WHATABURGER - PT22M_LEE'S SUMMIT

240 SW M150 HWY, LEE'S SUMMIT, MO 64081



WHATABURGER

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03-17-2023

RESPONSIBILITY MATRIX

1. THE FOLLOWING LIST IDENTIFIES SPECIFIC SCOPE RESPONSIBILITIES BY SELECT MANUFACTURERS, SUPPLIERS AND FABRICATORS. EACH OF THESE GROUPS ARE VERIFIED WHATABURGER PARTNERS THAT WILL EITHER SUPPLY OR SUPPLY / INSTALL.

2. GC TO COORDINATE AND VERIFY SCOPE OF WORK RESPONSIBILITIES PRIOR TO COMMENCEMENT OF WORK.

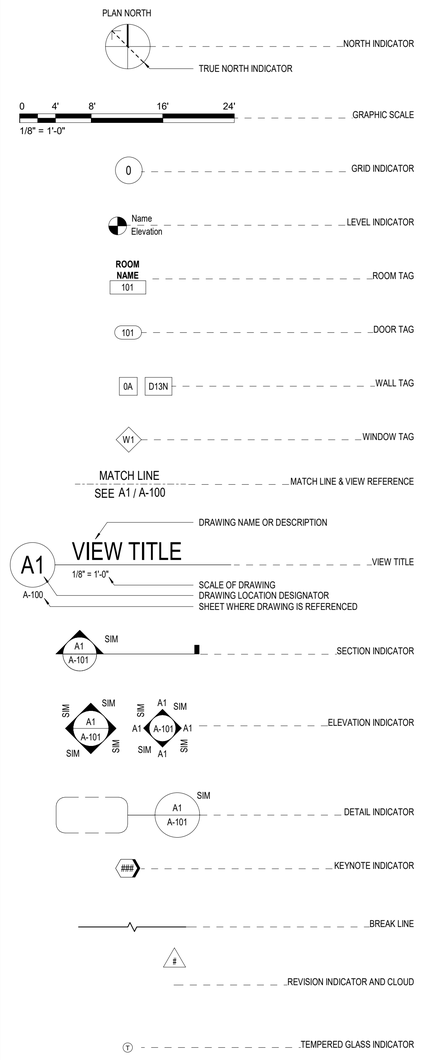
3. GC AND GC SUBCONTRACTORS ARE RESPONSIBLE FOR ALL OTHER SCOPE ITEMS NOT SHOWN OR IDENTIFIED IN THE MATRIX BELOW. GC TO CONFIRM WITH CLIENT THAT THERE ARE NO OVERLAP OF SERVICES PROVIDED PRIOR TO COMMENCEMENT OF WORK.

SUPPLIER	RESPONSIBILITY	SUPPLY ONLY GC INSTALL	SUPPLY AND INSTALL
H+K	KITCHEN EQUIPMENT AND KITCHEN EQUIPMENT ELECTRICAL PANELS SEE: SHEETS K1.1-K1.3 CONTACT: TOM RIDDLE PHONE: (214)621-0300		●
PANTHEON	PANTHEON COMPLETE SYSTEM FOR WALL TILES, FLOOR TILES, BASE TILES, SETTING BED, MORTAR, TILE, AND TILE ACCESORIES. SEE: SHEETS I0.1-I0.11 CONTACT: ERIC SCHICK PHONE: (972)360-9780	●	
CUSTOM SEATING	FURNITURE PACKAGE (DINING ROOM, POS, AND MILLWORK) SEE: SHEET A1.0 FOR OVERAL PLANS AND FURNITURE LEGEND CONTACT: RYKER YOUNG PHONE: (480)686-0151		●
ENTERA	BASIS FOR DESIGN: PRE-FABRICATED COMPONENTS (DRIVE THRU CANOPIES, SOLAR AWNINGS, INTERIOR PERIMETER SOFFIT AT DINING ROOM, FORMED METAL PANELS, SHEET METAL ACCESSORIES, ROOF TOP MECHANICAL SCREENING AT RTU'S, EXTERIOR ELECTRICAL PANEL ENCLOSURE, SIGNAGE, DUMPSTER GATE, HEADACHE BAR AND MENU BOARD CANOPIES SEE: PF1.01-PF1.11 SERIES FOR ADDITIONAL INFORMATION. CONTACT: JOHN BRENNER PHONE: (850)392-0750		●
DECOR	WALL COVERING (WC1-WC5, AT DINING.) SEE: SHEET I0.1 AND I0.11 CONTACT: KENNY MCCORD PHONE: (918)682-4400 EXT. 108		●
OWNER	ELECTRICAL PANEL BOXES. SEE: ELECTRICAL DRAWINGS CONTACT: ADAM TORRES PHONE: (210)760-2251	●	

GENERAL NOTES

1. VISIT PREMISES TO BECOME FAMILIAR WITH EXISTING CONDITIONS. VERIFY THE SCOPE OF WORK AND EVALUATE POTENTIAL PROBLEMS AFFECTING EXECUTION OF THE WORK.
2. THE SUBMISSION OF PRICING SHALL BE CONFIRMATION THAT THE CONTRACTOR HAS FULLY EVALUATED POTENTIAL PROBLEMS AND THAT LATER ADDITIONAL COST AND/OR SCHEDULE CLAIMS FOR LABOR, EQUIPMENT, MATERIAL, OR HARDSHIP WILL NOT BE CONSIDERED.
3. THE DOCUMENTS, DRAWINGS, AND PROJECT MANUALS ARE COMPLIMENTARY IN NATURE. WHAT IS CALLED FOR BY ONE IS BINDING BY ALL. INFORM THE ARCHITECT OF DISCREPANCIES SHOULD THEY OCCUR.
4. ELEVATIONS, DETAILS, AND SECTIONS FOR TYPICAL CONDITIONS ARE GENERALLY REFERRED TO ON THE PLAN, ELEVATION OR DETAIL WHERE THEY FIRST OCCUR, AND ARE TYPICAL FOR LIKE CONDITIONS THROUGHOUT, UNLESS OTHERWISE NOTED.
5. "TYPICAL" MEANS TYPICAL FOR SIMILAR CONDITIONS, UNLESS OTHERWISE NOTED.
6. "SIMILAR" MEANS REFERENCED ITEM IS SIMILAR IN NATURE TO ACTUAL DETAIL, SECTION OR ELEVATION (i.e. OPPOSITE-HAND, REVERSE DIRECTION, ETC.).
7. SUBMITTALS SHALL INCLUDE PROJECT NAME AND WHATABURGER'S PROJECT NUMBER (FOUND ON SHEET TITLEBLOCK) WITH EACH SUBMISSION. SUBMITTALS SHALL BE DISTRIBUTED IN EITHER PAPER OR ELECTRONIC PDF FORMAT.
8. CONTRACTOR IS RESPONSIBLE FOR REVIEW AND APPROVAL OF SUBMITTALS FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS AND COORDINATION WITH ASSOCIATED WORK INDICATED ON DRAWINGS PRIOR TO SUBMISSION TO WHATABURGER FOR REVIEW. CONTRACTOR SHALL PROVIDE THEIR STAMP ON SUBMITTALS PRIOR TO SUBMISSION AS CONFIRMATION THAT SUCH REVIEW AND APPROVAL HAS TAKEN PLACE. WHATABURGER SHALL REVIEW AND RETURN SUBMITTALS WITHIN TEN WORKING DAYS FROM DATE OF SUBMITTAL RECEIPT FROM CONTRACTOR.
9. CONTRACTOR SHALL PREPARE AND SUBMIT REQUESTS FOR INTERPRETATION (RFIs) AS SOON AS THE NEED FOR CLARIFICATION IS DISCOVERED. RFIs ARE TO BE SUBMITTED ELECTRONICALLY IN PDF FORMAT ON CONTRACTOR LETTERHEAD TO WHATABURGER, AND INCLUDE PROJECT NAME, WHATABURGER PROJECT NUMBER, DATE, NAME OF CONTRACTOR, NAME OF ARCHITECT, RFI NUMBER, RFI SUBJECT, REFERENCE DRAWING/DETAIL NUMBERS, AND DESCRIPTION OF APPLICABLE FIELD CONDITIONS. WHATABURGER WILL REVIEW SUBMITTED RFIs AND RETURN WITH RESPONSE ELECTRONICALLY IN PDF FORMAT WITHIN FIVE FULL WORKING DAYS FROM DATE OF RFI DISTRIBUTION.
10. RESTRICT CONSTRUCTION WORK, STAFF, MATERIAL, AND DEBRIS TO THE CONTRACT PREMISES AND AS AUTHORIZED BY LOCATION REPRESENTATIVE.
11. PROVIDE FOR TEMPORARY FIRE EXTINGUISHERS DURING CONSTRUCTION.
12. COORDINATE TRADES TO ENSURE TIMELY COMPLETION OF WORK AND TO MINIMIZE DISRUPTION OF THE ON-GOING BUSINESS ACTIVITIES OF EXISTING TENANTS.
13. OBTAIN REQUIRED PERMITS TO COMPLETE WORK AS SHOWN IN THESE DOCUMENTS.
14. WORK PERFORMED SHALL BE DONE IN ACCORDANCE WITH APPLICABLE CODES, STANDARDS, AND REGULATIONS. NOTHING IN THE DRAWINGS OR RELATED DOCUMENTS IS TO BE CONSTRUED AS REQUIRING OR PERMITTING WORK THAT IS CONTRARY TO CODE REQUIREMENTS.
15. DOCUMENTS INDICATE DESIGN INTENT AND DO NOT DICTATE MEANS AND METHODS REGARDING THE INSTALLATION OF WORK.
16. COORDINATE THE ARRIVAL AND STORAGE OF MATERIALS.
17. CONFIRMATION OF LONG-LEAD ITEMS SHALL BE SUBMITTED TO WHATABURGER AND OWNER'S REPRESENTATIVE FOR APPROVAL WITH BID SUBMISSION.
18. CONTRACTOR TO COMPLY WITH LOCAL AUTHORITY HAVING JURISTICTION HOURS OF OPERATION. THESE INCLUDE RESTRICTIONS AND ALLOWANCES CONCERNING OFF-HOURS ACTIVITIES SUCH AS FLOOR CORING, MATERIAL DELIVERIES, AND SHOT ANCHOR INSTALLATIONS. COORDINATE WITH LOCATION REPRESENTATIVE FOR ADDITIONAL INFORMATION.
19. UPON COMPLETION OF THE WORK, CONTRACTOR SHALL NOTIFY WHATABURGER TO PREPARE A "PUNCHLIST" OF CORRECTIONS AND UNSATISFACTORY AND/OR INCOMPLETE WORK. WHATABURGER SHALL PREPARE ONE PUNCHLIST AND SHALL PERFORM ONE SUBSEQUENT REVIEW OF COMPLETED WORK. SHOULD MORE THAN ONE PUNCHLIST OR MORE THAN ONE SUBSEQUENT REVIEW BE NECESSARY BECAUSE OF UNTIMELY OR INCOMPLETE WORK BY THE CONTRACTOR, THE ADDITIONAL TIME BY ARCHITECT & THE CONTRACTOR SHALL BE AT THE CONTRACTOR'S SOLE EXPENSE.
20. OCCUPANT MOVE-IN DATE SHALL BE APPROVED BY TENANT REPRESENTATIVE. CONTRACTOR TO COMPLETE A FINAL CLEANING PRIOR TO MOVE-IN, INCLUDING REMOVAL OF TEMPORARY PROTECTIONS, WIPING DOWN, CLEANING GLASS, WASHING, WAXING, VACUUMING, AND ANY OTHER SERVICE WHICH WOULD BE PERFORMED UNDER TENANT AND BASE BUILDING STANDARD CLEANING AND MAINTENANCE PROGRAMS.
21. CONTRACTOR TO WARRANTY WORK PERFORMED FOR FOR MINIMUM OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE.
22. IN ADDITION TO EXIT SIGN LOCATIONS SHOWN ON PLAN, PROVIDE FOR A QUANTITY OF 10%, BUT NOT LESS THAN FOUR (4), ADDITIONAL ILLUMINATED EXIT SIGNS TO BE INSTALLED AT FIRE MARSHALL'S DIRECTION ON SITE.
23. ALL PERMANENT EXTERIOR LIGHTING SHALL BE NON-FLASHING AND SHIELDED SUCH THAT THE LIGHT SOURCES IS NOT VISIBLE FROM THE PUBLIC RIGHT-OF-WAY OR ADJACENT RESIDENTIAL USES AT THE PROPERTY LINE. WALL PACK LIGHTING AND OTHER LIGHTING THAT DIRECTS THE LIGHT IN A HORIZONTAL DIRECTION WITHOUT AN ADEQUATE SHIELD IS NOT PERMITTED IF THERE ARE STREETS OR RESIDENTIAL USES IN THE DIRECTION OF THE LIGHT.
24. ALL SITE UTILITY LINES ARE PROPOSED TO BE LOCATED UNDERGROUND. CONTRACTOR TO COORDINATE WITH CIVIL AND EXISTING SITE CONDITIONS.
25. WINDOWS SHALL HAVE A MAXIMUM EXTERIOR REFLECTIVITY OF TWENTY (20%) PERCENT.
26. OCCUPANT LOAD SIGNAGE SHALL BE INSTALLED IN CONSPICUOUS LOCATION AND LEGIBLE. INSPECTOR WILL VERIFY UPON FINAL INSPECTION.

ARCHITECTURAL SYMBOLS



SHEET INDEX

	SHEET NAME
GENERAL	
G0.0	COVER SHEET
G1.0	CODE ANALYSIS AND LIFE SAFETY PLANS
STRUCTURAL	
S0.1	SYMBOLS, ABBREVIATIONS & SPECIAL INSPECTIONS
S0.2	GENERAL NOTES
S1.1	FOUNDATION PLAN
S1.2	ROOF FRAMING PLAN
S2.1	FRAMING ELEVATIONS
S2.2	FRAMING ELEVATIONS
S3.1	FOUNDATION DETAILS
S4.1	SW FRAMING DETAILS
S5.1	TYPICAL DETAILS
S5.2	TYPICAL DETAILS
S5.3	FRAMING DETAILS
S5.4	FRAMING DETAILS
S5.5	FRAMING DETAILS
S5.6	FRAMING DETAILS
S6.1	DUMPSTER ENCLOSURE PLANS & DETAILS
S6.2	SINGLE MENU BOARD CANOPY
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A0.3	WINDOW, DOOR AND FRAME TYPES, DOOR SCHEDULE
A1.0	OVERALL/ FURNITURE FLOOR PLAN
A1.1	CONSTRUCTION FLOOR PLAN
A1.3	REFLECTED CEILING PLAN
A1.4	ROOF PLAN
A1.6	ENTRY PORTAL
A2.1	EXTERIOR ELEVATIONS
A2.2	EXTERIOR ELEVATIONS
A2.3	EXTERIOR RENDERINGS
A2.4	EXTERIOR RENDERINGS
A2.5	EXTERIOR RENDERINGS
A3.1	BUILDING SECTIONS
A3.2	BUILDING SECTIONS
A4.1	WALL SECTIONS
A4.2	WALL SECTIONS
A4.3	WALL SECTIONS
A4.4	WALL SECTIONS
A5.0	EXTERIOR FINISH SCHEDULE
A5.1	SECTION DETAILS
A5.2	SECTION DETAILS
A5.3	SECTION DETAILS
A5.4	WALL AND ROOF TYPES
A5.5	PARTITION TYPES
A5.6	PLAN DETAILS
A6.6	DUMPSTER
A7.0	MONUMENTAL SIGN TYPES
A7.1	MONUMENTAL SIGN TYPES
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I0.11	FINISH SCHEDULE
I1.2	ENLARGED PLAN AND INTERIOR ELEVATIONS
I1.3	ENLARGED PLAN AND INTERIOR ELEVATIONS
I2.1	INTERIOR ELEVATIONS
I2.2	INTERIOR ELEVATIONS
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P1.1	PLUMBING UNDERFLOOR PLAN
P1.2	PLUMBING FLOOR PLAN
P2.1	PLUMBING ROOF PLAN
P3.1	PLUMBING RISER DIAGRAMS
P3.2	SLAB ROUGH-IN PLAN
P4.1	PLUMBING DETAILS
P4.2	PLUMBING DETAILS
P5.1	PLUMBING SCHEDULES
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M6.1	MECHANICAL SCHEDULES
M7.1	MECHANICAL CONTROLS
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E0.2	ELECTRICAL ABBREVIATIONS AND SCHEDULES
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E5.1	ELECTRICAL DIAGRAMS
E5.2	ELECTRICAL DETAILS
E5.3	CONTROL SYSTEMS PLAN
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E7.1	ELECTRICAL PANEL SCHEDULES
E7.2	ELECTRICAL PANEL SCHEDULES
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PF1.02	CANOPY LAYOUT
PF1.03	CANOPY CONNECTION DETAILS
PF1.04	CLEARANCE BAR
PF1.05	DRIVE-THRU CANOPY
PF1.06	DUMPSTER GATE
PF1.07	ELECTRICAL CABINET LAYOUT
PF1.08	RTU SCREENING
PF1.09	RTU SCREENING
PF1.11	LIGHTING LAYOUT

WHATABURGER

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STATE OF MISSOURI
PAUL HAGLE
A2002001418
REGISTERED ARCHITECT

Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

PROJECT DATA

Scale

As indicated

G0.1

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CODE ANALYSIS

APPLICABLE CODES				
JURISDICTION	**CITY**	**COUNTY**		**STATE**
CODE ENFORCEMENT	CITY OF LEE'S SUMMIT	JACKSON		MISSOURI
ZONING	PI - PLANNED INDUSTRIAL			USA
CODE	**TITLE**	**EDITION**	**AMENDMENTS**	**REMARKS**
BUILDING	INTERNATIONAL BUILDING CODE	2018	-	
FIRE	INTERNATIONAL FIRE CODE	2018	-	
MECHANICAL	INTERNATIONAL MECHANICAL CODE	2018	-	
ELECTRICAL	NATIONAL ELECTRICAL CODE	2017	-	
PLUMBING	INTERNATIONAL PLUMBING CODE	2018	-	
LANDSCAPE	LOCAL LANDSCAPE ORDINANCE	YES	-	
ENERGY	INTERNATIONAL ENERGY CONSERVATION CODE	2009	-	
SIGNAGE	LOCAL SIGNAGE ORDINANCE	YES	-	
ADA	ICC A117.1	2009	-	
HEALTH	LOCAL HEALTH REQUIREMENTS	YES	-	

USE AND OCCUPANCY CLASSIFICATION				IBC 2018	SECTION 302
	USE GROUP 303.3	CONSTRUCTION TYPE TABLE 601	FIRE PROTECTION 903.2.1.2	MIXED USE SECTION 508.3	AREA (SF)
CLASSIFICATION	ASSEMBLY GROUP A-2	VB	NA	MAJOR OCCUPANCY A-2 NON SEPARATED OCC.	**3,305**
ACTUAL BUILDING AREA					**3,305**
MIXED USE	**ASSEMBLY, STORAGE, BUSINESS**				

GENERAL BUILDING SUMMARY			IBC 2018	TABLE 504.3
BUILDING HEIGHT LIMITATIONS	STORIES	BUILDING AREA LIMITATIONS (PER FLOOR)		AREA (SF)
ALLOWABLE HEIGHT LIMITATION	1 STORY, 40'	ALLOWABLE AREA LIMITATION		6,000
OTHER	N/A	ALLOWABLE AREA INCREASE (SEPARATION)		N/A
TOTAL ALLOWABLE HEIGHT	40'	TOTAL ALLOWABLE AREA		6,000
ACTUAL HEIGHT (IN STORIES)	**1 STORY, 21'-0"**	**ACTUAL BUILDING AREA**		**3,305**

FIRE RESISTANCE RATINGS			IBC 2018	TABLE 601
BUILDING ELEMENT	RATING (HOURS)	DESIGN NO.	REMARKS	
STRUCTURAL FRAME	0		TABLE 601	
BEARING WALLS: EXTERIOR	0		TABLE 601	
BEARING WALLS: INTERIOR	0		TABLE 601	
NONBEARING WALLS: EXTERIOR	0		TABLE 602	
NONBEARING WALLS: INTERIOR	0		TABLE 601	
FLOOR CONSTRUCTION	0		-	
ROOF CONSTRUCTION	0		-	
CORRIDORS	0		TABLE 1018.1	
OPEN EGRESS STAIRS	N/A		-	

FIRE RESISTANCE RAITINGS FOR EXTERIOR WALLS BASED ON SEPARATION DISTANCE		IBC 2018	TABLE 602
MINIMUM FIRE RESISTANCE RATING	MINIMUM FIRE SEPARATION	ACTUAL FIRE SEPARATION	
0	X≥30	X≥30	

OCCUPANT LOAD				IBC 2018	TABLE 1004.1.2
OCCUPANCY	AREA (SF)	FACTOR	LOAD (OCCUPANTS)	REMARKS	
STORAGE	755	300 SF	3		
BUSINESS	53	150 SF	1		
COMMERCIAL KITCHEN	805	200 SF	5	1	
NON-FIXED SEATING	762	15 SF	51		
FIXED SEATING	-	24" PER PERSON	24	588 LINEAR INCHES OF SEATING	
WAITING	56	5 SF	12	1	
RESTROOMS	202	0 NET			
TOTAL	2098		**96**	1	

MEANS OF EGRESS			IBC 2018	CHAPTER 10
EGRESS WIDTH	FACTOR (INCHES PER OCCUPANT)	REQUIRED (INCHES)	PROVIDED (INCHES)	REMARKS
DOORS, RAMPS, COORIDORS	0.2	20	150	1005.3.2
EXIT ACCESS REQUIREMENTS		MINIMUM UNITS	PROVIDED UNITS	REMARKS
MINIMUM NUMBER OF EXITS		2	3	1006.3.1
MINIMUM CORRIDOR WIDTH (INCHES)		44	44	1020.2
STORE MINIMUM EXIT SEPARATION (FEET)		32	41	1007.1.1
MAXIMUM LENGTH OF EXIT ACCESS TRAVEL (FEET)		250	<250	1017.2
MAXIMUM DEAD ENDS: (FEET)		20	<20	1029.9.5
MAXIMUM COMMON PATH OF EGRESS TRAVEL (FEET) IN B OCCUPANCY		100	<75	1006.2.1
MAXIMUM COMMON PATH OF EGRESS TRAVEL (FEET) IN A OCCUPANCY		30	<30	1029.8

INTERIOR FINISHES			IBC 2018	TABLE 803.1
MAXIMUM FLAME SPREAD CLASS	WALLS/CEILINGS	REMARKS		
EXIT PASSAGEWAYS	B	TABLE 803.11		
COORIDORS	B	TABLE 803.11		
ROOMS AND ENCLOSED SPACES	C	TABLE 803.11		

PLUMBING FIXTURE COUNT						IPC 2018	TABLE 403.1
TOTAL STORE OCCUPANT LOAD	100	MEN	50	WOMEN	50	REMARKS	
FIXTURE TYPE	FACTOR PER OCCUPANT	REQUIRED	PROVIDED	REQUIRED	PROVIDED		
WATER CLOSET	75	1	1	1	2		
URINALS	50% MAY BE URINAL	N/A	1	N/A	N/A		
LAVATORIES	200	1	1	1	1		
UNISEX TOILET (REQUIRED IF 6 OR MORE WC ARE REQUIRED)	N/A	0		0			
SERVICE SINKS	1 REQUIRED	1					
DRINKING FOUNTAINS	EXEMPT	SECTION 410.4					

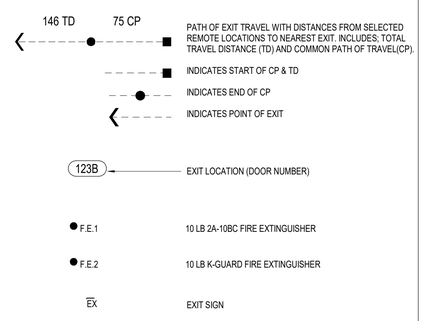
1. PERFORM WORK IN COMPLIANCE WITH ALL APPLICABLE ACCESSIBILITY, FEDERAL, STATE AND LOCAL CODES AND ORDINANCES. NOTIFY ARCHITECT OF ANY DISCREPANCIES FOR CLARIFICATION.
2. ENVELOPE DESIGN REQUIRED TO MEET IECC 2021 TABLE 402.1.3 FOR WOOD FRAME WALL.
3. COORDINATE ALL TRADES PRIOR TO CONSTRUCTION TO ENSURE PROPER SEQUENCING OF THE WORK.
4. VERIFY ALL EXISTING CONDITIONS PRIOR TO BIDDING, FABRICATION AND CONSTRUCTION. NOTIFY ARCHITECT OF ANY DISCREPANCIES FOR CLARIFICATION.
5. DO NOT SCALE DRAWINGS. NOTIFY ARCHITECT OF ANY DIMENSIONAL DISCREPANCIES FOR CLARIFICATION.
6. DIMENSIONS UNLESS NOTED OTHERWISE:
   TO FACE OF WOOD STUD, CONCRETE OR MASONRY WORK; TO CENTERLINE OF COLUMNS OR OTHER GRID POINTS TO CENTERLINE FRAMES WINDOW AND DOOR OPENINGS; TO FINISH FACES OF CLEAR WIDTHS.
7. VERIFY SIZE, CHARACTERISTICS, AND REQUIRED CLEARANCES OF ALL EQUIPMENT TO BE FURNISHED WITH MANUFACTURERS OR SUPPLIERS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT OF ANY DISCREPANCIES FOR CLARIFICATION.
8. PROVIDE BLOCKING AND GROUNDS AS SPECIFIED FOR BUILT-IN AND SURFACE MOUNTED ITEMS PRIOR TO APPLYING WALL-SURFACING MATERIALS. LOCATIONS SHALL BE COORDINATED WITH THE WORK OF OTHER TRADES.
9. CONCEAL ALL PLUMBING, DUCTWORK, CONDUIT, WIRE, AND SIMILAR ITEMS UNLESS NOTED OTHERWISE.

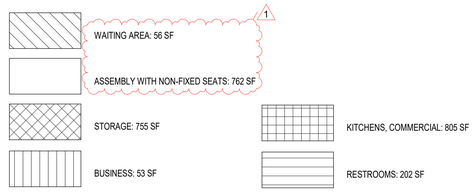
DEFERRED SUBMITTALS

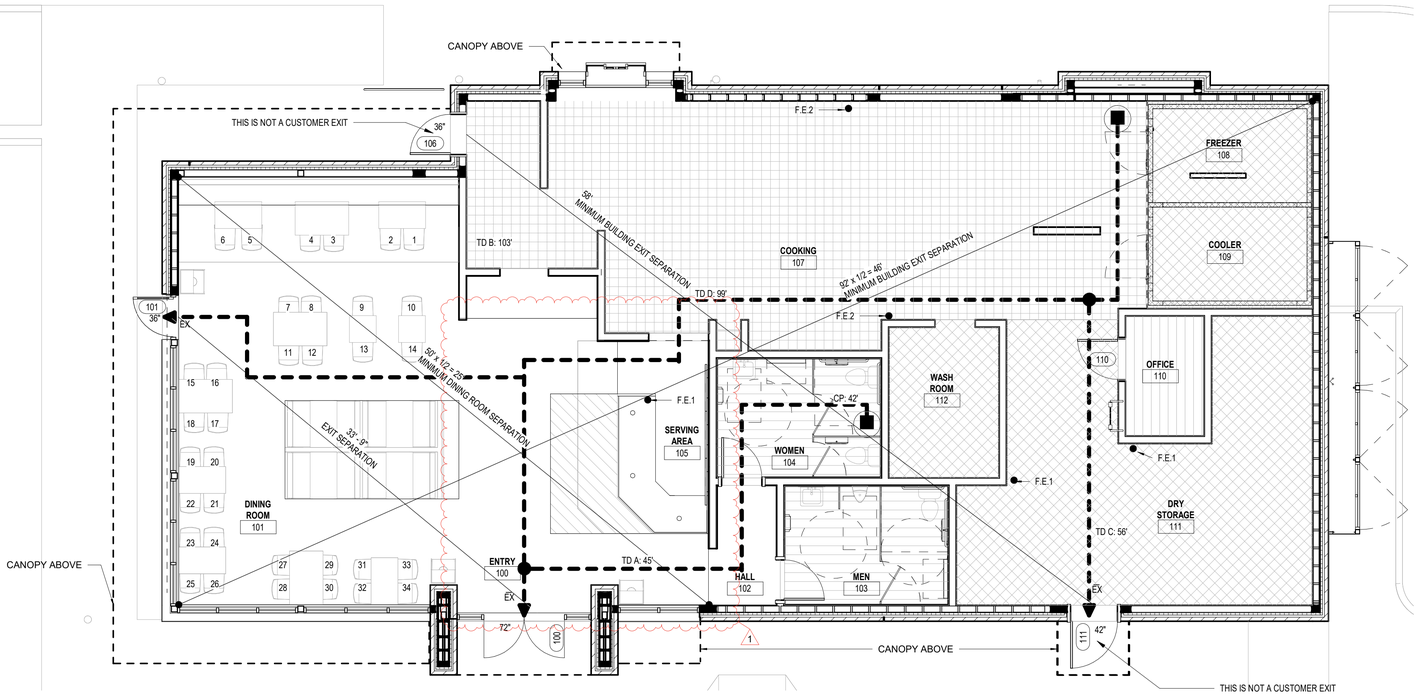
PLANS AND SPECIFICATIONS FOR DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE PLANNING & DEVELOPMENT DEPARTMENT AFTER BEING REVIEWED FOR CONFORMANCE WITH THE BUILDING OR STRUCTURE DESIGN BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE AND SHALL HAVE PDD APPROVAL PRIOR TO ERECTION, CONSTRUCTION OR INSTALLATION IN THE FIELD. THE REGISTRED DESIGN PROFESSIONAL IN RESPOSIBLE CHARGE SHALL PROVIDE A NOTATION ON ALL DEFERRED DOCUMENTS THAT ACKNOWLEDGES REVIEW OF SUCH DOCUMENTS. A SEPARATE PERMIT FOR THE INSTALLATION OF A DEFFERED ITEM SHALL NOT BE REQUIRED UNLESS SPECIFIED IN THIS CODE.

- KITCHEN HOOD FIRE SUPPRESSION
- SIGNAGE
- FIRE ALARM SYSTEM
- PRE - ENGINEERED WOOD TRUSS

LIFE SAFETY PLAN LEGEND







A1 LIFE SAFETY PLAN
SCALE 3/16" = 1'-0"

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CODE ANALYSIS AND LIFE SAFETY PLANS

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ABBREVIATIONS

(ALL ABBREVIATIONS SHOWN ARE NOT NECESSARILY USED ON THE DRAWINGS)

A

A/E	ARCHITECT/ENGINEER
ACI	AMERICAN CONCRETE INSTITUTE
ADDL	ADDITIONAL
ADJ	ADJACENT
AFF	ABOVE FINISH FLOOR
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ALT	ALTERNATE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX	APPROXIMATE (-LY)
ARCH	ARCHITECTURAL, ARCHITECT
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWS	AMERICAN WELDING SOCIETY

B

BC	BOTTOM CHORD
BLDG	BUILDING
BM	BEAM
BOD	BOTTOM OF DECK
BOT	BOTTOM
BP	BASE PLATE
BRG	BEARING
BS	BOTH SIDES
BVL	BEVELED
BW	BOTH WAYS

C

C	COMPRESSION, CHANNEL SHAPE
CG	CENTER OF GRAVITY
CJ	CONSTRUCTION JOINT
CL	CENTERLINE
CLR	CLEAR, CLEARANCE
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS, CONTINUED
CONTR	CONTRACTOR
CONX	CONNECTION

D

DETL	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DL	DEAD LOAD
DN	DOWN
DO	DITTO
DWG	DRAWING (-S)
DWL	DOWEL

E

EA	EACH
EF	EACH FACE
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
ELEV, EL	ELEVATION
EMBED	EMBEDMENT, EMBEDDED
ENGR	ENGINEER
EQ	EQUAL, EARTHQUAKE
EQUIP	EQUIPMENT
ES	EACH SIDE
EW	EACH WAY
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR

F

FD	FLOOR DRAIN
FDN	FOUNDATION
FF	FINISH FLOOR
FIN	FINISH (-ED)
FLR	FLOOR
FS	FAR SIDE
FT	FOOT/FEET
FTG	FOOTING

G

GA	GAGE OR GAUGE
GALV	GALVANIZED
GB	GRADE BEAM
GC	GENERAL CONTRACTOR

H

HEE	HOOK EACH END
HORIZ	HORIZONTAL
HP	HIGH POINT
HSA	HEADED STUD ANCHOR
HSS	HOLLOW STRUCTURAL SECTION

I

IN	INCH (-ES)
INFO	INFORMATION
INT	INTERIOR

J

JST	JOIST
JT	JOINT

K

K	KIPS (1000 LBS)
KSI	KIPS PER SQUARE INCH

L

L	ANGLE SHAPE
LB, #	POUND
LD	DEVELOPMENT LENGTH
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LONG	LONGITUDINAL
LP	LOW POINT
LVL	LEVEL

M

MAX	MAXIMUM
MC	MISCELLANEOUS CHANNEL SHAPE
MECH	MECHANICAL
MEP	MECHANICAL, ELECTRICAL, PLUMBING
MFR	MANUFACTURE (-R)
MIN	MINIMUM
MISC	MISCELLANEOUS
MT	STRUCTURAL TEE CUT FROM MISC STEEL
MTL	METAL

N

N/A	NOT APPLICABLE
NF	NEAR FACE
NS	NEAR SIDE
NTS	NOT TO SCALE

O

OC	ON CENTER
OPNG	OPENING (-S)
OPP	OPPOSITE
OH	OPPOSITE HAND

P

PERP	PERPENDICULAR
PL	PLATE
PLBG	PLUMBING
PLF	POUNDS PER LINEAR FOOT
PREFAB	PREFABRICATED
PRELIM	PRELIMINARY
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH

R

RAD	RADIUS
RD	ROOF DRAIN
RE:, REF	REFER TO
REINF	REINFORCE (-D,-ING,-MENT)
REQD	REQUIRED
REV	REVISION

S

SCHED	SCHEDULE(D)
SDI	STEEL DECK INSTITUTE
SECT	SECTION
SHT	SHEET
SIM	SIMILAR
SPEC	SPECIFICATION(S)
SSL	SHORT SLOTTED (HOLES)
STD	STANDARD
STIFF	STIFFENER
STIR	STIRRUP
STL	STEEL
STR	STRUCTURAL
STRUCT	STRUCTURE

T

T/	TOP OF
T&B	TOP & BOTTOM
TEMP	TEMPERATURE, TEMPORARY
THRD	THREADED
THRU	THROUGH
TOC	TOP OF CONCRETE
TOS	TOP OF STEEL
TYP	TYPICAL

U

UNO	UNLESS NOTED OTHERWISE

V

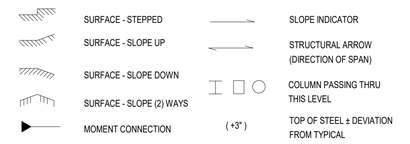
VERT	VERTICAL

W

W/	WITH
W/O	WITHOUT
WP	WORK POINT
WT	WEIGHT, STRUCTURAL TEE CUT FROM WIDE FLANGE BEAM

STRUCTURAL SYMBOLS

(ALL SYMBOLS SHOWN ARE NOT NECESSARILY USED ON THE DRAWINGS)



THE FOLLOWING SYMBOLS ARE USED TO REPRESENT THE MATERIALS SHOWN ON THE STRUCTURAL DRAWINGS. REFER TO SPECIFICATIONS AND GENERAL NOTES FOR MATERIAL QUALITIES REQUIRED.



SPECIAL INSPECTIONS

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
CONCRETE CONSTRUCTION				
1. INSPECTION OF REINFORCING STEEL AND PLACEMENT.	-	X	ACI 318: 3.5, 7.1-7.7	1910.4
2. INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE 1705.2.2, ITEM 2B.	-	-	AWS D1.4, ACI 318: 3.5.2	-
3. INSPECTION OF ANCHORS CAST IN CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED OR WHERE STRENGTH DESIGN IS USED.	-	X	ACI 318: 8.1.3, 21.2.8	1908.5, 1909.1
4. INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.	-	X	ACI 318: 3.8.6, 8.1.3, 21.2.8	1909.1
5. VERIFYING USE OF REQUIRED DESIGN MIX.	-	X	ACI 318: CH. 4, 5.2-5.4	1904.2, 1910.2, 1910.3
6. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	-	ASTM C 172, ASTM C31, ACI 318: 5.6, 5.8	1910.10
7. INSPECTION OF CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	-	ACI 318: 5.9, 5.10	1910.6, 1910.7, 1910.8
8. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	-	X	ACI 318: 5.11-5.13	1910.9
9. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	-	X	ACI 318: 6.1.1	-
10. VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	-	X	ACI 318: 6.2	-
STEEL CONSTRUCTION				
1. STRUCTURAL STEEL FRAMING	-	X		
2. INSPECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF AISC 360.	-	-	AISC 360 CH. N	-
3. INSPECTION OF COLD FORMED STEEL STRUCTURAL FRAMING SHALL BE IN ACCORDANCE WITH THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF AISI S240.	-	-	AISI 240 CH. D	-
MASONRY CONSTRUCTION				
1. MASONRY CONSTRUCTION SHALL BE INSPECTED AND VERIFIED IN ACCORDANCE WITH TMS 402 / ACI 530 / ASCE 5 AND TMS 602 / ACI 530.1 / ASCE 6 QUALITY ASSURANCE PROGRAM REQUIREMENTS.				
WOOD CONSTRUCTION				
1. STRUCTURAL WOOD FRAMING	-	X		
2. SPECIAL INSPECTIONS OF THE FABRICATION PROCESS OF PREFABRICATED WOOD STRUCTURAL ELEMENTS AND ASSEMBLIES SHALL BE IN ACCORDANCE WITH IBC SECTION 1704.2.5. SPECIAL INSPECTIONS OF SITE-BUILT ASSEMBLIES SHALL BE IN ACCORDANCE WITH THIS SECTION.	-	-		
SOIL				
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, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	-	X		
WIND RESISTANCE				
1. WIND RESISTING COMPONENTS:				
A. ROOF CLADDING	-	-		
B. WALL CLADDING	-	-		
C. N/A	-	-		

CONTINUOUS MEANS FULL-TIME OBSERVATION OF WORK. PERIODIC MEANS PART-TIME OR INTERMITTENT OBSERVATION OF WORK AND AT THE COMPLETION OF WORK. ALL OTHER INSPECTIONS NOT LISTED ABOVE BUT REQUIRED BY IBC OR THE CLIENT SHALL BE PERFORMED.

1. THE OWNER SHALL ASSIGN AND EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED IN THE SPECIAL INSPECTIONS TABLE ABOVE PER SECTION 1705 OF THE IBC. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION. THESE INSPECTIONS ARE IN ADDITION TO THE INSPECTIONS SPECIFIED IN THE PROJECT SPECIFICATIONS.
2. SPECIAL INSPECTORS SHALL KEEP RECORDS OF INSPECTIONS AND PROVIDE SPECIAL INSPECTION REPORTS. THE SPECIAL INSPECTORS OR CONTRACTOR SHALL SUBMIT INSPECTION REPORTS TO THE BUILDING OFFICIAL, AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS DONE IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO COMPLETION OF THAT PHASE OF WORK. A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED AT A POINT IN TIME AGREED UPON BY THE PERMIT APPLICANT AND THE BUILDING OFFICIAL PRIOR TO THE START OF WORK.
3. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE SPECIAL INSPECTOR REGARDING INDIVIDUAL INSPECTIONS FOR ITEMS LISTED IN THE SPECIAL INSPECTIONS TABLE ABOVE AND AS NOTED ON THE BUILDING DEPARTMENT APPROVED PLANS. ADEQUATE NOTICE AND ACCESS TO APPROVED PLANS SHALL BE PROVIDED SO THAT THE SPECIAL INSPECTOR HAS TIME TO BECOME FAMILIAR WITH THE PROJECT.
4. ALL STEEL FRAMING SHALL BE SUPPLIED BY CITY APPROVED FABRICATOR. FABRICATORS OF STRUCTURAL, LOAD-BEARING MEMBERS AND ASSEMBLIES SHALL CONFORM TO THE REQUIREMENTS OF SECTION 1704.2.5 OF THE IBC.

WHATABURGER

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Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

SYMBOLS, ABBREVIATIONS & SPECIAL INSPECTIONS

Scale

1 : 1

S0.1

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3/17/2023 12:47:04 PM BIM 360://122.0088.470 - WB - Lee Summit MO PT22M/LEES SUMMIT_PT22M_STRC_R21.rvt

GENERAL NOTES

1. BUILDING AND DESIGN CODES:
   A. 2018 INTERNATIONAL BUILDING CODE
   B. ASCE 7-16: MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
   C. ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES
   D. ACI 318: BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, LATEST EDITION
   E. AISC 360: SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, LATEST EDITION
   F. AISC MANUAL OF STEEL CONSTRUCTION, LATEST EDITION
   G. AISI 2016: SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS
   H. AMERICAN WELDING SOCIETY, WELDING CODES
   I. TMS 402/ACI 530/ASCE 6: BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES, LATEST EDITION
   J. NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION, LATEST EDITION
2. OCCUPANCY CATEGORY II
3. LIVE LOADS:
   A. FLOOR 100 PSF
   B. ROOF 20 PSF
4. WIND LOADS:
   A. BASIC WIND SPEED (3 SECOND GUST) 109 MPH (ULTIMATE)
   B. IMPORTANCE FACTOR, I 1.0
   C. EXPOSURE CATEGORY C
   D. INTERNAL PRESSURE COEFFICIENT, GCpi +/- 0.18
   E. DESIGN WIND PRESSURES (COMPONENTS & CLADDING)

		SURFACE PRESSURE (1.0 W) (PSF)		
		10 SF AREA	20 SF AREA	50 SF AREA
ROOF ZONES	1'. INTERIOR	+16 / -23.7	+16 / -23.7	+16 / -23.7
	1. INTERIOR	+16 / -41.3	+16 / -38.6	+16 / -35.0
	2. END	+16 / -54.5	+16 / -51.0	+16 / -46.4
	3. CORNER	+16 / -74.3	+16 / -67.3	+16 / -58.0
WALL ZONES	4. INTERIOR	+23.7 / -25.7	+22.7 / -24.7	+21.3 / -23.3
	5. END	+23.7 / -31.6	+22.7 / -29.5	+21.3 / -26.8

   a. (+) VALUES INDICATE PRESSURES TOWARDS THE BUILDING. (-) VALUES INDICATE PRESSURES AWAY FROM THE BUILDING.
   b. FOR SMALLER TRIBUTARY AREAS, LOADS WILL BE LARGER THAN SHOWN. CALCULATE PER CODE REQUIREMENTS.
   c. WIDTH OF END ZONES 4.0 FT
   A. ANALYSIS PROCEDURE ENVELOPE PROCEDURE FOR LOW-RISE BUILDINGS
1. SNOW LOADS
   A. GROUND SNOW LOAD, P_g 20 PSF
   B. SNOW EXPOSURE FACTOR, C_e 1.0
   C. IMPORTANCE FACTOR, I 1.0
   D. THERMAL FACTOR, C_t 1.0
2. RAIN LOADS
   A. RAINFALL INTENSITY, i 7.48 IN/HR
   B. PONDING LOAD, R 20.8 PSF
3. SEISMIC LOADS:
   A. IMPORTANCE FACTOR, I 1.0
   B. RISK CATEGORY II
   C. MAPPED SPECTRAL RESPONSE ACCELERATIONS S_S = 0.101, S_1 = 0.069
   D. SITE CLASS C
   E. DESIGN SPECTRAL RESPONSE ACCELERATIONS S_{DS} = 0.088, S_{D1} = 0.069
   F. SEISMIC DESIGN CATEGORY B
   G. BASIC SEISMIC FORCE RESISTING SYSTEM PLYWOOD SHEAR WALLS
   H. DESIGN BASE SHEAR V = Cs x W
   I. SEISMIC RESPONSE COEFFICIENT (1.0 E) C_S = 0.009 W
   J. RESPONSE MODIFICATION FACTOR R = 6.5
   K. ANALYSIS PROCEDURE EQUIVALENT LATERAL FORCE PROCEDURE
4. GENERAL REQUIREMENTS:
   A. SPECIFICATIONS ARE PART OF THE CONSTRUCTION DOCUMENTS AND MUST BE USED IN CONJUNCTION WITH THE DRAWINGS. WHERE REQUIREMENTS INDICATED ON THE STRUCTURAL DRAWINGS DIFFER FROM THE SPECIFICATIONS, NOTIFY A/E.
   B. VERIFY EXISTING CONDITIONS AND DIMENSIONS PRIOR TO BEGINNING WORK OR FABRICATING MATERIALS. NOTIFY A/E OF DISCREPANCIES BEFORE PROCEEDING WITH ANY PHASE OF WORK.
   C. VERIFY WITH OTHER DISCIPLINE DRAWINGS THE LOCATION OF CHASES, INSERTS, OPENINGS, SLEEVES, FINISHES, DEPRESSIONS, PADS, AND WALL OPENINGS.
   D. DO NOT SCALE DRAWINGS FOR THE PURPOSE OF ESTABLISHING DIMENSIONS.
   E. DETAILS LABELED "TYPICAL DETAILS" ON DRAWINGS APPLY TO SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY DETAILED. SUCH DETAILS APPLY WHETHER OR NOT DETAILS ARE REFERENCED AT EACH LOCATION. NOTIFY A/E OF CONFLICTS REGARDING APPLICABILITY OF "TYPICAL DETAILS".
   F. DO NOT LOAD THE SLAB-ON-GRADE OR SUPPORTED SLAB WITH ERECTION CRANES OR ERECTION EQUIPMENT. THE SLABS HAVE NOT BEEN DESIGNED FOR CRANE LOADS AND WILL REQUIRE AN INCREASE IN THICKNESS AND/OR REINFORCEMENT. SUBMIT FOR A/E REVIEW A PROPOSED CRANE SUPPORT PLAN FOR SLABS PRIOR TO COMMENCING WORK.
   G. DO NOT STORE OR STACK CONSTRUCTION MATERIALS ON SUPPORTED SLABS, ELEVATED FLOORS, OR ROOFS IN EXCESS OF 80 PERCENT OF LIVE LOAD. GENERAL CONTRACTOR WILL BE RESPONSIBLE AND ENSURE THAT ALL SUB-CONTRACTORS ARE INFORMED AND DO NOT VIOLATE THIS IMPORTANT REQUIREMENT. AVOID IMPACT WHEN PLACING MATERIALS ON POURED OR ERECTED FLOORS OR ROOF.
   H. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. UNLESS INDICATED OTHERWISE, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION. PROVIDE ALL MEASURES REQUIRED TO PROTECT THE STRUCTURE, WORKMEN, AND OTHER PERSONS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT ARE NOT LIMITED TO, BRACING, SHORING FOR CONSTRUCTION EQUIPMENT, SHORING FOR THE BUILDING, FORMS AND SCAFFOLDING, SHORING OF RETAINING WALLS AND OTHER TEMPORARY SUPPORTS AS REQUIRED.
   I. PRINCIPAL OPENINGS THROUGH THE FRAMING ARE SHOWN ON DRAWINGS. EXAMINE THE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR THE REQUIRED OPENINGS AND PROVIDE FOR REQUIRED OPENINGS WHETHER SHOWN ON THE STRUCTURAL DRAWINGS OR NOT. VERIFY SIZE AND LOCATION OF ALL OPENINGS WITH THE MECHANICAL CONTRACTOR. BRING ANY DEVIATION FROM THE OPENINGS SHOWN ON THE STRUCTURAL DRAWINGS TO THE ENGINEER'S ATTENTION FOR APPROVAL
   J. COORDINATE AND PROVIDE ALL MISCELLANEOUS FRAMING MEMBERS SHOWN ON THE ARCHITECTURAL DRAWINGS. THESE MEMBERS MAY NOT BE SHOWN ON THE STRUCTURAL DRAWINGS.
   K. ARCHITECTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS AND SYSTEMS SHALL BE DESIGNED AND CONSTRUCTED TO RESIST SEISMIC FORCES AS DETERMINED IN CHAPTER 13 OF ASCE 7.

FOUNDATION NOTES

1. REFER TO THE GEOTECHNICAL REPORT AND SPECIFICATIONS FOR GENERAL REQUIREMENTS OF EARTHWORK, OVER EXCAVATION, SUBGRADE PREPARATION, FILL AND COMPACTION, WATERPROOFING AND OTHER PERTINENT REQUIREMENTS AND INFORMATION.
2. FOUNDATION DESIGNS AND SUBGRADE PREPARATION ARE BASED UPON THE RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL REPORT NUMBER 02215334 REV1, BY TERRACON CONSULTANTS, INC. DATED 06/14/2022.
3. FOOTING DESIGNS ARE BASED ON AN ALLOWABLE SOIL BEARING PRESSURE OF 2,500 PSF (AN APPROPRIATE FACTOR OF SAFETY HAD BEEN APPLIED BY GEO TECH ENGINEER).
4. CONTRACTOR AND TESTING LABORATORY REPRESENTATIVE SHALL READ THE GEOTECHNICAL REPORT AND BECOME THOROUGHLY FAMILIAR WITH SITE AND SUBGRADE INFORMATION. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT QUANTITIES OF CUT AND FILL FOR ESTIMATING AND CONSTRUCTION. SUBGRADE SHALL BE PREPARED AS NOTED IN THE GEOTECHNICAL REPORT.
5. ARRANGE FOR OWNER'S INDEPENDENT TESTING AGENCY TO MONITOR CUT AND FILL OPERATIONS AND PERFORM FIELD DENSITY AND MOISTURE CONTENT TESTS TO VERIFY COMPACTION AND APPROVE FOOTING SUBGRADE PRIOR TO PLACING CONCRETE. CUT AND FILL OPERATIONS SHALL BE INSPECTED AND APPROVED BY A GEOTECHNICAL ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED.
6. A QUALIFIED AND REGISTERED GEOTECHNICAL ENGINEER, LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED AND WORKING FOR THE TESTING LABORATORY, SHALL DETERMINE CONFORMANCE OF THE FOUNDATION BEARING STRATA WITH THE FOUNDATION DESIGN CRITERIA ABOVE, AND ALL OTHER CONTRACT DOCUMENTS, AND VERIFY SIZE, REINFORCING STEEL, THICKNESS, EMBEDMENT DEPTH, AND REMOVAL OF CUT MATERIAL. TESTING LABORATORY SHALL NOTIFY CONTRACTOR AND A/E OF ANY CONDITIONS NOT IN ACCORDANCE WITH FOUNDATION DESIGN CRITERIA OR CONTRACT DOCUMENTS.
7. USE ONLY STRUCTURAL FILL MATERIAL AS NOTED IN THE GEOTECHNICAL REPORT FOR FILL BELOW THE BUILDING. EXTEND FILL AT LEAST FIVE FEET BEYOND THE BUILDING PERIMETER ON ALL SIDES. REFER TO THE GEOTECHNICAL REPORT FOR THE DEPTH OF THE STRUCTURAL FILL MATERIAL AND COMPACTION REQUIREMENTS.
8. MAINTAIN SUBGRADE AND FILL MOISTURE CONTENT UNTIL FOUNDATIONS ARE PLACED.
9. DO NOT PLACE GRADE BEAMS, WALLS, FOOTINGS OR SLABS AGAINST SUBGRADE CONTAINING FREE WATER, FROST, OR ICE.
10. MAINTAIN PROPER SITE DRAINAGE DURING CONSTRUCTION TO ENSURE SURFACE RUNOFF AWAY FROM STRUCTURES AND TO PREVENT PONDING OF SURFACE RUNOFF NEAR THE STRUCTURES.
11. KEEP OPEN EXCAVATIONS AROUND BUILDING DRY. BACKFILL AGAINST FOUNDATIONS AND GRADE BEAMS AS SOON AS PRACTICAL. PUMP WATER OUT OF OPEN EXCAVATIONS IF FLOODING OCCURS PRIOR TO BACKFILLING.
12. PROTECT PIPES AND CONDUITS RUNNING THRU WALLS AND SLABS WITH 1/2 INCH EXPANSION MATERIAL. LOWER CONTINUOUS FOOTINGS AND GRADE BEAMS PERPENDICULAR TO PIPE RUNS, TO ALLOW PIPES TO PASS ABOVE THE FOOTINGS OR THOUGH THE GRADE BEAMS. ALTERNATIVELY, PROVIDE A CONCRETE JACKET IF PIPES ARE LOW ENOUGH TO BE PLACED BELOW THE FOOTINGS AND GRADE BEAMS. LOWER FOOTINGS AND GRADE BEAMS PARALLEL TO PIPE RUNS TO AVOID SURCHARGE ONTO ADJACENT TRENCH EXCAVATIONS.
13. PLACE FOUNDATIONS WITHIN 8 HOURS AFTER EXCAVATION. DO NOT LEAVE EXCAVATION OPEN OVERNIGHT.
14. AVOID DAMAGING EXISTING UNDERGROUND UTILITIES SUCH AS WATER MAINS, SANITARY SEWERS, BURIED CABLES, ETC., WHICH MIGHT EXTEND ACROSS OR ADJOING THE SITE.
15. REFER TO CIVIL DRAWINGS FOR LIMITS OF EXCAVATIONS.

CONCRETE NOTES

1. PROVIDE CONCRETE AS SHOWN BELOW. PROVIDE BATCH MIXING, TRANSPORTATION, PLACING AND CURING OF CONCRETE IN ACCORDANCE WITH RECOMMENDATIONS OF ACI 301, ACI 318 AND ASTM C94. USE TYPE I PORTLAND CEMENT UNLESS OTHERWISE NOTED. PROVIDE ADMIXTURES AND SPECIAL REQUIREMENTS AS SPECIFIED.
   A. NORMAL WEIGHT (150 PCF), F'c = 3,000 PSI CONCRETE AT 28 DAYS
      a. SLAB-ON-GRADE, GRADE BEAMS, FOOTINGS
      b. ALL CONCRETE NOT SPECIFICALLY COVERED
2. REFER TO THE SPECIFICATIONS FOR MAXIMUM WATER/CEMENT RATIOS, MINIMUM CEMENT CONTENTS AND OTHER MIX DESIGN REQUIREMENTS. PROVIDE CONCRETE MIXES DESIGNED BY A QUALIFIED TESTING LABORATORY FOR REVIEW AND APPROVAL BY THE STRUCTURAL ENGINEER.
3. PROVIDE CONSTRUCTION AND CONTROL JOINTS AS INDICATED ON THE DRAWINGS. HORIZONTAL CONSTRUCTION JOINTS ARE NOT ALLOWED UNLESS SPECIFICALLY NOTED OR APPROVED BY THE STRUCTURAL ENGINEER. NOTIFY THE STRUCTURAL ENGINEER OF PROPOSED CONSTRUCTION JOINT OR CONTROL JOINT LOCATIONS WHICH ARE DIFFERENT OR IN ADDITION TO JOINTS INDICATED ON THE DRAWINGS. PROVIDE 6,000-SQUARE FOOT MAXIMUM AREA OF CONCRETE PLACEMENT IN THE SLAB BETWEEN CONSTRUCTION JOINTS. PROVIDE 75-FOOT MAXIMUM SPACING OF CONSTRUCTION JOINTS IN GRADE BEAMS. PROVIDE GRADE BEAM CONSTRUCTION JOINTS IN MIDDLE 1/3 OF THE SPAN. WHEN A BEAM INTERSECTS A GIRDER WITHIN THE MIDDLE 1/3 OF THE GIRDER'S SPAN, OFFSET THE JOINT IN THE GIRDER A DISTANCE EQUAL TO TWICE THE WIDTH OF THE BEAM.
4. WHERE DOWELS ARE SHOWN ON THE DRAWINGS, BUT NOT SIZED, PROVIDE DOWELS THAT MATCH SIZE AND LCOATION OF MAIN REINFORCING STEEL AND LAP SPLICE WITH THE MAIN REINFORCING STEEL. REINFORCING BARS SHALL BE SPLICED AS NOTED IN THE REINFORCING LAP SCHEDULE.
5. CHAMFER EXPOSED EDGES 3/4 INCH UNLESS OTHERWISE NOTED.
6. WIRE BRUSH AND CLEAN CONSTRUCTION JOINTS PRIOR TO POURING NEW CONCRETE.
7. REFERENCE THE APPROPRIATE DISCIPLINE'S DRAWINGS FOR SUB SLAB PIPING, FLOOR DRAINS, AND SLAB AND WALL PENETRATIONS.
8. PROVIDE ADEQUATE STRUCTURAL FRAMING AS APPROVED BY THE STRUCTURAL ENGINEER FOR MECHANICAL OPENINGS THROUGH THE SLABS, WALLS, AND FLOOR DECK. OPENINGS ARE NOT PERMITTED THROUGH BEAMS UNLESS SPECIFICALLY DETAILED.
9. FOR PIPE INSTALLED HORIZONTALLY WITHIN SLABS, UNLESS SPECIFICALLY INDICATED IN THE STRUCTURAL DRAWINGS OR APPROVED BY THE STRUCTURAL ENGINEER. FOR PIPES INSTALLED HORIZONTALLY WITHIN THE SLAB, PROVIDE MAXIMUM OUTSIDE DIAMETER OF 30 PERCENT OF THE SLAB THICKNESS. PLACE CONDUIT OR PIPE BETWEEN THE TOP AND BOTTOM LAYERS OF REINFORCEMENT WITHIN THE CENTER THIRD OF THE SLAB. DO NOT SPACE CONDUITS OR PIPES CLOSER THAN 3 DIAMETERS OR WIDTHS ON CENTER.

REINFORCING STEEL NOTES

1. PROVIDE DETAILING, FABRICATION, AND INSTALLATION OF REINFORCING AND ACCESSORIES IN ACCORDANCE WITH ACI 315 AND ACI 318.
2. COORDINATE PLACEMENT OF CAST-IN-PLACE EMBEDS AND ANCHOR RODS. SET ANCHOR RODS WITH A TEMPLATE. SECURELY ATTACH EMBED ITEMS TO FORMWORK OR REINFORCING.
3. PROVIDE CLASS "B" REINFORCEMENT SPLICES FOR CONTINUOUS REINFORCEMENT. PROVIDE STANDARD 90-DEGREE HOOKS IN ACCORDANCE WITH ACI 318, UNLESS OTHERWISE NOTED. STAGGER SPLICES UNLESS SPECIFICALLY NOTED.
4. MAINTAIN THE FOLLOWING CONCRETE COVERAGE FOR REINFORCING STEEL UNLESS OTHERWISE NOTED:
   A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH - 3 INCHES
   B. CONCRETE EXPOSED TO WEATHER
      a. NO. 6 AND LARGER - 2 INCHES
      b. NO. 5 AND SMALLER - 1-1/2 INCHES
   C. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND
      a. SLABS AND WALLS
         - NO. 14 AND NO. 18 - 1-1/2 INCHES
         - NO. 11 AND SMALLER - 3/4 INCH
      b. BEAM STIRRUPS - 1-1/2 INCHES
5. DO NOT WELD OR BEND REINFORCEMENT IN THE FIELD UNLESS SPECIFICALLY SHOWN OR APPROVED BY STRUCTURAL ENGINEER.
6. WHEN SPECIFICALLY APPROVED, PROVIDE WELDED REINFORCEMENT IN ACCORDANCE WITH ASTM A706. USE LOW HYDROGEN ELECTRODES FOR WELDING OF REINFORCEMENT IN CONFORMANCE WITH "WELDING REINFORCEMENT STEEL, METAL INSERTS AND CONNECTIONS IN REINFORCED CONCRETE CONSTRUCTION", AMERICAN WELDING SOCIETY, AWS D1.4.
7. PROVIDE CONTINUOUS HORIZONTAL WALL REINFORCEMENT WITH 90-DEGREE BENDS AND EXTENSIONS AT CORNERS AND INTERSECTIONS AS SHOWN ON TYPICAL BAR PLACING DETAILS.
8. PROVIDE BAR SUPPORT ACCESSORIES IN ACCORDANCE WITH THE LATEST ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES. SUPPORT BEAM REINFORCING ON BEAM BOLSTERS SPACED NOT MORE THAN 4 FEET ON CENTER.
9. PROVIDE BAR SUPPORTS WITH PLASTIC COATED LEGS OR HOT DIP GALVANIZING AFTER FABRICATION FOR CONCRETE EXPOSED TO VIEW. PROVIDE STAINLESS STEEL BAR SUPPORTS FOR CONCRETE TO RECEIVE A SANDBLAST FINISH.

POST-INSTALLED ANCHOR NOTES

1. ANCHORS INSTALLED IN HARDENED CONCRETE TO BE USED ONLY WHERE SPECIFIED ON THE CONSTRUCTION DOCUMENTS. CONTRACTOR SHALL OBTAIN APPROVAL FROM THE A/E PRIOR TO INSTALLING POST-INSTALLED ANCHORS IN PLACE OF MISSING OR MISPLACED CAST-IN-PLACE ANCHORS. PLACE POST-INSTALLED ANCHORS SUCH THAT THEY AVOID CONFLICTING WITH EXISTING REBAR. WHERE INDICATED, PROVIDE THE FOLLOWING POST-INSTALLED ANCHOR:
   A. EPOXY ADHESIVE ANCHORS: HILTI HIT HY-200 FOR ANCHORAGE TO CONCRETE
      a. ALLOWABLE ANCHOR SUBSTITUTIONS SHALL BE SUBMITTED TO THE A/E WITH INFORMATION DEMONSTRATING THAT THE ANCHOR SUBSTITUTION PROVIDES EQUAL OR GREATER PERFORMANCE VALUES.
2. INSTALL ANCHORS IN ACCORDANCE WITH THE CURRENT ICBO REPORT FOR THE ANCHORS AND THE MANUFACTURER'S RECOMMENDATIONS. ALL ANCHORS SHALL BE INSTALLED BY A MANUFACTURER CERTIFIED INSTALLER.
3. INSTALL ANCHORS PERPENDICULAR TO THE FACE OF THE CONCRETE. DEVIATION FROM PERPENDICULAR GREATER THAN 10 DEGREES IS UNACCEPTABLE.
4. CREATE A TEMPLATE AT EACH ANCHOR CONNECTION LOCATION PRIOR TO FABRICATING HOLES IN CONNECTION PLATES. MAKE TEMPLATE BY LOCATING EXISTING REBAR WITH THE HELP OF A PACHOMETER. REPOSITION ANCHORS A MAXIMUM OF 1 1/2 INCHES AS REQUIRED TO AVOID CONFLICTS WITH EXISTING REINFORCEMENT.
5. FILL ALL ABANDONED HOLES WITH EPOXY GROUT.
6. PROVIDE HOLES IN CONNECTION PLATES NO MORE THAN 1/16 OF AN INCH LARGER THAN THE ANCHOR DIAMETER. IF LARGER HOLES ARE NEEDED FOR ERECTION PURPOSES, PROVIDE PLATE WASHERS WELDED TO THE CONNECTION PLATE TO TRANSFER THE BOLT LOAD.
7. CLEAN DRILLED HOLES FREE OF DEBRIS/DUST AND INSPECT PRIOR TO APPLYING EPOXY AND INSTALLING ANCHORS.

STRUCTURAL STEEL NOTES

1. PROVIDE STRUCTURAL STEEL OF THE FOLLOWING ASTM DESIGNATIONS UNLESS OTHERWISE NOTED:
   A. STRUCTURAL STEEL STANDARD SHAPES, CHANNELS AND ANGLES - ASTM A 36
   B. EDGE ANGLES, BENT PLATES, HANGER AND BRACES - ASTM A 36
   C. STRUCTURAL PIPE - ASTM A 53, GRADE B
   D. BASE PLATES AND MISCELLANEOUS STEEL PLATES - ASTM A 36
   E. ANCHOR RODS - ASTM F1554, GRADE 36
   F. HEAVY HEX NUTS - ASTM A 563
2. PROVIDE BOLTS, NUTS AND WASHERS THAT ARE HOT DIP GALVANIZED ACCORDING TO ASTM A 153, CLASS C WHEN USED TO CONNECT STEEL ELEMENTS THAT ARE HOT DIP GALVANIZED AFTER FABRICATION.
3. CONFORM TO THE AISC CODE OF STANDARD PRACTICE, FOR ERECTION TOLERANCES. FIELD MODIFICATION TO STRUCTURAL STEEL IS PROHIBITED WITHOUT PRIOR APPROVAL BY THE A/E.
4. CLEAN STEEL OF RUST, LOOSE MILL SCALE AND OTHER FOREIGN MATERIALS WHERE REQUIRED FOR FABRICATION, FITTING UP, OR WELDING.
5. DO NOT CUT STRUCTURAL STEEL MEMBERS FOR THE WORK OF OTHER TRADES WITHOUT PRIOR REVIEW AND APPROVAL OF THE OWNER.
6. AFTER FABRICATION, HOT DIP GALVANIZE STRUCTURAL STEEL AND THEIR CONNECTIONS PERMANENTLY EXPOSED TO THE OUTSIDE. SUCH ITEMS INCLUDE BUT ARE NOT LIMITED TO:
   A. SHELF ANGLES
   B. ALL OTHER STEEL MEMBERS EXPOSED TO WEATHER
7. EXAMINE THE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR OTHER ITEMS THAT REQUIRE HOT DIPPED GALVANIZATION.
8. PROVIDE NON-SHRINK/NON-METALLIC GROUT FOR BASE PLATES WITH MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 5000 PSI.

WOOD FRAMING NOTES

1. WOOD FRAMING SHALL MEET THE FOLLOWING MINIMUM STRESS PROPERTIES UNLESS NOTED OTHERWISE:

	MEMBER SIZE	BENDING F_b (PSI)	TENSION PARALLEL TO GRAIN F_t (PSI)	SHEAR PARALLEL TO GRAIN F_v (PSI)	COMPRESSION PERPENDICULAR TO GRAIN $F_{c\perp}$ (PSI)	COMPRESSION PARALLEL TO GRAIN F_c (PSI)	ELASTIC MODULUS E (PSI)
SOUTHERN PINE #2 OR BETTER	2x6	1,000	600	175	565	1,400	1,400,000
	2x10	800	475	175	565	1,300	1,400,000
	2x12	750	450	175	565	1,250	1,400,000
LVL BEAM	1.75X12	3,100	2,150	285	750	3000	2,000,000
PSL COLUMN	5.25x5.25	4,435	3,245	355	775	3,990	1,800,000

2. PROVIDE SIMPSON STRONG-TIE CONNECTORS OR EQUIVALENT FOR WOOD FRAMING CONNECTIONS TO SUPPORTING MEMBERS. USE STRONG-TIE CONNECTORS AND NAILS OF APPROPRIATE SIZE AND CAPACITY FOR THE SUPPORTED MEMBER AND INSTALL ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
3. ALL ROOF AND EXTERIOR WALL SHEATHING SHALL BE APA RATED CDX PLYWOOD WITH EXTERIOR GLUE (EXPOSURE 1) OR ORIENTED STRAND BOARD (OSB) WITH EXTERIOR GLUE (EXPOSURE 1), AND SHALL BEAR THE STAMP OF AN APPROVED TESTING AGENCY.
4. INSTALL ROOF SHEATHING WITH THE LONG DIMENSION OF THE PANEL PERPENDICULAR TO SUPPORTS UNLESS NOTED OTHERWISE, AND WITH PANEL CONTIUOUS OVER TWO OR MORE SPANS. STAGGER END JOINTS.
5. ALL ROOF SHEATHING SHALL BE APA RATED EXPOSURE 1 CDX PLYWOOD SHEATHING WITH A MINIMUM THICKNESS OF 5/8 INCH, DOC PS-1 OR PS-2, WITH A SPAN RATING OF AT LEAST 32/16 NAILED WITH 10d GALVANIZED COMMON NAILS AT 4 INCHES ON CENTER AT PANEL EDGES AND 12 INCHES ON CENTER AT INTERMEDIATE SUPPORTS, RE: B1/S5.2. 10d NAILS SHALL HAVE A MINIMUM 0.148 INCH DIAMETER AND 1 1/2 INCHMINIMUM PENETRATION INTO SUPPORTING FRAMING.
6. OUTSIDE OF EXTERIOR WALLS SHALL BE SHEATHED WITH APA RATED EXPOSURE 1 OSB OR CDX PLYWOOD SHEATHING WITH A MINIMUM THICKNESS OF 5/8 INCH, DOC PS-1 OR PS-2. REFER TO S4.1 FOR FASTENING REQUIREMENTS OF SHEAR WALLS IDENTIFIED ON S1.1. WALLS NOT IDENTIFIED AS SHEAR WALLS SHALL BE FASTENED TO WALL STUDS WITH 10d GALVANIZED COMMON NAILS AT 6 INCHES ON CENTER AT EDGES AND 12 INCHES ON CENTER AT INTERMEDIATE SUPPORTS. PROVIDE BLOCKING AT UNSUPPORTED PANEL EDGES. 10d NAILS SHALL HAVE A MINIMUM OF 0.148 INCH DIAMETER AND 1 1/2 INCH MINIMUM PENETRATION INTO SUPPORTING FRAMING.
7. INSTALL JOISTS, RAFTERS, HEADERS AND BEAMS "CROWN UP."
8. ALL JOISTS SHALL HAVE DIAGONAL BRIDGING OR FULL DEPTH BLOCKING AT 8 FEET ON CENTER MAXIMUM ALONG THE SPAN AND AT SUPPORTING BEAMS OR WALLS.
9. CUTTING, BORING OR NOTCHING OF FRAMING MEMBERS, IF REQUIRED, SHALL CONFORM TO THE LIMITATIONS PRESCRIBED BY THE IBC AND MAY BE DISALLOWED FOR SOME FRAMING MEMBERS BY THE A/E.
10. ALL WOOD IN CONTACT WITH CONCRETE AND EXTERIOR MASONRY SHALL BE PRESSURE TREATED.
11. REFER TO THE IBC FOR MINIMUM FASTENING CRITERIA. ALL NAILS TO BE COMMON WIRE SIZE. NAILING SHALL COMPLY WITH REQUIREMENTS OF NAILING SCHEDULE UNLESS NOTED OTHERWISE.
12. MOISTURE CONTENT OF ALL WOOD MEMBERS SHALL NOT EXCEED 19%.

PRE-ENGINEERED TRUSS NOTES

1. ALL TRUSSES CALLED OUT IN THE DRAWINGS SHALL BE PRE-ENGINEERED, MANUFACTURED TRUSSES. TRUSSES SHALL CONFORM TO THE SPACING, DIMENSIONS AND LAYOUTS CALLED OUT IN THESE NOTES AND ON THE PLANS AND SHALL BE DESIGNED FOR SPECIFIED LOADINGS.
2. MAXIMUM LIVE LOAD DEFLECTION FOR TRUSSES NOT TO EXCEED L/360. MAXIMUM TOTAL LOAD DEFLECTION NOT TO EXCEED L/240, WHICHEVER IS GREATER.
3. TRUSSES AND CONNECTOR PLATES SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST REVISION OF THE TRUSS PLATE INSTITUDE SPECIFICATIONS. TRUSS MANUFACTURER SHALL DESIGN THE TRUSS TO WALL CONNECTIONS, U.N.O. ON THE DETAILS. PROVIDE FRAMING ANCHORS AND/OR TRUSS HANGERS AS REQUIRED AND AS SHOWN ON THE DRAWINGS.
4. PROVIDE TRUSS SHOP DRAWINGS, INSTALLATION DRAWINGS, AND CALCULATIONS PREPARED BY THE TRUSS MANUFACTURER IN ACCORDANCE WITH ALL APPLICABLE CODES, ORDINANCES, ETC.
5. CONTINUOUSLY BRACE AND SUPPORT TRUSSES DURING UNLOADING TO PREVENT EXCESSIVE STRESS ON THE JOINTS. DO NOT PERMIT TRUSSES TO DROP, SAG, OR BE SUPPORTED IN A DIRECTION PERPENDICULAR TO THE TRUSS PLANE. INSTALL TRUSSES IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS, INCLUDING PROPER HANDLING, SAFETY PRECAUTIONS, TEMPORARY BRACING DURING ERECTION AND ALL OTHER SAFEGUARDS.
6. INSTALL ALL PERMANENT CHORD BRACING REQUIRED BY TRUSS SHOP DRAWINGS (TYPICALLY 3 ROWS OF 2x4 - FULL LENGTH OF BUILDING).
7. INSPECT ALL TRUSSES AFTER INSTALLATION FOR DAMAGE. NOTIFY A/E IMMEDIATELY OF DAMAGED TRUSSES. REMOVE AND REPLACE ALL DAMAGED TRUSSES.
8. TRUSSES ARE A DEFERRED SUBMITTAL ITEM AND CONTRACTOR IS REQUIRED TO COMPLETE THE FOLLOWING:
   A. FIRST, THE TRUSS PLANS AND CALCULATIONS, SIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE WHERE THE PROJECT IS LOCATED, SHALL BE SUBMITTED TO THE A/E FOR REVIEW BEFORE SUBMITTING TO THE BUILDING DEPARTMENT. SECOND, THE SHOP DRAWINGS SHALL BE SUBMITTED WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED BY THE A/E AND HAVE BEEN FOUND TO BE IN GENERAL CONFORMANCE TO THE BUILDING DESIGN. THE TRUSS DESIGN SHALL BE APPROVED BY THE BUILDING DEPARTMENT BEFORE THE TRUSSES ARE FABRICATED. GENERAL CONTRACTOR SHOULD PLAN FOR REVIEW TIME BY BOTH THE A/E AND BUILDING OFFICIAL IN THE CONSTRUCTION SCHEDULE.

METAL STUD FRAMING NOTES

1. METAL STUDS USED AT THE COOK LINE WALL SHALL HAVE A YIELD STRENGTH OF 33KSI.
2. STUD SIZE, GAUGE, AND CONNECTION SHALL BE PER DETAILS.
3. TRACK SIZE, GAUGE, AND CONNECTION SHALL BE PER DETAILS.

BRICK TIE NOTES

1. MASONRY (BRICK) VENEER SHALL BE ATTACHED WITH ADJUSTABLE WIRE TIES SPACED AT 16" O.C. VERTICALLY AND 16" O.C. HORIZONTALLY. ADDITIONAL TIES ALONG ALL OPENINGS GREATER THAN 16" ARE REQUIRED TO BE LOCATED WITHIN 12" OF OPENING AND SPACED AT 32" O.C. MAX. AROUND OPENING PERIMETER.
2. BRICK TIES SHALL BE MANUFACTURED BY HOHMANN & BARNARD, INC MODEL NUMBER HB-213 OR APPROVED EQUAL.

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Project Name PT22M
240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number
122.0088.470

Description
GENERAL NOTES

Scale
1 : 1

S0.2

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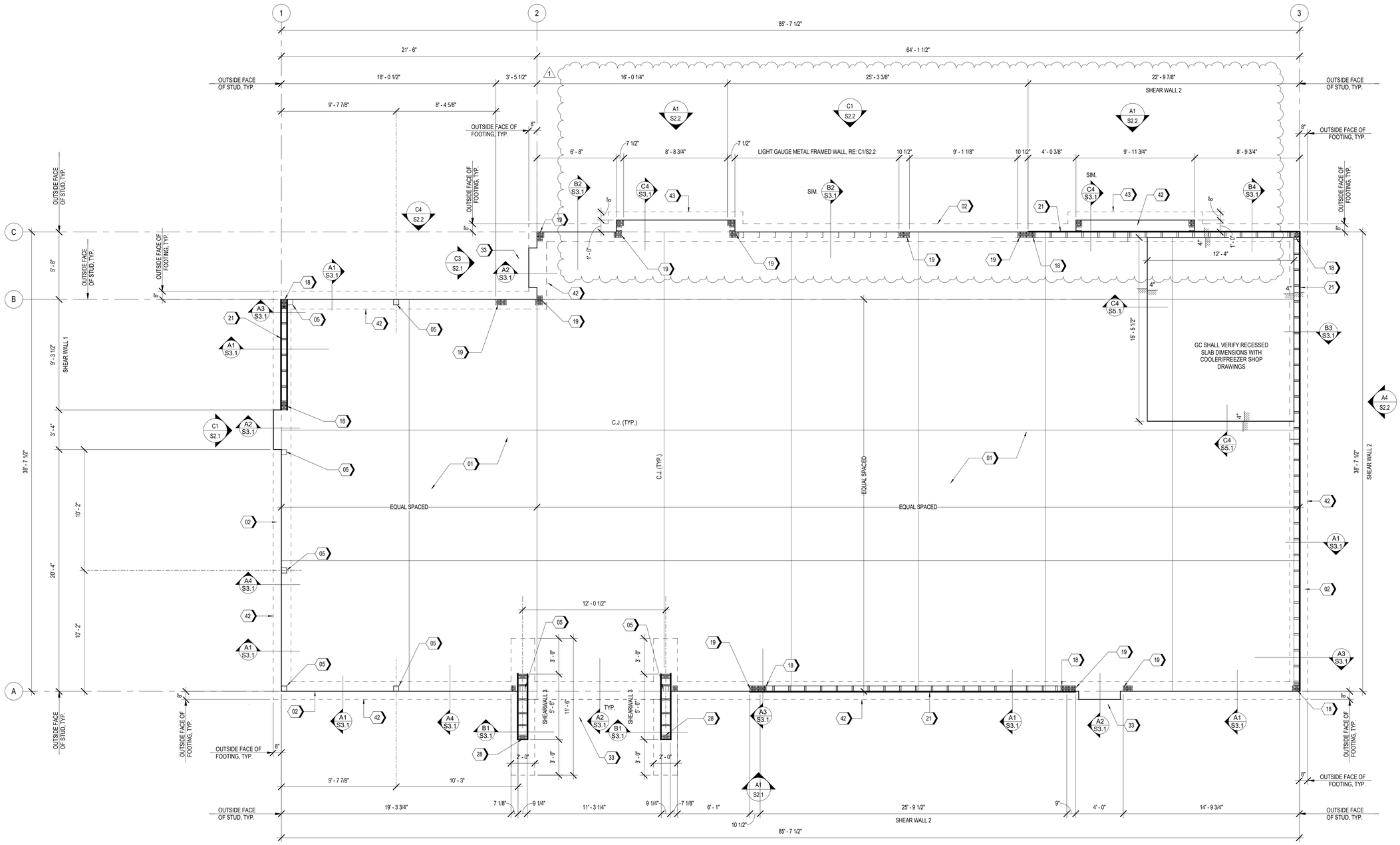
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PLAN NOTES

1. REFER TO SHEET S0.2 FOR GENERAL NOTES.
2. TOP OF STRUCTURAL SLAB ELEVATION CORRESPONDS TO ARCHITECTURAL FINISH FLOOR ELEVATION 100'-0"
3. C.J. INDICATES CONTROL JOINT. RE: A4/S5.1 FOR DETAILS.
4. PROVIDE 10 MIL POLYETHYLENE VAPOR BARRIOR IMMEDIATELY BELOW SLAB-ON-GRADE.
5. REFER TO THE GEOTECHNICAL REPORT FOR SUBGRADE PREPARATION.
6. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS AND SIZES OF ALL WALLS AND WALL OPENINGS.
7. COORDINATE ALL SLAB PENETRATIONS WITH ARCHITECTURAL AND MECHANICAL / ELECTRICAL / PLUMBING DRAWINGS.
8. AT CONDUIT PENETRATIONS AT GRADE BEAMS, PROVIDE ADDITIONAL (2) #5 REBAR 3" ABOVE AND BELOW CONDUIT.
9. RE: A3/S5.2 FOR NON-LOAD BEARING PARTITION WALL CONNECTION TO SLAB.
10. COORDINATE ALL EXTERIOR WALL STUD LOCATIONS WITH PRE-MANUFACTURED WOOD TRUSSES. A STUD IS REQUIRED TO BE LOCATE BELOW CENTERLINE OF EACH TRUSS U.N.O. ON ROOF FRAMING PLAN.
11. ALL EXTERIOR WALL STUDS ARE 2x6 STUDS SPACED AT 16" O.C. MAX., U.N.O. REFER TO ARCHITECTURAL DRAWINGS FOR INTERIOR WALL STUD SIZES AND SPACING.
12. REFER TO S4.1 FOR SHEAR WALL FRAMING DETAILS

KEYNOTES

01	4" CONCRETE SLAB ON GRADE REINFORCED WITH 4x4-W4.0xW4.0 PLACED AT MID-SLAB.
02	8" WIDE x4" TALL BRICK LEDGE, TYPICAL AROUND PERMETER. OMIT AT DOORS.
05	PSL 5 1/4x5 1/4 POST
18	SHEAR WALL END/CORNER STUD PACK, RE: A2/S4.1 AND A4/S5.2
19	HEADER SUPPORT STUDS, RE: C2/S5.2 FOR FRAMING DETAILS.
21	WOOD SHEAR WALL, RE: A1/S4.1 SIMPSON HOLDOWN AT EACH END OF SHEAR WALL, RE: A2/S4.1
28	SW3 2x10 STUDS SPACED AT 16" OC. SHEATH EACH FACE OF FRAMING PER SHEAR WALL SCHEDULE.
33	RE: CIVIL FOR EXTERIOR STOOP.
42	CONTINUOUS GRADE BEAM AROUND PERIMETER OF BUILDING.
43	RE: CIVIL FOR DRIVE-THRU CURB ADJACENT TO BUILDING.



A1 FOUNDATION PLAN
1/4" = 1'-0"

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PROFESSIONAL ENGINEER
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Project Name PT22M
240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number
122.0088.470

Description
FOUNDATION PLAN

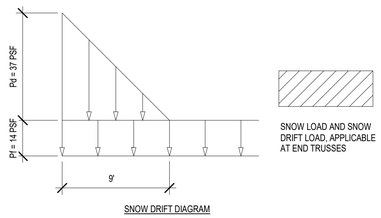
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S1.1

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PLAN NOTES

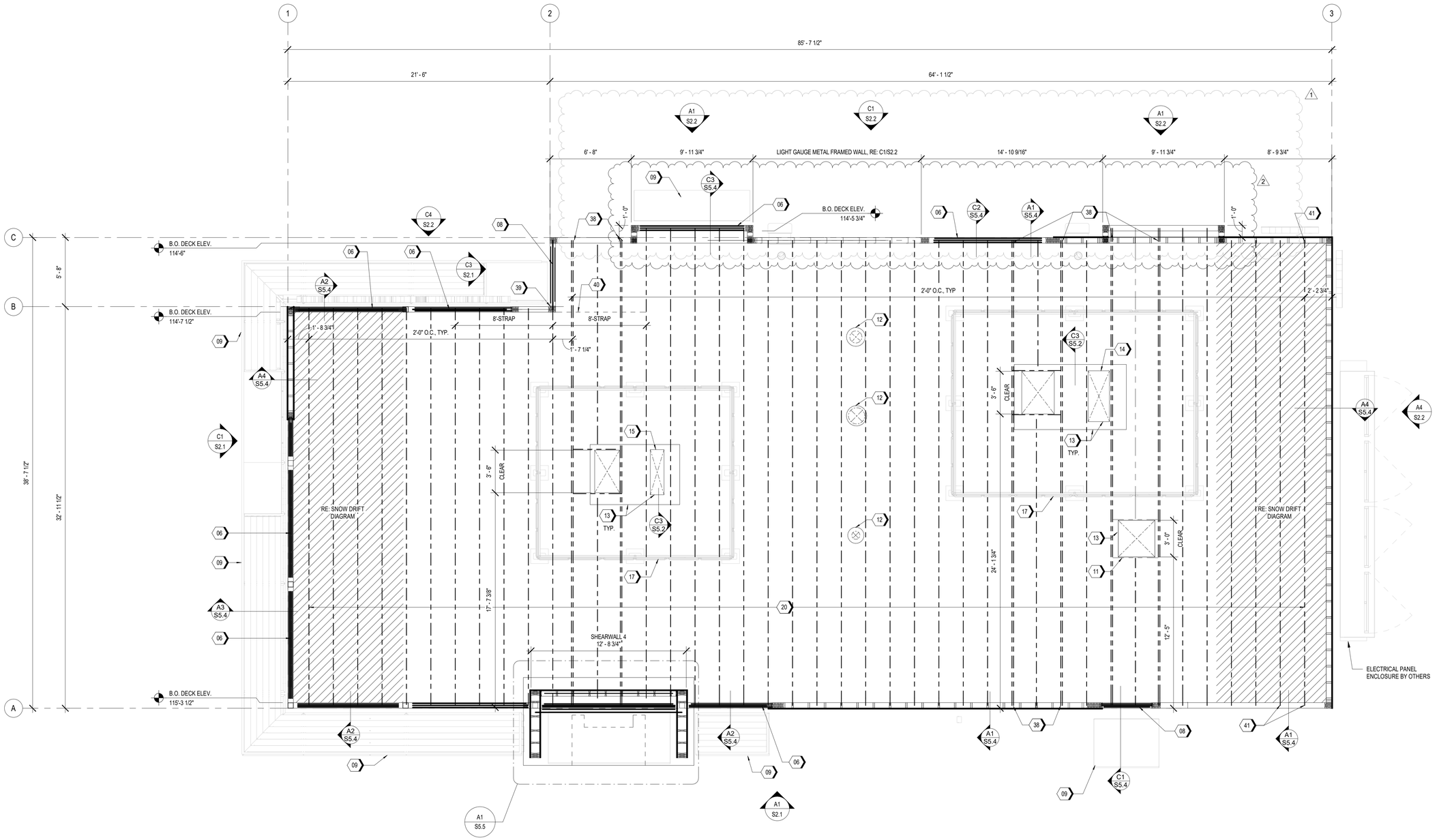
1. REFER TO SHEET S0.2 FOR GENERAL NOTES.
2. COORDINATE LOCATIONS OF ALL WALLS AND WALL OPENINGS WITH ARCHITECTURAL DRAWINGS.
3. REFER TO MECHANICAL DRAWINGS FOR RTU DETAILS. RTU WEIGHTS IN KEY NOTES 14 AND 15.
4. PROVIDE STUD PACK AT ALL BUILDING CORNERS. RE: A2/S4.1 AND A4/SS.2 FOR DETAILS.
5. ALL NAILING SHALL CONFORM TO IBC TABLE 2304.10.1, U.N.O.
6. RE: C1/SS.2 FOR TYPICAL TOP PLATE SPLICE DETAIL AT ALL EXTERIOR WALLS.
7. RE: B4 & B5/SS.2 FOR TYPICAL CUTTING, NOTCHING, AND BORING OF WOOD STUDS.
8. PROVIDE 2x SOLID BLOCKING IN WALLS AS REQUIRED FOR REINFORCEMENT OF ALL GRAB BARS, RESTROOM FIXTURES, PLUMBING LINES, WALL BUMPERS, ETC. SEE ARCHITECTURAL AND KITCHEN INTERIOR ELEVATIONS FOR EQUIPMENT HEIGHTS AND LOCATIONS. SEE ARCHITECTURAL BUILDING AND WALL SECTIONS FOR LOCATIONS FOR ADDITIONAL BLOCKING REQUIREMENTS.
9. PROVIDE 2x6 SOLID BLOCKING BETWEEN WALL STUDS AT SHEATHING JOINTS.
10. PRE-MANUFACTURED ROOF WOOD TRUSSES TO BE SPACED AT 2'-0" ON CENTER, U.N.O. RE: S5.6 FOR TRUSS DIAGRAMS AND LOADING CRITERIA. TRUSS SUPPLIER SHALL PROVIDE DOUBLE TRUSSES WHERE REQUIRED TO SUPPORT THE PROVIDED LOADING.
11. REFER TO GENERAL NOTES FOR ROOF DECKING AND NAILING PATTERN.



SNOW DRIFT DIAGRAM

KEYNOTES

06	HDR1, RE: C2/S5.2
08	HDR2, RE: C2/S5.2
09	EXTERIOR CANOPY AND ATTACHMENT TO BUILDING BY OTHERS
11	ROOF HATCH. RE: ARCH
12	EXHAUST FAN OPENING IN ROOF DECK. RE: MECH. FOR SIZE. SHIFT LOCATION ACCORDINGLY TO AVOID ROOF FRAMING.
13	PROVIDE DOUBLE 2x6 BLOCKING BETWEEN TRUSSES AT CURB BEARING LOCATIONS AND AROUND OPENINGS.
14	RTU 1. RE: MECH. MAX WEIGHT = 3,000 LBS.
15	RTU 2. RE: MECH. MAX WEIGHT = 3,000 LBS
17	ROOF TOP SCREENWALL AND ATTACHMENT TO CURB BY OTHERS.
20	30" DEEP PRE-MANUFACTURED WOOD ROOF TRUSS SPACED AT 24" O.C. U.N.O.. RE: TRUSS DIAGRAM ON S5.6 FOR DETAILS.
38	A LOAD BEARING DOUBLE STUD SHALL BE PROVIDED AT DOUBLE TRUSS LOCATIONS.
39	ATTACH TRUSS TO WALL WITH SIMPSON DSCSL-SDS3 DRAG STRUT CONNECTOR.
40	PROVIDE A SIMPSON CS14 CONTINUOUS TIE STRAP x 16'-0" CENTERED ON RE-ENTRANT CORNER. ATTACH WITH (24) 10d NAILS AT END TERMINATION AND INTERMEDIATE 10d NAILS AT EVERY 6" OVER ROOF SHEATHING AND ATTACH THROUGH TO THE 2X BLOCKING; INSTALL PER MANUF RECOMMENDATIONS. INSTALL BLOCKING BEWTEEN TOP CHORD OF TRUSSES FOR LENGTH SHOWN. ATTACH TO ROOF SHEATHING PER B1/SS.2
41	A LOAD BEARING STUD SHALL BE PROVIDED AT (2) END TRUSS LOCATIONS. INSTALL INTERMEDIATE STUDS BETWEEN LOAD BEARING STUDS.



A1 ROOF FRAMING PLAN
1/4" = 1'-0"

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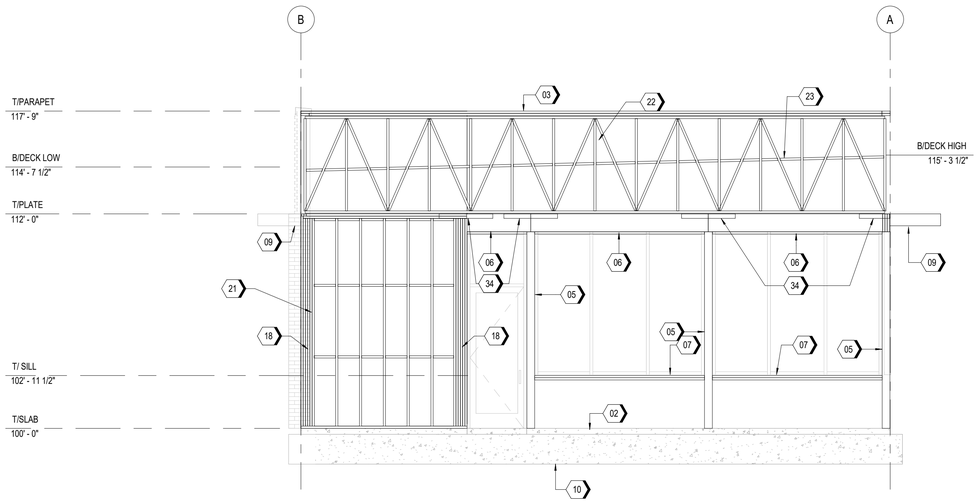
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ROOF FRAMING PLAN

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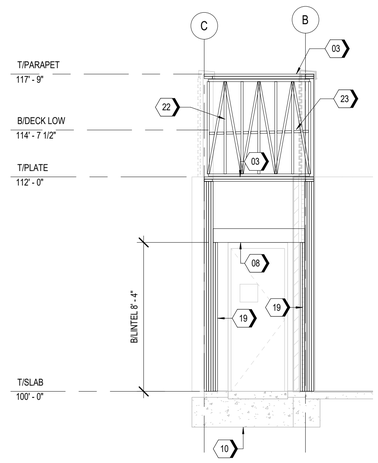
S1.2

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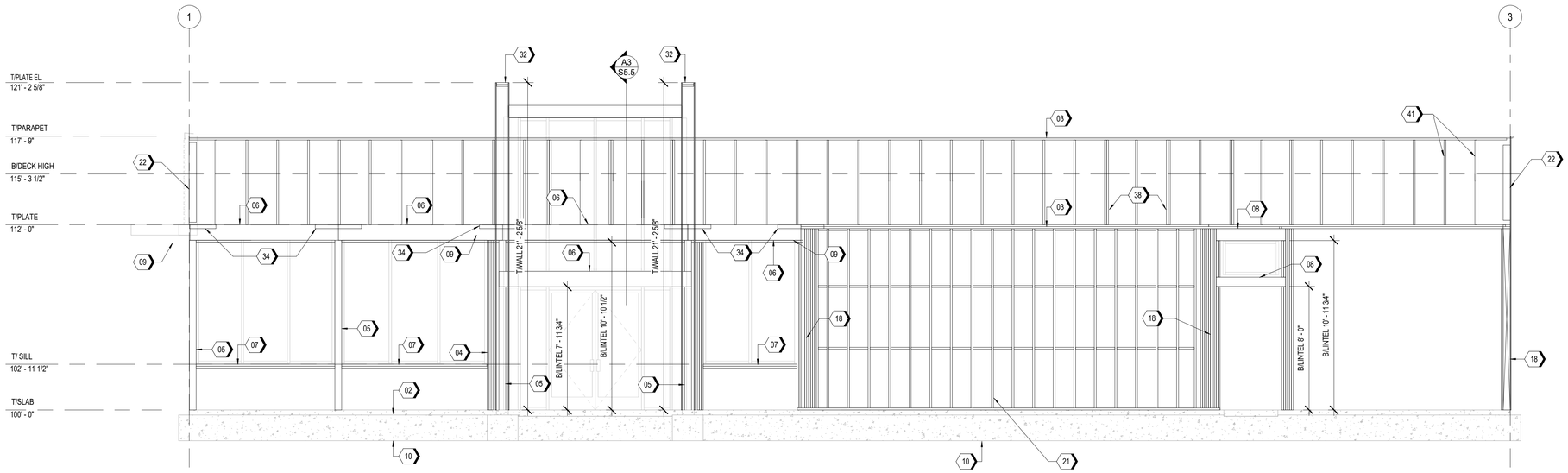
C1 PLAN WEST FRAMING ELEVATION

1/4" = 1'-0"



C3 PLAN WEST FRAMING ELEVATION - EXPEDITE DOOR

1/4" = 1'-0"



A1 PLAN SOUTH FRAMING ELEVATION

1/4" = 1'-0"

KEYNOTES

02	8" WIDE x4" TALL BRICK LEDGE, TYPICAL AROUND PERMETER. OMIT AT DOORS.
03	DOUBLE 2x6 TOP PLATE.
04	(3) 2x6 STUD PACK. RE: A5/S5.2 FOR NAILING DETAILS
05	PSL 5 1/4x5 1/4 POST
06	HDR1, RE: C2/S5.2
07	(2) 2x6 SILL. RE: B1/S5.3, ATTACHED TO JAMB EACH SIDE WITH SIMPSON A34 CLIP ANGLE EACH END.
08	HDR2, RE: C2/S5.2
09	EXTERIOR CANOPY AND ATTACHMENT TO BUILDING BY OTHERS
10	REFER FOUNDATION PLAN FOR DETAILS
18	SHEAR WALL END/CORNER STUD PACK, RE: A2/S4.1 AND A4/S5.2
19	HEADER SUPPORT STUDS, RE: C2/S5.2 FOR FRAMING DETAILS.
21	WOOD SHEAR WALL, RE: A1/S4.1 SIMPSON HOLDOWN AT EACH END OF SHEAR WALL, RE: A2/S4.1
22	2x6 END WALL TRUSS, SHALL BE DESIGNED FOR AN ALLOWABLE SHEAR LOAD OF 400 PLF.
23	2x6 BLOCKING INTEGRAL WITH END WALL TRUSS PROVIDED BY TRUSS MANUFACTURER, RE: A3/S5.4 AND C2/S5.6.
32	TOP OF SW3 SHEAR WALL EXTENDS TO TOP OF PARAPET AND ATTACHES TO DOUBLE 2x10 TOP PLATES.
34	SIMPSON STRAP AT DISCONTINUOUS TOP PLATE, RE: D1/S5.3 AND D2/S5.3
38	A LOAD BEARING DOUBLE STUD SHALL BE PROVIDED AT DOUBLE TRUSS LOCATIONS.
41	A LOAD BEARING STUD SHALL BE PROVIDED AT (2) END TRUSS LOCATIONS. INSTALL INTERMEDIATE STUDS BETWEEN LOAD BEARING STUDS.

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Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

FRAMING ELEVATIONS

Scale

1/4" = 1'-0"

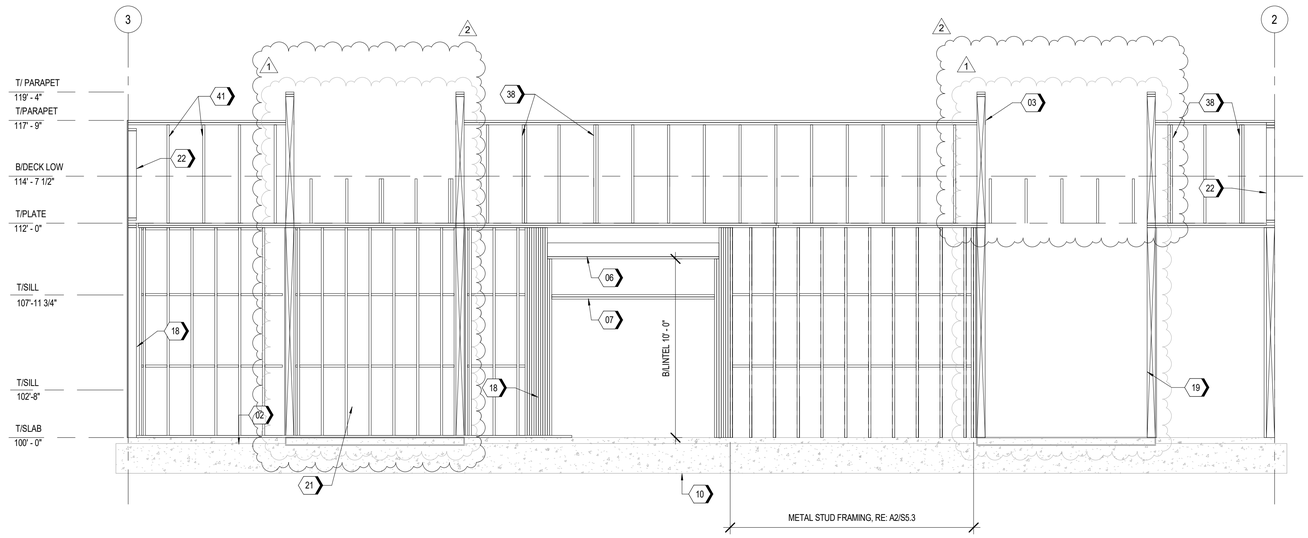
S2.1

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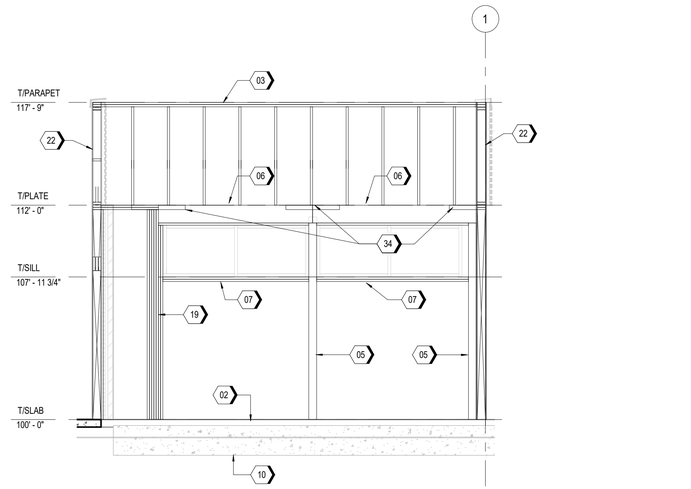
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KEYNOTES

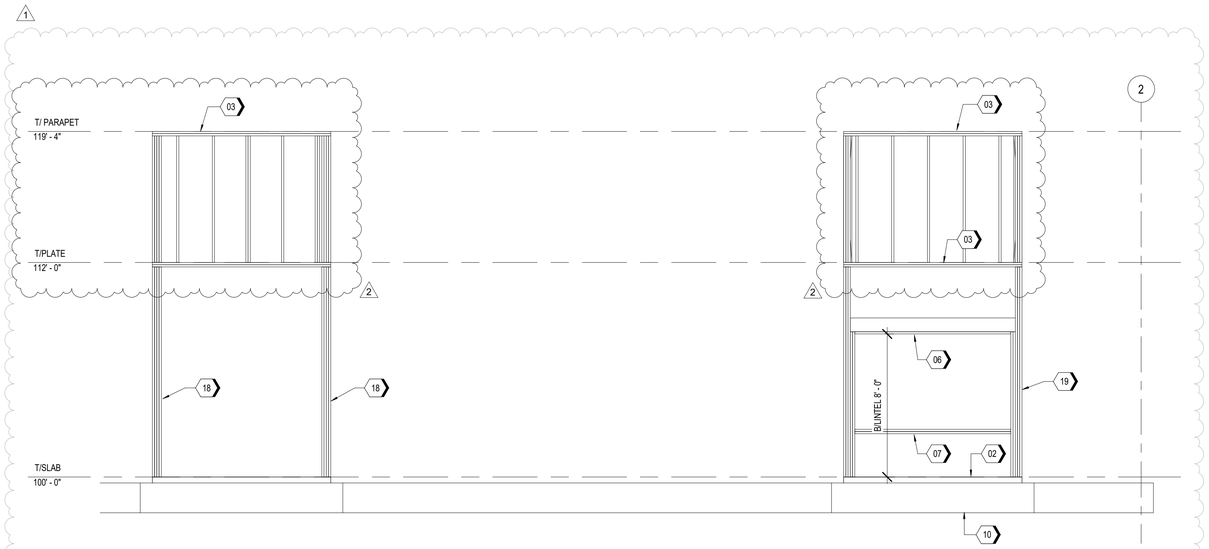
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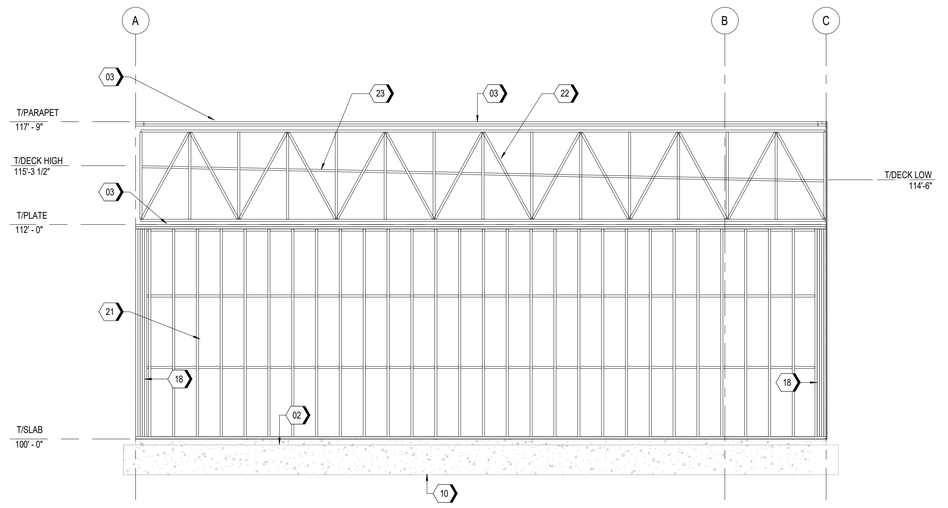
C1 PLAN NORTH FRAMING ELEVATION - DRIVE THRU WALL
1/4" = 1'-0"



C4 PLAN NORTH FRAMING ELEVATION
1/4" = 1'-0"



A1 PLAN NORTH FRAMING ELEVATION - DRIVE THRU BUMP OUTS
1/4" = 1'-0"



A4 PLAN EAST FRAMING ELEVATION
1/4" = 1'-0"

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CARRIE K. JOHNSON
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PE#2008003213
PROFESSIONAL ENGINEER
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Project Name PT22M
240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number
122.0088.470

Description
FRAMING ELEVATIONS

Scale
1/4" = 1'-0"

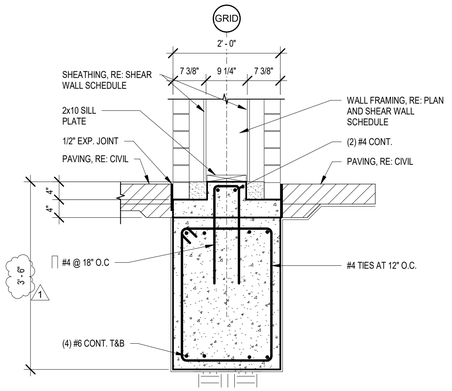
S2.2

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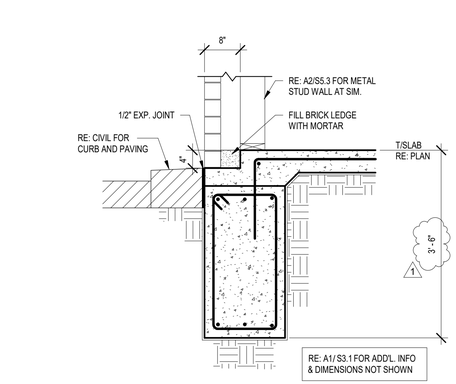
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STEEL REINF LAP SCHEDULE

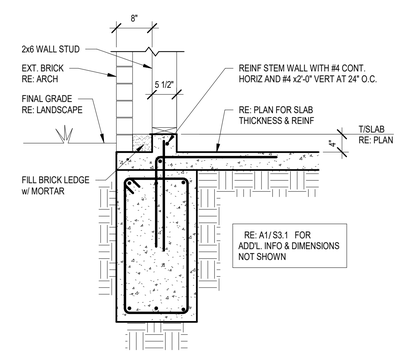
Bar Size	CONCRETE LAP SPLICE (CLASS B) (IN)									
	f'c = 3,000psi		f'c = 3,500psi		f'c = 4,000psi		f'c = 4,500psi		f'c = 5,000psi	
	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER
3	17	16	16	16	16	16	16	16	16	16
4	23	18	21	16	20	16	19	16	18	16
5	28	22	26	20	25	19	23	18	22	17
6	34	26	31	24	29	23	28	21	26	20
7	49	38	45	35	43	33	40	31	38	29
8	56	43	52	40	49	37	46	35	44	34



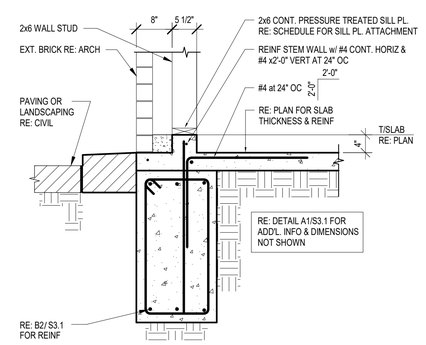
B1 SECTION
3/4" = 1'-0"



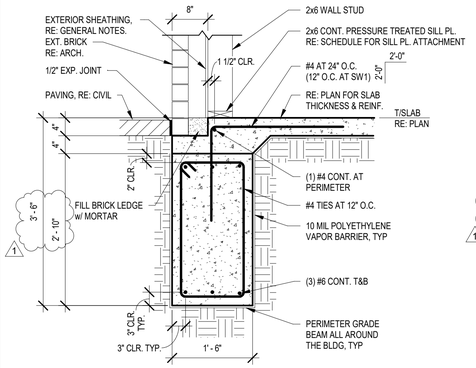
B2 SECTION
3/4" = 1'-0"



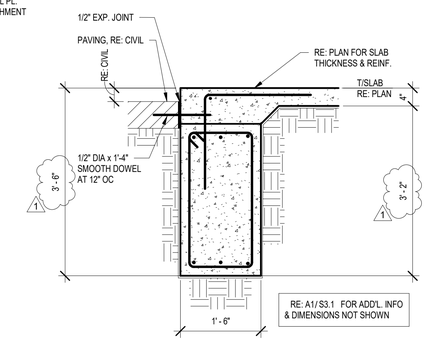
B3 SECTION
3/4" = 1'-0"



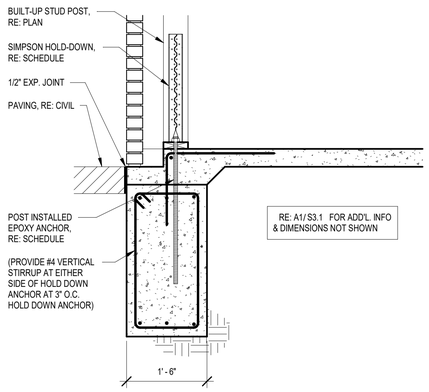
B4 SECTION
3/4" = 1'-0"



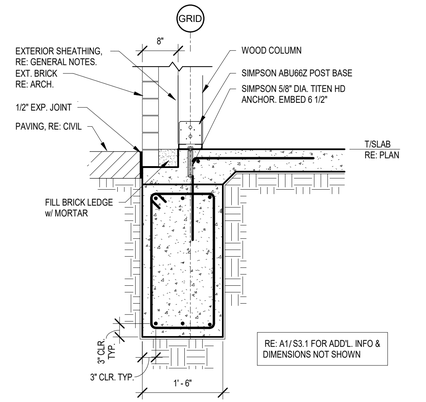
A1 SECTION
3/4" = 1'-0"



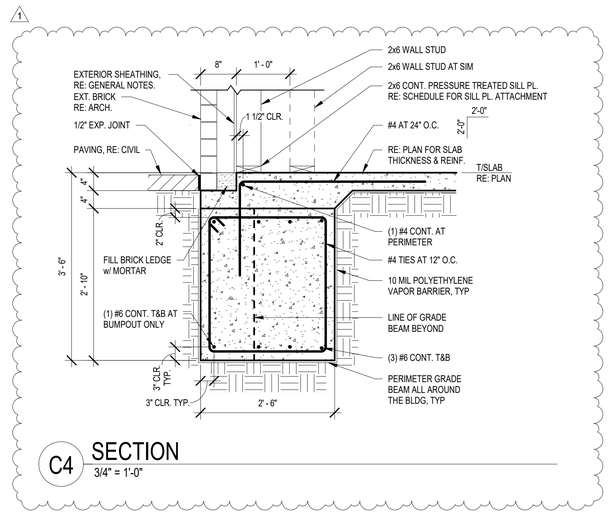
A2 SECTION
3/4" = 1'-0"



A3 SECTION AT SHEAR WALL HOLD DOWN
3/4" = 1'-0"



A4 SECTION
3/4" = 1'-0"



C4 SECTION
3/4" = 1'-0"

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CARISSE M. ADAMSON
NOTARY PUBLIC
Public Seal 20060033213

2023.03.17 13:21:11-05'00'

Seal / Signature

Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

FOUNDATION DETAILS

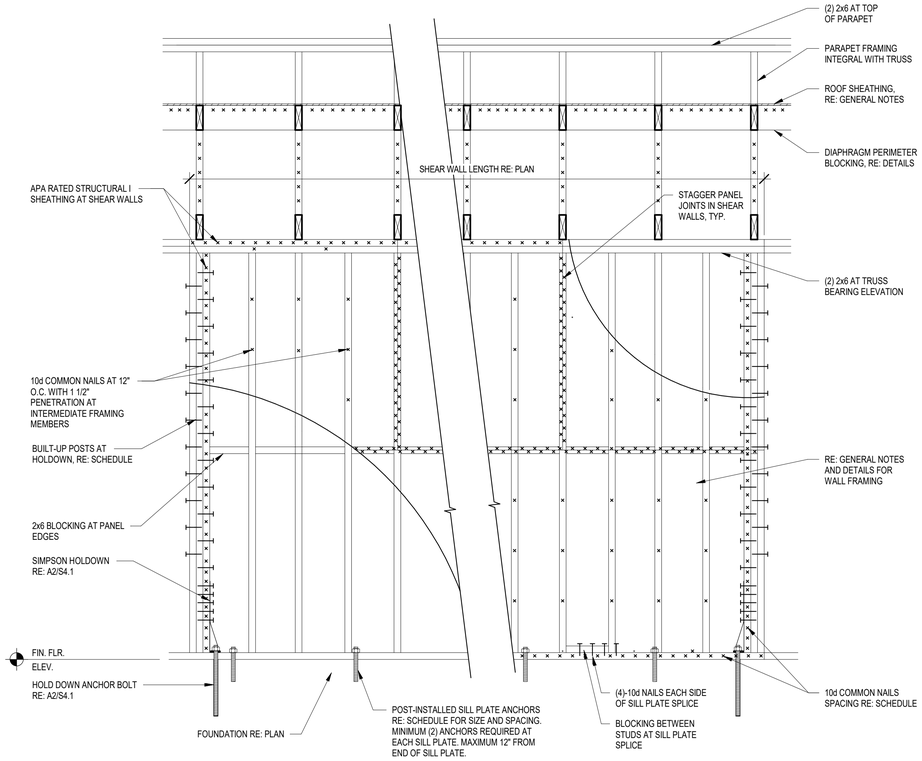
Scale

3/4" = 1'-0"

S3.1

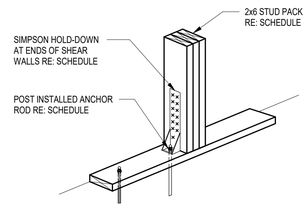
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A1 TYPICAL SHEAR WALL ELEVATION

3/4" = 1'-0"



A2 TYPICAL SHEAR WALL HOLDOWN

3/4" = 1'-0"

MARK	SHEATHING PANEL	NAILING		ANCHORS		
		AT PANEL EDGES AND BOUNDARIES	AT INTERMEDIATE FRAMING MEMBERS	SILL PLATE ATTACHMENT	HOLD-DOWN ANCHORS (RE: PLAN FOR LOCATIONS)	BUILT-UP END STUDS
SW1	5/8" WOOD STRUCTURAL PANEL BOTH SIDES	10d AT 2" O.C.	10d AT 12" O.C.	5/8" DIA. TITEN HD ANCHOR AT 6" O.C. WITH 4 1/2" EMBED	SIMPSON HD19 WITH 1 1/4" DIA. ANCHOR. EMBED 30". NOTE 6	(5) 2x6 NOTE 5
SW2	5/8" WOOD STRUCTURAL PANEL ONE SIDE	10d AT 6" O.C.	10d AT 12" O.C.	5/8" DIA. TITEN HD ANCHOR AT 24" O.C. WITH 4 1/2" EMBED	SIMPSON HDU8-SDS2.5 WITH 7/8" DIA. ANCHOR. EMBED 18". NOTE 6	(4) 2x6
SW3	5/8" WOOD STRUCTURAL PANEL BOTH SIDES	10d AT 6" O.C.	10d AT 12" O.C.	5/8" DIA. TITEN HD ANCHOR AT 12" O.C. WITH 4 1/2" EMBED	SIMPSON HDU8-SDS2.5 WITH 7/8" DIA. ANCHOR. EMBED 18". NOTE 6	(3) 2x10
SW4	5/8" WOOD STRUCTURAL PANEL ONE SIDE	10d AT 6" O.C.	10d AT 12" O.C.	5/8" DIA. THRU BOLTS AT 12" O.C.	NOT REQUIRED	NOT REQUIRED

NOTE:
1. RE: PLANS FOR ANCHOR BOLT AND HOLD-DOWN LOCATIONS
2. ALL SHEATHING SHALL BE APA RATED, EXPOSURE 1
3. RE: A5/S5.2 FOR BUILT-UP STUD ASSEMBLY
4. RE: PLAN FOR SW3 AND SW4 FOR STUD FRAMING REQUIREMENTS
5. SW1 SHALL HAVE (1) 2X6 EXTRA OUTER END STUD WITH RECESSED HOLES FOR HOLD DOWN BOLTS. ATTACH STUD TO BUILT UP END STUD PACK WITH TWO ROWS OF 16D COMMOM WIRE NAILS SPACED AT 6" O.C.
6. PROVIDE #4 VERTICAL STIRRUP AT EITHER SIDE OF HOLD DOWN ANCHOR AT 3" O.C. FROM HOLD DOWN ANCHOR

C3 SHEAR WALL SCHEDULE

3/4" = 1'-0"

ATTACHMENT ANCHOR TYPE	EMBEDMENT	LOCATION AND SPACING	
		EXTERIOR WALLS	INTERIOR NON LOAD BEAING WALLS
5/8" DIA. TITEN HD ANCHORS	0' - 4 1/2"	32" O.C.	N/A
0.177" DIA. POWDER ACTUATED FASTENERS	1 1/2"	N/A	16" O.C.

NOTE:
1. REFER TO SHEARWALL SCHEDULE RE: C3/ S4.1 FOR ANCHORAGE REQUIREMENTS AT ALL SHEAR WALLS.
2. RE: PLAN FOR ADDITIONAL NOTES AND REQUIREMENTS.
3. ALL HARDWARE IN CONTACT WITH ACQ TREATED LUMBER CLASS G185 MUST BE SIMPSON ZMAX PRODUCTS THAT MEET ASTM A653.
4. SILL PLATE ANCHORAGE IS APPLICABLE TO 2x FRAMING AND METAL TRACK.
5. MIN (2) ANCHORS REQUIRED PER SILL PLATE. MAX 1'-0" FROM THE SILL PLATE END

A3 SILL PLATE ANCHOR SCHEDULE AT NON-SHEAR WALLS

3/4" = 1'-0"

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Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

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Description

SW FRAMING DETAILS

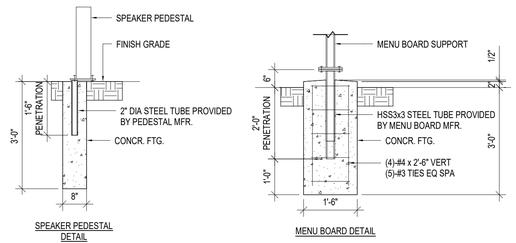
Scale

3/4" = 1'-0"

S4.1

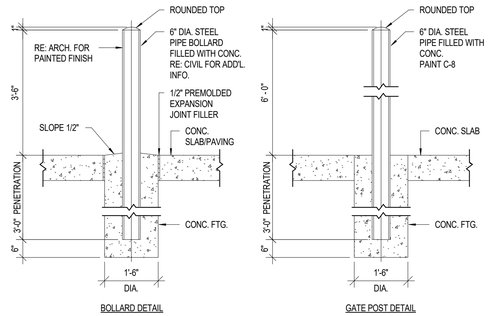
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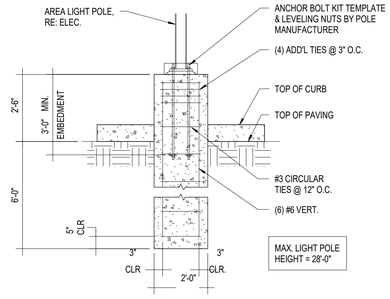
MENU BOARD & SPEAKER PEDESTAL FOUNDATION DETAILS

D1 — 1/2" = 1'-0"



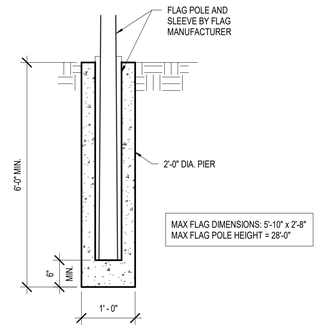
TYP. BOLLARD/GATE POST DETAIL

D3 — NTS



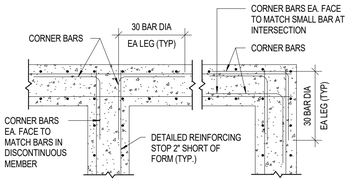
TYP. LIGHT POLE DETAIL

D4 — NTS



TYP. FLAG POLE DETAIL

D5 — NTS

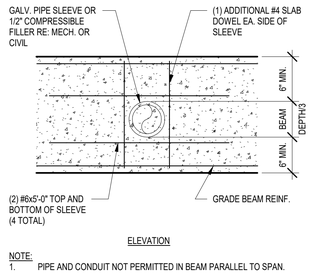


PLAN - CORNER BARS AT WALL OR GRADE BEAM INTERSECTION

NOTE:
1. PROVIDE CORNER BARS TO MATCH SIZE AND LOCATION OF ALL HORIZONTAL GRADE BEAM AND WALL BARS EXCEPT HOOKED TOP AND BOTTOM BARS.

TYPICAL CORNER BAR DETAIL

C1 — NTS



ELEVATION

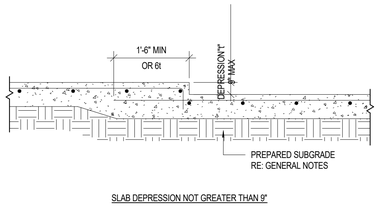
NOTE:
1. PIPE AND CONDUIT NOT PERMITTED IN BEAM PARALLEL TO SPAN.

TYPICAL SLEEVE IN GRADE BEAM

C2 — NTS

NOT USED

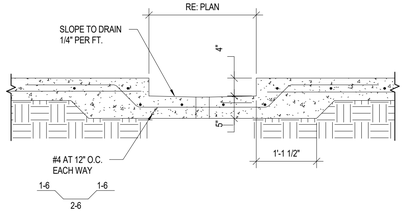
C3 — NTS



SLAB DEPRESSION NOT GREATER THAN 9"

TYP. SLAB-ON-GRADE DEPRESSION DETAIL

C4 — NTS



SINK DETAIL

C5 — NTS

'Ld' TENSION DEVELOPMENT LENGTH FOR BEAM, SLAB, AND WALL REBARS (GRADE 60 UNCOATED BARS - NORMAL WEIGHT CONCRETE)

BAR SIZE	f'c=3000 psi		f'c=4000 psi		f'c=5000 psi		f'c=6000 psi		f'c=8000 psi	
	LdTOP	Ld BOT	LdTOP	Ld BOT	LdTOP	Ld BOT	LdTOP	Ld BOT	LdTOP	Ld BOT
# 3	1'-9"	1'-4"	1'-6"	1'-2"	1'-5"	1'-1"	1'-3"	1'-0"	1'-1"	1'-0"
# 4	2'-4"	1'-10"	2'-1"	1'-7"	1'-10"	1'-5"	1'-8"	1'-3"	1'-5"	1'-1"
# 5	3'-0"	2'-3"	2'-7"	2'-0"	2'-4"	1'-9"	2'-1"	1'-7"	1'-10"	1'-5"
# 6	3'-7"	2'-9"	3'-1"	2'-4"	2'-9"	2'-1"	2'-6"	1'-11"	2'-2"	1'-8"
# 7	5'-2"	4'-0"	4'-6"	3'-6"	4'-0"	3'-1"	3'-8"	2'-10"	3'-2"	2'-5"
# 8	5'-11"	4'-7"	5'-2"	3'-11"	4'-7"	3'-6"	4'-2"	3'-3"	3'-8"	2'-10"
# 9	6'-8"	5'-2"	5'-9"	4'-5"	5'-2"	4'-0"	4'-9"	3'-8"	4'-1"	3'-2"
# 10	7'-6"	5'-10"	6'-6"	5'-0"	5'-10"	4'-6"	5'-4"	4'-1"	4'-7"	3'-7"
# 11	8'-4"	6'-5"	7'-3"	5'-7"	6'-6"	5'-0"	5'-11"	4'-7"	5'-1"	3'-11"

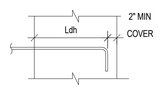
NOTES:
1. 'TOP' BARS ARE HORIZONTAL REBARS WITH MORE THAN 12 IN OF FRESH CONCRETE CAST BELOW THE BARS AT THE DEVELOPMENT LENGTH.
2. 'Ld' FOR #3 AND #4 BARS IN SLAB OR WALL ARE CONSERVATIVE AND MAY BE REDUCED TO 0.75 TIMES.
3. FOR LIGHT-WEIGHT CONCRETE MULTIPLY THE TABULATED VALUES BY 1.3.

TENSION LAP SPLICES CLASS B FOR TOP & BOTTOM BARS (GRADE 60 UNCOATED BARS NORMAL WEIGHT CONCRETE)

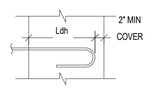
BAR SIZE	f'c=3000 psi		f'c=4000 psi		f'c=5000 psi		f'c=6000 psi		f'c=8000 psi	
	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT
# 3	2'-4"	1'-9"	2'-0"	1'-6"	1'-10"	1'-5"	1'-8"	1'-4"	1'-5"	1'-4"
# 4	3'-1"	2'-4"	2'-8"	2'-1"	2'-5"	1'-10"	2'-2"	1'-8"	1'-11"	1'-5"
# 5	3'-10"	3'-0"	3'-4"	2'-7"	3'-0"	2'-4"	2'-9"	2'-1"	2'-4"	1'-10"
# 6	4'-8"	3'-7"	4'-0"	3'-1"	3'-7"	2'-9"	3'-3"	2'-6"	2'-10"	2'-2"
# 7	6'-9"	5'-2"	5'-10"	4'-6"	5'-3"	4'-0"	4'-9"	3'-8"	4'-2"	3'-2"
# 8	7'-9"	5'-11"	6'-8"	5'-2"	6'-0"	4'-7"	5'-5"	4'-2"	4'-9"	3'-8"
# 9	8'-8"	6'-8"	7'-6"	5'-9"	6'-9"	5'-2"	6'-2"	4'-9"	5'-4"	4'-1"
# 10	9'-10"	7'-6"	8'-6"	6'-6"	7'-7"	5'-10"	6'-11"	5'-4"	6'-0"	4'-7"
# 11	10'-11"	8'-4"	9'-5"	7'-3"	8'-5"	6'-6"	7'-8"	5'-11"	6'-8"	5'-1"

NOTE:
1. FOR CLASS 'A' SPLICE (PERMITTED ONLY WHEN NOT MORE THAN HALF THE BARS SPLICED AND SPLICES STAGGERED BY THE DISTANCE OF SPLICE LENGTH), USE SAME AS 'ld' = TENSION DEVELOPMENT LENGTH TABLE.

'Ldh' TENSION DEVELOPMENT (EMBEDMENT) LENGTH FOR STANDARD END HOOKS



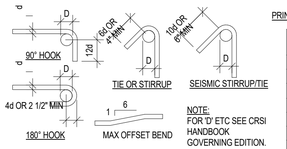
STANDARD 90° HOOK SIDE COVER ≥ 2 1/2"



STANDARD 180° HOOK SIDE COVER ≥ 2 1/2"

BAR SIZE	f'c = 3000 psi		f'c = 4000 psi		f'c = 5000 psi		f'c = 6000 psi		f'c = 7000 psi		f'c = 8000 psi	
	Ldh	0.7Lhb	Ldh	0.7Lhb	Ldh	0.7Lhb	Ldh	0.7Lhb	Ldh	0.7Lhb	Ldh	0.7Lhb
# 3	10"	7"	9"	6"	8"	6"	7"	6"	7"	6"	6"	6"
# 4	1'-2"	10"	1'-0"	8"	11"	7"	10"	7"	9"	6"	8"	6"
# 5	1'-5"	1'-0"	1'-3"	10"	1'-1"	9"	1'-0"	8"	11"	8"	10"	7"
# 6	1'-9"	1'-2"	1'-6"	1'-0"	1'-4"	11"	1'-3"	10"	1'-1"	9"	1'-1"	9"
# 7	2'-0"	1'-5"	1'-9"	1'-3"	1'-7"	1'-1"	1'-5"	1'-0"	1'-4"	11"	1'-3"	10"
# 8	2'-3"	1'-7"	2'-0"	1'-5"	1'-9"	1'-3"	1'-7"	1'-2"	1'-6"	1'-1"	1'-5"	1'-0"
# 9	2'-7"	1'-10"	2'-3"	1'-7"	2'-0"	1'-5"	1'-10"	1'-3"	1'-8"	1'-2"	1'-7"	1'-1"
# 10	2'-11"	2'-0"	2'-6"	1'-9"	2'-3"	1'-7"	2'-1"	1'-5"	1'-11"	1'-4"	1'-9"	1'-3"
# 11	3'-3"	2'-3"	2'-9"	1'-11"	2'-6"	1'-9"	2'-3"	1'-7"	2'-1"	1'-6"	2'-0"	1'-5"

NOTES:
1. Ldh = DEVELOPMENT LENGTH OF STANDARD HOOKS IN TENSION.
2. Ldh = Lhb UNLESS CONDITIONS OF ITEMS 3 ARE SATISFIED.
3. Ldh = 0.7 Lhb FOR #11 BARS AND SMALLER WHEN SIDE COVER (NORMAL TO PLAN OF HOOK) IS NOT LESS THAN 2 1/2" AND FOR 90° HOOKS, COVER ON BAR EXTENSION BEYOND HOOK IS NOT LESS THAN 2 INCHES.
4. HOOKS ARE NOT CONSIDERED EFFECTIVE FOR DEVELOPING BARS IN COMPRESSION.
5. Ldh SHALL BE MULTIPLIED BY 1.2 FOR EPOXY-COATED HOOKED BARS.



NOTE:
FOR 'D' ETC SEE CRSI HANDBOOK GOVERNING EDITION.

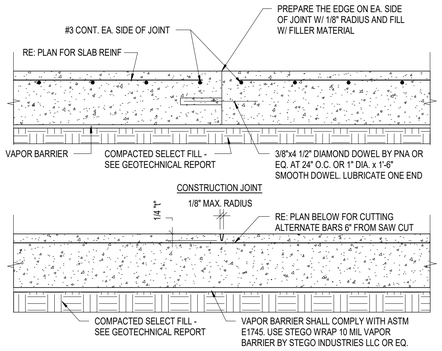
PRINCIPAL REINFORCING

BAR DIA	MIN "D"
#3	1 1/2"
#4	2"
#5	2 1/2"
#6	3"
#7	3 1/2"
#8	4"
#9	4 1/2"
#10	5"
#11	5 1/2"

NOTES:
1. BENDS SHALL BE MADE COLD.
2. #14 AND #18 BARS SHALL BE BEND-TESTED AND APPROVED PRIOR TO BENDING.

TENSION SCHEDULE & BAR BENDS

A1 — NTS



TYPICAL CONSTRUCTION / CONTROL JOINT SLAB-ON-GRADE

A4 — NTS

CONSTRUCTION JOINT NOTES:
1. REFER TO PLAN FOR SLAB THICKNESS (t) AND REINFORCEMENT.
2. SLAB REINFORCEMENT SHALL BE CHAIRED BY SOIL SUPPORT SLAB BOLSTERS.
3. DO NOT USE THE KEY JOINT FOR SCREEDING.
4. BREAK BOND BETWEEN NEW AND PREVIOUSLY PLACED SLAB BY SPRAYING OR PAINTING THE EXPOSED SIDE OF THE KEY AND DOWEL WITH CURING COMPOUND, ASPHALTIC EMULSION OR FORM OIL.
5. REFER TO GENERAL NOTES, GENERAL SPECIFICATIONS, AND DRAWINGS FOR SUB-FLOOR DRAINAGE SYSTEM, SUBGRADE PREPARATION AND/OR MUD SLAB AND VAPOR BARRIER REQUIREMENTS.
6. SUBGRADE SHALL BE FREE OF STANDING WATER AT THE TIME OF CONCRETE PLACEMENT.
7. LONG STRIP CONSTRUCTION METHOD SHALL BE USED IN PLACING CONCRETE FOR ALL SLABS ON GRADE. REFER TO SCHEMATIC PLAN FOR CONCRETE PLACING SEQUENCE.

JOINT SPACING NOTES:
1. PROVIDE CONTROL PER SPACING PROVIDED ON FOUNDATION PLAN.

FORMED CONTROL JOINT NOTES:
1. FORM CONTROL JOINTS BY INSERTING PRE-MOLDED STRIP INTO FRESH CONCRETE UNTIL TOP SURFACE OF STRIP IS FLUSH WITH SLAB SURFACE.
2. TOOL SLAB EDGES ROUND ON EACH SIDE OF INSERT.
3. AFTER CONCRETE HAS CURED, REMOVE INSERTS AND CLEAN GROOVE OF LOOSE DEBRIS.

DOWEL NOTES:
1. ALL DOWELS SHALL CONFORM TO ASTM A615.
2. DOWELS SHALL BE CAREFULLY ALIGNED AND SUPPORTED DURING CONCRETING OPERATIONS.

JOINT FILLER NOTES:
1. FILLER MATERIAL SHALL HAVE A MINIMUM SHORE HARDNESS OF 35, AND SHALL CONFORM TO ASTM D2240. JOINT FILLER SHALL BE APPROVED BY A/E PRIOR TO APPLICATION. APPROVED JOINT FILLER IS VULKEM 245 AS MANUFACTURED BY MAMECO INTERNATIONAL OR EUCO QWIK JOINT 200 BY THE EUCLID CHEMICAL COMPANY OR EQUAL.
2. WHERE POSSIBLE, FILLER MATERIAL SHALL BE APPLIED WHEN BUILDING IS UNDER PERMANENT TEMPERATURE CONTROL. THIS SHALL BE EITHER AT THE END OF CONSTRUCTION OF THE COMPLETE BUILDING SHELL, OR A MINIMUM OF 90 DAYS AFTER SLAB CONSTRUCTION.
3. FOLLOW STRICTLY THE MANUFACTURER'S RECOMMENDED PROCEDURES FOR APPLYING THE JOINT FILLER.

SAW CUT CONTROL JOINT NOTES:
1. MAKE HAND-TOOLED JOINTS AS SOON AS SLAB IS ABLE TO SUPPORT THE WEIGHT OF WORKERS AND SAWING EQUIPMENT WITHOUT DAMAGE TO FINISH SURFACE OF SLAB. SAW CUT JOINTS ARE TO BE MADE ABSOLUTELY PRIOR TO THE NEXT MORNING AFTER PLACEMENT.
2. CLEAN JOINT PRIOR TO FILLING JOINT.
3. LOCATE CONTROL JOINTS AT COLUMN LINES. MAXIMUM SPACING BETWEEN CONTROL JOINTS = 30 x SLAB THICKNESS IN INCHES. LOCATE CONTROL JOINTS BETWEEN COLUMNS AS REQ'D.

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240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number
122.0088.470

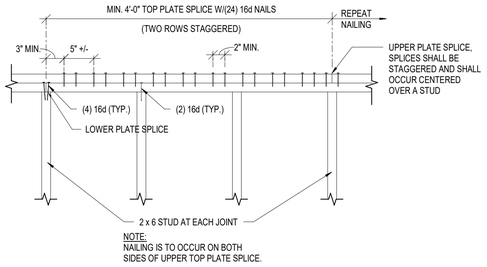
Description
TYPICAL DETAILS

Scale
As indicated

S5.1

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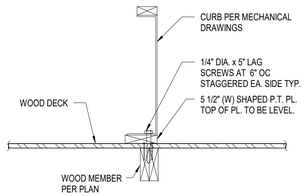


C1 TOP PLATE SPLICE
NTS

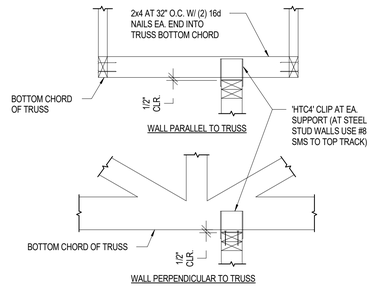
WOOD HEADER SCHEDULE			
MARK	SIZE	NO. OF JACK STUDS EACH SIDE	NO. OF KING STUDS EACH SIDE
HDR1	(3) 1.75x12 LVL WITH (1) 2x6 AT BOTTOM RE: NOTE 4	(2) 2x6 RE: NOTE 1, 3	(5) 2x6 RE: NOTE 1, 3
HDR2	(3) 2x10	(2) 2x6	(4) 2x6
HDR3	(3) 2x10	N/A RE: NOTE 2	(3) 2x10 RE: NOTE 2

NOTES:
1. AT PSL POSTS, HEADERS SHALL BE ATTACHED TO THE POST WITH A SIMPSON COLUMN CAP: SIMPSON CCQ WITH 90 DEGREE ROT AT MID COLUMN, ECCQ WITH 90 DEGREE ROT AT END COLUMN. ECCLQ-SDS AT CORNER COLUMN. RE: D1, D2/S5.3.
2. HEADER SHALL BE ATTACHED TO JAMB WITH A SIMPSON FACE MOUNT HANGER HUCQ210-3-SDS AT CORNER COLUMN. RE: D1, D2/S5.3.
3. AT SHEAR WALL STUD PACK WITHOUT JACK STUDS OR LOWER HEADERS ENDING ON PSL POST, HEADER SHALL BE ATTACHED TO SHEAR WALL STUD PACK OR PSL COLUMN WITH SIMPSON FACE MOUNT HANGER HUCQ210-3-SDS.
4. RE: C6/S5.2 FOR LVL BEAM BUILT UP MEMBER DETAIL.

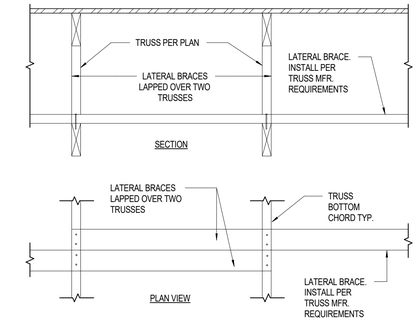
C2 WOOD HEADER SCHEDULE
NTS



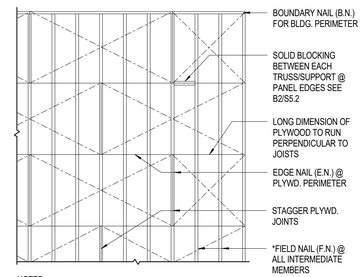
C3 MECHANICAL CURB ATTACHMENT
NTS



INTERIOR NON-BEARING WALL SUPPORT
C4
NTS

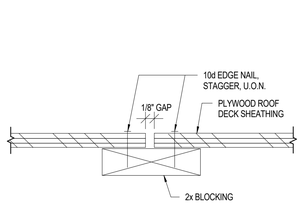


C5 BOTTOM CHORD TRUSS BRACING
NTS

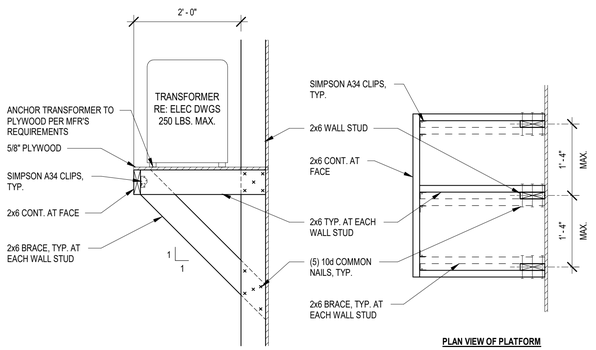


NOTES:
1. MIN. PLYWD. SHT. SIZE SHALL BE 2'-0" X 4'-0".
2. MIN. 3/8" NAILING EDGE DISTANCE.
3. EDGE NAIL (E.N.) O' BEAMS AND AROUND ALL OPENINGS.
4. PROVIDE 2 x 6 BLOCKING AT 4'-0" O.C.

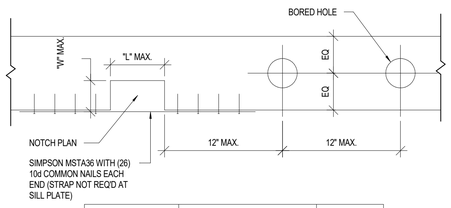
B1 ROOF NAILING PLAN
NTS



B2 PLYWOOD EDGE BLOCKING
NTS

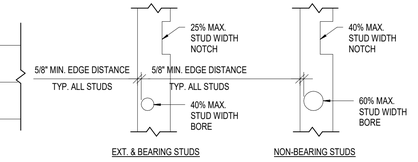


B3 TRANSFORMER SUPPORT DETAIL
NTS



DOUBLE 2x TOP PLATES, 2x OR 3x SILL PLATES	NOTCHES			BORED HOLES
	MIN. SPACING	"L" MAX.	"H" MAX.	MAX. DIA.
2x4	6'-0"	3-1/2"	1-1/2"	1-1/4"
2x6	6'-0"	5-1/2"	2"	2"
2x8	6'-0"	5-1/2"	3"	3"

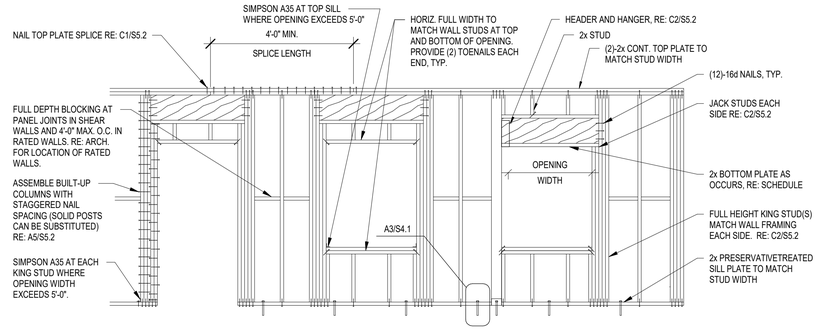
B4 ALLOW. PL. BORING/NOTCHING
NTS



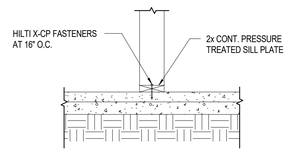
NOTCH BORE % OF STUD	2x4	2x6
25%	7/8"	1-3/8"
40%	1-3/8"	2-1/8"
60%	2"	3-1/4"

NOTES:
1. NOTCH & BORING NOT TO OCCUR IN SAME STUD SECTION.
2. NO MORE THAN 2 SUCCESSIVE DOUBLE STUDS MAY HAVE 60% MAX. BORED HOLES.

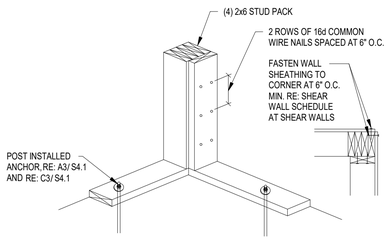
B5 ALLOW. STUD BORING/NOTCHING
NTS



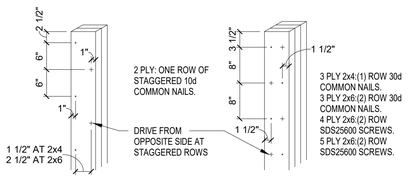
A1 TYPICAL WALL FRAMING
NTS



A3 TYP. INT. STUD WALL DETAIL
NTS



A4 TYP. CORNER STUD DETAIL
NTS



NOTES:
1. CONNECT BUILT-UP POSTS WITH NAILS OR BOLTS TO ALLOW FINISHED MEMBER TO ACT COMPOSITELY. COMPLY WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE NDS, BUT IN NO CASE LESS THAN THE FOLLOWING.
   - (2) PLY 2x4: (1) ROW OF STAGGERED 10d COMMON NAILS AT 12" O.C, SPACED AT 11/2" HORIZ. AND 6" VERT. CENTERED ON MEMBER, WITH ADJACENT NAILS DRIVEN FROM OPPOSITE SIDES OF THE BUILT-UP MEMBER.
   - (2) PLY 2x6: (1) ROW OF STAGGERED 10d COMMON NAILS AT 12" O.C, SPACED AT 21/2" HORIZ. AND 6" VERT. CENTERED ON MEMBER, WITH ADJACENT NAILS DRIVEN FROM OPPOSITE SIDES OF THE BUILT-UP MEMBER.
   - (3) PLY 2x4: (1) ROW OF STAGGERED 30d COMMON NAILS AT 16" O.C, SPACED AT 11/2" HORIZ. AND 6" VERT. CENTERED ON MEMBER, WITH ADJACENT NAILS DRIVEN FROM OPPOSITE SIDES OF THE BUILT-UP MEMBER.
   - (3) PLY 2x6: (2) ROWS OF 30d COMMON NAILS AT 8" O.C EA. SIDE, SPACED AT 11/2" HORIZ. FROM EDGE.
   - (4) PLY 2x6: (2) ROWS OF SIMPSON SDS25600 SCREWS AT 8" O.C EA. SIDE, SPACED AT 11/2" HORIZ. FROM EDGE.
2. "•" DENOTES NAIL LOCATIONS DRIVEN FROM BACK FACE OF ADDITIONAL NAILS WHERE (2) ROWS OF NAILS ARE REQUIRED.

A5 TYP. BUILT-UP COLUMN DETAIL
NTS



C6 BUILT-UP LVL BEAM DETAIL
1" = 1'-0"

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Description

TYPICAL DETAILS

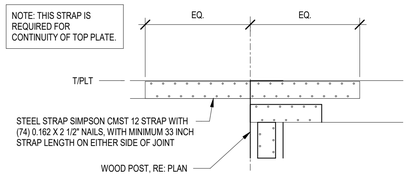
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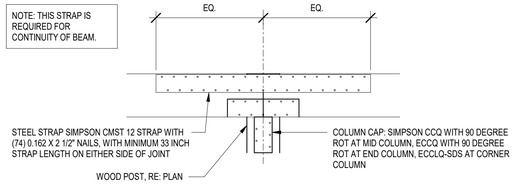
S5.2

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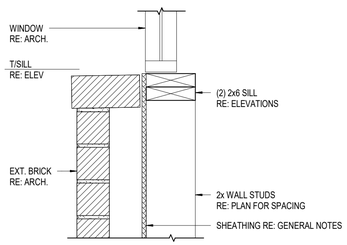
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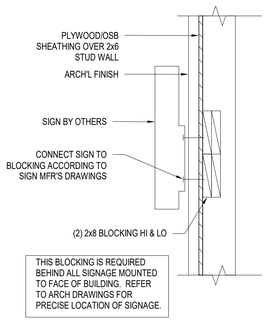
D1 TOP PLATE STRAP
1" = 1'-0"



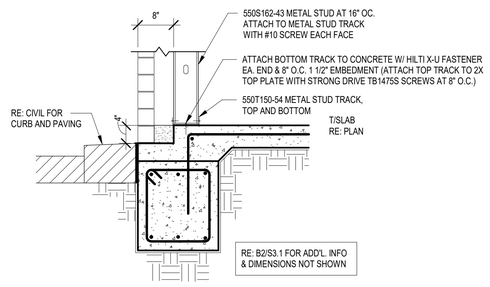
D2 BEAM STRAP
1" = 1'-0"



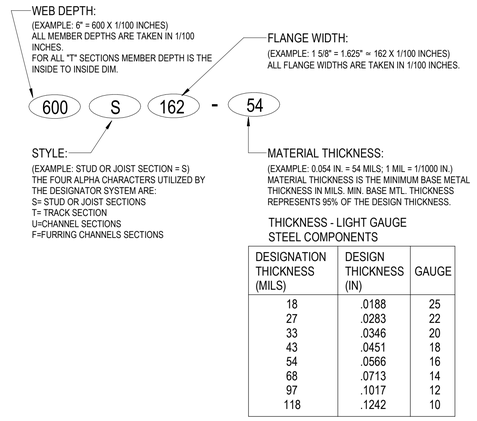
B1 DETAIL
1 1/2" = 1'-0"



A1 SIGN BLOCKING DETAIL
1" = 1'-0"



A2 SECTION AT METAL STUD WALL
3/4" = 1'-0"



THICKNESS - LIGHT GAUGE STEEL COMPONENTS

DESIGNATION THICKNESS (MILS)	DESIGN THICKNESS (IN)	GAUGE
18	.0188	25
27	.0283	22
33	.0346	20
43	.0451	18
54	.0566	16
68	.0713	14
97	.1017	12
118	.1242	10

A3 LIGHT GAUGE METAL NOMENCLATURE
12" = 1'-0"

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Project Name PT22M
240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number
122.0088.470

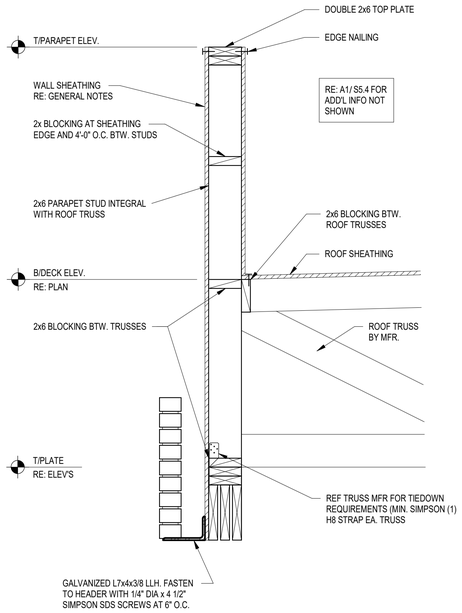
Description
FRAMING DETAILS

Scale
As indicated

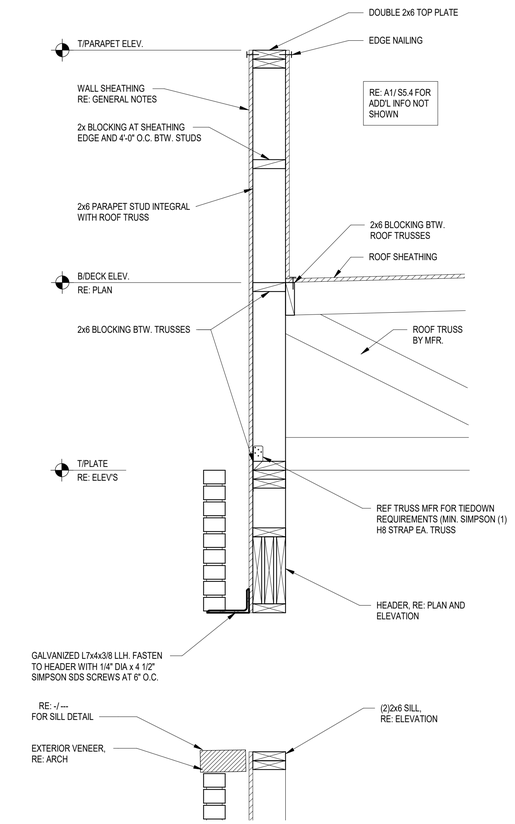
S5.3

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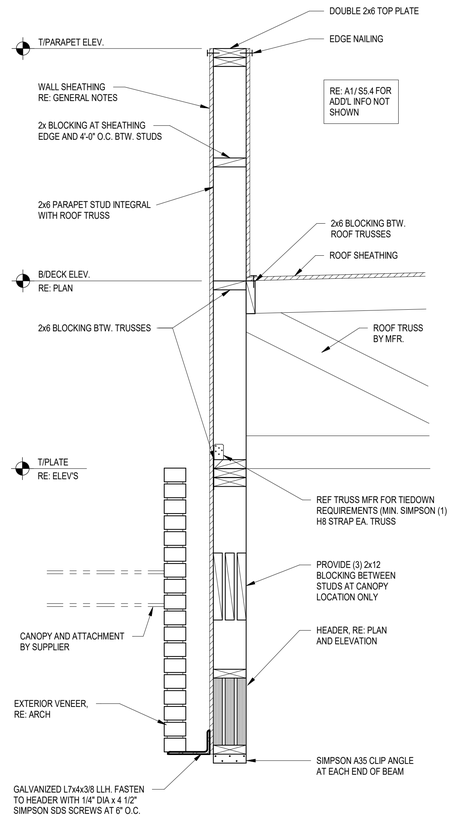
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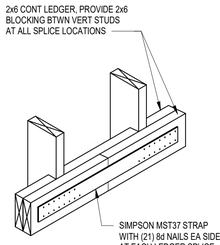
C1 SECTION
1" = 1'-0"

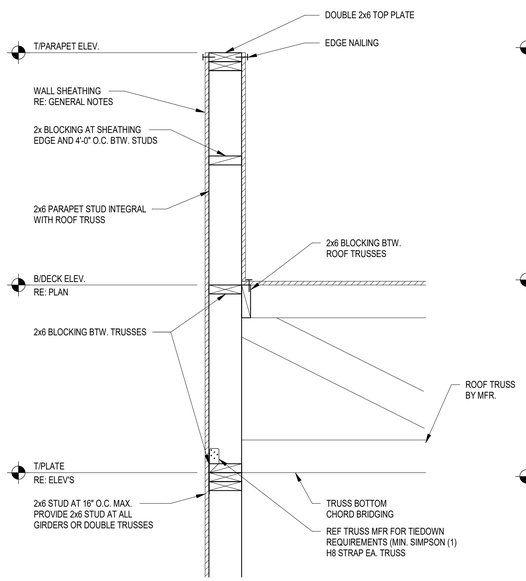


C2 SECTION
1" = 1'-0"

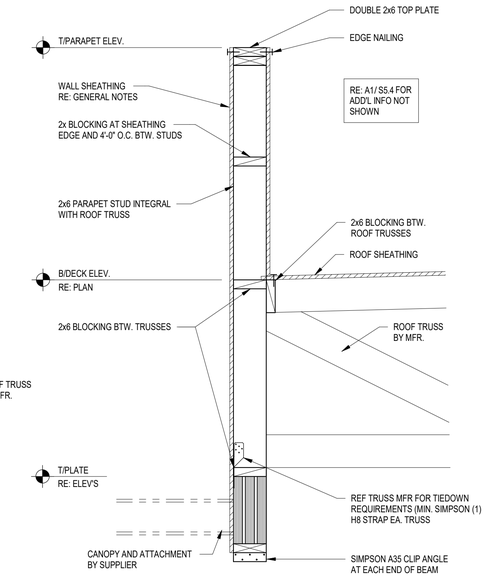


C3 WINDOW DETAIL
1" = 1'-0"

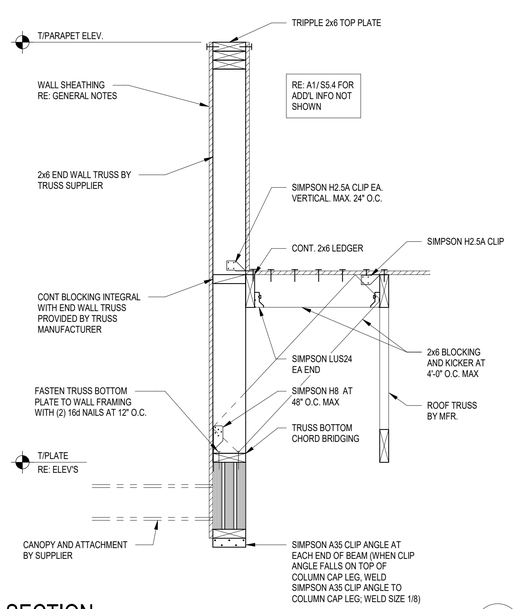




A1 SECTION
1" = 1'-0"

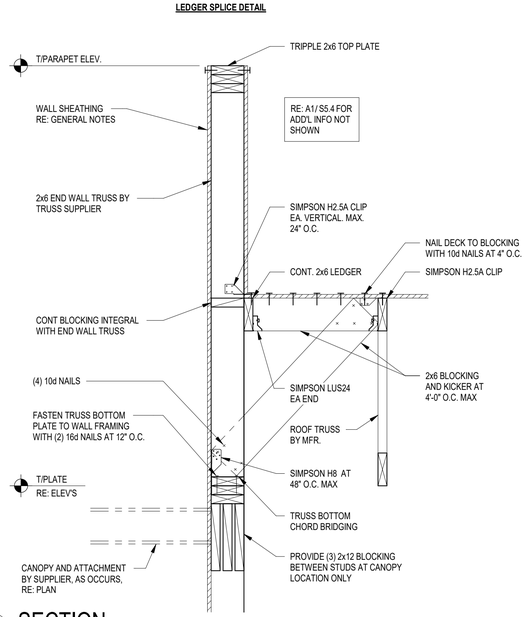


A2 SECTION
1" = 1'-0"



A3 SECTION
1" = 1'-0"

LEDGER SPLICE DETAIL



A4 SECTION
1" = 1'-0"

3/17/2023 12:47:15 PM BIM 360://122.0088.470 - WB - Lee Summit MO PT22M/LEES SUMMIT_PT22M_STRC_R21.rvt

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Project Number

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Description

FRAMING DETAILS

Scale

1" = 1'-0"

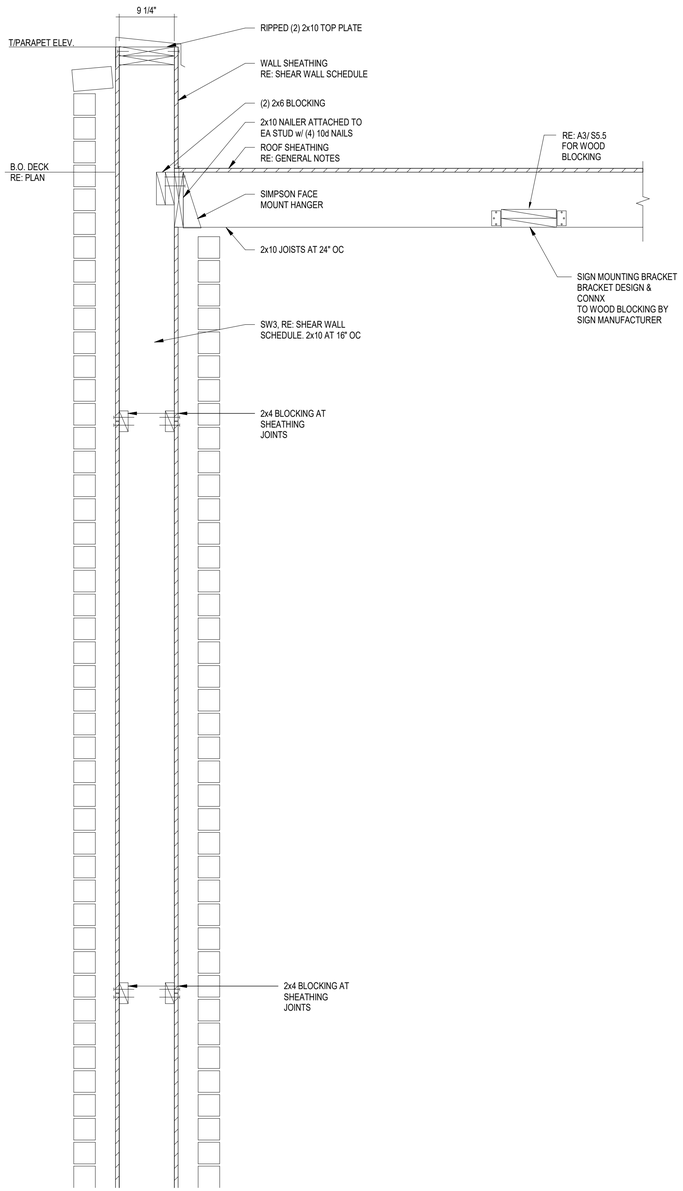
S5.4

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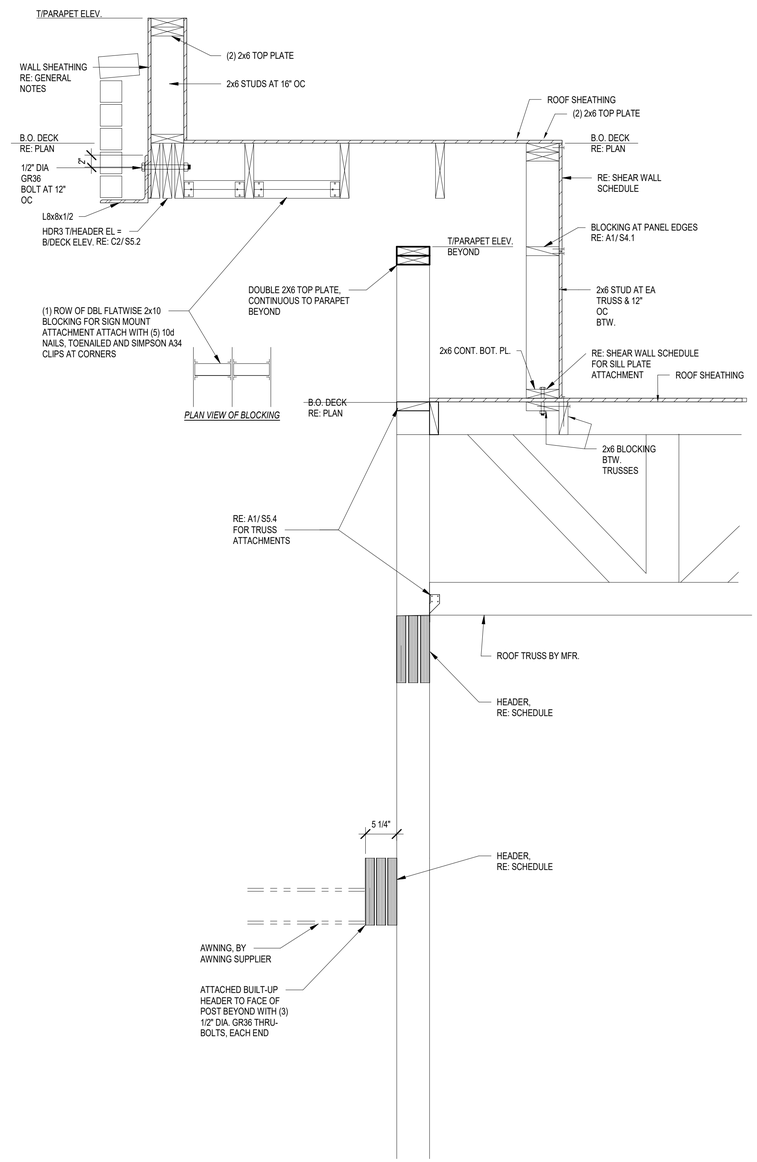
A1 ENLARGED PLAN

3/8" = 1'-0"



A2 SECTION AT ENTRY PORTAL SIDE WALL

1" = 1'-0"



A3 SECTION AT ENTRY PORTAL

1" = 1'-0"

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NUMBER
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PROFESSIONAL ENGINEER
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Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

FRAMING DETAILS

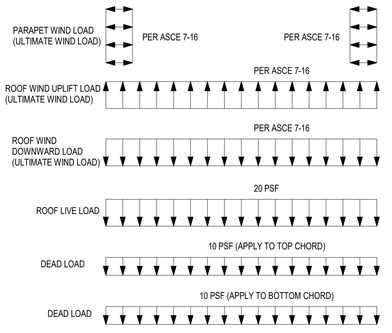
Scale

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S5.5

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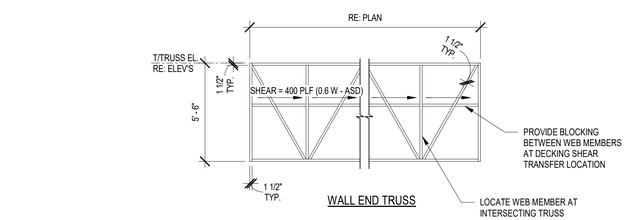


NOTE:

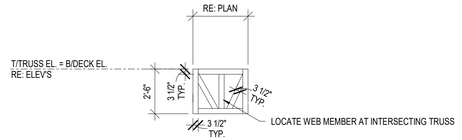
1. ACCOUNT FOR MECHANICAL ROOF TOP UNIT LOADS IN THE TRUSS DESIGN. LOADS ARE NOT INCLUDED IN THE ABOVE LOADING DIAGRAM. WEIGHT AND LOCATION OF UNITS ARE SHOWN ON THE ROOF FRAMING PLAN. VERIFY THESE LOADS WITH THE MECHANICAL SUPPLIER BEFORE DESIGNING TRUSS.
2. ACCOUNT FOR FLAT SNOW LOAD AND SNOW DRIFT FOR END TRUSSES, IF SNOW LOAD GOVERNS. REF ROOF PLAN FOR SNOW LOAD AND SNOW DRIFT.

C1 TRUSS DESIGN CRITERIA

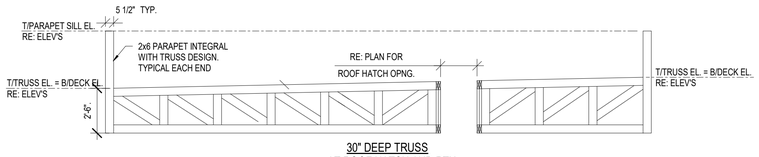
NTS



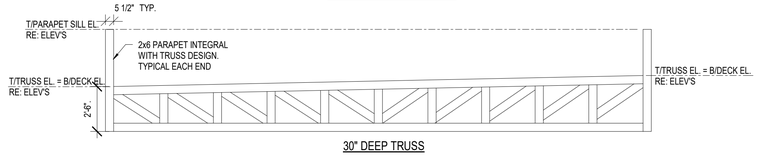
WALL END TRUSS



30" DEEP SHORT TRUSS
AT ROOF HATCH AND RTU



30" DEEP TRUSS
AT ROOF HATCH AND RTU



30" DEEP TRUSS

C2 PRE-MANUFACTURED ROOF TRUSS DIAGRAM

NTS

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SUMMIT, MO 64081

Project Number

122.0088.470

Description

FRAMING DETAILS

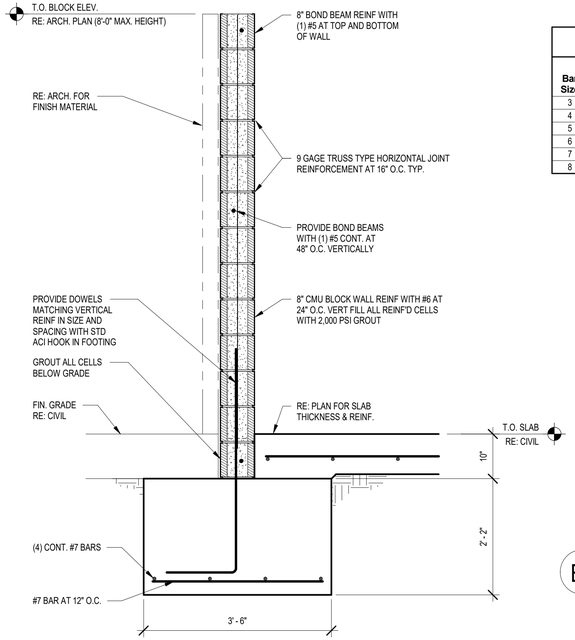
Scale

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S5.6

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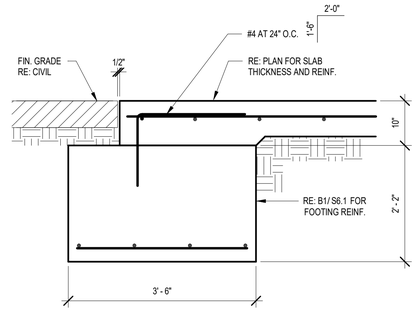
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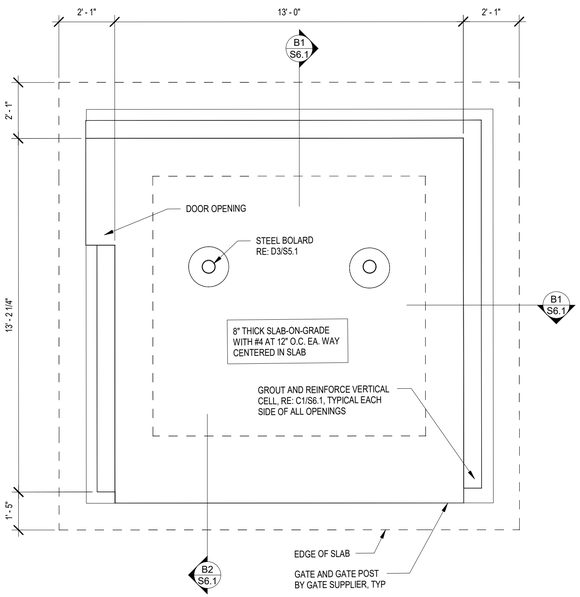
B1 TRASH ENCLOSURE TYPICAL SECTION
3/4" = 1'-0"

STEEL REINF LAP SCHEDULE

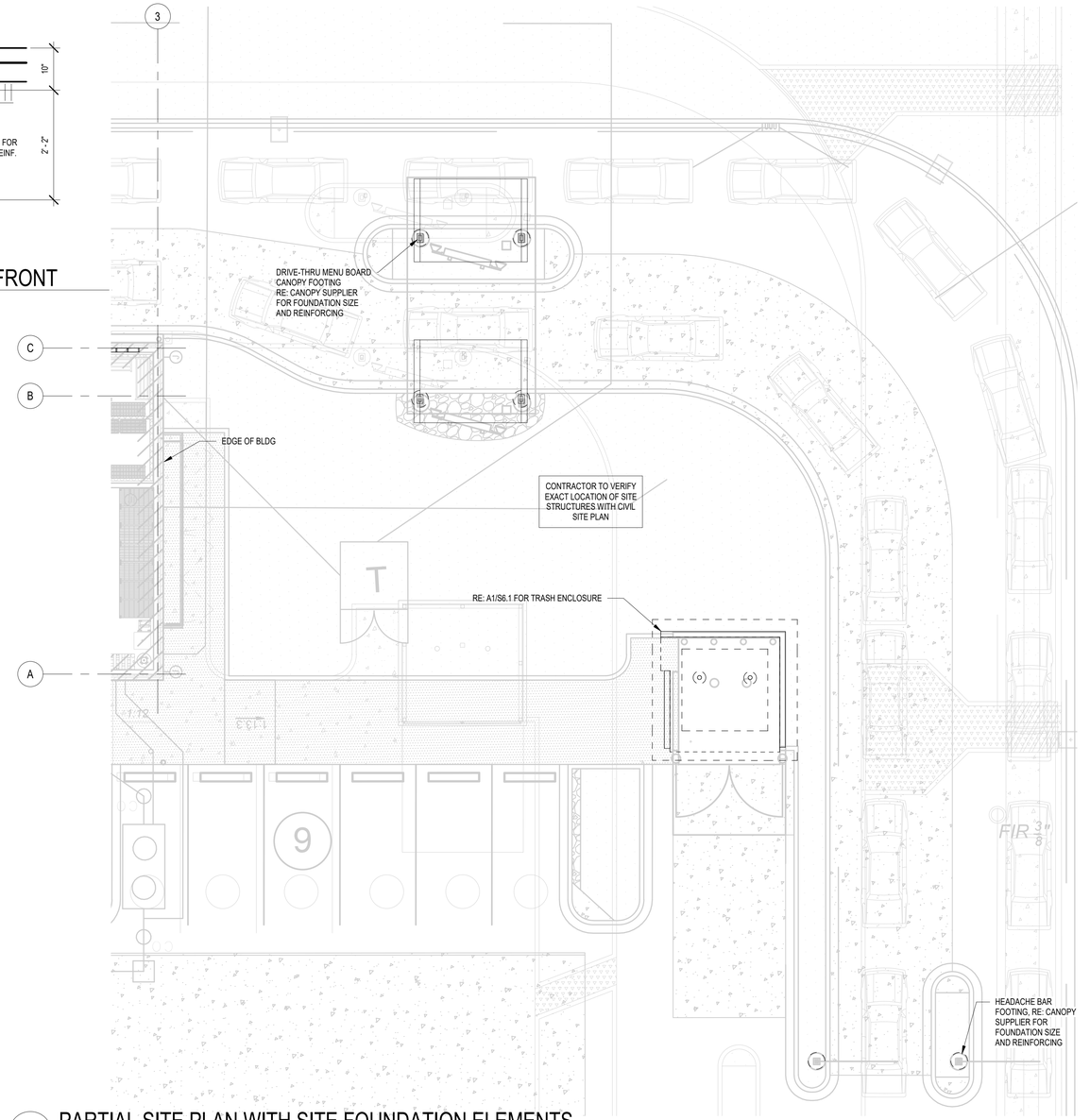
Bar Size	CONCRETE LAP SPLICE (CLASS B) (IN)									
	f'c = 3,000psi		f'c = 3,500psi		f'c = 4,000psi		f'c = 4,500psi		f'c = 5,000psi	
	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER
3	17	16	16	16	16	16	16	16	16	16
4	23	18	21	16	20	16	19	16	18	16
5	28	22	26	20	25	19	23	18	22	17
6	34	26	31	24	29	23	28	21	26	20
7	49	38	45	35	43	33	40	31	38	29
8	56	43	52	40	49	37	46	35	44	34



B2 TRASH ENCLOSURE SECTION AT FRONT
3/4" = 1'-0"



A1 TRASH ENCLOSURE FOUNDATION PLAN
3/8" = 1'-0"



A2 PARTIAL SITE PLAN WITH SITE FOUNDATION ELEMENTS
1/8" = 1'-0"

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Project Number

122.0088.470

Description

DUMPSTER ENCLOSURE PLANS & DETAILS

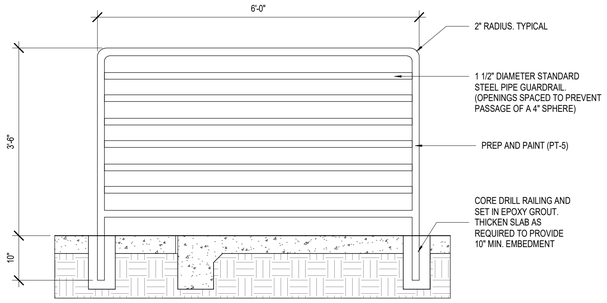
Scale

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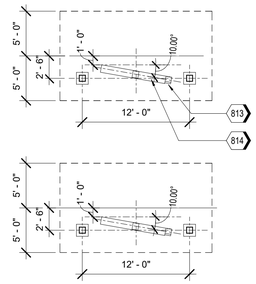
S6.1

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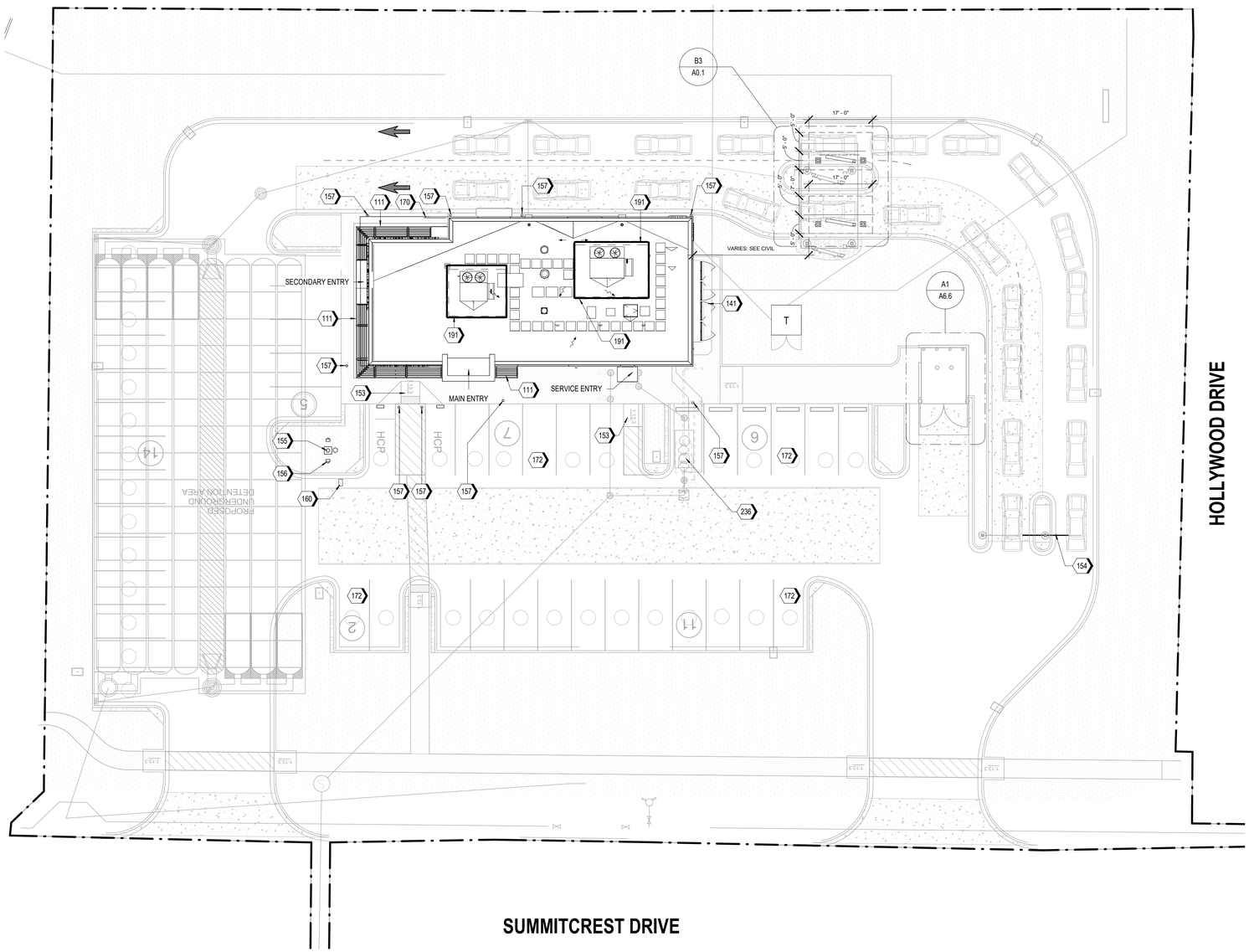
B4 GUARDRAIL ELEVATION
SCALE 3/4" = 1'-0"



B3 DRIVE-THRU CANOPY PLAN
SCALE 1/8" = 1'-0"

KEYNOTES

111	ENTERA PRE-MANUFACTURED CANOPY, BY OTHERS
141	ENTERA PRE-MANUFACTURED ELECTRICAL PANEL SCREEN, BY OTHERS
152	LIGHT POLE. RE:ELECTRICAL
153	RAMP. RE:CIVIL
154	ENTERA PRE-MANUFACTURED HEADACHE BAR, BY OTHERS
155	FLAG POLE WITH GROUND MOUNTED LIGHTS, UNITED FLAG AND BANNER OR APPROVED EQUAL. 30FT X 5IN X .125IN WALL THICKNESS. 1-PC TAPERED ALUMINUM COMMERICAL FLAGPOLE. INLCUDE ALUMINUM ROLLER AND SLEEVE. HARDWARE TO INCLUDE STATIONARY TRUCK, NYLON FLAGSNAPS AND HALYARD. ENTIRE ASSEMBLY (INCLUDING FOUNDATION) TO CONFIRM TO APPLICABLE CODES, INLCUDING WIND LOADS. SEE DETAILS D5/ S5.1 FOR FOUNDATION DETAIL AND SEE DETAIL A4/E5.2 FOR LIGHT DETAILS.
156	PROVIDE POWER FOR GROUND MOUNTED LIGHTS RE:ELECTRICAL
157	PIPE BOLLARDS: IDEAL SHIELD. RE: SPECIFICATIONS. 402 GRAY, PANTONE 402C. RE D3/S5.1
160	MAILBOX LOCATION; BASIS OF DESIGN MANUFACTURER IS JAYCO INDUSTRIES MODEL: SUPER LETTER LOCKER W/ GRAY POWDER COATED FINISH.
170	ENTERA PRE-MANUFACTURED GUARDRAIL, BY OTHERS. RE:B4/A0.1
172	PARKING SPACE, TYP.
191	ENTERA PRE-MANUFACTURED ROOF SCREEN, BY OTHERS
236	GREASE INTERCEPTOR, RE: MEP
813	SPEAKER BOX MOUNTED TO MENU BOARD AND PROVIDED BY MENU BOARD VENDOR
814	DIGITAL MENU BOARD SUPPLIED AND INSTALLED BY MENU BOARD VENDOR



A1 SITE PLAN
SCALE 1/16" = 1'-0"

3/16/2023 4:26:44 PM BIM 360://122.0088.470 - WB - Lee Summit MO PT22M/PT22M_LeesSummit_ARCH_R21.rvt

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Project Number
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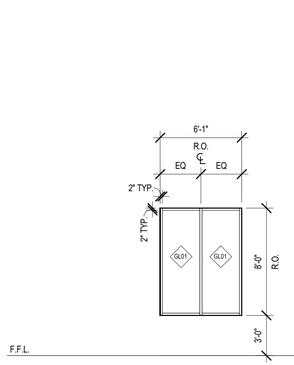
Description
SITE PLAN

Scale
As indicated

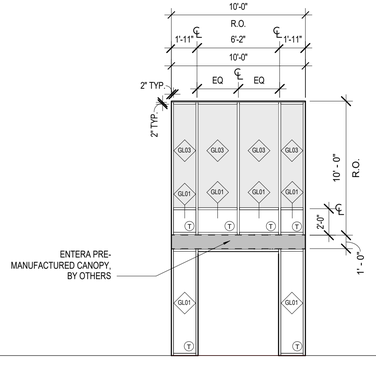
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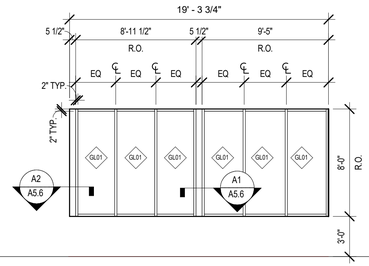
ALL DIMENSIONS TO BE FIELD VERIFIED PRIOR TO FABRICATION



W1
ANODIZED ALUMINUM
STOREFRONT SYSTEM

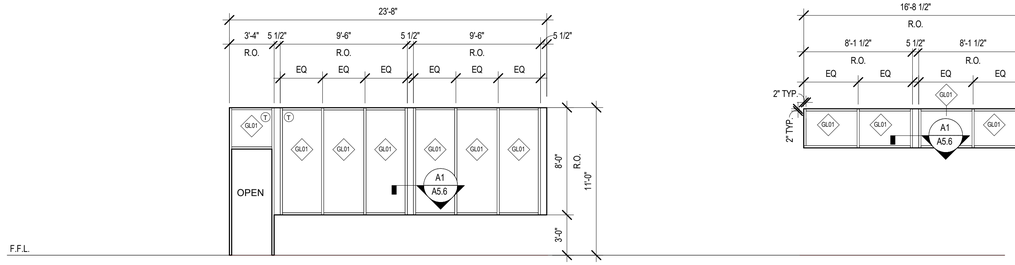


W2
ANODIZED ALUMINUM
STOREFRONT SYSTEM

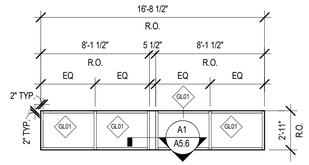


W3
ANODIZED ALUMINUM
STOREFRONT SYSTEM

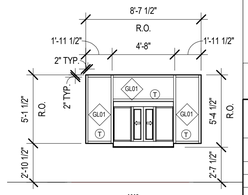
D4 WINDOW SCHEDULE
SCALE 3/16" = 1'-0"



W4
ANODIZED ALUMINUM
STOREFRONT SYSTEM

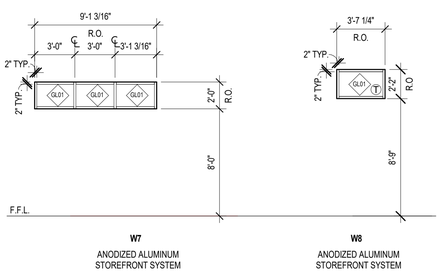


W5
ANODIZED ALUMINUM
STOREFRONT SYSTEM



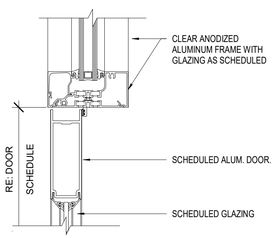
W6
QUICKSERV #PW-54-E
DRIVE-THRU WINDOW
W/ PHOTOELECTRIC BEAM

C4 WINDOW SCHEDULE
SCALE 3/16" = 1'-0"

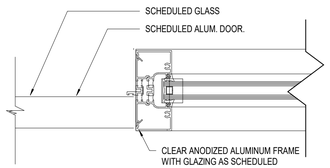


W7
ANODIZED ALUMINUM
STOREFRONT SYSTEM

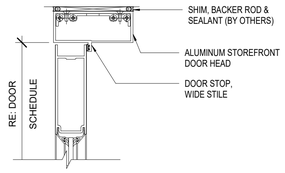
W8
ANODIZED ALUMINUM
STOREFRONT SYSTEM



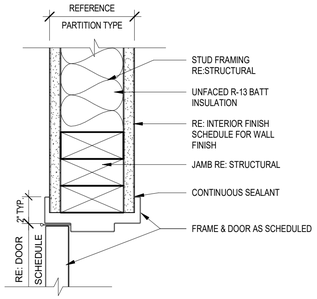
C2 HEAD - STOREFRONT GLASS/DOOR
SCALE 3" = 1'-0"



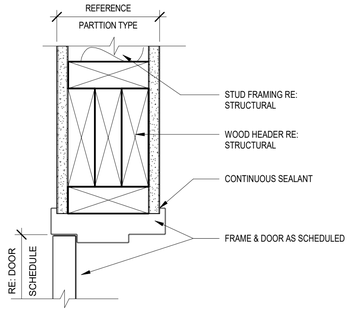
B2 JAMB - STOREFRONT DOOR
SCALE 3" = 1'-0"



A2 HEAD - STOREFRONT DOOR
SCALE 3" = 1'-0"

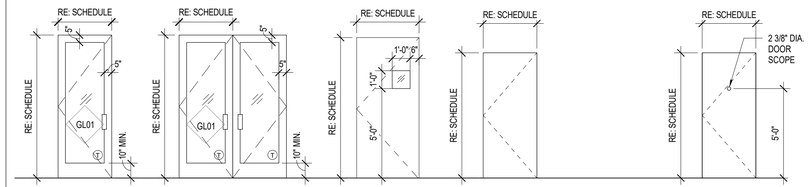


A4 HOLLOW METAL DOOR JAMB DETAIL
SCALE 3" = 1'-0"



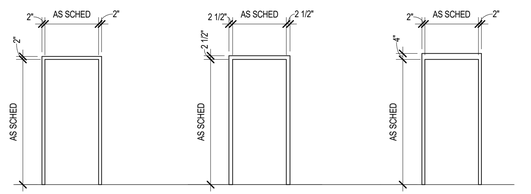
A3 HOLLOW METAL DOOR HEAD DETAIL
SCALE 3" = 1'-0"

DOOR TYPES



NOTE:
*ALL GLASS LITES TO BE TEMPERED GLASS

FRAME TYPES



DOOR SCHEDULE

		DOOR							FRAME			DETAILS			
		SIZE													
NO.	LOCATION	WIDTH	HEIGHT	THICKNESS	TYPE	MAT	FINISH	GLAZING	TYPE	MAT	FINISH	HEAD	JAMB	HDWR	REMARKS
100	ENTRY	6' - 0"	7' - 9 1/4"	2"	B	GL.ALUM	ALUM	TEMPERED	B	ALUM	CLR ANNO	A2/A0.3	B2/A0.3	1	
101	DINING ROOM	3' - 0"	7' - 11"	2"	A	GL.ALUM	ALUM	TEMPERED	A	ALUM	CLR ANNO	A2/A0.3	B2/A0.3	2	
103	MEN	3' - 0"	7' - 0"	1 3/4"	D	SW	PLAM (PL-1)	-	A	HM	PAINT (PT-3)	A3/A0.3	A4/A0.3	5	
104	WOMEN	3' - 0"	7' - 0"	1 3/4"	D	SW	PLAM (PL-1)	-	A	HM	PAINT (PT-3)	A3/A0.3	A4/A0.3	5	
106	EXPEDITED DELIVERY	3' - 0"	8' - 0"	1 3/4"	C	HM	PAINT (PT-5)	TEMPERED	C	HM	PAINT	B3/A5.1	A4/A5.6	3	
110	OFFICE	3' - 0"	7' - 0"	1 3/4"	D	SW	PLAM (PL-1)	-	A	HM	PAINT (PT-3)	A3/A0.3	A4/A0.3	6	KEYLESS ACCESS LOCK
111	COOKING	3' - 6"	8' - 0"	1 3/4"	F	HM	PAINT (PT-5)	-	A	HM	PAINT (PT-3)	A3/A0.3	A4/A5.6	4	

HARDWARE SET

1. ACTIVE LEAF LOCK:	ADAMS RITE #MS 1850A DEADLOCK W/ TWO #4066 THUMBTURN
INACTIVE LEAF LOCK:	CONTROLLER BY KAWNEER 3-POINT LOCKING SYTEM
CONTINUES HINGES:	PEMKO CFM#91 SLI-HD1
THRESHOLD:	PEMKO #227A (½" HEIGHT MAX.)
DOOR CLOSER:	NORTON #8301DA, FULLY ADJUSTABLE, TOP JAMB MOUNTED. ALUM. FINISH
DOOR STOP:	BROOKLINE #1328, ST. STEEL
WEATHERSTRIP:	BY DOOR MANUFACTURER
PUSH/ PULL:	STYLE L, 1" OFFSET TUBULAR PUSH/PULL EACH LEAF
EXIT INDICATOR:	ADAMS RITE #4089X 130
2. CONTINUOUS HINGES:	PEMKO CFM#91 SLI-HD1
THRESHOLD:	PEMKO #227A (½" HEIGHT MAX.)
DOOR CLOSER:	NORTON #8301DA, FULLY ADJUSTABLE, TOP JAMB MOUNTED. ALUM. FINISH
DOOR STOP:	BROOKLINE #1328, ST. STEEL
WEATHERSTRIP:	BY DOOR MANUFACTURER
PULL:	ROCKWOOD #BF157
EXIT DEVICES:	VON DUPRIN 22 X #22L-SP28 BRUSHED ALUM. FINISH
EXIT INDICATOR:	ADAMS RITE #4089X 130
3. EXIT DEVICES:	VON DUPRIN 22 X #230NL-SP28 BRUSHED ALUM. FINISH
HINGES:	(3) HAGER #BB1279 NRP OR EQUAL, ST. ST. 4 1/2" X 4 1/2" MORTISE BEARING.STAINLESS STEEL FINISH
THRESHOLD:	HAGER# 432 (½" HEIGHT MAX.)
DOOR CLOSERS:	NORTON #8501 DA x SNB, BRUSHED ALUM. FINISH
WEATHERSTRIP/	JAMBS AND HEAD, HAGER #891 SV. DOOR
SWEEP:	BOTTOM SWEEP, HAGER#770SV
KICKPLATE:	HAGER #190S, 8" X DOOR WIDTH; SS FINISH
FLOOR STOP:	HAGER#269F
4. DOOR ALARM:	ALARM LOCK #PG21
EXIT DEVICE:	VON DUPRIN 22 X #22L-SP28 BRUSHED ALUM. FINISH
HINGES:	MARKAR FM100 CONTINUOUS HINGE MORTISE BEARING STAINLESS, SATIN FINISH, HINGE REINFORCING REQUIRED
THRESHOLD:	HAGER #432S (½" HEIGHT MAX.)
DOOR CLOSERS:	NORTON #8501 DA x SNB - REINFORCED ALUM. FINISH
WEATHERSTRIP:	HAGER #891, SATIN FINISH
SWEEP:	HAGER #770S, SATIN FINISH
KICKPLATE:	HAGER #190S 8" X DOOR WIDTH; SS FINISH
FLOOR STOP:	HAGER#269F
DOOR SCOPE:	ALUMINUM FINISH
	UNDERCUT-1#2" UNDERCUT ON FRAME
DRIP CAP:	HAGER #810X46"
5. HINGES:	(3) HAGER #BB1279 OR EQUAL, 4 1/2 "X 4 1/2" MORTISE BEARING , 626 SATIN FINISH
KICKPLATE:	HAGER #190S, 8" X DOOR WIDTH; SS FINISH
DOOR CLOSERS:	NORTON #8501 DA x SNB REINFORCED ALUM FINISH
PUSH PLATE:	HAGER #30S 4 X 16
PULL PLATE:	HAGER #33E 4 X 16
DOOR STOP:	(1) HAFER# 232W CONVEX
6. KEYLESS ACCESS LOCK:	TRILOGY T2 DL2700-INTERIOR USE USD26 SATIN CHROME
HINGE:	(3) HAGER #BB1279
KICKPLATE:	HAGER #190S, 8" X DOOR WIDTH; SS FINISH
CLOSER:	NORTON #8501 DA x SNB, ALUMINUM FINISH
DOOR STOP:	HAGER 236W CONCAVE
7. LOCK:	FALCON #T571-D, DORMITORY
HINGES:	(3) HAGER #BB1279
KICKPLATE:	HAGER #190S 8" X DOOR WIDTH; SS FINISH
CLOSER:	NORTON #8501 DA X SNB, ALUM FINISH
DOOR STOP:	HAGER 236W CONCAVE
8. LOCK:	FALCON #D141626 SINGLE CYLINDER DEADBOLT
HINGES:	MARKAR FM100 CONTINOUS HINGE MORTISE BEARING STAINLESS, SATIN FINISH, HINGE REINFORCING REQUIRED
THRESHOLD:	HAGER #432S (½" HEIGHT MAX.)
WEATHERSTRIP:	HAGER #891, SATIN FINISH
SWEEP:	HAGER #770S, SATIN FINISH
FLOOR STOP:	HAGER#269F
DRIP CAP:	HAGER #810X46
DOOR PULL:	IVES 8102 8" DOOR PULL SATIN FINISH

GENERAL NOTES - DOOR SCHEDULE

A. ALL DOORS & DOOR HARDWARE SHALL MEET CURRENT ADA REQUIRMENTS
B. ALL GLASS SHALL BE CLEAR TEMPERED UNLESS OTHERWISE NOTED.
C. COORDINATE HARDWARE WITH SECURITY AND ELECTRICAL REQUIREMENTS FOR DOORS.
D. HARDWARE SCHEDULE HAS BEEN DEVELOPED FOR DESIGN INTENT ONLY. HARDWARE PROVIDER SHALL VERIFY THE FUNCTION AND COMPATIBILITY OF ALL COMPONENTS.
E. OWNER/CONTRACTOR TO COORDINATE DOOR HARDWARE PRIOR TO ORDERING.
F. ALL STOREFRONT DOORS SHALL BE WIDE STILE.

GLASS TYPE

GL01 IGU VISION GLASS-BASIS OF DESIGN VITRO SOLARBAN Z75/70 (2) OPTIBLUE + CLEAR IGU
GL02 NOT USED
GL03 IGU OPAQUE SPANDREL GLASS-BASIS OF DESIGN VITRO OPACI-COAT-300 #3-5323 OLD EAGLE
GL04 NOT USED
(T) TEMPERED GLASS INDICATOR

DOOR MATERIAL

ALUM	ALUMINUM
CLR	CLEAR
HM	HOLLOW METAL
PLAM	PLASTIC LAMINATE
SW	SOLID WOOD
GL	GLASS

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Seal / Signature

STATE OF MISSOURI
PAUL HAGLE
A2002001418
REGISTERED ARCHITECT

Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

WINDOW, DOOR AND FRAME TYPES, DOOR SCHEDULE

Scale

As indicated

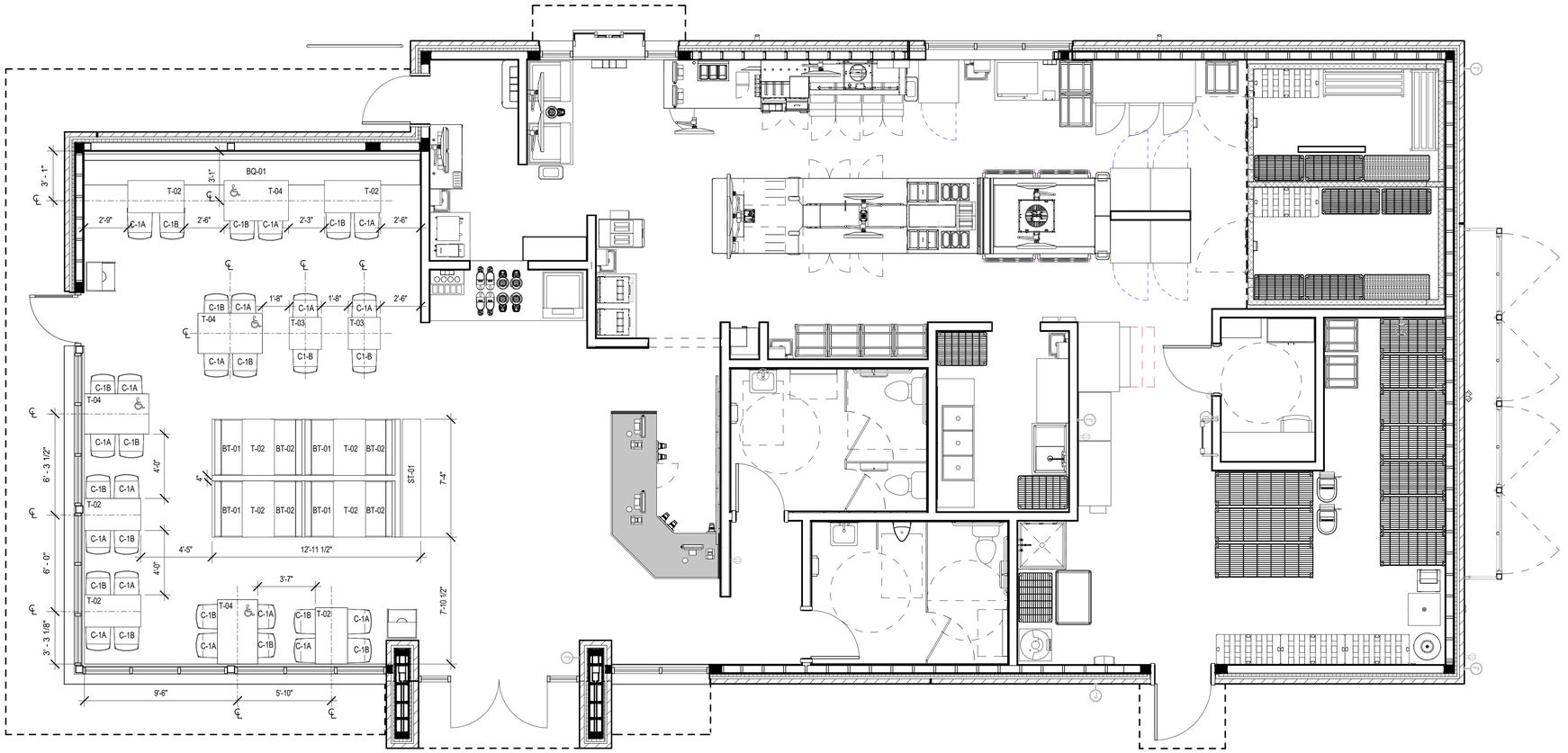
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FURNITURE LEGEND

KEY	DESCRIPTION	SIZE	NOTES
T-1	TABLE	24W X 24L X 30H	PL-2 TOP FINISH W. EB-1 EDGEBAND; WD-1 UNDERSIDE; PC-1 POST FINISH;
T-2	TABLE	24W X 42L X 30H	PL-2 TOP FINISH W. EB-1 EDGEBAND; WD-1 UNDERSIDE; PC-1 POST FINISH;
T-3	TABLE	24W X 24L X 30H	PL-3 TOP FINISH W. EB-1 EDGEBAND; WD-1 UNDERSIDE; PC-1 POST FINISH;
T-4	TABLE	30W X 48L X 30H	ADA COMPLIANT TABLES; PL-2 TOP FINISH W. EB-1 EDGEBAND; WD-1 UNDERSIDE; PC-1 POST FINISH;
BT-1	BOOTH	42"L	SINGLE BOOTH; UP-1 SEAT, UP-2 BACK,
BT-2	BOOTH	42"L	DOUBLE BOOTH; UP-1 SEAT, UP-2 BACK,
BQ-1	BANQUETTE SEATING	23'-0"	FIELD VERIFY LENGTH; UP-1 SEAT, UP-2 BACK,
BQ-2	BANQUETTE SEATING	23'-1"	FIELD VERIFY LENGTH IN FIELD; UP-1 SEAT, UP-2 BACK;
S-1A	TABLE STOOL SEATING	24" DIA. X 30"H	UP-3 SEAT, PC-1 POST FINISH
S-1B	TABLE STOOL SEATING	24" DIA. X 30"H	UP-3 SEAT, PC-1 POST FINISH
S-2A	TABLE STOOL SEATING	24" DIA. X 18"H	UP-3 SEAT, PC-1 POST FINISH
S-2B	TABLE STOOL SEATING	24" DIA. X 18"H	UP-3 SEAT, PC-1 POST FINISH
ST-1	STANDING/WAITING COUNTER	7' 4" L X 36" H	



2 FIRST FLOOR PLAN w/ FURNITURE AND EQUIPMENT
SCALE 1/4" = 1'-0"

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STATE OF MISSOURI
PAUL HAGLE
A2002001418
REGISTERED ARCHITECT

Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

OVERALL/ FURNITURE FLOOR PLAN

Scale

As indicated

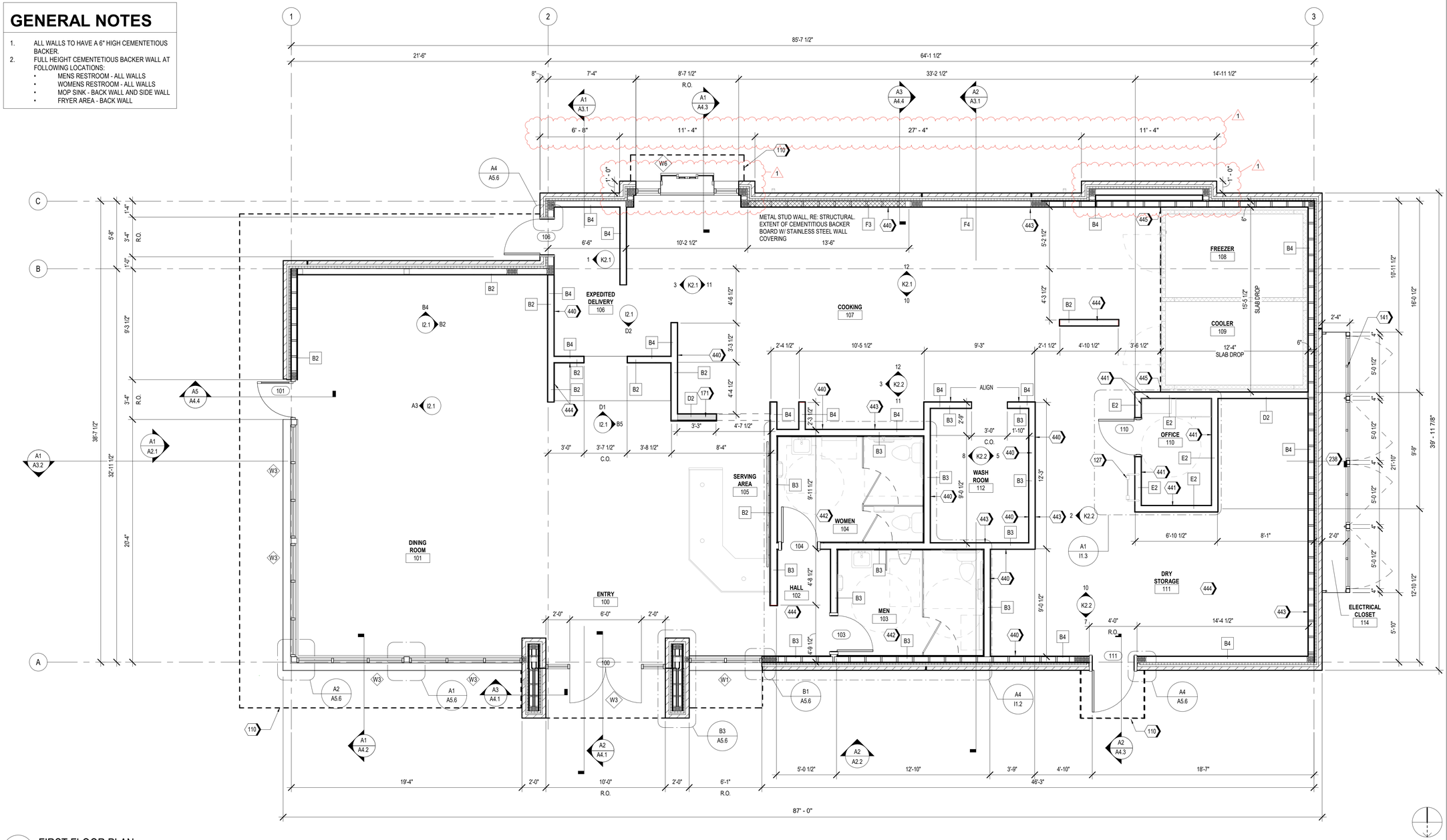
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GENERAL NOTES

1. ALL WALLS TO HAVE A 6" HIGH CEMENTETIOUS BACKER.
2. FULL HEIGHT CEMENTETIOUS BACKER WALL AT FOLLOWING LOCATIONS:
   - MENS RESTROOM - ALL WALLS
   - WOMENS RESTROOM - ALL WALLS
   - MOP SINK - BACK WALL AND SIDE WALL
   - FRYER AREA - BACK WALL



A1 FIRST FLOOR PLAN

1/4" = 1'-0"

KEYNOTES

110	CANOPY ABOVE
127	ROOF ACCESS LADDER
141	ENTERA PRE-MANUFACTURED ELECTRICAL PANEL SCREEN, BY OTHERS
171	GRAY HATCH INDICATES PARTITION TO BE COORDINATED AND INSTALLED AFTER KITCHEN EQUIPMENT INSTALLATION
238	ELECTRICAL EQUIPMENT, RE: ELECTRICAL
440	AT SINKS, DRAINS, GREASE EQUIP., WET EQUIP.: FRP OVER CEMENT BOARD TO 4'-0" A.F.F., PLYWOOD ABOVE, RE: PARTITION TYPE
441	AT OFFICE INTERIOR: FRP FULL HEIGHT OVER FULL HEIGHT B/C 5/8" PLYWOOD.
442	AT RESTROOM SIDE: TILE OVER 5/8" CEMENT BOARD, RE: RESTROOM INTERIOR ELEVATIONS
443	AT KITCHEN AREAS: FRP FULL HEIGHT OVER CONTINUOUS PLYWOOD RE: PARTITION TYPE
444	AT DRY AREAS WITHOUT SHELVING" FRP FULL HEIGHT OVER 5/8" GYPSUM BOARD.
445	PROVIDE STAINLESS STEEL CLOSURE PIECE AT EDGE OF COOLER/FREEZER TO COVER GAP.

KEYNOTES

NOTES

1. DO NOT SCALE DRAWINGS.
2. VERIFY FIELD DIMENSIONS AND INFORM OWNER OF ANY DISCREPANCIES BEFORE BEGINNING CONSTRUCTION.
3. PROVIDE AND INSTALL NEW CONSTRUCTION TO MEET APPLICABLE CODE REGULATIONS.
4. SET FINISH DOOR IN PARTITIONS MIN. 4" FROM ADJACENT, PERPENDICULAR PARTITION, UNLESS OTHERWISE NOTED.
5. DIMENSIONS NOTED AS "HOLD" INDICATE REQUIRED UNOBSTRUCTED DISTANCE FROM FINISH FACE TO FINISH FACE. DEVIATION GREATER THAN 1/4" WILL RESULT IN REJECTION OF WORK.
6. UNLESS OTHERWISE NOTED, DIMENSIONS ARE TO FACE OF STUD FRAMING.
7. CONCEALED BLOCKING IN PARTITIONS TO BE PROVIDED. LOCATIONS TO INCLUDE, BUT ARE NOT LIMITED TO, OPENED AND CLOSED SHELVING, COAT RODS AND SHELVES, CABINETRY, COUNTERS, DOOR FRAMES AND HEADERS, AND SUPPORT OF TRIM.
8. WHERE SCHEDULED PARTITION TYPE IS TO BE FINISHED WITH CERAMIC OR PORCELAIN WALL TILE OR IS TO BE LOCATED IN A WET APPLICATION AREA, OMIT GWB AND PROVIDE CEMENT BOARD TYPE PRODUCT. WHERE PARTITION TYPE IS LOCATED IN AN AREA OF HIGH HUMIDITY OR INCIDENTAL MOISTURE, PROVIDE MOISTURE-RESISTANT GYPSUM BOARD TYPE PRODUCT.
9. PARTITIONS TO BE "LEVEL 4" FINISH THROUGHOUT. PROVIDE "LEVEL 5" FINISH AT AREAS OF APPLIED VINYL GRAPHICS WHEN PRESENT AND WHERE CALLED OUT ON PLAN. ALL VINYL GRAPHICS ARE OWNER FURNISHED OWNER INSTALLED UNLESS NOTED OTHERWISE.
10. UNDERCUT AT DOORS TO BE NO LESS THAN 1/4" AND NO GREATER THAN 1/2", UNLESS SPECIFICALLY NOTED OTHERWISE FOR HVAC CONSIDERATIONS.
11. PROVIDE ADA-COMPLIANT IDENTIFICATION SIGNAGE WHERE REQUIRED BY CODE. TO INCLUDE, BUT NOT LIMITED TO, MEN'S TOILET ROOMS, WOMEN'S TOILET ROOMS, UNISEX TOILET ROOMS, MECHANICAL ROOMS, AND ELECTRICAL ROOMS. SIGNAGE TO INCORPORATE BRAILLE AND RAISED CHARACTERS AT SIGNS PLUS UNIVERSAL PICTOGRAMS AT TOILET ROOMS. COORDINATE CUSTOM BACKGROUND COLOR AND FONT STYLE WITH WHATABURGER.
12. PROVIDE CONTROL JOINTS IN GWB FACES, TAPED AND SPACKLED SMOOTH. FULLY FINISH TO MATCH ADJACENT SURFACE. FOR VERTICAL PARTITION SURFACES, PROVIDE CONTROL JOINTS EQUALLY SPACED NOT MORE THAN 30 FEET ON CENTER. FOR HORIZONTAL CEILING SURFACES, PROVIDE CONTROL JOINTS EQUALLY SPACED NOT MORE THAN 50 FEET ON CENTER. FOR SURFACES, WHERE NEW CONSTRUCTION CROSSES OR INTERSECT WITH BASE BUILDING CONSTRUCTION CONTROL JOINTS IN FLOOR SLABS OR VERTICAL CONSTRUCTION, PROVIDE NEW CONTROL JOINTS TO ALIGN WITH EXISTING.
13. FOR WINDOW TYPES REFER TO SHEET A0.3
14. FOR PARTITION TYPES REFER TO SHEET A5.5

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PAUL F. HAGLE
A2002001418
REGISTERED ARCHITECT

Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

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Description

CONSTRUCTION FLOOR PLAN

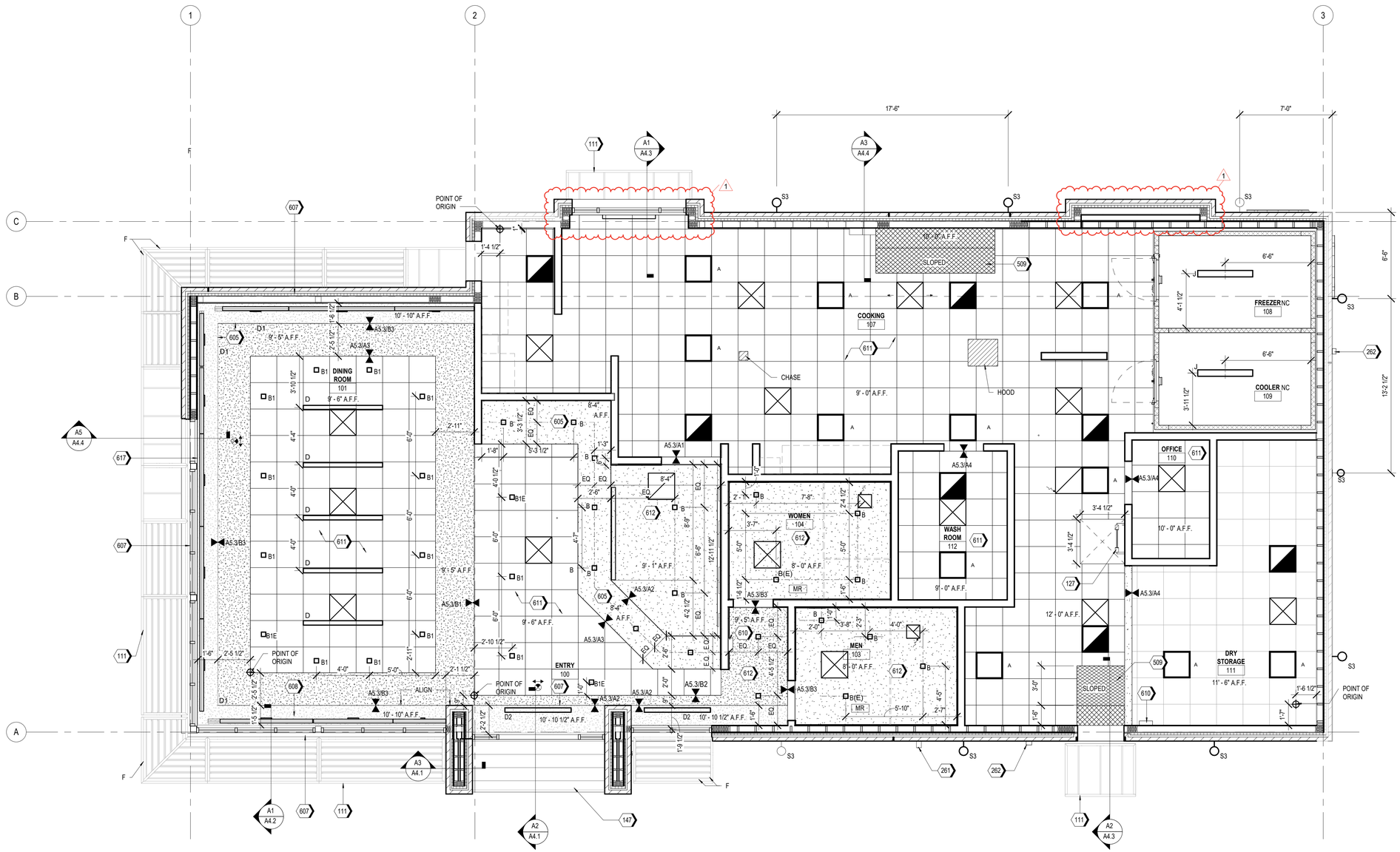
Scale

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RCP LEGEND

- 2' X 2' SUSPENDED ACOUSTIC CEILING TILE
- GYPSUM BOARD CEILING
- MR - MOISTURE RESISTANT GYPSUM BOARD CEILING
- PRE-FINISHED METAL SOFFIT
- FRP CEILING
- SUPPLY AIR DIFFUSER
- LINEAR SUPPLY AIR DIFFUSER
- EXHAUST AIR GRILL
- CEILING MOUNT SPEAKER/STROBE
- NC NO CEILING
- CEILING GRID ORIGIN FOR LAYOUT
- OS OCCUPANCY SENSOR
- RETURN AIR GRILL

KEYNOTES

111	ENTERA PRE-MANUFACTURED CANOPY, BY OTHERS
127	ROOF ACCESS LADDER
147	ENTERA PRE-MANUFACTURED SOFFIT AND LIGHTING FIXTURES, BY OTHERS
261	SECURITY CAMERA
262	WIRELESS ACCESS POINT
509	FRP AT VERTICAL AND HORIZONTAL FACE OF SOFFIT
605	HORIZONTAL AND VERTICAL SURFACES OF SOFFIT TO BE PAINTED PT-2 UNLESS NOTED OTHERWISE
607	VERTICAL FACE OF BULKHEAD TO BE PAINTED PT-4.
608	PREFABRICATED ENTERA ACM SOFFIT AT PERIMETER WITH SLOT DIFFUSERS AND LIGHTS, BY OTHERS
610	BLUE (BUG) LIGHT, RE: ELECTRICAL
611	24 X 24 LAY-IN CEILING, RE: FINISH SCHEDULE, I0.11
612	HORIZONTAL SURFACE OF CEILING TO BE PAINTED PT-1.
617	LINE OF VERTICAL FACE OF GWB ABOVE CEILING. REFER TO ARCHITECTURAL CEILING DETAILS, ELECTRICAL DRAWINGS AND MECHANICAL DRAWINGS FOR INFORMATION ON LIGHT FIXTURE AND DIFFUSER LOCATIONS.

KEYNOTES

NOTES

1. VERIFY EXTENT AND TYPE OF EXIT AND EMERGENCY LIGHTING REQUIREMENTS AS REQUIRED BY APPLICABLE CODES.
2. CEILINGS IN AREAS UNDER CONTRACT TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS' SPECIFICATIONS, LOCAL BUILDING CODES AND OTHER APPLICABLE CODES. PROVIDE LATERAL BRACING AS REQUIRED.
3. VERIFY CEILING HEIGHTS AND CEILING PLENUM CLEARANCES TO ASSURE FINISHED CEILING HEIGHTS CALLED OUT ON DRAWINGS. DISCREPANCIES SHALL BE BROUGHT TO OWNER'S ATTENTION IMMEDIATELY, PRIOR TO COMMENCEMENT OF WORK.
4. CONFLICTS OR DISCREPANCIES AMONG FIXTURES, FIRE AND SMOKE DETECTION DEVICES, HVAC OR OTHER CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF OWNERS FOR CLARIFICATION.
5. DIMENSIONS ARE TO CENTERLINE OF FIXTURE, UNLESS OTHERWISE NOTED.
6. MOUNT LIGHT SWITCHES AT 42" ABOVE FINISH FLOOR TO CENTER LINE OF SWITCH. LOCATE 6" FROM HANDSET SIDE OF DOOR FRAME.
7. WHEN MORE THAN ONE LIGHT SWITCH OR CONTROL SWITCH OCCURS IN ONE LOCATION, GANG SWITCHES TOGETHER AND PROVIDE A COMMON SWITCH PLATE COVER.
8. CEILING GRIDS TO BE CENTERED IN SPACES WITH EQUAL TILES AT OPPOSITE SIDES AS SHOWN UNLESS OTHERWISE NOTED.
9. CEILING FIXTURES TO BE CENTERED ON LAY-IN PANELS IN SUSPENDED CEILING AREAS AS SHOWN, UNLESS OTHERWISE NOTED.
10. PROVIDE ADDITIONAL BLOCKING AND/OR ANCHORING ABOVE CEILINGS FOR SUPPORT OF LIGHT FIXTURES AND CEILING SUPPORTED EQUIPMENT.
11. LINEAR DIFFUSERS TO ALIGN WITH ADJACENT LIGHT FIXTURES OR CEILING FEATURES. PROVIDE DUMMY GRILLES AS REQUIRED TO YIELD CONTINUOUS APPEARANCE. FINISH INSIDE OF ACTIVE AND DUMMY GRILLES AND ANY DUCTWORK OR FRAMING IN VIEW FROM BELOW MATTE BLACK.
12. VERIFY ACCESS PANEL LOCATIONS WITH ARCHITECT PRIOR TO LAYOUT OF WORK REQUIRING ACCESS.
13. SPRAY FOAM FILL AT EVERY CEILING TILE AND ROOF PENETRATION.

LIGHT FIXTURE SCHEDULE

A		2'X2' LED LAY-IN (E) DESIGNATES EMERGENCY LIGHT	E		BACK OF HOUSE LED SHOPLIGHT SUSPEND FROM STRUCTUE ABOVE BY CHAINS
B		4" RECESSED SQUARE INTERIOR LED DOWNLIGHT (E) DESIGNATES EMERGENCY LIGHT	F		LED FLEXIBLE LINEAR LIGHT STRIP BY ENTERA
B1		4" ADJUSTABLE OPEN REFLECTOR WALL WASHER (E) DESIGNATES EMERGENCY LIGHT	J		LINEAR LIGHT STRIP (PROVIDED BY WALK-IN SUPPLIER)
D		LINEAR RECESSED STRIP LIGHT	S3		FACADE EXTERIOR WALL PACK
D1		2' X 2' 90 DEGREE GDI CORNER	S4		METAL WALL PANEL ROOF ENCLOSURE LIGHT FIXTURE
D2		9' LINEAR RECESSED STRIP LIGHT	S6		4" RECESSED SQUARE LED DOWNLIGHT CLEAR, SEMI-SPECULAR REFLECTOR (E) DESIGNATES EMERGENCY LIGHT
D3		11' LINEAR RECESSED STRIP LIGHT			

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Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

REFLECTED CEILING PLAN

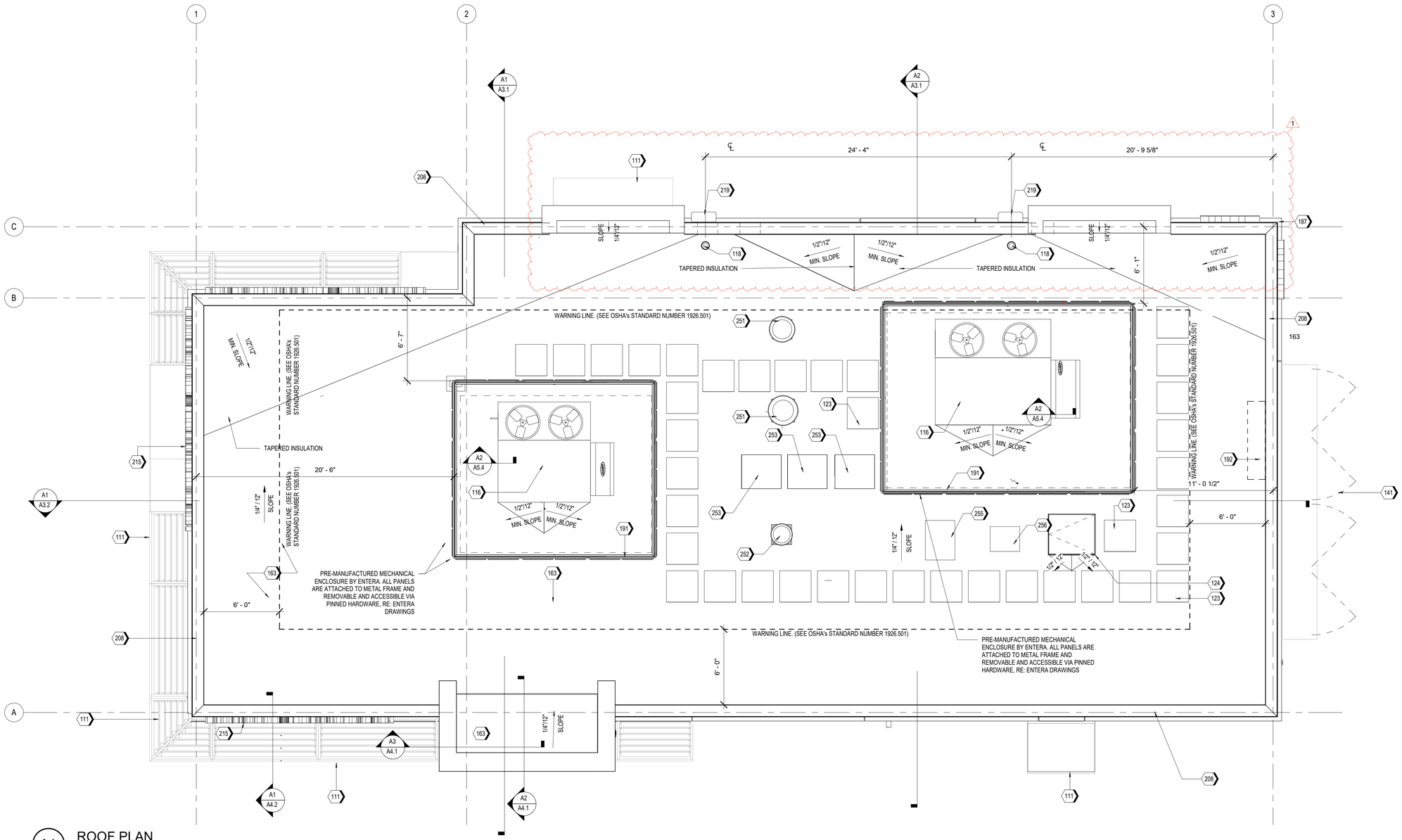
Scale

As indicated

A1.3

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A1 ROOF PLAN
SCALE 1/4" = 1'-0"

KEYNOTES

111	ENTERA PRE-MANUFACTURED CANOPY, BY OTHERS
116	RTU, RE: MECHANICAL
118	INTERNAL ROOF DRAIN
123	WALK PAD, TYP.
124	ROOF HATCH
141	ENTERA PRE-MANUFACTURED ELECTRICAL PANEL SCREEN, BY OTHERS
163	TPO MEMBRANE ROOFING SYSTEM; RE: A4/A5.4
187	BRICK SILL BELOW
191	ENTERA PRE-MANUFACTURED ROOF SCREEN, BY OTHERS
192	ANTENNA TO BE LOCATED WITHIN 12"-24" OF PARAPET WALL ABOVE THE IT LOCATION (IN THE MANAGERS OFFICE), RE:D2/A5.1 & RE: ELECTRICAL
208	MC-01; PRE-FINISHED METAL COPING
215	ILLUMINATED SIGNAGE BY OTHERS, G.C. TO PROVIDE PLYWOOD BLOCKING AS NEEDED TO ATTACH SIGNAGE
219	OVERFLOW SCUPPER
251	CENTRIFUGAL UPBLAST GREASE HOOD EXHAUST FAN MOUNTED ON MANUFACTURER PROVIDED ROOF CURB, RE: A2/M5.1
252	CENTRIFUGAL DOWNBLAST EXHAUST FAN MOUNTED ON MANUFACTURER PROVIDED ROOF CURB, RE: A1/M5.1

KEYNOTES

253	KITCHEN ICEMAKER CONDENSING UNIT MOUNTED ON ROOFTOP, PROVIDED BY OWNER, COORDINATE EXACT LOCATION ON SITE AND ROUTE REFRIGERANT PIPING THROUGH ROOF PENETRATION (BY OTHERS)
255	KITCHEN FREEZER CONDENSING UNIT MOUNTED ON ROOFTOP; PROVIDED BY OWNER, COORDINATE EXACT LOCATION ON SITE AND ROUTE REFRIGERANT PIPING THROUGH ROOF PENETRATION (BY OTHERS)
256	KITCHEN REFRIGERATOR CONDENSING UNIT MOUNTED ON ROOFTOP; PROVIDED BY OWNER, COORDINATE EXACT LOCATION ON SITE AND ROUTE REFRIGERANT PIPING THROUGH ROOF PENETRATION (BY OTHERS)

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PAUL HAGLE
A2002001418
REGISTERED ARCHITECT

Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

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Description

ROOF PLAN

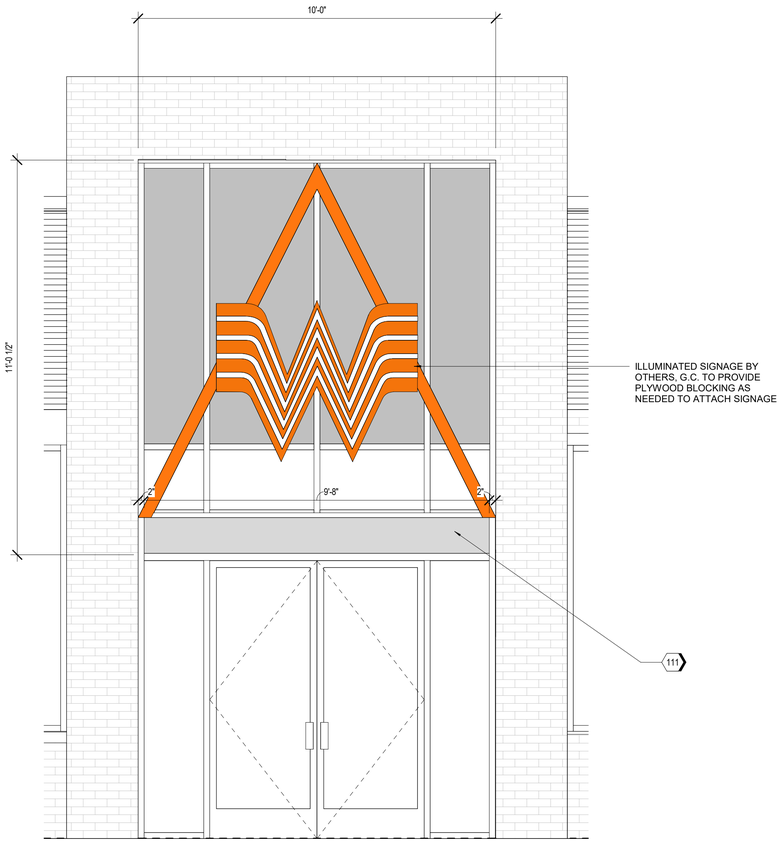
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1/4" = 1'-0"

A1.4

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* REFER TO ENTERA, SHEET PF1.09

1 FRONT ELEVATION @ PORTAL ENTRY
1/2" = 1'-0"

KEYNOTES

111	ENTERA PRE-MANUFACTURED CANOPY, BY OTHERS

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240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

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Description

ENTRY PORTAL

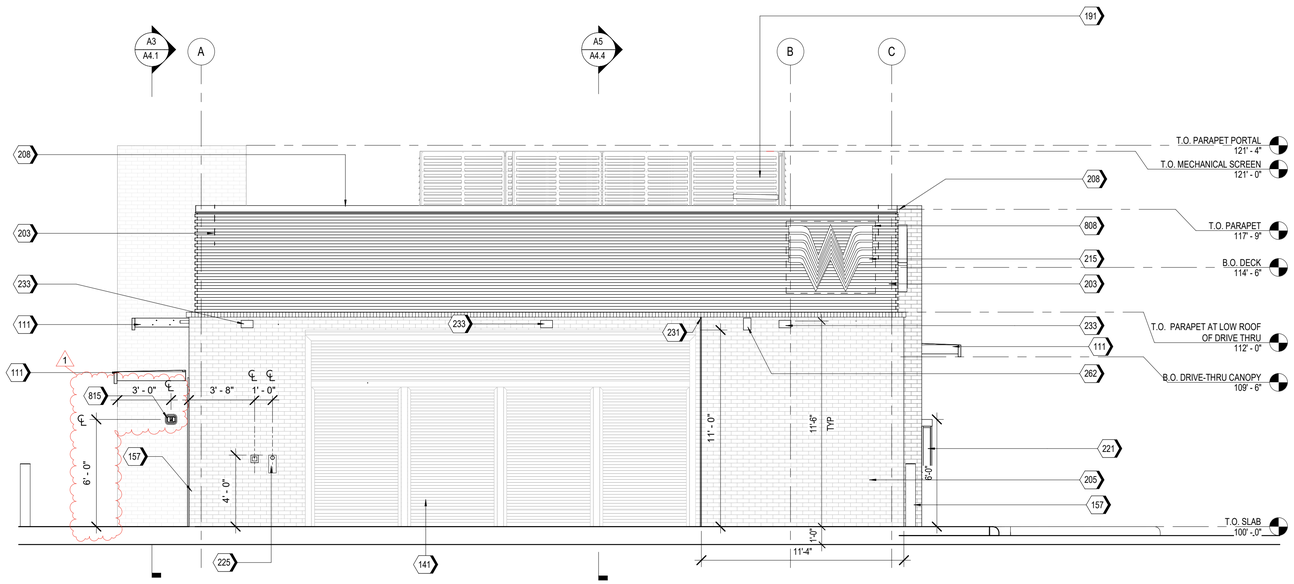
Scale

1/2" = 1'-0"

A1.6

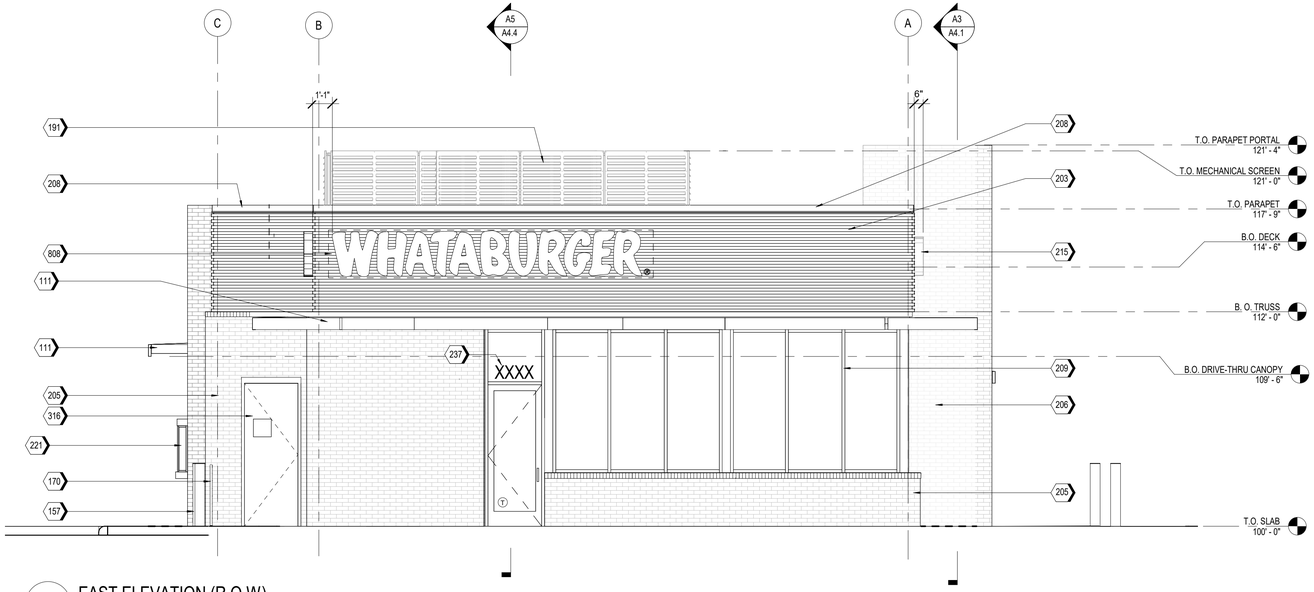
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A2 WEST ELEVATION

1/4" = 1'-0"



A1 EAST ELEVATION (R.O.W)

1/4" = 1'-0"

KEYNOTES

111	ENTERA PRE-MANUFACTURED CANOPY, BY OTHERS
141	ENTERA PRE-MANUFACTURED ELECTRICAL PANEL SCREEN, BY OTHERS
157	PIPE BOLLARDS: IDEAL SHIELD. RE: SPECIFICATIONS. 402 GRAY, PANTONE 402C. RE D3/S5.1
170	ENTERA PRE-MANUFACTURED GUARDRAIL, BY OTHERS. RE:B4/A0.1
191	ENTERA PRE-MANUFACTURED ROOF SCREEN, BY OTHERS
203	MP-01; PRE-FINISHED CORRUGATED METAL PANEL
205	BR-01; BRICK VENEER
206	BR-02; BRICK VENEER
208	MC-01; PRE-FINISHED METAL COPING
209	SS-01; ALUMINUM STOREFRONT SYSTEM
215	ILLUMINATED SIGNAGE BY OTHERS, G.C. TO PROVIDE PLYWOOD BLOCKING AS NEEDED TO ATTACH SIGNAGE
221	DRIVE-THRU WINDOW
225	STAINLESS STEEL GREASE SHIELD W/ 2 1/2" HOLE THROUGH WALL FOR GREASE TANK
231	MASONRY EXPANSION CONTROL JOINT
233	EXTERIOR LIGHT FIXTURE, RE: ELECTRICAL. RE: A1.3 FOR DIMENSIONS

KEYNOTES

237	BUILDING ADDRESS 6"HIGH WHITE VINYL NUMBERS WITH 1" STROKE, 10' A.F.G.
262	WIRELESS ACCESS POINT
316	AIR AND WATER BARRIER
808	PROVIDE BLOCKING FOR SIGNAGE AS REQUIRED
815	GENERAL CONTRACTOR SHALL PROVIDE A KNOX BOX PER JURISDICTIONAL REQUIREMENTS; LOCATION TO BE VERIFIED PRIOR TO CONSTRUCTION

1

NOTES

1. EXTERIOR SIGNAGE TO BE PERMITED UNDER A SEPARATE SIGN PERMIT SET.

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A2002001418
REGISTERED ARCHITECT

Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

EXTERIOR ELEVATIONS

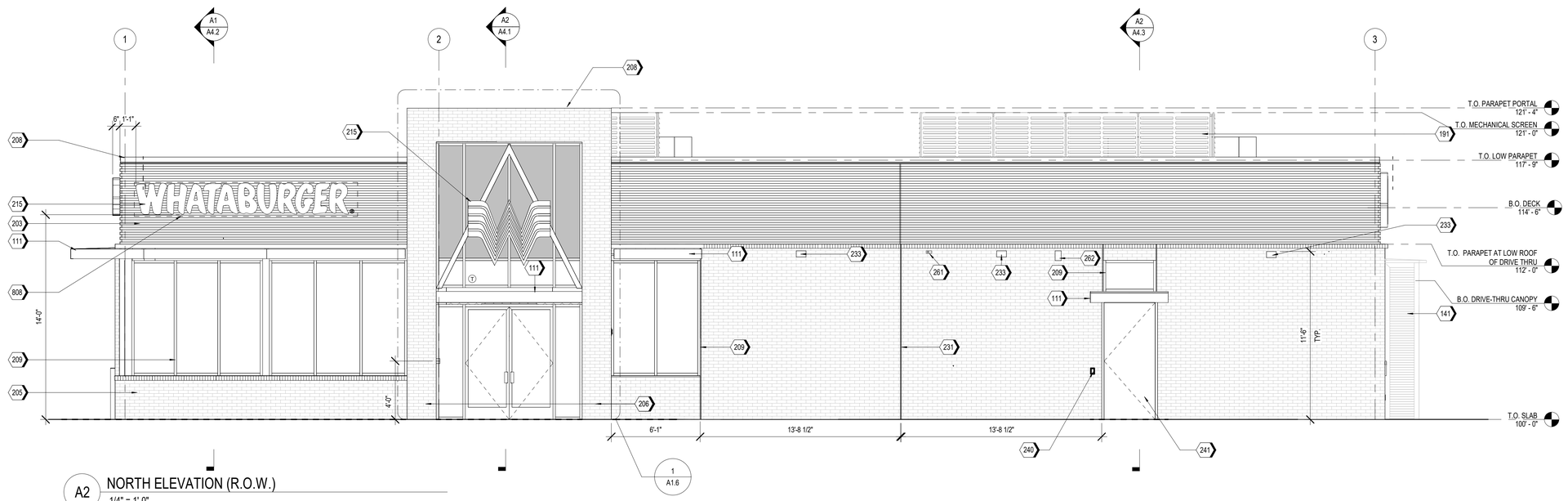
Scale

As indicated

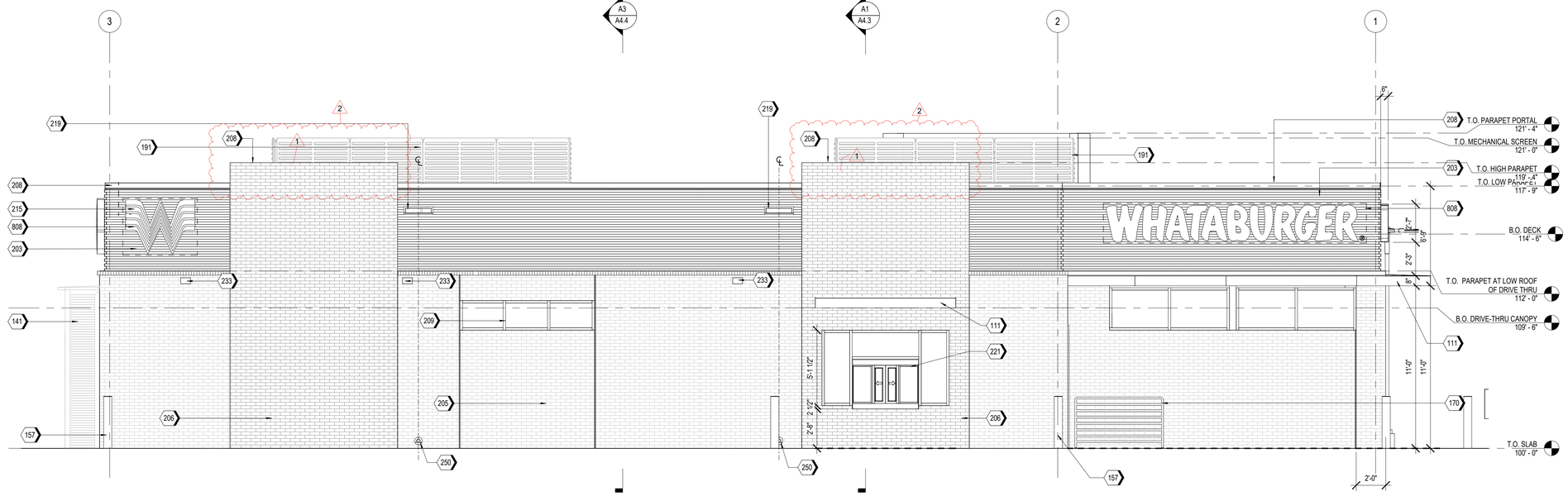
A2.1

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A2 NORTH ELEVATION (R.O.W.)
1/4" = 1'-0"



A1 SOUTH ELEVATION
1/4" = 1'-0"

KEYNOTES

111	ENTERA PRE-MANUFACTURED CANOPY, BY OTHERS
141	ENTERA PRE-MANUFACTURED ELECTRICAL PANEL SCREEN, BY OTHERS
157	PIPE BOLLARDS: IDEAL SHIELD. RE: SPECIFICATIONS. 402 GRAY, PANTONE 402C. RE D3/SS.1
170	ENTERA PRE-MANUFACTURED GUARDRAIL, BY OTHERS. RE:B4/A0.1
191	ENTERA PRE-MANUFACTURED ROOF SCREEN, BY OTHERS
203	MP-01; PRE-FINISHED CORRUGATED METAL PANEL
205	BR-01; BRICK VENEER
206	BR-02; BRICK VENEER
208	MC-01; PRE-FINISHED METAL COPING
209	SS-01; ALUMINUM STOREFRONT SYSTEM
215	ILLUMINATED SIGNAGE BY OTHERS, G.C. TO PROVIDE PLYWOOD BLOCKING AS NEEDED TO ATTACH SIGNAGE
219	OVERFLOW SCUPPER
221	DRIVE-THRU WINDOW
231	MASONRY EXPANSION CONTROL JOINT
233	EXTERIOR LIGHT FIXTURE, RE: ELECTRICAL. RE: A1.3 FOR DIMENSIONS
240	DOOR BUZZER
241	PAINT (PT-5) EXTERIOR DOORS.

KEYNOTES

250	DOWNSPOUT NOZZLE 6 INCHES ABOVE INTERIOR FINISH FLOOR
261	SECURITY CAMERA
262	WIRELESS ACCESS POINT
808	PROVIDE BLOCKING FOR SIGNAGE AS REQUIRED

NOTES

1. EXTERIOR SIGNAGE TO BE PERMITED UNDER A SEPARATE SIGN PERMIT SET.

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EXTERIOR ELEVATIONS

Scale

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A2.2

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Description

EXTERIOR RENDERINGS

Scale

A2.3

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EXTERIOR RENDERINGS

Scale

A2.4

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Description

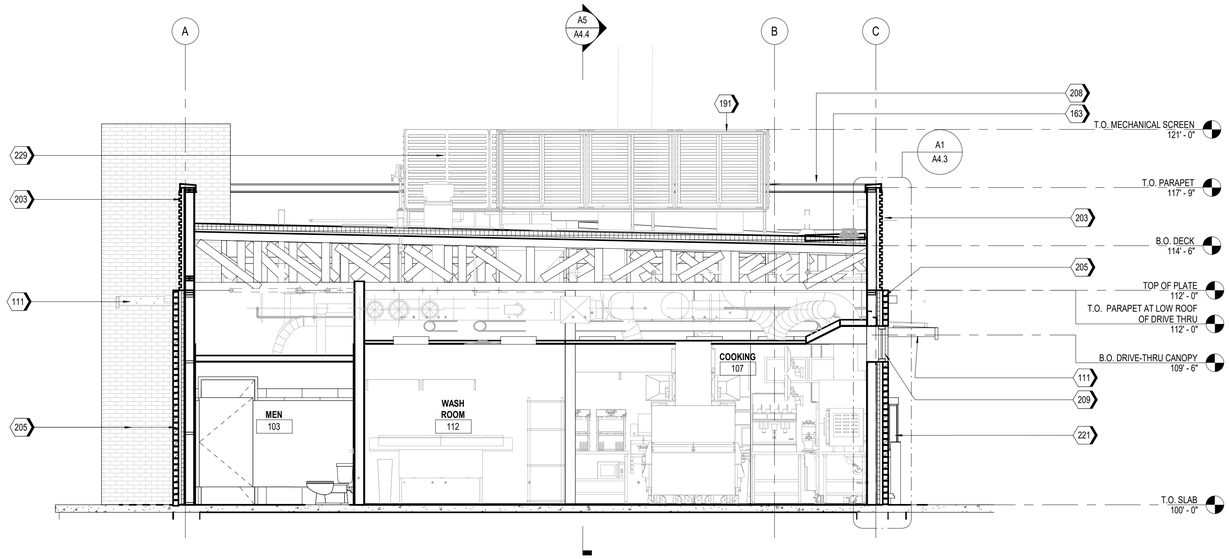
EXTERIOR RENDERINGS

Scale

A2.5

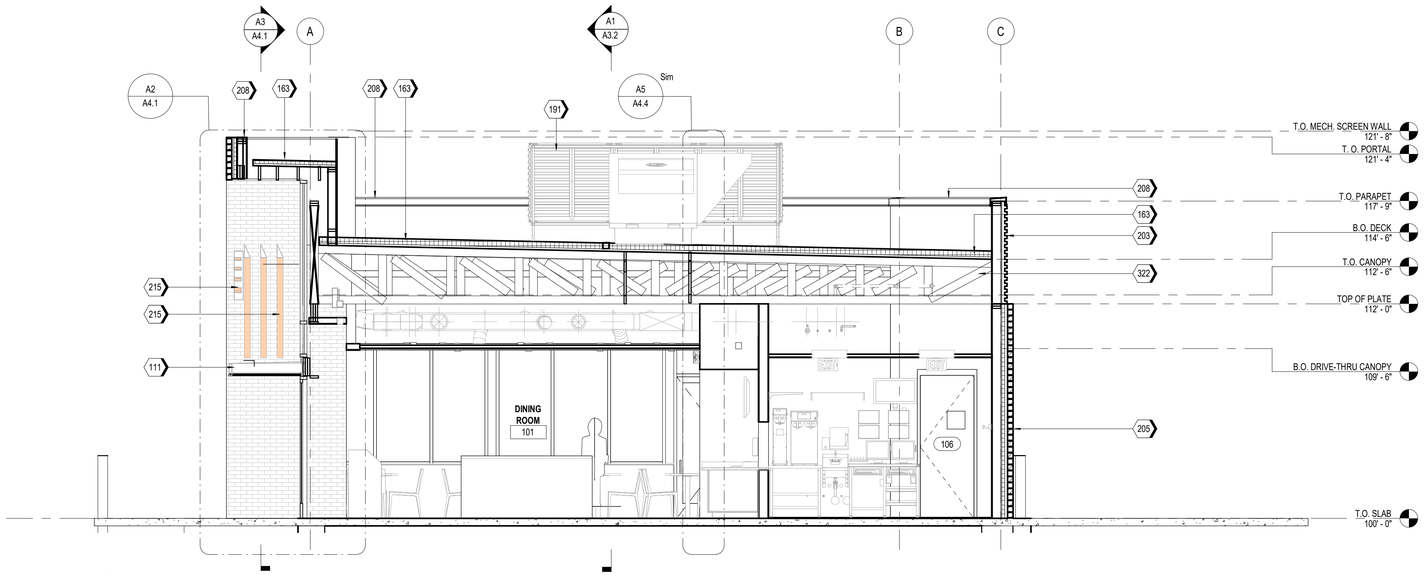
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A2 TRANSVERSE SECTION 2

SCALE 1/4" = 1'-0"



A1 TRANSVERSE SECTION

SCALE 1/4" = 1'-0"

KEYNOTES

KEYNOTES

111	ENTERA PRE-MANUFACTURED CANOPY, BY OTHERS
163	TPO MEMBRANE ROOFING SYSTEM; RE: A4/A5.4
191	ENTERA PRE-MANUFACTURED ROOF SCREEN, BY OTHERS
203	MP-01; PRE-FINISHED CORRUGATED METAL PANEL
205	BR-01; BRICK VENEER
206	BR-02; BRICK VENEER
208	MC-01; PRE-FINISHED METAL COPING
209	SS-01; ALUMINUM STOREFRONT SYSTEM
215	ILLUMINATED SIGNAGE BY OTHERS, G.C. TO PROVIDE PLYWOOD BLOCKING AS NEEDED TO ATTACH SIGNAGE
221	DRIVE-THRU WINDOW
229	MP-03; ROOF SCREEN WALL & SUPPORTS, RE: STRUCTURAL
322	WOOD TRUSSES, RE: STRUCTURAL

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A2002001418
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Project Number

122.0088.470

Description

BUILDING SECTIONS

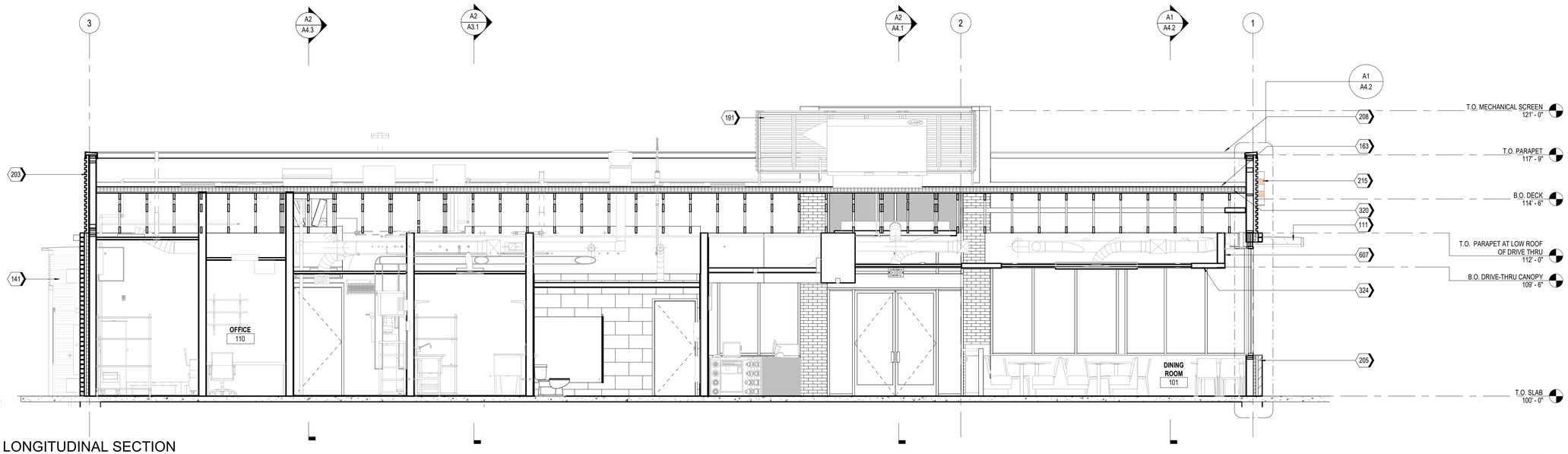
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1/4" = 1'-0"

A3.1

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A1 LONGITUDINAL SECTION

SCALE 1/4" = 1'-0"

KEYNOTES

KEYNOTES

111	ENTERA PRE-MANUFACTURED CANOPY, BY OTHERS
141	ENTERA PRE-MANUFACTURED ELECTRICAL PANEL SCREEN, BY OTHERS
163	TPO MEMBRANE ROOFING SYSTEM; RE: A4/A5.4
191	ENTERA PRE-MANUFACTURED ROOF SCREEN, BY OTHERS
203	MP-01; PRE-FINISHED CORRUGATED METAL PANEL
205	BR-01; BRICK VENEER
208	MC-01; PRE-FINISHED METAL COPING
215	ILLUMINATED SIGNAGE BY OTHERS, G.C. TO PROVIDE PLYWOOD BLOCKING AS NEEDED TO ATTACH SIGNAGE
320	RIGID INSULATION
324	CEILING AS SCHEDULED, RE: A1.3
607	VERTICAL FACE OF BULKHEAD TO BE PAINTED PT-4.

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PAUL HAGLE
A2002001418
REGISTERED ARCHITECT

Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

BUILDING SECTIONS

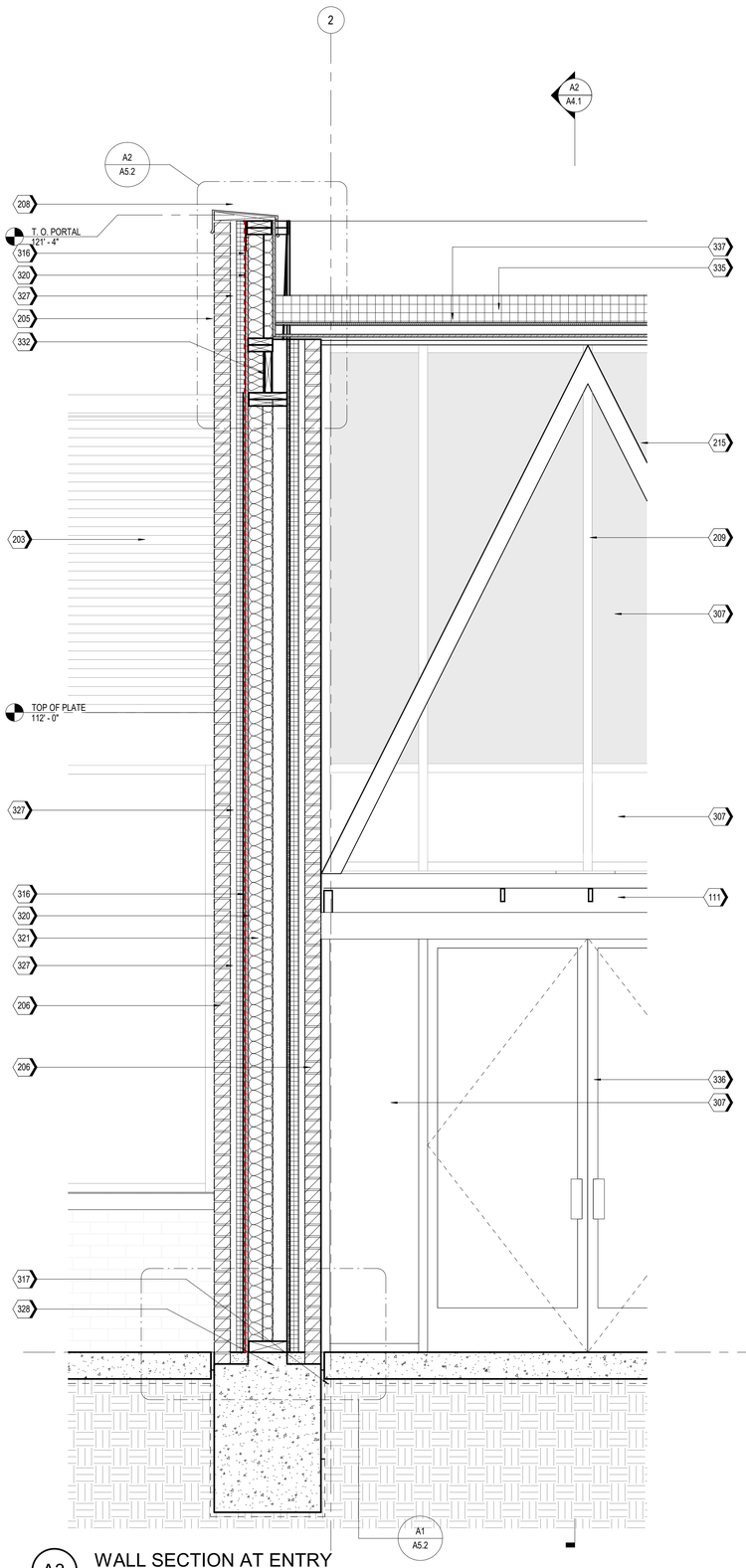
Scale

1/4" = 1'-0"

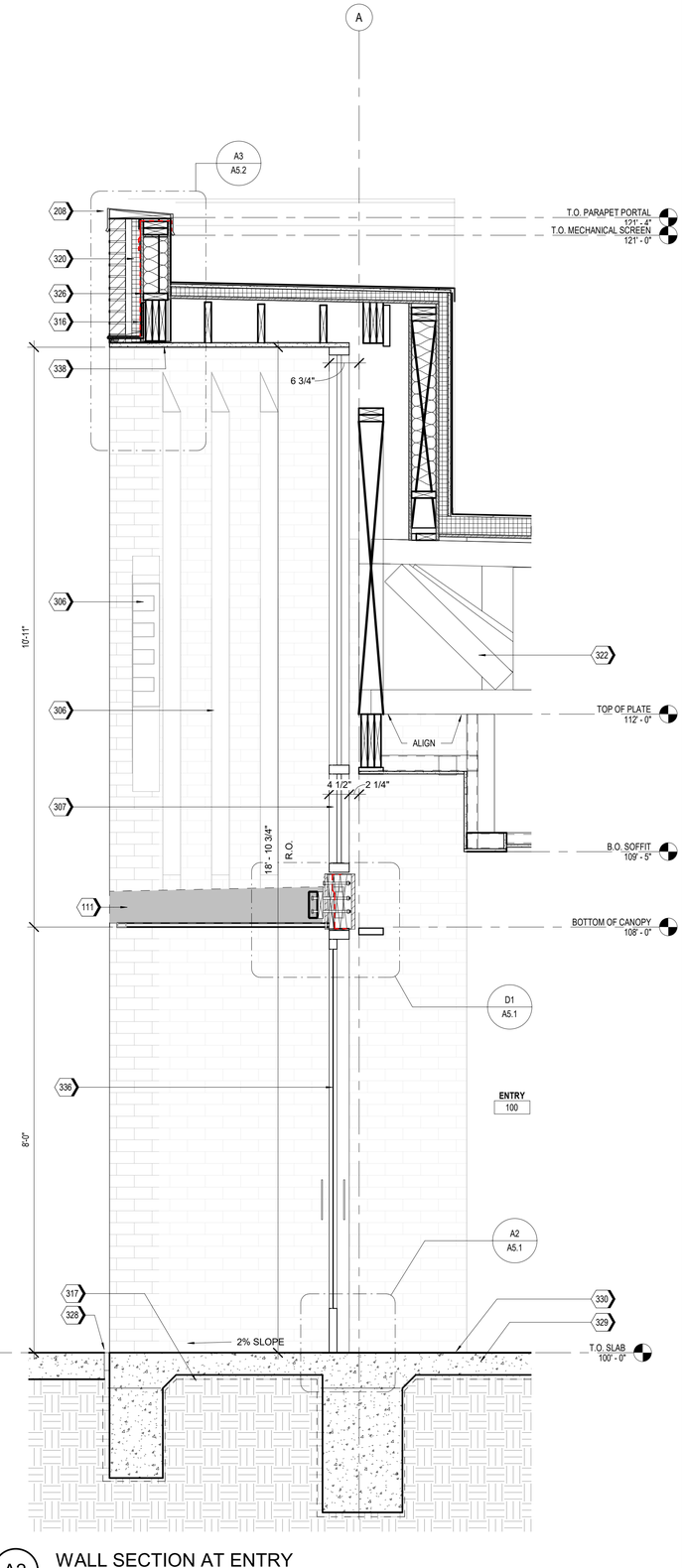
A3.2

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A3 WALL SECTION AT ENTRY
SCALE 3/4" = 1'-0"



A2 WALL SECTION AT ENTRY
SCALE 3/4" = 1'-0"

KEYNOTES

111	ENTERA PRE-MANUFACTURED CANOPY, BY OTHERS
203	MP-01; PRE-FINISHED CORRUGATED METAL PANEL
205	BR-01; BRICK VENEER
206	BR-02; BRICK VENEER
208	MC-01; PRE-FINISHED METAL COPING
209	SS-01; ALUMINUM STOREFRONT SYSTEM
215	ILLUMINATED SIGNAGE BY OTHERS, G.C. TO PROVIDE PLYWOOD BLOCKING AS NEEDED TO ATTACH SIGNAGE
306	ILLUMINATED SIGNAGE BY OTHERS, G.C. TO PROVIDE PLYWOOD BLOCKING AS NEEDED TO ATTACH SIGNAGE
307	WINDOW AS SCHEDULED
316	AIR AND WATER BARRIER
317	VAPOR RETARDER
320	RIGID INSULATION
321	UNFACED BATT INSULATION
322	WOOD TRUSSES, RE: STRUCTURAL
326	PLYWOOD SHEATHING, RE: STRUCTURAL
327	AIR SPACE
328	PAVING, RE: CIVIL
329	RE-INFORCED CONCRETE FOUNDATION, RE: STRUCTURAL
330	FLOORING AS SCHEDULED, RE: I0.1

KEYNOTES

332	2 X WOOD FRAMING, RE: STRUCTURAL
335	PLYWOOD DECK, RE: STRUCTURAL
336	DOOR AS SCHEDULED, RE: A0.3
337	TAPERED RIGID INSULATION
338	METAL SOFFIT (MS-01)

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PAUL D. HAGLE
A2002001418
REGISTERED ARCHITECT

Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

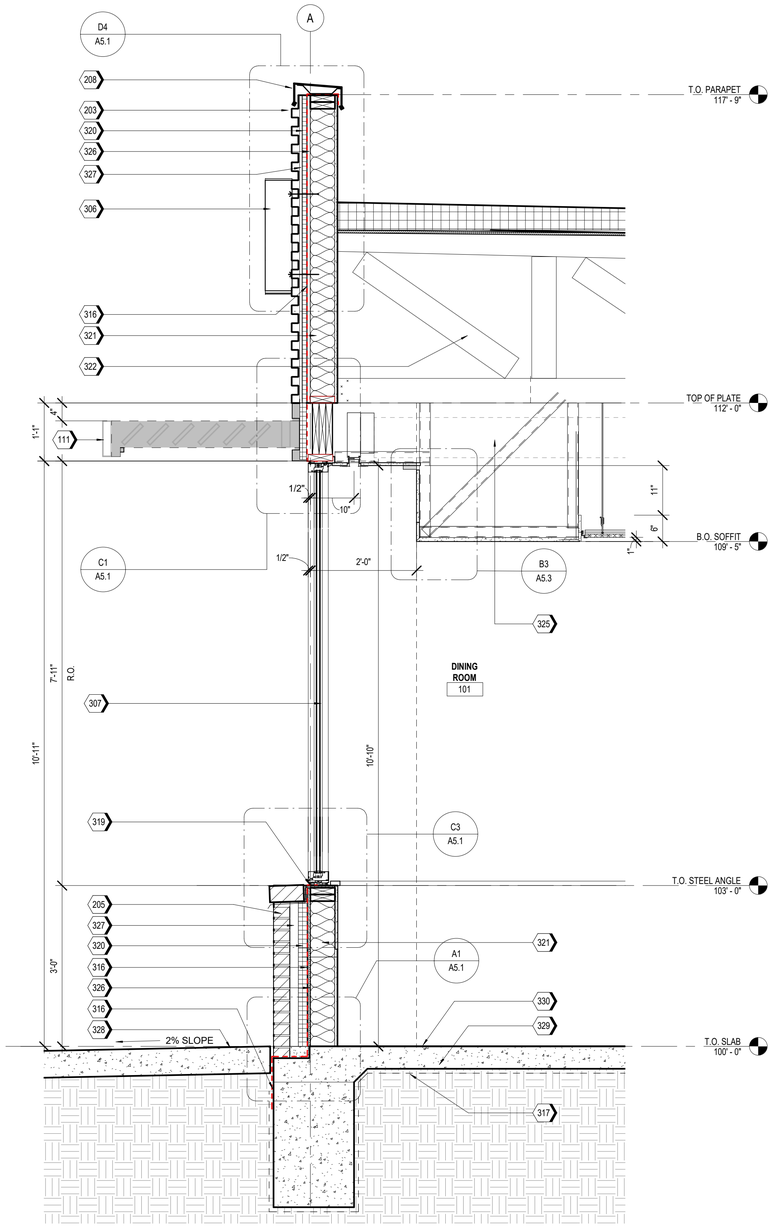
WALL SECTIONS

Scale

3/4" = 1'-0"

A4.1

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A1 WALL SECTION AT DINING ROOM

SCALE 3/4" = 1'-0"

KEYNOTES

111	ENTERA PRE-MANUFACTURED CANOPY, BY OTHERS
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205	BR-01; BRICK VENEER
208	MC-01; PRE-FINISHED METAL COPING
306	ILLUMINATED SIGNAGE BY OTHERS, G.C. TO PROVIDE PLYWOOD BLOCKING AS NEEDED TO ATTACH SIGNAGE
307	WINDOW AS SCHEDULED
316	AIR AND WATER BARRIER
317	VAPOR RETARDER
319	WINDOW SILL (SS-3)
320	RIGID INSULATION
321	UNFACED BATT INSULATION
322	WOOD TRUSSES, RE: STRUCTURAL
325	MECHANICAL DUCTWORK, RE: MEP
326	PLYWOOD SHEATHING, RE: STRUCTURAL
327	AIR SPACE
328	PAVING, RE: CIVIL
329	RE-INFORCED CONCRETE FOUNDATION, RE: STRUCTURAL

KEYNOTES

330	FLOORING AS SCHEDULED, RE: I0.1

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Project Number

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Description

WALL SECTIONS

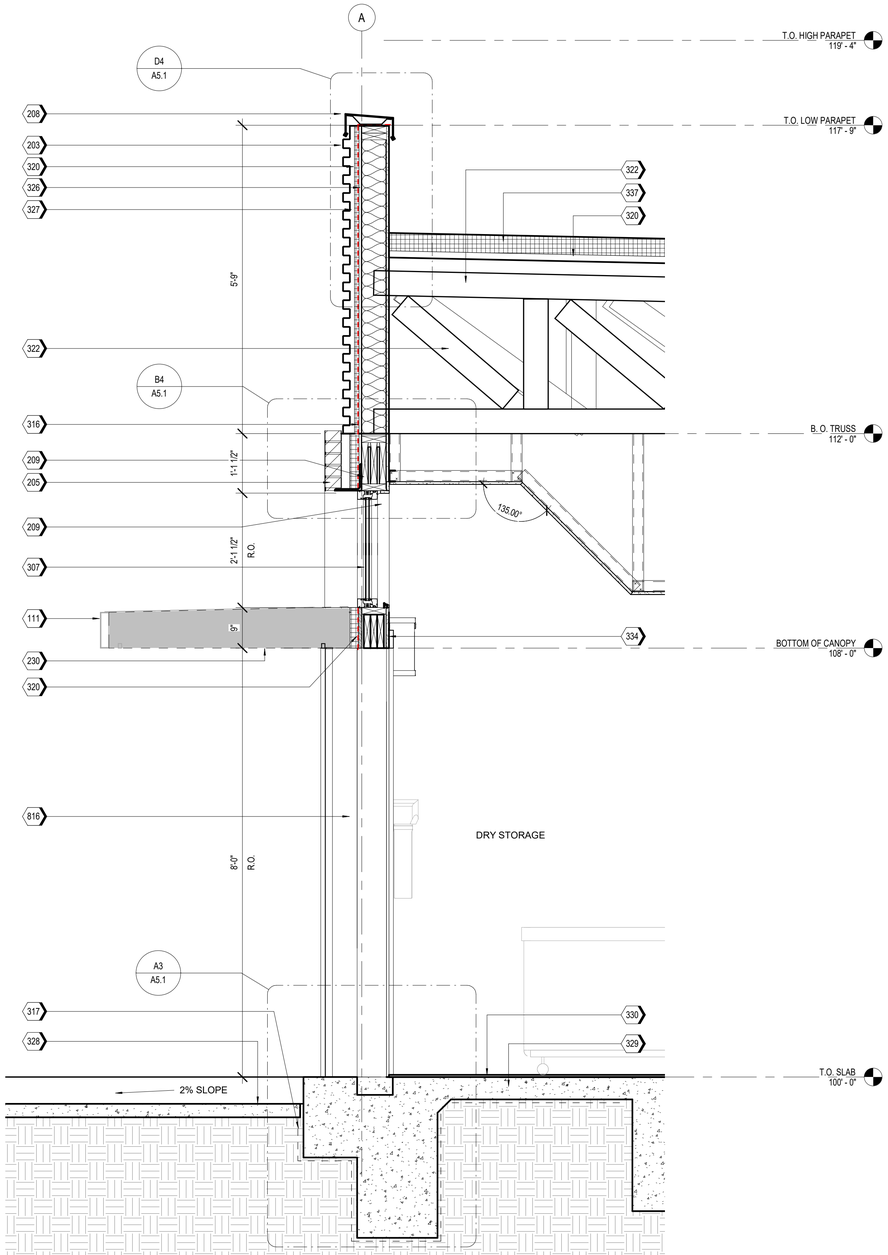
Scale

3/4" = 1'-0"

A4.2

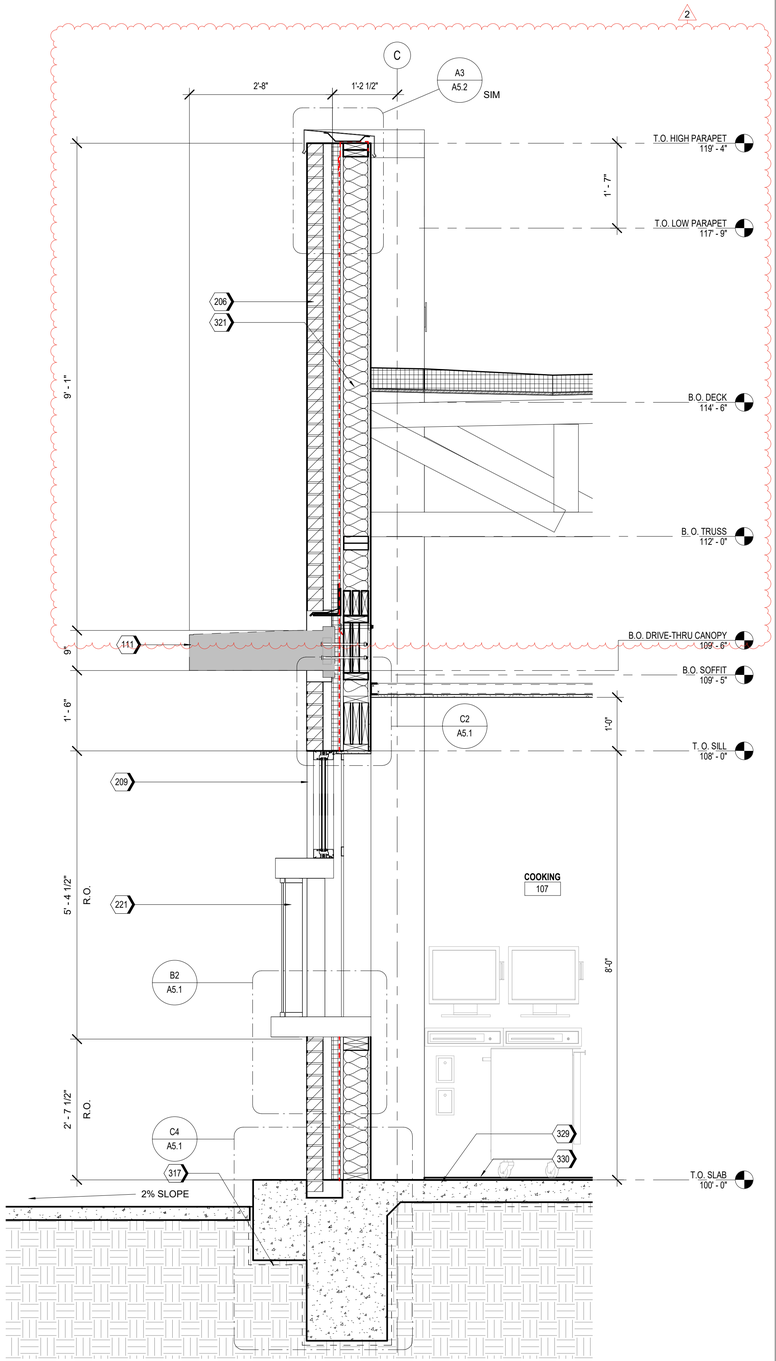
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A2 WALL SECTION AT DRY STORAGE

SCALE 3/4" = 1'-0"



A1 WALL SECTION AT DRIVE-THRU

SCALE 3/4" = 1'-0"

KEYNOTES

111	ENTERA PRE-MANUFACTURED CANOPY, BY OTHERS
203	MP-01; PRE-FINISHED CORRUGATED METAL PANEL
205	BR-01; BRICK VENEER
206	BR-02; BRICK VENEER
208	MC-01; PRE-FINISHED METAL COPING
209	SS-01; ALUMINUM STOREFRONT SYSTEM
221	DRIVE-THRU WINDOW
230	LED FLEXIBLE LINEAR LIGHT STRIP
307	WINDOW AS SCHEDULED
316	AIR AND WATER BARRIER
317	VAPOR RETARDER

KEYNOTES

320	RIGID INSULATION
321	UNFACED BATT INSULATION
322	WOOD TRUSSES, RE: STRUCTURAL
326	PLYWOOD SHEATHING, RE: STRUCTURAL
327	AIR SPACE
328	PAVING, RE: CIVIL
329	RE-INFORCED CONCRETE FOUNDATION, RE: STRUCTURAL
330	FLOORING AS SCHEDULED, RE: I0.1
334	PAINTED GYP. BD., RE: FINISH SCHEDULE I0.1
337	TAPERED RIGID INSULATION
816	DOOR ASSEMBLY AT SECTION CUT

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A2002001418
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240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

WALL SECTIONS

Scale

3/4" = 1'-0"

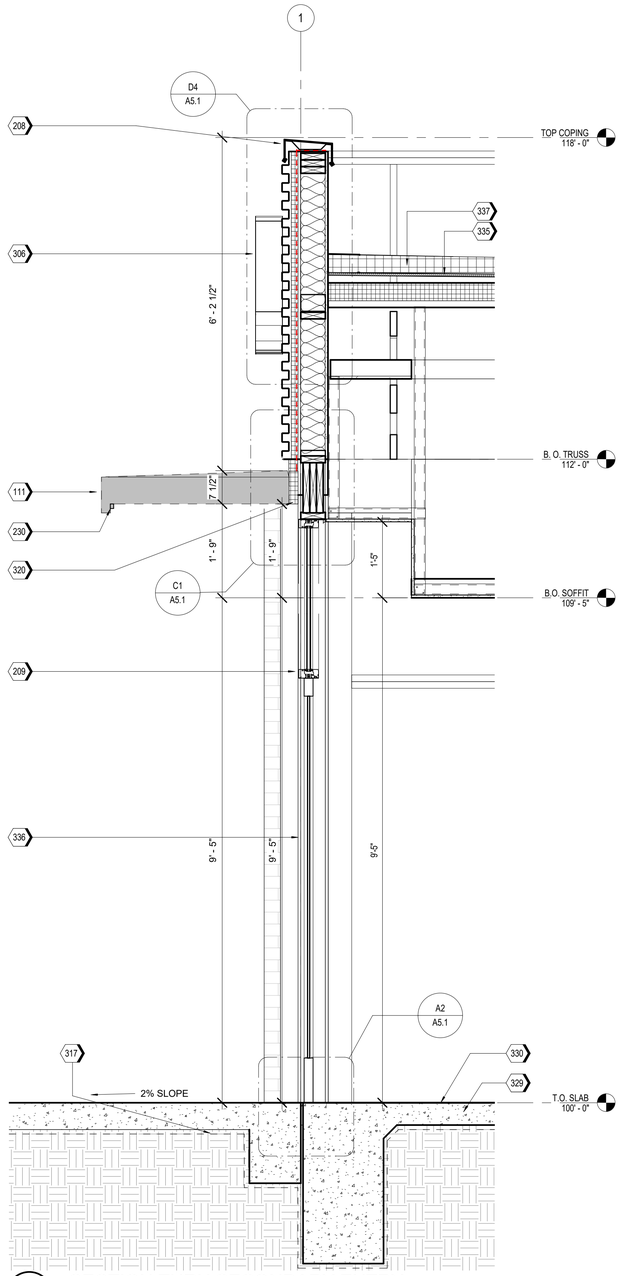
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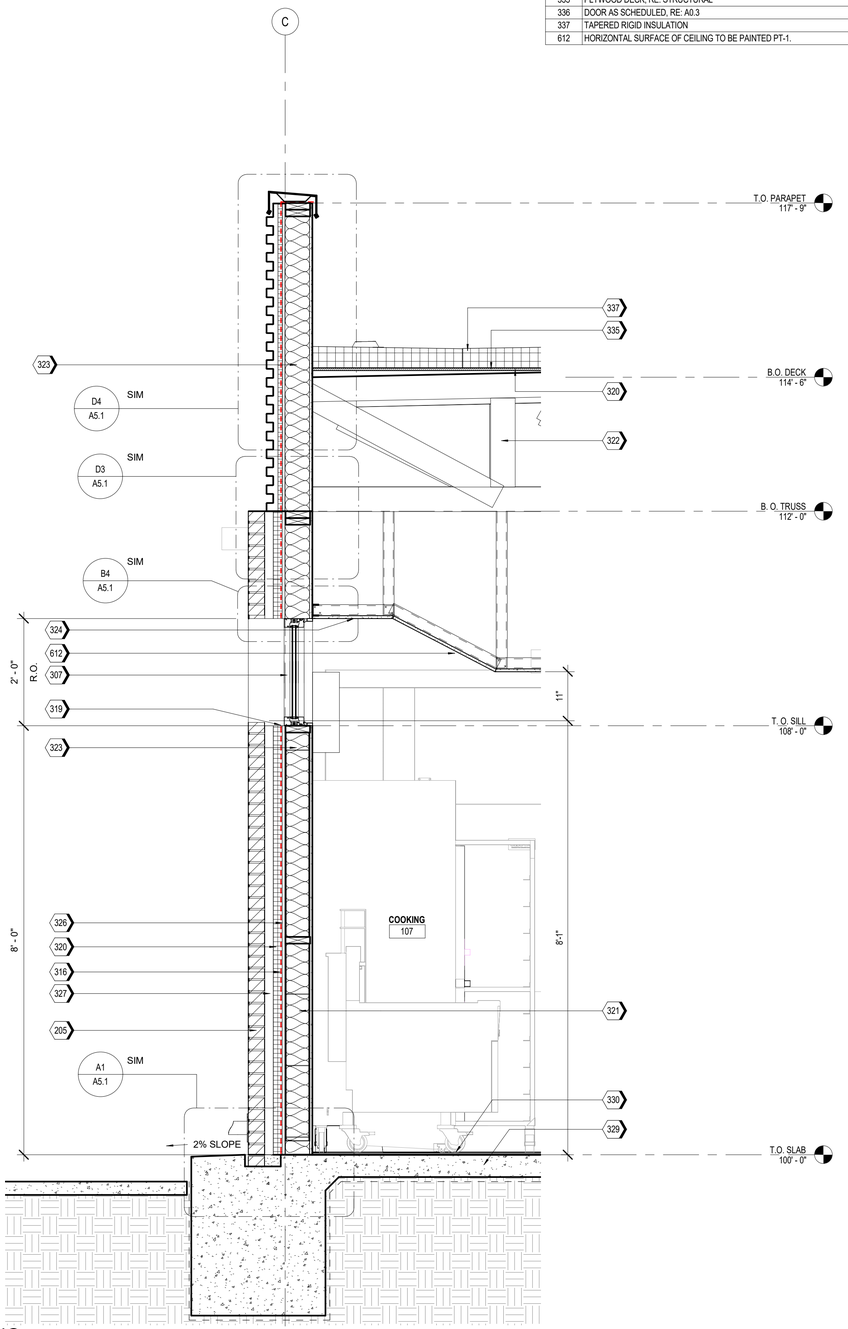
KEYNOTE LEGEND

111	ENTERA PRE-MANUFACTURED CANOPY, BY OTHERS
208	MC-01; PRE-FINISHED METAL COPING
209	SS-01; ALUMINUM STOREFRONT SYSTEM
230	LED FLEXIBLE LINEAR LIGHT STRIP
306	ILLUMINATED SIGNAGE BY OTHERS, G.C. TO PROVIDE PLYWOOD BLOCKING AS NEEDED TO ATTACH SIGNAGE
307	WINDOW AS SCHEDULED
317	VAPOR RETARDER
319	WINDOW SILL (SS-3)
320	RIGID INSULATION
322	WOOD TRUSSES, RE: STRUCTURAL
323	METAL STUD FRAMING AT FRY LINE, SEE: STRUCTURAL
324	CEILING AS SCHEDULED, RE: A1.3
329	RE-INFORCED CONCRETE FOUNDATION, RE: STRUCTURAL
330	FLOORING AS SCHEDULED, RE: I0.1
335	PLYWOOD DECK, RE: STRUCTURAL
336	DOOR AS SCHEDULED, RE: A0.3
337	TAPERED RIGID INSULATION
612	HORIZONTAL SURFACE OF CEILING TO BE PAINTED PT-1.



A5 SECTION THRU SECONDARY ENTRY

SCALE 3/4" = 1'-0"



A3 WALL SECTION AT COOKING

SCALE 3/4" = 1'-0"

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A2002001418
REGISTERED ARCHITECT

Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

WALL SECTIONS

Scale

3/4" = 1'-0"

A4.4

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EXTERIOR METAL

MP01 METAL PANEL (MP01)

SPECIFICATION SECTION: 07 42 13.13
MANUFACTURER: ENTERA BRANDING
PRODUCT NAME: BERRIDGE BR-12 PANEL IS B.O.D.
MATERIAL: 0.040 ALUM.
COLOR: SW7655 STAMPED CONCRETE
SIZE: VARIES
LOCATION: SEE ELEVATIONS

MP02 METAL PANEL (MP02)

SPECIFICATION SECTION: 07 42 13.13
ITEM: FLASHING
MANUFACTURER: ENTERA BRANDING
PRODUCT NAME: SHEET METAL FLASHING
MATERIAL: 0.040 ALUM.
COLOR: SW7655 STAMPED CONCRETE
SIZE: VARIES
LOCATION: SEE DETAILS
NOTES: MATCH MP01

MP03 METAL PANEL AT ELECTRICAL ENCLOSURE (MP03)

SPECIFICATION SECTION: 07 42 13.13
ITEM: FLASHING
MANUFACTURER: ENTERA BRANDING
PRODUCT NAME: BERRIDGE BR-12 PANEL IS B.O.D.
MATERIAL: 0.040 ALUM.
COLOR: SW7655 STAMPED CONCRETE
SIZE: VARIES
LOCATION: SEE ELEVATIONS
NOTES: MP01

MC01 METAL PANEL (MC01)

SPECIFICATION SECTION: 07 71 00
MANUFACTURER: ENTERA BRANDING
PRODUCT NAME: METAL COPING SYSTEM
MATERIAL: COPING
COLOR: SW7655 STAMPED CONCRETE
SIZE: VARIES
LOCATION: SEE ELEVATIONS

MS01 METAL SOFFIT (MS01)

SPECIFICATION SECTION: 07 42 93
MANUFACTURER: ENTERA BRANDING
PRODUCT NAME: ACM
FINISH: SW7655 STAMPED CONCRETE
SIZE: VARIES
LOCATION: SEE ELEVATIONS

EXTERIOR PAINT

PT-5 EXTERIOR PAINTING (PT-5)

SPECIFICATION SECTION: 09 91 13
MANUFACTURER: SHERWIN WILLIAMS
PRODUCT NUMBER: SW7655
COLOR: STAMPED CONCRETE
LOCATION: RE: ELEVATIONS
NOTES: FLAT FINISH. INTERIOR SIDE OF DOORS/FRAMES EGGSHELL FINISH.

EXTERIOR BRICK

BR01 EXTERIOR BRICK (BR01)

SPECIFICATION SECTION: 04 26 13
MANUFACTURER: ACME
TYPE: MODULAR
COLOR: PARK AVENUE
SIZE: 3-5/8" X 2-1/4" X 7-5/8"

BR02 EXTERIOR BRICK (BR02)

SPECIFICATION SECTION: 04 26 13
MANUFACTURER: ACME
TYPE: MODULAR
COLOR: DOESKIN
SIZE: 3-5/8" X 2-1/4" X 7-5/8"

EM01 EXTERIOR MORTAR (EM01)

SPECIFICATION SECTION: 04 26 13
MANUFACTURER: AHI
COLOR: VANILLA-N

GLAZING

GL01 GLAZING (GL01)

SPECIFICATION SECTION: 08 80 00
ITEM: IGU VISION GLASS
MANUFACTURER: VITRO
PRODUCT NAME: SOLARBAN Z75/70 (2) OPTIBLUE + CLEAR IGU
SIZE: VARIES
LOCATION: EXTERIOR WALL
NOTES: VLT 46% U-VALUE .28 SHGC .23 LSG 2.00

GL03 GLAZING (GL03)

SPECIFICATION SECTION: 08 80 00
ITEM: IGU OPAQUE SPANDREL GLASS
MANUFACTURER: VITRO
PRODUCT NAME: OPACI-COAT-300
FINISH: #3-5323 OLD EAGLE
SIZE: VARIES
LOCATION: SEE ELEVATIONS

SS01 STOREFRONT SYSTEM (SS01)

SPECIFICATION SECTION: 08 41 13
MANUFACTURER: OLDCASTLE
PRODUCT NAME: FG-3000 THERMAL
FINISH: CLEAR ANODIZED
SIZE: VARIES
LOCATION: SEE ELEVATIONS

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PAUL R HAGLE
A2002001418
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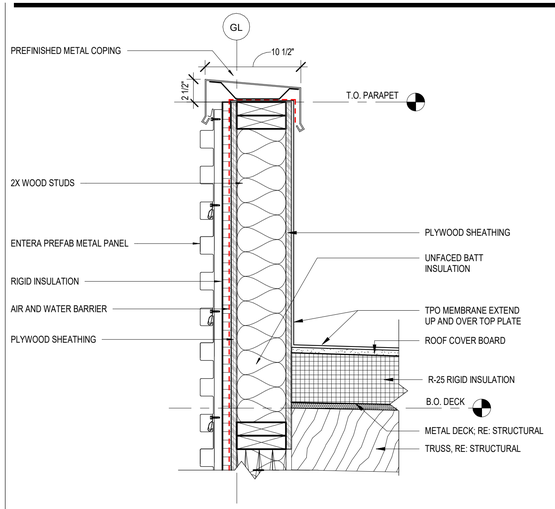
EXTERIOR FINISH SCHEDULE

Scale

A5.0

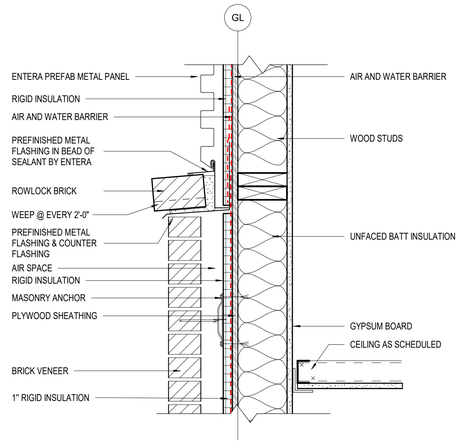
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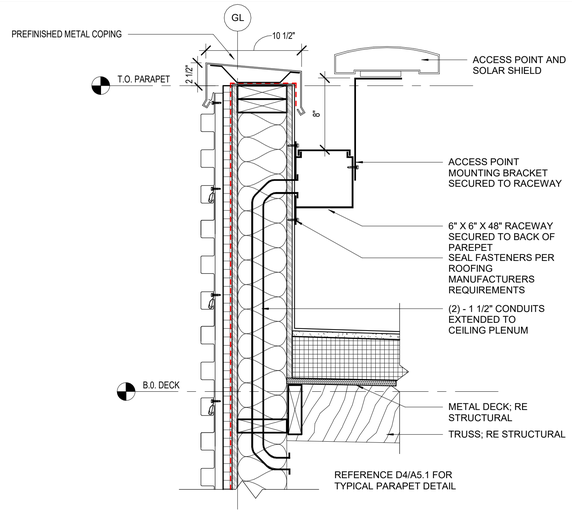
D4 METAL PANEL WALL PARAPET1

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



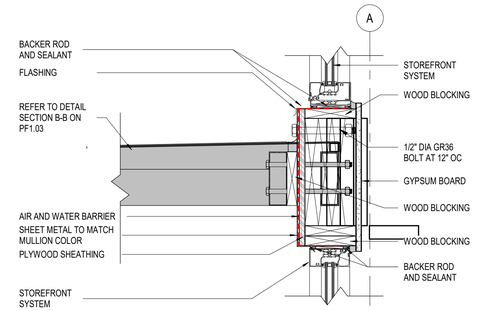
D3 METAL PANEL WALL AT BRICK

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



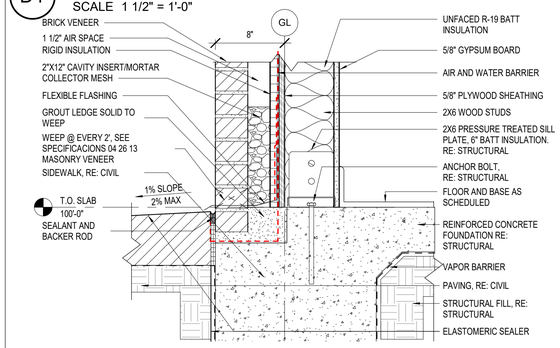
D2 PARAPET ANTENNA DETAIL1

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



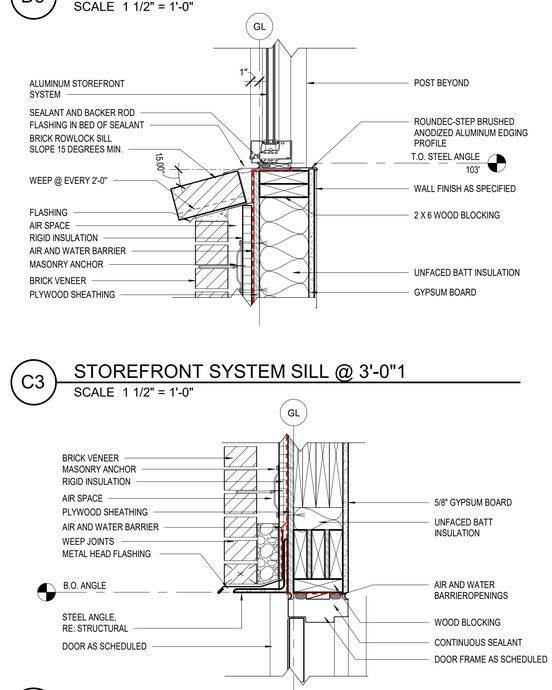
D1 CANOPY TYPE 2 AT STOREFRONT SYSTEM

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



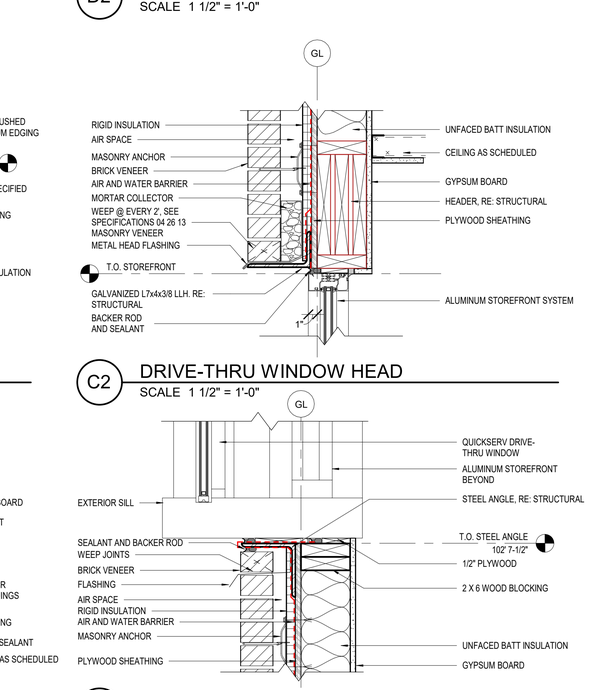
C4 BRICK VENEER WALL BASE AT DRIVE-THRU

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



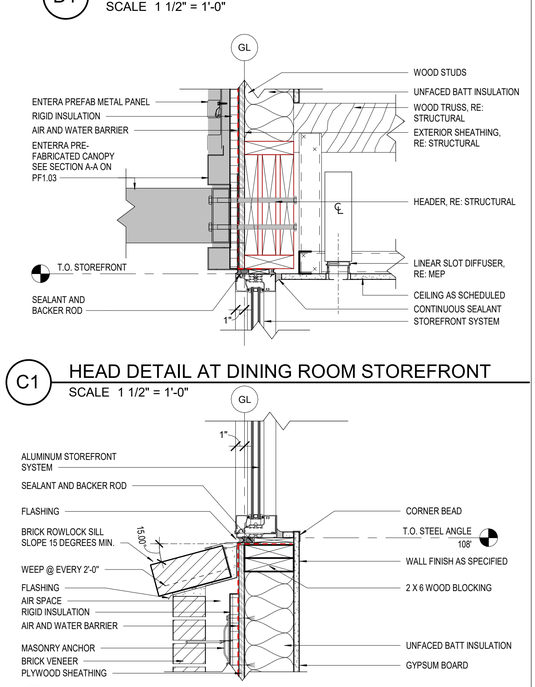
C3 STOREFRONT SYSTEM SILL @ 3'-0"1

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



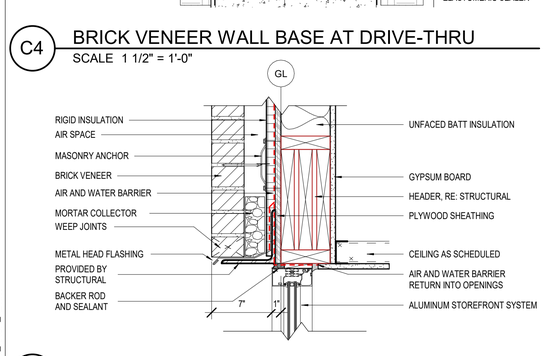
C2 DRIVE-THRU WINDOW HEAD

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



C1 HEAD DETAIL AT DINING ROOM STOREFRONT

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



B4 HEAD DETAIL AT GYP CEILING

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

B3 EXTERIOR DOOR HEAD

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

B2 DRIVE-THRU WINDOW SILL

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

B1 STOREFRONT SILL AT 8'-0"

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

A4 FREEZER/COOLER BASE DETAIL

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

A3 EXTERIOR DOOR THRESHOLD

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

A2 STOREFRONT DOOR THRESHOLD

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

A1 BRICK VENEER WALL BASE

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

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Seal / Signature

STATE OF MISSOURI PAUL HAGLE A2002001418 REGISTERED ARCHITECT

Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

SECTION DETAILS

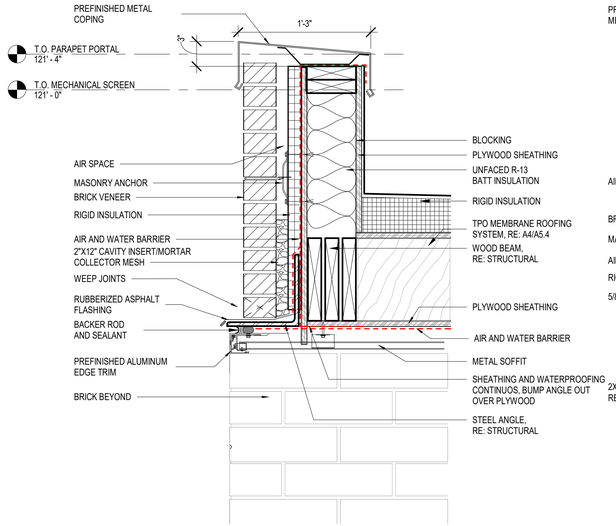
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1 1/2" = 1'-0"

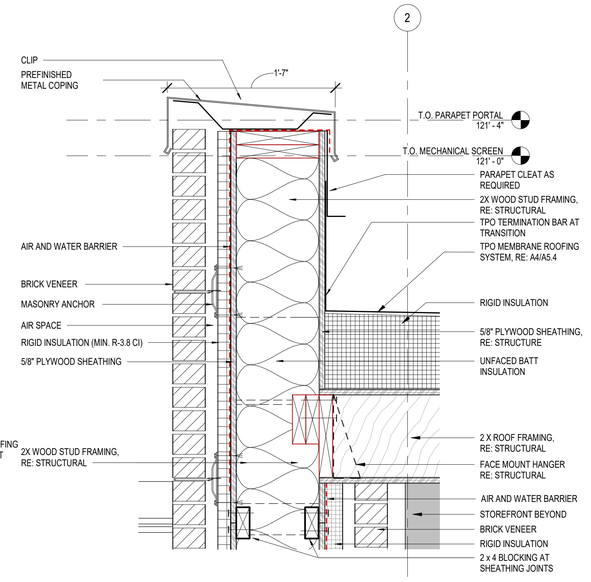
A5.1

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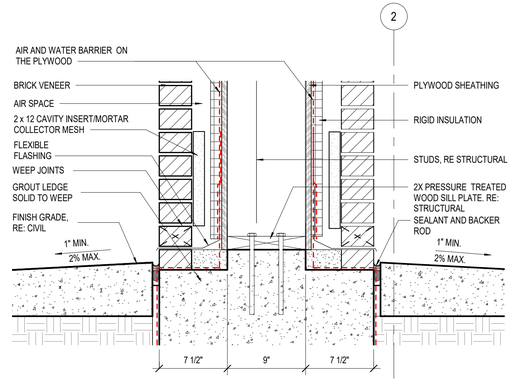
3/16/2023 4:27:58 PM BIM 360://122.0088.470 - WB - Lee Summit MO PT22M\PT22M_LeesSummit_ARCH_R21.rvt



A3 PARAPET AT PORTAL
1 1/2" = 1'-0"



A2 WALL SECTION AT ENTRY
1 1/2" = 1'-0"



A1 PORTAL WALL BASE
1 1/2" = 1'-0"

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PAUL HAGLE
A2002001418
REGISTERED ARCHITECT

Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

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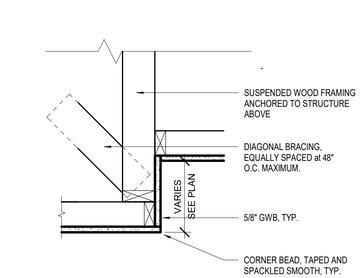
Scale

1 1/2" = 1'-0"

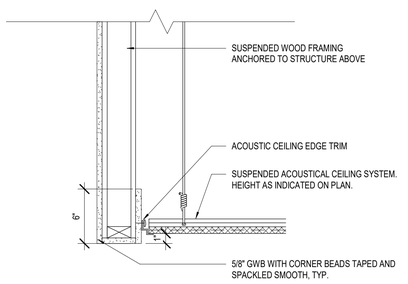
A5.2

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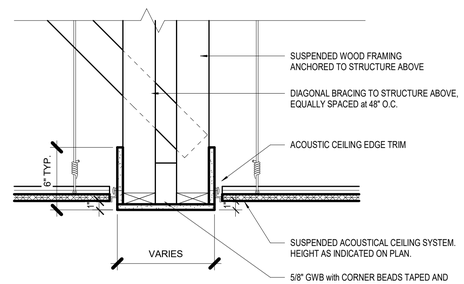
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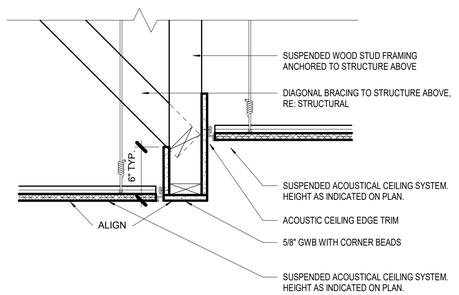
B3 CEILING SECTION DETAIL NO.10
1 1/2" = 1'-0"



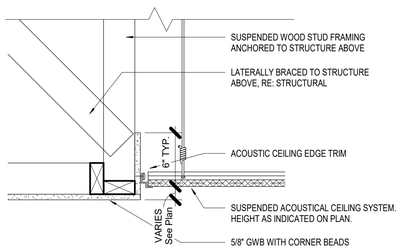
B2 TERMINATE GRID @ ROOF HATCH OPENING4
1 1/2" = 1'-0"



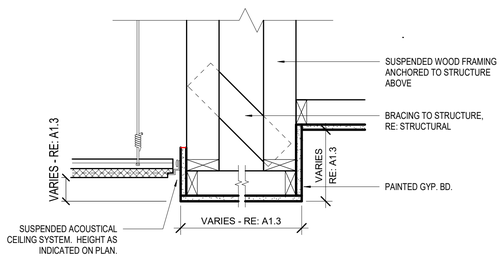
B1 GWB SOFFIT EQUAL ACT1
1 1/2" = 1'-0"



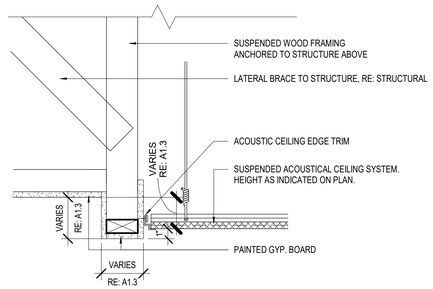
A4 CEILING SECTION DETAIL NO.6
1 1/2" = 1'-0"



A3 CEILING SECTION DETAIL NO.8
1 1/2" = 1'-0"



A2 CEILING SECTION DETAIL NO.9
1 1/2" = 1'-0"



A1 CEILING SECTION DETAIL NO.7
1 1/2" = 1'-0"

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Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

SECTION DETAILS

Scale

1 1/2" = 1'-0"

A5.3

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ROOFING SYSTEM

1. MANUFACTURERS AND PRODUCTS:

A. REFER TO JOHNS MANVILLE WEBSITE (www.jm.com) FOR MOST UP-TO-DATE INFORMATION. JM-TPO

PROPOSED SUBTITUTIONS TO BE SUBMITTED FOR APPROVAL

2. SPECIFIED ROOFING SYSTEMS (AS SHOWN): HEAT-WELDABLE SINGLE-PLY 60 MIL TPO ROOFING SYSTEM, INSTALLED OVER RIGID INSULATION ON WOOD ROOF DECK HAVING A SLOPE OF 1/4"/FT. MATERIALS SHALL BE AS FOLLOWS:

A. TPO ROOFING SYSTEM AS MANUFACTURED BY MANUFACTOR LISTED ABOVE TO COMPLY WITH ASTM E 108 OR UL 790, ASTM D-6878, AND FMG I-90 FOR WIND UPLIFT.

B. FASTENERS: METAL FASTENERS AND PLATES AS PER MANUFACTURER.

C. ACCESSORIES: PRE-FABRICATED CURBS, FLASHING, CORNERS, TERMINATION BARS, PIPE FLASHING, VENT FLASHING ETC. AS PER MANUFACTURER.

D. PLEASE SEE SINGLE PLY FLASHING SPECIFICATIONS FOR A FULL DESCRIPTION OF INSTALLATION INSTRUCTIONS AND REQUIREMENTS WHICH ARE CONSIDERED A PART OF THIS DETAIL.

E. ANY CARPENTRY OR METAL WORK SHOULD BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH LOCAL CODE REQUIREMENTS AND/OR PROJECT SPECIFICATIONS. THESE COMPONENTS SHOULD BE REVIEWED AND APPROVED BY A LICENSED DESIGN PROFESSIONAL. CONTACT JM TECHNICAL FOR METAL OPTIONS TO BE INCLUDED WITHIN THE JM NDL GUARANTEE.

F. JM TPO EDGE SEALANT IS REQUIRED ON ALL CUT OR NON-ENCAPSULATED EDGES OF REINFORCED MEMBRANE. THIS INCLUDES FACTORY CUT MEMBRANE (SEE DETAIL T-MS-01).

3. RIGID INSULATION:

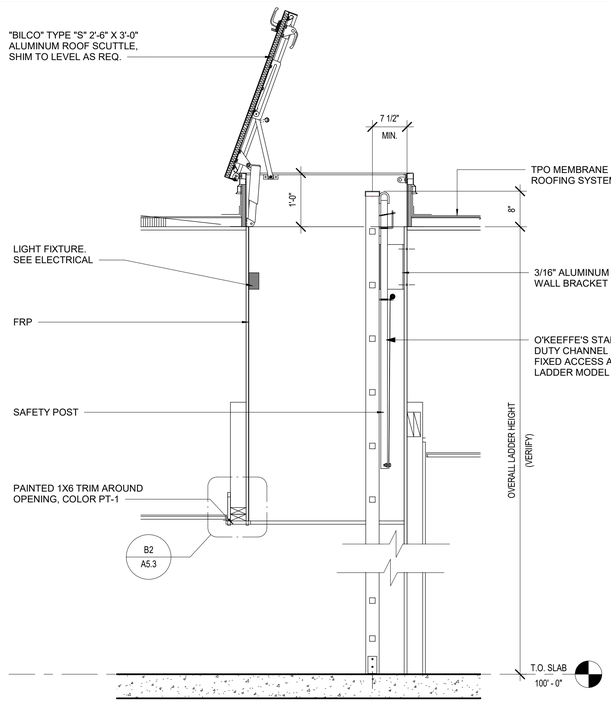
PROVIDE REQUIRED LAYERS OF POLYISOCYANURATE INSULATION W/ 1/2" "DENSDECK" COVER BOARD TO MEET A MINIMUM CONTINUOUS R-25 VALUE - THICKNESS AS REQUIRED. PROVIDE POSITIVE SLOPE TO ALL ROOF DRAINS. SEE ROOF LAN. PROVIDE TOP LAYER PROTECTION MATERIAL AS PER MANUFACTURERS RECOMMENDATIONS. BOTTOM LAYER OF INSULATION TO HAVE INTEGRAL THERMAL BARRIER OR APPROVED ROOFING MANUFACTURER'S THERMAL UNDERLAYMENT SHEET. ASSEMBLY SHALL COMPLY WITH UL 1256 OR FMG 4450 AND ASTM C 1289, TYPE I OR II.

4. TAPERED INSULATION:

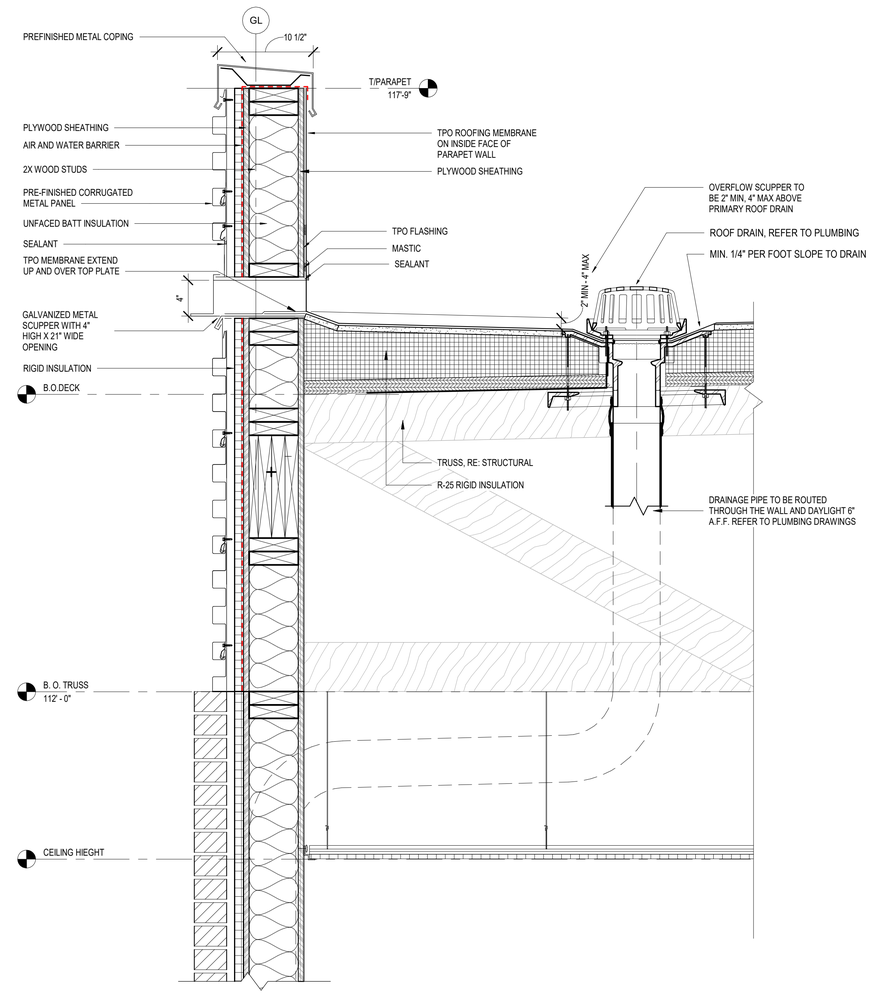
PROVIDE TAPERED INSULATION AS REQUIRED FOR POSITIVE DRAINAGE TO ROOF DRAINS AS INDICATED PER ROOF PLAN ABOVE. 1/4" PER FOOT MIN. REQUIRED.

4. EXHAUST FANS:

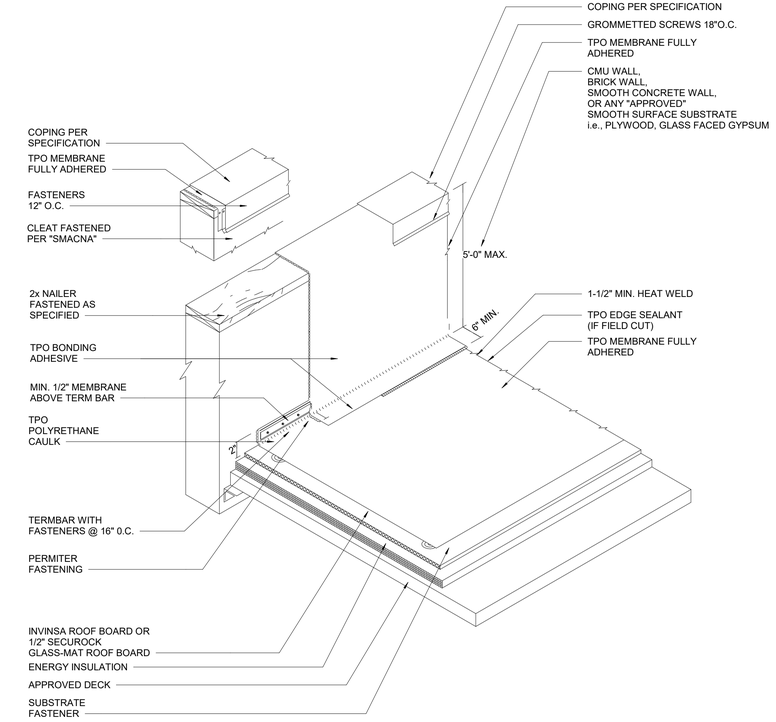
PROVIDE ADDITIONAL LAYER OF ROOF MEMBRANE AROUND EXHAUST FANS AS INDICATED PER ROOF PLAN ABOVE.



C2 ROOF HATCH SECTION
3/4" = 1'-0"

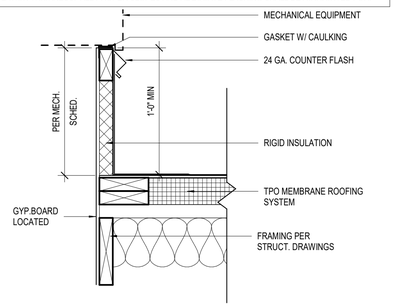


C1 ROOFDETAIL - ROOF DRAINS
SCALE 1 1/2" = 1'-0"

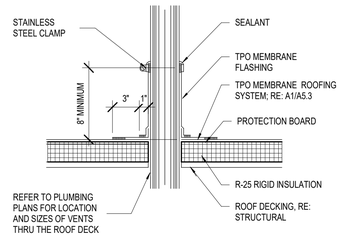


A4 TPO ROOFING MEMBRANE SYSTEM
SCALE 12" = 1'-0"

GC SHALL COORDINATE HEIGHT AND SIZE OF ROOF CURBS TO ACCOMODATE THE PROPER INSTALLATION OF CONDENSATE TRAPS WHILE ACCOUNTING FOR BUILD OF AREA ABOVE THE ROOF DECK INCLUDING INSULATION THICKNESS. ALL PROPER SLOPES AND ADEQUATE FLASHING SHALL BE ACCOUNTED FOR.



A2 EQUIPMENT CURB TYPICAL
SCALE 1 1/2" = 1'-0"



A1 ROOF VENT
SCALE 1 1/2" = 1'-0"

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STATE OF MISSOURI PAUL HAGLE A2002001418 REGISTERED ARCHITECT

Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

WALL AND ROOF TYPES

Scale

As indicated

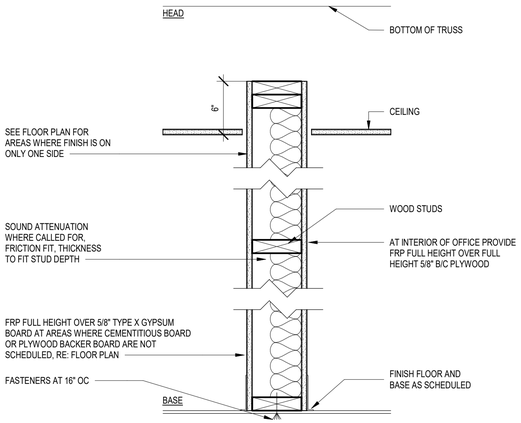
A5.4

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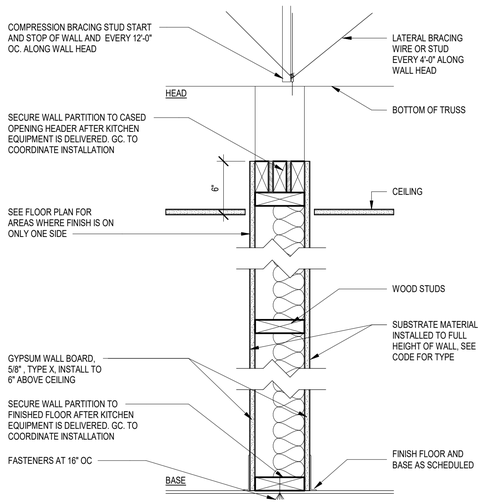
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GENERAL NOTES

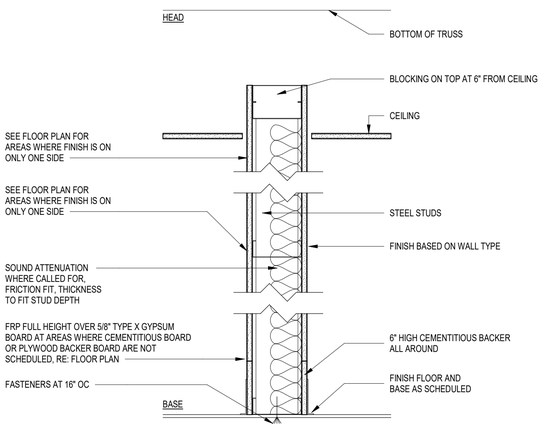
1. ALL FRAMING WILL BE WOOD FRAMING, UNLESS NOTED OTHERWISE.
2. PARTITIONS IN RESTROOMS TO GET ACOUSTIC BATT INSULATION.



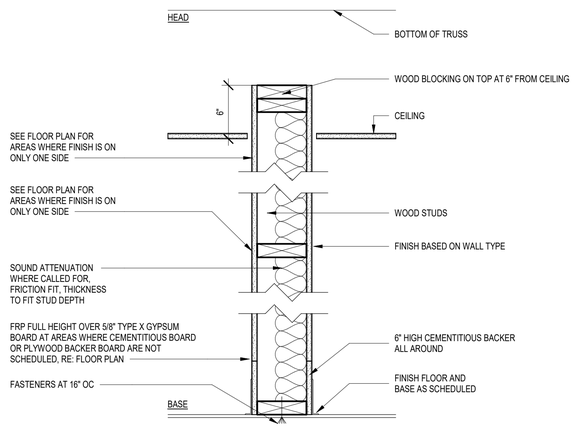
TYPE	E		
SIZE INDICATOR	IND	STUD SIZE	TOTAL WIDTH
	2	2X6	6 3/4"



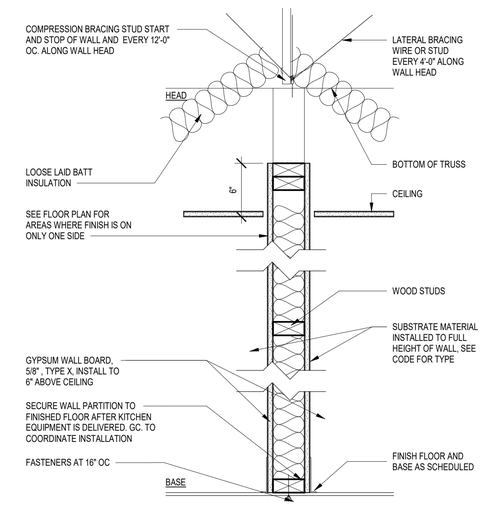
TYPE	D		
SIZE INDICATOR	IND	STUD SIZE	TOTAL WIDTH
	2	2X6	6 3/4"



TYPE	F			
SIZE INDICATOR	IND	STUD SIZE	TOTAL WIDTH	NOTES
	2	2X6	6 3/4"	GYP BOARD ONLY
	3	2X6	6 3/4"	FULL HEIGHT CEMENTITIOUS BACKER
	4	2X6	6 3/4"	PLYWOOD



TYPE	B			
SIZE INDICATOR	IND	STUD SIZE	TOTAL WIDTH	NOTES
	2	2X6	6 3/4"	GYP BOARD ONLY
	3	2X6	6 3/4"	FULL HEIGHT CEMENTITIOUS BACKER
	4	2X6	6 3/4"	PLYWOOD



TYPE	A		
SIZE INDICATOR	IND	STUD SIZE	TOTAL WIDTH
	1	2X4	4 3/4"

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A2002001418
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Description

PARTITION TYPES

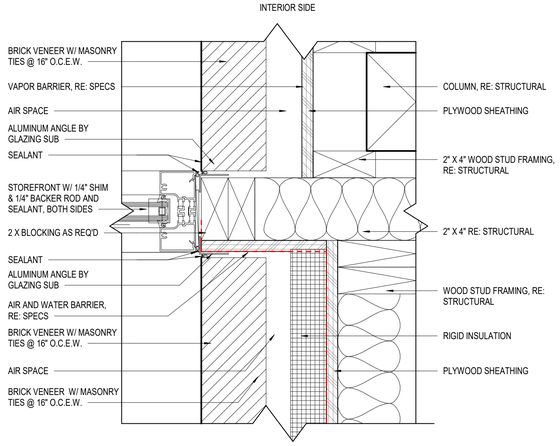
Scale

1 1/2" = 1'-0"

A5.5

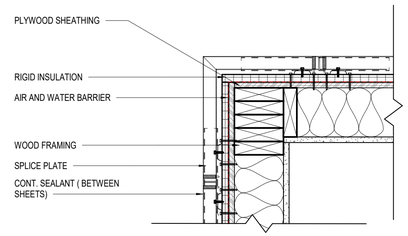
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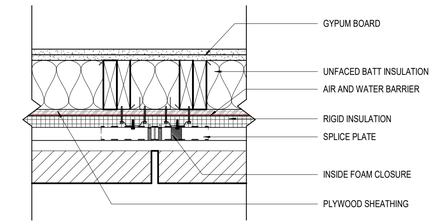
C3 STOREFRONT JAMB @ PORTAL ENTRY - TYP.

3" = 1'-0"



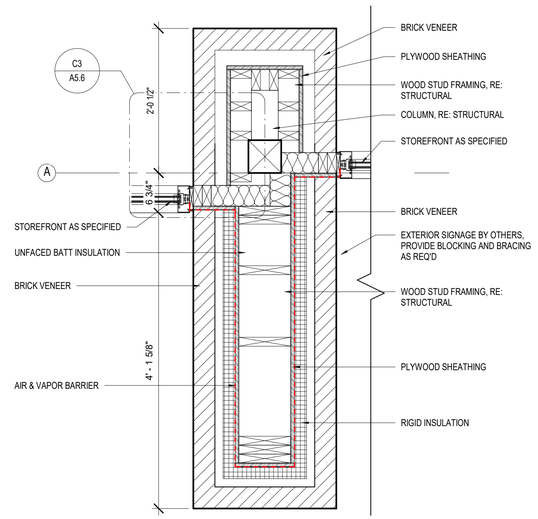
C2 METAL PANEL @ CORNER

1 1/2" = 1'-0"



C1 CORRUGATED METAL SIDING @ EXPANSION JOINT

1 1/2" = 1'-0"



B3 FIRST FLOOR PLAN - CALLOUT 01

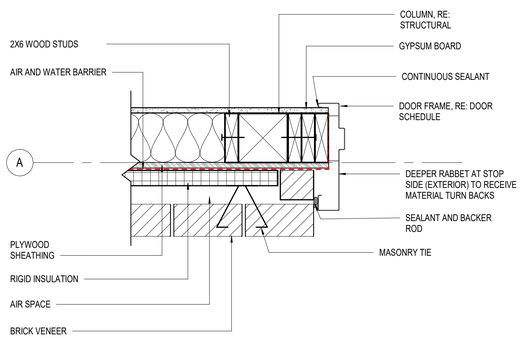
1" = 1'-0"

B2 METAL PANEL AT BRICK VENEER VERTICAL JOINT

1 1/2" = 1'-0"

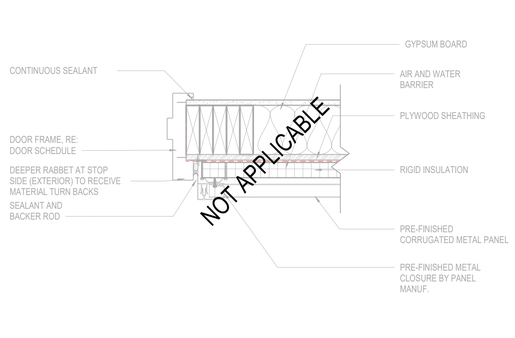
B1 STOREFRONT JAMB

1 1/2" = 1'-0"



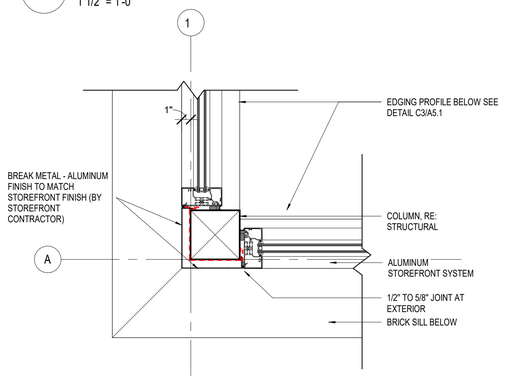
A4 EXTERIOR DOOR JAMB AT BRICK VENEER WALL

1 1/2" = 1'-0"



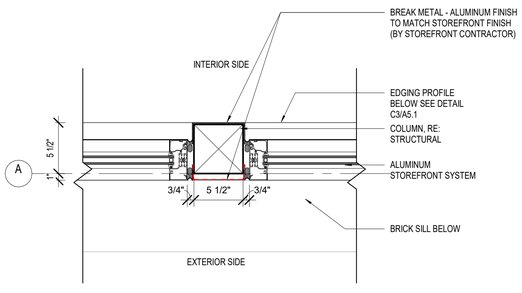
A3 EXTERIOR DOOR JAMB AT METAL PANEL

1 1/2" = 1'-0"



A2 COLUMN AT STOREFRONT CORNER

1 1/2" = 1'-0"



A1 COLUMN AT STOREFRONT

1 1/2" = 1'-0"

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Seal / Signature

STATE OF MISSOURI · PAUL HAGLE · A2002001418 · REGISTERED ARCHITECT

Project Name

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

PLAN DETAILS

Scale

As indicated

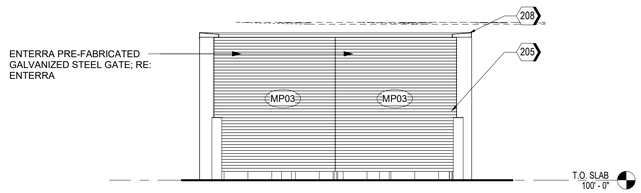
A5.6

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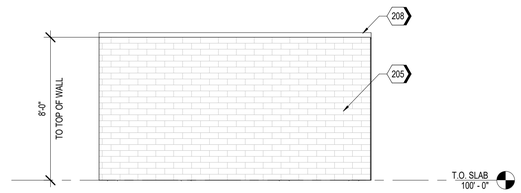
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KEYNOTES

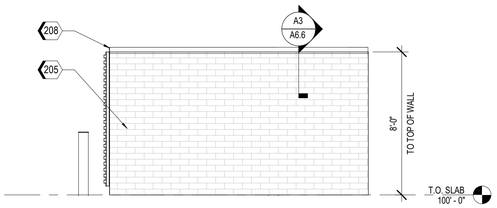
157	PIPE BOLLARDS: IDEAL SHIELD. RE: SPECIFICATIONS. 402 GRAY, PANTONE 402C. RE D3/S5.1
205	BR-01; BRICK VENEER
208	MC-01; PRE-FINISHED METAL COPING
809	ANCHOR BOLTS AT DUMPSTER ENCLOSURE DOORS



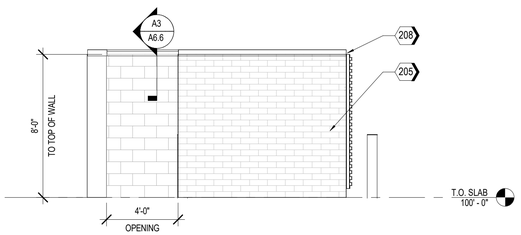
D2 DUMPSTER - ELEVATION @ GATE
1/4" = 1'-0"



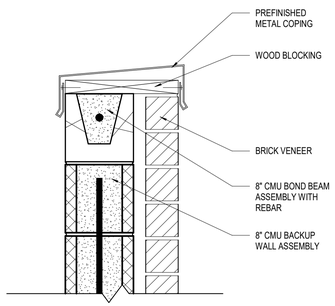
D1 DUMPSTER - ELEVATION @ REAR
SCALE 1/4" = 1'-0"



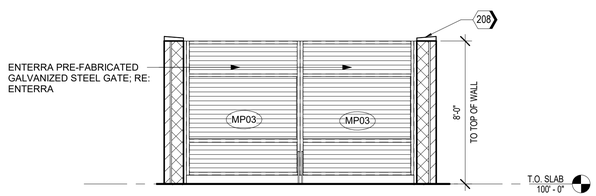
C1 DUMPSTER - ELEVATION @ EAST
SCALE 1/4" = 1'-0"



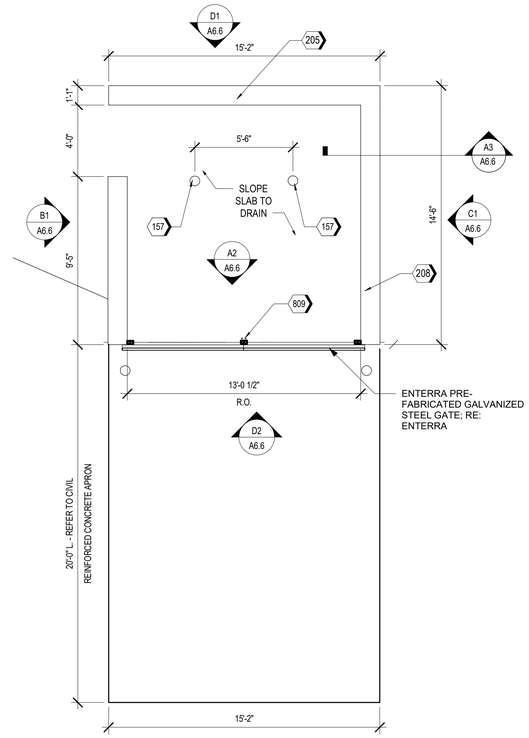
B1 DUMPSTER - ELEVATION @ SIDE ENTRY
SCALE 1/4" = 1'-0"



A3 SECTION AT DUMPSTER ENCLOSURE AND COPING
1 1/2" = 1'-0"



A2 DUMPSTER - GATE INSIDE FACE
1/4" = 1'-0"



A1 DUMPSTER - ENLARGED
1/4" = 1'-0"

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STATE OF MISSOURI
PAUL F. HAGLE
A2002001418
REGISTERED ARCHITECT

Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

DUMPSTER

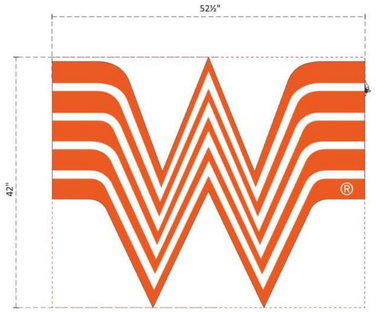
Scale

As indicated

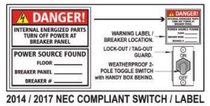
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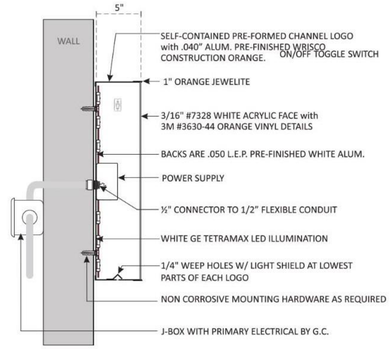
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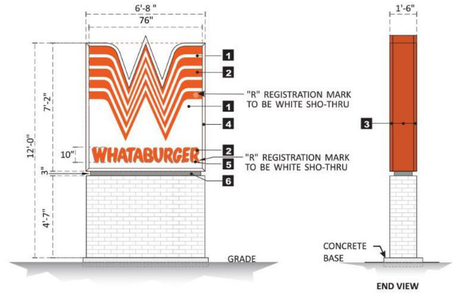
42" PCL-LOGO SCALE: 1" = 1'-0"
15.29 SQ. FT.



2014 / 2017 NEC COMPLIANT SWITCH / LABEL



LETTER SECTION
SELF-CONTAINED



END VIEW

D/F MONUMENT 7'-2" CABINET SCALE ¼"=1'-0"
47.78 SQ. FT. (CABINET ONLY)

D/F ALUM. CABINET - .063" FILLERS WITH 2" RETAINERS
FLEX FACES WITH APPLIED 1ST SURFACE 3M VINYL GRAPHICS.

INTERNALLY ILLUMINATED WITH WHITE L.E.D.
DISPLAY TO HAVE ON/OFF SERVICE SWITCHES.

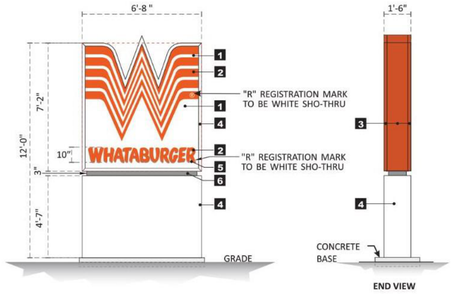
3" ALUM. REVEAL
ONE STEEL SUPPORT WITH CONCRETE PIER

CONCRETE PAD AND MASONRY INCLUDING CMU CORE BY G.C. – NO FRAME REQ'D
STONE VENEER TO MATCH BUILDING STONE.

U.L. LABELS REQUIRED
LABELS TO BE ATTACHED IN VISIBLE AREA,
DIRECTLY BELOW ON/OFF SWITCH

2.7 TOTAL AMPS (1) 120v, 20a CIRCUIT REQ'D

COLOR SCHEDULE	
1	3M WHITE FLEX FACES
2	3M 3630-44 ORANGE VINYL
3	P.T.M. P.M.S. 1665C ORANGE.
4	SPRAYLAT MARK 1: SM-102S SATIN WHITE
5	3M 3630-51 SILVER GRAY VINYL
6	P.T.M. P.M.S. 430 GRAY



END VIEW

D/F MONUMENT 7'-2" CABINET SCALE ¼"=1'-0"
47.78 SQ. FT. (CABINET ONLY)

D/F ALUM. CABINET - .063" FILLERS WITH 2" RETAINERS
FLEX FACES WITH APPLIED 1ST SURFACE 3M VINYL GRAPHICS.

INTERNALLY ILLUMINATED WITH WHITE L.E.D.
DISPLAY TO HAVE ON/OFF SERVICE SWITCHES.

3" ALUM. REVEAL
ONE STEEL SUPPORT WITH CONCRETE PIER
.080 ALUM. FABRICATED BASE PTD. W/ MEDIUM STUCCO TEXTURED FINISH

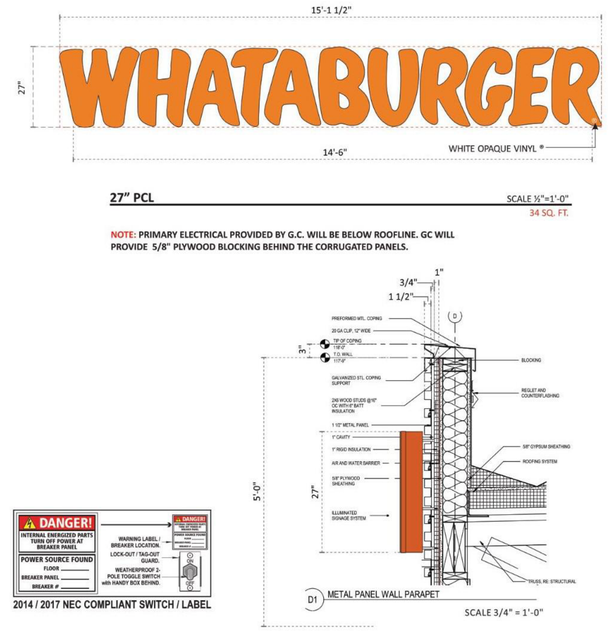
CONCRETE PAD BY G.C.

U.L. LABELS REQUIRED
LABELS TO BE ATTACHED IN VISIBLE AREA,
DIRECTLY BELOW ON/OFF SWITCH

2.7 TOTAL AMPS (1) 120v, 20a CIRCUIT REQ'D

NOTE: STEEL AND FOUNDATION FOR SIGN TO BE DETERMINED BASED ON SITE SPECIFIC BASIS, LOCAL SOIL CONDITIONS AND WIND LOAD REQUIREMENTS.

WHATABURGER® FAMILY OF SIGNS

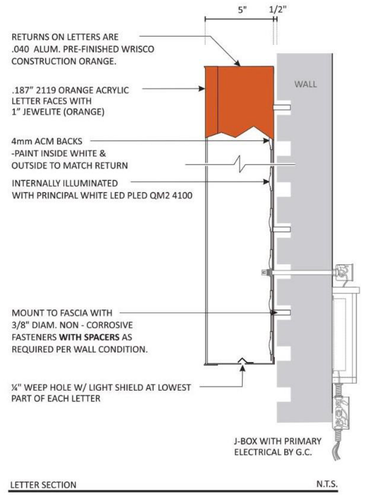


27" PCL SCALE ½"=1'-0"
34 SQ. FT.

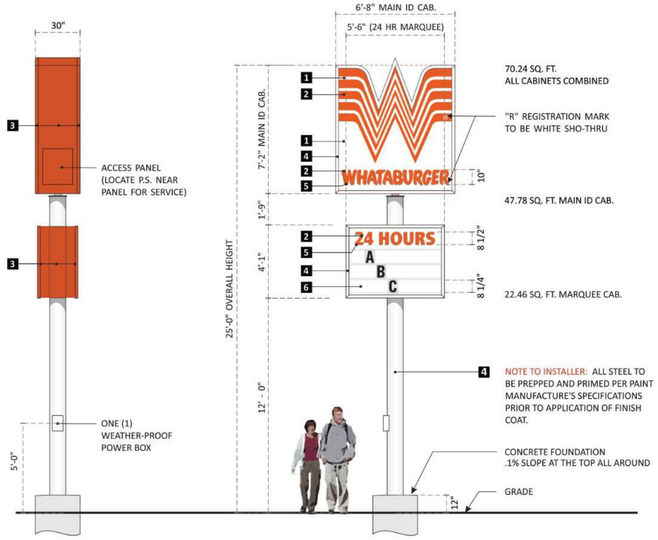
NOTE: PRIMARY ELECTRICAL PROVIDED BY G.C. WILL BE BELOW ROOFLINE. GC WILL PROVIDE 5/8" PLYWOOD BLOCKING BEHIND THE CORRUGATED PANELS.

D1 METAL PANEL WALL PARAPET
SCALE 3/4" = 1'-0"

2014 / 2017 NEC COMPLIANT SWITCH / LABEL



LETTER SECTION N.T.S.



D/F PYLON -7'-2" MAIN ID CABINET SCALE: 1/4" = 1' - 0"
ONE (1) REQUIRED - MANUFACTURE & INSTALL

ONE (1) D/F MAIN I-D CABINET

FABRICATED .063" ALUMINUM CABINET WITH 2" RETAINERS.
FLEX FACES ON 1" X 1" ALUMINUM SQ. TUBE FRAMES WITH CLIPS.

3M TRANSLUCENT VINYL GRAPHICS

INTERNALLY ILLUMINATED WITH WHITE L.E.D.

TWO (2) S/F CABINETS READING "24 HOURS" & READER BOARD.

8" EXTRUDED DEEP ALUMINUM CABINETS WITH 2" RETAINERS.

.063" ALUM. COMMON FILLERS

3/16" SG ACRYLIC FACES WITH 1st SURFACE VINYL COPY READING "24 HOURS". CLEAR TRACKS FOR 3 LINES OF 8" ON 9" ZIP LETTERS.

150 COUNT "MODERN ECONO" BLACK ZIP CHANGE
LETTER FONT PACKAGE AND STORAGE CABINET.

12' MECHANICAL ZIP CHANGE ARM

INTERNALLY ILLUMINATED WITH WHITE L.E.D.
2.2 AMPS MAIN ID CABINET. 1.1 AMPS EACH READER BOARD - 2.2 BOTH RB
4.4 AMPS TOTAL - (1) 120v, 20a CIRCUIT REQ'D

ONE STEEL SUPPORT WITH CONCRETE PIER

COLOR SCHEDULE	
1	3M WHITE FLEX FACES
2	3M 3630-44 ORANGE VINYL
3	P.T.M. P.M.S. 1665C ORANGE.
4	FIELD MASTER FM102 WHITE SATIN (SUPPORT) OR MARK 1 SM-102S SATIN (SIGN)
5	3M 3630-51 SILVER GRAY VINYL
6	WHITE SG ACRYLIC

NOTE: STEEL AND FOUNDATION FOR SIGN TO BE DETERMINED BASED ON SITE SPECIFIC BASIS, LOCAL SOIL CONDITIONS AND WIND LOAD REQUIREMENTS.

WHATABURGER® FAMILY OF SIGNS

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Seal / Signature



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Project Number

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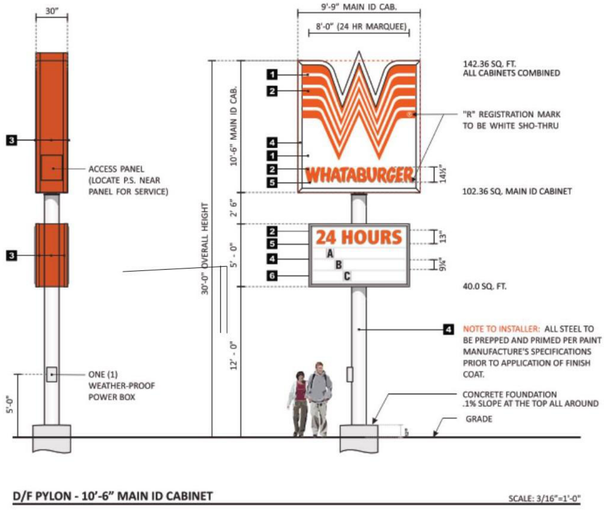
MONUMENTAL SIGN TYPES

Scale

A7.0

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D/F PYLON - 10'-6" MAIN ID CABINET

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

ONE (1) D/F MAIN I-D CABINET

FABRICATED .063" ALUMINUM CABINET WITH 4"x 4" RETAINERS.

FLEX FACES ON ANGLE IRON FRAMES WITH CLIPS.

3M TRANSLUCENT VINYL GRAPHICS

INTERNALLY ILLUMINATED WITH WHITE L.E.D.

TWO (2) S/F CABINETS READING "24 HOURS" & READER BOARD.

EXTRUDED 8" DEEP ALUMINUM CABINETS WITH 2" x 2" RETAINERS.

.063" ALUM. COMMON FILLERS.

PAN-FORMED WHITE POLYCARBOANTE FACES, CLEAR ZIP TRACKS, FOR 3 LINES OF 8" ZIP CHANGE LETTERS.

APPLY VINYL COPY READING "24 HOURS" TO 1st SURFACE.

150 COUNT "MODERN" 8" ON 10" BLACK ZIP CHANGE LETTER FONT PACKAGE AND STORAGE CABINET.

12' MECHANICAL ZIP CHANGE ARM.

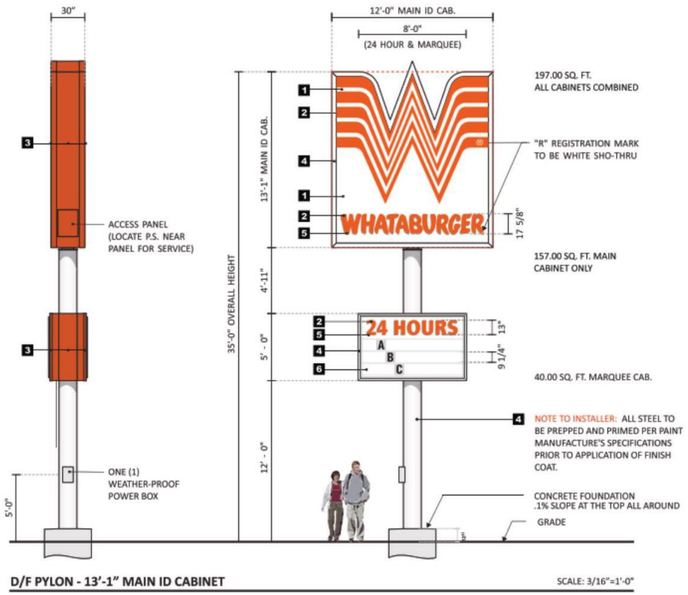
INTERNALLY ILLUMINATED WITH WHITE L.E.D.
3.8 AMPS MAIN ID CABINET. 2.5 AMPS EACH READER BOARD - 5.0 BOTH RB
8.8 AMPS TOTAL - (1) 120v, 20a CIRCUIT REQ'D

ONE STEEL SUPPORT WITH CONCRETE PIER

COLOR SCHEDULE

1	3M WHITE FLEX FACES
2	3M 3630-44 ORANGE VINYL
3	P.T.M. P.M.S. 1665C ORANGE.
4	FIELD MASTER FM102 WHITE SATIN (SUPPORT) OR MARK 1 SM-1025 SATIN (SIGN)
5	3M 3630-51 SILVER GRAY VINYL
6	PAN FORMED WHITE POLYCARBONATE

NOTE: STEEL AND FOUNDATION FOR SIGN TO BE DETERMINED BASED ON SITE SPECIFIC BASIS, LOCAL SOIL CONDITIONS AND WIND LOAD REQUIREMENTS.



D/F PYLON - 13'-1" MAIN ID CABINET

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

ONE (1) D/F MAIN I-D CABINET

FABRICATED .063" ALUMINUM CABINET WITH 4"x 4" RETAINERS.

FLEX FACES ON ANGLE IRON FRAME WITH CLIPS.

3M TRANSLUCENT VINYL GRAPHICS

INTERNALLY ILLUMINATED WITH WHITE L.E.D.

TWO (2) S/F CABINETS READING "24 HOURS" & READER BOARD.

EXTRUDED 8" DEEP ALUMINUM CABINETS WITH 2"x2" RETAINERS.

.063" ALUM. COMMON FILLERS.

PAN-FORMED WHITE POLYCARBONATE FACES, CLEAR ZIP TRACKS, FOR 3 LINES OF 8" ZIP CHANGE LETTERS.

APPLY VINYL COPY READING "24 HOURS" TO 1st SURFACE.

150 COUNT "MODERN" 8" ON 10" BLACK ZIP CHANGE LETTER FONT PACKAGE AND STORAGE CABINET.

12' MECHANICAL ZIP CHANGE ARM.

INTERNALLY ILLUMINATED WITH WHITE L.E.D.
6.5 AMPS MAIN ID CABINET. 2.5 AMPS EACH READER BOARD - 5 BOTH RB
11.5 AMPS TOTAL - (1) 120v, 20a CIRCUIT REQ'D

ONE STEEL SUPPORT WITH CONCRETE PIER

COLOR SCHEDULE

1	3M WHITE FLEX FACES
2	3M 3630-44 ORANGE VINYL
3	P.T.M. P.M.S. 1665C ORANGE.
4	FIELD MASTER FM102 WHITE SATIN (SUPPORT) OR MARK 1 SM-1025 SATIN (SIGN)
5	3M 3630-51 SILVER GRAY VINYL
6	PAN FORMED WHITE POLYCARBONATE

NOTE: STEEL AND FOUNDATION FOR SIGN TO BE DETERMINED BASED ON SITE SPECIFIC BASIS, LOCAL SOIL CONDITIONS AND WIND LOAD REQUIREMENTS.

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REGISTERED ARCHITECT

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MONUMENTAL SIGN TYPES

Scale

A7.1

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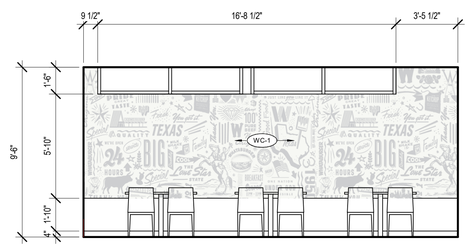


A2 HARMON PICTURE
12" = 1'-0"

WALLCOVERING LEGEND

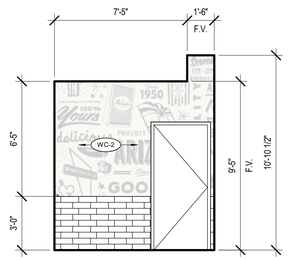
* WALL COVERINGS PROVIDED BY DECOR, REFER TO RESPONSIBILITIES MATRIX ON SHEET G0.1

WC-1



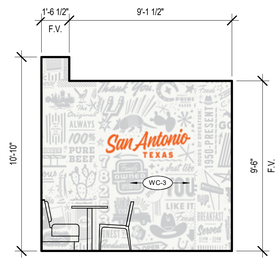
DINING ROOM WALL - A

WC-2



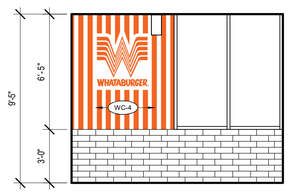
AT RESTROOM CORRIDOR

WC-3

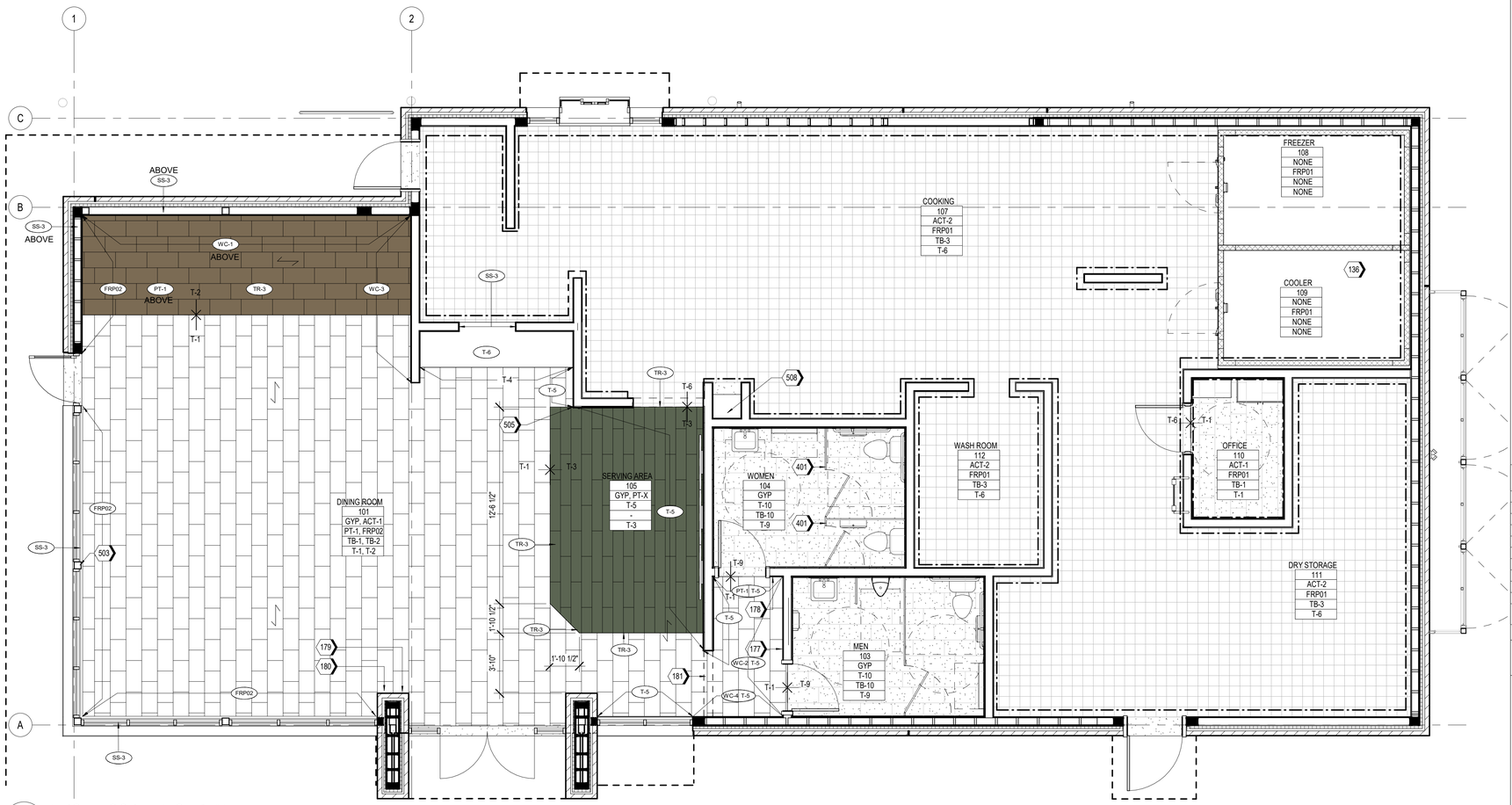


DINING ROOM WALL - B

WC-4



AT RESTROOM CORRIDOR



A1 FIRST FLOOR - FINISH PLAN
1/4" = 1'-0"

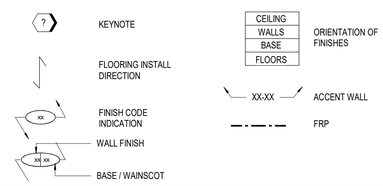
GENERAL NOTES - FINISH PLAN

1. MATERIALS ON FINISH SCHEDULE MUST BE SUBMITTED TO ARCHITECT IN TRIPLICATE FOR REVIEW AND APPROVAL PRIOR TO ORDERING.
2. DEVIATION FROM SPECIFIED MATERIALS AND INSTALLATIONS ARE NOT PERMITTED UNLESS SUBMITTED IN A TIMELY FASHION AND APPROVED BY WHATABURGER PRIOR TO MODIFICATION.
3. UNLESS OTHERWISE NOTED, NEW FLOOR FINISHES TO BE T-1. ALL TILE TO BE SAME DYE LOT WITHIN THEIR OWN TYPE.
4. CONTRACTOR TO SUBMIT FULL SIZE SAMPLES OF EACH SPECIFIED TILE. LABEL SAMPLES TO IDENTIFY COLOR, QUALITY OF CONSTRUCTION, MANUFACTURER, PROJECT NAME, AND GENERAL AREA OF INSTALLATION.
5. TILE TO TILE THRESHOLD IS TO BE SEAMED UNDER CENTERLINE OF DOOR IN CLOSED POSITION.
6. TILE TO SLAB THRESHOLD TO BE SEAMED UNDER CENTERLINE OF DOOR IN CLOSED POSITION. PROVIDE STAINLESS METAL REDUCER STRIP. SUBMIT SAMPLE OF METAL REDUCER STRIP TO ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.
7. INSTALLED TILE AND ALL OTHER FLOORING FINISHES SHALL BE PROTECTED FOR THE DURATION OF CONSTRUCTION.
8. WALL BASE TO BE AN INTEGRAL COVE BASE AND IS TO VISUALLY MATCH THE THE ADJACENT FLOOR TILE BELOW UNLESS NOTED OTHERWISE. FOR EXAMPLE, T-1 FLOORING SHOULD ALWAYS RECIEVE INTEGRAL COVE BASE TB-1. GROUT JOINTS ARE TO ALIGN.
9. TOP EDGES OF DISSIMILAR BASE MATERIALS SHALL ALIGN.
10. SUBMIT SAMPLES OF EACH SPECIFIED TILE BASE. TILE SAMPLES SHALL BE FULL SIZE OR 12" x 12".
11. SUBMIT FULL-SIZE STONE, CERAMIC, OR PORCELAIN FLOOR OR WALL TILE SAMPLES TO WHATABURGER FOR APPROVAL PRIOR TO PURCHASE.
12. GROUT COLOR TO BE SELECTED BY DESIGN PROFESSIONAL FOR THE INSTALLATION OF STONE AND HARDSURFACE FLOOR OR WALL TILES. SUBMIT SAMPLES TO WHATABURGER FOR APPROVAL. TO BE EQUAL TO MAPEI EPOXY GROUT. GROUT JOINTS TO BE SEALED.
13. UNLESS OTHERWISE NOTED, NEW HOLLOW METAL DOOR FRAMES TO BE FINISHED PT-1. SEMI-GLOSS FINISH.
14. UNLESS OTHERWISE NOTED, NEW GWB TO BE FINISHED PT-1. EGGSHELL FINISH, WITH LOW VOC.
15. UNLESS OTHERWISE NOTED, CLOSETS TO BE FINISHED TO MATCH ADJOINING SPACE.
16. WHERE CERAMIC, PORCELAIN, STONE, OR GLASS TILE IS SCHEDULED, COMPLY WITH REQUIREMENTS OF LATEST EDITION OF TILE COUNCIL OF NORTH AMERICA'S "HANDBOOK FOR CERAMIC, GLASS AND STONE TILE INSTALLATION" AND MANUFACTURER'S GUIDELINES.
17. WHERE CERAMIC, PORCELAIN, STONE, OR GLASS TILE IS SCHEDULED, ALL EXPOSED EDGES SHALL RECIEVE A SCHLUTER EDGE. EXPOSED TILE EDGES ARE NOT ALLOWED.
18. FINISHING AT GWB TO BE ONE COAT OF INTERIOR LATEX BASE PRIMER COAT AND TWO COATS OF INTERIOR LATEX BASE PAINT. PRIMER COAT TO BE TINTED SIMILAR TO FINISH COAT COLOR. FINISH TO BE EGGSHELL, WITH LOW VOC. UNLESS OTHERWISE NOTED.
19. FINISHING AT METAL SURFACES AND DOOR FRAMES TO BE ONE COAT BASE PRIMER AND TWO COATS BASE PAINT. PRIMER COAT TO BE TINTED SIMILAR TO FINISH COAT. PROVIDE ADDITIONAL COATS TO CONCEAL BASE MATERIAL. FINISH TO BE SEMI-GLOSS. REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
20. SUBMIT 12" x 12" SAMPLES OF EACH SPECIFIED PAINT COLOR AND FINISH TO WHATABURGER FOR APPROVAL PRIOR TO INSTALLATION.
21. ALL WALLCOVERING IS OWNER FURNISHED OWNER INSTALLED (OFOI).
22. SURFACES SCHEDULED TO RECEIVE WALLCOVERING ARE TO BE PRIMED ACCORDING TO WALLCOVERING MANUFACTURER'S RECOMMENDATIONS PRIOR TO INSTALLATION. WALLCOVERING INSTALLATION TO BE FREE FROM BUCKLES, BLISTERS, WRINKLES, LOOSE EDGES, OPEN SEAMS OR STAINS. CONTRACTOR TO USE NEW BLADE FOR EACH WALLCOVERING CUT REQUIRED ON SITE.
23. UNLESS OTHERWISE NOTED, NEW CEILINGS TO BE ACT-1.
24. UNLESS OTHERWISE NOTED, GWB CEILINGS AND SOFFITS TO BE PAINTED CEILING WHITE, FLAT FINISH. REFER TO FINISH SCHEDULE.
25. MATERIAL AND FABRICATION OF MILLWORK SHALL BE IN ACCORDANCE WITH THE ARCHITECTURAL WOODWORKING INSTITUTE (AWI) STANDARDS OF CONSTRUCTION FOR PREMIUM GRADE MILLWORK AS A MINIMUM CRITERIA.
26. HIGH PRESSURE DECORATIVE LAMINATE (HPDL) WORK SHALL COMPLY WITH AWI SECTION 400. LAMINATE SUBSTRATE SHALL BE MEDIUM DENSITY PARTICLE BOARD OR MEDIUM DENSITY FIBERBOARD. HPDL TYPE 'HGS' SHALL BE USED ON HORIZONTAL SURFACES. HPDL TYPE 'VGS' SHALL BE USED ON VERTICAL SURFACES. CABINET INTERIORS SHALL RECEIVE THERMOSET DECORATIVE OVERLAY (MELAMINE) IN WHITE. SHELVING SHALL COMPLY WITH AWI SECTION 600.
27. PROVIDE 135 DEGREE, FRAMELESS CONCEALED HINGES (EUROPEAN STYLE) AND HEAVY-DUTY, FULL-EXTENSION DRAWER GLIDES ONLY. WHERE MILLWORK IS ADJACENT TO PERPENDICULAR PARTITION OR OBSTRUCTION, PROVIDE 94 DEGREE OPEN ANGLE HINGE AT CABINET DOORS THAT SWING INTO OBSTRUCTION. TYPICAL HARDWARE AND GLIDE CUT SHEETS SHALL BE SUBMITTED WITH SHOP DRAWINGS FOR APPROVAL.
28. CABINETS SHALL BE INSTALLED WITH CONCEALED HANGING METHODS ONLY.
29. EXPOSED FINISHED SURFACES (JAMBS, SOFFITS, COUNTERTOPS, CABINETRY, ETC.) SHALL BE PROTECTED WITH DROP CLOTHS OR CARDBOARD ENCLOSURES FOR THE DURATION OF CONSTRUCTION TO PREVENT DAMAGE, AND WEAR.
30. WARRANTY INFORMATION (PROVIDED BY MANUFACTURER AND SUBCONTRACTORS) AND MANUFACTURER TECHNICAL DATA (CARE AND MAINTENANCE) FOR MATERIALS ON FINISH SCHEDULE SHALL BE SUBMITTED TO OWNER'S REPRESENTATIVE PRIOR TO JOB COMPLETION.
31. PROVIDE 5% OF ATTIC STOCK, BUT NOT LESS THAN ONE FULL BOX, BUCKET, OR ROLL, FOR THE FOLLOWING MATERIALS: CERAMIC TILE, QUARRY TILE, PORCELIAN TILE, EACH PAINT COLOR, FRP, WALL PROTECTION, AND ACOUSTICAL CEILING TILES.

KEYNOTES

136	FRY REGLET WALLCOVERING TRIM AT CORNER
177	MEN'S RESTROOM SIGN
178	WOMEN'S RESTROOM SIGN
179	OCCUPANCY SIGN
180	THANK YOU FOR CHOOSING WHATABURGER SIGN
181	RESTROOM SIGN ABOVE
401	REINFORCE VERTICAL PARTITIONS ON THE STRIKE SIDE OF STALL DOOR WITH A STAINLESS STEEL CAP
503	ANODIZED ALUMINUM BREAK METAL CLADDING AT COLUMNS TO MATCH STOREFRONT
505	INSTALL WALL COVERING AT EDGE OF BULLNOSE TILE
508	PROVIDE 6 INCH SEALED CONCRETE HOUSEKEEPING PAD FOR SMART SAFE TO BE ELEVATION AND BOLTED TO

FINISH SYMBOLS



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Seal / Signature



Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

FINISH PLAN

Scale

As indicated

I0.1

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GROUT

GR-1 GROUT
SPECIFICATION SECTION: 09 30 00
ITEM: FLOORING GROUT
MANUFACTURER: MAPEI
COLOR: 02 PEWTER

GR-2 GROUT
SPECIFICATION SECTION: 09 30 00
ITEM: FLOORING GROUT
MANUFACTURER: MAPEI
COLOR: 09 GREY

GR-3 GROUT
SPECIFICATION SECTION: 09 30 00
ITEM: FLOORING GROUT
MANUFACTURER: MAPEI
COLOR: 42 MOCHA

GR-4 GROUT
SPECIFICATION SECTION: 09 30 00
MANUFACTURER: MAPEI
COLOR: 93 BAHAMA BEIGE IECG EPOXY GROUT

GR-5 GROUT
SPECIFICATION SECTION: 09 30 00
ITEM: ACCENT TILE GROUT
MANUFACTURER: MAPEI
COLOR: 27 SILVER

GR-6 GROUT
SPECIFICATION SECTION: 09 30 00
ITEM: ACCENT TILE GROUT
MANUFACTURER: MAPEI
COLOR: 77 FROST

GR-7 GROUT
SPECIFICATION SECTION: 09 30 00
ITEM: ACCENT TILE GROUT
MANUFACTURER: MAPEI
COLOR: 93 WARM GREY

INTERIOR PAINTING

PT-1 INTERIOR PAINTING
SPECIFICATION SECTION: 09 91 23
MANUFACTURER: SHERWIN WILLIAMS
PRODUCT NUMBER: SW7005
COLOR: PURE WHITE
LOCATION: RE: ELEVATIONS
NOTES: EGGSHELL FINISH. PAINT THE FOLLOWING CEILINGS WITH EGGSHELL FINISH - KITCHEN, RESTROOMS, FRONT COUNTER AND BEVERAGE BAR.

PT-2 INTERIOR PAINTING
SPECIFICATION SECTION: 09 91 23
MANUFACTURER: SHERWIN WILLIAMS
PRODUCT NAME: SW9170
COLOR NAME: ACIER
LOCATION: RE: ELEVATIONS AND DETAILS
NOTES: FLAT, CEILING TRANSITION TRIM

PT-3 INTERIOR PAINTING
SPECIFICATION SECTION: 09 91 23
MANUFACTURER: SHERWIN WILLIAMS
PRODUCT NUMBER: SW7043
COLOR: WORLDLY GRAY
LOCATION: RE: ELEVATIONS
NOTES: EGGSHELL FINISH

PT-4 INTERIOR PAINTING
SPECIFICATION SECTION: 09 91 23
MANUFACTURER: PPG
PRODUCT NUMBER: YBX18, RCX:4Y36, GPX:2, OOX:24, NYX:36
COLOR: ORANGE
LOCATION: RE: ELEVATIONS
NOTES: FLAT

CEILING

ACT-1 ACOUSTICAL CEILING TILE
SPECIFICATION SECTION: 09 51 13
MANUFACTURER: ARMSTRONG
PRODUCT NAME: ULTIMA 1912
COLOR: WHITE
FINISH: FLAT
SIZE: 24" X 24"
GRID SYSTEM: SQUARE LAY-IN WITH PRELUDE XL 15/16" SUSPENSION SYSTEM
LOCATION: RE: RCP PLAN

ACT-2 ACOUSTICAL CEILING TILE
SPECIFICATION SECTION: 09 51 13
MANUFACTURER: NATIONAL GYP GRIDSTONE
PRODUCT NAME: FIRE-SHIELD CEILING PANEL
COLOR: WHITE
SIZE: 24" X 24"
GRID SYSTEM: SQUARE LAY-IN
INSTALLATION METHOD: SQUARE LAY IN
NOTES: RE: RCP PLAN

STONE

SS-2 SOLID SURFACE
SPECIFICATION SECTION: 12 36 61
SPECIES & GRADE: SOLID SURFACE
TYPE: CORIAN
COLOR: DEEP ESPRESSO
THICKNESS: 6MM THICKNESS
NOTES: EDGES TO BE SQUARE

SS-3 SOLID SURFACE
SPECIFICATION SECTION: 12 36 61
SPECIES & GRADE: SOLID SURFACE
TYPE: CORIAN
COLOR: CAMEO WHITE
FINISH: POLISHED
THICKNESS: 6MM THICKNESS
NOTES: EDGES TO BE SQUARE

WALL COVERING

WC01 WALL COVERING
SPECIFICATION SECTION: 09 72 00
MANUFACTURER: MDC WALLPAPER
PRODUCT NAME: UNIQUE EFFECTS ALAMOSA
PRODUCT NUMBER: MERMAID - MHC1356
BACKING MATERIAL: NON -WOVEN BACKED MYLAR
FIBER CONTENT: POLYESTER/CELLULOSE
PATTERN REPEAT DISTANCE: PATTERN MATCH: NON-REVERSIBLE STRAIGHT ACROSS
FLAME SPREAD INDEX / RESISTANCE: CLASS A
LOCATION: BAR TOP AND SIDES
NOTES: ROLL WIDTH/LENGTH: 27"/ 15 YARDS

WC02 WALL COVERING
SPECIFICATION SECTION: 09 72 00
MANUFACTURER: DAVID SUTHERLAND
PRODUCT NAME: STUDIO E - SALDANA
PRODUCT NUMBER: 1942 BLANCO
BACKING MATERIAL: TBD
FIBER CONTENT: PLASTER APPLIED
PATTERN REPEAT DISTANCE: N/A
FLAME SPREAD INDEX / RESISTANCE: CLASS A
LOCATION: LOUNGE & RESTROOMS
REF. ELEVATIONS
NOTES: ROLL WIDTH/LENGTH: 28"/ 10 YARDS

WC03 WALL COVERING
SPECIFICATION SECTION: 09 72 00
MANUFACTURER: TBD
PRODUCT NAME: CUSTOM DIGITAL
BACKING MATERIAL: TBD
FIBER CONTENT: TBD
PATTERN REPEAT DISTANCE: N/A
FLAME SPREAD INDEX / RESISTANCE: CLASS A
LOCATION: BAR GRAPHIC
REF. ELEVATIONS
NOTES: ROLL WIDTH/LENGTH: TBD

WC04 WALL COVERING
SPECIFICATION SECTION: 09 72 00
MANUFACTURER: TBD
PRODUCT NAME: CUSTOM DIGITAL
BACKING MATERIAL: TBD
FIBER CONTENT: TBD
PATTERN REPEAT DISTANCE: N/A
FLAME SPREAD INDEX / RESISTANCE: CLASS A
LOCATION: BARREL VAULT
REF. RCP PLAN
NOTES: ROLL WIDTH/LENGTH: TBD

WC05 WALL COVERING
SPECIFICATION SECTION: 09 72 00
MANUFACTURER: TBD
PRODUCT NAME: CUSTOM DIGITAL
BACKING MATERIAL: TBD
FIBER CONTENT: TBD
PATTERN REPEAT DISTANCE: N/A
FLAME SPREAD INDEX / RESISTANCE: CLASS A
LOCATION: LOUNGE GRAPHIC
REF. ELEVATIONS
NOTES: ROLL WIDTH/LENGTH: TBD

FRP01 WALL COVERING
SPECIFICATION SECTION: 06 64 00
MANUFACTURER: MARLITE
TYPE: FIBERGLASS REINFORCED PANELS
COLOR: LIGHT GRAY
SIZE: 4'X9'
PATTERN REPEAT DISTANCE: STANDARD PEBBLED SURFACE
LOCATION: FINISH PLAN - KITCHEN
NOTES: FINISH ALL EDGES WITH MATCHING TRIM BY MANUFACTURER

FRP02 WALL COVERING
SPECIFICATION SECTION: 06 64 00
MANUFACTURER: MARLITE
TYPE: FIBERGLASS REINFORCED PANELS
COLOR: S 100G WHITE
SIZE: 4'X10'
PATTERN REPEAT DISTANCE: SMOOTH SURFACE
LOCATION: FINISH PLAN- DINING
NOTES: FINISH ALL EDGES WITH MATCHING TRIM BY MANUFACTURER

TILE

T-1 TILING
SPECIFICATION SECTION: 09 30 00
MANUFACTURER: PANTHEON
PRODUCT NAME: PLATEAU
COLOR: COLOR 220-103
FINISH: MATTE
SIZE: 12x24 RECTIFIED
INSTALLATION PATTERN: ASHLAR PATTERN
GROUT MFR AND COLOR: GROUT GR-1
LOCATION: FINISH PLAN
NOTES: FLOORING, TYPICALLY WITH TB-1 BASE;

T-2 TILING
SPECIFICATION SECTION: 09 30 00
MANUFACTURER: PANTHEON
PRODUCT NAME: PLATEAU
COLOR: COLOR 220-104
FINISH: MATTE
SIZE: 12 X 24 RECTIFIED
INSTALLATION PATTERN: ASHLAR PATTERN
GROUT MFR AND COLOR: GROUT GR-2
LOCATION: FINISH PLAN
NOTES: FLOORING, TYPICALLY WITH TB-2 BASE

T-3 TILING
SPECIFICATION SECTION: 09 30 00
MANUFACTURER: PANTHEON
PRODUCT NAME: BIG BEAR
COLOR: COLOR 220-1402
FINISH: MATTE
SIZE: 8 X 40 RECTIFIED
INSTALLATION PATTERN: 1/3 ASHLAR RUNNING BOND PATTERN
GROUT MFR AND COLOR: GROUT GR-3
LOCATION: FINISH PLAN
NOTES: FLOORING

T-4 TILING
SPECIFICATION SECTION: 09 30 00
MANUFACTURER: PANTHEON
PRODUCT NAME: WB HEX
TYPE: HEXAGON TILE
COLOR: AM GREY
SIZE: 6.9" X 8" HEXAGON
FINISH TREATMENT: SATIN
JOINT WIDTH: 1/8"
GROUT MFR AND COLOR: GROUT GR-1
LOCATION: FINISH PLAN
NOTES: WALL TILE; PROVIDE TR-4 AT CORNERS

T-5 TILING
SPECIFICATION SECTION: 09 30 00
MANUFACTURER: PANTHEON
PRODUCT NAME: PENN STATION
TYPE: SUBWAY TILE
COLOR: COLOR 1201
FINISH: MATTE
SIZE: 4" X 12"
INSTALLATION PATTERN: HORIZONTAL ASHLAR PATTERN
GROUT MFR AND COLOR: GROUT GR-6
LOCATION: FINISH PLAN
NOTES: WALL TILE; PROVIDE TR-4 AT CORNERS

T-6 TILING
SPECIFICATION SECTION: 09 30 00
MANUFACTURER: PANTHEON
PRODUCT NAME: HUE INDUSTRIAL
COLOR: COLOR 100-051-F
FINISH: TRACTION, UNLESS NOTED OTHERWISE
SIZE: 8" X 8"
INSTALLATION: STRAIGHT SET
GROUT MFR AND COLOR: GROUT GR-4
LOCATION: FINISH PLAN
NOTES: FLOOR TILE

T-9 TILING
SPECIFICATION SECTION: 09 30 00
MANUFACTURER: PANTHEON
PRODUCT NAME: PLATEAU
COLOR: COLOR 220-102
FINISH: MATTE
SIZE: 12" X 24" RECTIFIED
INSTALLATION: ASHLAR PATTERN
GROUT MFR AND COLOR: GROUT GR-1
LOCATION: FINISH PLAN
NOTES: FLOOR TILE, TYPICALLY WITH TB-9

T-10 TILING
SPECIFICATION SECTION: 09 30 00
MANUFACTURER: PANTHEON
PRODUCT NAME: TEXTILE
COLOR: WHITE COTTON
FINISH: MATTE
SIZE: 12"X24" RECTIFIED
INSTALLATION PATTERN: SOLDIER PATTERN
GROUT MFR AND COLOR: GROUT GR-7
LOCATION: FINISH PLAN
NOTES: WALL TILE

TB-1 TILE BASE
SPECIFICATION SECTION: 09 30 00
MANUFACTURER: PANTHEON
PRODUCT NAME: PLATEAU
COLOR: COLOR 220-103
FINISH: MATTE
SIZE: 6" X 24"
GROUT MFR AND COLOR: GROUT GR-1
LOCATION: FINISH PLAN
NOTES: BULLNOSE BASE; ADD BEAD OF SILICONE ON TOP OF COVE BASE

TB-2 TILE BASE
SPECIFICATION SECTION: 09 30 00
MANUFACTURER: PANTHEON
PRODUCT NAME: PLATEAU
COLOR: COLOR 220-104
FINISH: MATTE
SIZE: 6" X 24"
GROUT MFR AND COLOR: GROUT GR-2
LOCATION: FINISH PLAN
NOTES: BULLNOSE BASE; ADD BEAD OF SILICONE ON TOP OF COVE BASE

TB-3 TILE BASE
SPECIFICATION SECTION: 09 30 00
MANUFACTURER: PANTHEON
PRODUCT NAME: HUE INDUSTRIAL
COLOR: COLOR 100-051-F
SIZE: 6"X12"
GROUT MFR AND COLOR: GROUT GR-4
LOCATION: FINISH PLAN
NOTES: QUARRY TILE BASE; ADD BEAD OF SILICONE ON TOP OF COVE BASE

TB-10 TILE BASE
SPECIFICATION SECTION: 09 30 00
MANUFACTURER: PANTHEON
PRODUCT NAME: WHITE COTTON
COLOR: COLOR 220-102
GROUT MFR AND COLOR: GROUT GR-7
LOCATION: FINISH PLAN
NOTES: CUT BASE WITH COVE MOLDING AHK1S125AT - 1/2" X 8'

TR-1 TILE TRIM
SPECIFICATION SECTION: 09 30 00
ITEM: TILE TRIM
MANUFACTURER: SCHLUTER SYSTEMS
PRODUCT NAME: JOLLY
COLOR: STAINLESS

TR-2 TILE TRIM
SPECIFICATION SECTION: 09 30 00
ITEM: TILE TRIM
MANUFACTURER: SCHLUTER SYSTEMS
PRODUCT NAME: JOLLY
COLOR: STAINLESS

TR-4 TILE TRIM
SPECIFICATION SECTION: 09 30 00
ITEM: TILE TRIM
MANUFACTURER: RONDEC
PRODUCT NAME: 5/16" ALUM. BULLNOSE TRIM
PRODUCT NUMBER: RO80ATGB
COLOR: BRUSH NICKEL

PLASTIC LAMINATE

PL-1 PLASTIC LAMINATE - INT ARCHITECTURAL WOODWORK
SPECIFICATION SECTION: 06 40 23
MANUFACTURER: WILSONART
PRODUCT NUMBER: 7992-38
COLOR: PINNACLE WALNUT
LOCATION: GENERAL MILLWORK CABINETS AND SHELVES
NOTES: GRAIN TO ALWAYS BE INSTALLED VERTICALLY

PL-2 PLASTIC LAMINATE - INT ARCHITECTURAL WOODWORK
SPECIFICATION SECTION: 06 40 23
MANUFACTURER: FORMICA
PRODUCT NUMBER: 5281
COLOR: DOGBONE
LOCATION: FURNITURE / DECOR

PL-3 PLASTIC LAMINATE - INT ARCHITECTURAL WOODWORK
SPECIFICATION SECTION: 06 40 23
MANUFACTURER: WILSONART
COLOR: CUSTOM DAY DOT
LOCATION: FURNITURE / DECOR

PL-4 PLASTIC LAMINATE - INT ARCHITECTURAL WOODWORK
SPECIFICATION SECTION: 06 40 23
MANUFACTURER: KYDEX
PRODUCT NUMBER: ABS
COLOR: BLACK
LOCATION: FURNITURE / DECOR

PL-5 PLASTIC LAMINATE - INT ARCHITECTURAL WOODWORK
SPECIFICATION SECTION: 06 40 23
MANUFACTURER: WILSONART
PRODUCT NAME: MOISTURE SEALED LINER
PRODUCT NUMBER: WIL159560P
COLOR: BLACK
LOCATION: FURNITURE / DECOR

PL-6 PLASTIC LAMINATE - INT ARCHITECTURAL WOODWORK
SPECIFICATION SECTION: 06 40 23
MANUFACTURER: WILSONART
PRODUCT NAME: MOISTURE SEALED LINER
PRODUCT NUMBER: WIL3173184
COLOR: WHITE
LOCATION: FURNITURE / DECOR

PL-7 PLASTIC LAMINATE - INT ARCHITECTURAL WOODWORK
SPECIFICATION SECTION: 06 40 23
MANUFACTURER: FORMICA
PRODUCT NUMBER: 692-58
COLOR: FOLKSTONE CELESTA
LOCATION: FURNITURE / DECOR

UPHOLSTERY

UP-1 UPHOLSTERY
SPECIFICATION SECTION: BY CUSTOM SEATING
MANUFACTURER: MOMENTUM
PRODUCT NAME: ETCH
COLOR: MINK
LOCATION: FURNITURE / DECOR

UP-2 UPHOLSTERY
SPECIFICATION SECTION: BY CUSTOM SEATING
MANUFACTURER: STINSON
PRODUCT NAME: ETCH
COLOR: ORANGE
LOCATION: FURNITURE / DECOR

UP-3 UPHOLSTERY
SPECIFICATION SECTION: BY CUSTOM SEATING
MANUFACTURER: DELTANA
PRODUCT NAME: VINYL
COLOR: KUMQUAT
LOCATION: FURNITURE / DECOR

UP-4 UPHOLSTERY
SPECIFICATION SECTION: BY CUSTOM SEATING
MANUFACTURER: DESIGNTEX
PRODUCT NAME: LUSTER
COLOR: 3701-804 AFFINITY
LOCATION: FURNITURE / DECOR UPHOLSTERY

TOILET ACCESSORY SCHEDULE

T60 GRAB BAR - 42 INCHES
SPECIFICATION SECTION: 10 28 00
MANUFACTURER: BOBRICK WASHROOM EQUIPMENT INC.
PRODUCT NUMBER: B-6806 SERIES [WITH MODEL .99 PEENED GRIPPING SURFACE]- LENGTH AS NOTED
FINISH: SATIN STAINLESS STEEL
SIZE: 1 1/2 DIAMETER BY 42 LONG INCHES
LOCATION: RESTROOMS, REFER TO PLAN

T61 GRAB BAR - 36 INCHES
SPECIFICATION SECTION: 10 28 00
MANUFACTURER: BOBRICK WASHROOM EQUIPMENT INC.
PRODUCT NUMBER: B-6806 SERIES [WITH MODEL .99 PEENED GRIPPING SURFACE]
FINISH: SATIN STAINLESS STEEL
SIZE: 1 1/2 DIAMETER BY 36 INCHES
LOCATION: RESTROOMS, REFER TO PLAN

SK2 WALL MOUNT RESTROOM SINK
SPECIFICATION SECTION: SEE MECH.
ITEM: WALL-HUNG LAVATORY
MANUFACTURER: BADELOFT
PRODUCT NAME: WALL MOUNTED SINK
PRODUCT NUMBER: WT-04-E
COLOR: MATTE WHITE
SIZE: 23.6 x 19.6 x 4.9 INCHES
UTILITY REQUIREMENTS: WATER LINE; DRAIN LINE
FURNISHED BY: [CONTRACTOR] [OWNER] [TENANT] <OTHERS>
INSTALLED BY: CONTRACTOR
LOCATION: RESTROOMS
NOTES: SEE SPECS FOR DRILLING HOLES; HOLE FOR SENSOR FAUCET AND SOAP

T02 TOWEL DISPENSER / WASTE RECEPTACLE - RECESSED
SPECIFICATION SECTION: 10 28 00
MANUFACTURER: BOBRICK
PRODUCT NAME: RECESSED PAPER TOWEL DISPENSER/WASTE RECEPTACLE
PRODUCT NUMBER: B-36903
FINISH: STAINLESS STEEL
SIZE: ROUGH WALL OPENING: 11-1/2" W, 29-1/2" H, 3-3/4" MIN. DEPTH
LOCATION: RESTROOM, SEE ELEVATION FOR EXACT LOCATION
NOTES: SEE SPECS FOR CORRECT INSTALLATION AND ADA REQUIREMENTS

T31 VANITY MIRROR
SPECIFICATION SECTION: 10 28 00
MANUFACTURER: REJUVENATION
PRODUCT NAME: ROUNDED RECTANGLE METAL FRAMED MIRROR
PRODUCT NUMBER: E3791
FINISH: OIL-RUBBED BRONZE
SIZE: 30" X 42"
LOCATION: RESTROOM, SEE ELEVATION FOR EXACT LOCATION

T41 TOILET TISSUE DISPENSER
SPECIFICATION SECTION: 10 28 00
MANUFACTURER: BOBRICK WASHROOM EQUIPMENT INC.
PRODUCT NUMBER: B-6997
FINISH: SATIN-FINISH STAINLESS STEEL
SIZE: 12-5/16 W BY 6-3/16 H BY 2-3/4 D (RECESSED 1-7/8) INCHES
LOCATION: RESTROOM, SEE ELEVATION FOR EXACT LOCATION
NOTES: RECESSED DUAL-ROLL TOILET TISSUE DISPENSER WITH HOODS

FINISH LEGEND

AF## ACCESS FLOORING
AP## ACOUSTICAL CEILING PANELING
AP## ACOUSTICAL WALL PANELING
CL## ACOUSTICAL PANEL CEILINGS
CL## ACOUSTICAL METAL PAN CEILINGS
CL## LINEAR METAL CELINGS
CL## LINEAR WOOD CEILINGS
CL## STRETCHED-FABRIC CEILING SYSTEMS
CO## POLISHED CONCRETE
CO## SEALED CONCRETE
CO## HIGH-PERFORMANCE COATINGS
CP## TILE CARPETING - MODULAR
CP## SHEET CARPETING - BROADLOOM
DP## DECORATIVE PLASTER
FA## FLUID-APPLIED RESINOUS FLOORING
GF## DECORATIVE GLASS FILM
GL## GLAZING
GL## DECORATIVE GLAZING
IS## VISUAL DISPLAY FABRICS
IS## VISUAL DISPLAY UNITS
MT## DECORATIVE METAL
PL## PLASTIC LAMINATE
PP## PLASTIC PANELING
PR## WALL AND DOOR PROTECTION
PT## EXTERIOR PAINTING
PT## INTERIOR PAINTING
RB## RESILIENT WALL BASE AND ACCESSORIES
RF## LINOLEUM FLOORING
RS## RESILIENT SHEET FLOORING
RS## STATIC-CONTROL RESILIENT SHEET FLOORING
RT## RESILIENT TILE FLOORING
RT## STATIC-CONTROL RESILIENT TILE FLOORING
RT## PLASTIC-MATRIX TERRAZZO FLOOR TILE
SC## SIMULATED STONE COUNTERTOPS
SF## STRETCHED-FABRIC WALL SYSTEMS
SO## SOLID SURFACE COUNTERTOPS
ST## STONE COUNTERTOPS
ST## STONE FACING
ST## STONE FLOORING
ST## STONE TILING
TL## TILING
TR## PORTLAND CEMENT TERRAZZO FLOORING
TR## RESINOUS MATRIX TERRAZZO FLOORING
UM## UNIT MASONRY
UP## UPHOLSTERY
WB## WOOD BASE
WC## WALL COVERINGS
WD## WOOD
WF## WOOD FLOORING - SOLID WOOD
WF## WOOD FLOORING - PRE-ENGINEERED
WF## WOOD ATHLETIC FLOORING
WT## CURTAINS AND DRAPES
WT## HORIZONTAL BLINDS
WT## ROLLER WINDOW SHADES

NOTES:
1. ALL ITEMS LISTED ABOVE MAY NOT BE USED.
2. LOCATIONS NOTED IN SCHEDULE DO NOT INDICATE ALL LOCATIONS. SEE DRAWINGS FOR EXTENT OF WORK.

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Seal / Signature

STATE OF MISSOURI
PAUL HAGLE
A2002001418
REGISTERED ARCHITECT

Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

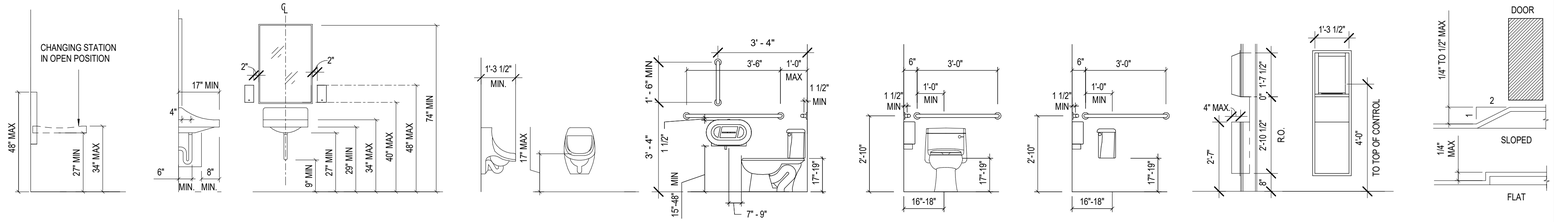
FINISH SCHEDULE

Scale

I0.11

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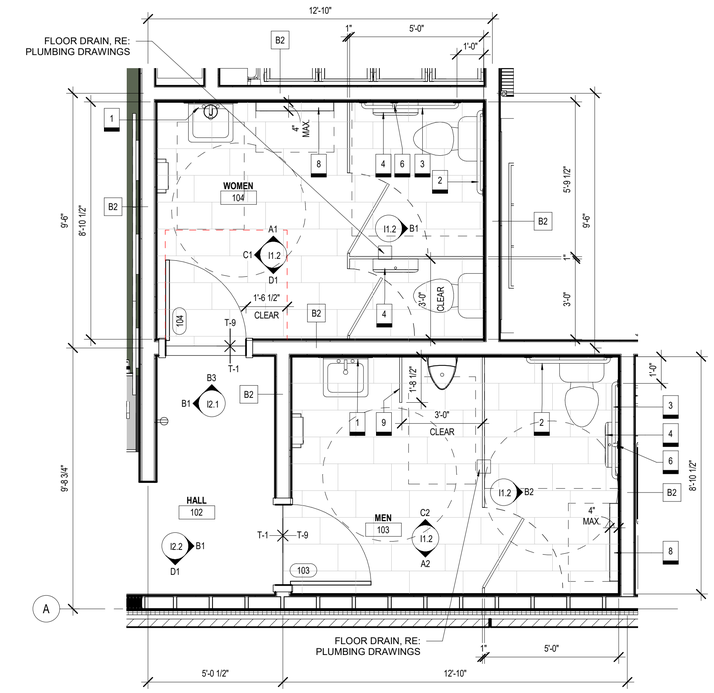
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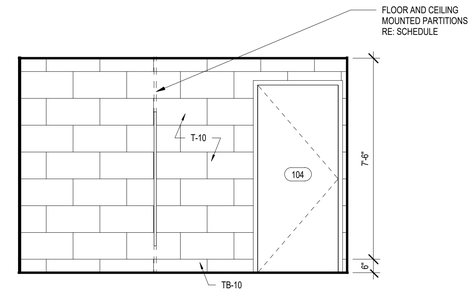
BABY CHANGING STATION | ACCESSIBLE LAVATORY | ACCESSIBLE URINAL | ACCESSIBLE WATER CLOSET | PAPER WASTE RECEPTACLE | THRESHOLD

TOILET ACCESSORIES SCHEDULE

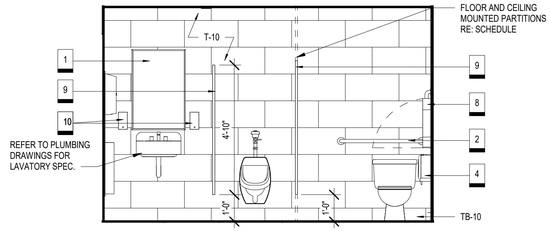
ITEM	ACCESSORY DESCRIPTION	MANUF.	PRODUCT NAME / NO.	FINISH	QTY	DIMENSIONS	REMARKS
1	MIRROR	BOBRICK	B-290	STAINLESS STEEL	2	24" x 36"	CONTRACTOR PROVIDED, CONTRACTOR INSTALLED
2	3'-0" GRAB BAR	BOBRICK	B-6806 W/ KIT 262-2	STAINLESS STEEL SATIN FINISH	2	"W X "H X "D	CONTRACTOR PROVIDED, CONTRACTOR INSTALLED
3	3'-6" GRAB BAR	BOBRICK	B-6806 W/ KIT 262-2	STAINLESS STEEL SATIN FINISH	2	"W X "H X "D	CONTRACTOR PROVIDED, CONTRACTOR INSTALLED
4	SURFACE MOUNTED TOILET TISSUE DISPENSER	BOBRICK	X	STAINLESS STEEL	2	"W X "H X "D	CONTRACTOR PROVIDED, CONTRACTOR INSTALLED
5	SEMI-RECESSED MOUNTED PAPER TOWEL DISPOSAL	AMERICAN SPECIALTIES, INC.	046926	STAINLESS STEEL	2	"W X "H X "D	CONTRACTOR PROVIDED, CONTRACTOR INSTALLED
6	1'-6" GRAB BAR	BOBRICK	B-6806 W/ KIT 262-2	STAINLESS STEEL SATIN FINISH	2	"W X "H X "D	CONTRACTOR PROVIDED, CONTRACTOR INSTALLED
7	SURFACE MOUNTED PURSE/COAT HOOK	BOBRICK	B-6717	STAINLESS STEEL SATIN FINISH	2	"W X "H X "D	CONTRACTOR PROVIDED, CONTRACTOR INSTALLED
8	HORIZONTAL SURFACE MOUNTED DIAPER CHANGING STATION	KOALA KARE	KB-200-00	GREY	2	35 3/16"W X 22 1/4"H X 4"D	CONTRACTOR PROVIDED, CONTRACTOR INSTALLED
9	SERIES 700; FLOOR TO CEILING MOUNTED TOILET AND URINAL PARTITIONS	BRADLEY	PHENOLIC PRIVACY PARTITIONS	WEATHERED ASH; W. STAINLESS STEEL HARDWARE	N/A	FLOOR TO CEILING MOUNTED; STANDARD HEIGHT	CONTRACTOR PROVIDED, CONTRACTOR INSTALLED
10	SURFACE MOUNTED SOAP DISPENSER	DAANSEN	1000ml ADVANCED DISPENSER (4025)	WHITE (4025)	2	"W X "H X "D	CONTRACTOR PROVIDED, CONTRACTOR INSTALLED



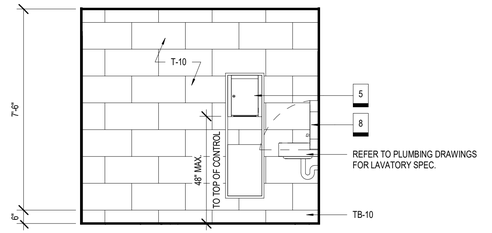
A4 ENLARGED PLAN - RESTROOM
3/8" = 1'-0"



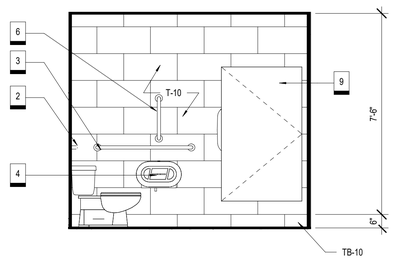
D1 SOUTH ELEVATION - WOMEN
3/8" = 1'-0"



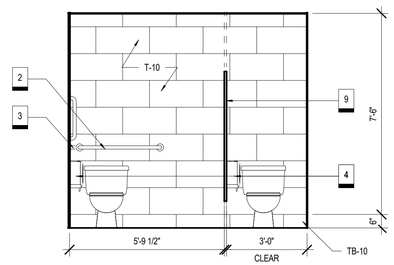
C2 NORTH ELEVATION - MEN
3/8" = 1'-0"



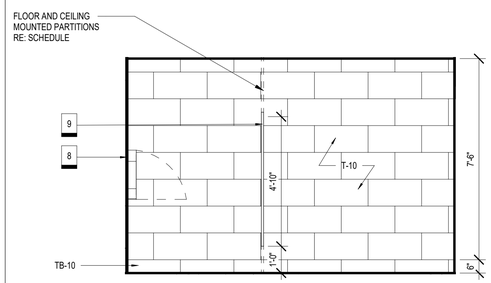
C1 WEST ELEVATION - WOMEN
3/8" = 1'-0"



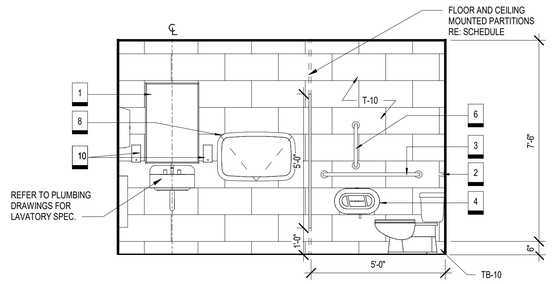
B2 EAST ELEVATION - MEN
3/8" = 1'-0"



B1 EAST ELEVATION - WOMEN
3/8" = 1'-0"



A2 SOUTH ELEVATION - MEN
3/8" = 1'-0"



A1 NORTH ELEVATION - WOMEN
3/8" = 1'-0"

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PAUL HAGLE
A2002001418
REGISTERED ARCHITECT

Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

ENLARGED PLAN AND INTERIOR ELEVATIONS

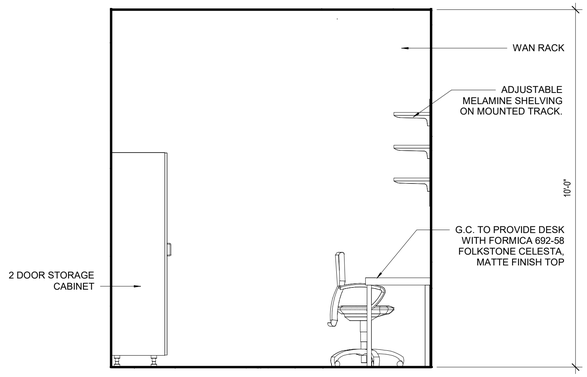
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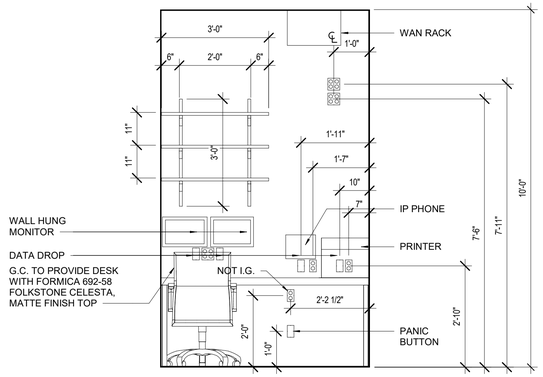
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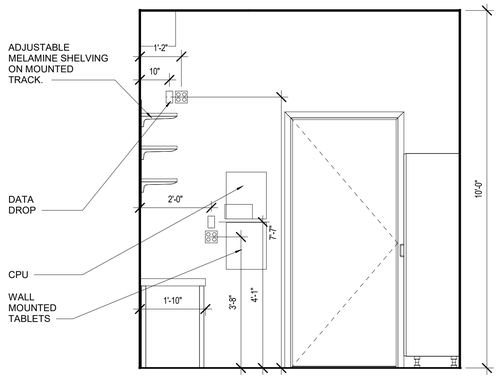
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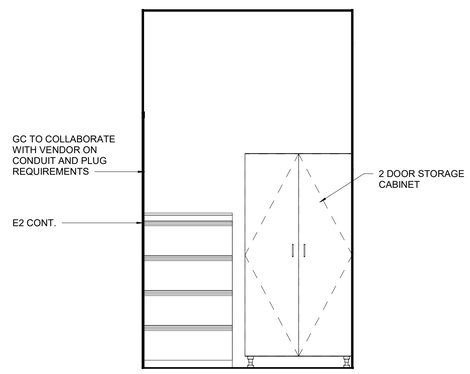
B4 EAST ELEVATION - OFFICE
SCALE 1/2" = 1'-0"



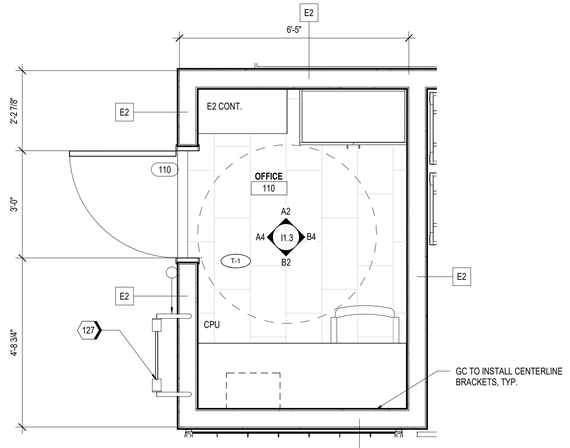
B2 SOUTH ELEVATION - OFFICE
SCALE 1/2" = 1'-0"



A4 WEST ELEVATION - OFFICE
SCALE 1/2" = 1'-0"



A2 NORTH ELEVATION - OFFICE
SCALE 1/2" = 1'-0"



A1 ENLARGED PLAN - OFFICE
SCALE 1/2" = 1'-0"

KEYNOTES

127	ROOF ACCESS LADDER

OFFICE NOTES

1. ALL OUTLETS TO BE ISOLATED GROUND (I.G.), UNLESS NOTED OTHERWISE.
2. ALL OFFICE WALLS TO HAVE 1/2" PLYWOOD BACKING WITH FRP FINISH
3. G.C. TO PROVIDE WOOD BLOCKING AT SHELVING AND ACCESSORIES, AS REQUIRED .

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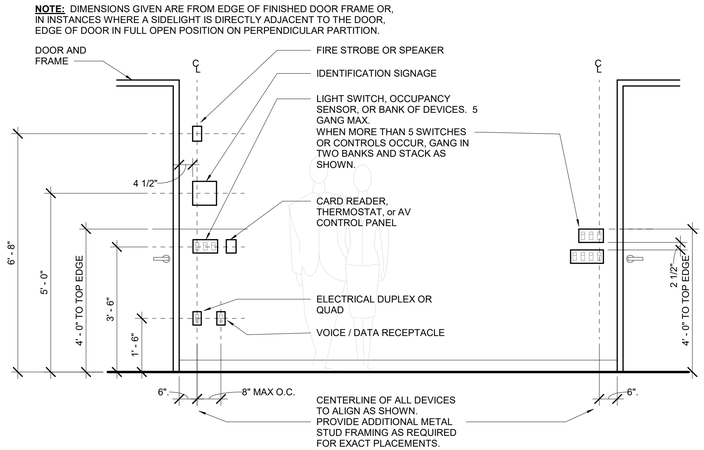
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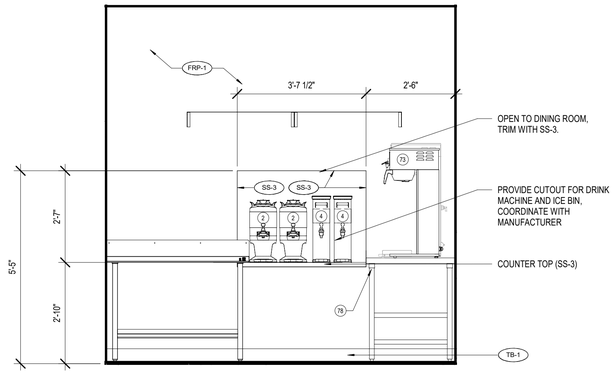
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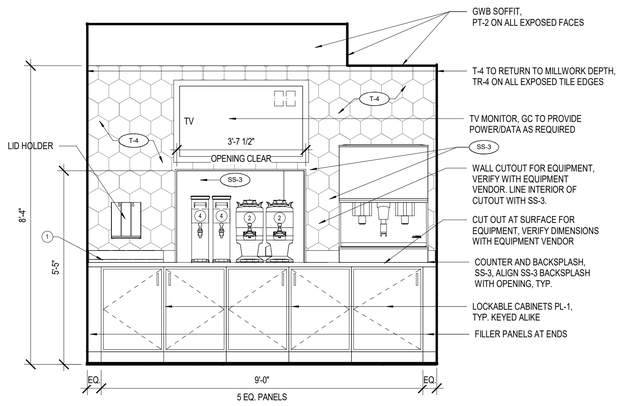
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D4 TYPICAL MOUNTING HEIGHTS
1/2" = 1'-0"



D2 INTERIOR - SOUTH ELEVATION KITCHEN
1/2" = 1'-0"



D1 DINING ROOM SELF SERVICE COUNTER - NORTH ELEVATION
SCALE 1/2" = 1'-0"

B5 EAST ELEVATION - GRAPHIC WALL 3
1/2" = 1'-0"

B4 DINING ROOM WALL "A" - NORTH ELEVATION
1/2" = 1'-0"

B3 NORTH ELEVATION
SCALE 1/2" = 1'-0"

B1 WEST ELEVATION - RESTROOM CORRIDOR
SCALE 1/2" = 1'-0"

B2 DINING ROOM WALL "B" - EAST ELEVATION
1/2" = 1'-0"

A3 WEST ELEVATION - INTERIOR
1/2" = 1'-0"

KEYNOTES

GENERAL NOTES

REFER TO KITCHEN PLAN, SHEET K1.1 FOR LIST OF KITCHEN EQUIPMENT

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STATE OF MISSOURI PAUL HAGLE A2002001418 REGISTERED ARCHITECT

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INTERIOR ELEVATIONS

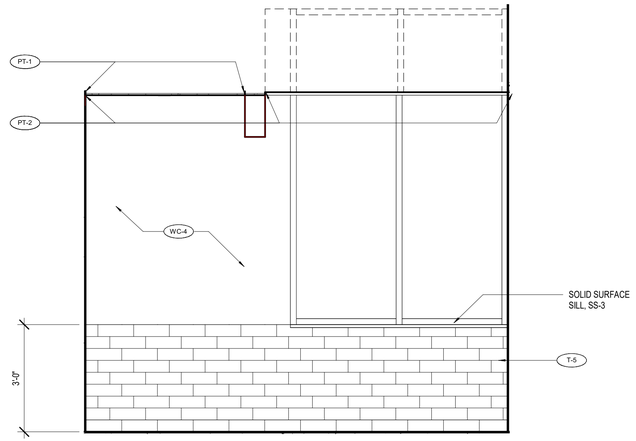
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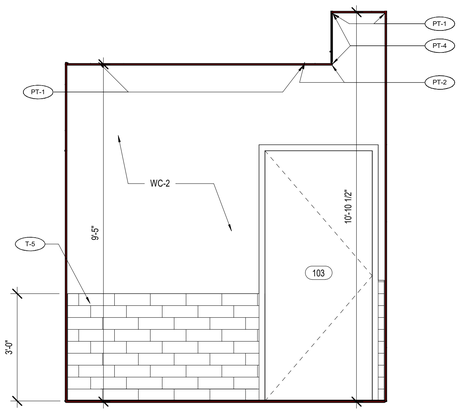
I2.1

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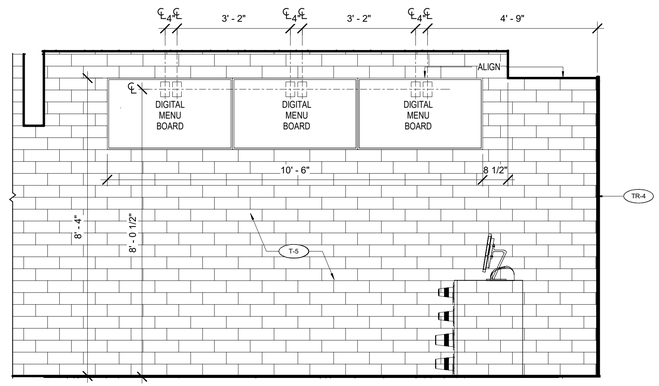
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D1 SOUTH ELEVATION - RESTROOM CORRIDOR
SCALE 1/2" = 1'-0"



B1 EAST ELEVATION - RESTROOM CORRIDOR
SCALE 1/2" = 1'-0"



A1 EAST ELEVATION - MENU BOARD
SCALE 1/2" = 1'-0"

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INTERIOR ELEVATIONS

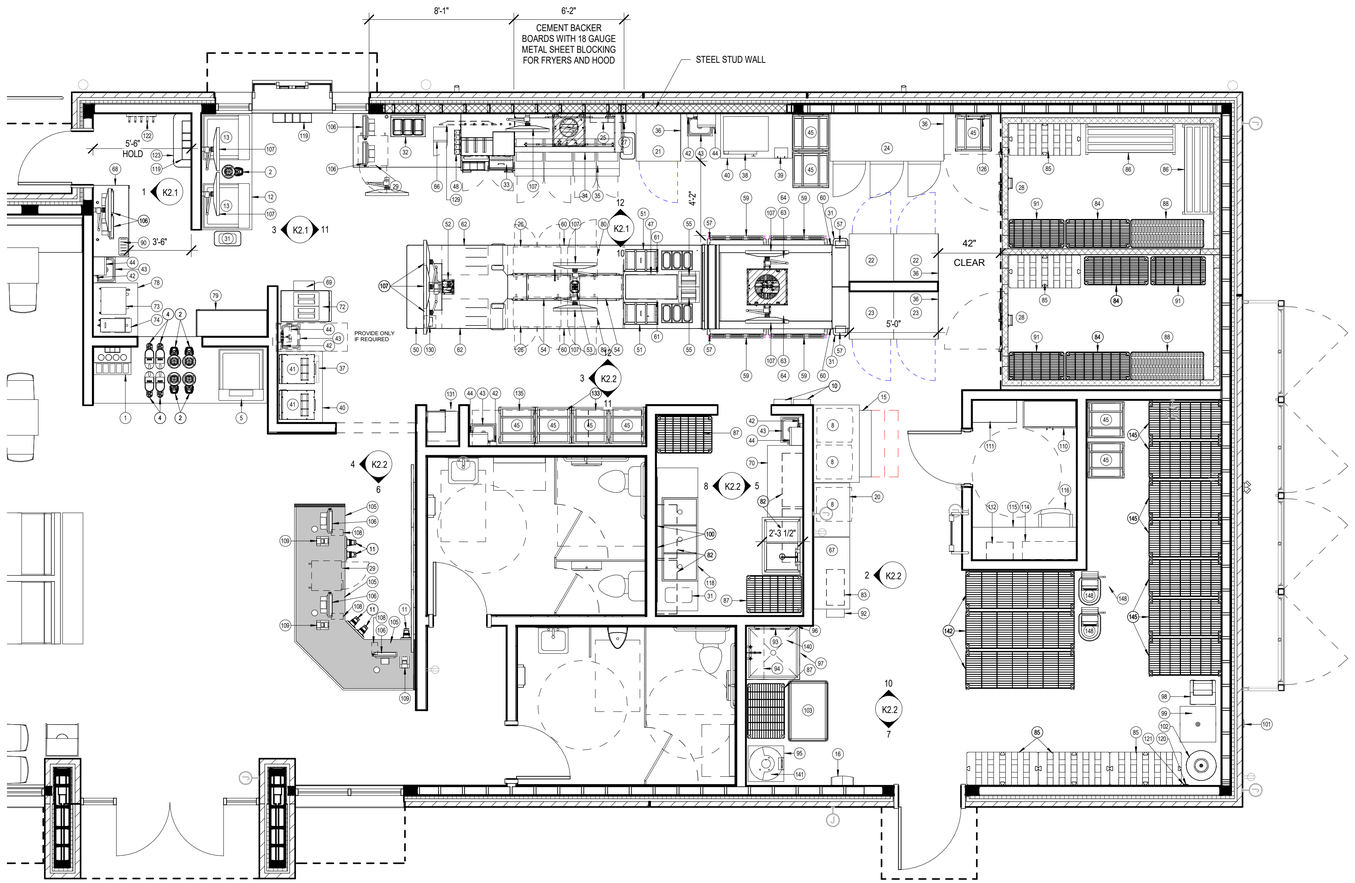
Scale

1/2" = 1'-0"

I2.2

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A1 FIRST FLOOR - KITCHEN PLAN

SCALE 1/4" = 1'-0"

KITCHEN EQUIPMENT SCHEDULE				
COMPANY NAME	DESCRIPTION	KITCHEN #	QTY.	WB #
			30	
IMPACT INDUSTRIES INC.	5 COMPARTMENT CONDIMENT BIN	1	1	83571
WILBUR CURTIS CO. INC.	THERMAL COFFEE DISPENSER	2	5	85976
WILBUR CURTIS CO. INC.	TEA DISPENSER	4	4	85542
LANCER	ICE BEVERAGE DISPENSER	5	1	
	WALL MOUNTED TABLET	7	4	
FOLLETT CORPORATION	HORIZONTAL ELITE ICE MAKER	8	3	90746
FOLLETT CORPORATION	ICE MANAGER DIVERTER VALVE	10	2	84277
IMPACT INDUSTRIES INC.	CUP DISPENSERS	11	5	83608
H&K DALLAS INC.	DRIVE THROUGH DRINK STATION STAND	12	1	84698
LANCER	ICE BEVERAGE DISPENSER	13	2	
	INSECT KILLER LIGHT	14	1	
FOLLETT CORPORATION	ICE STORAGE BIN	15	1	84001
	WATER FILTER SET	16	1	
	RECIRCULATION PUMP	19	1	
INTERMETRO INDUSTRIES CORP.	36" BIB STORAGE RACK	20	1	
ITW FOOD EQUIPMENT GROUP	2 HALF DOOR FREEZER W/ CASTERS - RIGHT HINGE	21	1	82212
ITW FOOD EQUIPMENT GROUP	2 HALF DOOR REFRIGERATOR W/ CASTERS - LEFT HINGE	22	2	82211
ITW FOOD EQUIPMENT GROUP	2 HALF DOOR REFRIGERATOR W/ CASTERS - RIGHT HINGE	23	2	82210
ITW FOOD EQUIPMENT GROUP	3 DOOR SUPER COOLER W/ CASTERS - LEFT HINGE	24	1	83406
H&K DALLAS INC.	ANSUL FOR FRY HOOD	25	1	
BEVERAGE AIR	UNDER COUNTER REFRIGERATOR (CENTER ISLAND)	26	2	83401
H&K DALLAS INC.	ANSUL FOR CLAMSHELL HOOD	27	1	
EVERIDGE LLC.	WALK IN COOLER/FREEZER/STORAGE	28	2	
BEVERAGE AIR	UNDERCOUNTER REFRIGERATOR - RIGHT HINGE	29	2	83400
H&K DALLAS INC.	PRE-WIRED DRIVE THROUGH STAND GFCI BREAKERS 2 PANELS FOR 10 BASKET FRYER	30	1	91116
H&K DALLAS INC.	RUBBERMAID TRASH CAN	31	7	83587
H&K DALLAS INC.	3 COMPARTMENT CONDIMENT BIN	32	1	90803
H&K DALLAS INC.	MOBILE FREEZER BASE W/ FRY DUMP TOP	33	1	90807
H&K DALLAS INC.	10 BASKET FRYER HOOD	34	1	90729
PITCO FRIALATOR INC.	10 BASKET FRYER	35	1	90725

KITCHEN EQUIPMENT SCHEDULE				
COMPANY NAME	DESCRIPTION	KITCHEN #	QTY.	WB #
H&K DALLAS INC.	STAINLESS TRAULSEN SHIELDS	36	4	82161
ASSOCIATED DISTRIBUTERS INC.	MICROWAVE	37	1	82290
STAR MANUFACTURING INTERNATIONAL INC.	LANG HALF SIZE ELECTRIC CONVECTION OVEN	38	1	82188
H&K DALLAS INC.	8 OZ GRAVY CUP/LID HOLDERS	39	1	83572
H&K DALLAS INC.	30"X48" WORK TABLE W/ 2 UNDERSHELF AND BACKSPLASH	40	2	83566
H&K DALLAS INC.	MOBILE ORDERING HOT HOLD BOX	41	2	86833
BRADLEY COPR.	WALL MOUNTED SOAP DISPENSER	42	5	
AERO MANUFACTURING	STAINLESS HANDSINK	43	5	84303
BRADLEY CORP.	WALL MOUNTED PAPER TOWEL DISPENSER	44	5	
	BUN RACKS	45	9	
H&K DALLAS INC.	LID HOLDER	46	1	83570
H&K DALLAS INC.	LABEL DISPENSER HOLDER TABLETOP (CENTRE ISLAND)	47	1	
H&K DALLAS INC.	DIPPING SAUCE DISPENSER	48	1	85597
H&K DALLAS INC.	PRE-WIRED CENTER ISLAND STAND	50	1	90823
H&K DALLAS INC.	2" DEEP 3RD SIZE STAINLESS PANS FOR THE 2ND GATOR CONDIMENT HOLDER (CENTER ISLAND)	51	2	507942 1
H&K DALLAS INC.	GATOR POWER CHASE	52	1	90800
H&K DALLAS INC.	CENTER ISLAND MONITOR CHASE W/ 3 J-BOXES	53	1	90801
DUKE MANUFACTURING CO.	DUKE WARMING BINS	54	2	86154
A.J. ANTUNES & CO.	BUN TOASTER	55	2	85706
H&K DALLAS INC.	87" DOUBLE SIDED CLAM SHELL GRILL HOOD	56	1	
H&K DALLAS INC.	GRILL SCRAPER HOLDERS	57	4	82145
H&K DALLAS INC.	DOUBLE SIDED CLAMSHELL GRILL	59	4	
H&K DALLAS INC.	STAINLESS LANDING SHELVES	60	2	
FAST INC.	TRANSFER ZONE TIMERS	61	2	82585
STAR MANUFACTURING INTERNATIONAL INC.	SETS TRANSFER ZONE PLATES	62	2	82431
CARTER HOFFMANN LLC	PIE HOLDER	66	1	85858
INTERMETRO INDUSTRIES CORP.	BIB RACK WITH BEVERAGE	67	1	
H&K DALLAS INC.	48" DOUBLE CASHIER STAND	68	1	
	TOMLINSON 4 COMPARTMENT LID HOLDER	69	1	
H&K DALLAS INC.	24"X48" WORK TABLE W/ 2 UNDERSHELF AND BACKSPLASH	70	1	
H.C. DUKE & SON LLC.	ELECTRO FREEZE 6 FLAVOR SHAKE MACHINE	72	1	86210
WILBUR CURTIS CO. INC.	TWIN COFFEE BREWER	73	1	85817
WILBUR CURTIS CO. INC.	TEA BREWER	74	1	85544
	LAPTOP CABINET	75	1	
	K GUARD FIRE EXTINGUISHERS	76	2	
	10LB ABC FIRE EXTINGUISHERS	77	4	
H&K DALLAS INC.	30"X36" WORK TABLE W/ 2 UNDERSHELF AND BACKSPLASH	78	1	91275
H&K DALLAS INC.	18"X48" WORK TABLE W/ 1 UNDERSHELF AND BACKSPLASH	79	1	91125
INTERMETRO INDUSTRIES CORP.	MOBILE TOAST CART SHELF UNITS	80	2	84475
CAMBRO MANUFACTURING COMPANY	WALL MOUNTED OVERHEAD SHELVES	82	4	
	CARBONATORS	83	1	
CAMBRO MANUFACTURING COMPANY	18"X42" VENTED SHELVES	84	3	
INTERMETRO INDUSTRIES CORP.	BOWTIE DUNNAGE RACK 20"X48"X12"	85	5	86306
INTERMETRO INDUSTRIES CORP.	20"X60"X12" DUNNAGE RACK	86	2	86309
	24"X48" FOUR TIER MOBILE SHELF UNITS	87	3	
CAMBRO MANUFACTURING COMPANY	18"X48" SHELF (WALK IN COOLER/FREEZER)	88	2	85535
	CHARGING STATION	90	1	
CAMBRO MANUFACTURING COMPANY	18"X36" VENTED SHELVES	91	3	85537
	PUMPS	92	1	
H&K DALLAS INC.	STAINLESS MOP HOLDER	93	1	
	LAMINATED MOP SINK SHELF	94	1	
H&K DALLAS INC.	STAINLESS WATER HEATER STAND	95	1	82143
H&K DALLAS INC.	3'X3' STAINLESS MOP SINK ANGLE	96	1	85149
H&K DALLAS INC.	MOP SINK TREAD	97	1	
FRONTLINE INTERNATIONAL INC.	GREASE CADDY WITH DIRECT PIPE	98	1	90684
	GREASE TANK	99	1	
H&K DALLAS INC.	STAINLESS BASE TILE GUARD	100	2	84786
	GREASE GAURD	101	1	
NUCO2 LLC.	BULK CO2 TANK W/ LEGS	102	1	84238
	ROLLING TRASH BIN	103	1	
	CHECK BACK TRAY HOLDER	104	1	
	CASH DRAWERS	105	7	
	CASH REGISTERS	106	7	
	FLAT SCREEN KDS MONITORS	107	13	
BLACKIES WELDING WORKS INC.	LOCK BOXES	108	7	80014
	RECEIPT PRINTERS	109	6	
	2 DOOR LOCKABLE STORAGE CABINET	110	1	
	4 DRAWER FILE CABINET	111	1	
WANRACK LLC	WALL MOUNTED WANRACK	112	1	
	LAMINATED WALL MOUNTED SHELVE ON HEAVY TRACK	114	1	
	LAMINATED OFFICE DESK	115	1	
	OFFICE CHAIR	116	1	
H&K DALLAS INC.	SINGLE COMPARTMENT PREP SINK BOWL LEFT W/ FAUCET & TWIST DRAIN	117	1	83577
H&K DALLAS INC.	3 COMPARTMENT SINK, 8' LONG W/ FAUCETS & TWIST DRAINS	118	1	82167
	4 COMPARTMENT WALL MOUNTED CONDIMENT BIN	119	2	
	CO2 SENSOR @ 12" AFF	120	1	
	HORN STROBE @ 84" AFF	121	1	
	VEST RACK	122	1	
H&K DALLAS INC.	12"X36" WALL MOUNTED ASSEMBLY SHELF W/ ROUNDED CORNERS	123	1	91207
	FIRST AID KIT	125	1	
	HME SYSTEM	126	1	
	EXTERIOR TRASH CANS W/ LIDS	127	2	90836
	SMOKER'S OUTPOST	128	2	
	43" WALL MOUNTED HUD MONITOR	129	1	
	PRE_PRODUCTION TABLET AND MOUNT - SAMSUNG GALAXY TAB	130	1	
CENNOX SECURITY PRODUCTS LLC	ELECTRIC SMART SAFE	131	1	
INTERMETRO INDUSTRIES CORP.	24"X36" WALL MOUNTED WIRE SHELF	133	4	91131
INTERMETRO INDUSTRIES CORP.	24"X24" WALL MOUNTED WIRE SHELF	134	1	
INTERMETRO INDUSTRIES CORP.	24"X42" WALL MOUNTED WIRE SHELF	135	3	91133
H&K DALLAS INC.	3'X3'STAINLESS MOP SINK	140	1	
	WATER HEATER	141	1	
	24"X72" MOBILE STORAGE RACK	142	3	
	24"X48" MOBILE STORAGE RACK	145	7	
	MOP BUCKET	148	2	

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Seal / Signature

STATE OF MISSOURI
PAUL HAGLE
A2002001418
REGISTERED ARCHITECT

Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

KITCHEN EQUIPMENT

Scale

1/4" = 1'-0"

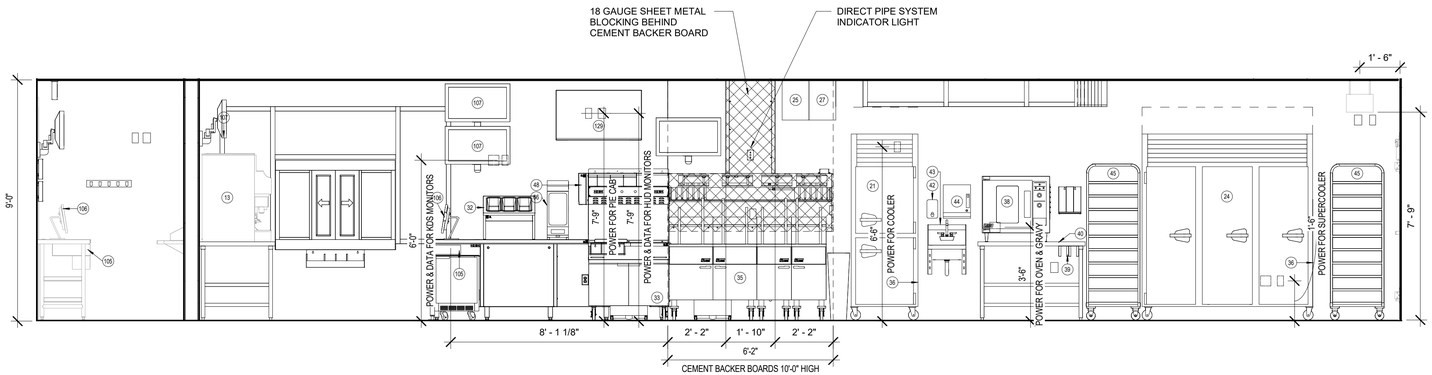
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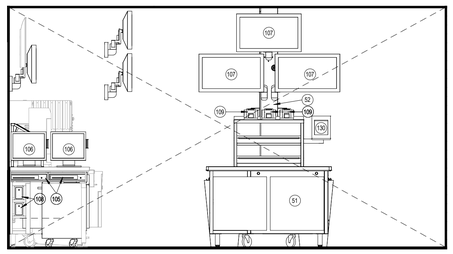
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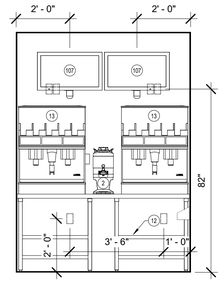
GENERAL NOTES

1. PROVIDE 2x12 BLOCKING FOR ALL OVERHEAD SHELVING, TYP.
2. ALL OVERHEAD SHELVING TO BE INSTALLED AT 7'-0" TYP. U.N.O.



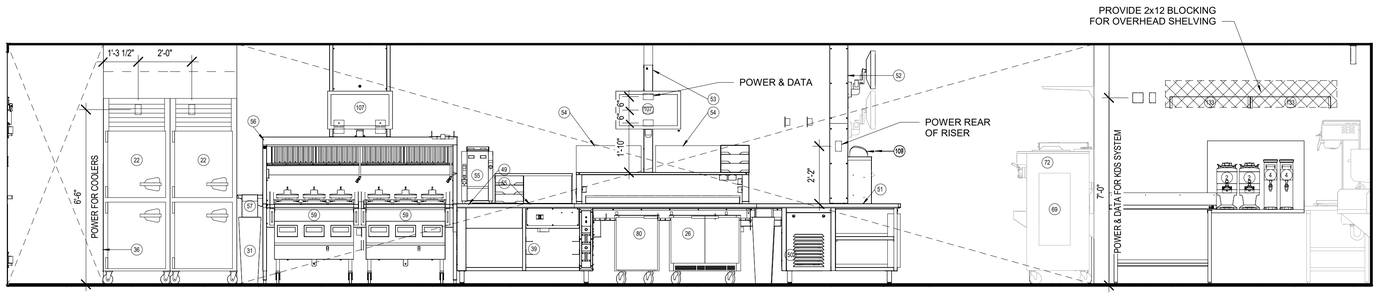
12 DRIVE THRU FRY LINE
SCALE 3/8" = 1'-0"



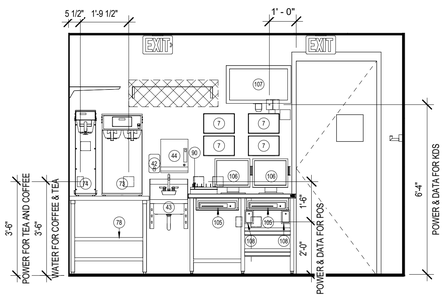


11 GATOR
SCALE 3/8" = 1'-0"

3 DRIVE THRU DRINK DISPENSER
SCALE 3/8" = 1'-0"



10 DRIVE THRU COOK LINE
SCALE 3/8" = 1'-0"



1 EXPEDITE DOOR
SCALE 3/8" = 1'-0"

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STATE OF MISSOURI
HAGLE
A2002001418
REGISTERED ARCHITECT

Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

KITCHEN ELEVATIONS

Scale

3/8" = 1'-0"

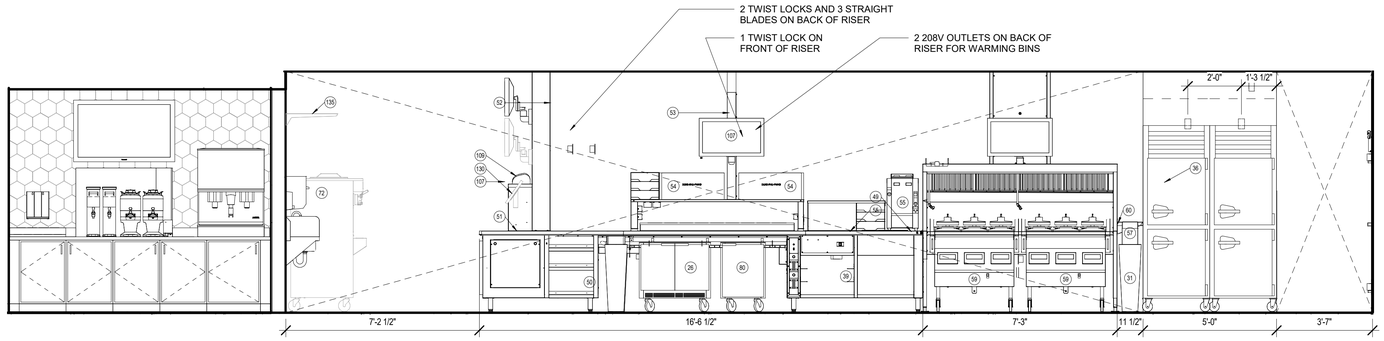
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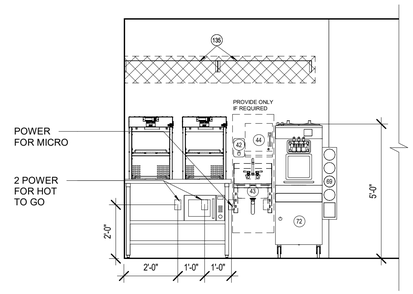
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GENERAL NOTES

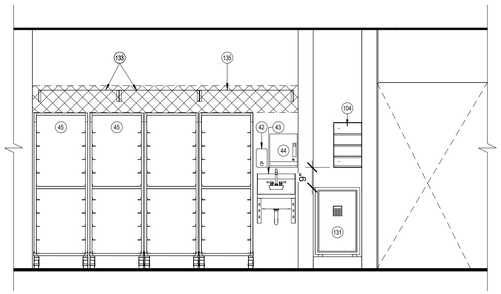
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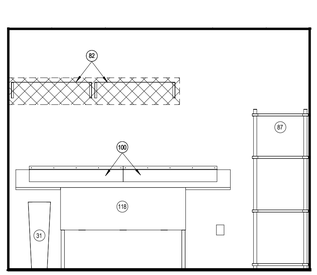
12 DINING COOK LINE
SCALE 3/8" = 1'-0"



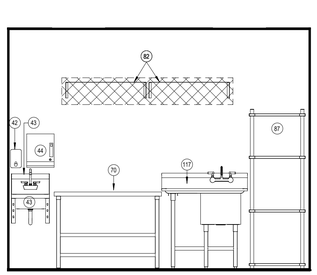
3 SHAKE AND HOT COLD
SCALE 3/8" = 1'-0"



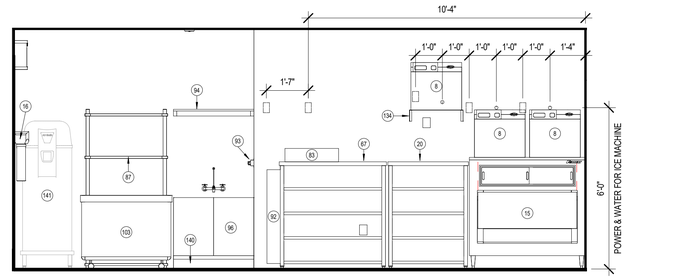
11 BUN RACKS
SCALE 3/8" = 1'-0"



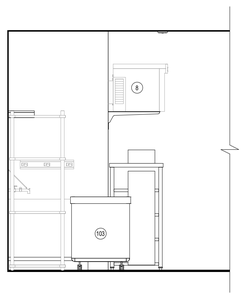
8 DISH WASH
SCALE 3/8" = 1'-0"



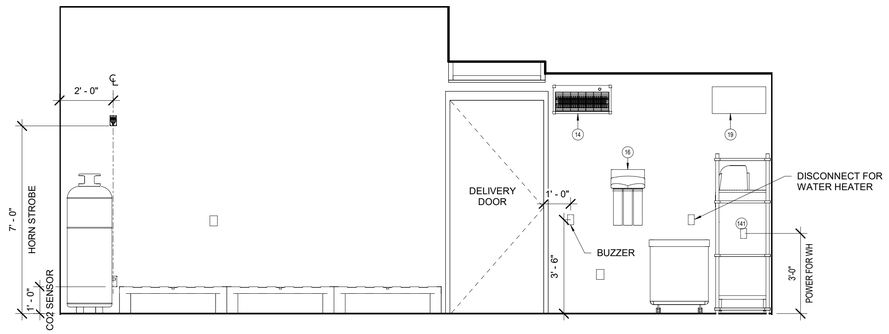
5 PREP
SCALE 3/8" = 1'-0"



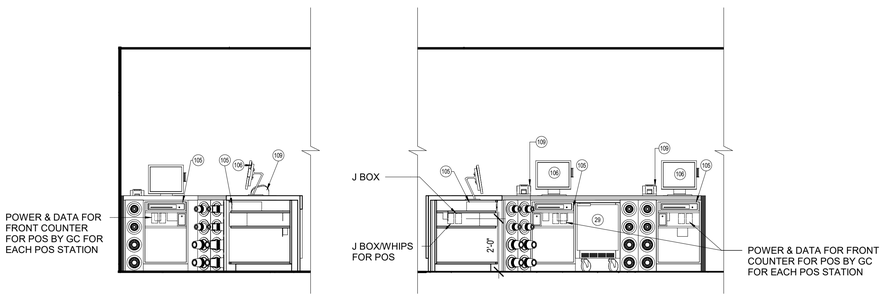
2 SERVICE ENTRY HALL
SCALE 3/8" = 1'-0"



10 SERVICE ENTRY HALL 3
SCALE 3/8" = 1'-0"



7 SERVICE ENTRY HALL 2
SCALE 3/8" = 1'-0"



4 SERVICE COUNTER
SCALE 3/8" = 1'-0"

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PAUL HAGLE
A2002001418
REGISTERED ARCHITECT

Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

KITCHEN ELEVATIONS

Scale

3/8" = 1'-0"

K2.2

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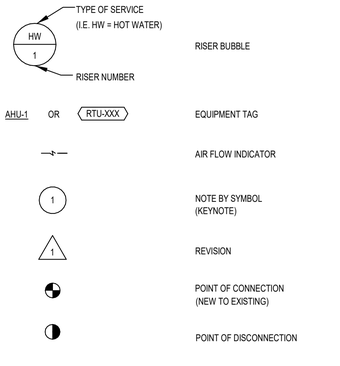
PLUMBING SYMBOLS

(SOME SYMBOLS MAY NOT BE USED ON THE DRAWINGS)

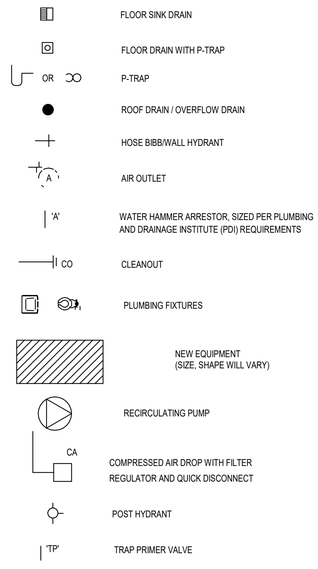
ABBREVIATIONS

ABV	ABOVE
ADJ	ADJUSTABLE
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ARCH	ARCHITECT, ARCHITECTURAL
AV	ACID VENT
AVG	AVERAGE
AW	ACID WASTE
BFF	BELOW FINISHED FLOOR
BLDG	BUILDING
BOP	BOTTOM OF PIPE
BOS	BOTTOM OF STRUCTURE
BTU	BRITISH THERMAL UNIT
CAP	CAPACITY
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CI	CAST IRON
CIRC	CIRCULATING
℄	CENTERLINE
CLG	CEILING
CO	CLEANOUT
CPVC	CHLORINATED POLYVINYL CHLORIDE
CW	COLD WATER
DCW	DOMESTIC COLD WATER
DGCO	DOUBLE GRADE CLEANOUT
DEG	DEGREES
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DS	DOWNSPOUT
DWG	DRAWING
EA	EACH
ELEC	ELECTRICAL
ELEV	ELEVATION
EQUIP	EQUIPMENT
EWB	ENTERING WET BULB
EWC	ELECTRICAL WATER COOLER
EXIST	EXISTING
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FL	FLOW LINE
FLR	FLOOR
FS	FLOOR SINK
F/A	FROM ABOVE
F/B	FROM BELOW
FT	FOOT, FEET
GND	GROUND
G	NATURAL GAS
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GCO	GRADE CLEANOUT
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GT	GREASE TRAP/INTERCEPTOR
GW	GREASE WASTE
HD	HUB DRAIN
HOR	HORIZONTAL
HP	HORSEPOWER
HTG	HEATING
IE	INVERT ELEVATION
IN	INCH
WC	WATER COLUMN
KW	KILOWATT
L	LENGTH
LAV	LAVATORY
LB	POUNDS
LF	LINEAR FEET
MAN	MANUAL
MAX	MAXIMUM
MECH	MECHANICAL
MFGR	MANUFACTURER
MIN	MINIMUM
MS	MOP SINK
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OC	ON CENTER
OH	OVERHEAD
ORD	OVERFLOW ROOF DRAIN
PH	PHASE
PLBG	PLUMBING
PSI	POUNDS PER SQUARE INCH
PRV	PRESSURE RELIEF VALVE, PRESSURE REDUCING VALVE
PVC	POLYVINYL CHLORIDE
QTY	QUANTITY
RD	ROOF DRAIN
RE:	REFERENCE, REFER
RECIRC	RECIRCULATE
REINF	REINFORCING
REQD	REQUIRED
REV	REVISION, REVISE
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
SAN	SANITARY
SEC	SECONDS
SF	SQUARE FEET
SIM	SIMILAR
SQ	SQUARE
SS	STAINLESS STEEL
STD	STANDARD
STL	STEEL
SUSP	SUSPEND
TEMP	TEMPERATURE
THRU	THROUGH
TP	TRAP PRIMER
TYP	TYPICAL
U/F	UNDERFLOOR
U/G	UNDERGROUND
U/S	UNDERSLAB
UON	UNLESS OTHERWISE NOTED
UR	URINAL
V	VENT
VAC	VACUUM
VERT	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
VTR	VENT THROUGH ROOF
W	WATT, WIDTH
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET, WATER COLUMN
WH	WALL HYDRANT
WT	WEIGHT

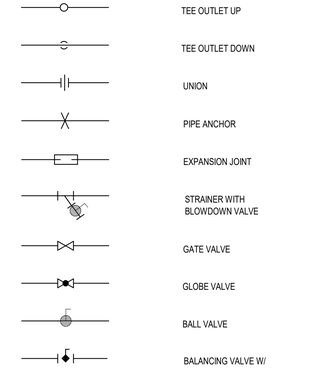
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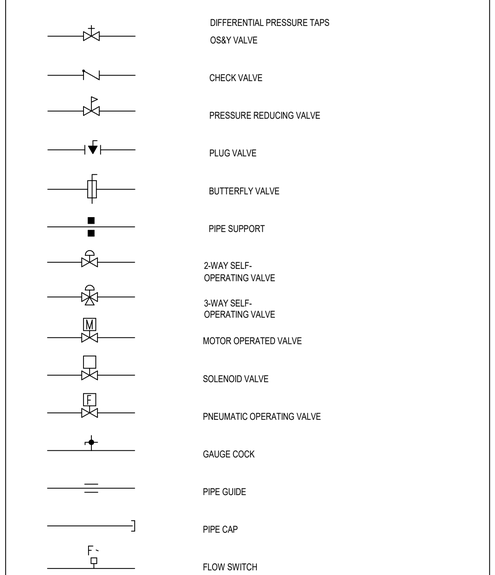


PLUMBING SYMBOLS



PIPING SYMBOLS





PIPING LABELS

S	SANITARY WASTE
V	SANITARY VENT
GW	GREASE WASTE
WG	WASTE GREASE FROM FRYERS
CD	CONDENSATE DRAIN
AW	ACID WASTE
AV	ACID VENT
NPW	NON-POTABLE WATER
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RECIRCULATION
RO	REVERSE OSMOSIS WATER
SW	SOFT WATER
CA (100)	COMPRESSED AIR (PRESSURE NOTED)
G	NATURAL GAS
LPG	PROPANE GAS
TD	TRENCH DRAIN LINE
RD	ROOF DRAIN
OD	OVERFLOW DRAIN
NPW	NON-POTABLE WATER
TP	TRAP PRIMER
RO	REVERSE OSMOSIS WATER
VAC	VACUUM
A-EX	AIR EXHAUST FOR DIRECT VENT GAS WATER HEATER
A-IN	AIR INTAKE FOR DIRECT VENT GAS WATER HEATER

GENERAL NOTES

A. REFER TO SPECIFICATIONS FOR MATERIALS AND METHODS FOR CONSTRUCTION.

B. COORDINATE WORK WITH ALL OTHER TRADES.

C. MAINTAIN A MINIMUM OF 8 INCHES ABOVE FINISHED CEILING TO PROVIDE CLEARANCE FOR LIGHTING FIXTURES.

D. PLUMBING CONTRACTOR SHALL VERIFY ALL INVERT ELEVATIONS WITH THE CIVIL DRAWINGS PRIOR TO COMMENCING WORK.

E. ROUTE PIPING CONCEALED THROUGHOUT EXCEPT WHERE INDICATED.

F. SLOPE ALL SANITARY PIPING AT 1/4" PER FOOT MINIMUM UNLESS NOTED OTHERWISE.

G. LOCATE CLEANOUTS WHERE INDICATED. EXACT PLACEMENT SHALL PROVIDE NECESSARY CLEARANCES AS PER THE LOCAL PLUMBING CODE. PROVIDE ADDITIONAL FLOOR CLEANOUTS AS NECESSARY TO COMPLY WITH CODES AND THE LOCAL AUTHORITY HAVING JURISDICTION.

H. COORDINATE THE EXACT LOCATION OF SLEEVES, FLOOR DRAINS, FLOOR SINKS, AND FLOOR CLEANOUTS WITH THE ARCHITECTURAL AND STRUCTURAL DRAWINGS, AND MECHANICAL EQUIPMENT LOCATIONS PRIOR TO INSTALLATION OF DRAINS.

I. COORDINATE WORK WITH ARCHITECTURAL FEATURES AND COORDINATE WORK SO THAT INTERFERENCES BETWEEN PIPING, EQUIPMENT, MECHANICAL WORK, ELECTRICAL WORK, AND BUILDING STRUCTURE WILL BE AVOIDED.

J. FURNISH ACCESS DOORS IN WALLS AND CEILINGS TO ACCESS CONCEALED PLUMBING EQUIPMENT, VALVES, WATER HAMMER ARRESTORS, CONTROLS, AND OTHER DEVICES.

K. VERIFY EXACT LOCATIONS OF CITY SANITARY SEWER AND WATER MAINS, AND ADJUST PIPING LOCATIONS AS REQUIRED BY CODE.

L. FURNISH AND INSTALL GREASE INTERCEPTOR PER DETAIL IN THIS DRAWING SET OR AS REQUIRED BY CODE.

M. FURNISH AND INSTALL CONDENSATE AND INDIRECT DRAINS FROM KITCHEN EQUIPMENT AS DIRECTED BY KITCHEN EQUIPMENT MANUFACTURER.

N. POTABLE WATER SYSTEM DESIGN IS BASED UPON A PRESSURE OF 50.5 PSI AVAILABLE AT THE BUILDING. IF CONDITIONS ARE DIFFERENT, ADJUST PIPE SIZING ACCORDINGLY.

O. COORDINATE PLUMBING FIXTURE PLACEMENT WITH WALL LOCATIONS AS DIMENSIONED ON ARCHITECTURAL DRAWINGS.

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STATE OF MISSOURI
CONNER B. STURDIVANT
NUMBER PE-2019030746
PROFESSIONAL ENGINEER
3/17/23

Project Name PT22M LEE'S SUMMIT, MO

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

PLUMBING SYMBOLS AND ABBREVIATIONS

Scale

12" = 1'-0"

P0.1

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PROJECT: WHATABURGER
LOCATION: LEE'S SUMMIT, MO

FIXTURE UNIT COUNT

ITEM	QTY.	TRAP SIZE	D.F.U.	TOTAL D.F.U.	W.S.F.U.	TOTAL W.S.F.U.
WATER CLOSET (FLUSH TANK)	3	4"	4.0	12.0 SAN.	5.0	15.0
URINAL (FLUSH VALVE)	1	2"	2.0	2.0 SAN.	2.0	2.0
LAVATORY	2	1.25"	1.0	2.0 SAN.	1.0	2.0
HAND SINK	4	1.25"	2.0	8.0 SAN.	1.5	6.0
MOP SINK	1	3"	3.0	3.0 GW	3.0	3.0
3-COMP. SINK (1 FAUCET)	1	FS	-	- GW	4.0	4.0
PREP SINK	1	FS	-	- GW	3.0	3.0
MISC. EQUIP. ITEMS	5	FS	-	- GW	1.0	5.0
HOSE BIBB # 1	1	-	-	-	2.5	2.5
HOSE BIBB # 2	1	-	-	-	1.0	1.0
FLOOR SINK	2	3"	5.0	10.0 SAN.	-	-
FLOOR SINK (KITCHEN)	4	3"	5.0	20.0 GW	-	-
FLOOR DRAIN (RESTROOM)	2	2"	2.0	4.0 SAN.	-	-
TOTAL FIXTURE UNITS:				23.0 GW 38.0 SAN.		W.S.F.U. 43.5

W.S.F.U.	43.5 FU = 27.3 GPM (1-1/2" MIN. WATER SERVICE)
D.F.U.	61.0 FU = 4" PIPING HORIZONTAL @ 1/4" PER FOOT SLOPE (216 FU MAX.)

DOMESTIC WATER CALCULATIONS

DOMESTIC WATER SERVICE = 1-1/2" WATER METER AND SUPPLY TO BUILDING

43.5 WSFU = 27.3 GPM - ON FLUSH TANK SYSTEM

27.3 GPM = 3.0 PSI LOSS - FOR DISK TYPE 1-1/2" METER

AVAILABLE PRESSURE	ESTIMATE -	52	PSI
PRESS. LOSS ACROSS METER	LOSS -	3.0	PSI
STATIC PRESS. LOST (ELEV.) (5'-0" X 0.43)	LOSS -	2	PSI
BACKFLOW PREVENTER - 1 1/2" RPZ	LOSS -	10	PSI
TOTAL PRESSURE AVAILABLE		37.0	PSI
DISTANCE FROM METER TO LAST FIXTURE		300'	
TOTAL DEVELOPED LENGTH OF SYSTEM (X 1.25)		375'	
ALLOW. PRESS. LOSS/100 FT.	37.0 X 100' / 375'	9.9	PSI
AVERAGE PRESS. DROP AVAILABLE FOR FRICTION		9.9	PSI
FRICTION LOSS-LBS. PER SQ. IN. HEAD PER 100-FOOT LENGTH SMOOTH PIPE	VELOCITY = 5.0 FPS	3.0	PSI

FORMULA FOR MIXING HOT AND COLD WATER

M-C / H-C = % OF HOT WATER REQUIRED TO PRODUCE DESIRED MIXED TEMPERATURE

M = MIXED WATER TEMPERATURE
C = COLD WATER TEMPERATURE
H = HOT WATER TEMPERATURE

TEMPERATURE FACTORS -- COLD WATER

WHEN INCOMING COLD WATER IS	MULTIPLY HOT WATER LOAD BY
50°	0.90
60°	0.80
70°	0.70

GENERAL PURPOSE HOT WATER CONSUMPTION GUIDE FOR VARIOUS KITCHEN USAGES.

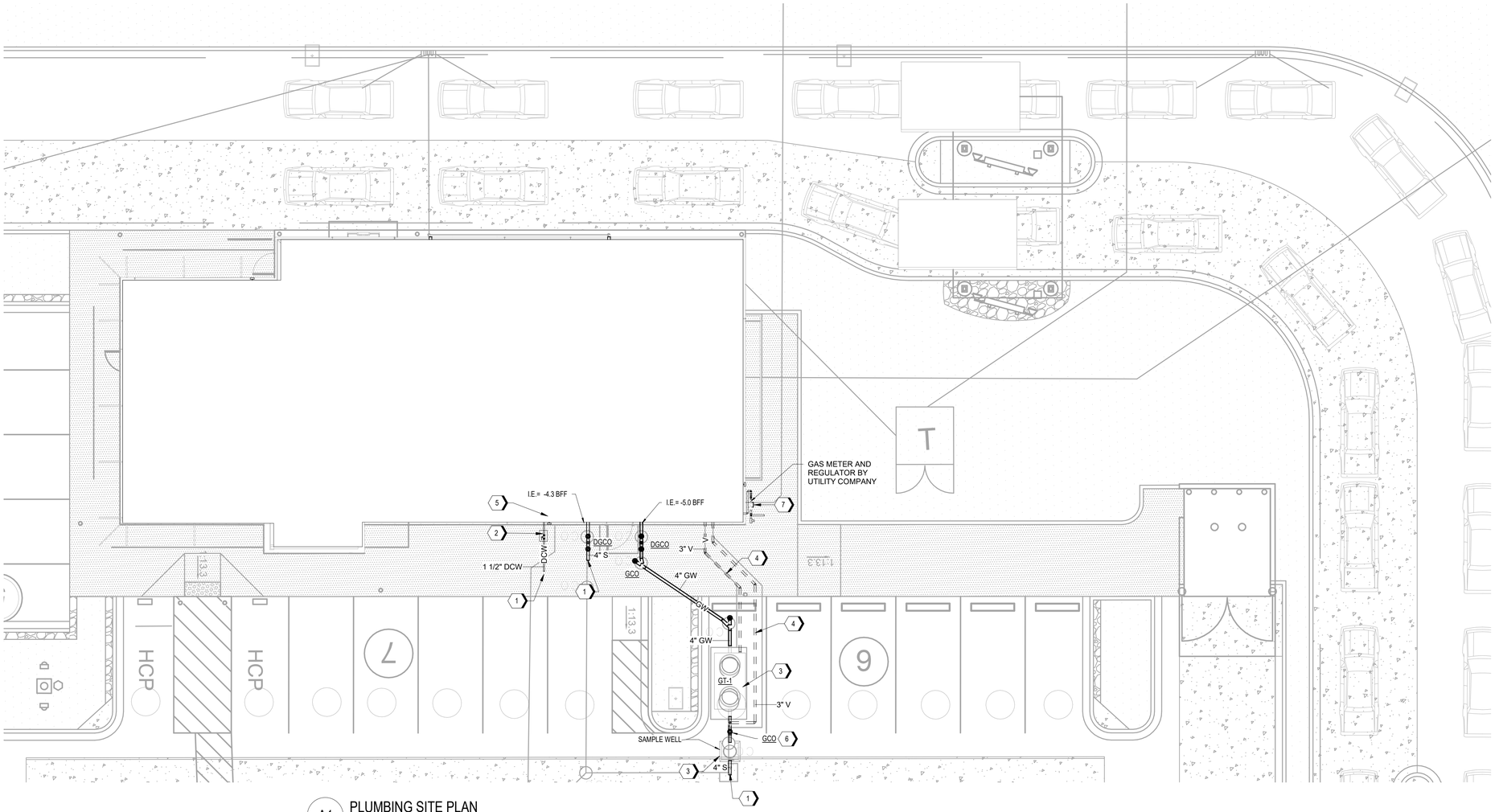
APPLICATION	QTY.	CONSUMPTION (GPH)
PREP SINK	1	1 X 30 = 30
TRIPLE POT SINK	1	1 X 90 = 90
HAND SINKS	4	4 X 5 = 20
LAVATORIES	2	2 X 6 = 12
MOP SINK (OFF PEAK = 0)	1	1 X 10 = 10
TOTAL		162 GPH @ 80° RISE

TOTAL CONSUMPTION	TEMP. FACTOR	TOTAL GPH REQUIRED
162 GPH	X 0.80	= 130 GPH @ 80° RISE

B1 FIXTURE UNIT CALCULATIONS
SCALE: N.T.S.

B2 DOMESTIC WATER SERVICE CALCULATIONS
SCALE: N.T.S.

B3 WATER HEATER CALCULATIONS
SCALE: N.T.S.



A1 PLUMBING SITE PLAN
1/8" = 1'-0"

KEYNOTES

1	REFERENCE CIVIL FOR CONTINUATION.
2	MAIN SHUT-OFF VALVE IN CAST IRON BLOCK. INSTALL AT 42" BELOW FINISHED GRADE MINIMUM.
3	BELOW GRADE GREASE INTERCEPTOR. REFER TO SHEET P4.1 FOR DETAIL. COORDINATE LOCATION WITH CONSTRUCTION MANAGER AND CIVIL ENGINEER'S CONSTRUCTION DRAWINGS.
4	GREASE INTERCEPTOR VENTS BELOW GRADE, EXTEND TO BUILDING. SEE P1.2 FOR CONTINUATION.
5	DOMESTIC WATER SERVICE ENTRANCE. SEE PLUMBING FLOOR PLAN SHEET P1.1 FOR CONTINUATION AND CIVIL PLANS FOR POINT OF CONNECTION. REFER TO CIVIL UTILITY PLAN FOR BACKFLOW PREVENTER (BFP) COMPLYING WITH LOCAL GOVERNING JURISDICTION REQUIREMENTS.
6	CONTRACTOR SHALL FURNISH AND INSTALL A TRAFFIC RATED EXTERIOR CLEAN-OUT. THE CLEAN-OUT SHALL BE INSTALLED FLUSH WITH THE FINISHED GRADE AND IN CASED IN 8" OF CONCRETE.
7	COORDINATE GAS PIPE ROUTING TO AVOID INTERFERENCE WITH CO2 PORT AND GREASE GUARD (PORT). REFER TO ARCHITECTURAL DRAWINGS FOR PORT ELEVATIONS.

GENERAL NOTES

A. REFER TO P0.1 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.

B. REFER TO REFER TO CIVIL DRAWINGS FOR ADDITIONAL PLAN AND DETAIL INFORMATION.

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240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

PLUMBING SITE PLAN

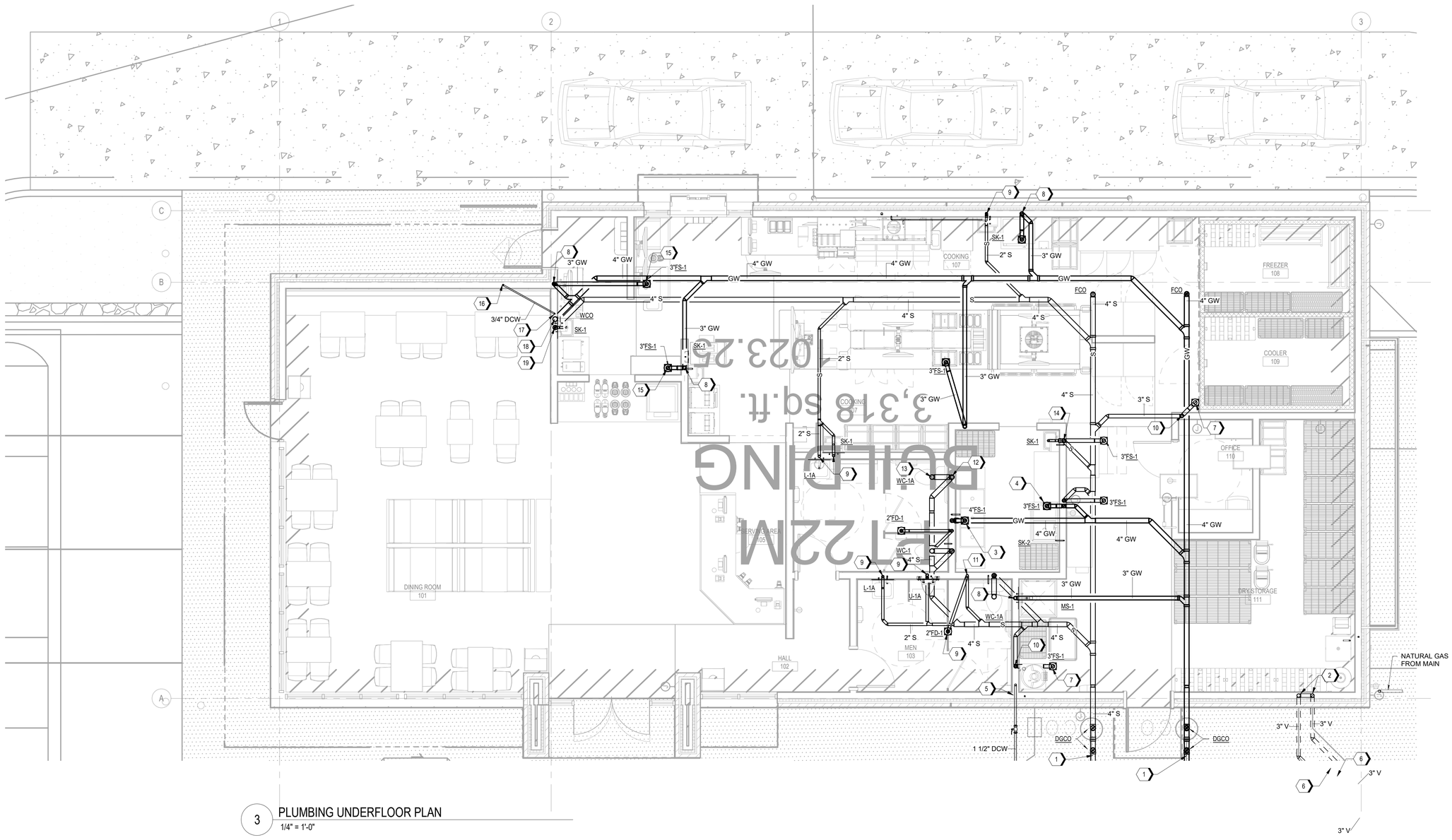
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3 PLUMBING UNDERFLOOR PLAN
1/4" = 1'-0"

KEYNOTES

1	REFERENCE PLUMBING SITE PLAN FOR CONTINUATION.
2	ROUTE VENTS FROM GREASE INTERCEPTOR WITH WALL CLEANOUTS DIRECTLY TO ROOF. COMBINE 3" VENTS AT 3'-0" AFF (MIN.) IF PERMITTED BY AHJ.
3	ROUTE INDIVIDUAL COPPER DRAIN LINES FROM EACH SINK BASIN AND DISCHARGE INDIRECTLY TO FLOOR SINK WITH CODE APPROVED AIR GAP.
4	ROUTE COPPER DRAIN LINE FROM SINK BASIN AND DISCHARGE INDIRECTLY TO FLOOR SINK WITH CODE APPROVED AIR GAP.
5	1 1/2" DOMESTIC WATER ENTRY. RE: DETAILS.
6	GREASE INTERCEPTOR VENTS BELOW GRADE, EXTEND TO BUILDING. SEE P1.2 FOR CONTINUATION.
7	3" SANITARY WASTE DOWN FROM PLUMBING FIXTURE ABOVE.
8	3" GREASE WASTE DOWN, 2" VENT UP.
9	2" SANITARY WASTE DOWN FROM PLUMBING FIXTURE ABOVE.
10	3" SANITARY WASTE DOWN, 2" VENT UP.
11	2" SANITARY WASTE DOWN, 2" VENT UP.
12	4" SANITARY WASTE DOWN, 2" VENT UP.
13	4" SANITARY WASTE DOWN FROM PLUMBING FIXTURE ABOVE.
14	PROVIDE 3" COMBINATION WASTE/VENT TO SERVE HAND SINK AND FLOOR DRAIN.
15	3" GREASE WASTE DOWN FROM PLUMBING FIXTURE ABOVE.
16	ROUTE 3/4" COLD WATER UP AND CONNECT TO WALL HYDRANT.
17	3/4" COLD WATER DOWN FROM ABOVE.
18	4" GREASE WASTE DOWN FROM WALL CLEANOUT.
19	4" SANITARY WASTE DOWN FROM WALL CLEANOUT. PROVIDE WITH 2" WASTE BRANCH AND CONNECT TO HAND SINK DRAIN.

GENERAL NOTES

A. REFER TO P0.1 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.

B. REFER TO PLUMBING RISER DIAGRAMS AND SCHEDULES FOR ADDITIONAL PIPE ROUTING AND SIZING.

C. NO 90 DEGREE WASTE FITTINGS ARE TO BE USED IN THE HORIZONTAL POSITION BELOW THE SLAB. UTILIZE 45 DEGREE FITTINGS CREATING A MINIMUM 3' SWEEP.

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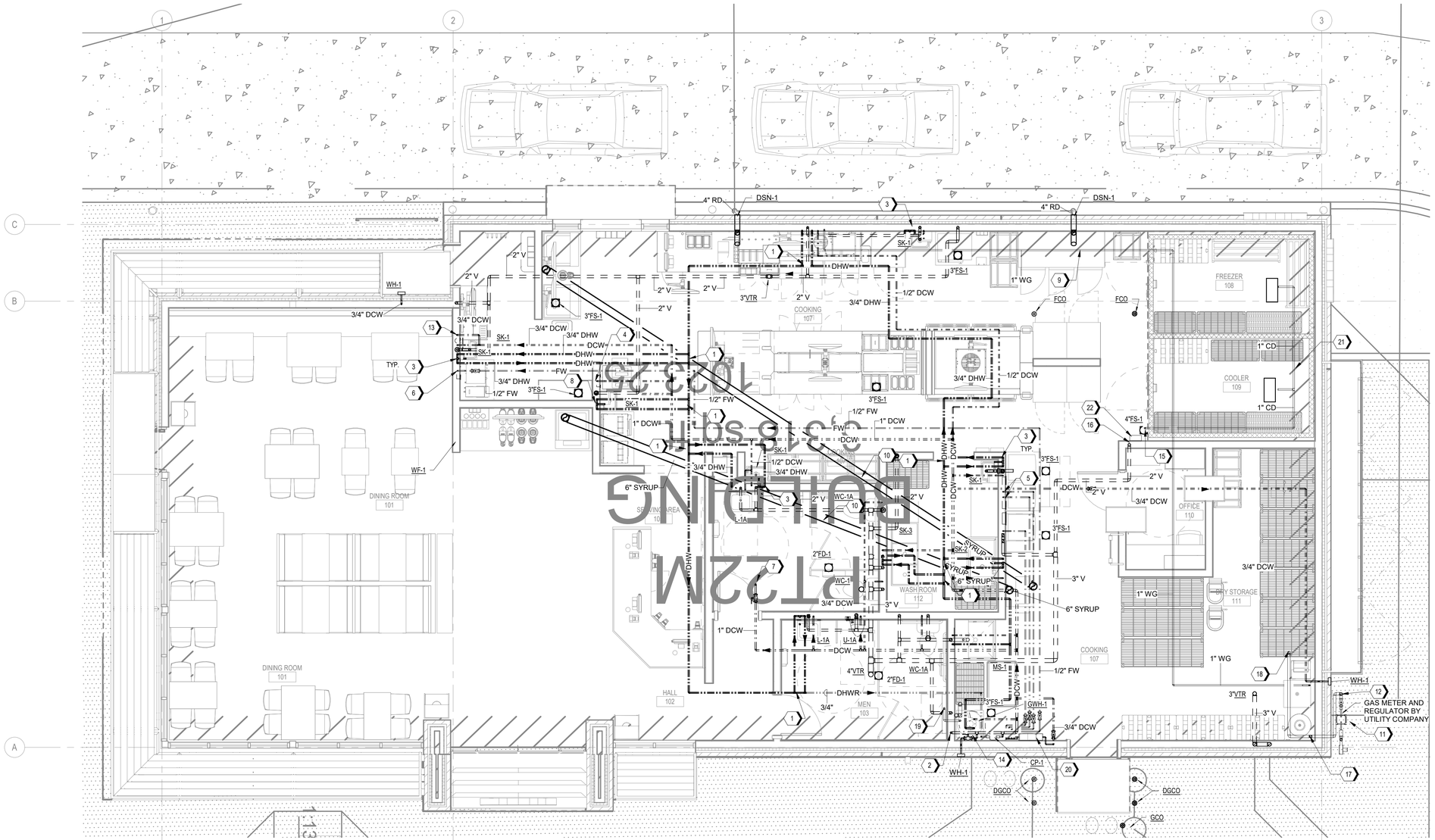
Description
PLUMBING UNDERFLOOR PLAN

Scale
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1 PLUMBING FLOOR PLAN
1/4" = 1'-0"

KEYNOTES

1	NORMALLY CLOSED BALL VALVE.
2	1 1/2" DOMESTIC WATER ENTRY. RE: DETAILS.
3	ROUTE DOMESTIC HOT WATER LOOP DOWN IN WALL TO BEHIND FIXTURES STOPS.
4	ROUTE 3/8" DCW DOWN IN WALL TO SHAKE MACHINE. PROVIDE STUB-OUT AT 24" AFF. PROVIDE CITY APPROVED TESTABLE BACKFLOW PREVENTER 24" FROM CORNER.
5	ROUTE 1/2" FW DOWN IN WALL AND PROVIDE STUB-OUT WITH SHUT-OFF VALVE AT ICE MACHINE CONNECTION(S), APPROXIMATELY 62" AFF. PROVIDE CITY APPROVED TESTABLE BACKFLOW PREVENTER.
6	ROUTE 1/2" FW DOWN IN WALL AND PROVIDE (2) 3/8" STUB-OUT CONNECTIONS WITH SHUT-OFF VALVES AT 48" AFF FOR COFFEE AND TEA BREWERS. PROVIDE CITY APPROVED TESTABLE BACKFLOW PREVENTER OR DUAL STOP.
7	1" DCW UP TO ROOF HYDRANT. ROUTE DRAIN FULL-SIZED TO DISCHARGE INTO MOP SINK.
8	PROVIDE 1/2" CW & HW TO WF-1 WALL MTD FAUCET AT 60" A.F.F. (WITH SHUT-OFF VALVES).
9	1" BLACK IRON USED GREASE PIPING TO STORAGE TANK. ROUTE ABOVE CEILING. TERMINATE 6" AFF AT THE FRYERS.
10	SYRUP CONDUIT BY DRINK INSTALLER ABOVE CEILING. RE: ARCHITECTURAL PLANS FOR DETAILS.
11	GAS METER AND REGULATOR BY UTILITY COMPANY.
12	PROVIDE 2" GAS BRANCH, WITH SHUT-OFF VALVE AND DIRT LEG. COORDINATE GAS PIPE ROUTING TO AVOID INTERFERENCE WITH CO2 PORT AND GREASE GUARD (PORT). REFER TO ARCHITECTURAL DRAWINGS FOR PORT ELEVATIONS.
13	ROUTE 3/4" COLD WATER DOWN TO BELOW FLOOR AND EXTEND TO WALL HYDRANT.
14	1 1/4" NATURAL GAS DOWN FROM ROOF, 3" AIR EXHAUST AND 3" AIR INTAKE UP THROUGH ROOF.
15	1" INSULATED COPPER CONDENSATE DRAIN FROM FREEZER & COOLER. PROVIDE CLEANOUTS AS REQUIRED AND HEAT TRACE (AS SPECIFIED IN GENERAL NOTES). SEAL ALL WALL PENETRATIONS AND DISCHARGE INTO FLOOR SINK WITH CODE APPROVED AIR GAP.
16	2" VENT UP FROM BELOW.
17	ROUTE GAS PIPE THROUGH WALL AT 48" AFF AND EXTEND TO CEILING THROUGH CORNER OF ROOM.
18	ROUTE GAS SUPPLY PIPE UP TO ROOF.
19	ROUTE GAS SUPPLY DOWN FROM ROOF AND CONNECT TO GAS WATER HEATER.
20	PROVIDE 3/4" DCW STUB-OUT CONNECTION WITH SHUT-OFF VALVE AT 84" AFF FOR FILTER SYSTEM.
21	INSULATE AND HEAT TRACE CONDENSATE DRAIN PIPING FROM EVAPORATOR TO EXTERIOR OF COOLER/FREEZER. HEAT TRACE SHALL BE RATED FOR MINIMUM OF 4W/LF.
22	HEAT TRACE CONTROLLER LOCATION. REFER TO ELECTRICAL FOR POWER.

GENERAL NOTES

A. REFER TO P0.1 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.

B. REFER TO PLUMBING RISER DIAGRAMS AND SCHEDULES FOR ADDITIONAL PIPE ROUTING AND SIZING.

C. PROVIDE ASSE-1070 CERTIFIED THERMOSTATIC MIXING VALVES AT ALL LAVATORIES AND HANDSINKS. RE: PLUMBING SCHEDULES.

D. ALL DOMESTIC COLD AND HOT WATER PIPING SHALL BE HARD COPPER TUBE, ASTM B 88, TYPE L; CAST- OR WROUGHT- COPPER SOLDER- JOINT FITTINGS; AND SOLDERED JOINT.

E. PROVIDE ALTERNATE TO INCLUDE PEX PIPING IN LIEU OF COPPER TUBE INDICATED IN NOTE "D" ABOVE. IF ALTERNATE IS ACCEPTED BY OWNER, INSTALL PEX TUBING FOR HOT AND COLD WATER SUPPLY WITH NO JOINTS ABOVE CEILING.

PLUMBING
PT22M

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240 SW M150 HWY, LEE'S SUMMIT, MO 64081

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122.0088.470

Description

PLUMBING FLOOR PLAN

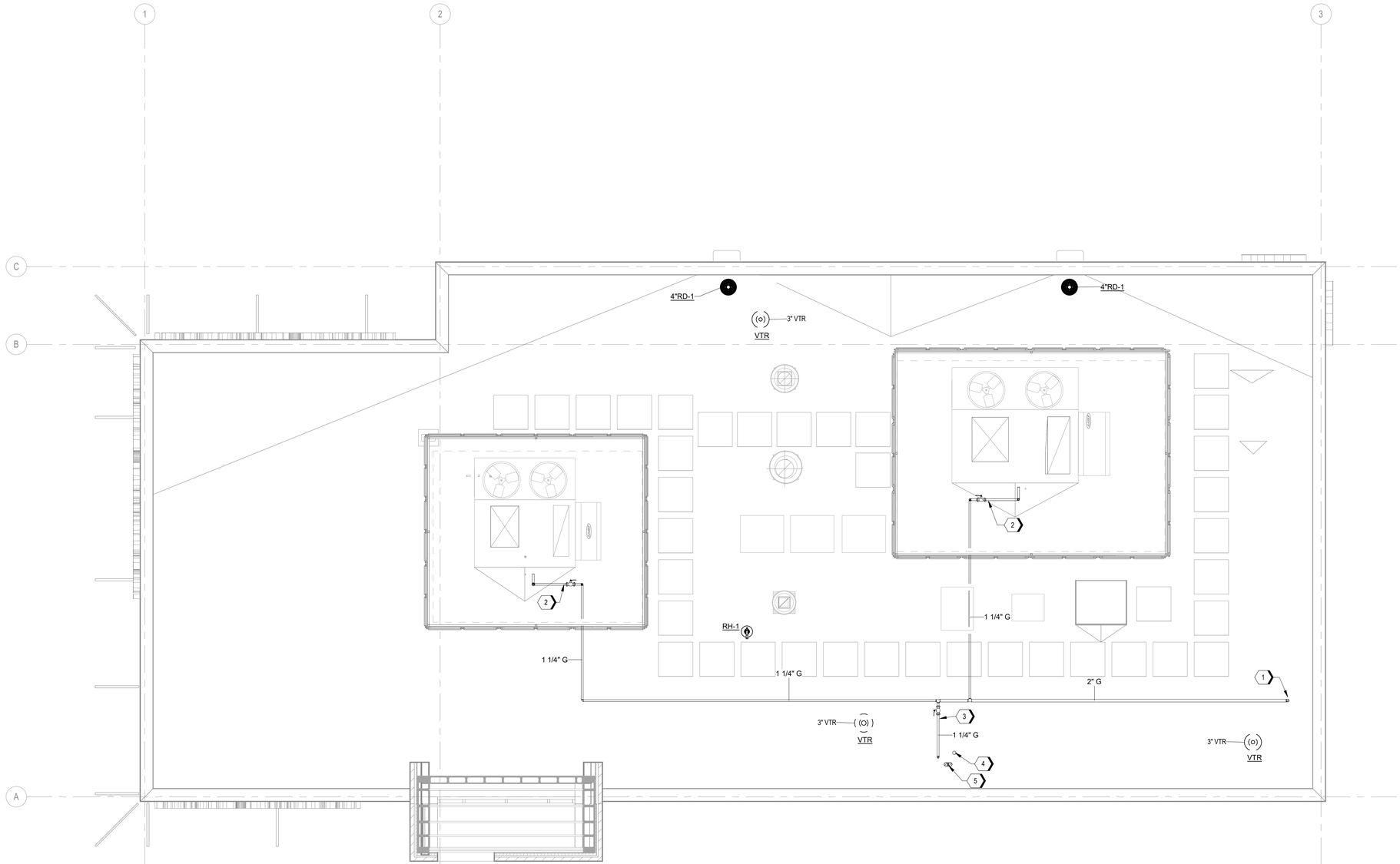
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1 PLUMBING ROOF PLAN
1/4" = 1'-0"

KEYNOTES

1	ROUTE 2" GAS BRANCH UP FROM BELOW AND EXTEND TO MECHANICAL EQUIPMENT.
2	PROVIDE SHUT-OFF VALVE, UNION, DIRT LEG, AND MAKE FINAL CONNECTION TO MECHANICAL EQUIPMENT.
3	PROVIDE SHUT-OFF VALVE, UNION, AND EXTEND GAS SUPPLY DOWN TO GAS WATER HEATER.
4	PROVIDE 3" AIR EXHAUST AND TERMINATE WITH VERTICAL PIPE SECTION THROUGH ROOF.
5	PROVIDE 3" AIR INTAKE AND TERMINATE WITH GOOSENECK FITTING.

GENERAL NOTES

A. REFER TO P0.1 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.

B. REFER TO PLUMBING RISER DIAGRAMS AND SCHEDULES FOR ADDITIONAL PIPE ROUTING AND SIZING.

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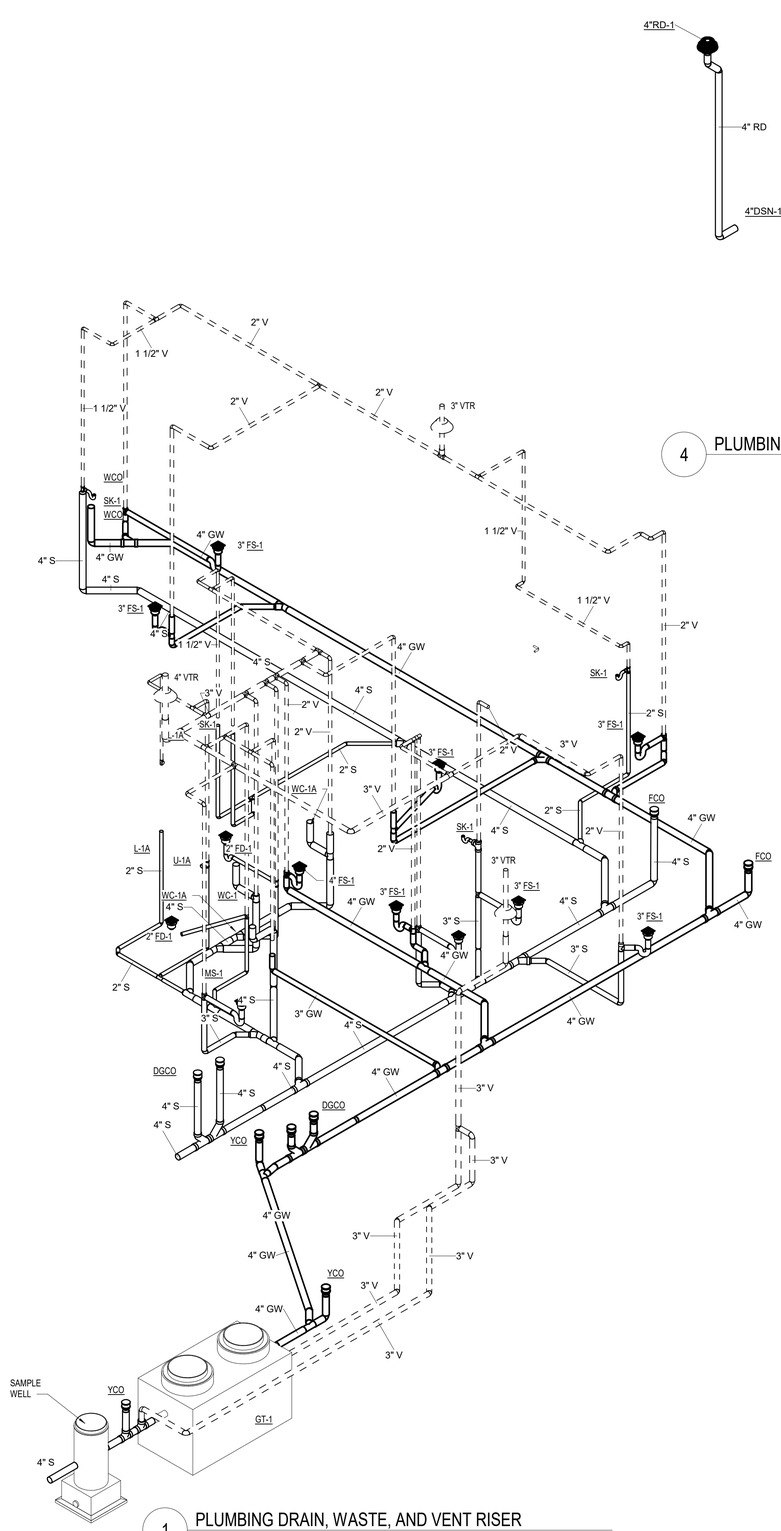
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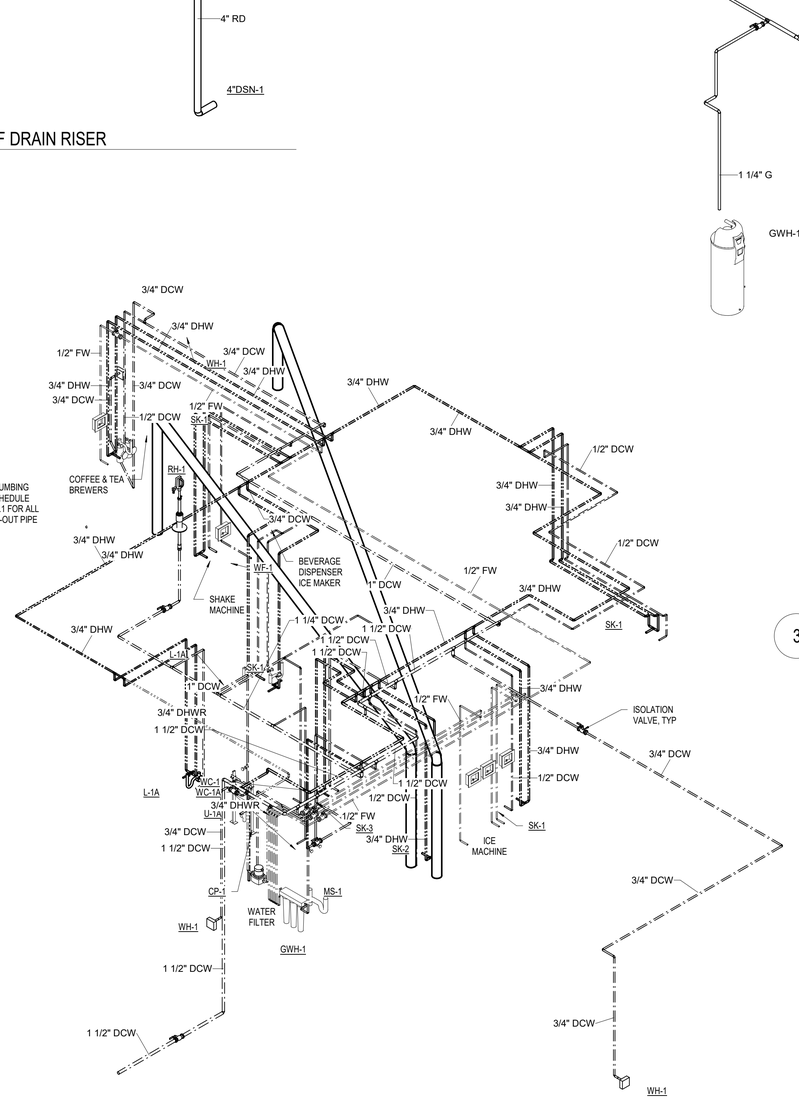
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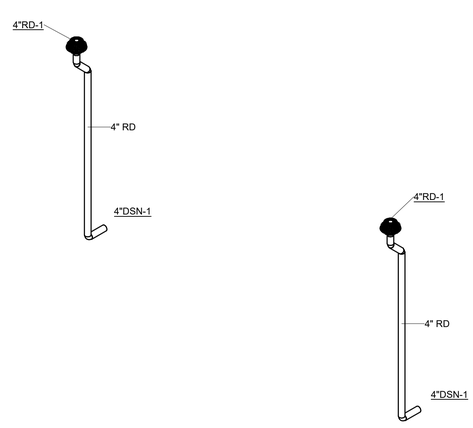
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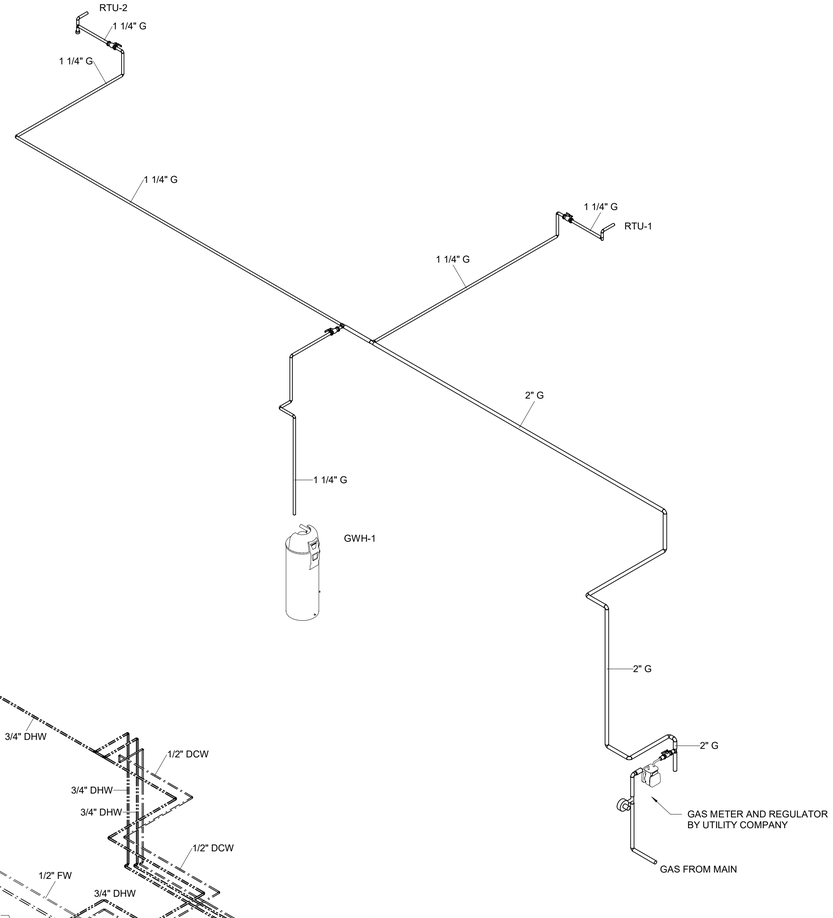
1 PLUMBING DRAIN, WASTE, AND VENT RISER



2 PLUMBING DOMESTIC WATER RISER



4 PLUMBING ROOF DRAIN RISER



3 PLUMBING GAS RISER

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Project Name PT22M LEE'S SUMMIT, MO
240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number
122.0088.470

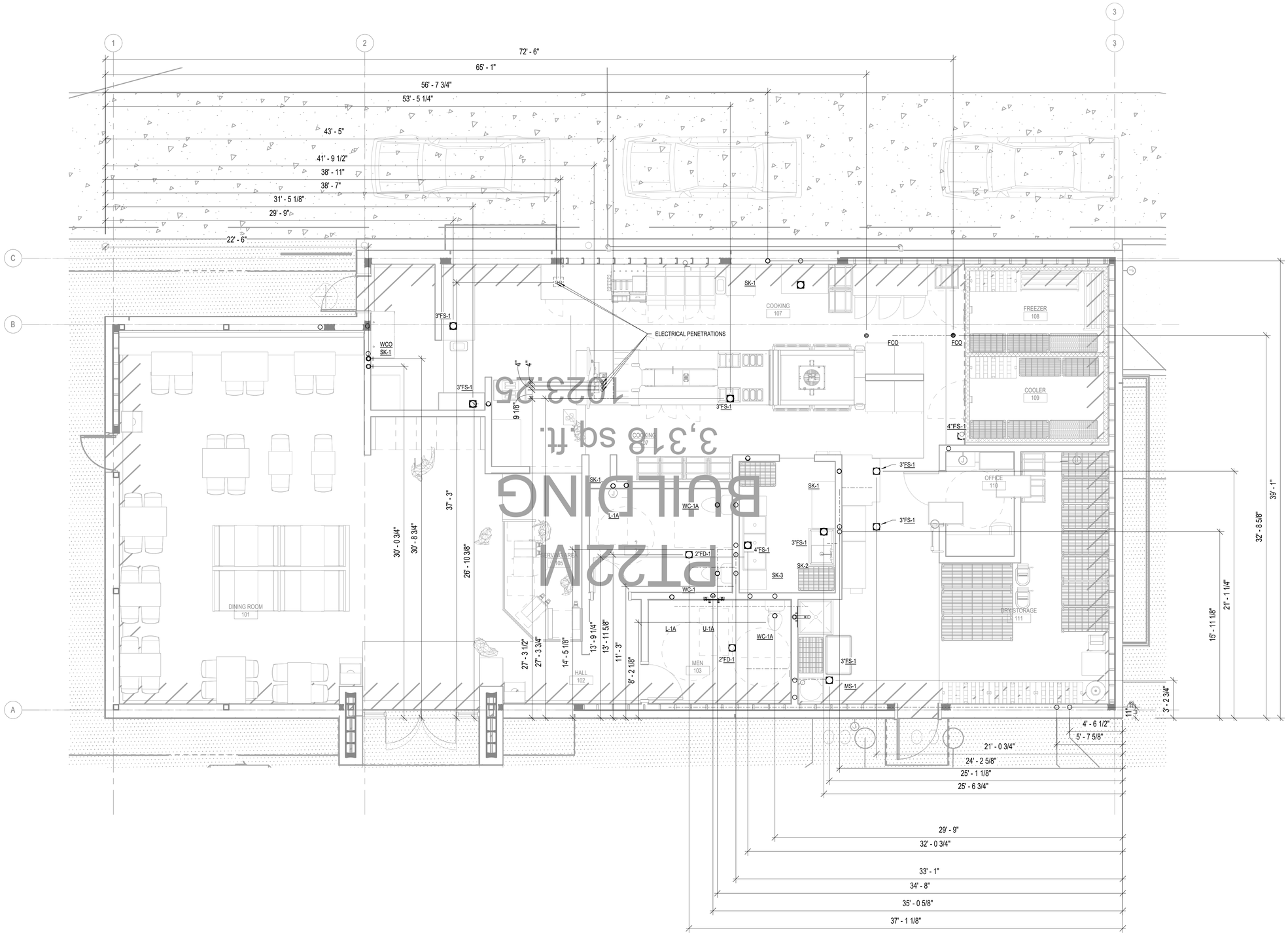
Description
PLUMBING RISER DIAGRAMS

Scale

P3.1

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STATE OF MISSOURI
CONNER B. STURDIVANT
NUMBER PE-2019030746
PROFESSIONAL ENGINEER
3/17/23

Project Name PT22M LEE'S SUMMIT, MO

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

SLAB ROUGH-IN PLAN

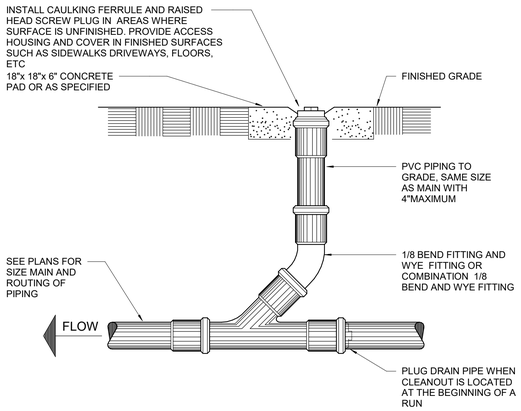
Scale

1/4" = 1'-0"

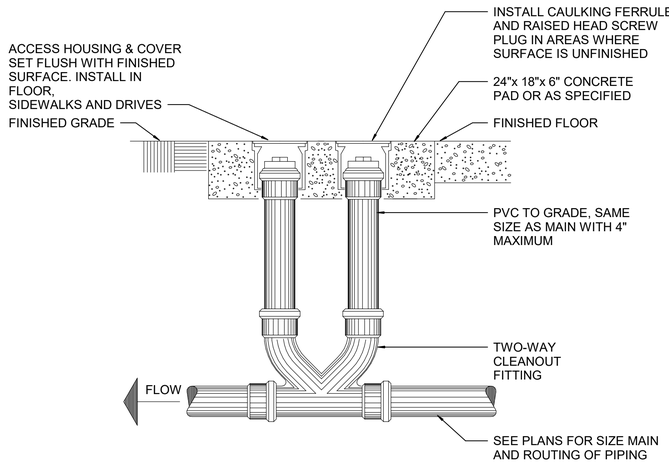
P3.2

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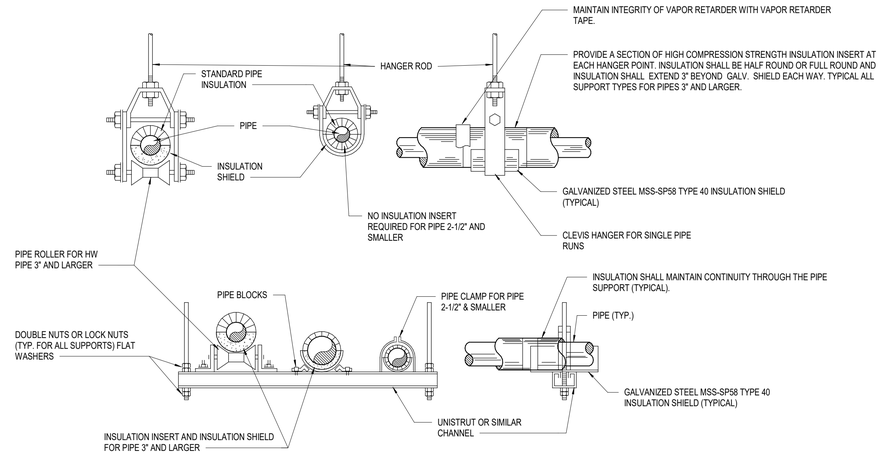
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C1 GRADE CLEANOUT
NOT TO SCALE

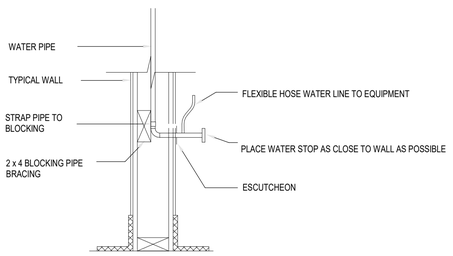


C2 DOUBLE GRADE CLEANOUT
NOT TO SCALE

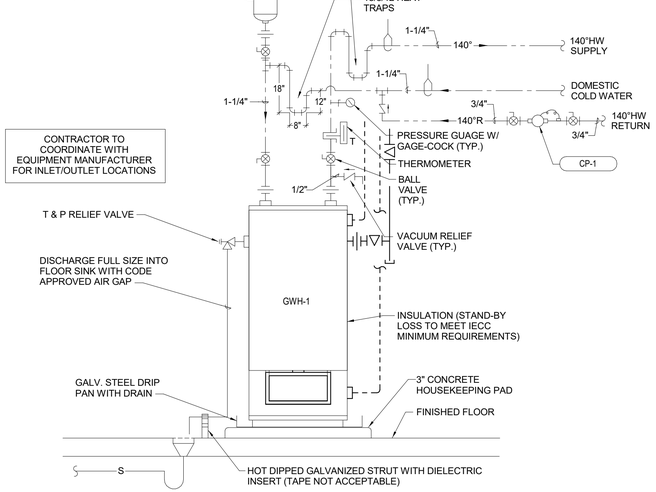


NOTES:
1. PROVIDE SPRING VIBRATION ISOLATORS ON ALL PIPING 3" OR LARGER (TYPICAL).
2. INSULATION INSERT LENGTH SHALL BE 6" LONGER THAN INSULATION SHIELD.
3. INSULATION SYSTEM SHALL MAINTAIN CONTINUITY OF THERMAL INSULATION, VAPOR RETARDER, AND SPECIFIED JACKETING THROUGH ALL PIPE SUPPORTS.

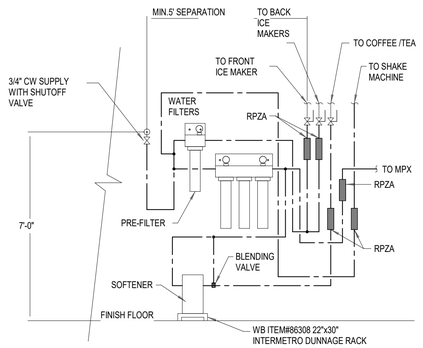
C4 PIPE SUPPORT DETAIL
NOT TO SCALE



B1 WATER CONNECTION DETAIL
NOT TO SCALE



B2 WATER HEATER DETAIL
NOT TO SCALE



RPZA: REDUCED - PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY. RUN FULL SIZE DRAIN LINE FROM RPZA TO FLOOR SINK AND DISCHARGE WITH CODE APPROVED AIR GAP.

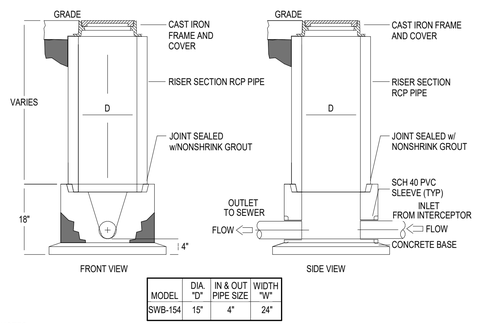
A1 DRINK FILTER ELEVATION
NOT TO SCALE

GREASE INTERCEPTOR CALCULATION:

MEALS PER HOUR	X	WASTE FLOW RATE	X	RETENTION TIME	X	STORAGE FACTOR

84 X 2 X 1.5 X 1.5 = 378 (1,500 GALLON SUBMITTED)

A2 GREASE INTERCEPTOR CALCULATION
NOT TO SCALE



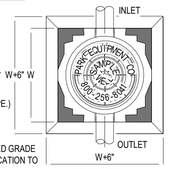
MODEL	DIA. "D"	IN & OUT PIPE SIZE	WIDTH "W"
SWB-154	15"	4"	24"

NOTES
1. SAMPLING WELL MUST BE INSTALLED UNDER A SEPARATE PLUMBING PERMIT.
2. USE 15" T&G R.C.P. FOR INSTALLATION FOR INSTALLATION 6'-0" DEEP AND LESS.
3. USE 24" T&G R.C.P. FOR INSTALLATION GREATER THAN 6'-0" DEEP. (STD RING AND M.H. COVER REQUIRED).
4. SAMPLING WELL MUST BE SET IN A CIRCULAR OR SQUARE CONCRETE PAD (1'-0" GREATER THAN OUTSIDE DIAMETER OF PIPE.)
5. INSIDE INSTALLATION NOT PERMITTED, WHERE OUTSIDE INSTALLATION IS POSSIBLE.
6. LAWN INSTALLATION MUST BE 4" ABOVE FINISHED GRADE.
7. DRIVE & SIDEWALK INSTALLATION MUST BE BROUGHT TO FINISHED GRADE
8. TO BE INSTALLED ON PRIVATE PROPERTY, IN AN ACCESSIBLE LOCATION TO CITY PERSONNEL.

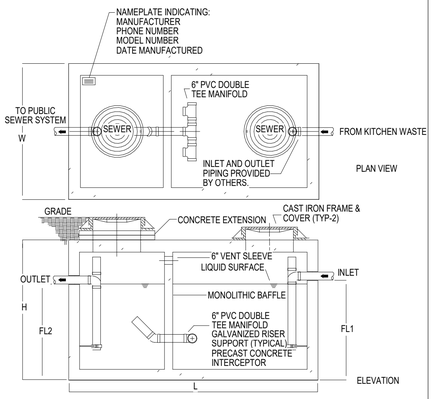
SPECIFICATIONS

CONCRETE : Class 1 concrete with of design strength of 4500 PSI at 28 days. Unit is of monolithic construction at floor and first stage of wall with sectional riser to required depth.

C.I. CASTINGS: Cast iron frames and grates are manufactured of grey cast iron conforming to ASTM A48-76 Class 30, Heavy-Duty AASHTO H-20



SAMPLE WELL



GREASE INTERCEPTOR SCHEDULE

MODEL NO.	CAPACITY USGal	GREASE CAP. (LBS)	EMPTY WT (LBS)	LENGTH L	WIDTH W	HEIGHT H	INLET FL1	OUTLET FL2
GT-1500	1,500	3,500	16,050	9'-2"	5'-8"	7'-0"	5'-9"	5'-6"

*REFER TO DETAIL #A2 THIS SHEET FOR SIZE SELECTION

Specifications

CONCRETE :
Class 1 concrete with design strength of 4500 PSI at 28 days. Unit is of monolithic construction at floor, first stage of wall and baffle with sectional riser to required depth. (Monolithic baffle required, slide-in type is not acceptable)

REINFORCEMENT:
Grade 60 reinforced with steel rebar conforming to ASTM A615 on required centers or equal.

C.I. CASTINGS:
Manhole frames, covers or grates are manufactured of grey cast iron conforming to ASTM A48-76 Class 30. Manhole shall be nominal 24 inch diameter and be traffic duty.

Engineering Data

The grease interceptor shall be structurally & hydraulically engineered to conform to regional plumbing codes recommended in most cities. Consult with local authorities for specific application requirements.

Shop drawings shall include complete structural & buoyancy calculations certified by a licensed professional engineer.

Consult with manufacturer for exact excavation dimensions & shipping information.

GREASE INTERCEPTOR

A4 GREASE INTERCEPTOR AND SAMPLE WELL DETAIL
NOT TO SCALE

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240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

PLUMBING DETAILS

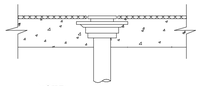
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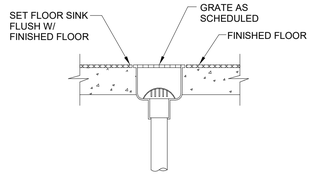
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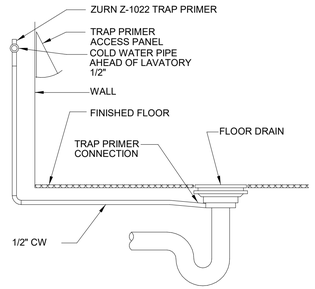
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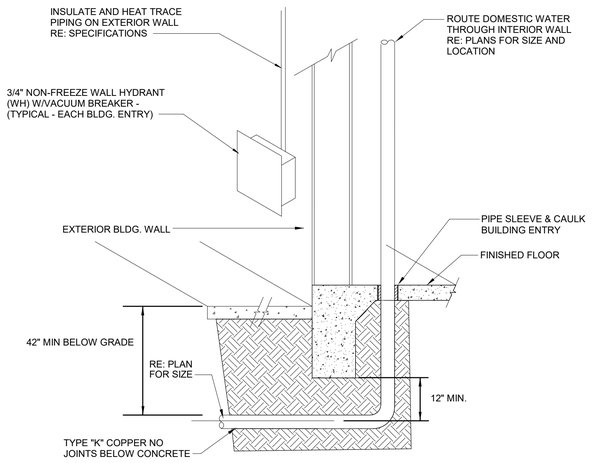
1 FLOOR DRAIN DETAIL
NOT TO SCALE



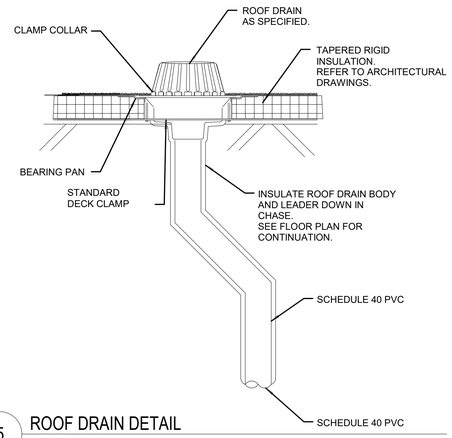
2 FLOOR SINK DETAIL
NOT TO SCALE



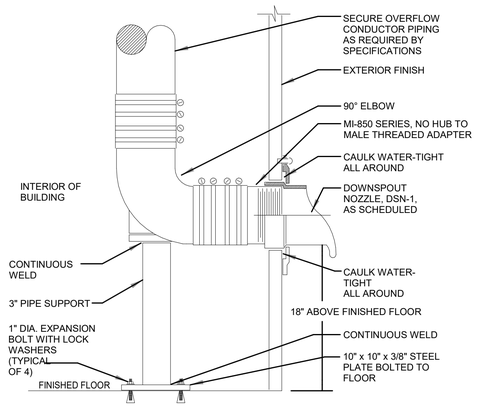
3 TRAP PRIMER DETAIL
NOT TO SCALE



4 DOMESTIC WATER ENTRY DETAIL
NOT TO SCALE



5 ROOF DRAIN DETAIL
NOT TO SCALE



6 DOWNSPOUT NOZZLE DETAIL
NOT TO SCALE

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Project Name PT22M LEE'S SUMMIT, MO

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

PLUMBING DETAILS

Scale

As indicated

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PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	QUANTITY	CONNECTIONS					MANUFACTURER, MODEL
			WASTE	VENT	TRAP	DCW	DHW	
WC-1	WATER CLOSET; 1.28 GPF, FLOOR-MOUNT, VITREOUS CHINA WITH EVERCLEAN SURFACE, PRESSURE-ASSISTED FLUSH TANK WITH LOCKING COVER.	1	4"	2"	INTEGRAL	3/4"	-	AMERICAN STANDARD
WC-1A	WATER CLOSET (ADA); 1.28 GPF, FLOOR-MOUNT, VITREOUS CHINA WITH EVERCLEAN SURFACE, PRESSURE-ASSISTED FLUSH TANK WITH LOCKING COVER.	2	4"	2"	INTEGRAL	3/4"	-	AMERICAN STANDARD
U-1A	URINAL; 0.125 GPF, WALL-HUNG, VITREOUS CHINA WITH EVERCLEAN SURFACE, EXPOSED, BATTERY POWERED ELECTRONIC SENSOR DIAPHRAGM FLUSH VALVE	1	2"	1-1/2"	INTEGRAL	3/4"	-	AMERICAN STANDARD "PINTBROOK" #6002.001, 6063.013,002
L-1A	LAVATORY, WALL-MOUNTED, VITREOUS CHINA, METERED, 1.5 GPM @ 10 SEC. CYCLE = 0.25 GAL/CYCLE, HARD-WIRED ELECTRONIC SENSOR FAUCET, WITH ASSE-1070 MIXING VALVE	2	2"	1-1/2"	1-1/4"	3/4"	3/4"	AMERICAN STANDARD "LUCERNE" #0356.028, "INNSBROOK" #605B.202 #605XTMV1070 MIXING VALVE OPTION
MS-1	MOP SINK; FLOOR-MOUNTED, 36"x36"x12" TERRAZO MOP SINK WITH FRONT DROP AND RIM GUARD, WALL SHIELDS, SPRING-LOADED MOP HANGER AND HOSE WALL HOOK	1	3"	2"	3"	3/4"	3/4"	STERN WILLIAMS "HILOW" #2000, T-10-VB, T-35, T-40-BP
IMB-1	ICE MAKER BOX; WHITE POWDER COATED GALVANIZED STEEL WITH QUARTER TURN VALVE AND MINI ARRESTER.	-	-	-	-	3/4"	-	GUY GREY #MIB1HAAB
IMB-2	ICE MAKER BOX; WHITE POWDER COATED GALVANIZED STEEL WITH QUARTER TURN VALVE AND MINI ARRESTER. COORDINATE FINAL LOCATION WITH ARCHITECT. PROVIDE DUAL CHECK VALVE (BFP-3) IN-LINE FOR CONNECTION TO COFFEE MAKER.	-	-	-	-	3/4"	-	GUY GREY #MIB1HAAB, WATTS #SD2
SK-1	HAND SINK; STAINLESS STEEL, PROVIDE WITH TMV-1 SET TO 105°F	4	2"	1-1/2"	1-1/4"	3/4"	3/4"	SINK SUPPLIED BY KITCHEN EQUIPMENT MANUFACTURER, T&S BRASS #B-1115 FAUCET SUPPLIED BY PLUMBER.
SK-2	1 COMPARTMENT SINK; STAINLESS STEEL, PROVIDE WITH TMV-1 SET TO 110°F	1	3"	2"	-	3/4"	3/4"	SINK SUPPLIED BY KITCHEN EQUIPMENT MANUFACTURER, T&S BRASS #B-023-CR FAUCET SUPPLIED BY WHATABURGER
SK-3	3 COMPARTMENT SINK; STAINLESS STEEL, PROVIDE WITH TMV-1 SET TO 110°F	1	3"	2"	-	3/4"	3/4"	SINK SUPPLIED BY KITCHEN EQUIPMENT MANUFACTURER, T&S BRASS #B-0156-CR FAUCET SUPPLIED BY WHATABURGER
WF-1	WALL MOUNTED FAUCET WITH 12" SWING SPOUT OUTLET, 8" CENTERS, CAST BRASS. PROVIDE WITH LEVER HANDLES (FOR SHAKE MACHINE)	1	-	-	-	1/2"	1/2"	T&S BRASS #B-0231-CR FAUCET WITH OOJJ STOPS SUPPLIED BY PLUMBER

GENERAL NOTES (PLUMBING FIXTURE SCHEDULE):
1. PLUMBER IS REQUIRED TO REGISTER ATTACHED WARRANTY REGISTRATION CARD FOLLOWING INSTALLATION CHECKOUT.
2. PLUMBER IS REQUIRED TO CONNECT TO ALL DRAINS SERVING KITCHEN EQUIPMENT AND EXTEND THEM TO THE FLOOR SINKS.
3. FURNISH AND INSTALL WATTS SERIES 8 VACUUM BREAKER ON ALL THREADED FAUCETS AND HOSE BIBBS SERVING CLEANING AND UTILITY USES.

FLOOR DRAIN/SINK SCHEDULE

MARK	DESCRIPTION	SERVICE	GRATE DIMENSION	OUTLET DIAMETER	MANUFACTURER, MODEL
FD-1	FLOOR DRAIN; COATED CAST-IRON BODY WITH BOTTOM OUTLET, CLAMPING COLLAR, ADJUSTABLE COLLAR WITH SEEPAGE SLOTS, TRAP PRIMER CONNECTION, AND POLISHED NICKEL-BRONZE, SQUARE HEEL-PROOF, HEAVY-DUTY GRATE.	RESTROOMS, GEN. SERVICE	6x6"	*	ZURN ZN-415S-HD-P
FS-1	FLOOR SINK; 6" DEEP CAST-IRON BODY, MEDIUM-DUTY SLOTTED 1/2 GRATE, ANCHOR FLANGE, SEEPAGE HOLES, CLAMPING COLLAR, ANTI-SPLASH DOME STRAINER; WHITE ACID RESISTING PORCELAIN ENAMEL FINISH ON INTERIOR, GRATE, STRAINER, AND BUCKET.	KITCHEN, EQUIPMENT	8x8"	*	ZURN Z-1910-KC-2-25-33
FS-2	FLOOR SINK; ACID-RESISTANT EPOXY COATED CAST-IRON BODY WITH BOTTOM OUTLET, ANCHOR FLANGE, SECONDARY DOME STRAINER, TRAP SEAL PRIMER TAPPING, AND 1/2 TRACTOR GRATE.	WATER SOFTENER, CONDENSATE	12x12"	*	MIFAB F1480-7-11-20-FL-150

GENERAL NOTES (FLOOR DRAIN/SINK SCHEDULE):
1. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. ALL FLOOR DRAINS SHALL INCLUDE AN ANCHORING FLANGE AND PRIMER TAP.
3. INSULATE BODY, TAILPIECE AND P-TRAP OF ALL FLOOR DRAINS SERVING HVAC EQUIPMENT.
4. PROVIDE BARRIER TYPE TRAP SEAL PROTECTION EQUAL TO SURESEAL ON ALL FLOOR DRAINS/SINKS.
* REFER TO FLOOR PLAN FOR PIPE SIZE.

HYDRANT / HOSE BIBB SCHEDULE

MARK	DESCRIPTION	MANUFACTURER, MODEL
WH-1	WALL HYDRANT; NON-FREEZE ENCLOSED TYPE WITH FACEPLATE, AUTOMATIC DRAINING, ANTI-SIPHON VACUUM BREAKER, 3/4" THREADED INLETS, AND LOOSE TEE OPERATING KEY.	WOODFORD B65-CH
RH-1	ROOF HYDRANT; NON-FREEZE PEDESTAL TYPE, AUTOMATIC DRAINING, ANTI-SIPHON VACUUM BREAKER, 3/4" THREADED INLETS, AND LOOSE TEE OPERATING KEY.	WOODFORD RHY2-MS
HB-1	HOSE BIBB; ENCLOSED TYPE, POLISHED CHROME FINISH, ANTI-SIPHON, VACUUM BREAKER, LOOSE TEE KEY, METAL WHEEL HANDLE, 3/4" INLET.	WOODFORD B24P-PC

BACKFLOW PREVENTER SCHEDULE

MARK	DESCRIPTION	SIZE	LOCATION/SERVICE	MANUFACTURER, MODEL
BFP-1	DUAL CHECK VALVE BACKFLOW PREVENTER WITH VACUUM BREAKER, RELIEF VENT, AND Y-STRAINER	1/2"	ICE MAKERS	WATTS #007
BFP-2	DUAL CHECK VALVE BACKFLOW PREVENTER	1/2"	COFFEE MAKERS	WATTS #SD2

GAS LOAD SUMMARY

DESCRIPTION	QTY.	LOAD (BTU)	TOTAL LOAD (BTU)
MECHANICAL EQUIPMENT - RTU-1	1	270,000	270,000
MECHANICAL EQUIPMENT - RTU-1	1	195,000	195,000
DOMESTIC WATER HEATER - GWH-1	1	100,000	100,000
TOTAL NET GAS LOAD			565,000
TOTAL REQUESTED FROM UTILITY:	565 CFH @ 10" W.C.		

PUMP SCHEDULE

MARK	SERVICE	LOCATION	TYPE	CAPACITY (GPM)	HEAD (FT)	MOTOR, VOLTAGE/PHASE/HP	MOTOR SPEED (RPM)	MANUFACTURER, MODEL
CP-1	DOMESTIC HW	UTILITY ROOM	IN-LINE	3.75	15.7	120 / 1 / 0.16	VARIABLE	GRUNDFOS UPS-58-FRC

WATER HEATER SCHEDULE

MARK	LOCATION	SERVICE	STORAGE (GAL)	RECOVERY RATE @ 80° F RISE (GPH)	OPERATING TEMPERATURE, °F	INPUT (BTU / kW)	POWER VOLTAGE/PHASE	FUEL	MANUFACTURER, MODEL
GWH-1	UTILITY ROOM	DOMESTIC HOT WATER	50	145	140°	100,000 BTU	120 / 1	NAT. GAS	A.O. SMITH BTX-100

GENERAL NOTES (WATER HEATER SCHEDULE):
1. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. PROVIDE WITH 3" DIRECT VENT INTAKE AND 3" EXHAUST PIPING.

EXPANSION TANK SCHEDULE

MARK	SERVICE	LOCATION	TOTAL TANK VOLUME (GALLONS)	ACCEPTANCE VOLUME (GALLONS)	MAX. PRESSURE (PSIG)	MANUFACTURER, MODEL
ET-1	WATER HEATER	PLUMBING ROOM	8	.	150	ELBI #DTS-30

MIXING VALVE SCHEDULE

MARK	FLOW (GPM)	LOCATION	DWH TEMP. IN	TEMP OUT (BLEND)	MANUFACTURER, MODEL
TMV-1	0.5-2.2	LAV/SINK	140° F	RE: PLBG FIX SCHD	WATTS #LFMMV-US-M1

ROOF DRAIN SCHEDULE

MARK	DESCRIPTION	SERVICE	GRATE DIMENSION	OUTLET DIAMETER	MANUFACTURER, MODEL
RD-1	8-3/8" DIAMETER ROOF DRAIN, DURA-COATED CAST IRON BODY WITH COMBINATION MEMBRANE FLASHING CLAMP/GRAVEL GUARD AND LOW SILHOUETTE ALUMINUM DOME.	ROOF DRAIN	8-38" DIA.	4"	ZURN #ZC-125
DSN-1	DOWNSPOUT NOZZLE, ALL NICKEL BRONZE BODY, OPTIONAL THREADED, PVC SLIP-ON, OR NO-HUB INLET AND DECORATIVE FACE OF WALL FLANGE AND OUTLET NOZZLE.	DOWNSPOUT NOZZLE	N/A	4"	ZURN #ZANB-199

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STATE OF MISSOURI
CONNER B. STURDIVANT
NUMBER PE-2019030746
PROFESSIONAL ENGINEER
3/17/23

Project Name PT22M LEE'S SUMMIT, MO

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

PLUMBING SCHEDULES

Scale

12" = 1'-0"

P5.1

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3/16/2023 9:10:48 PM BIM 360://122.0088.470 - WB - Lee Summit MO PT22M/PT22M_LeesSummit_PLUM_R21.rvt

MECHANICAL SYMBOLS

(SOME SYMBOLS MAY NOT BE USED ON THE DRAWINGS)

ABBREVIATIONS

%	PERCENT
ABS	ABSOLUTE
ACC	AIR-COOLED CHILLER
ACU	AIR CONDITIONING UNIT
AD	ACCESS DOOR
AF	AIR FOIL
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
ALT	ALTITUDE
AMB	AMBIENT
AMCA	AIR MOVEMENT AND CONTROL ASSOCIATION
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX	APPROXIMATE
ARI	AIR-CONDITIONING AND REFRIGERATION INSTITUTE
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION, AND AIR-CONDITIONING ENGINEERS
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
ASTM	AMERICAN SOCIETY OF TESTING MATERIALS
AVG	AVERAGE
B	BOILER
BD	BACKDRAFT DAMPER
BG	BELOW GRADE
BEMCS	BUILDING ENERGY MANAGEMENT AND CONTROL SYSTEM
BHP	BRAKE HORSEPOWER
BI	BACKWARD INCLINED
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BTU	BRITISH THERMAL UNIT
BTUH	BTU PER HOUR
CD	COLD DECK
CF	CUBIC FEET
CFM	CUBIC FEET PER MINUTE
CHET	CHILLED WATER EXPANSION TANK
CMPR	COMPRESSOR
COND	CONDENSER
CRAC	COMPUTER ROOM AIR CONDITIONER
CT	COOLING TOWER
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CU IN	CUBIC INCH
dB	DECIBEL
DB	DRY BULB
DCP	DISTRIBUTED CONTROL PANEL
DEG	DEGREE
DIA	DIAMETER
DWG	DRAWING
DX	DIRECT-EXPANSION
EAT	ENTERING AIR TEMPERATURE
EDH	ELECTRIC DUCT HEATER
EF	EXHAUST FAN
EFF	EFFICIENCY
EL	ELEVATION
ENT	ENTERING
ESP	EXTERNAL STATIC PRESSURE
EXP	EXPANSION
F	FAHRENHEIT
FA	FACE AREA
FCU	FAN COIL UNIT
FD	FIRE DAMPER
FH	FUME HOOD
FLEX	FLEXIBLE
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FRP	FIBERGLASS REINFORCED PIPE
FS	FLOW SWITCH
FSD	COMBINATION FIRE-SMOKE DAMPER
FT	FEET OR FOOT
FTU	FAN TERMINAL UNIT
GA	GAUGE OR GAGE
GAL	GALLONS
GALV	GALVANIZED
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GR	GRAINS
H	ENTHALPY
HD	HEAD
HD	HOT DECK
HG	HEAT GAIN OR MERCURY
HGT	HEIGHT
HP	HORSEPOWER
HPS	HIGH PRESSURE STEAM
HR	HOUR
HTHW	HIGH TEMPERATURE HEATING WATER
HVAC	HEATING/VENTILATING/AIR-CONDITIONING
HVU	HEATING AND VENTILATING UNIT
HWR	HEATING HOT WATER RETURN
HWS	HEATING HOT WATER SUPPLY
HZ	FREQUENCY
ID	INSIDE DIAMETER
IPS	INTERNATIONAL PIPE STANDARD
ips	IRON PIPE SIZE
K	THERMAL CONDUCTIVITY
KH	KITCHEN HOOD
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LF	LINEAR FEET
LG	LENGTH
LPS	LOW PRESSURE STEAM
LTHW	LOW TEMPERATURE HOT WATER
LWT	LEAVING WATER TEMPERATURE
MCA	MINIMUM CIRCUIT AMPACITY
MOCP	MAXIMUM OVERCURRENT PROTECTION
MAX	MAXIMUM
MBH	BTU PER HOUR (THOUSAND)
MIN	MINIMUM
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
N/A	NOT APPLICABLE
NC	NOISE CRITERIA
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OBD	OPPOSED BLADE DAMPER
OD	OUTSIDE DIAMETER
PD	PUMPED DISCHARGE
PBD	PARALLEL BLADE DAMPER
PH	PHASE (ELECTRICAL)
PPM	PARTS PER MILLION
PRESS	PRESSURE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIA	PSI ABSOLUTE
PSIG	PSI GAGE
R	RANKINE
R-22	REFRIGERANT (NUMBER INDICATES TYPE)
RA	RETURN AIR
RAF	RELIEF AIR FAN
RECIRC	RECIRCULATE
RH	RELATIVE HUMIDITY
RHC	REHEAT COIL
RPM	REVOLUTIONS PER MINUTE
SA	SUPPLY AIR
SC	SHADING COEFFICIENT
SCFM	CUBIC FEET PER MINUTE-STANDARD CONDITIONS
SD	SMOKE DAMPER
SEC	SECOND
SF	SQUARE FEET
SG	SPECIFIC GRAVITY
SHG	SENSIBLE HEAT GAIN
SHR	SENSIBLE HEAT RATIO
SP	STATIC PRESSURE
SPEC	SPECIFICATION
SQ	SQUARE
SSD	SUB-SOIL DRAINAGE
STD	STANDARD
SUCT	SUCTION
t	TIME
T	TEMPERATURE SENSOR
TD	TEMPERATURE DIFFERENCE
TEMP	TEMPERATURE
TOC	TOP OF CONCRETE
TOD	TOP OF DUCT
TONS	TONS OF REFRIGERATION
TOP	TOP OF PIPE
TOS	TOP OF STEEL
TSP	TOTAL STATIC PRESSURE
T-STAT	THERMOSTAT
TU	TERMINAL UNIT
TYP	TYPICAL
U	HEAT TRANSFER COEFFICIENT
UH	UNIT HEATER
UF	UNDER FLOOR
V	VOLT
VA	VOLT AMPERE
VAC	VACUUM
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER
VENT	VENTILATION
VERT	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
VOL	VOLUME
VP	VELOCITY PRESSURE
W	HUMIDITY RATIO OR WATT
W.C.	WATER COLUMN
W.G.	WATER GAUGE
WB	WET BULB
WT	WEIGHT
YR	YEAR

SHEET SYMBOLS

X **DETAIL TITLE**
SCALE: 1/?" = 1'-0"

TRUE NORTH (N) — NORTH ARROW

A / 200 — DEVICE TYPE, AIRFLOW — NECK/CFM BUBBLE

AHU-1 OR RTU-XXX — EQUIPMENT TAG

AIR FLOW INDICATOR

1 — NOTE BY SYMBOL (KEYNOTE)

1 — REVISION

POINT OF CONNECTION (NEW TO EXISTING)

POINT OF DISCONNECTION

MECHANICAL EQUIPMENT

FSD — COMBINATION FIRE/SMOKE DAMPER

FD — FIRE DAMPER

SD — SMOKE DAMPER

FSD — COMBINATION FIRE/SMOKE DAMPER IN VERTICAL SA DUCT

FSD — COMBINATION FIRE/SMOKE DAMPER IN VERTICAL RA DUCT

NEW EQUIPMENT (SIZE, SHAPE WILL VARY)

FUTURE KITCHEN / VENTILATION EQUIPMENT (SIZE, SHAPE WILL VARY)

EQUIPMENT TO REMAIN (SIZE, SHAPE WILL VARY)

SP — DUCT STATIC PRESSURE SENSOR

DP — DIFFERENTIAL PRESSURE SENSOR

T — WALL MOUNTED THERMOSTAT

T — WALL MOUNTED TEMPERATURE SENSOR

CO2 — CARBON DIOXIDE SENSOR

OS — OCCUPANCY SENSOR

DUCTWORK

DIFFUSER FLOW ARROWS (IF NO ARROWS ARE SHOWN, DIFFUSER IS 4-WAY THROW)

SUPPLY DIFFUSER

ROUND SUPPLY DIFFUSER

RETURN REGISTER

EXHAUST REGISTER

SIDEWALL SUPPLY GRILLE

SIDEWALL RETURN GRILLE

LOUVER W/ SCREEN (IN WALL)

SLOT DIFFUSER

LINEAR DIFFUSER

RETURN AIR SLOT DEVICE

MANUAL OPPOSED BLADE DAMPER

MANUAL BLADE DAMPER

90° ELBOW W/ TURNING VANES

90° MITERED ELBOW

45° MITERED ELBOW

90° LONG RADIUS ELBOW

45° LONG RADIUS ELBOW

CONCENTRIC TRANSITION

ECCENTRIC TRANSITION

RECTANGULAR TO ROUND TRANSITION

RECTANGULAR BRANCH TAP (SMACNA 45)

CONICAL BRANCH TAP

CONICAL LATERAL BRANCH TAKE-OFFS

DUCT CAP

DUCT CONTINUATION - ROUND

DUCT CONTINUATION - RECTANGULAR

AD — DUCT ACCESS DOOR

SUPPLY DUCT (UP / DOWN)

RETURN DUCT (UP / DOWN)

EXHAUST DUCT (UP / DOWN)

ROUND DUCT (UP / DOWN)

18/14 — RECTANGULAR DUCT SIZE (WIDTH / HEIGHT)

18Ø — ROUND DUCT SIZE

FLEXIBLE DUCT CONNECTION

SIDEWALL REGISTER TAP WITH DAMPER

M — MOTORIZED DAMPER

M — OPPOSED BLADE MOTORIZED DAMPER

BD — BACKDRAFT DAMPER

FLEXIBLE DUCT CONNECTION

MAJOR SPLIT

TRANSFER BOOT

PIPING SYMBOLS

PIPING UP

PIPING DOWN

CO — CLEANOUT

1/8"/FT — DIRECTION OF SLOPE

CD — CONDENSATE DRAIN

HVAC DESIGN CRITERIA

ASHRAE FUNDAMENTALS - 2017:

WEATHER STATION - KANSAS CITY, MO

ELEVATION: 794'

WINTER HEATING DESIGN (99.6%):

6 °F DRY BULB

SUMMER COOLING DESIGN (0.4%):

96 °F DRY BULB

77 °F MEAN COINCIDENT WET BULB

GENERAL NOTES

1. REFER TO SPECIFICATIONS FOR MATERIALS AND METHODS FOR CONSTRUCTION.
2. DUCTWORK SIZES SHOWN ARE FREE AIR STREAM DIMENSIONS.
3. INSTALL DUCTWORK AND PIPING TO PROVIDE THE MAXIMUM POSSIBLE CLEAR HEIGHT UNDERNEATH. (BETWEEN STRUCTURE OR CEILING AND TOP OF DUCT).
4. WHERE APPROVAL CODES HAVE BEEN ESTABLISHED BY OSHA, UNDERWRITER'S LABORATORY, AMERICAN CODES, ANSI, ASME, ASA, ASHRAE, ASTM, ARI, NEL, NFPA, SMACNA, OR THE STATE FIRE INSURANCE REGULATORY BODY, FOLLOW THESE STANDARDS WHETHER OR NOT INDICATED ON THE DRAWINGS AND SPECIFICATIONS.
5. PROVIDE THE ENTIRE SYSTEM AND ITS COMPONENT ITEMS OF EQUIPMENT IN OPERATING CONDITION FREE OF OBJECTIONABLE VIBRATION OR NOISE.
6. PERFORM WORK IN ACCORDANCE WITH THE LATEST EDITIONS, REVISIONS, AMENDMENTS OR SUPPLEMENTS OF APPLICABLE STATUTES, ORDINANCES, CODES OR REGULATIONS OF FEDERAL, STATE AND LOCAL AUTHORITIES HAVING JURISDICTION IN EFFECT ON THE DATE BIDS ARE RECEIVED.
7. COORDINATE WORK SO THAT INTERFERENCES BETWEEN PIPING, DUCTWORK, EQUIPMENT, PLUMBING WORK, ELECTRICAL WORK, AND BUILDING STRUCTURE WILL BE AVOIDED.
8. FURNISH ACCESS DOORS FOR INSTALLATION IN WALLS AND CEILINGS WHERE ACCESS IS REQUIRED TO CONCEALED MECHANICAL EQUIPMENT, VALVES, CONTROLS AND OTHER DEVICES.
9. COORDINATE THE EXACT LOCATION OF DRAIN AND MECHANICAL EQUIPMENT LOCATIONS WITH MECHANICAL, ARCHITECTURAL, AND STRUCTURAL DRAWINGS PRIOR TO INSTALLATION.
10. RECTANGULAR ELBOWS SHALL BE LONG-RADIUS ELBOWS UNLESS OTHERWISE SHOWN OR NOTED. SUPPLY AIR STANDARD NON-RADIUS 90° ELBOWS SHALL HAVE TURNING VANES.
11. AIR CONDITIONING LOAD CALCULATIONS BASED ON LOCAL CLIMATE DATA. ADJUST UNIT SIZES, AIRFLOW, DUCT SIZES AND AIR DEVICES TO HVAC LOAD CALCULATIONS BASED ON STORE LOCATION. COORDINATE RTU LOCATIONS, DIMENSIONS, AND WEIGHTS WITH STRUCTURAL ENGINEER AND ARCHITECT.

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3/17/23

Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

GENERAL NOTES, SYMBOLS AND ABBREVIATIONS

Scale

12" = 1'-0"

M0.1

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KEYNOTES

1. 30/12 SUPPLY DUCT UP TO RTU-2. PROVIDE DUCT TRANSITION AS REQUIRED TO MATCH UNIT CONNECTION SIZE.
2. 24/22 SUPPLY DUCT UP TO RTU-1. PROVIDE DUCT TRANSITOPN AS REQUIRED TO MATCH UNIT CONNECTION SIZE.
3. CONNECT KITCHEN EXHAUST HOOD ABOVE GRILL UP TO KEF-1 WITH 18" DIA. PRE-FABRICATED UL 1978 LISTED AND LABELED GREASE DUCT. PROVIDE TRANSTIONS ABOVE CEILING AS REQUIRED.
4. 18" EXHAUST DUCT UP TO KEF-1 ON ROOF, RE: A1/M2.1
5. 8"x8" EXHAUST DUCT UP TO EF-1.
6. CONNECT KITCHEN EXHAUST HOOD ABOVE FRYER UP TO KEF-2 WITH 12" DIA. PREFABRICATED UL 1978 LISTED AND LABELED GREASE DUCT. PROVIDE TRANSITIONS ABOVE CEILING AS REQUIRED.
7. 12" EXHAUST DUCT UP TO KEF-2 ON ROOF, RE: A1/M2.1
8. FULLY INSULATED COPPER CONDENSATE UP THROUGH ROOF. RE: B4/M5.2
9. CONDENSATE DOWN TO FLOOR SINK. TERMINATE CONDENSATE WITH 1" AIR GAP.
10. 24/14 RETURN DUCT UP TO RTU-2. PROVIDE DUCT TRANSITION AS REQUIRED TO MATCH UNIT CONNECTION SIZE.
11. 24/18 RETURN DUCT UP TO RTU-1. PROVIDE DUCT TRANSITION AS REQUIRED TO MATCH UNIT CONNECTION SIZE.

GENERAL NOTES

A. REFER TO M0.1 FOR GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.

B. SMOKE DETECTORS SHALL BE INSTALLED IN THE SUPPLY AND RETURN SIDES OF RTU. COORDINATE WIRING FOR SHUTDOWN WITH ELECTRICAL SCOPE. MOUNT SMOKE DETECTORS IN ACCESSIBLE LOCATIONS. REFERENCE M6.1 FOR RTU SCHEDULE. ACTIVATION OF SMOKE DETECTORS SHALL SHUT DOWN RTU.

C. THE EMERSON SITE SUPERVISOR DISPLAY AND CONTROLLER PANEL SHALL BE MOUNTED AND INSTALLED FLUSH IN THE MANAGER'S OFFICE AT 5' AFF TO CENTER.

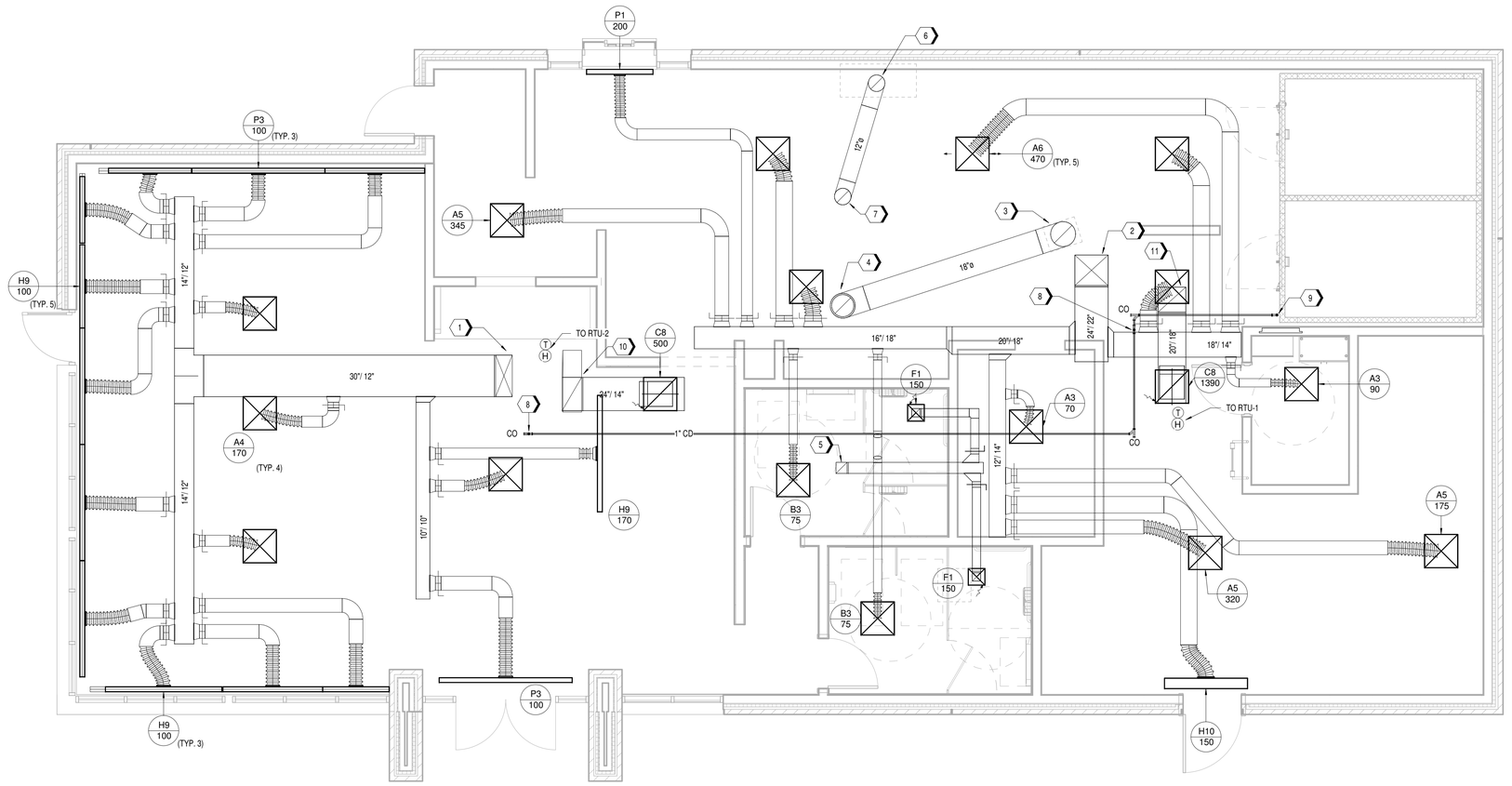
D. PER IECC 2018, PARAGRAPH C408.2.1, A THIRD PARTY SHALL BE HIRED BY THE OWNER AS PART OF THIS PROJECT TO PROVIDE/PERFORM THE FOLLOWING ITEMS:

- A NARRATIVE DESCRIPTION OF THE ACTIVITIES THAT WILL BE ACCOMPLISHED DURING EACH PHASE OF COMMISSIONING, INCLUDING THE PERSONNEL INTENDED TO ACCOMPLISH EACH OF THE ACTIVITES.
- A LISTING OF THE SPECIFIC EQUIPMENT, APPLIANCES OR SYSTEMS TO BE TESTED AND A DESCRIPTION OF THE TESTS TO BE PERFORMED.
- FUNCTIONS TO BE TESTED INCLUDING, BUT NOT LIMITED TO, CALIBRATIONS AND ECONOMIZER CONTROLS.
- CONDITIONS UNDER WHICH THE TEST WILL BE PERFORMED. TESTING SHALL AFFIRM WINTER AND SUMMER DESIGN CONDITIONS AND FULL OUTSIDE AIR CONDITIONS.
- MEASURABLE CRITERIA FOR PERFORMANCE.

E. KITCHEN HOODS, ANSUL FIRE SUPPRESSION SYSTEM AND HOOD CONTROLS SHALL BE OWNER-FURNISHED AND CONTRACTOR-INSTALLED.

F. TEMPERATURE SENSORS "T" AND HUMIDITY SENSORS "H" ARE TO BE CEILING MOUNTED AND TIED INTO THE BUILDING CONTROL SYSTEM.

G. SLOT DIFFUSERS IN DINING AREA WILL COME INSTALLED IN PRE-MADE SOFFIT. AIR DEVICES SHOWN ON DRAWINGS FOR REFERENCE ONLY.



A1 MECHANICAL FLOOR PLAN - LEVEL 1
1/4" = 1'-0"

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CONNER B. STURDIVANT
NUMBER PE-2010030746
PROFESSIONAL ENGINEER
3/17/23

Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

MECHANICAL FLOOR PLAN

Scale

1/4" = 1'-0"

M1.1

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KEYNOTES

1. CENTRIFUGAL UPBLAST GREASE HOOD EXHAUST FAN MOUNTED ON MANUFACTURER PROVIDED ROOF CURB, RE: A2/M5.1
2. CENTRIFUGAL DOWNBLAST EXHAUST FAN MOUNTED ON MANUFACTURER PROVIDED ROOF CURB, RE: A1/M5.1
3. KITCHEN FREEZER CONDENSING UNIT MOUNTED ON ROOFTOP; FURNISHED BY OWNER, COORDINATE EXACT LOCATION ONO SITE AND ROUTE REFRIGERATION (BY OTHERS).
4. KITCHEN REFRIGERATOR CONDENSING UNIT MOUNTED ON ROOFTOP; FURNISHED BY OWNER, COORDINATE EXACT LOCATION ON SITE AND ROUTE REFIGERATION PIPING THROUGH ROOF PENETRATION (BY OTHERS).
5. KITCHEN ICEMAKER CONDENSING UNIT MOUNTED ON ROOFTOP; FURNISHED BY OWNER, COORDINATE EXACT LOCATION ON SITE AND ROUTE REFIGERATION PIPING THROUGH ROOF PENETRATION (BY OTHERS).
6. KITCHEN MULTIPLEX CONDENSING UNIT MOUNTED ON ROOFTOP; FURNISHED BY OWNER, COORDINATE EXACT LOCATION ON SITE AND ROUTE REFIGERATION PIPING THROUGH ROOF PENETRATION (BY OTHERS).
7. ROUTE CONDENSATE LINE DOWN THROUGH ROOD. RE:A1/M1.1 FOR CONTINUATION.

GENERAL NOTES

A. REFER TO M0.1 FOR GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.

B. SMOKE DETECTORS SHALL BE PROVIDED BY THE FIRE ALARM CONTRACTOR AND INSTALLED IN THE SUPPLY AND RETURN SIDES OF RTU. COORDINATE WIRING FOR SHUTDOWN WITH ELECTRICAL SCOPE. MOUNT SMOKE DETECTORS IN ACCESSIBLE LOCATIONS. REFERENCE M6.1 FOR RTU SCHEDULE. ACTIVATION OF SMOKE DETECTORS SHALL SHUT DOWN RTU AND ACTIVATE THE AUDIBLE AND VISUAL SIGNAL PROVIDED.

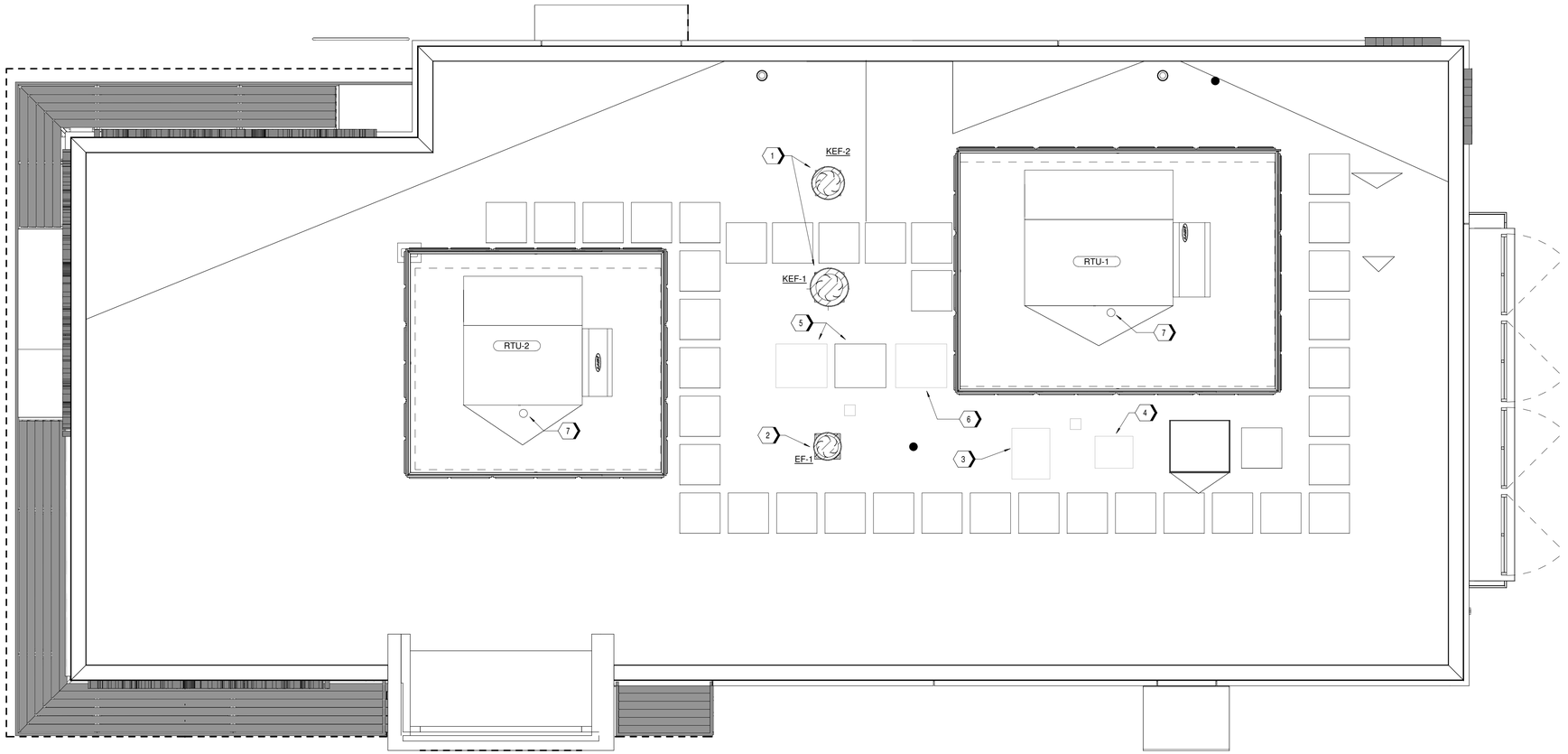
C. THE EMERSON SITE SUPERVISOR DISPLAY AND CONTROLLER PANEL SHALL BE MOUNTED AND INSTALLED FLUSH IN THE MANAGER'S OFFICE AT 5' AFF TO CENTER.

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- MEASURABLE CRITERIA FOR PERFORMANCE.

E. KITCHEN HOODS, ANSUL FIRE SUPPRESSION SYSTEM AND HOOD CONTROLS SHALL BE OWNER-FURNISHED AND CONTRACTOR-INSTALLED.

F. MAINTAIN A MINIMUM CLEARANCE OF 10 FEET BETWEEN OUTSIDE AIR INTAKES AND ANY EXHAUST, FLUES, OR VENTS THROUGH ROOF.



A1 MECHANICAL ROOF PLAN
1/4" = 1'-0"

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MECHANICAL ROOF PLAN

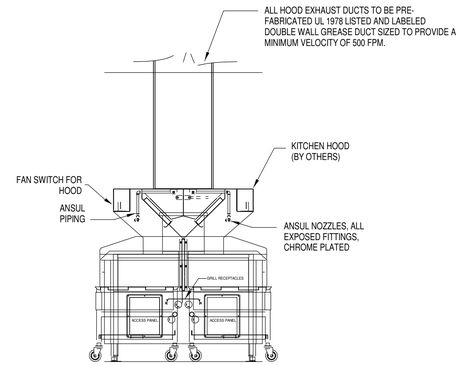
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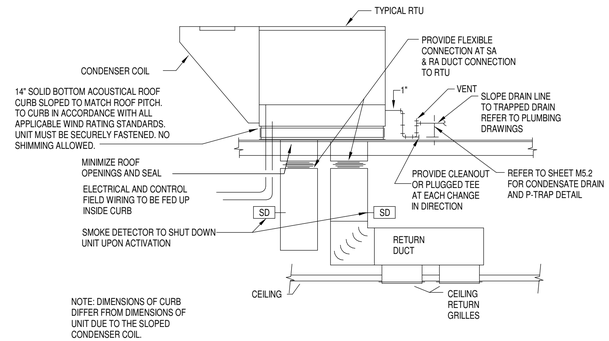
M2.1

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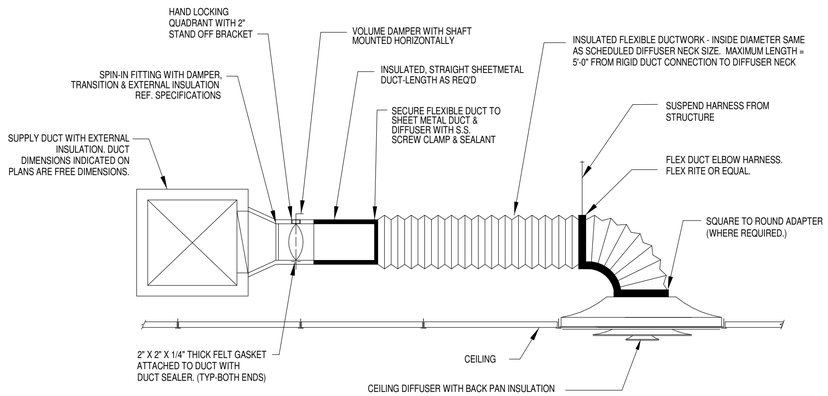
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C3 LOW PROFILE HOOD DETAIL
N.T.S.

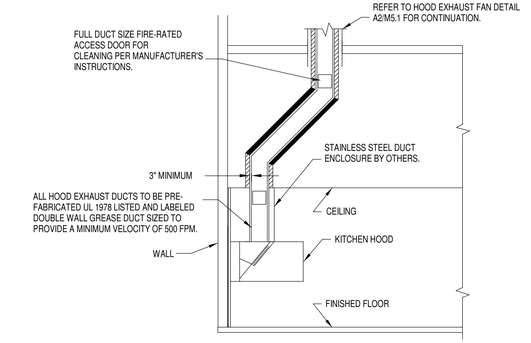


C4 ROOFTOP HVAC UNIT DETAIL
N.T.S.

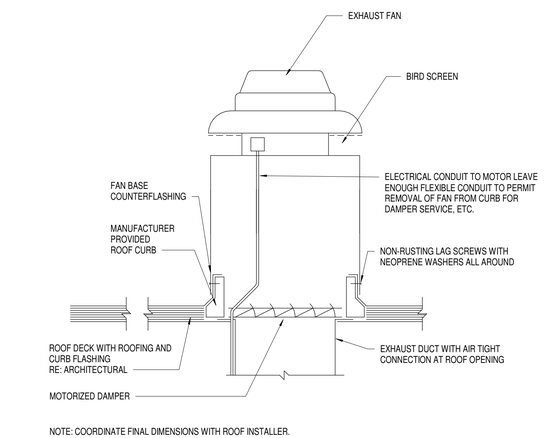


NOTE: INSTALL FLEXIBLE DUCTWORK SUPPORTS AT ALL ROUND NECK OUTLETS/INLETS UNLESS OTHERWISE NOTED ON DRAWINGS.

B2 DIFFUSER CONNECTION DETAIL
N.T.S.

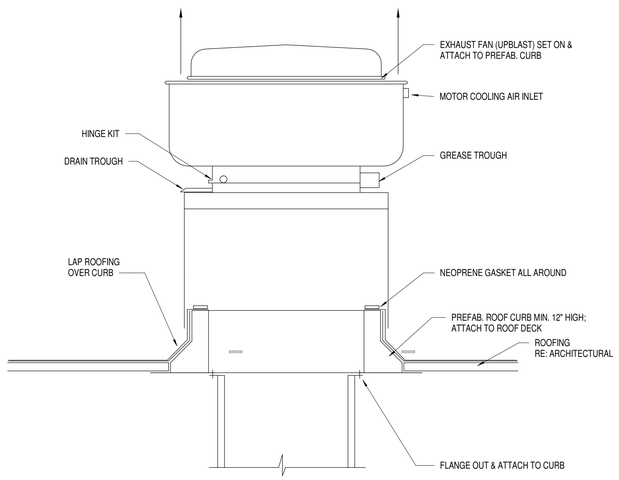


B4 HOOD EXHAUST DUCT DETAIL
N.T.S.

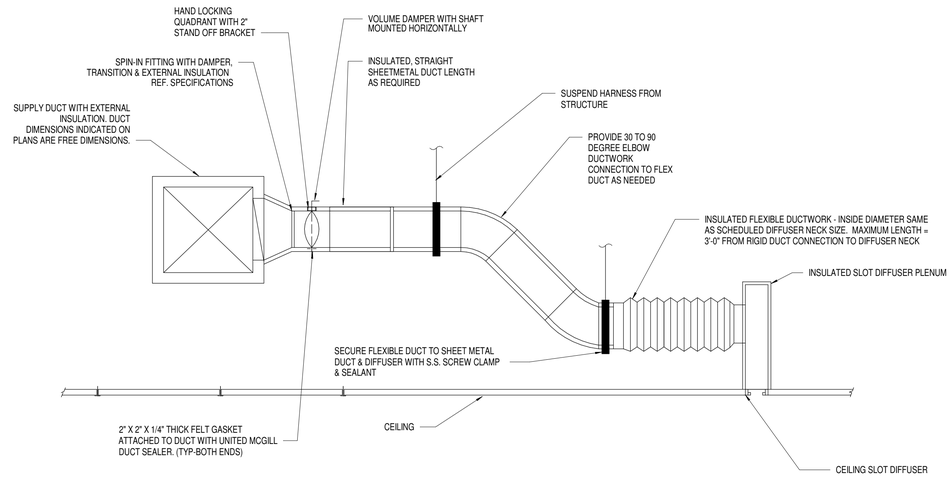


NOTE: COORDINATE FINAL DIMENSIONS WITH ROOF INSTALLER.

A1 ROOF MOUNTED EXHAUST FAN AND CURB DETAIL
N.T.S.



A2 ROOFTOP GREASE EXHAUST FAN DETAIL
N.T.S.



NOTE : INSTALL FLEXIBLE DUCTWORK SUPPORTS AT ALL ROUND NECK OUTLETS/INLETS UNLESS OTHERWISE NOTED ON DRAWINGS.

A3 PLENUM SLOT DIFFUSER DETAIL
N.T.S.

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Seal / Signature

STATE OF MISSOURI
CONNER B. STURDIVANT
NUMBER PE-2019030746
PROFESSIONAL ENGINEER
3/17/23

Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

MECHANICAL DETAILS

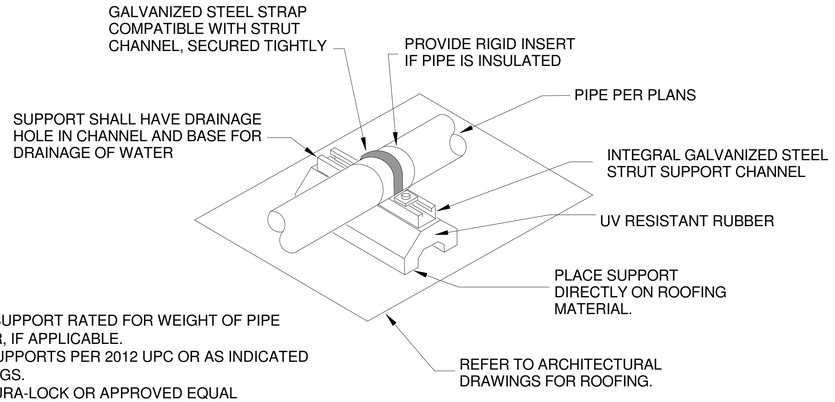
Scale

N.T.S.

M5.1

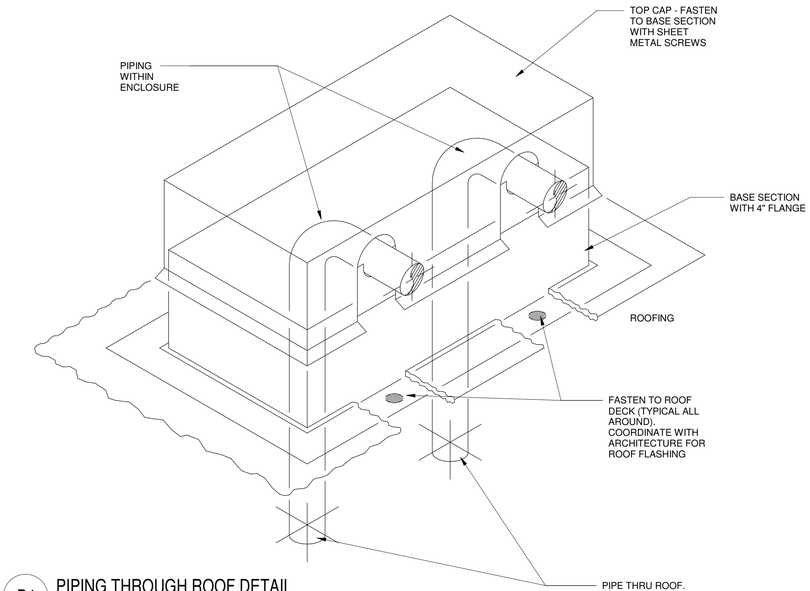
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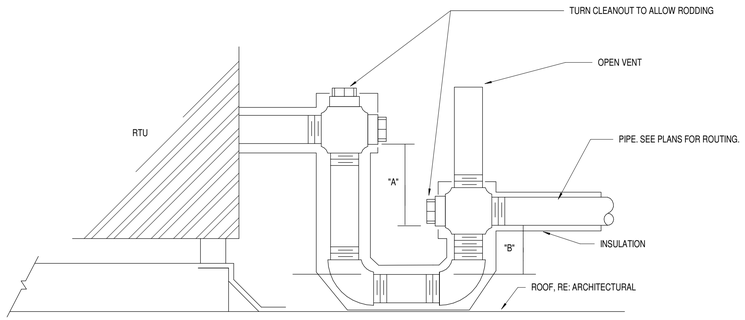


NOTES:
1. SELECT SUPPORT RATED FOR WEIGHT OF PIPE AND WATER, IF APPLICABLE.
2. SPACE SUPPORTS PER 2012 UPC OR AS INDICATED ON DRAWINGS.
3. B-LINE DURA-LOCK OR APPROVED EQUAL

A5 DURA-LOCK SUPPORT
N.T.S.

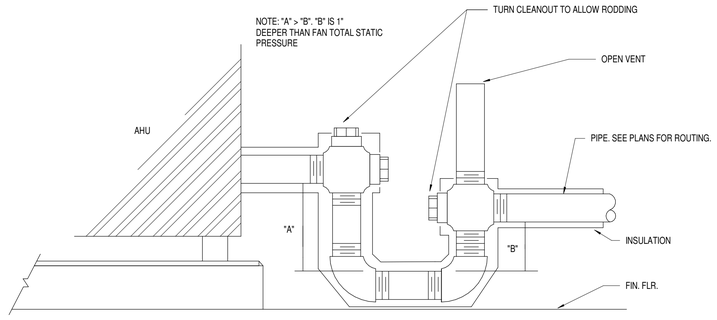


B4 PIPING THROUGH ROOF DETAIL
N.T.S.

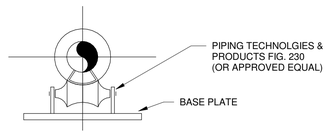


NOTE: "A" = TSP+1
"B" = 1/2TSP+1

A1 DRAW-THRU RTU CONDENSATE DRAIN
N.T.S.



A3 BLOW-THRU AHU CONDENSATE DRAIN
N.T.S.



A4 PIPE SUPPORT ROLLER STAND
N.T.S.

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Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

MECHANICAL DETAILS

Scale

As indicated

M5.2

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ROOFTOP UNIT SCHEDULE

MARK	RTU-1	RTU-2
SERVES	KITCHEN	DINING
TOTAL AIR (CFM)	3850	2050
OUTSIDE AIR (CFM)	2460	1550
APPROX. EXT S.P. ("WG) *	0.75	0.50
FAN MOTOR (MIN. HP)	3.00	2.00
AMBIENT TEMP. (F)	105	105
COOLING SECTION		
TYPE	DX	DX
REFRIG. TYPE	R-410A	R-410A
FAN RPM	928	1184
ENT. AIR TEMP (DB/WB)	94.2 / 72.6	97.7 / 74.3
LEA. AIR TEMP (DB/WB)	53.1 / 53.1	50.6/50.5
OUTPUT-TOTAL (MBh)	220.3	124.1
OUTPUT-SENS (MBh)	123.0	93.4
HEATING SECTION		
TYPE	GAS	GAS
STAGES	3:1	3:1
ENT. AIR TEMP (DB)	43.5	35.9
LEA. AIR TEMP (DB)	86.6	106.3
INPUT (MBH)	270.0	195.0
OUTPUT (MIN. MBH)	218.7	156.0
ELECTRICAL		
UNIT VOLTS / PHASE	208/3	208/3
MCA	99	68
MOCP	125	80
WEIGHT	2534	1935
FILTER	MERV 8	MERV 8
REFERENCE	AAON	AAON
MODEL NO.	RN-020-8-0-GB04-349	RN-013-8-0-GB04-3F9
NOTES	1-13	1-13

NOTES:
1. PROVIDE WITH PREMIUM EFFICIENCY MOTORS IN ACCORDANCE WITH NEMA MG-1.
2. PROVIDE WITH SUPPLY AND RETURN SMOKE DETECTORS TO SHUT DOWN UNIT UPON SMOKE DETECTION.
3. PROVIDE WITH TERMINAL STRIP FOR FIELD INSTALLED CONTROLS.
4. UNITS TO BE 2" DOUBLE WALL R-13 CONSTRUCTION WITH 2500 HOUR SALT SPRAY RESISTANT PAINT.
5. UNIT TO HAVE MODULATING HOT GAS REHEAT AND MODULATE HEAT CONTROL.
   MECHANICAL CONTRACTOR RESPONSIBLE FOR INSTALLING (2) FACTORY PROVIDED SUPPLY AIR TEMPERATURE SENSORS.
6. PROVIDE FACTORY INSTALLED HAIL GUARDS
7. PROVIDE 6 ROW DX COIL AND STAINLESS STEEL DRAIN PAN.
8. PROVIDE ULTRA LOW LEAKAGE ECONOMIZER WITH BAROMETRIC RELIEF DAMPER, AND FAULT DETECTION AND DIAGNOSTIC.
9. PROVIDE FACTORY MOUNTED AND WIRED CONDENSATE FLOW SWITCH.
10. PROVIDE STAINLESS STEEL GAS HEAT EXCHANGER WITH MODULATING CONTROL.
11. PROVIDE FACTORY POWERED GFCI CONVENIENCE OUTLET AND NONFUSED DISCONNECT.
12. PROVIDE 18" INSULATED, SOLID BOTTOM CURBED FOR PITCHED ROOF. MECHANICAL CONTRACTOR TO FIELD CUT SUPPLY AND RETURN OPENINGS AS REQUIRED.
13. AAON UNITS PROVIDED BY WHATABURGER. FACTORY STARTUP IS INCLUDED. CONTACT AARON HUMPHRIES @ 210-954-6657 OR aaron.humphries@texasairsystems.com TO COORDINATE STARTUP.

FLEX DUCT SCHEDULE

CFM RANGE	SIZE (DIAMETER) *
< 50	5
51 - 100	6
101 - 250	8
251 - 400	10
401 - 650	12
651 - 900	14
901 - 1300	16
1301 - 1800	18
1801 - 2300	20

* ALL FLEX DUCT SHALL BE SIZED IN ACCORDANCE W/ FLEX DUCT SCHEDULE. PROVIDE RIGID REDUCER AT NECK OF AIR DEVICE, VAV INLET DUCT, ETC. TO TRANSITION FROM FLEX DUCT SIZE TO DIFFUSER INLET AND/OR EQUIPMENT CONNECTION SIZE. FLEX DUCT NOT TO EXCEED 5ft.

EXHAUST FAN SCHEDULE

TAG	TYPE	MANUFACTURER	MODEL	AIR FLOW	TSP (IN W.C.)	RPM	BHP	HP	DRIVE TYPE	VOLTAGE	PHASE	WEIGHT (LBS.)	NOTES
EF-1	ROOF-MOUNTED CENTRIFUGAL DOWNBLAST	GREENHECK	G-080-VG	300 CFM	0.50	1680	0.07	0.10	DIRECT	120	1	44	1,2
KEF-1	ROOF-MOUNTED CENTRIFUGAL UPBLAST	GREENHECK	CUE-140-VG	1995 CFM	1.00	1517	0.66	0.75	DIRECT	208	1	119	2,3,4,6
KEF-2	ROOF-MOUNTED CENTRIFUGAL UPBLAST	GREENHECK	CUE-120-VG	1216 CFM	0.75	1415	0.26	0.50	DIRECT	208	1	96	2,3,5,6

NOTES:
1. PROVIDE INSULATED 12" ROOF CURB.
2. PROVIDE WITH INTEGRAL DISCONNECT SWITCH.
3. PROVIDE GREASE BOX.
4. PROVIDE INSULATED AND VENTED 26" SQUARE ROOF CURB.
5. PROVIDE INSULATED AND VENTED 22" SQUARE ROOF CURB.
6. PROVIDE HINGED ACCESS KIT.

AIR DEVICE SCHEDULE

TAG	MANUFACTURER	MODEL	FACE SIZE	NECK SIZE (IN.)	MAX NC	PATTERN	MOUNTING	SLOT LENGTH	SLOT WIDTH	SLOT QTY	SYSTEM CLASSIFICATION	COMMENTS
A3	TITUS	TMS	24 X 24	6	30	4-WAY	LAY-IN	-	-	-	SUPPLY AIR	1
A4	TITUS	TMS	24 X 24	8	30	4-WAY	LAY-IN	-	-	-	SUPPLY AIR	
A5	TITUS	TMS	24 X 24	10	30	4-WAY	LAY-IN				SUPPLY AIR	1
A6	TITUS	TMS	24 X 24	12	30	4-WAY	LAY-IN	-	-	-	SUPPLY AIR	1
B3	TITUS	TMS	24 X 24	6	30	4-WAY	FLANGE	-	-	-	SUPPLY AIR	1,2
C8	TITUS	350FLF1	24 X 24	18 X 18	30	4-WAY	LAY-IN	-	-	-	RETURN AIR	
F1	TITUS	50F	12 X 12	6 X 6	30	4-WAY	FLANGE	-	-	-	EXHAUST AIR	2
H9	TITUS	TBDI-30		8	30	2-WAY	FLANGE	60	3/4	2	SUPPLY AIR	3
H10	TITUS	TBDI-80	60 X 7-1/2	12	30	2-WAY	FLANGE	60	1-1/2	3	SUPPLY AIR	3
L1	TITUS	FL-15-JT	SEE PLANS		30	1-WAY	FLANGE	CONTINUOUS	1-1/2	1		4
P1	TITUS	FBPI	48 X 3-1/2	8	30	-	FLANGE	60	-	-	SUPPLY AIR	3
P3	TITUS	FBPI	96 X 3-1/2	8	30	-	FLANGE	60	-	-	SUPPLY AIR	3

NOTES:
1. PROVIDE BACKPAN INSULATION.
2. PROVIDE PLASTER FRAME FOR MOUNTING IN GYP. CEILING.
3. PROVIDE INSULATED PLENUM.
4. CONTINUOUS LINEAR SLOT DIFFUSER TO BE INSTALLED IN GYP. CEILING. PROVIDE INSULATED SUPPLY AIR PLENUMS AS SCHEDULED FOR A COMPLETE SYSTEM.

AIR BALANCE AND VENTILATION CALCULATION:

TOTAL OUTSIDE AIR INTAKE = 4010 CFM

TOTAL GREASE HOOD EXHAUST = 3210 CFM
TOTAL RESTROOM EXHAUST = 300 CFM

OUTSIDE AIRFLOW - (GREASE HOOD EXHAUST AIRFLOW + RESTROOM EXHAUST AIRFLOW) = NET POSITIVE AIRFLOW

4010 CFM - (3210 + 300) = 500 CFM

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Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

MECHANICAL SCHEDULES

Scale

12" = 1'-0"

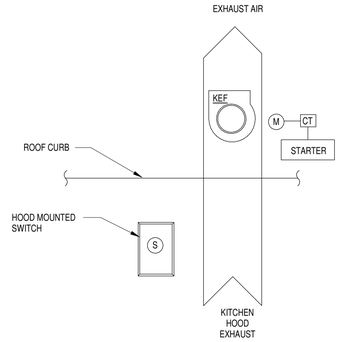
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CONTROL SYMBOLS

AE	ANALYZER ELEMENT
DDC	DIRECT DIGITAL CONTROL
BMS	BUILDING MANAGEMENT SYSTEM
RDC	ROOFTOP UNIT DDC CONTROLLER
FACP	FIRE ALARM CONTROL PANEL
DPI	DIFFERENTIAL PRESSURE INDICATOR
DPS	DIFFERENTIAL PRESSURE SWITCH
DPT	DIFFERENTIAL PRESSURE TRANSMITTER
EDH	ELECTRIC DUCT HEATER
EF	EXHAUST FAN
FE	FLOW ELEMENT
FLTR	FILTER
FS	FLOW SWITCH
H	HUMIDISTAT
HL	HIGH TEMPERATURE LIMIT SWITCH
M	MOTOR
PCV	PRESSURE CONTROL VALVE
PT	PRESSURE TRANSMITTER
SMK	SMOKE DETECTOR
T	TEMPERATURE SENSOR
TCV	TEMPERATURE CONTROL VALVE
TSL	LOW LIMIT THERMOSTAT (FREEZESTAT)
TT	TEMPERATURE TRANSMITTER
VFD	VARIABLE FREQUENCY DRIVE
STARTER	MOTOR STARTER (PROVIDE CONTROL RELAY)
CT	CURRENT TRANSDUCER
OS	OCCUPANCY SENSOR
CO	CARBON MONOXIDE SENSOR
	COMMUNICATION SIGNAL
HPS	HIGH STATIC PRESSURE SENSOR
DA	DAMPER ACTUATOR
CV	CONTROL VALVE
DX	DX COOLING COIL
HC	NATURAL GAS HEATING COIL
HGR	HOT GAS REHEAT
SF	SUPPLY AIR FAN



SEQUENCE OF OPERATION

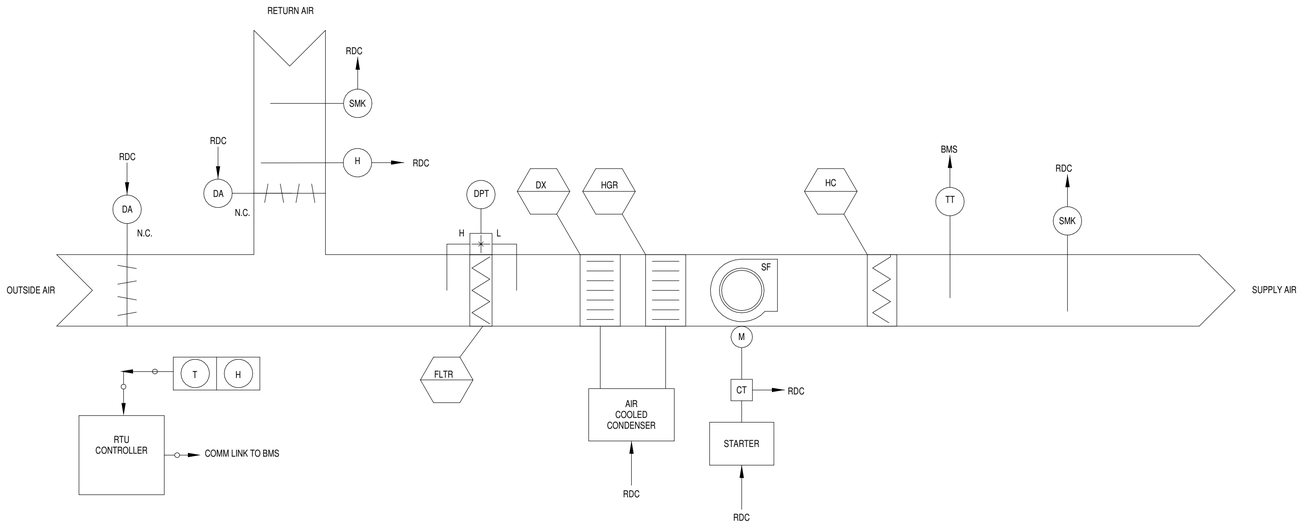
OPERATING CONDITIONS - CONTINUOUS 24/7:
THE KITCHEN HOOD EXHAUST FAN SHALL RUN CONTINUOUSLY WHEN THE KITCHEN HOOD MOUNTED SWITCH IS ON.

INTEGRATED ANSUL FIRE SUPPRESSION SYSTEM
UPON ACTIVATION OF THE INTEGRATED ANSUL FIRE SUPPRESSION SYSTEM DURING NORMAL KITCHEN OPERATION, THE KITCHEN HOOD EXHAUST FAN SHALL REMAIN ENERGIZED.

FIRE/SMOKE CONTROL:
UPON SENSING DUCT SMOKE, THE KITCHEN EXHAUST FAN SHALL BE CYCLED OFF. FAN STATUS SHALL BE REPORTED TO THE BAS.

C2 KITCHEN HOOD EXHAUST FAN CONTROL DIAGRAM

N.T.S.



SEQUENCE OF OPERATION

OPERATING CONDITION - CONTINUOUS 24/7

THE RTU CONTROLLER (RDC) SHALL PERFORM ALL CONTROL, SAFETY AND INTERLOCKS AS DESCRIBED IN THE SEQUENCE OF OPERATION. THE BMS SHALL MONITOR THE RTU DDC CONTROLLER VIA BMS PROTOCOL COMMUNICATION AND/OR COMBINATION OF DISCRETE INPUT/OUTPUT POINTS. THE BMS SHALL OPERATE THE UNIT CONTINUOUS 24/7. WHEN THE UNIT IS DE-ENERGIZED BY THE BMS, THE FAN SHALL SHUT DOWN, THE OA DAMPER SHALL CLOSE. THE REFRIGERATION SYSTEM SHALL ALSO BE DE-ENERGIZED AND THE HEATING SYSTEM LOCKED OUT OF HEATING MODE.

TEMPERATURE CONTROL
OCCUPIED MODE - THE BMS WILL MAINTAIN THE FOLLOWING SPACE TEMPERATURE SETPOINTS:
- COOLING: 75ºF (ADJUSTABLE)
- HEATING: 70ºF (ADJUSTABLE)

HUMIDITY CONTROL
IF THE RELATIVE HUMIDITY OF THE RETURN AIR EXCEEDS 60% (ADJUSTABLE) AND THER IS NO CALL FOR COOLING IN THE SPACE, THE RDC SHALL ENABLE DEHUMIDIFICAITON MODE OF THE RTU BASED ON ITS OWN INTERNAL CONTROLS UTILIZING HOT GAS REHEAT.

ECONOMIZER OPPERATION
BASED ON THE RTU INTERNAL CONTROLS, THE RDC SHALL VARY THE OUTSIDE AIR DAMPER POSTION, BASED ON CALL FOR COOLING IN THE SPACE. THERE SHALL BE ONE FAN SPEED. THE RDC SHALL LOAD AND UNLOAD COMPRESSORS BASED ON THE UNIT INTERNAL CONTROLS TO CONDITION OR DEHUMIDIFY THE SPACE AS NEEDED.

SEQUENCE OF OPERATION [CONTINUED]

THE BMS SHALL BE PROGRAMMED SO THAT THE HEATING AND COOLING SYSTEMS SHALL NEVER OPERATE SIMULTANEOUSLY.

UNIT SHUTDOWN:
UNIT SHALL BE DE-ENERGIZED UPON DETECTION OF SMOKE IN DUCT.

ALARMS
THE BMS SHALL MONITOR ALL SAFETIES ON THE REFRIGERATION SYSTEM AND THE HEATING SYSTEM THROUGH THE RDC COMMUNICATION PROTOCOL. ALL ABNORMAL CONDITIONS SHALL BE ALARMED AT THE BMS.

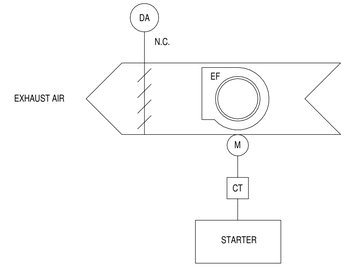
A. FILTERS
THE RDC SHALL MONITOR THE STATIC PRESSURE DROP ACROSS THE FILTER BANK AND ALARM ON HIGH STATIC PRESSURE DROP. A DIFFERENTIAL PRESSURE SWITCH ACROSS THE FILTER SHALL INITIATE FILTER ALARM WHEN THE PRESSURE DROP ACROSS THE FILTER REACHES THE SETPOINT OF 1.0 INCHES W.C. (ADJUSTABLE).

B. FIRE/SMOKE CONTROL
UPON ACTIVATION OF A DUCT SMOKE DETECTOR, THE BMS SHALL RECEIVE AN ALARM.

C. GENERAL ALARM
ANY TROUBLE ALARM OR FAULT WITHIN THE UNIT ONBOARD CONTROLS WILL GENERATE A GENERAL ALARM TO THE BMS.

A1 PACKAGED ROOFTOP UNIT CONTROLS DIAGRAM

N.T.S.



SEQUENCE OF OPERATION

OPERATING CONDITIONS:
THE GENERAL EXHAUST FAN SHALL BE INTERLOCKED WITH RESTROOM OCCUPENCY SENSORS. THE EXHAUST FAN SHUTOFF DAMPER SHALL BE INTERLOCKED WITH THE EXHAUST FAN TO OPEN WHEN THE FAN IS ENERGIZED AND CLOSE WHEN THE FAN IS DE-ENERGIZED

ALARMS:
ALARMS SHALL BE PROVIDED AS FOLLOWS:
1. FAN FAILURE: FAN COMMANDED ON BUT STATUS IS OFF.
2. FAN IN HAND: FAN COMMANDED OFF BUT STATUS IS ON.
3. FAN BELT FAILURE: MOTOR AMPERAGE READS ZERO AS MEASURED BY CURRENT TRANSDUCER.

C3 GENERAL EXHAUST FAN CONTROL DIAGRAM

N.T.S.

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Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

MECHANICAL CONTROLS

Scale

As indicated

M7.1

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LIGHTING SYMBOLS

F1 / a RP5-7	TYPICAL LUMINAIRE DESIGNATIONS (F1) INDICATES LUMINAIRE TYPE. REFER TO LUMINAIRE SCHEDULE FOR DESCRIPTION. (RP5) INDICATES PANEL DESIGNATION, (7) INDICATES CIRCUIT BREAKER NUMBER. (a) INDICATES SWITCHING CIRCUIT ID.
	2'x2' LUMINAIRE
	WALL MOUNTED LUMINAIRE
	CEILING MOUNTED LUMINAIRE
	INDUSTRIAL TYPE LUMINAIRE
	PENDANT MOUNTED LUMINAIRE
NL / NL	SWITCHED LUMINAIRE WITH INTEGRAL OR REMOTE-MOUNTED NI-CAD, EMERGENCY BATTERY PACK AND WITH SWITCHED, HOT, NEUTRAL, AND GROUND CONNECTIONS (TYP.). WHERE "NL" TAG IS SHOWN, LUMINAIRE IS AN UNSWITCHED NIGHTLIGHT WITH HOT, NEUTRAL, AND GROUND CONNECTIONS.
	LUMINAIRE, POLE MOUNTED
	LUMINAIRE, BALLARD
	LUMINAIRE, FLOOD LIGHT
	WALL MOUNTED EXIT SIGN, SHADED AREAS INDICATE NUMBER OF FACES, DIRECTION ARROWS AS INDICATED
	CEILING MTD. EXIT SIGN, SHADED AREAS INDICATE NUMBER OF FACES, DIRECTION ARROWS AS INDICATED
	EMERGENCY BATTERY UNIT LUMINAIRE
(C)	CONTROL COIL
(P)	PHOTO CELL

SWITCH SYMBOLS

$	SINGLE POLE, LOW VOLTAGE SWITCH, 20A, 120-277VAC
$ X	"X" REFER TO SWITCH NOTES

SWITCH NOTES:

"a" = LOWER CASE LETTER INDICATES SWITCHING CIRCUIT ID
"3" = THREE-WAY SWITCH 20A, 120-277VAC
"4" = FOUR-WAY SWITCH 20A, 120-277VAC
"M" = MANUAL MOTOR STARTER SWITCH
"MOL" = MANUAL MOTOR STARTER WITH THERMAL OVERLOADS
"D" = DIMMER CONTROL
"D3" = THREE-WAY DIMMING SWITCH
"D4" = FOUR-WAY DIMMING SWITCH
"P" = SINGLE POLE SWITCH WITH PILOT LIGHT
"K" = SINGLE POLE SWITCH (KEY-OPERATED)
"T" = SINGLE POLE SWITCH WITH TIMER
"3P" = THREE-POSITION SWITCH, CENTER-OFF, MOMENTARY CONTACT
"OS" = OCCUPANCY/VACANCY SENSOR WALL SWITCH(IR) WITH MANUAL OVERRIDE

(OS)	OCCUPANCY SENSOR MOUNTED IN CEILING

OCCUPANCY SENSOR NOTES:

1. PLACE ULTRASONIC SENSORS 6'-0" AWAY FROM SUPPLY AND RETURN VENTS.

RECEPTACLE SYMBOLS

RP5.7	TYPICAL RECEPTACLE CIRCUIT DESIGNATION (RP5) INDICATES PANEL DESIGNATION, (7) INDICATES CIRCUIT BREAKER NUMBER. PROVIDE 20A/1P AND 2#12 FOR EACH CIRCUIT NUMBER & 1#12G, IN 3/4 " CONDUIT, UNLESS OTHERWISE NOTED OR SCHEDULED.
	DUPLEX RECEPTACLE, 125V, 20A, 2P, 3W, NEMA 5-20R
UC	UNDER COUNTER, DUPLEX RECEPTACLE, 125V, 20A, 2P, 3W, NEMA 5-20R
GFCI	DUPLEX RECEPTACLE, 125V, 20A, 2P, 3W, NEMA 5-20R, (GROUND FAULT CIRCUIT INTERRUPTER)
GFCI WP	DUPLEX RECEPTACLE, 125V, 20A, 2P, 3W, NEMA 5-20R, (GROUND FAULT CIRCUIT INTERRUPTER WITH IN USE COVER)
	SINGLE RECEPTACLE, 125V, 20A, 2P, 3W, NEMA 5-20R
L	SINGLE RECEPTACLE, 125V, 20A, 2P, 3W, NEMA 5-15R
	QUADRAPLEX RECEPTACLE, 125V, 20A, 2P, 3W NEMA 5-20R
UC	UNDER COUNTER, ISOLATED GROUND RECEPTACLE, 125V, 20A, 2P, 3W, NEMA 5-20R
	DUPLEX RECEPTACLE, MOUNTED 6" (0.15m) ABOVE COUNTER OR BACKSPLASH,125V, 20A, 2P, 3W, NEMA 5-20R
FPD	DUPLEX RECEPTACLE, MOUNTED FOR FLAT PANEL DISPLAY; MOUNT AT APPROXIMATELY 66"; COORDINATE EXACT HEIGHT DISPLAY
	SPECIAL PURPOSE RECEPTACLE, COORDINATE NEMA CONFIGURATION WITH EQUPMENT
	CEILING MOUNTED DUPLEX RECEPTACLE, 120V, 20A, 2P, 3W, NEMA 5-20R
PRJ	CEILING MOUNTED DUPLEX RECEPTACLE, 120V, 20A, FOR PROJECTOR. COORDINATE WITH EQUPMENT
	BENCH TOP PEDESTAL OUTLET, SINGLE FACE, RECEPTACLE TYPE AS INDICATED
	BENCH TOP PEDESTAL OUTLET, DOUBLE FACE, RECEPTACLE TYPE AS INDICATED
P	FLUSH POKE-THROUGH FOR POWER FEEDS. POWER FEEDS TO BE HARDWIRED TO FURNITURE WIRING SYSTEM.
T	FLUSH POKE-THROUGH FOR COMMUNICATION FEEDS. COMMUNICATION FEEDS TO BE HARDWIRED TO FURNITURE WIRING SYSTEM.
AV	FLUSH POKE-THROUGH FOR AUDIO/VISUAL FEEDS. AUDIO/VIDEO FEEDS TO BE HARDWIRED TO FURNITURE WIRING SYSTEM.
PT	FLUSH POKE-THROUGH FOR POWER AND COMMUNICATION FEEDS. POWER AND COMMUNICATION FEEDS TO BE HARDWIRED TO FURNITURE WIRING SYSTEM.
PT AV	FLUSH POKE-THROUGH FOR POWER, COMMUNICATION AND AUDIO/VISUAL FEEDS. POWER, COMMUNICATION AND AUDIO/VISUAL FEEDS TO BE HARDWIRED TO FURNITURE WIRING SYSTEM.
P	FLUSH POKE-THROUGH WITH POWER RECEPTACLES.
T	FLUSH POKE-THROUGH WITH COMMUNICATION RECEPTACLES.
AV	FLUSH POKE-THROUGH WITH AUDIO/VISUAL RECEPTACLES.
PT	FLUSH POKE-THROUGH WITH POWER AND COMMUNICATION RECEPTACLES.
PT AV	FLUSH POKE-THROUGH WITH POWER, COMMUNICATION AND AUDIO/VISUAL RECEPTACLES.
P	RECESSED FLOOR BOX FOR POWER FEEDS. POWER FEEDS TO BE HARDWIRED TO FURNITURE WIRING SYSTEM.
T	RECESSED FLOOR BOX FOR COMMUNICATION FEEDS. COMMUNICATION FEEDS TO BE HARDWIRED TO FURNITURE WIRING SYSTEM.
AV	RECESSED FLOOR BOX FOR AUDIO/VISUAL FEEDS. AUDIO/VISUAL FEEDS TO BE HARDWIRED TO FURNITURE WIRING SYSTEM.
PT	RECESSED FLOOR BOX FOR POWER AND COMMUNICATION FEEDS. POWER AND COMMUNICATION FEEDS TO BE HARDWIRED TO FURNITURE WIRING SYSTEM.
PT AV	RECESSED FLOOR BOX FOR POWER, COMMUNICATION AND AUDIO/VISUAL FEEDS. POWER, COMMUNICATION AND AUDIO/VISUAL FEEDS TO BE HARDWIRED TO FURNITURE WIRING SYSTEM.
	RECESSED FLOOR BOX WITH POWER RECEPTACLES.
	RECESSED FLOOR BOX WITH COMMUNICATION RECEPTACLES.

ELECTRICAL SYMBOLS

AV	RECESSED WALL BOX WITH AUDIO/VISUAL / DATA / POWER RECEPTACLES.
	RECESSED FLOOR BOX WITH POWER AND COMMUNICATION RECEPTACLES.
AV	RECESSED FLOOR BOX WITH POWER, COMMUNICATION AND AUDIO/VISUAL RECEPTACLES.
	HARD-WIRED CONNECTION
J1 J2	JUNCTION BOX; WHIP TO BE HARDWIRED TO FURNITURE WIRING SYSTEM
	PANELBOARD
	DISTRIBUTION/POWER PANEL
	MOTOR CONNECTION
$	SINGLE POLE SWITCH, 20A, 120-277VAC
$ X	"X" REFER TO SWITCH NOTES
	DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
FD	COMBINATION MAGNETIC MOTOR STARTER
CB	ENCLOSED CIRCUIT BREAKER
VFD	VARIABLE FREQUENCY DRIVE
	EMERGENCY POWER OFF
T1	TRANSFORMER, (SEE TRANSFORMER SCHEDULE ON COVER SHEET 2)
	ONE PUSHBUTTON STATION
	START STOP PUSHBUTTON
	RAISE-LOWER PUSHBUTTON WITH CENTER STOP
	PUSH-PLATE FOR AUTOMATIC DOOR
PP PP	POWER POLE; WHIP TO BE HARDWIRED TO FURNITURE WIRING SYSTEM
	GROUND ROD
	GROUND BUS
	LIGHTNING PROTECTION THROUGH ROOF DOWN CONDUCTOR
	LIGHTNING PROTECTION AIR TERMINAL
	MULTI-OUTLET RACEWAY WITH RECEPTACLES EVERY 2 FT ON CENTER AND DATA OUTLETS EVERY 6 FT ON CENTER. TYPE AND CIRCUIT DESIGNATION AS INDICATED
	WIRE/CONDUIT EXPOSED
	WIRE/CONDUIT CONCEALED
	WIRE/CONDUIT CONCRETE ENCASED OR DIRECT BURIED
G	GROUNDING CONDUCTOR, SIZE AS INDICATED.
2W20 (20/2) RP5:7,9	HOME RUN INDICATION WITH PANEL DESIGNATION (RP5), CIRCUIT No.(7)&(9), OVERCURRENT PROTECTION "AMPS AND POLES" (20/2) AND WIRE/CONDUIT DESIGNATION (2W20). SEE WIRE AND CONDUIT SIZE SCHEDULE. PROVIDE 20A/1P AND 2 #12 FOR EACH HOMERUN ARROW & 1 #12G IN 3/4 " CONDUIT, UNLESS OTHERWISE INDICATED. SEE GENERAL NOTE 1.
E	UNDERGROUND DUCT BANK - ELECTRIC
TC	UNDERGROUND DUCT BANK - COMMUNICATION/DATA/TELEPHONE
M	MANHOLE
H	HANDHOLE
1 MI CABLE,1/C	(1) MI CABLE, SINGLE CONDUCTOR
1 MI CABLE,3/C	(1) MI CABLE, THREE CONDUCTOR
3 MI CABLES,1/C	(3) MI CABLES, SINGLE CONDUCTOR EACH
xx	EQUIPMENT IDENTIFICATION TAGS

SINGLE LINE DIAGRAM SYMBOLS

	DRAWOUT CIRCUIT BREAKER OVER 600V
	DRAWOUT CIRCUIT BREAKER
	DRAWOUT FUSES
	CIRCUIT BREAKER
	FUSED DISCONNECT SWITCH
	DISCONNECT SWITCH
	FUSED DRAWOUT CIRCUIT BREAKER
	FUSE
	CONTACT
50N 51N	RELAY SEE RELAY SCHEDULE ON COVER SHEET 2.
	POWER TRANSFORMER WITH VOLTAGES AS INDICATED
	SHIELDED K RATED POWER TRANSFORMER WITH VOLTAGES AS INDICATED
60	DRAWOUT CIRCUIT BREAKER, ELECTRIC OPERATED.
61	CIRCUIT BREAKER, ELECTRIC OPERATED.
E0	FUSED DISCONNECT SWITCH, ELECTRIC OPERATED.
4005 3	CURRENT TRANSFORMER, QUANTITY AND RATIO AS INDICATED.
50/5	GROUND CURRENT, ZERO SEQUENCE TYPE TRANSFORMER. RATIO AS INDICATED.
1	POTENTIAL TRANSFORMER, QUANTITY AS INDICATED.
1	DRAWOUT POTENTIAL TRANSFORMER, QUANTITY AS INDICATED.
LA	LIGHTNING ARRESTOR
	TRANSFORMER CONNECTION DELTA-RESISTANCE GROUNDED WYE
	TRANSFORMER CONNECTION DELTA-GROUNDED WYE
	STATIC BYPASS SWITCH
GEN	GENERATOR
N E L	AUTOMATIC TRANSFER SWITCH
N L E	AUTOMATIC TRANSFER AND BYPASS ISOLATION SWITCH
	PANELBOARD
	POWER FACTOR CORRECTION CAPACITOR

	GROUND CONNECTION
	THERMAL OVERLOADS
K	KEY INTERLOCK
E	ELECTRIC INTERLOCK
SPD	SURGE PROTECTION DEVICE
AM	AMMETER
AS	AMMETER SWITCH
VM	VOLTMETER
VS	VOLTMETER SWITCH
WM	WATTMETER
KWH	KILOWATT-HOUR METER WITH 15 MIN. DEMAND REGISTER
KVH	KILOVAR HOUR METER
PF	POWER FACTOR METER
TB	TERMINAL BLOCK
CS	CONTROL SWITCH
M	MULTIFUNCTION METER AS SPECIFIED.
	BATTERY
A	FEEDER CONNECTION REFERENCE

COMMUNICATION SYMBOLS

2(4)(6)	DATA OUTLET BOX WITH (TWO) (FOUR) (SIX) JACKS DOUBLE GANG BOX WITH SINGLE GANG REDUCER AND 1"C TO ACCESSIBLE CEILING AREA
	COMBINATION VOICE/DATA OUTLET DOUBLE GANG BOX WITH SINGLE GANG REDUCER AND 1"C TO ACCESSIBLE CEILING AREA
W	SINGLE GANG BOX WITH WALL PHONE PLATE AND 3/4 "C TO ACCESSIBLE CEILING AREA.
	CEILING MOUNTED VOICE/DATA RECEPTACLE
	VOICE/DATA RECEPTACLE
TP TP	TELECOMM POLE; WHIP TO BE HARDWIRED TO FURNITURE WIRING SYSTEM

SECURITY SYMBOLS

	CARD READER
DPS	DOOR POSTION SWITCH
REX	REQUEST TO EXIT
	FIXED CCTV POE CAMERA
PTZ	PAN, TILT, ZOOM CCTV POE CAMERA
180	180 OR 360 DEGREE CCTV POE CAMERA

SYMBOLS APPLY ONLY WHEN USED ON DRAWINGS

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Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

ELECTRICAL SYMBOLS

Scale

12" = 1'-0"

E0.1

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ABBREVIATIONS

A,AMP	AMPERE(S)
AC	ALTERNATING CURRENT
AF	AMPERE FRAME (CIRCUIT BREAKER)
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AFU	AMPERE FUSE
AHU	AIR HANDLING UNIT
AIC	AMPERE INTERRUPTING CAPACITY
AL	ALUMINUM
AS	AMMETER SWITCH
AM	AMMETER
AT	AMPERE TRIP (CIRCUIT BREAKER)
ATS	AUTOMATIC TRANSFER SWITCH
AUX	AUXILIARY
A/V	AUDIO VISUAL
AWG	AMERICAN WIRE GAUGE
BAS	BUILDING AUTOMATION SYSTEM
BKR	BREAKER
BLDG	BUILDING
BP	BYPASS
BSC	BIOLOGICAL SAFETY CABINET
C	CONDUCTOR
C/ CDT	CONDUIT
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CLG	CEILING
CO	CONDUIT ONLY
COAX	COAXIAL CABLE
COL	COLUMN
COMM	COMMUNICATIONS
CP	CONTROL PANEL
CPT	CONTROL POWER TRANSFORMER
CPU	CENTRAL PROCESSING UNIT
CR	CARD READER
CRT	CATHODE RAY TUBE MONITOR
CS	CONTROL SWITCH
CU	COPPER
CUH	CABINET UNIT HEATER
CT	CURRENT TRANSFORMER
D	DEPTH
DC	DIRECT CURRENT
DDC	DIRECT DIGITAL CONTROL
DEMO	DEMOLITION
DIA	DIAMETER
DN	DOWN
DISC	DISCONNECT
DIST	DISTRIBUTION
DWG	DRAWING
E	ELECTRIC / EMERGENCY
EC	ELECTRICAL CONTRACTOR, EMPTY CONDUIT
EF	EXHAUST FAN
EL	ELEVATION
ELECT,ELEC	ELECTRICAL
ELEV	ELEVATOR
EMT	ELECTRICAL METALLIC TUBING
EO	ELECTRICALLY OPERATED
EOL	END OF LINE DEVICE
EPO	EMERGENCY POWER OFF
EQ	EQUAL
EQUIP	EQUIPMENT
ER	EXISTING TO BE RELOCATED
EWC	ELECTRIC WATER COOLER
EX	EXISTING TO REMAIN
F	FLUSH
FA	FIRE ALARM
FCC	FIRE COMMAND CENTER
FCU	FAN COIL UNIT
FDDI	FIBER DISTRIBUTED DATA INTERFACE
FDR	FEEDER
FH	FUME HOOD
FIP	FIELD INTERFACE PANEL
FIXT	FIXTURE
FLA	FULL LOAD AMPERES
FLR,FL	FLOOR
FLUOR	FLUORESCENT
FO	FIBER OPTIC
FPB	FAN POWERED BOX
FSD	FIRE SMOKE DAMPER
FU	FUSE
FUT	FUTURE
FVR	FULL VOLTAGE REVERSIBLE
FVNR	FULL VOLTAGE NON REVERSIBLE
G	GROUND (CONDUCTOR)
GA	GAUGE
GEN	GENERATOR
GF	GROUND FAULT
GFI	GROUND FAULT CIRCUIT INTERRUPTER
GND,GRD	GROUND
GPS	GENERATOR PARALLELING SWITCHGEAR
GRC	GALVANIZED RIGID STEEL CONDUIT
HH	HAND HOLE
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTOMATIC SWITCH
HP	HORSEPOWER
HT	HEIGHT
HWP	HOT WATER PUMP
HV	HIGH VOLTAGE
HZ	HERTZ
I/INST	INSTANTANEOUS
ICM	INTERCOM MASTER
ICR	INTERCOM REMOTE
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
INSTR	INSTRUMENT/INSTRUMENTATION
JB,JBOX	JUNCTION BOX
K	KEY LOCK (KEY INTERLOCK SCHEME)
KA	KILOAMPERES
KCM	THOUSAND CIRCULAR MILS
KEF	KITCHEN EXHAUST FAN
KW	KILOWATTS
KWH	KILOWATT HOUR
KV	KILOVOLTS
KVA	KILO VOLT-AMPERES
KVAR	KVA REACTIVE
L	LOCKING TYPE/LOAD
LA	LIGHTNING SURGE ARRESTER
LAB	LABORATORY
LAN	LOCAL AREA NETWORK

ABBREVIATIONS

LT	LONG TIME
LTG	LIGHTING
LP	LIGHTING PANEL
M	METER
mm	MILLIMETER
mm2	MILLIMETERS SQUARED
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCCB	MOLDED CASE CIRCUIT BREAKER
MDF	MAIN DISTRIBUTION FRAME
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MANHOLE
MI	MINERAL-INSULATED
MIN	MINIMUM
MIC	MEDIA INTERFACE CONNECTOR
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MPS	MANUAL PULL STATION
MTD	MOUNTED
MTG	MOUNTING
MTS	MANUAL TRANSFER SWITCH
MV	MEDIUM VOLTAGE
N	NEUTRAL/NORMAL
NEC	NATIONAL ELECTRICAL CODE
NC	NORMALLY-CLOSED
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY-OPEN / NUMBER
NORM	NORMAL
NTS	NOT TO SCALE
NWP	NETWORK PROTECTOR
OCB	OIL CIRCUIT BREAKER
OL	OVERLOAD(S)
OC	ON-CENTER
OS	OCCUPANCY SENSOR
P	POLE
PA	PUBLIC ADDRESS SYSTEM
PB	PUSHBUTTON/PULLBOX
PBX	PRIVATE BRANCH EXCHANGE
PC	PHOTOCELL
PDU	POWER DISTRIBUTION UNIT
PF	POWER FACTOR
PFCC	POWER FACTOR CORRECTION CAPACITORS
PH,ϕ	PHASE
PNL	PANEL
PP	POWER PANEL
PR	PAIR
PRI	PRIMARY
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYLCHLORIDE
PWR	POWER
QTY	QUANTITY
RE	REMOVE EXISTING
REC,RECPT	RECEPTACLE
REPO	REMOTE E.P.O.
REQ,REQD	REQUIRED
RF	RETURN FAN
RIM	READER INTERFACE MODULE
RM	ROOM
RO	REVERSE-OSMOSIS
RP	RECEPTACLE PANEL
RVAT	REDUCED VOLTAGE AUTOTRANSFORMER
RTU	REMOTE TERMINAL UNIT
RUPS	ROTARY UPS
SCA	SHORT CIRCUIT AMPERES
SD	SMOKE DETECTOR
SEC	SECONDARY
SF	SUPPLY FAN
SF6	SULFERHEXAFLORIDE
SPD	SURGE PROTECTIVE DEVICE
SPEC	SPECIFICATION
SPKR	SPEAKER
SS	STAINLESS STEEL/SOLID STATE
ST	SHUNT TRIP/SHORT TIME
STD	STANDARD
STP	SHIELDED TWISTED PAIR
STS	STATIC TRANSFER SWITCH
SW	SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
SYM	SYMMETRICAL
SYS	SYSTEM
T	TRANSFORMER
TB	TERMINAL BLOCK
TELECOM	TELECOMMUNICATIONS
TDR	TIME DOMAIN REFLECTOMETER
TEF	TOILET EXHAUST FAN
TEL,TELE	TELEPHONE
TR	TELEPHONE ROOM
TV	TELEVISION
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
TYP	TYPICAL
UC	UNDER-COUNTER
UH	UNIT HEATER
UL	UNDERWRITERS LABORATORY
UNO	UNLESS NOTED OTHERWISE
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTP	UNSHIELDED TWISTED PAIR
V	VOLT(S)
VA	VOLT-AMPERES
VAV	VARIABLE AIR VOLUME BOX
VFD	VARIABLE FREQUENCY DRIVE
VM	VOLTMETER
VS	VOLTMETER SWITCH
W/	WITH
W	WIRE/WATT/ WIDTH
WCR	WITHSTAND CURRENT RATING
WM	WATTMETER
WP	WEATHERPROOF
WT	WATERTIGHT
XFMR	TRANSFORMER
XP	EXPLOSION-PROOF
ZI	ZONE INTERLOCKING
△Y	DELTA-WYE
2S2W	TWO SPEED TWO WINDING
2SR2W	TWO SPEED REVERSING TWO WINDING

MOUNTING HEIGHTS:

UNLESS OTHERWISE INDICATED, OUTLET BOXES IN WALLS SHALL BE LOCATED WITH CENTERLINE AT THE FOLLOWING ELEVATIONS ABOVE THE FINISHED FLOOR LINE. VERIFY ALL HEIGHTS PRIOR TO ACTUAL LAYOUT OF WORK WITH THE GENERAL CONSTRUCTION CONTRACTOR.

1.	SWITCH OUTLETS	4 FEET
2.	BRACKET OUTLETS (OTHER)	6 FEET-6 INCHES
3.	RECEPTACLE OUTLETS (U.O.N.)	1 FOOT-6 INCHES
4.	RECEPTACLE OUTLETS, MECHANICAL ROOMS	3 FEET
5.	RECEPTACLE OUTLETS MOUNTED, ABOVE CASEWORK/CABINETS	4 INCHES ABOVE BACKSPLASH
6.	CLOCK OUTLETS	12 INCHES BELOW CEILING
7.	MOTOR STARTERS AND SAFETY SWITCHES	4 FEET-6 INCHES
8.	PANELBOARDS (TOP)	6 FEET-6 INCHES

MOUNTING HEIGHT NOTES:

1. THE ABOVE MOUNTING HEIGHTS SHALL BE ADHERED TO UNLESS OTHERWISE NOTED ON PLANS OR SPECIFICATIONS.

GENERAL NOTES:

1. PROVIDE EACH 120V, 20A BRANCH CIRCUIT FROM LIGHTING AND APPLIANCE PANELBOARDS WITH A SEPARATE NEUTRAL FOR EACH PHASE CONDUCTOR. NO SHARED NEUTRALS ARE PERMITTED UNLESS OTHERWISE INDICATED. BRANCH CIRCUIT HOME RUN WIRING MAY BE COMBINED UP TO MAXIMUM OF (6) CURRENT CARRYING CONDUCTORS IN A CONDUIT SIZED PER NFPA 70.
2. THESE ARE STANDARD ABBREVIATION LISTS AND SYMBOLS. DISREGARD UNUSED ABBREVIATIONS AND SYMBOLS.
3. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LUMINAIRE LOCATIONS.
4. ELECTRICAL CONTRACTOR SHALL COORDINATE LOCATION OF LUMINAIRES WITH OTHER TRADES.
5. FOR LOCATION OF MECHANICAL EQUIPMENT, REFER TO MECHANICAL PLANS.
6. A '+' BESIDE A DEVICE INDICATES MOUNTED ABOVE CASEWORK OR COUNTER. A 'UC' BESIDE A DEVICE INDICATES MOUNTED UNDER COUNTER.
7. PROVIDE # 10 AWG PHASE, NEUTRAL, AND GROUND CONDUCTORS FOR 120 VOLT, 20 AMPERE BRANCH CIRCUITS EXCEEDING 100 FEET.
8. RIGID EMT TO BE USED ABOVE CEIING AND INSIDE WALLS. MC CABLE USED FOR WHIP CONNECTIONS WITHIN 6 FEET UNO.

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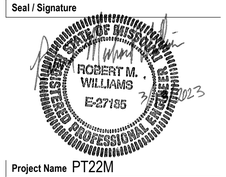
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Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

ELECTRICAL ABBREVIATIONS AND SCHEDULES

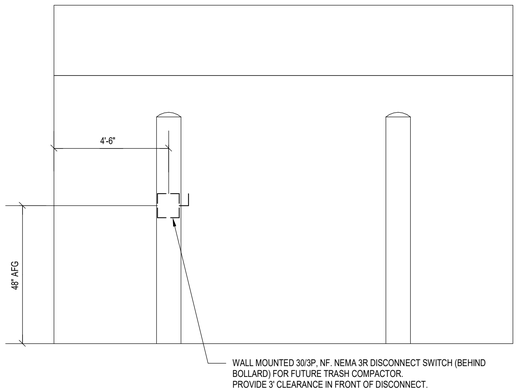
Scale

12" = 1'-0"

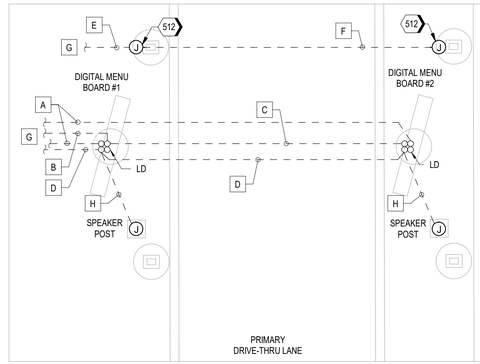
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A2 SERVICE YARD WALL
N.T.S.



A4 DRIVE-THRU MENU BOARD POWER PLAN
N.T.S

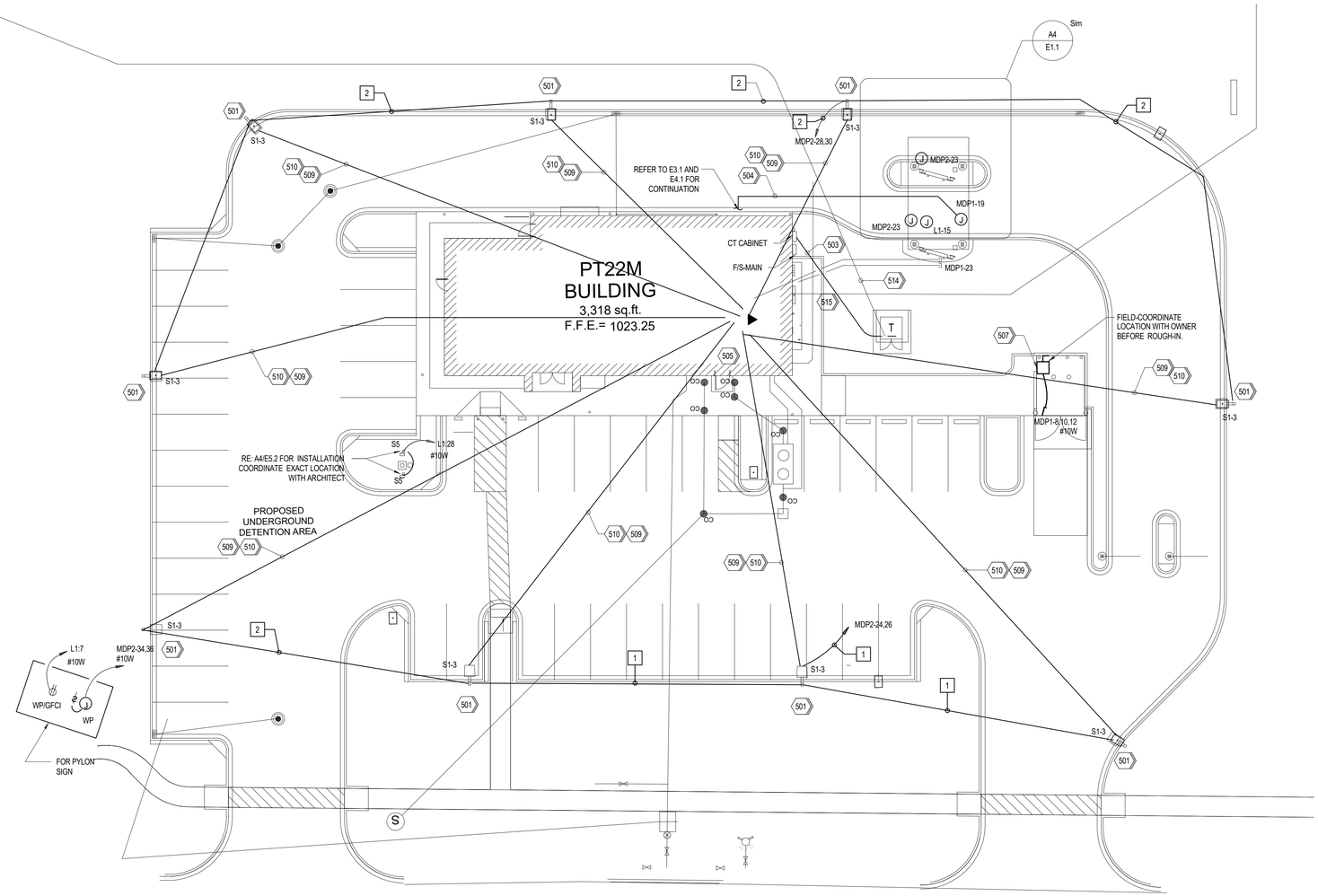
DRIVE-THRU POWER GENERAL NOTES

1. CONDUIT SHOWN FOR GENERAL ROUTING. COORDINATE FINAL LOCATIONS OF CONDUIT STUB UPS WITH DIGITAL MENU BOARD PEDESTAL LOCATIONS IN THE FIELD.
2. (LD) LOOP DETECTOR: EXTEND CONDUIT TO DIGTIAL MENU BOARD PEDESTAL.
3. VERIFY EXACT QUANTITY OF CIRCUITS FOR DIGITAL MENU BOARDS WITH MANUFACTURERS INSTALLATION INSTRUCTIONS.
4. NON-DIGITAL MENU BOARDS: REFER TO DETAIL A1/E1.1 FOR CIRCUIT REQUIRMENTS.
5. DIGITAL MENU BOARDS: CIRCUIT DIGITAL MENU BOARDS TO PANELBOARD L2 , PROVIDE GFCI BREAKERS.

- A — PROVIDE (1) 2"C WITH PULL STRING TO EACH DIGITAL MENU BOARD PEDESTAL FOR DATA.
- B — PROVIDE (2) #10 & (1) #10 GND IN 1"C TO PANELBOARD L2 FOR POWER TO DIGITAL MENU BOARD #1.
- C — PROVIDE SEPERATE (2) #10 & (1) #10 GND IN 1"C TO PANELBOARD L2 FOR POWER TO DIGITAL MENU BOARD #2. DIGITAL MENU BOARD #1 AND #2 SHALL BE CIRCUITED SEPERATLY.
- D — PROVIDE (1) 1" C WITH PULL STRING FOR DRIVE-THRU COMMUNICATION DATA TO HEADSET SYSTEM. RE: A1/E1.1.
- E — PROVIDE (2) #10 & (1) #10 GND IN 1"C FOR CANOPY LIGHTING. RE: A1/E1.1 FOR CIRCUIT REFERENCE.
- F — VERIFY CANOPY TYPE ON A6.7. EXTEND (2) #10 & (1) #10 GND IN 1"C FOR CANOPY LIGHTING WHEN ARCHITECTUAL PLANS SPECIFY TWO SEPERATE DRIVE-THRU CANOPIES.
- G — RE: A1/E3.1 FOR CONDUIT ENTRY INTO BUILDING.
- H — VERIFY LOCATION OF DRIVE THRU MICROPHONE. WHEN MICROPHONE IS LOCATED IN THE SPEAKER POST EXTEND 1"C WITH PULL STRING TO SPEAKER POST. WHEN MICROPHONE IS LOCATED INTERNALTO DIGITAL MENUBOARD THIS CONDUIT CAN BE OMITTED.

GENERAL NOTES

A. REFER TO SHEET E0.1 AND E0.2 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES.
B. CIRCUIT SIGNAGE TO NEW BUILDING AS SHOWN.
C. ELECTRICAL CONTRACTOR SHALL VERIFY ALL POWER AND TELEPHONE REQUIREMENTS AND EQUIPMENT PRIOR TO INSTALLATION.
D. ELECTRICAL CONTRACTOR TO VERIFY UNDERGROUND SERVICE REQUIREMENTS WITH POWER CO.
E. SIGNAGE TO BE INSTALLED BY SIGN CONTRACTOR. VERIFY EXACT LOCATIONS, LOADS AND WIRING REQUIREMENTS PRIOR TO INSTALLATION.
F. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CONDUIT, WIRING AND CONNECTIONS FOR SIGNAGE AND PARKING LOT LIGHTS. (COORDINATE EXACT LOCATIONS).
G. ELECTRICAL CONTRACTOR SHALL VERIFY ALL REQUIREMENTS WITH GENERAL CONTRACTOR.
H. UNDERGROUND CONDUIT INSTALLATIONS SHALL COMPLY WITH NEC ARTICLE 300.5.
J. EXTERIOR LIGHTING AND SIGN LIGHTING SHALL BE CONTROLLED VIA BMS-LIGHTING CONTROL PANEL. REFER TO SHEET E5.3 FOR LIGHTING CONTROL WIRING DIAGRAM.
K. ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH THE NEC AS WELL AS ALL APPLICABLE FEDERAL STATE, AND LOCAL REQUIREMENTS.WHERE CONFLICTS ARISE,THE MOST STRIGENT REQUIREMENT SHALL TAKE PRECEDENCE.
L. ALL UNDERGROUND CONDUIT RUNS SHALL BE ROUTED CLEAR OF UNDERGROUND DETENTION.
M. ALL EXTERIOR LIGHT POLES, FLAGPOLE LIGHTS, SIGNAGE, AND EXTERIOR MENU BOARDS SHALL ROUTE THROUGH THE LIGHTING CONTROL PANEL.



	KEYNOTES
501	AREA LIGHTS WITH POLE AND BASE.
503	ELECTRICAL UNDERGROUND SECONDARY SERVICE ENTRANCE CONDUITS TO BUILDING FROM TRANSFORMER BY E.C. RE: A2/E5.1 SINGLE LINE DIAGRAM. COORDINATE ELECTRIC SERVICE ROUTING WITH UTILITY COMPANY.
504	PROVIDE 1" C WITH PULL STRING FOR DRIVE-THRU COMMUNICATION DATA TO DRIVE THRU HEADSET SYSTEM. RE: A1/E3.1
505	PROVIDE 2" C WITH PULL STRING TO PROPERTY LINE FOR I.T. COMMUNICATION CABLE. ROUTE LINE TO BUILDING AT THIS LOCATION. COORDINATE COMMUNICATION SERVICE WITH UTILITY. RE: A1/E3.1.
507	TRASH COMPACTOR BY OTHERS. PROVIDE 30A/240V/3PH/NF/NEMA 3R DISCONNECT SWITCH WITH 3#10, #10 GND, IN 1"C TO PANEL 'MDP'. STUB UP AGAINST SERVICE YARD WALL. RE: A2/E1.1
509	PROVIDE 3/4" EMPTY CONDUIT WITH PULL WIRE FOR POLE MOUNTED WIRELESS ACCESS POINT (WAP). VERIFY LOCATIONS WITH OWNER PRIOR TO INSTALLATION. ROUTE CONDUIT FROM SITE LIGHTING POLE TO MANAGERS OFFICE. TOTAL CONDUIT RUN FROM BUILDING ENTRY TO WAP NOT TO EXCEED 250'-0". RE: A1/E3.1. CONDUIT ROUTING SHALL BE AS SHOWN TO MAINTAIN COMPLIANCE WITH I.T. STANDARDS.
510	PROVIDE 3/4" EMPTY CONDUIT WITH PULL WIRE FOR POLE MOUNTED SECURITY. VERIFY LOCATIONS WITH OWNER PRIOR TO INSTALLATION. ROUTE CONDUIT FROM SITE LIGHTING POLE TO MANAGERS OFFICE. TOTAL CONDUIT RUN FROM BUILDING ENTRY TO SECURTITY CAMERAS NOT TO EXCEED 250'-0". RE: A1/E3.1 CONDUIT ROUTING SHALL BE AS SHOWN TO MAINTAIN COMPLIANCE WITH I.T. STANDARDS.
512	REFER TO B2/A6.7 FOR TYPE F LIGHT FIXTURE, CANOPY DETAIL.
513	2" C TO SPRINKLER CONTROL BOX. RE: A1/E3.1.
514	UNDERGROUND ELECTRICAL SERVICE TO TRANSFORMER.
515	REFER TO A1/E3.1 FOR SITE CONDUIT ENTRIES.
516	1" C (WITH PULL TAPE) STUB-OUT TO PANEL "MDP1" FOR POSSIBLE FUTURE EXTERIOR MENU BOARD.
517	2" C (WITH PULL TAPE) STUB-OUT TO MDF RACK FOR POSSIBLE FUTURE EXTERIOR MENU BOARD.

UNDERGROUND CONDUIT SCHEDULE

#	CIRCUIT	WIRE SIZE	GROUND	CONDUIT SIZE
1	MDP2-24,26	2 - #10 THWN	#10	3/4"
2	MDP2-28,30	2 - #10 THWN	#10	3/4"

PLAN NORTH

ELECTRICAL SITE PLAN
SCALE" 1/6" = 1'-0"

0' 8' 16' 32' 64'
SCALE: 1/16"=1'-0"

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Project Name PT22M
240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number
122.0088.470

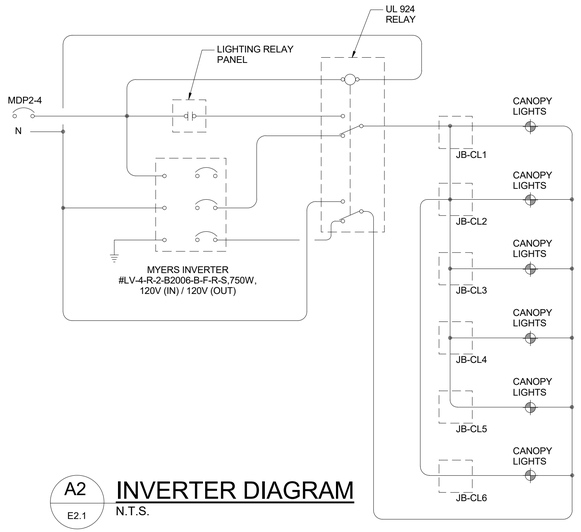
Description
ELECTRICAL SITE PLAN

Scale
As indicated

E1.1

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A2 E2.1 **INVERTER DIAGRAM**
N.T.S.

GENERAL NOTES

A. REFER TO SHEET E0.1 AND E0.2 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES.

B. DINING ROOM LIGHTING PLAN CORRESPONDS TO REFLECTED CEILING PLAN, SHEET A1.3. ELECTRICAL CONTRACTOR SHALL REFER TO THE PLANS PROVIDED BY INTERIOR DECOR.

C. ALL LIGHTING FIXTURES SHALL BE SWITCHED LOCALLY, CONTROLLED BY OCCUPANCY SENSOR OR BMS CONTROLLED UNLESS OTHERWISE NOTED.

D. SPECIAL SWITCHES SHALL BE INSTALLED AS NOTED.

E. REFER TO ARCHITECTURAL CEILING PLAN, SHEET A1.3 FOR EXACT LOCATIONS OF ALL LIGHT FIXTURES AND HVAC DIFFUSER LOCATIONS. PRIOR TO ANY ELECTRICAL ROUGH-IN.

F. COORDINATE EXACT LOCATION OF J-BOXES WITH ACTUAL LOCATION OF RESPECTIVE SIGNAGE OR LIGHTING, SEE SHEET E5.3. ALL EXTERIOR SIGNAGE AND LIGHTING TO BE CONTROLLED THRU LIGHTING CONTROL PANEL..(2) 4 POLE N.O. CONTACTOR, WHICH HANDLE UP TO 30 AMPS EACH. SITE SIGNAGE, ALL DRIVE-THRU MENUS, ALL WHATABURGER LOGO BUILDING SIGNS CONNECTED TO OUTDOOR SIGNAGE TERMINALS. SOFFIT RECESSED FIXTURES AND BACK DOOR LIGHTING ARE CONNECTED TO OUTDOOR LIGHTING TERMINALS.

G. REFER TO SHEET E1.1 FOR LOCATIONS OF SIGNAGE, PARKING LOT LIGHTING, DRIVE THRU CONDUITS AND SERVICE LOCATION.

GENERAL NOTES

H. ELECTRICAL CONTRACTOR SHALL DETERMINE FINAL CONDUCTOR LENGTHS AND SIZES AS PER N.E.C. SIZE OF CONDUCTORS SHALL BE ADJUSTED FOR VOLTAGE DROP AS REQUIRED BY N.E.C.

I. ALL PENETRATIONS THROUGH THE WALK IN COOLER/FREEZER ARE TO BE SEALED WITH SILICONE AROUND THE INTERIOR AND EXTERIOR OF THE CONDUITS TO PREVENT CONDENSATION.

J. ELECTRICAL CONTRACTOR SHALL FEED SIGNAGE AND SECURITY LIGHTING WITH SEPERATE CIRCUITS ON ANY COMMON CONDUIT RUN. FOR EXAMPLE, DO NOT FEED A POLE TOP SECURITY LIGHT IN THE SAME CIRCUIT WITH THE LARGE SIGN. SEPERATE ALL SIGNAGE AND SECURITY LIGHTING.

K. REFER TO ARCHITECTURAL ELEVATIONS FOR BUILDING SIGN LOCATIONS. COORDINATE ALL J-BOX LOCATIONS WITH SIGN LOCATIONS PRIOR TO INSTALLATION.

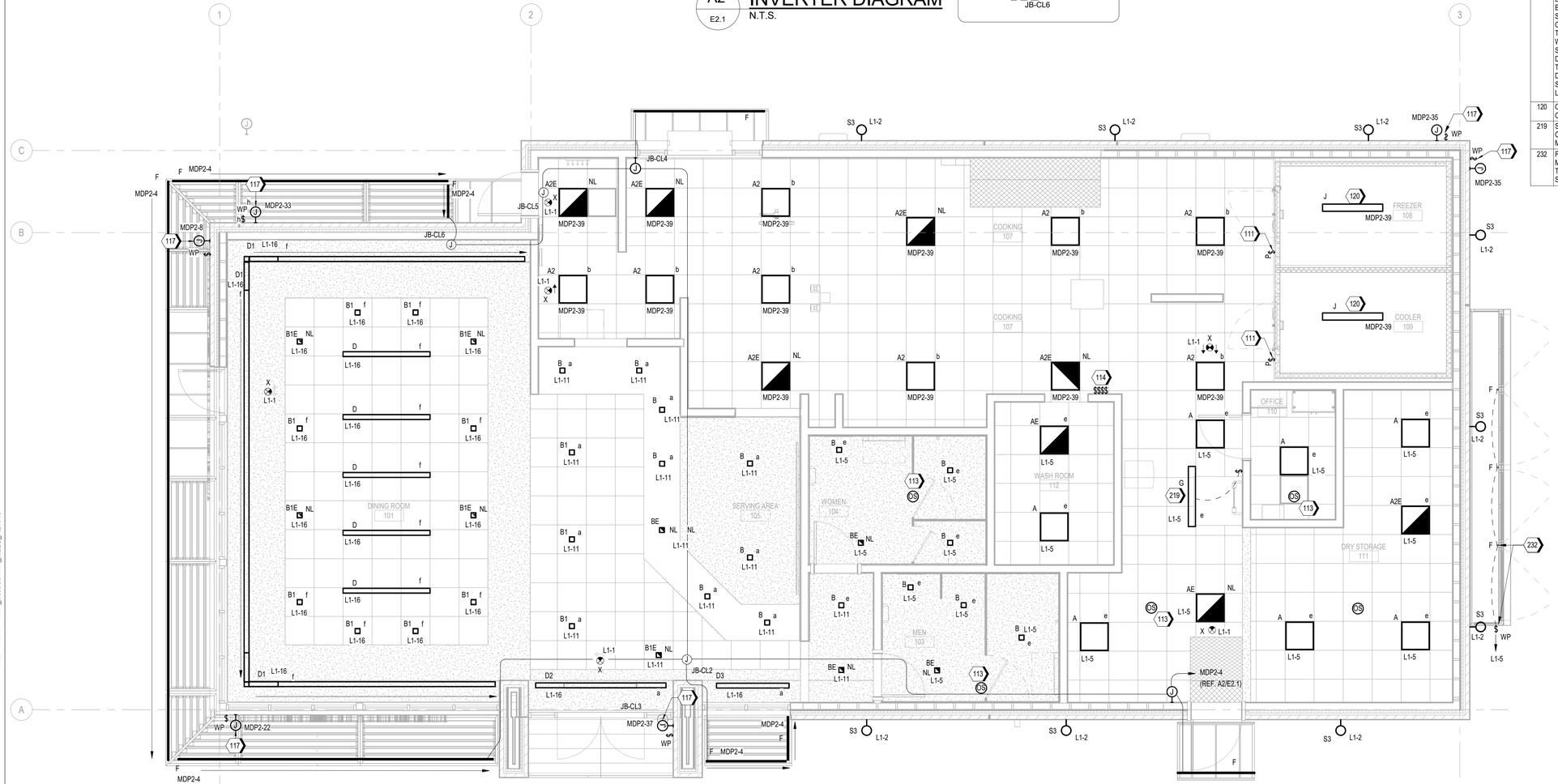
L. REFER TO SHEET E6.1 FOR LIGHT FIXTURE SCHEDULE.

M. FOR LIGHTS WITH EMERGENCY BATTERY BACK-UP: NORMAL DUTY BALLAST TO BE SWITCHED. EMERGENCY BALLAST TO OPEN UPON POWER FAILURE ONLY.

N. EXIT SIGNS AND NIGHT LIGHTS SHALL NOT BE SWITCHED.

P. ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH THE NEC AS WELL AS ALL APPLICABLE FEDERAL STATE,AND LOCAL REQUIREMENTS.WHERE CONFLICTS ARISE,THE MOST STRINGENT REQUIREMENT SHALL TAKE PRECEDENCE.

	KEYNOTES
111	ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUITS, CONDUCTORS, AND CONNECTIONS FOR TWO SWITCHES FOR COOLER BOXES. SWITCH WITH PILOT LIGHT IN J-BOX PROVIDED BY OTHERS.
113	CEILING MOUNTED OCCUPANCY SENSOR TO CONTROL LIGHTING WITHIN THIS SPACE. PROVIDE PASSIVE INFRARED LINE VOLTAGE HUBBELL #PIR10P CEILING MOUNTED SERIES OR EQUIVALENT, WITH A MAXIMUM DELAY SETTING OF 20 MINUTES.
114	PROVIDE AND INSTALL WALL SWITCHES TO CONTROL GENERAL LIGHTING CIRCUITS. INDICATE WHICH LIGHTING CIRCUIT IS CONTROLLED ON EACH SWITCH WITH AN ORANGE ENGRAVED PHENOLIC NAME PLATE WITH WHITE LETTERS. REFER TO DETAIL A1/E5.1.
117	PROVIDE LOCKABLE WEATHER PROOF TOGGLE SWITCH AND CONNECT THROUGH BMS-LIGHTING CONTROL PANEL. COORDINATE EXACT LOCATION OF J-BOXES WITH ACTUAL LOCATION OF RESPECTIVE SIGNAGE OR LIGHTING, COORDINATE EXACT LOCATION WITH ARCHITECTUAL PLANS. ALL EXTERIOR SIGNAGE AND LIGHTING TO BE CONTROLLED THRU BMS-LIGHTING CONTROL PANEL, (2) 4 POLE N.O. CONTACTOR, WHICH HANDLE UP TO 30 AMPS EACH. SITE SIGNAGE, ALL DRIVE-THRU MENUS, ALL WHATABURGER LOGO BUILDING SIGNS CONNECTED TO OUTDOOR SIGNAGE TERMINALS SOFFIT RECESSED FIXTURES AND BACK DOOR LIGHTING ARE CONNECTED TO OUTDOOR LIGHTING TERMINALS. REFER TO E5.3 FOR LIGHTING CONTROL WIRING DIAGRAM. BUILDING MOUNTED EXTERIOR LIGHTS AND EXTERIOR SIGNAGE ARE CONTROLLED BY (1) CONTACTOR. EXTERIOR SITE LIGHTS ARE CONTROLLED BY SECOND CONTACTOR.
120	ONLY SEALTIGHT SHALL BE PERMITED IN WALK-IN COOLER/FREEZER. SEAL PER NEC 300.7(A).
219	SECURE TYPE "G" STRIP LIGHT TO UNISTRUT (LIGHT FACES UP) IN CEILING CAVITY AT HATCH TO ILLUMINATE HATCH LOCKING MECHANISM. SECURE UNISTRUT TO STRUCTURE ABOVE.
232	FURNISHED AND INSTALLED BY ELECTRICAL ENCLOSURE MANUFACTURER. SWITCH IS MANUAL OFF/ON AND IS PRE-WIRED TO LIGHTS. CONTRACTOR SHALL PROVIDE INDICATED 120V TO SWITCH.



PLAN NORTH

A1 **ELECTRICAL LIGHTING PLAN**
1/4" = 1'-0"

0' 2' 4' 8' 16'
SCALE: 1/4"=1'-0"

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229 E. Houston St.
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United States
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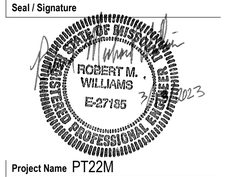
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Project Number
122.0088.470

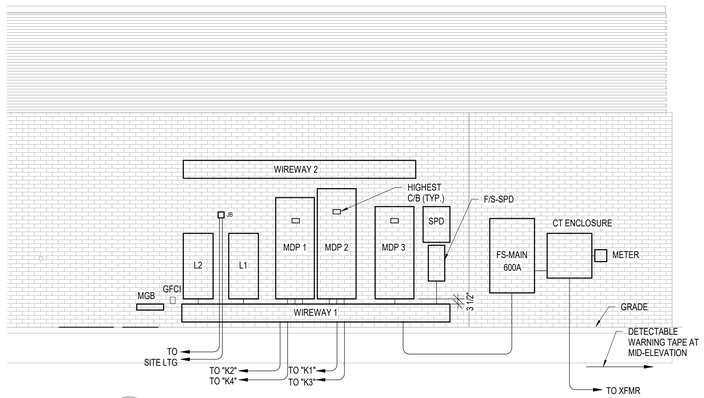
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ELECTRICAL LIGHTING PLAN

Scale
As indicated

E2.1

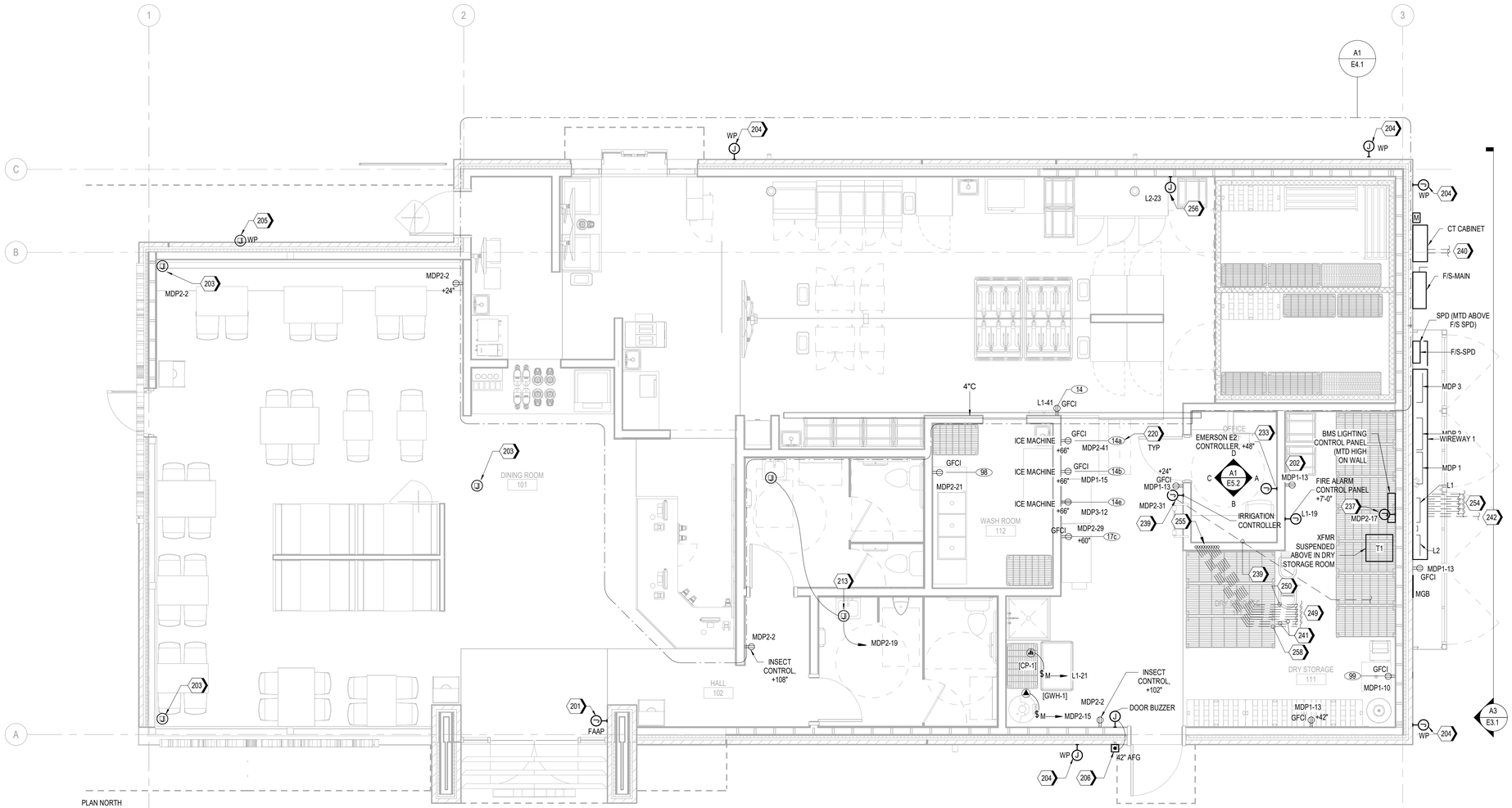
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A3 BUILDING SERVICE ELEVATION

1/4" = 1'-0"



PLAN NORTH

A1 ELECTRICAL POWER PLAN

1/4" = 1'-0"

GENERAL NOTES	GENERAL NOTES
A. REFER TO SHEET E0.1 AND E0.2 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES.	I. ALL ISOLATED GROUND JUNCTION BOXES, LOCATED ABOVE CEILING, SHALL BE LABELED "REGISTER."
B. VERIFY ALL POWER AND TELEPHONE COMPANY REQUIREMENTS PRIOR TO ALL INSTALLATIONS.	J. ALL ISOLATED GROUND SPLICES SHALL BE MADE WITH CRIMP TYPE CONNECTORS. WIRE NUTS ARE NOT ACCEPTABLE.
C. PROVIDE AND LEAVE A PULL WIRE IN ALL EMPTY CONDUITS.	K. REFER TO KITCHEN EQUIPMENT PLANS FOR EXACT LOCATION OF ELEC. CONDUIT STUB-UPS AT COOK LINES.
D. ELECTRICAL CONTRACTOR SHALL ROUTE UNDERFLOOR POWER WIRING IN CONDUITS TO KITCHEN PANELS AS REQUIRED.	L. 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 FOLLOWING LOCATIONS (PART B-OTHER THAN DWELLING UNIT KITCHENS) SHALL HAVE GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTION FOR PERSONNEL. THIS INCLUDES RECEPTACLES ON 240-VOLT CIRCUITS. THREE-PHASE RECEPTACLES ON 208Y/120-VOLT THREE-PHASE CIRCUITS IN THOSE AREAS WOULD ALSO REQUIRE GFCI PROTECTION. PER NEC 210.8 (B) AND AHJ REQUIREMENTS.
E. ELECTRICAL KITCHEN EQUIPMENT SCHEDULE IS ONLY SHOWN FOR REFERENCE. COORDINATE ALL KITCHEN RECEPTACLE(S), EQUIPMENT CONNECTIONS, AND INSTALLATION WITH KITCHEN DRAWINGS AND EQUIPMENT SUPPLIER. REFER TO EQUIPMENT SUPPLIER DRAWINGS FOR PRE-WIRED KITCHEN PANELS AND ADDITIONAL EQUIPMENT LISTING AND REQUIREMENTS.	M. REFER TO SHEET E6.1 FOR EQUIPMENT SCHEDULES AND CONNECTION INFORMATION.
F. PANELS SHALL NOT TAKE MORE SPACE THAN ALLOCATIED ON PLANS. ONLY SPACES FOR BREAKERS SHALL HAVE KNOCKOUTS IN PANELS. BREAKER CLOSURE PLATES SHALL BE KEPT TO A MINIMUM.	N. ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH THE NEC AS WELL AS ALL APPLICABLE FEDERAL STATE,AND LOCAL REQUIREMENTS.WHERE CONFLICTS ARISE,THE MOST STRINGENT REQUIREMENT SHALL TAKE PRECEDENCE.
G. ELECTRICAL CONTRACTOR SHALL CONNECT ALL INTERNAL WIRING (CORD SETS) BETWEEN VENTILATION STAND AND PASS-THROUGH STAND. CONNECTIONS SHALL BE COMPLETE AND TESTED BEFORE ACCEPTANCE.	O. CONTRACTOR SHALL INSTALL SOOW CORDS WITH KELLUM STYLE STRAIN RELIEFS AND APPROPRIATE PLUGS FOR THE FOLLOWING EQUIPMENT: TWO CORDS FOR EACH GRILL (4 TOTAL),ONE FOR EACH FRYER (5 TOTAL) AND ONE FOR OVEN.COORDINATE ALL REQUIRMENTS WITH KITCHEN EQUIPMENT PROVIDER.
H. CENTER ISLAND KITCHEN EQUIPMENT IS PROVIDED PREWIRED TO EQUIPMENT CONTACTORS.	
I. REFER TO SHEET E6.1 FOR CONNECTION SCHEDULES RELATED TO WORK ON THIS SHEET.	

	KEYNOTES
201	FIRE ALARM ANNUNCIATOR PANEL. REFER TO FIRE ALARM DRAWINGS FOR FURTHER INFORMATION.
202	FIRE ALARM CONTROL PANEL. REFER TO FIRE ALARM DRAWINGS FOR FURTHER INFORMATION.
203	PROVIDE CEILING MOUNTED JUNCTION BOX FOR SECURITY. PROVIDE 3/4" CONDUIT WITH NYLON PULL STRING FROM ELECTRICAL PANEL AREA TO JUNCTION BOX.
204	PROVIDE WALL MOUNTED, GASKETED JUNCTION BOX MOUNTED 9'-0" ABOVE GRADE FOR SECURITY OR WIRELESS ACCESS POINT. PROVIDE 3/4" CONDUIT WITH NYLON PULL STRING FROM MANAGERS OFFICE TO JUNCTION BOX.
205	PROVIDE CEILING MOUNTED, GASKETED JUNCTION BOX FOR SECURITY. PROVIDE 3/4" CONDUIT WITH NYLON PULL STRING FROM ELECTRICAL PANEL AREA TO JUNCTION BOX.
206	PROVIDE BELL AND BUZZER WITH STAINLESS STEEL COVER PLATE. PROVIDE 120/24V CONTROL TRANSFORMER. EDWARDS #156G-3G5/592/620.
213	PROVIDE STEP-DOWN TRANSFORMER FOR TOUCH-FREE VALVES.
220	REFER TO EQUIPMENT SCHEDULE ON SHEET E6.1 FOR ELECTRICAL INFORMATION.
233	COORDINATE ALL OFFICE WORK WITH WHATABURGER PRIOR TO BEGINNING CONSTRUCTION.
237	CONNECT BMS-LIGHTING CONTROL PANEL TO 120V POWER. REFER TO SHEET E5.3 FOR INSTALLATION DETAILS.
239	PROVIDE (1) 2"C FROM SPRINKLER CONTROL BOX TO LANDSCAPE AREA. PROVIDE (1) 4X4 PULL BOX AT +48" FOR IRRIGATION CONNECTION TO IRRIGATION CONTROLLER.
240	(3) 3" UNDERGROUND (U.G.) SCHEDULE 40 CONDUITS TO TRANSFORMER, RE: A2/E5.1
241	(1) 2"C WITH PULL STRING FOR DATA TO FUTURE DIGITAL MENUBOARD PEDESTAL, REF A4/E1.1.
249	ENTRY FOR POLE MOUNTED SECURITY OR WIRELESS ACCESS POINT, PROVIDE 3/4" CONDUIT WITH PULL WIRE FROM MANAGERS OFFICE TO SITE LIGHTING POLES. CONDUIT ENTRIES SHOWN FOR REFERENCE. VERIFY UG CONDUIT COUNT ON A1/E1.1.
250	PROVIDE 2" CONDUIT WITH PULL STRING TO PROPERTY LINE FOR I.T. COMMUNICATION CABLE.
255	ROUTE COUNDUIT IN WALL. COORDINATE EXACT LOCATION AND HEIGHT REQUIRMENTS WITH WB IT DEPARTMENT.
256	PROVIDE WALL MOUNTED JUNCTION BOX 7.5" FROM FLOOR FOR COMMUNICATION CABLES. PROVIDE 1" CONDUIT WITH NYLON PULL STRING FROM CEILING CAVITY DOWN TO JBOX. PROVIDE POWER OUTLET 1" OFFSET FROM JBOX FOR POWER TO COMMUNICATION EQUIPMENT.
258	PROVIDE ONE 1.5" CONDUIT WITH PULL STRING TO 5' FROM BLDG PERIMETER FOR EXTENSION TO BASE PEDESTAL OF DIGITAL MENU BOARD (FOR COMMUNICATIONS CABLES) BY OWNER. STUB CONDUIT IN WALL OF MANAGERS OFFICE FOR EXTENSION BY OWNER.

0' 2' 4' 8' 16'

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

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Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

ELECTRICAL POWER PLAN

Scale

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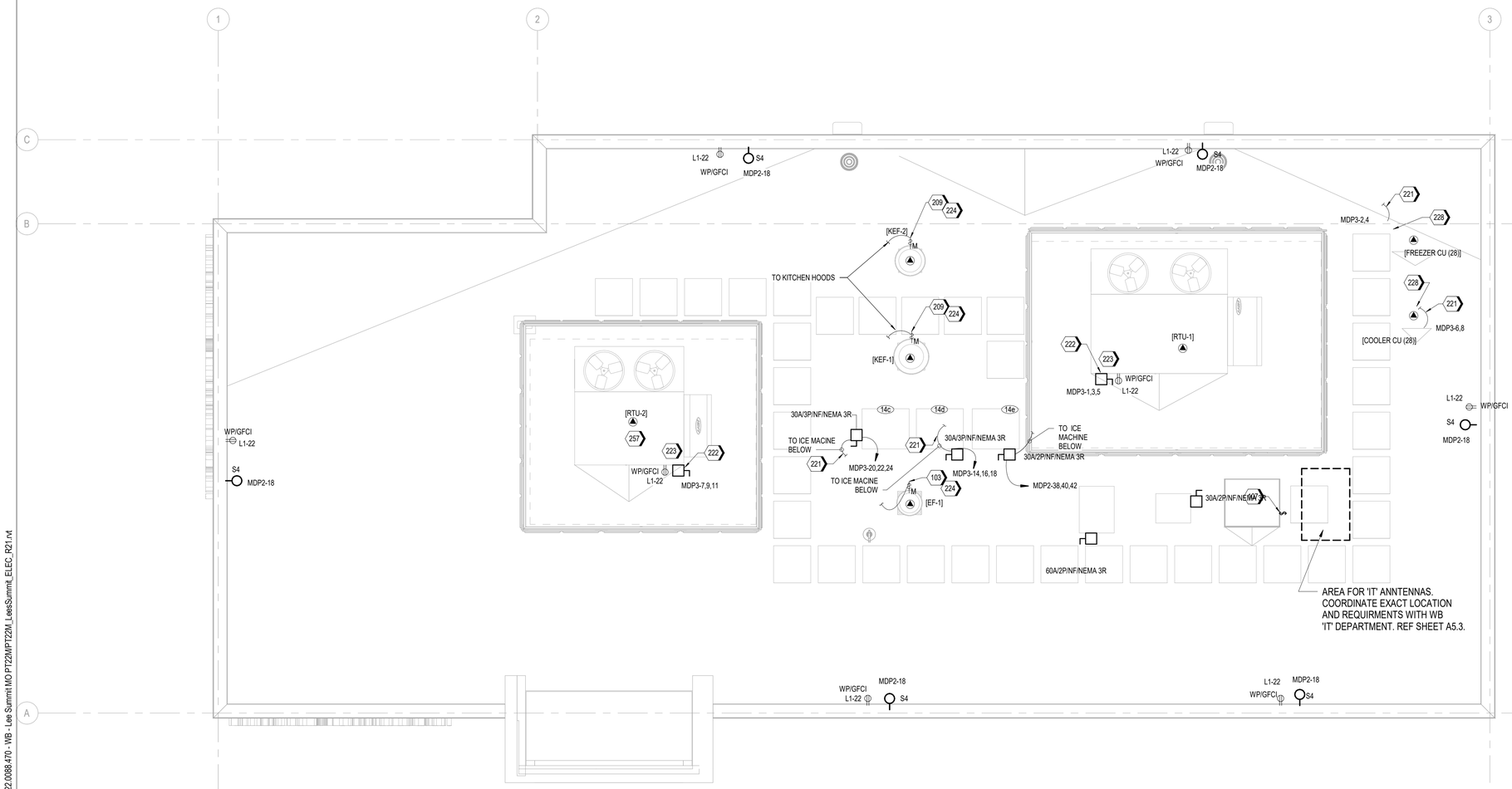
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GENERAL NOTES	GENERAL NOTES
A. REFER TO SHEET E0.1 AND E0.2 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES. B. VERIFY ALL POWER AND TELEPHONE COMPANY REQUIREMENTS PRIOR TO ALL INSTALLATIONS. C. PROVIDE AND LEAVE A PULL WIRE IN ALL EMPTY CONDUITS. D. ELECTRICAL CONTRACTOR SHALL ROUTE UNDERFLOOR POWER WIRING IN CONDUITS TO KITCHEN PANELS AS REQUIRED. E. ELECTRICAL KITCHEN EQUIPMENT SCHEDULE IS ONLY SHOWN FOR REFERENCE. COORDINATE ALL KITCHEN RECEPTACLES(S), EQUIPMENT CONNECTIONS, AND INSTALLATION WITH KITCHEN DRAWINGS AND EQUIPMENT SUPPLIER. REFER TO EQUIPMENT SUPPLIER DRAWINGS FOR PRE-WIRED KITCHEN PANELS AND ADDITIONAL EQUIPMENT LISTING AND REQUIREMENTS. F. PANELS SHALL NOT TAKE MORE SPACE THAN ALLOCATIED ON PLANS. ONLY SPACES FOR BREAKERS SHALL HAVE KNOCKOUTS IN PANELS. BREAKER CLOSURE PLATES SHALL BE KEPT TO A MINIMUM. G. ELECTRICAL CONTRACTOR SHALL CONNECT ALL INTERNAL WIRING (CORD SETS) BETWEEN VENTILATION STAND AND PASS-THROUGH STAND. CONNECTIONS SHALL BE COMPLETE AND TESTED BEFORE ACCEPTANCE. H. CENTER ISLAND KITCHEN EQUIPMENT IS PROVIDED PREWIRED TO EQUIPMENT CONTACTORS. I. REFER TO SHEET E6.1 FOR CONNECTION SCHEDULES RELATED TO WORK ON THIS SHEET.	I. ALL ISOLATED GROUND JUNCTION BOXES, LOCATED ABOVE CEILING, SHALL BE LABELED "REGISTER." J. ALL ISOLATED GROUND SPLICES SHALL BE MADE WITH CRIMP TYPE CONNECTORS. WIRE NUTS ARE NOT ACCEPTABLE. K. REFER TO KITCHEN EQUIPMENT PLANS FOR EXACT LOCATION OF ELEC. CONDUIT STUB-UPS AT COOK LINES. L. 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 FOLLOWING LOCATIONS (PART B-OTHER THAN DWELLING UNIT KITCHENS) SHALL HAVE GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTION FOR PERSONNEL. THIS INCLUDES RECEPTACLES ON 240-VOLT CIRCUITS. THREE-PHASE RECEPTACLES ON 208Y/120-VOLT THREE-PHASE CIRCUITS IN THOSE AREAS WOULD ALSO REQUIRE GFCI PROTECTION. PER NEC 210.8 (B) AND AHJ REQUIREMENTS. M. REFER TO SHEET E6.1 FOR EQUIPMENT SCHEDULES AND CONNECTION INFORMATION. N. ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH THE NEC AS WELL AS ALL APPLICABLE FEDERAL STATE AND LOCAL REQUIREMENTS WHERE CONFLICTS ARISE,THE MOST STRINGENT REQUIREMENT SHALL TAKE PRECEDENCE. O. CONTRACTOR SHALL INSTALL SOOW CORDS WITH KELLUM STYLE STRAIN RELIEFS AND APPROPRIATE PLUGS FOR THE FOLLOWING EQUIPMENT: TWO CORDS FOR EACH GRILL (4 TOTAL),ONE FOR EACH FRYER (5 TOTAL) AND ONE FOR OVEN COORDINATE ALL REQUIRMENTS WITH KITCHEN EQUIPMENT PROVIDER.

	KEYNOTES
103	CONNECT ROOF MOUNTED EXHAUST FAN 'EF-1' AND MOTORIZED DAMPER TO OCCUPANCY SENSOR IN RESTROOM STALLS. EXHAUST FAN SHALL OPERATE WHEN LIGHTS ARE ON. REFER TO SHEET E2.1 FOR OCCUPANCY SENSOR LOCATION.
107	PROVIDE WEATHER PROOF ENCLOSURE FOR ROOF LIGHTING SWITCH.
209	KITCHEN HOODS SHALL BE ACTIVATED BY HEAT SENSORS. ALL LINE VOLTAGE EQUIPMENT, LIGHTING, AND RECEPTACLES BELOW HOOD SHALL BE DEACTIVATED UPON ANSUL ACTIVATION VIA CONTACTORS PROVIDED BY CONTRACTOR. REFER TO DETAIL A5/E5.2. HOOD SENSOR FURNISHED BY OWNER
221	ROUTE CONTROL WIRE TO CONTROLER BELOW. COORDINATE WITH GENERAL CONTRACTOR.
222	PROVIDE 3/4" CONDUIT AND WIRE BELOW ROOF FOR RTU CONTROLS. ROOF PENETRATION TO BE MADE WITHIN UNIT CURB.
223	INTERGRAL DISCONNECT SWITCH AND WP/GFCI RECEPTACLE, PROVIDED AND INSTALLED BY RTU MANUFACTURER.
224	DISCONNECT SWITCH PROVIDED BY FAN MANUFACTURER.
228	SILICONE SEAL ALL CONDUIT PENETRATIONS ABOVE AND BELOW, INSIDE AND OUT AT WALK-INS TO CONTROL CONDENSATION (TYPICAL).
257	MOUNT WEATHER STATION TO RTU. PROVIDE SUPPORT STRUCTURE TO MEET WIND LOADS.



PLAN NORTH

A1 ELECTRICAL POWER PLAN - ROOF

1/4" = 1'-0"

0' 2' 4' 8' 16'

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

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Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

ELECTRICAL POWER PLAN - ROOF

Scale

As indicated

E3.2

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ANSUL HOOD CONTACTOR SCHEDULE		
CIRCUITS	POLES	EQUIPMENT
K1-1,3	50/2P	PITCO SE14TE FRYER
K1-4,6	50/2P	PITCO SE14TE FRYER
K1-14,16,18	70/3P	PITCO SE184 FRYER
K2-14,16,18	70/3P	72" GRILL
K2-20,22,24	70/3P	72" GRILL
K3-1,3,5	70/3P	72" GRILL
K3-2,4,6	70/3P	72" GRILL
K4-1,3,5	70/3P	PITCO SE184 - 2 FRYER
K4-2,4,6	70/3P	PITCO SE14 FRYER
NOTES:		
1. ALL EQUIPMENT UNDER HOOD IS SERVED BY AN ANSUL CONTROLLED EMERGENCY SHUT-DOWN CONTACTOR.		

PHONE LINE SCHEDULE
LINE #1-STORE PHONE
LINE #2-STORE PHONE
LINE #3-FAX/BUILDING CONTROL
NOTES:
1. VERIFY IF LINE #4 WILL BE REQUIRED FOR FIRE ALARM PANEL.

GENERAL NOTES

A. REFER TO SHEET E0.1 AND E0.2 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES.

B. VERIFY ALL POWER AND TELEPHONE COMPANY REQUIREMENTS PRIOR TO ALL INSTALLATIONS.

C. PROVIDE AND LEAVE A PULL WIRE IN ALL EMPTY CONDUITS.

D. ELECTRICAL CONTRACTOR SHALL ROUTE UNDERFLOOR POWER WIRING IN CONDUITS TO KITCHEN PANELS AS REQUIRED.

E. ELECTRICAL KITCHEN EQUIPMENT SCHEDULE IS ONLY SHOWN FOR REFERENCE. COORDINATE ALL KITCHEN RECEPTACLES(S), EQUIPMENT CONNECTIONS, AND INSTALLATION WITH KITCHEN DRAWINGS AND EQUIPMENT SUPPLIER. REFER TO EQUIPMENT SUPPLIER DRAWINGS FOR PRE-WIRED KITCHEN PANELS AND ADDITIONAL EQUIPMENT LISTING AND REQUIREMENTS.

F. PANELS SHALL NOT TAKE MORE SPACE THAN ALLOCATIED ON PLANS. ONLY SPACES FOR BREAKERS SHALL HAVE KNOCKOUTS IN PANELS. BREAKER CLOSURE PLATES SHALL BE KEPT TO A MINIMUM.

G. ELECTRICAL CONTRACTOR SHALL CONNECT ALL INTERNAL WIRING (CORD SETS) BETWEEN VENTILATION STAND AND PASS-THROUGH STAND. CONNECTIONS SHALL BE COMPLETE AND TESTED BEFORE ACCEPTANCE.

H. CENTER ISLAND KITCHEN EQUIPMENT IS PROVIDED PREWIRED TO EQUIPMENT CONTACTORS.

GENERAL NOTES

I. ALL ISOLATED GROUND JUNCTION BOXES, LOCATED ABOVE CEILING, SHALL BE LABELLED "REGISTER."

J. ALL ISOLATED GROUND SPLICES SHALL BE MADE WITH CRIMP TYPE CONNECTORS. WIRE NUTS ARE NOT ACCEPTABLE.

K. REFER TO KITCHEN EQUIPMENT PLANS FOR EXACT LOCATION OF ELEC. CONDUIT STUB-UPS AT COOK LINES.

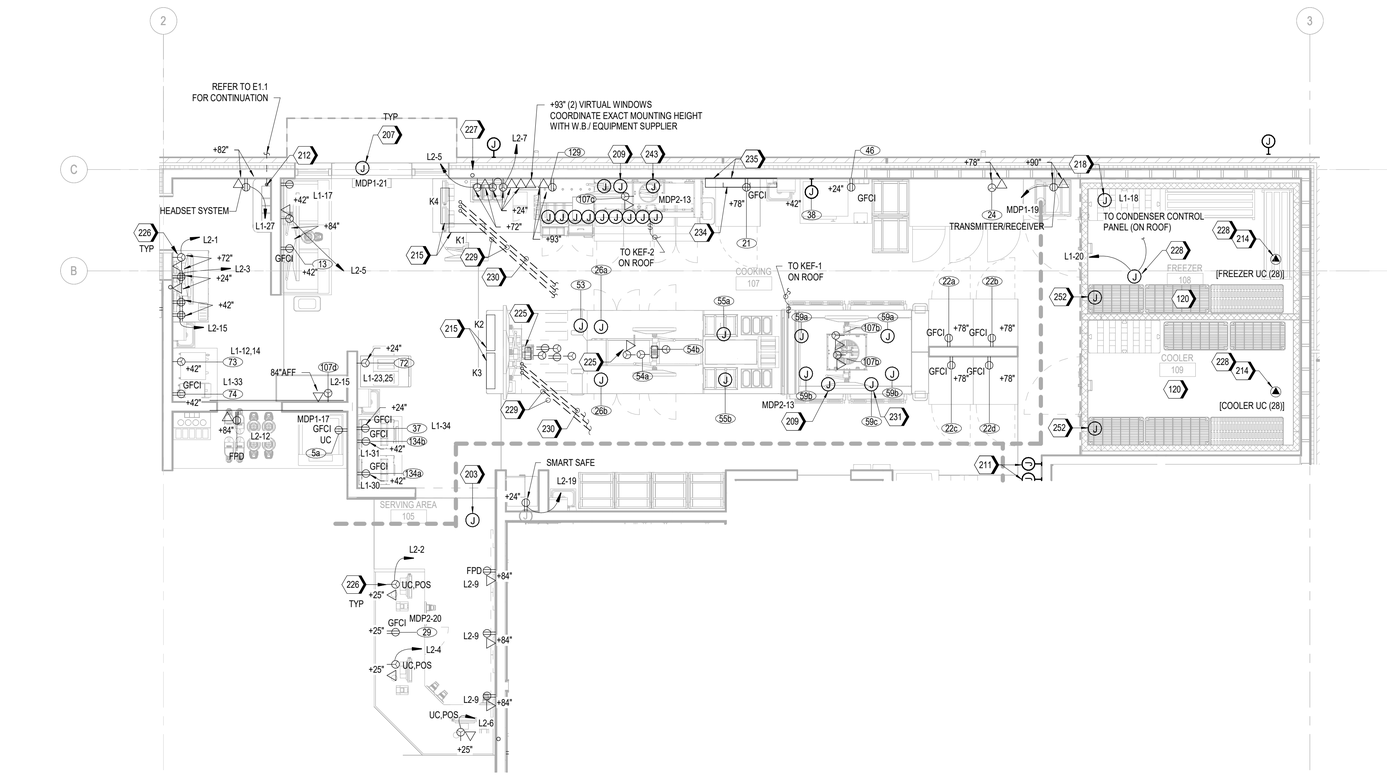
L. ALL SINGLE-PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 50 AMPERES OR LESS AND THREE-PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 100 AMPERES OR LESS INSTALLED IN THE FOLLOWING LOCATIONS (PART B-OTHER THAN DWELLING UNIT KITCHENS) SHALL HAVE GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTION FOR PERSONNEL. THIS INCLUDES RECEPTACLES ON 240-VOLT CIRCUITS. THREE-PHASE RECEPTACLES ON 208Y/120-VOLT THREE-PHASE CIRCUITS IN THOSE AREAS WOULD ALSO REQUIRE GFCI PROTECTION. PER NEC 210.8 (B) AND AHJ REQUIREMENTS.

M. REFER TO SHEET E6.1 FOR EQUIPMENT SCHEDULES AND CONNECTION INFORMATION.

N. ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH THE NEC AS WELL AS ALL APPLICABLE FEDERAL STATE,AND LOCAL REQUIREMENTS.WHERE CONFLICTS ARISE,THE MOST STRINGENT REQUIREMENT SHALL TAKE PRECEDENCE.

O. CONTRACTOR SHALL INSTALL SOOW CORDS WITH KELLUM STYLE STRAIN RELIEFS AND APPROPRIATE PLUGS FOR THE FOLLOWING EQUIPMENT: TWO CORDS FOR EACH GRILL (4 TOTAL) ONE FOR EACH FRYER (5 TOTAL) AND ONE FOR OVEN.COORDINATE ALL REQUIRMENTS WITH KITCHEN EQUIPMENT PROVIDER.

	KEYNOTES
120	ONLY SEALTIGHT SHALL BE PERMITED IN WALK-IN COOLER/FREEZER. SEAL PER NEC 300.7(A).
203	PROVIDE CEILING MOUNTED JUNCTION BOX FOR SECURITY. PROVIDE 3/4" CONDUIT WITH NYLON PULL STRING FROM ELECTRICAL PANEL AREA TO JUNCTION BOX.
207	PROVIDE JUNCTION BOX FOR POWER CONNECTION TO DRIVE-THRU WINDOW. ROUTE POWER UNDERGROUND TO AVOID STEEL FRAMING. COORDINATE WITH KITCHEN EQUIPMENT DRAWINGS FOR EXACT LOCATION AND CONNECTION REQUIREMENTS.
209	KITCHEN HOODS SHALL BE ACTIVATED BY HEAT SENSORS. ALL LINE VOLTAGE EQUIPMENT, LIGHTING, AND RECEPTACLES BELOW HOOD SHALL BE DEACTIVATED UPON ANSUL ACTIVATION VIA CONTACTORS PROVIDED BY CONTRACTOR. REFER TO DETAIL A5/E5.2. HOOD SENSOR FURNISHED BY OWNER
211	INSTALL RACO #294 4" OCTAGON BOX MOUNTED FLUSH IN WALL 48" ABOVE FINISHED FLOOR WITH 1/2" CONDUIT ROUTED TO ABOVE CEILING WITH PULLWIRE FOR ANSUL PULLSTATION.
212	STUB UP 3/4" PVC 88" ABOVE FINISHED FLOOR FOR DRIVE-THRU COMMUNICATION DATA TO DRIVE THRU HEADSET SYSTEM. RE: A1:E1.1.
214	REFER TO KITCHEN EQUIPMENT SUPPLIER FOR TIME CLOCK AND LOCAL DISCONNECTING MEANS IN FREEZER/COOLER.
215	PRE-WIRED KITCHEN ELECTRICAL PANELS FURNISHED BY EQUIPMENT SUPPLIER. ACTUAL LOCATION DETERMINED BY EQUIPMENT SUPPLIER AND SHOWN FOR REFRENCE ONLY. REFER TO KITCHEN EQUIPMENT SUPPLIER FOR ALL INSTALLATION/CONNECTION REQUIREMENTS.
218	PROVIDE POWER FOR FREEZER DOOR HEAT TRACE. REFER TO MANUFACTURER FOR REQUIREMENTS.
225	PROVIDE POWER TO MONITOR AND COOKLINE POWER CHASE RE: DETAIL A3/E5.2
226	ALL CASH REGISTERS SHALL HAVE SEPARATE ISOLATED GROUND WIRES TO THE PANELBOARD. ELECTRICAL CONTRACTOR SHALL PROVIDE HUBBELL #4700 DRIG RECEPTACLES. COVER PLATE SHALL BE TYPE '302'. STAINLESS STEEL.
227	PROVIDE (1) 4X4 PULL BOX @ 24" A.F.F., WITH (1) 2" PVC CONDUIT FOR CONNECTION TO POINT OF SALE LOCATIONS.
228	SILICONE SEAL ALL CONDUIT PENETRATIONS ABOVE AND BELOW, INSIDE AND OUT AT WALK-INS TO CONTROL CONDENSATION (TYPICAL).
229	CONDUIT UNDERGROUND FROM MAIN DISTRIBUTION PANEL (MDP) TO MAIN COOK LINE FOR POWER TO KITCHEN PANELS (TYPICAL OF 4). REFER TO A2/E5.1 FOR FEEDER SIZES.
230	PROVIDE 3/4" CONDUIT FOR POWER TO ANSUL FIRE SUPPRESSION SYSTEM, REFER TO K PANELS (TYPICAL OF 2).
231	J-BOX FOR POWER CONNECTION TO HOOD TIMER. REFER TO KITCHEN EQUIPMENT VENDOR FOR INSTALLATION REQUIREMENTS.
234	FRYER AUTOMAN ANSUL CONTACTOR ENCLOSURE MOUNTED HIGH ON WALL BELOW CEILING.
235	ANSUL AUTOMAN MOUNTED ON WALL BELOW CEILING AS HIGH AS POSSIBLE.
243	CONNECT FRYER TO ANSUL FIRE SUPPRESSION SYSTEM. RE: MECH DWG
252	PROVIDE WP WALL MOUNTED JUNCTION +8" A.F.F. BOX FOR SECURITY.



PLAN NORTH

A1 ENLARGED FLOOR PLAN - KITCHEN
1/4" = 1'-0"

0' 2' 4' 8' 16'
SCALE: 1/4"=1'-0"

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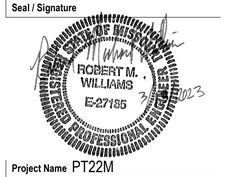
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ELECTRICAL ENLARGED PLANS

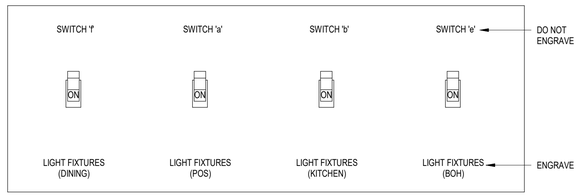
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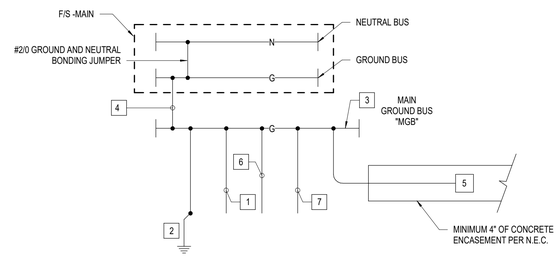
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A1 SWITCH BANK DIAGRAM
N.T.S

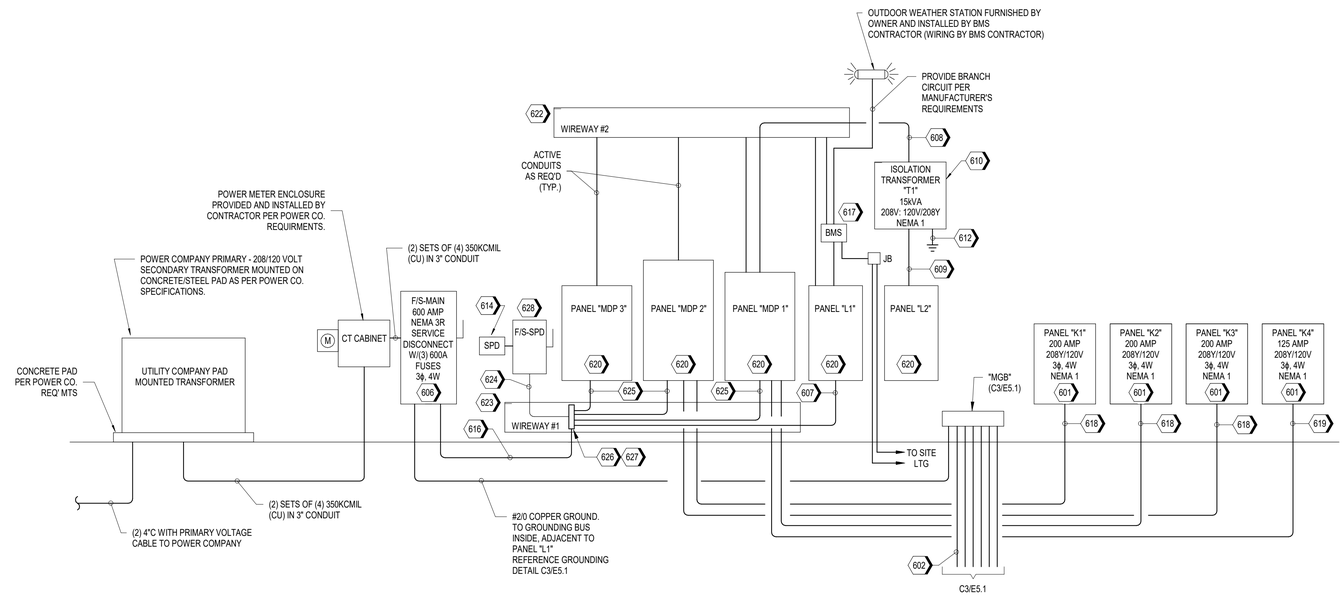
SERVICE GROUNDING NOTES:	
1	PROVIDE 1- #3/0 GROUNDING ELECTRODE CONDUCTOR IN 1" CONDUIT, CONNECTED TO BUILDING STRUCTURAL STEEL.
2	PROVIDE 1- #6 GROUNDING ELECTRODE CONDUCTOR IN 3/4" CONDUIT, CONNECTED TO A 3/4" DIAMETER X 10'-0" LONG COPPER CLAD STEEL GROUND ROD
3	4" X 1/4" X 24" COPPER GROUND BUS WITH ISOLATING STANDOFFS MOUNTED ADJACENT TO PANEL "L1". COORDINATE EXACT LOCATION WITH G.C./OWNER.
4	PROVIDE 1- #3/0 GROUNDING ELECTRODE CONDUCTOR IN 1" CONDUIT
5	PROVIDE 1- #4 CONCRETE ENCASED GROUNDING ELECTRODE WITH A MINIMUM LENGTH OF 20'-0".
6	1- #3/0 GROUNDING ELECTRODE CONDUCTOR IN 1" CONDUIT TO COLD WATER LINE SERVING BUILDING. MAKE CONNECTION WITHIN 5' OF WATERLINE ENTERING BUILDING.
7	1- #6 EQUIPMENT GROUND CONDUCTOR IN 3/4" CONDUIT TO TELEPHONE TERMINAL BACKBOARD. REFER TO FLOOR PLAN FOR LOCATION.



C3 SERVICE ENTRANCE GROUNDING DETAIL
N.T.S.

GENERAL NOTES	
A.	ALL WIRING SHALL BE COPPER WITH 'THWN' INSULATION RATED AT 75° C UNLESS OTHERWISE NOTED.
B.	PROVIDE 3/4" CONDUIT BELOW ROOF FOR CONTROL WIRING TO RTU. ROUTE INSIDE CURB ROOF WITHIN UNIT CURB.
C.	ALUMINUM SERVICE LATERAL FEEDERS SHALL BE PROVIDED WITH COMPRESSION CONNECTIONS UPON APPROVAL WITH AHJ.
D.	PROVIDE ALL REQUIRED ELECTRICAL PANEL LABELING/MARKINGS AS REQUIRED BY THE 2014 NEC, SEC. 110.21-110.24. THE MARKING SHALL ADEQUATELY WARN OF THE HAZARD USING EFFECTIVE WORDS AND/OR COLORS AND/OR SYMBOLS. THE LABEL SHALL BE PERMANENTLY AFFIXED TO THE EQUIPMENT OR WIRING METHOD AND SHALL NOT BE HAND WRITTEN. THE LABEL SHALL BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED. THE LABEL SHALL ALSO BE SIZED ACCORDINGLY SO THE TEXT IS LEGIBLE WITH SUITABLE FONT SIZES ACCORDING TO ANSI Z535. 4-2011.
E.	ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH THE NEC AS WELL AS ALL APPLICABLE FEDERAL STATE,AND LOCAL REQUIREMENTS.WHERE CONFLICTS ARISE,THE MOST STRINGENT REQUIREMENT SHALL TAKE PRECEDENCE.

	KEYNOTES
601	FURNISED BY KITCHEN EQUIPMENT SUPPLIER. CIRCUITS ARE PREWIRED TO EQUIPMENT, FEEDERS BY CONTRACTOR.
602	GROUNDING SHALL BE PER NEC. FURNISH AND INSTALL 3/4"X10'-0" GROUND ROD AT A CONCRETE ENCASED ELECTRODE. CONNECT THE BUILDING SERVICE GROUND TO THE GROUND ROD, ENCASED ELECTRODE AND DOMESTIC COLD WATER PIPING WITH BARE #2/0 COPPER CONDUCTOR. BONDING SHALL BE PER NEC. REFER TO C3/E5.1.
606	FUSES SHALL BE CLASS RK5, CURRENT-LIMITING, TIME-DELAY TYPE (BUSSMANN TYPE FRN-R OR EQUIVALENT).
607	4#4/0, #4 GND, IN 2-1/2"C.
608	3#6, #10 GND, IN 1"C.
609	4#3, #8 GND, IN 1-1/2"C.
610	PROVIDE ISOLATION TRANSFORMER. SUSPEND TRANSFORMER FROM STRUCTURE. REFER TO DETAIL B1/E5.2.
612	#8 GROUNDING ELECTRODE CONDUCTOR,GROUND TO BUILDING STEEL.
614	PROVIDE 240 kA SURGE PROTECTIVE DEVICE.
616	(2 SETS) 4-350 kCMIL, #1 GND, IN EACH 3"C.
617	BMS-LIGHTING CONTROL PANEL TO BE FURNISHED BY OWNER AND INSTALLED BY BMS CONTRACTOR. ALL EXTERIOR LIGHTING AND SIGNAGE SHALL BE WIRED VIA BMS-LIGHTING CONTROL PANEL. FIELD COORDINATE EXACT REQUIREMENTS WITH WHATABURGER CM.
618	4#3/0, #6 GND, IN 2"C.
619	4#1, #6 GND, IN 1-1/2"C.
620	PROVIDE SIEMENS PANELBOARDS OR APPROVED ALTERNATE FOR INDICATED PANELS.
622	PROVIDE 12"X12"X96"L WALL-MTD WIREWAY #2 ABOVE PANELBOARDS AT ELEVATION ABOVE THE SUSPENDED CEILING OF THE OPPOSITE ROOM.
623	PROVIDE 12"X12"X96"L WALL-MTD WIREWAY #1 LOCATED BELOW PANELS AT 4"AFF.
624	4#4, #4 GND, IN 1-1/4"C.
625	4-500KCMIL, #3 GND, IN 3"C.
626	FACTORY-INSULATED CONNECTORS WITH IN-OUT FEATURE (FOUR NSI TYPE IPLD 500-8 FOR PHASE AND NEUTRAL CONNECTIONS AND ONE NSI TYPE IPLD 3/0-8 FOR GROUND CONNECTIONS).
627	FACTORY-INSULATED CONNECTORS SHALL BE LOCATED AS CLOSE AS PRACTICABLE TO F/S-SPD (BUT NOT MORE THAN TEN FEET) TO FACILITATE ITS OPERATION AND COMPLY WITH THE NEC 10-FOOT TAP RULE.
628	F/S-SPD = 208Y/120V, 3P, 60A WITH THREE 60A (RK5) FUSES, 3P, SN, N1, HD.



A2 ONE-LINE DIAGRAM
N.T.S.

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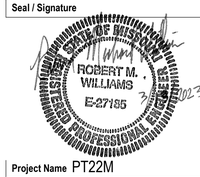
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Project Number

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Description

ELECTRICAL DIAGRAMS

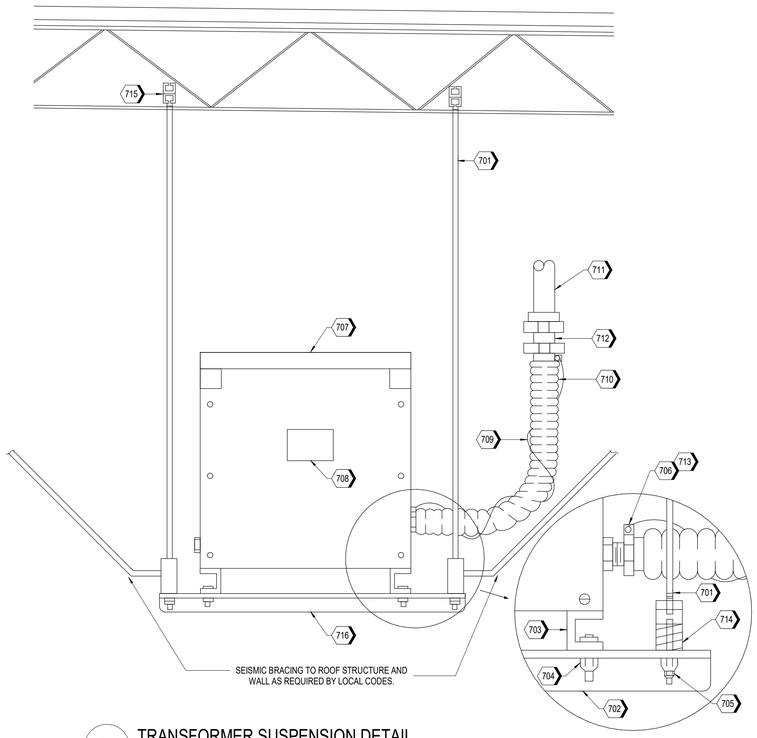
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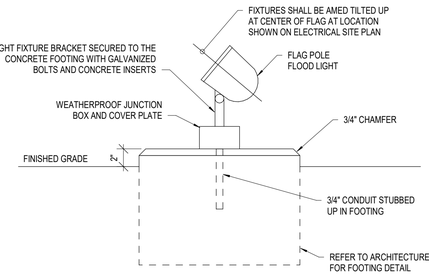
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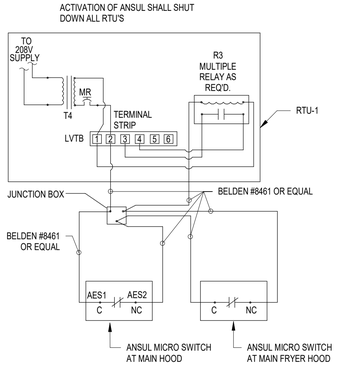
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B1 TRANSFORMER SUSPENSION DETAIL
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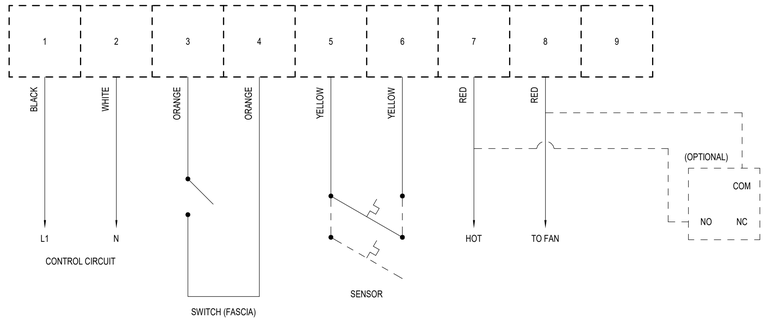
A4 FLAG POLE FLOOD LIGHT
N.T.S.



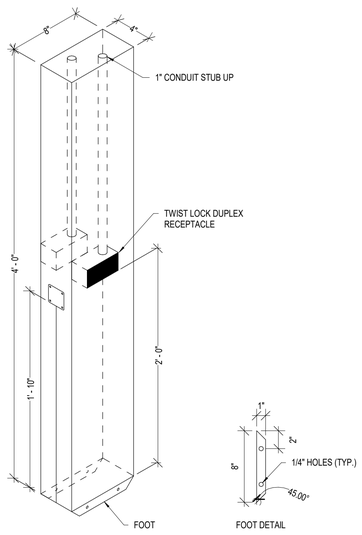
A6 ANSUL SHUTDOWN AT RTU WIRING DIAGRAM
N.T.S.

GENERAL NOTES	
A.	ALL WIRING SHALL BE COPPER WITH 'THWN' INSULATION RATED AT 75° C UNLESS OTHERWISE NOTED.
B.	PROVIDE 3/4" CONDUIT BELOW ROOF FOR CONTROL WIRING TO RTU. ROUTE THROUGH ROOF WITHIN UNIT CURB.
C.	ALUMINUM SERVICE LATERAL FEEDERS SHALL BE PROVIDED WITH COMPRESSION CONNECTIONS UPON APPROVAL WITH AHJ.
D.	PROVIDE ALL REQUIRED ELECTRICAL PANEL LABELING/MARKINGS AS REQUIRED BY THE 2014 NEC, SEC. 110.21-110.24. THE MARKING SHALL ADEQUATELY WARN OF THE HAZARD USING EFFECTIVE WORDS AND/OR COLORS AND/OR SYMBOLS. THE LABEL SHALL BE PERMANENTLY AFFIXED TO THE EQUIPMENT OR WIRING METHOD AND SHALL NOT BE HAND WRITTEN. THE LABEL SHALL BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED. THE LABEL SHALL ALSO BE SIZED ACCORDINGLY SO THE TEXT IS LEGIBLE WITH SUITABLE FONT SIZES ACCORDING TO ANSI Z535. 4-2011.
E.	ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH THE NEC AS WELL AS ALL APPLICABLE FEDERAL STATE,AND LOCAL REQUIREMENTS.WHERE CONFLICTS ARISE,THE MOST STRINGENT REQUIREMENT SHALL TAKE PRECEDENCE.

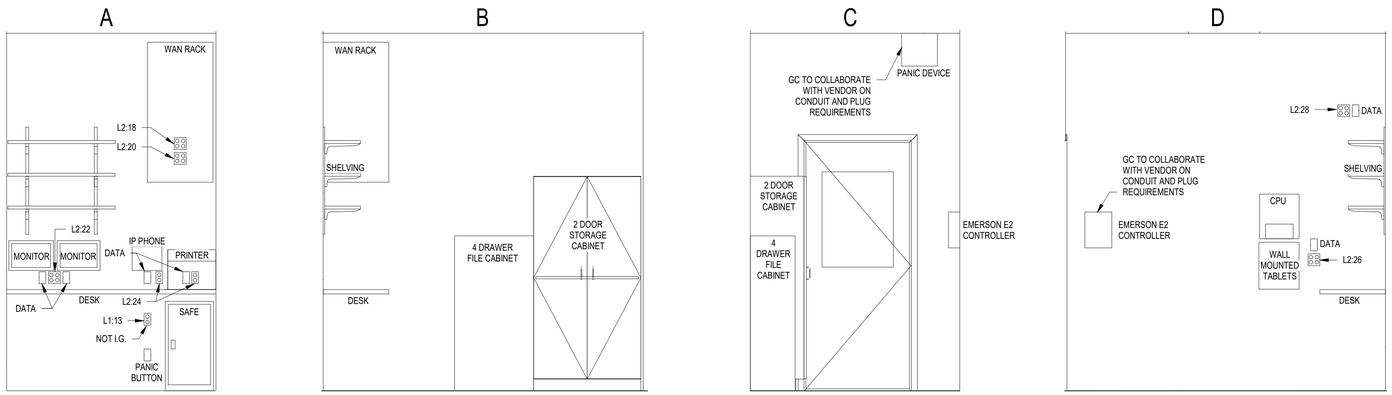
	KEYNOTES
701	1/2" DIAMETER THREADED STEEL ROD SUPPORT FROM STRUCTURE ABOVE. SEE STRUCTURAL DRAWINGS.
702	ANGLE IRON SUPPORT 3" x 3" TO REQ'D. LENGTH TO SUIT.
703	TRANSFORMER BASE CHANNEL.
704	1/2" DIAMETER NUT, BOLT & WAHSER 4 REQUIRED.
705	1/2" DIAMETER NUT, LOCKNUT & LOCKWASHER 4 REQUIRED.
706	SECONDARY CONNECTION DETAIL, PRIMARY - SIMILAR.
707	TRANSFORMER.
708	NAMEPLATE-CONNECTION DIAGRAM.
709	EXTERNAL COPPER BONDING WIRE.
710	LIQUID TIGHT FLEXIBLE METAL CONDUIT 18" MIN.
711	RIGID CONDUIT.
712	COMBINATION COUPLING.
713	GROUND CONNECTOR.
714	VIBRATION ELIMINATOR 4 REQUIRED.
715	PROVIDE MISCELLANEOUS STEEL SPAN TO THE NEXT JOIST AS REQUIRED TO CONNECT TO STRUCTURE. SUBMIT DETAIL FOR STRUCTURAL ENGINEER APPROVAL.
716	BOTTOM OF SUPPORT OR ANY DEVICE SHALL NOT BE LESS THAN 7'-0" ABOVE FINISHED FLOOR.



A5 HOOD SENSOR INTERLOCK
N.T.S.



A3 MONITOR CHASE DETAIL
N.T.S



A1 MANAGERS OFFICE POWER PLAN
N.T.S.

OFFICE GENERAL NOTES
1. ALL OUTLETS SHALL BE ISOLATED GROUND (I.G.),UNLESS NOTED OTHERWISE.
2. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION.

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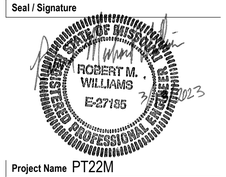
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Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

ELECTRICAL DETAILS

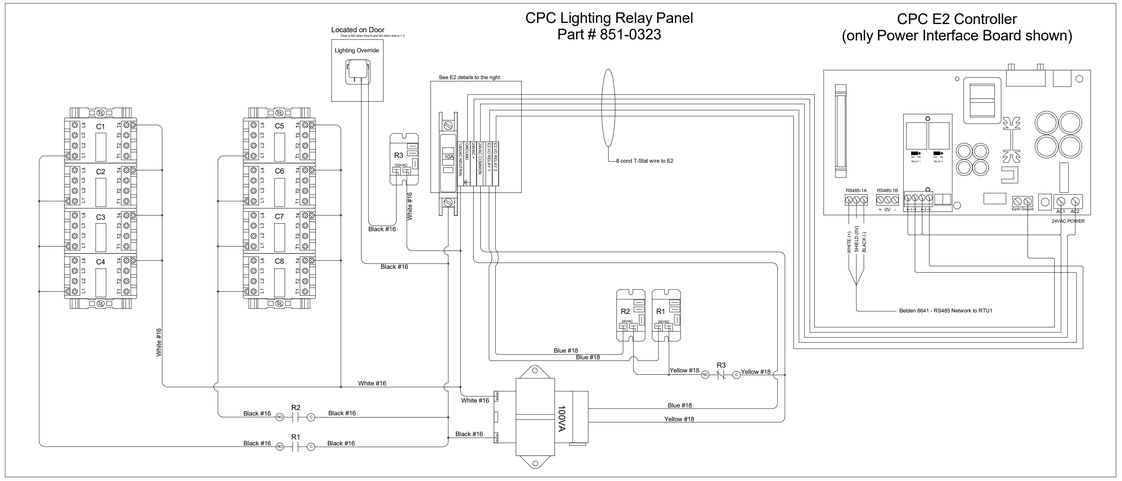
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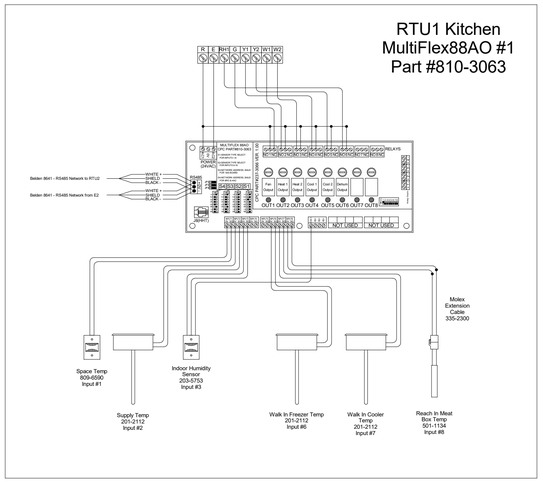
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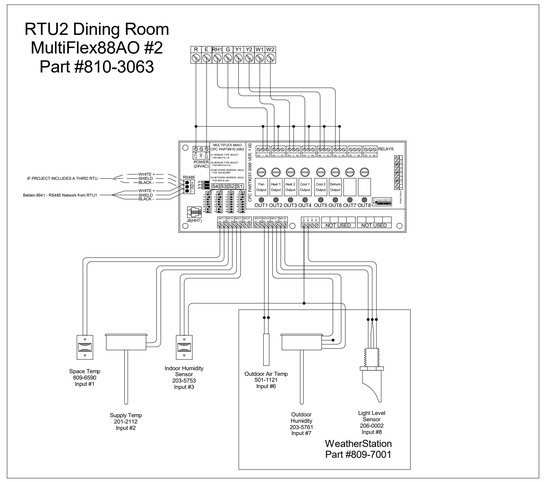
E5.2

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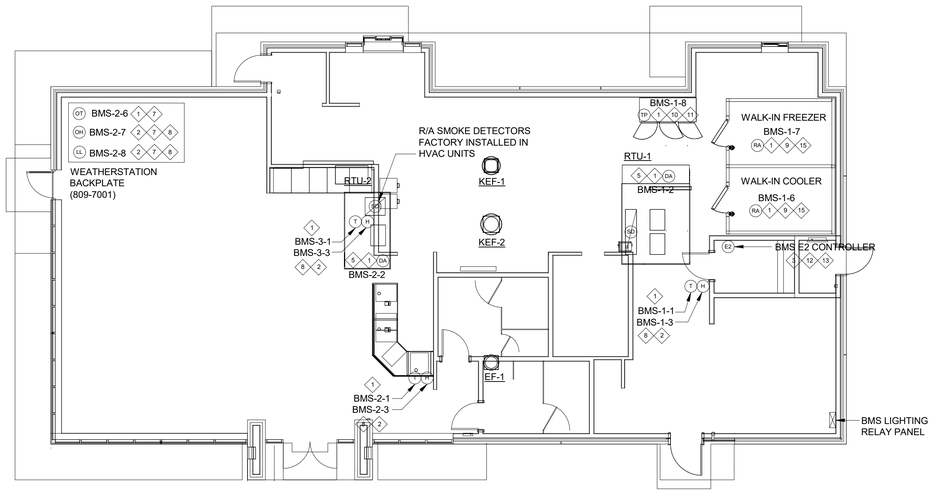
A1 CONTROL SYSTEM DIAGRAM
N.T.S.

LEGEND	
S	WALL MOUNTED SPACE TEMP SENSOR (809-6590)
DA	DISCHARGE AIR TEMP SENSOR - 12" INSERTION PROBE W/ HANDY BOX (201-2112)
RA	RETURN AIR TEMP SENSOR- 12" INSERTION PROBE W/ HANDY BOX (201-2112)
RH	RETURN AIR HUMIDITY TRANSDUCER (203-5771)
TP	"BULLET" TYPE TEMP SENSOR W/ 10' GREEN LEADS AND "QUICK CONNECT" MOLEX PLUG (501-1134)
LL	OUTDOOR LIGHT LEVEL TRANSDUCER (206-0002) (INSTALLED ON WEATHER STATION BACK-PLATE)
OH	OUTDOOR AIR HUMIDITY TRANSDUCER (203-5761) (INSTALLED ON WEATHER STATION BACK-PLATE)
OT	"BULLET" TYPE OUTDOOR AIR TEMP SENSOR (501-1121) (INSTALLED ON WEATHER STATION BACK-PLATE)
E2	E2 CONTROLLER. MOUNTED FLUSH IN THE MANAGER'S OFFICE AT 5' AFF TO CENTER.
T H	INDOOR TEMPERATURE AND HUMDITY SENSOR. REFER TO MECH PLANS FOR EXACT LOCATION.
TP BMS-x-y	"BMS-x-y" DENOTES THE I/O POINT DESCRIPTION FOR THE SENSOR, WHERE "X" IS THE CONTROLLER ADDRESS AND "Y" IS THE POINT NUMBER.

BMS KEYED NOTES

1	USE BELDEN 8641 OR EQUIVALENT (24GA - 2COND - SHIELDED).
2	USE BELDEN 8771 OR EQUIVALENT (22GA - 3COND - SHIELDED).
3	USE BELDEN CABLE OR EQUIVALENT (18GA - 8COND).
4	NOT USED.
5	MOUNT IN SUPPLY AIR RISER NO MORE THAN 6 FEET FROM HVAC UNIT.
6	NOT USED.
7	MOUNT "WEATHER STATION" BACK-PLATE TO A SECTION OF 1-1/4" EMT APPROXIMATELY 6 FEET ABOVE ROOF TO CLEAR PARAPET. "WEATHER STATION" BACK-PLATE MUST FACE TRUE NORTH.
8	ENSURE PROPER POLARITY ON HUMIDITY AND LIGHT LEVEL SENSORS.
9	DRILL 1/4" HOLE THROUGH CEILING OF WALK IN DIRECTLY HALFWAY BETWEEN THE EVAPORATOR AND THE WALL AND CENTERED ON THE EVAPORATOR. PUSH SENSOR TIP DOWN THROUGH HOLE FROM ABOVE AND SECURE SENSOR USING 2 SELF TAPPING SHEET METAL SCREWS.
10	CUT THE 335-2300 TEMP SENSOR EXTENSION CABLE IN HALF AND ATTACH THE FEMALE END TO THE BELDEN 8641. FEED THE CABLE THROUGH A 1/2" STRAIN RELIEF CONNECTOR SIMILAR TO THE TYPE USED FOR "SO" AND "SJ" CORD TO PREVENT DAMAGE TO THE CABLE.
11	INSTALL THE 501-1134 10' GREEN TEMP SENSOR ON THE DISCHARGE SIDE OF THE EVAPORATOR IN THE 3 DOOR SELF CONTAINED COOLER, ADJACENT TO THE TEMP PROBE FOR THE UNIT'S ELECTRONIC THERMOSTAT.
12	SURFACE MOUNT E2 CONTROLLER IN THE MANAGER'S OFFICE.
13	INSTALL THE "ONBOARD I/O" CARD (603-0500) IN THE E2 PER THE ENCLOSED INSTRUCTIONS.
14	NOT USED.
15	RETURN AIR SENSOR SHALL BE LOCATED BEHIND THE EVAPORATOR IN THE PATH OF THE RETURN AIR FLOW.

ALL CONTROL SYSTEM COMPONENTS INCLUDING SENSORS, CONTROLLERS AND SOFTWARE ARE FURNISHED BY WHATABURGER. CONTRACTOR (OR DESIGNATED SUB) SHALL PROVIDE ALL CONDUIT AND POWER/CONTROL WIRING REQUIRED FOR A COMPLETELY FUNCTIONAL SYSTEM AS DESCRIBED BY E5.1 AND RELATED NOTES & SCHEDULES. HVAC UNITS ARE PROVIDED WITH AUDIO-VISUAL ALARMS AS DESCRIBED IN MECHANICAL PLANS.



A2 CONTROL SYSTEM FLOOR PLAN
N.T.S.

WHATABURGER

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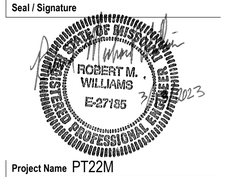
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Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

CONTROL SYSTEMS PLAN

Scale

1/8" = 1'-0"

E5.3

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LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	MODEL	DESCRIPTION	LAMP	VOLTAGE	LUMENS	WATTS	MOUNTING	COMMENTS
A	LITHONIA	2GTL 2 20L GZ10 LP840	2'X2' RECESSED TROFFER (4000K COLOR TEMPERATURE, 80 CRI)	LED	120 V	2366	18	CEILING	
A2	LITHONIA	2GTL 2 48L GZ10 LP840 ABC	GASKETED 2'X2' RECESSED TROFFER (4000K COLOR TEMPERATURE, 80 CRI)	LED	120 V	5112	42	CEILING	
A2E	LITHONIA	2GTL 2 48L GZ10 LP840 E10WLCP ABC	GASKETED 2'X2' RECESSED TROFFER WITH 90 MINUTE BATTERY PACK (4000K COLOR TEMPERATURE, 80 CRI)	LED	120 V	5112	42	CEILING	
AE	LITHONIA	2GTL 2 20L GZ10 LP840 E10WLCP	2'X2' RECESSED TROFFER WITH 90 MINUTE BATTERY PACK (4000K COLOR TEMPERATURE, 80 CRI)	LED	120 V	2366	18	CEILING	
B	LITHONIA	LDN4SQ 40/10 LS4AR LSS MVOLT GZ10	4" RECESSED SQUARE LED DOWNLIGHT CLEAR, SEMI-SPECULAR REFLECTOR (4000K COLOR TEMPERATURE, 80 CRI)	LED	120 V	877	11	CEILING	
B1	LITHONIA	LDN4SQ 40/15 LS4AR LSS MVOLT GZ10	4" RECESSED SQUARE LED DOWNLIGHT CLEAR, SEMI-SPECULAR REFLECTOR (4000K COLOR TEMPERATURE, 80 CRI)	LED	120 V	1268	18	CEILING	
B1E	LITHONIA	LDN4SQ 40/15 LS4AR LSS MVOLT GZ10 E10WCP	4" RECESSED SQUARE LED DOWNLIGHT CLEAR, SEMI-SPECULAR REFLECTOR WITH 90 MINUTE BATTERY PACK (4000K COLOR TEMPERATURE, 80 CRI)	LED	120 V	1268	18	CEILING	
BE	LITHONIA	LDN4SQ 40/10 LS4AR LSS MVOLT GZ10 E10WCP	4" RECESSED SQUARE LED DOWNLIGHT CLEAR, SEMI-SPECULAR REFLECTOR WITH 90 MINUTE BATTERY PACK (4000K COLOR TEMPERATURE, 80 CRI)	LED	120 V	877	11	CEILING	
D	MARK	SL4L LOP 4FT FLP TG 80CRI 40K 600LMF MIN1 120 ZT	4' LINEAR RECESSED SLOT (4000K COLOR TEMPERATURE, 80 CRI)	LED	120 V	2227	24	CEILING	
D1	AXIS	CCH-SL-1100-90-40-CP-W-UNV-DP-1-C	LINEAR SURFACE MOUNTED COVE LIGHT, LENGTH AS INDICATED ON DRAWINGS (4000K COLOR TEMPERATURE, 80 CRI)	LED	120 V	1100/FT	14	CEILING	13.5 WATTS PER LINEAR FOOT
D2	MARK	SL4L LOP 9FT FLP FL 80CRI 40K 600LMF MIN1 120 ZT	LINEAR RECESSED SLOT, LENGTH AS INDICATED ON DRAWINGS (4000K COLOR TEMPERATURE, 80 CRI)	LED	120 V	600/FT	54	CEILING	6 WATTS PER LINEAR FOOT
D3	MARK	SL4L LOP 11FT FLP FL 80CRI 40K 600LMF MIN1 120 ZT	LINEAR RECESSED SLOT, LENGTH AS INDICATED ON DRAWINGS (4000K COLOR TEMPERATURE, 80 CRI)	LED	120 V	600/FT	66	CEILING	6 WATTS PER LINEAR FOOT
F	N/A	FURNISHED AND INSTALLED BY CANOPY MANFACTURER	FLEXIBLE LINEAR LIGHT STRIP FOR CONTINUOUS CONSTANT COLOR (3500K COLOR TEMPERATURE)	LED	120 V			SURFACE	4 WATTS PER LINEAR FOOT
G	LITHONIA	CSS-L48--4000LM-MVOLT-40K-80CRI-LED-120V-4000-35.3-SURFACE-DAMP LOCATION	LED STRIP FIXTURE	LED	120 V	40000	36	SURFACE	
J	KASON	KASON 481-C (FIXTURE PROVIDED BY WALK-IN SUPPLIER)	VAPOR TIGHT LED FIXURE	LED	120 V	1200	36	SURFACE	
S1-3	TECHLITE	CTL-N-35L-T3- -35,000 LUMEN TYPE 3 LED	POLE MOUNTED SITE LIGHTING (4100K COLOR TEMPERATURE)	LED	208 V	35000	294	POLE	FIXTURE MOUNTED AT 27'-6"
S3	LITHONIA	DSXW1 10C 530 40K T3M MVOLT DDBXD	FAÇADE EXTERIOR WALL PACK. (4000K COLOR TEMPERATURE)	LED	120 V	2010	19	WALL	WALL MOUNTED 12'-0" ABOVE GRADE
S4	LITHONIA	TWX1 LED P2 40K MVOLT DDBXD	ROOFTOP MAINTENANCE LIGHT LOCATED BEHIND RTU SCREEN WALL(4000K COLOR TEMPERATURE)	LED	120 V	2950	22	WALL	TOP OF FIXTURE, WALL MOUNTED 1'-0" BELOW SCREEN WALL
S5	LITHONIA	OLBF 8 30K DDB	LED FLAG POLE BULLET FLOOD LIGHT (3000K COLOR TEMPERATURE)	LED	120 V	592	11	FLOOD	
X	LITHONIA	LRP 1 RC 120/277 EL N	EXIT SIGN	LED	120 V	5	2	CEILING	

LIGHTING SCHEDULE NOTE

ELECTRICAL CONTRACTOR BIDDERS MUST CONTACT CORPORATE ACCOUNTS @ ALA FOR ALL LIGHTING AND LIGHTING CONTROLS BIDS AT 214-658-9000, CORPORATEACCOUNTS@ALATX.COM WHATABURGER IS A REGISTERED NATIONAL ACCOUNT (NA) VIA ARCHITECTURAL LIGHTING ALLIANCE (ALA) AND HORTON CONTROLS GROUP (HCG).

MECHANICAL EQUIPMENT CONNECTION SCHEDULE

TAG	DISCONNECT RATING (AMP/VOLTAGE/POLE/FUSE/NEMA)	HP	kW	FLA	STARTER TYPE	VOLTAGE/POLES	LOAD	CIRCUIT NUMBER	WIRE & CONDUIT	COMMENTS
GWH-1	MOTOR RATED SWITCH	-	-		-	120 V/1	200 VA	MDP2-15	2#12, 1-#12 GND IN 1/2"C	REFER TO EQUIPMENT MANUFACTURER FOR ALL INSTALLATION/CONNECTION REQUIREMENTS.
CP-1	MOTOR RATED SWITCH	3/4	-	-	-	120 V/1	1,656 VA	L1-21	2#10, 1-#10 GND IN 3/4"C	REFER TO EQUIPMENT MANUFACTURER FOR ALL INSTALLATION/CONNECTION REQUIREMENTS.
COOLER CU (28)	30A/2P/NF/NEMA 3R	1	-	15	-	208 V/2	3,120 VA	MDP3-36,38	2#12, 1-#12 GND IN 3/4"C	REFER TO EQUIPMENT MANUFACTURER FOR ALL INSTALLATION/CONNECTION REQUIREMENTS.
COOLER UC (28)	30A/1P/NF/NEMA 3R	-	-	1.6	-	120 V/1	192 VA	L1-46	2#12, 1-#12 GND IN 3/4"C	REFER TO EQUIPMENT MANUFACTURER FOR ALL INSTALLATION/CONNECTION REQUIREMENTS.
EF-1	-	1/8	-	-	-	120 V/1	400 VA	L1-4	2#12, 1-#12 GND IN 3/4"C	INTEGRAL DISCONNECT PROVIDED BY EQUIPMENT MANUFACTURER
FREEZER CU (28)	60A/2P/NF/NEMA 3R	3	-	25	-	208 V/2	5,200 VA	MDP3-32,34	2#8, 1-#10 GND IN 3/4"C	REFER TO EQUIPMENT MANUFACTURER FOR ALL INSTALLATION/CONNECTION REQUIREMENTS.
FREEZER UC (28)	30A/2P/NF/NEMA 3R	-	-	9.8	-	208 V/2	2,038 VA	L1-53,55	2#12, 1-#12 GND IN 3/4"C	REFER TO EQUIPMENT MANUFACTURER FOR ALL INSTALLATION/CONNECTION REQUIREMENTS.
KEF-1	-	-	-	11.6	-	208 V/2	2,413 VA	MDP3-37,39	2#12, 1-#12 GND IN 3/4"C	INTEGRAL DISCONNECT PROVIDED BY EQUIPMENT MANUFACTURER
KEF-2	-	-	-	6.5	-	208 V/2	1,352 VA	MDP3-41,43	2#12, 1-#12 GND IN 3/4"C	INTEGRAL DISCONNECT PROVIDED BY EQUIPMENT MANUFACTURER
RTU-1	-	-	-	99	-	208 V/3	35,666 VA	MDP3-1,3,3	3#1, 1-#6 GND IN 1.5"C	INTEGRAL DISCONNECT PROVIDED BY EQUIPMENT MANUFACTURER
RTU-2	-	-	-	68	-	208 V/3	29,902 VA	MDP3-7,9,11	3#4, 1-#8 GND IN 1"C	INTEGRAL DISCONNECT PROVIDED BY EQUIPMENT MANUFACTURER

KITCHEN EQUIPMENT CONNECTION SCHEDULE

TAG	DESCRIPTION	DISC. MEAN / MOUNTING HEIGHT	HP	kW	FLA	VOLTAGE/POLES	LOAD	CIRCUIT NUMBER	WIRE & CONDUIT	COMMENTS
5a	DUAL SIDED DRINK DISPENSER	5-20R / -	-	-	-	120 V/1	960 VA	MDP1-17	2#12, #12 GND IN 3/4"C	UNDER COUNTER
13	DRIVE THRU DRINK DISPENSER	5-20R / 24"	-	-	-	120 V/1	624 VA	L1-17	2#12, #12 GND IN 3/4"C	
14	ICE MANAGER	5-20R / 96	-	-	5	120 V/1	600 VA	L1-41	2#12, #12 GND IN 3/4"C	
14a	ICE MAKER EVAPORATOR UNIT	5-20R / 66"	-	-	6	120 V/1	720 VA	MDP2-41	2#12, #12 GND IN 3/4"C	
14b	ICE MAKER EVAPORATOR UNIT	5-20R / 66"	-	-	6	120 V/1	720 VA	MDP1-15	2#12, #12 GND IN 3/4"C	
14c	ICE MAKER CONDENSING UNIT	30A/3P/NF/NEMA 3R / -	-	-	14	208 V/3	5044 VA	MDP3-8,10,12	3#10, #10 GND IN 3/4"C	30A/3P/NF/NEMA 3R
14d	ICE MAKER CONDENSING UNIT	30A/3P/NF/NEMA 3R / -	-	-	14	208 V/3	5044 VA	MDP3-14,16,18	3#10, #10 GND IN 3/4"C	30A/3P/NF/NEMA 3R
17a	MULTIPLEX REFRIGERATION UNIT	30A/3P/NF/NEMA 1 / 72"	-	-	25.2	208 V/3	9079 VA	L1-37,39,41	3#10, #10 GND IN 3/4"C	
17b	MULTIPLEX CONDENSER UNIT	30A/2P/NF/NEMA 3R / -	-	-	1.3	208 V/2	270 VA	MDP3-21,23	2#12, #12 GND IN 3/4"C	30A/2P/NF/NEMA 3R
17c	BEVERAGE PUMP	5-20R / 60"	-	-	-	120 V/1	720 VA	MDP2-29	2#12, #12 GND IN 3/4"C	+60"
21	REACH IN FREEZER	5-20R / 76"	1/2	-	11.3	120 V/1	1040 VA	L1-26	2#12, #12 GND IN 3/4"C	
22a	REACH IN REFRIGERATOR	5-20R / 76"	1/3	-	8.5	120 V/1	644 VA	MDP2-16	2#12, #12 GND IN 3/4"C	
22b	REACH IN REFRIGERATOR	5-20R / 76"	1/3	-	8.5	120 V/1	644 VA	MDP2-6	2#12, #12 GND IN 3/4"C	
22c	REACH IN REFRIGERATOR	5-20R / 76"	1/3	-	8.5	120 V/1	644 VA	MDP2-12	2#12, #12 GND IN 3/4"C	
22d	REACH IN REFRIGERATOR	5-20R / 76"	1/3	-	8.5	120 V/1	644 VA	MDP2-14	2#12, #12 GND IN 3/4"C	
24	SUPER COOLER	L14-20R / 76"	1	-	11	208 V/2	1830 VA	L1-38,40	2#12, #12 GND IN 3/4"C	
26a	UNDER COUNTER REFRIGERATOR	- / -	1/6	-	4	120 V/1	480 VA	K2-25	-	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
26b	UNDER COUNTER REFRIGERATOR	- / -	1/6	-	4	120 V/1	480 VA	K2-19	-	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
29	UNDER COUNTER REFRIGERATOR	5-20R /	1/6	-	4	120 V/1	480 VA	MDP2-20	2#12, #12 GND IN 3/4"C	
35	PITCO FRYER	6-50R / -	-	-	39.7	208 V/2	8258 VA	K1-1,3	-	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
35	PITCO FRYER	6-50R / -	-	-	39.7	208 V/2	8258 VA	K1-4,6	-	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
35	PITCO FRYER	15-60R / -	-	-	54.6	208 V/3	19670 VA	K4-1,3,5	-	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
35	PITCO FRYER	15-60R / -	-	-	47.2	208 V/3	17004 VA	K4-2,4,6	-	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
35	FOOD WARMER	- / -	-	-	12	120 V/1	1440 VA	K1-7	-	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
35	FOOD WARMER	- / -	-	-	8.5	120 V/1	1032 VA	K1-11	-	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
35	FOIL HEATER	- / -	-	-	2	120 V/1	240 VA	K1-8	-	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
35	COMPACT FREEZER	5-20R / -	-	-	8	120 V/1	960 VA	K1-17	-	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
35	UNDER COUNTER REFRIGERATOR	5-20R / -	-	-	3.5	120 V/1	420 VA	K1-19	-	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
35	PITCO FRYER	15-60R / -	-	-	54.6	208 V/3	19670 VA	K1-14,16,18	-	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
37	MICROWAVE	5-20R / 24"	-	1.6	14	120 V/1	1000 VA	L1-34	2#12, #12 GND IN 3/4"C	
38	HALF-SIZED CONVECTION OVEN	DIRECT CONNECTION / -	-	7.8	22.1	208 V/3	7800 VA	L1-6,8,10	3#10, #10 GND IN 3/4"C	
46	GRAVY WARMER	5-20R / 24"	-	-	10	120 V/1	1200 VA	L1-36	2#12, #12 GND IN 3/4"C	
53	HOT FOOD WELL	5-20R / -	-	-	5	120 V/1	600 VA	K2-11	-	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
53	HEATED TOP	5-20R / -	-	-	7.2	120 V/1	864 VA	K2-1	-	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
53	HOT FOOD WELL	5-20R / -	-	-	5	120 V/1	600 VA	K2-13	-	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
53	COLD RAIL	5-20R / -	-	-	8	120 V/1	960 VA	K2-29	-	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
54a	DUKE WARMING BIN	L6-15R / -	-	1.8	8.7	208 V/2	1810 VA	K2-7,9	2#12, #12 GND IN 3/4"C	
54b	DUKE WARMING BIN	L6-15R / -	-	1.8	8.7	208 V/2	1810 VA	K2-15,17	2#12, #12 GND IN 3/4"C	
55a	BUN TOASTER	- / -	-	-	16	208 V/2	3328 VA	K2-2,4	-	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
55b	BUN TOASTER	- / -	-	-	16	208 V/2	3328 VA	K2-6,8	-	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
59a	6' GRILL	- / -	-	-	50	208 V/3	18013 VA	K2-14,16,18	-	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
59a	6' GRILL	- / -	-	-	50	208 V/3	18013 VA	K2-20,22,24	-	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
59b	6' GRILL	- / -	-	-	50	208 V/3	18013 VA	K3-1,3,5	-	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
59b	6' GRILL	- / -	-	-	50	208 V/3	18013 VA	K3-2,4,6	-	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
59c	GRILL TIMERS	- / -	-	-	-	120 V/1	180 VA	MDP2-27	2#12, #12 GND IN 3/4"C	
66	PIE CABINET	5-20R / 42"	-	-	-	120 V/1	504 VA	L1-32	2#12, #12 GND IN 3/4"C	
72	SHAKE MACHINE	6-20R / 24"	-	-	13	208 V/2	2704 VA	L1-23,25	2#12, #12 GND IN 3/4"C	
73	COFFEE BREWER	L14-30R / 24"	-	5.1	-	208 V/2	5100 VA	L1-12,14	2#10, #10 GND IN 3/4"C	
74	TEA BREWER	5-20R / 24"	-	1.65	-	120 V/1	1650 VA	L1-33	2#12, #12 GND IN 3/4"C	
98	MOBILE GREASE CADDY	5-20R / -	1/4		5.8	120 V/1	696 VA	MDP2-21	2#12, #12 GND IN 3/4"C	
99	GREASE TANK	5-20R / 66"	-	-	-	120 V/1	500 VA	MDP2-10	2#12, #12 GND IN 3/4"C	
107a	FLAT SCREEN MONITOR	HUBBELL IG4700A DRIG / -	-	-	-	120 V/1	180 VA	L2-10	2#12, #12 GND IN 3/4"C	
107a	FLAT SCREEN MONITOR	HUBBELL IG4700A DRIG / -	-	-	-	120 V/1	180 VA	L2-10	2#12, #12 GND IN 3/4"C	
107a	FLAT SCREEN MONITOR	HUBBELL IG4700A DRIG / -	-	-	-	120 V/1	180 VA	L2-10	2#12, #12 GND IN 3/4"C	
107a	FLAT SCREEN MONITOR	HUBBELL IG4700A DRIG / -	-	-	-	120 V/1	180 VA	L2-10	2#12, #12 GND IN 3/4"C	
107b	FLAT SCREEN MONITOR	HUBBELL IG4700A DRIG / -	-	-	-	120 V/1	180 VA	L2-14	2#12, #12 GND IN 3/4"C	
107b	FLAT SCREEN MONITOR	HUBBELL IG4700A DRIG / -	-	-	-	120 V/1	180 VA	L2-14	2#12, #12 GND IN 3/4"C	
107c	FLAT SCREEN MONITOR	HUBBELL IG4700A DRIG / -	-	-	-	120 V/1	180 VA	L2-13	2#12, #12 GND IN 3/4"C	
107d	FLAT SCREEN MONITOR	HUBBELL IG4700A DRIG / -	-	-	-	120 V/1	180 VA	L2-15	2#12, #12 GND IN 3/4"C	
107d	FLAT SCREEN MONITOR	HUBBELL IG4700A DRIG / -	-	-	-	120 V/1	180 VA	L2-15	2#12, #12 GND IN 3/4"C	
107d	FLAT SCREEN MONITOR	HUBBELL IG4700A DRIG / -	-	-	-	120 V/1	180 VA	L2-15	2#12, #12 GND IN 3/4"C	
107d	FLAT SCREEN MONITOR	HUBBELL IG4700A DRIG / -	-	-	-	120 V/1	180 VA	L2-15	2#12, #12 GND IN 3/4"C	
129	FLAT SCREEN MONITOR	5-20R / 24"	-	-	-	120 V/1	180 VA	L2-13	2#12, #12 GND IN 3/4"C	
134a	WALL MOUNTED HOT HOLD	5-20R / 24"	-	-	13	120 V/1	1500 VA	L1-30	2#12, #12 GND IN 3/4"C	
134b	WALL MOUNTED HOT HOLD	5-20R / 24"	-	-	13	120 V/1	1500 VA	L1-31	2#12, #12 GND IN 3/4"C	
134b	WALL MOUNTED HOT HOLD	5-20R / 24"	-	-	13	120 V/1	1500 VA		2#12, #12 GND IN 3/4"C	
134b	WALL MOUNTED HOT HOLD	5-20R / 24"	-	-	13	120 V/1	1500 VA		2#12, #12 GND IN 3/4"C	

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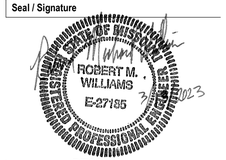
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Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

ELECTRICAL SCHEDULES

Scale

N.T.S.

E6.1

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PANEL "MDP1"

LOCATION: OUTDOOR CLOSET | VOLTAGE: 120/208 V | KAIC: 22 | BUSSING SHALL BE FULLY RATED
MOUNTING: SURFACE | PHASE: 3 P / 4W | CODES: 0=EQPT, 1=RCPT, 2=LTG, 3=A/C, 4=HEAT
ENCLOSURE: NEMA 1 STYLE: P2 | BUSSING: 400 A | 5=CONTINUOUS MOTORS, 6=LRGST MOTOR
BRKR MTG: BOLT-ON (REF: SIEMENS) | MCB: 400 A | ACCESSORIES: GROUND BUS
BREAKERS: SERIES RATED. 75 DEGREE TERMINALS | MLO: A | KEYED NOTES 1 AND 2.

CODE	BRKR	CIRCUIT USE	CKT	LOAD	A	B	C	LOAD	CKT	CIRCUIT USE	BRKR	CODE
			1		X				2			
	200/3	PANEL "K2"	3			X			4	XFMR "T1" / PANEL "L2"	60/3	
			5				X		6			
			7		X			1,300	8			0
	200/3	PANEL "K4"	9			X		1,300	10	TRASH COMPACTOR	30/3	0
			11				X	1,300	12			0
1	20/1	GENERAL PURPOSE RECEPTACLE	13	720	X				14	SPARE	20/1	
0	20/1	ICE MAKER EVAPORATOR UNIT	15	720		X			16	SPARE	20/1	
1	20/1	DUAL-SIDED DRINK DISPENSER	17	960			X		18	SPARE	20/1	
1	20/1	DRIVE-THRU AUDIO RECEPTACLE	19	360	X				20	SPARE	20/1	
1	20/1	DRIVE-THRU WINDOW	21	360		X			22	SPARE	20/1	
2	20/1	RESERVED FOR FUTURE EXTER. MENU BOARDS	23	500			X		24	SPARE	20/1	
	20/1	SPARE	25		X				26	SPARE	20/1	
	20/1	SPARE	27			X			28	SPARE	20/1	
	20/1	SPARE	29				X		30	SPARE	20/1	

	EQPT VA	RCPT VA	LTG VA	AC/HEAT VA		MOTORS			CONN VA		FTL VA	PANEL VA	PHASE AMP		
PHASE A	21811	15009	0	0		0			36820			31146	260		
PHASE B	21522	13009	0	0		0			34532			29614	247		
PHASE C	22914	12973	500	0		0			36388			31608	263		
TOTAL	66247	40992	500	0		0			107740			92369			

PANEL DESIGN KVA: 92.37 | PANEL SUBTOTAL: 256 AMPS
RESERVE CAPACITY KVA: 18.47 | RESERVE CAPACITY: 0 AMPS
TOTAL KVA: 110.84 | PANEL DESIGN CURRENT: 256 AMPS

KEYED NOTES:
1. REFER TO "PANELBOARD NOTES [X]" ON THIS SHEET FOR BRACKETED NOTES IN "CIRCUIT USE" COLUMN. DO NOT TYPE IN THE INSTALLED PANEL DIRECTORY.
2. REFER TO "ELECTRICAL LOAD ANALYSIS" ON THIS SHEET FOR NEC TABLE 220.88 LOAD ANALYSIS USED TO SIZE PANEL "MDP".

PANEL "MDP2"

LOCATION: OUTDOOR CLOSET | VOLTAGE: 120/208 V | KAIC: 22 | BUSSING SHALL BE FULLY RATED
MOUNTING: SURFACE | PHASE: 3 P / 4W | CODES: 0=EQPT, 1=RCPT, 2=LTG, 3=A/C, 4=HEAT
ENCLOSURE: NEMA 1 STYLE: P2 | BUSSING: 400 A | 5=CONTINUOUS MOTORS, 6=LRGST MOTOR
BRKR MTG: BOLT-ON (REF: SIEMENS) | MCB: 400 A | ACCESSORIES: GROUND BUS
BREAKERS: SERIES RATED. 75 DEGREE TERMINALS | MLO: A | KEYED NOTES 1 AND 2.

CODE	BRKR	CIRCUIT USE	CKT	LOAD	A	B	C	LOAD	CKT	CIRCUIT USE	BRKR	CODE
			1		X			720	2	GENERAL PURPOSE RECEPTACLE	20/1	1
	200/3	PANEL "K1"	3			X		175	4	EXTERIOR CANOPY LIGHTING [3]	20/1	2
			5				X	644	6	REACH-IN REFRIGERATOR	20/1	0
			7		X			500	8	"WHATABURGER" SIGNAGE [3]	20/1	2
	200/3	PANEL "K3"	9			X		500	10	GREASE TANK	20/1	0
			11				X	644	12	REACH-IN REFRIGERATOR	20/1	0
0	20/1	HOOD HEAT SENSOR CTRL (KEF1 & 2)	13	270	X			644	14	REACH-IN REFRIGERATOR	20/1	0
0	20/1	GWH-1 (GAS WATER HEATER)	15	200		X		644	16	REACH-IN REFRIGERATOR	20/1	0
2	20/1	LIGHTING RELAY PANEL	17	360			X	132	18	ROOF LIGHTING	20/1	2
0	20/1	TOUCH-FREE VALVES	19	100	X			480	20	UNDER COUNTER REFRIGERATOR	20/1	0
0	20/1	MOBILE GREASE CADDY	21	696		X		500	22	"WHATABURGER" SIGNAGE [3]	20/1	2
1	20/1	MENU BOARD LIGHTING (EXTERIOR) [3]	23	500			X	882	24	PARKING LOT LIGHTING [3]	20/2	2
1	20/1	MOTORIZED SHADES	25	800	X			882	26			2
1	20/1	GRILL TIMERS	27	180		X		588	28	PARKING LOT LIGHTING [3]	20/2	2
0	20/1	BEVERAGE PUMP	29	720			X	588	30			2
0	20/1	IRRIGATION CONTROLLER	31	180	X			192	32	COOLER UNIT COOLER	20/1	0
2	20/1	"WHATABURGER" SIGNAGE [3]	33	500		X		500	34	"WB" MONUMENT SIGN [3]	20/2	2
2	20/1	"W" SIGN [3]	35	500			X	500	36			2
2	20/1	"W" SIGN [3]	37	500	X			1,681	38			0
2	20/1	LIGHTING (KITCHEN, COOLER, FREEZER)	39	660		X		1,681	40	ICE MAKER CONDENSER (14e)	25/3	0
0	20/1	ICE MAKER EVAPORATOR UNIT	41	720			X	1,681	42			0

	EQPT VA	RCPT VA	LTG VA	AC/HEAT VA		MOTORS			CONN VA		FTL VA	PANEL VA	PHASE AMP		
PHASE A	12092	22515	1882	0		0			36490			27434	229		
PHASE B	11774	23048	2923	0		0			37745			28725	239		
PHASE C	13198	19447	2962	0		0			35607			28120	234		
TOTAL	37065	65010	7767	0		0			109842			84279			

PANEL DESIGN KVA: 84.28 | PANEL SUBTOTAL: 234 AMPS
RESERVE CAPACITY KVA: 16.86 | RESERVE CAPACITY: 0 AMPS
TOTAL KVA: 101.13 | PANEL DESIGN CURRENT: 234 AMPS

KEYED NOTES:
1. REFER TO "PANELBOARD NOTES [X]" ON THIS SHEET FOR BRACKETED NOTES IN "CIRCUIT USE" COLUMN. DO NOT TYPE IN THE INSTALLED PANEL DIRECTORY.
2. REFER TO "ELECTRICAL LOAD ANALYSIS" ON THIS SHEET FOR NEC TABLE 220.88 LOAD ANALYSIS USED TO SIZE PANEL "MDP".

PANEL "MDP3"

LOCATION: OUTDOOR CLOSET | VOLTAGE: 120/208 V | KAIC: 22 | BUSSING SHALL BE FULLY RATED
MOUNTING: SURFACE | PHASE: 3 P / 4W | CODES: 0=EQPT, 1=RCPT, 2=LTG, 3=A/C, 4=HEAT
ENCLOSURE: NEMA 1 STYLE: P1 | BUSSING: 400 A | 5=CONTINUOUS MOTORS, 6=LRGST MOTOR
BRKR MTG: BOLT-ON (REF: SIEMENS) | MCB: 400 A | ACCESSORIES: GROUND BUS
BREAKERS: SERIES RATED. 75 DEGREE TERMINALS | MLO: A | KEYED NOTES 1 AND 2.

CODE	BRKR	CIRCUIT USE	CKT	LOAD	A	B	C	LOAD	CKT	CIRCUIT USE	BRKR	CODE
3			1	11,889	X			2,600	2	FREEZER CONDENSER	40/2	3
3	125/3	RTU-1	3	11,889		X		2,600	4			3
3			5	11,889			X	1,560	6	COOLER CONDENSER	20/2	3
3			7	8,166	X			1,560	8			3
3	80/3	RTU-2	9	8,166		X			10	SPARE	20/1	
3			11	8,166			X	720	12	ICE MAKER EVAPORATOR UNIT	20/1	0
0	20/2	KEF-1	13	1,440	X			1,681	14			0
0			15	1,440		X		1,681	16	ICE MAKER CONDENSER (14d)	25/3	0
0	20/2	KEF-2	17	588			X	1,681	18			0
0			19	588	X			1,681	20			0
3	20/2	MULTIPLEX CONDENSER UNIT (17b)	21	135		X		1,681	22	ICE MAKER CONDENSER (14c)	25/3	0
3			23	135			X	1,681	24			0
	20/1	SPARE	25		X				26	SPARE	20/1	
	20/1	SPARE	27			X			28	SPARE	20/1	
	20/1	SPARE	29	720			X		30	SPARE	20/1	

	EQPT VA	RCPT VA	LTG VA	AC/HEAT VA		MOTORS			CONN VA		FTL VA	PANEL VA	PHASE AMP		
PHASE A	5390	0	0	24215		0			29605			29605	247		
PHASE B	4802	0	0	22790		0			27592			27592	230		
PHASE C	5390	0	0	21750		0			27140			27140	226		
TOTAL	15582	0	0	68755		0			84337			84337			

PANEL DESIGN KVA: 84.34 | PANEL SUBTOTAL: 234 AMPS
RESERVE CAPACITY KVA: 16.87 | RESERVE CAPACITY: 0 AMPS
TOTAL KVA: 101.20 | PANEL DESIGN CURRENT: 234 AMPS

KEYED NOTES:
1. REFER TO "PANELBOARD NOTES [X]" ON THIS SHEET FOR BRACKETED NOTES IN "CIRCUIT USE" COLUMN. DO NOT TYPE IN THE INSTALLED PANEL DIRECTORY.
2. REFER TO "ELECTRICAL LOAD ANALYSIS" ON THIS SHEET FOR NEC TABLE 220.88 LOAD ANALYSIS USED TO SIZE PANEL "MDP".

PANEL "L1"

LOCATION: SERVICE ENTRY 112 | VOLTAGE: 120/208 V | KAIC: 22 | BUSSING SHALL BE FULLY RATED
MOUNTING: SURFACE | PHASE: 3 P / 4W | CODES: 0=EQPT, 1=RCPT, 2=LTG, 3=A/C, 4=HEAT
ENCLOSURE: NEMA 1 STYLE: P1 | BUSSING: 225 A | 5=CONTINUOUS MOTORS, 6=LRGST MOTOR
BRKR MTG: BOLT-ON (REF: SIEMENS) | MCB: 225 A | ACCESSORIES: GROUND BUS
BREAKERS: SERIES RATED. 75 DEGREE TERMINALS | MLO: A | KEYED NOTE 1.

CODE	BRKR	CIRCUIT USE	CKT	LOAD	A	B	C	LOAD	CKT	CIRCUIT USE	BRKR	CODE
2	20/1	EXIT LIGHTING	1	6	X			114	2	LIGHTING (EXTERIOR BLDG)	20/1	2
0	20/1	BELL AND BUZZER	3	20		X		400	4	EF-1 (RESTROOM)	15/1	0
2	20/1	LIGHTING (BOH, TOIL, HSKPG)	5	310			X	2,600	6			0
1	20/1	MONUMENT RECEPTACLE	7	180	X			2,600	8	OVEN	30/3	0
1	20/1	TRAINING SPACE RECEPTACLE	9	180		X		2,600	10			0
2	20/1	LIGHTING (POS)	11	309			X	2,550	12	COFFEE BREWER [4]	30/2 GF	0
1	20/1	OFFICE RECEPTACLES	13	180	X			2,550	14			0
2	20/1	DRIVE-THRU CANOPY LIGHTS [3]	15	88		X		1,377	16	LIGHTING (DINING)	20/1	2
0	20/1	DRIVE-THRU DRINK DISPENSER	17	624			X	180	18	HEAT TAPE (CLASS 2mA GFCI) [4]	20/1 GF	4
0	20/1	FIRE ALARM CONTROL PANEL (FACP) [1]	19	180	X			180	20	CONDENSER CONTROL PANEL	20/1	3
0	25/1	CP-1 (HOT WATER RECIRC PUMP)	21	1,656		X		1,080	22	ROOFTOP RECEPTACLES	20/1	1
0	20/2 GF	SHAKE MACHINE [4]	23	1,352			X		24	SPARE	20/1	
0			25	1,352	X			1,040	26	REACH-IN FREEZER	20/1	0
0	20/2	FREEZER UNIT COOLER	27	1,019		X		68	28	FLAG LIGHTING [3]	20/1	2
0			29	1,019			X	1,500	30	HOT/COLD CABINET	20/1	0
0	20/1	HOT/COLD CABINET	31	1,500	X			504	32	PIE CABINET	20/1	0
1	20/1	TEA BREWER	33	1,650		X		1,000	34	MICROWAVE	20/1	0
0			35	3,026			X	1,200	36	GRAVY WARMER	20/1	0
0	30/3	MULTIPLEX REFRIGERATION UNIT	37	3,026	X			915	38	SUPER COOLER [4]	20/2 GF	0
0			39	3,026		X		915	40			0
0	20/1	ICE MANAGER	41	600			X		42	SPARE	20/1	

	EQPT VA	RCPT VA	LTG VA	AC/HEAT VA		MOTORS			CONN VA		FTL VA	PANEL VA	PHASE AMP		
PHASE A	13667	360	120	180		0			14327			14357	120		
PHASE B	10636	2910	1533	0		0			15079			15462	129		
PHASE C	14471	0	619	180		0			15270			15425	129		
TOTAL	38774	3270	2272	360		0			44676			45244			

PANEL DESIGN KVA: 45.24 | PANEL SUBTOTAL: 126 AMPS
RESERVE CAPACITY KVA: 9.05 | RESERVE CAPACITY: 19 AMPS
TOTAL KVA: 54.29 | PANEL DESIGN CURRENT: 144 AMPS

KEYED NOTES:
1. REFER TO "PANELBOARD NOTES [X]" ON THIS SHEET FOR BRACKETED NOTES IN "CIRCUIT USE" COLUMN. DO NOT TYPE IN THE INSTALLED PANEL DIRECTORY.

PANEL "L2"

LOCATION: OUTDOOR CLOSET | VOLTAGE: 120/208 V | KAIC: 10 | BUSSING SHALL BE FULLY RATED
MOUNTING: SURFACE | PHASE: 3 P / 4W | CODES: 0=EQPT, 1=RCPT, 2=LTG, 3=A/C, 4=HEAT
ENCLOSURE: NEMA 1 STYLE: P1 | BUSSING: 100 A | 5=CONTINUOUS MOTORS, 6=LRGST MOTOR
BRKR MTG: BOLT-ON (REF: SIEMENS) | MCB: 50 A | ACCESSORIES: GROUND BUS
BREAKERS: SERIES RATED. 75 DEGREE TERMINALS | MLO: A | KEYED NOTE 1.

CODE	BRKR	CIRCUIT USE	CKT	LOAD	A	B	C	LOAD	CKT	CIRCUIT USE	BRKR	CODE
1	20/1 GF	POINT OF SALE (DRIVE THRU 3) [4]	1	360	X			360	2	POINT OF SALE (DINING)	20/1	1
1	20/1 GF	POINT OF SALE (DRIVE THRU 3) [4]	3	360		X		360	4	POINT OF SALE (DINING)	20/1	1
1	20/1	POINT OF SALE (DRIVE THRU 2)	5	360			X	360	6	POINT OF SALE (DINING)	20/1	1
1	20/1	POINT OF SALE (DRIVE THRU 2)	7	360	X				8	SPARE	20/1	
1	20/1	MENU BOARD	9	540		X			10	SPARE	20/1	
	20/1	SPARE	11				X	180	12	FLAT PANEL DISPLAY	20/1	1
1	20/1 GF	ORDER SCREENS (129/107c) [4]	13	360	X			360	14	ORDER SCREENS (107b) [4]	20/1 GF	1
1	20/1 GF	ORDER SCREENS (107d) [4]	15	720		X			16	SPARE	20/1	
1	20/1	COMMUNICATION EQUIPMENT	17	180			X	360	18	WAN RACK	20/1	0
1	20/1	SMART SAFE	19	180	X			360	20	WAN RACK	20/1	0
1	20/1	POINT OF SALE (DRIVE THRU 1)	21	360		X		360	22	MONITORS	20/1	1
1	20/1	POINT OF SALE (DRIVE THRU 1)	23	360			X	360	24	PHONE/PRINTER	20/1	1
	20/1	SPARE	25		X			360	26	TABLETS	20/1	1
	20/1	SPARE	27			X		360	28	SHELF RECPT	20/1	1
	20/1	SPARE	29				X	720	10	ORDER SCREENS (107a) [4]	20/1 GF	1
	20/1	SPARE	31		X				32	SPARE	20/1	
	20/1	SPARE	33			X			34	SPARE	20/1	
	20/1	SPARE	35				X		36	SPARE	20/1	
	20/1	SPARE	37		X				38	SPARE	20/1	
	20/1	SPARE	39			X			40	SPARE	20/1	
	20/1	SPARE	41				X		42	SPARE	20/1	

	EQPT VA	RCPT VA	LTG VA	AC/HEAT VA		MOTORS			CONN VA		FTL VA	PANEL VA	PHASE AMP		
PHASE A	360	2340	0	0		0			2700			2700	23		
PHASE B	0	3060	0	0		0			3060			3060	26		
PHASE C	360	2520	0	0		0			2880			2880	24		
TOTAL	720	7920	0	0		0			8640			8640			

PANEL DESIGN KVA: 8.64 | PANEL SUBTOTAL: 24 AMPS
RESERVE CAPACITY KVA: 1.73 | RESERVE CAPACITY: 4 AMPS
TOTAL KVA: 10.37 | PANEL DESIGN CURRENT: 28 AMPS

KEYED NOTES:
1. REFER TO "PANELBOARD NOTES [X]" ON THIS SHEET FOR BRACKETED NOTES IN "CIRCUIT USE" COLUMN. DO NOT TYPE IN THE INSTALLED PANEL DIRECTORY.

ELECTRICAL LOAD ANALYSIS

WHATABURGER PT20M (MEDIUM PROTOTYPE)

BASED ON 2020 NEC TABLE 220.88
FOR 326 - 800 TOTAL CONNECT LOAD
SYSTEM VOLTAGE 208Y/120V, 3-PHASE, 4 WIRE + GND

	SPARE	KVA	AMPS
TOTAL CONNECTED LOAD		325.5	903.4
50% AMOUNT OVER 325 KVA		0.2	0.6
PLUS 172.5 KVA		172.5	479.8
ESTIMATED SUB-TOTAL		172.7	479.4
SPARE (NOT REQUIRED)	25%	43.4	120.5
MINIMUM SERVICE RATING		216.2	600.0

GENERAL NOTES

A. ALL FIRE ALARM CIRCUITS SHALL REQUIRE A LOCK-ON DEVICE. SHALL HAVE RED IDENTIFICATION AND IDENTIFIED AS FIRE ALARM CIRCUIT PER NEC760.41 (A) &(B) AND NFPA 72.10.6.5.3 AND NFPA 72.10.6.5.4.

B. ALL PANELS SHALL HAVE LOCKABLE DOORS.

PANELBOARD NOTES [X]

1. PROVIDE LOCK-ON DEVICE.
2. WIRE SIZE SHOWN ON ONE-LINE.
3. ROUTE THROUGH LIGHTING CONTACTOR.
4. PROVIDE GFCI TYPE BREAKER.
5. ROUTE THROUGH LIGHTING CONTROL PANEL.
6. CIRCUIT SHALL BE WIRED INTO THE ANSUL SYSTEM.

WHATABURGER

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San Antonio, TX 78205
United States

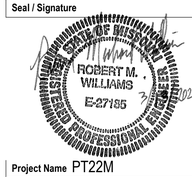
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Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

ELECTRICAL PANEL SCHEDULES

Scale

N.T.S.

E7.1

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GENERAL NOTES

A. ALL FIRE ALARM CIRCUITS SHALL REQUIRE A LOCK-ON DEVICE. SHALL HAVE RED IDENTIFICATION AND IDENTIFIED AS FIRE ALARM CIRCUIT PER NEC760.41 (A) &(B) AND NFPA 72.10.6.5.3 AND NFPA 72.10.6.5.4.

B. ALL PANELS SHALL HAVE LOCKABLE DOORS.

PANELBOARD NOTES [X]

1. PROVIDE LOCK-ON DEVICE.
2. WIRE SIZE SHOWN ON ONE-LINE.
3. ROUTE THROUGH LIGHTING CONTACTOR.
4. PROVIDE GFCI TYPE BREAKER.
5. ROUTE THROUGH LIGHTING CONTROL PANEL.
6. CIRCUIT SHALL BE WIRED INTO THE ANSUL SYSTEM.

PANEL "K1" (SHOWN FOR REFERENCE ONLY)

LOCATION: KITCHEN — VOLTAGE: 120/208 V — KAIC: 22 — BUSSING SHALL BE FULLY RATED
MOUNTING: SURFACE — PHASE: 3 P / 4W — CODES: 0=EQPT, 1=RCPT, 2=LTG, 3=A/C, 4=HEAT
ENCLOSURE: NEMA 1 STYLE: P1 — BUSSING: 200 A — 5=CONTINUOUS MOTORS, 6=LRGST MOTOR
BRKR MTG: BOLT-ON (REF: SIEMENS) — MCB: A — ACCESSORIES: GROUND BUS
BREAKERS: SERIES RATED. 75 DEGREE TERMINALS — MLO: 200 A

CODE	BRKR	CIRCUIT USE	CKT	LOAD	A	B	C	LOAD	CKT	CIRCUIT USE	BRKR	CODE
1	50/2 GF	SE14TE FRYER 1	1	4,129	X				2	BUSSED SPACE		
1			3	4,129		X		4,129	4	SE14TE FRYER 2	50/2 GF	1
0	15/1	ANSUL CIRCUIT	5	600			X	4,129	6			1
1	20/1	HACTO FOOD WARMER 120V/ 1410W	7	1,440	X			240	8	FOIL HEATERS 120V 234 WATTS	15/1	1
		BUSSED SPACE	9			X			10	BUSSED SPACE		
1	20/1	HACTO FOOD WARMER 120V/1032W	11	1,032			X		12	BUSSED SPACE		
		BUSSED SPACE	13		X			6,557	14			1
		BUSSED SPACE	15			X		6,557	16	SE184 FRYER 1	70/3	1
0	20/1GF	COMPACT FREEZER	17	960			X	6,557	18			1
0	20/1GF	UCR-20 REFRIGERATOR	19	420	X				20	BUSSED SPACE		
		BUSSED SPACE	21			X			22	BUSSED SPACE		
		BUSSED SPACE	23				X		24	BUSSED SPACE		
		BUSSED SPACE	25		X			504	26	PIE HOLDING CABINET	15/1 GF	1
		BUSSED SPACE	27			X			28	BUSSED SPACE		
		BUSSED SPACE	29				X		30	BUSSED SPACE		

	EQPT VA	RCPT VA	LTG VA	AC/HEAT VA	MOTORS	CONN VA	FTL VA	PANEL VA	PHASE AMP
PHASE A	420	12870	0	0	0	13290		8488	71
PHASE B	0	14814	0	0	0	14814		9287	77
PHASE C	1560	11718	0	0	0	13278		8906	74
TOTAL	1980	39402	0	0	0	41382		26681	

PANEL DESIGN KVA: 26.68 — PANEL SUBTOTAL: 74 AMPS
RESERVE CAPACITY KVA: 5.34 — RESERVE CAPACITY: 11 AMPS
TOTAL KVA: 32.02 — PANEL DESIGN CURRENT: 85 AMPS

KEYED NOTES:
1. THIS PANEL IS PROVIDED INTEGRAL TO KITCHEN EQUIPMENT PROVIDED BY H+K INTERNATIONAL (MR. TOM RIDDLE, 214-621-0300). WHO ARE RESPONSIBLE FOR FURNISHING AND INSTALLING THIS PANEL AND ITS BRANCH CIRCUITS. DIVISION 26 CONTRACTOR SHALL NOT BID THIS PANEL. DIVISION 26 CONTRACTOR SHALL PROVIDE ONLY THE FEEDER FROM PANEL "MDP" TO THIS PANEL.

PANEL "K2" (SHOWN FOR REFERENCE ONLY)

LOCATION: KITCHEN — VOLTAGE: 120/208 V — KAIC: 22 — BUSSING SHALL BE FULLY RATED
MOUNTING: SURFACE — PHASE: 3 P / 4W — CODES: 0=EQPT, 1=RCPT, 2=LTG, 3=A/C, 4=HEAT
ENCLOSURE: NEMA 1 STYLE: P1 — BUSSING: 200 A — 5=CONTINUOUS MOTORS, 6=LRGST MOTOR
BRKR MTG: BOLT-ON (REF: SIEMENS) — MCB: A — ACCESSORIES: GROUND BUS
BREAKERS: SERIES RATED. 75 DEGREE TERMINALS — MLO: 200 A

CODE	BRKR	CIRCUIT USE	CKT	LOAD	A	B	C	LOAD	CKT	CIRCUIT USE	BRKR	CODE
1	15/1	HEATED TOP	1	864	X			1,664	2	TOASTER 1	20/2 GF	1
0			3	4,695		X		1,664	4			1
0	50/3 GF	CLAM SHELL #1 CORD 2	5	4,744			X	1,664	6	TOASTER 2	20/2 GF	1
0			7	4,744	X			1,664	8			1
1	20/1	HOT FOOD WELL	9	600		X			10	BUSSED SPACE		
1	20/1	HOT FOOD WELL	11	600			X		12	BUSSED SPACE		
0			13	2,702	X			4,695	14			1
0	30/3 GF	CLAM SHELL #1 CORD 1	15	2,582		X		4,744	16	CLAM SHELL #2 CORD 2	50/3 GF	1
0			17	2,486			X	4,744	18			1
		BUSSED SPACE	19		X			2,702	20			1
		BUSSED SPACE	21			X		2,582	22	CLAM SHELL #2 CORD 1	30/3 GF	1
0	15/1 GF	REFRIGERATOR 1	23	480			X	2,486	24			1
0	15/1 GF	REFRIGERATOR 2	25	480	X				26	BUSSED SPACE		
		BUSSED SPACE	27			X			28	BUSSED SPACE		
0	15/1 GF	COLD RAIL	29	960			X	360	30	ANSUL CIRCUIT	15/1	0

	EQPT VA	RCPT VA	LTG VA	AC/HEAT VA	MOTORS	CONN VA	FTL VA	PANEL VA	PHASE AMP
PHASE A	7926	11589	0	0	0	19515		15609	130
PHASE B	7277	9589	0	0	0	16867		13635	114
PHASE C	9029	9493	0	0	0	18523		15324	128
TOTAL	24232	30672	0	0	0	54904		44568	

PANEL DESIGN KVA: 44.57 — PANEL SUBTOTAL: 124 AMPS
RESERVE CAPACITY KVA: 8.91 — RESERVE CAPACITY: 19 AMPS
TOTAL KVA: 53.48 — PANEL DESIGN CURRENT: 142 AMPS

KEYED NOTES:
1. THIS PANEL IS PROVIDED INTEGRAL TO KITCHEN EQUIPMENT PROVIDED BY H+K INTERNATIONAL (MR. TOM RIDDLE, 214-621-0300), WHO ARE RESPONSIBLE FOR FURNISHING AND INSTALLING THIS PANEL AND ITS BRANCH CIRCUITS. DIVISION 26 CONTRACTOR SHALL NOT BID THIS PANEL. DIVISION 26 CONTRACTOR SHALL PROVIDE ONLY THE FEEDER FROM PANEL "MDP" TO THIS PANEL.

PANEL "K3" (SHOWN FOR REFERENCE ONLY)

LOCATION: KITCHEN — VOLTAGE: 120/208 V — KAIC: 22 — BUSSING SHALL BE FULLY RATED
MOUNTING: SURFACE — PHASE: 3 P / 4W — CODES: 0=EQPT, 1=RCPT, 2=LTG, 3=A/C, 4=HEAT
ENCLOSURE: NEMA 1 STYLE: P1 — BUSSING: 200 A — 5=CONTINUOUS MOTORS, 6=LRGST MOTOR
BRKR MTG: BOLT-ON (REF: SIEMENS) — MCB: A — ACCESSORIES: GROUND BUS
BREAKERS: SERIES RATED. 75 DEGREE TERMINALS — MLO: 200 A

CODE	BRKR	CIRCUIT USE	CKT	LOAD	A	B	C	LOAD	CKT	CIRCUIT USE	BRKR	CODE
1			1	4,695	X			4,695	2			0
1	50/3 GF	CLAM SHELL #3 CORD 2	3	4,744		X		4,744	4	CLAM SHELL #4 CORD 2	50/3 GF	0
1			5	4,744			X	4,744	6			0
1	20/2 GF	DUKE HOLDING UNIT	7	728	X			728	8	DUKE HOLDING UNIT	20/2 GF	0
1			9	728		X		728	10			0
		BUSSED SPACE	11				X		12	BUSSED SPACE		
1			13	2,702	X			2,702	14			0
1	30/3 GF	CLAM SHELL #3 CORD 1	15	2,582		X		2,582	16	CLAM SHELL #4 CORD 1	30/3 GF	0
1			17	2,486			X	2,486	18			0
		BUSSED SPACE	19		X				20	BUSSED SPACE		
		BUSSED SPACE	21			X			22	BUSSED SPACE		
		BUSSED SPACE	23				X		24	BUSSED SPACE		
		BUSSED SPACE	25		X				26	BUSSED SPACE		
		BUSSED SPACE	27			X			28	BUSSED SPACE		
		BUSSED SPACE	29				X		30	BUSSED SPACE		

	EQPT VA	RCPT VA	LTG VA	AC/HEAT VA	MOTORS	CONN VA	FTL VA	PANEL VA	PHASE AMP
PHASE A	8125	8125	0	0	0	16251		13924	116
PHASE B	8053	8053	0	0	0	16107		13800	115
PHASE C	7229	7229	0	0	0	14459		12388	103
TOTAL	23408	23408	0	0	0	46816		40112	

PANEL DESIGN KVA: 40.11 — PANEL SUBTOTAL: 111 AMPS
RESERVE CAPACITY KVA: 8.02 — RESERVE CAPACITY: 17 AMPS
TOTAL KVA: 48.13 — PANEL DESIGN CURRENT: 128 AMPS

KEYED NOTES:
1. THIS PANEL IS PROVIDED INTEGRAL TO KITCHEN EQUIPMENT PROVIDED BY H+K INTERNATIONAL (MR. TOM RIDDLE, 214-621-0300), WHO ARE RESPONSIBLE FOR FURNISHING AND INSTALLING THIS PANEL AND ITS BRANCH CIRCUITS. DIVISION 26 CONTRACTOR SHALL NOT BID THIS PANEL. DIVISION 26 CONTRACTOR SHALL PROVIDE ONLY THE FEEDER FROM PANEL "MDP" TO THIS PANEL.

PANEL "K4" (SHOWN FOR REFERENCE ONLY)

LOCATION: KITCHEN — VOLTAGE: 120/208 V — KAIC: 22 — BUSSING SHALL BE FULLY RATED
MOUNTING: SURFACE — PHASE: 3 P / 4W — CODES: 0=EQPT, 1=RCPT, 2=LTG, 3=A/C, 4=HEAT
ENCLOSURE: NEMA 1 STYLE: P1 — BUSSING: 125 A — 5=CONTINUOUS MOTORS, 6=LRGST MOTOR
BRKR MTG: BOLT-ON (REF: SIEMENS) — MCB: A — ACCESSORIES: GROUND BUS
BREAKERS: SERIES RATED. 75 DEGREE TERMINALS — MLO: 125 A

CODE	BRKR	CIRCUIT USE	CKT	LOAD	A	B	C	LOAD	CKT	CIRCUIT USE	BRKR	CODE
0			1	6,557	X			5,668	2			0
0	70/3	SE184 FRYER 2	3	6,557		X		5,668	4	SE 14 FRYER 1	70/3	0
0			5	6,557			X	5,668	6			0
		BUSSED SPACE	7		X				8	BUSSED SPACE		
		BUSSED SPACE	9			X			10	BUSSED SPACE		
		BUSSED SPACE	11				X		12	BUSSED SPACE		

	EQPT VA	RCPT VA	LTG VA	AC/HEAT VA	MOTORS	CONN VA	FTL VA	PANEL VA	PHASE AMP
PHASE A	12225	0	0	0	0	12225		12225	102
PHASE B	12225	0	0	0	0	12225		12225	102
PHASE C	12225	0	0	0	0	12225		12225	102
TOTAL	36675	0	0	0	0	36675		36675	

PANEL DESIGN KVA: 36.68 — PANEL SUBTOTAL: 102 AMPS
RESERVE CAPACITY KVA: 7.34 — RESERVE CAPACITY: 15 AMPS
TOTAL KVA: 44.01 — PANEL DESIGN CURRENT: 117 AMPS

KEYED NOTES:
1. THIS PANEL IS PROVIDED INTEGRAL TO KITCHEN EQUIPMENT PROVIDED BY H+K INTERNATIONAL (MR. TOM RIDDLE, 214-621-0300), WHO ARE RESPONSIBLE FOR FURNISHING AND INSTALLING THIS PANEL AND ITS BRANCH CIRCUITS. DIVISION 26 CONTRACTOR SHALL NOT BID THIS PANEL. DIVISION 26 CONTRACTOR SHALL PROVIDE ONLY THE FEEDER FROM PANEL "MDP" TO THIS PANEL.

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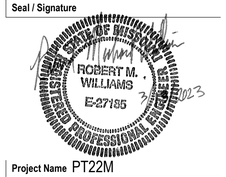
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Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

ELECTRICAL PANEL SCHEDULES

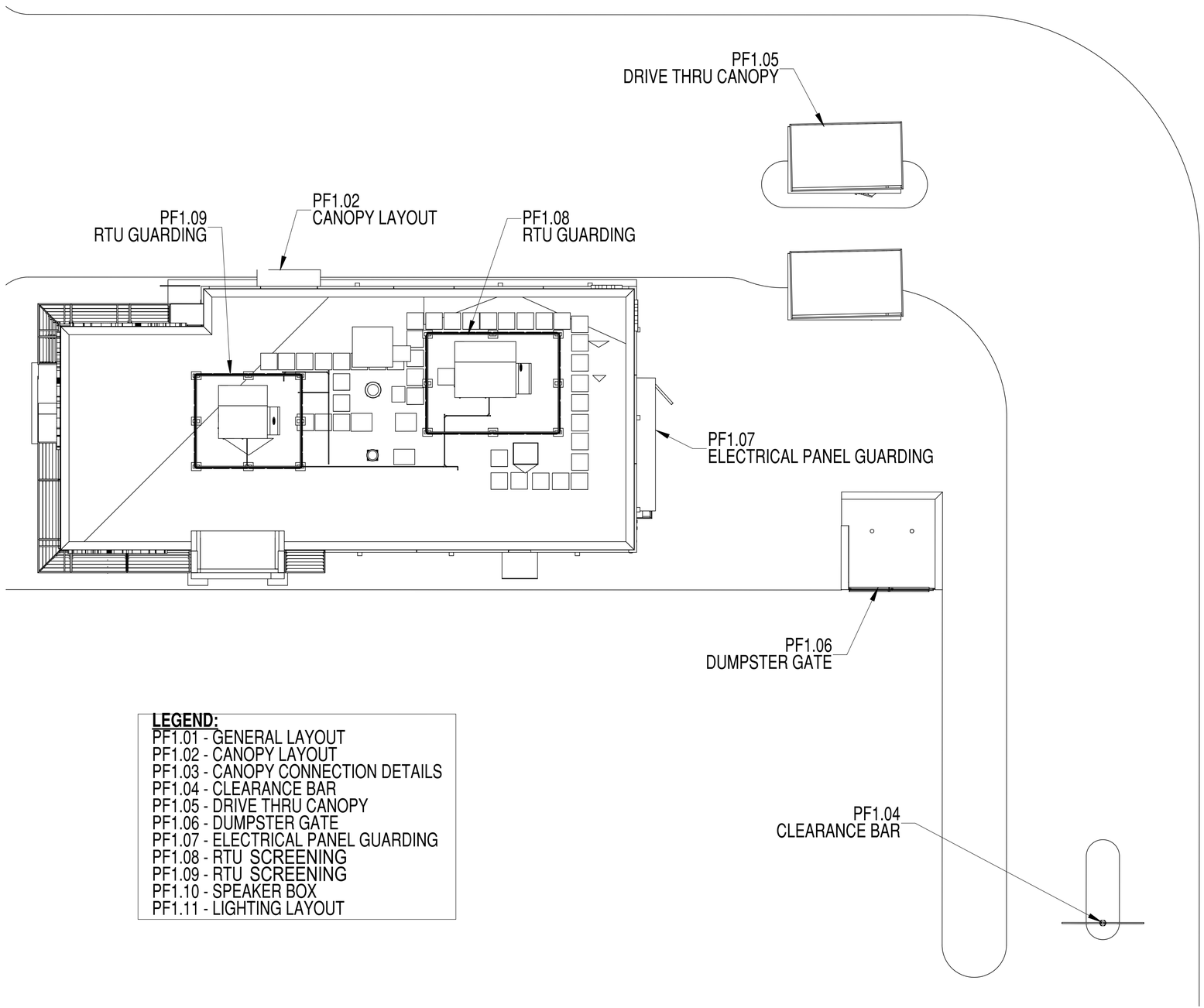
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LEGEND:

PF1.01 - GENERAL LAYOUT
PF1.02 - CANOPY LAYOUT
PF1.03 - CANOPY CONNECTION DETAILS
PF1.04 - CLEARANCE BAR
PF1.05 - DRIVE THRU CANOPY
PF1.06 - DUMPSTER GATE
PF1.07 - ELECTRICAL PANEL GUARDING
PF1.08 - RTU SCREENING
PF1.09 - RTU SCREENING
PF1.10 - SPEAKER BOX
PF1.11 - LIGHTING LAYOUT

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PAUL HAGLE
A2002001418
REGISTERED ARCHITECT

Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

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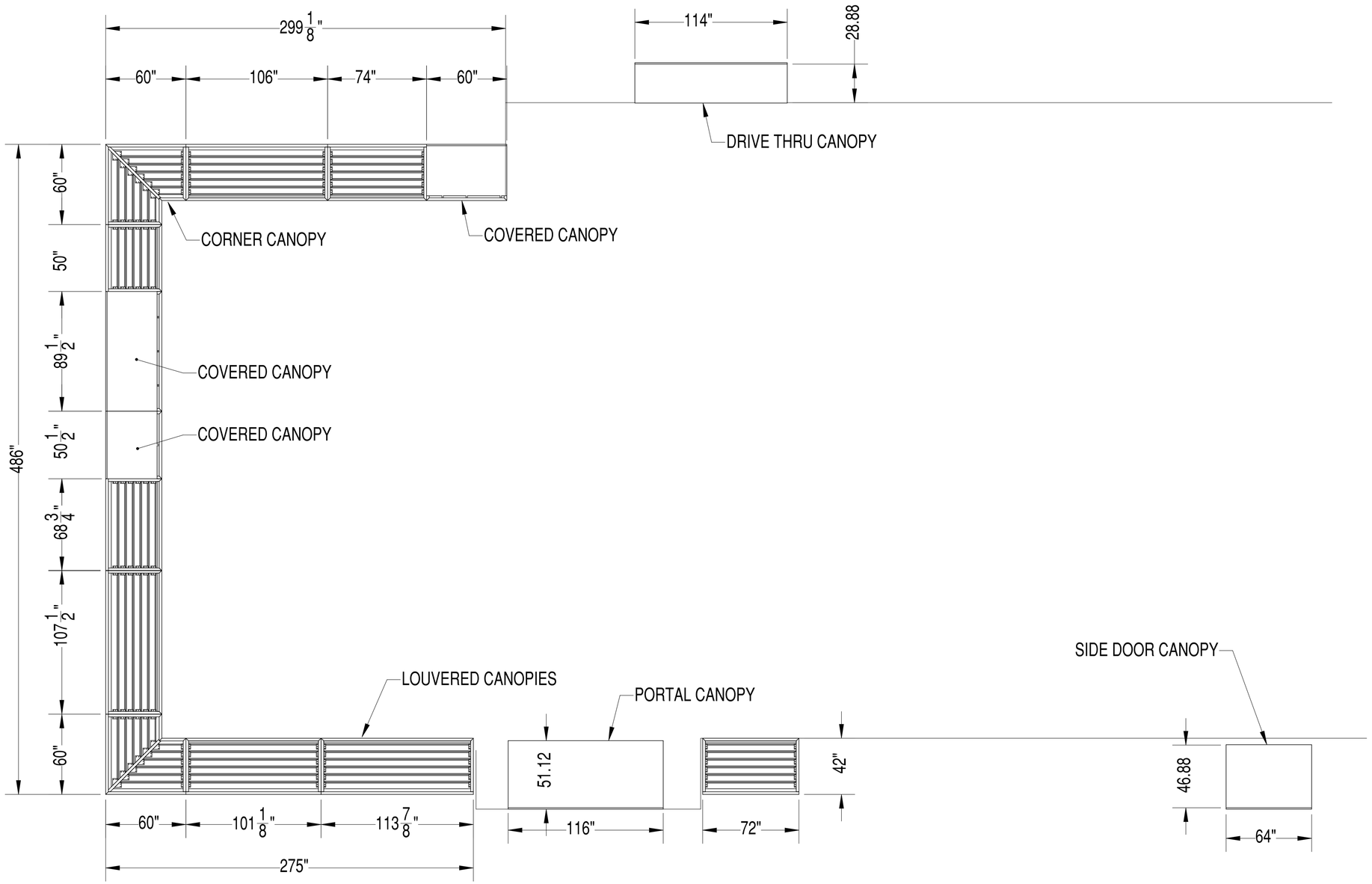
Description

GENERAL LAYOUT

Scale

PF1.01

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CANOPY LAYOUT TOP VIEW
SCALE 1 : 40

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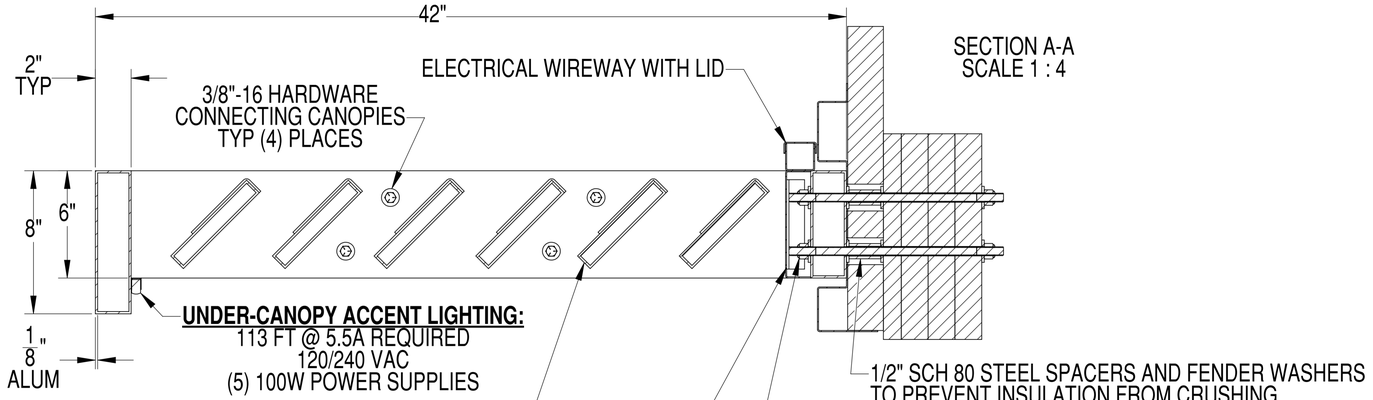
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CANOPY LAYOUT

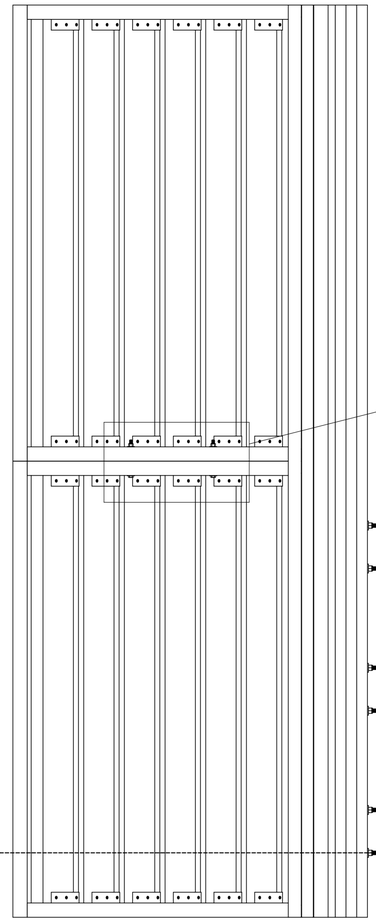
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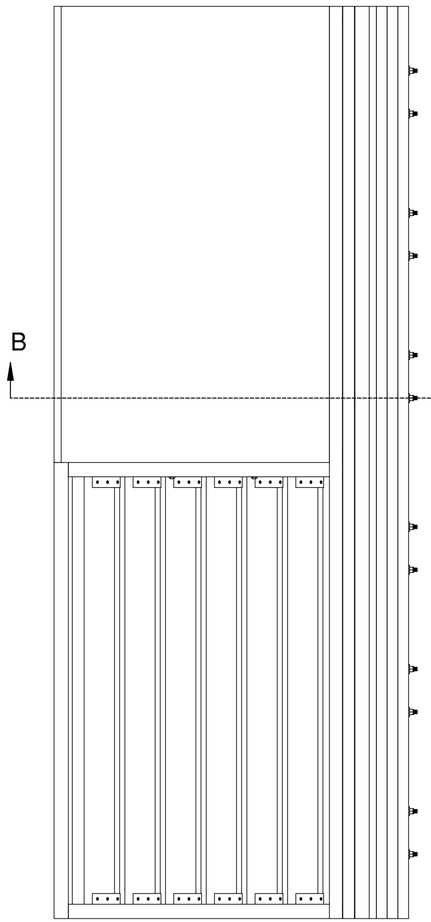


SECTION A-A
SCALE 1 : 4

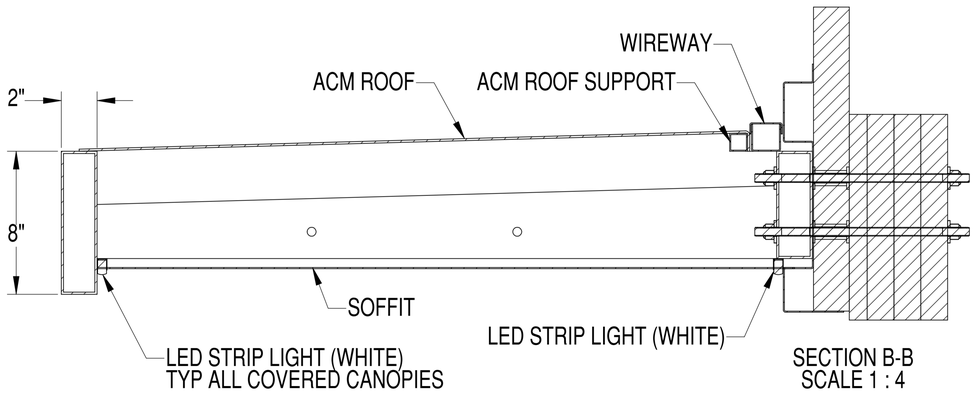


SOLAR SHADE CANOPY
SIDE CONNECTION REFERENCE
TOP VIEW

DETAIL C
SCALE 1 : 4



COVERED CANOPY
CONNECTION REFERENCE
TOP VIEW



SECTION B-B
SCALE 1 : 4

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CANOPY CONNECTION DETAILS

Scale

PF1.03

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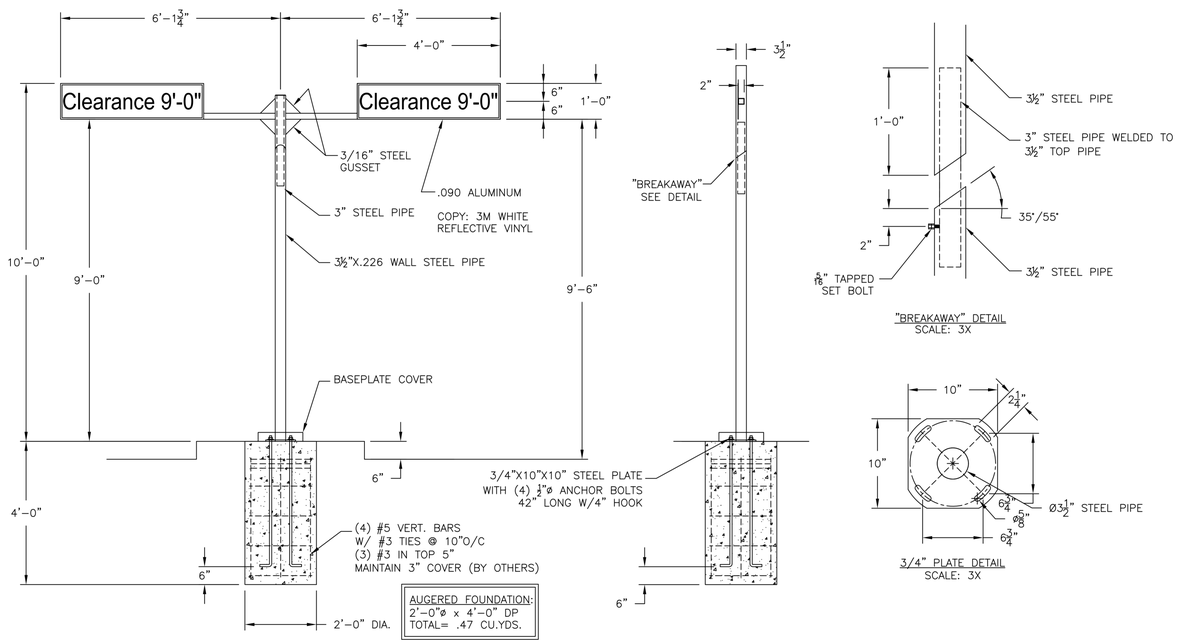
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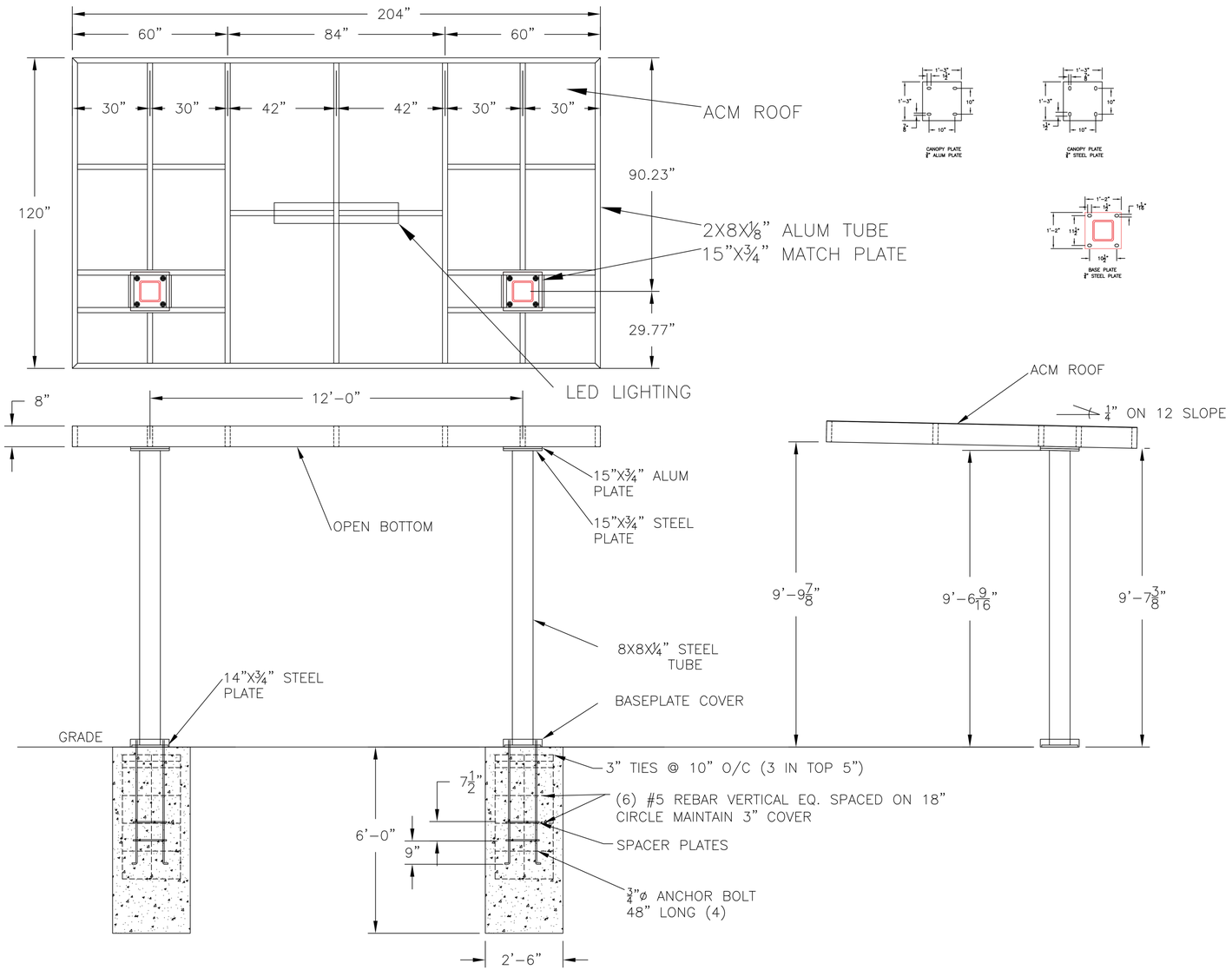
CLEARANCE BAR

Scale

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STATE OF MISSOURI
PAUL HAGLE
A2002001418
REGISTERED ARCHITECT

Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

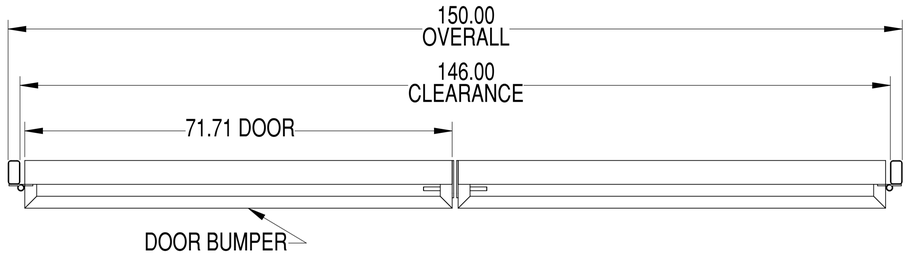
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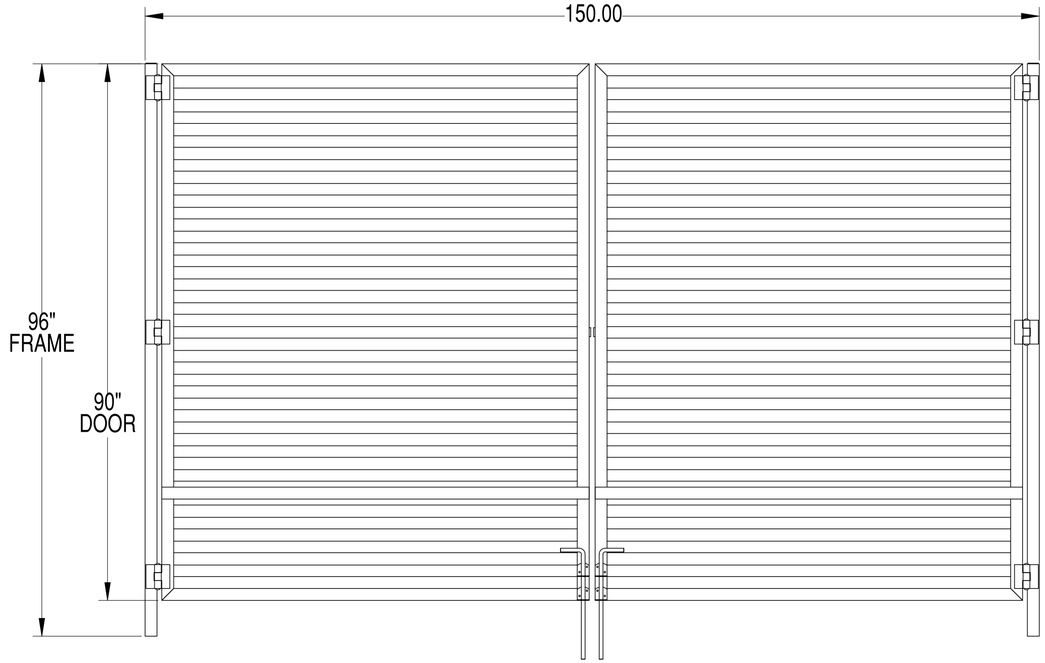
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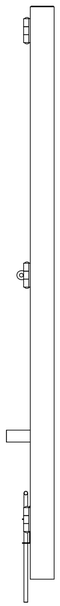
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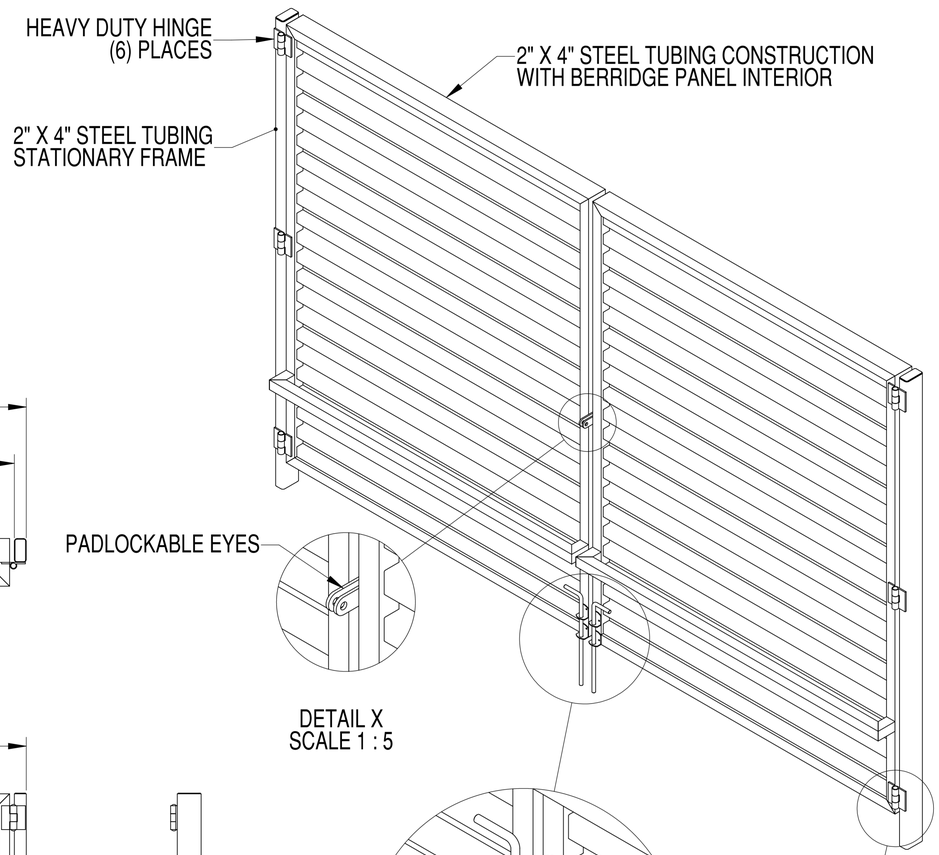
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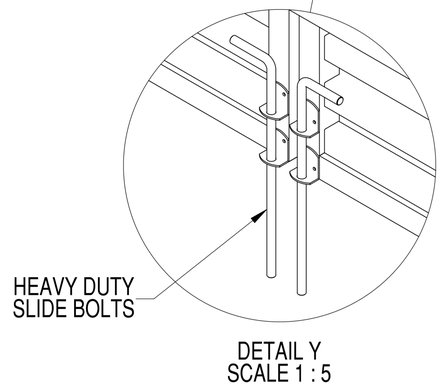
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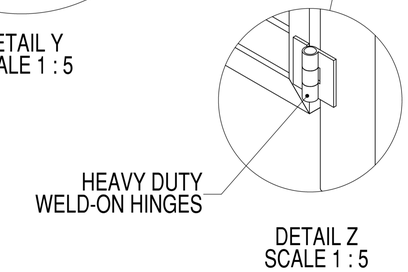












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Description

DUMPSTER GATE

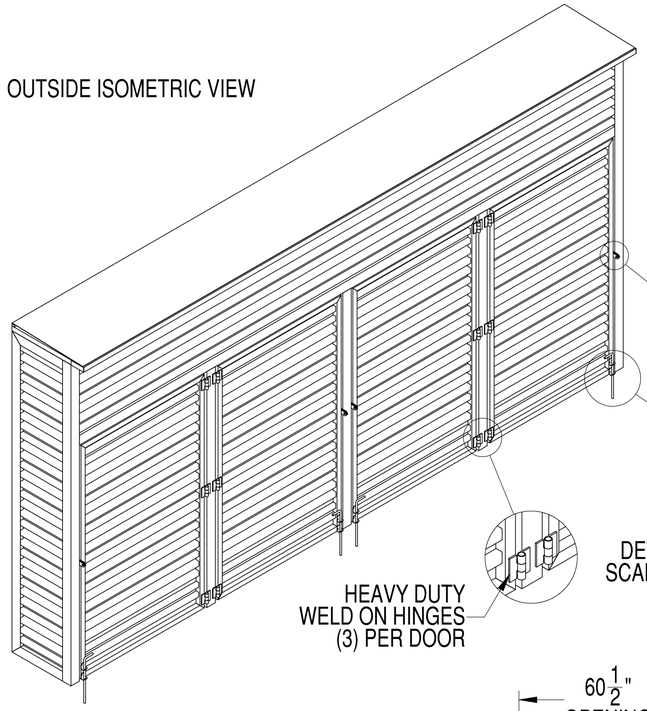
Scale

PF1.06

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OUTSIDE ISOMETRIC VIEW



BERRIDGE PANELS BR-12
COVERING SIDES OF ENCLOSURE

BUILDING CONNECTION (NOT SHOWN)
USE 1/2" X 6" LONG LAG SCREWS
THRU 1/4" BRACKETRY

ALUMINUM 2" X 4" X 1/8" FRAME SIDE

PADLOCKABLE EYES
(1) SET PER DOOR

DETAIL N
SCALE 1 : 10

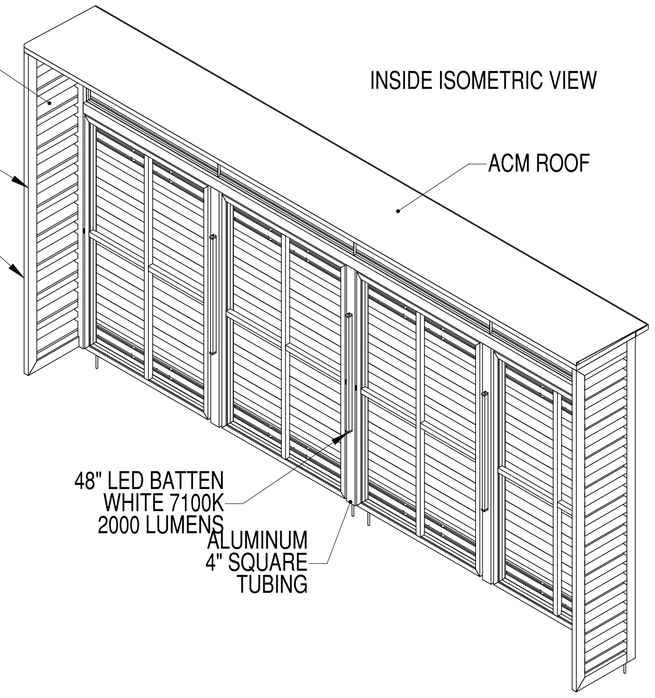
DETAIL P
SCALE 1 : 10

HEAVY DUTY SLIDE BOLT
(4) PLACES

DETAIL R
SCALE 1 : 10

HEAVY DUTY
WELD ON HINGES
(3) PER DOOR

INSIDE ISOMETRIC VIEW

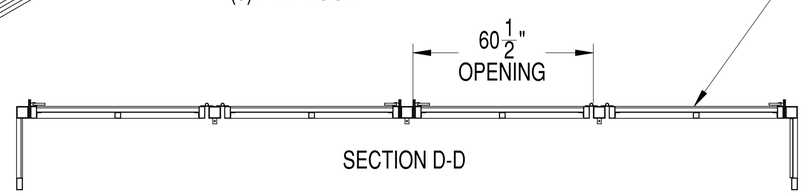


ACM ROOF

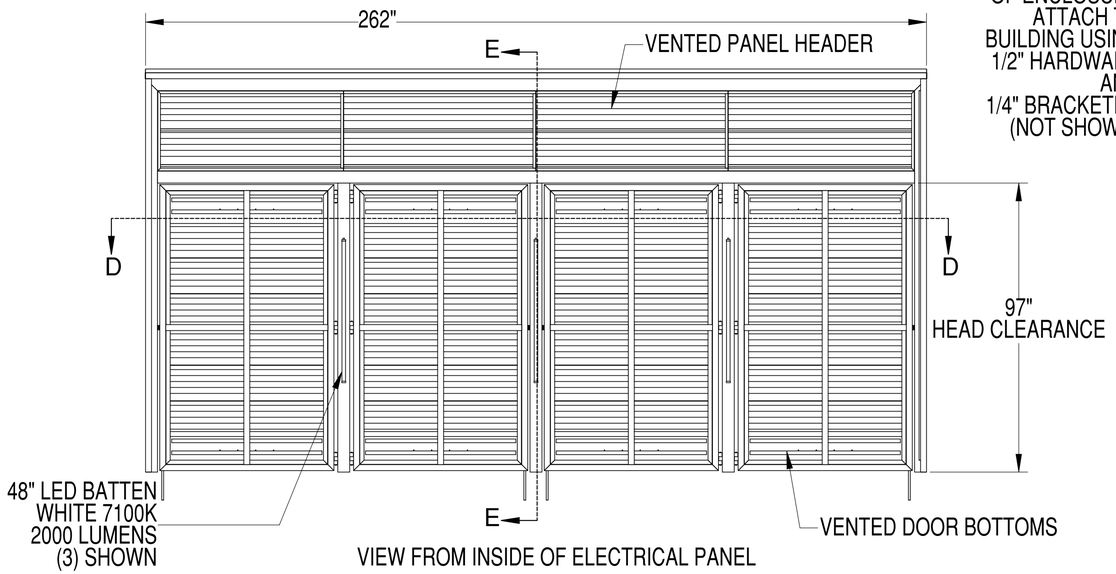
48" LED BATTEN
WHITE 7100K
2000 LUMENS

ALUMINUM
4" SQUARE
TUBING

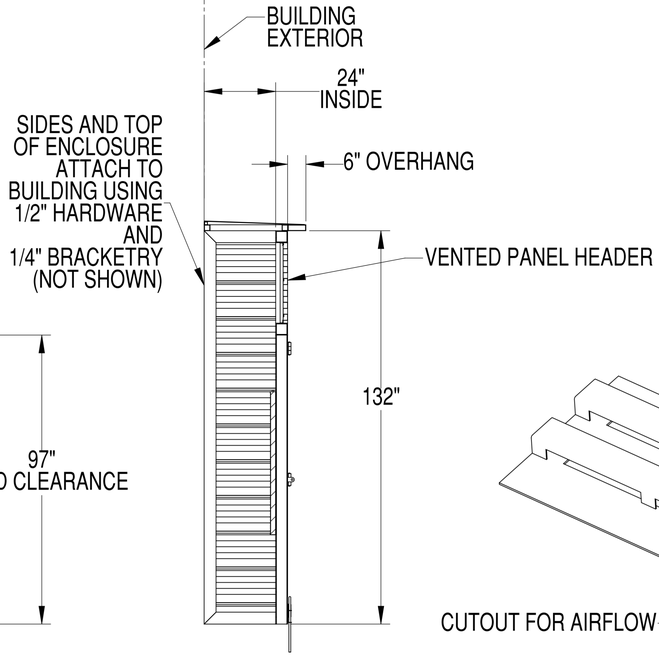
ALUMINUM 2" X 4" X 1/8" FRAME DOORS



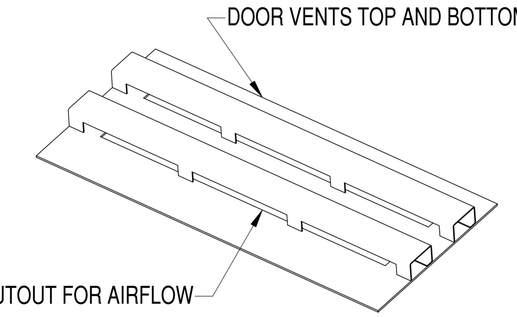
SECTION D-D



VIEW FROM INSIDE OF ELECTRICAL PANEL



SECTION E-E



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PAUL E. HAGLE
A2002001418
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Project Name PT22M

240 SW M150 HWY, LEE'S SUMMIT, MO 64081

Project Number

122.0088.470

Description

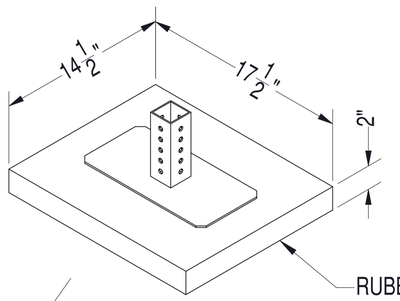
ELECTRICAL CABINET LAYOUT

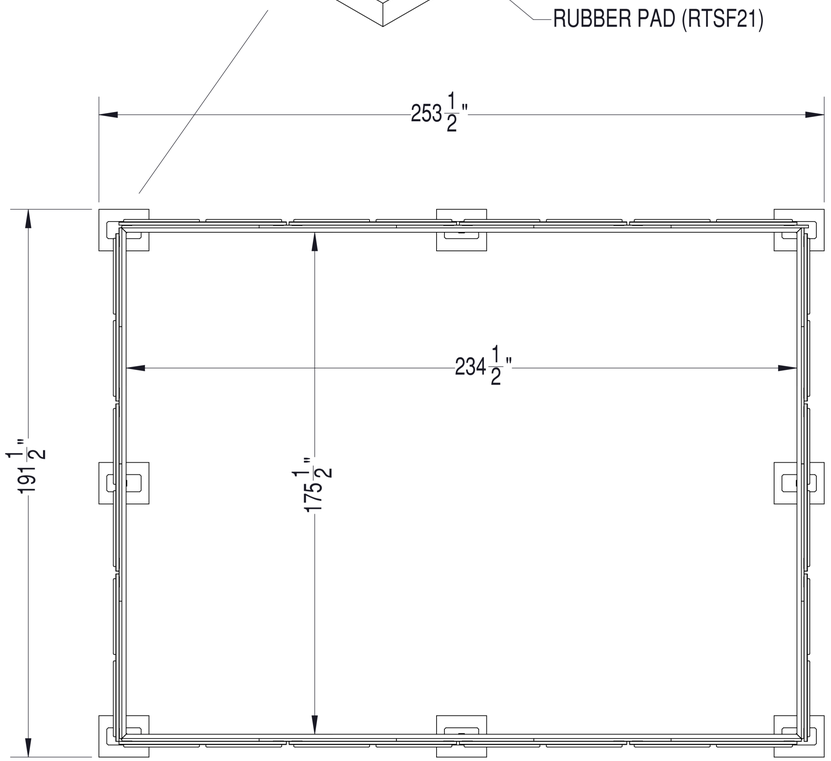
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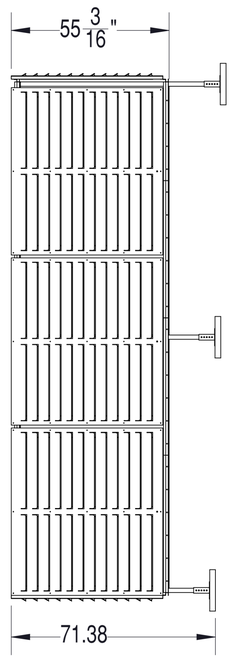
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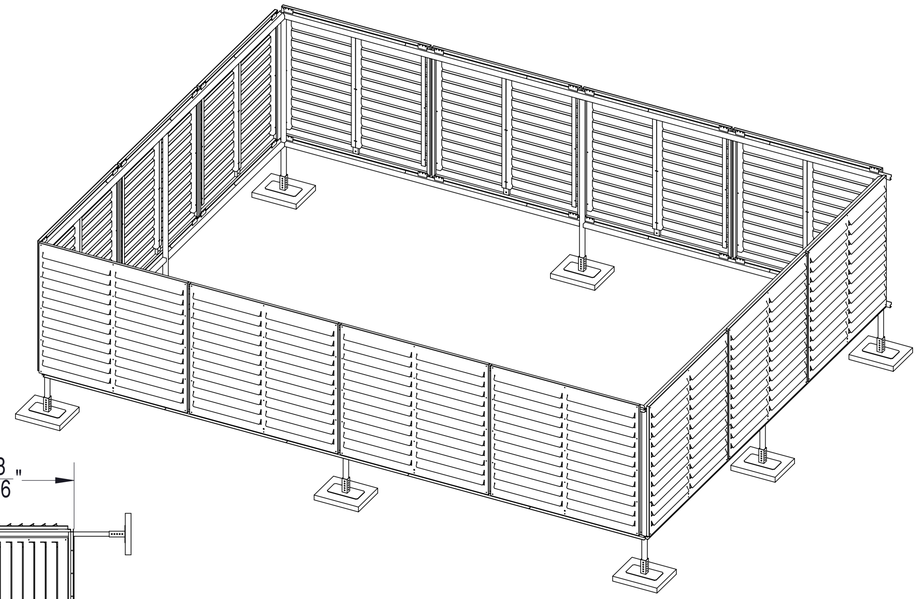
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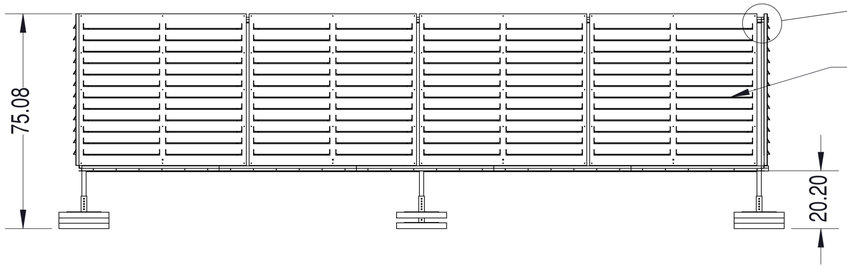




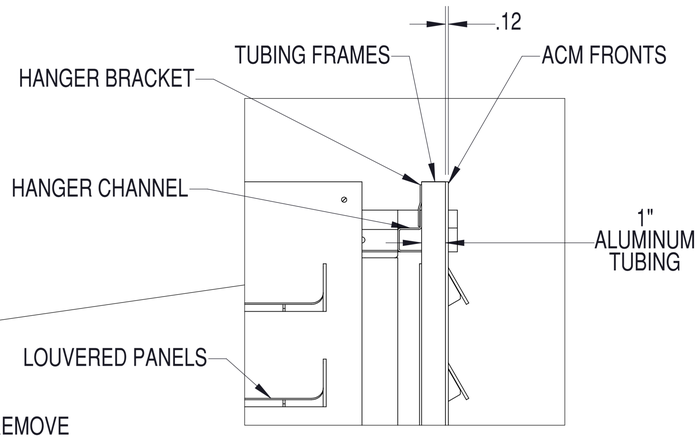




ENLOSURE SECURED TO ROOFTOP CURBS LOCATION T.B.D.



ALL PANELS CAN BE LIFTED OFF TO REMOVE



DETAIL F
SCALE 1 : 3

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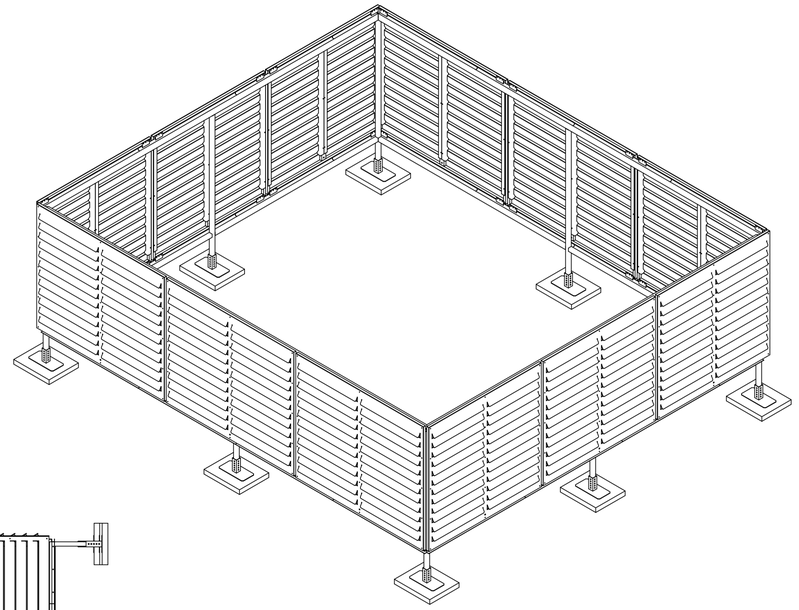
RTU SCREENING

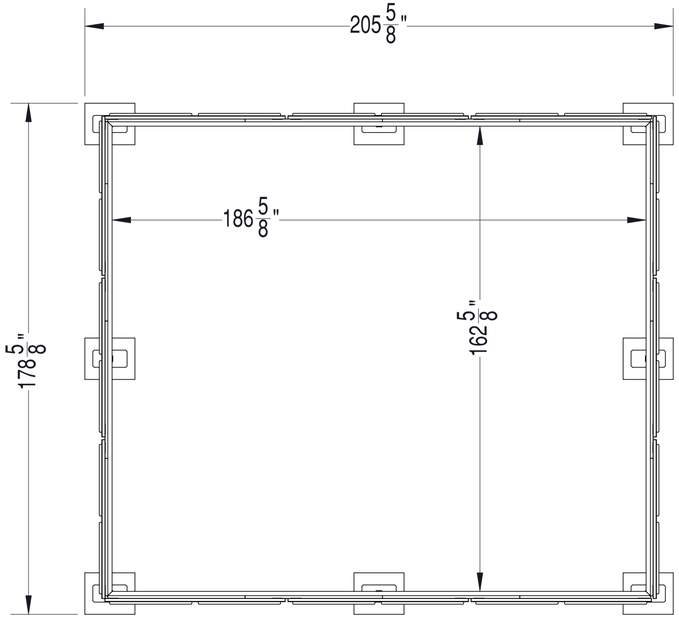
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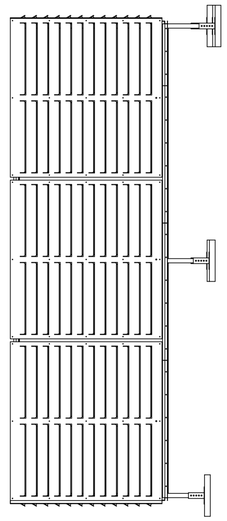
PF1.08

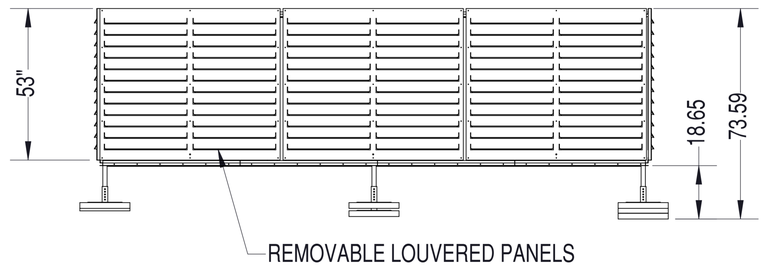
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RUBBER PAD AND HANGER DETAILS ON DRAWING PF1.08

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A2002001418
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Project Number

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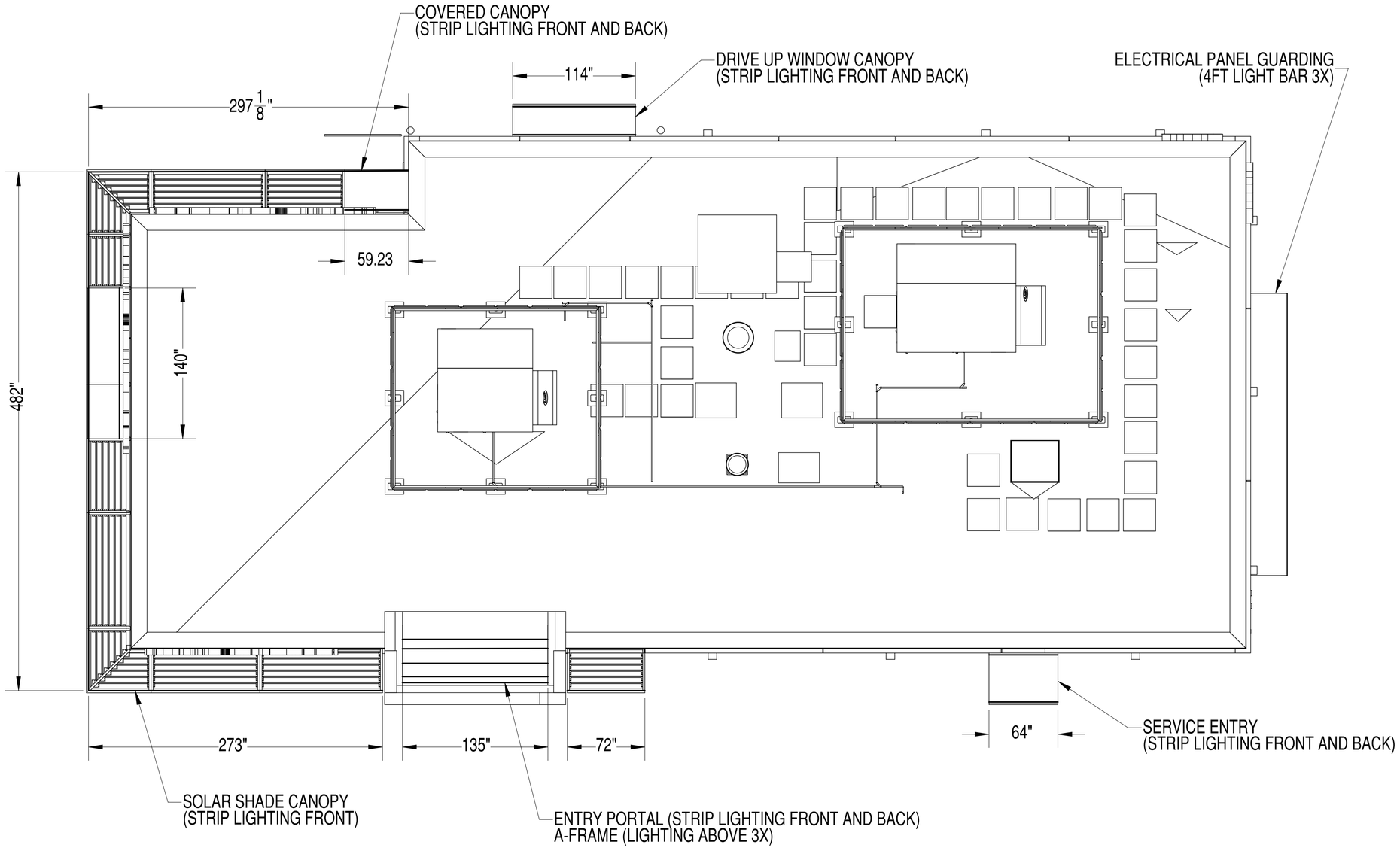
RTU SCREENING

Scale

PF1.09

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PT-22M Modular Element Electrical Power Schedule

Building Element	Description	Power Source	Total Load
Solar/Covered Exterior Building Canopy	Total 113 Ft White LED strip Lighting	(5) 120V AC - 100W 24V DC LED Power Supplies	5.5 AMPS
Drive-Up Canopy	(1) 4' long (2) Lamp T-8 LED Fixture	120V Line Voltage	0.4 Amps
Electrical Enclosure	(3) GE Batten 48" LED Light Fixtures	120V Line Voltage	0.45 Amps
Entry Portal	LED Lit Triple A Frame Element, Logo, Canopy Underlight LED Strip	(3) 120V AC - 100W 24V DC LED Power Supplies	3.3 Amps
Drive Up Canopy	(1) 4' long (2) Lamp T-8 LED Fixture (Each Canopy)	120V Line Voltage	0.8 Amps

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Description

LIGHTING LAYOUT

Scale

PF1.11

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