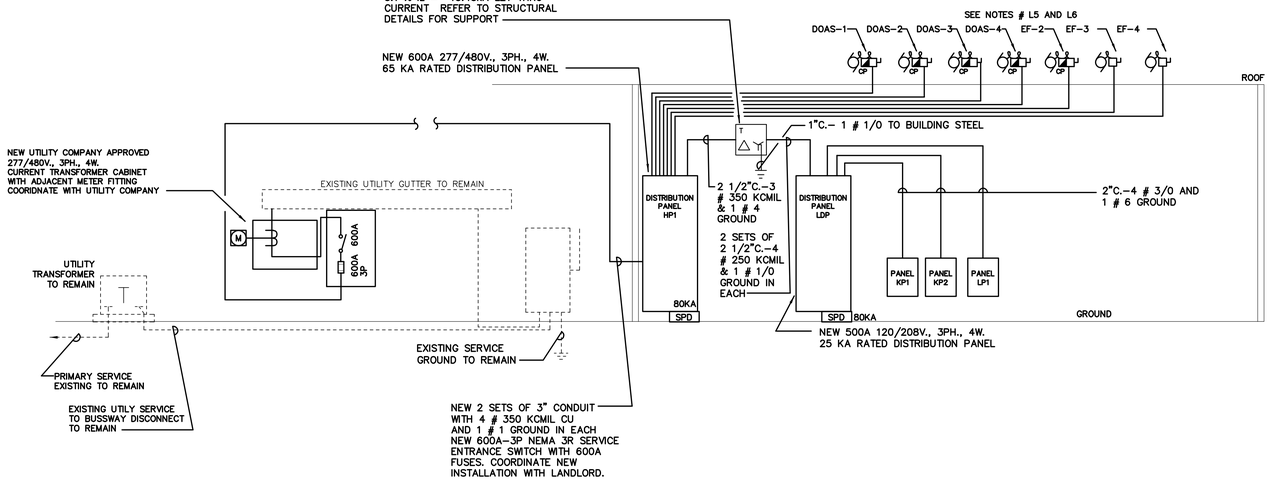
SYMBOL LIST

SYMBOL	DESCRIPTION
S	SINGLE POLE SWITCH
S 3W	THREE WAY SWITCH
OS	MOTION SENSOR SWITCH – LUTRON LOS-SIR-HD OR APPROVED EQUAL
OS	CEILING MOUNTED MOTION SENSOR SWITCH LINE VOLTAGE – LUTRON OR APPROVED EQUAL
LMB	LIGHTING CONTROL STATION OVERRIDE
S T	THERMAL OVERLOAD SWITCH – "P" DENOTES PILOT LIGHT
	DUPLEX CONVENIENCE OUTLET (+ 18" ABOVE FINISHED FLOOR) C DENOTES CONTROLLED OUTLET
USB	DUPLEX CONVENIENCE OUTLET WITH 2 INTEGRAL USB PORTS
	DOUBLE DUPLEX OUTLET (+ 18" ABOVE FINISHED FLOOR) C DENOTES CONTROLLED OUTLET
	DUPLEX CONVENIENCE OUTLET MOUNTED 6" ABOVE COUNTER TOP
	FLUSH FLOOR MOUNTED OUTLET BOX WITH DUPLEX RECEPTACLE
	RECEPTACLE – RATING & VOLTAGE AS INDICATED ON DRAWINGS
TC	RECESSED TV OUTLET FOR SIGNAGE PLUG, COORDINATE EXACT MODEL WITH OWNER PRIOR TO INSTALL
C	CEILING MOUNTED RECEPTACLE – C DENOTES CONTROLLED OUTLET
	COMBINATION VOICE/DATA OUTLET
	DOUBLE – COMBINATION VOICE/DATA OUTLET
TP W	TELEPHONE OUTLET (+ 18" ABOVE FINISHED FLOOR) "W" DENOTES WALL MOUNTED (+54" ABOVE FINISHED FLOOR) "P" DENOTES PUBLIC PAY PHONE (+54" ABOVE FINISHED FLOOR)
J, J	JUNCTION BOX – WALL OR CEILING MOUNTED
TV	RECESSED JUNCTION BOX WITH 3/4" CONDUIT STUB INTO CEILING SPACE AND DUPLEX RECEPTACLE FOR TV. COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.
	NON – FUSED DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
	MAGNETIC MOTOR STARTER
	COMBINATION MAGNETIC MOTOR STARTER AND DISCONNECT SWITCH – DEVICE AS NOTED
	MOTOR CONNECTION – H.P. AS NOTED ON DRAWINGS
	CONDUIT RUN CONCEALED IN CEILING OR WALLS
	CONDUIT RUN IN FLOOR SLAB
	CONDUIT RUN EXPOSED
	X DENOTES GROUND WIRE
	JUNCTION BOX WITH FINAL EQUIPMENT CONNECTION
	FINAL EQUIPMENT CONNECTION
	CONDUIT STUBBED UP
	CONDUIT STUBBED DOWN
	CIRCUIT BREAKER
	SWITCH & FUSE
	PANELBOARD
	DISTRIBUTION PANELBOARD
CP	CONTROL PACKAGE – ALL CONTROLLING DEVICES, STARTERS, ASSOCIATED CONTROL STATIONS AND ASSOCIATED CONTROL WIRING SHALL BE FURNISHED, INSTALLED AND WIRED BY EQUIPMENT SUPPLIER. POWER WIRING AND DISCONNECTING DEVICES ONLY SHALL BE UNDER THIS DIVISION OF THE WORK UNLESS NOTED OTHERWISE.
A.	DENOTES AMPERES
A.F.F.	DENOTES ABOVE FINISHED FLOOR
B.P.S.	DENOTES BOLTED PRESSURE SWITCH
C.	DENOTES CONDUIT
GFCI	DENOTES GROUND FAULT INTERRUPTER
GFI	DENOTES GROUND FAULT INTERRUPTER
GRD.	DENOTES GROUND
M.L.O.	DENOTES MAIN LUGS ONLY
N.I.C.	DENOTES NOT IN CONTRACT
WP	DENOTES WEATHERPROOF
AV	DENOTES CEILING MOUNTED AUDIO/VISUAL
V	DENOTES CEILING MOUNTED VOLUME
V	DENOTES WALL MOUNTED VISUAL
S	FIRE ALARM PULL STATION MOUNTED AT + 48" A.F.F. TO TOP OF DEVICE
A	FIRE ALARM SPEAKER DEVICE MOUNTED AT + 96" A.F.F. TO CENTER
AV	COMBINATION FIRE ALARM SPEAKER DEVICE/ADA APPROVED VISUAL DEVICE MOUNTED AT + 80" A.F.F. TO CENTER OR 6" BELOW CEILING WHICHEVER IS LOWER
D	HEAT DETECTOR – "FT" DENOTES FIXED TEMPERATURE
SD	SMOKE DETECTOR
DD	DUCT MOUNTED SMOKE DETECTOR
VSS	SPRINKLER VALVE SUPERVISORY (TAMPER) SWITCH
WF	SPRINKLER WATERFLOW INDICATOR
SPD	80 KA RATED SURGE PROTECTION DEVICE – UL 1449 5TH EDITION



ONE LINE DIAGRAM - DEMOLITION

NO SCALE



ONE LINE DIAGRAM

NO SCALE

ONE LINE DIAGRAM NOTES:

L1. ALL WORK SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE. COORDINATE EXACT CODE REQUIREMENTS WITH LOCAL INSPECTOR PRIOR TO ANY INSTALLATION.

L2. ELECTRICAL CONTRACTOR SHALL CONFIRM AVAILABLE FAULT CURRENT FROM UTILITY AND PROVIDE LABELING IN ACCORDANCE WITH NEC 110.24. COORDINATE BRANCH PANELS TO BE SERIES RATED AT 65K AIC WITH PANEL 'HP1'. PROVIDE LABELING PER NEC 110.22(C).

L3. GROUND IN ACCORDANCE WITH N.E.C. AND ALL LOCAL CODES.

L4. ALL WORK AND MATERIALS TO BE BY THE ELECTRICAL CONTRACTOR, UNLESS NOTED OTHERWISE.

L5. REFER TO MECHANICAL DRAWNGS FOR EXACT SIZE, LOCATION, AND ELECTRICAL REQUIREMENTS FOR ALL MOTORS AND MECHANICAL EQUIPMENT. COORDINATE WITH MECHANICAL CONTRACTOR AND PROVIDE ELECTRICAL CONNECTIONS AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.

L6. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL NEW FIRE ALARM MONITORING FOR ALARM AND TROUBLE TO 120V DUCT MOUNTED SMOKE DETECTORS FURNISHED AND INSTALLED WITH ROOF TOP UNIT FOR EACH ROOF TOP UNIT. WIRE DUCT DETECTOR TO SHUTDOWN UNIT UPON ACTIVATION. INSTALL IN ACCORDANCE WITH NFPA 72 AND 90A. PROVIDE A REMOTE TEST/INDICATING STATION (RTI) WITH AUDIBLE/VISUAL ANNUNCIATION DEVICE FOR EACH DETECTOR. MOUNT RTI AS DIRECTED BY OWNER. THIS CONTRACTOR SHALL CONDUCT A SMOKE TEST ON THE HVAC UNITS WITNESSED BY THE BUILDING INSPECTOR TO VERIFY FAN SHUT-DOWN AND SIGNAL ACTIVATION UPON SMOKE DETECTION.

L7. CONTACT UTILITY COMPANY AND COORDINATE NEW 600A 277/480V ELECTRICAL SERVICE.

LEE'S SUMMIT MISSOURI FOLLOWS:

2018 INTERNATIONAL BUILDING CODE
2018 INTERNATIONAL FIRE CODE
2018 INTERNATIONAL MECHANICAL CODE
2017 NATIONAL ELECTRICAL CODE
2018 INTERNATIONAL ENERGY CONSERVATION CODE AND LOCAL AMENDMENTS.

ALL WORK SHALL COMPLY WITH THESE CODES AND LOCAL AMENDMENTS

ISSUE FOR PERMIT

NO	DATE	DESCRIPTION
1	04.25.25	ISSUE FOR PERMIT
	05.14.25	PERMIT REVISION # 1

STATE OF MISSOURI
GREGORY L. DOFFIN
NUMBER PE-2015022305
PROFESSIONAL ENGINEER
SIGNATURE
05/14/2025 DATE
12/31/2025 EXPIRATION DATE
CERTIFICATION:

ANCHO & AGAVE
SUMMIT FAIR SHOPPING CENTER
D-BUILDING
860-A NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086

CARR WARNER ARCHITECTS
ARCHITECTURE
INTERIORS
PLANNING
3711 N. RAVENSWOOD
SUITE #104
CHICAGO, ILLINOIS 60613
p 773-477-9009
f 773-477-6888
www.carrwarner.com

SYMBOL LIST, ONE LINE DIAGRAM, AND NOTES

JOB NO:	SHEET NO:
ANCHO - SUMMIT FAIR	E0.1
DATE: 04.25.2025	

PANEL DATA SCHEDULE   PANEL NAME: HP1

FLUSH ☐
SURFACE ■

LOCATION ELECTRIC ROOM
SERVICE 277/480V.,3PH.,4W.
MAIN BREAKER
MAIN LUGS ONLY 600A
NEUTRAL BUS 600A
GROUND BUS YES
SHORT CIRCUIT RATING 65,000 RMS SYM AMPS

	CONNECTED LOAD	DEMAND LOAD
PHASE A	157.14 KVA	121.07 KVA
PHASE B	154.32 KVA	120.03 KVA
PHASE C	159.42 KVA	124.82 KVA
TOTAL	470.87 KVA	365.93 KVA
RMS SYM AMPS	566.4 AMPS	440.1 AMPS

KEY:	DEMAND LOAD
L: LIGHTING	0.00 KVA
R: RECEPTACLES	0.00 KVA
M: MOTORS	226.58 KVA
P: PANELS	0.00 KVA
T: TRANSFORMERS	101.43 KVA
E: KITCHENO	37.92 KVA
S & X: SPARE & ELECTRIC HEAT	50.40 KVA

NOTES:
* DENOTES LOCK-OUT CLIP: ** DENOTES GFI BREAKER: *** DENOTES VIA TIMECLOCK: **** DENOTES VIA CONTACTOR

CIRCUIT USE	CONNECTED LOAD			CCT. NO.	CIRCUIT BREAKER	CIRCUIT BREAKER	CCT. NO.	CONNECTED LOAD			CIRCUIT USE
	A	B	C					A	B	C	
M: ROOF TOP UNIT DOAS-1	25,750			1	100A-3P	300A-3P	2	45,367			T: TRANSF-T1 (LDP)
M:		25,750		3			4		42,544		T:
M:			25,750	5			6			47,644	T:
M: ROOF TOP UNIT DOAS-2	25,750			7	100A-3P	15A-3P	8	361			M: (95.1) EXHAUST FAN EF-4
M:		25,750		9			10		361		M:
M:			25,750	11			12			361	M:
M: ROOF TOP UNIT DOAS-3	10,667			13	40A-3P	60A-3P	14	13,333			E: BOOSTER HEATER (48)
M:		10,667		15			16		13,333		E:
M:			10,667	17			18			13,333	E:
M: ROOF TOP UNIT DOAS-4	10,667			19	40A-3P	30A-3P	20	6,111			E: (49) WAREWASHER
M:		10,667		21			22		6,111		E:
M:			10,667	23			24			6,111	E:
X: INFRARED HEATER RH-1	6,000			25	30A-1P	30A-1P	26	4,800			X: EWUH-1
X: INFRARED HEATER RH-2		6,000		27	30A-1P	30A-1P	28		4,800		X: EWUH-2
X: INFRARED HEATER RH-3			6,000	29	30A-1P	30A-1P	30			4,800	X: ECUH-1
X: INFRARED HEATER RH-4	6,000			31	30A-1P	20A-1P	32	0			S: SPARE
X: INFRARED HEATER RH-5		6,000		33	30A-1P	30A-1P	34		0		S: SPARE
X: INFRARED HEATER RH-6			6,000	35	30A-1P	SPACE	36			0	X: SPACE
M: (64.1) EXHAUST FAN EF-2	1,278			37	15A-3P	30A-3P	38	0			X: 80 KA SPD
M:		1,278		39			40		0		X: DEVICE MOUNTED BELOW PANEL
M:			1,278	41			42			0	X:
M: (68.1) EXHAUST FAN EF-3	1,056			43	15A-3P	SPACE	44	0			X: SPACE
M:		1,056		45		SPACE	46		0		X: SPACE
M:			1,056	47		SPACE	48			0	X: SPACE
SUB TOTAL	87,167	87,167	87,167					69,972	67,149	72,249	SUB TOTAL

PANEL DATA SCHEDULE   PANEL NAME: KP1

FLUSH ☐
SURFACE ■

LOCATION ELECTRIC ROOM
SERVICE 120/208V.,3PH.,4W.
MAIN BREAKER
MAIN LUGS ONLY 225A
NEUTRAL BUS 225A
GROUND BUS YES
SHORT CIRCUIT RATING 25,000 RMS SYM AMPS

	CONNECTED LOAD	DEMAND LOAD
PHASE A	21.40 KVA	13.91 KVA
PHASE B	19.75 KVA	12.84 KVA
PHASE C	20.82 KVA	14.02 KVA
TOTAL	61.98 KVA	40.77 KVA
RMS SYM AMPS	172.0 AMPS	113.2 AMPS

KEY:	DEMAND LOAD
L: LIGHTING	0.00 KVA
R: RECEPTACLES	1.38 KVA
M: MOTORS	0.00 KVA
P: PANELS	0.00 KVA
T: TRANSFORMERS	0.00 KVA
E: KITCHEN EQUIPMENT	39.39 KVA
S & X: SPARE & SPACE	0.00 KVA

NOTES:
* DENOTES LOCK-OUT CLIP: ** DENOTES GFI BREAKER: *** DENOTES VIA TIMECLOCK: **** DENOTES VIA CONTACTOR

CIRCUIT USE	CONNECTED LOAD			CCT. NO.	CIRCUIT BREAKER	CIRCUIT BREAKER	CCT. NO.	CONNECTED LOAD			CIRCUIT USE
	A	B	C					A	B	C	
E: BEER COOLER LITES/COOLER (1/1A)	960			1	20A-1P	20A-1P **	2	960			E: CARBONATOR (6) LEFT
E: COFFEE MAKER (118)		2,496		3	30A-2P**	20A-1P **	4		960		E: CARBONATOR (6) CENTER
E:			2,496	5		20A-1P **	6			960	E: CARBONATOR (6) RIGHT
E: WALK IN COOLER REM COND (9B)	2,049			7	30A-2P	20A-1P **	8	240			E: GRIDDLE(20)(75)
E:		2,049		9		20A-2P	10		1,352		E: BEER SYSTEM (12)
E: AIR CURTAIN (10) BACK DOOR			780	11	20A-1P		12			1,352	E:
E: CO2 DETECTOR (7A)	1,800			13	20A-1P	20A-1P **	14	180			E: UTILITY OUTLET (18) LEFT
E: COOLER EVAP LIGHTS (9/9A)		840		15	20A-1P	20A-1P **	16		180		E: UTILITY OUTLET (18) CENTER
E: UTILITY (86) POT WASH NE			180	17	20A-1P **	20A-1P **	18			180	E: UTILITY OUTLET (18) RIGHT
E: UTILITY (86) POT WASH SE	180			19	20A-1P **	20A-1P **	20	180			E: UTILITY (21) ICE W WALL N
E: UTILITY OUTLET (91)		180		21	20A-1P **	20A-1P **	22		180		E: UTILITY (21) ICE W WALL S
E: TEA BREWER (119)			2,496	23	30A-2P**	20A-1P **	24			180	E: UTILITY (21) ICE POT WASH S
E:	2,496			25		20A-1P **	26	1,800			E: NITRO(15)
E: PULL DOWN CORD (55) BACK		180		27	20A-1P **	20A-1P **	28		180		E: UTILITY OUTLET (33) W WALL N
E: PULL DOWN CORD (55) FRONT			180	29	20A-1P **	20A-1P **	30			180	E: UTILITY OUTLET (33) W WALL NC
E: HEAT LAMPS (87) TOP	1,560			31	30A-2P	20A-1P **	32	180			E: UTILITY OUTLET (33A) W WALL SC
E:		1,560		33		20A-1P **	34		180		E: UTILITY OUTLET (33A) W WALL S
E: HEAT LAMPS (87) CENTER			1,560	35	30A-2P	20A-1P	36			900	R: ROOF RECEPT
E:	1,560			37		20A-2P	38	1,352			E: BEER SYSTEM COOLER COMP (1B)
E: HEAT LAMPS (87) BOTTOM		1,560		39	30A-2P		40		1,352		E:
E:			1,560	41		20A-1P	42			480	R: PRINTER (80B)
E: UTILITY OUTLETS (89) LEFT	180			43	20A-1P	20A-1P **	44	180			E: BAR UTILITY OUTLET LEFT (161)
E: UTILITY OUTLETS (89) RIGHT		180		45	20A-1P	20A-1P **	46		180		E: BAR UTILITY OUTLET RIGHT (161)
E: ICE MAKER (94)			2,090	47	30A-2P	20A-1P **	48			0	S: SPARE
E:	2,090			49		20A-1P **	50	0			S: SPARE
E: CHIP WARMER (113) RIGHT		1,044		51	20A-1P **	20A-1P **	52		960		E: BAR POS OUTER BAR (130)
E: CHIP WARMER (113) LEFT			1,044	53	20A-1P **	20A-1P **	54			876	E: BAR WORK TOP REF (137)
S: SPARE	0			55	20A-1P **	20A-1P **	56	180			E: BAR UTILITY OUTLET FRONT (161)
E: UTILITY OUTLET (111)		180		57	20A-1P **	20A-1P **	58		936		E: BAR UC REF (138)/ FREZ (148)
E: COFFEE GRINDER (118A)			1,000	59	20A-1P **	20A-1P **	60			1,008	E: BACKBAR COOLERS (157)
E: REF PREP STATION (79)	696			61	20A-1P **	20A-1P **	62	1,920			E: BAR GLASSWASHER (152)
E: UTILITY OUTLETS (116) LEFT		180		63	20A-1P **	20A-1P **	64		1,044		E: BAR CHIP WARMER (149)
E: UTILITY OUTLETS (116) RIGHT			180	65	20A-1P **	20A-1P **	66			180	E: WAITER UTILITY BACK (174)
E: SODA/ICE DISP (120)	480			67	20A-1P **	20A-1P **	68	180			E: WAITER UTILITY FRONT RIGHT (174)
E: REFRIGERATOR (115)		240		69	20A-1P **	20A-1P **	70		1,560		E: BAR FROZEN DRINK MACH(154)
S: SPARE			0	71	20A-1P	20A-1P **	72			960	E: UCR WAITER STATIONS (176)
S: SPARE	0			73	20A-1P	20A-1P	74	0			S: SPARE
S: SPARE		0		75	20A-1P	20A-1P	76		0		S: SPARE
S: SPARE			0	77	20A-1P	20A-1P	78			0	S: SPARE
S: SPARE	0			79	20A-1P	20A-1P	80	0			S: SPARE
S: SPARE		0		81	20A-1P	20A-1P	82		0		S: SPARE
S: SPARE			0	83	20A-1P	20A-1P	84			0	S: SPARE
SUB TOTAL	14,051	10,689	13,566					7,352	9,064	7,256	SUB TOTAL

PANEL DATA SCHEDULE   PANEL NAME: LDP

FLUSH ☐
SURFACE ■

LOCATION MAIN ELECTRIC ROOM
SERVICE 120/208V.,3PH.,4W.
MAIN BREAKER 500A-3P
MAIN LUGS ONLY
NEUTRAL BUS 600A
GROUND BUS YES
SHORT CIRCUIT RATING 25,000 RMS SYM AMPS

	CONNECTED LOAD	DEMAND LOAD
PHASE A	45.37 KVA	32.90 KVA
PHASE B	42.54 KVA	31.87 KVA
PHASE C	47.64 KVA	36.66 KVA
TOTAL	135.56 KVA	101.43 KVA
RMS SYM AMPS	376.3 AMPS	281.5 AMPS

KEY:	DEMAND LOAD
L: LIGHTING	0.00 KVA
R: RECEPTACLES	0.00 KVA
M: MOTORS	0.00 KVA
P: PANELS	101.43 KVA
T: TRANSFORMERS	0.00 KVA
E: EXTRA	0.00 KVA
S & X: SPARE & SPACE	0.00 KVA

NOTES:
* DENOTES LOCK-OUT CLIP: ** DENOTES GFI BREAKER: *** DENOTES VIA TIMECLOCK: **** DENOTES VIA CONTACTOR

CIRCUIT USE	CONNECTED LOAD			CCT. NO.	CIRCUIT BREAKER	CIRCUIT BREAKER	CCT. NO.	CONNECTED LOAD			CIRCUIT USE
	A	B	C					A	B	C	
P: PANEL LP1	6,994			1	200A-3P	30A-3P	2	0			E: 80 KVA SURGE PROTECTIVE
P:		8,027		3			4		0		E: DEVICE MOUNTED BELOW PANEL
P:			9,131	5			6			0	E:
P: PANEL KP1	21,403			7	200A-3P	SPACE	8	0			X: SPACE
P:		19,753		9		SPACE	10		0		X: SPACE
P:			20,822	11		SPACE	12			0	X: SPACE
P: PANEL KP2	16,970			13	200A-3P	SPACE	14	0			X: SPACE
P:		14,764		15		SPACE	16		0		X: SPACE
P:			17,691	17		SPACE	18			0	X: SPACE
SUB TOTAL	45,367	42,544	47,644					0	0	0	SUB TOTAL

PANEL DATA SCHEDULE   PANEL NAME: KP2

FLUSH ☐
SURFACE ■

LOCATION ELECTRIC ROOM
SERVICE 120/208V.,3PH.,4W.
MAIN BREAKER
MAIN LUGS ONLY 225A
NEUTRAL BUS 225A
GROUND BUS YES
SHORT CIRCUIT RATING 25,000 RMS SYM AMPS

	CONNECTED LOAD	DEMAND LOAD
PHASE A	16.97 KVA	11.86 KVA
PHASE B	14.76 KVA	10.71 KVA
PHASE C	17.69 KVA	14.13 KVA
TOTAL	49.43 KVA	36.70 KVA
RMS SYM AMPS	137.2 AMPS	101.9 AMPS

KEY:	DEMAND LOAD
L: LIGHTING	2.45 KVA
R: RECEPTACLES	7.42 KVA
M: MOTORS	2.23 KVA
P: PANELS	0.00 KVA
T: TRANSFORMERS	0.00 KVA
E: KITCHEN EQUIPMENT	24.54 KVA
S & X: SPARE & SPACE	0.06 KVA

NOTES:
* DENOTES LOCK-OUT CLIP: ** DENOTES GFI BREAKER: *** DENOTES VIA TIMECLOCK: **** DENOTES VIA CONTACTOR

CIRCUIT USE	CONNECTED LOAD			CCT. NO.	CIRCUIT BREAKER	CIRCUIT BREAKER	CCT. NO.	CONNECTED LOAD			CIRCUIT USE
	A	B	C					A	B	C	
E: REACH IN FREEZER (36)	1,680			1	20A-1P **	20A-1P **	2	1,920			E: 30 QT MIXER (24)
E: REACH IN COOLER (38)		888		3	20A-1P **	20A-1P **	4		348		E: REFRIGERATED PREP TABLE (27)
R: POS SYSTEMS (110A)			480	5	20A-1P **	20A-1P **	6			1,704	E: COOK AND HOLD CAB (63) ****
E: UTILITY RECEPTACLE (22)	180			7	20A-1P **	20A-1P **	8	180			E: UTILITY RECEPT (56) LEFT SIDE****
E: REFRIG. PREP TABLE (103)		1,560		9	20A-1P **	20A-1P **	10		960		E: CONVECTION OVEN (59) TOP ****
E: REFRIG. PREP TABLE (105)			1,560	11	20A-1P **	20A-1P **	12			960	E: CONVECTION OVEN (59) BOT ****
E: REACH IN FREEZER (126)	576			13	20A-1P **	20A-1P **	14	1,200			E: FRYER FILTER (62) ****
E: CORN TORTILLA PRES (17)		240		15	20A-1P **	20A-1P **	16		408		E: UPRIGHT BROILER (73) ****
E: HOOD LIGHTS/CONTROL (95/95.4)			480	17	20A-1P *	20A-1P **	18			600	E: TILT SKILLET (72) ****
E: REF STAND (77)/GRIDDLE(78)****	420			19	20A-1P **	20A-1P **	20	1,200			E: FRYER FILTER (71) ****
E: FRYER/FIILERS (101) ****		1,200		21	20A-1P **	20A-1P **	22		0		S: SPARE
E: HEAT LAMP (108A,109) ****			1,056	23	20A-1P	20A-1P **	24			1,704	E: COOK AND HOLD CAB (63) ****
E: HOT FOOD TABLE (104)	2,040			25	30A-1P**	20A-1P **	26	1,188			E: REF EQ. STAND (20A)/(76) ****
E: MICROWAVE (88)		504		27	20A-1P **	20A-1P **	28		1,920		E: SMOKER (63A) ****
R: POS REGISTERS (130)			960	29	20A-1P **	20A-1P *	30			480	E: HOOD LIGHTS/CONTROL (68/68.4)
E: REF PREP TABLE (82)	840			31	20A-1P **	30A-2P	32	2,496			E: HOT FOOD TABLE (84)
E: CONDIMENT REF (81)		204		33	20A-1P **		34		2,496		E:
E: UTILITY OUTLET (83A)			180	35	20A-1P **	20A-1P **	36			504	E: MICROWAVE (88) COOK LINE
S: SPARE	0			37	20A-1P **	20A-1P *	38	700			E: HOOD LIGHTS/CONTROL (64/64.4)
R: POS (80A)		480		39	20A-1P **	20A-1P **	40		840		E: REF PREP TABLE (85)
E: COUNTERTOP WARMER (83)			1,800	41	20A-1P	20A-1P	42			0	S: SPARE
S: SPARE	0			43	20A-1P	20A-1P	44	0			S: SPARE
S: SPARE		0		45	20A-1P	20A-1P	46		0		S: SPARE
S: SPARE			60	47	20A-1P	20A-1P **	48			180	R: ELEC ROOM RECEPTACLE
R: EMP RESTROOM RECEPT	360			49	20A-1P	20A-1P	50	0			S: SPARE
M: (50.1) EXHAUST FAN EF-1		756		51	20A-1P	20A-1P	52		0		S: SPARE
L: (50) CONDENSATE HOOD			800	53	20A-1P	20A-1P	54			720	R: OFFICE RECEPT
R: MENS WOMENS/ TOILETS CORR	360			55	20A-1P	20A-1P****	56	200			R: EXT STRING LIGHTS EXS-1
R: SPARE		0		57	20A-1P	20A-1P****	58		0		S: SPARE
R: RETRACTABLE AWNING			800	59	20A-1P****	20A-1P **	60			960	R: POS SYSTEM (110) CHIP STATION
L: PATIO FANS/DINING FANS	90			61	20A-1P****	20A-1P **	62	960			R: POS SYSTEM (110) EXPO
L: EXTERIOR LTG - WALL LTS *		220		63	20A-1P****	20A-1P **	64		960		R: POS SYSTEM (110) BAR S
L: EXTERIOR LTG - CANOPY DN *			648	65	20A-1P****	20A-1P	66			275	M: RCP-1
E: UTILITY RECEPT. SMOKER (63B)****	180			67	20A-1P **	20A-1P	68	200			L: LIGHTING CONTROLS
E: UTILITY RECEPTACLE CAB. (63B)****		180		69	20A-1P **	20A-1P	70		600		M: WH-1
E: UTILITY RECEPTACLE CAB. (63B)****			180	71	20A-1P **	20A-1P	72			600	M: WH-2
S: SPARE	0			73	20A-1P	20A-1P	74	0			S: SPARE
S: SPARE		0		75	20A-1P	20A-1P	76		0		S: SPARE
S: SPARE			0	77	20A-1P	20A-1P	78			0	S: SPARE
S: SPARE	0			79	20A-1P	20A-1P	80	0			S: SPARE
S: SPARE		0		81	20A-1P	20A-1P	82		0		S: SPARE
S: SPARE			0	83	20A-1P	20A-1P	84			0	S: SPARE
SUB TOTAL	6,726	6,232	9,004					10,244	8,532	8,687	SUB TOTAL

PANEL DATA SCHEDULE   PANEL NAME: LP1

FLUSH ☐
SURFACE ■

LOCATION ELECTRIC ROOM
SERVICE 120/208V.,3PH.,4W.
MAIN BREAKER
MAIN LUGS ONLY 225A
NEUTRAL BUS 225A
GROUND BUS YES
SHORT CIRCUIT RATING 25,000 RMS SYM AMPS

	CONNECTED LOAD	DEMAND LOAD
PHASE A	6.69 KVA	6.75 KVA
PHASE B	8.33 KVA	8.70 KVA
PHASE C	9.13 KVA	8.51 KVA
TOTAL	24.15 KVA	23.96 KVA
RMS SYM AMPS	67.0 AMPS	66.5 AMPS

KEY:	DEMAND LOAD
L: LIGHTING	14.81 KVA
R: RECEPTACLES	7.02 KVA
M: MOTORS	2.13 KVA
P: PANELS	0.00 KVA
T: TRANSFORMERS	0.00 KVA
E: KITCHEN EQUIPMENT	0.00 KVA
S & X: SPARE & SPACE	0.00 KVA

NOTES:
* DENOTES LOCK-OUT CLIP: ** DENOTES GFI BREAKER: *** DENOTES VIA TIMECLOCK: **** DENOTES VIA CONTACTOR

CIRCUIT USE	CONNECTED LOAD			CCT. NO.	CIRCUIT BREAKER	CIRCUIT BREAKER	CCT. NO.	CONNECTED LOAD			CIRCUIT USE
	A	B	C					A	B	C	
L: FRONT SIGN LEFT	1,200			1	20A-1P****	20A-1P *	2	1,530			L: KITCHEN - 2 X 4 LIGHTING/EM ****
L: FRONT FACADE OUTDOOR SIGN RIGHT		1,200		3	20A-1P****	20A-1P *	4		621		L: KITCHEN - DOWNLIGHTS/EM ****
R: BAR USB RECEPT WEST			900	5	20A-1P	20A-1P *	6			362	L: TOILET/MECH/STORAGE/EM
R: BAR USB RECEPT EAST	720			7	20A-1P*	20A-1P *	8	398			L: DINING LTG Z1-Z3,Z9,Z11/EM ****
R: VESTIBULE/DINING		900		9	20A-1P*	20A-1P ****	10		155		L: EXPO/HOST - Z6, Z7,Z8
R: SHOW WINDOW - DINING/LOUNGE			1,620	11	20A-1P****	20A-1P ****	12			295	L: BAR DINING Z12, Z13, Z15,Z17,Z18,Z22
R: OUTDOOR RECEPTACLES FRONT	180			13	20A-1P****	20A-1P ****	14	225			L: LOUNGE LIGHITNG ZONE Z10
R: IT RACK		360		15	20A-1P	20A-1P ****	16		345		L: BAR MARQUEE LIGHTS/S1/S2
R: OFFICE RECEPT.			720	17	20A-1P	20A-1P ****	18			1,200	L: DINING WALL LIGHTS WS-4,5,6
R: BAR DECOR - CEILING	720			19	20A-1P****	20A-1P *	20	375			L: DINING EM LTG/INVERTER
M: EF5,EF6****		1,392		21	20A-1P	20A-1P *	22		100		R: FIRE ALARM PANEL
M: EF7,EF8****			734	23	20A-1P	20A-1P	24			540	R: BAR TELEVISIONS EAST
R: EXPO/HOST ABOVE COUNTER	720			25	20A-1P	20A-1P	26	540			R: BAR TELEVISIONS WEST
R: DINING/BAR USB RECEPTACLES		1,080		27	20A-1P	20A-1P ****	28		500		L: DINING WALL LIGHTS WS-7,8,9,10
R: DINING/SERVICE RECEPTACLES			1,080	29	20A-1P	20A-1P *	30			0	S: SPARE
S: SPARE	0			31	20A-1P	20A-1P ****	32	80			L: DINING TRACK Z5
S: SPARE		0		33	20A-1P	20A-1P ****	34		1,680		L: DINING ROOM PENDANTS Z4
S: SPARE			0	35	20A-1P	20A-1P ****	36			1,680	L: DINING ROOM PENDANTS Z5
S: SPARE	0			37	20A-1P	20A-1P	38	0			S: SPARE
S: SPARE		0		39	20A-1P	20A-1P	40		0		S: SPARE
S: SPARE			0	41	20A-1P	20A-1P *	42			0	S: SPARE
SUB TOTAL	3,540	4,932	5,054					3,148	3,401	4,077	SUB TOTAL

All Panel Labels shall include the source of the feed in accordance with 2017 NEC Section NEC 408.4

MISSED BY FIELD PERSONNEL:

a. WHEREVER CIRCUIT CONDUCTORS ARE SPLICED IN A BOX, ANY EQUIPMENT GROUNDING CONDUCTORS ASSOCIATED WITH THESE CIRCUITS MUST BE BONDED ("PIGTAILED") TO THE BOX PER NEC 250.148.

b. ARC-FLASH HAZARD WARNING MARKINGS SHALL BE PROVIDED ON ELECTRICAL EQUIPMENT LIKELY TO REQUIRE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE WHILE ENERGIZED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS IN ACCORDANCE WITH NEC 110.16.

c. ILLUMINATION SHALL BE PROVIDED FOR ALL WORKING SPACES ABOUT ELECTRICAL EQUIPMENT AND THAT THE ILLUMINATION SHALL NOT BE CONTROLLED BY AUTOMATIC MEANS ONLY PER NEC 110.26(D).

c. THE SERVICE DISCONNECT SHALL BE PERMANENTLY MARKED TO IDENTIFY IT AS THE SERVICE DISCONNECT.

d. ACCESS AND WORKING SPACE SHALL BE PROVIDED AND MAINTAINED ABOUT ALL ELECTRICAL EQUIPMENT AND THAT REQUIRED WORKING SPACE SHALL NOT BE USED FOR STORAGE PER NEC 110.26(A),(B),(C).

e. THE PANEL DIRECTORIES SHALL HAVE SUFFICIENT DETAIL TO ALLOW EACH CIRCUIT TO BE DISTINGUISHED FROM ALL OTHERS AND THE PANEL LABEL(S) SHALL INCLUDE THE SOURCE OF FEED PER NEC 408.4.

ELECTRICAL INSPECTOR SHALL FIELD VERIFY THE FOLLOWING:

a. THE GROUNDING SYSTEM PER NEC 250.50.

b. THE EXIT AND EMERGENCY LIGHTING ONCE ALL EQUIPMENT, FURNITURE, ETC. ARE IN PLACE. THIS INCLUDES VERIFICATION THAT THERE IS EMERGENCY LIGHTING PROVIDED AT EXTERIOR OF EGRESS DISCHARGE LOCATIONS. ADDITIONAL EXIT SIGNS AND EMERGENCY LIGHTING FIXTURES MAY BE REQUIRED AT THE DISCRETION OF THE FIELD INSPECTOR.

c. THAT THE EXTERIOR EMERGENCY EGRESS LIGHTING IS EQUIPPED WITH A TWO (2) LAMP / TWO (2) LED DRIVER FIXTURE OR MULTIPLE FIXTURES IN PROXIMITY TO EACH OTHER.

d. THAT ALL EMERGENCY LIGHTING SHALL BE INSTALLED ON THE SAME BRANCH CIRCUIT THAT SUPPLIES NORMAL LIGHTING IN THE AREA OF THE EMERGENCY LIGHTING, AHEAD OF ANY LOCAL SWITCHING IN ACCORDANCE WITH NEC 700.12(F) AND NEC 408.4.

e. THE BONDING OF THE WATER PIPE SYSTEM AT THE WATER HEATER. THE WATER HEATER SHALL BE JUMPERED BETWEEN THE COLD AND HOT WATER PIPES WITH A JUMPER SIZED ACCORDING TO NEC TABLE 250.166, PER NEC 250.104(A)(1) AND ANY METAL GAS PIPING SHALL BE BONDED PER NEC 250.104(B).

f. ALL EXPOSED METAL PARTS OF THE PROPOSED LIGHT POLES AND THE MONUMENT SIGN ARE EFFECTIVELY CONNECTED TOGETHER AND TO THE ELECTRICAL SUPPLY SOURCE IN A MANNER THAT CREATES A LOW IMPEDANCE PATH FOR GROUND FAULT CURRENT THAT FACILITATES THE OPERATION OF THE CIRCUIT OVERCURRENT PROTECTION DEVICE, PER NEC 250.4(A)(5).

	CONNECTED LOAD		DEMAND LOAD
LIGHTING	11.4 KVA	@ 125%	14.3 KVA
RECEPTACLES	19 KVA	1ST 10KVA @ 100% REST @ 50%	10.0 KVA 4.5 KVA
BUILDING SIGNAGE	2.4 KVA	@ 1.2 KVA X 125%	3 KVA
KITCHEN EQUIPMENT	156.6 KVA	@ 65%	101.8 KVA
PATIO HEATERS	36 KVA	@ 0%	0 KVA
ELECTRIC HEAT	15.7 KVA	@ 0%	0 KVA
MECHANICAL	230.1 KVA	@ 100% LARGEST @ 25%	230.1 KVA 6.4 KVA
	471.2 KVA	TOTAL LOAD	370.1 KVA
			444.1 A
			SERVICE 600 AMPS

CODE MINIMUM SERVICE SIZE CALCULATION

NO SCALE

ISSUE FOR PERMIT

OWNER RELEASE: I HAVE REVIEWED THESE DRAWINGS FOR DESIGN INTENT AND HEREBY CERTIFY THAT THEY CONFORM IN ALL RESPECTS TO MY DESIGN CRITERIA AND ARE APPROVED.

BY ______ DATE ______

THESE DRAWINGS MAY HAVE BEEN REPRODUCED AT A SIZE DIFFERENTLY THAN ORIGINALLY DRAWN. OWNER AND ARCHITECT ASSUME NO RESPONSIBILITY FOR USE OF INCORRECT SCALE.

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH CONSTRUCTION AND NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR CONFLICTS.

NO	DATE	DESCRIPTION
1	04.25.25	ISSUE FOR PERMIT
	05.14.25	PERMIT REVISION # 1

STATE OF MISSOURI
GREGORY L. DOFFIN
NUMBER
PE-2015022305
PROFESSIONAL ENGINEER

SIGNATURE
05/14/2025 DATE
12/31/2025 EXPIRATION DATE
CERTIFICATION:

ANCHO
&
AGAVE
SUMMIT FAIR SHOPPING CENTER
D-BUILDING
860-A NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086

CARR WARNER
ARCHITECTS
ARCHITECTURE
INTERIORS
PLANNING

3711 N. RAVENSWOOD
SUITE #104
CHICAGO, ILLINOIS 60613
p 773·477·9009
f 773·477·6888
www.carrwarner.com

PANEL
SCHEDULES

JOB NO:
ANCHO - SUMMIT FAIR
DATE:
04.25.2025
SHEET NO:
E0.2

LIGHT FIXTURE SCHEDULE

TAG	DESCRIPTION	MANUFACTURER CATALOG NUMBER	LAMP	WATTS	VOLTS	DIMMING TECHNOLOGY	MOUNTING LOCATION	REMARKS
A-1	2'X4' LED LAY-IN LED PANEL	LITHONIA CPX-2X4-ALO8-SWW7-M2	LED	51W	120	0-10V	RECESSED	
A-1 EM	2'X4' LED LAY-IN LED PANEL WITH EM BATTERY	LITHONIA CPX-2X4-ALO8-SWW7-M2 WITH IOTA ILBLP-CP10-HE-SD-A EMERGENCY DRIVER	LED	51W	120	0-10V	RECESSED	
A-2	2'X4' LED SURFACE MOUNTED LAY IN LED PANEL WITH SURFACE FRAME	LITHONIA CPX-2X4-ALO8-SWW7-M2 WITH 2X4SMKSH-SHALLOW DEPTH SURFACE MOUNT KIT	LED	51W	120	0-10V	SURFACE	
A-3	2'X2' LED LAY-IN TROFFER	COOPER SQ4-F-OU-100D-930-1-D-UNV-STD-W-AC48-JB-4	LED	10W	120	0-10V	RECESSED	
C-1	3" LED WALL WASH	COOPER LDA3B-10-R40-90-27-DIMMABLE	LED	9W	120	I.C.C.	RECESSED	
C-2	6" LED DOWNLIGHT	LITHONIA RB56SWW5MWM6	LED	15W	120	0-10V	RECESSED	
D-1	PORCELAIN SOCKET LIGHT UNDER BAR CANOPY	COMMUNE LIGHT SOCKETS MEDIUM BASE LIGHT SOCKET	LED	4.5W	120V	PHASE DIMMING	CANOPY	
EM1	EDGE LIT EXIT SIGN WITH BATTERY BACKUP	LITHONIA EDG 1 R EL	LED	2W	120V	NA	UNIVERSAL	
EM2	FRONT OF HOUSE EMERGENCY BATTERY LIGHT	SURE LIGHTS SELDA50_SD	LED	2W	120V	NA	WALL	
EM3	BACK OF HOUSE EMERGENCY BATTERY LIGHT	SURE LIGHTS APELH2WH-WHITE	LED	2W	120V	NA	WALL	
EM4	MONOPOINT TRACK LIGHT WIRED TO EMERGENCY LIGHTING INVERTER	JUNO R600L-G2-27K-80CRI-DIMMABLE-NFL-BL	LED	10W	120V	NA	PENDANT	INVERTER BY EC REFER TO DRAWINGS
F1	CEILING FAN WITHOUT LIGHT KIT	MATTHEWS FAN DG-BK-MTL	LED	18W	120V	NA	PENDANT	
P-1	DECORATIVE PENDANT	REFER TO ARCHITECTURAL DRAWING # A2.1	LED	4.5W	120V	PHASE DIMMING	PENDANT	
P-2	DECORATIVE PENDANT	REFER TO ARCHITECTURAL DRAWING # A2.1	LED	4.5W	120V	PHASE DIMMING	PENDANT	
P-3	DECORATIVE PENDANT	REFER TO ARCHITECTURAL DRAWING # A2.1	LED	7-LAMPS 60W EA	120V	PHASE DIMMING	PENDANT	
P-4	FLUSH MOUNT FIXTURE	REFER TO ARCHITECTURAL DRAWING # A2.1	LED	3-LAMPS 4.5W EA	120V	PHASE DIMMING	FLUSH	
P-5	UNUSED							
P-6	DECORATIVE PENDANT (15 DIFFERENT STYLES A-N)	REFER TO ARCHITECTURAL DRAWING # A2.1	LED	4.5W	120V	PHASE DIMMING	PENDANT	
P-7	DECORATIVE FLUSH MOUNT PENDANT	REFER TO ARCHITECTURAL DRAWING # A2.1	LED	6W	120V	PHASE DIMMING	PENDANT	
S-1	LED ROPE TAPE	GM LIGHTING LTR-P-12V-1.5W-27K-16	LED	1.5W/FT	120	PHASE DIMMING	SURFACE	
T-1	TRACK WITH LED HEADS	JUNO R600L-G2-27K-80CRI-DIMMABLE-NFL-BL	LED	10W	120	PHASE DIMMING	SURFACE	
T-2	2'-0" TRACK WITH LED HEADS	JUNO R600L-G2-27K-80CRI-DIMMABLE-NFL-BL	LED	10W	120	PHASE DIMMING	SURFACE	
WS-1	WALL SCONCE	REFER TO ARCHITECTURAL DRAWING # A2.1	LED	4.5W	120	PHASE DIMMING	SURFACE	
WS-2	WALL SCONCE	REFER TO ARCHITECTURAL DRAWING # A2.1	LED	4.5W	120	PHASE DIMMING	SURFACE	
WS-3	WALL SCONCE	REFER TO ARCHITECTURAL DRAWING # A2.1	LED	4.5W	120	PHASE DIMMING	SURFACE	
WS-4	FEEL GOOD SIGN LIGHT	REFER TO ARCHITECTURAL DRAWING # A2.1	LED	400W	120	PHASE DIMMING	SURFACE	
WS-5	TACOS AMIGOS SIGN LIGHT	REFER TO ARCHITECTURAL DRAWING # A2.1	LED	400W	120	PHASE DIMMING	SURFACE	
WS-6	BUENE PROVECHO SIGN LIGHT	REFER TO ARCHITECTURAL DRAWING # A2.1	LED	400W	120	PHASE DIMMING	SURFACE	
WS-7	STAR 48 SIGN LIGHT	REFER TO ARCHITECTURAL DRAWING # A2.1	LED	100W	120	PHASE DIMMING	SURFACE	
WS-8	STAR 30 SIGN LIGHT	REFER TO ARCHITECTURAL DRAWING # A2.1	LED	100W	120	PHASE DIMMING	SURFACE	
WS-9	STAR 36 SIGN LIGHT	REFER TO ARCHITECTURAL DRAWING # A2.1	LED	100W	120	PHASE DIMMING	SURFACE	
EXD-1	UNUSED							
EXD-2	4" EXTERIOR EXPOSED MARQUEE LIGHT	REFER TO ARCHITECTURAL DRAWING # A2.1	LED	4.5W	120	PHASE DIMMING	SURFACE	4.5 W PER LAMP
EXF-1	EXTERIOR FAN - NO LAMP KIT	MATTHEWS DGLK-BN-MTL		18W	120		SURFACE	
EXH-1	EXTERIOR HEATER ROD MOUNTED	BROMIC 6000W SERIES		6000W	208V 1PH		ROD/POLE MTD	
EXST-1	EXTERIOR STRING LIGHTS	REFER TO ARCHITECTURAL DRAWING # A2.1	LED	.6/LF	120	PHASE DIMMING	SURFACE	
EXWS-1	EXTERIOR WALL SCONCE	REFER TO ARCHITECTURAL DRAWING # A2.1	LED	5W	120	PHASE DIMMING	SURFACE	
EXWS-2	EXTERIOR WALL SCONCE	REFER TO ARCHITECTURAL DRAWING # A2.1	LED	32W	120	PHASE DIMMING	SURFACE	
EXWW-1	EXTERIOR STRIP WALL WASH ADJUSTABLE LIGHT	REFER TO ARCHITECTURAL DRAWING # A2.1	LED	6W/LF	120	PHASE DIMMING	SURFACE	

REMARKS:
TYPICAL. LIGHT FIXTURES SHALL HAVE MANUFACTURER LABEL INDICATING MAXIMUM WATTAGE OF NO MORE THAN INDICATED ON THIS SCHEDULE
FOR FINAL LIGHTING CONFIGURATION DIMENSIONS AND SPECIFICATIONS REFER TO ARCHITECTURAL DRAWINGS. DESIGN ARCHITECT TO APPROVE FINAL LOCATION OF ALL CEILING FIXTURES PRIOR TO FINAL TAPING AND CEILING PAINT. ALL DIMENSIONS AND LIGHTING FIXTURE PLACEMENT ARE APPROXIMATE UNTIL VERIFIED BY FIELD OBSERVATION AND DESIGN ARCHITECT APPROVAL.

CONTACTOR SCHEDULE

EXTERNAL CONTACTOR LABEL	INTERNAL CONTACTOR PANEL LABEL	SCENE	MANUFACTURER MODEL	TYPE	COIL VOLTAGE	CONTACT VOLTAGE	CONTACT AMPERE RATING	NO. OF POLES N.O.	NO. OF POLES N.C.	NEMA TYPE ENCLOSURE	CIRCUITS CONTROLLED
1A		1 INTERIOR LIGHTS	GENERAL ELECTRIC CR463L20-AJA	ELEC ENERGIZED ELEC HELD	120	120	30		12	NEMA 1	LP1-2,4,6,8,10,12,14,16,18,11,13,19
1B		1 INTERIOR LIGHTS	GENERAL ELECTRIC CR463L20-AJA	ELEC ENERGIZED ELEC HELD	120	120	30		12	NEMA 1	LP1-21,23,28,32,34,36
2A		2 OUTSIDE LIGHTS/SIGNS	GENERAL ELECTRIC CR463L20-AJA	ELEC ENERGIZED ELEC HELD	120	120	20	6		NEMA 1	LP1-1,3 KP2-56,61,63,65

LIGHTING FIXTURE SCHEDULE NOTES:

1. COORDINATE LENGTH OF ALL PENDANT FEEDS WITH OWNER PRIOR TO INSTALLATION.
2. LIGHTING FIXTURES FURNISHED, INSTALLED AND WIRED BY E.C. E.C. SHALL PROVIDE ALL MATERIALS AND LABOR FOR A COMPLETE INSTALLATION BY OWNER. SEE ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS AND HEIGHTS.
3. CONTRACTOR SHALL PROVIDE ALL LAMPS.
4. CONTRACTOR SHALL PROVIDE ALL NECESSARY MOUNTING HARDWARE, TRIM RINGS, ETC. FOR THE TYPE OF CEILING SPECIFIED. COORDINATE WITH THE ARCHITECTURAL ROOM FINISH SCHEDULE.
5. FOR EXIT LIGHTS, COORDINATE MOUNTING CONFIGURATION REQUIREMENT, DIRECTIONAL ARROWS, NUMBER OF FACES, ETC. WITH PLAN DRAWINGS.
6. CONTRACTOR SHALL PROVIDE ALL NECESSARY MOUNTING HARDWARE, FITTINGS, CONNECTORS, PENDANT FEEDS, END CAPS, ETC. FOR A COMPLETE TRACK LIGHTING SYSTEM.
7. CONTRACTOR SHALL PROVIDE ALL NECESSARY LOW VOLTAGE TRANSFORMERS, CONNECTORS, MOUNTING CLAMPS, ETC. FOR A COMPLETE LOW VOLTAGE LIGHTING SYSTEM.
8. CONTRACTOR SHALL VERIFY THICKNESS OF CEILING SYSTEMS AND PROVIDE EXTENSIONS AS REQUIRED FOR ALL DOWNLIGHTS.
9. PROVIDE ALL CONTROL WIRING NECESSARY FOR CONTROL WIRES OF 0-10V LED SYSTEMS. COORDINATE EXACT WIRING REQUIREMENTS WITH ALL LED FIXTURES, AND DIMMING CONTROL MODULES. PROVIDE A COMPLETE AND OPERATING SYSTEM.

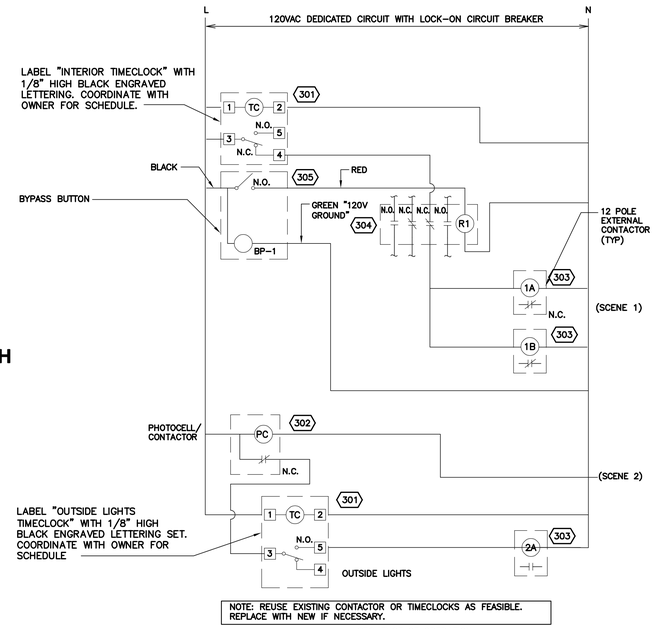
PROVIDE UNISTRUT MOUNT FOR ALL FIXTURES LOCATED AT FRONT OF HOUSE. COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECT / OWNER REPRESENTATIVE.

LIGHTING SENSOR SCHEDULE

TYPE	DESCRIPTION	SENSOR SWITCH MODEL #
OS	500 SQ. FT. ROOM SENSOR - DUAL TECHNOLOGY	CM-PDT-9
P1	POWER PACK (120V.)	PP-20
SP	SLAVE PACK (120V.)	SP-20
PC	AUTOMATIC DIMMING PHOTOCELL	CM-PC-ADC
s/l OS	WALL MOUNTED VACANCY SENSOR SWITCH	WSD-PDT-SA
s/l OSD	WALL MOUNTED VACANCY SENSOR SWITCH WITH DIMMING	WSX-D

OCCUPANCY SENSOR SCHEDULE NOTES:

01. PLAN DRAWING LOCATIONS OF OCCUPANCY SENSOR ARE DIAGRAMATIC ONLY. CONTRACTOR SHALL LOCATE OCCUPANCY SENSOR PER MANUFACTURER'S RECOMMENDATIONS.
02. WALL MOUNTED OCCUPANCY SENSORS SHALL BE PROGRAMMED FOR MANUAL ON / AUTOMATIC OFF OPERATION. OCCUPANCY SENSORS SHALL TURN OFF AFTER NO OCCUPANCY HAS BEEN DETECTED FOR 20 MINUTES.
03. CONTRACTOR SHALL COORDINATE OCCUPANCY SENSOR SETTINGS WITH OWNER AND FIELD ADJUST AS REQUIRED.
04. FURNISH AND INSTALL A POWER PACK FOR EACH CIRCUIT/SWITCH LEG THAT IS CONTROLLED BY A OCCUPANCY SENSOR. IF OCCUPANCY SENSOR SERVES BOTH NORMAL AND CRITICAL POWER THE POWER PACK SHALL BE POWERED BY THE CRITICAL CIRCUIT.
05. COORDINATE PHOTOCELL SET POINTS WITH OWNER'S REPRESENTATIVE.
06. OR EQUAL BY LEVITON, LUTRON, ACUITY, WATTSTOPPER OR COOPER.



NOTE: REUSE EXISTING CONTACTOR OR TIMECLOCKS AS FEASIBLE. REPLACE WITH NEW IF NECESSARY.

CONTACTOR CODED NOTES

(301) TORK MODEL #EW120BC, 7 DAY DIGITAL TIME CLOCK WITH SKIP-A-DAY FEATURE IN A NEMA 1 ENCLOSURE, WITH ONE N.O. 20 AMP AND ONE N.C. 10 AMP RATED CONTACTS.

(302) TORK MODEL #2001 PHOTOCELL, 120VAC RATED N.C. CONTACT. INSTALL PHOTOCELL FACING NORTH AND AWAY FROM ANY LIGHTING SOURCE.

(303) PROVIDE 12 POLE CONTACTORS AND WIRE IN PARALLEL TO CORRESPONDING TIMECLOCK. PROVIDE MORE AS NECESSARY.

(304) RELAYS (WITH 2 N.O. AND 2 N.C.) CONTACTS, G.E. MODEL #MCRA022ATJ.

(305) BYPASS BUTTON, TCS BAYSIS MODEL #PQ1008 REMOTE OVERRIDE SWITCH.

SEQUENCE OF OPERATION

SCENE 1 – INTERIOR LIGHTS TIMECLOCK

LIGHTS ON (TBD ADJUSTABLE): TIMECLOCK NORMALLY CLOSED CONTACT OPENS AND DE-ENERGIZES SCENE 1 CONTACTOR(S). CONTACTOR(S) NORMALLY CLOSED CONTACTS CLOSE AND ENERGIZE LIGHTS.

LIGHTS OFF (TBD ADJUSTABLE): TIMECLOCK NORMALLY CLOSED CONTACT CLOSES AND ENERGIZES SCENE 1 CONTACTOR(S). CONTACTOR(S) NORMALLY CLOSED CONTACTS OPEN AND DE-ENERGIZE LIGHTS.

SCENE 2 – OUTSIDE LIGHTS TIMECLOCK

LIGHTS ON OR OFF (TBD ADJUSTABLE):

LIGHTS OFF (HIGH AMBIENT LIGHT OUTSIDE): TIMECLOCK NORMALLY OPEN CONTACT CLOSED. PHOTO CELL NORMALLY CLOSED CONTACT OPEN. SCENE 2 CONTACTOR(S) DE-ENERGIZED. CONTACTOR(S) NORMALLY OPEN CONTACTS OPEN AND DE-ENERGIZE LIGHTS.

LIGHTS ON (LOW AMBIENT LIGHT OUTSIDE): TIMECLOCK NORMALLY OPEN CONTACT CLOSED. PHOTO CELL NORMALLY CLOSED CONTACT CLOSED. SCENE 2 CONTACTOR(S) ENERGIZED. CONTACTOR(S) NORMALLY OPEN CONTACTS CLOSE AND ENERGIZE LIGHTS.

LIGHTS OFF (TBD ADJUSTABLE):

TIMECLOCK NORMALLY OPEN CONTACT OPEN. SCENE 2 CONTACTOR(S) DE-ENERGIZED. CONTACTOR(S) NORMALLY OPEN CONTACTS OPEN AND

CONFIRM ALL TIME SETTINGS WITH OWNER REPRESENTATIVE AHEAD

DIMMER SCHEDULE

LDA ZONE	DIMMER #	AREA CONTROLLED	TYPE	QTY	W	LOAD	CONTROL TYPE	PANEL - CIRCUIT
Z-1	D1	MAIN DINING PENDANT LTS	P-1	8	8	64	UNIVERSAL DIMMER SWITCH, TIMECLOCK	LP1-8a
Z-2	D2	DINING TRACK LTS	T-1	10	10	100	UNIVERSAL DIMMER SWITCH, TIMECLOCK	LP1-8b
Z-3	D3	DINING TRACK LTS	T-1	14	10	140	UNIVERSAL DIMMER SWITCH, TIMECLOCK	LP1-8c
Z-4	D4	CENTER PENDANTS BAR/DINING	P-3	28	60	1,680	UNIVERSAL DIMMER SWITCH, TIMECLOCK	LP1-34
Z-4	D5	CENTER PENDANTS BAR/DINING	P-3	28	60	1,680	UNIVERSAL DIMMER SWITCH, TIMECLOCK	LP1-36
Z-5	D6	DINING TRACK LTS	T-2	12	10	120	UNIVERSAL DIMMER SWITCH, TIMECLOCK	LP1-32a
Z-6	D7	POS TRACK LTS	T-1	3	10	30	UNIVERSAL DIMMER SWITCH, TIMECLOCK	LP-10b
Z-7	D8	WALL SCONCE	WS-1	7	5	35	UNIVERSAL DIMMER SWITCH, TIMECLOCK	LP1-10c
Z-8	D9	DINING TRACK LTS	T-1	9	10	90	UNIVERSAL DIMMER SWITCH, TIMECLOCK	LP1-10a
Z-9	D10	DINING PENDANTS	P-1	8	8	64	UNIVERSAL DIMMER SWITCH, TIMECLOCK	LP1-8d
Z-10	D11	LOUNGE PENDANTS	P6	45	5	225	UNIVERSAL DIMMER SWITCH, TIMECLOCK	LP1-14
Z-11	D12	DINING TRACK LTS	T-1	3	10	30	UNIVERSAL DIMMER SWITCH, TIMECLOCK	LP1-8e
Z-12	D13	VESTIBULE PENDANT	P4	1	5	5	UNIVERSAL DIMMER SWITCH, TIMECLOCK	LP1-12f
Z-13	D14	VESTIBULE DOWNLIGHTS	C-1	6	15	90	UNIVERSAL DIMMER SWITCH, TIMECLOCK	LP1-12e
Z-14	D15	ENTRY TRACK LTS	T-1	3	10	30	UNIVERSAL DIMMER SWITCH, TIMECLOCK	LP1-10d
Z-15	D16	RESTROOM CORRIDOR PENDANT	P-2	3	5	15	UNIVERSAL DIMMER SWITCH, TIMECLOCK	LP1-12h
Z-16	D17	FEEL GOOD LIGHTS	WS-4,5,6	3	400	1,200	ON/OFF SWITCH, TIMECLOCK	LP1-18
Z-17	D18	BEVERAGE DOWNLIGHTS	C-2	3	15	45	UNIVERSAL DIMMER SWITCH, TIMECLOCK	LP1-12i
Z-18	D19	BAR TRACK LIGHTS	T1	12	10	120	UNIVERSAL DIMMER SWITCH, TIMECLOCK	LP1-12a
Z-19	D20	BAR MARQUEE LIGHTS	D1	36	5	180	UNIVERSAL DIMMER SWITCH, TIMECLOCK	LP1-16a
Z-20	D21	DINING SIGN LIGHTS	WS-7,8,9,10	5	100	500	ON/OFF SWITCH, TIMECLOCK	LP1-28
Z-21	D22	BAR TAPE LIGHTS	S-1	110	1.5	165	UNIVERSAL DIMMER SWITCH, TIMECLOCK	LP1-16b
Z-22	D23	BEVERAGE TAPE LIGHTS	S-1	13	1.5	20	UNIVERSAL DIMMER SWITCH, TIMECLOCK	LP1-12j
Z-23	D24	FANS	F-1	2	83	166	ON/OFF SWITCH, TIMECLOCK, SPEED BY REMOTE	KP2-61a
		PUBLIC MEN'S RESTROOM	WS-2/P-7	5/8	5/6	73	OCCUPANCY SENSOR, 20 MINUTES AUTO SHUTOFF, REMOTE DIMMER	LP1-6m
		PUBLIC WOMEN'S RESTROOM	WS-2/P-7	5/8	5/6	73	OCCUPANCY SENSOR, 20 MINUTES AUTO SHUTOFF, REMOTE DIMMER	LP1-6p
		STORAGE	A-1	1	51	51	OCCUPANCY SENSOR, 20 MINUTES AUTO SHUTOFF	LP1-6r
		EMPLOYEE 1 RESTROOM	C-2/WS-3	2/1	15/5	35	OCCUPANCY SENSOR, 10 MINUTES AUTO SHUTOFF	LP1-6b
		EMPLOYEE 2 RESTROOM	C-2/WS-3	2/1	15/5	35	OCCUPANCY SENSOR, 10 MINUTES AUTO SHUTOFF	LP1-6a
		CHIPS/WRAP	C-2	11	15	165	0-10V DIMMER SWITCH, TIMECLOCK	LP1-4a
		APP COOK LINE	C-2	10	15	150	0-10V DIMMER SWITCH, TIMECLOCK	LP1-4b
		COOK LINE 1	A-1	36	51	1836	0-10V DIMMER SWITCH, TIMECLOCK	LP1-2c
		ELECTRICAL	A-2	1	51	51	OCCUPANCY SENSOR, 20 MINUTES AUTO SHUTOFF	LP1-6z
		OFFICE	A-3	2	10	20	OCCUPANCY SENSOR, 20 MINUTES AUTO SHUTOFF	LP1-6c
		EXTERIOR WALL SCONCE	EXWS-1	7	5	35	PHOTOCELL ON, TIMECLOCK OFF	KP2-63
		EXTERIOR WALL SCONCE	EXWS-2	9	32	288	PHOTOCELL ON, TIMECLOCK OFF	KP2-63
		EXTERIOR CANOPY LIGHTS	EXD-2	192	4.5	864	PHOTOCELL ON, TIMECLOCK OFF	KP2-65
		EXTERIOR STRING LIGHTS	EXST-1	193	0.6	115.8	PHOTOCELL ON, TIMECLOCK OFF	KP2-56
		EXTERIOR FAN	EXF-1	3	18	54	ON/OFF SWITCH, TIMECLOCK, SPEED BY REMOTE	KP2-61b

NOTE: ALL SWITCHES SHALL HAVE REMOTE INDICATOR LIGHTS AND LABELED FOR IDENTIFICATION.

ISSUE FOR PERMIT

NO	DATE	DESCRIPTION
1	04.25.25	ISSUE FOR PERMIT
	05.14.25	PERMIT REVISION # 1

STATE OF MISSOURI
GREGORY L. DOFFIN
NUMBER PE-2011022305
PROFESSIONAL ENGINEER
SIGNATURE
05/14/2025 DATE
12/31/2025 EXPIRATION DATE
CERTIFICATION:

ANCHO & AGAVE
SUMMIT FAIR SHOPPING CENTER
D-BUILDING
860-A NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086

CARR WARNER
ARCHITECTS
ARCHITECTURE
INTERIORS
PLANNING
3711 N. RAVENSWOOD
SUITE #104
CHICAGO, ILLINOIS 60613
p 773-477-9009
f 773-477-6888
www.carrwarner.com

LIGHTING FIXTURE SCHEDULE

JOB NO: ANCHO - SUMMIT FAIR
SHEET NO: E0.3
DATE: 04.25.2025

KITCHEN ELECTRICAL SCHEDULE

NO.	DESCRIPTION	VAC/PH	LOAD	RECEPTACE	CONNECTION	SOURCE	CONDUIT AND WIRING	MOUNTING HEIGHT	REMARKS
1	BEER COOLER LIGHTS	120/1	6.5A		HARDWIRE	KP1-1 (TIE)	1/2"C.-2 # 12 & 1 # 12G	80"	A,K,P
1A	BEER COOLER UNIT COOLER	120/1	1.5A		HARDWIRE	KP1-1 (TIE)	1/2"C.-2 # 12 & 1 # 12G	80"	C,K,Z
1B	WALK-IN BEER COOLER REF. SYSTEM	208/1	13.0A		HARDWIRE	KP1-(38,40)	1/2"C.-2 # 12 & 1 # 12G	EXT. ROOF	C
6	CARBONATORS (3)	120/1	8.0A EA.	5-20R EA		KP1-2,4,6	1/2"C.-2 # 12 & 1 # 12G EA	72"	D,E,H
7A	CO2 DETECTOR	120/1	15A CIRC.		HARDWIRE	KP1-13	1/2"C.-2 # 12 & 1 # 12G		D,E
9	WALK IN COOLER LIGHTS	120/1	4.0A		HARDWIRE	KP1-15 (TIE)	1/2"C.-2 # 12 & 1 # 12G	80"	A,K,P
9A	WALK IN COOLER EVAPORATOR COIL(2)	120/1	3.0A		HARDWIRE	KP1-15 (TIE)	1/2"C.-2 # 12 & 1 # 12G	80"	C,K,Z
9B	WALK IN COOLER REMOTE COMPRESSOR	208/1	19.7A		HARDWIRE	KP1-(7,9)	1/2"C.-2 # 10 & 1 # 10G	EXT. ROOF	C
10	AIR CURTAIN	120/1	6.5A EA.		HARDWIRE	KP1-11	1/2"C.-2 # 12 & 1 # 12G EA.	90"	C
12	BEER CHILLER (ON TOP OF WALK-IN)	208/1	13A		HARDWIRE	KP1-(10,12)	1/2"C.-2 # 12 & 1 # 12G	78"	C
15	NITRO	120/1	15A CIRC.		HARDWIRE	KP1-26	1/2"C.-2 # 12 & 1 # 12G	18"	D,E
17	CORN TORTILLA PRESS	120/1	2.0A	5-20R		KP2-15	1/2"C.-2 # 12 & 1 # 12G	50"	D,H
18	UTILITY OUTLET (3)	120/1	15A CIRC.	5-20R GFCI EA		KP1-14,16,18	1/2"C.-2 # 12 & 1 # 12G EA	50"	D,E
20	60" GRIDDLE	120/1	1.0A	5-20R		KP1-8 (TIE)	1/2"C.-2 # 12 & 1 # 12G	26"	D,H
20A	REFRIGERATED EQUIPMENT STAND	120/1	4.2A	5-20R		KP2-26 (TIE)	1/2"C.-2 # 12 & 1 # 12G	12"	D,H
21	UTILITY OUTLETS (3)	120/1	20A CIRC.	5-20R GFCI EA		KP1-20,22,24	1/2"C.-2 # 12 & 1 # 12G EA	50"	D,E
22	UTILITY OUTLET (1)	120/1	20A CIRC.	5-20R GFCI		KP2-7	1/2"C.-2 # 12 & 1 # 12G	50"	D,E
24	30 QUART FLOOR MIXER	120/1	16A	5-20R		KP2-2	1/2"C.-2 # 10 & 1 # 10G	24"	C,E
27	REFRIGERATED PREP TABLE	120/1	2.9A	5-20R		KP2-4	1/2"C.-2 # 12 & 1 # 12G EA	50"	D,E
33	UTILITY OUTLETS (2)	120/1	20A CIRC.	5-20R GFCI EA		KP1-28,30	1/2"C.-2 # 12 & 1 # 12G EA	50"	D,E
33A	UTILITY OUTLETS (2)	120/1	20A CIRC.	5-20R GFCI EA		KP1-32,34	1/2"C.-2 # 12 & 1 # 12G EA	50"	D,E
36	THREE DOOR REACH-IN FREEZER	120/1	14A	5-20R		KP2-1	1/2"C.-2 # 12 & 1 # 12G	12"	D,H
38	TWO DOOR REACH IN COOLER	120/1	7.4A	5-20R		KP2-3	1/2"C.-2 # 12 & 1 # 12G	12"	D,H
48	BOOSTER HEATER	480/3	48A		HARDWIRE	HP1-(14,16,18)	3/4C.-3 # 6 & 1 # 10 G	24"	C,E
49	WAREWASHER	480/3	22A		HARDWIRE	HP1-(20,22,24)	3/4"C.-3 # 10 & 1 # 10 G	78"	C,E
50	CONDENSATE EXHAUST HOOD LIGHTS	120/1	15A CIRC		HARDWIRE	KP2-53	1/2"C.-2 # 12 & 1 # 12G	CEILING	A,J,M,T
50.1	CONDENSATE HOOD FAN (EF1)	120/1	1/3 HP		HARDWIRE	KP2-51	1/2"C.-2 # 12 & 1 # 12G	CEILING	A,E,M,O,T
55	PULL DOWN ELECTRICAL CORD (2)	120/1	20A CIRC	5-20R EA		KP1-27,29	1/2"C.-2 # 12 & 1 # 12G EACH	CEILING	E,M
56	UTILITY OUTLETS	120/1	20A CIRC.	5-20R GFCI		KP2-8	1/2"C.-2 # 12 & 1 # 12G	50"	D,E
59	CONVECTION OVENS (2)	120/1	8.0A EA.	5-20R EA		KP2-10,12	1/2"C.-2 # 12 & 1 # 12G EACH	24"/48"	D,H
62	FRYER FILTER	120/1	10.0A	5-20R		KP2-14	1/2"C.-2 # 12 & 1 # 12G	24"	D,H
63	HALF HEIGHT HOLDING CABINET (2)	120/1	14.2A	5-20R		KP2-6,24	1/2"C.-2 # 12 & 1 # 12G EACH	24"/48"	D,H
63A	SMOKER OVEN	120/1	16.0A	5-20R		KP2-28	1/2"C.-2 # 12 & 1 # 12G	24"	D,H
63B	UTILITY OUTLETS (3)	120/1	20A CIRC.	5-20R GFCI EA		KP2-67,69,71	1/2"C.-2 # 12 & 1 # 12G EA	50"	D,E
64	EXHAUST HOOD LIGHTS	120/1	15A CIRC.		HARDWIRE	KP2-38(TIE)	1/2"C.-2 # 12 & 1 # 12G	CEILING	A,J,M,T
64.1	EXHAUST FAN (EF2)	208/3	5 HP		HARDWIRE	-	REFER TO MOTOR SCHEDULE	ROOF	A,E,M,O,T
64.4	REMOTE FIRE SUPRESSION SYSTEM	120/1	2.0 A		HARDWIRE	KP2-38(TIE)	1/2"C.-2 # 12 & 1 # 12G	CEILING	A,M,O,T
64.5	FIRE SUPRESSION REMOTE PULL						3/4"C	48"	N
68	EXHAUST HOOD LIGHTS	120/1	2.0 A			KP2-30(TIE)	1/2"C.-2 # 12 & 1 # 12G	CEILING	A,J,M,T
68.1	EXHAUST FAN (EF3)	208/3	5 HP		HARDWIRE	-	REFER TO MOTOR SCHEDULE	ROOF	A,E,M,O,T
68.4	REMOTE FIRE SUPRESSION SYSTEM	120/1	2.0 A			KP2-30(TIE)	1/2"C.-2 # 12 & 1 # 12G	CEILING	A,M,O,T
68.5	FIRE SUPRESSION REMOTE PULL						3/4"C	48"	N
71	FRYERS W/ FILTERS	120/1	10A	5-20R		KP2-20	1/2"C.-2 # 12 & 1 # 12G	24"	D,H
72	TILT SKILLET	120/1	5A		HARDWIRE	KP2-18	1/2"C.-2 # 12 & 1 # 12G	24"	C
73	UPRIGHT BROILER	120/1	3.4A.	5-20R		KP2-16	1/2"C.-2 # 12 & 1 # 12G	24"	D,H
75	GRIDDLE	120/1	1.0A.	5-20R		KP1-8 (TIE)	1/2"C.-2 # 12 & 1 # 12G	26"	D,H
76	REFRIGERATED EQUIPMENT STAND	120/1	5.7A	5-20R		KP2-26 (TIE)	1/2"C.-2 # 12 & 1 # 12G	24"	D,H
77	REFRIGERATED EQUIPMENT STAND	120/1	2.5A	5-20R		KP2-19 (TIE)	1/2"C.-2 # 12 & 1 # 12G	24"	D,H
78	GRIDDLE	120/1	1.0A.	5-20R		KP2-19 (TIE)	1/2"C.-2 # 12 & 1 # 12G	26"	D,H
79	REFRIGERATED PREP STATION	120/1	4.5A	5-20R		KP1-61	1/2"C.-2 # 12 & 1 # 12G	24"	D,H
80A	KDS SCREENS (4)	120/1	4.0A	5-20R		KP2-39	1/2"C.-2 # 12 & 1 # 12G	-	D,E,F,H
80B	PRINTER	120/1	4.0A	5-20R		KP1-42	1/2"C.-2 # 12 & 1 # 12G	-	D,E,F,H
81	CONDIMENT REFRIGERATOR	120/1	1.7A	5-20R		KP2-33	1/2"C.-2 # 12 & 1 # 12G	24"	D,H
82	REFRIG. PREP TABLE	120/1	7.0A	5-20R		KP2-31	1/2"C.-2 # 12 & 1 # 12G	24"	D,H
83	COUNTERTOP WARMER	120/1	15A CIRC.	5-20R GFCI		KP2-41	1/2"C.-2 # 12 & 1 # 12G	50"	B,H,L,A1
83A	UTILITY OUTLET (2)	120/1	20A CIRC.	5-20R GFCI		KP2-35	1/2"C.-2 # 12 & 1 # 12G	24"	D,E
84	HOT FOOD TABLE	208/1	24.0A		HARDWIRE	KP2-(32,34)	1/2"C.-2 # 10 & 1 # 10G	24"	C
85	REFRIG. PREP TABLE	120/1	7.0A	5-20R		KP2-40	1/2"C.-2 # 12 & 1 # 12G	24"	D,H
86	UTILITY OUTLETS (2)	120/1	20A CIRC. EA.	5-20R EA.		KP1-17,19	1/2"C.-2 # 12 & 1 # 12G	36"	D,E
87	HEAT LAMPS (3)	120/208/1	3.12 KW EA		HARDWIRE	KP1-(31,33), (35,37),(39,41)	1/2"C.-3 # 10 & 1 # 10G EACH	66"	A,C,L,Z
88	MICROWAVE (2)	120/1	4.2A.	5-20R		KP2-27,36	1/2"C.-2 # 12 & 1 # 12G	39"	D,H
89	UTILITY OUTLETS (2)	120/1	20A CIRC.	5-20R GFCI EA		KP1-43,45	1/2"C.-2 # 12 & 1 # 12G	50"	D,E
91	UTILITY OUTLET	120/1	20A CIRC.	5-20R GFCI EA		KP1-21	1/2"C.-2 # 12 & 1 # 12G	50"	D,E
94	ICE MAKER WITH BIN	208/1	20.1A	FUSED DISC.	HARDWIRE	KP1-(47,49)	1/2"C.-2 # 10 & 1 # 10G	72"	C
95	EXHAUST HOOD LIGHTS	120/1	2 A		HARDWIRE	KP2-17(TIE)	1/2"C.-2 # 12 & 1 # 12G	CEILING	A,J,M,T
95.1	EXHAUST FAN (EF4)	208/3	3 HP		HARDWIRE	-	REFER TO MOTOR SCHEDULE	ROOF	A,E,M,O,T
95.4	REMOTE FIRE SUPRESSION SYSTEM	208/3 120/1	2 A		HARDWIRE	KP2-17(TIE)	1/2"C.-2 # 12 & 1 # 12G	CEILING	A,M,O,T
95.5	FIRE SUPRESSION REMOTE PULL						3/4"C	48"	N
101	FRYERS WITH FILTERS	120/1	10.0A	5-20R		KP2-21	1/2"C.-2 # 12 & 1 # 12G	24"	D,H
103	REFRIG. PREP TABLE SELF CONTAINED	120/1	13.0A	5-20R		KP2-9	1/2"C.-2 # 12 & 1 # 12G	24"	D,H
104	HOT FOOD TABLE	120/1	17.0A	5-30R		KP2-25	1/2"C.-2 # 10 & 1 # 10G	24"	C
105	REFRIG. PREP TABLE	120/1	13.0A	5-20R		KP2-11	1/2"C.-2 # 12 & 1 # 12G	24"	D,H
108A	HEAT LAMP	120/1	4.4A		HARDWIRE	KP2-23	1/2"C.-2 # 12 & 1 # 12G	50"	D,H
109	HEAT LAMP	120/1	4.4A		HARDWIRE	KP2-23	1/2"C.-2 # 12 & 1 # 12G	66"	D,H
110	POS SYSTEMS (6)	120/1	4.0A			KP2-60,62,64	1/2"C.-2 # 12 & 1 # 12G	42"	D,E,F,H
110A	POS SYSTEMS (2)	120/1	4.0A			KP2-5	1/2"C.-2 # 12 & 1 # 12G	30"	D,E,F,H
111	UTILITY OUTLET (2)	120/1	20A CIRC.	5-20R GFCI		KP1-57	1/2"C.-2 # 12 & 1 # 12G	30"	D,E
113	CHIPS WARMER (2)	120/1	8.7A EA.	5-20R		KP1-51,53	1/2"C.-2 # 12 & 1 # 12G	50"	D,H
115	REACH IN REFRIGERATOR	120/1	2.0A	5-20R		KP1-59	1/2"C.-2 # 12 & 1 # 12G	24"	D,H
116	UTILITY OUTLETS (2)	120/1	20A CIRC.	5-20R		KP1-63,65	1/2"C.-2 # 12 & 1 # 12G	50"	D,E
118	COFFEE BREWER (1)	120/208/1	30A CIRC.	L14-30R		KP1-(3,5)	1/2"C.-3 # 10 & 1 # 10G	50"	C,E
118A	COFFEE GRINDER	120/1	20A CIRC.	5-20R		KP1-59	1/2"C.-2 # 12 & 1 # 12G	50"	D,E,H
119	TEA BREWER	120/208/1	30A CIRC.	L14-30R		KP1-(23,25)	1/2"C.-3 # 10 & 1 # 10G	50"	C,E
120	SODA/ICE DISPENSER	120/1	4.0A	5-20R		KP1-67	1/2"C.-2 # 12 & 1 # 12G	12"	D,E,H
126	REACH IN FREEZER	120/1	4.8A	5-20R		KP2-13	1/2"C.-2 # 12 & 1 # 12G	24"	D,H
130	POS REGISTERS (2)	120/1	4.0A EA.	5-20R		KP1-52	1/2"C.-2 # 12 & 1 # 12G	VERIFY	B,E,F,H
137	WORKTOP REFRIGERATOR	120/1	2.8A	5-20R		KP1-54	1/2"C.-2 # 12 & 1 # 12G	18"	D,H
138	UNDERCOUNTER REFRIGERATOR	120/1	2.8A	5-20R		KP1-58(TIE)	1/2"C.-2 # 12 & 1 # 12G	18"	D,H
148	WORK TOP FREEZER	120/1	5.0A	5-20R		KP1-58(TIE)	1/2"C.-2 # 12 & 1 # 12G	18"	D,H
149	CHIP WARMER	120/1	8.7A	5-20R		KP1-64	1/2"C.-2 # 12 & 1 # 12G	24"	D,H
152	GLASS WASHER	120/1	16.0A		HARDWIRE	KP1-62	1/2"C.-2 # 12 & 1 # 12G	18"	C
154	FROZEN DRINK MACHINE	120/1	13 A	5-20R		KP1-70	1/2"C.-2 # 12 & 1 # 12G	24"	D,H
157	BACKBAR COOLERS (2)	120/1	4.2A EA.	5-20R		KP1-60	1/2"C.-2 # 12 & 1 # 12G	24"	D,H
161	UTILITY OUTLET (3)	120/1	20A CIRC.	5-20R GFCI		KP1-56.44,46	1/2"C.-2 # 12 & 1 # 12G	36"	D,E
174	UTILITY OUTLETS	120/1	20A CIRC.	5-20R GFCI		KP1-66	1/2"C.-2 # 12 & 1 # 12G	50"	D,E
176	UNDER COUNTER REFRIGERATOR	120/1	2.0A	5-20R		KP1-72	1/2"C.-2 # 12 & 1 # 12G	24"	D,H

ELECTRICAL REMARKS

A. WIRE TO JUNCTION BOX ON EQUIPMENT.

B. ATTACH RECEPTACLE OR J.B. TO COUNTER, CABINET, OR EQUIPMENT.

C. WIRE TO EQUIPMENT. PROVIDE DISCONNECT OR CORD AND PLUG AS REQUIRED BY LOCAL CODE.

D. PROVIDE RECEPTACLE FLUSH IN WALL.

E. EQUIPMENT NOT SUPPLIED BY A.D.E., VERIFY REQUIREMENTS WITH SUPPLIER.

F. DEDICATED CIRCUIT/ISOLATED GROUND, PROVIDE ELECTRICAL OUTLET. PROVIDE CONDUIT ACCESS FOR COMMUNICATION CABLE, VERIFY WITH OWNER.

G. PROVIDE AND INSTALL CORD & PLUG AND RECEPTACLE.

H. EQUIPMENT SUPPLIED WITH CORD & PLUG.

I. WIRE FROM CONTROL PANEL OR WALL SWITCH TO FAN(S) ON EXTERIOR ROOF. PROVIDE AND INSTALL DISCONNECT. SWITCH AND STARTERS LOCATED IN CONTROL PANEL.

J. WIRE FROM SWITCH ON PANEL TO LIGHTS IN ALL HOODS.

K. CONNECTION INSIDE WALK-IN FROM CEILING. E.C. TO CAULK ALL CONDUIT PENETRATIONS INSIDE AND OUTSIDE. RUN ALL HORIZONTAL CONDUIT ABOVE WALK-IN WHERE POSSIBLE.

L. STUB UP FROM FLOOR, ATTACH TO RECEPTACLE OR J.B. ON EQUIPMENT.

M. FROM CEILING.

N. INSTALL 4x4 J.B. IN WALL, RUN CONDUIT ABOVE DROP CEILING FOR FIRE SYSTEM PULL STATION. VERIFY LOCATION W/ LOCAL INSPECTOR.

O. PROVIDE CIRCUIT FOR ALARM, SHUNT TRIP BREAKERS & FAN SHUT-OFF AS REQUIRED BY LOCAL CODE. MICROSWITCH PROVIDED IN UTILITY CABINET. WIRE TO J.B. ON FIRE SYSTEM.

P. ELECTRICIAN TO INSTALL LIGHT FIXTURES SUPPLIED WITH EQUIPMENT.

Q. STUB UP FROM FLOOR, INSIDE DIE WALL. WIRE TO LIGHTS & JUNCTION BOXES LOCATED IN DIE WALL.

R. RUN CONTROL WIRING FROM "STOP SWITCH" TO DISHWASHER. VERIFY WITH SUPPLIER. SUPPLIED BY CHEMICAL COMPANY.

S. MOUNT RECEPTACLE TO UNDERSIDE OF BAR TOP.

T. SEE EXHAUST HOOD WIRING DIAGRAM #1 ON HOOD DRAWINGS

V. SEE WIRING DIAGRAM HOOD DRAWINGS

W. WIRE TWO CONTROL WIRES FROM J.B ON ICE MAKER TO ROOF TOP REMOTE CONDENSER.

X. WIRE FROM EXHAUST FAN ON EXTERIOR ROOF TO WALL SWITCH. PROVIDE AND LOCATE WALL SWITCH PER PLAN.

Y. CONNECT TO PANEL INSTALLED ON EQUIPMENT. UNCOIL FACTORY SUPPLIED WIRING AND CONNECT TO RECEPTACLES AND JUNCTION BOXES ALSO INSTALLED ON EQUIPMENT.

Z. WIRE CONTROLS SUPPLIED WITH EQUIPMENT.

ISSUE FOR PERMIT

OWNER RELEASE: I HAVE REVIEWED THESE DRAWINGS FOR DESIGN INTENT AND HEREBY CERTIFY THAT THEY CONFORM IN ALL RESPECTS TO MY DESIGN CRITERIA AND ARE APPROVED.

BY_____ DATE_____

THESE DRAWINGS MAY HAVE BEEN REPRODUCED AT A SIZE DIFFERENTLY THAN ORIGINALLY DRAWN. OWNER AND ARCHITECT ASSUME NO RESPONSIBILITY FOR USE OF INCORRECT SCALE.

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH CONSTRUCTION AND NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR CONFLICTS.

NO	DATE	DESCRIPTION
1	04.25.25	ISSUE FOR PERMIT
	05.14.25	PERMIT REVISION # 1

STATE OF MISSOURI
GREGORY L. DOFFIN
NUMBER PE-2015022305
PROFESSIONAL ENGINEER
SIGNATURE

05/14/2025 DATE
12/31/2025 EXPIRATION DATE
CERTIFICATION:

ANCHO & AGAVE
SUMMIT FAIR SHOPPING CENTER
D-BUILDING
860-A NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086

CARR WARNER
ARCHITECTS
ARCHITECTURE
INTERIORS
PLANNING
3711 N. RAVENSWOOD
SUITE #104
CHICAGO, ILLINOIS 60613
p 773-477-9009
f 773-477-6888
www.carrwarner.com

KITCHEN EQUIPMENT SCHEDULE

JOB NO:	SHEET NO:
ANCHO - SUMMIT FAIR	E0.4
DATE: 04.25.2025	

MOTOR/EQUIPMENT SCHEDULE

ITEM	EQUIPMENT DESIGNATION	MOTOR LOCATION	HP, WATTS OR AMPS	VOLTAGE & PHASE	CONTROL DEVICES: 2 N.O. & 2 N.C. AUXILIARY CONTACTS	CONTROL DEVICES: SINGLE POLE THERMAL OVERLOAD SWITCH	CONTROL DEVICES: LOCKABLE SHUT-OFF TOGGLE SWITCH W/ PILOT LIGHT IN COVER	CONTROL DEVICES: COMBINATION STARTER AND DISCONNECT	CONTROL DEVICES: DUCT MOUNTED SMOKE DETECTOR IN SUPPLY	CONTROL DEVICES: DUCT MOUNTED SMOKE DETECTOR IN RETURN	CONTROL DEVICES: PACKAGED CONTROLLER	SIZE: CONDUIT, WIRE AND POWER SOURCE	SIZE: DISCONNECT SWITCH BY E.C.	REMARKS
DOAS 1	KITCHEN ROOF TOP DOAS UNIT 1	ROOF	92.7 MCA	480V 3PH	–	–	–	–	EE	EE	ME	HP1–(1,3,5) 1 1/4"C.– 3 # 2 & 1 # 8 GROUND	SEE NOTE # M11	PROVIDE 120V CONVENIENCE RECEPT. 100A MOCP
DOAS 2	KITCHEN ROOF TOP DOAS UNIT 2	ROOF	92.7 MCA	480V 3PH	–	–	–	–	EE	EE	ME	HP1–(7,9,11) 1 1/4"C.– 3 # 2 & 1 # 8 GROUND	SEE NOTE # M11	PROVIDE 120V CONVENIENCE RECEPT. 100A MOCP
DOAS 3	DINING ROOM ROOF TOP DOAS UNIT 3	ROOF	38.4 MCA	480V 3PH	–	–	–	–	EE	EE	ME	HP1–(13,15,17) 3/4"C. 3 # 6 & 1 & 10 GROUND	SEE NOTE # M11	PROVIDE 120V CONVENIENCE RECEPT. 40A MOCP
DOAS 4	DINING ROOM ROOF TOP DOAS UNIT 4	ROOF	38.4 MCA	480V 3PH	–	–	–	–	EE	EE	ME	HP1–(19,21,23) 3/4"C. 3 # 6 & 1 & 10 GROUND	SEE NOTE # M11	PROVIDE 120V CONVENIENCE RECEPT. 40A MOCP
EF 1	EXHAUST FAN	ROOF	1/2 HP	120V 1PH	–	–	–	–	–	–	–	KP2–51 1/2"C. 2 # 12 & 1 & 12 GROUND	ME	6.3 FLA, SEE NOTE M10
EF 2	EXHAUST FAN	ROOF	3 HP	480V 3PH	–	–	–	–	–	–	–	HP1–(37,39,41) 1/2"C. 3 # 12 & 1 & 12 GROUND	ME	WIRE TO HOOD CONTROL PANEL REFER TO CAPTIVAIRE DRAWINGS
EF 3	EXHAUST FAN	ROOF	2 HP	480V 3PH	–	–	–	–	–	–	–	HP1–(43,45,47) 1/2"C. 3 # 12 & 1 & 12 GROUND	ME	WIRE TO HOOD CONTROL PANEL REFER TO CAPTIVAIRE DRAWINGS
EF 4	EXHAUST FAN	ROOF	3/4 HP	480V 3PH	–	–	–	–	–	–	–	HP1–(8,10,12) 1/2"C. 3 # 12 & & 12 GROUND	ME	WIRE TO HOOD CONTROL PANEL REFER TO CAPTIVAIRE DRAWINGS
EF 5	EXHAUST FAN	FIRST FLOOR WOMEN'S RR	1/4 HP	120V 1PH	–	–	–	–	–	–	–	LP1–21 1/2"C. 2 # 12 & 1 # 12 GROUND	20A 1P	WIRE THRU LIGHTING RELAY TO OPERATE WHEN BUILDING OPEN
EF 6	EXHAUST FAN	FIRST FLOOR MEN'S RR	1/4 HP	120V 1PH	–	–	–	–	–	–	–	LP1–21 1/2"C. 2 # 12 & 1 # 12 GROUND	20A 1P	WIRE THRU LIGHTING RELAY TO OPERATE WHEN BUILDING OPEN
EF 7	EXHAUST FAN	FIRST FLOOR MOP SINK	42 W	120V 1PH	–	–	–	–	–	–	–	LP1–23 1/2"C. 2 # 12 & 1 # 12 GROUND	20A 1P	WIRE THRU LIGHTING RELAY TO OPERATE WHEN BUILDING OPEN
EF 8	EXHAUST FAN	ELEC ROOM ROOF	1/4 HP	120V 1PH	–	–	–	–	–	–	–	LP1–23 1/2"C. 2 # 12 & 1 # 12 GROUND	20A 1P	THERMOSTATIC CONTROL
RH 1–6	ELECTRIC HEATER ON PATIO	PATIO	6 KW	277V 1PH								SEE PLAN HP1–25,27,29,31,33,35 3/4"C. – 5 # 8 & 1 # 8 GROUND (3 SETS)	30A 1P WP EACH	SEE NOTE # M12
EWUH 1	ELECTRIC WALL UNIT HEATER	EMPLOYEE RR MEN	4.8 KW	277V 1PH	–	EE	–	–	–	–	–	HP1–26 3/4"C. 2 # 10 & & 10 GROUND	30A 1P	
EWUH 2	ELECTRIC WALL UNIT HEATER	SPRINKLER ROOM	4.8 KW	277V 1PH	–	EE	–	–	–	–	–	HP1–28 3/4"C. 2 # 10 & 1 & 10 GROUND	30A 1P	
ECUH 1	ELECTRIC CEILING UNIT HEATER	CARRY OUT	4 KW	277V 1PH	–	EE	–	–	–	–	–	HP1–30 3/4"C. 2 # 10 & 1 & 10 GROUND	30A 1P	
RCP 1	RECIRUCLATION PUMP	KITCHEN	1/8 HP	120V 1PH	–	EE	–	–	–	–	–	KP2–43 3/4"C. 2 # 12 & 1 & 12 GROUND	20A 1P	1.76 A
WH 1	WATER HEATER	KITCHEN	5 A	120V 1PH	–	EE	–	–	–	–	–	KP2–70 3/4"C. 2 # 12 & 1 & 12 GROUND	20A 1P	
WH 2	WATER HEATER	KITCHEN	5 A	120V 1PH	–	EE	–	–	–	–	–	KP2–72 3/4"C. 2 # 12 & 1 & 12 GROUND	20A 1P	

MOTOR SCHEDULE NOTES:

M1. REFER TO MECHANICAL DRAWINGS FOR EXACT SIZE, LOCATION, AND ELECTRICAL REQUIREMENTS FOR ALL MOTORS AND MECHANICAL EQUIPMENT. COORDINATE WITH MECHANICAL CONTRACTOR AND PROVIDE ELECTRICAL CONNECTIONS AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.

M2. 'ME' DENOTES EQUIPMENT FURNISHED UNDER DIVISION 15; INSTALLED AND WIRED UNDER DIVISION 16.

M3. 'EE' DENOTES EQUIPMENT FURNISHED, INSTALLED AND WIRED UNDER DIVISION 16.

M4. VERIFY CONTROL REQUIREMENTS OF ALL 3 PHASE MOTORS WITH MECHANICAL AND CONTROL CONTRACTORS. ALL MOTORS STARTED BY AUTOMATIC DEVICES OR INTERLOCKED TO START WITH OTHER MOTORS SHALL BE PROVIDED WITH HAND–OFF–AUTO SELECTOR SWITCHES. ALL MOTORS WITH MANUAL CONTROL ONLY SHALL BE PROVIDED WITH STOP–START PUSHBUTTONS.

M5. CONTROL PANEL (INCLUDING STARTERS, ALARMS, ETC.) AND INTERLOCK CONTROL WIRING SHALL BE FURNISHED AND INSTALLED BY EQUIPMENT SUPPLIER. POWER WIRING SHALL BE PROVIDED BY THIS CONTRACTOR.

M6. CONTRACTOR SHALL COORDINATE ALL WORK WITH ARCHITECT, GENERAL CONTRACTOR, ETC. AND WORK OF ALL OTHER TRADES.

M7. 'AE' DENOTES EQUIPMENT FURNISHED BY ACCUREX, INSTALLED BY MECHANICAL CONTRACTOR AND WIRED ELECTRICAL CONTRACTOR.

M8. WIRE THROUGH HOOD CONTROL PANEL, REFER TO MECHANICAL AND HOOD VENDOR DRAWING FOR EXACT WIRING REQUIREMENTS.

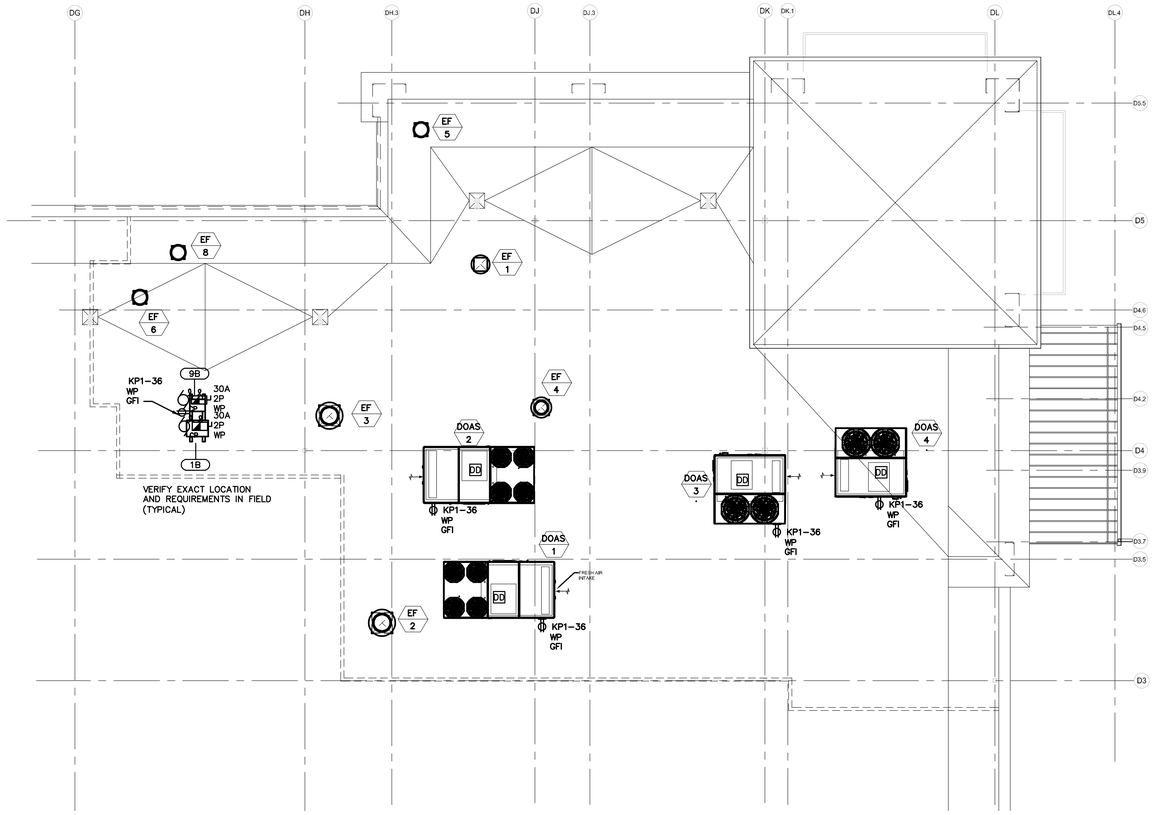
M9. DISCONNECT SWITCH FURNISHED AND INSTALLED ON ACCUREX EQUIPMENT, EC TO PROVIDE FINAL CONNECTION.

M10. DISH FAN EXHAUST. WIRE THRU CONTACTS ON DISH MACHINE TO RN WHEN DISH MACHINE IS ACTIVE. SEE DETAIL 1, THIS SHEET.

M11. NEW RTUS FURNISHED BY CAPTIVE AIR, INSTALLED BY MECHANICAL CONTRACTOR AND WIRED BY ELECTRICAL CONTRACTOR. FURNISHED WITH DISCONNECT. EC TO PROVIDE ALL INTERLOCK AND CONTROL WIRING. REFER TO CAPTIVE AIR DRAWINGS IN MECHANICAL SET FOR INTERLOCK REQUIREMENTS.

M12. CONTRACTOR SHALL FURNISH AND INSTALL (6) BROMIC HEATING # BH042033 277V 1PH TUNGSTEN HEATERS MOUNTED AT 10' AND SUSPENDED FROM STRUCTURE ABOVE. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING DETAILS. ENSURE 3' CLEARANCE FROM ALL LIGHTING FIXTURES, FAN BLADES, SPRINKLER HEADS AND OTHER WALL OR CEILING ELEMENTS.

PROVIDE BROMIC BH0420033–277V TUNGSTEN ELECTRIC 6000W HEATER BLACK (277V) @ 21.7 A EACH (6 TOTAL) PROVIDE (3) BROMIC BH3130062 2 CHANNEL DIMMER CONTROL WITH APP CONTROL. REFER TO WIRING DIAGRAM THIS SHEET. MOUNT EACH CONTROLLER WITHIN 30'.



ROOF PLAN – ELECTRICAL

SCALE: 1/8"=1'–0"

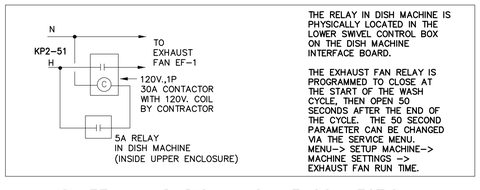
NORTH

0' 8' 16' 24' 32'

REFER TO MOTOR EQUIPMENT SCHEDULE ON THIS SHEET

ROOF NOTES

1. REFER TO MECHANICAL DRAWING FOR EXACT SIZE AND LOCATION OF ALL MECHANICAL EQUIPMENT. PROVIDE ELECTRICAL SERVICE AS REQUIRED.
2. ALL ELECTRICAL EQUIPMENT LOCATED ON THE ROOF SHALL BE WEATHERPROOF.
3. THIS CONTRACTOR SHALL PROVIDE 120V POWER WIRING AND FIRE ALARM MONITORING TO CAPTIVE AIR FURNISHED AND INSTALLED DUCT MOUNTED SMOKE DETECTORS IN ROOF TOP UNITS. WIRE DUCT DETECTOR TO SHUTDOWN UNIT UPON ACTIVATION. INSTALL IN ACCORDANCE WITH NFPA 72 AND 90A. PROVIDE A REMOTE TEST/INDICATING STATION WITH AUDIBLE/VISUAL ANNUNCIATION DEVICE FOR EACH DETECTOR. TIE DUCT SMOKE DETECTORS INTO FIRE ALARM SYSTEM.
4. DO NOT RUN CONDUIT ACROSS ROOF. RUN IN CEILING SPACE BELOW AND PROVIDE ROOF PENETRATIONS AS REQUIRED OR ROUTE THROUGH MECHANICAL PENETRATIONS WHERE PROVIDED FOR CONDUIT ENTRY.



THE RELAY IN DISH MACHINE IS PHYSICALLY LOCATED IN THE LOWER SWIVEL CONTROL BOX ON THE DISH MACHINE INTERFACE BOARD.

THE EXHAUST FAN RELAY IS PROGRAMMED TO CLOSE AT THE START OF THE WASH CYCLE. THEN OPEN 50 SECONDS AFTER THE END OF THE CYCLE. THE 50 SECOND PARAMETER CAN BE CHANGED VIA THE SERVICE MENU. MENU–> SETUP MACHINE–> MACHINE SETTINGS –> EXHAUST FAN RUN TIME.

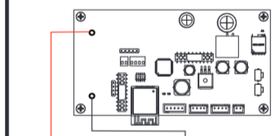
1 EF–1 AND DISH MACHINE CONNECTION
NTS

WIRING BY ELECTRICAL CONTRACTOR

BROHMIC BH3130062 WIRING DIAGRAM

WIRING DIAGRAM FOR SMART-HEAT CONTROL DIMMER 2CH

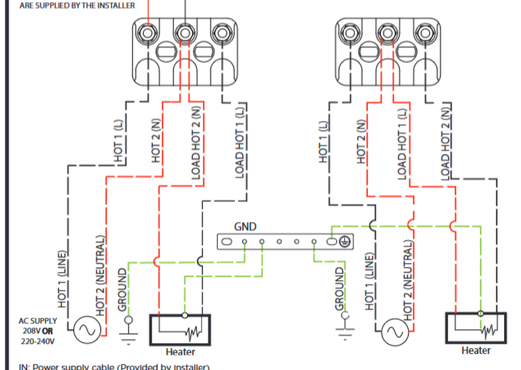
- Connect power source and heater to stud using M6 ring terminals as displayed. The ring terminals must be UL certified and tightened to 6-7Nm (4.5-5.2 ft-lbs).
- Connect ground to internal busbar with fasteners provided. Tighten with max torque 3Nm (2.22 ft-lbs).
- Front cover screw to be tightened with torque of 1.7Nm (1.26 ft-lbs).
- Note diagrams are illustrated with US conventions (IEC conventions).
- Channel 1 must be wired to power the main circuit board.
- The supply circuit must include an isolation switch and/or circuit breaker in accordance with local electrical regulations. In the US, a 2 pole isolation switch and/or circuit breaker must be installed for 2 phase electrical supplies.



WARNING Control MUST be permanently installed and hard wired by an authorized/licensed electrical technician.

IMPORTANT The maximum current rating for each terminal is 30A

If you intend to use 1 power circuit, ensure that the incoming cable is split in an external junction box and the supply is capable of providing the required load for both channels simultaneously.



IN: Power supply cable (Provided by Installer)
Power supply voltage and capacity must be confirmed to suit rating of heaters connected to controller.
OUT: Power cable from heater
Check the heater type, rating, load distribution, and the maximum amperage capacity per controller channel (6kW per channel/refer to page 15 of manual).
Tighten cable glands with torque of 8Nm (6 ft-lbs).

ISSUE FOR PERMIT

NO	DATE	DESCRIPTION
1	04.25.25	ISSUE FOR PERMIT
	05.14.25	PERMIT REVISION # 1

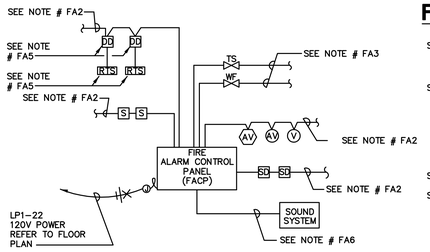
STATE OF MISSOURI
GREGORY L. DOFFIN
NUMBER PE-2010023305
PROFESSIONAL ENGINEER
SIGNATURE
05/14/2025 DATE
12/31/2025 EXPIRATION DATE
CERTIFICATION:

ANCHO & AGAVE
SUMMIT FAIR SHOPPING CENTER
D-BUILDING
860-A NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086

CARR WARNER ARCHITECTS
ARCHITECTURE
INTERIORS
PLANNING
3711 N. RAVENSWOOD
SUITE #104
CHICAGO, ILLINOIS 60613
p 773-477-9069
f 773-477-6888
www.carrwarner.com

ROOF PLAN - POWER AND MECH EQUIPMENT SCHEDULES

JOB NO:	SHEET NO:
ANCHO - SUMMIT FAIR	E0.5
DATE: 04.25.2025	



FIRE ALARM SYSTEM NOTES

S1. ALL FIRE ALARM WIRING SHALL BE IN CONDUIT (3/4" MINIMUM) HOWEVER 1/2" CONDUIT IS ALLOWED FROM CEILING SPACE DOWN TO INDIVIDUAL WALL MOUNTED DEVICE.

S2. MAKE FINAL CONNECTION TO ALL WATER FLOW AND TAMPER SWITCHES AS REQUIRED. EXISTING WATERFLOW AND VALVE SUPERVISORY SWITCH ARE TO BE MONITORED SEPARATELY BY AN ADDRESSABLE DEVICE. VALVE SUPERVISORY SWITCHES ARE TO BE PROGRAMMED AS SUPERVISORY TYPES. WATERFLOW SWITCHES ARE TO BE PROGRAMMED AS ALARM TYPES. REFER TO FIRE PROTECTION DRAWINGS FOR EXACT QUANTITY AND LOCATION OF NEW AND EXISTING VALVE SUPERVISORY/FLOW SWITCHES.

S3. ALL BY-PASS PROCEDURES MUST FOLLOW NFPA SUPERVISION GUIDELINES.

S4. WIRING REQUIREMENTS ARE AS FOLLOWS:

A. MAXIMUM OF 10 STROBES PER CIRCUIT
B. MAXIMUM OF 20 SPEAKERS PER CIRCUIT
C. MAXIMUM OF 20 HORNS
D. MAXIMUM OF 99 INITIATING DEVICES PER CIRCUIT.
E. MAXIMUM 5 WATER FLOWS PER CIRCUIT
F. MAXIMUM 20 SUPERVISORY SWITCHES PER CIRCUIT.
G. # 14 GA. STRANDED THHN SHIELDED COPPER WIRE.

S5. SUBMIT FIRE ALARM SYSTEM DRAWINGS TO THE CITY FOR APPROVAL & COMPLY WITH ALL THEIR REQUIREMENTS PRIOR TO INSTALLATION.

S6. INTERFACE FIRE ALARM SYSTEM WITH A/V SOUND SYSTEM TO OVERRIDE SPEAKER OUTPUTS AND SHUT OFF SOUND/AV SPEAKERS.

S7. SHOP DRAWING SUBMITTALS SHALL INCLUDE PLAN DRAWINGS INDICATING CANDELA RATING OF ALL VISUAL DEVICES. VISUAL DEVICES SHALL BE SET AT A MINIMUM OF 30cd RATING FOR AREAS LARGER THAN 20'X20', SETTING SHALL BE PER NFPA 72-1.5.2.5

S8. FAILURE OF AUDIO AND/OR TONE GENERATING EQUIPMENT AND/OR POWER SUPPLIES SHALL RESULT IN A TROUBLE SIGNAL IN ACCORDANCE WITH NFPA 72-5.8.6.

S9. ALL SMOKE DETECTORS SHALL BE HARDWIRED WITH A 6'-0" LONG FLEXIBLE WHIP.

S10. PROVIDE END LINE RESISTORS AT END OF EACH CIRCUIT/ZONE UTILIZING CLASS B WIRING.

S11. SMOKE DETECTORS SHALL NOT BE LOCATED IN THE DIRECT AIR FLOW OR WITHIN 3'-0" OF AIR SUPPLY DIFFUSER.

S12. MORE THAN TWO VISUAL DEVICES IN THE SAME FIELD OF VIEW SHALL BE SYNCHRONIZED.

S13. COORDINATE FINISHES OF ALL WALLS AND EXACT SCOPE OF REPAIR WORK WITH CONSTRUCTION MANAGER.

S14. PROVIDE A SMOKE DETECTOR AT EACH FACP AND NAC PANEL LOCATION.

S15. MANUFACTURER'S REPRESENTATIVE SHALL PERFORM ALL BATTERY CALCULATIONS AND PROVIDE ADDITIONAL BATTERY SIGNAL CIRCUIT PANEL(S) AS REQUIRED TO SUPPORT THE NEW DEVICES INDICATED.

FIRE ALARM RISER NOTES:

FA1. ALL FIRE ALARM WIRING SHALL BE IN CONDUIT (3/4" MINIMUM).

FA2. REFER TO PLAN DRAWINGS FOR EXACT LOCATION & QUANTITY.

FA3. MAKE FINAL CONNECTION TO ALL ALARM BELLS, WATER FLOW & TAMPER SWITCHES AS REQUIRED. REFER TO FIRE PROTECTION SYSTEM DRAWINGS FOR EXACT LOCATION AND QUANTITY OF DEVICES. WATER FLOW SWITCHES, TAMPER SWITCHES SHALL BE PROVIDED UNDER ANOTHER DIVISION OF THE WORK.

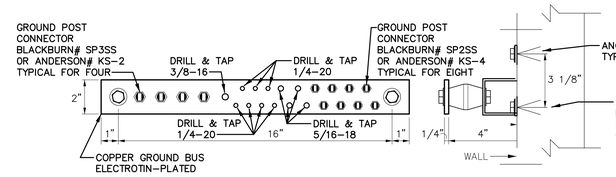
FA4. SUBMIT FIRE ALARM SYSTEM DRAWINGS TO THE CITY FOR APPROVAL & COMPLY WITH ALL THEIR REQUIREMENTS.

FA5. WIRE DUCT SMOKE DETECTORS TO REMOTE TEST SWITCH (RTS) COORDINATE LOCATION OF TEST SWITCH WITH OWNER AND LOCAL CODE AUTHORITY.

FA6. CONTRACTOR SHALL PROVIDE AN SHUNT TRIP INTERFACE FROM THE FIRE ALARM SYSTEM AND THE SOUND SYSTEM TO MUTE / TURN OFF POWER TO THE SOUND SYSTEM UPON ACTIVATION OF THE FIRE ALARM SYSTEM. CONTRACTOR SHALL COORDINATE WITH SOUND SYSTEM VENDOR (PLAY NETWORK) FOR EXACT INTERFACE REQUIREMENTS FOR A COMPLETE AND OPERABLE OVERRIDE SYSTEM.

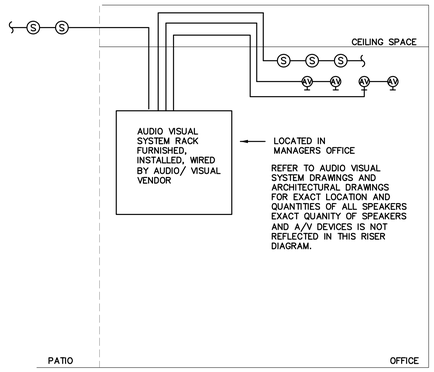
1 FIRE ALARM SYSTEM DETAILS AND NOTES

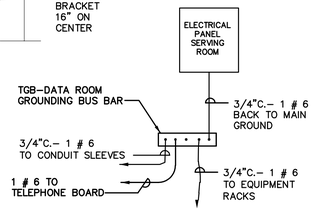
NOT TO SCALE



TGB GROUNDING BUS BAR DETAIL(TMGB)

NO SCALE





IT RACK GROUND RISER

NO SCALE

NOTES:

1. CONDUIT SHALL BE EMT WITH A GROUNDING BUSHING AT EACH TGB, GROUNDING CABINET. BOND THE CONDUIT TO THE GROUND BUS WITH A #6 GROUND CONDUCTOR.
2. FURNISH AND INSTALL ALL GROUND LUGS, GROUNDING BUSHINGS, GROUND POST CONNECTORS AND GROUND CONDUCTORS AS REQUIRED.

A/V SYSTEM RISER DIAGRAM

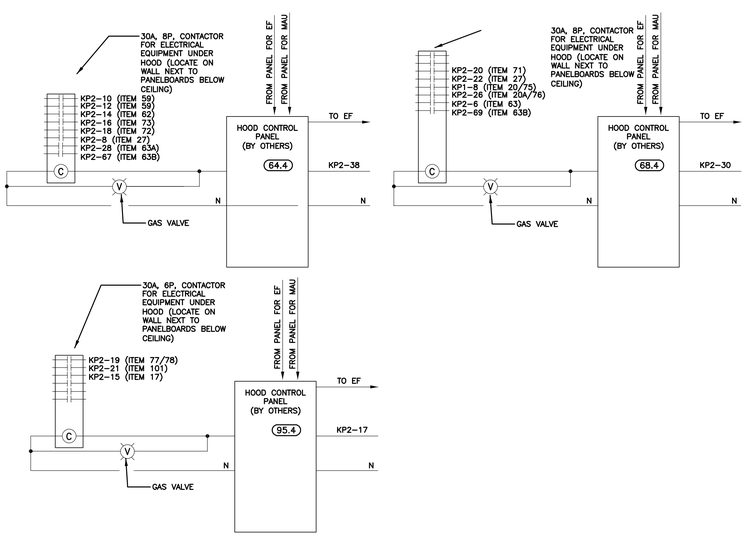
NO SCALE

NOTES

1. VERIFY EXACT QUANTITY OF DEVICES ON PLAN DRAWINGS AND IN THE FIELD.
2. PROVIDE A COMPLETE CONDUIT BACKBOX AND RACEWAY SYSTEM FOR A/V AND SOUND SYSTEM INSTALLATION. ALL CONDUIT SHALL BE 3/4" UNLESS SPECIFICALL NOTED OTHERWISE.
3. INTERFACE FIRE ALARM SYSTEM WITH A/V SOUND SYSTEM TO OVERRIDE SPEAKER OUTPUTS AND SHUT OFF SOUND/AV SPEAKERS.

2 AUDIO / VISUAL RISER AND IT GROUNDING DETAILS

NOT TO SCALE



ELECTRICAL GENERAL NOTE

A. ALL ELECTRICAL EQUIPMENT LOCATED UNDER HOOD AND HOOD MAKE-UP AIR SUPPLY IS REQUIRED TO SHUTDOWN ON ACTIVATION OF FIRE SUPPRESSION SYSTEM, EXHAUST FAN IS TO REMAIN ON. IF FIRE SUPPRESSION SYSTEM ACTIVATES WHILE HOOD IS NOT IN OPERATION, EXHAUST FAN IS REQUIRED TO BEGIN OPERATION WITH ALL POWER UNDER HOOD AND MAKE-UP AIR TO REMAIN SHUT-DOWN.

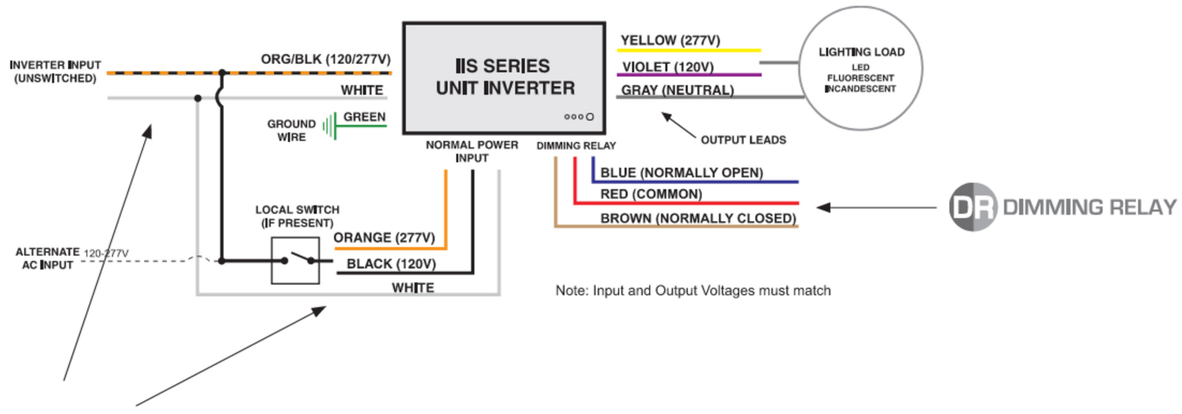
NOTES:

1. ELECTRICAL CONTRACTOR SHALL PROVIDE CONTACTORS AND ALL INTERLOCK WIRING. COORDINATE EXACT TERMINATION REQUIREMENTS WITHIN HOOD CONTROL PANEL AND ANSUL CABINET WITH HOOD MANUFACTURER. REFER TO CAPTIVE AIRE DRAWINGS AND WIRING DIAGRAM ON SHEET H3.1 FOR ADDITIONAL REQUIREMENTS.

3 EXHAUST HOOD SHUT-DOWN WIRING DIAGRAM

NOT TO SCALE

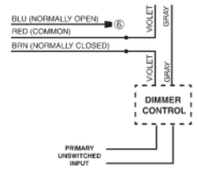
TYPICAL WIRING



Note: Input and Output Voltages must match

Input Leads

The IIS Inverter utilizes two sets of input leads: one to provide unswitched power to the inverter system and a second to serve as a normal power input to the lighting load. Any switch for the designated emergency circuit will be present on the Normal Power Input leads. For Emergency Operation Only applications, the Normal Input leads are not needed and would remain disconnected and capped.



-DR Model Application - Dimmer Bypass

The Dimming Relay contacts provide electrical continuity during normal power conditions allowing your dimming signal to operate the luminaire in the desired, dimmed state. When the inverter transfers into the emergency mode, the dimming relay contacts electrically open the 0-10 dimming reference signal forcing the luminaire to operate at full lumen output regardless of dimmer setting.

LIGHTING INVERTER NOTES:

IN1. ELECTRICAL CONTRACTOR SHALL INSTALL AND WIRE THE CENTRAL INVERTER SYSTEM:

- IOTA # IIS-125 HE CG FOR INTERIOR DINING LIGHTING. (90VA LOAD)
- IOTA # IIS-125 HE CG FOR BAR LIGHTING. (40VA LOAD)
- IOTA # IIS-125 HE CG FOR EXTERIOR LIGHTING. (40VA LOAD)

IN2. LOCATE UNIT FLUSH IN KITCHEN CEILING ABOVE THE ELECTRICAL PANEL SERVING THEM. CAP ALL UNUSED LEADS. INVERTER SYSTEM SHALL BE WIRED AHEAD OF ALL SWITCHING AND DIMMING MODULES, WITH SWITCHED CIRCUITS WIRED THROUGH INVERTER PER MANUFACTURER DIRECTIONS.

IN3. ELECTRICAL CONTRACTOR SHALL WIRE THROUGH A ON/OFF IN SWITCH BANK IDENTIFY LOAD AS "EMERGENCY/CLEANING LIGHTING ONLY – KEEP OFF". WIRE CONTROLLED CIRCUIT THROUGH INVERTER AND LIGHTING WILL AUTOMATICALLY COME ON TO FULL BRIGHTNESS UPON POWER OUTAGE REGARDLESS OF STATUS OF SWITCH.

4 INVERTER DETAILS

NOT TO SCALE

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	05.14.25	PERMIT REVISION # 1

STATE OF MISSOURI
GREGORY L. DOFFIN
NUMBER PE-2015022305
PROFESSIONAL ENGINEER
SIGNATURE
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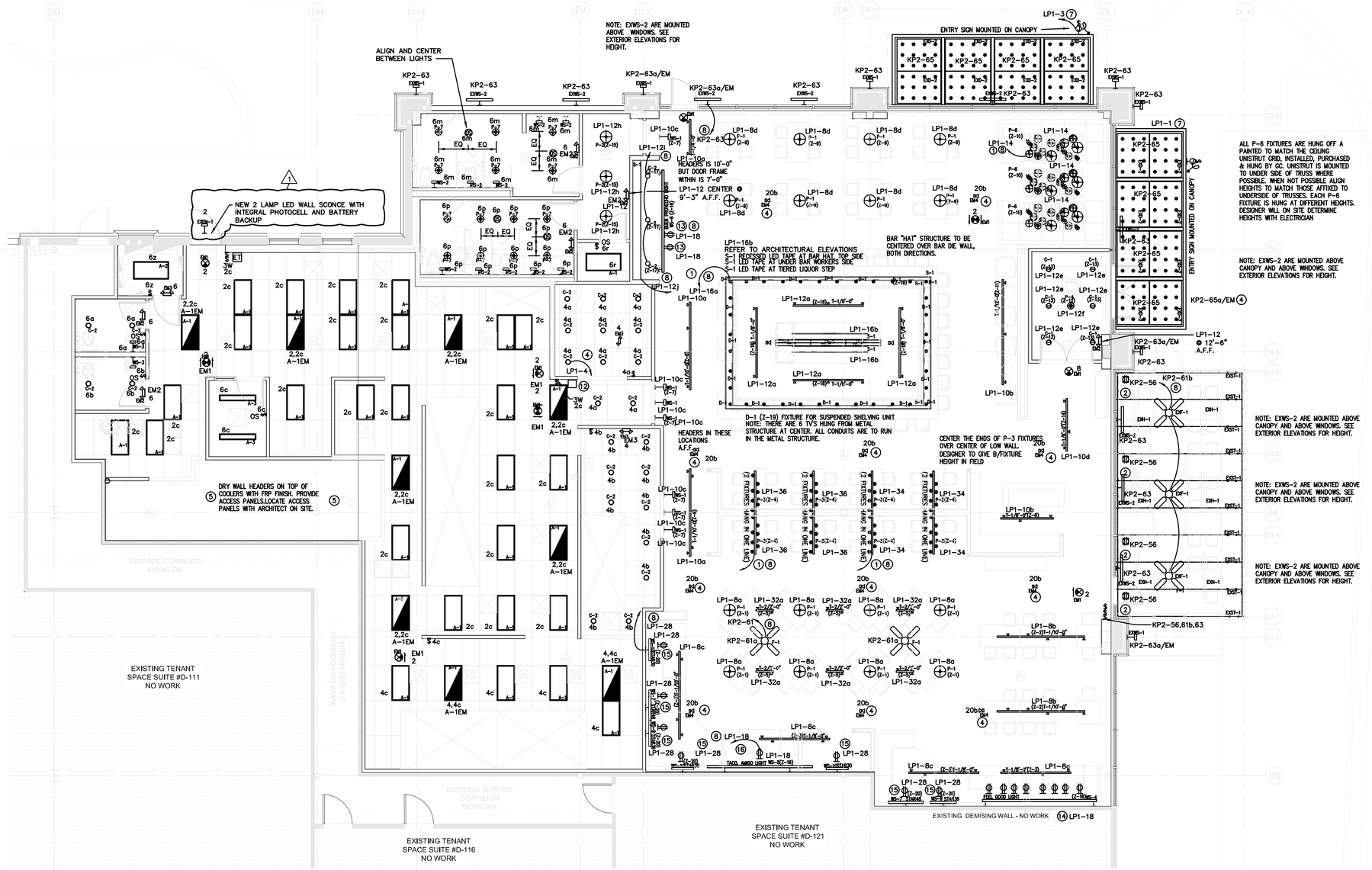
ELECTRICAL DETAILS

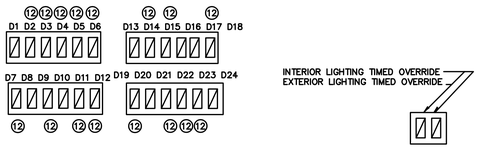
JOB NO:	SHEET NO:
ANCHO - SUMMIT FAIR	E0.6
DATE: 04.25.2025	



FLOOR PLAN – LIGHTING

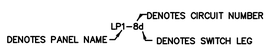
SCALE: 3/16"=1'-0"

0' 4' 8' 12' 16' 20' 24'



SWITCH BANK DETAIL

CONFIRM EXACT DIMMING REQUIREMENTS WITH LIGHT FIXTURES TO BE INSTALLED. PROVIDE ALL WIRING, AND DIMMING SWITCHES REQUIRED FOR A COMPLETE DIMMING SYSTEM. COORDINATE EXACT LOCATION, LAYOUT AND MOUNTING HEIGHTS WITH ARCHITECT AND GENERAL CONTRACTOR PRIOR TO ANY INSTALLATION.



BRANCH CIRCUIT WIRING KEY

PLAN NOTES:

1. COORDINATE EXACT LED RETROFIT LAMP TYPE BEING PROVIDED WITH OWNER FOR DIMMING REQUIREMENTS. DEPENDING ON IN RUSH MULTIPLE DIMMING ZONES MAY BE REQUIRED. IF SINGLE DIMMING ZONE WORKS WITH IN RUSH PROVIDE A LUTRON # PHPM-PA PHASE ADAPTIVE RELAY WITH DIMMER SWITCH (120V, 1PH., 16A RATED).
2. PROVIDE WP, GFCI RECEPTACLE AT TRUSS FOR STRING LIGHTING (EXST-1). COORDINATE PRIOR TO ROUGH IN. WITH WEATHERPROOF WHILE IN USE COVER.
3. REMOTE DIMMER SWITCHES FOR PATIO LIGHTS.
4. FIXTURE TAGGED WITH AN "EM" DENOTES FIXTURE IS A EMERGENCY LIGHTING FIXTURE WIRED THROUGH A CENTRAL EMERGENCY LIGHTING INVERTER. REFER TO SHEET E0.2 FOR EM LOAD CONTROLLER SCHEDULE
5. WIRE EXTERIOR LIGHTING THROUGH LIGHTING CONTACTOR. REFER TO LIGHTING CONTACTOR DETAIL ON SHEET E0.2.
6. CONNECT EMERGENCY LIGHTS AND EXIT SIGNS AHEAD OF ANY DIMMERS OR SWITCHES. TIE TO BRANCH CIRCUIT SERVING AREA AHEAD OF ALL LOCAL CONTROLS. PROVIDE LOCK ON DEVICE (PER ARTICLE 700.12(F) OF THE ELECTRICAL CODE.
7. CONNECT TO BUILDING SIGN AS REQUIRED. VERIFY LOCATION AND REQUIREMENTS WITH SIGN MANUFACTURER. WIRE THRU LIGHTING CONTACTOR. SEE ARCHITECTURAL EXTERIOR ELEVATION FOR SIGN LOCATION.
8. WIRE THROUGH TIME CLOCK AND LOCAL SWITCH BANK. REFER TO SHEET E0.2 FOR ADDITIONAL INFORMATION.
9. REMOTE SWITCH FOR EXTERIOR PATIO FAN. COORDINATE EXACT LOCATION IN FIELD.
10. PROVIDE FINAL CONNECTION TO COOLER LIGHTING. REFER TO SHEET E0.4 AND E2.2 FOR ADDITIONAL INFORMATION. RECEIVE, INSTALL AND WIRE COOLER LIGHTING COMPLETE. LIGHTING FURNISHED WITH KITCHEN EQUIPMENT.
11. AWNING POWER RECEPTACLE @ 12 '-4" A.F.F.. VERIFY LOCATION AND REQUIREMENTS WITH ARCHITECT IN FIELD
12. PROPOSED SWITCHBANK LOCATION. COORDINATE WITH OWNER IN FIELD.
13. RECEPTACLE AT 10'-6" TO CENTER FOR INTERIOR BUENO PROVENCHO SIGN. COORDINATE EXACT LOCATION IN FIELD WITH ARCHITECT PRIOR TO INSTALL AS SPECIFIC DIMENSIONS REQUIRED FOR SIGNAGE INSTALLATION. REFER TO ARCHITECTURAL DETAIL 2/A10.1 FOR ADDITIONAL INFORMATION.
14. FEEL GOOD SIGN. PROVIDE EIGHT RECEPTACLES FOR INTERIOR FEEL GOOD SIGN (ONE PER LETTER). COORDINATE EXACT LOCATION IN FIELD WITH ARCHITECT PRIOR TO INSTALL AS SPECIFIC DIMENSIONS REQUIRED FOR SIGNAGE INSTALLATION. REFER TO ARCHITECTURAL DETAIL 2/A10.1 FOR ADDITIONAL INFORMATION.
15. STAR SIGN. PROVIDE SEVEN RECEPTACLES FOR INTERIOR STAR SIGNS (ONE PER SIGN). COORDINATE EXACT LOCATION IN FIELD WITH ARCHITECT PRIOR TO INSTALL AS SPECIFIC DIMENSIONS REQUIRED FOR SIGNAGE INSTALLATION. REFER TO ARCHITECTURAL DETAIL 2/A10.1 FOR ADDITIONAL INFORMATION.
16. TACOS AMIGOS SIGN. RECEPTACLE FOR INTERIOR TACOS AMIGOS SIGN. COORDINATE EXACT LOCATION IN FIELD WITH ARCHITECT PRIOR TO INSTALL AS SPECIFIC DIMENSIONS REQUIRED FOR SIGNAGE INSTALLATION. REFER TO ARCHITECTURAL DETAIL 3/A10.1 FOR ADDITIONAL INFORMATION.

REFER TO ARCHITECTURAL DRAWINGS A2.1, A2.2 FOR EXACT LOCATIONS, QUANTITIES, AND SPECIFICATIONS OF ALL LIGHTING FIXTURES. DO NOT SCALE ELECTRICAL DRAWINGS FOR LIGHTING LOCATIONS. DO NOT LOCATE LIGHTING FIXTURES BASED ON ELECTRICAL DRAWINGS. COORDINATE EXACT LOCATIONS OF ALL DEVICES WITH ARCHITECT AND GENERAL CONTRACTOR IN FIELD. COORDINATE EXACT LOCATION OF ALL EMERGENCY LIGHTS, SWITCHES AND SENSORS PRIOR TO INSTALLATION.

GENERAL LIGHTING NOTES

L1. CONDITIONS SHOWN ARE BASED ON DRAWINGS PROVIDED BY THE ARCHITECT. CONTRACTOR SHALL ADJUST FOR ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.

L2. COORDINATE ACTUAL LOCATION OF ALL LIGHT FIXTURES WITH ARCHITECTURAL PLANS & LIGHTING DESIGNER PLANS PRIOR TO ROUGH IN. COORDINATE ACTUAL LOCATIONS OF EMERGENCY LIGHTS WITH OWNER AND AHJ PRIOR TO ROUGH IN.

L3. ELECTRICAL CONTRACTOR SHALL PROVIDE A LENS OR SHATTER SHIELD LAMP FOR ALL FIXTURES INSTALLED OVER FOOD SERVICE AND PREPARATION AREAS.

L4. PROVIDE FINAL CONNECTION TO SIGNAGE. COORDINATE LOCATION AND REQUIREMENTS WITH SIGN CONTRACTOR. PROVIDE WEATHERPROOF LOCAL DISCONNECT SWITCH MOUNTED IN INCONSPICUOUS LOCATION. EACH SIGN CIRCUIT SHALL HAVE SEPARATE NEUTRAL AND SEPARATE EQUIPMENT GROUND CONDUCTORS.

L5. 20A 120V BRANCH CIRCUITS ROUTED UNDER 75' SHALL BE # 12 AWG CONDUCTORS WITH # 12 GROUND WIRE. 20A 120V BRANCH CIRCUITS ROUTED 76' – 125' SHALL BE # 10 AWG CONDUCTORS WITH # 10 GROUND WIRE. 20A 120V BRANCH CIRCUITS ROUTED 126' – 175' SHALL BE # 8 AWG CONDUCTORS WITH # 8 GROUND WIRE. 20A 120V BRANCH CIRCUITS ROUTED OVER 176" SHALL BE # 6 AWG CONDUCTORS WITH # 6 GROUND WIRE.

L6. CONDUIT AND CIRCUIT ROUTING SHOWN ARE SCHEMATIC AND DIAGRAMMATIC ONLY. FIELD DETERMINE EXACT CIRCUIT ROUTING AND PROVIDE ALL NECESSARY CONDUCTORS, CONDUIT, FITTINGS, JUNCTION BOXES, ETC. AS REQUIRED.

L7. CONFIRM EXACT MOUNTING METHOD OF ALL LIGHT FIXTURES AND PROVIDE ALL NECESSARY HARDWARE.

L8. ALL WALL–MOUNTED FIXTURES SHALL BE MOUNTED AT HEIGHT SHOWN ON ARCHITECTURAL ELEVATIONS.

L9. CONFIRM EXACT LOCATION OF ALL SWITCHES PRIOR TO ROUGH–IN AND MAKE NECESSARY ADJUSTMENTS.

L10. REFER TO SHEET E0.3 AND ARCHITECTURAL DRAWINGS A2.1, A2.2 FOR LIGHTING FIXTURE SCHEDULE.

L11. CONTRACTOR SHALL COORDINATE WITH OWNER VENDOR FOR THE PROVISION OF ALL NECESSARY MOUNTING HARDWARE, FITTINGS, CONNECTORS, PENDANT FEEDS, END CAPS, DRIVERS, TRANSFORMERS ETC. FOR A COMPLETE AND OPERABLE LED LIGHTING SYSTEM.

L12. CONTRACTOR SHALL SUPPLY WET LOCATION ELECTRICAL BOX FOR ALL DRIVERS FOR EXTERIOR LIGHTING.

L13. ALL FRONT OF HOUSE FIXTURES TO BE MOUNTED ON UNISTRUT UNLESS NOTED OTHERWISE. COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECT / DESIGNER ON RECORD.

L14. PROVIDE (2) JUNCTION BOXES FOR EACH P–3 FIXTURE PER MANUFACTURE REQUIREMENTS.

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STATE OF MISSOURI
GREGORY L. DOFFIN
NUMBER PE-2015022305
PROFESSIONAL ENGINEER
SIGNATURE
05/14/2025 DATE
12/31/2025 EXPIRATION DATE
CERTIFICATION:

ANCHO & AGAVE
SUMMIT FAIR SHOPPING CENTER
D-BUILDING
860-A NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086

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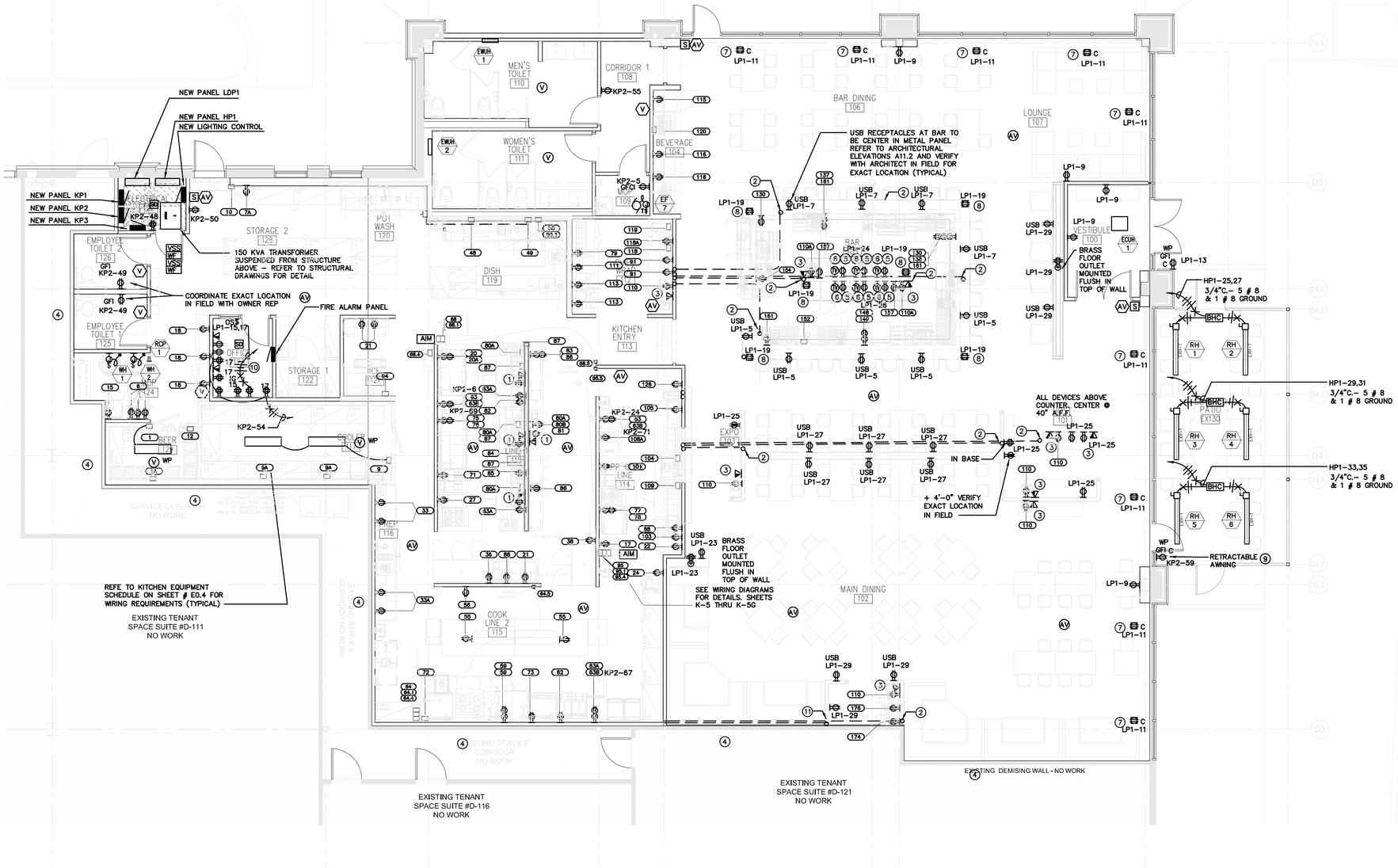
FLOOR PLAN - LIGHTING - FRONT OF HOUSE

JOB NO:	SHEET NO:
ANCHO-SUMMIT FAIR	E1.1
DATE: 04.25.2025	



FLOOR PLAN – POWER AND SPECIAL SYSTEMS

SCALE: 3/16"=1'-0"

0' 4' 8' 12' 16' 20' 24'

NORTH

ALL BAR AND KITCHEN RECEPTACLES SHALL BE GFCI PROTECTED

PROVIDE GFCI PROTECTION IN ACCORDNANCE WITH 2017 NEC 210.8(B)
ALL SINGLE-PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 50 AMPERES OR LESS AND THREE-PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 100 AMPERES OR LESS INSTALLED IN THE FOLLOWNG LOCATIONS SHALL HAVE GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTION FOR PERSONNEL.

(1) BATHROOMS, (2) KITCHENS. (3) ROOFTOPS
EXCEPTION: RECEPTACLES ON ROOFTOPS SHALL NOT BE REQUIRED TO BE READILY ACCESSIBLE OTHER THAN FROM THE ROOFTOP.
(4) OUTDOORS, (5) SINKS – WHERE RECEPTACLES ARE INSTALLED WITHIN 1.8 M (6 FT) FROM THE TOP INSIDE EDGE OF THE BOWL OF THE SINK, (6) INDOOR WET LOCATIONS

GENERAL NOTES:

REFER TO GENERAL NOTES LOCATED ON SHEET # E0.1

1. PROVIDE RECEPTACLE FOR KDS EQUIPMENT. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT MANUFACTURER PRIOR TO ROUGH IN. PROVIDE A 3/4" CONDUIT STUB FROM EACH TELEPHONE AND/OR DATA JACK TO DATA RACK FOR WIRING BY OWNER VENDOR. COORDINATE EXACT LOCATION OF DEVICES WITH OWNER IN FIELD.
2. LOW HEIGHT WALL PROVIDE IN SLAB POWER (3/4"C) AND DATA RACEWAYS (1 1/4"C) TO THIS LOCATION. COORDINATE EXACT LOCATION OF DEVICES WITH OWNER IN FIELD.
3. PROVIDE RECEPTACLE FOR POS EQUIPMENT. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT MANUFACTURER PRIOR TO ROUGH IN. PROVIDE A 3/4" CONDUIT STUB FROM EACH TELEPHONE AND/OR DATA JACK TO DATA RACK FOR WIRING BY OWNER VENDOR. COORDINATE EXACT LOCATION OF DEVICES WITH OWNER IN FIELD.
4. PROVIDE FIRE WRAP OF BOXES IN DEMISING WALL AND FIRE STOP CONDUIT PENETRATIONS.
5. PROVIDE DUPLEX RECEPTACLE FOR TELEVISION LOCATION. COORDINATE IN THE FIELD. PROVIDE ALL BACK BOXES AND EMPTY CONDUITS REQUIRED BY TELEVISION VENDOR FOR A COMPLETE SYSTEM. FEED FROM ABOVE
6. RECEPTACLE AND EMPTY JUNCTION BOX WITH PULL STRING MOUNTED TO TELEVISION SUPPORT POST.
7. PROVIDE SHOW WINDOW DUPLEX RECEPTACLE AT NO MORE THAN 18" ABOVE WINDOW. ROUTE CIRCUIT THROUGH TIMECLOCK CONTROLLED CONTACTOR.
8. RECEPTACLE FOR DECOR MOUNTED IN CEILING OF BAR INSIDE FRAME. COORDINATE EXACT LOCATION IN FIELD WITH ARCHITECT.
9. PROVIDE POWER FOR RETRACTABLE AWNING HIGH ON BEAM. VERIFY EXACT LOCATION AND WIRING REQUIREMENTS IN FIELD.
10. REFER TO SHEET E0-5 FOR LOCATIONS OF ROOF CONDENSING UNITS FOR WALK IN REFRIGERATION.

GENERAL NOTES

A. CONTRACTOR TO RUN POWER TO ROOF TOP EQUIPMENT AND RECEPTACLES. REFER TO MECHANICAL PLANS FOR LOCATIONS.

B. ELECTRICAL CONTRACTOR SHALL VERIFY DIMENSIONAL LOCATIONS FOR OUTLETS WITH KITCHEN SHEETS PRIOR TO INSTALLATION.

C. ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT FOR FIRE ALARM DEVICES AS REQUIRED.

D. ALL RECEPTACLES IN KITCHEN AREA SHALL BE LABELED FOR INTENDED EQUIPMENT USE. LABELS SHALL BE PERMANENTLY AFFIXED. REFER TO ELECTRICAL ROUGH-IN SCHEDULE AND KITCHEN PLANS.

E. REFER TO ARCHITECTURAL ELEVATIONS FOR DINING AREA WIRING DEVICE MOUNTING HEIGHTS AND LOCATIONS.

F. 20A 120V BRANCH CIRCUITS ROUTED UNDER 75' SHALL BE # 12 AWG CONDUCTORS WITH # 12 GROUND WIRE. 20A 120V BRANCH CIRCUITS ROUTED 76' – 125' SHALL BE # 10 AWG CONDUCTORS WITH # 10 GROUND WIRE. 20A 120V BRANCH CIRCUITS ROUTED 126' – 175' SHALL BE # 8 AWG CONDUCTORS WITH # 8 GROUND WIRE. 20A 120V BRANCH CIRCUITS ROUTED OVER 176" SHALL BE # 6 AWG CONDUCTORS WITH # 6 GROUND WIRE.

G. COORDINATE ALL TRENCHING WITH GC TO MINIMIZE FLOOR SLAB CUTTING AND PATCHING

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STATE OF MISSOURI
GREGORY L. DOFFIN
NUMBER PE-2010023305
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FLOOR PLAN - POWER AND SPECIAL SYSTEMS

JOB NO:	SHEET NO:
ANCHO - SUMMIT FAIR	E2.1
DATE: 04.25.2025	

DIVISION 16 – ELECTRICAL
SECTION 16010
GENERAL PROVISIONS

PART 1 – GENERAL

1.01 RELATED DOCUMENTS
A. The General Conditions, Supplementary Conditions, and General Requirements apply to the Work specified in this Section.

1.02 DESCRIPTION
A. This Section defines the General Provisions which are common to all Sections of Division 16.
B. The information in the Specifications and the Plan Drawings are basic facts to follow in determining a reasonable and competitive price for the disciplines intended. The Drawings and Specifications do not necessarily indicate or describe each item necessary for the full performance and completion of the particular work the contractor may be bidding. These documents provide the general intent necessary to inform the contractor of the Owner's desire for the systems required for Electrical. Contractor shall visit the site prior to bidding to become familiar with the existing conditions under which the work shall be performed. Failure to inspect the site will not be considered justification for an adjustment in contract price or failure to perform the work under this contract.
C. Work Included:
1. All electrical work herein specified and/or shown on Drawings unless noted otherwise.
2. Installation shall be complete from location designated by the Electric Utility Company as point of service connection, to the final connection of motors, fixtures, devices, apparatus or pieces of equipment, unless modified by Drawings or these Specifications.
3. The Electrical Drawings and Specifications shall be understood to cover complete operating system. The Drawings and Specifications are to be taken together. Work specified and not shown, or Work shown and not specified shall be performed or furnished as though mentioned in both Drawings and Specifications.
4. Minor items and accessories reasonably inferred as necessary to the complete and proper operation of any system, shall be provided by this Contractor or Subcontractor for such systems.

D. Description of Systems:
1. Complete power wiring from existing landlord utility/wiring to panels, motorized equipment, motors, equipment cabinets, and miscellaneous outlets.
2. General wiring for power, lighting, and miscellaneous systems.
3. Materials and equipment for electrical work.
4. Motor and equipment wiring.
5. General and emergency lighting and power systems.
6. Wiring of equipment furnished by others.
7. Motor and equipment, including Starters if required.
8. Empty conduit stubs and backboxes for telephone system.
9. complete and operable fire alarm system.
10. Power and empty conduit system and backboxes for Owners security system.
11. Power and empty conduit system and backboxes for Owners computer system.
12. All other equipment, material, devices, accessories required and/or shown on the Drawings.
13. Arrange for sources of temporary construction services. Such services shall be nominally 120/208 volt, 3 phase, 4 wire from which a complete system of temporary power and lighting shall be installed for all construction needs and as required by the occupational safety and health departments. (OSHA) Temporary services shall be removed upon completion of work.
14. Cutting, patching, excavation and backfill and concrete work required to complete the work of this section. Backfill shall be compacted to 95% of standard compaction. All existing surfaces shall be patched or replaced to "Like New" conditions.

E. Related work to be completed by others:
1. Telephone system wiring.
2. Computer system wiring.
3. Temperature controls and thermostat wiring.

F. Definitions – As used within the Contract Documents:
1. The term "Contractor" shall be understood to mean the Electrical Contractor or Electrical Subcontractor.
2. "Circuitry" shall mean any electric work (not limited to light and power distribution) which consists of wires, cables, raceways, and/or specialty wiring method assemblies taken all together complete with associated junction boxes, pull boxes, outlet boxes, joints, couplings, splices and connections, except where limited to a lesser meaning by specific description.
3. "Wiring" shall mean the same as Circuitry.
4. "Package Unit" shall mean an item of equipment having one or more motors or other electric energy consuming elements integrally factory mounted on a single base, complete with all associated control devices and interconnecting wiring.
5. "Normal Electric Work Conditions" means locations within building confines which are neither damp, wet, nor hazardous, and which are not used for air handling.
6. "Raceway" shall mean any pipe, duct, extended enclosed, or conduit (as specified for a particular system) which is used to contain wires, and which is of such nature as to require that the wires be installed by a "pulling in" procedure.
7. "Concealed" (as applied to circuitry) means covered completely by building materials, except for penetrations(by boxes or fittings) to a level flush with the surface as necessitated by functional or specified accessibility requirements. Unless directed otherwise, all outlet boxes in walls are to be concealed.

G. Fees and Permits:
1. Obtain all permits and pay all inspection fees required for the complete electrical system.

1.03 QUALITY ASSURANCE
A. Qualifications:
1. Only new products will be acceptable unless otherwise noted.
2. The Electrical Contractor and his Subcontractors shall only employ workmen who are skilled in their respective trades.
3. All equipment, material, fixtures, devices, articles, accessories or products included in the Contract shall be of the exact make, model or catalog number, size, form and of the characteristics specified.

B. Requirements of Regulatory Agencies:
1. All electrical work shall be in accordance with the 2017 National Electrical Code (N.E.C.), and all local ammendments, and other governing bodies which have jurisdiction over this project.
2. Where applicable, all fixtures, equipment and materials shall be as approved or listed by the following agencies:
a. Factory Mutual Laboratories.
b. National Fire Protection Association.
c. Underwriters Laboratories, Inc. (UL)
d. National Electrical Manufacturers Association (NEMA)
e. Americans with Disabilities Act (ADA)

C. Allowable Tolerances:
1. Review Architectural, Structural and Mechanical Drawings for all dimensions, locations, partitions and walls, structural details, and location of mechanical pipes and ducts so that the electrical installation shall be in harmony with that of the other trades.
2. Exact size, location, and electrical requirements of equipment furnished by other trades and wired by this Contractor shall be obtained from the Drawings of the other trades.

1.04 SUBMITTALS
A. Shop drawings for all fixtures, equipment, materials, etc., shall be submitted as specified in Division 1.
B. Installation, maintenance and operating manuals and instructions for all equipment shall be provided as specified in Division 1.

1.05 APPROVAL DRAWINGS
A. Prepare and submit for approval to local code authorities such additional electrical drawings, diagrams, and specifications as are required by:
1. Local Fire Prevention Bureau
2. Local Building Department – Electrical Inspection Section
3. Local Utility Company Metering Department

1.06 EXAMINATION OF THE SITE
A. All Contractors submitting proposals for this work are requested to visit the existing site. Failure to visit the existing site will in no way relieve the successful bidder from the necessity of furnishing any materials or performing any work that may be required to complete work in accordance with Drawings and Specifications without additional cost to the Owner.

1.07 PRODUCT DELIVERY, STORAGE, AND HANDLING
A. Exercise care in transporting and handling to avoid damage to fixtures, equipment and materials.
B. Store materials on the site so as to prevent damage.
C. Keep fixtures, equipment and materials clean, dry and free from deleterious conditions.
D. Where items of electrical equipment and/or materials are furnished by others for installation by Electrical Contractor, Electrical Contractor will be held responsible for the unloading of such equipment and/or materials from the delivery truck. He shall check equipment and/or materials upon receipt and notify party furnishing item of any damaged or missing equipment. He shall coordinate installation with Contractor providing equipment.

1.08 GUARANTEE
A. Provide one year guarantee for all fixtures, equipment, materials and workmanship, upon final acceptance by Owner.

PART 2 – PRODUCTS

2.01 MATERIALS
A. Refer to individual Sections of Division 16.

PART 3 – EXECUTION

3.01 INSTALLATION/APPLICATION/PERFORMANCE/ERECTION
A. Excavating and Backfilling:
1. The Electrical Contractor shall do all excavating and backfilling required for the installation of any and all parts of his work requiring excavation. He shall also do all sheathing and bracing required for the installation of his work. He shall provide and operate pumping equipment, if required, to keep the trenches free of standing water. All work shall comply with requirements given architectural specifications.
2. The above shall include all excavation of every character, including rock, if encountered. Contractor shall visit the premises and determine for himself, by actual observations, boring, or other means, the nature of the soil conditions. The cost of all such inspections, boring, etc., shall be borne by the Contractor.
3. All excavations are to be so conducted that no walls or footings shall be disturbed or injured in any way.
4. Remove all surplus earth not needed for filling and dispose of same as specified under given architectural specifications.
5. All backfilling shall be thoroughly tamped and settled in a manner as is proper for the particular type of work.
6. Where it is necessary to install work in or across roads, pavements, curbs, sidewalks, etc., this Contractor shall restore the present construction to its original or better condition if disturbed by his operation at no additional cost to the Owner.

B. Application, Installation:
1. In the event that conflicts, if any, cannot be settled rapidly and amicably between the affected trades, with work proceeding in a workmanlike manner, then the Architect/Engineer shall decide which work is to be relocated and his judgement shall be final and binding on this Contractor.
2. No measurements of a Drawing by scale shall be used as a dimension to work by. The Drawings are not intended to show complete or accurate details of the building in every respect. Exact locations and relations are to be defined in the field and shall be satisfactory to the Architect/Engineer. This Contractor shall take all field measurements and shall be responsible therefore.
3. Compare Drawings and Specifications, checking all measurements and determine intent of Contract Documents. Discrepancies shall be brought to the Architect/Engineer's attention for interpretation prior to any installation.
4. The right is reserved to make any reasonable change in location of outlets and equipment prior to roughing–in without involving additional expense. Any change from the Electrical Drawings as is necessary to make the work of this Contractor conform to the building as constructed and to fit the work of other trades shall be included in Contractor's Contract and installed without extra cost.

3.02 FIELD QUALITY CONTROL
A. Testing:
1. After wires are in place and connected to devices and equipment, the system shall be tested for shorts and grounds.
2. All hot wires, if shorted or grounded, shall be removed and replaced.
3. A voltage test shall be made at the last outlet on each circuit. If drop in potential is excessive, Contractor will be required to correct the condition by locating partly grounded conductor or high resistance splice.
4. All grounds, shorts and high resistance splices shall be rectified.
5. Any wiring device, electrical apparatus or lighting fixture furnished under this Contract, if grounded or shorted on any integral "live" part, shall be removed and the trouble rectified by replacing all defective parts or materials as directed.
6. Service ground to be tested per Indiana Electrical Code requirement. Grounding pole of all receptacles to be tested.
7. All motors shall be tested under load with ammeter readings taken in each phase, and the RPM of motors recorded at the time. All motors shall be tested for correct direction or rotation. Electrical Contractor shall be responsible for testing running of all motors and shall verify that proper overload devices have been installed.
8. All meters, instruments, cable connections, equipment or apparatus necessary for making all tests, shall be furnished by this Contractor at his own expense.
9. Contractor shall submit proof of all tests to the Architect before final acceptance of the work.

3.03 ADJUST AND CLEAN
A. Cleaning Equipment, Completed Work and Premises: After the completion of all installations, each system shall be thoroughly cleaned to remove all paint, oil and other foreign material. Contractor shall also clean all foreign paint, grease, oil, dirt, labels and stickers, etc., from all fixtures, equipment, etc. The Contractor shall remove all rubbish, debris, etc., accumulated from his operations from the premises.
B. Demonstration: At the conclusion of the work and before final contract payment is made demonstrate and explain to the Using Agency's personnel, the function, operation and maintenance of all equipment and systems installed by this Division of the work and provide a copy of all tests performed.
C. Protect all equipment and systems against harmful exposures to, or accumulations of dust and moisture, flooding, corrosion or other forms of damage and clean and restore damaged finishes as may be required to place installations in a "like–new" condition before acceptance by the Architect.

3.04 SCHEDULES
A. Equipment Schedules: See Drawings for schedules of lighting fixtures, switchboard, panelboards, distribution equipment, and related items.

3.05 APPROVALS
A. Obtain all permits and approvals from the governing bodies which have jurisdiction over this project.

3.06 IDENTIFICATION AND TAGGING
A. Provide all distribution switches and/or circuit breakers, starters, etc. whether individually mounted in panelboards, switchboards, etc., with suitable identification. The designation, using proper nomenclature, shall indicate the load served. Provide all feeders with suitable identification as to their designation in all junction boxes, pullboxes, gutter spaces through which they pass, and at their terminal points of connection. Identification of distribution switches or circuit breakers in panelboards shall be by means of panelboard directories. Identification of distribution switches or circuit breakers and starters individually mounted or in switchboards shall be by means of engraved lamacoid nameplates permanently fastened on the front face of the housing, showing 1/4" high white lettering on a black background. Identification of feed cables shall be by means of engraved fiber tags suitably fastened to the cables.

3.07 SLEEVES
A. Provide coring in walls and floor slabs for the passage of all conduits, pipes and ducts installed.
B. Cored holes in floor shall be provided with sleeves extended one inch above finished floor level and made watertight.

3.08 PAINTING
A. All equipment, panelboards, switchboards, etc., shall be factory finished in baked enamel or lacquer, or as specified. Standard factory finishes shall be approved. Any scratches shall be neatly touched up by the installing Contractor.
B. All metal work installed by this Contractor exposed to the weather and not factory finished shall be painted with two coats of oil paint of color selected by Architect.
C. All finish painting shall comply with the Painting Section of the Specifications.

3.09 CUTTING AND PATCHING
A. Perform all cutting and patching required to complete the Work, except where specifically shown on the Architectural or Structural Drawings.
B. Refer to Section 01070 for additional requirements.

END OF SECTION

SECTION 16100
BASIC MATERIALS AND METHODS

PART 1 – GENERAL

1.01 DESCRIPTION
A. This section defines the Basic Material and Methods which are common to all Sections of Division 16.

PART 2 – PRODUCTS

2.01 MATERIALS
A. Conduit:
1. Electrical Metallic Tubing: EMT, "Thinwall" conduit shall in general be utilized where permitted by Code except where described herein. Minimum size conduit shall be 3/4", unless otherwise specifically noted otherwise.
2. Heavy–wall steel conduit and I.M.C shall be either hot dipped galvanized or sherardized.
3. Flexible conduit shall be heavy duty steal Greenfield type except, where exposed to oil, grease, or water – then conduit shall be Sealtite.
4. Plastic conduit shall be PVC Schedule 40.
5. Conduit Fittings:
a. Rigid & IMC: Threaded.
b. Thin–Wall: Compression Type.
c. Flexible: Connectors shall be compatible with flexible conduit used.
6. Conduit shall be as manufactured by Allied, National Electric, Republic or Triangle.
7. Flexible liquid tight conduit as manufactured by Anaconda, Simplex, or International Metal Hose.
8. Provide an insulating bushing for all conduits containing #4 and larger wire as well as all conduits 1" and larger regardless of the size wire they contain.

B. Wires and Cables:
1. All wire shall be type THHN/THWN copper.
2. Wire shall be stranded or solid where required by system manufacturer.
3. Where light fixtures are wired in continuous rows, wire pulled through fixtures shall be type SF2.
4. Final connections to heating equipment where shown, type SF2.
5. Cable and wire shall be as manufactured by Alcoa, Anaconda, General Cable, Triangle, Simplex, Hatfield, Bell, Alpha, and Coleman Cable and Wire.
6. Unless specifically noted otherwise, all wiring shall be installed in conduit.
7. Layout branch circuit wiring and arrangement of home runs for maximum economy efficiency. Increase wire size if voltage drop exceeds 2% or 100 ft in length.

C. Color Coding: Color coding shall be used throughout the entire electrical system:

For 120/208V. Systems:
1. "A" Phase – Black – all gauges.
2. "B" Phase – Red – through # 6. Larger black with phase markers.
3. "C" Phase – Blue – through # 6. Larger black with phase markers.
4. Neutral – White – through # 6. Larger black with phase markers.
5. Grounding Wire – Green, insulated.
6. Control Wire – Colors other than above.

For 277/480V. Systems:
1. "A" Phase – Brown
2. "B" Phase – Orange
3. "C" Phase– Yellow
4. Grounding Wire – Gray

D. Wire Pulling Lubricant: Use of wire pulling lubricant is optional; but, if needed to prevent damage to the conductors, it must be listed by Underwriters Laboratories and be of such consistency that it will leave no obstruction or tackiness that will prevent pulling out old wires or pulling in new wires or additional wires.
E. Electrical Connections, Terminals and Splicing shall be in accordance with Section 110–14 of the N.E.C. Connection materials and equipment must be given special attention when using dissimilar metal conductors, etc.
F. Outlet, Pull and Junction Boxes:
1. Boxes shall be 12 gauge or heavier steel, sherardized or galvanized to prevent rusting and shall have readily removable knockouts.
2. Pullboxes and pull fittings shall be accessible with removable covers secured with brass machine screws.
3. Junction boxes shall be minimum 4" square or octagon, not less than 2" deep, deeper if required by the number of wires or construction, with appropriate covers. Provide with 3/8" stud where lighting fixture is suspended from box.
4. All switch and receptacle outlets shall be equipped with minimum 4" box. Gang boxes shall be provided where groups of switches occur. All boxes shall be equipped with proper raised covers, mounted at heights shown on Drawings, or as directed. The approximate location of outlet boxes is shown on the Drawings, but care shall be taken to install all outlets with proper relation to equipment or material to be installed by other trades. Special outlets shall have proper boxes to accommodate special equipment. Outlet boxes in masonry shall be or proper depth to allow conduit to be installed without cutting of shell of blocks, etc.
5. Outlet boxes shall be as manufactured by Appleton, Steel City, Raco or Crouse–Hinds.
6. Boxes for all exterior conduit, or conduit mounted in exterior walls shall be cast iron boxes, type "FS" or "FD", as manufactured by Crouse–Hinds, Appleton, Pyle National, or Killark and provided with gasketed watertight covers. Fittings shall be pull type with gasketed covers.

G. Disconnect Switches:
1. Switches shall meet NEMA enclosed switch standards KS1 current edition. Switches shall be quick–make, quick–break and contacts shall not be capable, during normal operation of the switch, of being restrained by the operating handle after the opening or closing of the contacts has started.
2. All safety switches shall be heavy duty of voltage matching equipment served, NEMA 1 for indoor use and NEMA 3R for outdoor use. Switches shall be as manufactured by Westinghouse, Square D, or Siemens.

H. Fuses: Furnish and install all fuses. Fuses shall be Bussman "Fusetron", dual element, current limiting type, unless specifically noted otherwise.

I. Switches:
1. Except where otherwise specified, wall switches shall be mounted in suitable outlet boxes in the walls, partitions, or as shown on Drawings.
2. Wall switches shall be located as indicated on the Drawings, arranged singly or in gangs and at the height specified or indicated and shall have proper covers with finishes specified herein. Switches shall be as follows unless otherwise called for on Drawings or hereinafter specified. (Contractor shall check architectural drawings for additional information.)
a. Light switches shall be toggle 20amp, 120/277 Volt Specification grade.
b. SPST Hubbell #1221; P & S #20AC1; Leviton #1221
c. 3–way Hubbell #1223; P & S #20AC3; Leviton #1223
d. 30A–SPST (Motor Disconnect): Hubbell #3031; P & S #30AC1; Leviton #3031. Coordinate location with mechanical trades.
3. Verify door swings before installing switchboxes and install the boxes on the latch side of the door unless otherwise directed by the Architect.
4. Color of devices to be bid as white; however, final selection shall be by the Architect.

J. Receptacles:
1. Receptacle shall be located as shown on the Drawings and at the heights specified or indicated. Receptacle and power outlets shall be of the grounding type and as manufactured by Hubbell, Pass & Seymour, or Leviton.
2. Duplex Convenience Receptacles: 20A.,2 Pole, 3 Wire, 125 Volt, (NEMA designation 5–20R) Specification Grade.
a. Pass & Seymour #5362
b. Leviton # 5362
c. Hubbell # 5362
3. Special Receptacles and Floor Boxes: As indicated on Drawings.

Color of receptacles to be as selected by architect owner, coordinate with architectural finishes in front of house spaces. All kitchen and back of house devices shall be white with stainless steel cover plates.
4. Ground fault circuit interrupter to be provided for all kitchen, receptacles outdoors, in toilet rooms, and within 6' of sinks.

K. Switch and Receptacle Plates:
1. Plates in back of house areas for switches and receptacles shall be stainless steel plate.
2. Provide multigang or combination plates for devices grouped in gang or combination.
3. Provide painted steel plates in colors to match device in front of house areas.
4. All outdoor devices shall be weather resistant, GFCI protected, and provided with While in Use weatherproof cover plates.
4. Identify all dedicated circuits with a laser printed adhesive label indicating panel and circuit number.

L. Circuit Breakers:
1. Circuit breakers shall be as manufactured by Cutler–Hammer, Square D, General Electric or Siemens or of type and manufacturer to match existing for existing panels.

M. Motors, Control Panels, Etc., Furnished by Others:
1. Check the Drawings and Specifications covering all branches of the work to ascertain what equipment is furnished by others. It will be this Contractor's responsibility to furnish the necessary labor and materials to receive and wire said equipment. Check the Plumbing and Mechanical Drawings and Division 15 of the Specifications carefully for wiring by the Electrical Contractor.

PART 3 – EXECUTION

3.01 PREPARATION/INSTALLATION/APPLICATION
A. Conduit:
1. Installation – All conduit shall be sized in accordance per local codes:
a. Conduit to be run exposed in unfinished areas such as mechanical, electrical room, and janitors' closets used as electrical closets. All other conduit shall be concealed.
b. All conduit and wiring shall be concealed wherever possible. Where conduit and wire cannot be concealed, obtain direction from the Architect. No surface mounted conduit, wiremold or power poles will be acceptable, unles specifically indicated on the drawings.
c. Run parallel or perpendicular to exterior walls of building.
d. Locate to avoid equipment, fixtures, ductwork piping, etc.
e. Layout and install work in advance of the layin of floors, walls, etc., and furnish and install all sleeves that may be required for openings through floors, walls, etc.
f. Where conduit is to be run exposed, furnish and install all inserts and clamps for the supporting of conduit.
g. If contractor does not properly install all sleeves and inserts he will be required to do the necessary cutting and patching later at his own expense, and to the satisfaction of the Architect.
h. Do not obstruct openings or passageways.
i. Where conduit passes through floors or through smoke and fire walls, space between conduit and floor or wall shall be filled with cement grout.
j. Radius of bends shall be not less than six(6) times internal diameter. Any run of conduit shall not include more than the equivalent of four(4) quarter bends.
k. Provide expansion fittings for all conduits at expansion joints.
2. Cutting Conduit:
a. Measure and cut conduit from job site conditions, not from Drawings.
b. Conduit shall be cut square and butted solidly into fittings.
c. On rigid conduit, cut conduit full and clean with sharp dies. Ream ends of pipe after cutting and before assembly to remove burrs.
d. Ream thin–wall conduit (EMT) after it is cut.
3. Liquid Tight and Flexible Conduit:
a. Liquid tight flexible conduit shall be installed in such a manner that liquids tend to run off the surfaces and not drain toward the fittings.
b. All runs of flexible conduit shall be as short as practicle (maximum of 6'), of the same size as the conduit it extends and with enough slack to reduce the effects of vibration. A minimum of 24 inches of flexible conduit shall be installed.
c. Where the fittings are brought into an enclosure with a knockout, an insulated throat type fitting with liquid sealing "O" ring shall be used.
d. Flexible metal conduit shall be installed for all final equipment connections to transformers, light fixtures (lay–in type) and all other devices where so required. (Maximum of 6')
4. Type of Conduit:
a. The following areas shall be galvanized steel heavy wall conduit:
1) In earth fill.
2) Exposed in wet areas.
3) Exposed outdoors (Provide watertight fittings & boxes).
4) Outside masonry walls.
5) Within building confines run in concrete slab.
6) Exposed in mechanical rooms.
7) Feeder conduit for panelboards.

Couplings for conduit run in poured concrete shall be concrete tight.
b. Conduit run in dry areas within building confines shall be EMT. Dry areas are inside partitions, ceiling cavities and areas not subject to damage. Outside walls are not considered dry areas.
c. IMC may be used in above grade floor slabs of size 3/4" only.
d. Where permitted by local codes run conduits under floor slabs and in contact with earth may be schedule 40 PVC.
5. Supporting of Conduit:
a. All conduits must be independently supported from structure. No conduits shall be supported from the ventilating ducts, ceiling hangers, mechanical piping or their hangers.
b. All surface run conduit one inch(1") and smaller shall be supported every five feet with one hole straps with clamp backs. Perforated strap hangers will not be permitted.
c. Hangers shall be proportioned for the weight of the conduit(s) supported. All rods, clamps and/or hangers shall be galvanized, bonderized, plated or painted. Where factory supplied, with one of the above rust resistant finishes, all field cuts and threads are to be painted and covered with a grey finishing paint.
d. Trapeze type hangers may be used where several conduits occur at the same elevation. The spacing of such trapeze hangers shall be determined by the electrical code spacing requirements for the smallest conduit in the run.
e. Approved type inserts for support of work in cast or concrete construction.
f. Approved type steel beam clamps in the case of steel construction.
g. Provide seismic bracing in accordance with Indiana code requirements. Contractor shall provide structural engineer designed bracing system. Design shall be by Electrical Contractors Structural Engineer and at Electrical Contractors expense.

6. Where holes or recesses must be cut in walls, floors, ceilings, or any part of the building to admit apparatus, conduit or other work of this Contractor, he must have it done by a competent mechanic in a neat and workmanlike manner. The portions cut must be restored to their original condition at the expense of this Contractor. This Contractor shall provide for all of his own cutting and patching.
7. All conduits run in or below any grade slab shall be heavy wall conduit and entirely encased in 2" of concrete. In no case shall conduit be laid in fill below slab. Conduit shown as plastic shall be schedule 40.
8. 1/2"D. minimum conduit shall be provided in all non–accessible construction such as floor slabs, earth, masonry, walls, partitions, etc.
9. Provide:
a. Supplementary angles, channels, plates, etc., where supports are required between building's structural members, spanning the space and attached to building structural members, by welding, bolting or with concrete anchors.
b. All rods, angles, rails, struts, brace plates, platforms, etc. required for suspension or support of conduit and equipment.
c. Straps, clamps, threaded rods, turnbuckles, anchors, etc., and all miscellaneous specialties for the attachment of hangers and supports to the structure.
10. Unless otherwise noted on the Drawings, the following shall apply:
a. Convenience outlets shall be placed on separate circuits from motor and lighting outlets.
b. Motors shall be placed on separate circuits from lighting outlets.
c. Convenience outlets shall not be installed back to back.
11. Provide full size ground wire in all conduits, PVC or Metallic. Where the drawings do not identify the size of the equipment ground wire, it shall be the same size as the phase conductors.

B. Motor and Equipment Wiring:
1. Unless indicated or specified elsewhere perform the following:
a. Connect and wire to each motor and piece of electrically operated equipment shown on the Drawings or as specified in these Specifications.
b. Furnish, install and connect all starters, controller selector switches, pilot lights, pushbuttons' stations for each motor and piece of electrically operated equipment shown on Drawings, or as specified in the Specifications, unless otherwise indicated.
c. Furnish and install all wiring from the current source to all starters and from starters to motors, except in the case of factory installed wiring packaged equipment. Wire to the line side of all prewired equipment.
d. Furnish and install a disconnect switch ahead of all prewired package equipment. Coordinate with Mechanical Trades Contractor.
e. Install all roughing–in pertaining to each item of equipment furnished under other Sections of the Specifications or by the Owner. Locations of electrical outlets for this equipment are indicated on the Drawings in their approximate locations. The supplier furnishing the equipment will furnish dimensional drawings accurately locating all roughing–in required for his equipment.
f. Receive, set and align motors which are shipped loose if local union or trade jurisdiction practice requires doing so.
g. Provide all control circuit and interlock wiring and connections for all mechanical equipment as indicated and scheduled on the Drawings.
2. If a disconnect switch is required by the enforcing code and not indicated on the Drawings or in the Specifications, it shall be furnished and installed.
3. Where specific locations of switches and starters are not shown on the Drawings, these shall be placed near the motor.

C. Conductors, Cables:
1. Except where otherwise shown on the drawings all wiring shall be installed in conduit.
2. Conductors and cables shall not be installed in conduit or raceways until same are free from moisture and debris.
3. Leave a minimum of six inch(6") length of cable and conductor slack at each outlet.

D. Expansion Fittings:
1. Expansion fittings shall be installed in all conduits crossing expansion joints. Refer to Architectural drawings for locations.

6. Utility Company transformer support pad and primary conduit(s).
7. Complete secondary 277/480 volt, 3 phase, 4 wire, 60 hertz service from the Utility Pad Mounted Transformer To CT compartment and metering and main service overcurrent protective device. Coordinate with utility company for service upgrade.
8. Temporary Electrical service for construction purposes. Coordinate with general contractor.

PART 2 – PRODUCTS

2.01 EQUIPMENT

A. Distribution Panelboards:
1. Shall be as scheduled on the drawings.
2. Panelboard shall be enclosed in steel cabinet of rigidity and gauge of steel per UL Standard #50 for cabinets.
3. Acceptable manufacturers are Square D I Line Series, Eaton Pow–R–line 4 series, Siemens P4 series and General Electric Spectra Series.
4. Bus structure shall be copper not exceeding density of 1000 amps per square inch of cross section. Buss supports shall be adequate to withstand 65,000 amperes symmetrical short circuit stresses minimum. All contact surfaces shall be silver plated.
5. Panelboard shall be braced for short circuit capacities as scheduled by the local Utility Company; however, the minimum bracing shall be 65,000 A.I.C. symmetrical.
6. Circuit breakers shall be molded case fixed trip type with s accessories as required including lockable hasps, lock out clips, shunt trip or GFCI.
7. Each circuit breaker shall be equipped with an approved nameplate which indicates the name of the equipment (motor, panelboard, etc.) to which the feeder conductors are connected.
8. Main distribution panel shall have a ground bus. The ground bus shall be fastened and bonded to the framing member in an approved manner. The ground bus shall be grounded in a manner meeting all code requirements.

B. Building Metering/Service Disconnect: For metering furnish and install on the C/T compartment or on the exterior wall a mounting panel with all meter accessory equipment for mounting thereon the associated Utility Company's meter requirements. Contractor shall comply with Utility Company requirements.

Service disconnect shall be service entrance rated weatherproof Nema 3R Main Fused Switch.

C. Panelboards:
1. Panels shall be type indicated on the Drawings, with main lugs, main breakers, bolt–on branch breakers, spares and spaces as scheduled. Ground fault interrupter (GFI) circuit breakers shall be provided where noted.
2. Panels shall comply with U.S. Federal Specification WP115a, Type I, Class I. Where applicable, provide with copper bus of density not exceeding 1000 amps per square inch.
3. The Electrical Contractor shall balance all circuits. All conductors shall be continuous without splicing from last outlet to their terminals in cabinet. All circuit conductors in cabinet shall be installed with sufficient amount of length to reach the most remote breaker connection from its point of entrance.
4. Panelboard fronts shall be fabricated from a flat piece of full finished code gauge sheet steel with door cut out leaving a trim of proper width around the door. Provide Door in Door construction for access to wiring compartment without removal of cover. Provide a latching mechanism controlled by a chrome plated vault–handle on doors twenty–four inches(24") or over in height. All Locks to be keyed alike to the panel manufactures's standard key. Two(2) Keys shall be furnished with each cabinet.
5. Contractor shall provide a directory of circuits for cabinet. Directory shall be typewritten designating room or equipment and circuit numbers. Directory frame, lock, hinges, etc., are to be secured to inside of door and trim in such a manner that screws, holes or welds, etc., are not visible on the door panel or trim.

6. The width and height of cabinets shall be sufficient to provide a wiring gutter at the two sides and at the top and bottom of not less than 4". Additional width or height shall be provided, if required for entering conduits. Additional wiring gutter space shall be provided, if required for main or sub–feeder cables passing through to feed other cabinets.
7. Where 2 or 3 pole breaker units are called for, they shall be one unit with common trip and not single pole units with handle ties. Capacity of main busses shall be as shown on the Drawings.
8. Panelboards shall be Square 'D' NQQD series, Eaton PRL1a, General Electric A series, or Siemens P1 approved equivalent.
9. Panelboards shall be braced for short circuit capacities as scheduled by the local Utility Company and series rated with upstream breakers in MDP.
10. All breakers utilized for switching lighting shall be labeled switching duty type.
11. All panels shall be provided with Door–in–Door Construction.
12. Install complete and test in accordance with NECA STANDARDS.

C. Transformers
1. All general purpose transformers shall be enclosed and ventilated.
2. All transformers shall comply with DOE 10 CFR Part 431 January 1st/, 2016 efficiency levels defined in the U.S. Department of Energy, Energy Conservation Program; Distribution Transformers Energy Conservation Standards DOE 10 CFR Part 431 as published in the Federal Register No. 2013–08712 / Vol. 78, No. 75 / Thursday, April 18, 2013 / Rules and Regulations
3. All transformers shall comply with Nema ST–20, IEEE C57.110, DOE 2016 and UL 1561 and be UL listed.
4. Inrush currents shall not exceed 15 X RMS.
5. Typical Impedenence @ 60 Hz shall be 3 % to 5.75.
6. Insulation Class: 220 Deg C. Temperature Rise 150 Deg C.
7. Taps: To NEMA ST 20 [2 x ± 5% (1FCAN, 1FCBN)]
8. Core construction: high grade non–aging, fully processed silicon steel laminations or better
9. Transformers shall terminate in mounting pads or mechanical lugs. Primary and secondary terminations are to have terminals on the same side of the transformer mounted on separate insulated supports, with the HV teminations in the upper half of the enclosure and LV terminations in the lower half. Mechanical type lugs shall be included on primary, secondary and neutral customer terminations on all aluminum and copper units up to and including 270 amp ratings. Contractors shall provide all necessary lugs not already provided with transformer. Anti–vibration pads/isolators shall be used between the transformer core and coil and the enclosure.
10. Ground core & coil assembly to enclosure with a flexible copper grounding strap or equivalent. Cannot block ventilation slots per N.E.C. 2017
11. Transformers Shall be Hammond Power solutions or equivelent by Siemens. ABB, Eaton, Square D or Heavy Duty.
12. The installing contractor shall install the Transformer per the manufacturer's recommended installation practices as found in the installation, operation, and maintenance manual in compliance with all applicable national and local codes.
13. Transformers cannot be back (reverse) fed unless specifically designed for and marked accordingly.
14. Make sure that the transformer is levelled.
15. Check for damage and loose connections.
16. Mount transformer to comply with all applicable codes.
17. Install optional vibration isolation pads between transformer enclosure and the mounting surface as needed.
18. Install seismic restraint where required by code.
19. Coordinate all work in this section with all work of other sections.
20. Prior to putting transformer into service, verify secondary voltages and if necessary adjust primary taps.
21. Install compete and test transformer in accordnace with NECA standards.

PART 3 – EXECUTION

3.01 INSTALLATION
A. Electrical services, metering and main distribution shall be as shown on the Drawings and as herein specified.
B. System Grounding: Shall be in strict accordance with the Indiana Electrical Code, Local Governing Authorities and in accordance with the recommendations of the Utility Company.
C. Electrical Service:
1. Electrical services shall be from the utility transformer at 3 phase, 4 wire, 60 hertz with voltage as specified on the Drawings.
2. Furnish and install the service from the utility transformer gear to the current transformer cabinet/meters and into the main service switches as shown on the Drawings. Leave sufficient slack cable, at the locations for connection of the secondary conductors. all terminations by this contractor.
3. This Contractor shall contact the Utility Company to obtain all information necessary for the work, incorporate their instructions into the work, and obtain their approval of all work and material. Include all contractor related costs in base bid.
4. Provide Utility approved CT cabinet in accordance with the Utility Company's standards. Utilize existing spare conduits for new work as feasilble.
5. coordinate installation of the CT's and meter with The Utility Company.

D. Grounding:
1. Provide an electrically continuous ground system from service to all points of utilization. In general, all pieces of electrical equipment shall be grounded as required by Federal, State and Local Codes and regulations, but special attention is called to the following items to be grounded as indicated:
a. All distribution equipment including transformer and panelboards.
b. Conduit and other metallic raceways.
2. In general where grounding wire is shown use green color.

END OF SECTION

SECTION 16500
LIGHTING SYSTEMS AND CONTROLS

PART 1 – GENERAL

1.01 DESCRIPTION
A. Work Included:
1. Installing and wiring lighting fixtures as shown on Drawings and Lighting Fixture Schedule.
2. Refer to the Architectural Room Finish Schedules and Architectural and Structural details to determine conditions and finishes affecting the installation of the work. Include, to the full intent and meaning of these Specifications, all items of labor and materials necessary for design, detailing or adjustment of fixtures due to surrounding finishes and construction.

PART 2 – PRODUCTS

2.01 MATERIALS
A. All lighting fixtures and lamps shall be furnished by owner, received, installed and wired complete by electrical contractor.

PART 3 – EXECUTION

3.01 INSTALLATION
A. Fixtures: An outlet is to be provided for each fixture. All fixtures shall be located to suit the Architectural details of the areas involved. Unpack, assemble, wire and install all fixtures at the proper locations indicated on the Drawings.
B. Recessed Fixture Installation: Recessed fixtures shall be of type suitable for mounting in the type of ceiling as scheduled on the Drawings. Variations to catalog numbers indicated shall be made to assure proper mounting and fitting arrangements, prior to fabrication. Changes to be made by this Division Contractor must have prior written approval from the Architect.
C. Supports:
1. Each lighting fixture shall be rigidly and independently supported from the building construction. Provide suspension hangers, stems and extra steel work for fixture support where required.
2. Coordinate complete unistrut suspension system with General Contractor for all front of house lighting coordinate scope with General Contractor prior to submission for bid.
3. Where recessed fixtures are called for, each shall be provided with the proper plaster frame or suitable adapter to receive the finished ceiling construction.
4. Where suspended acoustic tile ceilings on steel channels occur, outlets and fixtures shall be supported on members resting on the channel framework. In no case shall fixtures be supported from plaster or acoustic material.
5. Suspended fixtures shall be hung on suspension hangers furnished by the fixture manufacturer and shall be adjusted as necessary during installation to insure that all fixtures in the same room or area are at a uniform height from the floor. Mounting height shall be as specified, detailed or noted on the Drawings.

D. Fixture Wiring:
1. Fixtures shall be wired with white wire for the neutral and colored wire for phase wires, see Section 16100.
2. Housing of all fixtures must be grounded to conduit system.
3. Each fixture to be complete with holders, screws, sockets, wires, lamps, etc., as is necessary for a complete installation.
4. All lighting shall be dimmed. EC shall coordinate exact dimmer to be utilized and provide compatible dimmer.
5. All circuits shall be provided with independent neutral conductor no sharing of nuetrals permitted.
6. Provide additional wiring as required to facilitate 0–10V dimming and other types of dimming provided. coordinate exact wiring requirements prior to installation of any lighting fixtures.

E. Operation and Controls:

1. Provide a complete and operable Lighting control system system consisting of electronic 24 hour timeclock, photocell, over ride switches and contactors to control exterior lighting and signage, general lighting, patio lighting, and indoor holiday/show window devices, provide panel with space for 48 controllable relays.
2. Provide local dimming switches as shown and wired.
3. Exit and directional signs shall be constantly on, and wired as shown.
4. Commission lighting controls in accordance with 2021 IECC requirements.
5. Provide 16 hours of labor during normal working hours to coordinate aiming and adjustment of lighting fixtures after buildling is complete. Coordinate with owners representative in field.
6. Refer to Architectural drawings for all lighting specifications.

END OF SECTION

SECTION 16620
EMERGENCY LIGHT AND POWER

PART 1 – GENERAL

1.01 DESCRIPTION
A. Install all exit signs and battery emergency lights as shown on the Drawings and required by all governing authorities having jurisdiction.

1.02 SUBMITTALS
A. Requirements of Regulatory Agency: Obtain any and all plan approvals as required by the authorities which have jurisdiction over this Project, prior to start of work.

PART 2 – PRODUCTS

2.01 MATERIALS AND FIXTURES
A. Conduits, fittings, wire, etc., shall be in accordance with applicable Section of this Specification.
B. Exit and Direction Signs:
1. Shall be U.L. approved.
2. Colored letters on white background. (Color per the local Code Authority).
3. Directional arrows as required by local Fire Protection Bureau.
4. Color of trim as selected by Architect.

PART 3 – EXECUTION

3.01 INSTALLATION
A. Furnish and install all branch circuit wiring, etc, with green ground wire. All exit and emergency lighting shall be wired ahead of local switching in accordnace with National Electrical code.
B. Provide aiming and adjustment of emergency lighting to provide 1 FC on path of Egress in accordance with IBC and NFPA requirements.

END OF SECTION

SECTION 16720
ALARM AND DETECTION SYSTEMS

PART 1 – GENERAL

1.01 DESCRIPTION
A. Work Included:
1. Provide necessary conduit and power for alarm and detection systems. This shall include the following:
a. Dedicated 20 Amp., 120 Volt circuit (s).
b. 3/4" conduit (empty) to each door contact, silent duress alarm, camera, etc.

PART 2 – PRODUCTS (REFER TO OTHER SECTIONS OF THE SPECIFICATION)

PART 3 – EXECUTION

3.01 RELATED DOCUMENTS
A. All conduit and wiring requirements shall conform with Section 16100, "Basic Materials and Methods" of this Specification.

END OF SECTION

SECTION 16700
COMUNICATIONS

PART 1 – GENERAL

1.01 DESCRIPTION
A. Work Includes:
1. Empty conduit and boxes for wiring installed by owner's vendor.
B. Work by Telephone Utility:
1. All wiring for telephone instruments.
2. All telephone instruments.

PART 2 – PRODUCTS

2.01 MATERIALS
A. Conduits, fittings, and outlet boxes shall be as hereinbefore specified in Section 16100.
B. Wall boxes to be flush, 4" square, with extension ring.
C. Telephone System Grounding Conductors: Furnish a #6 AWG, copper grounding conductor from each telephone service equipment to respective electrical service grounding electrode system.
D. Telephone/Computer Conduit System: Furnish as indicated on the Drawings, including the following:
1. Telephone service conduits for underground service.
2. Other conduits as indicated on the Drawings. Furnish #14 AWG soft iron pull wire or heavy nylon cord in each conduit for pulling the telephone cable to each termination point.
3. Outlet boxes with a 3/4" conduit stubbed into accessible ceiling space with pullwire for cabling by others. Provide separate dedicated conduits for P. O. S. lines. (Do not share with other telephone or data lines.)
4. No electrical conduits or power wiring shall pass over the telecommunications closet and panels, except for telecommunications room light fixtures.
E. Provide extension of exisitng conduit stubs from landlord or utility with pull strings from telephone/data/TV utility or landlord stub.

ISSUE FOR PERMIT

OWNER RELEASE: I HAVE REVIEWED THESE DRAWINGS FOR DESIGN INTENT AND HEREBY CERTIFY THAT THEY CONFORM IN ALL RESPECTS TO MY DESIGN CRITERIA AND ARE APPROVED.

BY ______________ DATE ________

THESE DRAWINGS MAY HAVE BEEN REPRODUCED AT A SIZE DIFFERENTLY THAN ORIGINALLY DRAWN. OWNER AND ARCHITECT ASSUME NO RESPONSIBILITY FOR USE OF INCORRECT SCALE.

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH CONSTRUCTION AND NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR CONFLICTS.

NO	DATE	DESCRIPTION
1	04.25.25	ISSUE FOR PERMIT
	05.14.25	PERMIT REVISION # 1

STATE OF MISSOURI
GREGORY L. DOFFIN
NUMBER PE-2013003005

SIGNATURE
05/14/2025 12/31/2025
DATE EXPIRATION DATE
CERTIFICATION:

ANCHO & AGAVE
SUMMIT FAIR SHOPPING CENTER
D-BUILDING
860-A NW BLUE PARKWAY
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ELECTRICAL SPECIFICATIONS

JOB NO: ANCHO - SUMMIT FAIR
SHEET NO: E3.0
DATE: 04.25.2025

PART 3 – EXECUTION

3.01 INSTALLATION

A. Furnish and install conduit system as shown. Cabling and final connection to be by the owners subcontractor. The system shall consist of telephone/data outlets in locations as indicated, branch conduits, and all accessories required by the telephone company for complete installation.

END OF SECTION

SECTION 283100 – FIRE DETECTION AND ALARM

PART 1 GENERAL

1.01 SYSTEM DESIGN, INSTALLATION, AND MAINTENANCE

A. Provide a fully engineered design of the fire detection and alarm system from a qualified fire detection and alarm system designer unless indicated otherwise. Any fire detection and alarm information indicated on the drawings is strictly for the purpose of establishing a minimum criteria to aid the fire detection and alarm system designer in the design of the fully engineered fire detection and alarm drawings. Designer shall be nicet level iii or iv (3 or 4) certified fire alarm technician or registered fire protection engineer, employed by fire alarm control unit manufacturer, contractor, or installer, with experience designing fire alarm systems in the jurisdictional area of the authorities having jurisdiction. Installer shall be an employee of a firm with minimum 5 years experience installing fire alarm systems of the specified type and providing contract maintenance service as a regular part of their business. Maintenance contractor shall be same entity as installer. Fire alarm system shall match existing mall and use mall fire alarm vendor for design and installation.

PART 2 PRODUCTS

2.01 NEW FIRE ALARM SYSTEM: ADDRESSABLE TYPE.

A. Where the word "should" is used in NFPA 72, consider that provision Mandatory.

B. Do not combine fire alarm system with other non–fire systems.

C. Control units: Notifier Firewarden 100–2(E), or equal, Intelligent Control unit capable of monitoring all required addressable initiation Devices, operating all required notification appliances, and initiating all required auxiliary functions. Provide with digital Alarm communicator transmitter (dact) with two dedicated telephone Lines that communicate to a ul–listed remote supervising station. Provide storage battery secondary power source, unless indicated Otherwise, and battery charger capable of operating entire system for Period of time specified by NFPA 72 and charging depleted batteries Within 48 hours of power restoration. Use semi–flush enclosures in All areas except for unfinished areas.

D. Trouble sequence of operation: system or circuit trouble places System in trouble mode, which causes visual and audible trouble alarm Indicated at fire alarm control unit, trouble signal transmitted to Remote station, manual acknowledge function at fire alarm control unit Silences audible trouble alarm but visual alarm is displayed until Initiating failure or circuit trouble is cleared, and visual and Audible trouble alarm indicated at remote annunciator panel if Applicable.

E. Alarm sequence of operation: actuation of initiating device places Circuit in alarm mode, which activates notification appliances, Transmit coded signal to remote supervising station, transmit signal To building mechanical systems to initiate shutdown of fans and smoke Damper operation as applicable, transmit signals to building elevator Control panel to initiate elevator recall as applicable, and indicate Location of alarm on fire alarm control unit and on remote annunciator Panel if applicable

F. Surge protection: in accordance with IEEE C62.41 B3 combination

Neutral and 350 vac line–to–line. Do not use fuses.

G. Connect control unit to a separate dedicated branch circuit with a Separate, red, dedicated disconnect switch with lock–on accessory and Label circuit as fire alarm.

2.02 Fire safety systems interfaces

A. Supervision: provide supervisory signals in accordance with NFPA 72 For fire suppression system control valves, flow switches, pressure Switches, and corrosion monitoring probes where ever present, per NFPA 13, 13r and 72.

B. Alarm: provide alarm initiation in accordance with NFPA 72 for fire Suppression system flow, kitchen hood fire suppression system Activation including disconnection of fuel source from cooking Equipment, and all other initiation devices present or required for a Complete NFPA 72 compliant system.

C. Trouble: provide trouble signals in accordance with NFPA 72.

2.03 Initiation devices: provide initiation devices made by the same

Where installed in finished areas. Surface mounted initiation devices are Acceptable for use in unfinished areas.

A. Manual stations: semi–flush mounted, non–coded type, single action

Back box.

B. Ceiling or wall mounted smoke detector: NFPA 72, photoelectric type With visual indication of detector actuation, adjustable sensitivity, And plug–in base suitable for mounting on 4 inch outlet box.

C. Duct mounted smoke detector: NFPA 72, photoelectric type with Auxiliary spdt relay contact, key–operated normal–reset–test switch, Duct sampling tubes extending width of duct, and visual indication of Detector actuation. Include remote test/reset station for each duct Mounted smoke detector, including audible and visible alarm indication And reset capability.

D. Spot heat detector: combination rate–of–rise and fixed temperature, Rated 135 degrees f and temperature rate of rise of 15 degrees f.

2.04 Notification appliances: provide all notification appliances made by the Same manufacturer. Provide flush mounted initiation devices where

Installed in finished areas. Surface mounted initiation devices are Acceptable for use in unfinished areas. Provide visible notification Devices in all public and common use areas. Notification appliances shall Be white unless the authority having jurisdiction requires red appliances.

A. Visible appliances: NFPA 72, strobe lamp and flasher with clear lens And red lettered "fire" on lens or housing.

B. Audible appliances: NFPA 72, flush type fire alarm horn rated at 87 Db at 10 feet. Provide integral strobe lamp and flasher with clear Lens and red lettered "fire" on lens or housing where combination Appliances are indicated on the drawings.

C. Remote annunciator: where indicated on the drawings or otherwise Required, provide remote annunciator including audible and visual Indication of fire alarm, and audible and visual indication of system Trouble. Install in flush wall–mounted enclosure where indicated on The drawings, subject to the approval of the local fire marshal.

2.05 wire and cable: type fpl power–limited fire alarm cable or type fplp power–Limited fire alarm plenum cable where permitted by the authority having Jurisdiction. All new fire alarm system wiring shall be new and shall be Supervised for open circuits, short circuits, and grounded conditions.

But shall be not less than 16 awg for signaling line circuits and 14 awg For notification appliance circuits.

2.06 instruction charts: printed instruction chart for operators showing steps To be taken when a signal is received (normal, alarm, supervisory, and Trouble). Provide stainless steel or aluminum frame with polycarbonate or Glass cover. Coordinate mounting location with owner.

Part 3 execution

3.01 installation

A. Install all components in accordance with applicable codes, NFPA 72, Nfpa 70, and the contract documents.

B. Conceal all wiring, conduit, boxes, and supports where installed in Finished areas. Install all concealed, inaccessible wiring, including Wiring installed in walls, and all exposed wiring in conduit in Accordance with NFPA 70. Conduits shall not enter the control unit or Any other component provided except where entry is specified by the Manufacturer. Where permitted by the authority having jurisdiction, Wiring may be installed without conduit where accessible and not Subject to damage. Plenum rated cable may be used only where Concealed above accessible tile ceilings or accessible shafts.

C. Obtain owner's approval of locations of devices, before installation.

D. Install instruction cards and labels. Provide legible, permanent Labels for each control device, using identification used in operation And maintenance data.

E. Install products in accordance with manufacturer's instructions.

F. Install control units with top at 72 inches above finished floor, Manual stations with operating handle 4 feet above floor, and Notification appliances with tops at 90 inches above finished floor or 6 inches below finished ceiling, whichever is lower, and automatic Detectors per NFPA 72 requirements.

G. Separate cables from any open conductors of class 1 circuits and do Not place in any conduit, junction box, or raceway containing class 1 Cables.

H. Make connections to sprinkler flow switches, sprinkler valve tamper Switches, fire suppression system control panels, duct smoke Detectors, and corrosion monitoring systems as applicable.

I. Connect duct smoke detectors to close dampers as indicated and shut Down air moving fans on each unit rated equal to or greater than 2,000 Cubic feet per minute or on units serving the same room or area where The total aggregate capacity of the units is equal to or greater than 2,000 cubic feet per minute, or as indicated on the drawings. Interlock duct smoke detectors and relays for global shutdown of all

Room or area where the total circulation equals or exceeds 2,000 cubic Feet per minute.

J. Mount end–of–line device in box with last device or separate box Adjacent to last device in circuit.

3.02 inspection and testing for completion

A. Inspection and testing: notify authority having jurisdiction and Comply with their requirements for scheduling inspections and tests And for observation by their personnel. Perform inspection and Testing in accordance with NFPA 72 and requirements of local Authorities. Document each inspection and test and correct defective Work, adjust for proper operation, and retest until entire system Complies with contract documents.

B. Diagnostic period: after successful completion of inspections and Tests, operate system in normal mode for at least 14 days without any System or equipment malfunctions. Record all system operations and Malfunctions. If a malfunction occurs, start diagnostic period over After correction of malfunction. At end of successful diagnostic Period, fill out and submit NFPA 72 record of completion form.

3.03 personnel instruction: provide hands–on instruction for the owner and Owner's personnel. Furnish the services of instructors and teaching aids And have copies of operation and maintenance data available during instruction.

A. Closeout demonstration: demonstrate proper operation of all functions To owner. Have at least one copy of operation and maintenance data, Copy of project record drawings, input/output matrix, and operator Instruction chart(s) available during demonstration. Demonstration May be combined with inspection and testing required by authority Having jurisdiction. Repeat demonstration until successful.

B. Substantial completion of the project cannot be achieved until Inspection and testing is successful, specified diagnostic period Without malfunction has been completed, all aspects of operation have Been demonstrated to owner, final acceptance of the fire alarm system Has been given by authority having jurisdiction, the occupancy permit Has been granted, and the specified pre–closeout instruction is Complete.

END OF SECTION

2018 IECC COMMISSIONING REQUIREMENT.

C408.3 Functional testing of lighting controls. Automatic lighting controls required by this code shall comply with this section.

C408.3.1 Functional testing. Prior to passing final inspection, the registered design professional shall provide evidence that the lighting control systems have been tested to ensure that control hardware and software are calibrated, adjusted, programmed and in proper working condition in accordance with the construction documents and manufacturer's instructions. Functional testing shall be in accordance with Sections C408.3.1.1 through C408.3.1.3 for the applicable control type.

C408.3.1.1 Occupant sensor controls. Where occupant sensor controls are provided, the following procedures shall be performed:

1. Certify that the occupant sensor has been located and aimed in accordance with manufacturer recommendations.
2. For projects with seven or fewer occupant sensors, each sensor shall be tested.
3. For projects with more than seven occupant sensors, testing shall be done for each unique combination of sensor type and space geometry. Where multiples of each unique combination of sensor type and space geometry are provided, not less than 10 percent and in no case fewer than one, of each combination shall be tested unless the code official or design professional requires a higher percentage to be tested. Where 30 percent or more of the tested controls fail, all remaining identical combinations shall be tested.

For occupant sensor controls to be tested, verify the following:

3.1. Where occupant sensor controls include status indicators, verify correct operation.

3.2. The controlled lights turn off or down to the permitted level within the required time.

3.3. For auto–on occupant sensor controls, the lights turn on to the permitted level when an occupant enters the space.

3.4. For manual–on occupant sensor controls, the lights turn on only when manually activated.

3.5. The lights are not incorrectly turned on by movement in adjacent areas or by HVAC operation.

C408.3.1.2 Time–switch controls. Where time–switch controls are provided, the following procedures shall be performed:

1. Confirm that the time–switch control is programmed with accurate weekday, weekend and holiday schedules.
2. Provide documentation to the owner of timeswitch controls programming including weekday, weekend, holiday schedules, and set–up and preference program settings.
3. Verify the correct time and date in the time switch.
4. Verify that any battery back–up is installed and energized.
5. Verify that the override time limit is set to not more than 2 hours.
6. Simulate occupied condition. Verify and document the following:
   - 6.1. All lights can be turned on and off by their respective area control switch.
   - 6.2. The switch only operates lighting in the enclosed space in which the switch is located.
7. Simulate unoccupied condition. Verify and document the following:
   - 7.1. Nonexempt lighting turns off.
   - 7.2 Manual override switch allows only the lights in the enclosed space where the override switch is located to turn on or remain on until the next scheduled shutoff occurs.
8. Additional testing as specified by the registered design professional.

C408.3.1.3 Daylight responsive controls. Not required for "A–2" Occupancy.

C408.3.2 Documentation requirements. The construction documents shall specify that the documents described in this section be provided to the building owner or owner's authorized agent within 90 days of the date of receipt of the certificate of occupancy.

C408.3.2.1 Drawings. Construction documents shall include the location and catalogue number of each piece of equipment.

C408.3.2.2 Manuals. An operating and maintenance manual shall be provided and include the following:

1. Name and address of not less than one service agency for installed equipment.
2. A narrative of how each system is intended to operate, including recommended setpoints.
3. Submittal data indicating all selected options for each piece of lighting equipment and lighting controls.
4. Operation and maintenance manuals for each piece of lighting equipment. Required routine maintenance actions, cleaning and recommended relamping shall be clearly identified.
5. A schedule for inspecting and recalibrating all lighting controls.

C408.3.2.3 Report. A report of test results shall be provided and include the following:

1. Results of functional performance tests.
2. Disposition of deficiencies found during testing, including details of corrective measures used or proposed.

ISSUE FOR PERMIT

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH CONSTRUCTION AND NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR CONFLICTS.

NO	DATE	DESCRIPTION
1	04.25.25	ISSUE FOR PERMIT
	05.14.25	PERMIT REVISION # 1

STATE OF MISSOURI
GREGORY L. DOFFIN
NUMBER PE-2015022305
PROFESSIONAL ENGINEER

SIGNATURE

05/14/2025 DATE

12/31/2025 EXPIRATION DATE

CERTIFICATION:

ANCHO & AGAVE

SUMMIT FAIR SHOPPING CENTER
D-BUILDING
860-A NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086

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ELECTRICAL SPECIFICATIONS

JOB NO: ANCHO - SUMMIT FAIR

DATE: 04.25.2025

SHEET NO: E3.1

DRAWING INDEX

MECHANICAL GENERAL NOTES

1. MECHANICAL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE LOCAL AUTHORITY'S BUILDING CODES.
2. THE MECHANICAL CONTRACTOR SHALL COORDINATE DUCTWORK INSTALLATION WITH ARCHITECTS/OWNER'S REPRESENTATIVE IN FIELD AND OTHER TRADES.
3. CORE-DRILL OR SAW-CUT OR SLEEVE FLOOR, WALL, ROOF, ETC. AS REQUIRED FOR PIPING OR DUCTWORK AND FIRE STOP OPENING AROUND PIPE OR DUCTWORK. VERIFY LOCATION OF STRUCTURAL BEAMS, JOISTS, ETC. BEFORE DRILLING OR CUTTING. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
4. THE CONTRACTOR SHALL WARRANTEE ALL MATERIAL AND GUARANTEE ALL WORKMANSHIP FOR ONE YEAR FROM SUBSTANTIAL COMPLETION.
5. ALL CONTRACTOR FABRICATED AND MANUFACTURER FABRICATED COMPONENTS OF THE OUTSIDE AIR, SUPPLY AIR, RETURN AIR AND EXHAUST SYSTEMS SHALL BE CONSTRUCTED AND INSTALLED AIR-TIGHT. PIPE OPENINGS IN SYSTEM COMPONENTS SHALL HAVE SHEET METAL BAFFLES, SET IN SEALANT, TO PREVENT LEAKAGE.
6. THE MECHANICAL CONTRACTOR SHALL INSTALL MECHANICAL SYSTEMS AS SHOWN, NOTED AND SPECIFIED. EQUIPMENT MAY NOT BE SUBSTITUTED UNLESS WRITTEN APPROVAL BY THE ARCHITECT, ENGINEER, OR OWNER'S REPRESENTATIVE IS OBTAINED. ANY CHANGES TO THE DUCTWORK LAYOUT WILL NECESSITATE SUBMISSION OF SHEET METAL SHOP DRAWINGS FOR ENGINEER'S REVIEW. ANY UNAUTHORIZED CHANGES WILL BE REMOVED AT CONTRACTOR'S EXPENSE, IF DEEMED NECESSARY BY ARCHITECT, ENGINEER, OR OWNER'S REPRESENTATIVE.
7. DRAWINGS FOR MECHANICAL WORK ARE DIAGRAMATIC, SHOWING THE GENERAL LOCATION, TYPE, LAYOUT AND EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENTS. REFER TO MANUFACTURER'S STANDARD INSTALLATION DRAWINGS FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS AS REQUIRED. FURNISH AND INSTALL DUCTWORK, CONNECTIONS, ACCESSORIES, OFFSETS AND MATERIALS NECESSARY TO FACILITATE THE SYSTEM'S FUNCTIONING AS INDICATED BY THE DESIGN AND THE EQUIPMENT INDICATED. THE WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES AND ORDINANCES AND SUBJECT TO INSPECTION.
8. ALL DUCTWORK AND PIPING THAT IS EXPOSED TO VIEW SHALL BE ROUTED AS HIGH AS POSSIBLE AND TIGHT TO THE UNDERSIDE OF THE STRUCTURE ABOVE, UNLESS OTHERWISE NOTED. VERIFY ELEVATIONS OF EXPOSED DUCTWORK WITH ARCHITECT AND OBTAIN ARCHITECTS APPROVAL PRIOR TO FABRICATION OR INSTALLATION.
9. ALL DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED IRON SHEETMETAL AND BE FABRICATED ACCORDING TO THE S.M.A.C.N.A. LOW VELOCITY DUCT MANUAL, ASHRAE 1996 HANDBOOK VOLUME "HVAC SYSTEMS AND EQUIPMENT". ALL ELBOWS SHALL HAVE PROPER RADIUS, OR MECHANICAL CONTRACTOR SHALL PROVIDE DOUBLE THICKNESS, AIRFOIL TURNING VANES REQUIRED BY S.M.A.C.N.A. NO SQUARE THROAT ELBOWS SHALL BE INSTALLED WITHOUT DOUBLE THICKNESS TURNING VANES.
10. ALL BRANCH SUPPLY, RETURN, EXHAUST DUCTS SHALL HAVE (VD) MANUAL VOLUME DAMPERS INSTALLED FOR BALANCING TO INCLUDE REMOTE OPERATORS FOR INACCESSIBLE LOCATIONS.
11. PROVIDE A VOLUME DAMPER FOR EVERY INLET AND OUTLET (DIFFUSERS, REGISTERS, GRILLES, ETC.) OF THE DUCTWORK DISTRIBUTION SYSTEMS WHETHER SHOWN OR NOT ON THE PLANS. PROVIDE ADDITIONAL VOLUME DAMPERS OR EXTRACTORS AT BRANCH TAKE-OFFS FROM DUCTWORK MAINS AS REQUIRED TO ACHIEVE AIR VOLUME DISTRIBUTION AND BALANCING.
12. ALL DUCT CONNECTIONS TO EQUIPMENT SHALL BE MADE WITH NEOPRENE, DOUBLE COATED, HEAVY GLASS FABRIC, VIBRATION ELIMINATION CONNECTIONS, (F.C.) FLEXIBLE CONNECTIONS, EQUAL TO VENTFABRICS, INC. TYPE VENTGLAS, UNLESS NOTED OTHERWISE.
13. OUTSIDE AIR INTAKES SHALL BE A MINIMUM OF 10'-0" AWAY FROM EXHAUST DISCHARGE OPENINGS AND PLUMBING VENT STACKS.
15. SUPPLY, RETURN AND OUTSIDE AIR RECTANGULAR/SQUARE DUCTWORK SHALL BE MINIMUM R-6, INSULATED WITH 2" THICK FIBERGLASS DUCTWRAP THAT MEETS ASTM E8S STANDARD. SIZES SHOWN ON PLAN ARE INSIDE FREE AREA. ROUND SUPPLY AND RETURN DUCTWORK SHALL BE INSULATED WITH MINIMUM R-6, 2" THICK, FIBERGLASS DUCTWRAP WITH FSK FOIL VAPOR BARRIER THAT MEETS ASTM E8S STANDARD. ROUND SUPPLY AND RETURN DUCTWORK EXPOSED TO VIEW AND LOCATED IN THE CONDITIONED SPACE SHALL NOT BE INSULATED.
16. THE INSULATION SHALL MEET LOCAL ENERGY CODE REGARDLESS OF ABOVE STATEMENT.
17. THE MECHANICAL SYSTEMS SHALL BE COMPLETE WITH ALL NECESSARY APPURTENANCES FOR A COMPLETE OPERATING SYSTEM.
18. MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL CONTROL WIRING AS REQUIRED. THERMOSTATS AND SENSORS SHALL BE AS SPECIFIED, OR AS FURNISHED WITH THE EQUIPMENT. PROVIDE TRANSFORMERS AS REQUIRED.
19. PROVIDE UL APPROVED FIRE DAMPERS FOR ALL PENETRATIONS THROUGH FIRE RATED WALLS, PARTITIONS, CEILINGS, AND FLOORS. INSTALL FIRE DAMPERS AS PER MANUFACTURER'S DIRECTIONS AND AS PER UL GUIDE LINES. PROVIDE ACCESS PANELS IN BUILDING CONSTRUCTION AS REQUIRED FOR SERVICING OF FIRE DAMPERS.
20. MECHANICAL CONTRACTOR SHALL BALANCE SYSTEM TO AIR QUANTITIES SHOWN ON PLAN. BALANCING CONTRACTOR SHALL USE DUCT MOUNTED MANUAL DAMPERS FOR AIR SYSTEM BALANCING.
21. ALL MECHANICAL EQUIPMENT ELECTRICAL'S & STRUCTURAL REQUIREMENTS SHALL BE COORDINATED WITH OTHER TRADES PRIOR TO PURCHASE AND INSTALLATION OF THE UNITS. NOTIFY ARCHITECT/ENGINEER WITH DISCREPANCIES IMMEDIATELY.

MECHANICAL SYMBOLS

DIFFUSER TAG 10"Ø NECK SIZE S1 IDENTIFYER 400 CFM	SUPPLY S1 RETURN R1 EXHAUST E1 TRANSFER T1 NECK SIZE SAME SIZE AS CONNECTING DUCT UNLESS NOTED OTHERWISE
	MANUAL VOLUME DAMPER (VD) RUSKIN MODEL NO. MD-35 OPPOSED BLADE DAMPER OR NO. MDRS-25 MANUAL VOLUME DAMPER WITH LOCKING HAND QUADRANT HANDLE (RAISED PLATFORM FOR EXTERNALLY INSULATED DUCTWORK) AND AIR TIGHT END BEARINGS.
	MANUAL VOLUME DAMPER (VD) WITH REMOTE OPERATOR ROTO-TWIST RT-WGA WORM GEAR ACTUATOR AND MODEL RT-CCR CEILING CUP.
T DEVICE	THERMOSTAT WITH DEVICE CONTROLLED.
SD	SMOKE DETECTOR
	TYPICAL SUPPLY DIFFUSER.
	TYPICAL RETURN OR EXHAUST GRILLE.
	AIRFOIL TURNING VANES, TYPICAL FOR ALL SQUARE TURNS.
*-T	CFM-TRANSFER AIR
*-S	CFM-SUPPLY AIR
*-R	CFM-RETURN AIR
*-OAI	CFM-OUTSIDE AIR
*-E	CFM-EXHAUST AIR
-----CD-----	CONDENSATE DRAINAGE PIPING

MECHANICAL ABBREVIATIONS

ECUH	ELECTRIC CEILING UNIT HEATER
EF	EXHAUST FAN
EHUH	ELECTRIC HORIZONTAL UNIT HEATER
EWUH	ELECTRIC WALL UNIT HEATER
DOAS	DEDICATED OUTDOOR AIR SYSTEM
A.D.	ACCESS DOOR
A.F.F.	ABOVE FINISHED FLOOR
ARCH	ARCHITECT OR ARCHITECTURAL
BLDG	BUILDING
BOT	BOTTOM
CLG	CEILING
COL	COLUMN
CON	CONCRETE
CONST'N	CONSTRUCTION
CONT'R	CONTRACTOR
DET.	DETAIL
DEF	DISHWASHER EXHAUST FAN
DN	DOWN
DWG	DRAWING
EAT	ENTERING AIR TEMPERATURE
EWUH	ELECTRIC WALL-MOUNTED UNIT HEATER
ECUH	ELECTRIC CEILING-MOUNTED UNIT HEATER
EPUH	ELECTRIC PLENUM UNIT HEATER
ETR	EXISTING TO REMAIN
FLR	FLOOR
FC	FLEXIBLE CONNECTION
FOB	FLAT ON BOTTOM
FOT	FLAT ON TOP
GA	CAUGE
KEF	KITCHEN EXHAUST FAN
LAT	LEAVING AIR TEMPERATURE
MT'D	MOUNTED
NTS	NOT TO SCALE
OC	ON CENTER
SS	STAINLESS STEEL
T	THERMOSTAT
TEF	TOILET EXHAUST FAN
TSP	TOTAL STATIC PRESSURE
TV	AIRFOIL TURNING VANES
UCD	1" UNDERCUT DOOR (UNO), SEE ARCH. DWGS.
UNO	UNLESS NOTED OTHERWISE
W/	WITH
Ø	DIAMETER/ROUND
2 PSI 7" W.C.	PRESSURE REGULATOR

ISSUE FOR PROGRESS

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH CONSTRUCTION AND NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR CONFLICTS.

NO	DATE	DESCRIPTION
1	04.25.25	ISSUE FOR PERMIT

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STATE OF MISSOURI
JOSEPH G. THOMAS
NUMBER E-27428
REGISTERED PROFESSIONAL ENGINEER

CERTIFICATION:

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MECHANICAL NOTES, SYMBOLS AND ABBREVIATIONS

JOB NO:	SHEET NO:
ANCHO - SUMMIT FAIR	M1.1
DATE: 04.25.2025	

GAS CONNECTION SCHEDULE

DESIG'N	FIXTURE/EQUIPMENT	QTY.	UNIT DEMAND BTUH	TOTAL DEMAND BTUH	TOTAL CFH	CONNECTION SIZE
DOAS-1	DEDICATED OUTDOOR AIR SYSTEM	1	630,579	630,579	631	1 1/4"
DOAS-2	DEDICATED OUTDOOR AIR SYSTEM	1	630,579	630,579	631	1 1/4"
DOAS-3	DEDICATED OUTDOOR AIR SYSTEM	1	268,968	268,968	269	1"
DOAS-4	DEDICATED OUTDOOR AIR SYSTEM	1	268,968	268,968	269	1"
WH-1	WATER HEATER	1	199,900	199,900	200	3/4"
WH-2	WATER HEATER	1	199,900	199,900	200	3/4"
19	36" SALAMANDER	1	40,000	40,000	40	1/2"
20	60" TORTILLA GRIDDLE	1	140,000	140,000	140	3/4"
59	STACKED CONVECTION OVEN	1	50,000	50,000	50	3/4"
60	RANGE W/OVEN	1	225,000	225,000	225	1"
61	STOCK POT RANGE	1	160,000	160,000	160	3/4"
62	FRYERS	2	150,000	300,000	300	3/4"
69	RANGE W/ CABINET BASE	1	132,000	132,000	132	3/4"
71	FRYERS W/ FILTERS	2	110,000	220,000	220	3/4"
72	TILT SKILLET	1	91,000	91,000	91	3/4"
73	UPRIGHT BROILER	1	80,000	80,000	80	3/4"
74	48" CHEESEMELTER	1	40,000	40,000	40	3/4"
75	72" GRIDDLE	1	168,000	168,000	168	3/4"
78	36" GRIDDLE	1	84,000	84,000	84	3/4"
96	36" CHEESEMELTER	1	30,000	30,000	30	3/4"
98	4 BURNER RANGE	1	164,000	164,000	164	3/4"
101	FRYERS W/ FILTERS	2	70,000	140,000	140	3/4"
2" GAS LINE REQUIRED FROM GAS METER AT A PRESSURE OF 2.0 PSI WITH A PRESSURE DROP OF 1.0 PSI AND TDL OF 300 FT.				4,262,894		

DEDICATED OUTDOOR AIR SYSTEM UNIT SCHEDULE

DESIG'N	SERVICE	MANUFACTURER MODEL NO.	NOMINAL TONS	AIR QUANTITY (CFM)	MAX O.A. CFM	EXTERNAL STATIC PRESSURE ("W.G")	COOLING				HEATING					ELECTRICAL					ISMRE (IEER)	UNIT WEIGHT (LBS)	REMARKS
							E.A.T. (°F DB/WB)	L.A.T. (°F DB/WB)	TOTAL (MBH)	SENSIBLE (MBH)	E.A.T. (°F DB)	L.A.T. (°F DB)	GAS INPUT (CFH)	HEAT OUTPUT (CFH)	THERMAL EFFICIENCY (%)	SUPPLY FAN HP	PH	VOLTAGE	MCA	MOCP			
DOAS-1	DINING	CAPTIVEAIRE CAS-HVAC4-I.700-30-40T-2	40.0	6,125	6,125	0.75	99.0/75.0	47.9/47.9	485	313.3	0.0	70.0	630.6	510.8	81.0	7.5	3	460	93	100	5.9 (17.1)	5767	PROVIDE ELECTRONIC 7-DAY PROGRAMMABLE THERMOSTAT WITH FAULT DETECTION, DIAGNOSTIC SYSTEM AND 20" HIGH ROOF CURB. SHOWN FOR REFERENCE ONLY. SEE CAPTIVEAIRE DRAWINGS FOR MORE INFORMATION.
DOAS-2	DINING	CAPTIVEAIRE CAS-HVAC4-I.700-30-40T-2	40.0	6,125	6,125	0.75	99.0/75.0	47.9/47.9	485	313.3	0.0	70.0	630.6	510.8	81.0	7.5	3	460	93	100	5.9 (17.1)	5767	PROVIDE ELECTRONIC 7-DAY PROGRAMMABLE THERMOSTAT WITH FAULT DETECTION, DIAGNOSTIC SYSTEM AND 20" HIGH ROOF CURB. SHOWN FOR REFERENCE ONLY. SEE CAPTIVEAIRE DRAWINGS FOR MORE INFORMATION.
DOAS-3	KITCHEN	CAPTIVEAIRE CAS-HVAC2-I.300-18-13T	13.0	3,237	1,521	0.75	99.0/75.0	53.9/53.1	147.4	107.0	0.0	70.0	269.0	217.9	81.0	3	3	460	39	40	5.5 (14.2)	2263	PROVIDE ELECTRONIC 7-DAY PROGRAMMABLE THERMOSTAT WITH FAULT DETECTION, DIAGNOSTIC SYSTEM AND 20" HIGH ROOF CURB. SHOWN FOR REFERENCE ONLY. SEE CAPTIVEAIRE DRAWINGS FOR MORE INFORMATION.
DOAS-4	KITCHEN	CAPTIVEAIRE CAS-HVAC2-I.300-18-13T	13.0	3,237	1,521	0.75	99.0/75.0	53.9/53.1	147.4	107.0	0.0	70.0	269.0	217.9	81.0	3	3	460	39	40	5.5 (14.2)	2263	PROVIDE ELECTRONIC 7-DAY PROGRAMMABLE THERMOSTAT WITH FAULT DETECTION, DIAGNOSTIC SYSTEM AND 20" HIGH ROOF CURB. SHOWN FOR REFERENCE ONLY. SEE CAPTIVEAIRE DRAWINGS FOR MORE INFORMATION.

AIR BALANCE SCHEDULE

COMPONENT	SUPPLY CFM	RETURN CFM	OUTDOOR AIR CFM	EXHAUST CFM	
DOAS-1	6125	0	6125		
DOAS-2	6125	0	6125		
DOAS-3	3137	1616	1521		
DOAS-4	3137	1616	1521		
EF-1	0	1125	0	-1125	
EF-2	0	4583	0	-4583	
EF-3	0	4100	0	-4100	
EF-4	0	2000	0	-2000	
EF-5	0	420	0	-420	
EF-6	0	140	0	-140	
EF-7	0	50	0	-50	RESULTING BUILDING PRESSURE
EF-8	0	1000	0	-1000	
TOTAL	18524	16650	15292	-13418	1874

EXHAUST FAN SCHEDULE

DESIG'N	SERVICE	MANUFACTURER	MODEL NO.	TYPE	CFM	EXTERNAL STATIC PRESSURE ("W.C.)	ELECTRICAL			FAN DRIVE	BACKDRAFT DAMPER	OPERATING WEIGHT (LBS)	REMARKS
							MOTOR HP (WATTS)	VOLTAGE	PHASE (Ø)				
EF-1	TYPE II HOOD	CAPTIVEAIRE	DU50HFA	ROOF MOUNTED	1,125	0.25	0.5	115	1	DIRECT	NONE	113	SHOWN FOR REFERENCE ONLY. SEE CAPTIVEAIRE DRAWINGS FOR MORE INFORMATION.
EF-2	TYPE I HOOD	CAPTIVEAIRE	DU240HFA	ROOF MOUNTED	4,583	0.75	3	460	1	DIRECT	NONE	349	SHOWN FOR REFERENCE ONLY. SEE CAPTIVEAIRE DRAWINGS FOR MORE INFORMATION.
EF-3	TYPE I HOOD	CAPTIVEAIRE	DU240HFA	ROOF MOUNTED	4,100	0.65	2	460	1	DIRECT	NONE	297	SHOWN FOR REFERENCE ONLY. SEE CAPTIVEAIRE DRAWINGS FOR MORE INFORMATION.
EF-4	TYPE I HOOD	CAPTIVEAIRE	DU85HFA	ROOF MOUNTED	2,000	0.65	0.75	460	3	DIRECT	NONE	138	SHOWN FOR REFERENCE ONLY. SEE CAPTIVEAIRE DRAWINGS FOR MORE INFORMATION.
EF-5	BATHROOM	CAPTIVEAIRE	DR12HFA	ROOF MOUNTED	420	0.50	0.25	115	1	DIRECT	INTEGRAL	74	SHOWN FOR REFERENCE ONLY. SEE CAPTIVEAIRE DRAWINGS FOR MORE INFORMATION.
EF-6	BATHROOM	CAPTIVEAIRE	DR12HFA	ROOF MOUNTED	140	0.50	0.25	115	1	DIRECT	INTEGRAL	74	SHOWN FOR REFERENCE ONLY. SEE CAPTIVEAIRE DRAWINGS FOR MORE INFORMATION.
EF-7	MOP	LOREN COOK	GC-146	CEILING	50	0.50	(31)	115	1	DIRECT	INTEGRAL	12	WHITE PLASTIC GRILLE, ISOLATOR DISCONNECT. RUN'S CONTENTIOUSLY.
EF-8	ELECTRICAL ROOM	LOREN COOK	ACE-D-120C15D	ROOF	1,000	0.70	1/4	115	1	DIRECT	INTEGRAL	54	ROOF CURB, BACKDRAFT DAMPER, DISCONNECT. INTERLOCK WITH THERMOSTAT (90°F).

NOTES:
1. ALL MOTORS SHALL BE 'ODP' WITH 1.15 SERVICE FACTOR, UNLESS OTHERWISE NOTED.

VENTILATION AIR SCHEDULE

ROOM #	AREA (S.F.)	ROOM NAME	CODE NAME	TOILET ROOM # WC+UR	AIRFLOW RATE		OCC. DENSITY PER/1000 SF	EXHAUST RATE		REQUIRED OUTDOOR VENTILATION AIR & NUMBER OF PEOPLE				REMARKS
					CFM/ PERSON	CFM/SF		CFM/SF	CFM/FIXT	# OF PERSONS	OA(PER)	OA(SF)	TOTAL OA	
100	106	VESTIBULE	CORRIDORS (PUBLIC SPACES)		0	0.06	0	0	0	0	0	6.36	6.36	
101	257	HOST	LOBBIES (HOTELS,MOTELS,RESORT, DORM)		7.5	0.06	0	0	0	2	15	15.42	30.42	
102	1535	MAIN DINING	DINING ROOM (FOOD/BEV SERVICE)		7.5	0.18	70	0	0	68	510	276.3	786.3	
103	56	EXPO	KITCHENS (COOKING) (FOOD/BEV SERVICE)		0	0	0	0.7	0	0	0	0	0	
104	40	BEVERAGE	CAFETERIA, FAST FOOD (FOOD/BEV SERVICE)		7.5	0.18	100	0	0	1	7.5	7.2	14.7	
105	1166	BAR	BAR, COCTAIL LOUNGE (FOOD/BEV SERVICE)		7.5	0.18	100	0	0	45	337.5	209.88	547.38	
106	606	BAR DINING	DINING ROOM (FOOD/BEV SERVICE)		7.5	0.18	70	0	0	32	240	109.08	349.08	
107	199	LOUNGE	DINING ROOM (FOOD/BEV SERVICE)		7.5	0.18	70	0	0	10	75	35.82	110.82	
108	85	CORRIDOR 1	CORRIDORS (PUBLIC SPACES)		0	0.06	0	0	0	0	0	5.1	5.1	
109	25	MOP	TOILET ROOMS (PUBLIC SPACES)		0	0	0	0	70	0	0	0	0	
110	160	MEN'S TOILET	TOILET ROOMS (PUBLIC SPACES)	3	0	0	0	0	70	0	0	0	0	
111	148	WOMEN'S TOILET	TOILET ROOMS (PUBLIC SPACES)	3	0	0	0	0	70	0	0	0	0	
112	114	CHIP/ WRAP	KITCHENS (COOKING) (FOOD/BEV SERVICE)		0	0	0	0.7	0	1	0	0	0	
113	43	KITHCEN ENTRY	KITCHENS (COOKING) (FOOD/BEV SERVICE)		0	0	0	0.7	0	0	0	0	0	
114	208	APP COOK LINE	KITCHENS (COOKING) (FOOD/BEV SERVICE)		0	0	0	0.7	0	4	0	0	0	
115	487	COOK LINE 2	KITCHENS (COOKING) (FOOD/BEV SERVICE)		0	0	0	0.7	0	6	0	0	0	
116	76	PREP	KITCHENS (COOKING) (FOOD/BEV SERVICE)		0	0	0	0.7	0	0	0	0	0	
117	329	COOLER	---		0	0	0	0	0	0	0	0	0	
118	506	COOK LINE 1.1	KITCHENS (COOKING) (FOOD/BEV SERVICE)		0	0	0	0.7	0	7	0	0	0	
119	166	DISH	KITCHENS (COOKING) (FOOD/BEV SERVICE)		0	0	0	0.7	0	0	0	0	0	
120	160	POT WASH	KITCHENS (COOKING) (FOOD/BEV SERVICE)		0	0	0	0.7	0	0	0	0	0	
121	85	ICE	---		0	0	0	0	0	0	0	0	0	
122	63	STORAGE 1	STORAGE ROOMS (RETAIL)		0	0.12	0	0	0	0	0	7.56	7.56	
123	56	OFFICE	OFFICE SPACES (OFFICES)		5	0.06	5	0	0	1	5	3.36	8.36	
124	43	MOP	TOILET ROOMS (PUBLIC SPACES)		0	0	0	0	70	0	0	0	0	
125	48	EMPLOYEE TOILET 1	TOILET ROOMS (PUBLIC SPACES)	1	0	0	0	0	70	0	0	0	0	
126	48	EMPLOYEE TOILET 2	TOILET ROOMS (PUBLIC SPACES)	1	0	0	0	0	70	0	0	0	0	
127	42	ELECTRICAL	STORAGE ROOMS (RETAIL)		0	0.12	0	0	0	0	0	5.04	5.04	
128	311	STORAGE 2	STORAGE ROOMS (RETAIL)		0	0.12	0	0	0	0	0	37.32	37.32	

UNIT HEATER SCHEDULE - ELECTRIC

DESIG'N	SERVICE	MFR.	MODEL NO.	SIZE (kW)	HEAT OUTPUT (BTU/HR)	DIMENSIONS			ELECTRICAL			MOUNTING TYPE	MOUNTING HEIGHT	REMARKS
						WIDTH (IN)	HEIGHT (IN)	DEPTH (IN)	VOLTAGE	PHASE (Ø)	AMPS			
EWUH-1	MEN'S RESTROOM	QMARK	AWH4507F	4.8	16378	15-3/4	19-5/16	4	277	1	17.3	WALL	12" A.F.F	RECESSED MOUNTING, INTEGRAL THERMOSTAT.
EWUH-2	WOMEN'S RESTROOM	QMARK	AWH4507F	4.8	16378	15-3/4	19-5/16	4	277	1	17.3	WALL	12" A.F.F	RECESSED MOUNTING, INTEGRAL THERMOSTAT.
ECUH-1	VESTIBULE	QMARK	CDF547	4.0	13649	23-3/4	23-3/4	7	277	1	14.4	CEILING	-	RECESSEO MOUNTING, WALL MOUNTED THERMOSTAT. NAVAJO WHITE COLOR.

DIFFUSER AND GRILLE SCHEDULE

PLAN MARK	SERVICE	MODULE	BLADE	MOUNTING LOCATION	FASTENING	MOUNTING FRAME	MATERIAL	FINISH	MANUFACTURER	MODEL NO.	REMARKS
S-1	SUPPLY	SEE PLANS	DOUBLE DEFLECTION	DUCT	SURFACE	TYPE 1	ALUMINUM	NO. 26 WHITE	TITUS	US300FL	PROVIDE AIR SCOOP DAMPER, ASD
S-2	SUPPLY	6'-0" LONG	1" SLOT WIDTH 1 SLOT	OPEN CEILING	---	---	ALUMINUM	NO. 26 WHITE	TITUS	FL-10-JT	PROVIDE TITUS FPB INSULATED PLENUM WITH OULET SIZE PER DUCT SIZE. HANG FROM STRUCTURE ABOVE. PROVIDE THREADED RODS.
S-3	SUPPLY	24X24	PERFORATED FACE	CEILING	LAY-IN	TYPE 3	ALUMINUM	NO. 26 WHITE	TITUS	PAS-AA	REMOVE PATTERN CONTROLLER & DEFLECTORS.
S-4	SUPPLY	24X24	LOUVERED FACE	CEILING	SURFACE/ LAY-IN	TYPE 1/ TYPE 3	ALUMINUM	NO. 26 WHITE	TITUS	TDC-AA	PROVIDE WITH RAPID MOUNT FRAME & OPPOSED BLADE DAMPER
S-5	SUPPLY	12X12	LOUVERED FACE	CEILING	SURFACE	TYPE 1	ALUMINUM	NO. 26 WHITE	TITUS	TDC-AA	PROVIDE WITH RAPID MOUNT FRAME & OPPOSED BLADE DAMPER
R-1	RETURN	SEE PLANS	FIXED LOUVER	DUCT	SURFACE	TYPE 1	ALUMINUM	NO. 26 WHITE	TITUS	355 FL	
R-2	RETURN	24X24	1"X1"X1" EGG CRATE	CEILING	LAY-IN	TYPE 3	ALUMINUM	NO. 26 WHITE	TITUS	50F	PROVIDE OPPOSED BLADE DAMPER.
E-1	EXHAUST	SEE PLANS	1"X1"X1" EGG CRATE	CEILING	SURFACE	TYPE 1	ALUMINUM	NO. 26 WHITE	TITUS	50F	
T-1	TRANSFER	SEE PLANS	FIXED LOUVER	CEILING	SURFACE	TYPE 1	ALUMINUM	NO. 26 WHITE	TITUS	355 FL	PROVIDE WITH RAPID MOUNT FRAME.
T-2	TRANSFER	SEE PLANS	FIXED LOUVER	WALL	SURFACE	TYPE 1	ALUMINUM	NO. 26 WHITE	TITUS	355 FL	PROVIDE WITH RAPID MOUNT FRAME.

ISSUE FOR PROGRESS

NO	DATE	DESCRIPTION
1	04.25.25	ISSUE FOR PERMIT

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STATE OF MISSOURI
JOSEPH G. THOMAS
NUMBER E-27428
REGISTERED PROFESSIONAL ENGINEER

CERTIFICATION:

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MECHANICAL SCHEDULES

JOB NO:	SHEET NO:
ANCHO - SUMMIT FAIR	M1.2
DATE: 04.25.2025	

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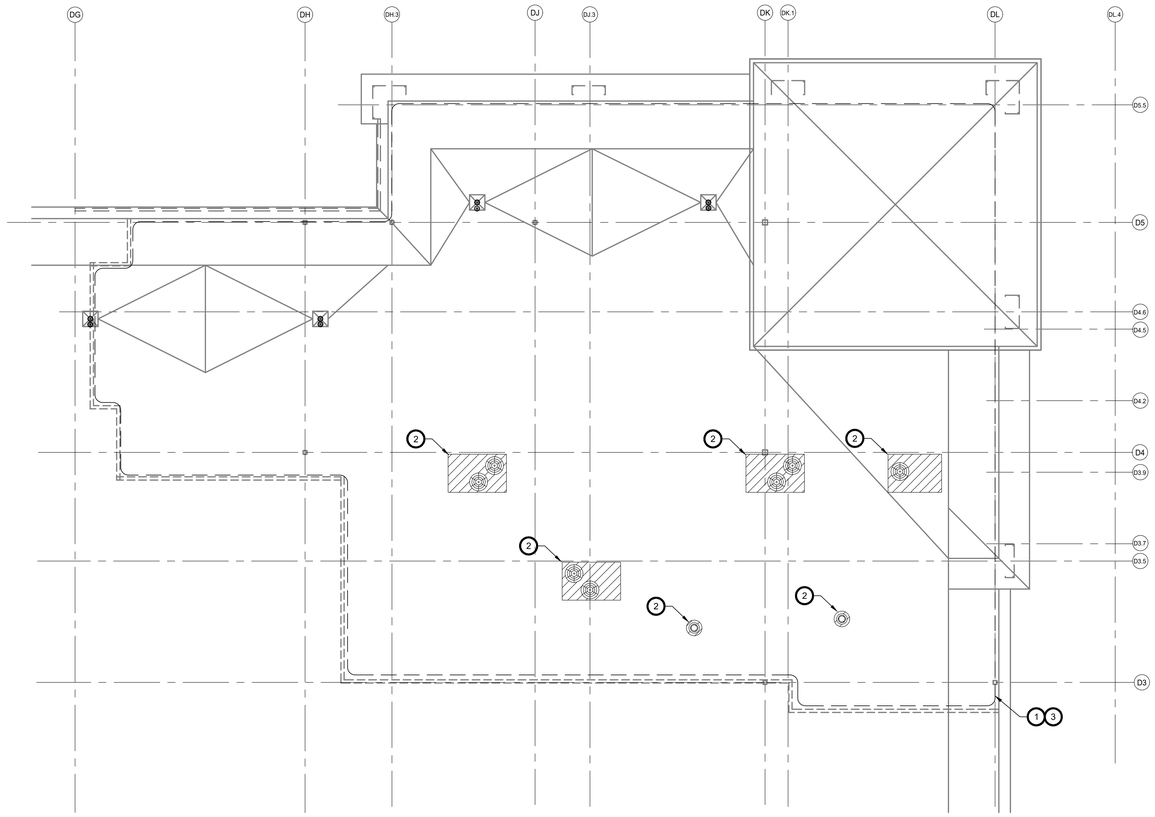
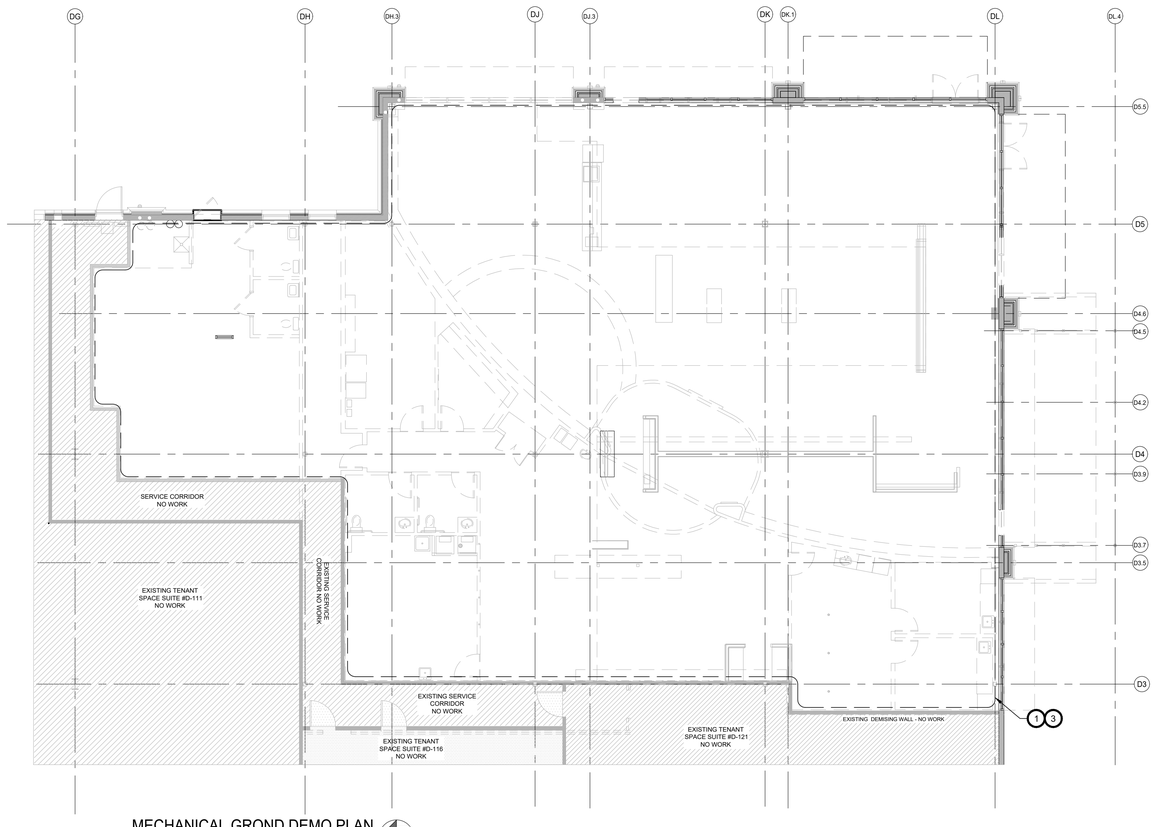


MECHANICAL ROODF DEMO PLAN

SCALE: 1/8" = 1'-0"

NORTH



MECHANICAL GROND DEMO PLAN

SCALE: 1/8" = 1'-0"

NORTH

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LEGEND

(R)	TO BE REMOVED
(ETR)	EXISTING TO REMAIN

PLAN NOTES

1. REMOVE ALL DUCTWORK, DIFFUSERS, THERMOSTATS, SENSORS, AND ASSOCIATED COMPONENTS FROM THIS AREA. DEMOLISHED MATERIALS SHALL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH APPLICABLE REGULATIONS.
2. REMOVE ROOF EQUIPMENT AND PATCH ROOF TO MATCH EXISTING. FIELD VERIFY EXIST LOCATIONS.
3. ALL OPENINGS IN FLOORS, WALLS, CEILINGS, ROOFS, ETC., RESULTING FROM REMOVAL OF PIPING, DUCTWORK, EQUIPMENT, OR FIXTURES SHALL BE PATCHED TO MATCH THE EXISTING BUILDING CONSTRUCTION. REPAIR WORK SHALL BE PERFORMED BY CRAFTSMEN SKILLED IN THEIR RESPECTIVE TRADES.

EXISTING CONDITIONS NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD SURVEY AND DOCUMENTING OF EXISTING SYSTEMS. THESE CONTRACT DRAWINGS SHALL SERVE AS GUIDANCE FOR THE CONTRACTOR ALONG WITH FIELD SURVEY INFORMATION TO INSTALL THE DISTRIBUTION SYSTEMS REQUIRED FOR THE NEW EQUIPMENT AND DEVICES. CONTRACTOR SHALL ALSO BE RESPONSIBLE TO PROVIDE AS-BUILT DRAWINGS OF ALL EXISTING AND NEW SYSTEMS.
2. REFER TO THE ARCHITECTURAL DRAWINGS FOR WALLS, CEILINGS, ETC. THAT ARE BEING REMOVED. ALL EXISTING SYSTEMS INCLUDING PIPING, WIRING, ANCHORING, ETC. THAT ARE EXPOSED SHOULD BE REMOVED OR RELOCATED.

THE CONTRACTORS ARE REQUIRED TO VISIT THE SITE AND FULLY ACQUAINT THEMSELVES WITH THE EXISTING CONDITIONS AND THE DIFFICULTIES INVOLVED IN ACCOMPLISHING THE NEW WORK. PROBLEMS, DISCREPANCIES OR INFORMATION NEEDED SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER IN WRITING PRIOR TO SUBMITTING A PROPOSAL THE SUBMISSION OF PROPOSAL WILL INDICATE THAT THE CONTRACTOR HAS FULLY UNDERSTOOD AND HAS INCLUDED ALL COSTS FOR THIS PROJECT.

ISSUE FOR PROGRESS

OWNER RELEASE: I HAVE REVIEWED THESE DRAWINGS FOR DESIGN INTENT AND HEREBY CERTIFY THAT THEY CONFORM IN ALL RESPECTS TO MY DESIGN CRITERIA AND ARE APPROVED.

BY_____ DATE_____

THESE DRAWINGS MAY HAVE BEEN REPRODUCED AT A SIZE DIFFERENTLY THAN ORIGINALLY DRAWN. OWNER AND ARCHITECT ASSUME NO RESPONSIBILITY FOR USE OF INCORRECT SCALE.

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH CONSTRUCTION AND NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR CONFLICTS.

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1	04.25.25	ISSUE FOR PERMIT

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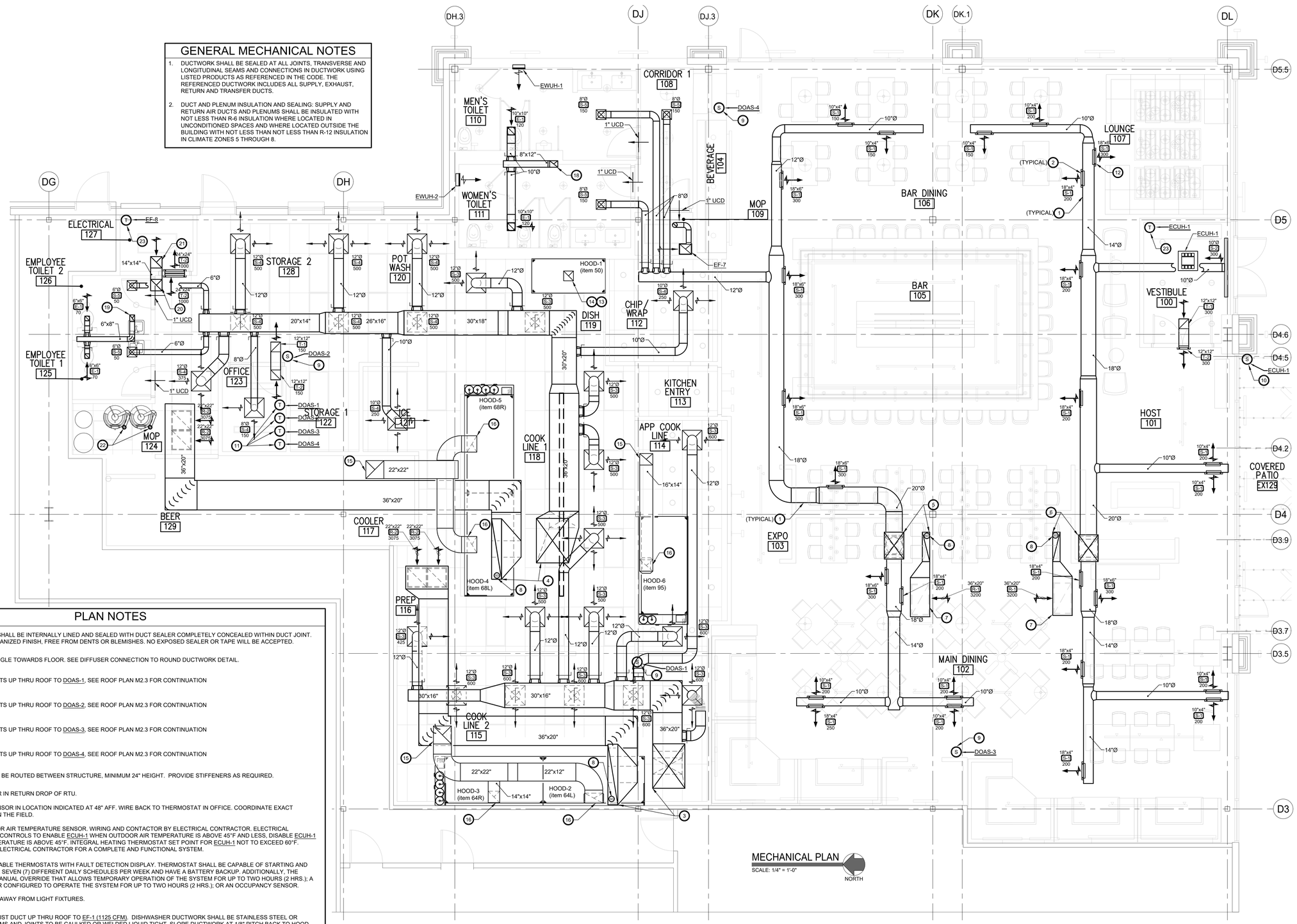
MECHANICAL DEMO PLAN

JOB NO:	SHEET NO:
ANCHO - SUMMIT FAIR	M2.0
DATE: 04.25.2025	

GENERAL MECHANICAL NOTES

1. DUCTWORK SHALL BE SEALED AT ALL JOINTS, TRANSVERSE AND LONGITUDINAL SEAMS AND CONNECTIONS IN DUCTWORK USING LISTED PRODUCTS AS REFERENCED IN THE CODE. THE REFERENCED DUCTWORK INCLUDES ALL SUPPLY, EXHAUST, RETURN AND TRANSFER DUCTS.

2. DUCT AND PLENUM INSULATION AND SEALING: SUPPLY AND RETURN AIR DUCTS AND PLENUMS SHALL BE INSULATED WITH NOT LESS THAN R-6 INSULATION WHERE LOCATED IN UNCONDITIONED SPACES AND WHERE LOCATED OUTSIDE THE BUILDING WITH NOT LESS THAN NOT LESS THAN R-12 INSULATION IN CLIMATE ZONES 5 THROUGH 8.



PLAN NOTES

1. ALL EXPOSED DUCTWORK SHALL BE INTERNALLY LINED AND SEALED WITH DUCT SEALER COMPLETELY CONCEALED WITHIN DUCT JOINT. DUCTWORK SHALL BE GALVANIZED FINISH, FREE FROM DENTS OR BLEMISHES. NO EXPOSED SEALER OR TAPE WILL BE ACCEPTED.
2. MOUNT DIFFUSER AT 20° ANGLE TOWARDS FLOOR. SEE DIFFUSER CONNECTION TO ROUND DUCTWORK DETAIL.
3. SUPPLY AND RETURN DUCTS UP THRU ROOF TO DOAS-1, SEE ROOF PLAN M2.3 FOR CONTINUATION
4. SUPPLY AND RETURN DUCTS UP THRU ROOF TO DOAS-2, SEE ROOF PLAN M2.3 FOR CONTINUATION
5. SUPPLY AND RETURN DUCTS UP THRU ROOF TO DOAS-3, SEE ROOF PLAN M2.3 FOR CONTINUATION
6. SUPPLY AND RETURN DUCTS UP THRU ROOF TO DOAS-4, SEE ROOF PLAN M2.3 FOR CONTINUATION
7. 3200 CFM RETURN DUCT TO BE ROUTED BETWEEN STRUCTURE, MINIMUM 24" HEIGHT. PROVIDE STIFFENERS AS REQUIRED.
8. PROVIDE SMOKE DETECTOR IN RETURN DROP OF RTU.
9. PROVIDE TEMPERATURE SENSOR IN LOCATION INDICATED AT 48" AFF. WIRE BACK TO THERMOSTAT IN OFFICE. COORDINATE EXACT LOCATION WITH DESIGNER IN THE FIELD.
10. PROVIDE 120 VOLT OUTDOOR AIR TEMPERATURE SENSOR. WIRING AND CONTACTOR BY ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR TO PROVIDE CONTROLS TO ENABLE ECUH-1 WHEN OUTDOOR AIR TEMPERATURE IS ABOVE 45°F AND LESS, DISABLE ECUH-1 WHEN OUTDOOR AIR TEMPERATURE IS ABOVE 45°F. INTEGRAL HEATING THERMOSTAT SET POINT FOR ECUH-1 NOT TO EXCEED 60°F. COORDINATE WORK WITH ELECTRICAL CONTRACTOR FOR A COMPLETE AND FUNCTIONAL SYSTEM.
11. PROVIDE 7-DAY PROGRAMMABLE THERMOSTATS WITH FAULT DETECTION DISPLAY. THERMOSTAT SHALL BE CAPABLE OF STARTING AND STOPPING THE SYSTEM FOR SEVEN (7) DIFFERENT DAILY SCHEDULES PER WEEK AND HAVE A BATTERY BACKUP. ADDITIONALLY, THE CONTROLS SHALL HAVE A MANUAL OVERRIDE THAT ALLOWS TEMPORARY OPERATION OF THE SYSTEM FOR UP TO TWO HOURS (2 HRS.); A MANUALLY OPERATED TIMER CONFIGURED TO OPERATE THE SYSTEM FOR UP TO TWO HOURS (2 HRS.); OR AN OCCUPANCY SENSOR.
12. ADJUST DIFFUSERS BLADES AWAY FROM LIGHT FIXTURES.
13. 12"x12" DISHWASHER EXHAUST DUCT UP THRU ROOF TO EF-1 (1125 CFM). DISHWASHER DUCTWORK SHALL BE STAINLESS STEEL OR ALUMINUM DUCTWORK. SEAMS AND JOINTS TO BE CAULKED OR WELDED LIQUID TIGHT. SLOPE DUCTWORK AT 1/8" PITCH BACK TO HOOD.
14. 12"x12" ALUMINUM OR STAINLESS STEEL DUCTWORK DOWN TO HOOD EXHAUST DUCTWORK OPENING. PROVIDE FINAL CONNECTION.
15. 16 GAGE BLACK IRON STEEL EXHAUST DUCTWORK UP THRU ROOF. PROVIDE FINAL CONNECTION. PROVIDE 2 LAYERS OF GREASE DUCT INSULATION PER THE DETAIL ON M3.2 SHEET. PROVIDE ACCESS PANEL PER THE DETAIL AND CODE.
16. 16 GAGE BLACK IRON STEEL EXHAUST DUCTWORK DOWN TO HOOD EXHAUST DUCTWORK OPENING. PROVIDE FINAL CONNECTION. PROVIDE 2 LAYERS OF GREASE DUCT INSULATION PER THE DETAIL ON M3.2 SHEET. PROVIDE ACCESS PANEL PER THE DETAIL AND CODE.
17. PROVIDE THERMOSTAT IN LOCATION INDICATED AT 48" AFF. WIRE BACK TO ECUH-1. COORDINATE EXACT LOCATION WITH DESIGNER IN THE FIELD.
18. 12"x8" BATHROOM EXHAUST DUCT UP THRU ROOF TO EF-5 (420 CFM). SEE DETAIL.
19. 6"x8" BATHROOM EXHAUST DUCT UP THRU ROOF TO EF-6 (140 CFM). SEE DETAIL.
20. 6"x8" EXHAUST DUCT UP THRU ROOF TO EF-7 (1000 CFM). SEE DETAIL.
21. 1,000 CFM EXHAUST DUCT TO BE ROUTED IN ELECTRICAL ROOM. PROVIDE 14"X14" OPENING IN BOTTOM OF DUCT. COVER WITH 1/2"X1/2" WIRE SCREEN. PROVIDE STIFFENERS AS REQUIRED.
22. 4"Ø PVC WATER HEATER CONCENTRIC VENT THRU ROOF. SEE DETAIL ON M3.2 SHEET. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
23. PROVIDE THERMOSTAT IN LOCATION INDICATED AT 48" AFF. WIRE BACK TO INDICATED UNIT. COORDINATE EXACT LOCATION WITH DESIGNER IN THE FIELD.

MECHANICAL PLAN
SCALE: 1/4" = 1'-0"

ISSUE FOR PROGRESS

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MECHANICAL PLAN

JOB NO:	SHEET NO:
ANCHO - SUMMIT FAIR	M2.1
DATE: 04.25.2025	

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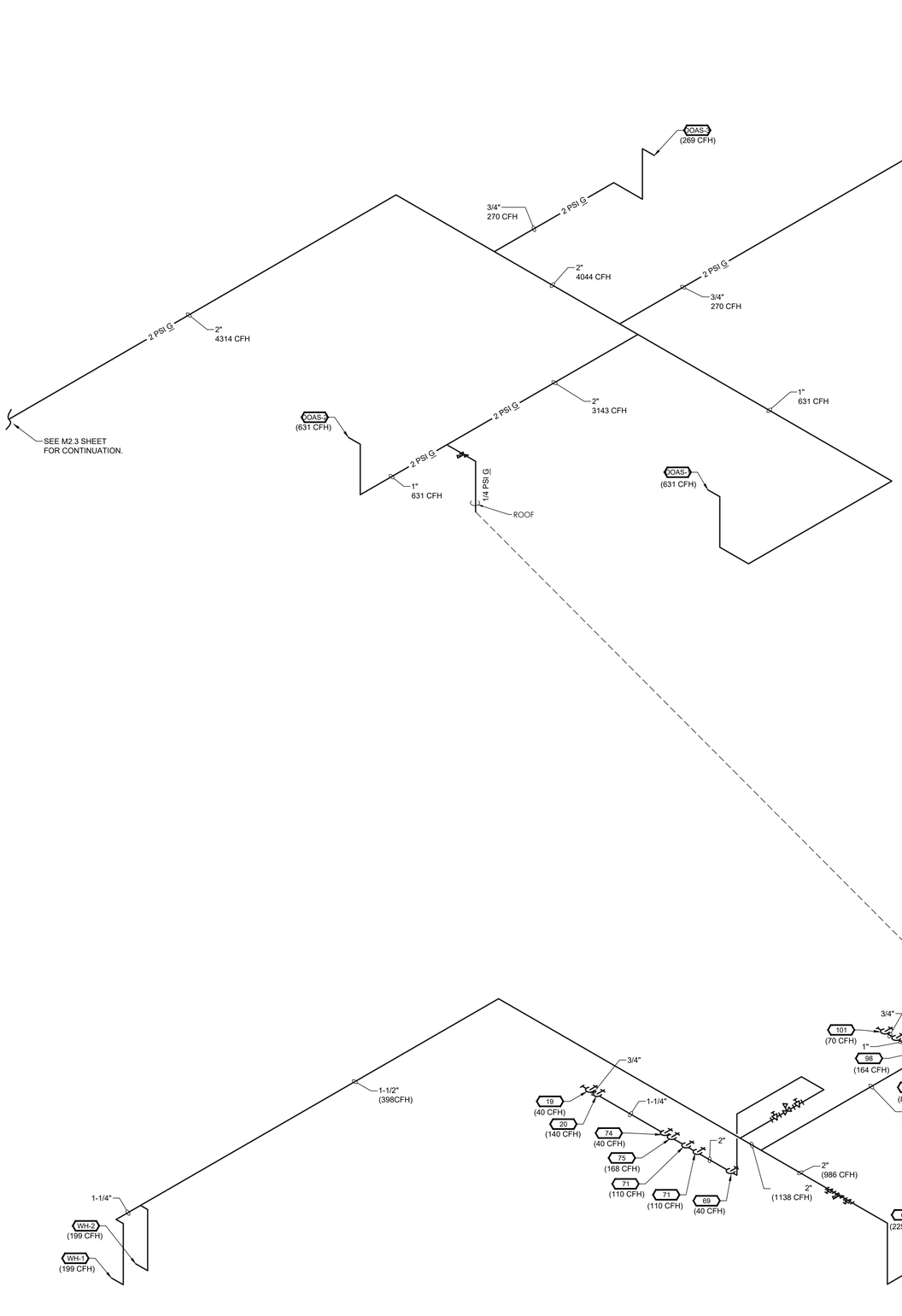
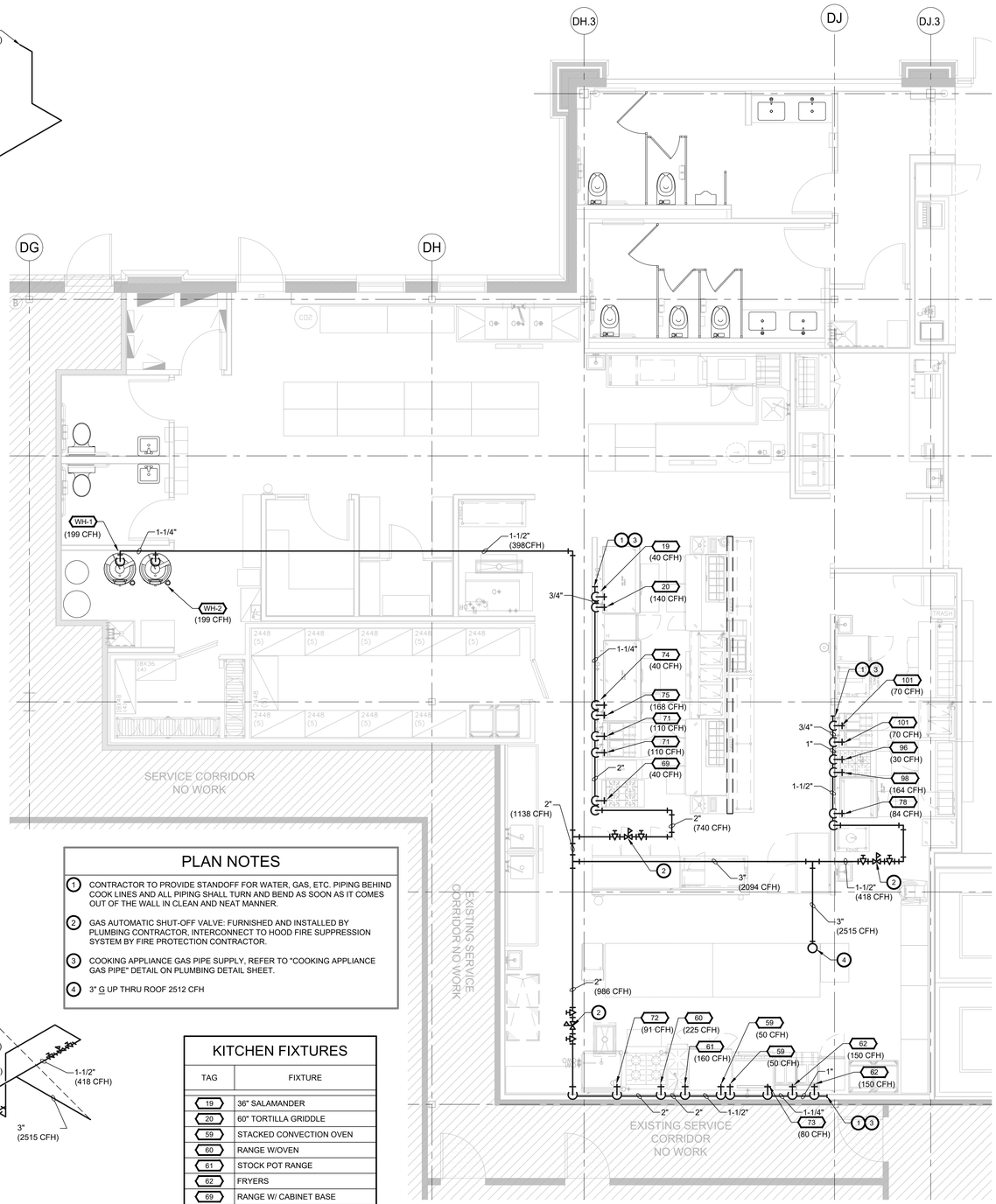




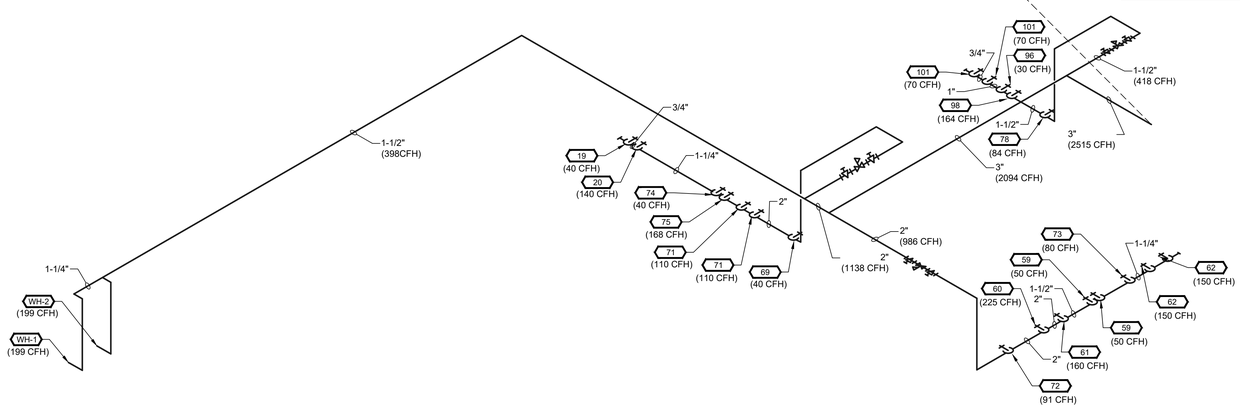
PLAN NOTES

1. CONTRACTOR TO PROVIDE STANDOFF FOR WATER, GAS, ETC. PIPING BEHIND COOK LINES AND ALL PIPING SHALL TURN AND BEND AS SOON AS IT COMES OUT OF THE WALL IN CLEAN AND NEAT MANNER.
2. GAS AUTOMATIC SHUT-OFF VALVE: FURNISHED AND INSTALLED BY PLUMBING CONTRACTOR, INTERCONNECT TO HOOD FIRE SUPPRESSION SYSTEM BY FIRE PROTECTION CONTRACTOR.
3. COOKING APPLIANCE GAS PIPE SUPPLY, REFER TO "COOKING APPLIANCE GAS PIPE" DETAIL ON PLUMBING DETAIL SHEET.
4. 3" G UP THRU ROOF 2512 CFH

KITCHEN FIXTURES

TAG	FIXTURE
19	36" SALAMANDER
20	60" TORTILLA GRIDDLE
59	STACKED CONVECTION OVEN
60	RANGE W/OVEN
61	STOCK POT RANGE
62	FRYERS
69	RANGE W/ CABINET BASE
71	FRYERS W/ FILTERS
72	TILT SKILLET
73	UPRIGHT BROILER
74	48" CHEESEMELTER
75	72" GRIDDLE
78	36" GRIDDLE
96	36" CHEESEMELTER
98	4 BURNER RANGE
101	FRYERS W/ FILTERS

SEE KITCHEN DRAWINGS FOR ADDITIONAL INFORMATION



ISO - GAS

SCALE: NTS

MECHANICAL PLAN - GAS

SCALE: 1/4" = 1'-0"

NORTH

ISSUE FOR PROGRESS

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MECHANICAL GAS PLAN

JOB NO:	SHEET NO:
ANCHO - SUMMIT FAIR	M2.2
DATE: 04.25.2025	

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DG DH DH.3 DJ DJ.3 DK DK.1 DL DL.4

D5.5 D5 D4.6 D4.5 D4.2 D4 D3.9 D3.7 D3.5 D3

EF-5 (2)
EXISTING ROOF DRAIN
EF-1 (2)
4" VTR
EXISTING ROOF DRAIN
1-1/2"
CD
4" VTR
EF-8 (3)
EF-6 (2)
EXISTING ROOF DRAIN
EXISTING ROOF DRAIN
1-1/2"
CD
4" VTR
(5)
2 PSI G
2"
4314 CFH
(9)
2 PSI G
(7) WATER HEATER VENT
(7) WATER HEATER VENT
WALK IN FREEZER CONDENSER UNIT, SEE KITCHEN DRAWING. PROVIDE ROOF CURB, SEE DETAIL.
WALK IN COOLER CONDENSER UNIT, SEE KITCHEN DRAWING, PROVIDE ROOF CURB, SEE DETAIL.
EF-3 (2)
(6)
1-1/2"
EF-4 (2)
2 PSI G
2"
4314 CFH
1-1/2"
CD
CLEANOUT, TYPICAL
3/4"
270 CFH
(6)
2 PSI G
1"
1"
DOAS-4
270 CFH
DOAS-2
FRESH AIR INTAKE
(1)
(9)
2"
4044 CFH
1"
1"
631 CFH
2 PSI G
2"
3143 CFH
(6) (TYPICAL)
(4)
3" G DN
(2512 CFH)
2 PSI G
3/4"
270 CFH
DOAS-3
270 CFH
FRESH AIR INTAKE
(9)
1"
CD
2 PSI G
GAS CONNECTION, SEE DETAIL (TYPICAL)
PRV (TYPICAL)
1"
631 CFH
2 PSI G
CD
1"
(6)
EF-2 (2)
DOAS-1
CONDENSATE PIPING CONNECTION, SEE DETAIL (TYPICAL)
FRESH AIR INTAKE
(9)

PLAN NOTES

1. INSTALL ROOFTOP UNIT ON ROOF CURB. COORDINATE UNIT WITH STRUCTURE. SHIM UNIT AND CURB LEVEL FOR PROPER CONDENSATE DRAINAGE. PROVIDE FLEXIBLE CONNECTORS ON THE SUPPLY AND RETURN AIR DUCT CONNECTIONS. TRANSITION TO DUCT SIZES SHOWN ON SHEET M2.1. PROVIDE DUCTWORK AND AIR DISTRIBUTION DEVICES AS INDICATED ON THE PLAN. REFER TO ROOFTOP UNIT SCHEDULE FOR ADDITIONAL REQUIREMENTS.
2. INSTALL KITCHEN EXHAUST FAN FURNISHED BY CAPTIVEAIRE. SEE CAPTIVEAIRE DRAWINGS FOR MORE INFORMATION.
3. PROVIDE EXHAUST FAN PER SCHEDULE. FAN SPEED CONTROLLER INCLUDED FOR BALANCING PURPOSE.
4. GENERAL CONTRADICTOR TO PROVIDE PIPE PORTAL, SEE DETAIL
5. ROUTE GAS PIPING ON ROOF TO FIRE SPRINKLER RISER ROOM AND DOWN INTO THE ROOM WITH PIPE PORTAL AND EXIT THE ROOM TO EXISTING GAS METER BANK. FOLLOW EXISTING GAS PIPING PATH. CONTRACTOR SHALL CONTACT GAS COMPANY FOR NEW GAS SERVICE AND PROVIDE METER WITH SHUT-OFF VALVE, PRESSURE REGULATOR, ETC. TOTAL GAS LOAD IS 4314 CFH. GAS PIPING IS SIZED FOR INLET PRESSURE OF 2 PSI WITH 1 PSI PRESSURE DROP, APPROXIMATE DEVELOPED LENGTH IS 300 FEET.
6. ROUTE CONDENSATE PIPING TO ROOF DRAIN. SUPPORT PIPING. SLOPE PIPING 1/4" PER FOOT. SEE DETAIL.
7. WATER HEATER FLUE/COMBUSTION AIR INTAKE THRU ROOF PER MANUFACTURER'S RECOMMENDATIONS, SEE DETAIL.
8. GAS PRESSURE REDUCING VALVE. INLET PRESSURE IS 2PSI, OUTLET PRESSURE IS 1/4 PSI. FIELD VERIFY GAS PRESSURE. IF NOT 2 PSI, CONTACT ARCHITECT IMMEDIATELY. PROVIDE GAS SHUT OFF VALVE FOR ALL EQUIPMENT SERVED BY GAS PIPING.
9. EXTERIOR GAS PIPING ON THE ROOF SHALL BE PROPERLY SUPPORTED AS TO PROVIDE ADEQUATE SUPPORT FOR THE PIPING. SUCH SUPPORTS SHALL BE COMPATIBLE WITH THE SPECIFIED ROOFING MEMBRANE. SUPPORT GAS PIPING PER DETAIL. EXTERIOR GAS PIPING SHALL BE PROVIDED WITH TWO COATS OF PROTECTIVE COATING, SUCH AS PAINT, TO PREVENT CORROSION.

MECHANICAL ROOF PLAN
SCALE: 1/4" = 1'-0"
NORTH

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MECHANICAL ROOF PLAN

JOB NO:	SHEET NO:
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DATE: 04.25.2025	

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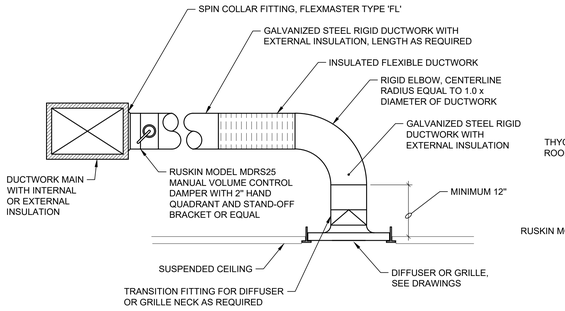
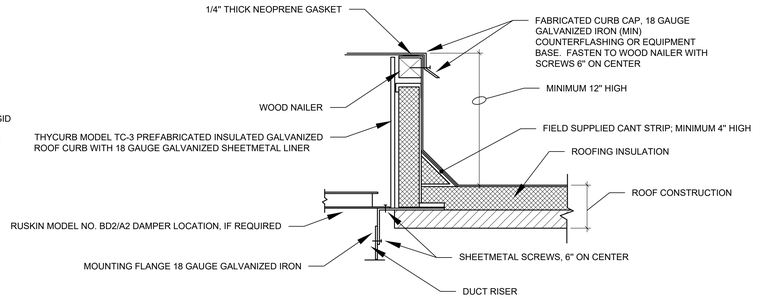
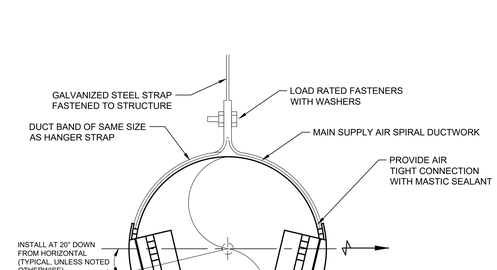


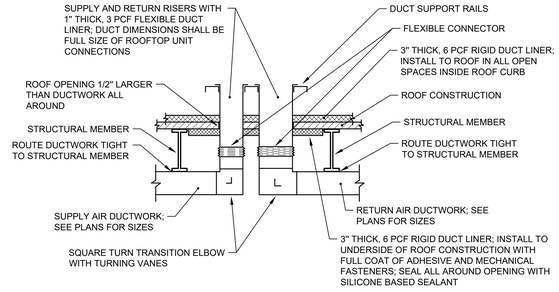


NOTES:
1. SEE ARCHITECTURAL DRAWINGS FOR NEW CURB INSTALLATION DIRECTIONS.
2. CURB SHALL BE TAPERED TYPE AND MATCH THE PITCH OF THE ROOF.
3. SECURELY INSTALL CURB TO ROOF; USE FASTENERS AS REQUIRED BY ROOF CONSTRUCTION.

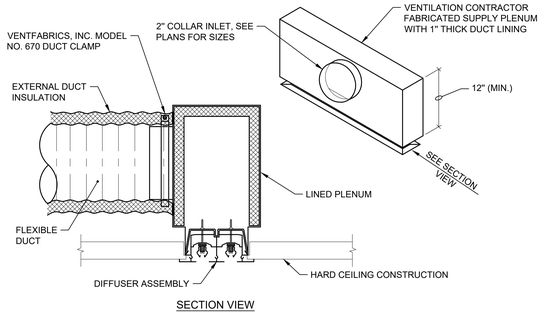
TYPICAL PREFABRICATED ROOF CURB DETAIL
NOT TO SCALE



DUCT CONNECTION TO CEILING DIFFUSER OR GRILLE DETAIL
NOT TO SCALE

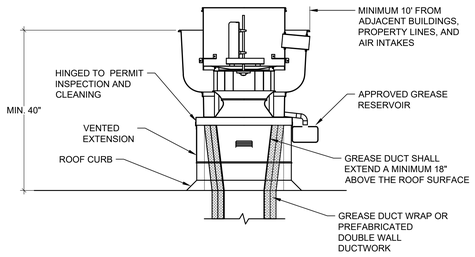


ROOFTOP UNIT DUCT DROP DETAIL
NOT TO SCALE



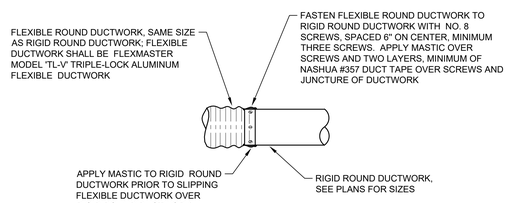
SECTION VIEW

SUPPLY PLENUM AND DIFFUSER DETAIL FOR HARD CEILING
NOT TO SCALE

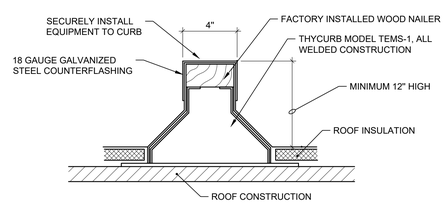


TYPICAL KITCHEN EXHAUST FAN DETAIL - UPBLAST
NOT TO SCALE

DIFFUSER CONNECTION TO ROUND DUCTWORK DETAIL
NOT TO SCALE

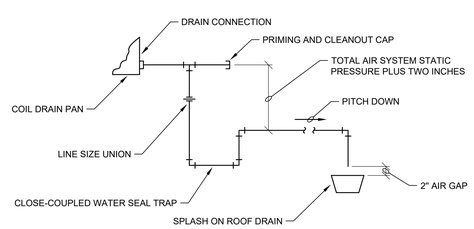


TYPICAL FLEXIBLE DUCTWORK INSTALLATION DETAIL
NOT TO SCALE



NOTE:
1. SEE ARCHITECTURAL DRAWINGS FOR INSTALLATION INSTRUCTION FOR EQUIPMENT SUPPORT.
2. CURB SHALL BE TAPERED TYPE AND MATCH THE PITCH OF THE ROOF.
3. SECURELY INSTALL CURB TO ROOF; USE FASTENERS AS REQUIRED BY ROOF CONSTRUCTION.

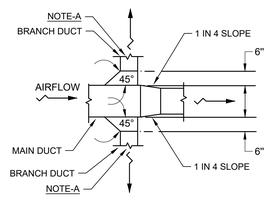
EQUIPMENT SUPPORT DETAIL
NOT TO SCALE



NOTES:
1. SCHEDULE 40, GALVANIZED STEEL PIPE AND FITTINGS.
2. SEE PLANS FOR PIPE SIZES.

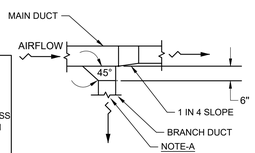
TYPICAL COIL CONDENSATE DRAIN PIPING DETAIL (DRAW-THRU)
NOT TO SCALE

NOTES:
1. ALL DUCTWORK CONSTRUCTED IN ACCORDANCE WITH ASHRAE HANDBOOK AND PRODUCT DIRECTORY 1988 EQUIPMENT VOLUME, CHAPTER NO. 1.
2. ALL CONTRACTOR FABRICATED AND MANUFACTURER FABRICATED COMPONENTS OF THE OUTSIDE AIR, SUPPLY AIR, RETURN AIR AND EXHAUST SYSTEMS SHALL BE CONSTRUCTED AND INSTALLED AIR-TIGHT. REFER TO DUCTWORK SEALANT DETAILS ON THIS SHEET. PIPE OPENINGS IN SYSTEM COMPONENTS SHALL HAVE SHEET METAL BAFFLES, SET IN SEALANT, TO PREVENT LEAKAGE.

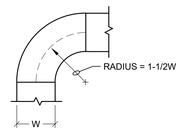


NOTE-A:
BRANCH TAKE-OFF TRANSITION FITTING DEPTH AT CONNECTION TO MAIN SHALL BE 1" LESS THAN MAIN DUCT DEPTH AND TRANSITION TO BRANCH DUCT DIMENSION.

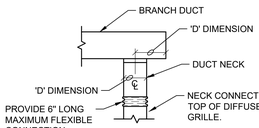
TYPICAL DOUBLE BRANCH TAKE-OFF
NOT TO SCALE



TYPICAL SINGLE BRANCH TAKE-OFF
NOT TO SCALE



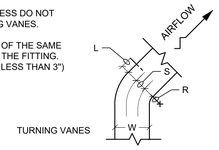
TYPICAL 30° TO 90° RADIUS ELL TURN FITTING
NOT TO SCALE



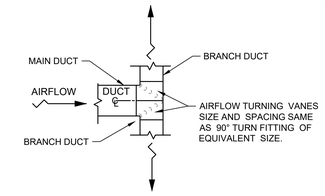
1. DUCT BRANCH AND DUCT NECK SHALL BE RIGID SHEET METAL CONSTRUCTION.
2. FLEXIBLE CONNECTION SHALL BE METAL-EDGE VENTILATION FABRIC OR TRIPLE-LOK FLEXIBLE ALUMINUM AIR DUCT.

TYPICAL TOP CONNECTION TO DIFFUSER OR GRILLE DETAIL
NOT TO SCALE

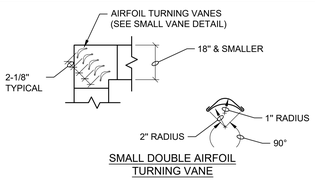
NOTES:
1. FITTING 29" AND LESS DO NOT REQUIRE TURNING VANES.
2. TURNING VANE IS OF THE SAME GAUGE METAL AS THE FITTING.
   R = 1/3 'W' (W/NOT LESS THAN 3")
   S = 1/3 'W'
   L = 1/3 'W'



TYPICAL 30° TO 89° TURN FITTINGS
NOT TO SCALE

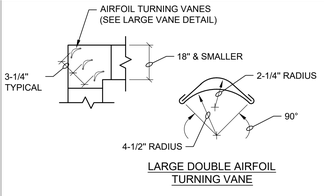


TYPICAL DOUBLE 90° TURN FITTING
(EQUAL CFM SPLIT SHOWN, UNEQUAL CFM SPLIT SIMILAR)
NOT TO SCALE



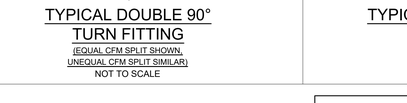
SMALL DOUBLE AIRFOIL TURNING VANE

TYPICAL 90° TURN FITTING
8" AND SMALLER
NOT TO SCALE



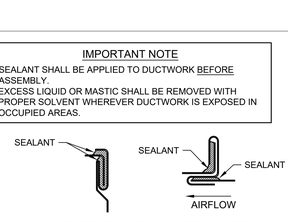
LARGE DOUBLE AIRFOIL TURNING VANE

TYPICAL 90° TURN FITTING
19" AND LARGER
NOT TO SCALE

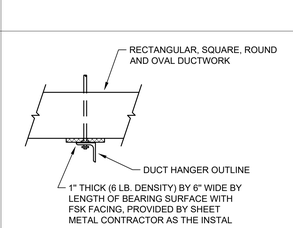


DUCTWORK SEALANT DETAIL NO. 1
NOT TO SCALE

IMPORTANT NOTE
SEALANT SHALL BE APPLIED TO DUCTWORK BEFORE ASSEMBLY.
EXCESS LIQUID OR MASTIC SHALL BE REMOVED WITH PROPER SOLVENT WHEREVER DUCTWORK IS EXPOSED IN OCCUPIED AREAS.



DUCTWORK SEALANT DETAIL NO. 2
NOT TO SCALE



DETAIL OF INSULATION AT DUCT HANGER
NOT TO SCALE

DUCTWORK DETAILS
NOT TO SCALE

ISSUE FOR PROGRESS

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH CONSTRUCTION AND NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR CONFLICTS.

NO	DATE	DESCRIPTION
1	04.25.25	ISSUE FOR PERMIT

WCW Engineers, Inc.
760 Creel Drive
Wood Dale, Illinois 60191
Tel. 630/595-8800
Fax 630/595-8818
www.WCWengineers.com

STATE OF MISSOURI
JOSEPH G. THOMAS
NUMBER E-27428
REGISTERED PROFESSIONAL ENGINEER

CERTIFICATION:

ANCHO & AGAVE
SUMMIT FAIR SHOPPING CENTER
D-BUILDING
860-A NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086

CARR WARNER
ARCHITECTS
ARCHITECTURE
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PLANNING
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SUITE #104
CHICAGO, ILLINOIS 60613
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MECHANICAL DETAILS

JOB NO:	SHEET NO:
ANCHO - SUMMIT FAIR	M3.1
DATE: 04.25.2025	

H:\25045\DWG\25045_M3.1 - M3.2.dwg, M3.1, 4/25/2025 5:04:37 PM, 1:1

1. THERMAL CERAMICS FIREMASTER FASTWRAP XL OR PYROSCAT XL IS TESTED TO ASTM E2336 AND UL LISTED PER HNKT.G18 TO PROVIDE ZERO CLEARANCE TO COMBUSTIBLES AND TO PROVIDE A 1- OR 2- HOUR ENCLOSURE. THROUGH PENETRATIONS FIRESTOP SYSTEMS ARE TESTED IN ACCORDANCE WITH ASTM E 814 (UL 1479). ICC-ES APPROVAL PER REPORT ESR 2213 OR ESR 2832.

2. COMPLIANT TO THE FOLLOWING CODES:
   NFPA 96
   INTERNATIONAL MECHANICAL CODES
   UNIFORM MECHANICAL CODE.
   CALIFORNIA MECHANICAL CODE

3. INSULATION APPLIED IN TWO LAYERS WITH TIGHT COMPRESSION JOINT ON BOTH LAYERS AT ALL JOINTS.

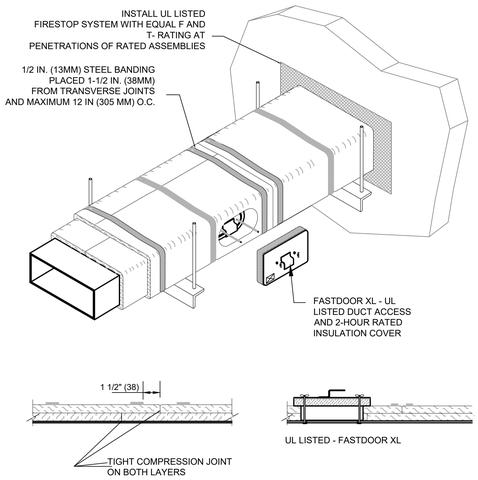
4. MINIMUM 16 GAUGE CARBON STEEL (OR 18 GAGE STAINLESS STEEL) RECTANGULAR OR ROUND GREASE EXHAUST DUCT

5. INSTALL UL LISTED AND LIQUID TIGHT THERMAL CERAMICS FASTDOOR XL ACCESS DOORS AT ALL CHANGES IN DIRECTION AND AT MINIMUM EVERY 20 FT ON HORIZONTAL RUNS.

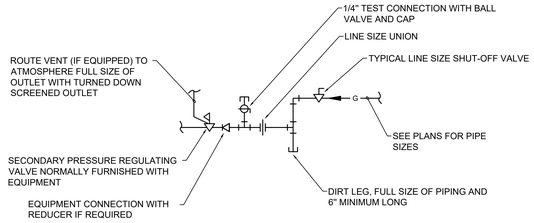
6. SUPPORT HANGER SYSTEMS DO NOT NEED TO BE WRAPPED PROVIDED THE HANGER RODS ARE MINIMUM OF 3/8 IN. DIAMETER AND SUPPORTS ARE MINIMUM 2 X 2 X 1/8 IN. STEEL ANGLE OR SMACNA EQUIVALENT SUPPORT SYSTEM.

7. THERMAL CERAMICS DUCT WRAP SHALL BE INSTALLED DIRECTLY ONTO THE DUCT AND APPLIED FROM THE HOOD CONNECTION TO THE CONNECTION TO THE FAN.

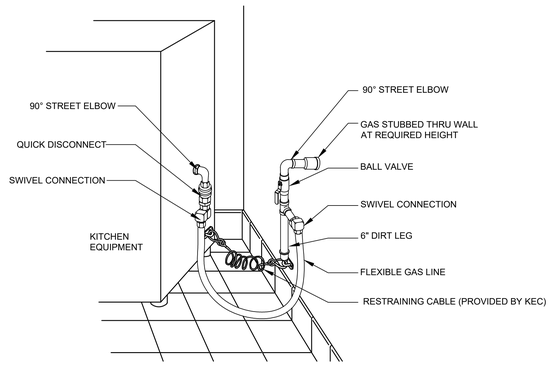
8. THERMAL CERAMICS DUCT ENCLOSURE SYSTEM SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS AND UL LISTINGS.



FIREWRAP INSTALLATION DETAILS
NOT TO SCALE

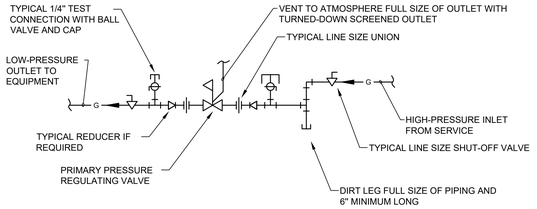


TYPICAL GAS PIPING CONNECTION DETAIL
NOT TO SCALE

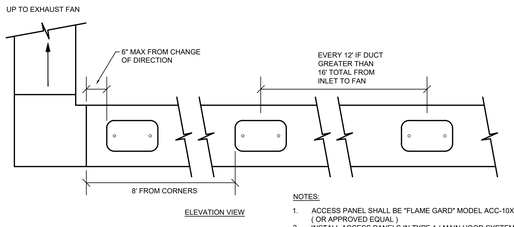


ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT ACTUAL CONDITIONS.
MAKE FINAL CONNECTION TO EQUIPMENT AS RECOMMENDED BY MANUFACTURER.
PROVIDE WELDED FITTINGS/JOINTS IN ANY CONCEALED, UNSLEEVED LOCATION.

KITCHEN GAS CONNECTION DETAIL
NOT TO SCALE



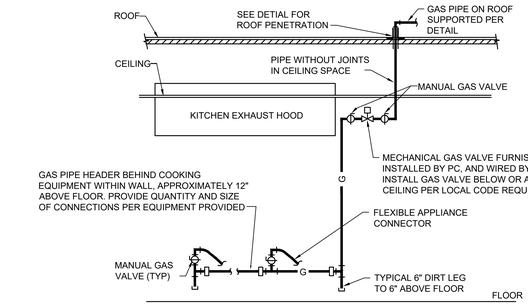
TYPICAL GAS PIPING 'PRV' DETAIL
NOT TO SCALE



COORDINATE WITH GENERAL CONTRACTOR:
1. ACCESS PANEL SHALL BE SIDE MOUNTED AND ACCESSIBLE FROM THE SPACE.
2. DO NOT LOCATE ABOVE ELECTRICAL ITEMS (LIGHTS, SPEAKERS, ALARM SENSORS) DO NOT LOCATE WITHIN 3' OF STRUCTURAL BEAM.

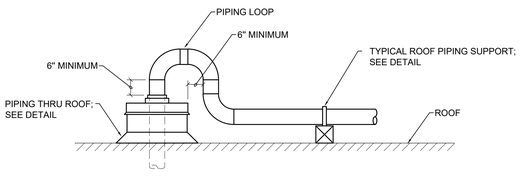
NOTES:
1. ACCESS PANEL SHALL BE "FLAME GARD" MODEL ACC-10X6 (OR APPROVED EQUAL)
2. INSTALL ACCESS PANELS IN TYPE 1 (MAIN HOOD SYSTEM) EXHAUST DUCTWORK.
3. INSTALL ONE ACCESS PANEL AT EACH CHANGE OF DIRECTION. INSTALL ONE ACCESS PANEL 8' FROM EACH CORNER.
4. INSTALL ONE ACCESS PANEL EVERY 12' ON ANY HORIZONTAL RUN
5. AFTER THE FIRST PANEL THAT WAS INSTALLED AT 8' IF DUCT RUN IS LONGER THAN 16' INSTALLATION ON DUCTWORK SHALL CONFORM TO ALL
6. MANUFACTURER'S SPECIFICATIONS AND REQUIREMENTS.

EXHAST DUCT ACCESS PANEL INSTALLATION
NOT TO SCALE

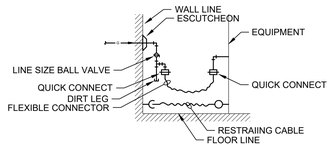


ROUTE RISER AND HEADER WITHIN WALL AS REQUIRED. PROVIDE FINAL CONNECTION TO EQUIPMENT AS RECOMMENDED BY MANUFACTURER. PROVIDE WELDED FITTINGS/JOINTS IN CONCEALED, UNSLEEVED LOCATIONS. PROVIDE THREADED FITTINGS/JOINTS FOR EXPOSED PIPE CONNECTIONS.

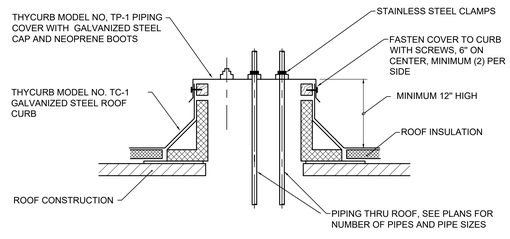
COOKING APPLIANCE GAS PIPING
NOT TO SCALE



GAS PIPING THRU ROOF PENETRATION DETAIL
NOT TO SCALE

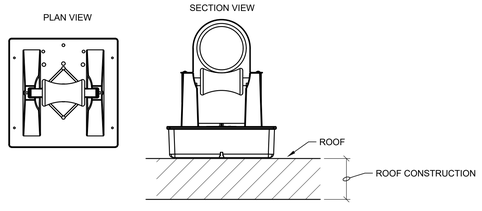


TYPICAL FOOD SERVICE EQUIPMENT NATURAL GAS CONNECTION DETAIL
NOT TO SCALE



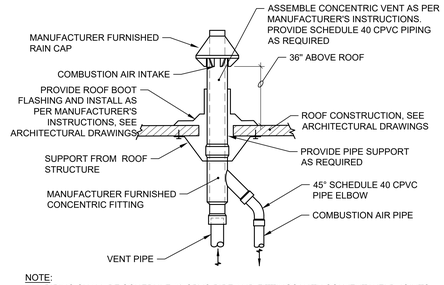
NOTES:
1. CUT AND PATCH EXISTING ROOF AS REQUIRED FOR NEW CURB INSTALLATION.
2. CURB SHALL BE TAPERED TYPE AND MATCH THE PITCH OF THE ROOF.
3. SECURELY INSTALL CURB TO ROOF; USE FASTENERS AS REQUIRED BY ROOF CONSTRUCTION.

TYPICAL PIPING THRU ROOF DETAIL
NOT TO SCALE



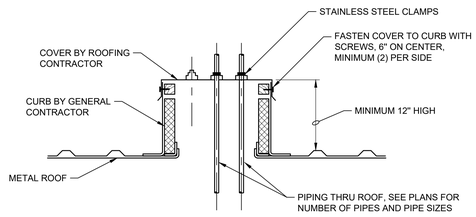
NOTES:
1. PIPING ON ROOF SHALL BE SUPPORTED 6'-0"(3'-0") ON CENTER FOR 3/4" TO 1", 8'-0"(4'-0") ON CENTER FOR 1-1/4" TO 2", 10'-0"(5'-0") ON CENTER FOR 2-1/2" TO 3" AND 12'-0"(6'-0") ON CENTER FOR 4" TO 6". PLASTIC PIPING SHALL BE DISTANCE AS INDICATED WITH (X'-X").
2. PIPING SHALL FOLLOW SLOPES OF ROOF WHEREVER POSSIBLE; PROVIDE SWING JOINTS AT CHANGES IN SLOPE. CONDENSATE PIPING SHALL MAINTAIN CONTINUOUS SLOPE FOR DRAINAGE.
3. CHANGES IN PIPE SIZE SHALL BE WITH ECCENTRIC REDUCERS FOR A CONTINUOUS LEVEL BOTTOM OF PIPE ON SUPPORTS.
4. INSTALL PIPE SUPPORT INSTALL PER THE MANUFACTURER'S RECOMMENDATIONS.
5. AXEL, ROLLER, AND COLLAR MATERIAL: POLYCARBONATE. ALL OTHER METAL PARTS ARE HOT-DIP GALVANIZED.
6. ACCEPTABLE MANUFACTURERS: MIRO INDUSTRIES, E-Z SLEEPER, ROOF TOP BLOX

TYPICAL PIPING ROOF SUPPORT DETAIL
NOT TO SCALE



NOTE:
ALL PIPING SHALL BE SCHEDULE 40 CPVC PIPE AND FITTINGS WITH SOLVENT WELD JOINTS.
PROVIDE PITCHING OF PIPES AS PER MANUFACTURER'S INSTRUCTIONS.

WATER HEATER CONCENTRIC VENT THRU ROOF DETAIL
NOT TO SCALE



NOTES:
1. SEE ARCHITECTURAL DRAWINGS FOR ROOF CURB INSTALLATION DIRECTIONS AND ROOFING.
2. CURB SHALL BE TAPERED TYPE AND MATCH THE PITCH OF THE ROOF.
3. SECURELY INSTALL CURB TO ROOF; USE FASTENERS AS REQUIRED BY ROOF CONSTRUCTION.

TYPICAL PIPING THRU ROOF DETAIL
NOT TO SCALE

ISSUE FOR PROGRESS

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH CONSTRUCTION AND NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR CONFLICTS.

NO	DATE	DESCRIPTION
1	04.25.25	ISSUE FOR PERMIT

WCW Engineers, Inc.
760 Creel Drive
Wood Dale, Illinois 60191
Tel: 630/595-8800
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www.WCWengineers.com

STATE OF MISSOURI
JOSEPH G. THOMAS
NUMBER E-27428
REGISTERED PROFESSIONAL ENGINEER

CERTIFICATION:

ANCHO & AGAVE
SUMMIT FAIR SHOPPING CENTER
D-BUILDING
860-A NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086

CARR WARNER ARCHITECTS
ARCHITECTURE
INTERIORS
PLANNING
3711 N. RAVENSWOOD
SUITE #104
CHICAGO, ILLINOIS 60613
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f 773-477-6888
www.carrwarner.com

MECHANICAL DETAILS

JOB NO:	SHEET NO:
ANCHO - SUMMIT FAIR	M3.2
DATE: 04.25.2025	

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FOR QUESTIONS, CALL THE
Chicago Foodservice Division
REGION 55
PHONE: (630) 377 - 2611
EMAIL: reg55@captiveaire.com

EXHAUST FAN INFORMATION - JOB#7454896

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SONES
5	EF-1 (50)	1	DU50HFA	CAPTIVEAIRE	1125	0.250	1094	TEAO-ECM	0.500	0.1300	1	115	6.3	428 FPM	79	8.1
6	EF-2 (64)	1	DU240HFA	CAPTIVEAIRE	4583	0.750	759	ODP,PREMIUM	3.000	1.2550	3	460	4.6	1042 FPM	306	12.8
7	EF-3 (68)	1	DU240HFA	CAPTIVEAIRE	4100	0.650	693	ODP,PREMIUM	2.000	0.9540	3	460	3.8	932 FPM	254	10.9
8	EF-4 (95)	1	DU85HFA	CAPTIVEAIRE	2000	0.650	1303	ODP	0.750	0.3860	3	460	1.3	633 FPM	97	12
9	EF-5 (BATHROOM)	1	DR12HFA	CAPTIVEAIRE	420	0.500	1300	TEAO-ECM	0.250	0.0940	1	115	2.9		48	6.2
10	EF-6 (BATHROOM)	1	DR12HFA	CAPTIVEAIRE	140	0.500	1176	TEAO-ECM	0.250	0.0700	1	115	2.9		48	5

DOAS/RTU FAN SCHEDULE - JOB#7454896

FAN INFORMATION											ELECTRICAL INFORMATION					COOLING INFORMATION								
FAN UNIT NO	TAG	QTY	DOAS/RTU MODEL #	MANUFACTURER	BLOWER	RETURN AIR CFM	MAX OUTSIDE AIR CFM	TOTAL CFM	WEIGHT (LBS)	ESP	HP	PHASE	VOLT	MCA	MOCP	OUTSIDE AIR DB	OUTSIDE AIR WB	MIXED AIR DB	MIXED AIR WB	LEAVING AIR DB	LEAVING AIR WB	LEAVING AIR DP	CAPACITY TOTAL	CAPACITY SENS.
1	KRTU-1	1	CAS-HVAC4-I.700-30-40T-2	CAPTIVEAIRE	30P-4	0	6125	6125	5503	0.750	7.50	3	460	92.7A	100A	99.0°F	75.0°F	99.0°F	75.0°F	47.9°F	47.9°F	48.0°F	485.0 MBH	313.3 MBH
2	KRTU-2	1	CAS-HVAC4-I.700-30-40T-2	CAPTIVEAIRE	30P-4	0	6125	6125	5503	0.750	7.50	3	460	92.7A	100A	99.0°F	75.0°F	99.0°F	75.0°F	47.9°F	47.9°F	48.0°F	485.0 MBH	313.3 MBH
3	DRTU-1	1	CAS-HVAC2-I.300-18-13T	CAPTIVEAIRE	18MF-2-RTU	1716	1521	3237	2152	0.750	3.00	3	460	38.4A	40A	99.0°F	75.0°F	86.3°F	68.6°F	53.9°F	53.1°F	52.6°F	147.4 MBH	107.0 MBH
4	DRTU-2	1	CAS-HVAC2-I.300-18-13T	CAPTIVEAIRE	18MF-2-RTU	1716	1521	3237	2152	0.750	3.00	3	460	38.4A	40A	99.0°F	75.0°F	86.3°F	68.6°F	53.9°F	53.1°F	52.6°F	147.4 MBH	107.0 MBH

	COOLING INFORMATION		REHEAT INFORMATION					GAS HEAT INFORMATION					A2L MINIMUM ROOM VOLUME			
FAN UNIT NO	IEER	ISMRE	DISCHARGE DB	DISCHARGE WB	CAPACITY DESIRED	CAPACITY MAX	MOISTURE REMOVAL RATE	GAS TYPE	INPUT BTUs	OUTPUT BTUs	TEMP RISE	REQUIRED INPUT GAS PRESSURE	ROOM AREA (FT2)	AIRFLOW (CFM)	HEIGHT (FT)	NOTES
1	17.1	5.9	70.0°F	60.1°F	148 MBH	260 MBH	160.8 LBS/HR	NATURAL	630579	510769	70°F	7 IN. W.C. - 14 IN. W.C.	672	1163	7.2	1,2,3,4,5,6,7,8,9,10,11,13,14,15,16
2	17.1	5.9	70.0°F	60.1°F	148 MBH	260 MBH	160.8 LBS/HR	NATURAL	630579	510769	70°F	7 IN. W.C. - 14 IN. W.C.	672	1163	7.2	1,2,3,4,5,6,7,8,9,10,11,13,14,15,16
3	14.2	5.5	70.0°F	60.4°F	56.4 MBH	103.2 MBH	36.8 LBS/HR	NATURAL	268968	217864	61°F	7 IN. W.C. - 14 IN. W.C.	473.4	819	7.2	1,2,3,4,5,6,7,8,9,10,12,13,14,15,16,17
4	14.2	5.5	70.0°F	60.4°F	56.4 MBH	103.2 MBH	36.8 LBS/HR	NATURAL	268968	217864	61°F	7 IN. W.C. - 14 IN. W.C.	473.4	819	7.2	1,2,3,4,5,6,7,8,9,10,12,13,14,15,16,17

NOTES:
1. INVERTER SCROLL COMPRESSOR WITH INTEGRATED OIL SENSOR. DIGITAL OR STAGED SCROLL NOT AN APPROVED EQUAL
2. DIRECT DRIVE PLENUM BLOWER. BELT DRIVEN BLOWERS ARE NOT ACCEPTABLE
3. INTEGRATED MONITORING VIA CELLULAR CONNECTION BY MANUFACTURER
4. REFRIGERATION PRESSURE MONITORING ON HIGH AND LOW PRESSURE SIDE OF SYSTEM INCLUDED THROUGH DIGITAL INTERFACE
5. EC MOTOR CONDENSING FANS
6. ELECTRONIC EXPANSION VALVE. TXV NOT ACCEPTABLE
7. SUCTION LINE ACCUMULATOR
8. FACTORY COMMISSIONING WITH 5 YEAR PARTS WARRANTY, 25 YEAR WARRANTY ON STAINLESS STEEL HEAT EXCHANGER
9. AVERAGING INTAKE, EVAP AND DISCHARGE TEMPERATURE SENSORS (DISCHARGE SENSOR TO BE FACTORY MOUNTED WITHIN UNIT)
10. 2" EXTERIOR DUAL-WALL CONSTRUCTION W/ R-13 INSULATION-MINIMUM 20GA EXTERIOR W/ 14GA BASE
11. 81% EFFICIENT FURNACE, WITH MODULATING INDUCER TO MAINTAIN CONSTANT COMBUSTION EFFICIENCY ACROSS FIRING RANGE. 12:1 TURNDOWN WITH NG AND 10:1 TURNDOWN WITH LP
12. 81% EFFICIENT FURNACE, WITH MODULATING INDUCER TO MAINTAIN CONSTANT COMBUSTION EFFICIENCY ACROSS FIRING RANGE. 14:1 TURNDOWN WITH NG AND 12:1 TURNDOWN WITH LP
13. SUPPLY CFM MONITORING INTEGRAL TO UNIT WITH CFM MEASUREMENT INCLUDED THROUGH DIGITAL INTERFACE
14. FULLY MODULATING HOT GAS REHEAT
15. DOWN DISCHARGE/DOWN RETURN
16. MINIMUM ROOM AREA ASSUMED 7.2' SUPPLY DIFFUSER HEIGHT AND IS CALCULATED PER UL60335-2-40 4TH ED. VALUES BASED ON FACTORY CHARGE. ACTUAL SITE CHARGE MAY DIFFER.
17. 15 DEGREE LOW AMBIENT OPERATION

FAN OPTIONS

FAN UNIT NO	TAG	QTY	DESCRIPTION
1	KRTU-1	1	INLET PRESSURE GAUGE, 0-35"
		1	MANIFOLD PRESSURE GAUGE, 0 TO 10" WC, 2 FURNACES
		1	COOLING OVERRIDE
		1	SINGLE POINT ELECTRICAL CONNECTION FOR RTU. 750VA TRANSFORMER USED. IF A NON-DCV PREWIRE CONTROLS THIS UNIT, THE #28, #47, "MA", OR "E2" PREWIRE OPTION MUST BE SELECTED. DOES NOT PROVIDE SUPPLY STARTER IN PREWIRE
		1	RTU BLOWER DOOR SWITCH
		1	RTU4 DOWN DISCHARGE
		1	2" MERV 13 FILTERS FOR RTU4 (QTY. 12)
		1	2" MERV 8 FILTERS FOR RTU4 (QTY. 12)
		1	OVERHEAT STAT
		1	TOTAL CFM MONITORING
		1	OCCUPIED SCHEDULING
		1	INTAKE FIRESTAT SET TO 135°F
		1	FREEZESTAT
		1	DISCHARGE FIRESTAT SET TO 240°F
		1	CASLINK BUILDING MONITORING SYSTEM - INTERNET OR CELLULAR CONNECTION REQUIRED
		1	RTU4 CURB DUCT HANGER
		1	COMMERCIAL SMOKE DETECTOR/ALARM INTERLOCK - ALARM SUPPLIED BY OTHERS
		1	CLOGGED FILTER SWITCH - NOTIFICATION ON HMI
		1	RTU INTAKE/RETURN DAMPER - MANUAL CONTROL VIA HMI
		1	RTU4 DOWN RETURN
		1	2" METAL MESH FILTERS FOR RTU4 OUTDOOR INTAKE
		1	VFD FACTORY MOUNTED AND WIRED IN RTU COMMERCIAL CONTROL VESTIBULE
		1	VAV PACKAGE W/ 0-10VDC INPUT CONTROL (571 VFD INCLUDED)
		1	LOAD REACTOR MOUNTED IN FAN
		1	40 TON MODULATING COOLING OPTION, 460/480V. 4CFS. R454B REFRIGERANT, 20 TON VARIABLE SPEED COMPRESSOR/20 TON VARIABLE SPEED COMPRESSOR, ECM CONDENSING FANS
		1	LOW AMBIENT COOLING OPERATION - DOWN TO 0F AMBIENT - 2 CIRCUIT
		1	R454B LEAK DETECTOR OPTION FOR RTUS
		1	40 TON MODULATING REHEAT OPTION - SPACE DEWPOINT CONTROL - R454B
		1	5 YEAR ENTIRE UNIT PARTS WARRANTY, 10 YEAR ENTIRE UNIT PARTS WARRANTY WITH REMOTE MONITORING AND CAPTIVEAIRE SERVICE CONTRACT, 25 YEAR STAINLESS STEEL FURNACE PARTS WARRANTY (SEE ADDITIONAL DETAILS)
		1	EXTERIOR GAS CONNECTION PROVIDED BY FACTORY WITH QUICK SEAL AND ANTI-ROTATION BRACKET
2	KRTU-2	1	INLET PRESSURE GAUGE, 0-35"
		1	MANIFOLD PRESSURE GAUGE, 0 TO 10" WC, 2 FURNACES
		1	COOLING OVERRIDE
		1	SINGLE POINT ELECTRICAL CONNECTION FOR RTU. 750VA TRANSFORMER USED. IF A NON-DCV PREWIRE CONTROLS THIS UNIT, THE #28, #47, "MA", OR "E2" PREWIRE OPTION MUST BE SELECTED. DOES NOT PROVIDE SUPPLY STARTER IN PREWIRE
		1	RTU BLOWER DOOR SWITCH
		1	RTU4 DOWN DISCHARGE
		1	2" MERV 13 FILTERS FOR RTU4 (QTY. 12)
		1	2" MERV 8 FILTERS FOR RTU4 (QTY. 12)
		1	OVERHEAT STAT
		1	TOTAL CFM MONITORING
		1	OCCUPIED SCHEDULING
		1	INTAKE FIRESTAT SET TO 135°F
		1	FREEZESTAT
		1	DISCHARGE FIRESTAT SET TO 240°F
		1	CASLINK BUILDING MONITORING SYSTEM - INTERNET OR CELLULAR CONNECTION REQUIRED
		1	RTU4 CURB DUCT HANGER
		1	COMMERCIAL SMOKE DETECTOR/ALARM INTERLOCK - ALARM SUPPLIED BY OTHERS
		1	CLOGGED FILTER SWITCH - NOTIFICATION ON HMI
		1	RTU INTAKE/RETURN DAMPER - MANUAL CONTROL VIA HMI
		1	RTU4 DOWN RETURN
		1	2" METAL MESH FILTERS FOR RTU4 OUTDOOR INTAKE
		1	VFD FACTORY MOUNTED AND WIRED IN RTU COMMERCIAL CONTROL VESTIBULE
		1	VAV PACKAGE W/ MANUAL/DDC CONTROL (571 VFD INCLUDED)
		1	LOAD REACTOR MOUNTED IN FAN
		1	40 TON MODULATING COOLING OPTION, 460/480V. 4CFS. R454B REFRIGERANT, 20 TON VARIABLE SPEED COMPRESSOR/20 TON VARIABLE SPEED COMPRESSOR, ECM CONDENSING FANS
		1	LOW AMBIENT COOLING OPERATION - DOWN TO 0F AMBIENT - 2 CIRCUIT
		1	R454B LEAK DETECTOR OPTION FOR RTUS
		1	40 TON MODULATING REHEAT OPTION - SPACE DEWPOINT CONTROL - R454B
		1	5 YEAR ENTIRE UNIT PARTS WARRANTY, 10 YEAR ENTIRE UNIT PARTS WARRANTY WITH REMOTE MONITORING AND CAPTIVEAIRE SERVICE CONTRACT, 25 YEAR STAINLESS STEEL FURNACE PARTS WARRANTY (SEE ADDITIONAL DETAILS)
		1	EXTERIOR GAS CONNECTION PROVIDED BY FACTORY WITH QUICK SEAL AND ANTI-ROTATION BRACKET
3	DRTU-1	1	INLET PRESSURE GAUGE, 0-35"
		1	COOLING OVERRIDE
		1	SINGLE POINT ELECTRICAL CONNECTION FOR RTU. 750VA TRANSFORMER USED. IF A NON-DCV PREWIRE CONTROLS THIS UNIT, THE #28, #47, "MA", OR "E2" PREWIRE OPTION MUST BE SELECTED. DOES NOT PROVIDE SUPPLY STARTER IN PREWIRE
		1	RTU BLOWER DOOR SWITCH
		1	RTU2 DOWN DISCHARGE
		1	2" MERV 13 FILTERS FOR RTU2 (QTY. 4)
		1	2" MERV 8 FILTERS FOR RTU2 (QTY. 4)
		1	OVERHEAT STAT
		1	TOTAL CFM MONITORING
		1	VFD FACTORY MOUNTED AND WIRED IN RTU COMMERCIAL CONTROL VESTIBULE
		1	OCCUPIED SCHEDULING
		1	INTAKE FIRESTAT SET TO 135°F
		1	FREEZESTAT
		1	DISCHARGE FIRESTAT SET TO 240°F
		1	CASLINK BUILDING MONITORING SYSTEM - INTERNET OR CELLULAR CONNECTION REQUIRED
		1	RTU2 CURB DUCT HANGER
		1	COMMERCIAL SMOKE DETECTOR/ALARM INTERLOCK - ALARM SUPPLIED BY OTHERS
		1	HIGH TURNDOWN OPTION FOR DOAS UNITS
		1	MANIFOLD PRESSURE GAUGE, 0 TO 10" WC, 2 FURNACES
		1	CLOGGED FILTER SWITCH - NOTIFICATION ON HMI
		1	RTU INTAKE/RETURN DAMPER - MANUAL CONTROL VIA HMI
		1	RTU2 DOWN RETURN
		1	2" METAL MESH FILTERS FOR RTU2 OUTDOOR INTAKE
		1	VAV PACKAGE W/ MANUAL/DDC CONTROL (571 VFD INCLUDED)
		1	LOAD REACTOR MOUNTED IN FAN
		1	13 TON MODULATING COOLING OPTION, 460/480V. R454B REFRIGERANT, VARIABLE SPEED COMPRESSOR, ECM CONDENSING FANS
		1	LOW AMBIENT COOLING OPERATION - DOWN TO 0F AMBIENT
		1	R454B LEAK DETECTOR OPTION FOR RTUS
		1	13 TON MODULATING REHEAT OPTION - SPACE DEWPOINT CONTROL - R454B
		1	5 YEAR ENTIRE UNIT PARTS WARRANTY, 10 YEAR ENTIRE UNIT PARTS WARRANTY WITH REMOTE MONITORING AND CAPTIVEAIRE SERVICE CONTRACT, 25 YEAR STAINLESS STEEL FURNACE PARTS WARRANTY (SEE ADDITIONAL DETAILS)
		1	EXTERIOR GAS CONNECTION PROVIDED BY FACTORY WITH QUICK SEAL AND ANTI-ROTATION BRACKET
4	DRTU-2	1	INLET PRESSURE GAUGE, 0-35"
		1	COOLING OVERRIDE
		1	SINGLE POINT ELECTRICAL CONNECTION FOR RTU. 750VA TRANSFORMER USED. IF A NON-DCV PREWIRE CONTROLS THIS UNIT, THE #28, #47, "MA", OR "E2" PREWIRE OPTION MUST BE SELECTED. DOES NOT PROVIDE SUPPLY STARTER IN PREWIRE
		1	RTU BLOWER DOOR SWITCH
		1	RTU2 DOWN DISCHARGE
		1	2" MERV 13 FILTERS FOR RTU2 (QTY. 4)
		1	2" MERV 8 FILTERS FOR RTU2 (QTY. 4)
		1	OVERHEAT STAT
		1	TOTAL CFM MONITORING
		1	VFD FACTORY MOUNTED AND WIRED IN RTU COMMERCIAL CONTROL VESTIBULE
		1	OCCUPIED SCHEDULING
		1	INTAKE FIRESTAT SET TO 135°F
		1	FREEZESTAT
		1	DISCHARGE FIRESTAT SET TO 240°F
		1	CASLINK BUILDING MONITORING SYSTEM - INTERNET OR CELLULAR CONNECTION REQUIRED
		1	RTU2 CURB DUCT HANGER
		1	COMMERCIAL SMOKE DETECTOR/ALARM INTERLOCK - ALARM SUPPLIED BY OTHERS
		1	HIGH TURNDOWN OPTION FOR DOAS UNITS
		1	MANIFOLD PRESSURE GAUGE, 0 TO 10" WC, 2 FURNACES
		1	CLOGGED FILTER SWITCH - NOTIFICATION ON HMI
		1	RTU INTAKE/RETURN DAMPER - MANUAL CONTROL VIA HMI
		1	RTU2 DOWN RETURN
		1	2" METAL MESH FILTERS FOR RTU2 OUTDOOR INTAKE
		1	VAV PACKAGE W/ MANUAL/DDC CONTROL (571 VFD INCLUDED)
		1	LOAD REACTOR MOUNTED IN FAN
		1	13 TON MODULATING COOLING OPTION, 460/480V. R454B REFRIGERANT, VARIABLE SPEED COMPRESSOR, ECM CONDENSING FANS
		1	LOW AMBIENT COOLING OPERATION - DOWN TO 0F AMBIENT
		1	R454B LEAK DETECTOR OPTION FOR RTUS
		1	13 TON MODULATING REHEAT OPTION - SPACE DEWPOINT CONTROL - R454B
		1	5 YEAR ENTIRE UNIT PARTS WARRANTY, 10 YEAR ENTIRE UNIT PARTS WARRANTY WITH REMOTE MONITORING AND CAPTIVEAIRE SERVICE CONTRACT, 25 YEAR STAINLESS STEEL FURNACE PARTS WARRANTY (SEE ADDITIONAL DETAILS)
		1	EXTERIOR GAS CONNECTION PROVIDED BY FACTORY WITH QUICK SEAL AND ANTI-ROTATION BRACKET
5	EF-1 (50)	1	GREASE BOX
		1	FAN BASE CERAMIC SEAL - DU/DR50HFA - INSTALLED AT PLANT - FOR GREASE DUCTS
		1	ECM WIRING PACKAGE - EXHAUST - MANUAL OR 0-10VDC REFERENCE SPEED CONTROL -MSC- (TELCO), CCW ROTATION
		1	2 YEAR PARTS WARRANTY
6	EF-2 (64)	1	GREASE BOX
		1	FAN BASE CERAMIC SEAL - DU/DR240HFA - INSTALLED AT PLANT - FOR GREASE DUCTS
		1	LOAD REACTOR MOUNTED IN FAN
		1	2 YEAR PARTS WARRANTY
7	EF-3 (68)	1	GREASE BOX
		1	FAN BASE CERAMIC SEAL - DU/DR240HFA - INSTALLED AT PLANT - FOR GREASE DUCTS
		1	LOAD REACTOR MOUNTED IN FAN
		1	2 YEAR PARTS WARRANTY
8	EF-4 (95)	1	GREASE BOX
		1	FAN BASE CERAMIC SEAL - DU/DR85HFA - INSTALLED AT PLANT - FOR GREASE DUCTS
		1	LOAD REACTOR MOUNTED IN FAN
		1	LINE/LOAD REACTOR MOUNTING BRACKET FOR DU 50 & 85
		1	2 YEAR PARTS WARRANTY
9	EF-5 (BATHROOM)	1	FAN BASE CERAMIC SEAL - DU/DR12HFA - INSTALLED AT PLANT - FOR GREASE DUCTS
		1	ECM WIRING PACKAGE - EXHAUST - MANUAL OR 0-10VDC REFERENCE SPEED CONTROL -MSC- (TELCO), CCW ROTATION
		1	2 YEAR PARTS WARRANTY
10	EF-6 (BATHROOM)	1	FAN BASE CERAMIC SEAL - DU/DR12HFA - INSTALLED AT PLANT - FOR GREASE DUCTS
		1	ECM WIRING PACKAGE - EXHAUST - MANUAL OR 0-10VDC REFERENCE SPEED CONTROL -MSC- (TELCO), CCW ROTATION
		1	2 YEAR PARTS WARRANTY

FAN ACCESSORIES

FAN UNIT NO	TAG	EXHAUST			SUPPLY			
		GREASE CUP	GRAVITY DAMPER	WALL MOUNT	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT
5	EF-1 (50)	YES						
6	EF-2 (64)	YES						
7	EF-3 (68)	YES						
8	EF-4 (95)	YES						
9	EF-5 (BATHROOM)							
10	EF-6 (BATHROOM)							

CURB ASSEMBLIES

NO	ON FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1	KRTU-1	264 LBS	CURB	80.000"W X 111.000"L X 20.000"H INSULATED 16 GAUGE.
2	# 2	KRTU-2	264 LBS	CURB	80.000"W X 111.000"L X 20.000"H INSULATED 16 GAUGE.
3	# 3	DRTU-1	111 LBS	CURB	49.500"W X 75.000"L X 20.000"H INSULATED.
4	# 4	DRTU-2	111 LBS	CURB	49.500"W X 75.000"L X 20.000"H INSULATED.
5	# 5	EF-1 (50)	34 LBS	CURB	19.500"W X 19.500"L X 24.000"H VENTED HINGED.
6	# 6	EF-2 (64)	43 LBS	CURB	31.500"W X 31.500"L X 24.000"H VENTED HINGED.
7	# 7	EF-3 (68)	43 LBS	CURB	31.500"W X 31.500"L X 24.000"H VENTED HINGED.
8	# 8	EF-4 (95)	41 LBS	CURB	23.000"W X 23.000"L X 24.000"H VENTED HINGED.
9	# 9	EF-5 (BATHROOM)	26 LBS	CURB	17.500"W X 17.500"L X 18.000"H HINGED.
10	# 10	EF-6 (BATHROOM)	26 LBS	CURB	17.500"W X 17.500"L X 18.000"H HINGED.

HMI SCHEDULE				
UNIT NUMBER	HMI #	HMI LOCATION	TEMP AVERAGING	MODBUS ADDRESS
FAN #1	HMI #1 - UNIT	IN UNIT	NOT AVERAGED	55
FAN #1	HMI #2 - SPACE		AVERAGED	56
FAN #2	HMI #1 - UNIT	IN UNIT	NOT AVERAGED	55
FAN #2	HMI #2 - SPACE		AVERAGED	56
FAN #3	HMI #1 - UNIT	IN UNIT	NOT AVERAGED	55
FAN #3	HMI #2 - SPACE		AVERAGED	56
FAN #4	HMI #1 - UNIT	IN UNIT	NOT AVERAGED	55
FAN #4	HMI #2 - SPACE		AVERAGED	56

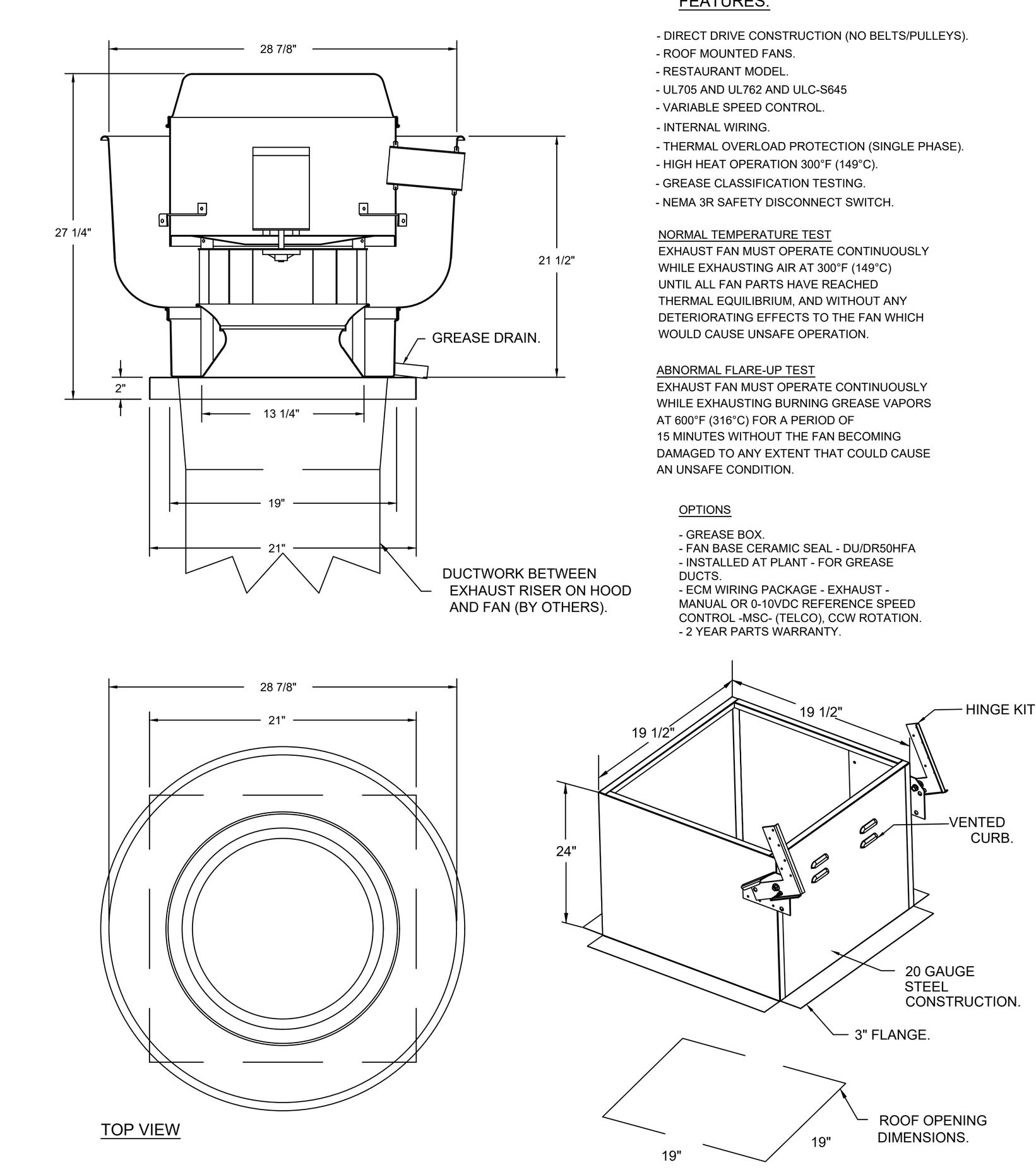
CONTROLS DESIGN SERVICE

BIANNUAL ANALYSIS OF EQUIPMENT PERFORMANCE REQUIRED BY THE MANUFACTURER TO OPTIMIZE SYSTEM POST INSTALL. DETAILED PERFORMANCE REPORT TO BE PRESENTED TO OWNERSHIP ON A BIANNUAL BASIS FOR THE FIRST YEAR.

CONNECTED COMMISSIONING SERVICES(CCX)

IF ORDERED, THE CCX ENGINEER WILL PERFORM REMOTE ENGINEERING ANALYSIS OF CAPTIVEAIRE EQUIPMENT OVER CASLINK, A CLOUD - BASED REMOTE MONITORING SYSTEM.TYPICALLY, THE ANALYSIS WILL BE PERFORMED AFTER SERVICE DESIGN VERIFICATION(SDV) HAS BEEN COMPLETED ON-SITE. ANY FIELD RELATED DISCREPANCIES THAT ARE DISCOVERED DURING THE ANALYSIS WILL BE DOCUMENTED AND BROUGHT TO THE ATTENTION OF THE SALES OFFICE. IF THE CCX ENGINEER DISCOVERS A DISCREPANCY THAT CAN BE RESOLVED REMOTELY, THE DISCREPANCY WILL BE RESOLVED AND THE SALES OFFICE WILL BE NOTIFIED.SHOULD A RETURN TRIP FROM CAS SERVICE BE REQUIRED TO RESOLVE FIELD RELATED DISCREPANCIES, THERE WILL BE ADDITIONAL TRIP CHARGES.SHOULD THE CCX ENGINEER DISCOVER A DISCREPANCY DURING THE ANALYSIS THAT IS THE FAULT OF THE MANUFACTURER AND THAT CANNOT BE RESOLVED REMOTELY, THE ISSUE WILL BE DOCUMENTED AND FORWARDED TO THE APPROPRIATE SALES OFFICE AND CAS SERVICE REGION. THERE WILL BE NO ADDITIONAL CHARGES FOR MANUFACTURER DISCREPANCIES.

FAN #5 DU50HFA - EXHAUST FAN (EF-1 (50))



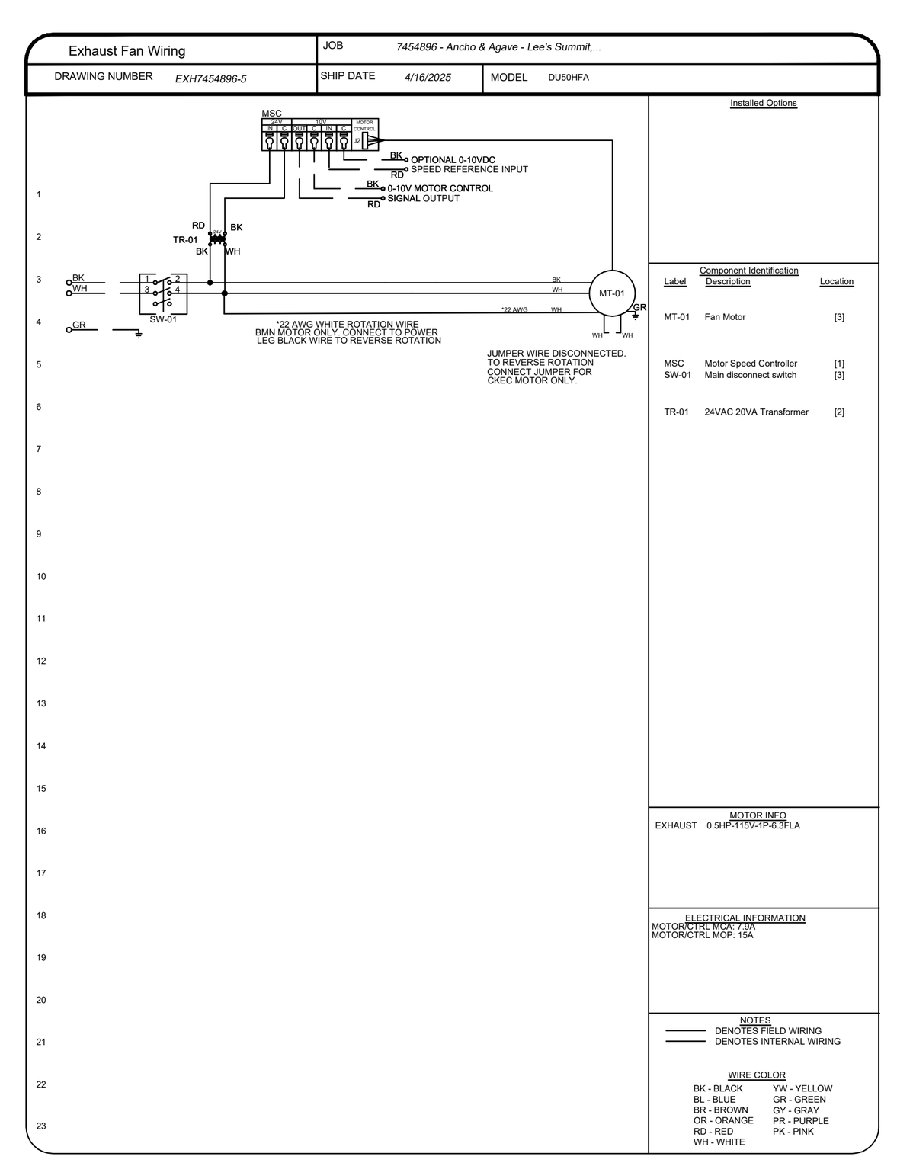
FEATURES:

- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- RESTAURANT MODEL.
- UL705 AND UL762 AND ULC-S645
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (149°C).
- GREASE CLASSIFICATION TESTING.
- NEMA 3R SAFETY DISCONNECT SWITCH.

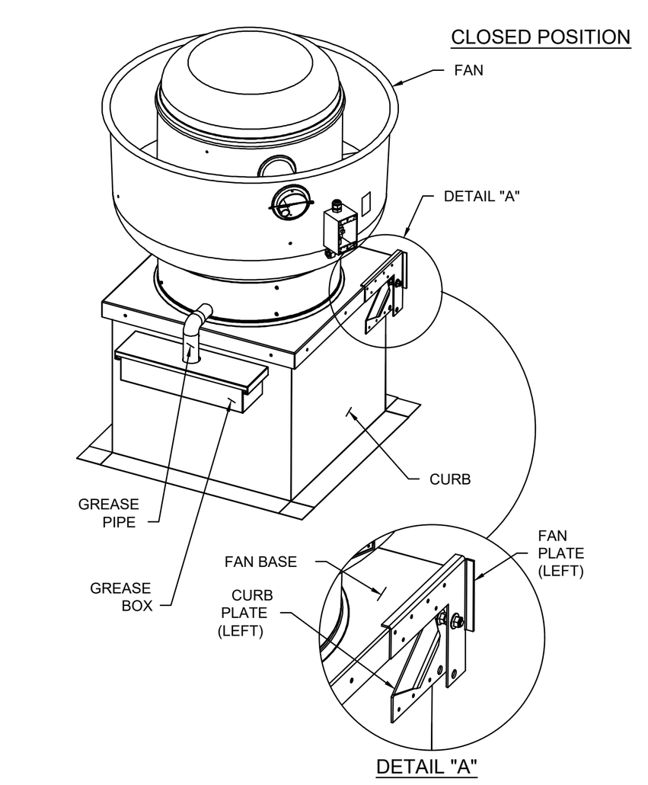
NORMAL TEMPERATURE TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

ABNORMAL FLARE-UP TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

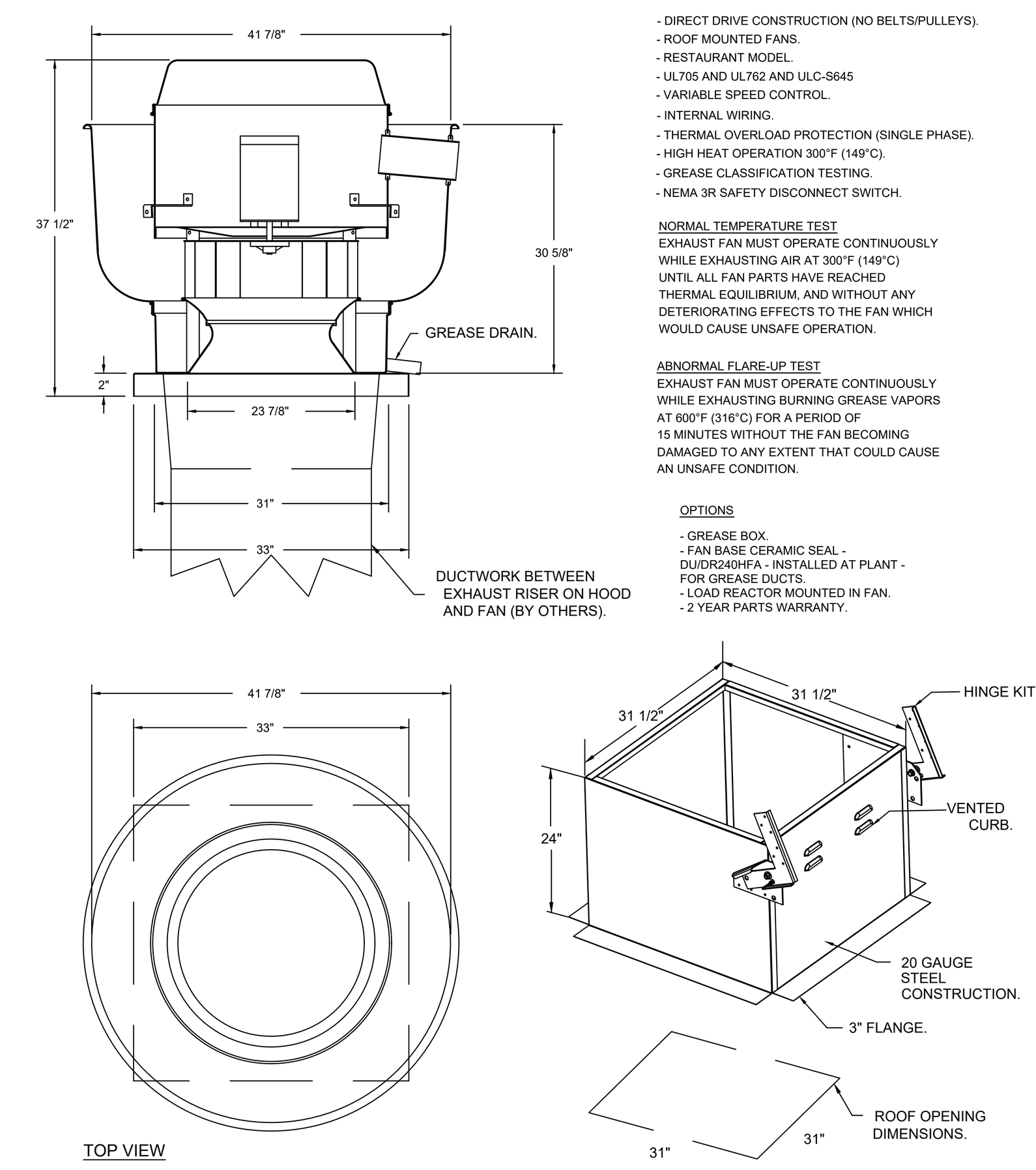
OPTIONS
- GREASE BOX.
- FAN BASE CERAMIC SEAL - DU/DR50HFA
- INSTALLED AT PLANT - FOR GREASE DUCTS.
- ECM WIRING PACKAGE - EXHAUST - MANUAL OR 0-10VDC REFERENCE SPEED CONTROL -MSC- (TELCO), CCW ROTATION.
- 2 YEAR PARTS WARRANTY.



HINGE KIT INSTALLATION



FANS #6 (EF-2 (64)), #7 (EF-3 (68)) - DU240HFA EXHAUST FAN



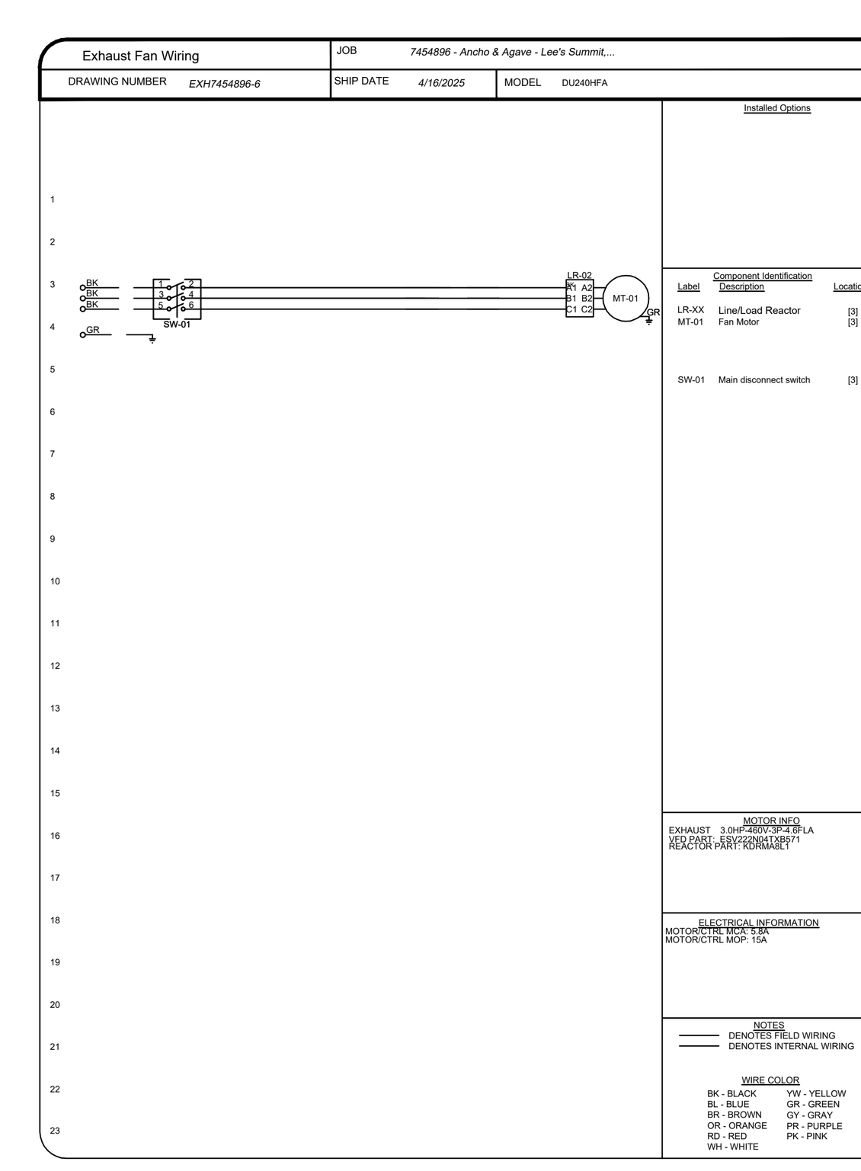
FEATURES:

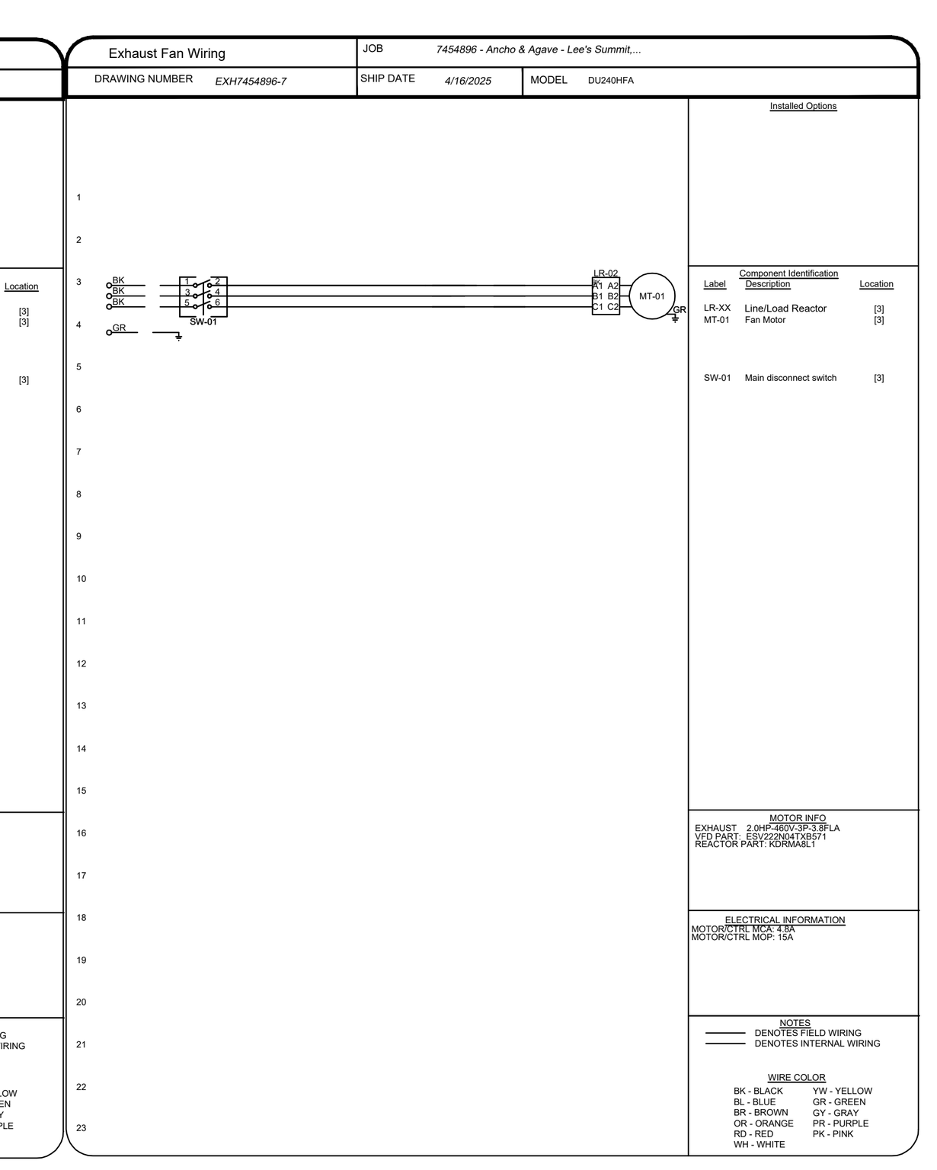
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- RESTAURANT MODEL.
- UL705 AND UL762 AND ULC-S645
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (149°C).
- GREASE CLASSIFICATION TESTING.
- NEMA 3R SAFETY DISCONNECT SWITCH.

NORMAL TEMPERATURE TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

ABNORMAL FLARE-UP TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

OPTIONS
- GREASE BOX.
- FAN BASE CERAMIC SEAL - DU/DR240HFA - INSTALLED AT PLANT - FOR GREASE DUCTS.
- LOAD REACTOR MOUNTED IN FAN.
- 2 YEAR PARTS WARRANTY.





ISSUE FOR PROGRESS

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH CONSTRUCTION AND NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR CONFLICTS.

NO	DATE	DESCRIPTION
1	04.25.25	ISSUE FOR PERMIT

REVISIONS

	DESCRIPTION	DATE
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△		
△		
△		

CAPTIVEAIRE
Chicago Foodservice Division
1120 Charleston Drive, St. Charles, IL 60174 PHONE: (630) 377 - 2611 FAX: 9195168738 EMAIL: reg55@captiveaire.com
www.captiveaire.com

Ancho & Agave - Lee's Summit, MO - Fans
Lees Summit, MO, 64086

DATE: 4/16/2025
DWG.#: 7454896
DRAWN BY: CT
SCALE: 1/2" = 1'-0"
MASTER DRAWING
SHEET NO. 1

WCW Engineers, Inc.
760 Creel Drive
Wood Dale, Illinois 60191
Tel. 630/595-6600
Fax 630/595-6818
www.WCWEngineers.com

STATE OF MISSOURI
JOSEPH G. THOMAS
NUMBER E-27428
REGISTERED PROFESSIONAL ENGINEER

CERTIFICATION:

ANCHO & AGAVE
SUMMIT FAIR SHOPPING CENTER
D-BUILDING
860-A NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086

CARR WARNER ARCHITECTS
ARCHITECTURE
INTERIORS
PLANNING
3711 N. RAVENSWOOD
SUITE #104
CHICAGO, ILLINOIS 60613
p 773-477-9009
f 773-477-6866
www.carrwarner.com

CAPTIVEAIRE DRAWINGS

JOB NO:	SHEET NO:
ANCHO - SUMMIT FAIR	
DATE: 04.25.2025	M4.1

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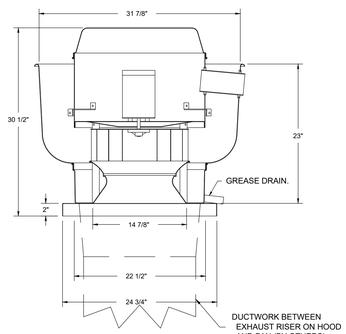
FAN #8 DU85HFA - EXHAUST FAN (EF-4 (95))



FEATURES:

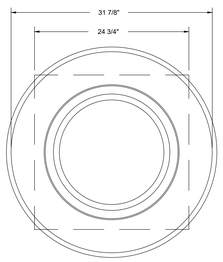
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- RESTAURANT MODEL.
- UL705 AND UL762 AND ULC-S645
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (149°C).
- GREASE CLASSIFICATION TESTING.
- NEMA 3R SAFETY DISCONNECT SWITCH.

NORMAL TEMPERATURE TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

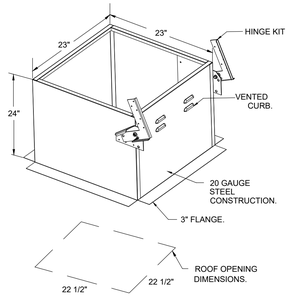
ABNORMAL FLARE-UP TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

OPTIONS

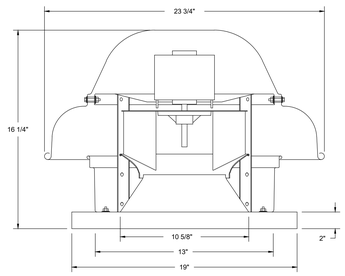
- GREASE BOX.
- FAN BASE CERAMIC SEAL - DU/DR85HFA - INSTALLED AT PLANT - FOR GREASE DUCTS.
- LOAD REACTOR MOUNTED IN FAN.
- LINE/LOAD REACTOR MOUNTING BRACKET FOR DU 50 & 85.
- 2 YEAR PARTS WARRANTY.



TOP VIEW



FANS #9 (EF-5 (BATHROOM)), #10 (EF-6 (BATHROOM)) - DR12HFA EXHAUST FAN

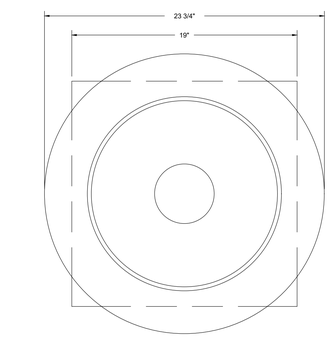


FEATURES:

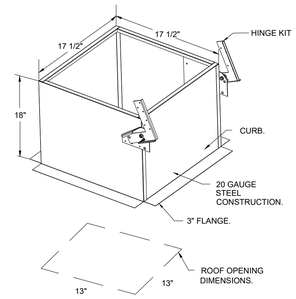
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- UL705.
- SAFETY DISCONNECT.
- STANDARD BIRD SCREEN.
- SPEED CONTROL.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).

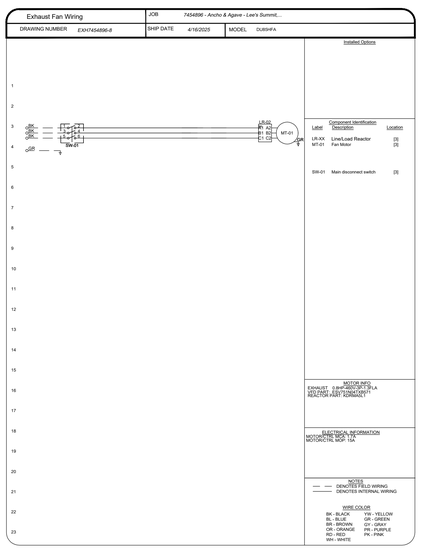
OPTIONS

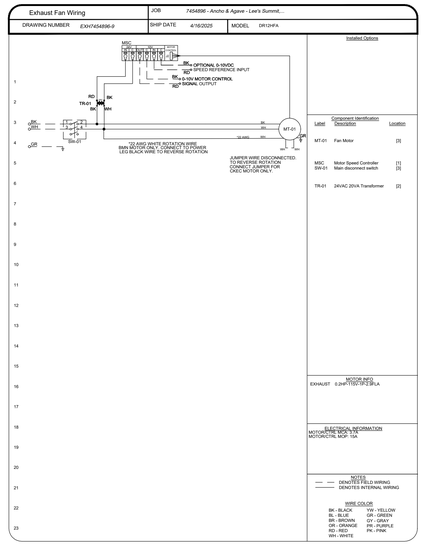
- FAN BASE CERAMIC SEAL - DU/DR12HFA - INSTALLED AT PLANT - FOR GREASE DUCTS.
- ECM WIRING PACKAGE - EXHAUST - MANUAL OR 0-10VDC REFERENCE SPEED CONTROL -MISC- (TELCO), CCW ROTATION.
- 2 YEAR PARTS WARRANTY.

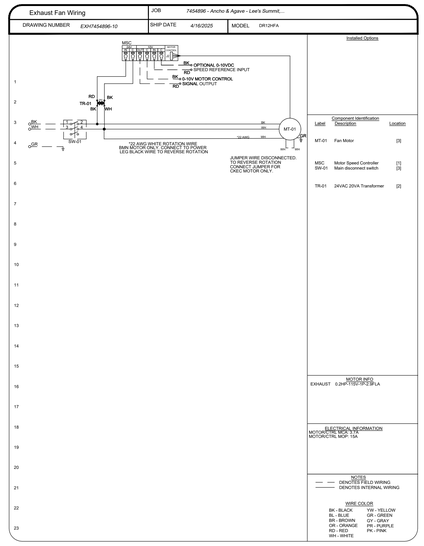


TOP VIEW









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ISSUE FOR PROGRESS

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH CONSTRUCTION AND NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR CONFLICTS.

REVISIONS

NO	DATE	DESCRIPTION
1	04.25.25	ISSUE FOR PERMIT

CAPTIVEAIRE
www.captiveaire.com
Chicago Foodservice Division
1120 Charleston Drive, St. Charles, IL. 60174 PHONE: (630) 377 - 2611 FAX: 9195168738 EMAIL: regs56@captiveaire.com

Ancho & Agave - Lee's Summit, MO - Fans

Lees Summit, MO, 64086

DATE: 4/16/2025

DWG.#: 7454896

DRAWN BY: CT

SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO. 2

WCW Engineers, Inc.
160 Creel Drive
Wood Dale, Illinois 60191
Tel. 630/595-8805
Fax 630/595-8810
www.WCWengineers.com

STATE OF MISSOURI
JOSEPH G. THOMAS
NUMBER E-27428
REGISTERED PROFESSIONAL ENGINEER

CERTIFICATION:

ANCHO & AGAVE
SUMMIT FAIR SHOPPING CENTER
D-BUILDING
860-A NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086

CARR WARNER
ARCHITECTS
ARCHITECTURE
INTERIORS
PLANNING
3711 N. RAVENSWOOD
SUITE #104
CHICAGO, ILLINOIS 60613
p 773-477-9009
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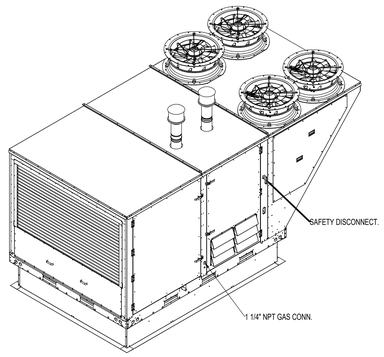
www.carrwarner.com

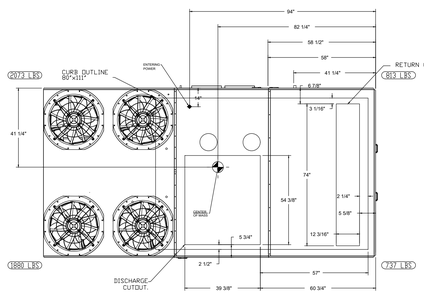
CAPTIVEAIRE DRAWINGS

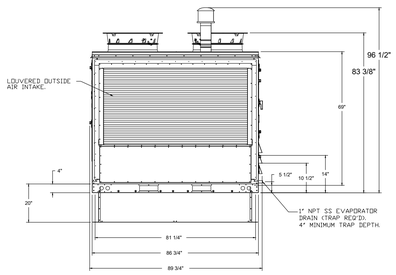
JOB NO: ANCHO - SUMMIT FAIR

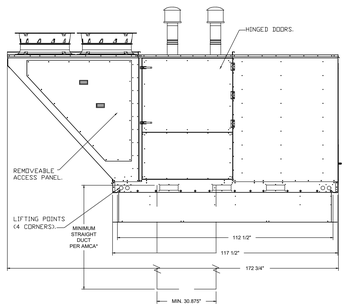
DATE: 04.25.2025

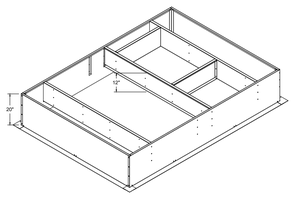
SHEET NO: M4.2

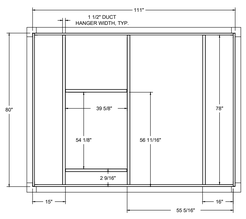


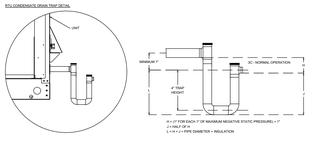


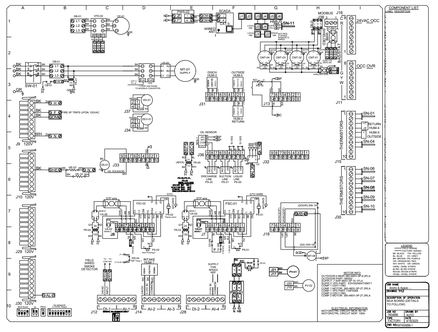












FAN #1 CAS-HVAC4-I.700-30-40T-2 - HEATER (KRTU-1)

NOTES:

1. DO NOT OBSTRUCT OUTSIDE AIR INLET, OUTSIDE AIR COIL OR OUTSIDE AIR FAN.
2. ◯ DENOTES CORNER WEIGHT.
3. ROOF OPENING MUST BE 2" SMALLER THAN CURB DIMENSIONS IN BOTH DIRECTIONS.
4. CONNECTION FROM BREAKER TO UNITS SAFETY DISCONNECT SWITCH TO BE COPPER WIRE ONLY.
5. EXTERIOR GAS CONNECTION PROVIDED BY FACTORY WITH QUICK SEAL AND ANTI-ROTATION BRACKET.

*NOTE: INTEGRAL CO2 MONITORING AND CONTROL CAPABILITIES FOR ALL SPACE MOUNTED THERMOSTATS.

*NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN AMCA PUBLICATION 201. WHEN USING RECTANGULAR DUCTWORK, ELBOWS MUST BE RADIUS THROAT, RADIUS BACK WITH TURNING VANES. FLEXIBLE DUCTWORK AND SQUARE THROAT/SQUARE BACK ELBOWS SHOULD NOT BE USED. ANY TRANSITION AND/OR TURNS IN THE DUCTWORK WILL CAUSE SYSTEM EFFECT. SYSTEM EFFECT WILL DRASTICALLY INCREASE STATIC PRESSURE AND REDUCE AIRFLOW. DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE TO PROPERLY SIZE DUCTWORK MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT.
SUGGESTED STRAIGHT DUCT SIZE IS 30.875" x 39.75".

TYPICAL DOAS/RTU ROOF MOUNTING INSTALLATION INSTRUCTIONS

1. SECURE THE CURB TO THE ROOF FRAMING MEMBERS BY DRILLING 1/4" PILOT HOLES IN THE CURB FLANGES AT LOCATIONS SHOWN IN THE DIAGRAM BELOW. USING 3/8" X 2" ZINC PLATED STEEL LAG BOLTS, AND ZINC PLATED WASHERS, SCREW THROUGH THE CURB FLANGES AND INTO THE ROOF FRAMING MEMBERS. A MINIMUM OF (5) LAG BOLTS ON EACH SHORT SIDE, AND (7) LAG BOLTS ON EACH LONG SIDE IS REQUIRED.

2. SECURE THE UNIT BASE TO THE SIDE WALLS OF THE CURB USING (24) 1/4"-14 X 2" SELF-DRILLING, STEEL ZINC PLATED SCREWS. PRE-PUNCHED HOLES HAVE BEEN PROVIDED FOR EACH SCREW LOCATION.

REVISIONS	
DESCRIPTION	DATE:
△	
△	
△	
△	

CAPTIVEAIRE
www.captiveaire.com
Chicago Foodservice Division
1120 Charleston Drive, St. Charles, IL, 60174 PHONE: (630) 377 - 2611 FAX: 9195168738 EMAIL: reg55@captiveaire.com

Ancho & Agave - Lee's Summit, MO - Fans
Lees Summit, MO, 64086

DATE: 4/16/2025
DWG.#: 7454896
DRAWN BY: CT
SCALE: 3/8" = 1'-0"
MASTER DRAWING

SHEET NO.
3

ISSUE FOR PROGRESS

OWNER RELEASE: I HAVE REVIEWED THESE DRAWINGS FOR DESIGN INTENT AND HEREBY CERTIFY THAT THEY CONFORM IN ALL RESPECTS TO MY DESIGN CRITERIA AND ARE APPROVED.

BY ______________ DATE ______________

THESE DRAWINGS MAY HAVE BEEN REPRODUCED AT A SIZE DIFFERENTLY THAN ORIGINALLY DRAWN. OWNER AND ARCHITECT ASSUME NO RESPONSIBILITY FOR USE OF INCORRECT SCALE.

DO NOT SCALE DRAWINGS

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NO	DATE	DESCRIPTION
1	04.25.25	ISSUE FOR PERMIT

WCW Engineers, Inc.
760 Creel Drive
Wood Dale, Illinois 60191
Tel. 630/595-8800
Fax 630/595-8818
www.WCWengineers.com

JOSEPH G. THOMAS
NUMBER E-27428

CERTIFICATION:

ANCHO
&
AGAVE
SUMMIT FAIR SHOPPING CENTER
D-BUILDING
860-A NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086

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CAPTIVEAIRE DRAWINGS

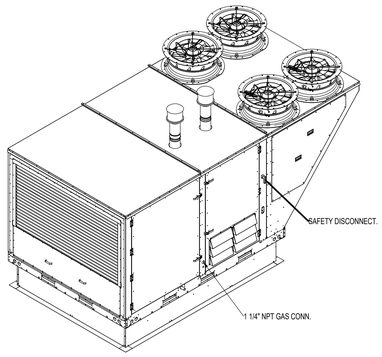
JOB NO:
ANCHO - SUMMIT FAIR
DATE:
04.25.2025
SHEET NO:
M4.3

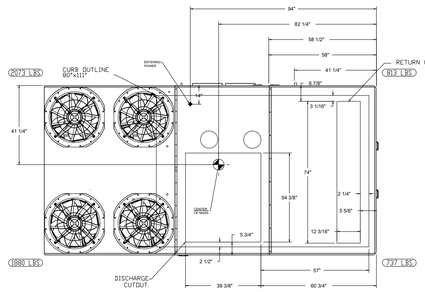
FAN #2 CAS-HVAC4-I.700-30-40T-2 - HEATER (KRTU-2)

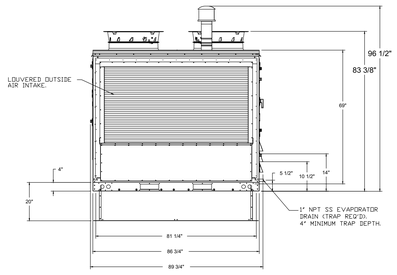
NOTES:
1. DO NOT OBSTRUCT OUTSIDE AIR INLET, OUTSIDE AIR COIL OR OUTSIDE AIR FAN.
2. ____ DENOTES CORNER WEIGHT.
3. ROOF OPENING MUST BE 2" SMALLER THAN CURB DIMENSIONS IN BOTH DIRECTIONS.
4. CONNECTION FROM BREAKER TO UNITS SAFETY DISCONNECT SWITCH TO BE COPPER WIRE ONLY.
5. EXTERIOR GAS CONNECTION PROVIDED BY FACTORY WITH QUICK SEAL AND ANTI-ROTATION BRACKET.

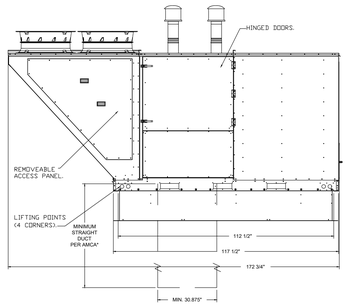
*NOTE: INTEGRAL CO2 MONITORING AND CONTROL CAPABILITIES FOR ALL SPACE MOUNTED THERMOSTATS.

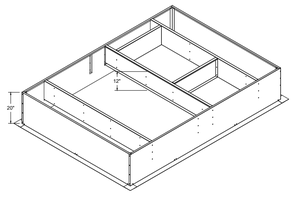
*NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN AMCA PUBLICATION 201. WHEN USING RECTANGULAR DUCTWORK, ELBOWS MUST BE RADIUS THROAT, RADIUS BACK WITH TURNING VANES. FLEXIBLE DUCTWORK AND SQUARE THROAT/SQUARE BACK ELBOWS SHOULD NOT BE USED. ANY TRANSITION AND/OR TURNS IN THE DUCTWORK WILL CAUSE SYSTEM EFFECT. SYSTEM EFFECT WILL DRASTICALLY INCREASE STATIC PRESSURE AND REDUCE AIRFLOW. DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE TO PROPERLY SIZE DUCTWORK MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT.
SUGGESTED STRAIGHT DUCT SIZE IS 30.875" x 39.75".

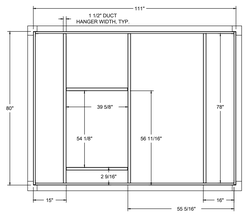


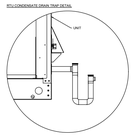


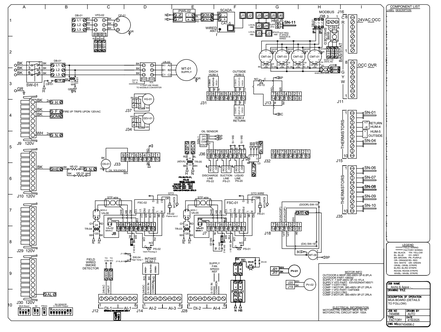


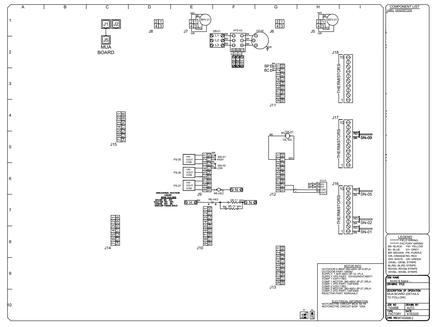


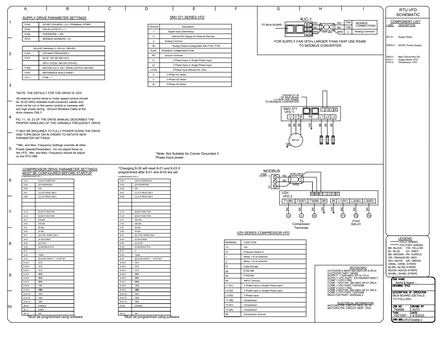


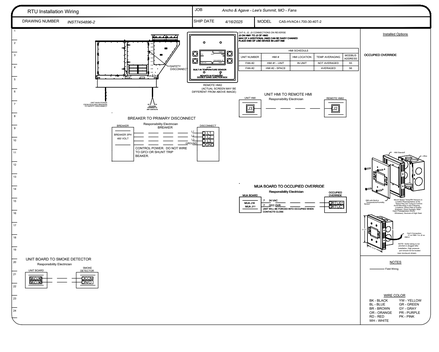


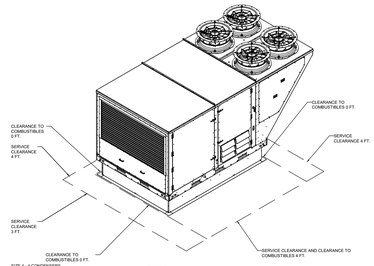


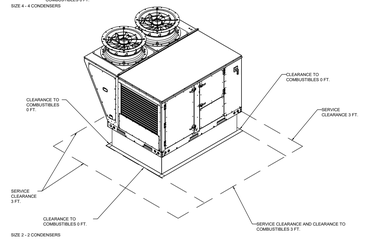












REVISIONS

	DESCRIPTION	DATE
1		
2		
3		
4		

ISSUE FOR PROGRESS

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CAPTIVEAIRE

Chicago Foodservice Division

1120 Charleston Drive, St. Charles, IL 60174 PHONE: (630) 377 - 2611 FAX: 9195168738 EMAIL: regf56@captiveaire.com

www.captiveaire.com

Ancho & Agave - Lee's Summit, MO - Fans

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DATE: 4/16/2025

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SCALE: 3/8" = 1'-0"

MASTER DRAWING

SHEET NO. 4

WCW Engineers, Inc.
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CAPTIVEAIRE DRAWINGS

JOB NO:	SHEET NO:
ANCHO - SUMMIT FAIR	M4.4
DATE: 04.25.2025	

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FAN #3 (DRTU-1), #4 (DRTU-2) - CAS-HVAC2-I.300-18-13T HEATER

NOTES:

1. DO NOT OBSTRUCT OUTSIDE AIR INLET, OUTSIDE AIR COIL OR OUTSIDE AIR FAN.
2. ( ) DENOTES CORNER WEIGHT.
3. ROOF OPENING MUST BE 2" SMALLER THAN CURB DIMENSIONS IN BOTH DIRECTIONS.
4. CONNECTION FROM BREAKER TO UNITS SAFETY DISCONNECT SWITCH TO BE COPPER WIRE ONLY.
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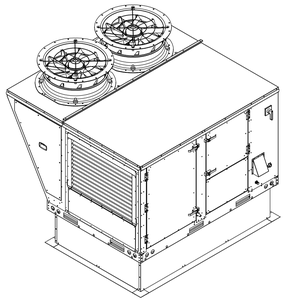
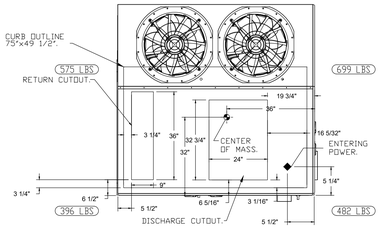
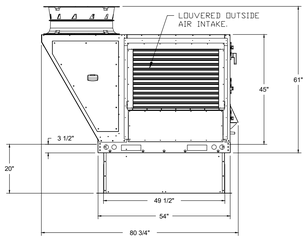
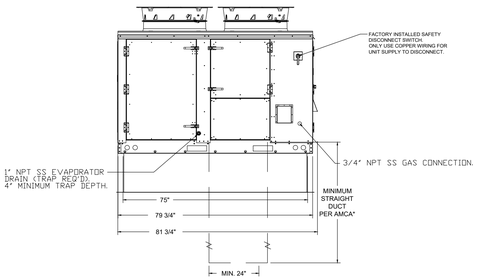
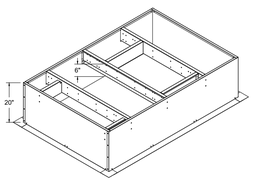
SUGGESTED STRAIGHT DUCT SIZE IS 24" x 30.25".

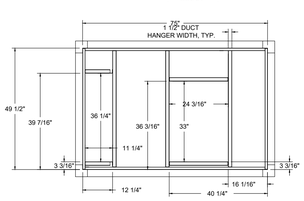










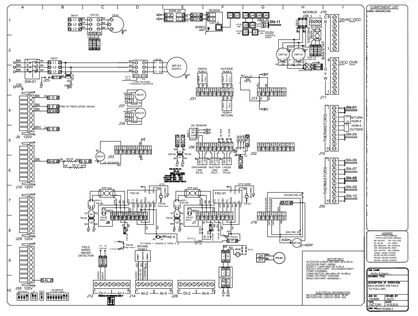


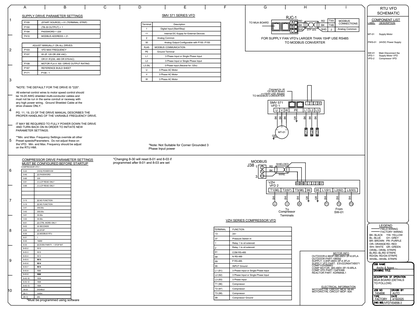
SYSTEM DESIGN VERIFICATION (SDV)

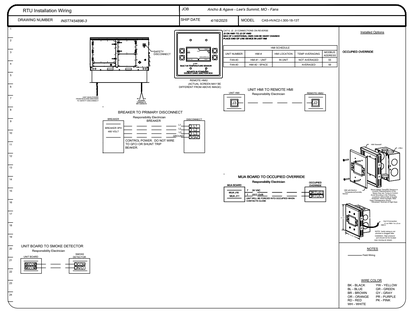
IF ORDERED, CAS SERVICE WILL PERFORM A SYSTEM DESIGN VERIFICATION (SDV) ONCE ALL EQUIPMENT HAS HAD A COMPLETE START UP PER THE OPERATION AND INSTALLATION MANUAL. TYPICALLY, THE SDV WILL BE PERFORMED AFTER ALL INSPECTIONS ARE COMPLETE.

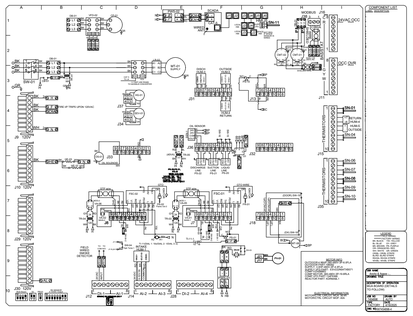
ANY FIELD RELATED DISCREPANCIES THAT ARE DISCOVERED DURING THE SDV WILL BE BROUGHT TO THE ATTENTION OF THE GENERAL CONTRACTOR AND CORRESPONDING TRADES ON SITE. THESE ISSUES WILL BE DOCUMENTED AND FORWARDED TO THE APPROPRIATE SALES OFFICE. IF CAS SERVICE HAS TO RESOLVE A DISCREPANCY THAT IS A FIELD ISSUE, THE GENERAL CONTRACTOR WILL BE NOTIFIED AND BILLED FOR THE WORK. SHOULD A RETURN TRIP BE REQUIRED DUE TO ANY FIELD RELATED DISCREPANCY THAT CANNOT BE RESOLVED DURING THE SDV, THERE WILL BE ADDITIONAL TRIP CHARGES.

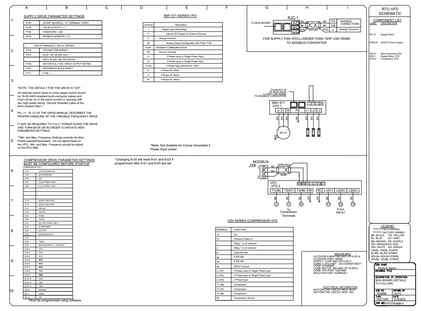
DURING THE SDV, CAS SERVICE WILL ADDRESS ANY DISCREPANCY THAT IS THE FAULT OF THE MANUFACTURER. SHOULD A RETURN TRIP BE REQUIRED, THE GENERAL CONTRACTOR AND APPROPRIATE SALES OFFICE WILL BE NOTIFIED. THERE WILL BE NO ADDITIONAL CHARGES FOR MANUFACTURER DISCREPANCIES.

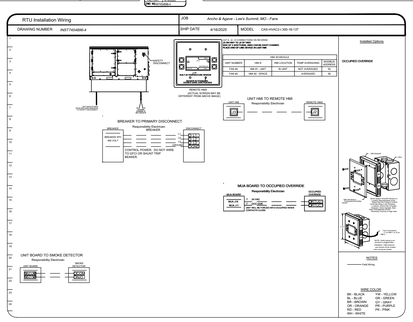












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Chicago Foodservice Division

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Ancho & Agave - Lee's Summit, MO - Fans

Lees Summit, MO, 64086

DATE: 4/16/2025

DWG.#: 7454896

DRAWN BY: CT

SCALE: 3/8" = 1'-0"

MASTER DRAWING

SHEET NO. 5

WCW Engineers, Inc.
760 Creel Drive
Wood Dale, Illinois 60191
Tel: 630/595-8800
Fax 630/595-8818
www.WCWengineers.com

STATE OF MISSOURI
JOSEPH G. THOMAS
NUMBER E-27428
REGISTERED PROFESSIONAL ENGINEER

CERTIFICATION:

ANCHO & AGAVE
SUMMIT FAIR SHOPPING CENTER
D-BUILDING
860-A NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086

CARR WARNER ARCHITECTS
ARCHITECTURE
INTERIORS
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f 773-477-6888
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JOB NO:	SHEET NO:
ANCHO - SUMMIT FAIR	M4.5
DATE: 04.25.2025	

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FOR QUESTIONS, CALL THE
Chicago Foodservice Division
REGION 55
PHONE: (630) 377 - 2611
EMAIL: reg55@captiveaire.com

PATENT NUMBERS

EXHAUST HOODS ND-2/BD-2/SND-2 (CANADA) - CA PATENT 2520435 C.

HOOD INFORMATION - JOB#7453430

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER(S) WIDTH	LENG	HEIGHT	DIA	CFM	VEL	SP	HOOD CONSTRUCTION	HOOD CONFIG END TO END	ROW	SWITCHES QUANTITY	LOCATION
1	50	4224 VHB-G-ND	CAPTIVEAIRE	7' 6"	700 DEG	II	N/A	150	1125	12"	12"	4"		1125	1125	-0.119"	430 SS 100%	ALONE	ALONE	1 FAN 1 LIGHT	FRONT LEFT FACE
2	64L	6024 ND-2	CAPTIVEAIRE	10' 4"	600 DEG	I	HEAVY	250	2583	10"	24"	4"		2583	1550	-0.390"	430 SS WHERE EXPOSED	LEFT	ALONE		
3	64R	6024 ND-2	CAPTIVEAIRE	10' 0"	600 DEG	I	HEAVY	200	2000			4"	14"	2000	1871	-0.534"	430 SS WHERE EXPOSED	RIGHT	ALONE		
4	68L	6024 ND-2	CAPTIVEAIRE	10' 6"	600 DEG	I	HEAVY	200	2100	10"	20"	4"		2100	1512	-0.429"	430 SS WHERE EXPOSED	LEFT	ALONE		
5	68R	6024 ND-2	CAPTIVEAIRE	10' 0"	600 DEG	I	HEAVY	200	2000	10"	19"	4"		2000	1516	-0.414"	430 SS WHERE EXPOSED	RIGHT	ALONE		
6	95	6024 ND-2	CAPTIVEAIRE	10' 0"	600 DEG	I	HEAVY	200	2000	10"	19"	4"		2000	1516	-0.414"	430 SS WHERE EXPOSED	ALONE	ALONE		

HOOD INFORMATION

HOOD NO	TAG	FILTER(S) TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	LIGHT(S) QTY	TYPE	WIRE GUARD	UTILITY CABINET(S) LOCATION	SIZE	FIRE SYSTEM TYPE	FIRE SYSTEM SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY	FIRE SYSTEM PIPING	HOOD HANGING WEIGHT
1	50						3	L55 SERIES E26	NO							NO	268 LBS
2	64L	SS BAFFLE WITH HANDLES	7	20"	16"	30%	3	RECESSED ROUND	NO							YES	526 LBS
3	64R	SS BAFFLE WITH HANDLES	7	16"	16"	30%	3	RECESSED ROUND	NO	RIGHT	12"x60"x24"	TANK FS	4.0/4.0/4.0/4.0			YES	1007 LBS
4	68L	SS BAFFLE WITH HANDLES	7	16"	16"	30%	3	RECESSED ROUND	NO							YES	540 LBS
5	68R	SS BAFFLE WITH HANDLES	7	16"	16"	30%	3	RECESSED ROUND	NO	RIGHT	12"x60"x24"	TANK FS	4.0/4.0/4.0/4.0			YES	1013 LBS
6	95	SS BAFFLE WITH HANDLES	7	16"	16"	30%	3	RECESSED ROUND	NO	LEFT	12"x60"x24"	TANK FS	4.0/4.0			YES	790 LBS

HOOD OPTIONS

HOOD NO	TAG	OPTION
1	50	FIELD WRAPPER 18.00" HIGH FRONT, LEFT.
2	64L	FIELD WRAPPER 24.00" HIGH FRONT, LEFT.
		BACKSPLASH 122.00" HIGH X 246.00" LONG 430 SS VERTICAL.
		BALANCE DAMPERS.
		RISER SENSOR INSTALL 6IN PLEN.
		LEFT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.
3	64R	FIELD WRAPPER 24.00" HIGH FRONT, RIGHT.
		BALANCE DAMPERS.
		RISER SENSOR INSTALL 6IN PLEN.
		RIGHT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.
4	68L	FIELD WRAPPER 24.00" HIGH FRONT, LEFT.
		BACKSPLASH 122.00" HIGH X 246.00" LONG 430 SS VERTICAL.
		BALANCE DAMPERS.
		RISER SENSOR INSTALL 6IN PLEN.
		LEFT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.
5	68R	FIELD WRAPPER 24.00" HIGH FRONT, RIGHT.
		BALANCE DAMPERS.
		RISER SENSOR INSTALL 6IN PLEN.
		RIGHT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.
6	95	FIELD WRAPPER 24.00" HIGH FRONT, LEFT, RIGHT.
		BACKSPLASH 120.00" HIGH X 210.00" LONG 430 SS VERTICAL.
		RIGHT QUARTER END PANEL 23" TOP WIDTH, 0" BOTTOM WIDTH, 23" HIGH 430 SS.
		LEFT QUARTER END PANEL 23" TOP WIDTH, 0" BOTTOM WIDTH, 23" HIGH 430 SS.
		RISER SENSOR INSTALL 6IN PLEN.
7	Dish wall flashing	OPTIONS ONLY: BACKSPLASH 122.00" HIGH X 166.00" LONG 430 SS VERTICAL.
		OPTIONS ONLY: BACKSPLASH 122.00" HIGH X 184.00" LONG 430 SS VERTICAL.
		OPTIONS ONLY: BACKSPLASH 122.00" HIGH X 114.00" LONG 430 SS VERTICAL.
		OPTIONS ONLY: LEFT SIDESPLASH 122.00" HIGH X 36.00" LONG 430 SS VERTICAL.
		OPTIONS ONLY: LEFT SIDESPLASH 122.00" HIGH X 30.00" LONG 430 SS VERTICAL.
		OPTIONS ONLY: BACKSPLASH - INSIDE CORNER 122.00" HIGH X 2.00" LEG LENGTH 430 SS VERTICAL.
		OPTIONS ONLY: BACKSPLASH - INSIDE CORNER 122.00" HIGH X 2.00" LEG LENGTH 430 SS VERTICAL.
		OPTIONS ONLY: BACKSPLASH - INSIDE CORNER 122.00" HIGH X 2.00" LEG LENGTH 430 SS VERTICAL.
		OPTIONS ONLY: BACKSPLASH - OUTSIDE CORNER 122.00" HIGH X 2.00" LEG LENGTH 430 SS VERTICAL.
		OPTIONS ONLY: BACKSPLASH - OUTSIDE CORNER 122.00" HIGH X 2.00" LEG LENGTH 430 SS VERTICAL.
8	App Cook-splash	OPTIONS ONLY: BACKSPLASH 122.00" HIGH X 72.00" LONG 430 SS VERTICAL.
		OPTIONS ONLY: BACKSPLASH 122.00" HIGH X 36.00" LONG 430 SS VERTICAL.
		OPTIONS ONLY: BACKSPLASH 122.00" HIGH X 312.00" LONG 430 SS VERTICAL.
		OPTIONS ONLY: BACKSPLASH 122.00" HIGH X 36.00" LONG 430 SS VERTICAL.
		OPTIONS ONLY: BACKSPLASH 122.00" HIGH X 66.00" LONG 430 SS VERTICAL.

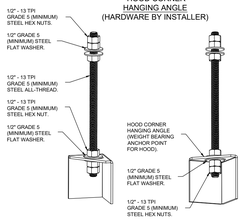
WALL-MOUNT UTILITY CABINET

HOOD NO	LOCATION	SIZE	UTILITY CABINET(S) FIRE SYSTEM TYPE	FIRE SYSTEM SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY	WEIGHT
5	WALL MNT	12"x48"x30"			DCV-3111_MA4	1 LIGHT 1 FAN	140 LBS

CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH

NFPA #96
NSF
E.T.L. LISTED 3054804-001 TO UL 710 & ULC710 STANDARDS

HOOD CORNER HANGING ANGLE (HARDWARE BY INSTALLER)



ASSEMBLY INSTRUCTIONS

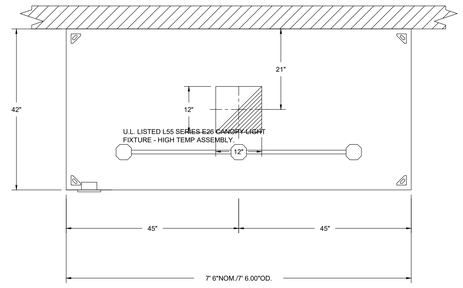
HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD. SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION BENEATH HOOD HANGING ANGLES AND ABOVE CEILING ANCHORS. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.

CUSTOMER APPROVAL TO MANUFACTURE:

APPROVED AS NOTED ☐
APPROVED WITH NO EXCEPTIONS ☐
REVISIV AS NOTED AND RESUBMITT ☐

SIGNATURE: _____

YOUR TITLE: _____ DATE: _____

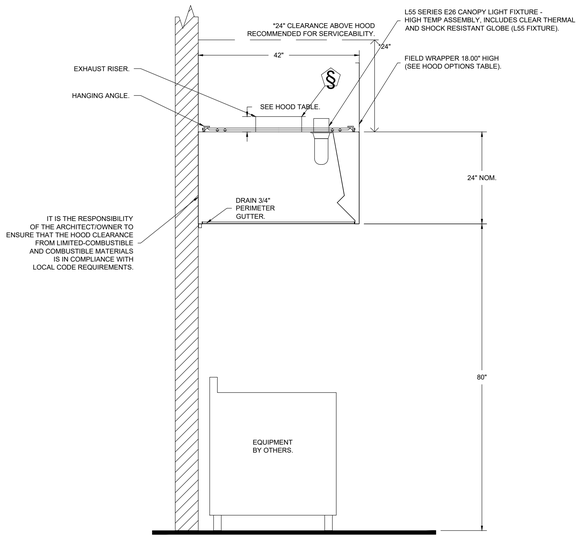


PLAN VIEW - HOOD #1 (50)
7' 6.00" LONG 4224VHB-G-ND

VERIFY CEILING HEIGHT

Height required to verify that the hood will fit and to size the enclosure panels

☐ Drop Ceiling ☐ Hard Drywall Ceiling



SECTION VIEW - MODEL 4224VHB-G-ND HOOD - #1 (50)

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CAPTIVE-AIRE
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Chicago Foodservice Division
1120 Charleston Drive, St. Charles, IL. 60174 PHONE: (630) 377 - 2611 FAX: 9195168738 EMAIL: reg55@captiveaire.com

Ancho & Agave - Lee's Summit, MO - Hoods_ND-2

LEES SUMMIT, MO, 64086

DATE: 4/16/2025

DWG.#: 7453430

DRAWN BY: CT

SCALE: 3/4" = 1'-0"

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760 Creel Drive
Wood Dale, Illinois 60191
Tel: 630/595-8802
Fax 630/595-8818
www.WCWengineers.com

STATE OF MISSOURI JOSEPH G. THOMAS NUMBER E-27428 REGISTERED PROFESSIONAL ENGINEER

CERTIFICATION:

ANCHO & AGAVE
SUMMIT FAIR SHOPPING CENTER
D-BUILDING
860-A NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086

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f 773-477-6888
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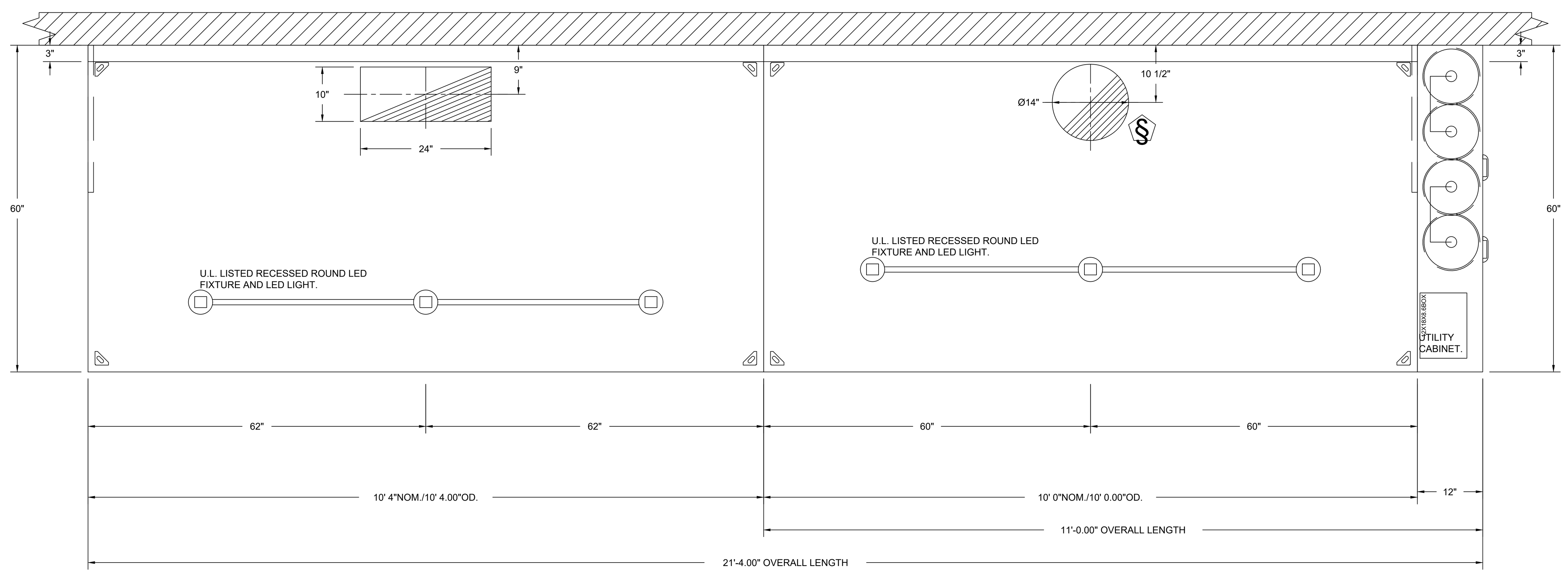
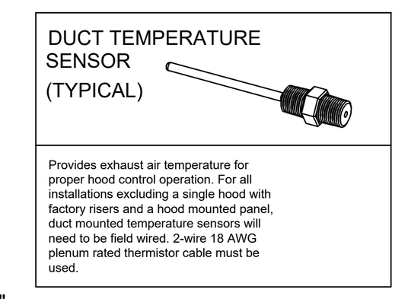
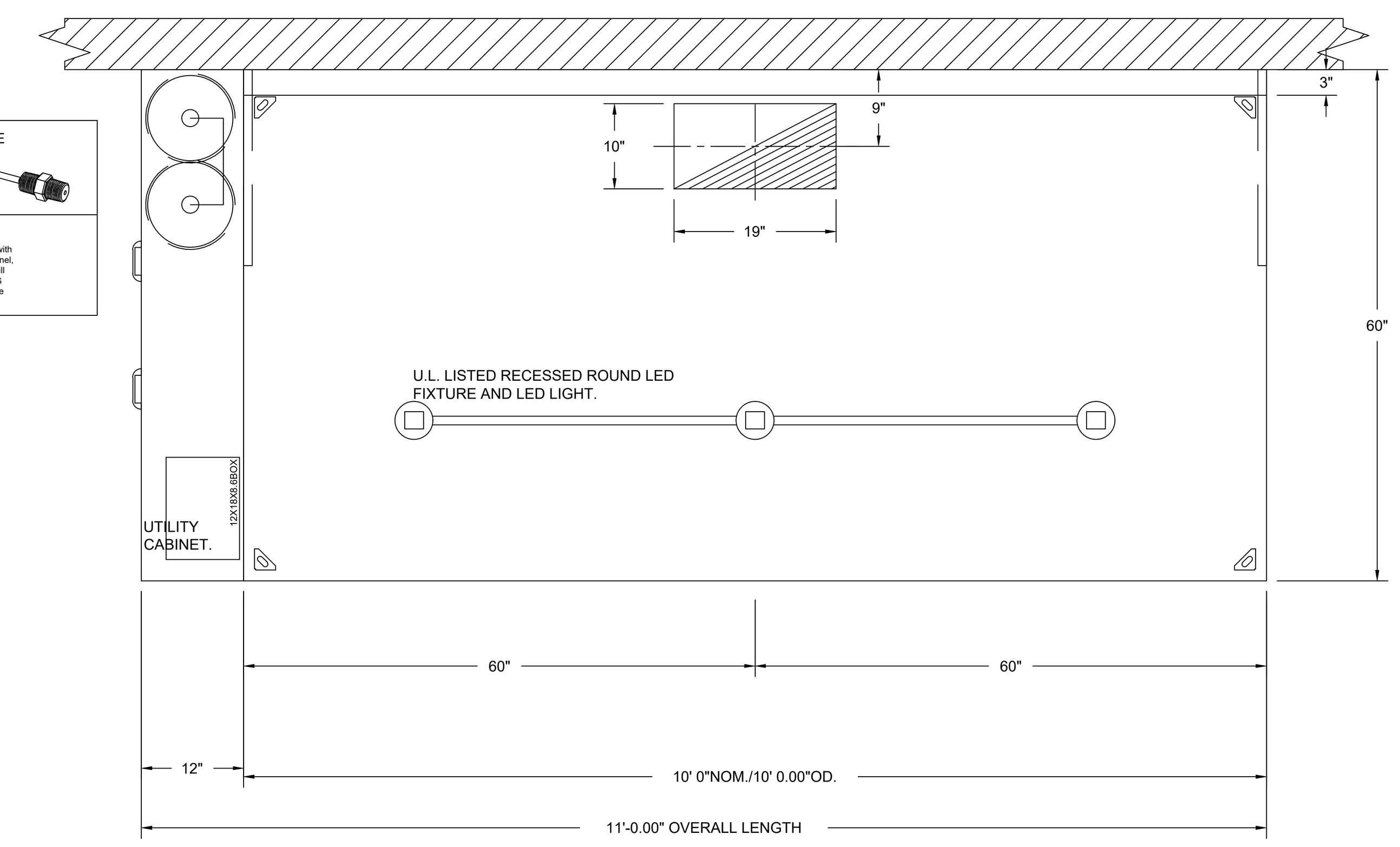


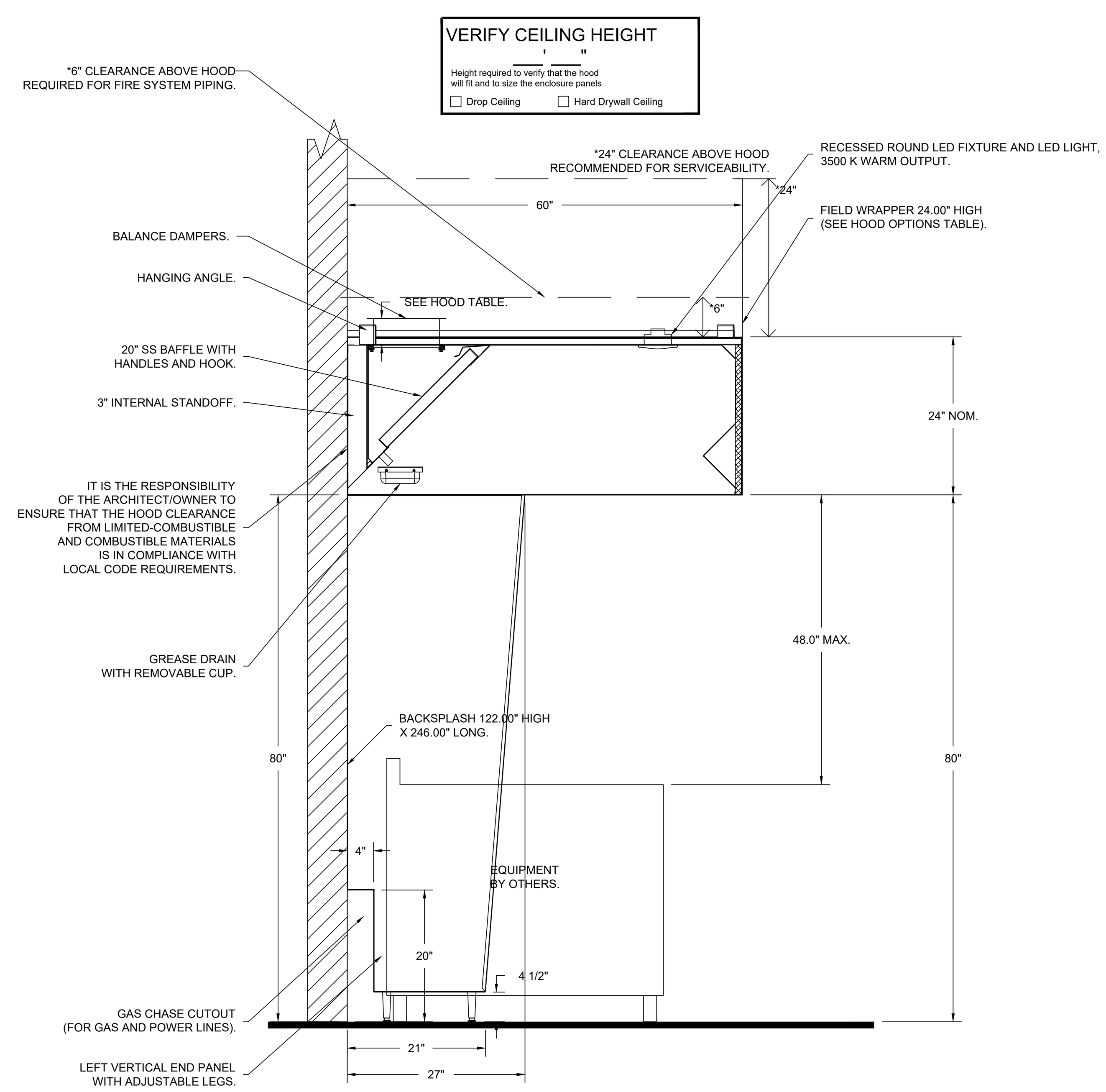
PLAN VIEW - HOOD #2 (64L)
10' 4.00" LONG 6024ND-2

PLAN VIEW - HOOD #3 (64R)
10' 0.00" LONG 6024ND-2



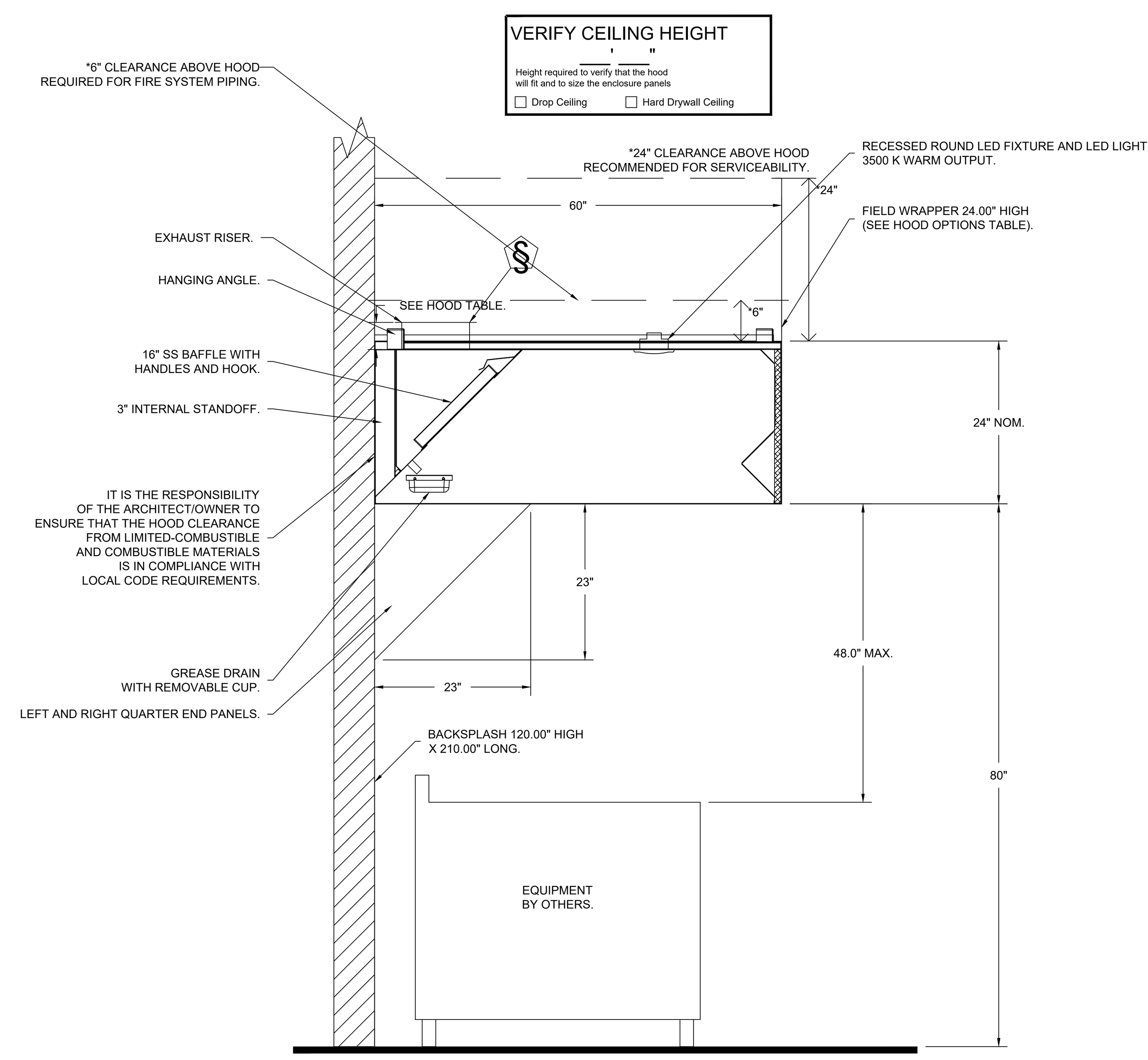


PLAN VIEW - HOOD #6 (95)
10' 0.00" LONG 6024ND-2



SECTION VIEW - MODEL 6024ND-2
HOOD - #2 (64L)

SECTION VIEW - MODEL 6024ND-2
HOOD - #3 (64R)



SECTION VIEW - MODEL 6024ND-2
HOOD - #6 (95)

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Chicago Foodservice Division
1120 Charleston Drive, St. Charles, IL 60174 PHONE: (630) 377 - 2611 FAX: 9195168738 EMAIL: rep55@captiveaire.com

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760 Creel Drive
Wood Dale, Illinois 60191
Tel. 630/595-6600
Fax 630/595-6818
www.WCWengineers.com

STATE OF MISSOURI
JOSEPH G. THOMAS
NUMBER E-27428
REGISTERED PROFESSIONAL ENGINEER

CERTIFICATION:

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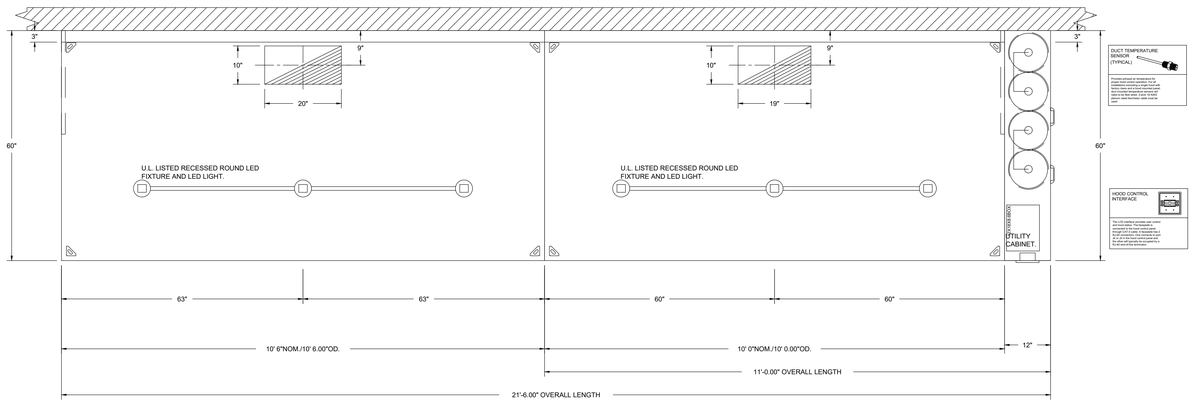
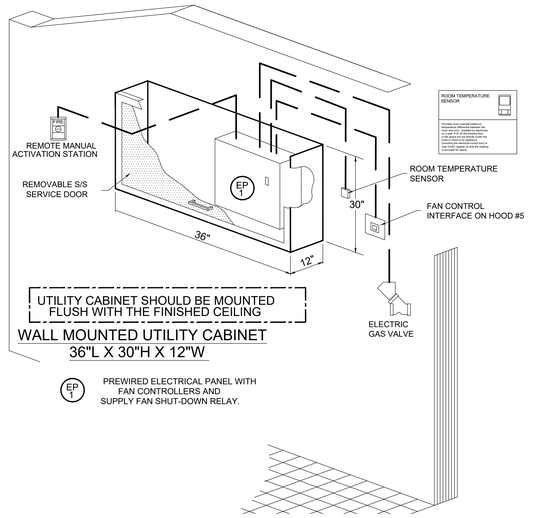
JOB NO:	SHEET NO:
ANCHO - SUMMIT FAIR	
DATE: 04.25.2025	M4.7



PLAN VIEW - HOOD #4 (68L)
10' 6.00" LONG 6024ND-2

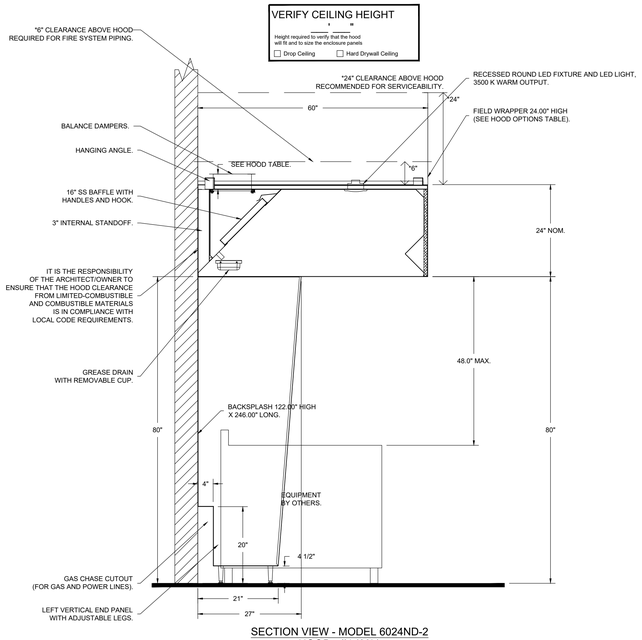
PLAN VIEW - HOOD #5 (68R)
10' 0.00" LONG 6024ND-2



UTILITY CABINET SHOULD BE MOUNTED FLUSH WITH THE FINISHED CEILING

WALL MOUNTED UTILITY CABINET
36"L X 30"H X 12"W

EP 1 PREWIRED ELECTRICAL PANEL WITH FAN CONTROLLERS AND SUPPLY FAN SHUT-DOWN RELAY.



SECTION VIEW - MODEL 6024ND-2
HOOD - #4 (68L)

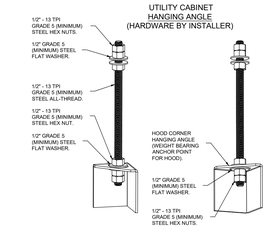
SECTION VIEW - MODEL 6024ND-2
HOOD - #5 (68R)

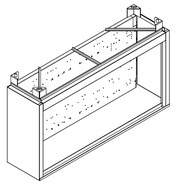
WALL-MOUNT UTILITY CABINET
ASSEMBLY INSTRUCTIONS

CABINET TO BE HUNG BY OTHERS. SEE UTILITY CABINET SCHEDULE FOR CABINET SIZE.

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD. SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION BENEATH UTILITY CABINET HANGING ANGLES AND ABOVE CEILING ANCHORS. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.

UTILITY CABINET
HANGING ANGLE
(HARDWARE BY INSTALLER)





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Chicago Foodservice Division

Ancho & Agave - Lee's Summit, MO - Hoods_ND-2

LEES SUMMIT, MO, 64086

DATE: 4/16/2025

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760 Creel Drive
Wood Dale, Illinois 60191
Tel. 630/595-8800
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STATE OF MISSOURI
JOSEPH G. THOMAS
NUMBER E-27428
REGISTERED PROFESSIONAL ENGINEER

CERTIFICATION:

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JOB NO: ANCHO - SUMMIT FAIR

SHEET NO: M4.8

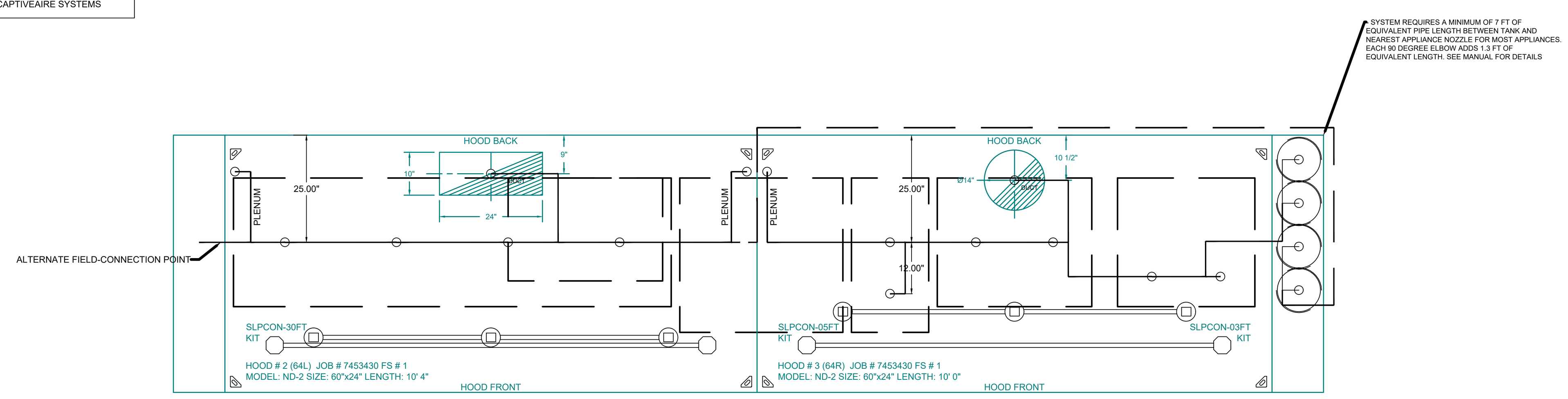
DATE: 04.25.2025

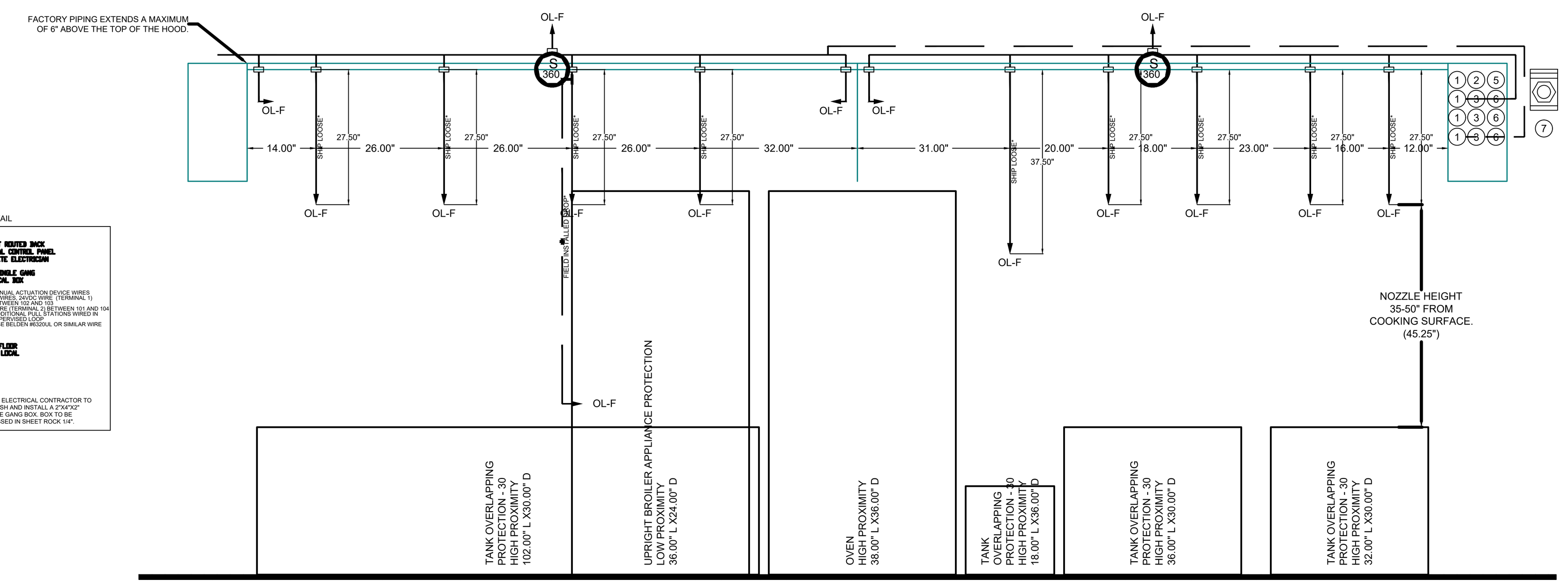
FIRE SYSTEM INFORMATION - JOB#7453430

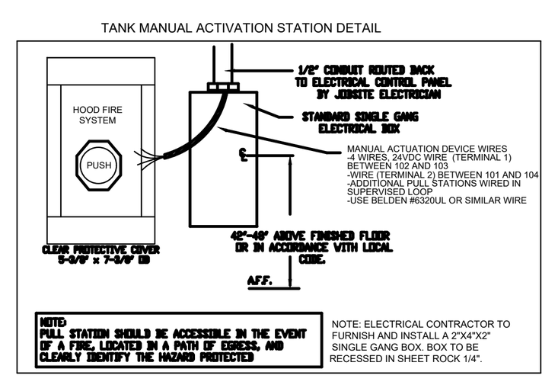
FIRE SYSTEM NO	TAG	TYPE	SIZE	MAX FP	DESIGN FP	INSTALLATION	
						SYSTEM	LOCATION ON HOOD
1	64.4	TANK FS	4.0/4.0/4.0/4.0	80	74	FIRE CABINET RIGHT	RIGHT, HOOD 3
2		TANK FS	4.0/4.0/4.0/4.0	80	70	FIRE CABINET RIGHT	RIGHT, HOOD 5
3	95.4	TANK FS	4.0/4.0	40	40	FIRE CABINET LEFT	LEFT, HOOD 6

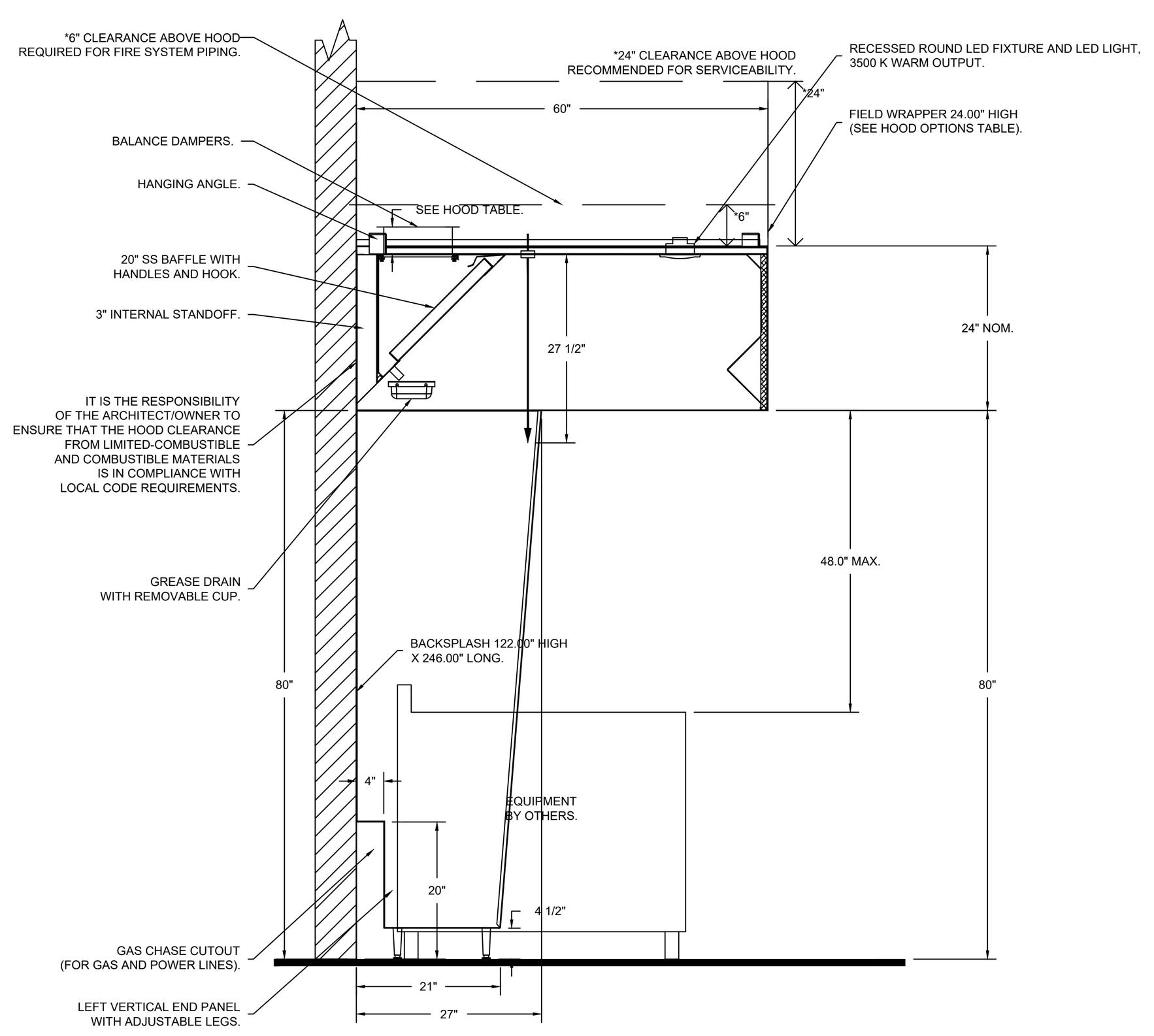
GAS VALVE(S)

FIRE SYSTEM NO	TAG	TYPE	SIZE	SUPPLIED BY
1	64.4	SC ELECTRICAL	2.000	CAPTIVEAIRE SYSTEMS
2		SC ELECTRICAL	2.000	CAPTIVEAIRE SYSTEMS
3	95.4	SC ELECTRICAL	1.250	CAPTIVEAIRE SYSTEMS

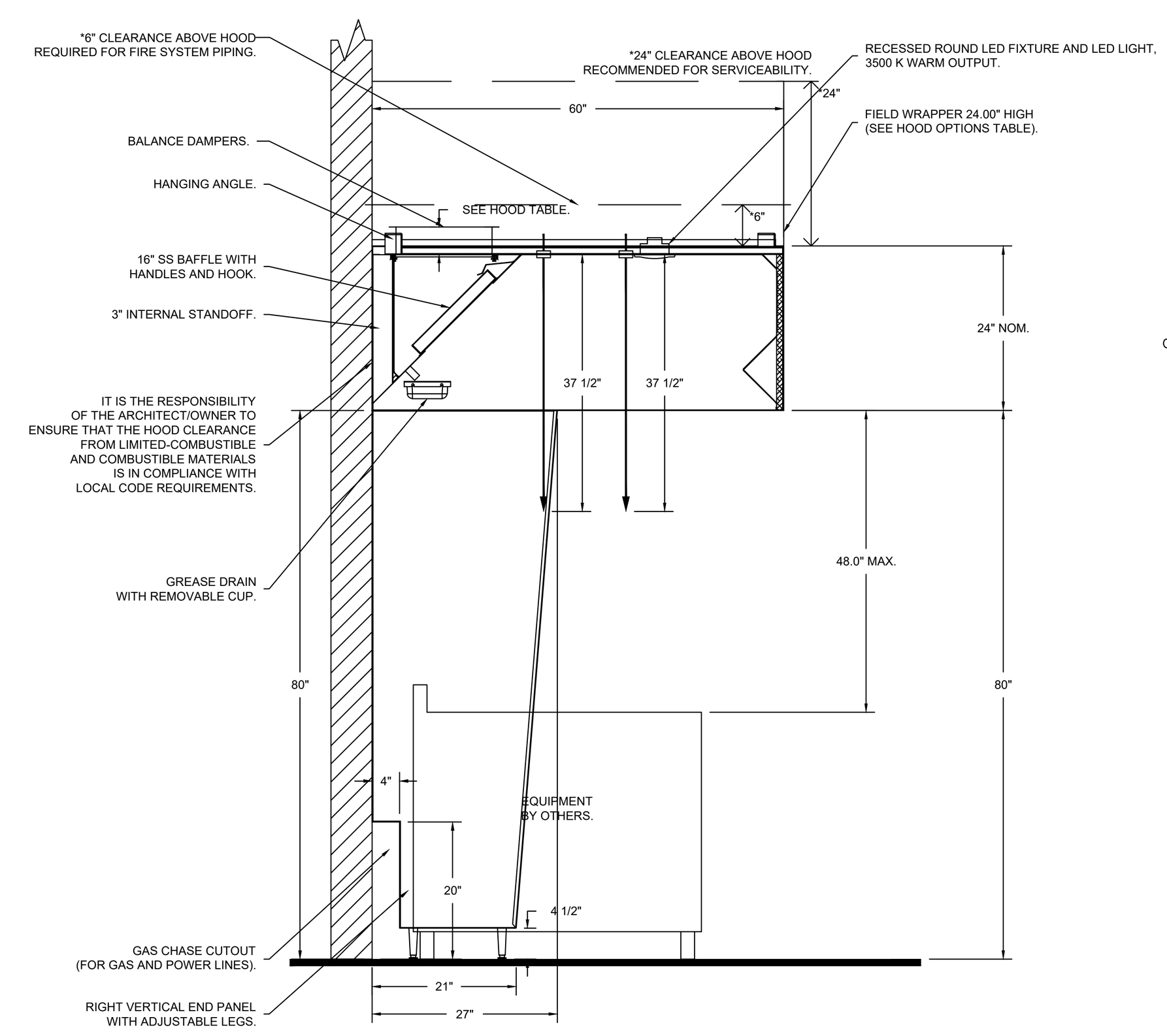








SECTION VIEW - MODEL 6024ND-2
HOOD - #2



SECTION VIEW - MODEL 6024ND-2
HOOD - #3

NOTES
- FIELD PIPE DROPS AS SHOWN
  PIPING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS.
- FIELD INSTALLED DROP: FACTORY WILL PROVIDE QTY 2 60IN LONG PIECES OF CHROME PLATED PIPING SHIPPED LOOSE TO BE FIELD-INSTALLED.
- SHIP LOOSE DROP: FACTORY WILL PROVIDE THE EXACT CHROME PIPE LENGTH NEEDED SHIPPED LOOSE TO BE FIELD-INSTALLED.
- RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, SALAMANDERS, ETC.
- OVERLAPPING COVERAGE SHALL NOT BE USED ON ANY APPLIANCE WITH AN OBSTRUCTION.
- IF APPLICABLE, EXTENDED PRE-PIPED DROPS ARE SHIPPED LOOSE.
- FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD.

- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.

- THIS PRE-ENGINEERED FIRE SYSTEM COMPLIES WITH U.L. 300 REQUIREMENTS.

- OL-F NOZZLE PART NUMBER REPLACES 3070-3/8H-10-SS

JOB #: 7453430.
JOB NAME: ANCHO & AGAVE - LEE'S SUMMIT, MO - HOODS_ND-2.

SYSTEM SIZE: TANK-SP-4 DESIGN FP: 74. MAXIMUM FP: 80.
HOOD # 2 10' 4.00" LONG x 60" WIDE x 24" HIGH.
RISER # 1 SIZE: 10" x 24".
HOOD # 2 METAL BLOW-OFF CAPS INCLUDED.
HOOD # 3 10' 0.00" LONG x 60" WIDE x 24" HIGH.
RISER # 1 SIZE: 14" DIA.
HOOD # 3 METAL BLOW-OFF CAPS INCLUDED.

- HEAVY-DUTY APPLIANCES (RATED 600°F) WILL REQUIRE AN ADDITIONAL DOWNSTREAM FIRESTAT IN THE EVENT THAT THE DUCTWORK CONTAINS ANY HORIZONTAL RUNS OVER 25 FT IN LENGTH.
- MEDIUM TO LIGHT-DUTY APPLIANCES (RATED 450°F) WILL NOT REQUIRE ANY ADDITIONAL DOWNSTREAM DETECTION.

AGENT DISTRIBUTION PIPING LIMITATIONS	
PIPE SECTION	MAX PIPE LENGTH (FT)
MAX SUPPLY LINE TO FIRST OVERLAPPING NOZZLE	42
OVERLAPPING NOZZLE APPLIANCE BRANCH	10
DEDICATED NOZZLE APPLIANCE BRANCH	10

LEGEND - FIRE CABINET TANK SYSTEM

1 4 GALLON TANK.
2 PRIMARY ACTUATOR RELEASE.
3 SECONDARY ACTUATOR RELEASE.
4 PRESSURE SUPERVISION SWITCH.
5 PRIMARY HOSE ASSEMBLY.
6 SECONDARY HOSE ASSEMBLY.
7 REMOTE MANUAL ACTUATION DEVICE.

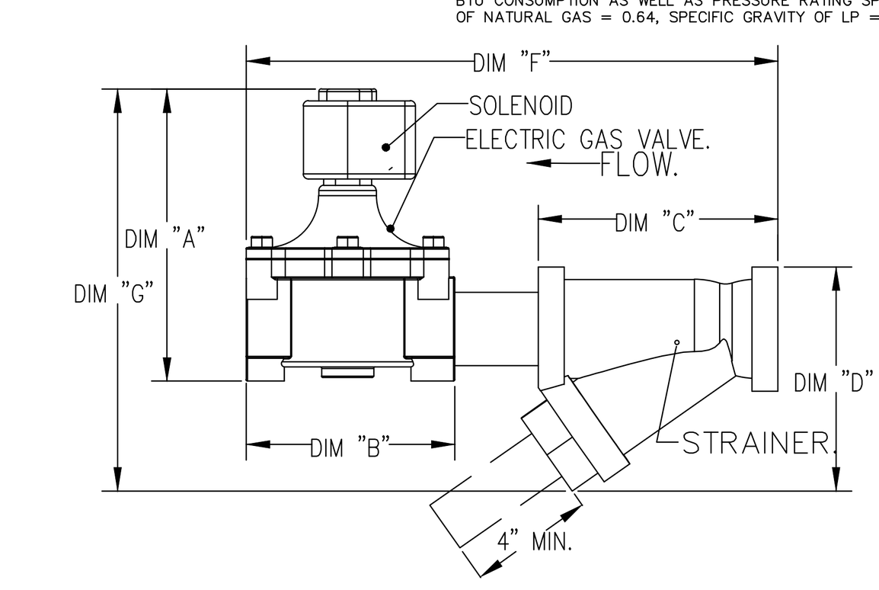
GAS VALVES AND STRAINERS

	GAS VALVE SIZING							GAS VALVE DIMENSIONS						INSTALLATION	PART NUMBERS		
	TYPE	SIZE	VOLTAGE	MIN. INLET PRESSURE	MAX. INLET PRESSURE	FLOW AT 1 IN.W.C. DROP NATURAL GAS	FLOW AT 1 IN.W.C. DROP PROPANE	DIM "A"	DIM "B"	DIM "C"	DIM "D"	DIM "F"	DIM "G"	PIPE ORIENTATION	GAS VALVE PART NUMBER	STRAINER PART NUMBER	GAS VALVE/STRAINER KIT
GAS VALVE FOR FS#1, FS#2	ELECTRICAL	2"	120 VAC	0 PSI (0 IN.W.C.)	5 PSI (138 IN.W.C.)	2,940,500 BTU/HR	1,908,048 BTU/HR	7-5/8"	6-3/8"	7-1/4"	7-13-16"	15-5/8"	13-15/16"	HORIZONTAL/VERTICAL	8214280	4417K68	(SC)EGVA2
GAS VALVE FOR FS#3	ELECTRICAL	1-1/4"	120 VAC	0 PSI (0 IN.W.C.)	5 PSI (138 IN.W.C.)	1,925,000 BTU/HR	1,249,105 BTU/HR	7-5/8"	6-3/8"	5-1/8"	5-15/16"	13-1/2"	12-1/16"	HORIZONTAL/VERTICAL	8214265	4417K66	(SC)EGVA1-1/4

ELECTRIC GAS VALVES ONLY: SOLENOID ORIENTATION
3/4"-2" 120VAC GAS VALVES CAN BE MOUNTED WITH THE SOLENOID IN ANY POSITION AT OR ABOVE HORIZONTAL.
2 1/2"-3" 120VAC GAS VALVES MUST BE MOUNTED WITH THE SOLENOID VERTICAL AND UPRIGHT.
24VDC GAS VALVES MUST BE MOUNTED WITH THE SOLENOID VERTICAL AND UPRIGHT.

ALL GAS VALVES/STRAINERS
PROPER CLEARANCE MUST BE PROVIDED IN ORDER TO SERVICE THE STRAINERS A MINIMUM OF 4" CLEARANCE DISTANCE MUST BE PROVIDED AT THE BASE OF THE STRAINER CUSTOMER MUST VERIFY BTU CONSUMPTION AS WELL AS PRESSURE RATING SPECIFIC GRAVITY OF NATURAL GAS = 0.64, SPECIFIC GRAVITY OF LP = 1.52.

CALCULATIONS
TO CALCULATE GAS FLOW FOR OTHER THAN 1 IN.W.C. PRESSURE DROP
NEW BTU/HR = (BTU/HR AT 1 IN.W.C. PRESSURE DROP) X NEW PRESSURE DROP$^{0.5}$
TO CALCULATE GAS FLOW FOR OTHER THAN 0.64 SPECIFIC GRAVITY
NEW BTU/HR = (BTU/HR AT 0.64) X (0.64 / NEW SPECIFIC GRAVITY)$^{0.5}$.



VERIFY — VERIFY GAS VALVE SIZE REQUIRED

REVISIONS	
DESCRIPTION	DATE:
△	
△	
△	
△	

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Chicago Foodservice Division
1120 Charleston Drive, St. Charles, IL, 60174 PHONE: (630) 377 - 2611 FAX: 9195168738 EMAIL: reg55@captiveaire.com

Ancho & Agave - Lee's Summit, MO - Hoods_ND-2
LEES SUMMIT, MO, 64086

DATE: 4/16/2025
DWG.#: 7453430
DRAWN BY: CT
SCALE: 1/2" = 1'-0"
MASTER DRAWING
SHEET NO. 4

ISSUE FOR PROGRESS

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BY ______ DATE ______

THESE DRAWINGS MAY HAVE BEEN REPRODUCED AT A SIZE DIFFERENTLY THAN ORIGINALLY DRAWN. OWNER AND ARCHITECT ASSUME NO RESPONSIBILITY FOR USE OF INCORRECT SCALE.

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH CONSTRUCTION AND NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR CONFLICTS.

NO	DATE	DESCRIPTION
1	04.25.25	ISSUE FOR PERMIT

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760 Creel Drive
Wood Dale, Illinois 60191
Tel. 630/595-8800
Fax 630/595-8818
www.WCWengineers.com

STATE OF MISSOURI
JOSEPH G. THOMAS
NUMBER E-27428
REGISTERED PROFESSIONAL ENGINEER

CERTIFICATION:

ANCHO & AGAVE
SUMMIT FAIR SHOPPING CENTER
D-BUILDING
860-A NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086

CARR WARNER
ARCHITECTS
ARCHITECTURE
INTERIORS
PLANNING
3711 N. RAVENSWOOD
SUITE #104
CHICAGO, ILLINOIS 60613
p 773-477-9009
f 773-477-6888
www.carrwarner.com

CAPTIVEAIRE DRAWINGS

JOB NO: ANCHO - SUMMIT FAIR
DATE: 04.25.2025
SHEET NO: M4.9

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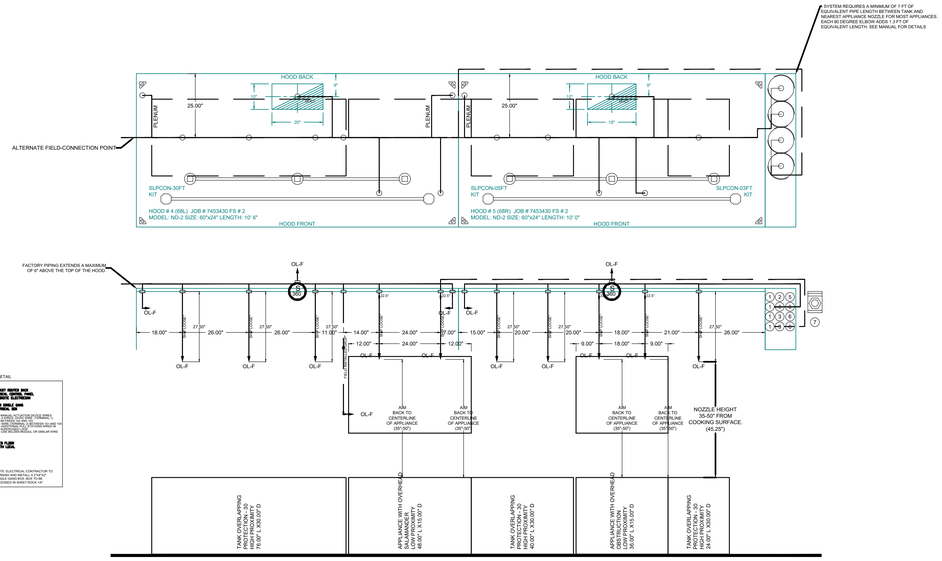

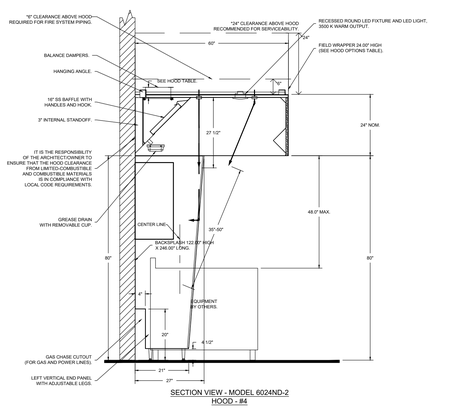

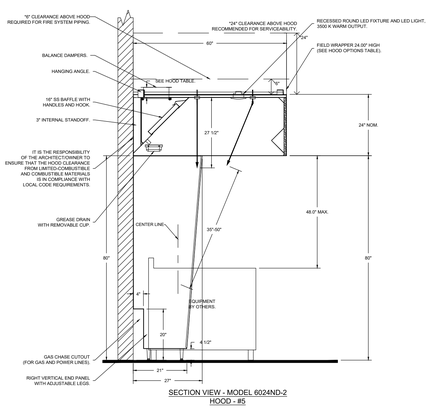

NOTES
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- OL-F NOZZLE PART NUMBER REPLACES 3070-3/8H-10-SS

JOB #: 7453430.
JOB NAME: ANCHO & AGAVE - LEE'S SUMMIT, MO - HOODS_ND-2.

SYSTEM SIZE: TANK-SP-4 DESIGN FP: 70. MAXIMUM FP: 80.
HOOD # 4 10'.6.00" LONG x 60" WIDE x 24" HIGH.
RISER # 1 SIZE: 10" x 20".
HOOD # 4 METAL BLOW-OFF CAPS INCLUDED.
HOOD # 5: 10' 0.00" LONG x 60" WIDE x 24" HIGH.
RISER # 1 SIZE: 10" x 19"
HOOD # 5 METAL BLOW-OFF CAPS INCLUDED.

- HEAVY-DUTY APPLIANCES (RATED 600°F) WILL REQUIRE AN ADDITIONAL DOWNSTREAM FIRESTAT IN THE EVENT THAT THE DUCTWORK CONTAINS ANY HORIZONTAL RUNS OVER 25 FT IN LENGTH.
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ISSUE FOR PROGRESS

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	DESCRIPTION	DATE:
1		
2		
3		
4		
5		

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Chicago Foodservice Division
1120 Charleston Drive, St. Charles, IL. 60174 PHONE: (630) 377 - 2611 FAX: 9195168739 EMAIL: regs56@captiveaire.com
www.captiveaire.com

Ancho & Agave - Lee's Summit, MO - Hoods_ND-2
LEES SUMMIT, MO, 64086

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MASTER DRAWING

SHEET NO. 5

WCW Engineers, Inc.
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Wood Dale, Illinois 60191
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STATE OF MISSOURI
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CAPTIVEAIRE DRAWINGS

JOB NO: ANCHO - SUMMIT FAIR
DATE: 04.25.2025
SHEET NO: M4.10

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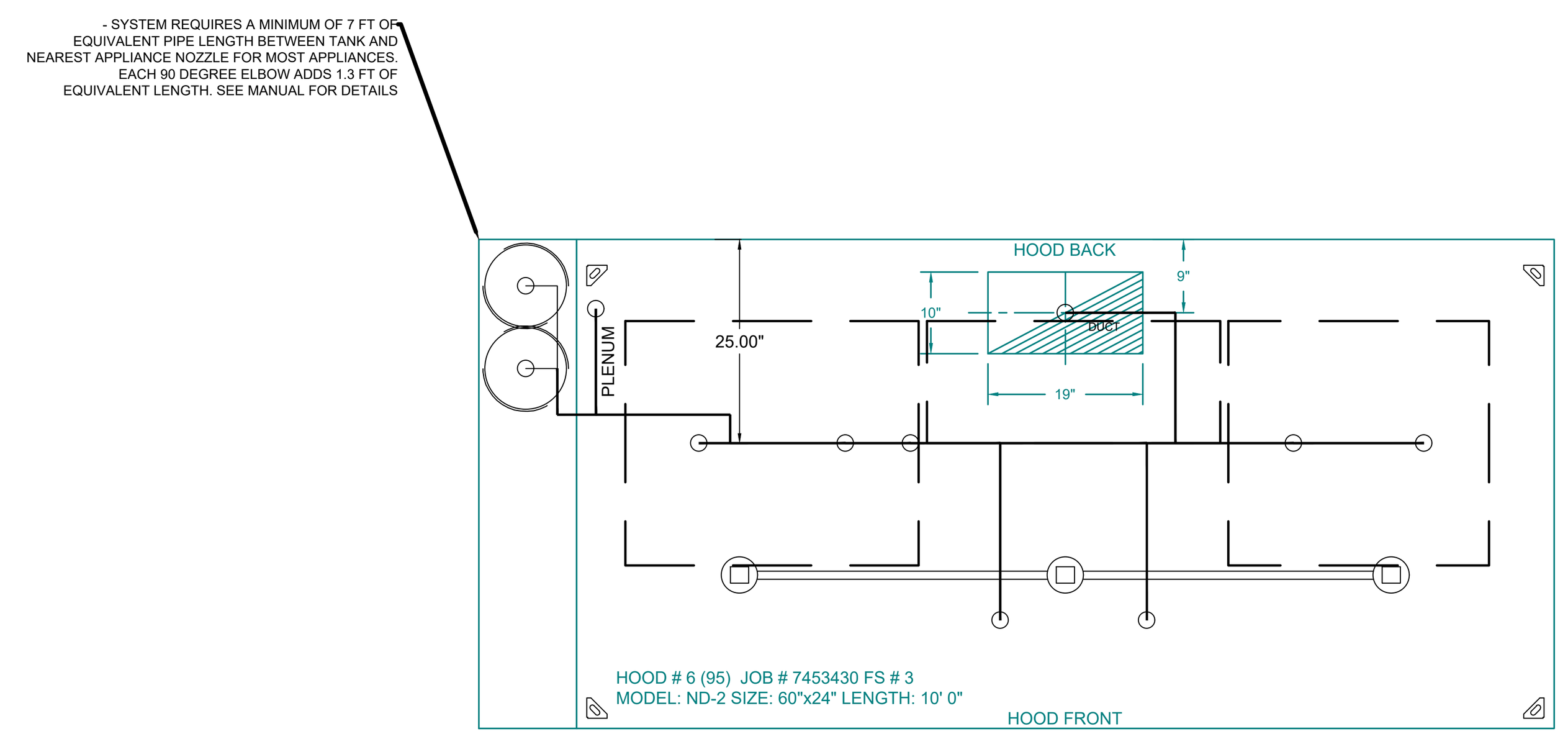

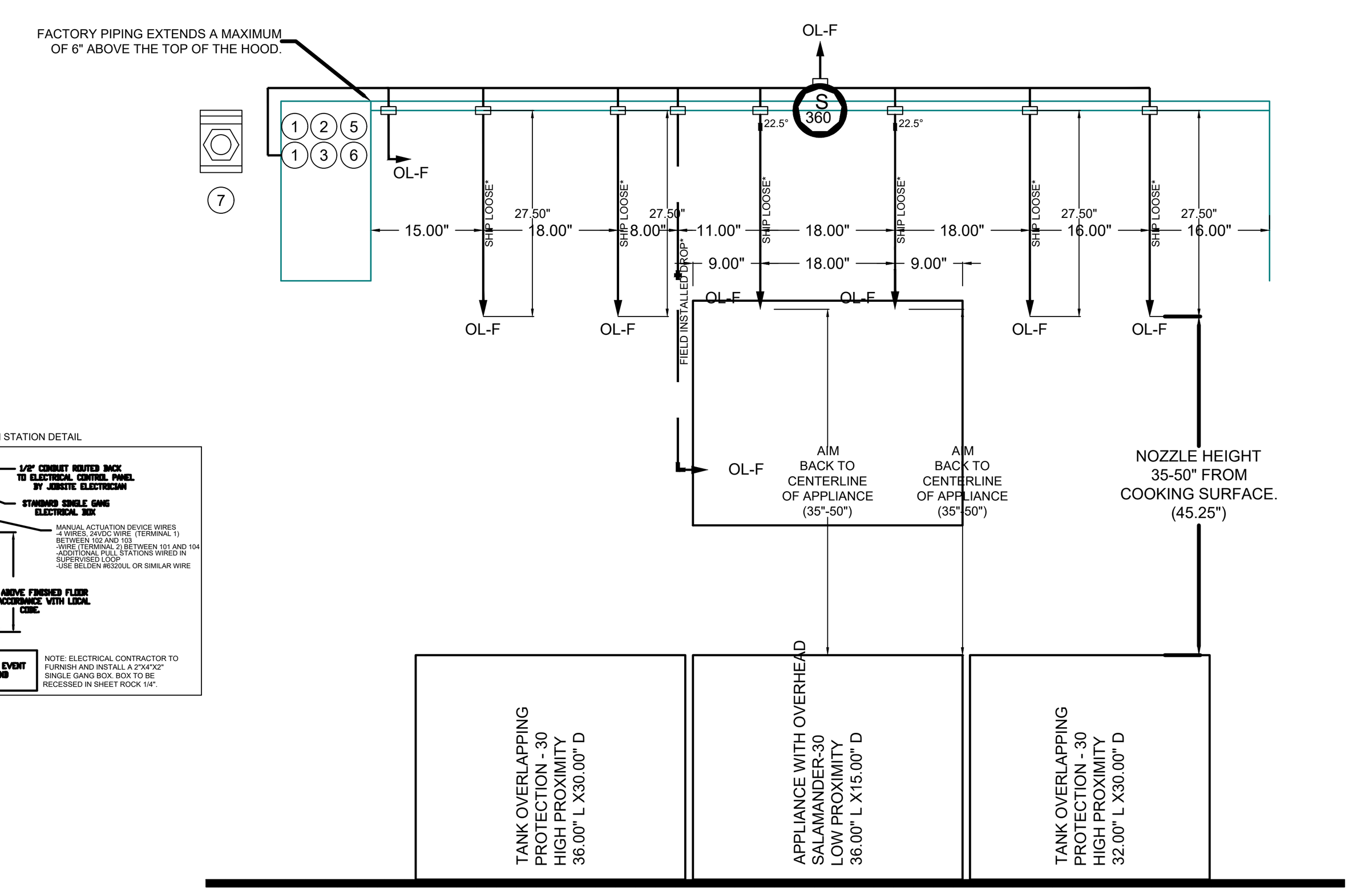

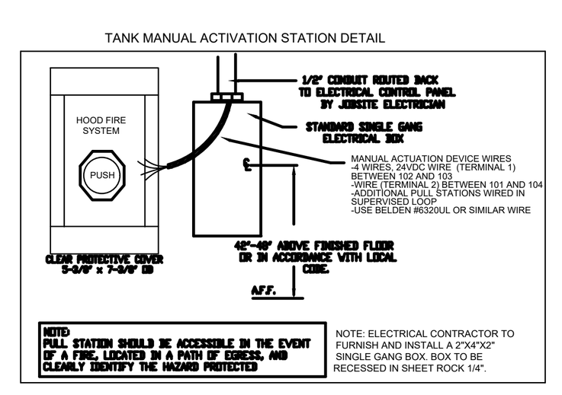

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- OL-F NOZZLE PART NUMBER REPLACES 3070-3/8H-10-SS

JOB #: 7453430.
JOB NAME: ANCHO & AGAVE - LEE'S SUMMIT, MO - HOODS_ND-2.

SYSTEM SIZE: TANK-SP-2 DESIGN FP: 40. MAXIMUM FP: 40.
HOOD # 6 10' 0.00" LONG x 60" WIDE x 24" HIGH.
RISER # 1 SIZE: 10" x 19".
HOOD # 6 METAL BLOW-OFF CAPS INCLUDED.

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- MEDIUM TO LIGHT-DUTY APPLIANCES (RATED 450°F) WILL NOT REQUIRE ANY ADDITIONAL DOWNSTREAM DETECTION.

AGENT DISTRIBUTION PIPING LIMITATIONS	
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OVERLAPPING NOZZLE APPLIANCE BRANCH	10
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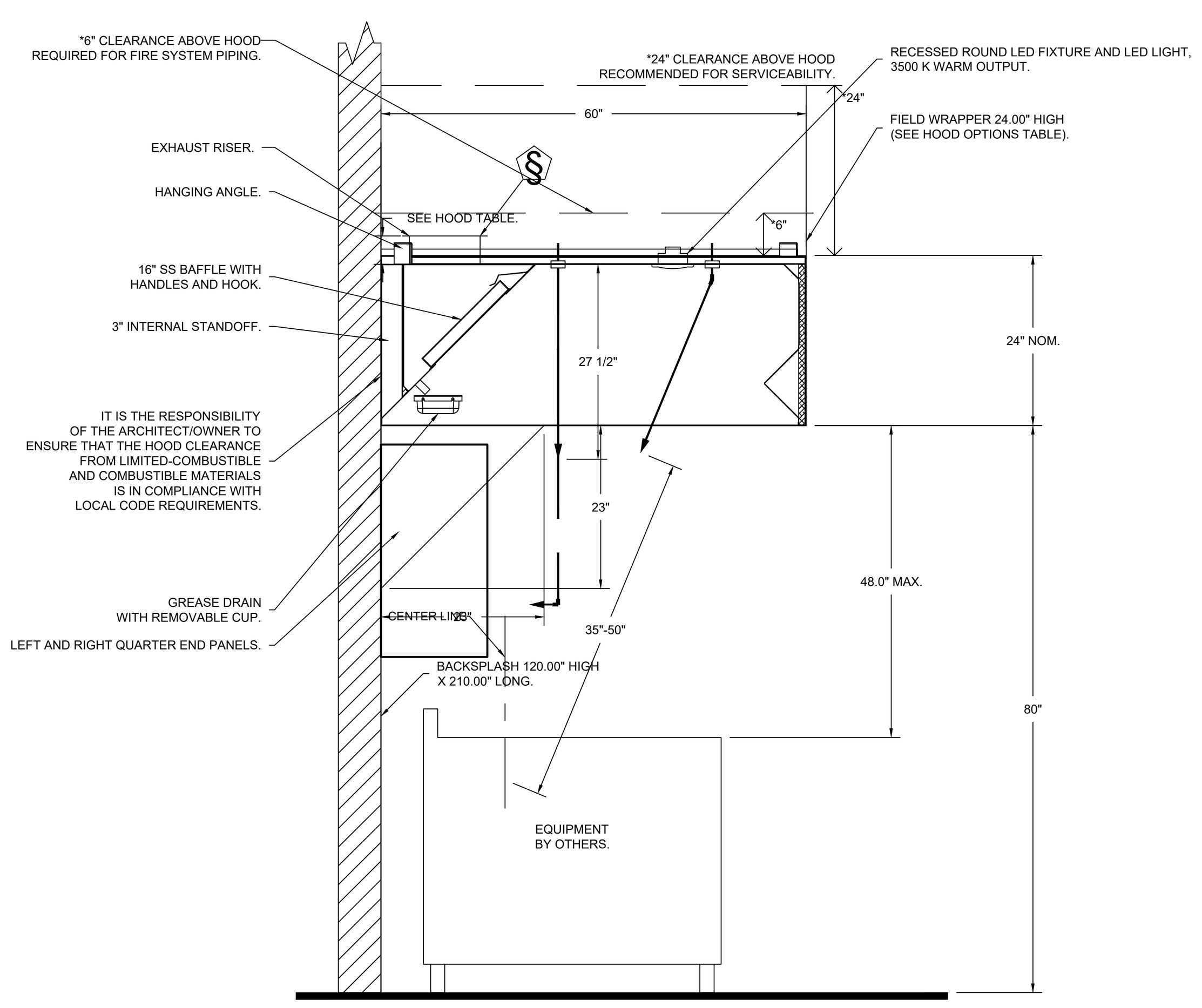
LEGEND - FIRE CABINET TANK SYSTEM

1 4 GALLON TANK.
2 PRIMARY ACTUATOR RELEASE.
3 SECONDARY ACTUATOR RELEASE.
4 PRESSURE SUPERVISION SWITCH.
5 PRIMARY HOSE ASSEMBLY.
6 SECONDARY HOSE ASSEMBLY.
7 REMOTE MANUAL ACTUATION DEVICE.



SECTION VIEW - MODEL 6024ND-2
HOOD - #6

INCLUDES: FIELD INSTALLATION AND HOOKUP DURING NORMAL BUSINESS HOURS BY CERTIFIED INSTALLERS ONLY IN THE LOCATION NOTED ABOVE, TWO SITE VISITS ONLY (ONE VISIT TO SET PULL STATION & SYSTEM HOOKUP AND ONE VISIT FOR ONE TEST; ADDITIONAL VISITS WILL RESULT IN ADDITIONAL CHARGES), ONE MECHANICAL OR ELECTRICAL GAS VALVE PER SYSTEM AT A MAXIMUM SIZE OF 2", PERMIT, AND SYSTEM TEST.
EXCLUDES: UNION LABOR & PREVAILING WAGE (LABOR & WAGES WILL BE ADDED IF APPLICABLE), GAS VALVE INSTALLATION, ELECTRICAL HOOKUP AND CONNECTIONS, HANGING OF FIRE CABINET, SHUNT TRIP, HANDHELD EXTINGUISHER(S), ON-SITE RE-PIPING DUE TO EQUIPMENT LAYOUT CHANGES.

REVISIONS	
DESCRIPTION	DATE

CAPTIVEAIRE
www.captiveaire.com
Chicago Foodservice Division
1120 Charleston Drive, St. Charles, IL 60174 PHONE: (630) 377 - 2611 FAX: 9195168738 EMAIL: reg55@captiveaire.com

Ancho & Agave - Lee's Summit, MO - Hoods_ND-2
LEES SUMMIT, MO, 64086

DATE: 4/16/2025
DWG.#: 7453430
DRAWN BY: CT
SCALE: 1/2" = 1'-0"
MASTER DRAWING
SHEET NO. 6

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www.WCWengineers.com
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STATE OF MISSOURI
JOSEPH G. THOMAS
NUMBER E-27428
REGISTERED PROFESSIONAL ENGINEER

CERTIFICATION:

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SUMMIT FAIR SHOPPING CENTER
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CAPTIVEAIRE DRAWINGS

JOB NO: ANCHO - SUMMIT FAIR
DATE: 04.25.2025
SHEET NO: M4.11

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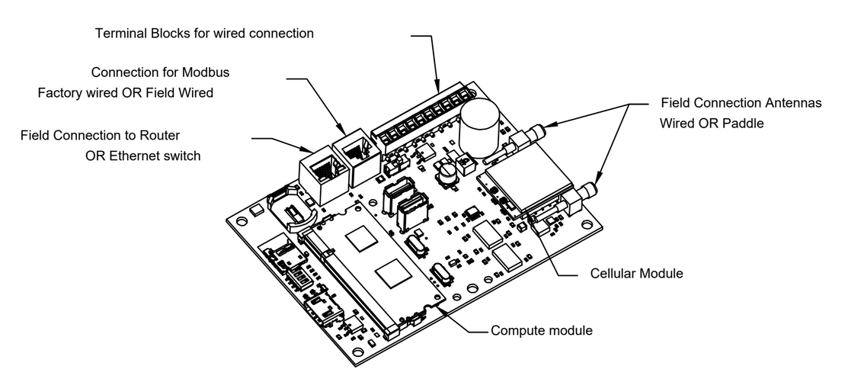
ELECTRICAL PACKAGE - JOB#7453430

NO	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED					
				LOCATION	QUANTITY		FAN TAG	TYPE	ϕ	HP	VOLT	FLA
1	ECP(68.3)	DCV-3111_MA4	WALL UTILITY CABINET RIGHT	UTILITY CABINET RIGHT	1 LIGHT	SMART CONTROLS DCV	KRTU-1	SUPPLY	3	7.500	460	10.1
							EF-2 (64)	EXHAUST	3	3.000	460	4.6
				HOOD # 5	1 FAN		EF-3 (68)	EXHAUST	3	2.000	460	3.8
							EF-4 (95)	EXHAUST	3	0.750	460	1.3
2	SW-1(50)	Switches		FACE MOUNT LEFT SIDE OF HOOD	1 LIGHT							
				HOOD # 1	1 FAN							



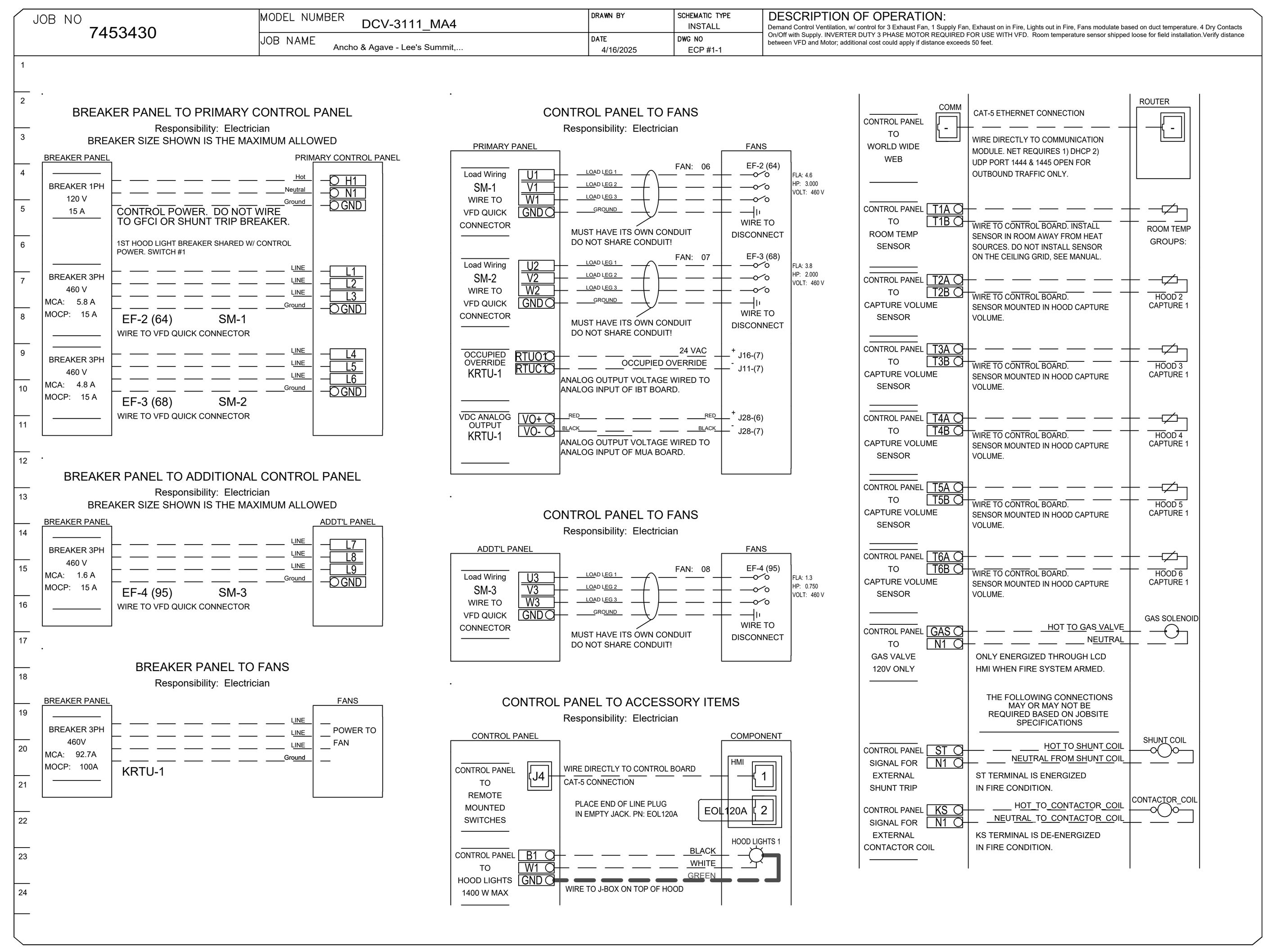
CASlink Monitor and Control

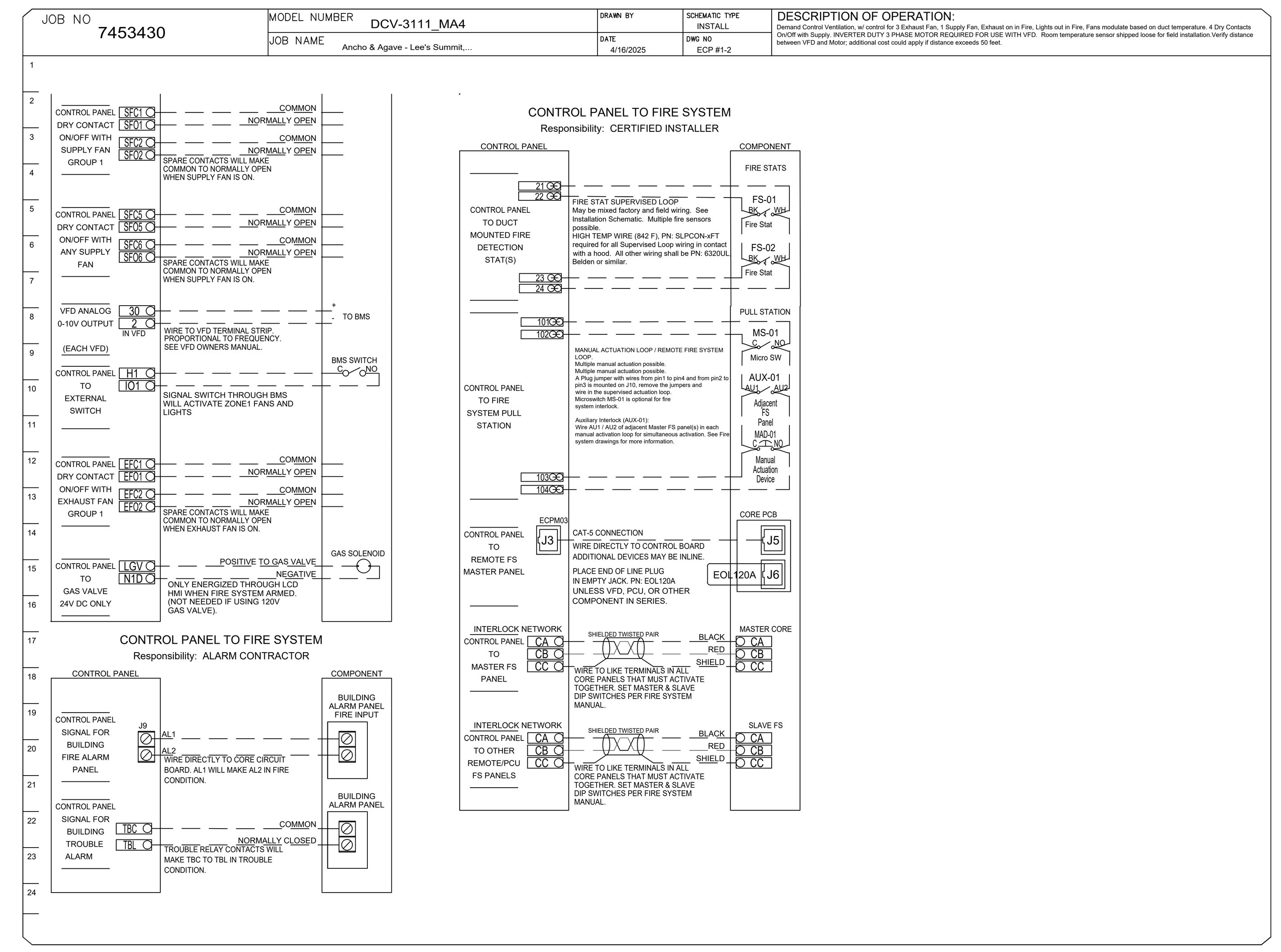
- Hood control panel to support communications to cloud-based Building Management System.
- Hood Control Panel to allow cloud-based Building Management System to monitor real time parameters outlined as MONITOR in the points list.
- Hood Control Panel to allow cloud-based Building Management System to control parameters outlined as CONTROL in the points list.
- Hood Control Panel to allow cloud-based Building Management System to implement SYSTEM ECONOMIZER control strategies for fully integrated Building Management.

MONITORING AND CONTROL POINTS LIST

DCV Packages	Function
Room Temperature	MONITOR
Duct Temperature(s)	MONITOR
MUA Discharge Temperature	MONITOR
Kitchen RTU Discharge Temperature	MONITOR
Fan Speed	MONITOR
Fan Amperage	MONITOR
Fan Power	MONITOR
VFD Faults	MONITOR
Controller Faults	MONITOR
Fan Faults	MONITOR
Fan Status	MONITOR
PCU Faults	MONITOR
PCU Filter Clog Percentages	MONITOR
Fire Condition	MONITOR
CORE Fire System	MONITOR
Building Pressures	MONITOR
Prep Time Button	MONITOR & CONTROL
Fans Button	MONITOR & CONTROL
Lights Button	MONITOR & CONTROL
Wash Button	MONITOR & CONTROL

SC Packages	Function
Room Temperature(s)	MONITOR
Duct Temperature(s)	MONITOR
MUA DIscharge Temperature	MONITOR
Kitchen RTU Discharge Temperature	MONITOR
Controller Faults	MONITOR
Fan Faults	MONITOR
Fan Status	MONITOR
PCU Faults	MONITOR
PCU Filter Clog Percentages	MONITOR
Fire Condition	MONITOR
CORE Fire System	MONITOR
Building Pressures	MONITOR
Fans Button(s)	MONITOR & CONTROL
Lights Button(s)	MONITOR & CONTROL
Wash Button	MONITOR & CONTROL





JOB NO 7453430 | MODEL NUMBER DCV-3111_MA4 | JOB NAME Ancho & Agave - Lee's Summit,... | DRAWN BY | DATE 4/16/2025 | SCHEMATIC TYPE INSTALL | DWG NO ECP #1-3

DESCRIPTION OF OPERATION:
Fire System #1 TANK FS - 4.0/4.0/4.0/4.0 (64.4).

TANK PROTECTION ELECTRICAL DETAIL

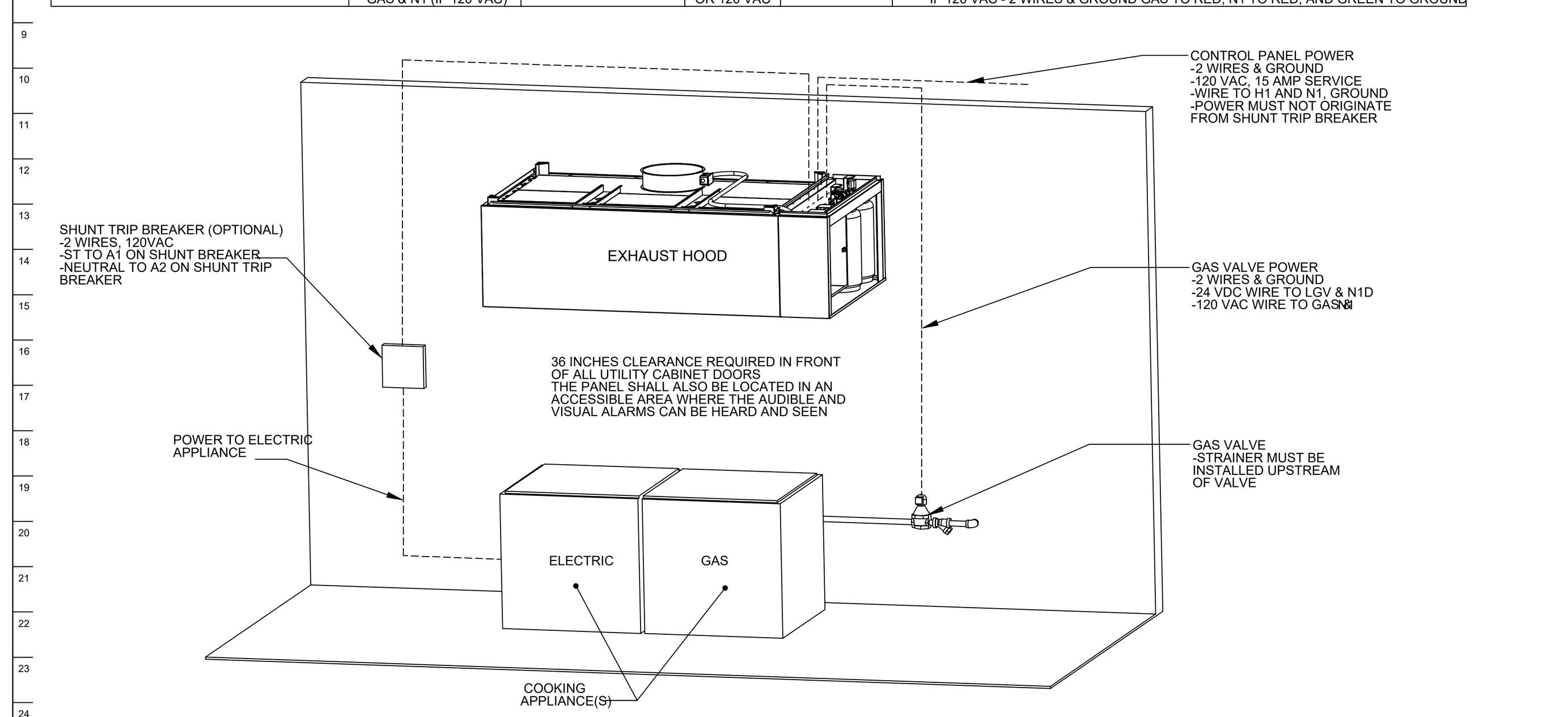
02/10/2021 Rev. 2

FS-1: MASTER

ELECTRICIAN:
1. WIRE MAIN CONTROL PANEL PER INCLUDED SCHEMATIC
2. WIRE ALL FANS PER INCLUDED SCHEMATIC
3. WIRE SHUNT TRIP BREAKER (OPTIONAL)
4. WIRE UDS APPLIANCE KILL SWITCH, IF EQUIPPED (OPTIONAL)
5. WIRE GAS VALVE

ELECTRICAL CONTRACTOR REQUIREMENT

ITEM	CONNECTION IN PANEL	CONNECTION IN DEVICE	VOLTAGE	AMPERAGE	COMMENTS
SHUNT TRIP BREAKER (OPTIONAL)	ST & N1	BREAKER COIL (A1 & A2)	120 VAC	< 4 AMPS	ST TO A1 ON SHUNT BREAKER COIL, AND NEUTRAL TO A2 ON SHUNT TRIP BREAKER COIL
CONTROL PANEL POWER	H1 & N1 + GROUND	CIRCUIT BREAKER	120 VAC	15 AMPS	CONTROL PANEL POWER MUST NOT BE RUN THROUGH SHUNT TRIP BREAKER
UDS APPLIANCE KILL SWITCH (OPTIONAL)	KTS & N1	KTS & N1	120 VAC	< 4 AMPS	KILL SWITCH TERMINALS MUST BE IN SERIES WITH OTHER KILL SWITCHES
REMOTE 120VAC ANSUL AUTOMAN (OPTIONAL)	AU1, AU2	SOLENOID	120 VAC	< 6 AMPS	120V TO AU1, AU2 TO ANSUL ELECTRIC AUTOMAN, ANSUL SOLENOID TO NEUTRAL
GAS VALVE	LGV & N1D (IF 24 VDC) GAS & N1 (IF 120 VAC)	RED/RED/GREEN	24 VDC OR 120 VAC	< 1.0 AMPS	IF 24 VDC - 2 WIRES & GROUND, N1D TO RED, LGV TO RED, AND GREEN TO GROUND IF 120 VAC - 2 WIRES & GROUND GAS TO RED, N1 TO RED, AND GREEN TO GROUND



NOTE: SEE INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR FURTHER INSTRUCTIONS

JOB NO 7453430 | MODEL NUMBER DCV-3111_MA4 | JOB NAME Ancho & Agave - Lee's Summit,... | DRAWN BY | DATE 4/16/2025 | SCHEMATIC TYPE INSTALL | DWG NO ECP #1-4

DESCRIPTION OF OPERATION:
Fire System #1 TANK FS - 4.0/4.0/4.0/4.0 (64.4).

TANK PROTECTION LOW-VOLTAGE DETAIL

10/01/2023 Rev. 3

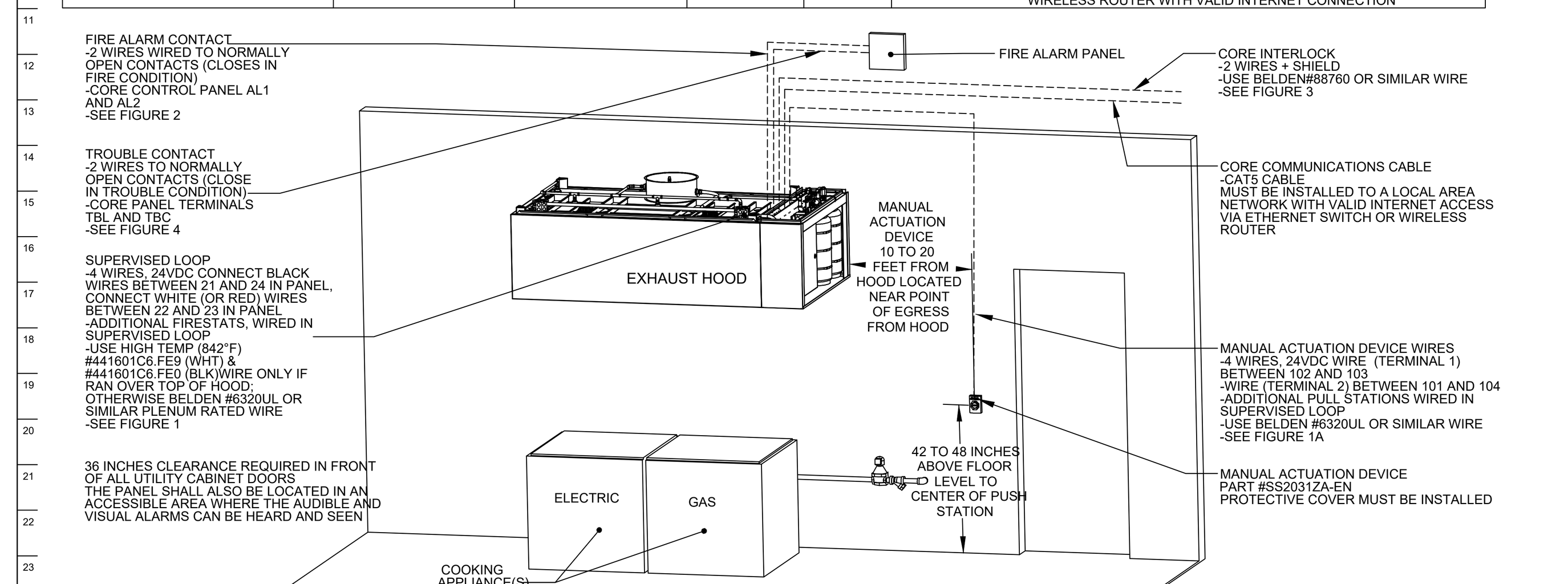
FS-1: MASTER

ALARM CONTRACTOR:
1. WIRE MANUAL ACTUATION DEVICE(S), *REMOTE FIRESTAT(S), CORE INTERLOCK(S), FIRE SENSOR(S) AND FIRE ALARM CONTACTS
2. COMPLETE FINAL HOOKUP OF SYSTEM
3. VERIFY FINAL FIRE SYSTEM TEST

*REMOTE FIRESTAT(S) MAYBE BE REQUIRED DEPENDING ON THE DUCT LAYOUT AND HOOD TEMPERATURE RATING. REFERENCE MANUAL FOR LOCATION AND GUIDELINES.

ALARM CONTRACTOR REQUIREMENT

ITEM	CONNECTION IN PANEL	CONNECTION ON DEVICE	VOLTAGE	AMPERAGE	COMMENTS
MANUAL ACTUATION DEVICE(S)	101 AND 104 102 AND 103	1 & 2	24 VDC	< 1.0 AMPS	WIRE MANUAL ACTUATION DEVICE TERMINAL 1 BETWEEN CORE PANEL TERMINALS 102 AND 103 WIRE MANUAL ACTUATION DEVICE TERMINAL 2 BETWEEN CORE PANEL TERMINALS 101 AND 104 JUMPER 101 TO 104 AND 102 TO 103 IF NO MANUAL ACTUATION DEVICE IS INSTALLED
MANUAL ACTUATION DEVICE COVER	N/A	N/A	N/A	N/A	MANUAL ACTUATION DEVICE COVER MUST BE INSTALLED IF SURFACE MOUNTED, USE COVER EXTENSION STI-6531B
REMOTE FIRESTAT SENSOR(S)	21 AND 24 22 AND 23	BLACK AND WHITE	24 VDC	< 1.0 AMPS	WIRE FIRE SENSOR WHITE WIRES BETWEEN HOOD CORE PANEL TERMINALS 22 AND 23 WIRE FIRE SENSOR BLACK WIRE BETWEEN HOOD CORE PANEL TERMINALS 21 AND 24 HIGH TEMP (842°F) #441601C6.FE9 (WHT) & #441601C6.FE0 (BLK)WIRE OR SIMILAR ONLY IF RAN OF HOOD; OTHERWISE BELDEN #6320UL OR SIMILAR PLENUM RATED WIRE; SEE FIGURE 1
FIRE ALARM CONTACT	AL1, AL2	VARIES	50V MAX (AC/DC)	UP TO 1 AMP	FIRE ALARM RELAY CONTACTS FOR BUILDING FIRE ALARM LOCATED IN THE CORE ELECTRICAL CONTROL PANEL
CORE INTERLOCK(S)	CA, CB, CC	CA, CB, CC	RS-485 COMMUNICATIONS SIGNAL		CORE SYSTEM (1) CA, TO CORE SYSTEM (2) CA. CORE SYSTEM (1) CB, TO CORE SYSTEM (2) CB. CORE SYSTEM (1) CC, TO CORE SYSTEM (2) CC. USE BELDEN# 88760 OR SIMILAR WIRE
TROUBLE CONTACT	TBC, TBL, TOK	VARIES	MAX 120 VAC	UP TO 6 AMPS	WIRE TO TBL & TBC NORMALLY OPEN CONTACT, CLOSES IN TROUBLE CONDITION
CORE COMMUNICATIONS CABLE	RJ-45 Jack	INTERNET CONNECTION	SIGNAL	<1.0 AMPS	TYPICAL CONNECTION CAT5 CABLE TO LOCAL AREA NETWORK VIA ETHERNET SWITCH OR WIRELESS ROUTER WITH VALID INTERNET CONNECTION



ATTENTION: LOW-VOLTAGE DC OR SIGNALING WIRE SHOULD BE ROUTED IN SEPARATE CONDUIT FROM ALL AC SOURCES

NOTE: SEE INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR FURTHER INSTRUCTIONS

REVISIONS

	DESCRIPTION	DATE
△		
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△		
△		

CAPTIVEAIRE
Chicago Foodservice Division
1120 Charleston Drive, St. Charles, IL 60174 PHONE: (630) 377 - 2611 FAX: 9195168738 EMAIL: reg55@captiveaire.com
www.captiveaire.com

Ancho & Agave - Lee's Summit, MO - Hoods_ND-2
LEES SUMMIT, MO, 64086

DATE: 4/16/2025

DWG.#: 7453430

DRAWN BY: CT

SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO. 7

ISSUE FOR PROGRESS

OWNER RELEASE: I HAVE REVIEWED THESE DRAWINGS FOR DESIGN INTENT AND HEREBY CERTIFY THAT THEY CONFORM IN ALL RESPECTS TO MY DESIGN CRITERIA AND ARE APPROVED.

BY ____________ DATE ________

THESE DRAWINGS MAY HAVE BEEN REPRODUCED AT A SIZE DIFFERENTLY THAN ORIGINALLY DRAWN. OWNER AND ARCHITECT ASSUME NO RESPONSIBILITY FOR USE OF INCORRECT SCALE.

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH CONSTRUCTION AND NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR CONFLICTS.

NO	DATE	DESCRIPTION
1	Ø4.25.25	ISSUE FOR PERMIT

WCW Engineers, Inc.
760 Creel Drive
Wood Dale, Illinois 60191
Tel. 630/595-8800
Fax 630/595-8818
www.WCWengineers.com

STATE OF MISSOURI
JOSEPH G. THOMAS
NUMBER E-27428
REGISTERED PROFESSIONAL ENGINEER

CERTIFICATION:

ANCHO & AGAVE
SUMMIT FAIR SHOPPING CENTER
D-BUILDING
860-A NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086

CARR WARNER ARCHITECTS
ARCHITECTURE
INTERIORS
PLANNING
3711 N. RAVENSWOOD
SUITE #104
CHICAGO, ILLINOIS 60613
p 773•477•9009
f 773•477•6888
www.carrwarner.com

CAPTIVEAIRE DRAWINGS

JOB NO: ANCHO - SUMMIT FAIR

SHEET NO: M4.12

DATE: 04.25.2025

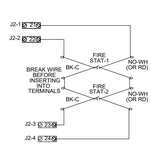
H:\25045\DWG\25045_M4.1 - M4.17.dwg, M4.12, 4/25/2025 5:05:12 PM, 1:1

JOB NO	MODEL NUMBER	DRAWN BY	SCHEMATIC TYPE INSTALL	DESCRIPTION OF OPERATION:
7453430	DCV-3111_MA4		Fire System 60 TANK FS - 4-24-24-24-24-2	
	JOB NAME Ancho & Agave - Lee's Summit,...	DATE 4/16/2025	DWG NO ECP #1-5	

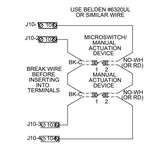
TANK PROTECTION LOW-VOLTAGE FIGURES

10/01/2023 Rev. 17

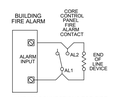
FS-1: MASTER



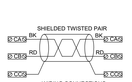
WIRING CONNECTIONS FOR FIRESTAT LOOP
FIGURE 1



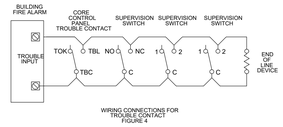
WIRING CONNECTIONS FOR MANUAL ACTUATION LOOP
FIGURE 1A



WIRING CONNECTIONS FOR FIRE ALARM CONTACT
FIGURE 2



WIRING CONNECTIONS FOR CORE INTERLOCK
FIGURE 3



WIRING CONNECTIONS FOR TROUBLE CONTACT
FIGURE 4

ATTENTION: LOW-VOLTAGE DC OR SIGNALING WIRE SHOULD BE ROUTED IN SEPARATE CONDUIT FROM ALL AC SOURCES

NOTE: SEE INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR FURTHER INSTRUCTIONS

JOB NO	MODEL NUMBER	DRAWN BY	SCHEMATIC TYPE INSTALL	DESCRIPTION OF OPERATION:
7453430	DCV-3111_MA4			
	JOB NAME Ancho & Agave - Lee's Summit,...	DATE 4/16/2025	DWG NO ECP #1-6	

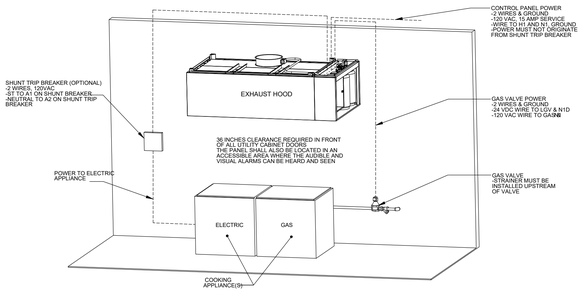
TANK PROTECTION ELECTRICAL DETAIL

02/10/2021 Rev. 2

FS-2: SLAVE

ELECTRICIAN:
1. WIRE MAIN CONTROL PANEL PER INCLUDED SCHEMATIC
2. WIRE MANUAL ACTUATION DEVICE PER SCHEMATIC
3. WIRE SHUNT TRIP BREAKER (OPTIONAL)
4. WIRE UDS APPLIANCE KILL SWITCH, IF EQUIPPED (OPTIONAL)
5. WIRE GAS VALVE

ELECTRICAL CONTRACTOR REQUIREMENT					
ITEM	CONNECTION IN PANEL	CONNECTION IN DEVICE	VOLTAGE	AMPERAGE	COMMENTS
SHUNT TRIP BREAKER (OPTIONAL)	ST & N1	BREAKER COIL (A1 & A2)	120 VAC	< 4 AMPS	ST TO A1 ON SHUNT BREAKER COIL, AND NEUTRAL TO A2 ON SHUNT TRIP BREAKER COIL
CONTROL PANEL POWER	H1 & N1 + GROUND	CIRCUIT BREAKER	120 VAC	15 AMPS	CONTROL PANEL POWER MUST NOT BE RUN THROUGH SHUNT TRIP BREAKER
UDS APPLIANCE KILL SWITCH (OPTIONAL)	KTS & N1	KTS & N1	120 VAC	< 4 AMPS	KILL SWITCH TERMINALS MUST BE IN SERIES WITH OTHER KILL SWITCHES
REMOTE 120VAC ANSUL AUTOMAN (OPTIONAL)	AU1, AU2	SOLENOID	120 VAC	< 6 AMPS	120V TO AU1, AU2 TO ANSUL ELECTRIC AUTOMAN; ANSUL SOLENOID TO NEUTRAL
GAS VALVE	LGV & N1O (IF 24 VDC) GAS & N1 (IF 120 VAC)	RED/RED/GREEN	24 VDC OR 120 VAC	< 1.0 AMPS	IF 24 VDC - 2 WIRES & GROUND, N1O TO RED, 12V TO RED, AND GREEN TO GROUND IF 120 VAC - 2 WIRES & GROUND GAS TO RED, N1 TO RED, AND GREEN TO GROUND



NOTE: SEE INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR FURTHER INSTRUCTIONS

JOB NO	MODEL NUMBER	DRAWN BY	SCHEMATIC TYPE INSTALL	DESCRIPTION OF OPERATION:
7453430	DCV-3111_MA4		Fire System 60 TANK FS - 4-24-24-24-24-2	
	JOB NAME Ancho & Agave - Lee's Summit,...	DATE 4/16/2025	DWG NO ECP #1-7	

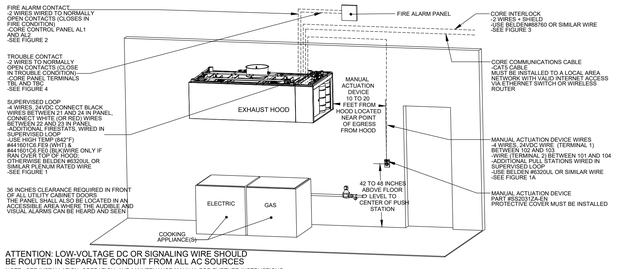
TANK PROTECTION LOW-VOLTAGE DETAIL

10/01/2023 Rev. 3

FS-2: SLAVE

ALARM CONTRACTOR:
1. WIRE MANUAL ACTUATION DEVICE(S), *REMOTE FIRESTAT(S), CORE INTERLOCK(S), FIRE SENSOR(S) AND FIRE ALARM CONTACTS
2. COMPLETE FINAL HOOKUP OF SYSTEM
3. VERIFY FINAL FIRE SYSTEM TEST
*REMOTE FIRESTAT(S) MAYBE BE REQUIRED DEPENDING ON THE DUCT LAYOUT AND HOOD TEMPERATURE RATING. REFERENCE MANUAL FOR LOCATION AND GUIDELINES.

ALARM CONTRACTOR REQUIREMENT					
ITEM	CONNECTION IN PANEL	CONNECTION ON DEVICE	VOLTAGE	AMPERAGE	COMMENTS
MANUAL ACTUATION DEVICE(S)	101 AND 104 102 AND 103	1 & 2	24 VDC	< 1.0 AMPS	WIRE MANUAL ACTUATION DEVICE TERMINAL 1 BETWEEN CORE PANEL TERMINALS 102 AND 103 WIRE MANUAL ACTUATION DEVICE TERMINAL 2 BETWEEN CORE PANEL TERMINALS 101 AND 104 JUMPER 101 TO 104 AND 102 TO 103 IF NO MANUAL ACTUATION DEVICE IS INSTALLED
MANUAL ACTUATION DEVICE COVER	N/A	N/A	N/A	N/A	MANUAL ACTUATION DEVICE COVER MUST BE INSTALLED PART #SS2031ZA-EN PROTECTIVE COVER MUST BE INSTALLED
REMOTE FIRESTAT SENSOR(S)	21 AND 24 22 AND 23	BLACK AND WHITE	24 VDC	< 1.0 AMPS	WIRE FIRE SENSOR BLACK WIRE BETWEEN HOOD CORE PANEL TERMINALS 21 AND 24 WIRE FIRE SENSOR WHITE WIRE BETWEEN HOOD CORE PANEL TERMINALS 22 AND 23 HIGH TEMP (#427°) #4416010 FE9 (WHT) & #4416010 FE0 (BLK)WIRE OR SIMILAR ONLY IF RAN OVER THE HOOD. OTHERWISE BELDEN #6320UL OR SIMILAR PLENUM RATED WIRE. SEE FIGURE 1
FIRE ALARM CONTACT	AL1, AL2	VARIES	50V MAX (AC/DC)	UP TO 1 AMP	FIRE ALARM RELAY CONTACTS TO BE LOCATED IN THE CORE ELECTRICAL CONTROL PANEL
CORE INTERLOCK(S)	CA, CB, CC	CA, CB, CC	RS-485 COMMUNICATIONS SIGNAL		CORE SYSTEM (1) CA, TO CORE SYSTEM (2) CA. CORE SYSTEM (1) CB, TO CORE SYSTEM (2) CB. CORE SYSTEM (1) CC, TO CORE SYSTEM (2) CC. USE BELDEN# 88760 OR SIMILAR WIRE
TROUBLE CONTACT	TBC, TBL, TOK	VARIES	MAX 120 VAC	UP TO 6 AMPS	WIRE TO TBL & TBC NORMALLY OPEN CONTACT, CLOSES IN TROUBLE CONDITION
CORE COMMUNICATIONS CABLE	RJ-45 Jack	INTERNET CONNECTION	SIGNAL	<1.0 AMPS	TYPICAL CONNECTION CAT6 CABLE TO LOCAL AREA NETWORK VIA ETHERNET SWITCH OR WIRELESS ROUTER WITH VALID INTERNET CONNECTION



ATTENTION: LOW-VOLTAGE DC OR SIGNALING WIRE SHOULD BE ROUTED IN SEPARATE CONDUIT FROM ALL AC SOURCES

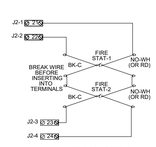
NOTE: SEE INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR FURTHER INSTRUCTIONS

JOB NO	MODEL NUMBER	DRAWN BY	SCHEMATIC TYPE INSTALL	DESCRIPTION OF OPERATION:
7453430	DCV-3111_MA4		Fire System 60 TANK FS - 4-24-24-24-24-2	
	JOB NAME Ancho & Agave - Lee's Summit,...	DATE 4/16/2025	DWG NO ECP #1-8	

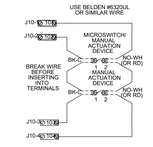
TANK PROTECTION LOW-VOLTAGE FIGURES

10/01/2023 Rev. 17

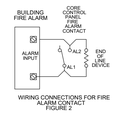
FS-2: SLAVE



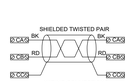
WIRING CONNECTIONS FOR FIRESTAT LOOP
FIGURE 1



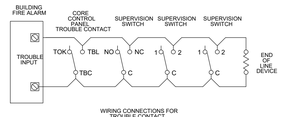
WIRING CONNECTIONS FOR MANUAL ACTUATION LOOP
FIGURE 1A



WIRING CONNECTIONS FOR FIRE ALARM CONTACT
FIGURE 2



WIRING CONNECTIONS FOR CORE INTERLOCK
FIGURE 3



WIRING CONNECTIONS FOR TROUBLE CONTACT
FIGURE 4

ATTENTION: LOW-VOLTAGE DC OR SIGNALING WIRE SHOULD BE ROUTED IN SEPARATE CONDUIT FROM ALL AC SOURCES

NOTE: SEE INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR FURTHER INSTRUCTIONS

ISSUE FOR PROGRESS

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH CONSTRUCTION AND NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR CONFLICTS.

REVISIONS

NO	DATE	DESCRIPTION
1	04.25.25	ISSUE FOR PERMIT

CAPTIVEAIRE
Chicago Foodservice Division
1120 Charleston Drive, St. Charles, IL. 60174 PHONE: (630) 377 - 2611 FAX: 9195168738 EMAIL: regd56@captiveaire.com
www.captiveaire.com

Ancho & Agave - Lee's Summit, MO - Hoods_ND-2

LEES SUMMIT, MO, 64086

DATE:	4/16/2025
DWG.#:	7453430
DRAWN BY:	CT
SCALE:	3/4" = 1'-0"
	MASTER DRAWING
SHEET NO.	8

WCW Engineers, Inc.
760 Creel Drive
Wood Dale, Illinois 60191
Tel. 630/595-8800
Fax 630/595-8818
www.WCWengineers.com

CERTIFICATION:

ANCHO & AGAVE
SUMMIT FAIR SHOPPING CENTER
D-BUILDING
860-A NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086

CARR WARNER
ARCHITECTS
ARCHITECTURE
INTERIORS
PLANNING
3711 N. RAVENSWOOD
SUITE #104
CHICAGO, ILLINOIS 60613
p 773-477-9009
f 773-477-6888
www.carrwarner.com

CAPTIVEAIRE DRAWINGS

JOB NO:	SHEET NO:
ANCHO - SUMMIT FAIR	M4.13
DATE: 04.25.2025	

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JOB NO 7453430 | MODEL NUMBER DCV-3111_MA4 | JOB NAME Ancho & Agave - Lee's Summit,... | DRAWN BY | DATE 4/16/2025 | SCHEMATIC TYPE INSTALL | DWG NO ECP #1-9

DESCRIPTION OF OPERATION: Fire System #3 TANK FS - 4.0/4.0 (95.4).

TANK PROTECTION ELECTRICAL DETAIL

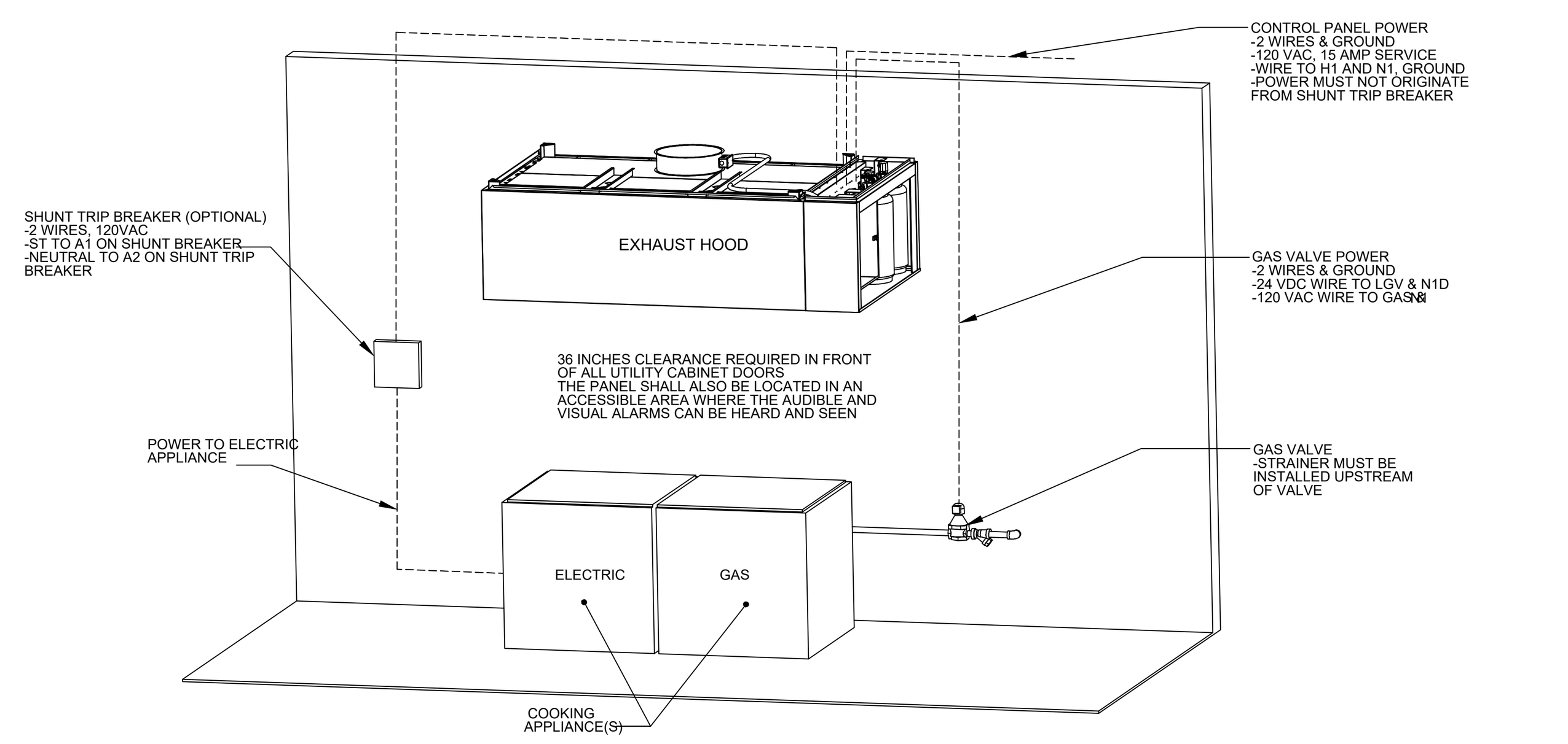
02/10/2021 Rev. 2

FS-3: SLAVE

ELECTRICIAN:
1. WIRE MAIN CONTROL PANEL PER INCLUDED SCHEMATIC
2. WIRE ALL FANS PER INCLUDED SCHEMATIC
3. WIRE SHUNT TRIP BREAKER (OPTIONAL)
4. WIRE UDS APPLIANCE KILL SWITCH, IF EQUIPPED (OPTIONAL)
5. WIRE GAS VALVE

ELECTRICAL CONTRACTOR REQUIREMENT

ITEM	CONNECTION IN PANEL	CONNECTION IN DEVICE	VOLTAGE	AMPERAGE	COMMENTS
SHUNT TRIP BREAKER (OPTIONAL)	ST & N1	BREAKER COIL (A1 & A2)	120 VAC	< 4 AMPS	ST TO A1 ON SHUNT BREAKER COIL, AND NEUTRAL TO A2 ON SHUNT TRIP BREAKER COIL
CONTROL PANEL POWER	H1 & N1 + GROUND	CIRCUIT BREAKER	120 VAC	15 AMPS	CONTROL PANEL POWER MUST NOT BE RUN THROUGH SHUNT TRIP BREAKER
UDS APPLIANCE KILL SWITCH (OPTIONAL)	KTS & N1	KTS & N1	120 VAC	< 4 AMPS	KILL SWITCH TERMINALS MUST BE IN SERIES WITH OTHER KILL SWITCHES
REMOTE 120VAC ANSUL AUTOMAN (OPTIONAL)	AU1, AU2	SOLENOID	120 VAC	< 6 AMPS	120V TO AU1, AU2 TO ANSUL ELECTRIC AUTOMAN, ANSUL SOLENOID TO NEUTRAL
GAS VALVE	LGV & N1D (IF 24 VDC) GAS & N1 (IF 120 VAC)	RED/RED/GREEN	24 VDC OR 120 VAC	< 1.0 AMPS	IF 24 VDC - 2 WIRES & GROUND, N1D TO RED, LGV TO RED, AND GREEN TO GROUND IF 120 VAC - 2 WIRES & GROUND GAS TO RED, N1 TO RED, AND GREEN TO GROUND



NOTE: SEE INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR FURTHER INSTRUCTIONS

JOB NO 7453430 | MODEL NUMBER DCV-3111_MA4 | JOB NAME Ancho & Agave - Lee's Summit,... | DRAWN BY | DATE 4/16/2025 | SCHEMATIC TYPE INSTALL | DWG NO ECP #1-10

DESCRIPTION OF OPERATION: Fire System #3 TANK FS - 4.0/4.0 (95.4).

TANK PROTECTION LOW-VOLTAGE DETAIL

10/01/2023 Rev. 3

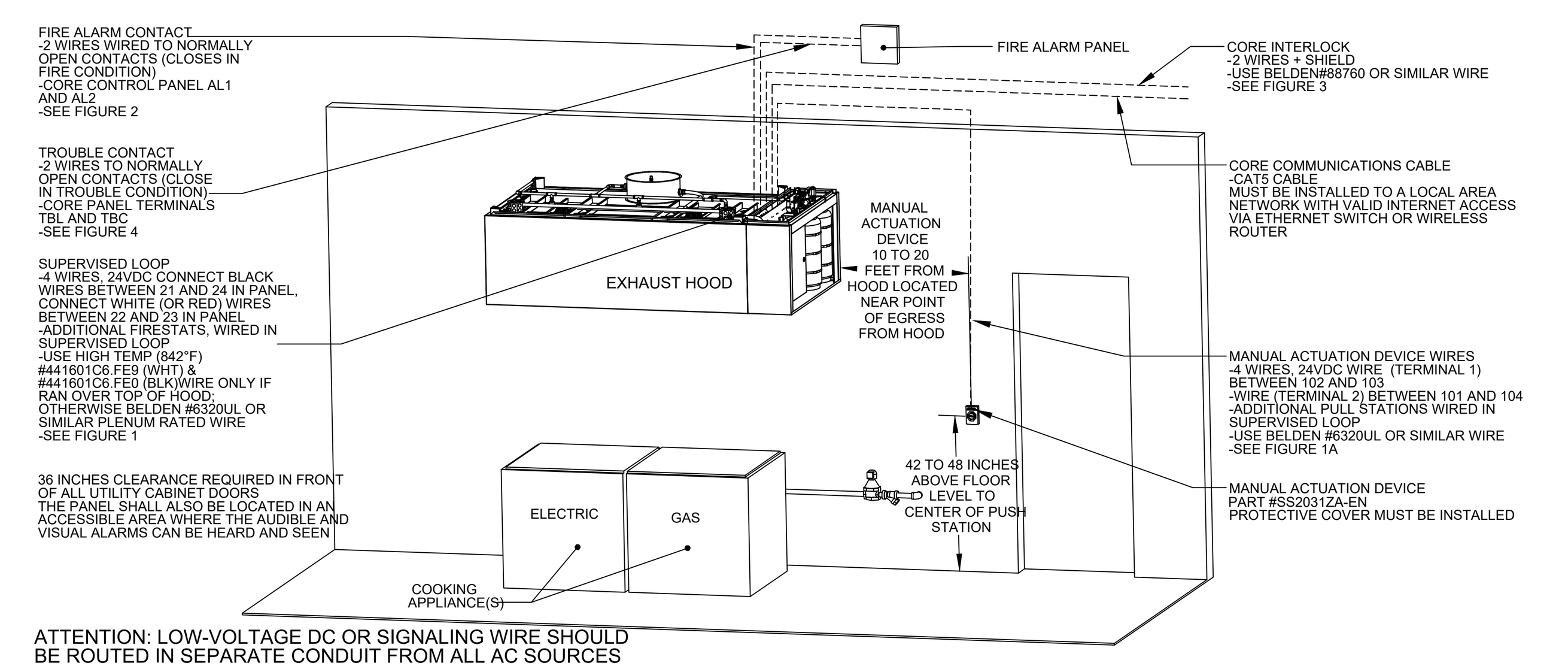
FS-3: SLAVE

ALARM CONTRACTOR:
1. WIRE MANUAL ACTUATION DEVICE(S), *REMOTE FIRESTAT(S), CORE INTERLOCK(S), FIRE SENSOR(S) AND FIRE ALARM CONTACTS
2. COMPLETE FINAL HOOKUP OF SYSTEM
3. VERIFY FINAL FIRE SYSTEM TEST

*REMOTE FIRESTAT(S) MAYBE BE REQUIRED DEPENDING ON THE DUCT LAYOUT AND HOOD TEMPERATURE RATING. REFERENCE MANUAL FOR LOCATION AND GUIDELINES.

ALARM CONTRACTOR REQUIREMENT

ITEM	CONNECTION IN PANEL	CONNECTION ON DEVICE	VOLTAGE	AMPERAGE	COMMENTS
MANUAL ACTUATION DEVICE(S)	101 AND 104 102 AND 103	1 & 2	24 VDC	< 1.0 AMPS	WIRE MANUAL ACTUATION DEVICE TERMINAL 1 BETWEEN CORE PANEL TERMINALS 102 AND 103 WIRE MANUAL ACTUATION DEVICE TERMINAL 2 BETWEEN CORE PANEL TERMINALS 101 AND 104 JUMPER 101 TO 104 AND 102 TO 103 IF NO MANUAL ACTUATION DEVICE IS INSTALLED
MANUAL ACTUATION DEVICE COVER	N/A	N/A	N/A	N/A	MANUAL ACTUATION DEVICE COVER MUST BE INSTALLED IF SURFACE MOUNTED, USE COVER EXTENSION STI-6531B
REMOTE FIRESTAT SENSOR(S)	21 AND 24 22 AND 23	BLACK AND WHITE	24 VDC	< 1.0 AMPS	WIRE FIRE SENSOR WHITE WIRES BETWEEN HOOD CORE PANEL TERMINALS 22 AND 23 WIRE FIRE SENSOR BLACK WIRE BETWEEN HOOD CORE PANEL TERMINALS 21 AND 24 HIGH TEMP (842°F) #441601C6.FE9 (WHT) & #441601C6.FE0 (BLK)WIRE OR SIMILAR ONLY IF RAN OF HOOD; OTHERWISE BELDEN #6320UL OR SIMILAR PLENUM RATED WIRE; SEE FIGURE 1
FIRE ALARM CONTACT	AL1, AL2	VARIES	50V MAX (AC/DC)	UP TO 1 AMP	FIRE ALARM RELAY CONTACTS FOR BUILDING FIRE ALARM LOCATED IN THE CORE ELECTRICAL CONTROL PANEL
CORE INTERLOCK(S)	CA, CB, CC	CA, CB, CC	RS-485 COMMUNICATIONS SIGNAL		CORE SYSTEM (1) CA, TO CORE SYSTEM (2) CA. CORE SYSTEM (1) CB, TO CORE SYSTEM (2) CB. CORE SYSTEM (1) CC, TO CORE SYSTEM (2) CC. USE BELDEN# 88760 OR SIMILAR WIRE
TROUBLE CONTACT	TBC, TBL, TOK	VARIES	MAX 120 VAC	UP TO 6 AMPS	WIRE TO TBL & TBC NORMALLY OPEN CONTACT, CLOSES IN TROUBLE CONDITION
CORE COMMUNICATIONS CABLE	RJ-45 Jack	INTERNET CONNECTION	SIGNAL	<1.0 AMPS	TYPICAL CONNECTION CAT5 CABLE TO LOCAL AREA NETWORK VIA ETHERNET SWITCH OR WIRELESS ROUTER WITH VALID INTERNET CONNECTION



ATTENTION: LOW-VOLTAGE DC OR SIGNALING WIRE SHOULD BE ROUTED IN SEPARATE CONDUIT FROM ALL AC SOURCES

NOTE: SEE INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR FURTHER INSTRUCTIONS

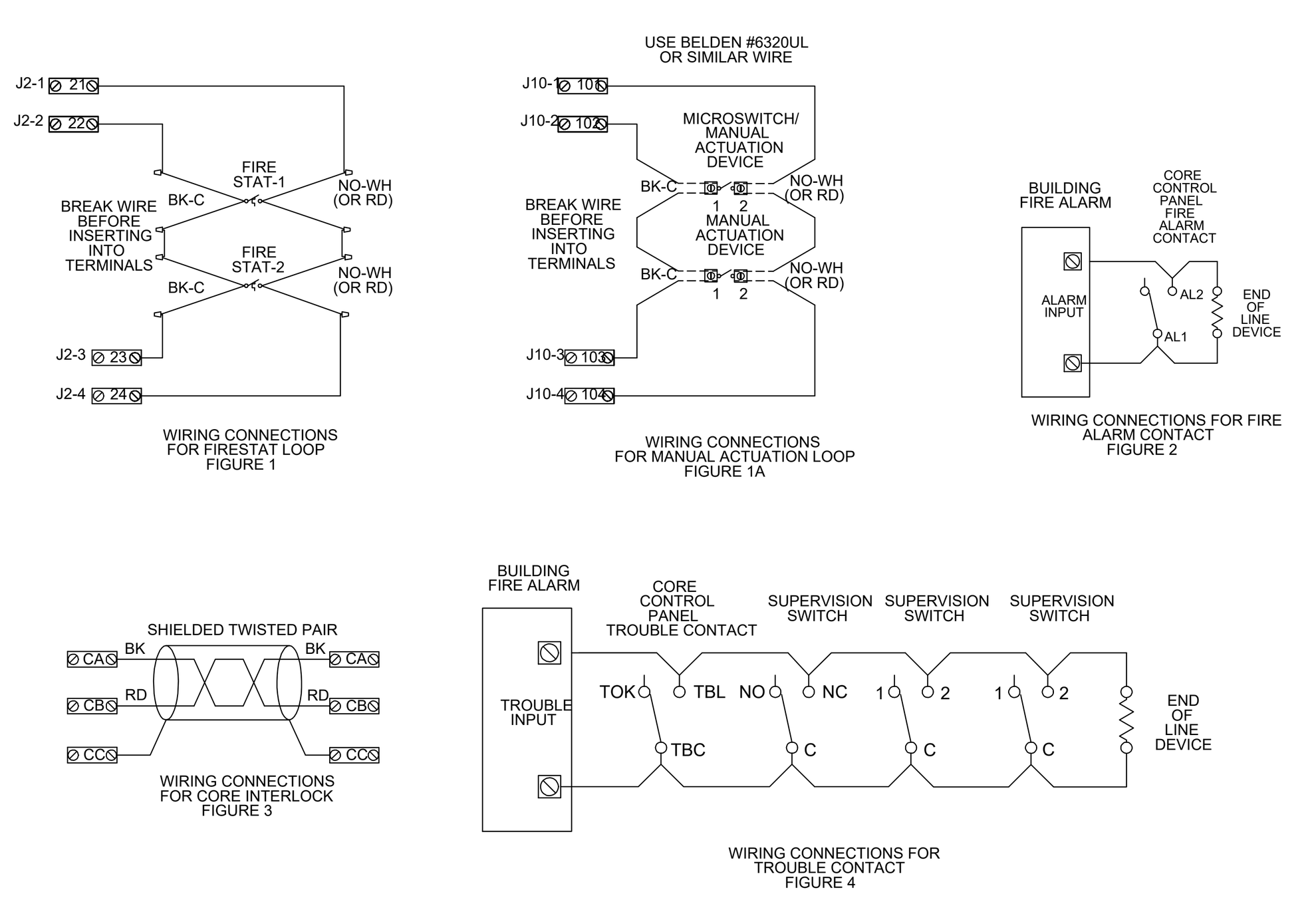
JOB NO 7453430 | MODEL NUMBER DCV-3111_MA4 | JOB NAME Ancho & Agave - Lee's Summit,...

DESCRIPTION OF OPERATION:

TANK PROTECTION LOW-VOLTAGE FIGURES

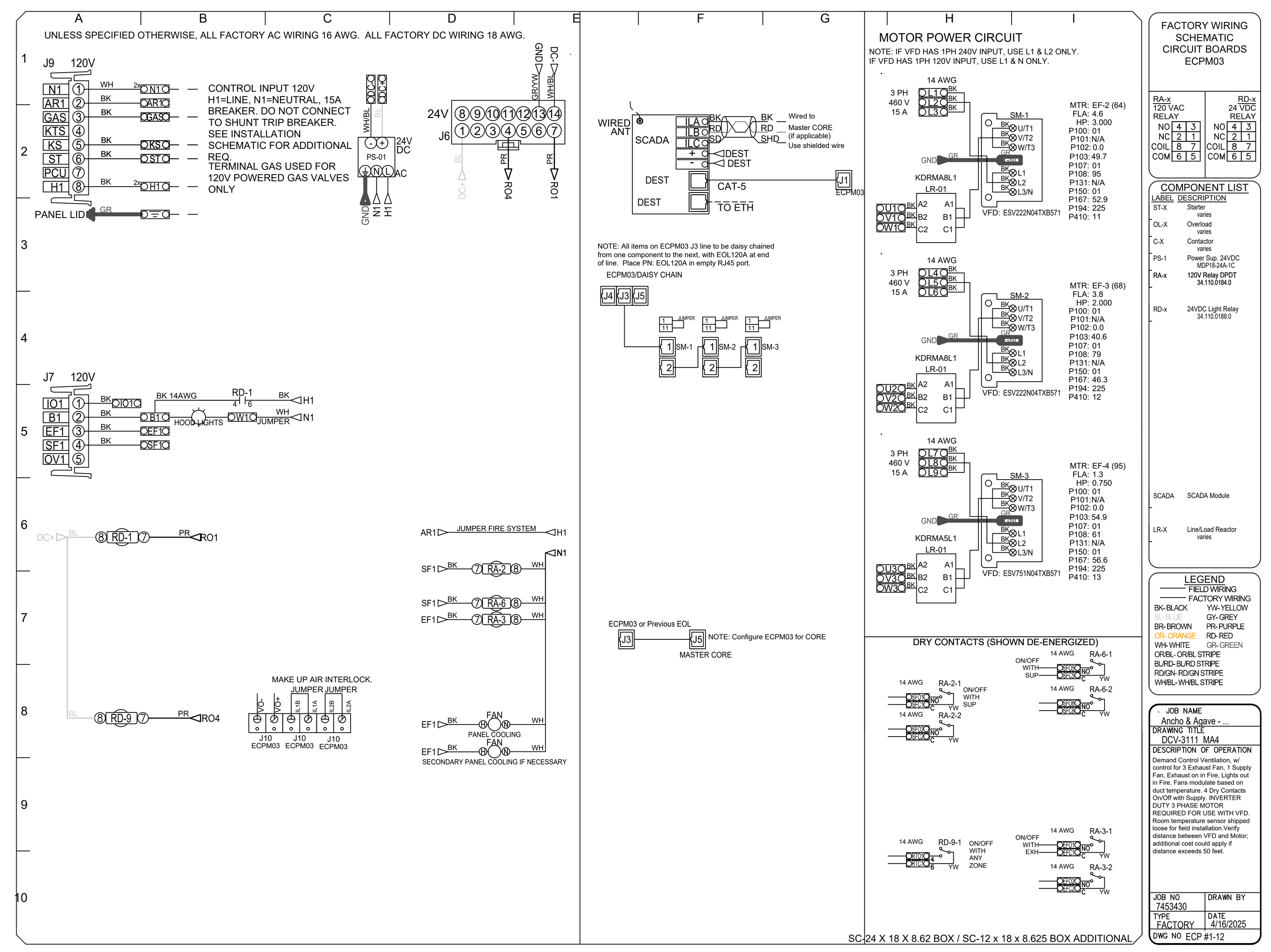
10/01/2023 Rev. 17

FS-3: SLAVE



ATTENTION: LOW-VOLTAGE DC OR SIGNALING WIRE SHOULD BE ROUTED IN SEPARATE CONDUIT FROM ALL AC SOURCES

NOTE: SEE INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR FURTHER INSTRUCTIONS



ISSUE FOR PROGRESS

OWNER RELEASE: I HAVE REVIEWED THESE DRAWINGS FOR DESIGN INTENT AND HEREBY CERTIFY THAT THEY CONFORM IN ALL RESPECTS TO MY DESIGN CRITERIA AND ARE APPROVED.

BY ______ DATE ______

THESE DRAWINGS MAY HAVE BEEN REPRODUCED AT A SIZE DIFFERENTLY THAN ORIGINALLY DRAWN. OWNER AND ARCHITECT ASSUME NO RESPONSIBILITY FOR USE OF INCORRECT SCALE.

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH CONSTRUCTION AND NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR CONFLICTS.

NO	DATE	DESCRIPTION
1	Ø4.25.25	ISSUE FOR PERMIT

REVISIONS

	DESCRIPTION	DATE

CAPTIVEAIRE
Chicago Foodservice Division
1120 Charleston Drive, St. Charles, IL 60174 PHONE: (630) 377 - 2611 FAX: 9195168738 EMAIL: reg55@captiveaire.com
www.captiveaire.com

Ancho & Agave - Lee's Summit, MO - Hoods_ND-2
LEES SUMMIT, MO, 64086

DATE: 4/16/2025
DWG.#: 7453430
DRAWN BY: CT
SCALE: 3/4" = 1'-0"
MASTER DRAWING
SHEET NO. 9

WCW Engineers, Inc.
760 Creel Drive
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JOSEPH G. THOMAS NUMBER E-27428 REGISTERED PROFESSIONAL ENGINEER

CERTIFICATION:

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CAPTIVEAIRE DRAWINGS

JOB NO: ANCHO - SUMMIT FAIR
DATE: 04.25.2025
SHEET NO: M4.14

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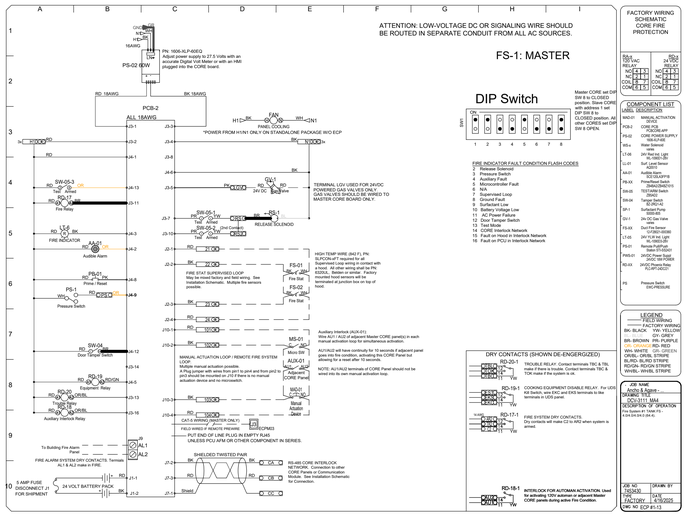
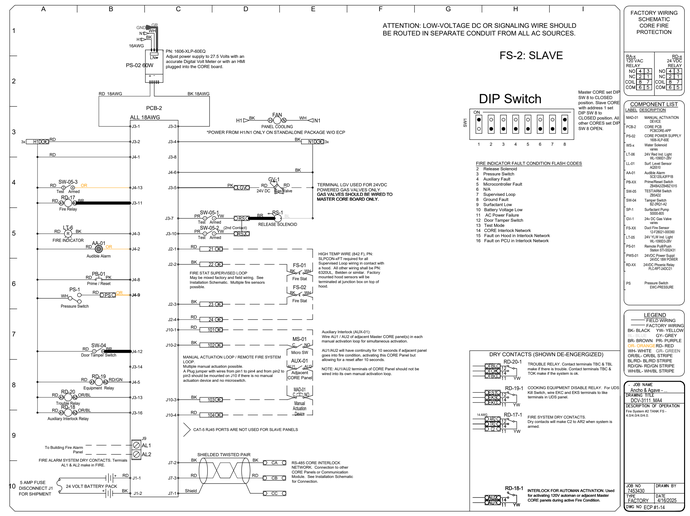
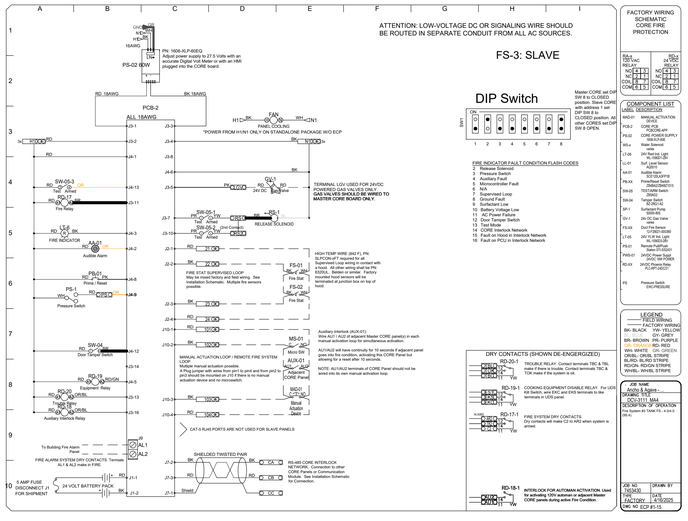






DEMAND CONTROL VENTILATION HOOD CONTROL PANEL SPECIFICATIONS:

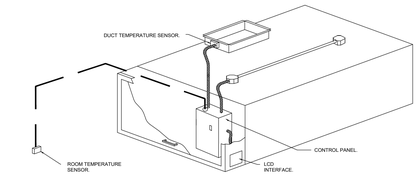
- CONTROLS SHALL BE LISTED BY ETL (UL 508A) AND SHALL COMPLY WITH DEMAND VENTILATION SYSTEM TURNDOWN REQUIREMENTS OUTLINED IN IECC 403.7.5 (2021).
- THE CONTROL ENCLOSURE SHALL BE NEMA 1 RATED AND LISTED FOR INSTALLATION INSIDE OF THE EXHAUST HOOD UTILITY CABINET. THE CONTROL ENCLOSURE MAY BE CONSTRUCTED OF STAINLESS STEEL OR PAINTED STEEL.
- TEMPERATURE PROBE(S) LOCATED IN THE EXHAUST DUCT RISER(S) SHALL BE CONSTRUCTED OF STAINLESS STEEL.
- A DIGITAL CONTROLLER SHALL BE PROVIDED TO ACTIVATE THE HOOD EXHAUST FANS DYNAMICALLY BASED ON A FIXED DIFFERENTIAL BETWEEN THE AMBIENT AND DUCT TEMPERATURES SENSORS. THIS FUNCTION SHALL MEET THE REQUIREMENTS OF IMC 507.1.1.
- A DIGITAL CONTROLLER SHALL PROVIDE ADJUSTABLE HYSTERESIS SETTINGS TO PREVENT CYCLING OF THE FANS AFTER THE COOKING APPLIANCES HAVE BEEN TURNED OFF AND/OR THE HEAT IN THE EXHAUST SYSTEM IS REDUCED.
- A DIGITAL CONTROLLER SHALL PROVIDE AN ADJUSTABLE MINIMUM FAN RUN-TIME SETTING TO PREVENT FAN CYCLING.
- VARIABLE FREQUENCY DRIVES (VFDS) SHALL BE PROVIDED FOR FANS AS REQUIRED. THE DIGITAL CONTROLLER SHALL MODULATE THE VFDS BETWEEN A MINIMUM SETPOINT AND A MAXIMUM SETPOINT ON DEMAND. THE DUCT TEMPERATURE SENSOR INPUT(S) TO THE DIGITAL CONTROLLER SHALL BE USED TO CALCULATE THE SPEED REFERENCE SIGNAL.
- THE VFD SPEED RANGE OF OPERATION SHALL BE FROM 0% TO 100% FOR THE SYSTEM, WITH THE ACTUAL MINIMUM SPEED SET AS REQUIRED TO MEET MINIMUM VENTILATION REQUIREMENTS.
- AN INTERNAL ALGORITHM TO THE DIGITAL CONTROLLER SHALL MODULATE SUPPLY FAN VFD SPEED PROPORTIONAL TO ALL EXHAUST FANS THAT ARE LOCATED IN THE SAME FAN GROUP AS THE SUPPLY FAN.
- THE SYSTEM SHALL OPERATE IN PREP MODE DURING LIGHT COOKING LOAD OR COOL DOWN MODE WHEN SUFFICIENT HEAT REMAINS UNDERNEATH THE HOOD SYSTEM AFTER COOKING OPERATIONS HAVE COMPLETED. OPERATION DURING EITHER OF THESE PERIODS WILL DISABLE THE SUPPLY FANS AND PROVIDE AN EXHAUST FAN SPEED THAT IS EQUAL TO THE MINIMUM VENTILATION REQUIREMENT.
- A DIGITAL CONTROLLER SHALL DISABLE THE SUPPLY FAN(S), ACTIVATE THE EXHAUST FAN(S), ACTIVATE THE APPLIANCE SHUNT TRIP, AND DISABLE AN ELECTRIC GAS VALVE AUTOMATICALLY WHEN FIRE CONDITION IS DETECTED ON A COVERED HOOD.
- A DIGITAL CONTROLLER SHALL ALLOW FOR EXTERNAL BMS FAN CONTROL VIA DRY CONTACT (EXTERNAL CONTROL SHALL NOT OVERRIDE FAN OPERATION LOGIC AS REQUIRED BY CODE).
- AN LCD INTERFACE SHALL BE PROVIDED WITH THE FOLLOWING FEATURES:
  - A. ON/OFF PUSH BUTTON FAN & LIGHT SWITCH ACTIVATION.
  - B. INTEGRATED GAS VALVE RESET FOR ELECTRONIC GAS VALVES (NO RESET RELAY REQUIRED).
  - C. VFD FAULT DISPLAY WITH AUDIBLE & VISUAL ALARM NOTIFICATION.
  - D. DUCT TEMPERATURE SENSOR FAILURE DETECTION WITH AUDIBLE & VISUAL ALARM NOTIFICATION.
  - E. MIS-WIRED DUCT TEMPERATURE SENSOR DETECTION WITH AUDIBLE & VISUAL ALARM NOTIFICATION.
  - F. A SINGLE LOW VOLTAGE CAT-5 RJ45 WIRING CONNECTION.
  - G. AN ENERGY SAVINGS INDICATOR THAT UTILIZES MEASURED KWH FROM THE VFDS.

SYSTEM DESIGN VERIFICATION (SDV)

IF ORDERED, CAS SERVICE WILL PERFORM A SYSTEM DESIGN VERIFICATION (SDV) ONCE ALL EQUIPMENT HAS HAD A COMPLETE START UP PER THE OPERATION AND INSTALLATION MANUAL. TYPICALLY, THE SDV WILL BE PERFORMED AFTER ALL INSPECTIONS ARE COMPLETE.

ANY FIELD RELATED DISCREPANCIES THAT ARE DISCOVERED DURING THE SDV WILL BE BROUGHT TO THE ATTENTION OF THE GENERAL CONTRACTOR AND CORRESPONDING TRADES ON SITE. THESE ISSUES WILL BE DOCUMENTED AND FORWARDED TO THE APPROPRIATE SALES OFFICE. IF CAS SERVICE HAS TO RESOLVE A DISCREPANCY THAT IS A FIELD ISSUE, THE GENERAL CONTRACTOR WILL BE NOTIFIED AND BILLED FOR THE WORK. SHOULD A RETURN TRIP BE REQUIRED DUE TO ANY FIELD RELATED DISCREPANCY THAT CANNOT BE RESOLVED DURING THE SDV, THERE WILL BE ADDITIONAL TRIP CHARGES.

DURING THE SDV, CAS SERVICE WILL ADDRESS ANY DISCREPANCY THAT IS THE FAULT OF THE MANUFACTURER. SHOULD A RETURN TRIP BE REQUIRED, THE GENERAL CONTRACTOR AND APPROPRIATE SALES OFFICE WILL BE NOTIFIED. THERE WILL BE NO ADDITIONAL CHARGES FOR MANUFACTURER DISCREPANCIES.



TYPICAL HOOD CONTROL PANEL INSTALLATION

SEQUENCE OF OPERATIONS:

THE HOOD CONTROL PANEL IS CAPABLE OF OPERATING IN ONE OR MORE OF THE FOLLOWING STATES AT ANY GIVEN TIME:

- AUTOMATIC: THE SYSTEM OPERATES BASED ON THE DIFFERENTIAL BETWEEN ROOM TEMPERATURE AND THE TEMPERATURE AT THE HOOD CAVITY OR EXHAUST DUCT COLLAR. FANS ACTIVATE AT A CONFIGURABLE TEMPERATURE DIFFERENTIAL THRESHOLD. DEPENDING ON THE JOB CONFIGURATION EACH FAN ZONE CAN BE CONFIGURED AS STATIC OR DYNAMIC. THESE TERMS REFER TO WHETHER A VARIABLE MOTOR (SUCH AS EC MOTORS OR VFD DRIVEN MOTORS) MODULATE WITH TEMPERATURE. IF THE PANEL IS EQUIPPED WITH VARIABLE SPEED FANS AND THE ZONE IS DEFINED AS "DYNAMIC", THESE WILL MODULATE WITHIN A USER-DEFINED RANGE BASED ON THE TEMPERATURE DIFFERENTIAL. PANELS EQUIPPED WITH VARIABLE SPEED FANS AND A FAN ZONE DEFINED AS "STATIC", FANS WILL RUN AT A SET SPEED CALCULATED FOR THE DRIVE. DEMAND CONTROL VENTILATION SYSTEMS ARE CAPABLE OF MODULATING EXHAUST AND MAKE UP AIR FAN SPEEDS PER THE REQUIREMENTS OUTLINED IN IECC 403.7.5 (2021).
- MANUAL: THE SYSTEM OPERATES BASED ON HUMAN INPUT FROM AN HMI.
- SCHEDULE: A WEEKLY SCHEDULE CAN BE SET TO RUN FANS FOR A SPECIFIED PERIOD THROUGHOUT THE DAY. THERE ARE THREE OCCUPIED TIMES PER DAY TO ALLOW FOR THE USER TO SET UP A TIME THAT IS SUITABLE TO THEIR NEEDS. ANY TIME THAT IS WITHIN THE DEFINED OCCUPIED TIME, THE SYSTEM WILL RUN AT MODULATION MODE AND FOLLOW THE FAN PROCEDURE ALGORITHM BASED ON TEMPERATURE DURING THIS TIME. DURING UNOCCUPIED TIME, THE SYSTEM WILL HAVE AN EXTRA OFFSET TO PREVENT UNINTENDED ACTIVATION OF THE SYSTEM DURING A TIME WHERE THE SYSTEM IS NOT BEING OCCUPIED.
- OTHER: THE SYSTEM OPERATES BASED ON THE INPUT FROM AN EXTERNAL SOURCE (DDC, BMS OR HARD-WIRED INTERLOCK).
- FIRE: UPON ACTIVATION OF THE HOOD FIRE SUPPRESSION SYSTEM, THE EXHAUST FAN WILL COME ON OR CONTINUE TO TO RUN, THE HOOD MAKEUP AIR WILL SHUTDOWN, AND A SIGNAL WILL BE SENT FOR ACTIVATING THE SHUNT TRIP BREAKER PROVIDED BY THE ELECTRICIAN. FUEL GAS WILL SHUT OFF VIA A MECHANICAL/ELECTRICAL GAS VALVE ACTUATED BY THE HOOD FIRE SUPPRESSION SYSTEM.

ISSUE FOR PROGRESS

REVISIONS

NO	DATE	DESCRIPTION
1	Ø4.25.25	ISSUE FOR PERMIT

CAPTIVEAIRE
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www.captiveaire.com
Chicago Foodservice Division

Ancho & Agave - Lee's Summit, MO - Hoods_ND-2

LEES SUMMIT, MO, 64086

DATE: 4/16/2025

DWG.#: 7453430

DRAWN BY: CT

SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO. 10

WCW Engineers, Inc.
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STATE OF MISSOURI JOSEPH G. THOMAS NUMBER E-27428 REGISTERED PROFESSIONAL ENGINEER

CERTIFICATION:

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SUMMIT FAIR SHOPPING CENTER
D-BUILDING
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CAPTIVEAIRE DRAWINGS

JOB NO: ANCHO - SUMMIT FAIR

SHEET NO: M4.15

DATE: 04.25.2025

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SECTION 15050
MECHANICAL BASIC MATERIALS AND METHODS

PART 1 - GENERAL

1.01 DESCRIPTION

A. This Section defines the General Provisions which are common to all Sections of this Division.

B. Furnish all labor, materials, tools and equipment; fabricate, and install complete and in place, all the fixtures, equipment and systems as shown on the drawings, specified herein, and as required for a complete and operable installation.

C. The Contractor shall pay for all permits, fees and charges required for this work.

1.02 DRAWINGS AND SPECIFICATIONS

A. Design Drawings: The Drawings accompanying these Specifications are generally diagrammatic. Any changes from the general routing shown on the Drawings such as offsets, bends or changes in elevation due to coordination with the Work of other trades and the building construction shall be done without additional charge to the Owner.

B. Shop Drawings:
1. Shop Drawings shall be submitted for each and every item of manufactured and fabricated materials and equipment.
2. Submit sufficient copies identically marked to allow Engineer and Owner's Representative to retain three (3) copies.
3. The Contractor shall make the required corrections and shall re-submit corrected submittals or submit requested information. The Contractor shall direct specific attention to the revisions.
4. The Engineer will review initial submittals and one (1) re-submittal. The Owner will compensate the Engineer for review of submittals after the first re-submittal and deduct such compensation from the amount owed the Contractor.
5. All mechanical equipment electrical and structural requirements shall be coordinated with other trades prior to purchase and installation of the equipment. Notify engineer with discrepancies immediately.

C. Record Drawings:
1. The Contractor shall keep an accurate record of all concealed pipes, ducts, valves, conduits, etc. In addition, he shall record, in a special set of Contract Drawings, all changes and deviations from the design drawings that occurred during the installation of the Work.
2. At completion of the job, these Drawings illustrating changes or deviations showing by dimension and location the exact position of all concealed pipes, valves, etc., shall be delivered to the Architect/Engineer.

D. Specifications - Refer to the following General Specifications as they are a part of all sections of this Division.
1. General Requirements Division; regarding but not limited to: Alteration Project Procedures, Submittals, Construction Facilities and Temporary Controls, Cleaning During Construction, and Product Options and Substitutions.
2. Existing Conditions Division - Sitework; regarding but not limited to: Selective Demolition, Earthwork, Excavation and Backfilling.
3. Concrete Division - Concrete; regarding but not limited to: Cast-in-Place Concrete, Formwork and Reinforcement.

E. It is the intention of this Specification Section that all items of material and equipment herein specified or shown on the Drawings for each Section shall be furnished by the Contractor for that Section, and installed by that Contractor, unless it is specifically stated in the section specification, or shown on the Drawings, that any item of material or equipment is to be furnished by the Contractor of a section and installed by the Contractors of other Sections, or furnished by other section Contractors and installed by the Contractor of the section.

1.03 PROPOSAL

A. Submit proposal to include all materials and equipment by specific manufacturer and model as specified or scheduled on the drawings. Where the specification names a particular manufacturer and/or model number and additionally states "or acceptable substitute", the proposal shall be based on the named manufacturer and/or model number; however, the Contractor may submit on alternate manufacturers, stating the amount to be added to or the amount to be deducted from his bid as based on the specified manufacturer. The listing of a single manufacturer and/or model number is for the purpose of establishing a level of quality. It is not intended to inhibit competition in any form. The Engineer's decision as to what constitutes the level of quality and the acceptability of alternate products shall be final.

B. For materials and equipment specified by naming several products or manufacturers, select any product or manufacturer named.

C. For materials and equipment specified only by reference or performance standards, select any product which meets or exceeds those standards by any reputable manufacturer regularly engaged in the production of that product, subject to the review of the Owner's Representative.

1.04 SUBSTITUTIONS

A. Prior to bid opening: The Owner's Representative and Engineer will consider written requests to amend the bidding documents to all products not specified, provided such requirements are submitted in accordance with these Contract Documents.

B. With bid: A bidder may propose substitutions with his bid by completing the Substitution Sheet with the Bid Form, subject to the provisions stated thereon. The Engineer will review the Substitution Sheet of the low bidder and recommend acceptance or rejection by the Owner prior to the award of the Contract.

C. After award of contract: No substitutions will be considered after Notice of Award except under one or more of the following conditions.
1. Substitution is required for compliance with final interpretations of Code requirements or insurance regulations.
2. Unacceptable delivery schedule or non-availability of specified products, through no fault of Contractor.
3. Subsequent information discloses inability of specified product to perform properly or to fit in designated space.
4. Manufacturer or fabricators refusal to certify or guarantee the performance of the specified product as specified.
5. When a substitution would be to the Owner's substantial best interest.

1.05 SUBSTITUTION REQUIREMENTS

A. The basic design and engineering of the project is not to be altered by proposed substitutions. "Pre-engineered" package units "off-the-shelf" will not be reviewed if all components of the system; i.e., system supply and return capacities, heating and cooling capacities and integrated temperature control system are not as scheduled and specified within limits as established by the Engineer.

B. Whenever the words "or acceptable substitution" appear in these specifications, the Engineer's decision as to quality and relative merit shall be final. Whenever manufacturers or products are named in these specifications without the qualification "or acceptable substitute", selection of equipment and materials shall be confined to the manufacturer or manufacturers named. The allegation that furnishing materials or equipment in conformance to specifications would delay progress of construction is unacceptable.

C. Each Contractor shall submit a list of proposed substitutions, that is, any product for which the manufacturer was not specified by name in the specification, to the Architect's Office, provided such requests are submitted in accordance with these Contract Documents. Contractor will not be allowed to submit a substitution with his bid on any item that was not included on this proposed substitution list.

D. In the event that a substitution proposed by the Contractor accepted by the Owner, the Contractor furnishing the substitution shall be entirely responsible for the substitute item properly fitting in place.

E. The installation of any substitution proposed by the Contractor and accepted by the Owner shall be entirely the Contractor's responsibility.
1. If substitute results in more work or cost to any other trade, the Contractor responsible for the substitution will notify those trades and pay any additional cost for all trades affected by the substitutions.
2. The Contractor shall be responsible for the costs of any and all Architectural and Engineering revisions to the drawings and specifications as required to satisfy alterations made necessary by the substitution.

F. Mechanical and electrical designs are based on the requirements for the manufacturers specified or listed on the equipment schedules. Conduit, disconnects, breakers, fuses and wire sizes are selected on basis of scheduled equipment. Increased current requirements necessitating larger wire, breakers, switches, etc., to accommodate any alternate or substitute manufacturer's equipment other than as specified or as shown on the drawings shall be provided with out any increase in Contract price by the Contractor furnishing the alternate or substitute equipment.

G. Each request for a substitution shall include complete data substantiating compliance of the proposed substitution with the contract documents.

H. For products:
1. Product identification, including manufacturer's name and address.
2. Manufacturer's literature:
   a. Product description.
   b. Performance and test data.
   c. Reference standards.
3. Samples if requested by the Owner's Representative.
4. Name and address of similar projects on which product was used and date of installation.

I. For construction methods:
1. Detailed description of proposed method.
2. Drawings illustrating the methods.

J. Itemized comparison of proposed substitution with product or method specified.

K. Data relating to changes in the construction schedule.

L. Identify:
1. Other contracts affected.
2. Changes or coordination required.

M. Accurate cost data on proposed substitution in comparison with product or method specified.

N. In making the request for substitution, the Bidder/Contractor represents that:
1. He has personally investigated proposed product or method and determined that it is equal or superior in all respects to that specified.
2. He will provide the same or better guarantee for the substitution as for the product or method specified.
3. He will coordinate installation of accepted substitutions into the work, making all changes required for the work to be completed in all respects.
4. Cost data is complete and includes all related costs under his contract, but excludes:
   a. Costs under separate contracts.
   b. Architect's and Engineer's redesign.
   c. Administrative cost of Architect and Engineer.
5. He will pay all additional costs and expenses incurred by the Owner, Architect, Engineer and other Contractors.

O. Substitutions will not be considered when:
1. They are indicated or implied on shop drawings or product data submittals without formal request submitted prior to the bid date as outlined hereinbefore.
2. Acceptance will require revisions of the contract documents unless the Contractor pays the additional costs as noted in Paragraph 1.05.N. above.

1.06 PROJECT COORDINATION

A. The Contractor will be responsible for the coordination of all work on this Project.

B. Contractor shall coordinate all mechanical work with other trades. Contractor shall coordinate with Owner's Representative and other trades to develop the overall Project Construction Schedule. A copy of the Project Construction Schedule shall be submitted to Engineer and Owner's Representative for review and acceptance.

C. Contractor shall keep the Engineer informed as to progress of Work as pertaining to the Construction Schedule. If the Work falls behind the Project Construction Schedule, the Contractor shall develop a plan to get the Work back on schedule and submit to Engineer and Owner's Representative for review and acceptance.

D. Contractor shall coordinate with the Owner's Representative for allowable days of week and times of days for building system shut downs as required for the Demolition Work and/or Construction Work.

1.07 PROJECT CLOSEOUT

A. General:
1. Furnish all required documents, forms, reports, manuals, drawings, etc. as required to satisfy the closeout procedure of the Project.

B. Project Record Drawings:
1. Submit to Engineer all Project Record Drawings to include:
   a. Record Drawings as per Paragraph 1.02 of this Specification Section.
   b. Addendums.
   c. Change Orders and other Modifications to the Contract.

C. Operation and Maintenance Manuals:
1. Submit two (2) sets prior to final inspection, bound in 8-1/2" x 11" inch text pages, three ring binders with durable and rigid covers.
2. Prepare binder covers with printed title "OPERATION AND MAINTENANCE INSTRUCTIONS", and title of the Project.
3. Subdivide the binder contents with page dividers, organized as described below; with tab titling clearly printed under plastic tabs.
4. Contents: Prepare a Table of Contents for each volume, with each Product or system description identified, typed on white paper.
5. Part 1: Directory, listing names, addresses, and telephone numbers of Engineer, Contractor, Subcontractors, and major equipment suppliers.
6. Part 2: Operation and maintenance instructions, arranged by system and subdivided by specifications section. For each category, identify names, addresses, and telephone numbers of Subcontractors and suppliers.
7. Part 3: Project documents and certificates, including the following:
   a. Shop Drawings and Product Data.
   b. Test and Balance Reports.
   c. Photocopies of warranties.
8. Submit one copy of completed volumes in final form seven (7) days prior to final inspection. This copy will be returned after final inspection, with Engineer comments. Revise content of documents as required prior to final submittal.
9. Submit final volumes revised, within 15 days after final inspection.

D. Spare Parts and Specialized Tools:
1. Provide spare parts and specialized tools, extra materials, etc. in quantities specified in other individual Sections of this Specifications. Obtain receipts from Owner's Representative.

E. Warranties:
1. Provide duplicate notarized copies.
2. Execute and assemble documents from Subcontractors, suppliers, and manufacturers.
3. For items of Work delayed beyond date of Substantial Completion, provide updated documents within 15 days of acceptance, listing date of acceptance as start of warranty period.

1.08 GENERAL WORK CONDITIONS

A. Contractor during the process of the work shall keep the premises reasonably free of all debris and waste materials resulting from the work under this section. All such debris and rubbish shall be removed from the site.

B. All work performed will be governed by the General Conditions Supplementary General Conditions and the Contract Drawings.

C. The Engineer shall not have control over or charge of and shall not be responsible for construction means, methods, techniques, sequences or procedures or for safety precautions and programs in connection with the Work, since these are solely the Contractor's responsibility under the Contract for Construction.

D. The Engineer is not empowered to authorize or issue any field orders or to verbally give directions to any contractor which shall affect time of completion of the base amount of the contract between the Owner and the Contractor.

1.09 CHASES AND RECESSES

A. All chases, recesses and major masonry openings as shown on the Drawings will be provided by the Architectural Trades.

1.10 LUBRICATION

A. Prior to testing, all equipment shall be properly lubricated in accordance with the manufacturer's instructions. One set of tools necessary for lubrication shall be delivered to Owner. After proper lubricating, all units shall be started and successfully operated by the Contractor in the presence of the Architect and/or Engineer.

B. Except for small electrical motors which under NEMA Standards are equipped with lifetime lubrication, all bearings on large motors and mechanical equipment shall be equipped with lubricator fittings extended to the exterior of the housing.

1.11 POWER WIRING

A. Motors up to and including 1/3 H.P. shall be 120 volt, 60 hertz, single phase and motors 1/2 H.P. and larger shall be built for 208/460 volts, 60 hertz, three phase; unless otherwise indicated per drawing schedules, plans and details.

B.

C. The Electrical Contractor shall provide combination magnetic starters with H.O.A. switch for each item of three phase equipment and unfused disconnects for each item of single phase equipment, except where starters are furnished as a part of wired equipment.

D. The Electrical Contractor shall do all power wiring including connections to the motors furnished by the Contractors of this Division.

E. Refer to AUTOMATIC TEMPERATURE CONTROLS Section for the wiring to be performed by the Temperature Control Contractor and the Electrical Contractor as they relate to temperature controls.

F. Verify with Electrical Contractor, General Contractor, and Owner's Representative the exact electrical characteristics of the project site prior to ordering equipment and report any discrepancies.

1.12 GUARANTEE

A. Contractor's Guarantees: Each Contractor to furnish a written guarantee that all requirements of the Drawings and Specifications, including equipment capacities, have been complied with. Guarantee period shall be for a period of one (1) year from date of acceptance of work, unless a longer guarantee period is applicable from manufacturer. All warranties shall accrue to the benefit of the Owner.

B. Manufacturer's Warranties: Furnish to the Owner standard manufacturer's warranties on all major items of equipment.

C. Repair or replacement: Contractor shall promptly remedy any defect in the work appearing within the guarantee and warranty period. Repair or replace work as required without cost to the owner, including cost of damage to or replacement of adjacent construction and finishes.

D. In addition to guarantee provisions of the General Conditions, all refrigerant compressors shall have an extended warranty of four (4) years beyond the first year for replacement of parts and labor to repair.

E. In addition to guarantee provisions of the General Conditions, all heat exchangers shall have an extended warranty of nine (9) years beyond the first year for replacement of parts and labor to repair.

1.13 VALVE TAGS

A. Each valve on every pipeline shall be provided with a numbered brass tag which shall be fastened to the valve or line with non-rusting wire. When all Work is complete, deliver to the Architect/Engineer a framed (under glass) chart which shall indicate the service and location of each valve. Valves used for local shut-off may be omitted from this list.

1.14 EQUIPMENT IDENTIFICATION

A. All mechanical equipment shall be clearly identified with 2" high stenciled letters, painted on the equipment (i.e. "AHU-1"). This includes exterior equipment where the paint shall be weather resistant.

PART 2 - PRODUCTS

2.01 ACCESS DOORS

A. Provide 24" x 24" access doors manufactured as an integral unit complete with all parts and ready for installation as manufactured by one of the following:
1. Birmingham Ornamental.
2. Karp.
3. Milord, Division of Inryco.

B. Provide flush panel doors, except provide recessed panel doors where access doors occur in plaster or acoustical tile glued to gypsum lath.

C. Provide UL "B" labeled units where access doors occur in hour rated-construction.

D. Provide screw driver operated cam locks of number required by size of door.

E. Provide anchorage appropriate to construction.

PART 3 - EXECUTION

3.01 CODES AND STANDARDS

A. Piping and appurtenances installed under this division of the Specifications shall comply with the requirements of the following, where applicable:

ANSI Codes for Pressure Piping
ANSI Standards for Pipe and Fittings
ASME Code for Unfired Pressure Vessels
ASME Code for Power Boilers
Factory Insurance Association
American Water Works Association

B. In addition, the Work shall conform to all applicable Federal, State and local codes and ordinances.

3.02 WORK CLEANLINESS

A. Contractor shall keep stored materials, storage areas, and installed systems free of dirt and debris.

B. All exposed ends of incomplete or uncovered work shall be temporarily plugged as each phase of piping work and ductwork is completed.

C. Piping, Ductwork and Equipment to be painted (exposed to view in completed structure) shall be cleaned by removing rust, plaster, and dirt by wire brushing. Grease, oil and similar materials shall be removed by wiping with clean rags and suitable solvents.

D. Motors, Pumps, Fans and other items with Factory Finish shall be removed of grease and oil and leave with all surfaces cleaned and polished.

3.03 CUTTING AND PATCHING

A. All cutting, repairing, fitting and refinishing of in place construction required for the installation of the Work of a Section shall be done at the expense of the Contractor of the Section, except as specifically shown on the Drawings or hereinafter specified.

B. Work shall be performed by craftsmen skilled in their respective trades.

3.04 EXCAVATING

A. The Contractor of each Section shall do all excavating and backfilling as required for the installation of his Work.

B. The Work shall be performed in accordance with Existing Conditions Division Specification Section and as hereinafter specified.

C. Excess earth from the excavations shall be deposited on the site where directed.

D. All excavations shall be backfilled as follows:
1. Within the building walls and under all paved areas: Bank run granular fill compacted to 95% modified Proctor.
2. Under concrete areas and paved areas, fill as within the buildings.
3. In grassy areas, fill with bank run granular fill to a depth of 12 inches over the highest part of the piping and finish with acceptable excavated material.

3.05 MODIFICATIONS AND INTERFERENCES

A. Contractor shall carefully check and become familiar with the Architectural, Structural, Electrical and all Mechanical Drawings and Details, and make note of all locations where walls, partitions, ceilings, structural members, etc., are called for to be furred or closed-in.

B. Modifications to the arrangement of the mechanical system may be required to suit structural conditions, or to avoid interference with the Work of other trades. Contractor shall furnish all offsets, additional fittings, etc., as required to meet installation conditions whether detailed on the Drawings or not.

C. Any questionable information in the Specifications or on the Drawings shall be called to the attention of the Architect and/or Engineer for clarification before proceeding with fabrication or erection of the parts affected. If, in the opinion of the Contractor, any additional detail drawings are necessary, he shall prepare them at his own expense, together with all bills of material.

3.06 OPERATING INSTRUCTIONS

A. The Contractor for the Section shall, when directed by the Architect/Engineer, provide the Owner with a competent tradesman to instruct the Owner's personnel in the proper operation and maintenance of the equipment he has installed.

B. Provide three (3) copies of operating instructions, for equipment manuals, and control diagrams per GENERAL REQUIREMENTS Specification Sections for contract close-out.

C. Control diagrams and written instructions shall be framed under glass.

END SECTION

SECTION 15250
MECHANICAL INSULATION

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

A. Drawings and general provisions of Contract, including General and Supplementary Conditions and General Requirements Division Specification sections, apply to work of this section.

B. Requirements of the MECHANICAL BASIC MATERIALS AND METHODS section applies to the Work specified in this Section.

PART 2 - PRODUCTS

2.01 INSULATION - HOT PIPING

A. Insulation for domestic water piping systems shall be 1" thick glass fiber.

B. Glass fiber insulation shall be UL rated, noncombustible, sectional pipe insulation of heavy density glass fiber with All Service jacket having a composite rating not to exceed 25 flame spread and 50 smoke developed. Insulation shall be as supplied by CertainTeed, Owens/Corning, or Knauf.

C. Jacket laps and butt strips shall be self-sealing type.

D. Provide half round galvanized 18 gauge sheet metal hanger shields. Shields shall be 12" long for pipe sizes up to 3", 18" for pipe sizes over 3" and up to 6", and 24" long for pipe sizes over 6".

2.02 INSULATION - COLD PIPING

A. Insulation for domestic water piping systems shall be 1" thick glass fiber.

B. Insulation for drainage piping systems (downspouts, roof drains, cooling coil condensate) shall be 1" thick glass fiber.

C. Glass fiber insulation shall be UL rated, noncombustible, sectional pipe insulation of heavy density glass fiber with All Service jacket having a composite rating not to exceed 25 flame spread and 50 smoke developed. Insulation shall be as supplied by CertainTeed, Owens/Corning, or Knauf.

D. Jacket laps and butt strips shall be self-sealing type.

E. Provide half round galvanized 18 gauge sheet metal hanger shields. Shields shall be 12" long for pipe sizes up to 3", 18" for pipe sizes over 3" and up to 6", and 24" long for pipe sizes over 6".

2.03 REFRIGERANT - SUCTION PIPING

A. Insulation shall be 1" thickness for pipe sizes up to 1-1/2" and 1-1/2" thick for pipe sizes over 1-1/2".

B. Interior piping insulation shall be glass fiber and exterior piping insulation shall be flexible foamed elastomeric plastic.

2.04 INSULATION - AIR SYSTEM COMPONENTS

A. Insulation shall be 2" thickness of semi-rigid board, 3 PCF density, foil reinforced Kraft facing.

B. Board shall be UL rated, noncombustible glass fiber, 25 flame spread, 50 smoke developed, as manufactured by CertainTeed, Owens/Corning and Knauf.

C. Every package or standard container of covering, adhesive and coating delivered at the building for use must have the manufacturer's stamp or label attached, giving name of manufacturer and brand.

2.05 INSULATION - DUCTWORK

A. Insulation shall be 2" thickness of flexible insulation, 1 PCF density, foil reinforced Kraft facing, having a composite rating not to exceed 25 flame spread and 50 smoke developed. Insulation shall be as supplied by Owens/Corning, CertainTeed or Knauf.

B. Every package or standard container of covering, adhesive and coating delivered at the building for use must have the manufacturer's stamp or label attached, giving name of manufacturer and brand.

C. Refer to AIR DISTRIBUTION Section for lined ducts.

PART 3 - EXECUTION

3.01 INSULATED PIPING SYSTEMS

A. Provide insulation on piping systems as follows:
1. Hot piping.
2. Cold piping.
3. Refrigerant suction piping, as per cold piping.
4. Roof head bodies, horizontal and vertical downspout piping, as per cold piping.
5. Condensate drain piping, as per cold piping.
6. Sanitary drainage lines receiving cold condensate, as per cold piping.
7. Hot water supply and waste lines at plumbing fixtures intended for handicapped accessibility.

3.02 PIPE HANGER SHIELDS

A. Each Contractor installing hot or cold piping shall set the piping up on wood blocking at each hanger.

B. The wood blocking thickness shall be the same as that of the pipe insulation.

C. This Contractor shall replace the wood blocking with a full section of heavy density pipe insulation and a hanger shield.

3.03 INSTALLATION, GENERAL - HOT PIPING

A. All surfaces must be clean and dry and pipe lines tested before applying pipe insulation. If covering is applied at the pipe coverer's option prior to testing, and defects in covered work appear at or before the time of inspection and tests, the covering must be removed, and after defects have been corrected, must be reinstalled without expense to the Owner.

B. Covering shall be dry when installed and before and during the application of any finish. Surfaces of covering shall be smooth, even and substantially flush with adjacent pipe covering.

C. Manufacturer's application instructions for all materials shall be followed.

D. Insulation shall not be applied over pipe plugs, blind nipples, nameplates, inspection stamps, or identification tags.

E. Insulator must exercise extreme caution in the storage of flammable adhesives and during their application.

3.04 INSULATION OF PIPING - HOT PIPING

A. Butt joints firmly together. Overlap seam shall be downward on side of pipe, sealed tight and smooth. Staple overlap on 6" spacing.

B. Install butt strips with 2" overlap downward staple end of overlap.

C. Insulation shall be fastened with 9/16" flare type staples.

3.05 INSULATION OF FITTINGS, VALVES, ETC. - HOT PIPING

A. Fittings and valves 3" and less shall be insulated by wrapping with pre-cut fiber glass blanket insulation and securing with jute twine. A preformed, molded PVC jacket cover shall be installed over the blanket insulation. The jacket shall be fastened with stainless steel tacks and butt strips overlapping onto the adjoining pipe insulation.

B. Fittings 4" IPS and larger shall be insulated with nested and/or mitered sectional pipe covering of the same material and thickness as the adjacent pipe insulation. Insulation shall then receive one coat of finishing cement with glass fiber reinforcing cloth applied to form a smooth finish in accordance with manufacturer's recommendations.

C. Valves 4" IPS and larger shall have bodies up to the bonnets insulated with nested and/or mitered sectional pipe covering of the same material and thickness as the adjacent pipe insulation. Insulation shall receive one coat of finishing cement with glass fiber reinforcing cloth applied to form a smooth finish in accordance with manufacturer's recommendations. Packing nuts of valves shall not be insulated.

D. Flanges shall be insulated with nested pipe insulation. The flange insulation shall extend not less than 2" over the adjacent pipe insulation on each side of the flange. Insulation on pipes shall be stopped short of flanges to permit removal of flange bolts. The flange insulation shall be applied in such a manner that it may be removed without damage to the adjacent pipe insulation.

E. Strainers 1-1/2" and larger shall be insulated with nested pipe insulation and filling voids with cement as described above for 4" and larger fittings and valves. Clean-out plugs shall be left accessible so that insulation will not be damaged by their removal. Strainers smaller than 1-1/2" shall not be insulated.

F. Wherever nesting size sectional covering is used, it shall be cut to fit in a neat workmanlike manner with all joints butted and held securely in place.

G. Unions shall not be insulated.

H. Fittings, valves, strainers, unfinished ends of sectional insulation, and color damaged jackets shall be sealed and painted with Childers No. CP-32 (white) at the rate of 85-100 sq. ft. per gallon.

3.06 INSTALLATION, GENERAL - COLD PIPING

A. All surfaces must be clean and dry and pipe lines tested before applying pipe insulation. If covering is applied at the pipe coverer's option prior to testing, and defects in covered work appear at or before the time of inspection and tests, the covering must be removed, and after defects have been corrected, must be reinstalled without expense to the Owner.

B. Covering shall be dry when installed and before and during the application of any finish. Surfaces of covering shall be smooth, even and substantially flush with adjacent pipe covering.

C. Manufacturer's application instructions for all materials shall be followed.

D. Insulation shall not be applied over pipe plugs, blind nipples, nameplates, inspection stamps, or identification tags.

E. Insulator must exercise extreme caution in the storage of flammable adhesives and during their application.

3.07 INSULATION OF PIPING - COLD PIPING

A. Butt joints firmly together. Overlap seam shall be downward on side of pipe, sealed tight and smooth.
Staple overlap on 6" spacing.

B. Install butt strips with 2" overlap downward staple end of overlap.

C. Insulation shall be fastened with 9/16" flare type staples.

D. Seal over staples with vapor-barrier mastic, Childers No. CP-32 (white).

3.08 INSULATION OF FITTINGS, VALVES, ETC. - COLD PIPING

A. Valves and fittings 3" and less shall be insulated by wrapping with pre-cut fiber glass blanket insulation and securing with jute twine. A preformed, molded PVC jacket cover shall be installed over the blanket
E. insulation. The jacket shall be fastened with stainless steel tacks and butt strips overlapping onto the adjoining pipe insulation. A vapor-barrier mastic, Childers No. CP-32 (white), shall be used to seal the jacket throat and jacket to the pipe insulation prior to tack and butt strip installation.

F. Fittings 4" IPS and larger shall be insulated with nested and/or mitered sectional pipe covering of the same material and thickness as the adjacent pipe insulation.

G. Valves 4" and larger shall have bodies up to the bonnets insulated with nesting pipe insulation of appropriate size and of the same material and thickness as the adjacent pipe insulation.

H. Flanges shall be insulated with nesting pipe insulation. The flange insulation shall extend not less than 2" over the adjacent pipe insulation on each side of the flange. Insulation on pipes is to be stopped short of flanges to permit removal of flange bolts. The flange insulation shall be applied in such a manner that it may be removed without damage to the adjacent pipe insulation.

I. Unions shall be covered with nesting pipe insulation as specified for flanges.

J. Strainers shall be insulated as described above for small valves and fittings. Clean-out plugs shall be left accessible so that the insulation is not damaged by their removal.

K. Wherever nesting size sectional covering is used, it shall be cut to fit in a neat workmanlike manner with all joints butted and held securely in place with jute or glass fiber twine. Joints shall be pointed up with insulating cement prior to receiving surface finish.

L. Fittings, valves, strainers, where vapor-barrier jacket or cloth tape has been fitted for nested/mitered applications, and color damaged jackets shall be sealed and painted with Childers No. CP-32 (white) at the rate of 85-100 sq. ft. per gallon.

3.09 INSTALLATION - REFRIGERANT PIPING

A. Insulation shall be installed in accordance with manufacturer's instructions for 40□F piping.

B. Provide two (2) coats of weather resistant paint for exterior installations in accordance with manufacturer's recommendations.

3.10 INSULATED DUCT SYSTEMS

A. Provide insulation on the supply and return ductwork systems, except where ductwork is indicated to be lined.

B. Provide insulation on the outside air ductwork of all systems from the plenum or hood intake to the HVAC unit, except where ductwork is indicated to be lined.

C. Provide insulation on the exhaust air ductwork of all systems from the system exhaust air control damper to the exhaust air plenum or hood discharge, except where ductwork is indicated to be lined.

D. Provide insulation on the outside air intake and exhaust air discharge air plenums.

3.11 INSTALLATION, GENERAL - DUCTS

A. No insulation shall be applied until the ductwork has been tested and proven tight.

B. All ductwork shall be cleaned of oil, grease, loose dirt, and other foreign matter before the insulation is applied.

C. Exposed ends of insulation shall be beveled to the insulated surface, and the jacket and/or vapor barrier shall be sealed to the surface.

D. Cutouts in the insulation for nameplates and equipment tags shall have all edges tapered to the surface, and the jacket and/or vapor barrier sealed.

E. Special care must be taken in applying insulation around such accessories as reheat coils, flexible connections, access doors, etc., to allow removal of these items without in any way removing the insulation or breaking the vapor seal.

3.12 INSTALLATION - DUCTS

A. Insulation wrap shall be applied to the duct with 6" wide bands of adhesive on 12" centers. The adhesive shall have a flame spread index of 25 or less. Welding type fasteners shall be applied to the bottom of ducts over 18" in width. The fasteners shall be a maximum of 12" on centers and placed close to butt ends of the insulation. The pins shall be cut off flush with the fastener washer.

B. All joints, cracks and breaks, including holes for the fasteners, in the vapor barrier shall be sealed with a vapor barrier mastic, Childers No. CP-32 (gray) and vapor barrier jacket material. Breaks in the vapor barrier caused by the attachment of tubing or other equipment shall also be sealed. Vapor barrier laps shall be sealed with adhesive, Childers NO. CP-82. No staples shall be used to secure the vapor barrier laps.

C. Where pins are used, apply vapor seal patches using adhesive over the pins.

3.13 INSULATION - AIR SYSTEM COMPONENTS

A. Provide insulation on the exterior surfaces of supply system components conveying mechanically cooled air except where such components are indicated to be lined.

B. Insulated components shall include filter section, supply fan, return fan, discharge cone, coil section and attenuator section.

3.14 INSTALLATION - AIR SYSTEM COMPONENTS

A. Boards shall be applied using mechanical fasteners. Fasteners shall be located not less than 3" from each edge or corner of the board. Pin spacing along the panels no greater than 12" on centers.

B. Apply round vapor seal FSK patches using adhesive over the pins.

C. All insulation edges and butt joints are to be sealed with joint sealing tape, Type FSK, 5" wide, using adhesive, Childers No. CP-82.

D. Finish pins with plastic caps.

3.15 INSTALLATION - EXTERIOR DUCTWORK

A. Provide a moisture seal vapor barrier coating of fire resistant mastic over the entire outdoors exposed ductwork system. Coating shall be minimum 1/8" thickness and manufactured by Childers, Foster, or equal.

B. Submit products specification submittals to include samples for Engineer's review.

C. END SECTION

SECTION 15486
NATURAL GAS PIPING SYSTEMS

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

A. Drawings and general provisions of Contract, including General and Supplementary Conditions and General Requirements Division Specification sections, apply to work of this section.

B. Requirements of the MECHANICAL BASIC MATERIALS AND METHODS section applies to the Work specified in this Section.

1.02 DESCRIPTION

A. This section provides for the installation of natural gas piping systems.

1.03 SHOP DRAWINGS

A. Provide 1/4" scale shop drawings for all piping systems.

PART 2 - PRODUCTS

2.01 PROVIDE GAS PIPING SYSTEM PRODUCTS

A. Gas cocks and unions.

B. Pipe, fittings and piping specialties.

C. Protective coatings.

D. Pressure regulators.

E. Gas service meter and apparatus support.

PART 3 - EXECUTION

3.01 CODE COMPLIANCE

A. Current NFPA-54-National Fuel Gas Code.

B. Underwriters' Laboratories, Inc.

C. American Gas Association.

D. All current local, State and Federal applicable.

3.02 NATURAL GAS SERVICE

A. The gas utility will provide a gas service and meter.

B. Provide a concrete pad and steel pipe stands/platforms for meter, per drawings.

3.03 NATURAL GAS DISTRIBUTION

A. Provide a gas distribution system from the meter to the gas-fired equipment and appliances, per drawings.

3.04 NATURAL GAS PIPING INSTALLATION

A. Install concealed gas piping in an air-tight conduit constructed of Schedule 40, seamless black steel with welded joints. Vent conduit to the outside and terminate with a screened vent cap.

B. Extend vents from pressure regulators to the outside with screened vent cap.

C. Refer to BASIC MATERIALS AND METHODS SECTION for cleaning, testing and other installation requirements.

END SECTION

ISSUE FOR PROGRESS

NO	DATE	DESCRIPTION
1	04.25.25	ISSUE FOR PERMIT

WCW Engineers, Inc.
760 Creel Drive
Wood Dale, Illinois 60191
Tel. 630/595-8800
Fax 630/595-8818
www.WCWengineers.com

STATE OF MISSOURI
JOSEPH G. THOMAS
NUMBER E-27428
REGISTERED PROFESSIONAL ENGINEER

CERTIFICATION:

ANCHO & AGAVE
SUMMIT FAIR SHOPPING CENTER
D-BUILDING
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CHICAGO, ILLINOIS 60613
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www.carrwarner.com

MECHANICAL SPECIFICATIONS

JOB NO:	SHEET NO:
ANCHO - SUMMIT FAIR	M5.1
DATE: 04.25.2025	

SECTION 15830
TERMINAL UNITS

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

A. Drawings and general provisions of Contract, including General and Supplementary Conditions and General Requirements Division Specification sections, apply to work of this section.

B. Requirements of the MECHANICAL BASIC MATERIALS AND METHODS section applies to the Work specified in this Section.

1.02 SYSTEMS

A. Provide terminal units for system per Drawings:
1. Unit Heaters
2. Cabinet Heaters

PART 2 - PRODUCTS

2.01 UNIT HEATERS

A. Unit heaters shall be gas-fired type of size and capacity scheduled on the Drawings.
B. Heaters shall be equipped with accessories as scheduled.

2.02 CABINET HEATERS

A. Cabinet heaters shall be of type, size and capacity scheduled on the Drawings.

B. Units shall be equipped with accessories as scheduled.

C. Unit baked enamel finish color as selected by Architect.

PART 3 - EXECUTION

3.01 UNIT HEATERS

A. Provide piping controls and accessories for heaters per drawing plans, details and legends.

3.02 CABINET HEATERS

A. Provide controls and accessories for heaters per drawing plans, details and legends.

3.03 ELECTRICAL WIRING

A. Provide electrical devices furnished loose by manufacturer and copy of manufacturer's wiring diagram submittal to Electrical Contractor for installation.

B. Verify that electrical wiring installation is in accordance with manufacturer's submittal and installation requirements of Division-16 sections.

3.04 ADJUSTMENT AND CLEANING:

A. Clean unit exposed surfaces, vacuum clean terminal coils and inside of cabinets.

B. Retouch any marred or scratched surfaces of factory-finished cabinets, using finish materials furnished by manufacturer.

C. Install new filter units for terminals requiring same.

D. Provide start-up of equipment for testing any balancing work.

END SECTION

SECTION 15880
AIR DISTRIBUTION

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

A. Drawings and general provisions of Contract, including General and Supplementary Conditions and General Requirements Division Specifications sections, apply to work of this section.

B. Requirements of the MECHANICAL BASIC MATERIALS AND METHODS section applies to the Work specified in this Section.

1.02 AIR SYSTEMS

A. Provide heating and cooling system.

B. Provide ventilating system.

C. Provide exhaust systems.

1.03 SHOP DRAWINGS

A. Provide 1/4" scale shop drawings for all duct systems.

PART 2 - PRODUCTS

2.01 SYSTEMS SUPPLY AND/OR RETURN AIR FANS

A. Provide each system fan and accessories per drawing schedule, plans, and details.

2.02 KITCHEN EXHAUST HOOD SYSTEMS

A. Provide each system exhaust hood and accessories per drawing schedule, plans, and details.

B. Provide control systems to include electrical and gas valves safety systems.

C. Provide fire suppression system to include testing and certification.

2.03 VENTILATION MAKE-UP AIR UNITS

Provide package ventilating unit and accessories per drawing schedule, plan, and details.

2.04 AIR FILTERS

A. Provide each system central air filters and accessories per drawing schedules, plans and details.

B. Provide two (2) sets of filters for each system.

2.05 PLENUM LINING

A. Provide systems plenums with fiberglass lining where shown on the drawing plans and elevations.

B. Liner shall be 2" thick, 3 pcf or 6 pcf density as indicated, semi rigid board bonded with thermosetting resin and coated one side with fire resistant coating.

C. Liner shall be supplied by Owens-Corning, CertainTeed or Knauf.

2.06 EXHAUST FANS

A. Provide roof mounted fans with accessories per drawing schedule, plans and details.

Provide ceiling mounted fans with accessories per drawing schedule, plans and details.

2.07 AIR VOLUME REGULATORS

A. Provide air volume regulators per drawing schedule, plans and details.

2.86 GRILLES AND DIFFUSERS

A. Provide grilles and diffusers per drawing schedule, plans and details.

2.09 FLUES

A. Provide flues and accessories for gas fired equipment requiring venting.

B. Flues shall be of the Class, Model and with the accessories as described in Legends on Drawings relating to the above Sections.

2.10 CURBS

A. Provide curbs for all roof openings.

B. Certain items of equipment shall have curbs furnished by the equipment manufacturer.

C. All other openings shall have insulated, prefabricated curbs of galvanized steel construction, Pate or Thy-curb.

D. Curbs shall be sized to fit equipment base.

2.11 FLEXIBLE DUCTWORK

A. Provide flexible ductwork per drawing plans and details.

B. Ductwork shall be flexible aluminum ducting factory tested to 12" W.C. without leakage. Flexmaster type "NITL" triple-lok flexible aluminum air duct or equal shall be used.

2.12 FLEXIBLE CONNECTIONS

A. Provide 1 lb. density loaded vinyl flexible connectors for all items of rotating fan equipment.

2.13 PREFABRICATED DUCTWORK

A. Provide prefabricated round and oval ductwork with spiral or longitudinal seams.

Duct Construction for 2" W.C.

Duct Diameter (Inches)	Spiral Seam Gauge		Longitudinal Seam Gauge	
	Galv. Steel	Alum.	Galv. Steel	Alum.
Up to 14"	26	.025"	24	.032"
15" to 26"	24	.032"	22	.040"
28" to 36"	22	.040"	20	.050"
38" to 50"	20	.050"	18	.063"
52" to 60"	18	.063"	16	.071"

B. Sleeves, collars, fittings, etc. shall be off a wall thickness not less than that specified for longitudinal seam straight duct unless certified testing data indicates suitability and is submitted to Engineer for review.

2.14 DIFFUSER PLENUMS

A. Provide diffuser plenums as shown on drawing plans and details.

2.15 DUCT LINING

A. Provide ductwork with fiberglass lining where indicated on the drawings the symbols or notes.

B. Lining shall be 1-1/2" inch thick, 3.0 pcf density, flexible, with fire resistant coating to bond the air side surface of the fibers or as required by local codes.

C. Fire hazard classification - ASTM E-84-70 test method, 25 flame spread, 50 smoke developed.

D. Lining shall be supplied by Owens-Corning, CertainTeed or Knauf.

2.16 VIBRATION ISOLATION

A. Provide vibration isolation for all fan equipment per drawing plans and details.

PART 3 - EXECUTION

3.01 SYSTEMS SUPPLY AIR FANS

A. Fans shall be installed on a welded steel frame mounted on and fastened down to the floor with vibrator isolators between the frame and the fan base.

3.02 FILTERS

A. Install filter housings in system plenums and provide transitions or baffles to prevent air by-pass.

B. Install filters before any system is put in operation.

3.03 PLENUM LINING

A. Adhere liner with a full coat of adhesive and mechanical fasteners.

B. Exposed edges shall be finished with trowel applied mastic to prevent any possibility of erosion. Mastic to have same fire hazard classification as liner.

3.04 EXHAUST FANS

A. Fasten roof mounted fans to curbs six (6) inches on centers using hex head screws and washers.

B. Suspend ceiling mounted fans from the underside of the structural framing. Provide vibration isolators.

3.05 GRAVITY DAMPERS

A. Where gravity dampers are installed this contractor shall lubricate the hinges and be responsible for operation in use.

3.06 AIR VOLUME REGULATORS

A. Controls will be factory mounted and shall become the responsibility of this contractor for proper operation after installation.

3.07 GRILLES AND DIFFUSERS

A. Install accessory dampers in the full open position.

B. It shall be the responsibility of this contractor to assure that all dampers are full open before air balancing is performed.

3.08 ACCESS DOORS

A. Install access doors in the building construction where shown on the drawing plans and where required to access concealed equipment.

B. Coordinate installation with the General Contractor.

3.09 FLUES

A. Submit drawings from the manufacturer of the flue system including connections to the equipment, flue supports, roof penetration and flue cap.

B. Do not order flues until drawings are approved.

3.10 CURBS

A. Coordinate installation of curbs with the General Contractor.

B. Install steel plates and accessories as required for ductwork or equipment connections.

C. General Contractor will provide shimming level of curbs, fastening of curbs to roof construction and roof flashing.

3.11 DIFFUSER PLENUMS

A. Plenums will be received with factory applied finish. It shall be the responsibility of this contractor to protect that finish.

B. If in the opinion of the Architect's site inspector the finish is not acceptable when ready to be turned over to the Owner, the damaged plenum sections will be removed and replaced.

3.12 FLEXIBLE DUCTWORK

A. Apply mastic duct sealant to rigid duct and device to which connection is being made before installing flexible duct.

B. Fasten flexible ductwork with #8 screws minimum 6" on center. Drawband type compression fasteners shall not be used.

C. Coat screws with mastic sealer after tightening.

D. Apply two layers of Nashau #357 duct tape over screws and juncture of ductwork.

3.13 FLEXIBLE CONNECTIONS

A. Apply mastic duct sealant to rigid duct and device to which connection is being made before installing flexible connector.

B. Fasten flexible connector to rigid ductwork with #8 screws minimum 6" on center.

C. Coat screws and juncture with mastic sealer after tightening.

3.14 PREFABRICATED DUCTWORK

A. Where connections in oval and round ducts are not made up with flanges, a male end coupling shall be used. "United" duct sealer, or approved equal, shall be applied to the male end before insertion or immediately after it is started, approximately 1/2 inch. Push fitting or pipe to coupling bead stop. Drill and install solid pop rivets, as required, a minimum of 1/2 inch from the coupling bead stop. After other end of coupling is inserted, sealed and riveted as above, apply duct sealer in a minimum of 2" wide band, making sure rivet heads and the joint gap are covered. Apply a single wrap of Nashua No. 357, or approved equal, duct tape over the wet sealer. Do not apply sealer over the tape. Samples of the duct sealer and tape, including specification sheets, shall be submitted to the Engineer for approval.

B. Where ductwork is exposed in occupied areas, it shall be installed neat and clean. Fragmented ends, i.e., field cuts will not be accepted. All such ductwork shall be field measured and factory cut to length. Sealant will be applied only to the interior surfaces of connecting pieces. Any sealant exposed shall be removed with the proper solvent.

3.15 SHOP FABRICATED DUCTWORK

A. Ductwork shall be installed and sealed only in accordance with the note on the drawings. Any other procedure whether recommended by the manufacturer or not is unacceptable.

B. Sealant shall be applied to joints and seams during fabrication. Not at the site installation.

C. Where ductwork is exposed in occupied areas, it shall be installed neat and clean. Fragmented ends, i.e. field cuts will not be accepted. All such ductwork shall be field measured and shop cut to length. Sealant will be applied only to the interior surfaces of connecting pieces. Any sealant exposed shall be removed with the proper solvent.

3.16 DUCT LINING

A. Lining shall be installed in accordance with manufacturer's instructions for 2000 fpm.

B. A full coat of adhesive shall be used whether recommended or not. Edges shall be finished with trowel applied mastic.

3.17 DUCTWORK

A. Provide ductwork systems per drawing plans and details.

B. The following duct systems shall be constructed for 2" w.c.
1. All supply air ductwork - galvanized steel.
2. All return air ductwork - galvanized steel.
3. All exhaust ductwork - galvanized steel.
4. All moisture laden air ductwork - aluminum or stainless steel.
5. All corrosive laden air ductwork - aluminum or stainless steel.
6. All grease laden air ductwork - black iron or stainless steel.

C. Duct construction for 2" w.c.
1. All ductwork shall be neat, accurate, mechanically tight and rigidly constructed. Offsets of exposed ductwork shall be made on side opposite to walls and ceilings, unless otherwise shown or specified. All uninsulated panels wider than 12 inches shall be cross-broken.
2. Ductwork shall be constructed of new galvanized steel sheets of lock-forming quality. Ends of all sheets which are not perfectly square shall be so trimmed in shop before layout is begun. Gauges shall be not less than those shown as follows:

Largest Dimension (Inches)	USS Gauge	Alum. Gauge
Up to 12	26	.027"
13 to 30	24	.035"
31 to 60	22	.043"
61 to 90	20	.052"

a. All casings and plenum chambers shall be constructed of 18-gauge material, with standing seams, and framed with 1-1/2" x 1-1/2" x 1/8" galvanized angles.
b. All ductwork exposed to outside weather shall be an 18 gauge regardless of dimensions.
3. Longitudinal seams of rectangular ductwork shall be either Pittsburgh lock, double or grooved. Only one type of seam shall be used in each run of duct. Longitudinal seams of round duct shall be grooved. Button punch snap lock seams are not acceptable.
4. Transverse joints of rectangular duct shall be as follows:
a. Less than 18 inches - Pocket, bar or S slip and drive slips.
b. 19 to 24 inches - 3/4 inch pocket or bar slip and drive slip.
5. Drive slips shall be used on short sides of transverse duct joints if side is less than 24 inches. Metal and gauge of S slips and drive slips shall be same as duct. Ends of drive slips shall be bent over at least 1/2 inch at corners. Bar slips shall be fastened with sheet metal screws on 12-inch centers. Corners of all bar slip joints shall be folded over and riveted. Pocket slips shall be riveted to duct on 6-inch centers, and corners shall be overlapped and riveted.
6. All fasteners, such as sheet metal screws, machine screws, or rivets shall be cadmium-plated for galvanized duct.
7. All ducts over 18 inches wide shall be provided with transverse stiffeners of either joint slips or bracing angles on centers of not over 4'-0" for ducts up to 60" wide on the long side and not over 2'-0" for ducts with long side exceeding 60" width.
8. Fittings shall be constructed as detailed on the Drawings.
9. Where it is necessary because of structural reasons to change shapes of ducts, the Architect will be notified immediately for resizing or rerouting. Equivalent areas must be maintained.
10. Where radius elbows or takeoffs are indicated, the inside radius shall not be less than three-quarters of the width of the duct or takeoff. Where diverging changes are made in duct sizes in the direction of the air flow, they shall be at a slope of 1 in 4.
11. All transverse joints shall be sealed. Use liquid sealant on flat surface and mastic sealer at the corners.
12. All ductwork shall be tested at 2 inches water column with 5% allowable leakage. Test in sections and mark tested sections as specified for medium pressure ductwork.
13. Refer to drawing details for sealant application during fabrication and field installation.
14. Paint inside of all ductwork with flat black paint where visible through grille, diffuser, louver, etc.

D. Dishwasher exhaust ductwork shall be stainless steel with continuous liquid tight seams and joints.

E. Kitchen hoods exhaust ductwork shall be 16 gauge black iron with continuously welded liquid tight joints and seams with both sides of all welds painted with zinc chromate primer. Provide access panels in ductwork at each change in direction and every 20'-0" on horizontal runs. In horizontal sections the lower edge of the access panel shall be not less than 1-1/2" from bottom of duct. Access panel shall be of 16 gauge galvanized steel with 1/8" ceramic fiber insulation.

3.18 INSULATION

A. Provide ductwork and equipment insulation as per Section 15250.

B. Black iron kitchen exhaust hood ductwork insulation shall be Thermal Ceramic Firemaster XL Blanket ASTM-E-2336, (2) layers of 1-1/2" thick, 8.0 lb per cubic foot density ductwrap blanket with overlap joints and secured with stainless steel banding with a fire rating of two hours. Also provide a 0.016" aluminum jacket with moisture barrier lock seams for exterior applications.

3.19 TURNING VANES

A. Vanes shall be airfoil vane type.

3.20 VOLUME DAMPERS

A. Where "VD" is indicated on the Drawings, install a volume damper of the opposed blade type, maximum 4" blade width with nylon bearings. Provide an external locking quadrant. Score the end of the shaft in the direction of air flow when wide open.

B. END SECTION

SECTION 15950
AUTOMATIC TEMPERATURE CONTROLS

PART 1 - GENERAL

1.01 RELATED Documents

A. Drawings and general provisions of Contract, including General and Supplementary Conditions and General Requirements Division Specification sections, apply to work of this section.

B. Requirements of the MECHANICAL BASIC MATERIALS AND METHODS section applies to the Work specified in this Section.

1.02 DESCRIPTION OF WORK

A. Sequence of operation is hereby defined as the manner and method by which controls function. Requirements for each type of control system operation are specified in this section.

B. Operating equipment, devices and system components required for control systems are specified in other Division-15 Controls' sections of these specifications.

C. This Section defines the installation of the automatic temperature controls required as shown on the Drawings and as hereinafter specified.

1.03 DEFINITIONS

A. ATC is Automatic Temperature Controls.

B. OPEN for motorized dampers, the position of the blades that creates the maximum free area possible of the damper which allows passage of air.

C. CLOSE for motorized dampers, the position of the blades that prevents any passage of air.

D. MAXIMUM for motorized dampers, the position of the blades other than open where the blades are adjusted to give the required maximum CFM.

E. MINIMUM for motorized dampers, the position of the blades other than close where the blades are adjusted to give the required minimum CFM.

F. ENABLED shall be the condition where the equipment is energized and/or otherwise activated to a stand-by state awaiting control signals from the ATC system.

G. DISENABLED shall be the condition where the equipment is de-energized.

H. ON shall be the condition where the equipment is operating and producing the desired effect.

I. OFF shall be the condition where the equipment is not operating and is standing by in an idle state.

2.04 ELECTRICAL WIRING

A. All electric wiring and wiring connections required for the installation of the ATC, herein specified, shall be provided by the ATC Manufacturer unless specifically shown on the Electrical Drawings or called for in the Electrical Specifications. All wiring shall comply with the requirements of Section 16000 - ELECTRICAL of the Specification.

2.05 SHOP DRAWINGS

A. Shop Drawings of the following are required:
1. All ATC control components.
2. ATC system diagrams coordinated to include provision for future interface where specified.
3. Control drawings with detailed piping and wiring diagrams, including bill of material and description of operation for all systems. Drawings shall by 22" x 34" standard size and shall be made from 22" x 34" reproducible mylars.
4. Panel layouts and nameplate lists for all local panels, with panel dimensions.
5. Valve and damper schedules showing size, configuration, capacity and location of all equipment.

Data sheets for all control system components.

2.06 CONTROL DEVICES

A. Standard Room Electronic Thermostat:
1. The room thermostat shall consist of thermistor type of resistance temperature detector with a high reference resistance and built-in recalibration means. Or the thermostat shall consist of solid-state platinum resistance temperature detector with a high reference resistance. All thermostats shall have exposed adjustable set-point and mercury or dial indicating thermometer on the cover unless noted otherwise. Provide clear plastic guard with key lock for each thermostat.

B. Electronic Programmable Thermostat:
1. The electronic programmable thermostat shall consist of the same type of resistance temperature detector as the "Standard Room Electronic Thermostat." The thermostat shall be programmable at the face and have minimum two (2) settings per day, seven (7) day programming steps and skip-a-day features. The programmable information shall be maintained indefinitely, and the time of day and day of week shall be maintained for minimum eight (8) hours during power failure. Provide clear plastic guard with key lock for each thermostat.

2.07 CONTROLLED DEVICES

A. Dampers:
1. Damper operators for all automatic dampers shall be unidirectional spring return type. Provide all dampers for normally closed position. Damper operators shall be installed outside of the ductwork and connected to an extended shaft.
2. Electric damper operator shall be direct coupled over the shaft, electric type operating on 24 volt, single phase power supply. Damper operator shall be gear driven with spring return and reversible rotation. Damper operator motor shall be resistant to overload burn-out. Proportional damper operator shall be compatible with 0-10 VDC and 4-20 mA control system signal and modulate damper in proportion to the input control signal. Two position operator shall rotate completely upon receipt of the control signal and return to normal position upon interruption of the control signal. Provide end switched for control of associated equipment and with manual override feature. Damper operator shall be Belimo Series or equal.

2.08 SUPERVISION

A. The Automatic Temperature Control Installer shall supervise the complete installation of all temperature control devices.

2.09 INSTRUCTIONS

A. Upon completion of the project, the ATC Manufacturer shall:
1. Completely adjust, ready for use, all thermostats, controllers, valves, damper operators, relays, time clocks, etc. In addition, calibrate each instrument and control loop, and indicate the settings for each controller on the "as-built" drawings.
2. Furnish two (2) manuals consisting of complete approved submittal data covering the function and operation of the entire ATC system on the project for the use of the Owner's operating personnel. A Temperature Control Technician shall be provided for instruction purposes during the guarantee period, after an initial session of 8 hours.
3. The ATC Manufacturer shall provide the services of a qualified Technician for the system start-up and air balancing periods.

2.10 GUARANTY

A. The Automatic Temperature Control Contractor shall guaranty all materials and labor to be free of defects of any kind for a period of one year after final acceptance by the Engineer and Owner. Any defects found during this period shall be repaired or replaced by the ATC Contractor at no expense to the Owner.

PART 3 - EXECUTION

3.01 TEMPERATURE CONTROL

A. Provide a complete system of temperature and operating controls, wiring, conduit, piping and devices as required for the sequences described in SEQUENCE OF OPERATION.

3.02 SEQUENCE OF OPERATION

A. Rooftop Units:
1. Provide heating and cooling programmable wall thermostat or central network control with remote wall temperature sensors, per drawings. Install remote temperature controls where shown on plans.
2. Provide engraved name tags with the rooftop unit tag name on the thermostats, central network control, and remote sensors.
3. Rooftop unit's internal controls shall control the staging of the economizer cooling stage, the mechanical cooling, and the gas heating systems.
4. Provide initial programming of the central network control for the days of week and hours of day which the system will function in the "Occupied Mode" and function in the "Unoccupied Mode."
5. Supply fan shall run continuously during "Occupied Mode" and intermittently during "Unoccupied Mode."

B. Exhaust Fans - General and Toilets:
1. Provide interlock between rooftop unit, supply fan motor, and the motor of the exhaust fan. Supply fan on, exhaust fan on; supply fan off, exhaust fan off.
2. Provide all wiring, conduits, etc. for a complete operating system.
3. Interlock exhaust fan with rooftop HVAC unit serving the area.

C. Cabinet Heaters & Unit Heaters:
1. Units have wall mounted remote thermostat with set-point adjustment.
2. Thermostat shall activate unit when space temperature falls below set-point.

END SECTION

SECTION 15991
AIR SYSTEMS TESTING, ADJUSTING, AND BALANCING

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

A. Drawings and general provisions of Contract, including General and Supplementary Conditions and General Requirements Division Specification sections, apply to work of this section.

B. Requirements of the MECHANICAL BASIC MATERIALS AND METHODS section applies to the Work specified in this Section.

1.02 DESCRIPTION

A. Work includes: Test, adjust, and balance air systems.

1.03 JOB CONDITIONS

A. Heating, ventilating, air conditioning equipment shall be completely installed and in continuous operation as required to accomplish the adjusting and balancing work specified. Complete air balancing prior to hydronic balancing.

B. Perform adjusting and balancing when the system is operating at design capacity.

1.04 QUALITY ASSURANCE

A. Only qualified personnel shall perform balancing work.

B. Submit evidence that the personnel who will perform the balancing of the project systems are qualified personnel for review and approval by the Architect/Engineer prior to performing the work.

C. The balancing contractor shall be completely independent of the installing contractor. Any form of association is unacceptable. Documented proof of independence by the balancing contractor is required.

1.05 DEFINITION

A. Qualified personnel are:
1. Personnel who have been certified by one of the following organizations:
a. AABC - Associated Air Balance Council
b. Certified TBAB - Certified Testing, Balancing and Adjusting Bureau.

1.06 SUBMITTALS

A. Submit Data Sheet on each item of balancing equipment required for Architect/Engineer approval. Include name of device, manufacturer's name, model number, latest date of calibration, and correction factors.

B. Submit a report containing all data and other retated information recorded during balancing, placed on appropriate forms for Architect/Engineer review and approval. Reports shall certify that the methods used and results achieved are as specified.

1.07 VERIFICATION

A. During Substantial Completion Inspection, a percentage (not more than 5%) of the recorded data will be subject to verification by the Architect/Engineer. Contractor shall take instrument readings as required.

PART 2 - PRODUCTS

2.01 AIR BALANCE INSTRUMENTS

A. Velometer with probes and Pitot tube.

B. Rotating vane anemometer.

C. ASHRAE Standard Pitot tubes, stainless steel 5/16 outside diameter, lengths 18" and 36".

D. Magnehelic Differential Air Pressure Gages, 0 to 0.5", 0 to 1.0" and 0 to 5.0" water pressure ranges, each arranged as a portable unit for use with a standard Pitot tube.

E. Combination inclined-vertical portable manometer, range 0 to 5.0" water.

F. Portable type hook gage, range 0 to 12" water.

G. Portable flexible U-tube manometer, magnetic mounting clips, range 0 to 6" water.

H. Static Pressure Probe for Induction Unit.

I. Conical or pyramidal shaped hood.

2.02 SYSTEM PERFORMANCE MEASURING INSTRUMENTS

A. Insertion thermometers, with graduations at 0.5°F.

B. Sling Psychrometer.

C. Tachometer, Centrifugal Type.

D. Revolution Counter.

E. Clamp-On Volt Ammeter.

F. Recorders, Portable Type for temperature and humidity.

G. Portable Orsat Flue-Gas Analyzer for measuring CO2.

PART 3 - EXECUTION

3.01 AIR SYSTEMS (Adjust and balance systems in accordance with the following requirements):

A. Preliminary:
1. Identify and list size, type and manufacturer of all equipment to be tested, including air terminals. Check all system components for proper installation and operation.
2. Use manufacturers' ratings for all equipment to make required calculations, except where field test shows ratings to be impractical.
3. Verify that all instruments are accurately calibrated and maintained.
4. Install clean filters.
5. Simulate wet cooling coil with baffles.

B. Central System:
1. Adjust and record supply return fan RPM to design requirements within the limits of mechanical equipment provided.
2. Test and record motor voltage and running amperes including motor nameplate data and starter heater ratings.
3. Make Pitot tube traverse of main supply, exhaust and return ducts, determine and record CFM at fans and adjust fans to design CFM.
4. Record system static pressure, suction and discharge.
5. Adjust system for design outside air, CFM.
6. Adjust systems for design re-circulated air, CFM.
7. Record heating apparatus entering air temperatures, dry bulb in degrees F.
8. Record cooling apparatus entering air temperatures, dry bulb and wet bulb in degrees F.
9. Record heating apparatus leaving air temperatures, dry bulb in degrees F.
10. Record cooling apparatus leaving air temperatures, dry bulb and wet bulb in degrees F.

C. Distribution: Adjust zones or branch ducts to design CFM, supply and return. Adjust air regulators.

D. Air Terminals (Diffusers and Grilles):
1. Identify each air terminal on reports as to location and determine required flow reading.
2. Adjust each air terminal to design requirements.
3. Balance procedure on air terminals shall include comparison of required FPM velocity and observed velocity, adjustment of terminal, and comparison of required CFM and observed CFM after adjustment.
4. Adjust flow patterns from air terminal units to minimize drafts to extent design and equipment permits.

E. Verification:
1. Prepare summation of readings of observed CFM for each system. Compare with required CFM. Determine coil and filter static pressure drops.
2. Verify design CFM at fans as described in 3.01-B-3 above.

3.02 Refrigeration Capacity Tests

A. Conduct refrigeration capacity test on direct expansion assembly during a period of stable operation.

B. Verify settings of safety and operating controls.

C. Make three trial observations, record readings of:\
1. Compressor power input readings of volts and ampere in each phase, accurate to nearest 100 VA.

D. Performance Report:
1. Use readings to calculate tons of refrigeration capacity along with power input required for that capacity and compare with manufacturer's ratings to determine percent effectiveness.

3.03 Electric Heating Equipment

A. Test and record voltage and amperage readings at each electric heater while fully energized.

3.04 AUTOMATIC CONTROL SYSTEM

A. The temperature control manufacturer's representative will set and adjust automatically operated devices to achieve required sequence of operations.

B. Balancing organization shall verify all controls for proper calibration and list those controls requiring adjustment by temperature control system installer.

3.05 ADJUSTING

A. Adjust air quantities to follwing tolerances:
1. Each outlet: plus or minus 5%.
2. Each room with multiple outlets: 0% to plus 5%.
3. Fans: 0% to plus 5%.
4. Adjust or change fan drives, sheaves, and belts as required to accomplish required air quantity.
5. Allowance shall be made for air filter resistance at time of tests. Main air supply to be at design air quantity at pressure drop across filter banks midway between pressure drop for clean and dirty filter.
6. After completion of balancing, operate all systems and equipment under normal working conditions for three (3) consecutive days and submit air balancing report.

3.06 WORK PERFORMANCE BY OTHERS

A. The temperature control manufacturer's contractor representative will be present during balancing to set and adjust automatically operated devices to achieve required sequence of operations.

B. The mechanical contractor representative will be present during balancing for assistance with equipment operation, filter changes and minor repairs.

C. The temperature control manufacturer's contractor and the mechanical contractor shall provide changes, repairs, adjustments, etc as required by the Test and Balance Agency reported deficiencies.

3.07 SUBMISSION OF REPORTS

A. Fill in balancing results on approved forms.

B. Submit three (3) certified copies of required Reports to the Architect and Engineer for review.

C. Include in Reports a list of instruments used and last date of calibration.

D. END SECTION

ISSUE FOR PROGRESS

NO	DATE	DESCRIPTION
1	04.25.25	ISSUE FOR PERMIT

WCW Engineers, Inc.
760 Creel Drive
Wood Dale, Illinois 60191
Tel: 630/595-8802
Fax 630/595-8818
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STATE OF MISSOURI
JOSEPH G. THOMAS
NUMBER E-27428
REGISTERED PROFESSIONAL ENGINEER

CERTIFICATION:

ANCHO & AGAVE
SUMMIT FAIR SHOPPING CENTER
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MECHANICAL SPECIFICATIONS

JOB NO:	SHEET NO:
ANCHO - SUMMIT FAIR	M5.2
DATE: 04.25.2025	

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GENERAL- KITCHEN

DUCTS

1. MATERIAL SELECTION:
   1.1. EXHAUST DUCTS SERVING TYPE I HOODS MUST BE A MINIMUM 16 GA. STEEL OR 18 GA. STAINLESS STEEL.
   1.2. EXHAUST DUCTS SERVING TYPE II HOODS MUST BE A MINIMUM OF 18 GA. ALUMINUM OR 18 GA. STAINLESS STEEL.

2. JOINTS AND SEAMS OF HOOD EXHAUST DUCTS SHALL BE MADE WITH A CONTINUOUS LIQUID-TIGHT WELD OR BRAZE. VERIFY IF A GREASE WELD INSPECTION IS REQUIRED PRIOR TO INSTALLATION OF FIRE WRAP.

3. GREASE DUCT MUST HAVE A MINIMUM AIR VELOCITY OF 1500 FT/MIN.

4. HORIZONTAL GREASE DUCTS MUST HAVE CLEANOUTS NO GREATER THAN 20 FEET APART.

5. GREASE DUCT SYSTEMS SERVING A TYPE I HOOD SHALL HAVE A CLEARANCE TO COMBUSTIBLE CONSTRUCTION OF NOT LESS THAN 18". WHERE COMMERCIAL GREASE DUCTS ARE CONTINUOUSLY COVERED ON ALL SIDES WITH A LISTED AND LABELED FIELD-APPLIED GREASE DUCT ENCLOSURE MATERIAL, SYSTEM, PRODUCT OR METHOD OF CONSTRUCTION SPECIFICALLY EVALUATED FOR SUCH PURPOSE IN ACCORDANCE WITH ASTM E 2336, THE REQUIRED CLEARANCE SHALL BE IN ACCORDANCE WITH THE LISTING OF SUCH MATERIAL, SYSTEM, PRODUCT OR METHOD.

HOODS

1. ALL COMMERCIAL COOKING EQUIPMENT MUST HAVE A TYPE I OR TYPE II HOOD.

2. ALL COMMERCIAL COOKING EQUIPMENT THAT PRODUCES GREASE OR SMOKE MUST HAVE A TYPE I HOOD.

3. TYPE I HOOD SYSTEMS SHALL BE DESIGNED AND INSTALLED TO AUTOMATICALLY ACTIVATE THE EXHAUST FAN WHENEVER COOKING OPERATION OCCURS.

4. TYPE I HOODS SHALL BE CONSTRUCTED OF MINIMUM 18 GA. STEEL OR 20 GA. STAINLESS STEEL.

5. TYPE II HOODS SHALL BE CONSTRUCTED OF MINIMUM 22 GA. STEEL OR 24 GA. STAINLESS STEEL.

6. CANOPY HOODS MUST EXTEND 6" BEYOND THE EDGE OF THE COOKING SURFACE.

7. EXHAUST OUTLETS FROM A HOOD SHOULD BE LOCATED OPTIMALLY BUT NOT MORE THAN 12 FEET ON CENTER.

8. KITCHEN HOODS SHALL BE PROVIDED WITH A HEAT SENSOR TO AUTOMATICALLY ACTIVATE KITCHEN HOOD EXHAUST FANS.

9. A PERFORMANCE, CAPTURE AND CONTAINMENT TEST SHALL BE PERFORMED ON KITCHEN EXHAUST HOODS IN ACCORDANCE WITH APPLICABLE CODES PRIOR TO FINAL INSPECTION.

MAKE-UP AIR

1. VENTILATION UNITS PROVIDING MAKE-UP AIR SHALL BE INTERLOCKED WITH HOOD EXHAUST FAN TO PROVIDE MAKE-UP AIR THAT IS APPROXIMATELY EQUAL TO THE VOLUME EXHAUSTED.

EXHAUST TERMINATION

1. NO EXHAUST MAY TERMINATE WHERE IT CREATES A PUBLIC NUISANSE OR A FIRE HAZARD.

2. TYPE I EXHAUST DUCTS MUST NOT TERMINATE IN WALLS WHERE PROTECTED OPENINGS ARE REQUIRED OR WITHIN 15 FEET HORIZONTALLY OF ANY BUILDING OPENING.

SECTION 15060
PIPE, PIPE FITTINGS AND PIPE SPECIALTIES

1. SEE P6.1 SHEET.

END SECTION.

SECTION 15400 PLUMBING

1. SEE P6.1 SHEET.

END SECTION.

ISSUE FOR PROGRESS

OWNER RELEASE: I HAVE REVIEWED THESE DRAWINGS FOR DESIGN INTENT AND HEREBY CERTIFY THAT THEY CONFORM IN ALL RESPECTS TO MY DESIGN CRITERIA AND ARE APPROVED.

BY_____ DATE_____

THESE DRAWINGS MAY HAVE BEEN REPRODUCED AT A SIZE DIFFERENTLY THAN ORIGINALLY DRAWN. OWNER AND ARCHITECT ASSUME NO RESPONSIBILITY FOR USE OF INCORRECT SCALE.

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH CONSTRUCTION AND NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR CONFLICTS.

NO	DATE	DESCRIPTION
1	04.25.25	ISSUE FOR PERMIT

WCW Engineers, Inc.
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STATE OF MISSOURI
JOSEPH G. THOMAS
NUMBER E-27428
REGISTERED PROFESSIONAL ENGINEER

CERTIFICATION:

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MECHANICAL SPECIFICATIONS

JOB NO:	SHEET NO:
ANCHO - SUMMIT FAIR	M5.3
DATE: 04.25.2025	

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EXISTING CONDITIONS NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD SURVEY AND DOCUMENTING OF EXISTING SYSTEMS. THESE CONTRACT DRAWINGS SHALL SERVE AS GUIDANCE FOR THE CONTRACTOR ALONG WITH FIELD SURVEY INFORMATION TO INSTALL THE DISTRIBUTION SYSTEMS REQUIRED FOR THE NEW EQUIPMENT AND DEVICES.
2. REFER TO THE ARCHITECTURAL DRAWINGS FOR WALLS, CEILINGS, ETC. THAT ARE BEING REMOVED. ALL EXISTING SYSTEMS INCLUDING PIPING, WIRING, ANCHORING, ETC. THAT ARE EXPOSED SHOULD BE REMOVED OR RELOCATED.

THIS IS AN EXISTING BUILDING THAT WILL REQUIRE DEMOLITION, REMOVAL, RELOCATION, REPLACEMENT, RECONNECTION, ETC. OF SOME OF THE PLUMBING SYSTEMS. THE CONTRACTORS ARE REQUIRED TO VISIT THE SITE AND FULLY ACQUAINT THEMSELVES WITH THE EXISTING CONDITIONS AND THE DIFFICULTIES INVOLVED IN ACCOMPLISHING THE NEW WORK. PROBLEMS, DISCREPANCIES OR INFORMATION NEEDED SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER IN WRITING PRIOR TO SUBMITTING A PROPOSAL. THE SUBMISSION OF PROPOSAL WILL INDICATE THAT THE CONTRACTOR HAS FULLY UNDERSTOOD AND HAS INCLUDED ALL COSTS FOR THIS PROJECT.

DEMOLITION NOTES

1. ALL WORK SHALL CONFORM TO THE LOCAL & STATE BUILDING CODE AND ORDINANCES.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS PORTION OF THE WORK WITH OTHER PORTIONS OF THE WORK.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, AND SAFETY TO THE PUBLIC AND TO PROPERTY BOTH PRIVATE AND PUBLIC.
4. CONTRACTOR SHALL VISIT THE SITE TO BECOME FAMILIAR WITH THIS PORTION OF THE WORK.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING OF EXISTING MATERIALS RELATED TO THE INSTALLATION OF ANY NEW WORK, RELOCATION OF ANY WORK AND DEMOLITION WORK. NO CUTTING OF STRUCTURAL ELEMENTS SHALL BE DONE WITHOUT THE ARCHITECTS WRITTEN APPROVAL.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE REMOVAL OF ALL EXISTING EQUIPMENT AND DEVICES NOT REQUIRED FOR THE WORK AND NOT SHOWN AS EXISTING TO REMAIN AS INDICATED ON THE DRAWINGS. DRAWINGS ARE SCHEMATIC IN NATURE AND INDICATE MAJOR ITEMS OF EXISTING EQUIPMENT AND SYSTEMS. THE PLUMBING CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXTENT OF EXISTING EQUIPMENT AND DEVICES TO BE REMOVED. ALL SHUT DOWNS AND DEMOLITION SHALL BE PHASED AND COORDINATED WITH NEW WORK. DEMOLITION CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING SHUT DOWNS AND REMOVAL OF ITEMS WITH THE OWNERS PROJECT MANAGER.

FOOD SERVICE EQUIPMENT NOTES

1. FOOD SERVICE EQUIPMENT AND FIXTURES FURNISHED BY AND INSTALLED BY OTHERS; REFERENCE ARCHITECTURAL DRAWINGS FOR EQUIPMENT LOCATIONS AND REQUIREMENTS.
2. PROVIDE FINAL CONNECTIONS TO EQUIPMENT WITH SHUT-OFF VALVES, PRESSURE REGULATORS, VACUUM BREAKERS, BACKFLOW PREVENTERS, UNIONS (INSTALL UNION BETWEEN APPLIANCE AND SHUT-OFF), FLEXIBLE CONNECTORS, FILTERS, DIRT LEGS, TRAPS, STOP VALVES, ECT. AS SPECIFIED, AS REQUIRED BY CODE, AND AS NECESSARY TO COMPLETE AND OPERATING EQUIPMENT.
3. CONNECT WASTE LINES OR EXTEND WASTE LINES TO FLOOR DRAINS WITH AIR GAP, CONNECT WATER SUPPLIES AND CONNECT GAS SUPPLIES.
4. COORDINATE WITH GENERAL CONTRACTOR, OWNER AND FOOD SERVICE EQUIPMENT SUPPLIER/CONTRACTOR FOR EQUIPMENT IDENTIFICATION, CONNECTION REQUIREMENTS, EXACT LOCATIONS AND MOUNTING HEIGHTS.
   REFER TO EQUIPMENT LITERATURE FOR FINAL EQUIPMENT CONNECTION SIZE; GAS, CWS, HWS, ETC.
5. PROVIDE BACKFLOW PREVENTER TO DRINK DISPENSER, COFFEE BREWER, ICE MACHINE, DISHWASHING MACHINE, CARBONATOR, PRE-RINSE SPRAYER, SOAP DISPENSER ETC. AS REQUIRED BY LOCAL CODE.
6. WHERE CHEMICAL DISPENSERS ARE INSTALLED, THEY SHALL BE ON A DEDICATED WATER SUPPLY WITH BACKFLOW PREVENTERS AS REQUIRED BY LOCAL CODE.

FIRE SUPPRESSION GENERAL NOTES

1. PROVIDE ALTERATIONS AND MODIFICATIONS AS NECESSARY TO FURNISH AND INSTALL COMPLETE FIRE PROTECTION SYSTEM PER NFPA #13. THE SYSTEM SHALL COMPLY WITH ALL REQUIREMENTS OF LOCAL, STATE AND FEDERAL AUTHORITIES AND LANDLORD'S AND TENANT'S INSURING AGENCY.
2. ALL WORK SHALL BE IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE LOCAL FIRE PROTECTION DISTRICT AND WATER DEPARTMENT.
3. ALL AUTHORITIES HAVING JURISDICTION SHALL BE NOTIFIED AT LEAST THREE WORKING DAYS PRIOR TO COMMENCEMENT OF WORK.
4. PROVIDE AN AUTOMATIC WET PIPE SPRINKLER SYSTEM INCLUDING PIPING, HANGERS, VALVES, ALARMS, SUPPORTS AND SPRINKLER HEADS, NECESSARY AND AS REQUIRED FOR INSTALLATION OF COMPLETE AND APPROVED FIRE PROTECTION SYSTEMS.
5. WORK SHALL BE PERFORMED BY AN APPROVED AUTOMATIC FIRE PROTECTION SPRINKLER CONTRACTOR. SHOP DRAWINGS AND CALCULATIONS SHALL BE PREPARED BY A REGISTERED PROFESSIONAL ENGINEER. APPROVED CONTRACTOR AND THE CONTRACTOR'S REGISTERED ENGINEER SHALL BE LICENSED WITH THE PROPER AUTHORITIES FOR THE LOCATION OF THIS PROJECT.
6. PROVIDE A COMPLETE WET PIPE SPRINKLER SYSTEM FOR ALL AREAS, UNLESS OTHERWISE INDICATED OR REQUIRED FOR FREEZE PROTECTION.
7. SPECIAL CONSIDERATION SHALL BE GIVEN TO AREAS THROUGHOUT THE BUILDING SUCH AS DROPPED SOFFITS AND LIGHTING SOFFITS THAT NECESSITATE ADDITIONAL SPRINKLER HEADS.
8. RUN PIPING HORIZONTALLY AND AT RIGHT ANGLES TO WALLS AND CEILINGS. CENTER SPRINKLER HEADS IN BOTH HORIZONTAL DIRECTION WITH RESPECT TO CEILING COMPONENTS, SUCH AS CEILING GRID, LIGHT FIXTURES, HVAC DIFFUSERS AND SPEAKERS OR AS DIRECTED BY OWNER'S REPRESENTATIVE.
9. FIRE PROTECTION SYSTEM SHOP DRAWINGS SHALL INCLUDE SEPARATE AND COMPLETE REFLECTED CEILING PLANS INDICATING LOCATION OF EACH SPRINKLER HEAD AS WELL AS PIPING LAYOUTS.
10. PROVIDE AUXILIARY DRAINS WHERE NECESSARY.
11. REVISE AND REROUTE THE SPRINKLER PIPING AROUND LIGHT FIXTURES, GRILLES, AND OTHER CEILING DEVICES TO AVOID CONFLICTS.
12. FIRE PROTECTION CONTRACTOR SHALL FIELD VERIFY EXACT REQUIREMENTS FOR BUILDING REGARDING PIPE SIZES, ADEQUATE PRESSURES, SERVICE LOCATIONS, ZONING AND SUBMIT SHOP DRAWINGS TO THE AUTHORITIES FOR APPROVAL PRIOR TO FABRICATION OR INSTALLATION OF FIRE PROTECTION WATER SERVICE AND SYSTEMS.
13. AUTOMATIC SPRINKLERS SHALL BE OF THE OPERATING TEMPERATURE AS REQUIRED BY THE LOCATION WITH SPECIAL REGARD FOR HEATING UNITS. SPRINKLER PIPING SHALL ROUTE AROUND, PROVIDE PROPER CLEARANCES, AND AVOID CONFLICT WITH BUILDING EQUIPMENT AND SYSTEMS.
14. ALL PIPING SHALL BE ROUTED IN THE SUSPENDED CEILING SPACE, CONCEALED IN WALLS AND BEHIND FIXED FURNISHINGS, UNLESS OTHERWISE INDICATED. ALL PIPING EXPOSED TO VIEW SHALL BE ROUTED AS HIGH AS POSSIBLE AND TIGHT TO THE UNDERSIDE OF THE STRUCTURE.
15. REFER TO ARCHITECTURAL DRAWINGS OR CONSULT ARCHITECT FOR EXACT LOCATION OF FIXTURES, EQUIPMENT, ETC. AND FINAL FINISHED ELEVATIONS PRIOR TO ANY INSTALLATION WORK.
16. EXISTING SYSTEMS THAT REQUIRE RELOCATION AND SERVE EXISTING FIXTURES OR EQUIPMENT OR AREAS THAT MUST REMAIN ACTIVE, SHALL BE RELOCATED DURING OWNER SCHEDULED SHUT-DOWNS. TEMPORARY CONNECTIONS AND EXTENSIONS OF REQUIRED SYSTEMS SHALL BE PROVIDED AS NEEDED AND AT THE CONTRACTOR'S EXPENSE.
17. CONTRACTOR SHALL VISIT THE SITE AND DOCUMENT EXITING CONDITIONS WITHIN THE LIMITS OF DEMOLITION, PRIOR TO START OF ANY WORK. FORWARD TO ARCHITECT/ENGINEER, FOR REVIEW, ONE (1) COPY OF EQUIPMENT AND SYSTEMS BEING REMOVED BY DEMOLITION WORK AND NEW INSTALLATION WORK. LIMITS OF DEMOLITION AREA SHALL BE AS INDICATED ON DRAWINGS PREPARED BY THE ARCHITECTURAL CONSULTANT.
18. CAREFULLY REVIEW THE INTERIOR DESIGN, ARCHITECTURAL, STRUCTURAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL ITEMS TO BE REMOVED, RELOCATED, OR ACCOMMODATED; INCLUDE ALL COSTS IN BASE BID FOR THIS WORK.
19. NEW OR EXISTING EQUIPMENT SHALL NOT BE LOCATED ABOVE INACCESSIBLE CEILINGS. PROVIDE LOCATION OR RELOCATION OF EQUIPMENT TO AREAS ABOVE ACCESSIBLE CEILINGS AND RECONNECT EQUIPMENT TO SYSTEMS.
20. DRAINING AND REFILLING OF SYSTEMS AS REQUIRED FOR DEMOLITION AND/OR NEW INSTALLATIONS WORK, SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.
21. ALL SPRINKLERS IN CEILINGS SHALL BE WHITE CONCEALED PENDANT TYPE, EXACT LOCATIONS OF EACH AND EVERY SPRINKLER WILL BE APPROVED BY ARCHITECT AND OWNER. SUBMIT PRODUCTS AND SPRINKLER LOCATIONS TO ARCHITECT AND OWNER FOR APPROVAL PRIOR TO SHOP DRAWING PROCESS.
22. VERIFY ALL EXISTING REQUIRED SYSTEM COMPONENTS ARE IN PLACE AND OPERATIONAL. PROVIDE REPAIRS AND/OR ADD COMPONENTS AS REQUIRED BY AUTHORITIES TO ACHIEVE FULLY COMPLIANT AND OPERATIONAL SYSTEM.
23. DESIGN DENSITY FOR ALL AREAS SHALL BE 0.10 GPM FOR A 1500 SQ. FT. REMOTE AREA EXCEPT EQUIPMENT ROOMS, JANITOR ROOMS, STORAGE ROOMS, AND SUPPLY ROOMS WHICH SHALL BE 0.15 GPM FOR A 1500 SQ. FT. REMOTE AREA. VERIFY DENSITY AND COVERAGE REQUIREMENTS WITH AUTHORITIES.
24. PROVIDE AUTOMATIC SPRINKLER PROTECTION AT ELEVATOR SHAFTS AND EQUIPMENT ROOMS PER REQUIREMENTS OF AUTHORITIES TO INCLUDE VALVES, ALARMS, SWITCHES, DRAINS, ETC., VERIFY WITH AUTHORITIES.
25. PROVIDE AUTOMATIC SPRINKLER PROTECTION AT RECESSED WINDOW CEILING POCKETS IF REQUIRED BY AUTHORITIES.

PLUMBING SYMBOLS

—CWS—	COLD WATER SUPPLY PIPING
—HWR—	HOT WATER RETURN PIPING
—HWS—	HOT WATER SUPPLY PIPING
—IW—	INDIRECT WASTE PIPING/SEWER
—SAN—	SANITARY DRAINAGE & WASTE PIPING
—ST—	STORM DRAINAGE & WASTE PIPING
— — V — —	SANITARY VENT PIPING
BFP	BACKFLOW PREVENTER
DW	DISHWASHER
ET	EXPANSION TANK
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FS	FLOOR SINK
GW	GREASE WASTE
HCP	HOT WATER RECIRCULATION PUMP
HD	HUB DRAIN
HS	HAND SINK
IM	ICE MAKER
KS	KITCHEN SINK
LAV	LAVATORY
MB	MOP BASIN
PRV	PRESSURE REDUCING VALVE
SK	SINK
TD	TRENCH DRAIN
TMV	THERMOSTATIC MIXING VALVE
TP	TRAP PRIMER
UR	URINAL
WCO	WALL CLEANOUT
WC	WATER CLOSET
WH	WATER HEATER
AP	ACCESS PANEL
BOP	BOTTOM OF PIPE
CI	CAST IRON
CO	CLEANOUT
ETR	EXISTING TO REMAIN
GALV	GALVANIZED
INV. EL.	INVERT ELEVATION
NC	NEW CONNECTION
OFN	OVERFLOW NOZZLE
S	SANITARY
ST	STORM DRAIN
TP	TRAP PRIMER
V	VENT
VTR	VENT THRU ROOF
W	WASTE
	NEW CONNECTION
	LINE SIZE GATE VALVE
	LINE SIZE BALANCING VALVE
	LINE SIZE BALL VALVE (2" & SMALLER) OR LINE SIZE BUTTERFLY VALVE (2-1/2" & LARGER)
	LINE SIZE CHECK VALVE
	LINE SIZE GAS COCK VALVE
	LINE SIZE UNION

PLUMBING DRAWING INDEX

PLUMBING GENERAL NOTES

A. ALL WORK SHALL BE IN ACCORDANCE WITH ALL APPLICABLE RULES AND REGULATIONS OF LOCAL AUTHORITIES.

B. ALL AUTHORITIES HAVING JURISDICTION SHALL BE NOTIFIED AT LEAST THREE WORKING DAYS PRIOR TO COMMENCEMENT OF WORK.

C. ALL PIPING SHALL BE ROUTED IN THE SUSPENDED CEILING SPACE UNLESS OTHERWISE INDICATED. ALL PIPING EXPOSED TO VIEW SHALL BE ROUTED AS HIGH AS POSSIBLE AND TIGHT TO THE UNDERSIDE OF THE STRUCTURAL STEEL.

D. EXPOSED PIPING IN FINISHED AREAS SHALL BE CHROME PLATED WITH CHROME PLATED ESCUTCHEON AT PIPE ENTRY TO FINISHED AREA.

E. SLEEVE OR DRILL FLOOR SLABS, WALLS, ETC. AS REQUIRED FOR PIPING AND FIRE-STOP OPENING AROUND PIPE. VERIFY LOCATION OF STRUCTURAL BEAMS, JOISTS, ETC. BEFORE DRILLING.

F. ALL OPENINGS IN DRAINAGE AND/OR VENT SYSTEMS AS A RESULT OF INSTALLATION ROUGH-IN SHALL BE PROTECTED WITH A TEST PLUG THAT IS SECURELY LOCKED IN PLACE UNTIL FINAL FINISHED CONNECTIONS ARE INSTALLED.

G. ALL PIPING SHALL BE CONCEALED IN WALLS AND BEHIND FIXED FURNISHINGS UNLESS OTHERWISE INDICATED.

H. ALL PIPING SHALL RUN PARALLEL TO BUILDING LINES AND SUPPORTED AND ANCHORED AS REQUIRED TO FACILITATE EXPANSION AND CONTRACTION. ALL PIPING SHALL BE CONCEALED EXCEPT IN UNFINISHED SPACES. INSTALL AS REQUIRED TO MEET ALL CONSTRUCTION CONDITIONS AND TO ALLOW FOR INSTALLATION OF OTHER WORK INCLUDING DUCTS AND ELECTRICAL CONDUIT. AT ALL CONNECTIONS BETWEEN FERROUS PIPING AND NONFERROUS PIPING, PROVIDE AN ISOLATING DIELECTRIC UNION.

I. PROVIDE ALL FITTINGS, ACCESSORIES, OFFSETS, AND MATERIALS NECESSARY TO FACILITATE THE PLUMBING SYSTEM'S FUNCTIONING AS INDICATED BY THE DESIGN AND THE EQUIPMENT INDICATED.

J. PROVIDE A COMPLETE SYSTEM OF COPPER OR STEEL (OR DWV PVC IF ALLOWED BY CODE) VENT RISERS ABOVE FLOOR. ALL VENTS SHALL BE CARRIED THROUGH THE ROOF WITH FLASHING.

K. CONDENSATE AND INDIRECT DRAIN PIPING SHALL BE TYPE "M" COPPER TUBING.

L. PROVIDE CLEANOUTS AT THE END OF EACH HORIZONTAL RUN, AND AT THE BASE OF ALL VERTICAL WASTE AND DRAIN PIPES. CLEANOUTS SHALL BE OF THE SAME SIZE AS THE PIPES THEY SERVE.

M. HOT AND COLD WATER PIPING SHALL BE TYPE L COPPER PIPING ABOVE GRADE AND, FITTINGS AS REQUIRED BY LOCAL AUTHORITIES. PROVIDE WATER HAMMER ARRESTORS WADE "SKOKSTOP" MODEL NO. W-5 THROUGH W-100, SIZE AND LOCATION AS INDICATED BY MANUFACTURER. INSTALL STOP VALVE IN AN ACCESSIBLE LOCATION IN EACH WATER SUPPLY TO EACH FIXTURE. CHECK EXISTING WATER PRESSURE AND PROVIDE PRV WHEN WATER PRESSURE EXCEEDS 80 PSI.

N. INSULATE ALL HOT AND COLD WATER PIPING BOTH VERTICALLY AND HORIZONTALLY, IN CEILING BELOW ALL HANDICAPPED FIXTURES AND CONCEALED IN WALLS COMPLETELY. PROVIDE 1" PREFORMED FIBERGLASS ASJ-VB, FLAME SPREAD 25, SMOKE DEVELOPED 50, ASTM C-547.

O. ACCESS PANELS SHALL BE PROVIDED WHERE CONCEALED CONTROL DEVICES, VALVES, ETC. ARE CONCEALED WITHIN WALLS. WHERE ACCESS FOR ADJUSTMENT AND MAINTENANCE IS POSSIBLE THROUGH LAY-IN SUSPENDED CEILINGS, ACCESS PANELS ARE NOT REQUIRED.

P. THE DOMESTIC WATER SYSTEM, AND DRAINAGE SYSTEMS SHALL BE FLUSHED AND PRESSURE TESTED. THE DOMESTIC WATER SYSTEM SHALL BE PURIFIED.

Q. DRAINAGE PIPING ABOVE AND BELOW FLOOR SHALL BE SCHEDULE 40 PVC UNLESS OTHERWISE REQUIRED BY CODE. PROVIDE CAST IRON OR OTHER APPROVED MATERIAL ONLY WHEN REQUIRED BY JURISDICTION. CONTRACTOR SHALL CLEARLY IDENTIFY WHAT MATERIAL WAS BID AT THE TIME OF BID SUBMITTAL.

R. ALL FLOOR DRAINS SHALL BE CONNECTED TO THE SANITARY SEWER SYSTEM.

S. COORDINATE ALL SLAB PENETRATIONS WITH GENERAL CONTRACTOR PRIOR TO CONSTRUCTION. MAINTAIN A MINIMUM OF 2" CLEARANCE FROM THE EDGE OF THE SLAB OPENING TO ANY STRUCTURAL MEMBERS AND PIPES.

T. PIPE SIZES INDICATED ON THE PLANS ARE MINIMUM. THE CONTRACTOR SHALL PROVIDE PIPE SIZES EQUAL TO OR GREATER THAN THE SPECIFIED SIZES. THE CONTRACTOR MAY INCREASE PIPE SIZES AS REQUIRED AT NO ADDITIONAL EXPENSE TO THE PROJECT.

U. PROVIDE TEMPORARY COVERS, CAPS, OR PLUGS ON SANITARY SEWER SYSTEM THROUGHOUT THE DURATION OF CONSTRUCTION. RAG WADS, DUCT TAPE, OR OTHER SIMILAR METHODS OF TEMPORARY COVERS SHALL NOT BE UTILIZED. UPON COMPLETION OF CONSTRUCTION, COMPLETELY REMOVE ANY AND ALL OBSTRUCTIONS INSIDE THE ENTIRE SYSTEM BY SNAKING, RODING, OR JETTING THE SYSTEM IMMEDIATELY PRIOR TO PROJECT TURNOVER TO THE OWNER.

V. SANITARY TEE FITTINGS SHALL NOT BE INSTALLED IN DRAIN WASTE, AND VENT (DWV) SYSTEM.

W. HARD 90 DEGREE ELBOW WILL NOT BE PERMITTED ON SANITARY LINES.

X. SUPPORT ALL PIPING AND DUCTWORK, EQUIPMENT, ETC. FROM TOP CHORD OF ROOF/FLOOR JOISTS, OR PROVIDE STRUCTURAL CALCULATIONS INDICATING BOTTOM CHORD ATTACHMENT IS ACCEPTABLE.

Y. PROVIDE A COMPLETE NATURAL GAS PIPING SYSTEM AS NOTED ON THE DRAWINGS. PROVIDE EITHER THREADED STEEL OR MALLEABLE IRON PIPE WITH MALLEABLE FITTINGS OR WELDED STEEL. PROVIDE ALL UNIONS, SHUT-OFF VALVES AND DIRT LEGS REQUIRED BY NFPA-54 AND GOVERNING LOCAL CODES. PROVIDE ALL TESTS, METES, INSPECTIONS, HANGERS AND EQUIPMENT CONNECTIONS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM. PAINT PIPING ON ROOF WITH TWO COATS OF RUST RESISTANT OUTDOOR PAINT.

Z. PROVIDE CLEAR ACCESS TO ALL EQUIPMENT AND VALVES.

AA. WATER SERVICE FOR FIRE, DOMESTIC AND COMBINED SERVICES SHALL BE INSTALLED AND TESTED FROM MAIN TO THE INTERIOR OF THE BUILDING BY THE SAME PLUMBING CONTRACTOR.

ISSUE FOR PROGRESS

NO	DATE	DESCRIPTION
1	04.25.25	ISSUE FOR PERMIT

WCW Engineers, Inc.
760 Creel Drive
Wood Dale, Illinois 60191
Tel. 630/595-8800
Fax 630/595-8818
www.WCWengineers.com

STATE OF MISSOURI
JOSEPH G. THOMAS
NUMBER E-27428
REGISTERED PROFESSIONAL ENGINEER

CERTIFICATION:

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p 773-477-9009
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PLUMBING NOTES, SYMBOLS AND ABBREVIATIONS

JOB NO:	SHEET NO:
ANCHO - SUMMIT FAIR	P1.1
DATE: 04.25.2025	

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KITCHEN FIXTURES

TAG	FIXTURE
1A	BEER COOLER - NO FLOOR
6	SODA RACK
9A	WALK-IN COOLER - NO FLOOR
23	HAND SINK
23A	HAND SINK
33	PREP TABLES W/SINK
33A	PREP TABLES W/SINK
39	MOP SINK W/FAUCET
44	THREE COMPARTMENT SINK
45	PRE-RINSE SPRAY ARM
48	BOOSTER HEATER
49	WAREWASHER
51	SOILED DISHTABLE
58	FILL FAUCET
65	SILVER SINK

66	DUMP SINK
72	TILT SKILLET
84	HOT FOOD TABLE
94	ICE MAKER W/BIN
104	HOT FOOD TABLE
117	CHILLED WATER DISPENSER
117A	DROP-IN ICE BIN
118	COFFEE BREWER
119	ICED TEA BREWER
120	SODA & ICE BREWER
163	FLOOR TROUGH

SEE KITCHEN DRAWINGS FOR ADDITIONAL INFORMATION

BAR FIXTURES

TAG	FIXTURE
131	UNDERBAR ICE CHEST
133	UNDERBAR DUMPSINKS
134	COMB. ICE CHEST W/SPEED RAIL
136	UNDERBAR DRY STORAGE
140	DRAINBOARD W/GLASS STORAGE
142	UNDERBAR HANDSINK
145	CORNER FILLER & DRAINBOARD
152	GLASSWASHER
164	S/S CABINT
167	DRIP PAN W/GLASS RINSER
169	FAUCET
170	DRAINER
171	WATER FILLER
173	DRINK RAILS

SEE KITCHEN DRAWINGS FOR ADDITIONAL INFORMATION

GENERAL NOTE

DRAINAGE AND VENT SYSTEM SHALL BE PRESSURE TESTED WITH WATER

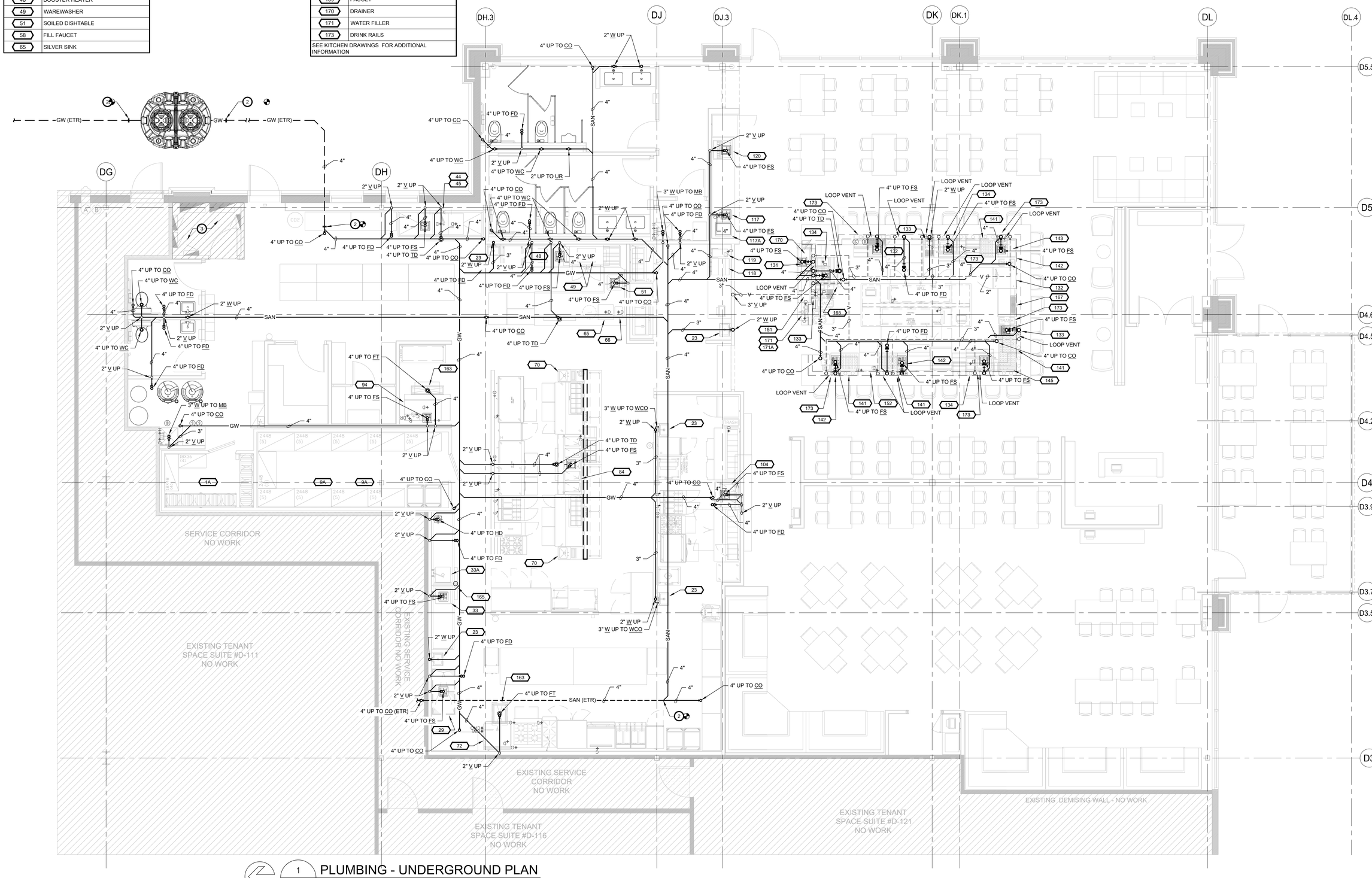
LEGEND

EXISTING - - - - -

NEW ———

PLAN NOTES

1. CONNECT NEW SANITARY PIPING TO EXISTING SANITARY PIPING IN THIS LOCATION. CONTRACTOR SHALL FIELD VERIFY DIRECTION OF FLOW, EXACT LOCATION, ROUTING AND INVERT ELEVATIONS OF EXISTING SANITARY PIPING FOR A PROPER OPERATING SYSTEM PRIOR TO PIPING INSTALLATION. NOTIFY ARCHITECT/ENGINEER WITH ANY DISCREPANCIES IMMEDIATELY. MAKE NECESSARY CONNECTIONS AS REQUIRED PER EXISTING FIELD CONDITIONS.
2. CONNECT NEW GREASE PIPING TO EXISTING GREASE PIPING IN THIS LOCATION. CONTRACTOR SHALL FIELD VERIFY DIRECTION OF FLOW, EXACT LOCATION, ROUTING AND INVERT ELEVATIONS OF EXISTING GREASE WASTE PIPING FOR A PROPER OPERATING SYSTEM PRIOR TO PIPING INSTALLATION. NOTIFY ARCHITECT/ENGINEER WITH ANY DISCREPANCIES IMMEDIATELY. MAKE NECESSARY CONNECTIONS AS REQUIRED PER EXISTING FIELD CONDITIONS.
3. AREA FOR ELECTRICAL EQUIPMENT. PIPING SHALL NOT CROSS WITHIN THIS AREA.



NORTH

1 / P2.1 PLUMBING - UNDERGROUND PLAN

SCALE: 1/4" = 1'-0"

ISSUE FOR PROGRESS

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PLUMBING - UNDERGROUND PLAN

JOB NO:	SHEET NO:
ANCHO - SUMMIT FAIR	P2.1
DATE: 04.25.2025	

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KITCHEN FIXTURES

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119	ICED TEA BREWER
120	SODA & ICE BREWER
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145	CORNER FILLER & DRAINBOARD
152	GLASSWASHER
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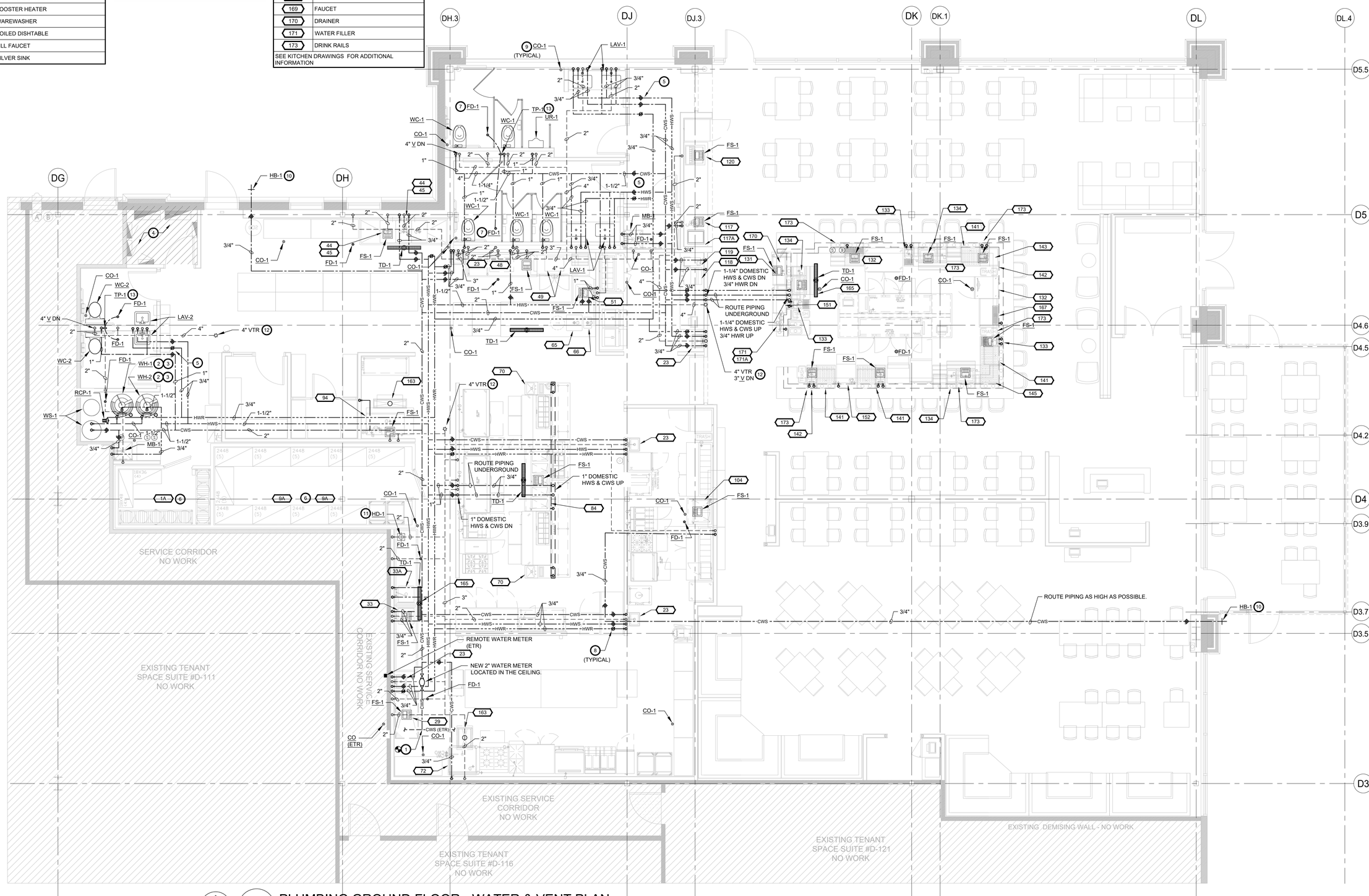
167	DRIP PAN W/GLASS RINSER
169	FAUCET
170	DRAINER
171	WATER FILLER
173	DRINK RAILS

SEE KITCHEN DRAWINGS FOR ADDITIONAL INFORMATION

PLAN NOTES

1. CONNECT TO EXISTING 2" DOMESTIC WATER SERVICE. FIELD VERIFY EXACT LOCATION AND PIPE SIZE.
2. PROVIDE WATER HEATER IN THIS AREA PER WATER HEATER DETAIL ON PLUMBING DETAIL SHEET. CONTRACTOR TO ENSURE ACCESS IS MAINTAIN FOR WATER HEATER SERVICE.
3. ROUTE WATER HEATER T&P RELIEF PIPING & CONDENSATE PIPING TO FLOOR DRAIN
4. AREA FOR ELECTRICAL EQUIPMENT. PIPING SHALL NOT BE CROSS WITHIN THIS AREA.
5. PROVIDE SHUT-OFF AND FLOW CONTROL VALVES TO ISOLATE RESTROOMS. INSTALL ABOVE ACCESSIBLE CEILING.
6. CONDENSATE DRAIN PIPING: PROVIDE 1" INSULATED CONDENSATE DRAIN PIPE FROM EVAPORATOR COIL IN THE COOLER/FREEZER. REFER TO DETAIL SHEET ON PLUMBING DETAIL SHEETS.
7. FLOOR DRAINS AND CLEANOUTS LOCATIONS IN THE RESTROOMS SHALL BE CENTERED IN THE FLOOR TILE, REFER TO ARCHITECTURAL DRAWINGS FOR EXACT PLACEMENT PRIOR TO SETTING DRAIN AND CLEANOUT LOCATION.
8. BALANCING VALVE.
9. FLOOR CLEANOUTS MUST NOT BE BE VISIBLE FROM ANY PUBLIC VIEW. IF WALL CLEANOUTS MUST BE USED THEY CANT BE VISIBLE FROM ANY PUBLIC VIEWING ANGLE.
10. PROVIDE SHUT-OFF VALVE FOR EXTERIOR WALL HYDRANT. INSTALL ABOVE ACCESSIBLE CEILING
11. DISCHARGE CONDENSATE DRAIN INTO APPROVED RECEPTOR WITH AIR GAP TWICE THE PIPE DIAMETER. ROUTE CONDENSATE TIGHT TO COOLER WALL.
12. PROVIDE NEW VENT THRU ROOF IN THIS VICINITY. SEE DETAIL ON PLUMBING DETAIL SHEETS. LOCATE VENT THRU ROOF MINIMUM 15'-0" AWAY FROM ANY AIR INTAKE ON ROOF.
13. TRAP PRIMER/VALVES TO BE IN AN ACCESSIBLE SPACE ABOVE CEILING. IF NOT PROVIDE A MINIMUM 12"x12" ACCESS PANEL OR LARGER IF REQUIRED TO ADEQUATELY ACCESS THE TRAP PRIMER/VALVES
14.
15.



NORTH

1 / P2.2 PLUMBING GROUND FLOOR - WATER & VENT PLAN

SCALE: 1/4" = 1'-0"

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ISSUE FOR PROGRESS

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH CONSTRUCTION AND NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR CONFLICTS.

NO	DATE	DESCRIPTION
1	04.25.25	ISSUE FOR PERMIT

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JOSEPH G. THOMAS
NUMBER E-27428
REGISTERED PROFESSIONAL ENGINEER

CERTIFICATION:

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PLUMBING GROUND FLOOR - WATER & VENT PLAN

JOB NO:	SHEET NO:
ANCHO - SUMMIT FAIR	P2.4
DATE: 04.25.2025	

PLUMBING FIXTURE SCHEDULE

SYMBOL/ DESIGNATOR	FIXTURE	MANUFACTURER	MODEL NO.	TYPE	FINISH	TRAP	MOUNTING	CARRIER	SUPPLY FITTING	STOP VALVE	REMARKS
WC-1 (ADA)	WATER CLOSET	---	---	---	---	---	WALL HUNG	---	---	MCGUIRE NO. 2169	REFER TO ARCHITECTURAL DRAWINGS FOR SPECIFICATIONS.
WC-1 (ADA)	WATER CLOSET	---	---	---	---	---	FLOOR MOUNTED	---	---	MCGUIRE NO. 2169	REFER TO ARCHITECTURAL DRAWINGS FOR SPECIFICATIONS.
UR-1 (ADA)	URINAL	---	---	---	---	---	WALL HUNG	JR SMITH NO. 637-M12	---	INTEGRAL	REFER TO ARCHITECTURAL DRAWINGS FOR SPECIFICATIONS.
LAV-1 (ADA)	LAVATORY	---	---	---	---	---	COUNTERTOP	---	---	MCGUIRE #2167	REFER TO ARCHITECTURAL DRAWINGS FOR SPECIFICATIONS.
LAV-2 (ADA)	LAVATORY	---	---	---	---	---	WALL HUNG	JR SMITH 0700-M31	---	MCGUIRE #2167	REFER TO ARCHITECTURAL DRAWINGS FOR SPECIFICATIONS.
HB-1	HOSE BIBB	JR SMITH	5619QT	WALL MOUNTED	BRONZE WITH SS FACE	-	WALL MOUNTED 18" A.F.G.	NONE	-	-	PROVIDE WALL HYDRANT; ANTI-SIPHON, AUTOMATIC DRAINING QUARTER TURN HYDRANT, NON-FREEZE INTEGRAL VACUUM BREAKER. ALL BRONZE INTERIOR PARTS, KEY OPERATED, 3/4" SOLDER INLET, 3/4"DCW LINE
MB-2	MOP BASIN	MUSTEE	#63M 24" x 24"	FLOOR MOUNTED	DURASTONE FIBERGLASS	3" 'P' TRAP	FLOOR MOUNTED	NONE	CHICAGO FAUCET 897	INTEGRAL	MOUNT SUPPLY FITTING 36" ABOVE FLOOR. INTEGRAL VACUUM BREAKER.

NOTE: REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS.

WATER SUPPLY FIXTURE UNIT COUNT

TAG	FIXTURE	QUANTITY	SINGLE FIXTURE			COMBINED FIXTURE		
			COLD	HOT	TOTAL	COLD	HOT	TOTAL
6	SODA RACK	2	0.5	0	0.5	1.0	0.0	1.0
23	HAND SINK	6	1	1	1.4	6.0	6.0	8.4
33	PREP TABLE W/ SINK	1	3	3	4	3.0	3.0	4.0
33A	PREP TABLE W/ SINK	1	3	3	4	3.0	3.0	4.0
39	MOP BASIN W/FAUCET	1	2.25	2.25	3	2.3	2.3	3.0
43	PRE-RINSE SPRAY ARM (THREE COMP. SINK)	1	3	3	4	3.0	3.0	4.0
48	BOOSTER HEATER	1	0	1.4	1.4	0.0	1.4	1.4
51	SOILED DISHTABLE	1	3	3	4	3.0	3.0	4.0
58	FILL FAUCET	1	0.5	0	0.5	0.5	0.0	0.5
70	HAND SINK	2	1	1	1.4	2.0	2.0	2.8
72	TILT SKILLET	1	0.5	0	0.5	0.5	0.0	0.5
84	HOT FOOD TABLE	1	0.5	0	0.5	0.5	0.0	0.5
94	ICE MAKER	1	0.5	0	0.5	0.5	0.0	0.5
104	HOT FOOD TABLE	1	0.5	0	0.5	0.5	0.0	0.5
117	CHILLED WATER DISPENSER	1	0.5	0	0.5	0.5	0.0	0.5
118	COFFEE BREWER	1	0.5	0	0.5	0.5	0.0	0.5
119	TEA BREWER	1	0.5	0	0.5	0.5	0.0	0.5
133	DUMP SINK	2	3	3	4	6.0	6.0	8.0
142	UNDERBAR HAND SINK	3	1	1	1.4	3.0	3.0	4.2
152	GLASSWASHER							
167	DRIP PAN W/ GLASS RINSERS	2	0.5	0	0.5	1.0	0.0	1.0
169	FAUCET	2	0.5	0.5	0.7	1.0	1.0	1.4
171	WATER FILLER	1	0.5	0	0.5	0.5	0.0	0.5
177	MOP BASIN	1	2.25	2.25	3	2.3	2.3	3.0
WC-1	WATER CLOSET	5	10	0	10	50.0	0.0	50.0
WC-2	WATER CLOSET	4	5	0	10	20.0	0.0	40.0
UR-1	URINAL	1	5	0	5	5.0	0.0	5.0
LAV-1	LAVATORY	4	1.5	1.5	2	6.0	6.0	8.0
LAV-2	LAVATORY	2	1.5	1.5	2	3.0	3.0	4
HB-1	HOSE BIBB	3	2.25	0	3	6.8	0.0	9.0
BASED ON ILLINOIS PLUMBING CODE (2", 77 GPM)					TOTAL:	131.8	44.9	170.7

GREASE INTERCEPTOR CALCULATIONS

Quote: 5A9BXF9X

Reference No. 82552 — Project Name: Ancho Agave - Summit Fair

Step 1: Flow rate to grease interceptor

Fixture flow rate: (cu in / 231) = gal x 0.75 / 2 min = 2 min flow rate

NAME	TYPE	DIMENSIONS	QTY	CU IN	FLOW RATE
3 Compartment Sink	3 Compartment Sink	21" x 21" x 14" (3)	1	18,522	30.07 GPM
Dishwasher	Dishwasher (Door Type)	10 gal.	1	2,310	5 GPM
Dump Sink One Bowl	Dump Sink One Bowl	10" x 14" x 6"	1	840	1.36 GPM
Floor Drain	Floor Drain	N/A	5	N/A	0 GPM
Floor Sink	Floor Sink	N/A	3	N/A	0 GPM
Floor Trough	Floor Drain	N/A	2	N/A	0 GPM
Hand Sink	Hand Sink	10" x 14" x 5"	8	5,600	9.12 GPM
Mop Basin	Mop Basin	24" x 24" x 10"	2	11,520	18.7 GPM
Prep Sink One Bowl	Prep Sink One Bowl	21" x 21" x 14"	2	12,348	20.04 GPM
Total					**84.27 GPM**

Flow rate used to size interceptor (less of fixture or pipe size)
Pipe size (4 in):
Pipe Size flow rate per Manning's Formula **75 GPM**

Step 2: Grease Production

Servings per day x Grease production value x Days between pump-outs = Grease output

Servings per day: 600
Grease production value: 0.0455 lbs per serving (Family Restaurant: High / Flatware)
Days between pump-outs: 90 days

600 x 0.0455 x 90 = 2457 lbs of FOG

SCHIER MODEL	
GB-1000	**Description:** GREASE INTERCEPTOR 100 GPM / 200 GPM, 4" PLAIN/FPT CONNECTIONS, H-20 RATED PICKABLE CAST IRON COVERS **Dimensions:** Length: 92", Width: 73.75", Height: 71.25" **Flow Rate/Grease Capacity:** 100 GPM / 5495 lbs **Liquid Capacity:** 1000 gal

WATER SOFTENER

MARK	MANUFACTURER	MODEL NO.	EXCHANGE CAPACITY. KGR @ SALT DOSAGE (LBS.)	SERVICE FLOW RATES		RESIN QUANTITY (CU. FT.)	SOFTENER TANK SIZE (DIA. IN.)	BRINE TANK SIZE (DIA. IN.)	REMARKS
				CONTINUOUS (GPM @ 15 PSI)	PEAK (GPM @ 25 PSI)				
WS-1	CULLIGAN	HE-210	240 @ 105	28.0	37.4	7	51	24	SEE BELOW.

1. PROVIDE SPECIFIED EQUIPMENT OR APPROVED EQUAL.
2. WATER SOFTENER SHALL BE INSTALLED AND START-UP PER THE MANUFACTURER'S SPECIFICATIONS.
3. PROVIDED BY OWNER, ROUGHED-IN BY GC.

PUMP SCHEDULE

DESIG'N	SERVICE	MANUFACTURER	MODEL NO.	TYPE	GPM	HEAD (FEET)	LIQUID TEMP.	ELECTRICAL			REMARKS
								MOTOR HP	VOLTAGE	RPM	
RCP-1	HOT WATER RECIRCULATION	TACO	0011	IN-LINE	5	10	110°F	1/8	1Ø-115	3250	NON-OVERLOADING O.D.P. MOTOR WITH 1.15 SERVICE FACTOR, REMITE SEALS, SEE DETAIL.

WATER HEATER SCHEDULE

DESIG'N	TYPE	MANUFACTURER	MODEL NO.	GAS INPUT	ELECTRICAL		RECOVERY @100° RISE (GPM)	REMARKS
				MBH	VOLTAGE	FLA		
WH-1	STORAGE TANK	A.O. SMITH	BTH-199 MXI	199	120/1	5.0	235	SEE BELOW.
WH-2	STORAGE TANK	A.O. SMITH	BTH-199 MXI	199	120/1	5.0	235	SEE BELOW.

PROVIDE ACID NEUTRALIZATION KIT, ASME APPROVED TEMPERATURE & PRESSURE RELIEF VALVE, AMTROL MODEL# ST-12 EXPANSION TANK, AND SYSTEM CONTROLLER SC-201-12M. GC TO PROVIDE MOUNTING BRACKETS AND UNISTRUT FOR WATER HEATERS.

DRAIN SCHEDULE

DESIGNATOR	TYPE	SIZE	MFG'R	MODEL NO.	TOP	REMARKS
FD-1	FLOOR DRAIN	4"	JAY R. SMITH	2010C	POLISHED NICKEL BRONZE	VANDAL PROOF, TRAP PRIMER.
FS-1	FLOOR SINK	4"	JAY R. SMITH	3431	CAST IRON	8" DEEP ALUMINUM SEDIMENT BUCKET, 4" DEEP SEAL. 'P' TRAP, PROVIDE 1/2 GRATE
FCO-1	FLOOR CLEANOUT	4"	JAY R. SMITH	4020	NICKEL BRONZE	VANDAL PROOF TOP.

THERMOSTATIC MIXING VALVE SCHEDULE

TMV-1 PROVIDE LAWLER MODEL "310" OR "410" THERMOSTATIC MIXING VALVE WITH INTEGRAL STOP-STRAINER-CHECK VALVES. SET WATER TEMPERATURE FOR 105°F MAXIMUM. LOCATE VALVE AND CABINET BELOW LAVATORY.

FIXTURE BRANCH CONNECTION SCHEDULE

FIXTURE	COLD WATER	HOT WATER	WASTE	VENT	TRAP SIZE
MOP BASIN	3/4"	3/4"	3"	2"	3"
4" FLOOR DRAIN	-	-	4"	2"	4"
4" FLOOR SINK	-	-	4"	2"	4"
HAND SINK/ LAVATORY	1/2"	1/2"	2"	1-1/2"	2"
WATER CLOSET (F.V.)	1-1/4"	-	4"	2"	-
URINAL	3/4"	-	2"	2"	-
SINK	1/2"	1/2"	2"	1-1/2"	2"

PLUMBING EQUIPMENT SCHEDULE

SYMBOL	DESCRIPTION	SPECIFICATION
GI-1	GREASE INTERCEPTOR	SCHIER GB-1000 POLYETHYLENE GREASE INTERCEPTOR. SEE DETAIL

ISSUE FOR PROGRESS

NO	DATE	DESCRIPTION
1	04.25.25	ISSUE FOR PERMIT

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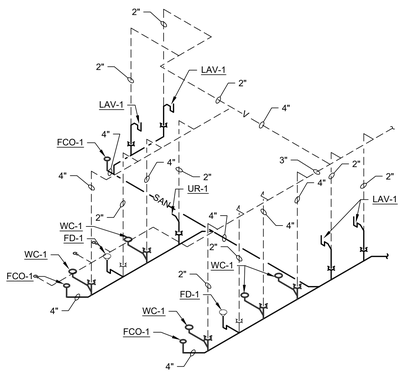
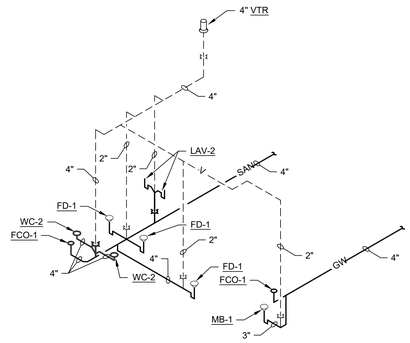
PLUMBING SCHEDULES

JOB NO:	SHEET NO:
ANCHO - SUMMIT FAIR	P3.1
DATE: 04.25.2025	



1 P4.1 PLUMBING ISOMETRIC MEN'S & WOMEN'S RESTROOM - WASTE AND VENT

SCALE: N.T.S

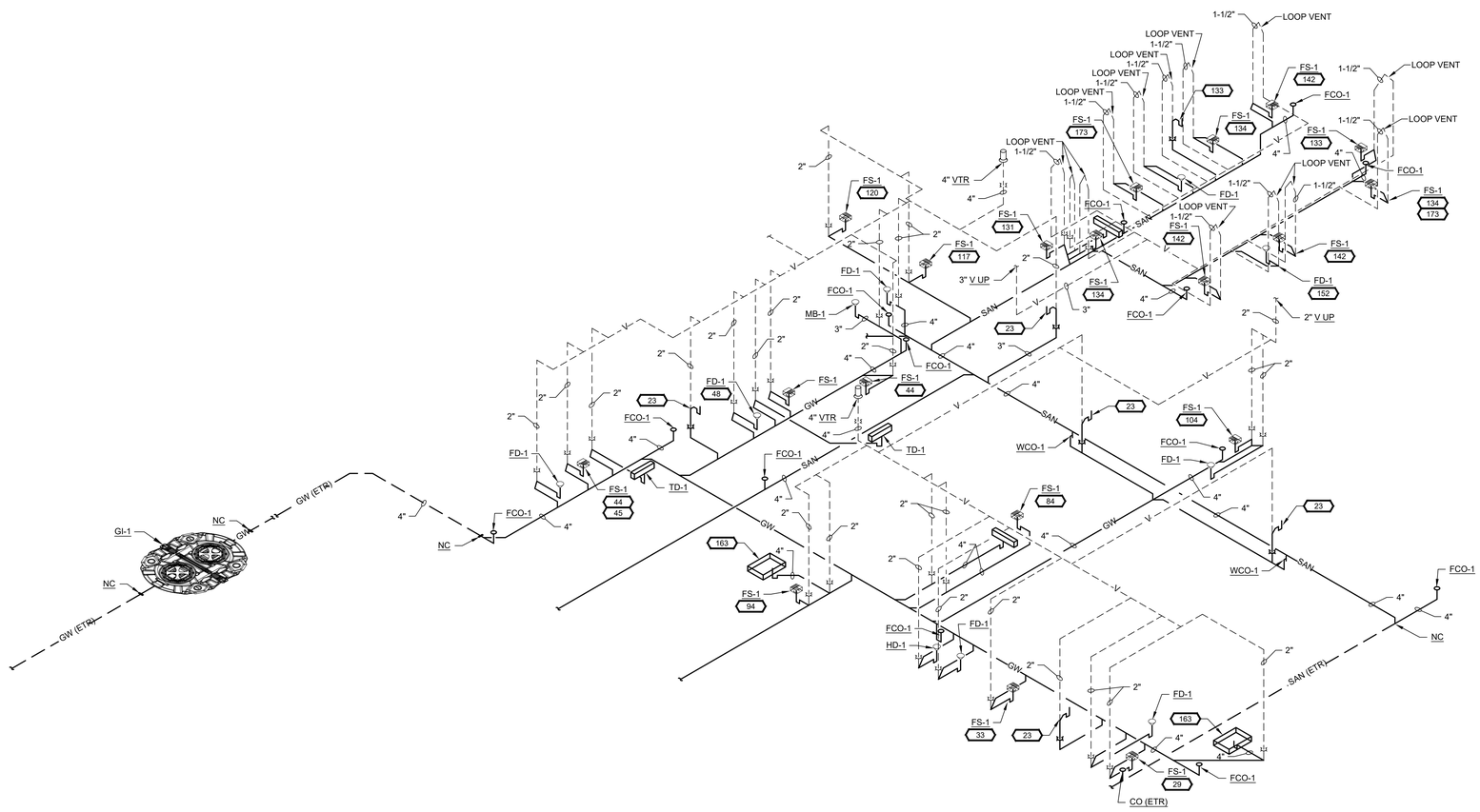


2 P4.1 PLUMBING ISOMETRIC EMPLOYEE RESTROOM & MECH. ROOM, - WASTE AND VENT

SCALE: N.T.S

BAR FIXTURES	
TAG	FIXTURE
131	UNDERBAR ICE CHEST
133	UNDERBAR DUMPSINKS
134	COMB. ICE CHEST W/SPEED RAIL
136	UNDERBAR DRY STORAGE
140	DRAINBOARD W/GLASS STORAGE
142	UNDERBAR HANDSINK
145	CORNER FILLER & DRAINBOARD
152	GLASSWASHER
164	S/S CABINT
167	DRIP PAN W/GLASS RINSER
169	FAUCET
170	DRAINER
171	WATER FILLER
173	DRINK RAILS
SEE KITCHEN DRAWINGS FOR ADDITIONAL INFORMATION	

KITCHEN FIXTURES	
TAG	FIXTURE
1A	BEER COOLER - NO FLOOR
6	SODA RACK
9A	WALK-IN COOLER - NO FLOOR
23	HAND SINK
23A	HAND SINK
33	PREP TABLES W/SINK
33A	PREP TABLES W/SINK
39	MOP SINK W/FAUCET
44	THREE COMPARTMENT SINK
45	PRE-RINSE SPRAY ARM
48	BOOSTER HEATER
49	WAREWASHER
51	SOILED DISHTABLE
58	FILL FAUCET
65	SILVER SINK
66	DUMP SINK
72	TILT SKILLET
84	HOT FOOD TABLE
94	ICE MAKER W/BIN
104	HOT FOOD TABLE
117	CHILLED WATER DISPENSER
117A	DROP-IN ICE BIN
118	COFFEE BREWER
119	ICED TEA BREWER
120	SODA & ICE BREWER
163	FLOOR TROUGH
SEE KITCHEN DRAWINGS FOR ADDITIONAL INFORMATION	



3 P4.1 PLUMBING ISOMETRIC KITCHEN & BAR - WASTE AND VENT

SCALE: N.T.S

ISSUE FOR PROGRESS

NO	DATE	DESCRIPTION
1	04.25.25	ISSUE FOR PERMIT

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PLUMBING ISOMETRICS
WASTE AND VENT

JOB NO:	SHEET NO:
ANCHO - SUMMIT FAIR	P4.1
DATE: 04.25.2025	

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BAR FIXTURES

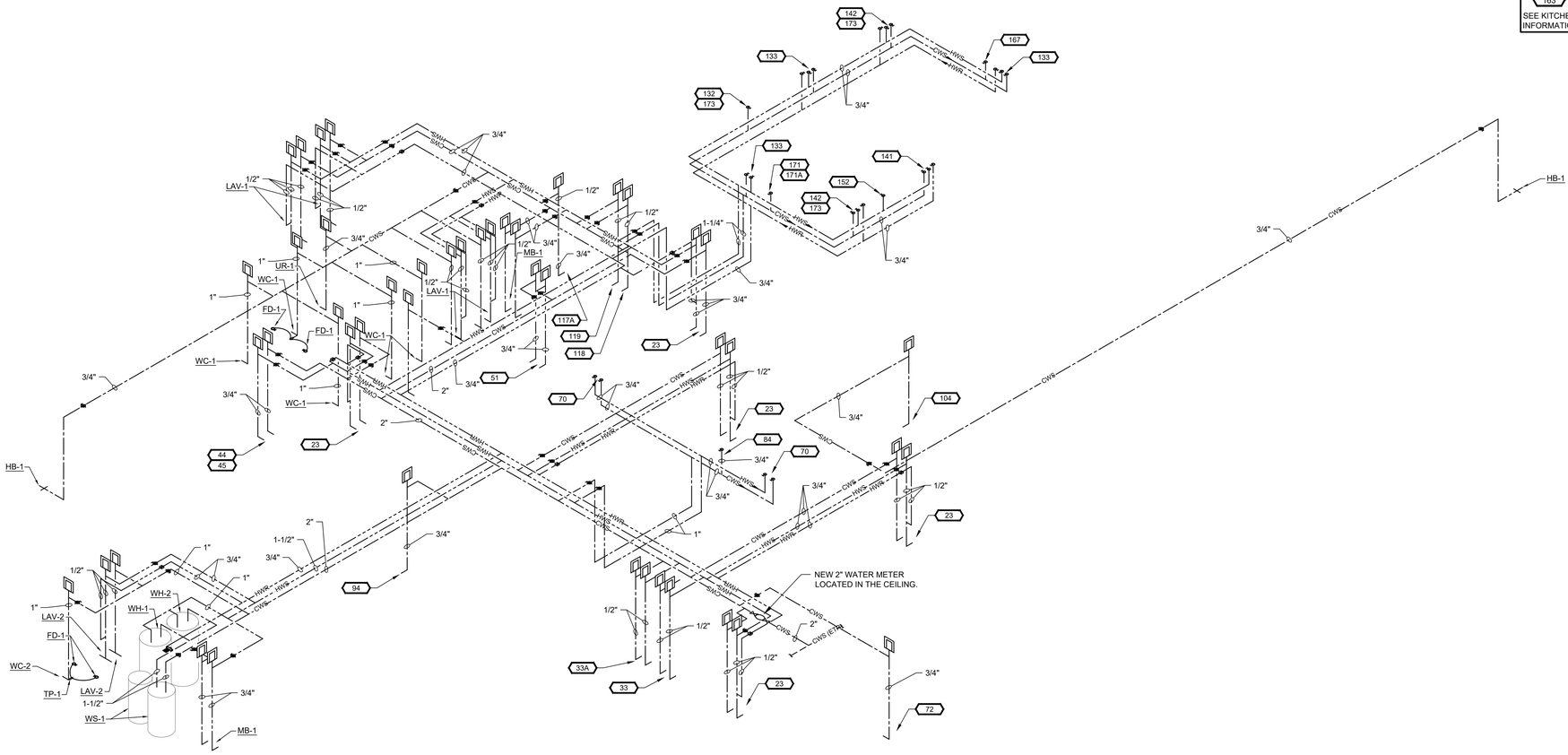
TAG	FIXTURE
131	UNDERBAR ICE CHEST
133	UNDERBAR DUMPSINKS
134	COMB. ICE CHEST W/SPEED RAIL
136	UNDERBAR DRY STORAGE
140	DRAINBOARD W/GLASS STORAGE
142	UNDERBAR HANDSINK
145	CORNER FILLER & DRAINBOARD
152	GLASSWASHER
164	S/S CABINT
167	DRIP PAN W/GLASS RINSER
169	FAUCET
170	DRAINER
171	WATER FILLER
173	DRINK RAILS

SEE KITCHEN DRAWINGS FOR ADDITIONAL INFORMATION

KITCHEN FIXTURES

TAG	FIXTURE
1A	BEER COOLER - NO FLOOR
6	SODA RACK
9A	WALK-IN COOLER - NO FLOOR
23	HAND SINK
23A	HAND SINK
33	PREP TABLES W/SINK
33A	PREP TABLES W/SINK
39	MOP SINK W/FAUCET
44	THREE COMPARTMENT SINK
45	PRE-RINSE SPRAY ARM
48	BOOSTER HEATER
49	WAREWASHER
51	SOILED DISHTABLE
58	FILL FAUCET
65	SILVER SINK
66	DUMP SINK
72	TILT SKILLET
84	HOT FOOD TABLE
94	ICE MAKER W/BIN
104	HOT FOOD TABLE
117	CHILLED WATER DISPENSER
117A	DROP-IN ICE BIN
118	COFFEE BREWER
119	ICED TEA BREWER
120	SODA & ICE BREWER
163	FLOOR TROUGH

SEE KITCHEN DRAWINGS FOR ADDITIONAL INFORMATION



1 / P4.2 PLUMBING ISOMETRIC - WATER

SCALE: N.T.S

ISSUE FOR PROGRESS

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PLUMBING ISOMETRICS
WATER

JOB NO:	SHEET NO:
ANCHO - SUMMIT FAIR	P4.2
DATE: 04.25.2025	

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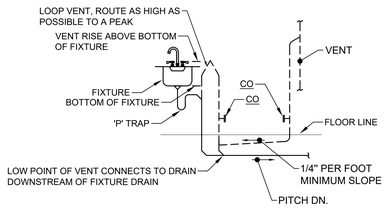
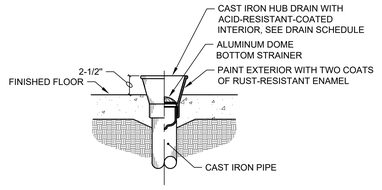
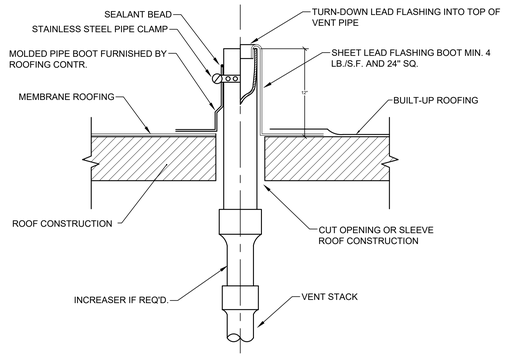


LOOP VENT DETAIL
NOT TO SCALE



TYPICAL HUB DRAIN DETAIL
NOT TO SCALE



VENT THRU ROOF DETAIL
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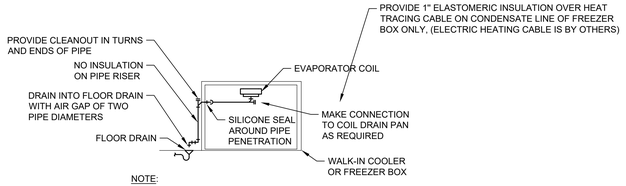
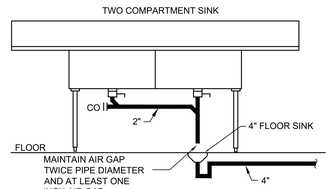


NOTE:

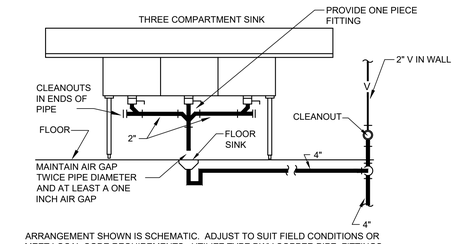
1. INSTALL PIPE AS HIGH AS POSSIBLE, ANCHORED TO WALL OF BOX WITH SUPPORTS AT MAXIMUM SIX FOOT CENTERS. USE TYPE "M" HARD COPPER TUBE AND FITTINGS WITH LEAD-FREE SOLDER JOINTS. SLOPE HORIZONTAL PIPE AT MINIMUM TWO PERCENT REFER TO LOCAL CODE FOR INDIRECT DRAIN REQUIREMENTS.

COOLER/FREEZER CONDENSATE DRAIN DETAIL
NOT TO SCALE



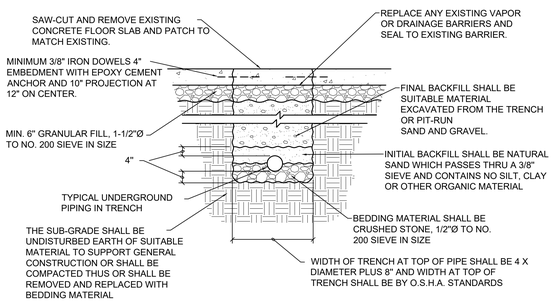
ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS OR MEET LOCAL CODE REQUIREMENTS. UTILIZE TYPE DWV COPPER PIPE, FITTINGS AND CONNECTORS FOR SINK CONNECTIONS. ALL EXPOSED PIPE SHALL BE TYPE DWV COPPER.

TYPICAL TWO COMPARTMENT SINK DETAIL
NOT TO SCALE



ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS OR MEET LOCAL CODE REQUIREMENTS. UTILIZE TYPE DWV COPPER PIPE, FITTINGS AND CONNECTORS FOR SINK CONNECTIONS. ALL EXPOSED PIPE SHALL BE TYPE DWV COPPER.

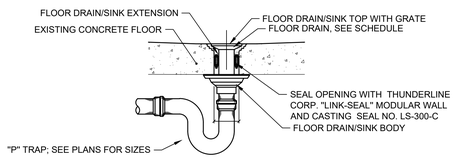
TYPICAL THREE COMPARTMENT SINK DETAIL
NOT TO SCALE



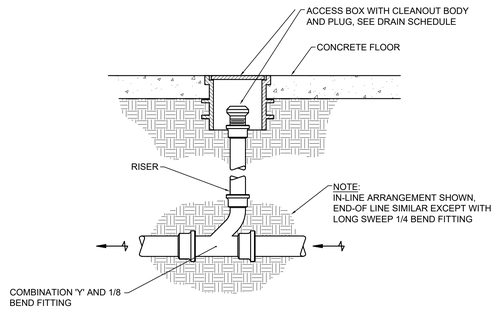
NOTE:

1. LOCAL AND STATE AUTHORITIES HAVING JURISDICTION SHALL APPROVE THIS OR OTHER INSTALLATION.

TYPICAL UNDERGROUND PIPING DETAIL
NOT TO SCALE



TYPICAL FLOOR DRAIN/SINK DETAIL
NOT TO SCALE



TYPICAL FLOOR CLEANOUT DETAIL
NOT TO SCALE

ISSUE FOR PROGRESS

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH CONSTRUCTION AND NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR CONFLICTS.

NO	DATE	DESCRIPTION
1	04.25.25	ISSUE FOR PERMIT

WCW Engineers, Inc.
760 Creel Drive
Wood Dale, Illinois 60191
Tel. 630/595-8800
Fax 630/595-8818
www.WCWengineers.com

STATE OF MISSOURI
JOSEPH G. THOMAS
NUMBER E-27428
REGISTERED PROFESSIONAL ENGINEER

CERTIFICATION:

ANCHO & AGAVE
SUMMIT FAIR SHOPPING CENTER
D-BUILDING
860-A NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086

CARR WARNER
ARCHITECTS
ARCHITECTURE
INTERIORS
PLANNING
3711 N. RAVENSWOOD
SUITE #104
CHICAGO, ILLINOIS 60613
p 773-477-9009
f 773-477-6888
www.carrwarner.com

PLUMBING DETAILS

JOB NO:	SHEET NO:
ANCHO - SUMMIT FAIR	P5.1
DATE: 04.25.2025	

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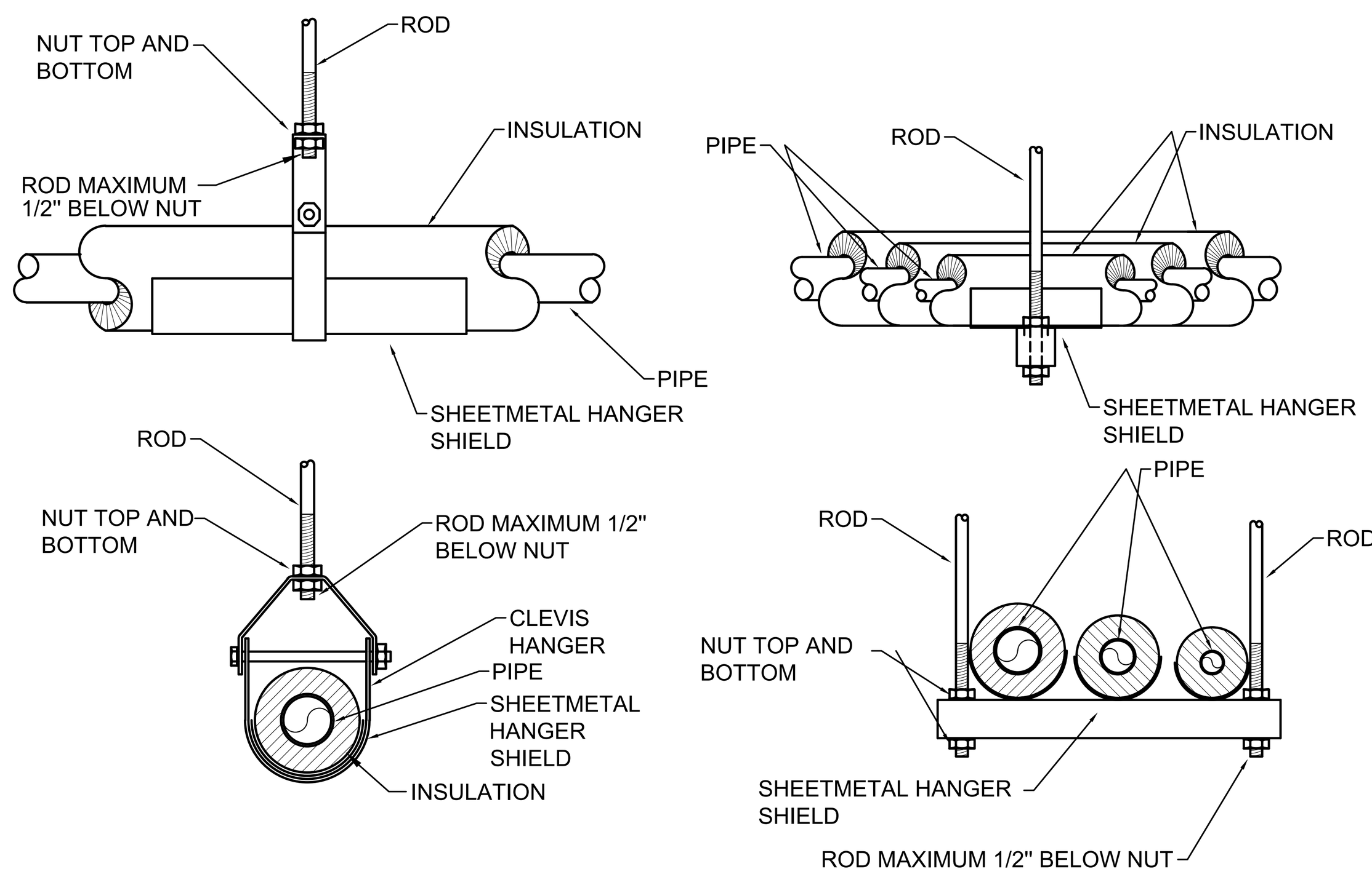
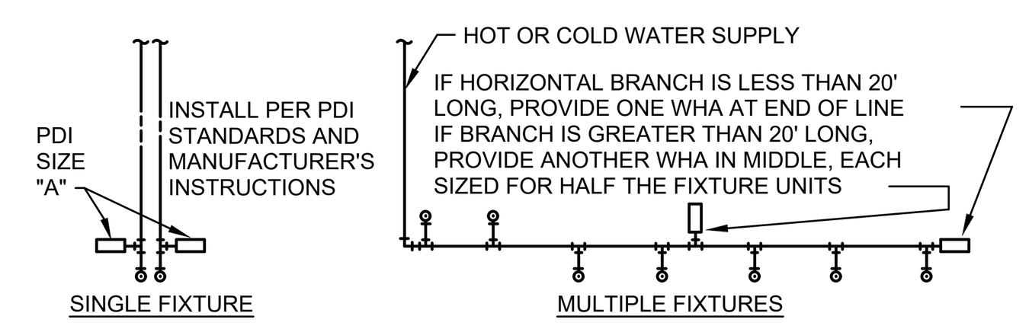


TYPICAL HANGER DETAIL

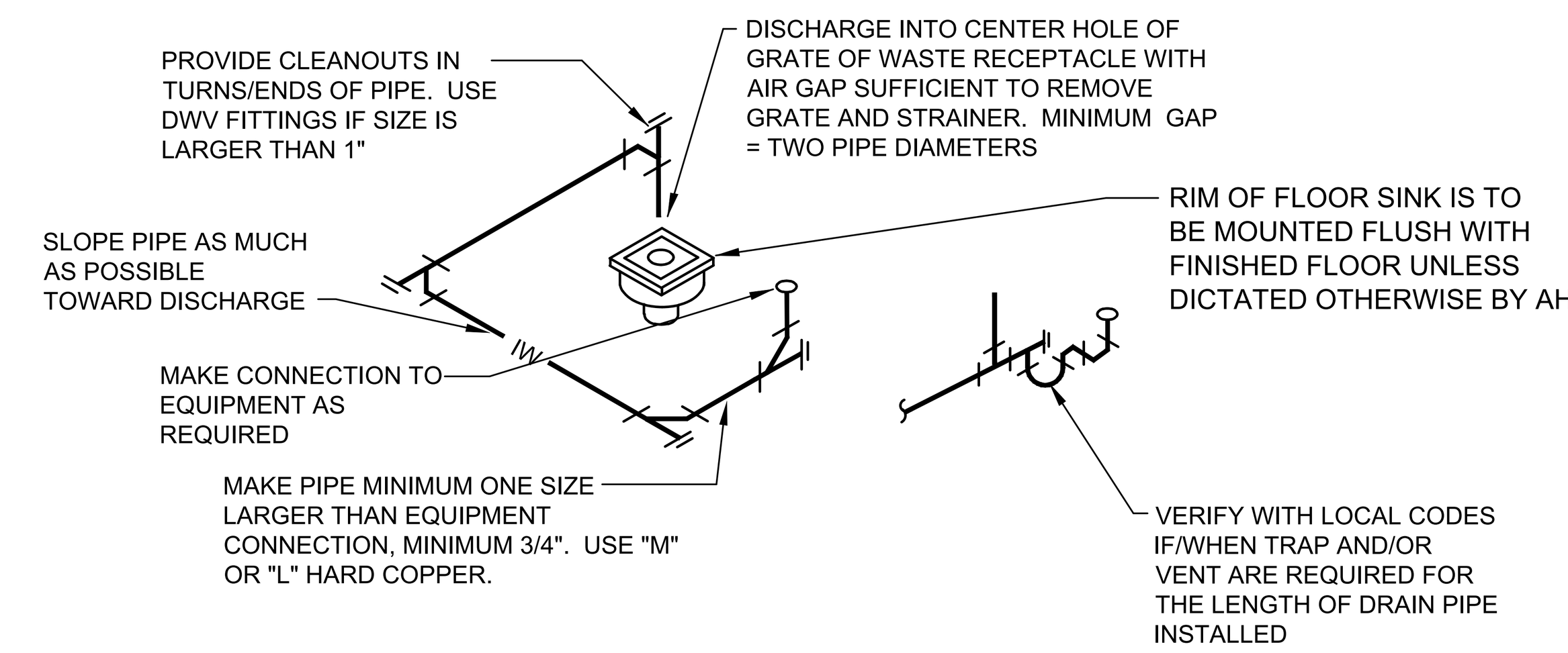


PDI SIZE	PIPE SIZE	FIXTURE UNIT LOAD
A	1/2"	1-11
B	3/4"	12-32
C	1"	33-60
D	1-1/4"	61-113
E	1-1/2"	114-154

FIXTURE UNIT TABULATION		
FIXTURE	COLD	HOT
WATER CLOSET	10	--
TANK WATER CLOSET	5	--
URINAL	5	--
LAVATORY/SINK	1.5	1.5
JANITOR'S SINK	3	3

PC TO PROVIDE WATER HAMMER ARRESTERS BY SIOUX CHIEF, PRECISION PLUMBING PRODUCTS, WATTS OR APPROVED EQUIVALENT WITH PISTON AND 0-RING CONSTRUCTION, HAVING PDI #WH-201, ASSE #1010 AND ANSI #A112.26.1M CERTIFICATION. INSTALL IN HORIZONTAL OR VERTICAL POSITION, BUT NEVER UPSIDE DOWN. INSTALL IN LINE WITH WATER FLOW DIRECTION IF POSSIBLE. SIZE THE UNITS AS SHOWN ON THE DRAWINGS AND/OR PER THE TABLES SHOWN ABOVE. SIZING CHARTS ARE BASED ON SIOUX CHIEF. USE SPECIFIC MANUFACTURERS SIZING CHARTS.

WATER HAMMER ARRESTERS DETAIL
NOT TO SCALE



ROUTE PIPE INCONSPICUOUSLY AND UNOBTRUSIVELY. HANG PIPE AS REQUIRED. DO NOT INSULATE INDIRECT DRAIN PIPE WHEN INSTALLED EXPOSED IN FOOD SERVICE FACILITY. REFER TO LOCAL CODES FOR FURTHER INFORMATION.

INDIRECT DRAIN DETAIL
NOT TO SCALE

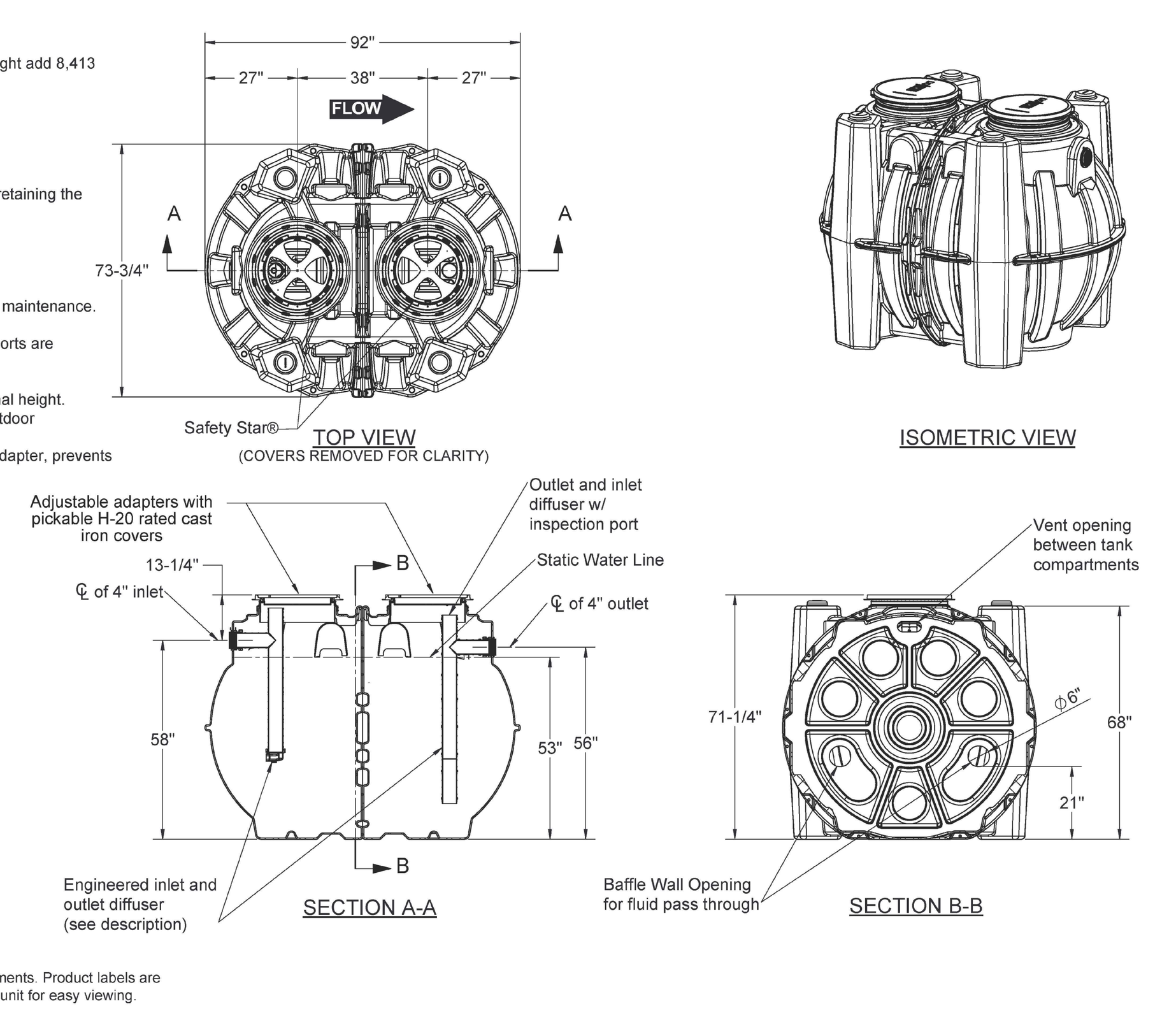
SPECIFICATIONS
Notes:
1. 4" FPT inlet/outlet with 4" plain fittings
2. Unit weight - w/ cast iron covers: 824 lbs. (for wet weight add 8,413 lbs.)
3. Maximum operating temperature: 150º F continuous
4. Capacities - Liquid: 1,000 gal.; Grease: 5,495 lbs. (753 gal.) @100GPM Grease: 4,959 lbs (679 gal.) @200GPM Solids: 211 gal.
5. Satisfies Miami DERM 99% efficiency requirements; retaining the following capacities at 99.0% efficiency: 5,272 lbs. (722 gal.) @100GPM 3,127 lbs. (428 gal.) @200GPM
6. For gravity drainage applications only.
7. Do not use for pressure applications.
8. Cover placement allows full access to tank for proper maintenance.
9. Vent not required unless per local code.
10. Engineered inlet and outlet diffusers with inspection ports are removable to inspect / clean piping.
11. Integral air relief / Anti-siphon / Sampling access.
12. Adjustable cover adapters provide up to 4" of additional height.
13. Designed for below-grade, above-grade, indoor or outdoor installations.
14. Safety Star®, access restrictor built into each cover adapter, prevents accidental entry to tanks (450 lb rating).

ENGINEER SPECIFICATION GUIDE
Schier Great Basin™ grease interceptor model # GB-1000 shall be lifetime guaranteed and made in USA of seamless, molded polyethylene with minimum 7/16" uniform wall thickness. Interceptor shall be furnished for above or below-grade installation with adjustable cover adapter and Safety Star® access restrictor built into each cover adapter. Interceptor shall be certified to ASME A112.14.3 (Type D) and CSA B481.1 as well as certified to IAPMO/ANSI Z1001-2021. Interceptor flow rate shall be 100 GPM or 200GPM. Interceptor grease capacity shall be 5,495 lbs. Cover shall provide water/gas-tight seal and have minimum 16,000 lbs. load capacity.

CERTIFIED PERFORMANCE
Great Basin™ hydromechanical grease interceptors are third party performance-tested and listed by IAPMO to ASME #A112.14.3 and CSA B481.1 grease interceptor standards and greatly exceed requirements for grease separation and storage. They are compliant to the Uniform Plumbing Code and the International Plumbing Code.

Type D certification does not require a flow control

MIAMI-DADE COUNTY — Satisfies Miami DERM 99% efficiency requirements. Product labels are permanently attached to inside and outside of unit for easy viewing.

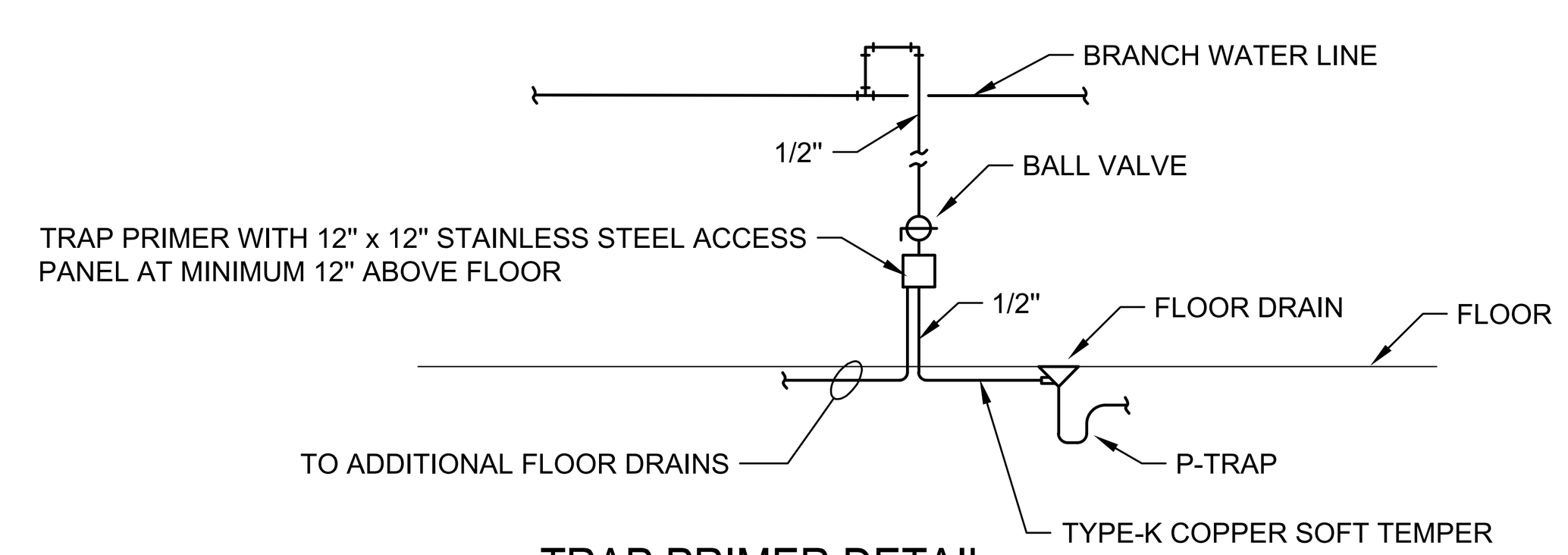


SPECIFICATION SHEET

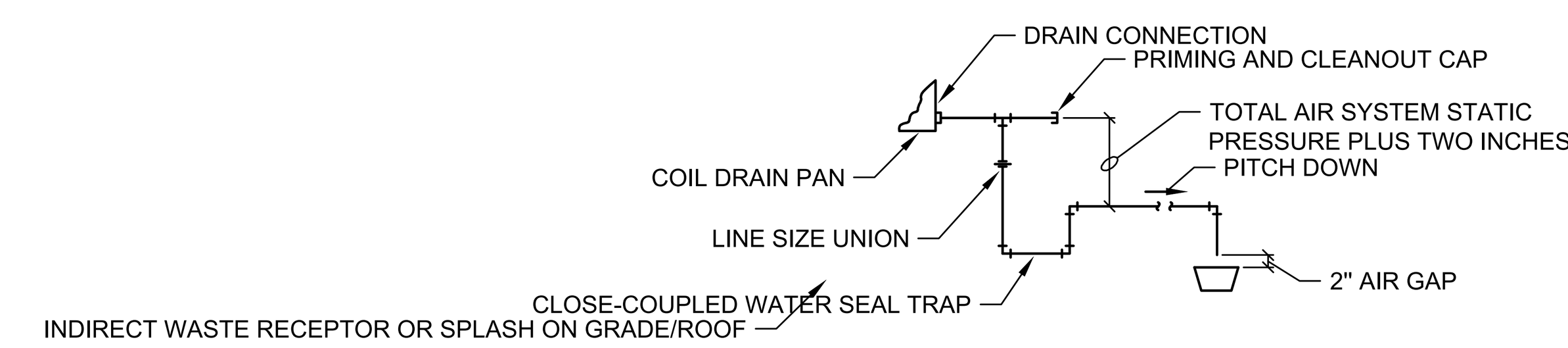
MODEL NUMBER: GB-1000	PART NUMBER: 4080-004-01
PROPRIETARY AND CONFIDENTIAL. THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SCHIER PRODUCTS. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SCHIER PRODUCTS IS PROHIBITED.	DESCRIPTION: GB-1000 GREASE INTERCEPTOR 100 GPM/ 200 GPM 4" INLET/OUTLET, H-20 RATED CAST IRON COVER
DWG BY: C.SINCLAIR	DATE: 10/18/2021 REV: 02 ECO: 032822TA

SCHIER
6455 Woodland Dr
Shawnee, KS 66218
Tel: 913-951-3300
Fax: 913-951-3399
schierproducts.com

GREASE INTERCEPTOR DETAIL
NOT TO SCALE



TRAP PRIMER DETAIL
NOT TO SCALE



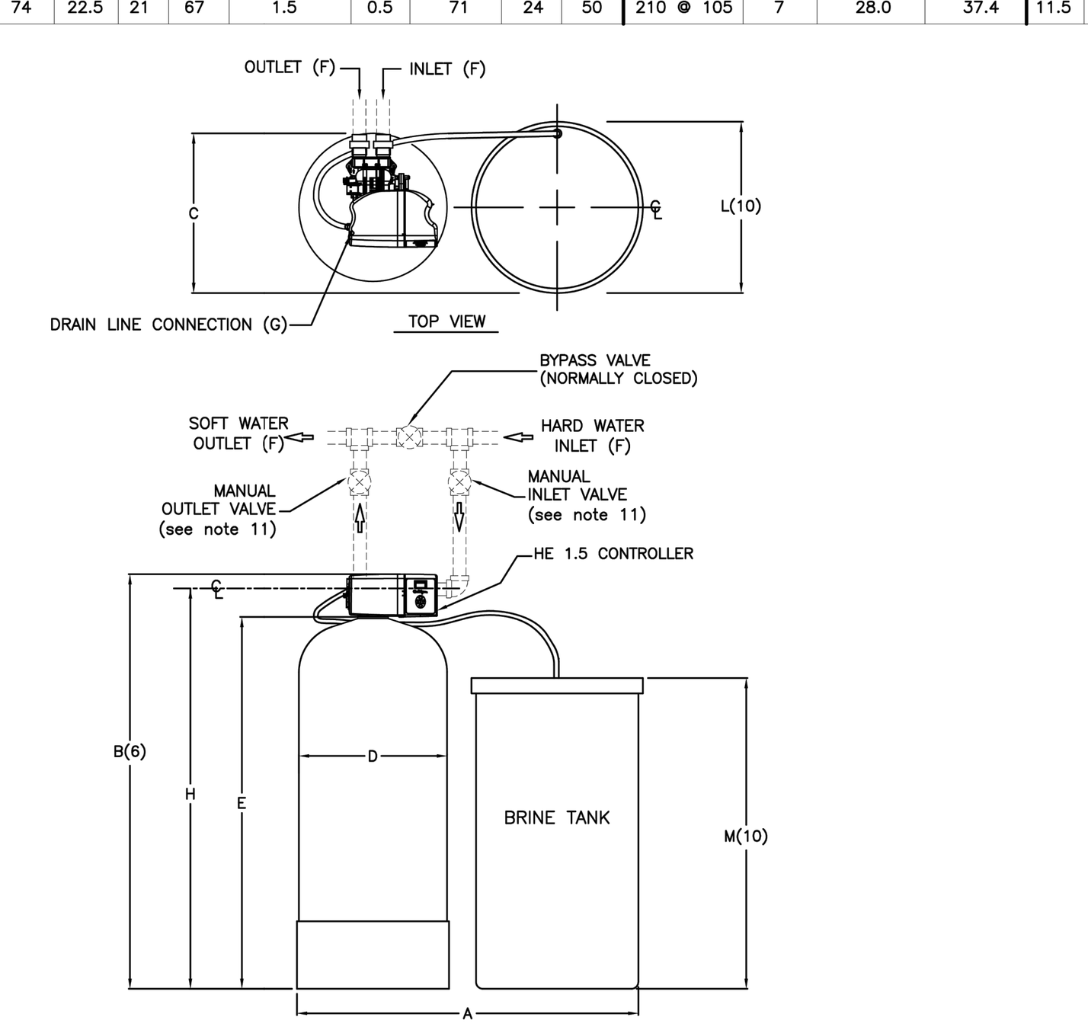
NOTES:
1. SCHEDULE 40, GALVANIZED STEEL PIPE AND FITTINGS.
2. SEE PLANS FOR PIPE SIZES.

TYPICAL COIL CONDENSATE DRAIN PIPING DETAIL (DRAW-THRU)
NOT TO SCALE

NOTES:

(1) ITEMS SHOWN IN BROKEN LINES TO BE FURNISHED BY OTHERS.
(2) ALL DIMENSIONS ARE ± 1 INCH (25mm) AND SUBJECT TO CHANGE WITHOUT NOTICE.
(3) UNIONS SHOULD BE LOCATED ON INLET AND OUTLET CONNECTIONS OF CONTROL VALVE TO FACILITATE SERVICING.
(4) THE USE OF DISSIMILAR METALS IN A PIPING SYSTEM IS NOT RECOMMENDED. WHERE DISSIMILAR METALS MUST BE CONNECTED IN A WATER SYSTEM. THE USE OF NONCONDUCTIVE (DIELECTRIC) FITTINGS MAY REDUCE GALVANIC CORROSION.
(5) AN ELECTRICAL OUTLET SHOULD BE PROVIDED WITHIN FIVE FEET OF THE EQUIPMENT LOCATION.
(6) ALLOW A MINIMUM OF 24 INCHES ABOVE SOFTENER FOR FILLING.
(7) TO PERMIT THE OBSERVATION OF THE DRAIN FLOW DO NOT MAKE A DIRECT CONNECTION TO THE DRAIN. PROVIDE AN AIR GAP OF AT LEAST FOUR TIMES THE DIAMETER OF THE DRAIN PIPE OR CONFORM TO LOCAL SANITATION CODES.
(8) SYSTEM USES FRP TANKS WHICH MUST NOT BE SUBJECTED TO VACUUM. INSTALL SIPHON BREAK ON DRAIN LINE. INSTALL VACUUM BREAKER ON INLET PIPING IF THE SERVICE LINE IS SUBJECT TO A VACCUM.
(9) FOR MAXIMUM PROTECTION OF THE CONTROLLER, IT IS RECOMMENDED THAT A DEDICATED 120 VOLT CIRCUIT IS PROVIDED.
(10) BRINE TANK DIMENSIONS SHOWN ARE FOR THE BRINE TANK MOST COMMONLY SELECTED FOR USE WITH THIS SIZE SYSTEM.
(11) SHIPPING AND OPERATING WEIGHTS SHOWN ON THIS DRAWING INCLUDE THE BRINE SYSTEM.

	DIMENSIONS (INCHES)										UNIT DATA PER TANK							
MODEL	WIDTH A	HEIGHT B(6)	DEPTH C	TANK DIA. D	TANK HEIGHT E	INLET/OUTLET PIPE SIZES F	DRAIN SIZE G	FLOOR TO INLET H	BRINE TANK DIA. L(10)	BRINE TANK HEIGHT M(10)	MAX. CAPACITY KGR @ SALT DOSAGE	RESIN VOLUME ft^3	CONTINUOUS FLOW gpm @ 15 psi drop	PEAK FLOW gpm @ 25 psi drop	DRAIN FLOW gpm	MIN. DRAIN PIPE SIZE IN.	SIMPLEX OPER. WT. lbs.	SIMPLEX SHIP. WT. lbs.
HE-060	38	53	16	14	46	1.5	0.5	50	18	38	60 @ 30	2	25.1	31.5	5.5	0.5	855	257
HE-090	46	60	20	16	53	1.5	0.5	57	24	40	90 @ 45	3	26.6	35.2	5.5	0.5	1245	355
HE-120	46	72	20	16	65	1.5	0.5	69	24	40	120 @ 60	4	23.3	31.8	5.5	0.5	1380	415
HE-150	48	74	21	18	67	1.5	0.5	71	24	40	150 @ 75	5	27.2	35.8	7	0.5	1575	505
HE-210	51	74	22.5	21	67	1.5	0.5	71	24	50	210 @ 105	7	28.0	37.4	11.5	0.5	2075	660



DO NOT SCALE DRAWING. TOLERANCES: ±1/8" UNLESS OTHERWISE NOTED

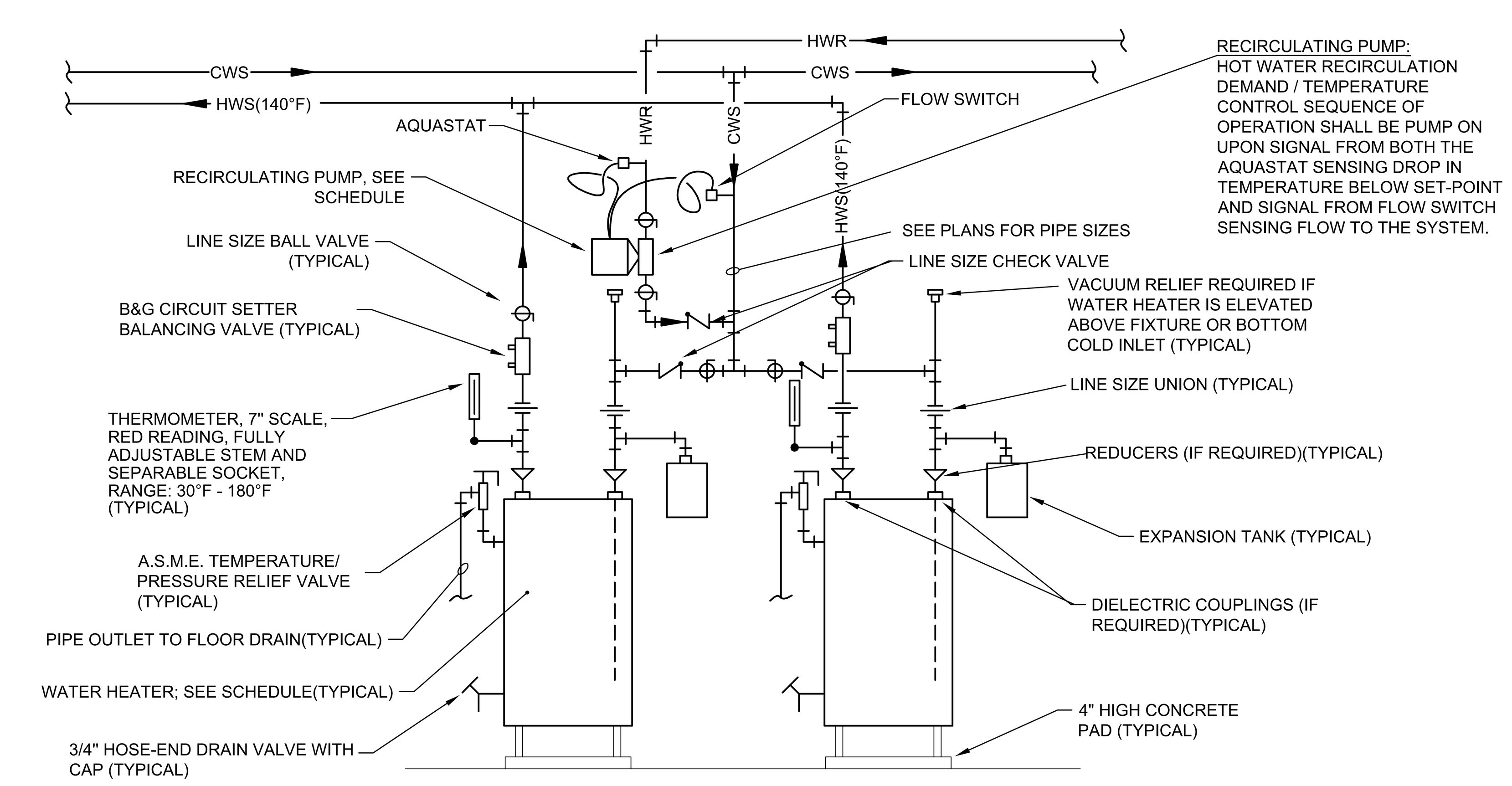
Culligan® ENGINEERED SYSTEMS, ROSEMONT, ILLINOIS

PRINT AND BILL OF MATERIAL ARE NOT TO BE USED WITHOUT THE WRITTEN CONSENT OF CULLIGAN INTERNATIONAL CO.

NAME: HE 1.5" AUTOMATIC SOFTENER SINGLE TECHNICAL DATA SHEET
DETAILED BY: BBV 03/24/11 | APP. BY: | SHEET 1 OF 1
PART NO.: HE 1.5 S-1

WATER SOFTENER DETAIL
NOT TO SCALE

NOT TO SCALE



DOMESTIC WATER HEATER (2) PIPING DETAIL
NOT TO SCALE

ISSUE FOR PROGRESS

OWNER RELEASE: I HAVE REVIEWED THESE DRAWINGS FOR DESIGN INTENT AND HEREBY CERTIFY THAT THEY CONFORM IN ALL RESPECTS TO MY DESIGN CRITERIA AND ARE APPROVED.

BY ______ DATE ______

THESE DRAWINGS MAY HAVE BEEN REPRODUCED AT A SIZE DIFFERENTLY THAN ORIGINALLY DRAWN. OWNER AND ARCHITECT ASSUME NO RESPONSIBILITY FOR USE OF INCORRECT SCALE.

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH CONSTRUCTION AND NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR CONFLICTS.

NO	DATE	DESCRIPTION
1	Ø4.25.25	ISSUE FOR PERMIT

WCW Engineers, Inc.
760 Creel Drive
Wood Dale, Illinois 60191
Tel. 630/595-6600
Fax 630/595-6818
www.WCWEngineers.com

STATE OF MISSOURI — JOSEPH G. THOMAS — NUMBER E-27428 — REGISTERED PROFESSIONAL ENGINEER

CERTIFICATION:

ANCHO & AGAVE
SUMMIT FAIR SHOPPING CENTER
D-BUILDING
860-A NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086

CARR WARNER ARCHITECTS
ARCHITECTURE
INTERIORS
PLANNING
3711 N. RAVENSWOOD
SUITE #104
CHICAGO, ILLINOIS 60613
p 773-477-9009
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www.carrwarner.com

PLUMBING DETAILS

JOB NO:	SHEET NO:
ANCHO - SUMMIT FAIR	P5.2
DATE: 04.25.2025	

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SECTION 15060 PIPE, PIPE FITTINGS AND PIPE SPECIALTIES

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

A. Drawings and general provisions of Contract, including General and Supplementary Conditions and General Requirements Division Specification Sections, apply to work of this Section.

B. Requirements of the MECHANICAL BASIC MATERIALS AND METHODS section applies to the Work specified in this Section.

1.02 DESCRIPTION OF WORK

A. This part defines the pipe and fittings to be used for all services installed under this Division.

B. Refer to the Drawing Legends and Symbol Schedules for definition of the designators used in the following Specification.

1.03 QUALITY ASSURANCE

A. All materials and workmanship described herein shall be in accordance with the latest editions and addenda of the codes and standards listed below and all Federal, State, and local codes. Should there be any conflict between any code, standard, and/or specification, the more stringent shall govern.
1. ANSI- American National Standards Institute,
2. API - American Petroleum Institute,
3. ASME - American Society of Mechanical Engineers,
4. ASTM - American Society for Testing and Materials,
5. AWS- American Welding Society,
6. AWWA - American Water Works Association
7. MSS - Manufacturer Standardization Society of the Valve and Fitting Industry,
8. NFPA - National Fire Protection Association, and
9. 3-A - Sanitary Standards, International Association of Milk, Food and Environment Sanitarians, Inc.

1.04 SUBMITTALS

A. Submit manufacturer's technical product data, including rated capacities of selected pipe and pipe fittings clearly indicated, weights (shipping, installed, and operating), furnished specialties, and accessories.

1.05 PRODUCT DELIVERY, STORAGE AND HANDLING

A. Handle pipe, pipe fittings, and piping accessories carefully to prevent damage, breaking, denting and scoring

B. Do not install damaged pipe, pipe fittings, and piping accessories; replace with new.

C. Store pipe, pipe fittings, and piping accessories in clean dry place. Protect from weather, dirt, water construction debris, and physical damage.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

A. Subject to compliance with requirements, provide pipes, pipe fittings, and piping accessories from qualified manufacturer with products that are in compliance with Codes, Standards, and these Specifications.

2.02 PIPE AND FITTINGS RELATED TO PLUMBING PIPING

A. Domestic Water Distribution:
1. Piping shall be type 'L' hard temper copper tubing made up with wrought copper fittings using 95-5 (LEAD-FREE) solder.
2. Piping under floor shall be Type 'K' soft temper copper tubing with flare fitting joints.

B. Storm and Sanitary Sewer: Below grades inside building.
1. Piping shall be service weight cast iron soil pipe, ASTM A74-72; with lead and oakum joints.
2. Preformed joints may be used if acceptable to the local authorities having jurisdiction.
3. Piping and fittings may be plastic DWV schedule 40 PVC using primer and solvent cement joints, foam core piping is not acceptable, at Contractor's option if acceptable to local authorities having jurisdiction.

C. Storm and Sanitary: Above grade inside building.
1. 2-1/2" and larger: Piping shall be service weight cast iron soil pipe and fittings, ASTM A74-72, with lead and oakum joints.
2. 2" and smaller: Piping shall be Schedule 40 galvanized pipe with black cast iron drainage fittings, or Type M copper tubing made up with wrought copper fittings and solder joints.
3. NO-HUB joints may used if acceptable to the local Authorities having jurisdiction.
4. Piping and fittings may be plastic DWV schedule 40 PVC using primer and solvent cement joints, foam core piping is not acceptable, at Contractor's option if acceptable to local authorities having jurisdiction.

2.03 PIPE AND FITTINGS RELATED TO MECHANICAL PIPING

A. Gas Piping:
1. Gas piping above the floor shall be black, Schedule 40, ASTM A53 steel pipe. Fittings shall be black, malleable iron for piping 2" and smaller and welding fittings for piping 2-1/2" and larger.
2. Gas piping below grade shall be black, Schedule 80, ASTM A53, all welded construction, wrapped with asphalt impregnated Kraft paper. Finish joints with Bitumastic #50 and paper.
3. Piping encased in the concrete floor slab shall be Type 'K' hard copper with wrought copper fittings made up with 95-5 solder.

B. Refrigerant Piping:
1. Piping shall be type 'K' or 'L' hard copper. Fittings shall be wrought copper.
2. All joints shall be brazed.

C. Condensate Drain Piping:
1. Piping shall be Schedule 40, galvanized steel or type 'M' hard copper pipe and fittings for interior use.
2. Piping shall be Schedule 40 PVC plastic pipe and fittings for exterior use.

2.04 SUPPORTS

A. Contractor shall furnish and install all angles, channels, plates, or beams required for the support of the equipment of each Section, whether shown on the Drawings or not.

B. Furnish and install all rods, auxiliary structural steel frames, attachments, brackets and platforms required for support of equipment from overhead construction for the respective Section.

C. Vertical pipe risers shall be anchored midway of their height, and shall be supported at each floor by 1-1/2" x 1/4" bar clamps attached to pipes and resting on the floor construction.

D. Horizontal piping shall be supported by adjustable, wrought, clevis type hangers, Fee & Mason, Elcen, or Crawford. Where parallel pipes are installed at the same level, provide trapeze hangers; the various trades shall cooperate in the joint use of such hangers. Pipe hangers shall be of size to suit pipe covering protection saddles.

E. Pipes shall be supported only from the structural members of the building. They shall be supported at such intervals as will prevent sagging, and so that excessive loads will not be placed upon any one support. Spacing and rod sizes shall be as follows:

Pipe Size	Maximum Spacing	Minimum Rod Size
1/2"	6'-0" and at all turns	3/8"
3/4", 1"	7'-0" and at all turns	3/8"
1-1/4", 1-1/2", 2"	9'-0" and at all turns	3/8"
2-1/2", 3"	10'-0" and at all turns	1/2"
4", 6"	14'-0" and at all turns	5/8"
8", 10", 12"	16'-0" and at all turns	3/4"

F. The rod supporting the hanger shall be no longer than 1/2" below the lower nut. All-threaded rod shall be galvanized.

2.05 VALVES

A. All connections shall be properly valved: Install valves in the supply, return, drain, vent, and all other locations as may be necessary to shut off a portion of a system whether shown on the Drawings or not, and specifically where hereinafter specified.

B. All valves shall comply with the Schedule or Legend on the Drawings. Where valves are not scheduled or shown in the legend, they shall be rated for the service.

C. Any domestic hot water supply or cold water supply serving two or more fixtures shall be separately valved in addition to the shut off valve required at each fixture.

D. Make provisions for draining all low points of all piping systems whether indicated on the Drawings or not, using a globe valve and iron pipe thread to hose thread adapter with cap. Drains shall not be less than 3/4".

PART 3 - EXECUTION

3.01 ARRANGEMENT AND ALIGNMENT

A. All piping shall be arranged and aligned in accordance with the Drawings. Elevations as given must be held. Floor elevations where given are to high points of floor. Dimensions must be held as closely as possible. All dimensions are to be field checked for accuracy before pipe is fabricated.

B. Install all piping straight and direct as possible, generally forming right angles with, or running parallel with, walls or adjacent piping. All piping shall be neatly spaced with risers and drops running plumb and true.

C. Run piping in wall chases, pipe shafts, hung ceilings, recesses, etc., where same are provided. Do not run service piping in floor slab fill unless specifically so noted on Drawings. Piping shall not be covered or closed until testing is completed.

D. Drawings, in general, are made to scale. All dimensions shall be checked in the field by the Contractor before final connections are fabricated

E. Drawings for small piping are, in general, diagrammatic and the exact location of these lines shall be determined by the Contractor from field measurements taken by him. The actual arrangement of the small size piping, when erected, shall follow the general locations shown on the Drawings as far as practicable. The installation made in this way shall be neat in appearance and convenient to operate, and shall provide for proper expansion and drainage.

F. Installation of piping systems shall be coordinated with other work to avoid blocking building openings, light fixtures, etc. Piping shall not interfere with access to valves or equipment and shall not obstruct passageways. Piping shall be installed to provide working clearance for operation and maintenance.

3.02 PIPE CLEARANCES

A. Install piping to provide minimum clearance of at least one inch between extreme projections of piping, flanges, fittings, valves, allowing for insulation, pipe expansion and the like.

3.03 PIPING EXPANSION

A. Special attention shall be given to the installation of hot and cold lines which have an appreciable movement so that they will not hit other pipes, structural members and the like when they heat up or cool.

B. Install anchors where shown on the Drawings and where required.

C. Guides are to be furnished on each side of all expansion loops, offsets, swing joints and expansion joints whether or not detailed on the Drawings.

D. Cold springing where required shall be done with anchors, hangers and sliding supports in place.

3.04 LOCATION OF VALVES, ETC.

A. System components which require observation, operation or maintenance - such as valves, gauges, controls, strainers, dirt pockets, cleanouts, unions and flanges, etc. - shall be located whenever possible so as to be readily accessible. They shall not be concealed in chases or above ceilings without provision for access. Valves which require frequent operation, or which may require emergency operation, and which are not accessible from normal working level, should be installed with appropriate provisions such as chain wheels or extension stems.

B. Install all valves with stems in either an upright (preferred) or horizontal position. Control valves shall be installed with top works upward unless specifically shown otherwise.

C. Globe valves should be installed to seat against the direction of flow.

3.05 DRAINAGE AND VENTING

A. Where lines are purposely pitched for drainage or venting, an accurate grade shall be maintained. Lines shall be supported in such a manner as to prevent deflection of the piping sufficient to pocket the lines.

3.06 FLUSHING AND TESTING

A. All new water piping systems shall be flushed using water. Low point drains shall be opened and the systems proved to be drainable.

B. The new equipment shall be flushed independently from their piping systems. Do not flush piping system thru the equipment. Do not use system pumps until systems are flushed clean.

C. All closed water systems, operating under pressure, shall be tested, with water, at 1 1/2 times their operating pressure or 100 PSIG whichever is greater, for one (1) hour.

D. All open systems, sewers, etc., shall be tested with water, at a head of ten (10) feet above finished floor or grade, for four (4) hours.

E. Refrigerant piping shall be flushed using environmentally approved agents that will be compatible with the refrigerant gas of the permanent system. Evacuate the system with a vacuum pump. Fill with required refrigerant gas to operating pressure and flame test all connections and joints.

F. Gas piping shall be flushed using 100 PSIG compressed air. After flushing, the pipe system shall be tested in accordance to the means and methods as outlined in NFPA-54, latest edition. The test shall be applied for a minimum of one (1) hour, or longer as required by NFPA-54.

G. All piping systems shall be tested. If leaks occur, the pipe or fitting shall be removed and replaced and the system retested.

H. Piping shall not be backfilled or insulated until tested. Tests must be observed by the Architect/Engineer.

3.07 PIPE AND FITTINGS

A. All pipe sizes referred to in these Sections should be interpreted as IPS (iron pipe size) unless specifically designated otherwise, such as "O.D." for tubing.

B. Full lengths of pipe shall be used wherever possible. Short lengths of pipe with couplings will not be permitted.

C. All pipe shall be cut to exact measurement to be installed without forcing (except where cold springing is specifically called for). After cutting, ends shall be reamed and cleaned to eliminate foreign matter.

D. Cutting or other weakening of the building structure to facilitate piping installation will not be permitted.

E. All pipe and fittings shall be marked by the manufacturer in accordance with the marking sections of the standards of the Standard Marking System for Valves, Fittings, Flanges and Unions of the Manufacturers Standardization Society of the Valve and Fittings Industry.

F. Make all changes in size and direction of piping with fittings. Do not use bends, miter fittings, face or flush bushings, street elbows or field-fabricated reducers.

G. Close nipples shall not be permitted; use only shoulder nipples. Shoulder nipple with shoulder length less than 1-1/2" shall be of heavy wall pipe; nipples having shoulder length of 1-1/2" or greater shall be of same schedule as connected pipe.

H. Unless otherwise shown on the Drawings, install all supply piping to coils, pumps and other equipment including valves and strainers therein, at line size. If a reduction is required at a pump or control valve, the reducer shall be installed abutting the inlet and/or outlet of the pump or valve.

3.08 REDUCING FITTINGS

A. Use eccentric reducing fittings or eccentric reducing couplings where required to prevent pocketing of liquid.

B. Where eccentric reducers are used, the straight side should be installed on top for pump suction and hot water heating lines, and on the bottom for all other lines.

3.09 CONNECTIONS TO EQUIPMENT AND SPECIALTIES

A. Piping systems shall be installed complete to equipment connections or terminal use points.

B. Piping shall be fabricated carefully and accurately to meet connections on equipment without springing the pipe.

C. Provide unions or flanges at all piping connections to coils, equipment, control valves, pressure reducing valves, steam traps, etc., at all locations as shown on the Drawings, and generally as required to disconnect piping from equipment and apparatus. Arrange connections so that the equipment served may be removed without disturbing the piping. Where valves serve to isolate equipment or specialties, the unions or flanges shall be located between valves and equipment or specialties. Unions shall generally be used for pipe sizes 2" and smaller and flanges for pipe sizes 2-1/2" and larger.

3.10 DIELECTRIC CONNECTIONS

A. Provide dielectric fittings between ferrous and copper piping.

3.11 PIPE SLEEVES

A. Provide all pipe openings through walls, partitions and slabs with sleeves having an internal diameter at least 1" larger than the outside diameter of the pipe for un-insulated lines or of the thickness of the insulation for insulated services.

B. Install sleeves through interior walls and partitions flush with finished surfaces; sleeves through outside walls are to project 1/2" on outside of the finished wall. Floor sleeves are to project 2" above finished floors.

C. Set sleeves in place before pouring concrete or securely fasten and grout in with cement.

D. Sleeve Construction:
1. Interior Partitions: No. 22 gauge galvanized sheet steel with soldered joint.
2. Interior Masonry Walls and Floors: Schedule 40 galvanized steel pipe.

E. Interior Walls: Fill the space between outside of pipe or insulation and the inside of the sleeve or framed opening with fiber glass.

F. Exterior Walls: Pack with oakum, seal with lead and watertight mastic or asphalt.

G. Provide escutcheons on both sides of the penetration through the structure for all pipes exposed to view passing through walls, floors, ceilings, and partitions, whether or not insulated. For pipes passing through floors, escutcheons shall fit over the sleeves.

H. Where sleeves are located in firewalls, the annular space around the piping shall be filled with material rated to match firewall rating.

3.12 SCREWED JOINTS

A. Cut threads full and clean with sharp dies.

B. Ream ends of pipe after threading and before assembly, to remove burrs.

C. Leave not more than three pipe threads exposed at each connection.

D. Use joint sealant or tape on male threads only.

3.13 FLANGED JOINTS

A. Use steel bolts with square heads and hard-pressed steel hexagon nuts (threaded to the ANSI Standard Coarse Thread Series #2 fit).

B. All bolt holes are to be spot-faced.

C. Flange dimensions and drilling are to conform to ANSI Standards for the pressure classes involved.

D. Where a cast iron, flat-faced flange joins a steel flange, the steel flange must also have full, flat face. Use full face gasket.

E. Mate raised-faced flanges to raised-face. Use ring type gasket.

3.14 SOLDERED AND BRAZED JOINTS

A. All soldered and/or brazed joints shall be made in accordance with good practice. Tube ends shall be square cut and reamed, straightened and rounded with straightening tools as necessary.

B. Fitting and tube surfaces shall be properly cleaned with steel wool or emery cloth and a suitable flux shall be used in accordance with manufacturer's recommendations. Uniform heat shall be applied by the use of blow torch, electric joint heater, or oxyacetylene torch. Adequate cooling time shall be allowed before washing or quenching. Appurtenances that are fragile or heat sensitive shall be protected against overheating, or the sensitive parts shall be removed during this application of heat.

C. All soldered joints shall be made using 95-5 solder.

D. All brazed joints shall be made using Silfoss or silver solder.

3.15 COMPRESSION JOINTS

A. Cut ends of pipe square.

B. Remove all burrs on inside and outside of pipe.

C. Clean joint contact surfaces with steel wool before assembly.

D. Assemble joint in accordance with manufacturer's instructions.

3.16 WELDING FITTINGS

A. Butt-welding fittings shall be manufactured according to ANSI Standard B16.9 (latest edition). Mitered joint elbows and field fabricated reducers are not permitted.

B. Make all branch connections with tees, except that on steel piping, forged steel "Weldolets" as manufactured by Bonney Forge may be used where the branch pipe is not larger than one-half the size of the main pipe (nominal sizes).

3.17 WELDED JOINTS

A. In general, all welding on carbon steel pipe and fittings shall be done by the Metal Arc Process.

B. Welding operations shall conform to Chapter V, of the Code for Pressure Piping, ANSI B31.3, latest edition.

C. Welders and welding procedures shall be certified where required by Section IX of the ASME Boiler and Pressure Vessel Code, latest edition.

D. Tack welds used in assembly pipe, fittings, etc., shall be made by a qualified welder or shall be removed. Tack welds, which are not removed, shall be made with an electrode which is the same as or equivalent to the electrode to be used for the first pass. Tack welds must be thoroughly cleaned, ground smooth, carefully examined for cracks, and all cracks removed before additional metal may be deposited. No metal shall be tack-welded inside pipe for alignment purposes.

3.18 CAULKED JOINTS

A. Joints in cast iron bell and spigot piping shall be firmly packed with oakum and shall be filled with pure lead, minimum 1" deep. Joint shall then be caulked.

3.19 PREFORMED JOINTS

A. Where ASTM C425 joints are used, they shall be wiped clean and the solvent applied in accordance with ASTM procedures.

3.20 MECHANICAL JOINTS

A. Clean spigot and bell with wire brush. Brush surfaces and gasket with soapy water. With gland and gasket in place on spigot, insert into bell. Seat spigot in bell and press gasket into bell and pull gland against bell. Install bolts and nuts fingertight. Finish with a torque wrench, range 60 to 90 foot pounds.

END SECTION

SECTION 15400 PLUMBING

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

A. Drawings and general provisions of Contract, including General and Supplementary Conditions and General Requirements Division Specification sections, apply to work of this section.

B. Requirements of the MECHANICAL BASIC MATERIALS AND METHODS section applies to the Work specified in this Section.

1.02 DESCRIPTION

A. This section provides for the installation of plumbing systems, fixtures, equipment and accessories.

1.03 SHOP DRAWINGS

A. Provide ¼" scale shop drawings for all piping systems.

PART 2 - PRODUCTS

2.01 PLUMBING FIXTURES AND ACCESSORIES

A. Provide plumbing fixtures and accessories as scheduled and noted.

2.02 VACUUM BREAKERS

A. Provide vacuum breakers for plumbing fixtures and supply fittings having a submerged outlet or hose end.

2.03 CLEANOUTS

A. Provide cleanouts for drainage systems as scheduled or noted.

2.04 DRAINS AND ACCESSORIES

A. Provide drains and accessories as scheduled, noted and detailed.

2.05 FLASHINGS

A. Provide 4 pound sheet lead flashings for roof drains and vents.

2.06 TRANSITION COUPLINGS

A. Provide transition couplings between piping of dissimilar materials.

2.07 THERMOMETERS AND GAUGES

A. Provide thermometer and gauges per drawing legends.

B. They shall be separable socket, adjustable angle type.

C. Manufacturers: Trerice, Marsh, Marshalltown.

2.08 HOT WATER GENERATORS

A. Provide hot water generators per drawing legend.

2.09 STORAGE TANK

A. Provide hot water storage tank, per drawing legend.

2.10 BACKFLOW PREVENTERS

A. Provide backflow preventers where shown.

2.11 THERMOSTATIC MIXING VALVES

A. Provide thermostatic mixing valves per drawing schedule.

2.12 CIRCULATING PUMPS

A. Provide hot water recirculation pump.

B. Provide immersion aquastat per drawing legend.

2.13 INTERCEPTOR TRAPS

A. Provide grease trap per drawing.

PART 3 - EXECUTION

3.01 SEWER SYSTEMS

A. Provide sewer/drainage systems per the drawings.

B. Provide cleanouts in the drainage systems per the drawings.

C. Provide cleanouts at the base of risers, ends of horizontal mains, changes in direction and maximum of fifty (50) feet centers in main runs.

3.02 TRAPS

A. Provide traps for each fixture and drain.

B. Trap shall be same size as fixture of drain outlet.

3.03 FLASHINGS

A. Provide 24 inch square flashing for vents.

B. Turn vent flashings down into vent pipe.

3.04 COLD WATER SYSTEM

A. Provide a cold water distribution system, as shown, scheduled and detailed.

3.05 HOT WATER SYSTEM

A. Provide a hot water distribution system as shown, scheduled and detailed.

3.06 AIR CHAMBERS

A. Provide air chambers for hot and cold water connections to a supply fitting.

3.07 DISINFECTION OF DOMESTIC WATER PIPING

A. The disinfecting agent shall be one of the following: Sodium hypochlorite solution (commercially available bleach), calcium hypochlorite granules or tablets, or chlorine gas. The choice for a particular job will depend on the configuration of the system to be treated, the convenience and safety factors involved, etc.

B. Provide nipples and valves as required to introduce disinfectant and water, to vent air and to drain the solution, whether or not these connections are shown on the Drawings.

C. Fill the system uniformly with a disinfection solution of 100 ppm available chlorine. The disinfectant shall be retained not less than 24 hours. As an alternate, a solution of 300 ppm held for 3 hours is also acceptable. After the holding period, a test for residual chlorine shall be made. If none is found, the system shall be drained and the disinfection procedure repeated. When a positive residual chlorine test is accomplished, the system shall be flushed with potable water and put into operation.

D. Work shall comply with requirements of Federal, State and Local Authorities.

3.08 THERMOMETERS

A. Provide thermometers and gauges per drawing details.

3.09 HOT WATER GENERATORS

A. Provide generators, accessories and trim per drawing details.

3.10 STORAGE TANK

A. Provide tank, accessories and trim per drawing details.

3.11 INSULATION

A. Provide plumbing piping and equipment insulation per MECHANICAL INSULATION Section.

3.12 INTERFACE CONNECTIONS

ISSUE FOR PROGRESS

NO	DATE	DESCRIPTION
1	04.25.25	ISSUE FOR PERMIT

WCW Engineers, Inc.
160 Crowl Drive
Wood Dale, Illinois 60191
Tel. 630/595-8800
Fax 630/595-8815
www.WCWengineers.com

STATE OF MISSOURI
JOSEPH G. THOMAS
NUMBER E-27428
REGISTERED PROFESSIONAL ENGINEER

CERTIFICATION:

ANCHO & AGAVE
SUMMIT FAIR SHOPPING CENTER
D-BUILDING
860-A NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086

CARR WARNER ARCHITECTS
ARCHITECTURE
INTERIORS
PLANNING
3711 N. RAVENSWOOD
SUITE #104
CHICAGO, ILLINOIS 60613
p 773-477-9009
f 773-477-6888
www.carrwarner.com

PLUMBING SPECIFICATIONS

JOB NO:	SHEET NO:
ANCHO - SUMMIT FAIR	P6.1
DATE: 04.25.2025	

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A. Provide interface connections to the work of other trades per drawings.

3.13 PIPING IDENTIFICATION

A. All new piping, installed under this Contract, shall be identified as to the type o service, and the direction of flow, using a system currently in use by the Owner.

B. Where piping is insulated, pipe identification markers shall be installed after the insulation has been installed.

C. Pipe identification markers shall be installed at each equipment connection and or twenty (20) foot centers for runs of straight piping.

3.14 ACCESS DOORS

A. Install access doors in the building construction where shown on the drawings o where required to access valves and cleanouts.

B. Coordinate installation with the General Contractor.

3.15 BACKFLOW PREVENTERS

A. Install preventers complete with drain. All piping in accordance with manufacturer's literature.

3.16 THERMOSTATIC MIXING VALVES

A. Install thermostatic mixing valve and accessories per manufacturer's literature.

3.16 CIRCULATING PUMPS

A. Provide pumps per drawing.

B. Provide well in piping for aquastat.

C. Electric wiring by Electrical Contractor to extent shown on electrical drawings. Al other wiring by this Contractor.

END SECTION

SECTION 15486
NATURAL GAS PIPING SYSTEMS

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

A. Drawings and general provisions of Contract, including General and Supplementary Conditions and General Requirements Division Specification sections, apply to work of this section.

B. Requirements of the MECHANICAL BASIC MATERIALS AND METHODS sectio applies to the Work specified in this Section.

1.02 DESCRIPTION

A. This section provides for the installation of natural gas piping systems.

1.03 SHOP DRAWINGS

A. Provide 1/4" scale shop drawings for all piping systems.

PART 2 - PRODUCTS

2.01 PROVIDE GAS PIPING SYSTEM PRODUCTS

A. Gas cocks and unions.

B. Pipe, fittings and piping specialties.

C. Protective coatings.

D. Pressure regulators.

E. Gas service meter and apparatus support.

PART 3 - EXECUTION

3.01 CODE COMPLIANCE

A. Current NFPA-54-National Fuel Gas Code.

B. Underwriters' Laboratories, Inc.

C. American Gas Association.

D. All current local, State and Federal applicable.

3.02 NATURAL GAS SERVICE

A. The gas utility will provide a gas service and meter.

B. Provide a concrete pad and steel pipe stands/platforms for meter, per drawings.

3.03 NATURAL GAS DISTRIBUTION

A. Provide a gas distribution system from the meter to the gas-fired equipment and appliances, per drawings.

3.04 NATURAL GAS PIPING INSTALLATION

A. Install concealed gas piping in an air-tight conduit constructed of Schedule 40 seamless black steel with welded joints. Vent conduit to the outside and terminate with a screened vent cap.

B. Extend vents from pressure regulators to the outside with screened vent cap.

C. Refer to BASIC MATERIALS AND METHODS SECTION for cleaning, testing an other installation requirements.

END SECTION

ISSUE FOR PROGRESS

NO	DATE	DESCRIPTION
1	04.25.25	ISSUE FOR PERMIT

WCW Engineers, Inc.
760 Creel Drive
Wood Dale, Illinois 60191
Tel. 630/595-8800
Fax 630/595-8818
www.WCWengineers.com

STATE OF MISSOURI
JOSEPH G. THOMAS
NUMBER E-27428
REGISTERED PROFESSIONAL ENGINEER

CERTIFICATION:

ANCHO & AGAVE
SUMMIT FAIR SHOPPING CENTER
D-BUILDING
860-A NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086

CARR WARNER
ARCHITECTS
ARCHITECTURE
INTERIORS
PLANNING
3711 N. RAVENSWOOD
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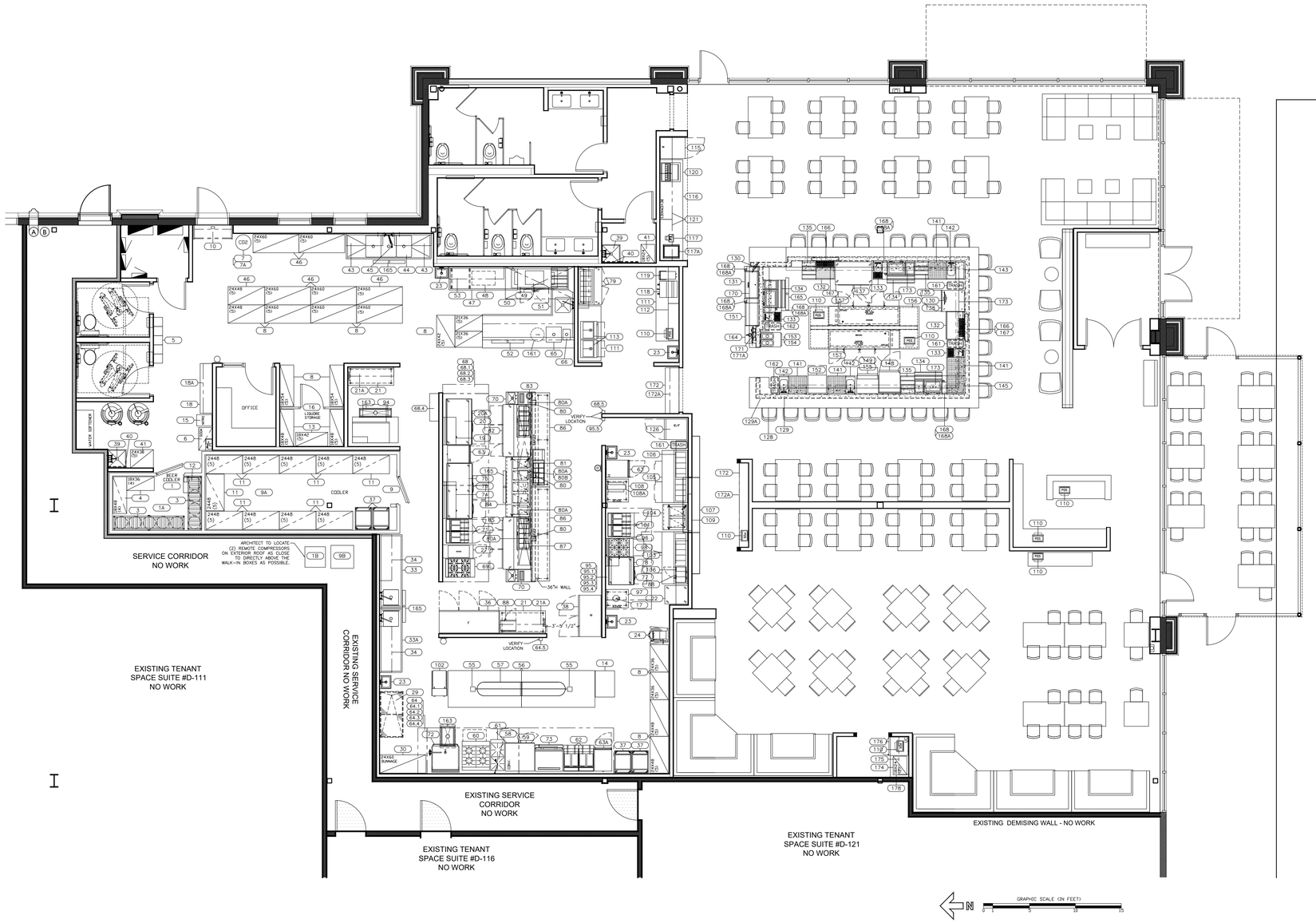
PLUMBING SPECIFICATIONS

JOB NO:	SHEET NO:
ANCHO - SUMMIT FAIR	P6.2
DATE: 04.25.2025	



GENERAL NOTES

- THIS PLAN IS FOR INFORMATION ONLY AND NOT FOR CONSTRUCTION PURPOSES. INFORMATION ON THIS SHEET IS TO REVIEWED BY THE OWNER, AND/OR ARCHITECT, AND INCORPORATED INTO THE BUILDINGS' MECHANICAL PLANS IN ACCORDANCE WITH LOCAL CODES.
- THE OWNER SHOULD SUBMIT THESE PLANS TO LOCAL BUILDING, HEALTH AND FIRE DEPARTMENT OFFICIALS FOR APPROVAL.
- ALL ROUGH IN WORK AND FINAL MECHANICAL CONNECTIONS (I.E. PLUMBING, ELECTRICAL, VENTILATION AND CONSTRUCTION) ARE TO BE BY OTHERS.
- K.E.C. WILL NOT BE RESPONSIBLE FOR DISCREPANCIES IN THE CONNECTIONS SHOWN FOR EQUIPMENT NOT SUPPLIED BY K.E.C. CONTRACTORS SHOULD VERIFY THESE CONNECTIONS WITH OWNER AND/OR SUPPLIER.
- CONTRACTORS TO MAKE USE OF ANY CONNECTIONS ALREADY INSTALLED IN EXISTING BUILDING WHENEVER POSSIBLE.
- CONTRACTORS TO PROVIDE AND INSTALL WALL BACKING FOR WALL SHELVES. WALL MOUNTED HANDSINKS, WALL MOUNTED COOKING EQUIPMENT, ETC. VERIFY THESE LOCATION WITH OWNER.
- FLOOR DRAINS AND/OR FLOOR SINKS SHOWN ARE RECOMMENDED LOCATIONS, MECHANICAL ENGINEER TO VERIFY CODE REQUIREMENTS
- ALL ELECTRICAL CONDUIT SHALL BE RUN ON TOP (EXTERIOR) OF WALK-IN & SHALL HAVE VAPOR SEALS ON INTERIOR & EXTERIOR OF CONDUIT.
- GENERAL CONTRACTOR SHALL FURNISH & INSTALL ROOF PAD FOR SECTION 114000 FURNISHED ROOFTOP REFRIGERATION RACK.

FOODSERVICE EQUIPMENT SCHEDULE

ITEM	QTY	DESCRIPTION	PROVIDED BY
1	1	BEER COOLER – NO FLOOR	A.D.E.
1A	1	BEER COOLER UNIT COOLER	A.D.E.
1B	1	BEER COOLER REFRIGERATION SYSTEM	A.D.E.
2		OPEN NUMBER	
3	2	KEG RACK	A.D.E.
4	LOT	BEER COOLER SHELVING UNITS	A.D.E.
5	LOT	LOCKERS	OWNER
6	1	SODA RACK	VENDOR
7	1	CO2	VENDOR
7A	1	CO2 DETECTOR	VENDOR
8	LOT	DRY STORAGE SHELVING UNITS	A.D.E.
9	1	WALK-IN COOLER (NO FLOOR)	A.D.E.
9A	1	WALK-IN COOLER UNIT COOLER	A.D.E.
9B	1	WALK-IN COOLER REFRIGERATION SYSTEM	A.D.E.
10	2	AIR CURTAIN	A.D.E.
11	LOT	COOLER SHELVING UNITS	A.D.E.
12	1	BEER CHILLER	A.D.E.
13	LOT	LIQUOR COOLER SHELVING UNITS	A.D.E.
14	1	HALF SIZE MOBILE CAN RACK W/ TOP	A.D.E.
15	1	NITRO	VENDOR
16	1	LIQUOR SECURITY GATE	A.D.E.
17	1	CORN TORTILLA PRESS	A.D.E.
18	1	STAINLESS STEEL COUNTER (LEGS & NO SHELF)	A.D.E.
18A	1	WALL SHELF	A.D.E.
19	1	36" TACO SALAMANDER	A.D.E.
20	1	60" TACO GRIDDLE	A.D.E.
20A	1	REFRIGERATED EQUIPMENT BASE	A.D.E.
21	2	60" WORK TABLES	A.D.E.
22	1	WORK TABLE W/ CASTERS	A.D.E.
23	5	HAND SINKS	A.D.E.
24	1	30 QT. FLOOR MIXER	A.D.E.
25		OPEN NUMBER	
26		OPEN NUMBER	
27	1	REFRIGERATOR	A.D.E.
28		OPEN NUMBER	

FOODSERVICE EQUIPMENT SCHEDULE

ITEM	QTY	DESCRIPTION	PROVIDED BY
29	1	MOBILE ICE BIN	A.D.E.
30	1	DUNNAGE RACK	A.D.E.
31		OPEN NUMBER	
32		OPEN NUMBER	
33	1	PREP TABLE W/ SINK	A.D.E.
33A	1	PREP TABLE W/ SINK	A.D.E.
34	LOT	WALL SHELVING	A.D.E.
35		OPEN NUMBER	
36	1	THREE-DOOR REACH-IN FREEZER	A.D.E.
37	5	PAN RACKS	A.D.E.
38	1	TWO-DOOR REACH-IN COOLER	A.D.E.
39	2	MOP SINK W/FAUCET	PLUMBER
40	5	MOP/BROOM HOLDERS	A.D.E.
41	2	CHEMICAL SHELF	A.D.E.
42		OPEN NUMBER	
43	LOT	WALL SHELVING	A.D.E.
44	1	THREE COMPARTMENT SINK	A.D.E.
45	1	PRE-RINSE SPRAY ARM	A.D.E.
46	LOT	DISH SHELVING	A.D.E.
47	1	CLEAN DISH TABLE	A.D.E.
48	1	BOOSTER HEATER	VENDOR
49	1	WAREWASHER	VENDOR
50	1	CONDENSATE EXHAUST HOOD	A.D.E.
51	1	SOILED DISHTABLE	A.D.E.
52	1	OVERSHELF	A.D.E.
53	1	WALL SHELVING	A.D.E.
54		OPEN NUMBER	
55	2	PULL DOWN ELECTRICAL CORDS W/ RECEPTACLES	OWNER
56	2	WORK TABLES	A.D.E.
57	1	CEILING HUNG POT RACK	A.D.E.
58	1	FILL FAUCET	A.D.E.
59	1	STACKED CONVECTION OVEN	A.D.E.
60	1	RANGE W/ CONVECTION OVEN (4 BURNER)	A.D.E.
61	1	STOCK POT RANGE	A.D.E.
62	2	FRYERS	A.D.E.

FOODSERVICE EQUIPMENT SCHEDULE

ITEM	QTY	DESCRIPTION	PROVIDED BY
63	2	HALF-HEIGHT HOT CABINETS	A.D.E.
63A	1	SMOKER OVEN	A.D.E.
64	1	EXHAUST HOOD	A.D.E.
64.1	1	EXHAUST FAN	HVAC
64.2	1	MAKE UP AIR FAN	HVAC
64.3	1	CONTROL CABINET	A.D.E.
64.4	1	FIRE SUPRESSION SYSTEM	A.D.E.
64.5	1	REMOTE FIRE PULL (VERIFY LOCATION)	A.D.E.
65	1	SILVER SINK	A.D.E.
66	1	DUMP SINK	A.D.E.
67	1	GLASS RACK DOLLY	A.D.E.
68.1	1	EXHAUST FAN	HVAC
68.2	1	MAKE UP AIR FAN	HVAC
68.3	1	CONTROL CABINET	A.D.E.
68.4	1	FIRE SUPRESSION SYSTEM	A.D.E.
68.5	1	REMOTE FIRE PULL (VERIFY LOCATION)	A.D.E.
69	1	RANGE W/ CABINET BASE (4 BURNER)	A.D.E.
70	2	HAND SINKS W/ SPLASH GUARDS	A.D.E.
71	2	FRYERS	A.D.E.
72	1	TILT SKILLET	A.D.E.
73	1	UPRIGHT BROILER	A.D.E.
74	1	48" CHEESEMELTER	A.D.E.
75	1	72" LONG GRIDDLE	A.D.E.
76	1	REFRIGERATED EQUIPMENT BASE	A.D.E.
77	1	EQUIPMENT STAND	A.D.E.
78	1	GRIDDLE 36"	A.D.E.
79	1	REFRIGERATED SALSA UNIT	A.D.E.
80	3	ELECTRICAL CHASES	A.D.E.
80A	4	KDS SYSTEMS	A.D.E.
80B	1	PRINTER	A.D.E.
81	1	CONDIMENT REFRIGERATOR	A.D.E.
82	1	REFRIGERATED PREP TABLE – SELF-CONTAINED	A.D.E.
83	1	COUNTERTOP WARMER	A.D.E.
84	1	HOT FOOD TABLE	A.D.E.
85	1	REFRIGERATED PREP TABLE – SELF-CONTAINED	A.D.E.

FOODSERVICE EQUIPMENT SCHEDULE

ITEM	QTY	DESCRIPTION	PROVIDED BY
86	2	EXPO TABLE	A.D.E.
87	1	OVERSHELF W/HEAT LAMPS (3)	A.D.E.
88	2	MICROWAVES	A.D.E.
89	LOT	WALL SHELVING	
90	1	S/S WORK TABLE	
91		OPEN NUMBER	
91A		OPEN NUMBER	
92		OPEN NUMBER	
93		OPEN NUMBER	
94	1	ICE MAKER W/ BIN	A.D.E.
95	1	EXHAUST HOOD	A.D.E.
95.1	1	EXHAUST FAN	A.D.E.
95.2	1	MAKE UP AIR FAN	A.D.E.
95.3	1	CONTROL CABINET	A.D.E.
95.4	1	FIRE SUPRESSION SYSTEM	A.D.E.
95.5	1	REMOTE FIRE PULL (VERIFY LOCATION)	A.D.E.
96	1	36" CHEESEMELTER	A.D.E.
97	1	WORK TABLE	A.D.E.
98	1	4 BURNER RANGE	A.D.E.
99		OPEN NUMBER	
100	1	WALL SHELF	A.D.E.
101	2	FRYERS	A.D.E.
102	1	PORTABLE FILTER	A.D.E.
103	1	REFRIGERATED PREP TABLE – SELF-CONTAINED	A.D.E.
104	1	HOT FOOD TABLE	A.D.E.
105	1	REFRIGERATED PREP TABLE – SELF-CONTAINED	A.D.E.
106	LOT	WALL SHELVING	A.D.E.
107	1	PICK UP COUNTER	A.D.E./MILLWORK
108	1	WORK TABLE	A.D.E.
108A	1	HEAT LAMP	A.D.E.
109	1	4' CERAMIC STRIP HEAT LAMP	A.D.E.
110	8	POS SYSTEMS	OWNER
111	2	WORK TABLE	A.D.E.
112	LOT	WALL SHELVING	A.D.E.
113	2	CHIP WARMERS	A.D.E.

FOODSERVICE EQUIPMENT SCHEDULE

ITEM	QTY	DESCRIPTION	PROVIDED BY
114		OPEN NUMBER	
115	1	REACH-IN REFRIGERATOR (GLASS DOOR)	A.D.E.
116	1	BEVERAGE COUNTER	A.D.E.
117	1	CHILLED WATER DISPENSER W/DRAINER & FILTER	A.D.E.
117A	1	DROP-IN ICE BIN	A.D.E.
118	1	COFFEE BREWER	VENDOR
119	1	ICED TEA BREWER	VENDOR
120	1	SODA & ICE DISPENSER	VENDOR
121	LOT	WALL SHELVING (THREE TRERS)	A.D.E.
122		OPEN NUMBER	
123		OPEN NUMBER	
124		OPEN NUMBER	
125		OPEN NUMBER	
126	1	REACH-IN FREEZER/COOLER	A.D.E.
127		OPEN NUMBER	
128	1	BAR TOP	MILLWORKER
129	1	BAR DIE WALL	A.D.E.
129A	1	BAR DIE WALL FRONT PANELS	MILLWORKER
130	2	POS	OWNER
131	1	UNDERBAR ICE CHEST	A.D.E.
132	2	UNDERBAR FILLERS & DRAINBOARDS	A.D.E.
133	3	UNDERBAR DUMPSINKS W/GLASS RINSERS	A.D.E.
134	3	COMB. ICE CHEST W/SPEED RAIL	A.D.E.
135	3	LIQUOR DISPLAYS	A.D.E.
136		OPEN NUMBER	
137	1	WORKTOP REFRIGERATOR	A.D.E.
138	1	UNDERCOUNTER REFRIGERATOR	A.D.E.
139		OPEN NUMBER	
140		OPEN NUMBER	
141	4	DRAINBOARD W/GLASS STORAGE	A.D.E.
142	3	UNDERBAR HANDSINKS	A.D.E.
143	1	CORNER FILLER & DRAINBOARD	A.D.E.
144		OPEN NUMBER	
145	1	CORNER FILLER & DRAINBOARD	A.D.E.
146		OPEN NUMBER	

FOODSERVICE EQUIPMENT SCHEDULE

ITEM	QTY	DESCRIPTION	PROVIDED BY
147		OPEN NUMBER	
148	1	WORK TOP FREEZER	A.D.E.
149	1	CHIP WARMER	A.D.E.
150	1	18IN X 24IN S/S CABINET	A.D.E.
151	1	18IN X 30IN S/S CABINET	A.D.E.
152	1	GLASSWASHER	VENDOR
153	1	CUSTOM EQUIPMENT STAND	ADE
154	1	FROZEN DRINK MACHINE	A.D.E.
155	1	EQUIPMENT STAND	A.D.E.
156	1	ISLAND WORKTOP W/BASE	MILLWORKER
157	2	108" BACK BAR COOLERS	A.D.E.
158		OPEN NUMBER	
159		OPEN NUMBER	
160		OPEN NUMBER	
161	LOT	WASTE CANS	OWNER
162	2	RECYCLE WASTE CANS	OWNER
163	2	FLOOR TROUGH	PLUMBER
164	1	CABINET	A.D.E.
165	5	DRAIN TRENCHES	PLUMBER
166	2	BEER DISPENSER	A.D.E.
167	2	DRIP PAN W/ GLASS RINSER	A.D.E.
168	5	UNDERBAR SODA GUN HOLDERS	A.D.E.
168A	5	SODA GUNS	VENDOR
169		OPEN NUMBER	
170	1	DRINK PICK UP SHELF	A.D.E.
171	1	WATER FILLER FAUCET	A.D.E.
171A	1	WATER FILTER	A.D.E.
172	1	S/S CABINET	A.D.E.
172A	1	WALL SHELF	A.D.E.
173	3	DRINK RAILS	A.D.E.
174	2	STAINLESS STEEL COUNTER TOPS	A.D.E
175	LOT	WALL SHELVING	A.D.E.
176	4	UNDERCOUNTER REFRIGERATOR	A.D.E.
177	1	MOP SINK W/FAUCET	PLUMBER
178	2	WIRE SHELVING	A.D.E.

ISSUE FOR PERMIT

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH CONSTRUCTION AND NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR CONFLICTS.

NO	DATE	DESCRIPTION
1	04.25.25	ISSUE FOR PERMIT

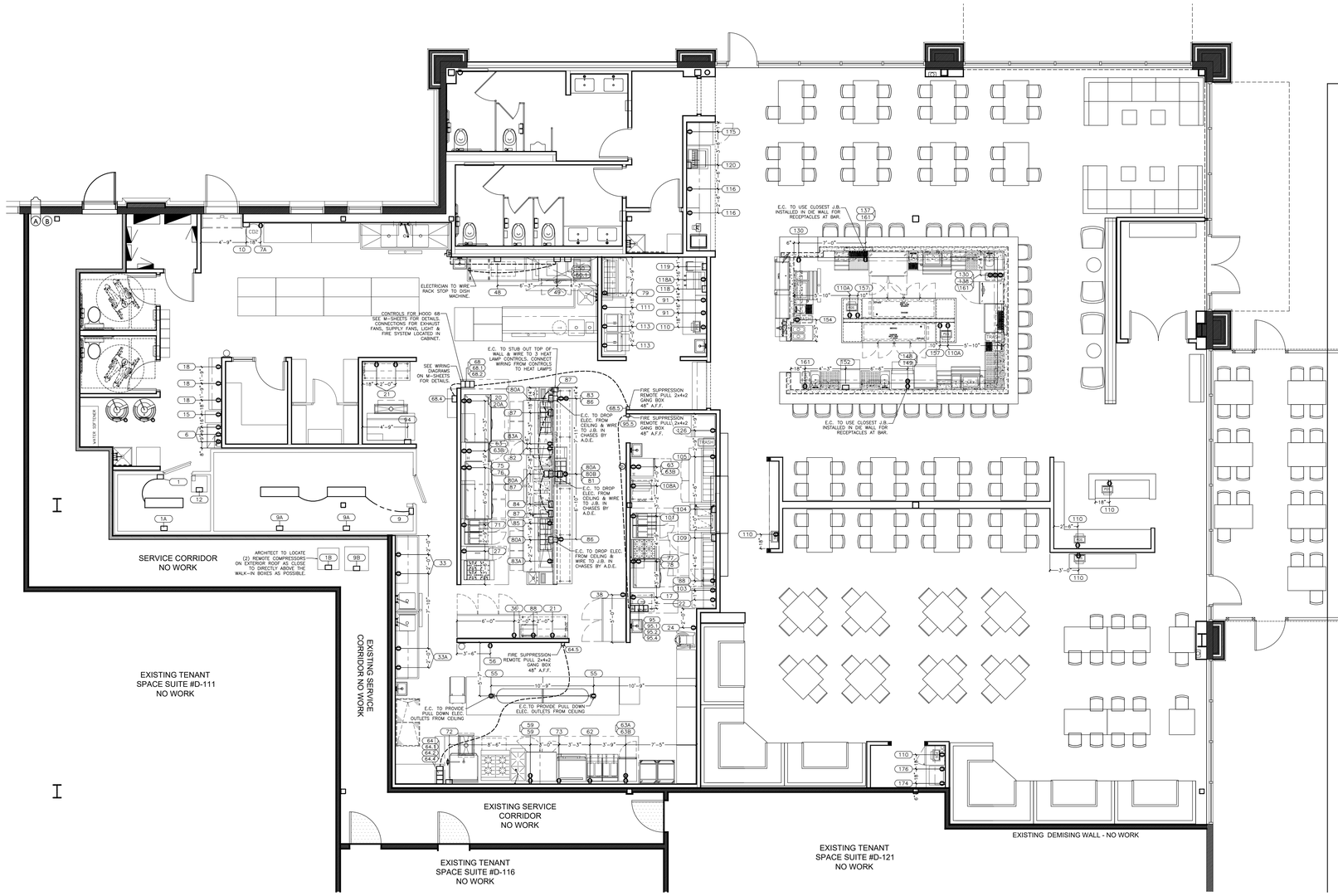
CERTIFICATION:

ANCHO & AGAVE
SUMMIT FAIR SHOPPING CENTER
D-BUILDING
860-A NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086

CARR WARNER
ARC' ITECTS
ARCHITECTURE
INTERIORS
PLANNING
3711 N. RAVENSWOOD
SUITE #104
CHICAGO, ILLINOIS 60613
p 773-477-9009
f 773-477-6888
www.carrwarner.com

FOODSERVICE EQUIPMENT PLAN
SCALE: 3/16"=1'

JOB NO: ANCHO - SUMMIT FAIR
DATE: 04.25.2025
SHEET NO: K-1



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- CONTRACTORS TO MAKE USE OF ANY CONNECTIONS ALREADY INSTALLED IN EXISTING BUILDING WHENEVER POSSIBLE.
- CONTRACTORS TO PROVIDE AND INSTALL WALL BACKING FOR WALL SHELVES, WALL MOUNTED HANDSINKS, WALL MOUNTED COOKING EQUIPMENT, ETC. VERIFY THESE LOCATION WITH OWNER.
- FLOOR DRAINS AND/OR FLOOR SINKS SHOWN ARE RECOMMENDED LOCATIONS, MECHANICAL ENGINEER TO VERIFY CODE REQUIREMENTS
- ALL ELECTRICAL CONDUIT SHALL BE RUN ON TOP (EXTERIOR) OF WALK-IN & SHALL HAVE VAPOR SEALS ON INTERIOR & EXTERIOR OF CONDUIT.
- GENERAL CONTRACTOR SHALL FURNISH & INSTALL ROOF PAD FOR SECTION 114000 FURNISHED ROOFTOP REFRIGERATION RACK.

ELECTRICAL REMARKS

A. WIRE TO JUNCTION BOX ON EQUIPMENT.
B. ATTACH RECEPTACLE OR J.B. TO COUNTER, CABINET, OR EQUIPMENT.
C. WIRE TO EQUIPMENT. PROVIDE DISCONNECT OR CORD AND PLUG AS REQUIRED BY LOCAL CODE.
D. PROVIDE RECEPTACLE FLUSH IN WALL.
E. EQUIPMENT NOT SUPPLIED BY A.D.E., VERIFY REQUIREMENTS WITH SUPPLIER.
F. DEDICATED CIRCUIT/ISOLATED GROUND, PROVIDE ELECTRICAL OUTLET. PROVIDE CONDUIT ACCESS FOR COMMUNICATION CABLE, VERIFY WITH OWNER.
G. PROVIDE AND INSTALL CORD & PLUG AND RECEPTACLE.
H. EQUIPMENT SUPPLIED WITH CORD & PLUG.
I. WIRE FROM CONTROL PANEL OR WALL SWITCH TO FAN(S) ON EXTERIOR ROOF. PROVIDE AND INSTALL DISCONNECT. SWITCH AND STARTERS LOCATED IN CONTROL PANEL.
J. WIRE FROM SWITCH ON PANEL TO LIGHTS IN ALL HOODS.
K. CONNECTION INSIDE WALK-IN FROM CEILING. E.C. TO CAULK ALL CONDUIT PENETRATIONS INSIDE AND OUTSIDE. RUN ALL HORIZONTAL CONDUIT ABOVE WALK-IN WHERE POSSIBLE.
L. STUB UP FROM FLOOR, ATTACH TO RECEPTACLE OR J.B. ON EQUIPMENT.
M. FROM CEILING.
N. INSTALL 4x4 J.B. IN WALL, RUN CONDUIT ABOVE DROP CEILING FOR FIRE SYSTEM PULL STATION. VERIFY LOCATION W/ LOCAL INSPECTOR.
O. PROVIDE CIRCUIT FOR ALARM, SHUNT TRIP BREAKERS & FAN SHUT-OFF AS REQUIRED BY LOCAL CODE. MICROSWITCH PROVIDED IN UTILITY CABINET. WIRE TO J.B. ON FIRE SYSTEM.
P. ELECTRICIAN TO INSTALL LIGHT FIXTURES SUPPLIED WITH EQUIPMENT.
Q. STUB UP FROM FLOOR, MOUNT J.B. OR RECEPTACLE TO COUNTER OR EQUIPMENT.
R. RUN CONTROL WIRING FROM "STOP SWITCH" TO DISHWASHER. VERIFY WITH SUPPLIER. SUPPLIED BY CHEMICAL COMPANY.
S. MOUNT RECEPTACLE TO UNDERSIDE OF BAR TOP.
T. SEE EXHAUST HOOD WIRING DIAGRAM #1 (PLAN K-5)
V. SEE WIRING DIAGRAM #2
W. WIRE TWO CONTROL WIRES FROM J.B ON ICE MAKER TO ROOF TOP REMOTE CONDENSER.
X. WIRE FROM EXHAUST FAN ON EXTERIOR ROOF TO WALL SWITCH. PROVIDE AND LOCATE WALL SWITCH PER PLAN.
Y. CONNECT TO PANEL INSTALLED ON EQUIPMENT. UNCOIL FACTORY SUPPLIED WIRING AND CONNECT TO RECEPTACLES AND JUNCTION BOXES ALSO INSTALLED ON EQUIPMENT.
Z. WIRE CONTROLS SUPPLIED WITH EQUIPMENT.
A1 E.C. TO STUB UP FROM TOP OF LOW WALL & WIRE TO CONTROLS IN HEAT LAMP ENCLOSURE
B1 DROP FROM CEILING AND WIRE TO J.B. IN S/S CHASE BY A.D.E.

ELECTRICAL SYMBOLS AND ABBREVIATIONS

⏀	S.R.	SINGLE RECEPTACLE
⏚	DDGR.	DEDICATED DUPLEX GROUNDED RECEPTACLE
⏀	D.O.	DUPLEX OUTLET
▽	DIR.	DIRECT WIRED CONNECTION
●	ECS.	ELECTRICAL CONDUIT STUB UP
□	JB.	JUNCTION BOX
$	SW.	SWITCH
	TEL.	TELEPHONE
	KW.	KILOWATTS
	V.	VOLTS
	HP.	HORSEPOWER
	AFF.	ABOVE FINISHED FLOOR
	WFA.	WIRED FROM ABOVE

ELECTRICAL SCHEDULE

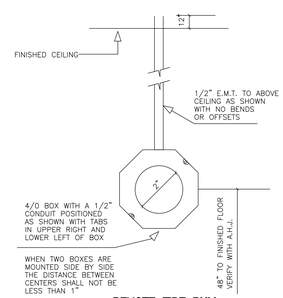
NO.	QTY.	DESCRIPTION	VAC/PH	LOAD	HAFF	24HR.	REMARKS
1	1	WALK-IN BEER COOLER LIGHTS	120/1	4.0A	80"		A,K,P
1A	1	WALK-IN BEER COOLER - UNIT COOLER	120/1	1.0A	80"	X	C,K,Z
1B	1	WALK-IN BEER COOLER REF. SYSTEM	208-230/1	19.7A	EXT. ROOF	X	C
6	3	CARBONATORS	120/1	8.0A	72"		D,E,H
7A	1	CO2 DETECTOR	120/1	15A CIRC.	18"		D,E
9	1	WALK-IN COOLER (NO FLOOR)	120/1	4.0A	80"		A,K,P
9A	2	WALK-IN COOLER - UNIT COOLER	120/1	1.0A	80"	X	C,K,Z
9B	1	WALK-IN COOLER REFRIGERATION SYSTEM	208-230/1	19.7A	EXT. ROOF	X	C
10	1	AIR CURTAIN	120/1	6.5A	90"		C
12	1	BEER CHILLER (ON TOP OF WALK-IN)	208-230/1	13.0A	108"	X	C
15	1	NITRO	120/1	15A CIRC.	18"		D,E
17	1	CORN TORTILLA PRESS	120/1	2.0A	50"		D,H,NEMA 5-15P
18	3	UTILITY OUTLET	120/1	15A CIRC.	50"		D,E
20	1	60" GRIDDLE	120/1	1.0A	26"		D,H,NEMA 5-15P
20A	1	REFRIGERATED EQUIPMENT STAND	120/1	4.2A	12"	X	D,H,NEMA 5-15P
21	3	UTILITY OUTLET	120/1	15A CIRC.	50"		D,E
22	1	UTILITY OUTLET	120/1	15A CIRC.	50"		D,E
24	1	30 QT. FLOOR MIXER	120/1	16.0A	24"		D,H,NEMA 5-20P
27	1	REFRIGERATED PREP TABLE	120/1	2.9A	12"	X	D,H,NEMA 5-15P
33	2	UTILITY OUTLET	120/1	15A CIRC.	50"		D,E
33A	2	UTILITY OUTLET	120/1	15A CIRC.	50"		D,E
36	1	THREE-DOOR REACH-IN FREEZER	120/1	12.0A	12"	X	D,H,NEMA 5-20P
38	1	TWO-DOOR REACH-IN COOLER	120/1	7.4A	12"	X	D,H,NEMA 5-20P
48	1	BOOSTER HEATER	480/3	43.4A	24"		C,E
49	1	WAREWASHER	480/3	22.3A	78"		C,E
50	1	CONDENSATE EXHAUST HOOD	120/1	15A CIRC.	CEILING		A,J,M,T
50.1	1	EXHAUST FAN	VERIFY	WITH	HVAC		A,E,M,O,T
55	2	PULL DOWN CORDS W/ RECEPTACLES	120/1	15A CIRC.	CEILING		E,M
56	1	UTILITY OUTLET	120/1	15A CIRC.	24"		D,E
59	2	STACKED CONVECTION OVEN	120/1	8.0A	24"&48"		D,H
62	1	FRYER FILTER	120/1	10.0A	24"		D,H,NEMA 5-15P
63	2	HALF-HEIGHT COOK & HOLD CABINET	120/1	14.2A	24"		D,H,NEMA 5-20P
63A	1	SMOKER OVEN	120/1	16.0A	24"		D,H,NEMA 5-20P
63B	3	UTILITY OUTLET	120/1	15A CIRC.	50"		D,E
64	1	EXHAUST HOOD	120/1	15A CIRC.	CEILING		A,J,M,T
64.1	1	EXHAUST FAN	VERIFY	WITH	HVAC		A,E,M,O,T
64.2	1	MAKE UP AIR FAN	VERIFY	WITH	HVAC		A,E,M,O,T
64.4	1	FIRE SUPRESSION SYSTEM	120/1	15A CIRC.	CEILING		A,M,O,T
64.5	1	FIRE SUPRESSION REMOTE PULL	-	-	48"		N
68	1	EXHAUST HOOD	120/1	15A CIRC.	CEILING		A,J,M,T
68.1	1	EXHAUST FAN	VERIFY	WITH	HVAC		A,E,M,O,T
68.2	1	MAKE UP AIR FAN	VERIFY	WITH	HVAC		A,E,M,O,T
68.4	1	FIRE SUPRESSION SYSTEM	120/1	15A CIRC.	CEILING		A,M,O,T
68.5	1	FIRE SUPRESSION REMOTE PULL	-	-	48"		N
71	1	FRYER FILTER	120/1	10.0A	24"		D,H,NEMA 5-15P
72	1	TILT SKILLET	120/1	1.8A	24"		D,H,NEMA 5-15P
73	1	UPRIGHT BROILER	120/1	3.4A	24"		D,H
75	1	72" GRIDDLE	120/1	1.0A	26"		D,H,NEMA 5-15P
76	1	REFRIGERATED EQUIPMENT STAND	120/1	5.7A	24"	X	D,H,NEMA 5-15P

ELECTRICAL SCHEDULE

NO.	QTY.	DESCRIPTION	VAC/PH	LOAD	HAFF	24HR.	REMARKS
77	1	REFRIGERATED EQUIPMENT STAND	120/1	2.5A	24"	X	D,H,NEMA 5-15P
78	1	36" GRIDDLE	120/1	1.0A	26"		D,H,NEMA 5-15P
79	1	REFRIGERATED PREP STATION	120/1	4.5A	24"	X	D,H,NEMA 5-15P
80A	4	KDS SYSTEMS	120/1	4.0A	CEILING		B,E,F,M,B1
80B	1	PRINTER	120/1	4.0A	CEILING		B,E,F,M,B1
81	1	CONDIMENT REFRIGERATOR	120/1	1.7A	30"	X	D,H,NEMA 5-15P
82	1	REFRIGERATED PREP TABLE	120/1	7.0A	24"	X	D,H,NEMA 5-15P
83	1	COUNTERTOP WARMER	120/1	15A CIRC.	50"		B,H,L,A1
83A	2	UTILITY OUTLET	120/1	15A CIRC.	24"		D,E
84	1	HOT FOOD TABLE	208/1	24.0A	24"		D,H,NEMA 6-50P
85	1	REFRIGERATED PREP TABLE	120/1	7.0A	24"	X	D,H,NEMA 5-15P
86	2	UTILITY OUTLET	120/1	15A CIRC.	30"		D,E
87	3	HEAT LAMPS	120-208/1	3.12 KW	66"		A,C,L,Z,A1
88	2	MICROWAVE	120/1	4.2A	50"		D,H,NEMA 5-15P
91	2	UTILITY OUTLET	120/1	15A CIRC.	50"		D,E
94	1	ICE MAKER W/ BIN	208-230/1	20.1A	72"		C
95	1	EXHAUST HOOD	120/1	15A CIRC.	CEILING		A,J,M,T
95.1	1	EXHAUST FAN	VERIFY	WITH	HVAC		A,E,M,O,T
95.2	1	MAKE UP AIR FAN	VERIFY	WITH	HVAC		A,E,M,O,T
95.4	1	FIRE SUPRESSION SYSTEM	120/1	15A CIRC.	CEILING		A,M,O,T
95.5	1	FIRE SUPRESSION REMOTE PULL	-	-	48"		N
101	1	FRYER FILTER	120/1	10.0A	24"		D,H,NEMA 5-15P
103	1	REFRIGERATED PREP TABLE	120/1	13.0A	24"	X	D,H,NEMA 5-15P
104	1	HOT FOOD TABLE	208/1	8.4A	24"		D,H,NEMA 6-15P
105	1	REFRIGERATED PREP TABLE	120/1	7.4A	24"	X	D,H,NEMA 5-15P
108A	1	HEAT LAMP	120/1	4.4A	50"		D,H
109	1	HEAT LAMP	208/1	9.7A	66"		A,C,L,Z
110	6	POS SYSTEMS	120/1	4.0A	42"		D,E,F,H
110A	2	POS SYSTEMS	120/1	4.0A	30"		D,E,F,H
111	2	UTILITY OUTLET	120/1	15A CIRC.	50"		D,E
113	2	CHIPS WARMER	120/1	6.5A	50"		D,H
115	1	REACH-IN REFRIGERATOR	120/1	3.0A	24"	X	D,H,NEMA 5-15P
116	2	UTILITY OUTLET	120/1	15A CIRC.	50"		D,E
118	1	COFFEE BREWER	120-208/1	30A CIRC.	50"		C,E
118A	1	COFFEE GRINDER	120/1	20A CIRC.	50"		D,E,H
119	1	ICED TEA BREWER	120-208/1	30A CIRC.	50"		C,E
120	1	SODA & ICE DISPENSER	120/1	4.0A	12"		D,E,H
126	1	REACH-IN FREEZER	120/1	5.0A	24"	X	D,H,NEMA 5-15P
130	2	POS	120/1	4.0A	VERIFY		B,E,F,H
137	1	WORKTOP REFRIGERATOR	120/1	2.8A	18"	X	D,H,NEMA 5-15P
138	1	UNDERCOUNTER REFRIGERATORS	120/1	2.8A	18"	X	D,H,NEMA 5-15P
148	1	WORK TOP FREEZER	120/1	5.0A	18"	X	D,H,NEMA 5-15P
149	1	CHIP WARMER	120/1	8.7A	24"		D,H
152	1	GLASSWASHER	120/1	16.0A	18"		C,E
154	1	FROZEN DRINK MACHINE	120/1	13.0A	24"		D,H,NEMA 5-20P
157	2	BACK BAR COOLER	120/1	4.2A	24"	X	D,H,NEMA 5-15P
161	3	UTILITY OUTLET	120/1	15A CIRC.	36"		D,E
174	1	UTILITY OUTLET	120/1	15A CIRC.	50"		D,E
176	1	UNDERCOUNTER REFRIGERATOR	120/1	2.5A	24"	X	D,H,NEMA 5-15P

ELECTRICAL CONTRACTOR NOTES

- PROVIDE ALL LABOR AND MATERIALS TO COMPLETELY INSTALL THIS FOOD FACILITY. NO EXTRA CHARGES WILL BE ACCEPTED BY ADE RESTAURANT SERVICES, INC.
- FURNISH ALL FLEXIBLE CORDS, PLUGS, CONNECTORS AND OUTLETS UNLESS OTHERWISE SPECIFIED.
- VERIFY WITH OWNER AND/OR ARCHITECT THE ELECTRICAL CIRCUITING OF THE CONNECTIONS ON THIS PLAN. IT IS RECOMMENDED THAT REFRIGERATION EQUIPMENT HAVE INDIVIDUAL CIRCUITS.
- VERIFY WITH OWNER AND/OR ARCHITECT IF ADDITIONAL OUTLETS ARE REQUIRED FOR CLOCKS, MENU SIGNS, EMPLOYEE TIME CLOCK, ETC.
- PROVIDE GROUND FAULT OUTLETS WHERE REQUIRED BY LOCAL CODE.
- WIRE TO THERMOSTATS & DEFROST TIMER WHERE NOTED.
- INSTALL LIGHT FIXTURES SHIPPED LOOSE W/EQUIPMENT.
- RUN ALARM WIRING PROVIDED WITH ALARMS AS SHOWN. LOCATE SENSORS BEHIND BLOWER COILS
- EC TO WIRE ALL REFRIGERATION EQUIPMENT, HEATERS, CONTROLS AND LIGHTS PROVIDED WITH WALK-IN COOLER AND/OR FREEZER. INSTALL TRANSFORMER SHIPPED WITH ALARMS.



REMOTE FIRE PULL

ISSUE FOR PERMIT

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p 773-477-9009
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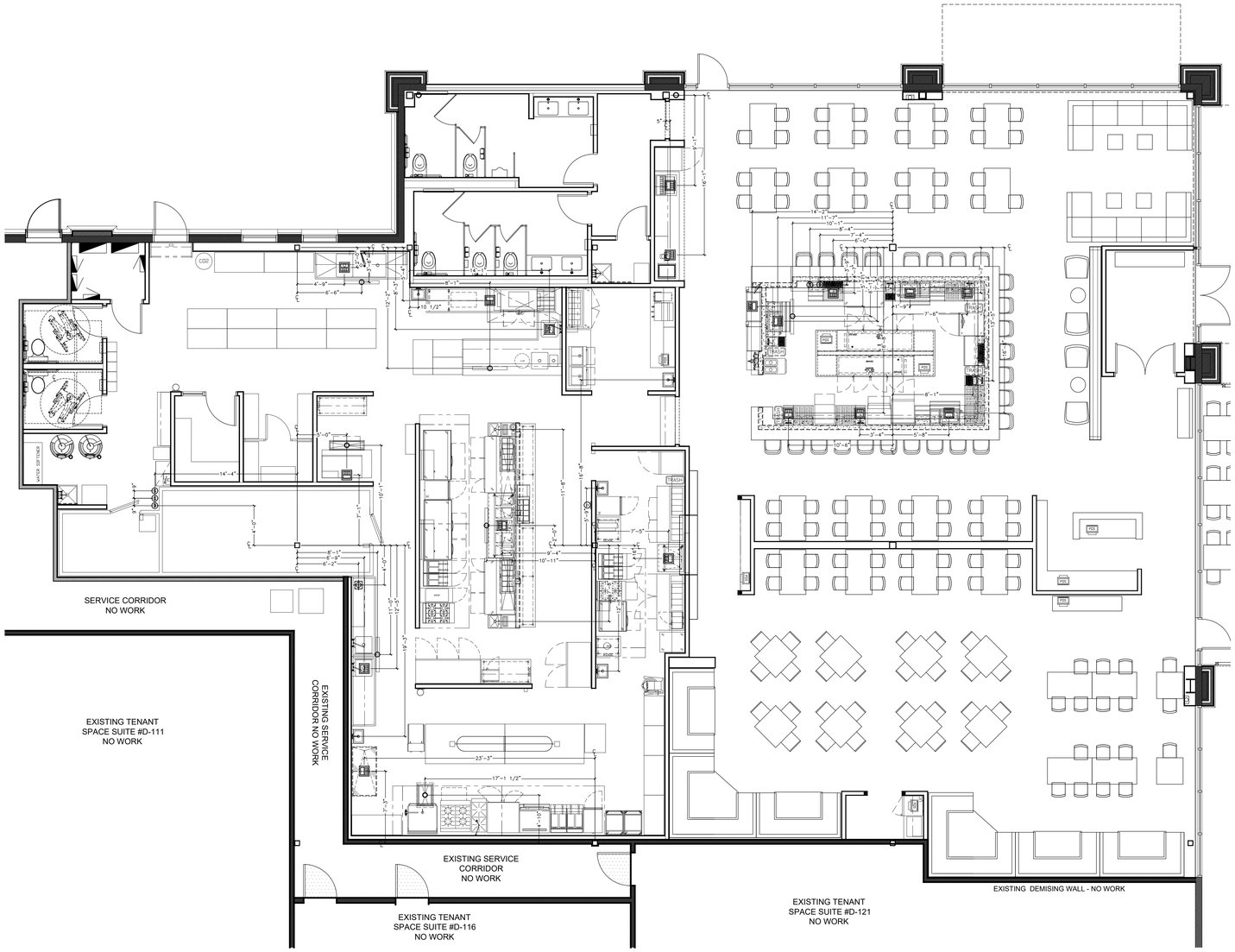
ELECTRICAL SPOT PLAN
SCALE: 3/16"=1'

JOB NO: ANCHO - SUMMIT FAIR
DATE: 04.25.2025
SHEET NO: K-2



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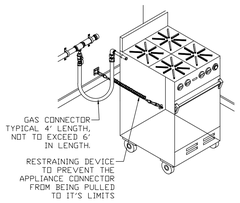


GAS CONNECTION DETAIL

PLUMBING SYMBOLS AND ABBREVIATIONS

●	HW.	HOT WATER LINE STUB
●	CW.	COLD WATER LINE STUB
○	DW.	WASTE CONNECTION
◈	FD	FLUSH FLOOR DRAIN AND GRATE
⊕	IND	INDIRECT WASTE DRAIN, HUB DRAIN, FLOOR DRAIN W/ FUNNEL OR SIMILAR. VERIFY WITH ARCHITECT
▤	FS.	RECOMMENDED FLOOR SINK LOCATION. VERIFY WITH ARCHITECT.
⌖	GAS	GAS SUPPLY STUB LINE
	AFF.	ABOVE FINISHED FLOOR
	DFA.	DOWN FROM ABOVE

PLUMBING CONTRACTOR NOTES

- PROVIDE ALL LABOR AND MATERIALS TO COMPLETELY INSTALL THIS FOOD FACILITY. NO EXTRA CHARGES WILL BE ACCEPTED BY ADE RESTAURANT SERVICES, INC.
- ALL PLUMBING FIXTURES BY A.D.E. RESTAURANT SERVICES, INC., INCLUDE FAUCETS AND WASTE FITTINGS ONLY. PROVIDE AND INSTALL ALL "P" TRAPS, MANIFOLDS, DRAIN LINES, SHUT-OFFS, GREASE TRAPS & BACKFLOW PREVENTORS AS REQUIRED BY EQUIPMENT AND/OR LOCAL CODES.
- ALL KITCHEN, DINING ROOM AND BAR AREA WASTES ARE TO BE OPEN SITE IN FLOOR, UNLESS OTHERWISE SRECIFIED.
- IF WATER PRESSURE AT EQUIPMENT AREA EXCEEDS 40 P.S.I. FLOW PRESSURE, INSTALL A PRESSURE REDUCING VALVE ON BOTH THE MAIN HOT AND COLD WATER SUPPLY LINES.
- LOCATE AND FURNISH ALL AREA FLOOR DRAINS UNLESS OTHERWISE SPECIFIED.
- PROVIDE AND SIZE ANY SOFTENING AND FILTERING EQUIPMENT THAT MAY BE REQUIRED UNLESS OTHERWISE SPECIFIED.
- DETERMINE SIZE OF GAS SUPPLY LINE REQUIRED FOR ALL GAS EQUIPMENT INCLUDING FOOD SERVICE EQUIPMENT.
- PLUMBER TO PROVIDE AND INSTALL BACKFLOW PREVENTORS ON ALL EQUIPMENT AS REQUIRED BY LOCAL CODE.
- ALL EXHAUST AND SUPPLY AIR SYSTEMS FOR EXHAUST HOODS TO BE TESTED AND BALANCED BY THE DIVISION 23 CONTRACTOR

MECHANICAL REMARKS

A. INSTALL FAUCET PROVIDED BY A.D.E., PROVIDE SHUT-OFF

B. CONNECT TO EQUIPMENT. PROVIDE SHUT-OFF.

C. MANIFOLD MULTIPLE DRAINS AND RUN TO O.S.D. (OPEN SITE DRAIN) AND OR GREASE TRAP. VERIFY WITH LOCAL PLUMBING CODES.

D. RUN TO FLUSH FLOOR DRAIN, INDIRECT WASTE DRAIN OR 12"x12" FLOOR SINK. VERIFY WITH LOCAL PLUMBING CODES.

E. EQUIPMENT NOT SUPPLIED BY A.D.E., VERIFY REQUIREMENTS WITH OWNER.

F. MULTIPLE WATER CONNECTIONS

G. PROVIDE ACCESS FOR CO2, BEER, AND/OR SODA LINES, VERIFY WITH VENDOR.

H. A.D.E. TO PROVIDE FLEXIBLE GAS LINE AND RESTRAINING CABLE. THIS DEVICE WILL NOT EXCEED SIX FEET (6') IN LENGTH AND SHALL BE PROTECTED AGAINST PHYSICAL DAMAGE. RESTRAINING DEVICES WILL ALSO BE PROVIDED TO LIMIT THE MOVEMENT OF EQUIPMENT AND PREVENT THE APPLIANCE CONNECTOR FROM BEING PULLED TO IT'S LIMITS. PLUMBER TO INSTALL AND PROVIDE SHUT-OFF.

I. PLUMBER TO SUPPLY P.R.V. (PRESSURE REGULATING VALVE).

J. PIPE TO DISHWASHER, INSTALL VALVES AND CONTROLS PROVIDED WITH EQUIPMENT.

J1. PIPE FROM BOOSTER HEATER TO DISHWASHER, INSTALL VALVES AND CONTROLS PROVIDED WITH EQUIPMENT. SEE DETAILS ON THIS PAGE.

K. LOCATE SHUT-OFF IN CABINET BASE AND PIPE TO EQUIPMENT ON TOP OF CABINET.

L. FLEXIBLE WATER LINES PROVIDED BY A.D.E., INSTALLED BY PLUMBER.

M. STUB OUT AT 12" A.F.F., INSTALL FAUCET ON OUTSIDE OF 6" DEEP S/S RETURN AIR PLENUM. SEE EXHAUST HOOD ELEVATION DETAIL ON PLAN K-4.

N. INSTALL DRAIN VALVE ON OUTLET AND RUN TO O.S.D.

O. INSTALL FILTER SYSTEM PROVIDED WITH EQUIPMENT.

P. MANIFOLD CONNECTIONS. PLUG ANY OPENING NOT USED.

Q. INSTALL SECTION 114000 MECHANICAL FUEL SHUT OFF GAS VALVE FOR FURNISHED FIRE SUPRESSION SYSTEM UNDER DIVISION 22. NEEDS TO BE ACCESSIBLE AND SHALL NOT BE OCNCEALED IN WALLS FOR CEILING.

PLUMBING SCHEDULE

NO.	QTY.	DESCRIPTION	COLD WATER	HAFF	HOT WATER	HAFF	DIRECT WASTE	HAFF	INDIRECT WASTE	BTU'S	GAS	HAFF	REMARKS
1A	1	BEER COOLER – NO FLOOR	–	–	–	–	–	78"	1"	–	–	–	D
6	1	SODA RACK	3/8"	66"	–	–	–	–	–	–	–	–	B,E,G
9A	2	WALK-IN COOLER (NO FLOOR)	–	–	–	–	–	78"	1"	–	–	–	D
19	1	36" CHEESEMELTER	–	–	–	–	–	–	–	40,000	1/2"	76"	H
20	1	60" GRIDDLE	–	–	–	–	–	–	–	140,000	3/4"	18"	H
23	5	HAND SINKS	1/2"	15"	1/2"	15"	1-1/2"	21"	–	–	–	–	A
29	1	MOBILE ICE BIN	–	–	–	–	–	6"	1-1/2"	–	–	–	D,N
33	1	PREP TABLES W/ SINKS	1/2"	15"	1/2"	15"	–	18"	1-1/2"	–	–	–	A,D
33A	1	PREP TABLES W/ SINKS	1/2"	15"	1/2"	15"	–	18"	1-1/2"	–	–	–	A,D
39	2	MOP SINK W/FAUCET	1/2"	36"	1/2"	36"	1-1/2"	AT FLOOR	–	–	–	–	A,E
44	1	THREE COMPARTMENT SINK	–	–	–	–	–	18"	(3) 1-1/2"	–	–	–	C
45	1	PRE-RINSE SPRAY ARM	1/2"	15"	1/2"	15"	–	–	–	–	–	–	A
48	1	BOOSTER HEATER	–	–	1/2"	15"	–	–	–	–	–	–	B,E
49	1	WAREWASHER	–	–	–	–	–	6"	1-1/2"	–	–	–	D,E
51	1	SOILED DISHTABLE	1/2"	15"	1/2"	15"	–	18"	1-1/2"	–	–	–	A,D
52	1	TRENCH DRAIN	–	–	–	–	–	AT FLOOR	3"	–	–	–	E
58	1	FILL FAUCET	1/2"	48"	1/2"	48"	–	–	–	–	–	–	A
59	2	CONVECTION OVEN	–	–	–	–	–	–	–	50,000	3/4"	18"	H,P
60	1	RANGE W/ CONVECTION OVEN (4 BURNER)	–	–	–	–	–	–	–	225,000	1"	18"	H
61	1	STOCK POT RANGE	–	–	–	–	–	–	–	160,000	3/4"	18"	H
62	2	FRYERS	–	–	–	–	–	–	–	150,000	3/4"	18"	H
64.2	1	MAKE UP AIR FAN	–	–	–	–	–	–	–	VERIFY	WITH	HVAC	H
65	1	SILVER SINK	–	–	–	–	–	18"	1-1/2"	–	–	–	D
66	1	DUMP SINK	–	–	–	–	–	18"	1-1/2"	–	–	–	D
68.2	1	MAKE UP AIR FAN	–	–	–	–	–	–	–	VERIFY	WITH	HVAC	H
69	1	RANGE W/ CABINET BASE (4 BURNER)	–	–	–	–	–	–	–	132,000	3/4"	18"	H
70	2	HAND SINKS	1/2"	15"	1/2"	15"	1-1/2"	21"	–	–	–	–	A
71	2	FRYERS W/ FILTERS	–	–	–	–	–	–	–	110,000	3/4"	18"	H
72	1	TILT SKILLET	1/2"	15"	–	–	–	–	–	91,000	3/4"	18"	B,H
73	1	UPRIGHT BROILER	–	–	–	–	–	–	–	80,000	3/4"	18"	H
74	1	48" CHEESEMELTER	–	–	–	–	–	–	–	40,000	3/4"	76"	H
75	1	72" GRIDDLE	–	–	–	–	–	–	–	168,000	3/4"	18"	H
78	1	36" GRIDDLE	–	–	–	–	–	–	–	84,000	3/4"	18"	H
84	1	HOT FOOD TABLE	1/2"	6"	–	–	–	18"	1"	–	–	–	A,C
94	1	ICE MAKER W/ BIN	3/8"	54"	–	–	–	6"&60"	(2) 1/2"	–	–	–	B,C,O
95.2	1	MAKE UP AIR FAN	–	–	–	–	–	–	–	VERIFY	WITH	HVAC	H
96	1	36" CHEESEMELTER	–	–	–	–	–	–	–	30,000	3/4"	76"	H
98	1	4 BURNER RANGE	–	–	–	–	–	–	–	164,000	3/4"	18"	H
101	2	FRYERS W/ FILTERS	–	–	–	–	–	–	–	70,000	3/4"	18"	H
104	1	HOT FOOD TABLE	1/2"	6"	–	–	–	18"	1"	–	–	–	A,C
117	1	CHILLED WATER DISPENSER W/DRAINER	1/2"	6"	–	–	–	30"	1/2"	–	–	–	A,D,O
117A	1	DROP-IN ICE BIN	–	–	–	–	–	18"	1/2"	–	–	–	D
118	1	COFFEE BREWER	1/2"	46"	–	–	–	–	–	–	–	–	B,E
119	1	ICED TEA BREWER	1/2"	46"	–	–	–	–	–	–	–	–	B,E
120	1	SODA & ICE DISPENSER	–	–	–	–	–	18"	1"	–	–	–	D,E,G
131	1	UNDERBAR ICE CHEST	–	–	–	–	–	12"	1/2"&1"	–	–	–	D,G
132	2	UNDERBAR FILLERS & DRAINBOARDS	–	–	–	–	–	12"	1"	–	–	–	D
133	3	UNDERBAR DUMPSINKS W/GLASS RINSERS	(2) 1/2"	6"	1/2"	6"	–	12"	1-1/2"	–	–	–	A,D
134	3	COMB. ICE CHEST W/SPEED RAIL	–	–	–	–	–	12"	1/2"&1"	–	–	–	D,G
141	4	DRAINBOARD W/GLASS STORAGE	–	–	–	–	–	6"	1"	–	–	–	D
142	3	UNDERBAR HANDSINKS	1/2"	6"	1/2"	6"	1-1/2"	12"	–	–	–	–	A
143	1	CORNER FILLER & DRAINBOARD	–	–	–	–	–	12"	1"	–	–	–	D
145	1	CORNER FILLER & DRAINBOARD	–	–	–	–	–	12"	1"	–	–	–	D
151	1	18IN X 30IN S/S CABINET	–	–	–	–	–	6"	1"	–	–	–	D
152	1	GLASSWASHER	–	–	1/2"	6"	–	12"	2"	–	–	–	B,D,E
163	2	FLOOR TROUGH	–	–	–	–	–	AT FLOOR	3"	–	–	–	–
165	5	TRENCH DRAIN (BY PLUMBER)	–	–	–	–	–	AT FLOOR	3"	–	–	–	E
167	2	DRIP PAN W/ GLASS RINSER	1/2"	36"	–	–	–	38"	3/4"	–	–	–	B,D
170	LOT	DRAINER	–	–	–	–	–	38"	1"	–	–	–	D
171	1	WATER FILLER W/ FILTER	1/2"	15"	–	–	–	30"	1/2"	–	–	–	A,D,O
173	LOT	DRINK RAILS	–	–	–	–	–	38"	1"	–	–	–	D

ISSUE FOR PERMIT

OWNER RELEASE: I HAVE REVIEWED THESE DRAWINGS FOR DESIGN INTENT AND HEREBY CERTIFY THAT THEY CONFORM IN ALL RESPECTS TO MY DESIGN CRITERIA AND ARE APPROVED.

BY _____ DATE _____

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH CONSTRUCTION AND NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR CONFLICTS.

NO	DATE	DESCRIPTION
1	04.25.25	ISSUE FOR PERMIT

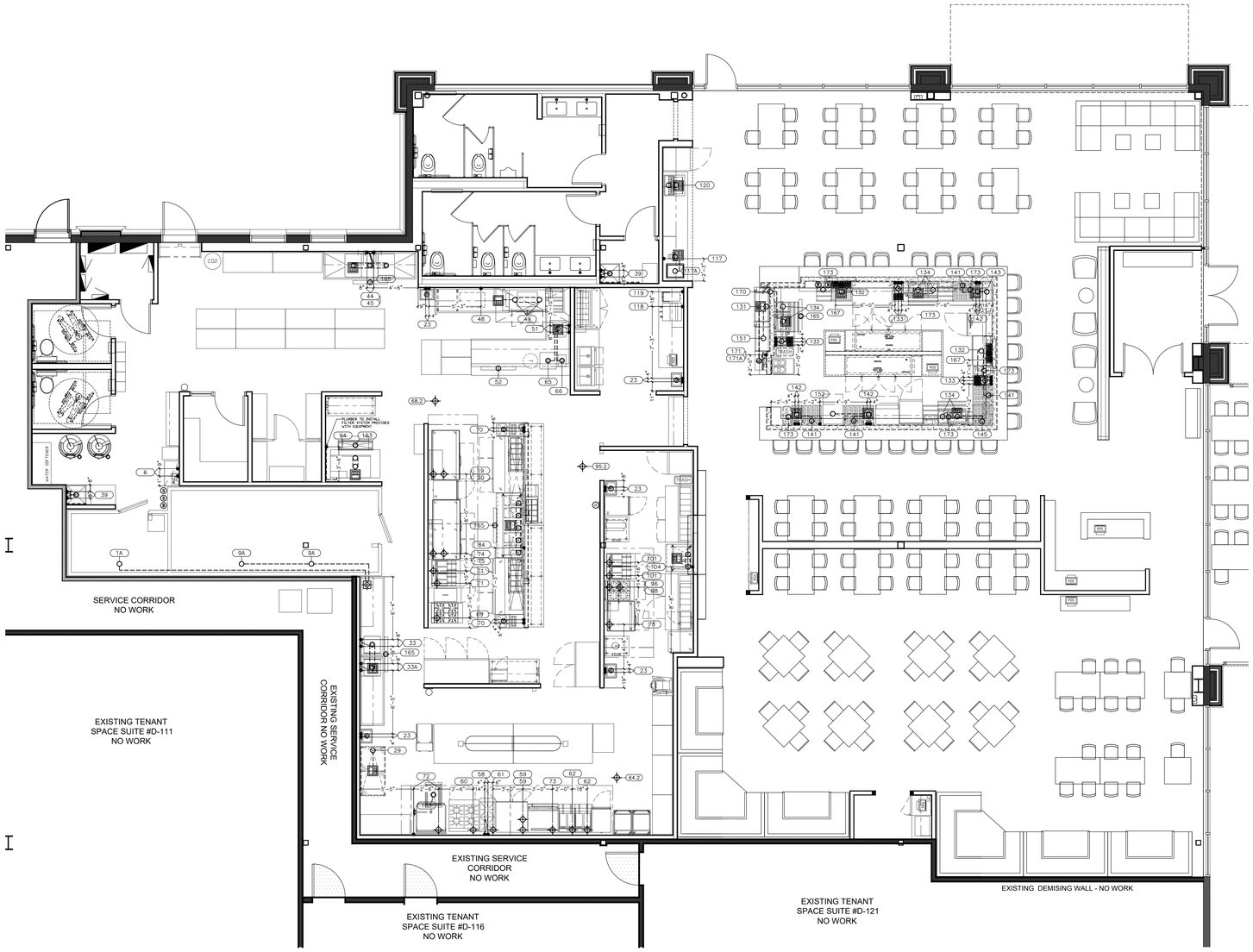
CERTIFICATION:

ANCHO & AGAVE
SUMMIT FAIR SHOPPING CENTER
D-BUILDING
860-A NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086

CARR WARNER
ARC' ITECTS
ARCHITECTURE
INTERIORS
PLANNING
3711 N. RAVENSWOOD
SUITE #104
CHICAGO, ILLINOIS 60613
p 773-477-9009
f 773-477-6888
www.carrwarner.com

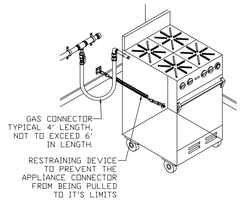
UNDERGROUND PLUMBING SPOT PLAN
SCALE: 3/16"=1'

JOB NO:	SHEET NO:
ANCHO - SUMMIT FAIR	K-3
DATE: 04.25.2025	



GENERAL NOTES

- THIS PLAN IS FOR INFORMATION ONLY AND NOT FOR CONSTRUCTION PURPOSES. INFORMATION ON THIS SHEET IS TO REVIEWED BY THE OWNER, AND/OR ARCHITECT, AND INCORPORATED INTO THE BUILDINGS' MECHANICAL PLANS IN ACCORDANCE WITH LOCAL CODES.
- THE OWNER SHOULD SUBMIT THESE PLANS TO LOCAL BUILDING, HEALTH AND FIRE DEPARTMENT OFFICIALS FOR APPROVAL.
- ALL ROUGH IN WORK AND FINAL MECHANICAL CONNECTIONS (I.E. PLUMBING, ELECTRICAL, VENTILATION AND CONSTRUCTION) ARE TO BE BY OTHERS.
- K.E.C. WILL NOT BE RESPONSIBLE FOR DISCREPANCIES IN THE CONNECTIONS SHOWN FOR EQUIPMENT NOT SUPPLIED BY K.E.C. CONTRACTORS SHOULD VERIFY THESE CONNECTIONS WITH OWNER AND/OR SUPPLIER.
- CONTRACTORS TO MAKE USE OF ANY CONNECTIONS ALREADY INSTALLED IN EXISTING BUILDING WHENEVER POSSIBLE.
- CONTRACTORS TO PROVIDE AND INSTALL WALL BACKING FOR WALL SHELVES, WALL MOUNTED HANDSINKS, WALL MOUNTED COOKING EQUIPMENT, ETC. VERIFY THESE LOCATION WITH OWNER.
- FLOOR DRAINS AND/OR FLOOR SINKS SHOWN ARE RECOMMENDED LOCATIONS, MECHANICAL ENGINEER TO VERIFY CODE REQUIREMENTS
- ALL ELECTRICAL CONDUIT SHALL BE RUN ON TOP (EXTERIOR) OF WALK-IN & SHALL HAVE VAPOR SEALS ON INTERIOR & EXTERIOR OF CONDUIT.
- GENERAL CONTRACTOR SHALL FURNISH & INSTALL ROOF PAD FOR SECTION 114000 FURNISHED ROOFTOP REFRIGERATION RACK.



GAS CONNECTION DETAIL

PLUMBING SYMBOLS AND ABBREVIATIONS

●	HW.	HOT WATER LINE STUB
●	CW.	COLD WATER LINE STUB
○	DW.	WASTE CONNECTION
◈	FD	FLUSH FLOOR DRAIN AND GRATE
⌖	IND	INDIRECT WASTE DRAIN, HUB DRAIN, FLOOR DRAIN W/ FUNNEL OR SIMILAR. VERIFY WITH ARCHITECT
▣	FS.	RECOMMENDED FLOOR SINK LOCATION. VERIFY WITH ARCHITECT.
⌖	GAS	GAS SUPPLY STUB LINE
	AFF.	ABOVE FINISHED FLOOR
	DFA.	DOWN FROM ABOVE

PLUMBING CONTRACTOR NOTES

- PROVIDE ALL LABOR AND MATERIALS TO COMPLETELY INSTALL THIS FOOD FACILITY. NO EXTRA CHARGES WILL BE ACCEPTED BY ADE RESTAURANT SERVICES, INC.
- ALL PLUMBING FIXTURES BY A.D.E. RESTAURANT SERVICES, INC., INCLUDE FAUCETS AND WASTE FITTINGS ONLY. PROVIDE AND INSTALL ALL "P" TRAPS, MANIFOLDS, DRAIN LINES, SHUT-OFFS, GREASE TRAPS & BACKFLOW PREVENTORS AS REQUIRED BY EQUIPMENT AND/OR LOCAL CODES.
- ALL KITCHEN, DINING ROOM AND BAR AREA WASTES ARE TO BE OPEN SITE IN FLOOR, UNLESS OTHERWISE SRECIFIED.
- IF WATER PRESSURE AT EQUIPMENT AREA EXCEEDS 40 P.S.I. FLOW PRESSURE, INSTALL A PRESSURE REDUCING VALVE ON BOTH THE MAIN HOT AND COLD WATER SUPPLY LINES.
- LOCATE AND FURNISH ALL AREA FLOOR DRAINS UNLESS OTHERWISE SPECIFIED.
- PROVIDE AND SIZE ANY SOFTENING AND FILTERING EQUIPMENT THAT MAY BE REQUIRED UNLESS OTHERWISE SPECIFIED.
- DETERMINE SIZE OF GAS SUPPLY LINE REQUIRED FOR ALL GAS EQUIPMENT INCLUDING FOOD SERVICE EQUIPMENT.
- PLUMBER TO PROVIDE AND INSTALL BACKFLOW PREVENTORS ON ALL EQUIPMENT AS REQUIRED BY LOCAL CODE.
- ALL EXHAUST AND SUPPLY AIR SYSTEMS FOR EXHAUST HOODS TO BE TESTED AND BALANCED BY THE DIVISION 23 CONTRACTOR

MECHANICAL REMARKS

A. INSTALL FAUCET PROVIDED BY A.D.E., PROVIDE SHUT-OFF

B. CONNECT TO EQUIPMENT. PROVIDE SHUT-OFF.

C. MANIFOLD MULTIPLE DRAINS AND RUN TO O.S.D. (OPEN SITE DRAIN) AND OR GREASE TRAP. VERIFY WITH LOCAL PLUMBING CODES.

D. RUN TO FLUSH FLOOR DRAIN, INDIRECT WASTE DRAIN OR 12"x12" FLOOR SINK. VERIFY WITH LOCAL PLUMBING CODES.

E. EQUIPMENT NOT SUPPLIED BY A.D.E., VERIFY REQUIREMENTS WITH OWNER.

F. MULTIPLE WATER CONNECTIONS

G. PROVIDE ACCESS FOR CO2, BEER, AND/OR SODA LINES, VERIFY WITH VENDOR.

H. A.D.E. TO PROVIDE FLEXIBLE GAS LINE AND RESTRAINING CABLE. THIS DEVICE WILL NOT EXCEED SIX FEET (6') IN LENGTH AND SHALL BE PROTECTED AGAINST PHYSICAL DAMAGE. RESTRAINING DEVICES WILL ALSO BE PROVIDED TO LIMIT THE MOVEMENT OF EQUIPMENT AND PREVENT THE APPLIANCE CONNECTOR FROM BEING PULLED TO IT'S LIMITS. PLUMBER TO INSTALL AND PROVIDE SHUT-OFF.

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J. PIPE TO DISHWASHER, INSTALL VALVES AND CONTROLS PROVIDED WITH EQUIPMENT.

J1. PIPE FROM BOOSTER HEATER TO DISHWASHER, INSTALL VALVES AND CONTROLS PROVIDED WITH EQUIPMENT. SEE DETAILS ON THIS PAGE.

K. LOCATE SHUT-OFF IN CABINET BASE AND PIPE TO EQUIPMENT ON TOP OF CABINET.

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M. STUB OUT AT 12" A.F.F., INSTALL FAUCET ON OUTSIDE OF 6" DEEP S/S RETURN AIR PLENUM. SEE EXHAUST HOOD ELEVATION DETAIL ON PLAN K-4.

N. INSTALL DRAIN VALVE ON OUTLET AND RUN TO O.S.D.

O. INSTALL FILTER SYSTEM PROVIDED WITH EQUIPMENT.

P. MANIFOLD CONNECTIONS. PLUG ANY OPENING NOT USED.

Q. INSTALL SECTION 114000 MECHANICAL FUEL SHUT OFF GAS VALVE FOR FURNISHED FIRE SUPRESSION SYSTEM UNDER DIVISION 22. NEEDS TO BE ACCESSIBLE AND SHALL NOT BE OCNCEALED IN WALLS FOR CEILING.

PLUMBING SCHEDULE

NO.	QTY.	DESCRIPTION	COLD WATER	HAFF	HOT WATER	HAFF	DIRECT WASTE	HAFF	INDIRECT WASTE	BTU'S	GAS	HAFF	REMARKS
1A	1	BEER COOLER - NO FLOOR	–	–	–	–	–	78"	1"	–	–	–	D
6	1	SODA RACK	3/8"	66"	–	–	–	–	–	–	–	–	B,E,G
9A	2	WALK-IN COOLER (NO FLOOR)	–	–	–	–	–	78"	1"	–	–	–	D
19	1	36" CHEESEMELTER	–	–	–	–	–	–	–	40,000	1/2"	76"	H
20	1	60" GRIDDLE	–	–	–	–	–	–	–	140,000	3/4"	18"	H
23	5	HAND SINKS	1/2"	15"	1/2"	15"	1-1/2"	21"	–	–	–	–	A
29	1	MOBILE ICE BIN	–	–	–	–	–	6"	1-1/2"	–	–	–	D,N
33	1	PREP TABLES W/ SINKS	1/2"	15"	1/2"	15"	–	18"	1-1/2"	–	–	–	A,D
33A	1	PREP TABLES W/ SINKS	1/2"	15"	1/2"	15"	–	18"	1-1/2"	–	–	–	A,D
39	2	MOP SINK W/FAUCET	1/2"	36"	1/2"	36"	1-1/2"	AT FLOOR	–	–	–	–	A,E
44	1	THREE COMPARTMENT SINK	–	–	–	–	–	18"	(3) 1-1/2"	–	–	–	C
45	1	PRE-RINSE SPRAY ARM	1/2"	15"	1/2"	15"	–	–	–	–	–	–	A
48	1	BOOSTER HEATER	–	–	1/2"	15"	–	–	–	–	–	–	B,E
49	1	WAREWASHER	–	–	–	–	–	6"	1-1/2"	–	–	–	D,E
51	1	SOILED DISHTABLE	1/2"	15"	1/2"	15"	–	18"	1-1/2"	–	–	–	A,D
52	1	TRENCH DRAIN	–	–	–	–	–	AT FLOOR	3"	–	–	–	E
58	1	FILL FAUCET	1/2"	48"	1/2"	48"	–	–	–	–	–	–	A
59	2	CONVECTION OVEN	–	–	–	–	–	–	–	50,000	3/4"	18"	H,P
60	1	RANGE W/ CONVECTION OVEN (4 BURNER)	–	–	–	–	–	–	–	225,000	1"	18"	H
61	1	STOCK POT RANGE	–	–	–	–	–	–	–	160,000	3/4"	18"	H
62	2	FRYERS	–	–	–	–	–	–	–	150,000	3/4"	18"	H
64.2	1	MAKE UP AIR FAN	–	–	–	–	–	–	–	VERIFY	WITH	HVAC	H
65	1	SILVER SINK	–	–	–	–	–	18"	1-1/2"	–	–	–	D
66	1	DUMP SINK	–	–	–	–	–	18"	1-1/2"	–	–	–	D
68.2	1	MAKE UP AIR FAN	–	–	–	–	–	–	–	VERIFY	WITH	HVAC	H
69	1	RANGE W/ CABINET BASE (4 BURNER)	–	–	–	–	–	–	–	132,000	3/4"	18"	H
70	2	HAND SINKS	1/2"	15"	1/2"	15"	1-1/2"	21"	–	–	–	–	A
71	2	FRYERS W/ FILTERS	–	–	–	–	–	–	–	110,000	3/4"	18"	H
72	1	TILT SKILLET	1/2"	15"	–	–	–	–	–	91,000	3/4"	18"	B,H
73	1	UPRIGHT BROILER	–	–	–	–	–	–	–	80,000	3/4"	18"	H
74	1	48" CHEESEMELTER	–	–	–	–	–	–	–	40,000	3/4"	76"	H
75	1	72" GRIDDLE	–	–	–	–	–	–	–	168,000	3/4"	18"	H
78	1	36" GRIDDLE	–	–	–	–	–	–	–	84,000	3/4"	18"	H
84	1	HOT FOOD TABLE	1/2"	6"	–	–	–	18"	1"	–	–	–	A,C
94	1	ICE MAKER W/ BIN	3/8"	54"	–	–	–	6"&60"	(2) 1/2"	–	–	–	B,C,O
95.2	1	MAKE UP AIR FAN	–	–	–	–	–	–	–	VERIFY	WITH	HVAC	H
96	1	36" CHEESEMELTER	–	–	–	–	–	–	–	30,000	3/4"	76"	H
98	1	4 BURNER RANGE	–	–	–	–	–	–	–	164,000	3/4"	18"	H
101	2	FRYERS W/ FILTERS	–	–	–	–	–	–	–	70,000	3/4"	18"	H
104	1	HOT FOOD TABLE	1/2"	6"	–	–	–	18"	1"	–	–	–	A,C
117	1	CHILLED WATER DISPENSER W/DRAINER	1/2"	6"	–	–	–	30"	1/2"	–	–	–	A,D,O
117A	1	DROP-IN ICE BIN	–	–	–	–	–	18"	1/2"	–	–	–	D
118	1	COFFEE BREWER	1/2"	46"	–	–	–	–	–	–	–	–	B,E
119	1	ICED TEA BREWER	1/2"	46"	–	–	–	–	–	–	–	–	B,E
120	1	500A & ICE DISPENSER	–	–	–	–	–	18"	1"	–	–	–	D,E,G
131	1	UNDERBAR ICE CHEST	–	–	–	–	–	12"	1/2"&1"	–	–	–	D,G
132	2	UNDERBAR FILLERS & DRAINBOARDS	–	–	–	–	–	12"	1"	–	–	–	D
133	3	UNDERBAR DUMPSINKS W/GLASS RINSERS	(2) 1/2"	6"	1/2"	6"	–	12"	1-1/2"	–	–	–	A,D
134	3	COMB. ICE CHEST W/SPEED RAIL	–	–	–	–	–	12"	1/2"&1"	–	–	–	D,G
141	4	DRAINBOARD W/GLASS STORAGE	–	–	–	–	–	6"	1"	–	–	–	D
142	3	UNDERBAR HANDSINKS	1/2"	6"	1/2"	6"	1-1/2"	12"	–	–	–	–	A
143	1	CORNER FILLER & DRAINBOARD	–	–	–	–	–	12"	1"	–	–	–	D
145	1	CORNER FILLER & DRAINBOARD	–	–	–	–	–	12"	1"	–	–	–	D
151	1	18IN X 30IN S/S CABINET	–	–	–	–	–	6"	1"	–	–	–	D
152	1	GLASSWASHER	–	–	1/2"	6"	–	12"	2"	–	–	–	B,D,E
163	2	FLOOR TROUGH	–	–	–	–	–	AT FLOOR	3"	–	–	–	–
165	5	TRENCH DRAIN (BY PLUMBER)	–	–	–	–	–	AT FLOOR	3"	–	–	–	E
167	2	DRIP PAN W/ GLASS RINSER	1/2"	36"	–	–	–	38"	3/4"	–	–	–	B,D
170	LOT	DRAINER	–	–	–	–	–	38"	1"	–	–	–	D
171	1	WATER FILLER W/ FILTER	1/2"	15"	–	–	–	30"	1/2"	–	–	–	A,D,O
173	LOT	DRINK RAILS	–	–	–	–	–	38"	1"	–	–	–	D

ISSUE FOR PERMIT

OWNER RELEASE: I HAVE REVIEWED THESE DRAWINGS AND FOUND IN PATENT AND HEREBY CERTIFY THAT THEY CONFORM IN ALL RESPECTS TO MY DESIGN CRITERIA AND ARE APPROVED.

BY _____ DATE _____

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DO NOT SCALE DRAWINGS

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NO	DATE	DESCRIPTION
1	04.25.25	ISSUE FOR PERMIT

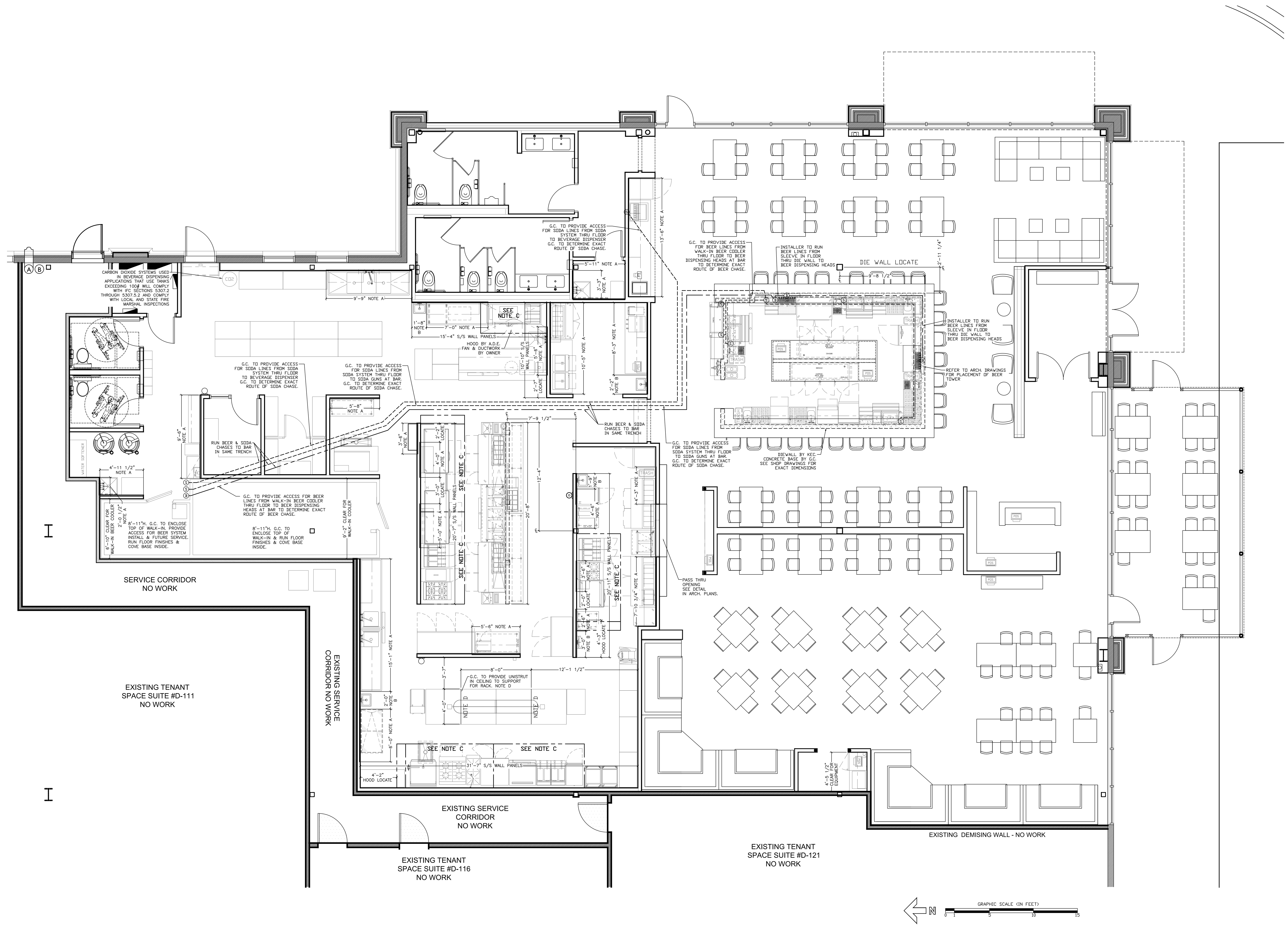
CERTIFICATION:

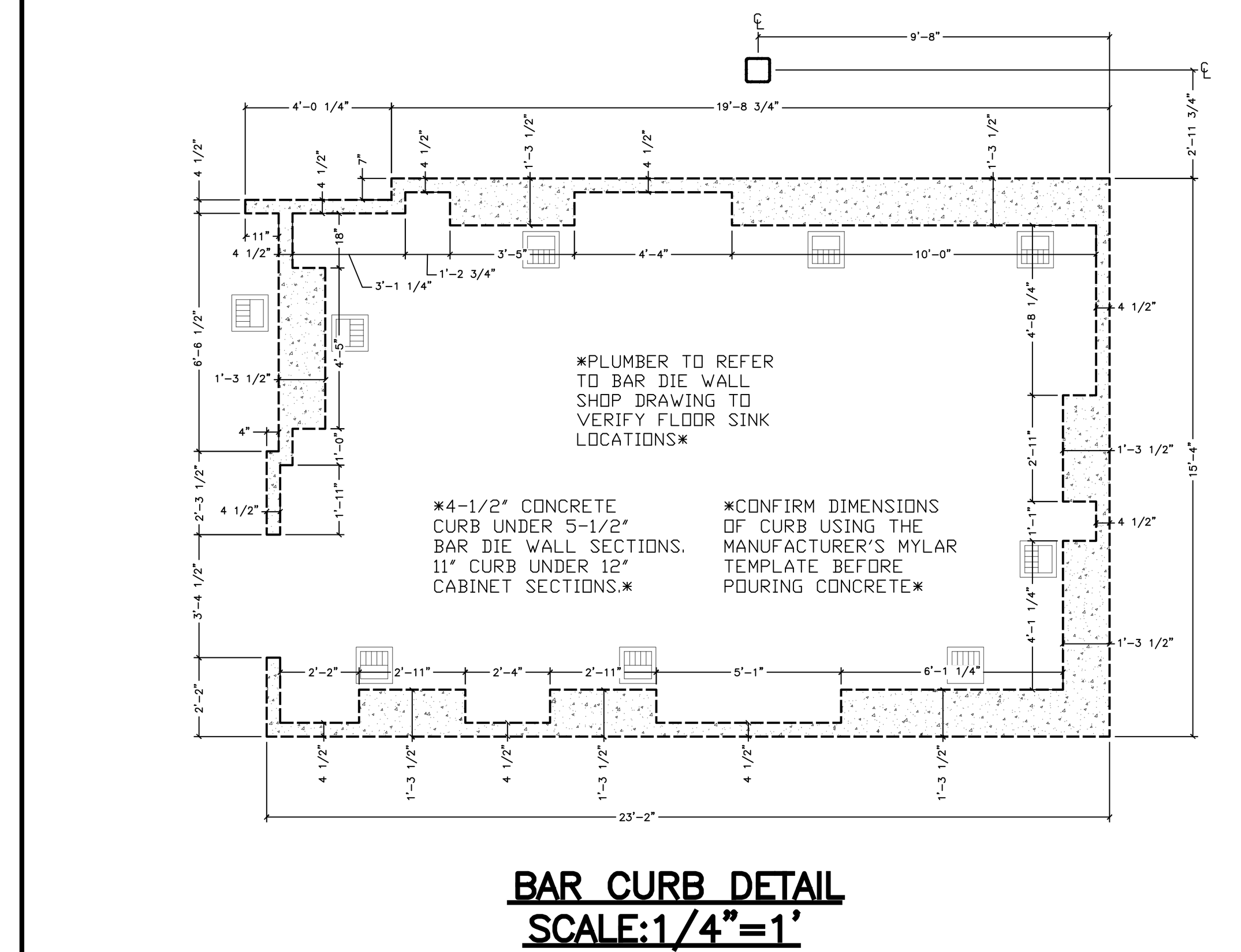
ANCHO & AGAVE
SUMMIT FAIR SHOPPING CENTER
D-BUILDING
860-A NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086

CARR WARNER
ARC' ITECTS
ARCHITECTURE
INTERIORS
PLANNING
3711 N. RAVENSWOOD
SUITE #104
CHICAGO, ILLINOIS 60613
p 773-477-9009
f 773-477-6888
www.carrwarner.com

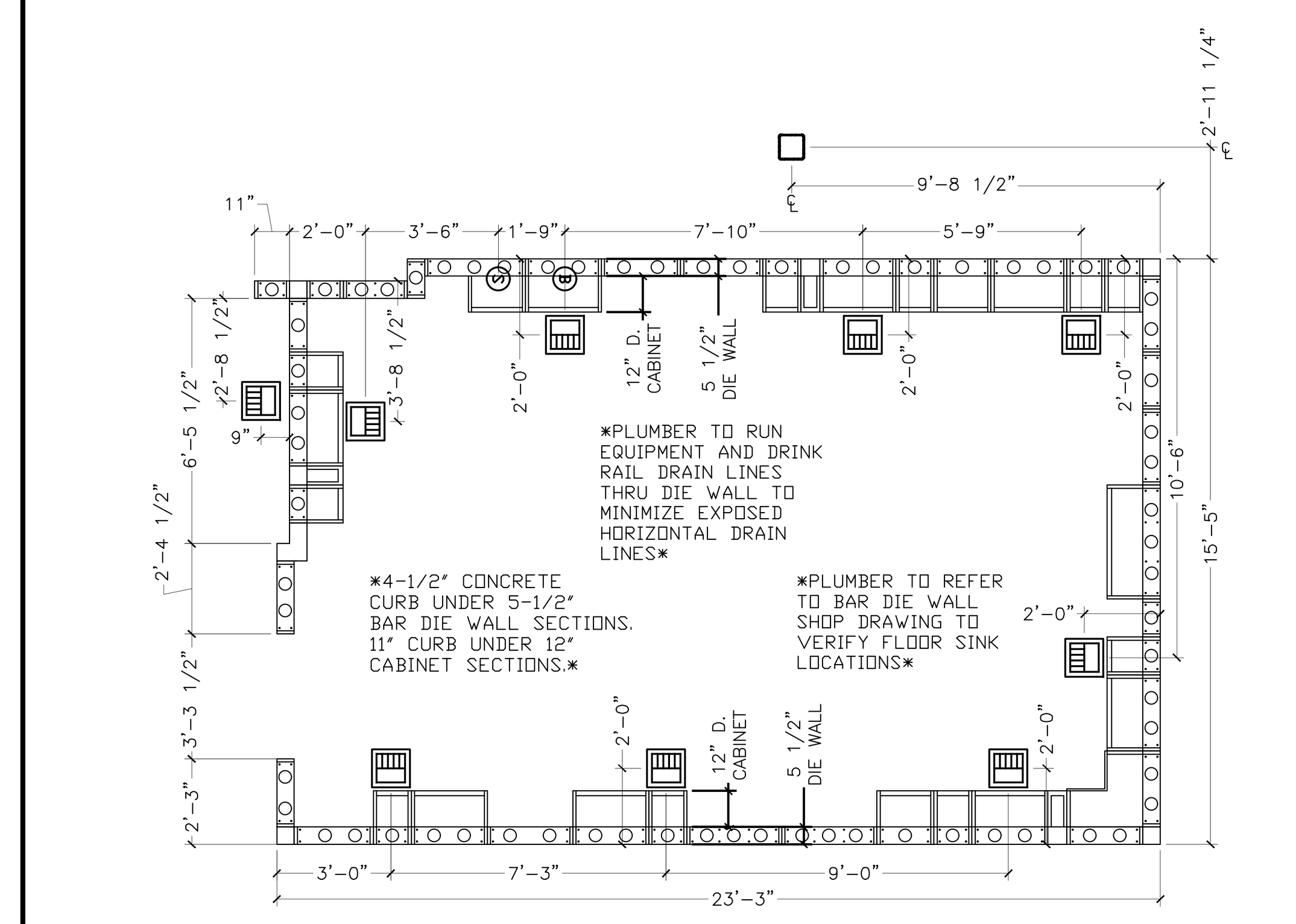
PLUMBING
SPOT PLAN
SCALE: 3/16"=1'

JOB NO: ANCHO - SUMMIT FAIR
DATE: 04.25.2025
SHEET NO: K-3A





BAR CURB DETAIL
SCALE:1/4"=1'



BAR DIE WALL DETAIL
SCALE:1/4"=1'

GENERAL NOTES

- THIS PLAN IS FOR INFORMATION ONLY AND NOT FOR CONSTRUCTION PURPOSES. INFORMATION ON THIS SHEET IS TO REVIEWED BY THE OWNER, AND/OR ARCHITECT, AND INCORPORATED INTO THE BUILDINGS' MECHANICAL PLANS IN ACCORDANCE WITH LOCAL CODES.
- THE OWNER SHOULD SUBMIT THESE PLANS TO LOCAL BUILDING, HEALTH AND FIRE DEPARTMENT OFFICIALS FOR APPROVAL.
- ALL ROUGH IN WORK AND FINAL MECHANICAL CONNECTIONS (I.E. PLUMBING, ELECTRICAL, VENTILATION AND CONSTRUCTION) ARE TO BE BY OTHERS.
- K.E.C. WILL NOT BE RESPONSIBLE FOR DISCREPANCIES IN THE CONNECTIONS SHOWN FOR EQUIPMENT NOT SUPPLIED BY K.E.C. CONTRACTORS SHOULD VERIFY THESE CONNECTIONS WITH OWNER AND/OR SUPPLIER.
- CONTRACTORS TO MAKE USE OF ANY CONNECTIONS ALREADY INSTALLED IN EXISTING BUILDING WHENEVER POSSIBLE.
- CONTRACTORS TO PROVIDE AND INSTALL WALL BACKING FOR WALL SHELVES. WALL MOUNTED HANDSINKS, WALL MOUNTED COOKING EQUIPMENT, ETC. VERIFY THESE LOCATION WITH OWNER.
- FLOOR DRAINS AND/OR FLOOR SINKS SHOWN ARE RECOMMENDED LOCATIONS, MECHANICAL ENGINEER TO VERIFY CODE REQUIREMENTS
- ALL ELECTRICAL CONDUIT SHALL BE RUN ON TOP (EXTERIOR) OF WALK-IN & SHALL HAVE VAPOR SEALS ON INTERIOR & EXTERIOR OF CONDUIT.
- GENERAL CONTRACTOR SHALL FURNISH & INSTALL ROOF PAD FOR SECTION 114000 FURNISHED ROOFTOP REFRIGERATION RACK.

NOTE A:

FRAMING CONTRACTOR TO PROVIDE WOOD BACKING ON WALL 48" AFF TO 96" AFF TO SUPPORT WALL HUNG FOOD SERVICE EQUIPMENT, IN SPAN NOTED.

NOTE A1:

FRAMING CONTRACTOR TO PROVIDE WOOD BACKING ON WALL 48" AFF TO TOP OF WALL TO SUPPORT WALL HUNG FOOD SERVICE EQUIPMENT, IN SPAN NOTED.

NOTE B:

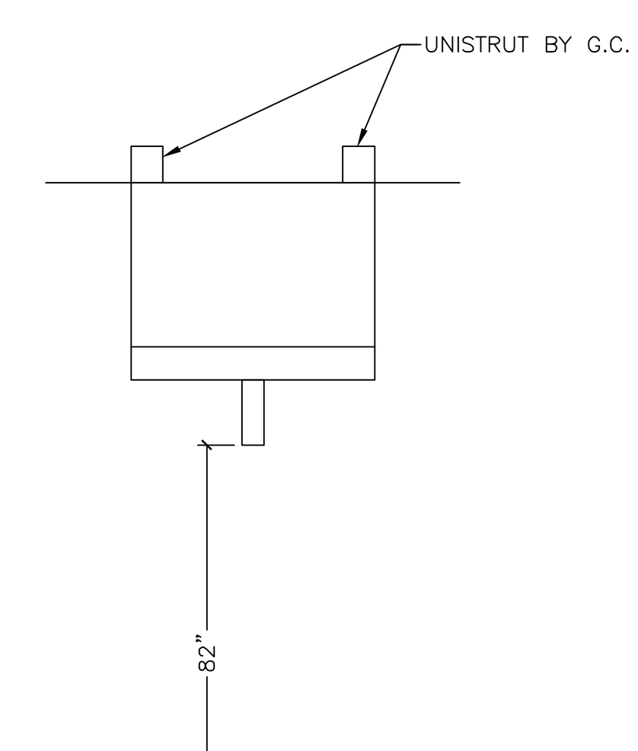
FRAMING CONTRACTOR TO PROVIDE WOOD BACKING ON WALL 30" AFF TO 48" AFF TO SUPPORT WALL HUNG FOOD SERVICE EQUIPMENT, IN SPAN NOTED.

NOTE C:

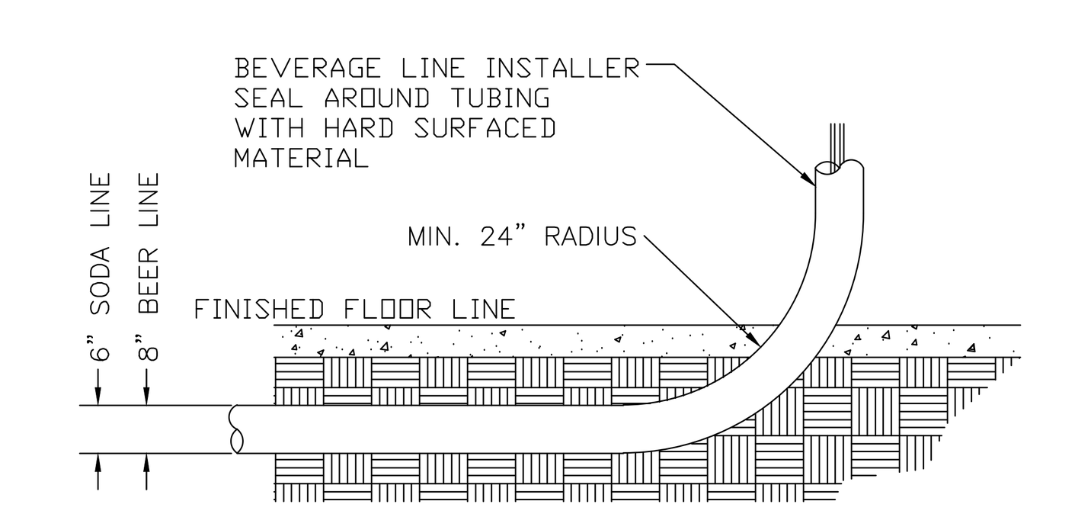
EXHAUST HOODS, S/S WALL PANELS, AND CONTROL CABINET TO BE PROVIDED BY KEC. THIS EQUIPMENT WILL BE SHIPPED TO JOB SITE FOR UNLOADING. PLACEMENT AND INSTALLATION BY HVAC. HVAC TO PROVIDE AND INSTALL ALL FANS & DUCTWORK. HVAC TO CHECK OUT & BALANCE SYSTEM AFTER INSTALLATION.

NOTE D:

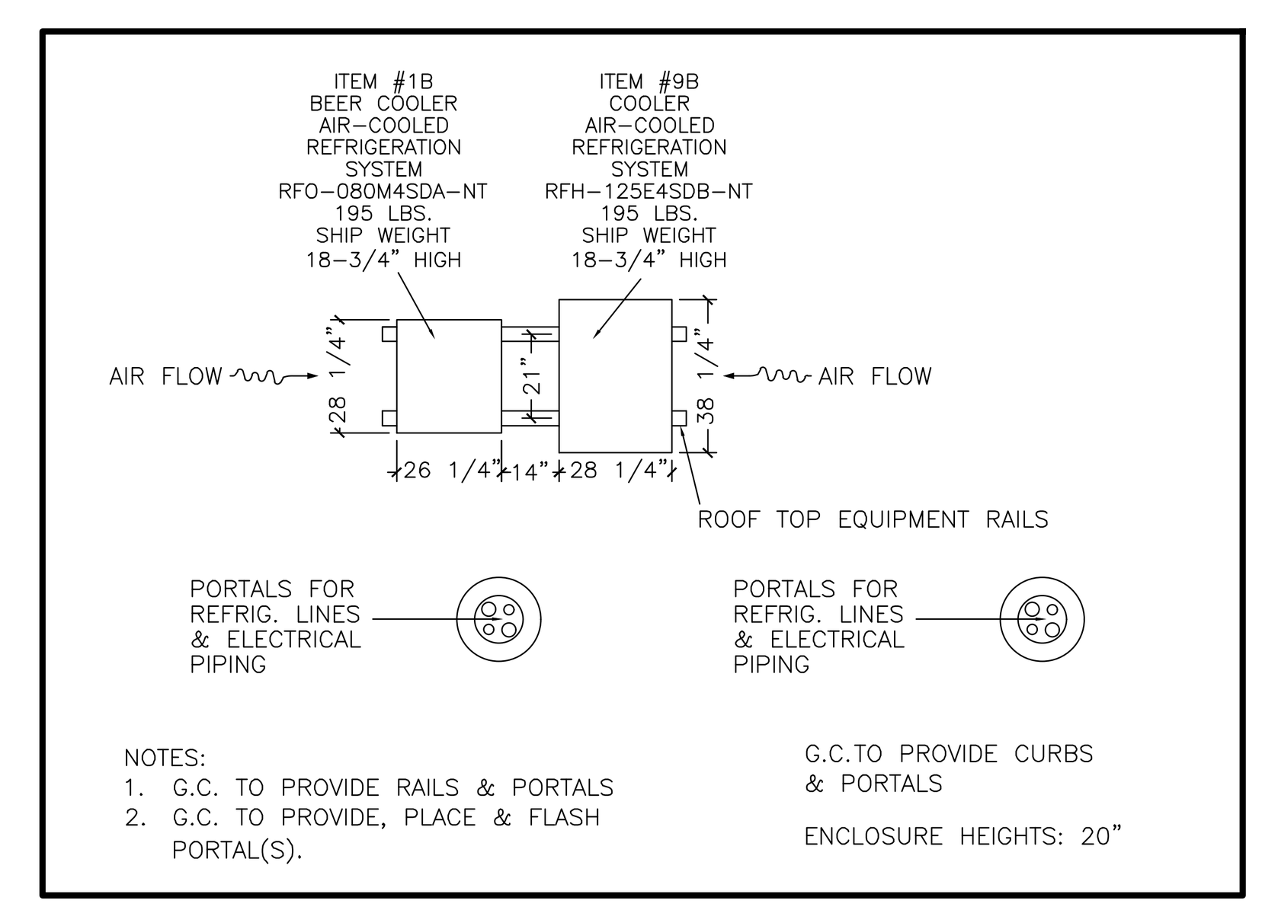
G.C. TO PROVIDE UNISTRUT ABOVE DROP CEILING FOR HANGING POT RACK. COORDINATE IN FIELD WITH A.D.E. INSTALLERS



CEILING HUNG POT RACK



BEER AND SODA LINE SWEEP ELBOW DETAIL



ISSUE FOR PERMIT

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f 773•477•6888
www.carrwarner.com

SPECIAL CONDITONS PLAN
SCALE: 3/16"=1'

JOB NO: ANCHO - SUMMIT FAIR

DATE: 04.25.2025

SHEET NO: K-4

ISSUE FOR PERMIT

FOR QUESTIONS, CALL THE
Chicago Foodservice Division
REGION 55
PHONE: (630) 377 - 2611
EMAIL: reg55@captiveaire.com

PATENT NUMBERS

EXHAUST HOODS ND-2/BD-2/SND-2 (CANADA) - CA PATENT 2520435 C.

CUSTOMER APPROVAL TO MANUFACTURE:

HOOD INFORMATION - JOB#7453430

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER(S) WIDTH	LENG	HEIGHT	DIA	CFM	VEL	SP	HOOD CONSTRUCTION	HOOD CONFIG END TO END	ROW	SWITCHES QUANTITY	LOCATION
1	50	4224 VHB-G-ND	CAPTIVEAIRE	7' 6"	700 DEG	II	N/A	150	1125	12"	12"	4"		1125	1125	-0.119"	430 SS 100%	ALONE	ALONE	1 FAN 1 LIGHT	FRONT LEFT FACE
2	64L	6024 ND-2	CAPTIVEAIRE	10' 4"	600 DEG	I	HEAVY	250	2583	10"	24"	4"		2583	1550	-0.390"	430 SS WHERE EXPOSED	LEFT	ALONE		
3	64R	6024 ND-2	CAPTIVEAIRE	10' 0"	600 DEG	I	HEAVY	200	2000			4"	14"	2000	1871	-0.534"	430 SS WHERE EXPOSED	RIGHT	ALONE		
4	68L	6024 ND-2	CAPTIVEAIRE	10' 6"	600 DEG	I	HEAVY	200	2100	10"	20"	4"		2100	1512	-0.429"	430 SS WHERE EXPOSED	LEFT	ALONE		
5	68R	6024 ND-2	CAPTIVEAIRE	10' 0"	600 DEG	I	HEAVY	200	2000	10"	19"	4"		2000	1516	-0.414"	430 SS WHERE EXPOSED	RIGHT	ALONE		
6	95	6024 ND-2	CAPTIVEAIRE	10' 0"	600 DEG	I	HEAVY	200	2000	10"	19"	4"		2000	1516	-0.414"	430 SS WHERE EXPOSED	ALONE	ALONE		

HOOD INFORMATION

HOOD NO	TAG	FILTER(S) TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	LIGHT(S) QTY	TYPE	WIRE GUARD	UTILITY CABINET(S) LOCATION	SIZE	FIRE SYSTEM TYPE	SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY	FIRE SYSTEM PIPING	HOOD HANGING WEIGHT
1	50						3	L55 SERIES E26	NO							NO	268 LBS
2	64L	SS BAFFLE WITH HANDLES	7	20"	16"	30%	3	RECESSED ROUND	NO							YES	526 LBS
3	64R	SS BAFFLE WITH HANDLES	7	16"	16"	30%	3	RECESSED ROUND	NO	RIGHT	12"x60"x24"	TANK FS	4.0/4.0/4.0/4.0			YES	1007 LBS
4	68L	SS BAFFLE WITH HANDLES	7	16"	16"	30%	3	RECESSED ROUND	NO							YES	540 LBS
5	68R	SS BAFFLE WITH HANDLES	7	16"	16"	30%	3	RECESSED ROUND	NO	RIGHT	12"x60"x24"	TANK FS	4.0/4.0/4.0/4.0			YES	1013 LBS
6	95	SS BAFFLE WITH HANDLES	7	16"	16"	30%	3	RECESSED ROUND	NO	LEFT	12"x60"x24"	TANK FS	4.0/4.0			YES	790 LBS

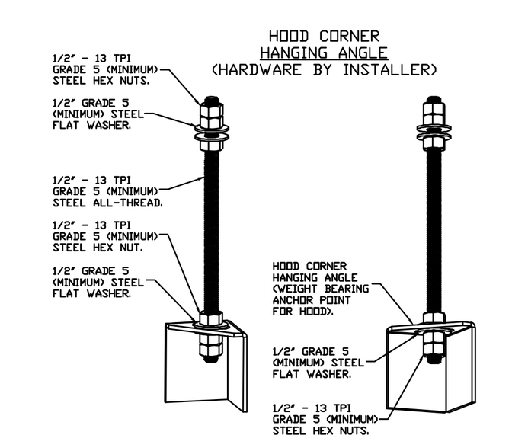
HOOD OPTIONS

HOOD NO	TAG	OPTION
1	50	FIELD WRAPPER 18.00" HIGH FRONT, LEFT.
2	64L	FIELD WRAPPER 24.00" HIGH FRONT, LEFT.
		BACKSPLASH 122.00" HIGH X 246.00" LONG 430 SS VERTICAL.
		BALANCE DAMPERS.
		RISER SENSOR INSTALL 6IN PLEN.
		LEFT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.
3	64R	FIELD WRAPPER 24.00" HIGH FRONT, RIGHT.
		BALANCE DAMPERS.
		RISER SENSOR INSTALL 6IN PLEN.
		RIGHT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.
4	68L	FIELD WRAPPER 24.00" HIGH FRONT, LEFT.
		BACKSPLASH 122.00" HIGH X 246.00" LONG 430 SS VERTICAL.
		BALANCE DAMPERS.
		RISER SENSOR INSTALL 6IN PLEN.
		LEFT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.
5	68R	FIELD WRAPPER 24.00" HIGH FRONT, RIGHT.
		BALANCE DAMPERS.
		RISER SENSOR INSTALL 6IN PLEN.
		RIGHT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.
6	95	FIELD WRAPPER 24.00" HIGH FRONT, LEFT, RIGHT.
		BACKSPLASH 120.00" HIGH X 210.00" LONG 430 SS VERTICAL.
		RIGHT QUARTER END PANEL 23" TOP WIDTH, 0" BOTTOM WIDTH, 23" HIGH 430 SS.
		LEFT QUARTER END PANEL 23" TOP WIDTH, 0" BOTTOM WIDTH, 23" HIGH 430 SS.
		RISER SENSOR INSTALL 6IN PLEN.
7	Dish wall flashing	OPTIONS ONLY: BACKSPLASH 122.00" HIGH X 166.00" LONG 430 SS VERTICAL.
		OPTIONS ONLY: BACKSPLASH 122.00" HIGH X 184.00" LONG 430 SS VERTICAL.
		OPTIONS ONLY: BACKSPLASH 122.00" HIGH X 114.00" LONG 430 SS VERTICAL.
		OPTIONS ONLY: LEFT SIDESPLASH 122.00" HIGH X 36.00" LONG 430 SS VERTICAL.
		OPTIONS ONLY: LEFT SIDESPLASH 122.00" HIGH X 30.00" LONG 430 SS VERTICAL.
		OPTIONS ONLY: BACKSPLASH - INSIDE CORNER 122.00" HIGH X 2.00" LEG LENGTH 430 SS VERTICAL.
		OPTIONS ONLY: BACKSPLASH - INSIDE CORNER 122.00" HIGH X 2.00" LEG LENGTH 430 SS VERTICAL.
		OPTIONS ONLY: BACKSPLASH - INSIDE CORNER 122.00" HIGH X 2.00" LEG LENGTH 430 SS VERTICAL.
		OPTIONS ONLY: BACKSPLASH - OUTSIDE CORNER 122.00" HIGH X 2.00" LEG LENGTH 430 SS VERTICAL.
		OPTIONS ONLY: BACKSPLASH - OUTSIDE CORNER 122.00" HIGH X 2.00" LEG LENGTH 430 SS VERTICAL.
8	App Cook-splash	OPTIONS ONLY: BACKSPLASH 122.00" HIGH X 72.00" LONG 430 SS VERTICAL.
		OPTIONS ONLY: BACKSPLASH 122.00" HIGH X 36.00" LONG 430 SS VERTICAL.
		OPTIONS ONLY: BACKSPLASH 122.00" HIGH X 312.00" LONG 430 SS VERTICAL.
		OPTIONS ONLY: BACKSPLASH 122.00" HIGH X 36.00" LONG 430 SS VERTICAL.
		OPTIONS ONLY: BACKSPLASH 122.00" HIGH X 66.00" LONG 430 SS VERTICAL.

WALL-MOUNT UTILITY CABINET

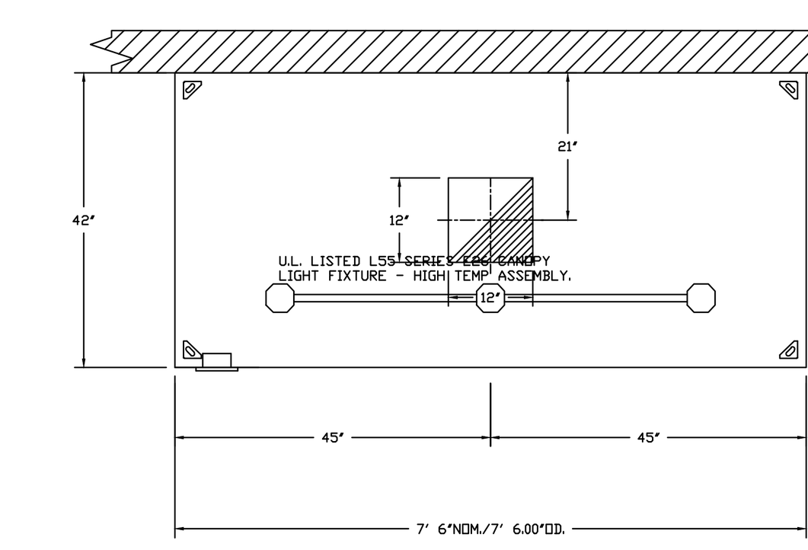
HOOD NO	UTILITY CABINET(S) LOCATION	SIZE	FIRE SYSTEM TYPE	SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY	WEIGHT
5	WALL MNT	12"x36"x30"			DCV-3111_MA4	1 LIGHT 1 FAN	140 LBS

CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH
NFPA #96
NSF
E.T.L. LISTED 3054804-001 TO UL 710 & ULC710 STANDARDS

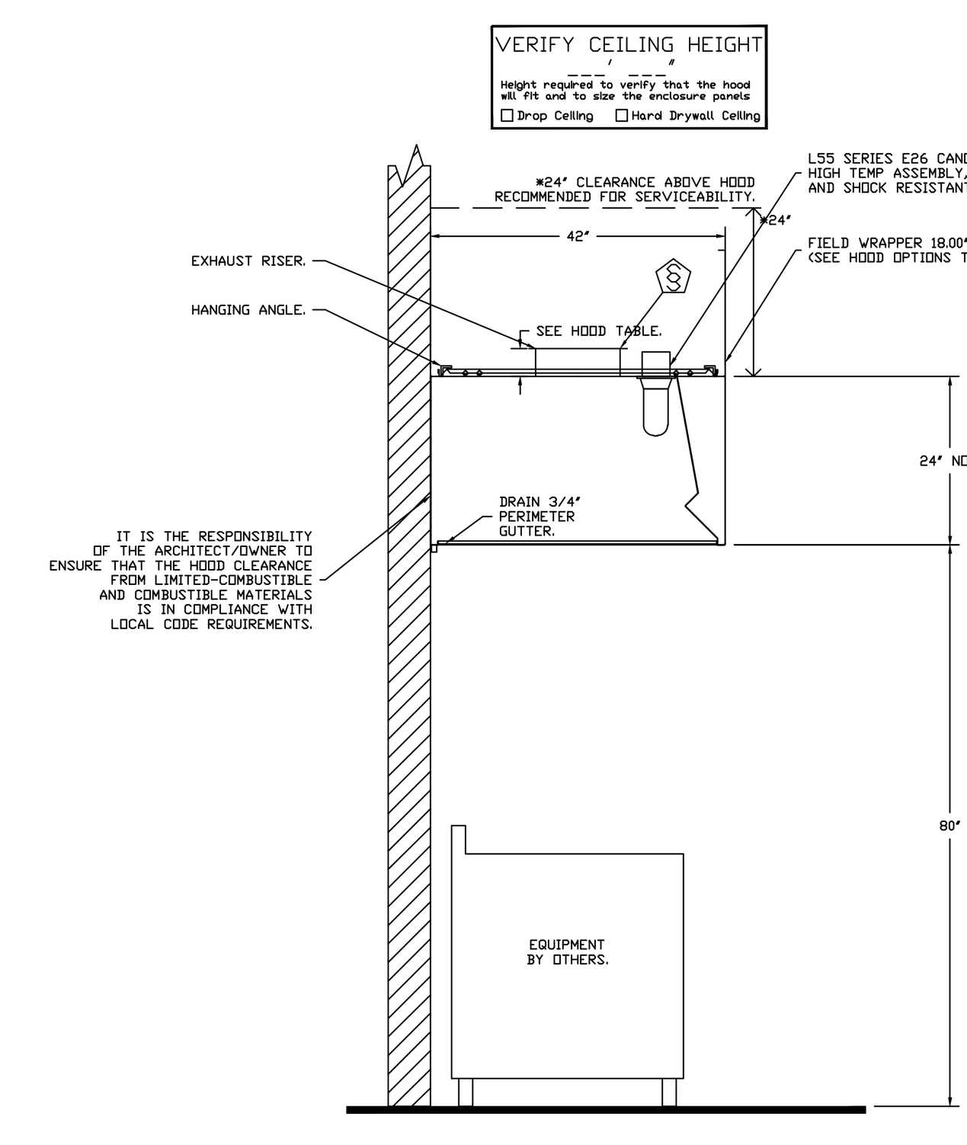


ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD. SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION BENEATH HOOD HANGING ANGLES AND ABOVE CEILING ANCHORS. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.

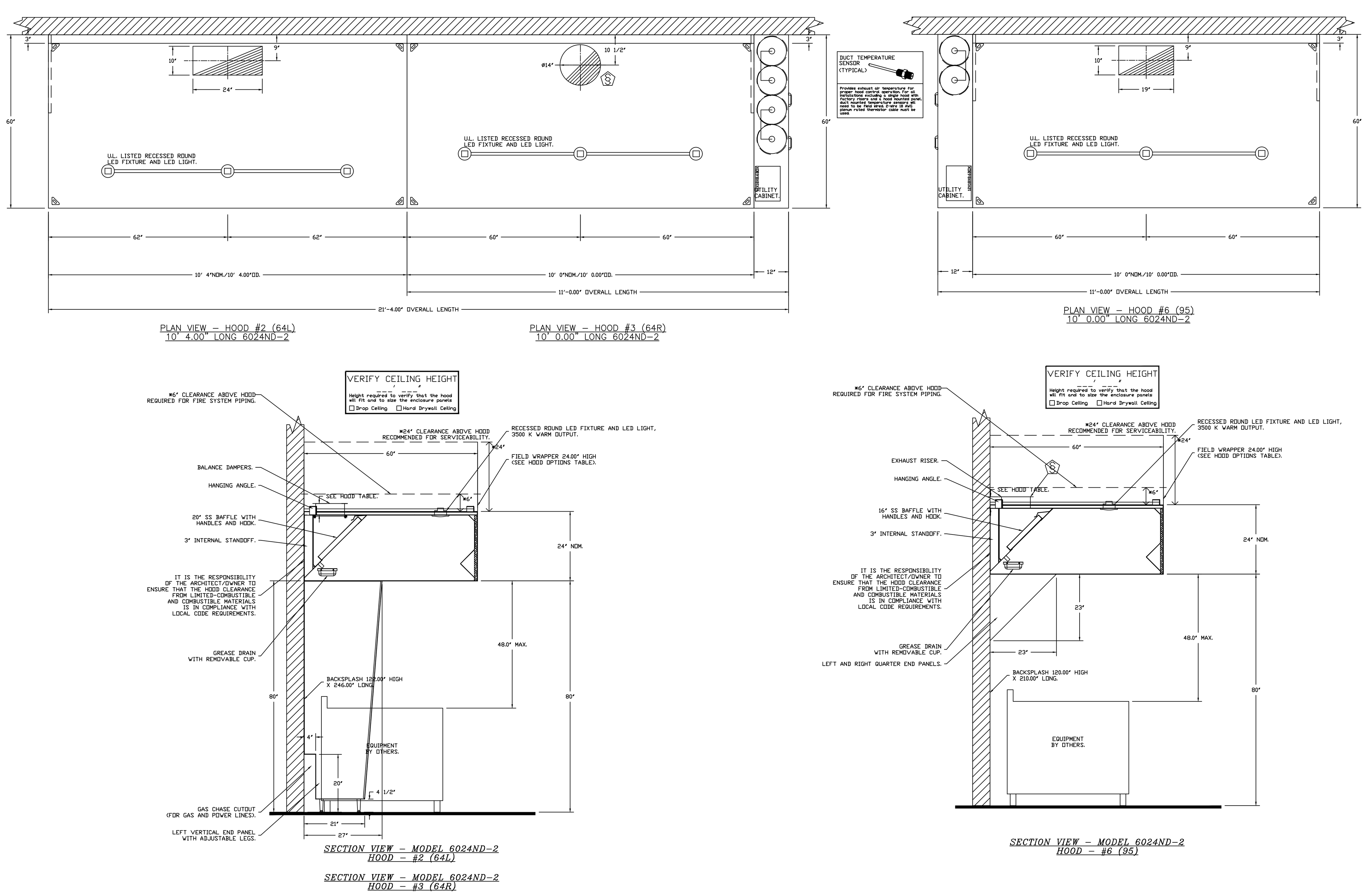


PLAN VIEW - HOOD #1 (50)
7' 6.00" LONG 4224VHB-G-ND



SECTION VIEW - MODEL 4224VHB-G-ND
HOOD - #1 (50)

econ·air Chicago Foodservice Division
1120 Charleston Drive, St. Charles, IL, 60174
Ancho & Agave - Lee's Summit, MO - Hoods_ND-2
LEES SUMMIT, MO, 64086
DATE: 4/9/2025
DWG.#: 7453430
DRAWN BY: CT
SCALE: 3/4" = 1'-0"
MASTER DRAWING
SHEET NO. 1



PLAN VIEW - HOOD #2 (64L)
10' 4.00" LONG 6024ND-2

PLAN VIEW - HOOD #3 (64R)
10' 0.00" LONG 6024ND-2

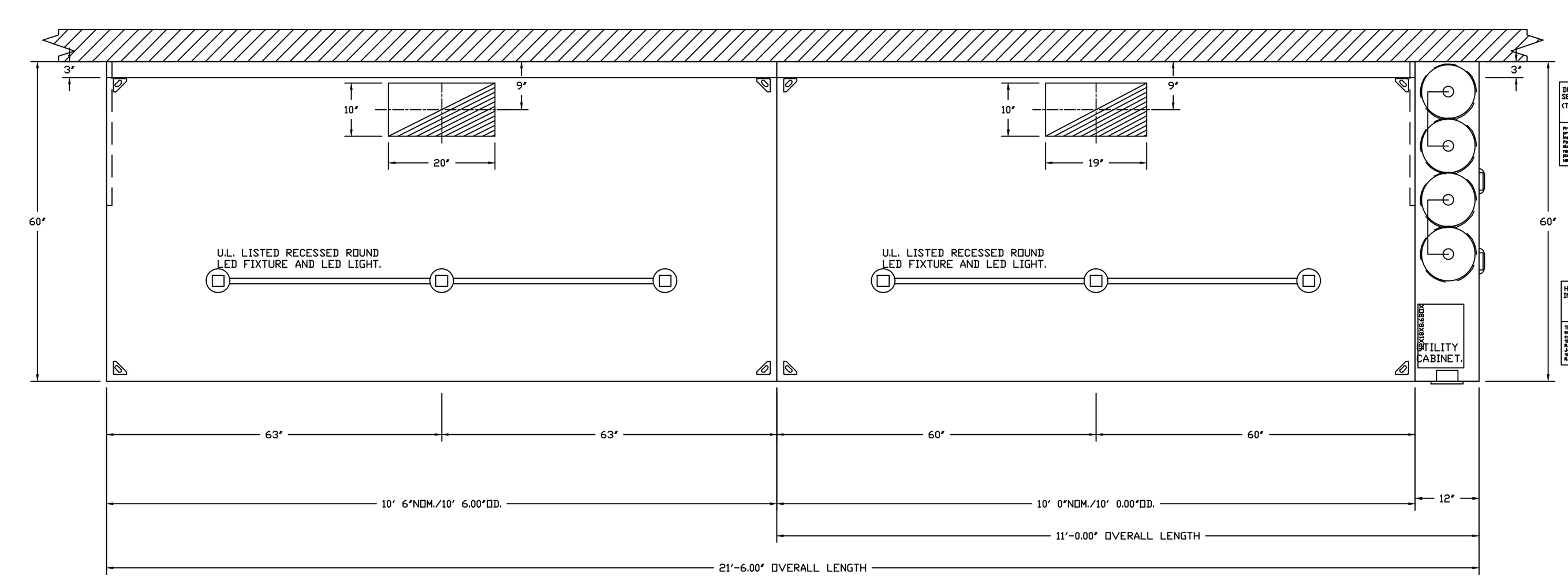
PLAN VIEW - HOOD #6 (95)
10' 0.00" LONG 6024ND-2

SECTION VIEW - MODEL 6024ND-2
HOOD - #2 (64L)

SECTION VIEW - MODEL 6024ND-2
HOOD - #3 (64R)

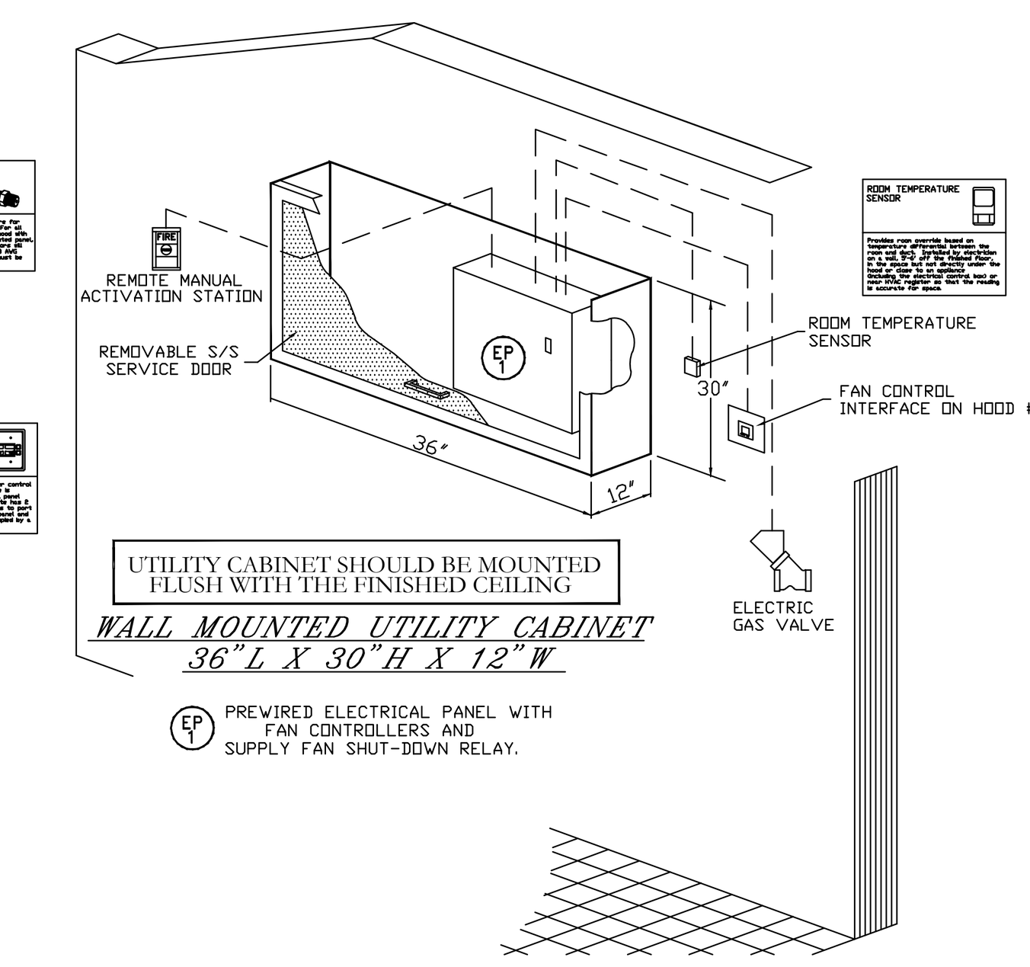
SECTION VIEW - MODEL 6024ND-2
HOOD - #6 (95)

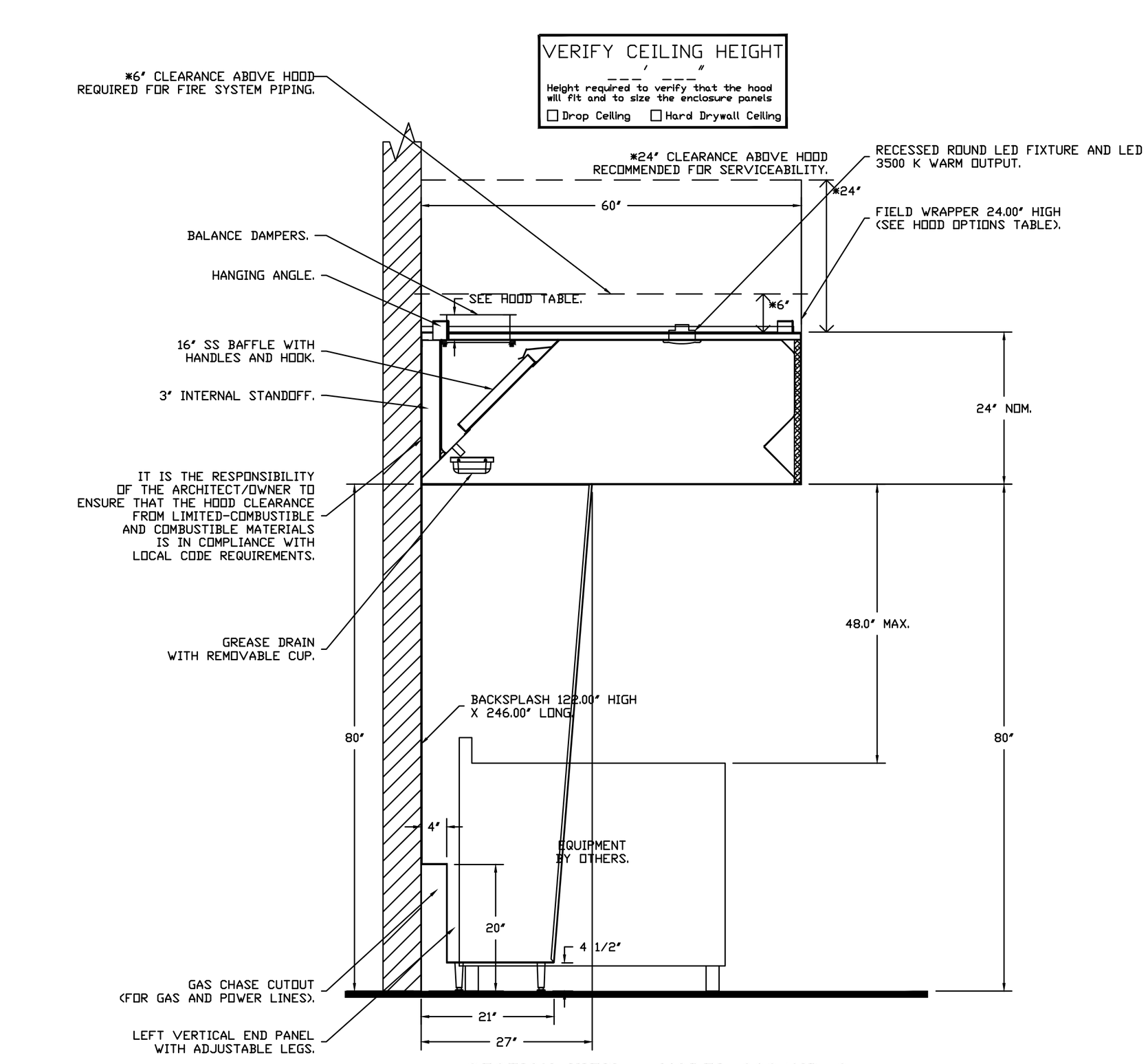
econ·air Chicago Foodservice Division
Ancho & Agave - Lee's Summit, MO - Hoods_ND-2
LEES SUMMIT, MO, 64086
DATE: 4/9/2025
DWG.#: 7453430
DRAWN BY: CT
SCALE: 3/4" = 1'-0"
MASTER DRAWING
SHEET NO. 2



PLAN VIEW - HOOD #4 (68L)
10' 6.00" LONG 6024ND-2

PLAN VIEW - HOOD #5 (68R)
10' 0.00" LONG 6024ND-2





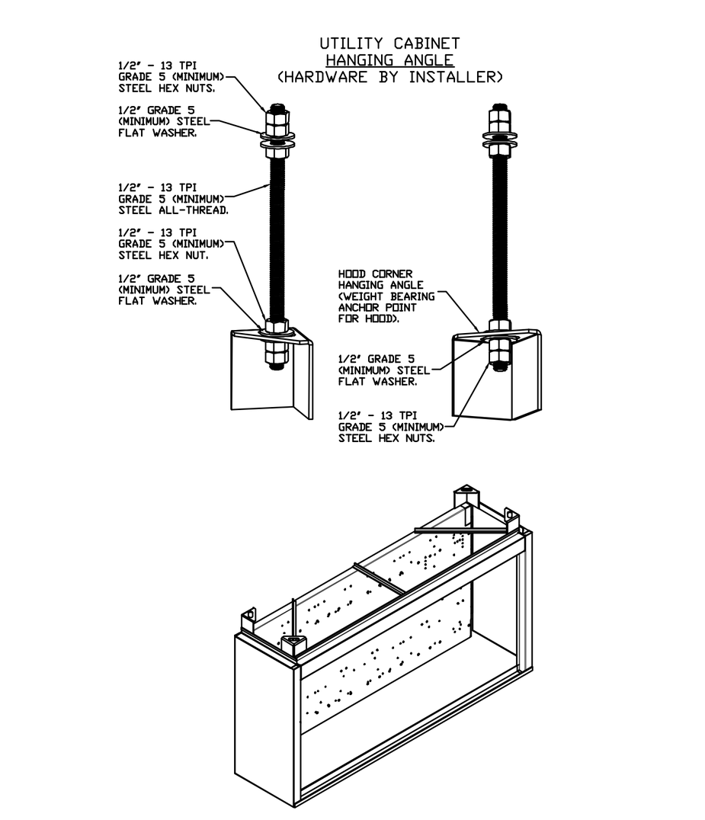
SECTION VIEW - MODEL 6024ND-2
HOOD - #4 (68L)

SECTION VIEW - MODEL 6024ND-2
HOOD - #5 (68R)

WALL-MOUNT UTILITY CABINET
ASSEMBLY INSTRUCTIONS

CABINET TO BE HUNG BY OTHERS. SEE UTILITY CABINET SCHEDULE FOR CABINET SIZE.

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD. SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION BENEATH UTILITY CABINET HANGING ANGLES AND ABOVE CEILING ANCHORS. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.



econ·air Chicago Foodservice Division
1120 Charleston Drive, St. Charles, IL, 60174 PHONE: (630)
Ancho & Agave - Lee's Summit, MO - Hoods_ND-2
LEES SUMMIT, MO, 64086
DATE: 4/9/2025
DWG.#: 7453430
DRAWN BY: CT
SCALE: 3/4" = 1'-0"
MASTER DRAWING
SHEET NO. 3

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BY ____________ DATE ________

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NO	DATE	DESCRIPTION
1	04.25.25	ISSUE FOR PERMIT

CERTIFICATION:

ANCHO & AGAVE
SUMMIT FAIR SHOPPING CENTER
D-BUILDING
860-A NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086

CARR WARNER ARCHITECTS
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CHICAGO, ILLINOIS 60613
p 773•477•9009
f 773•477•6888
www.carrwarner.com

EXHAUST HOOD DETAILS
NO SCALE

JOB NO: ANCHO - SUMMIT FAIR
DATE: 04.25.2025
SHEET NO: K-5