

III SE M291 HIGHWAY SUITE 100 LEES SUMMIT, MO 64081

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ARCHITECT



CURRAN

ARCHITECTURE 5719 LAWTON LOOP E. DR. #212 INDIANAPOLIS, IN 46216 O: 317.288.0681 CONTACT : SHAWN CURRAN FIREHOUSE SUBS LEES SUMMIT, MO Project # 190230 **SCOPE NOTES**

IN THE EVENT OF QUESTIONS REGARDING THE CONTRACT DOCUMENTS, SPECIFICATIONS, EXISTING CONDITIONS OR DESIGN INTENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ARCHITECT PRIOR TO BID SUBMITTAL AND PROCEEDING WITH ANY WORK IN QUESTION.

THESE CONTRACT DOCUMENTS ARE INTENDED TO DESCRIBE ONLY THE SCOPE AND APPEARANCE OF THE REAL PROPERTY IMPROVEMENTS, INCLUDING THE PERFORMANCE AND LEVEL OF QUALITY EXPECTED OF OF ITS COMPONENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSURE THAT ALL WORK COMPLETED AND MATERIALS INSTALLED BE IN FULL COMPLIANCE AT A MINIMUM, WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES HAVING JURISDICTIONAL AUTHORITY OVER THE PROJECT.

THESE CONTRACT DOCUMENTS DO NOT ATTEMPT TO INSTRUCT THE CONTRACTOR IN THE DETAILS OF HIS TRADE. THEY ARE PERFORMANCE SPECIFICATIONS IN THAT THEY DO REQUIRE THAT ALL MANUFACTURED ITEMS, MATERIALS AND EQUIPMENT BE INSTALLED IN STRICT CONFORMANCE TO THE MANUFACTURER'S RECOMMENDED SPECIFICATIONS, EXCEPT IN THE CASE WHERE THE CONTRACT DOCUMENTS ARE MORE STRINGENT. ANY MISCELLANEOUS ITEMS OR MATERIALS NOT SPECIFICALLY NOTED, BUT REQUIRED FOR PROPER INSTALLATION SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

ALL WORK SHALL BE WARRANTED SATISFACTORY, IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE (I) YEAR. OR FOR THE PERIOD OF WARRANTY CUSTOMARY, OR STIPULATED FOR THE TRADE, CRAFT, OR PRODUCT, WHICHEVER IS LONGER. ONLY COMPETENT MECHANICS CAPABLE OF PRODUCING GOOD WORKMANSHIP CUSTOMARY TO THE TRADE SHOULD BE USED. COMMENCING WORK BY A CONTRACTOR OR SUBCONTRACTOR CONSTITUTES ACCEPTANCE OF THE CONDITIONS AND SURFACES CONCERNED. IF ANY SUCH CONDITIONS ARE UNACCEPTABLE, THE GENERAL CONTRACTOR SHALL BE NOTIFIED IMMEDIATELY, AND NO WORK SHALL BE PERFORMED UNTIL THE CONDITIONS ARE CORRECTED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH THE PROJECT SCOPE OF WORK, BUILDING STANDARDS, SCHEDULE AND DEADLINES. THE CONTRACTOR SHALL FURTHER BE RESPONSIBLE FOR ADVISING THE OWNER OF ALL LONG LEAD ITEMS AFFECTING THE PROJECT SCHEDULE AND SHALL, UPON REQUEST FROM THE OWNER, SUBMIT ORDER CONFIRMATIONS AND DELIVERY DATES FOR SUCH LONG LEAD ITEMS TO THE OWNER.

ALL CONTRACTOR OR SUPPLIER REQUESTS FOR SUBSTITUTIONS OF SPECIFIED ITEMS SHALL BE SUBMITTED, IN WRITING, ACCOMPANIED BY THE ALTERNATIVE PRODUCT INFORMATION, TO THE ARCHITECT, NO LATER THAT TEN (10) BUSINESS DAYS, PRIOR TO BID OPENING DATE. SUBSTITUTIONS SHALL ONLY BE CONSIDERED IF THEY DO NOT SACRIFICE OUALITY, FUNCTIONALITY, APPEARANCE OR WARRANTY. UNDER NO CIRCUMSTANCES WILL THE OWNER BE REQUIRED TO PROVE THAT A PRODUCT PROPOSED FOR SUBSTITUTION IS OR IS NOT OF EQUAL QUALITY TO THE PRODUCT SPECIFIED. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR SCALE THE DRAWINGS TO DETERMINE DIMENSIONS. REFER TO PLANS, SECTIONS AND DETAILS FOR ALL DIMENSIONAL INFORMATION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ALL SELECTED MATERIALS WHICH SHALL BE COMPLETE IN ALL RESPECTS PRIOR TO THE FINAL ACCEPTANCE, UNLESS OTHERWISE NOTED.

THE CONTRACTOR SHALL PRESERVE ALL PRINTED INSTRUCTIONS AND WARRANTY INFORMATION THAT IS PROVIDED WITH EQUIPMENT OR MATERIALS USED, AND DELIVER SAID PRINTED MATTER TO THE OWNER AT THE TIME OF SUBSTANTIAL COMPLETION. THE CONTRACTOR SHALL INSTRUCT THE OWNER IN THE PROPER USE OF THE EQUIPMENT FURNISHED BY THEIR TRADE.

GENERAL CONTRACTOR SHALL PROVIDE A THOROUGH CONSTRUCTION CLEANING AT PROJECT CLOSE OUT, PRIOR TO PUNCH LIST WALK THROUGH.

THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL FABRICATED ITEMS, AND PHYSICAL SAMPLES OF ALL FINISH MATERIALS SPECIFIED TO THE ARCHITECT FOR REVIEW.

REVIEWED SHOP DRAWINGS AND SUBMITTALS BY OTHERS SHALL NOT BE CONSIDERED AS PART OF THE CONTRACT DOCUMENTS. THE ARCHITECT ASSUMES NO RESPONSIBILITY FOR DRAWINGS, SCHEDULES, AND/OR SPECIFICATIONS FOR WORK ON THE PROJECT PREPARED BY OTHERS.

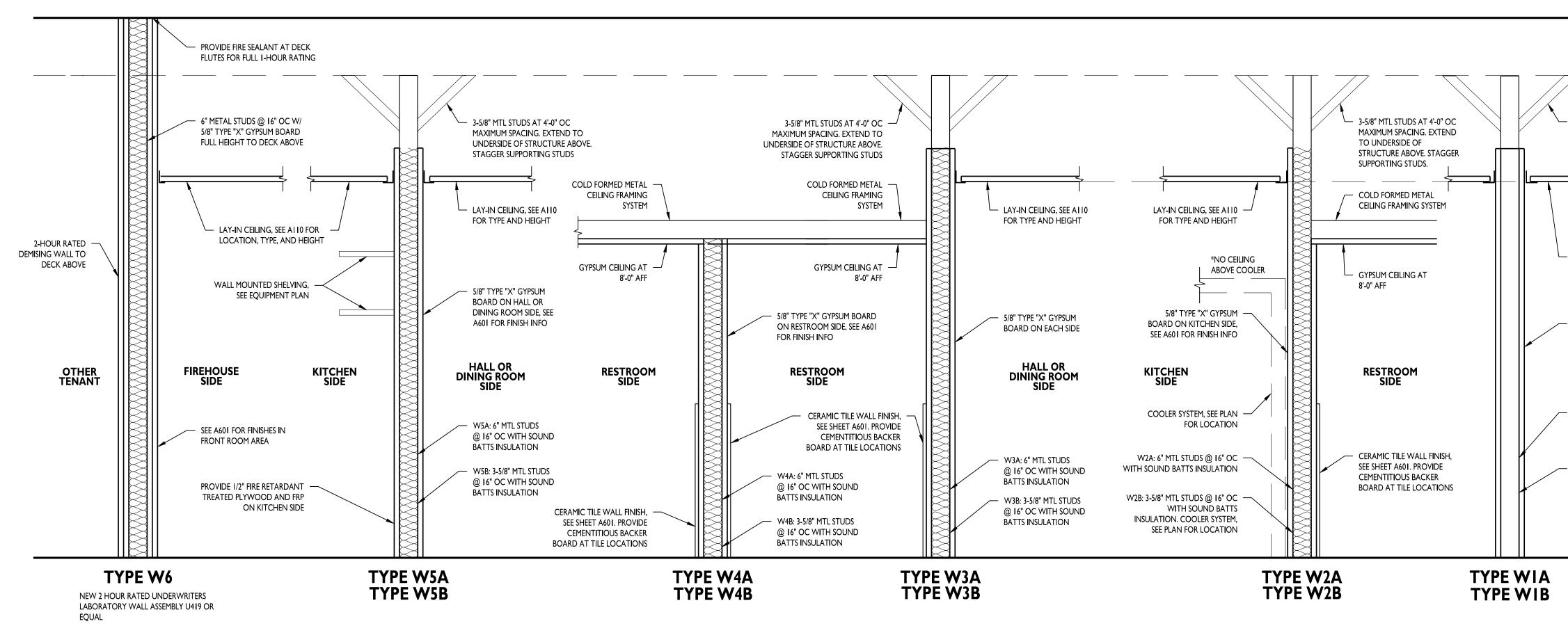
THE ARCHITECT WILL REVIEW ALL SHOP DRAWINGS, SUBMITTALS AND SAMPLES FOR CONFORMITY WITH THE CONTRACT DOCUMENTS AND RETURN THEM TO THE CONTRACTOR WITHIN SEVEN (7) WORKING DAYS EXCEPT AS MAY OTHERWISE BE PROVIDED FOR BY THE OWNER.

THE CONTRACTOR SHALL NOT REPRODUCE AND MARK UP ANY PART OF THE CONTRACT DOCUMENTS FOR SUBMITTAL AS A SHOP DRAWING. ANY SUCH SUBMITTAL WILL BE REIECTED.

ANY SUBMITTAL REQUIRED TO BE REVIEWED MORE THAN THE INITIAL REVIEW AND ONE (I) ADDITIONAL REVIEW, WILL BE CONSIDERED TO BE IN EXCESS OF THE SCOPE OF THE PROJECT. THE TIME REQUIRED FOR THIRD AND SUBSEQUENT REVIEWS OF A SUBMITTAL WILL BE PAID FOR BY THE CONTRACTOR TO THE ARCHITECT AT THE ARCHITECT'S STANDARD BILLING RATES, PLUS REIMBURSABLE EXPENSES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ANY EXISTING CONDITIONS AND ALL CRITICAL DIMENSIONS ASSOCIATED WITH THE PROPOSED WORK. THE CONTRACTOR SHALL CONFIRM THAT ALL WORK OUTLINED WITHIN THE CONTRACT DOCUMENTS CAN BE ACCOMPLISHED AS SHOWN, PRIOR TO BID OPENING. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY CONDITIONS ENCOUNTERED WHICH MAY AFFECT BUILDING CODE COMPLIANCE, LIFE SAFETY, ISSUANCE OF CERTIFICATE OF OCCUPANCY, OR COMPLETION OF THE PROJECT AS DIRECTED IN THE CONTRACT DOCUMENTS.

NO ADDITIONAL FUNDS WILL BE APPROVED FOR WORK OMITTED FROM THE CONTRACTOR'S BID DUE TO LACK OF VERIFICATION BY THE CONTRACTOR, EXCEPT AS OTHERWISE APPROVED BY THE OWNER FOR WORK ASSOCIATED WITH HIDDEN CONDITIONS WHICH ARE NOT ACCESSIBLE PRIOR TO CONSTRUCTION.



SYMBOLS LEGEND THIS SHEET.

B. PROVIDE DEEP LEG DEFLECTION TRACK AT TOP OF ABOVE.

CEMENT BOARD INSTEAD OF GYP BOARD BEHIND ALL TILE FINISHES.

ABBREVIATIONS

REFER TO PROJECT MANUAL (WHEN APPLICABLE) FOR ADDITIONAL REQUIREMENTS AND DIRECTIONS.

ALL INTERIOR FINISHES SHALL COMPLY WITH CHAPTER EIGHT (8) OF THE 2012 INTERNATIONAL BUILDING CODE WITH INDIANA AMENDMENTS.

LIGHT GAGE METAL STUDS; STUDS, THEIR COMPONENTS AND THEIR CONNECTIONS SHALL BE ENGINEERED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED. THE ENGINEER SHALL AFFIX THEIR SEAL AND SIGNATURE TO SHOP DRAWINGS AND CALCULATIONS SUBMITTED FOR REVIEW.

STEEL REQUIRED TO TRANSMIT GRAVITY AND/OR LATERAL LOADS TO THE STRUCTURE NOT DETAILED ON THE STRUCTURAL DRAWINGS IS THE RESPONSIBILITY OF THE METAL STUD SUPPLIER TO DESIGN, DETAIL, PROVIDE AND NSTALL.

METAL STUDS SHALL BE DESIGNED TO SUPPORT THE LOADS SHOWN IN THE DESIGN DATA IN ADDITION TO THE WEIGHT OF THE MATERIALS ATTACHED TO THE METAL STUDS. METAL STUDS SHALL BE DESIGNED USING THE LOAD COMBINATIONS IN SECTION 1605.3.1 OF THE INTERNATIONAL BUILDING CODE, 2012 EDITION. NO INCREASE IN ALLOWABLE STRESS IS ALLOWED.

DEFLECTION DUE TO LATERAL LOAD SHALL BE LIMITED TO L OF THE STUD SPAN. FOR CANTILEVERS, THE DEFLECTION DUE TO LATERAL LOAD AT THE END OF THE CANTILEVER SHALL BE LIMITED TO $\frac{1}{180}$ OF THE CANTILEVER DIMENSION.

METAL STUD MANUFACTURER SHALL DETERMINE FINAL LAYOUT AND GAUGE OF STUDS TO MEET THE ARCHITECTURAL AND STRUCTURAL REQUIREMENTS.

WHERE ROUGH CARPENTRY IS IN CONTACT WITH THE GROUND, EXPOSED TO WEATHER OR IN AREAS OF HIGH RELATIVE HUMIDITY PROVIDE FASTENERS AND ANCHORAGES WITH A HOT DIP ZINC COATING OF G90 COMPLYING WITH ASTM A153 OR PROVIDE FASTENERS AND ANCHORAGES OF TYPE 304 STAINLESS STEEL.

ALL WOOD SHEATHING TO BE FIRE TREATED UNLESS NOTED OTHERWISE.

ACT	ACOUSTICAL CEILING TILE	FIN	FINISH
ADDL	ADDITIONAL	FLR	FLOOR
AFF	ABOVE FINISHED FLOOR	FR	FIRE RETARDANT
ALUM	ALUMINUM	FT	FEET
ANOD	ANODIZED	GA	GAUGE
APP	APPROXIMATE	GB	GRAB BAR
ARCH	ARCHITECT	GC	GENERAL CONTRACTOR
AWT	ACOUSTICAL WALL TREATMENT	GYP BD	GYPSUM BOARD
BLDG	BUILDING	HDWR	HARDWARE
BLKG	BLOCKING	HGT	HEIGHT
B.O.	BOTTOM OF	HM	HOLLOW METAL
BOT	воттом	HORIZ	HORIZONTAL
BRG	BEARING	HP	HIGH POINT
CAB	CABINET	HVAC	HEATING, VENTILATING, AIR CONDITIONING
Слы Сј	CONTROL JOINT	HW	HOT WATER
CL	CENTER LINE	INSUL	INSULATION
CLR	CLEAR	JAN	JANITOR
CMU	CONCRETE MASONRY UNIT	JST	JOIST
CONST	CONSTRUCTION	JT	JOINT
COL	COLUMN	,. KD	KNOCKDOWN
	CONCRETE	KIT	KITCHEN
CONT	CONTINUOUS	LAM	LAMINATE
CPT	CARPET	LAV	LAVATORY
CT	CERAMIC TILE		LONG LEG HORIZONTAL
CW	COLD WATER	LLV	LONG LEG VERTICAL
DET, DTL	DETAIL	MAS	MASONRY
DF		MAT	MATERIAL
DIA	DIAMETER	MAX	MAXIMUM
DIM	DIMENSION	MB	MARKER BOARD
DWG(S)	DRAWING(S)	MECH	MECHANICAL
EA	EACH	MEZZ	MEZZANINE
EC	EXPOSED CEILING	MFR	MANUFACTURER
EIFS	EXTERIOR INSULATION FINISH SYSTEM	MIN	MINIMUM
EJ	EXPANSION JOINT	MO	MASONRY OPENING
EL	ELEVATION	MTL	METAL
ENG	ENGINEER	NIC	NOT IN CONTRACT
EQ	EQUAL	OC	ON CENTER
EQUIP	EQUIPMENT	OD	
EXIST	EXISTING	OH	OPPOSITE HAND
EXP	EXPANSION	OPNG	OPENING
EXT	EXTERIOR	OPP	OPPOSITE
FD	FLOOR DRAIN	ОТО	OUT TO OUT
FE	FIRE EXTINGUISHER	PLAS LAM	PLASTIC LAMINATE
FEC	FIRE EXTINGUISHER CABINET	PLWD	PLYWOOD

WALL TYPE GENERAL NOTES

- A. NOTE: WALL HEIGHT AS MARKED ON PLANS IN CONJUNCTION WITH WALL TYPE SYMBOL WILL SUPERCEDE WALL HEIGHTS AS SHOWN ABOVE. SEE
- ALL METAL STUD WALLS WHERE STUDS EXTEND TO UNDERSIDE OF ROOF DECK OR STRUCTURE
- C. USE MOLD AND MILDEW RESISTANT GYPSUM WALLBOARD ON ALL PLUMBING WALLS. USE 5/8"
- D. BRACE METAL STUD WALLS TO TOP OF STRUCTURAL STEEL ELEMENTS-ABOVE CEILING PLANE. COORDINATE REQUIRED BRACE SPACING WITH STRUCTURAL ENGINEER PRIOR TO BEGINNING CONSTRUCTION.
- REFER TO ROOM FINISH SCHEDULE FOR ALL FINISH SELECTIONS; CEILING TYPES AND HEIGHTS; AND TYPES, SIZES AND LOCATIONS ETC.
- F. ALL STUD WALLS CREATING A CONCEALED WALL SPACE TO HAVE FIREBLOCKING AT INTERVALS NOT EXCEEDING 10'-0" PER 718.2.2 IBC 2012

	PROJECTION SCREEN
-	QUARRY TILE
	RISER
	RETURN AIR
	RESILIENT BASE
F	REFERENCE
FR	REFRIGERATOR
QD	REQUIRED
)	ROUGH OPENING
	SUPPLY AIR
HED	SCHEDULE
MD	SOLID CORE METAL DOOR
WD	SOLID CORE WOOD DOOR
2	SECTION
	SQUARE FOOT
1	SIMILAR
CS	SPECIFICATIONS
	SQUARE
	STAINLESS STEEL
D	STANDARD
L	STEEL
OR	STORAGE
RUCT	STRUCTURAL
SP	SUSPENDED
	TACK BOARD
L	TELEPHONE
т	TOILET
) .	TOP OF
TD	TREATED
	TELEVISION
Р	TYPICAL
10	UNLESS NOTED OTHERWISE
	URINAL
T	VINYL COMPOSITION TILE
RT	VERTICAL
	VERIFY IN FIELD
	VINYL TILE
1	WITH
0	WITHOUT
В	wood base
С	WATER CLOSET
D	WOOD
Н	WATER HEATER
Р	WORKING POINT

UNDERSIDE OF ROOF DECK

B.O. STRUCTURE

3-5/8" MTL STUDS AT 4'-0" OC MAXIMUM SPACING. EXTEND TO UNDERSIDE OF STRUCTURE ABOVE. STAGGER SUPPORTING STUDS.

> **CEILING LINE** SEE REFLECTED CEILING PLAN FOR HEIGHT.

- LAY-IN CEILING, SEE AT 10 FOR TYPE AND HEIGHT.

- 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE. AT KITCHEN WALLS, PROVIDE 5/8" FIRE RETARDANT TREATED PLYWOOD AND FRP AT MOP SINK, PROVIDE TILE BACKER BOARD BEHIND WALL TILE LOCATIONS

WIA: 6" MTL STUDS @ 16" OC

WIB: 3-5/8" MTL STUDS @ 16" OC

FIN FLOOR



KEYED NOTE

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(#)

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ROOM NAME

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0 0

WINDOW OR GLAZED OPENING TAG IF WINDOW - W# IF STOREFRONT - SF# IF CURTAINWALL - CW#

ACCESSORY TAG

EQUIPMENT TAG

FINISH TAG

ROOM TAG

ELEVATION TAG - INTERIOR OR EXTERIOR

SECTION CUT AT AREAS SHOWN SMALL SCALE

ENLARGED PLAN

ELEVATION TARGET. FINISHED FLOOR = 0'-0" UNO

REVISION

X/XXX

PLAN OR TRUE NORTH

BATT INSULATION - WIDTH OF FRAMING UNO

FIRE EXTINGUISHER IN SEMI-RECESSED CABINET PROVIDED / INSTALLED BY GC

SURFACE MOUNTED FIRE EXTINGUISHER PROVIDED / INSTALLED BY GC

DOOR WITH DOOR NUMBER

WINDOW OR GLAZED OPENING

STUD FRAMED WALL - REFER TO INDEX SHEET FOR INFORMATION CMU WALL - REFER TO SECTIONS AND DETAILS

BRICK WALL - REFER TO SECTIONS AND DETAILS EIFS OVER SUBSTRATE - REFER TO SECTIONS FOR

EXISTING DOOR - REFER TO DOOR SCHEDULE

EXISTING FRAMED WALL

EXISTING WINDOW WITH SILL AND / OR STOOL

DEMO'D WALL

WALL HEIGHT IF DESIGNATED ON PLANS. IF NOT,

ARCHITECTURAL

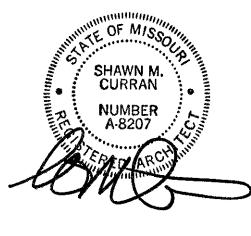
A00 I INDEX A002 TYPICAL ACCESSIBILITY DETAILS A003 CONTRACTOR NOTES DIO DEMOLITION PLAN A100 LIFE SAFETY PLAN FLOOR PLAN & ENLARGED RESTROOM PLAN AII0 REFLECTED CEILING PLAN A130 EQUIPMENT PLAN A210 **INTERIOR ELEVATIONS & DETAILS** A211 **INTERIOR ELEVATIONS & DETAILS** A212 **INTERIOR ELEVATIONS & DETAILS** A601 DOOR & FINISH SCHEDULE A801 FLOOR FINISH PLAN

MECHANICAL

- MECHANICAL LEGEND AND NOTES M-001
- M-002 MECHANICAL SPECIFICATIONS AND NOTES M-003 MECHANICAL SCHEDULES
- M-004 MECHANICAL DETAILS
- M-005 MECHANICAL ENERGY COMPLIANCE M-006 MECHANICAL ENERGY COMPLIANCE
- MIOI MECHANICAL PLAN
- P-001 PLUMBING NOTES
- P-002 PLUMBING SPECIFICATIONS P-003 PLUMBING SCHEDULES
- P-004 PLUMBING DETAILS
- P-101 PLUMBING FLOOR PLAN WASTE AND VENT PLUMBING FLOOR PLAN WATER AND GAS
- P-201 E1.0 POWER PLAN
- EI.I LIGHTING PLAN
- E2.0 ELECTRICAL NOTES AND PARTIAL ROOF PLAN
- E3.0 ELECTRICAL SCHEDULE E4.0 ELECTRICAL COMPLIANCE



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CERTIFICATION

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SUBS

FIREHOUSE SUBS III SE M29I HWY STE. 100 LEES SUMMIT, MO 64081

ISSUE	DATE
BID SET	11/13/20

190230 INDEX



WIDTH AND PROFILE _____ - - - -DEMO'D DOOR = = =

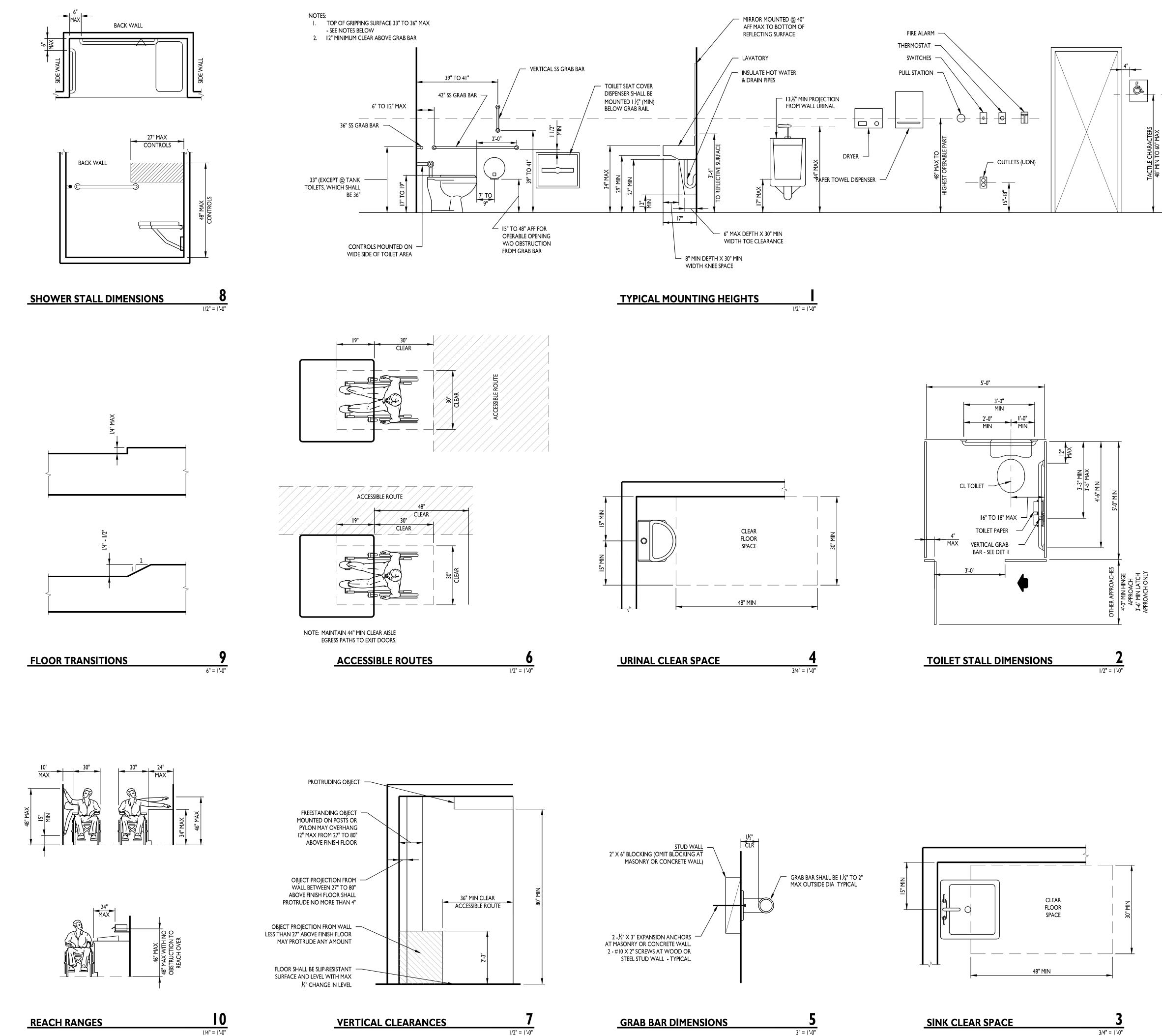
WALL TYPE

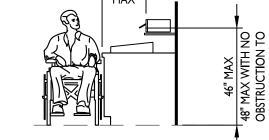
COVER

A10

SEE WALL TYPES THIS SHEET

DRAWINGS







TYPICAL ADA INFO

WATER CLOSET: WATER CLOSETS SHALL BE 17" TO 19" AFF WHEN MEASURED TO THE TOP OF THE TOILET SEAT AND THE CENTER FOR THE FIXTURE SHALL BE 18" FROM ONE WALL WITH A CLEAR FLOOR SPACE OF 60" WIDE AND 59" DEEP FOR FLOOR MOUNT AND 56" DEEP FOR WALL MOUNT. FLUSH CONTROLS SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET.

SINK: SINK SHALL BE MOUNTED WITH THE RIM OR COUNTER NO HIGHER THAN 34" AFF PROVIDE A CLEARANCE OF AT LEAST 29" TO THE BOTTOM OF THE APRON WITH AN 8"X27" KNEE SPACE AND 6"X9" TOE SPACE. EXPOSED HOT WATER AND DRAIN PIPES UNDER SINKS SHALL BE INSULATED. FAUCETS SHALL BE LEVER-OPERATED, PUSH-TYPE AND MOTION SENSOR.

URINALS: URINALS SHALL BE STALL-TYPE OR WALL HUNG WITH THE RIM AT A MAXIMUM OF 17" AFF AND A 30" X 48" CLEAR FLOOR SPACE.

<u>GRAB BARS</u>: GRAB BARS SHALL BE 33" TO 36" AFF THE GRAB BAR BEHIND THE WATER CLOSET SHALL BE 36" LONG AND NO MORE THAN 6" OF OF THE SIDE WALL. THE SIDE WALL GRAB BAR SHALL BE 42" LONG AND 12" OFF THE BACK WALL.

MIRROR: MIRRORS SHALL BE MOUNTED SO THE BOTTOM OF THE REFLECTING SURFACE IS NO MORE THAN 40" AFF.

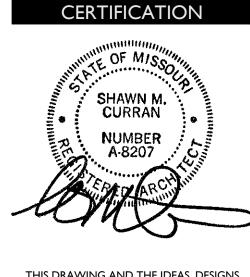
PAPER TOWEL/DRYER: PAPER TOWEL/ DRYERS SHALL BE MOUNTED NO HIGHER THAN 48" AFF.

SOAP DISPENSER: SOAP DISPENSERS SHALL BE MOUNTED NO HIGHER THAN 48" AFF.

TOILET PAPER: TOILET PAPER DISPENSERS SHALL BE INSTALLED WITHIN 36" MAX OF THE BACK WALL.



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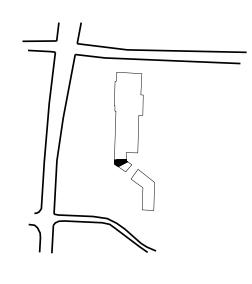


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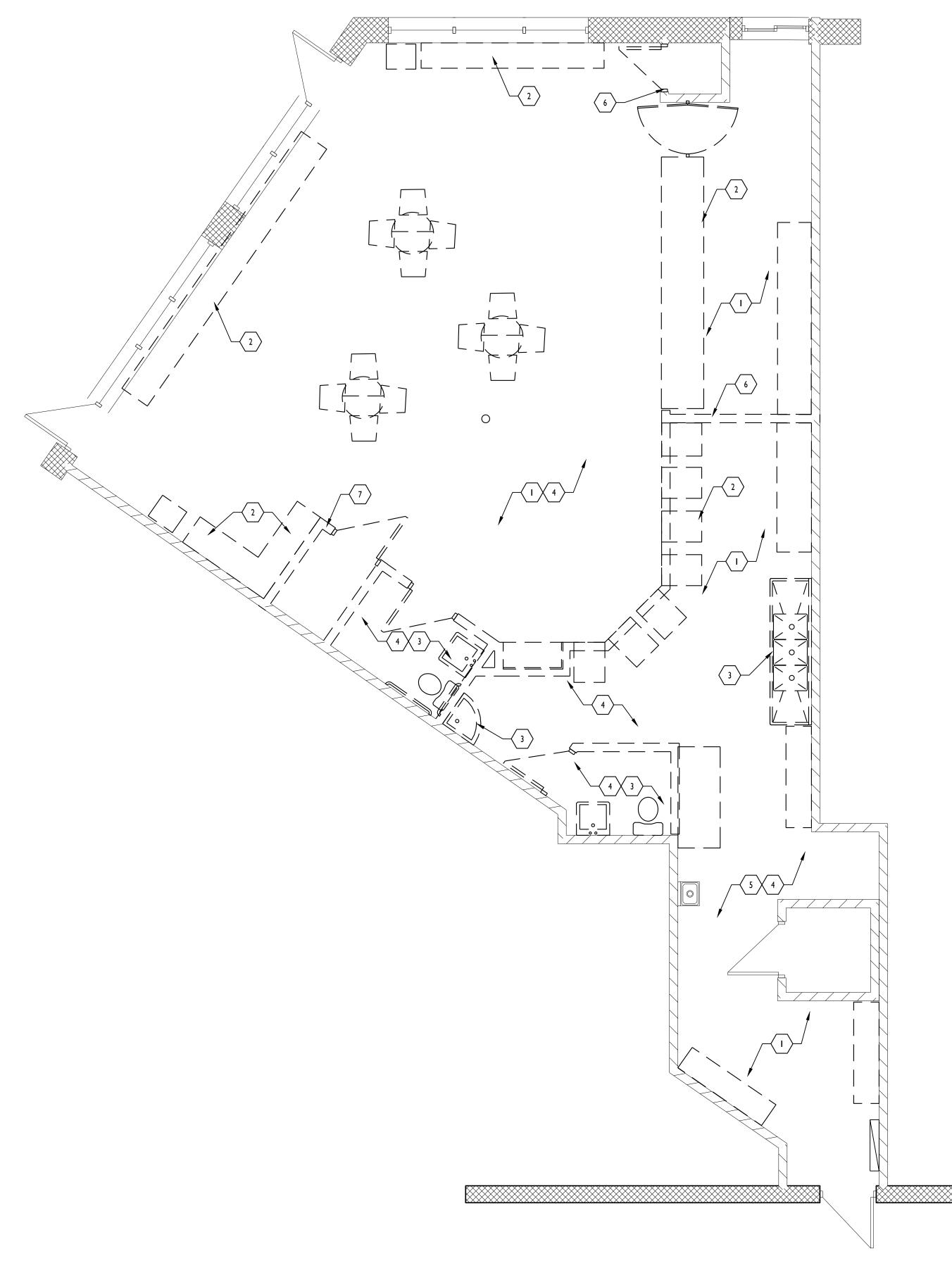
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190230 TYPICAL ACCESSIBILITY DETAILS







GENERAL DEMO NOTES

- A. DASHED LINES INDICATE EXISTING ITEMS TO BE REMOVED. UNLESS NOTED OTHERWISE CONTRACTOR SHALL BE RESPONSIBLE FOR THE OFF-SITE DISPOSAL OF ALL DEMOLITION ITEMS.
- B. RELOCATED ITEMS SHALL BE CLEANED AND PLACED IN STORAGE, PER OWNERS DIRECTIONS UNTIL ITEMS ARE READY TO BE REINSTALLED. IF ITEM IS DAMAGED DURING DEMOLITION OR RELOCATION IT SHALL BE REPAIRED OR REPLACED WITH NEW ITEM AS APPROVED BY OWNER AT NO EXPENSE TO OWNER.
- C. DEMOLITION SHALL BE DONE WITHOUT DAMAGE TO EXISTING CONSTRUCTION TO REMAIN. WHERE SUCH DAMAGE OCCURS PATCH, REPAIR, OR RESTORE WALLS, FLOORS, CEILINGS, ETC., TO MATCH EXISTING. PROVIDE SHORING, BRACING, OR SUPPORT AS REQUIRED TO PREVENT MOVEMENT OR SETTLEMENT OF EXISTING CONSTRUCTION.
- D. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF DEMOLITION ITEMS WITH THE OTHER TRADES PRIOR TO THE START OF DEMO WORK.
- E. REMOVE ALL EXISTING CONSTRUCTION, ITEMS AND FINISHES MADE OBSOLETE BY, OR IN CONFLICT WITH NEW CONSTRUCTION, VERIFY WITH ARCHITECT. REMOVE WIRING BACK TO SOURCE AT ALL OUTLETS ETC., MADE OBSOLETE BY WALL REMOVAL OR ANY OTHER NEW CONSTRUCTION.
- F. WHERE EXISTING WALLS, BULKHEADS, OR FINISHES ARE REMOVED OR PARTIALLY DEMOLISHED, EACH TRADE SHALL BE RESPONSIBLE FOR PATCHING OR REFINISHING OF EXISTING CONSTRUCTION REQUIRED BY THAT TRADES WORK ON THIS PROJECT. THIS WORK MUST BE DONE IN A MANNER WHICH WILL ACCEPT NEW FINISHES.
- G. ALL CONTRACTORS ARE RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF CEILING GRID AND/OR TILES IN ANY AREA WHERE THEY NEED ACCESS AND THE EXISTING CEILING IS TO REMAIN. UNLESS OTHERWISE NOTED, CONTRACTOR SHALL REPLACE ANY CEILING TILES OR GRID DAMAGED IN THIS PROCESS.
- H. AT THE OWNER'S REQUEST SALVAGED ITEMS SHALL BE TURNED OVER TO THE OWNER OR STORED IN AN AREA DESIGNATED BY THE OWNER.
- I. DIMENSIONS SHOWN FOR EXISTING CONSTRUCTION TO BE DEMOLISHED ARE APPROXIMATE AND ARE INTENDED TO GIVE A GENERAL IDEA OF WORK TO BE REMOVED OR WORK TO BE TEMPORARILY REMOVED IN ORDER TO COMPLETE NEW CONSTRUCTION. COORDINATE DEMOLITION WORK WITH DESIGN INTENT OF NEW CONSTRUCTION TO PROVIDE ADEQUATE AREA FOR THIS WORK.
- J. CONTRACTOR MUST FIELD VERIFY ALL AREAS AND/OR WORK TO BE DEMOLISHED PRIOR TO BEGINNING WORK. CONTRACTOR MUST COORDINATE WITH ARCHITECT ANY DIFFERENCES BETWEEN FIELD VERIFIED CONDITIONS AND/OR CONSTRUCTION, AND WHAT IS SHOWN ON DEMOLITION DRAWINGS.
- K. PRIOR TO BEGINNING DEMOLITION, DUST CONTROL BARRIERS SHALL BE CONSTRUCTED TO PREVENT THE SPREAD OF DUST INTO SURROUNDING AREAS.
- L. EXITING FROM STRUCTURE, IF REQUIRED TO PASS THROUGH DEMOLITION AREA(S), SHALL HAVE APPROVED BARRIERS ETC., TO INSURE SAFETY OF PUBLIC.
- M. WHEN APPLICABLE, REFER TO STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DEMO DRAWINGS FOR ADDITIONAL DEMOLITION REQUIREMENTS AND INFORMATION.
- N. REMOVE AND REINSTALL ALL EQUIPMENT OR CONSTRUCTION ON WALLS REQUIRING NEW FINISHES.
- O. REFINISH ENTIRE SURFACES AS NECESSARY TO PROVIDE AN EVEN FINISH. REFINISH ENTIRE ASSEMBLIES. CONTINUOUS SURFACES WILL BE TAKEN TO THE NEAREST INTERSECTION.
- P. REMOVE ALL DIRT, DUST, DEBRIS ETC., DAILY. DO NOT ALLOW REFUSE TO BLOCK CORRIDORS, STAIRS, OR ANY OTHER TRAFFIC AREA.
- Q. ALL ABANDONED PLUMBING LINES TO BE CAPPED OFF AND TERMINATED BELOW FINISH FLOOR.

KEYED NOTES

- I. DEMO CEILING AND BULKHEADS.
- 2. REMOVE EXISTING CABINET/ CASEWORK/ COUNTERS.
- 3. REMOVE EXISTING PLUMBING FIXTURES, CAP ALL LINES BELOW FLOOR.
- 4. REMOVE ALL CEILING, WALLS, FLOOR FINISHES THROUGHOUT.
- 5. REMOVE FLOOR FINISHES AND WALL FINISHES THROUGHOUT, PATCH AND REPAIR WALLS AS REQUIRED, TYPICAL ALL WALLS.
- 6. REMOVE EXISTING WALL & DOOR



CURRAN ARCHITECTURE 5719 LAWTON LOOP E. DR. #212

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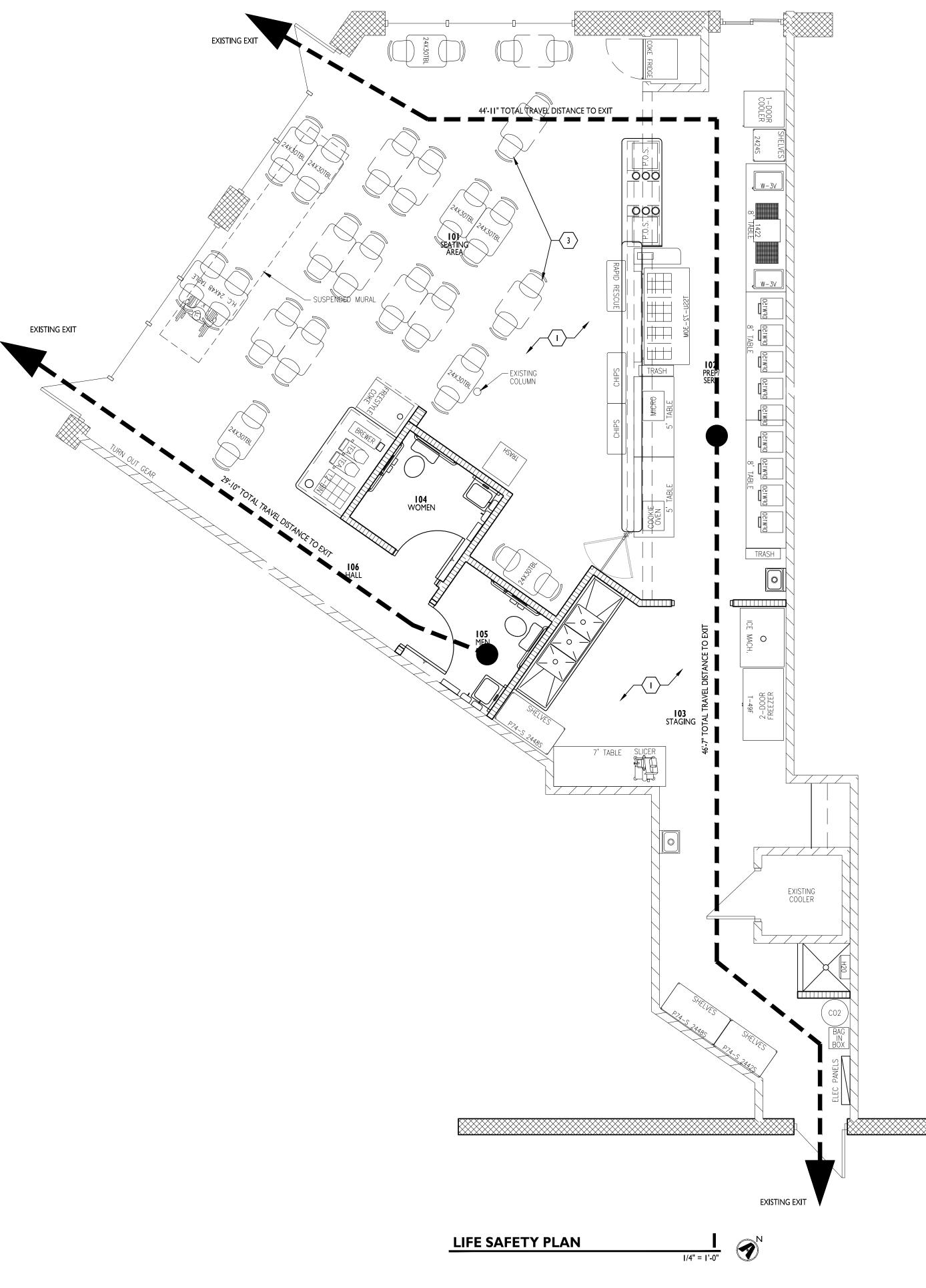
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NORTH

190230 DEMOLITION PLAN





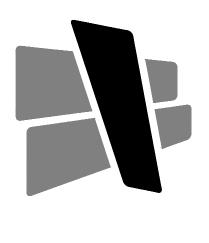
- **KEYED NOTES**
- I. SEE REFLECTED CEILING PLAN, SHEET ATT0, FOR EXIT SIGN LOCATIONS AND EMERGENCY LIGHTING. CONFIRM FINAL LOCATION WITH LOCAL OFFICIAL.
- 2. SEE SHEET A601 FOR DOOR AND LATCH INFORMATION.
- 3. TABLES SHOWN FOR SOCIAL DISTANCING PURPOSES, TABLES THAT ARE SUGGESTED CAN BE ADDED BACK ONCE SOCIAL DISTANCING IS NOT LONGER REQUIRED IN RESTAURANT SEATING



75'

APPLICABLE CODES BUILDING CODE

BUILDING CODE	
2018 INTERNATIONAL BUILDING CODE	
2018 INTERNATIONAL PLUMBING CODE	
2018 INTERNATIONAL MECHANICAL CODE	
2018 INTERNATIONAL FUEL AND GAS CODE	
2018 INTERNATIONAL FIRE CODE	
2017 NATIONAL ELECTRICAL CODE	
ICC/ANSI ATT7.1-2009, ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES	
OCCUPANCY (OVERALL BUILDING) CLASSIFICATION (302.1):	A-2, B, M
OCCUPANCY (TENANT SPACE) CLASSIFICATION (302.1):	
ACCESSORY USES (508.2.1):	A-2 N/A
NON-SEPARATED USES (508.3.2):	N/A
SEPARATED USES (508.3.3):	N/A
CONSTRUCTION	
CLASSIFICATION (602)	II-B
AUTOMATIC SPRINKLER SYSTEM	
SPRINKLER SYSTEM REQUIRED (903):	YES
SPRINKLER SYSTEM PROVIDED:	YES
ALLOWABLE BUILDING HEIGHT	
TABULAR HEIGHT (503):	40'
ALLOWABLE BUILDING AREA	
TABULAR AREA (503):	9,500
	.,
BUILDING AREA INCREASE	
INCREASE FOR SPRINKLERED BUILDING (506.3):	300%
UNLIMITED AREA (507):	N/A
FRONTAGE INCREASE (506.2):	N/A
$If = (F/P25) \times W / 30$	
TOTAL ALLOWABLE AREA WITH INCREASES:	28,500
$Aa = At + (At \times If) + (At \times Is)$ $Aa = FILL IN$	
ACTUAL BUILDING HEIGHT AND AREA	
BUILDING AREA:	EXISTING
BUILDING HEIGHT (FEET / # FLOORS):	23' / I STORY
TABULAR OCCUPANT LOAD (1004.1.2)	
OCCUPANT LOAD FACTOR:	I / 15
ACTUAL OCCUPANT LOAD (1004.1.2)	
RESTAURANT: I / I5 (763 SF/I5)	51
KITCHEN: I / 200 (646 SF/200)	4
TOTAL OCCUPANTS:	55
INTERIOR WALL AND CEILING FINISH REQUIREMENT	S (803)
SEE FINISH SCHEDULE FOR MATERIALS	- (000)
ALL MATERIALS ARE CLASS A RATED	
FIRE PROTECTION SYSTEMS	
STANDPIPE SYSTEM (905):	N/A
PORTABLE FIRE EXTINGUISHERS (906.1):	SEE PLANS
FIRE ALARM AND DETECTION SYSTEMS (907): SMOKE CONTROL SYSTEMS (909):	SEE PLANS
SMOKE AND HEAT VENTS (910):	SEE PLANS N/A
EGRESS	
MINIMUM WIDTH FACTOR (1005.1):	0.2" PER/OCC
REQUIRED MINIMUM WIDTH FROM SPACE (1005.1):	PER/OCC
MINIMUM NUMBER OF EXITS (1015):	2
ACTUAL NUMBER OF EXITS:	2
ACTUAL WIDTH OF EXITS:	108"
ALLOWABLE TRAVEL DISTANCE (1016.2):	250'
CORRIDOR CONSTRUCTION (1018.1):	NOT
MINIMUM CORRIDOR WIDTH (1018.2):	RATED 44"
MAXIMUM DEAD END CORRIDOR (1018.2):	44 75'







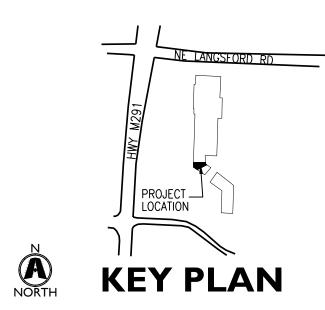
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	ISSUE DATES	
ISSUE		DATE
BID SET		11/13/20

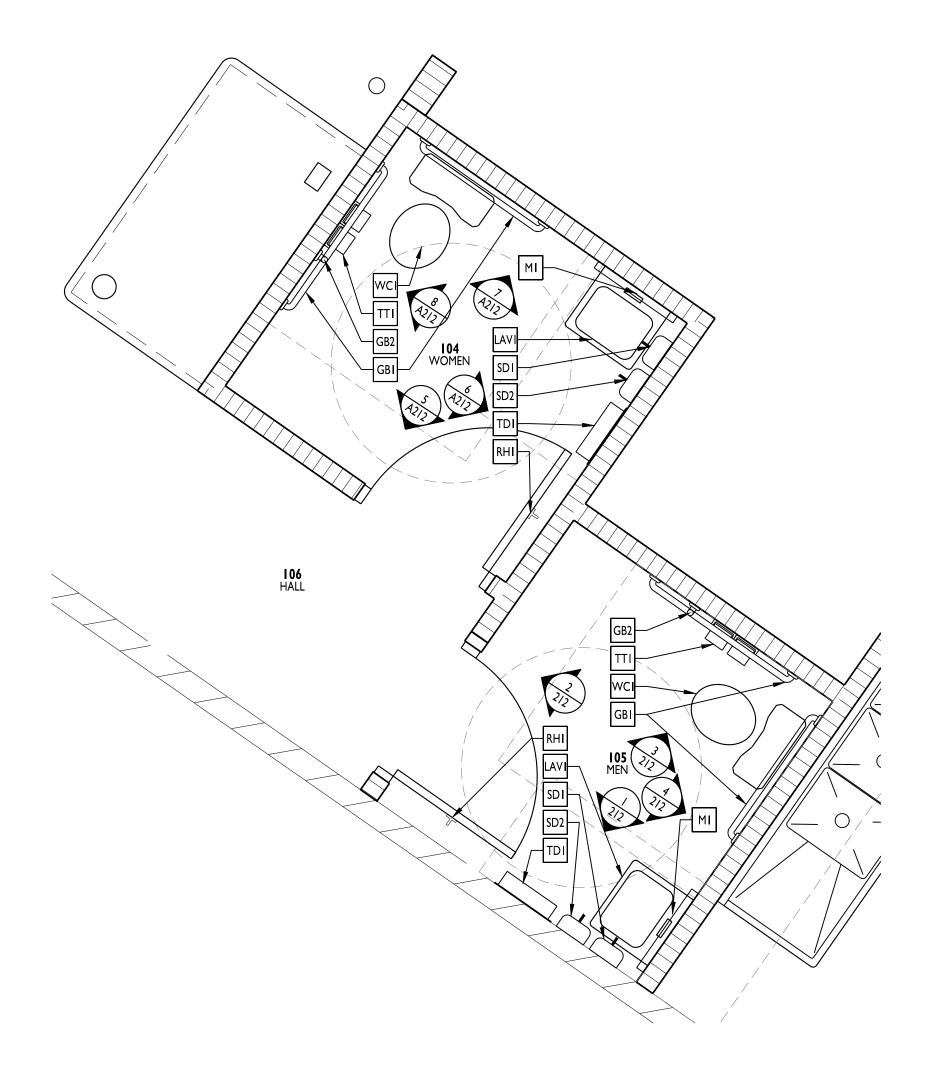
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MAXIMUM DEAD END CORRIDOR (1018.4):

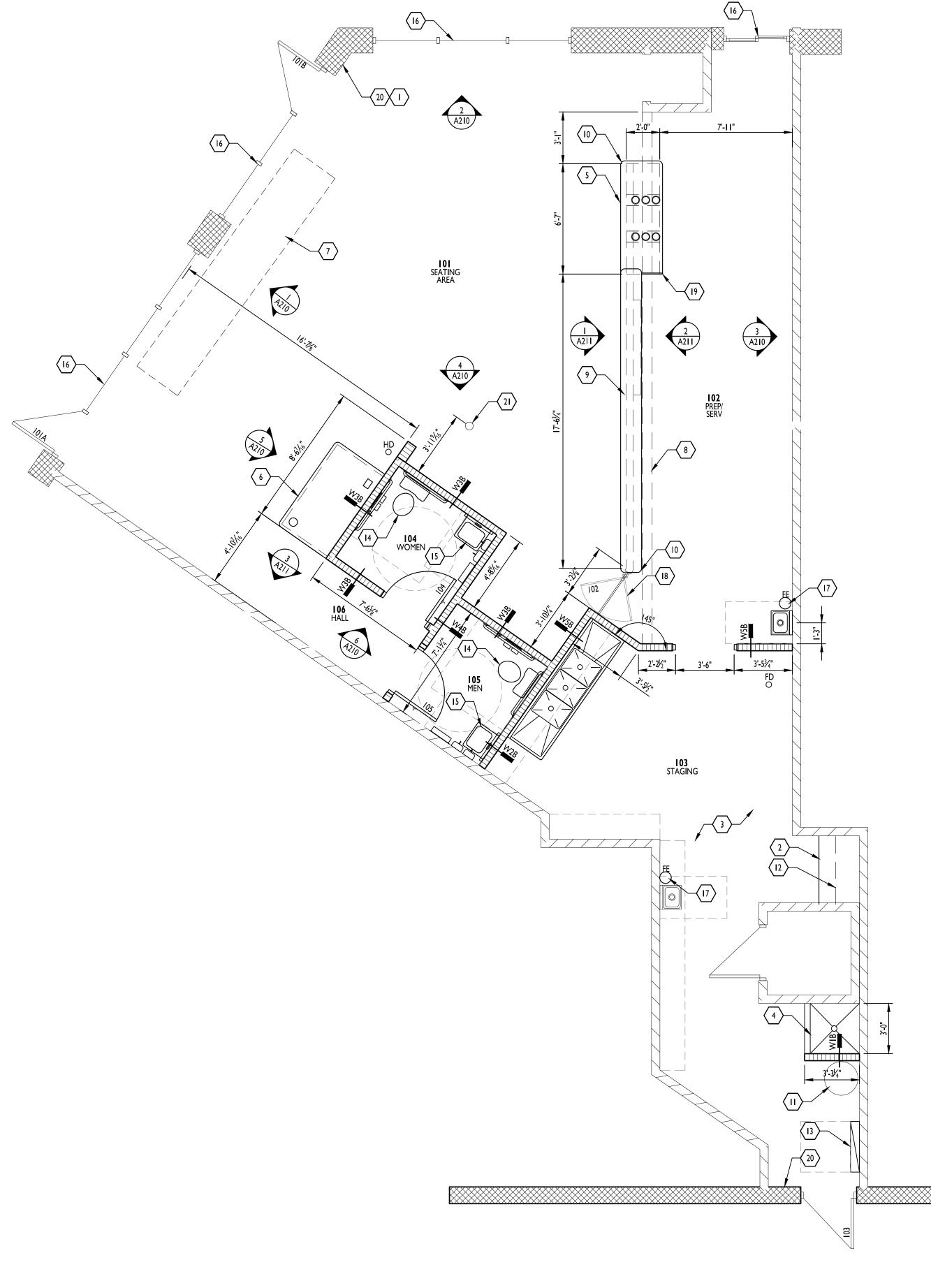
190230 LIFE SAFETY PLAN





ENLARGED RESTROOM PLAN 1/2" = 1'-0"

TOILET ACCESSORY LEGEND					
MARK	SYMBOL	MODEL #	DESCRIPTION		
TTI		BY VENDOR	MULTI-ROLL TOILET TISSUE DISPENSER		
GBI		BOBRICK #B5806	36" AND 42" GRAB BARS FOR TOILET		
GB2	Ð	BOBRICK # B-812 X 18	INCLUDE 18" VERTICAL GRAB BAR		
MI		BOBRICK #B-165	MIRROR		
TDI	[]	BY VENDOR (OPTIONAL) HAND DRYER EXCEL MODEL XL-SI ELERATOR	TOWEL DISPENSER (OPTIONAL) HAND DRYER W/ SPECIAL IMAGE COVER. I PER RESTROOM.		
SDI	Ð	BY VENDOR	soap dispenser		
SD2	Ð	BY VENDOR	HAND SANITIZER PROVIDED BY TENANT, INSTALLED BY GC		
NDI		BOBRICK #B-353 OR #B-270	SANITARY NAPKIN DISPOSAL UNIT AT GWB LOCATIONS SURFACE MOUNT SANITARY NAPKIN DISPOSAL UNIT AT PARTITIONS		
MHI		BOBRICK #B-239X34	SHELF WITH MOP AND BROOM HOLDERS. IF APPLICABLE, MOUNT ITEM SO MOPS ETC. DO NOT INTERFERE WITH FLOOR SINK.		
RHI	Ţ	HOUSE OF ANTIQUE HARDWARE #R-010JW-419	IRON HARNESS DOUBLE HOOK WITH LACQUER FINISH. MOUNT 48" AFF, MAX.		
СНІ		KOALA	SURFACE MOUNTED VERTICAL BABY CHANGING STATION		
LAVI		PROFLO LAVATORY: PF5518WH FAUCET: PFWS1002M	ADA COMPLIANT WHITE VITREOUS CHINA WALL HUNG LAVATORY WITH TWO-HANDLE FAUCET, OR APPROVED EQUAL		
WCI		PROFLO BOWL: PF1603PAWH TANK: PF1612PAWH	ADA COMPLIANT WHITE VITREOUS CHINA HIGH EFFICIENCY PRESSURE ASSISTED 1.0 GPF, OR APPROVED EQUAL		



1/4" = 1'-0"

FLOOR PLAN

GENERAL NOTES

- A. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS AND JOB CONDITIONS. ANY DEVIATION FROM WHAT IS NOTED IN DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY.
- B. ALL DIMENSIONS SHOWN ARE FACE OF BRICK, MASONRY OR METAL STUD FRAMING, UNLESS NOTED OTHERWISE.
- C. PROVIDE DEEP LEG DEFLECTION TRACK AT ALL METAL STUD CONNECTIONS WITH STRUCTURE ABOVE, TYPICAL.
- D. PROVIDE FIRE RATED WOOD BLOCKING IN METAL STUD WALLS FOR ANY WALL SUPPORTED ITEMS.
- E. PROVIDE APPROVED FIRE RATED STOPPING MATERIALS IN ANY OPENINGS IN FIRE RATED ASSEMBLIES.
- F. REFER TO DOOR SCHEDULE FOR ALL MATERIALS, FINISHES AND HARDWARE INFORMATION.
- G. REFER TO EXTERIOR ELEVATIONS FOR ALL BRICK MASONRY AND OTHER EXPANSION JOINT LOCATIONS.
- H. ALL MATERIALS LOCATED IN CEILING PLENUM SHALL BE RATED FOR SUCH INSTALLATION OR PROTECTED TO PROVIDE COMPLIANCE. THIS INCLUDES BUT IS NOT LIMITED TO INSULATION (FHC 25/50) POWER AND LOW VOLTAGE WIRING, TELECOMMUNICATIONS CABLING, PLUMBING SUPPLY AND DRAIN LINES AND SUPPORTING BRACKETS AND/OR BLOCKING FOR CEILING HUNG ITEMS.
- I. PRIOR TO ORDERING ANY PRODUCTS, CONTRACTOR SHALL SUBMIT SAMPLES TO THE ARCHITECT OF ALL FINISH MATERIALS TO BE USED ON THE PROJECT. THE CONTRACTOR SHALL BEAR SOLE RESPONSIBILITY FOR ANY MATERIALS ORDERED INCORRECTLY WHEN THAT MATERIAL WAS NOT REVIEWED BY THE ARCHITECT.
- PROVIDE CONCRETE FILLED STEEL PIPE BOLLARDS AT ALL REQUIRED UTILITY EQUIPMENT LOCATIONS SUCH AS GAS METERS, ELECTRICAL TRANSFORMERS, PANELS, ETC. COORDINATE WITH UTILITY COMPANY AND CONTRACTORS, WHEN APPLICABLE, FOR NECESSARY LOCATIONS. REFER TO CIVIL DRAWINGS FOR BOLLARD SPECIFICATIONS AND ADDITIONAL INFORMATION.
- K. ALL DOORS, UNLESS OTHERWISE NOTED, TO HAVE HINGE SIDE SET 4" FROM CORNER SHOWN TO OUTSIDE OF FRAME.
- L. UNLESS SPECIFIED ELSEWHERE, ALL INTERIOR SLABS AND SLAB INFILLS TO BE FF-50/FL-35 OVERALL AND FF-35/FL-25 LOCAL.
- M. ALL EXIT DOORS TO HAVE TACTILE EXIT SIGNAGE PER 703.4 OF THE ANSI 117.1 2009

KEYED NOTES

- PROVIDE AND INSTALL OCCUPANT LOAD SIGNAGE PER 2018 IBC. COORDINATE EXACT LOCATION NEAR MAIN EXIT OR EXIT ACCESS DOORWAYS. CONFIRM WITH LOCAL FIRE DEPARTMENT PRIOR TO INSTALLATION.
- 2. PLASTIC LAMINATE MANAGER'S DESK, SEE 9/A212.
- 3. PROVIDE FIRE RATED PLYWOOD IN LIEU OF GYPSUM BOARD ON ALL WALLS IN ROOM '103 STAGING', TO BE USED AS BLOCKING FOR ALL APPLICABLE EQUIPMENT.
- 4. MOP SINK CONSTRUCTED WITH SHOWER DAM COVERED WITH QUARRY TILE FLOORING AND WALLS UP TO 5'-0" AFF. PROVIDE 4" TALL X 4" WIDE CURB AT FRONT SIDE OF SINK. PROVIDE SS REDUCED PRESSURE ZONE ASSEMBLY.
- 5. PLASTIC LAMINATE CASH REGISTER COUNTER, SEE DETAILS.
- 6. PLASTIC LAMINATE DRINK CABINET WITH STAINLESS STEEL TOP AND DIAMOND PLATE DOORS, SEE 9/A502.
- 7. CEILING HUNG MURAL, SEE INTERIOR ELEVATIONS AND DETAILS 2/A502 FOR ADDITIONAL INFORMATION. MURAL PROVIDED BY TENANT, INSTALLED BY CONTRACTOR.
- 8. 3-5/8" STUD AND GWB DROP SOFFIT. SEE REFLECTED CEILING PLAN A110
- 9. PLASTIC LAMINATE FRONT COUNTER ON PARTIAL HEIGHT WALL, SEE DETAILS. PROVIDE FRP ON UNDERSIDE OF COUNTERTOP.
- 10. 3" RADIUS, TYPICAL.
- II. CO2 TANK BY VENDOR, COORDINATE LOCATION WITH VENDOR.
- 12. MELAMINE SHELVES ON HEAVY DUTY ADJUSTABLE BRACKETS. SEE
- DETAIL 8/A501. 13. 42 CIRCUIT ELECTRICAL PANELS. PAINT SAFETY RED (P-I). SEE
- ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- 14. NEW ADA COMPLIANT LAVATORY, SEE TOILET ACCESSORY LEGEND FOR ADDITIONAL INFORMATION. 15. NEW ADA COMPLIANT TOILET, SEE TOILET ACCESSORY LEGEND FOR
- ADDITIONAL INFORMATION.
- 16. EXISTING STOREFRONT DOORS AND WINDOWS.
- 17. TYPE 2A-10BC FIRE EXTINGUISHERS MOUNTED BETWEEN 3'-0" AND 4'-0" ABOVE FINISH FLOOR. VERIFY LOCATIONS WITH LOCAL FIRE OFFICIAL.
- 18. ELIASON P-11 PLUS GATE. FINISH TO BE ORDERED RED. POST HEIGHT TO BE 48".
- 19. PROVIDE PLASTIC LAMINATE END PANEL AT END OF POS COUNTER UP TO TOP OF HIGH COUNTER. SEE FIXTURE DETAIL SHEETS FOR PROFILE. FINISH TO MATCH COUNTERTOP.
- 20. TACTILE EXIT SIGN SHALL BE SUPPLIED AND MOUNTED IN ACCORDANCE WITH 703.3.11 ANSI A117.1 AND IBC SECTION 1011.4

LANGSFORD RD

21. GRIND POLE SMOOTH, PAINT SAFETY RED P-1.



CURRAN ARCHITECTURE 5719 LAWTON LOOP E. DR. #212 INDIANAPOLIS, IN 46216 O :: 317.288.0681

F :: 317.288.0753

OF MIS SHAWN M. CURRAN NUMBER A-8207

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PROJECT INFORMATION FIREHOUSE SUBSP

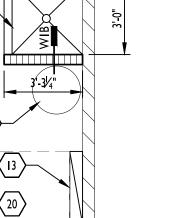
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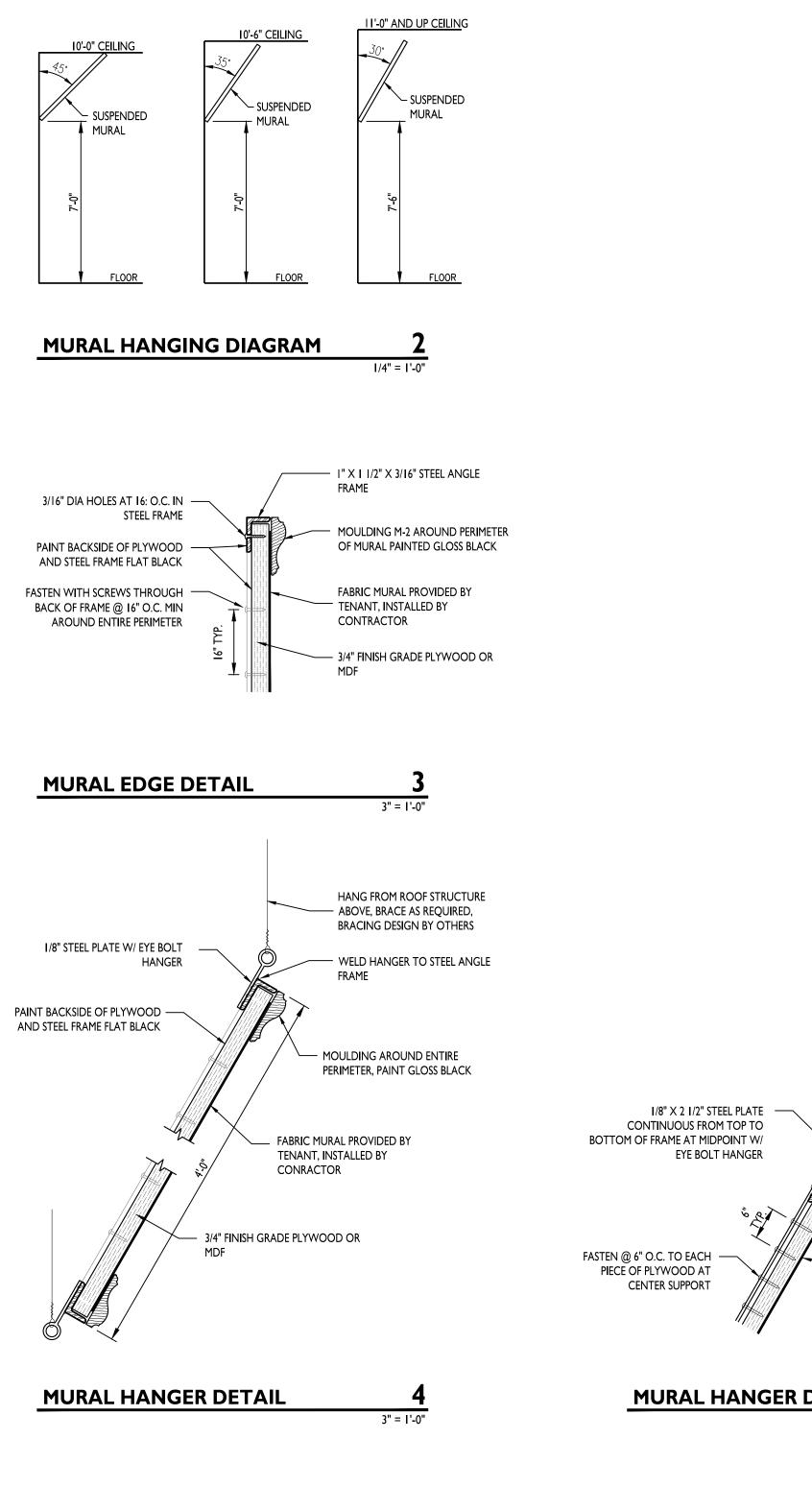
FLOOR PLAN & ENLARGED **RESTROOM PLAN**

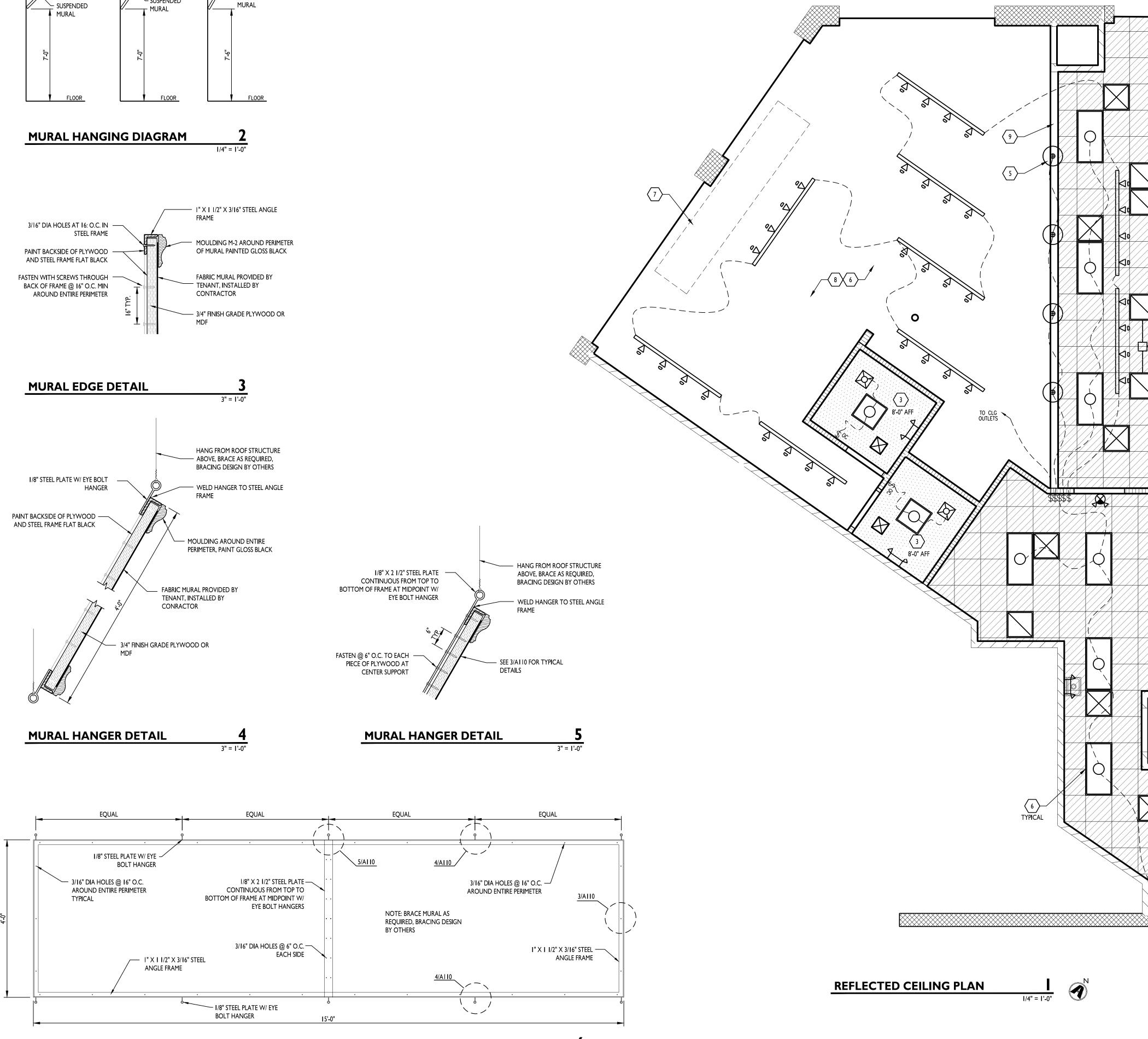






PROJECT ____ LOCATION





3/4" = I'-0"

MURAL FRAME ELEVATION

GENERAL NOTES

- A. ALL LAMPS IN THE FOOD PREP ARES SHALL BE SHIELDED AND/OR SHATTERPROOF. VERIFY EXACT REQUIREMENTS WITH LOCAL HEALTH DEPARTMENT.
- B. CIRCUIT DESIGNATIONS AND SWITCHING ARE SHOWN FOR REFERENCE ONLY. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- C. ARCHITECTURAL CEILING PLAN TAKES PRECEDENCE OVER ELECTRICAL PLANS WITH REGARD TO LIGHT FIXTURE QUANTITY AND LOCATIONS. PLEASE CONTACT ARCHITECT WITH ANY QUESTIONS REGARDING LIGHT PLACEMENT OR QUANTITIES.
- D. CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATING EXISTING SPRINKLER HEADS AS REQUIRED TO ACCOMMODATE NEW LAYOUT. SPRINKLER CONTRACTOR SHALL PROVIDE ALL REQUIRED DRAWINGS FOR LOCAL JURISDICTIONAL REVIEW AND APPROVAL.
- E. ENTRY AREA NOTE: ALL DUCTWORK IN THE ENTRY AREA SHALL BE EXPOSED (MIN 26 GAGE) SPIRAL WOUND GALVANIZED DUCTWORK - PRIMED & PAINTED RED. BOT OF DUCTWORK VARIES PER LOCATION.

KEYED NOTES

- I. ACOUSTICAL TILE CEILING AREA DENOTED WITH HATCH PATTERN IS TO BE ACT-2. REMAINDER OF ACOUSTICAL TILE CEILING TO BE ACT-I.
- 2. 2X2 LAY-IN CEILING.
- 3. GYPSUM CEILING.

- 1 2 12'-0" AFF

 $\overline{\alpha}$

 (\mathbf{A})

- 4. EXHAUST FAN WIRED TO VARIABLE SPEED SWITCH IN LOCATION AS SHOWN. SEE MECHANICAL DRAWINGS FOR FAN SIZE AND CIRCUIT DESIGNATIONS.
- 5. THIS LIGHT TO BE CENTERED ON POS COUNTER.
- 6. GENERAL LIGHTING SHALL BE ON DIMMERS AND CIRCUITED SEPARATELY FROM ACCENT LIGHTING .
- 7. CEILING MOUNTED MURAL, SEE INTERIOR ELEVATIONS AND DETAILS THIS SHEET FOR ADDITIONAL INFORMATION. MURAL PROVIDED BY TENANT, INSTALLED BY CONTRACTOR.
- 8. OPEN TO STRUCTURE, PAINT CEILING AND STRUCTURE BLACK, PAINT EXPOSED DUCTWORK SAFETY RED P-I.
- 9. 3-5/8" STUD AND GWB SOFFIT. BOTTOM TO BE @ 9'-0" A.F.F.

CEILING LEGEND

CEILING LEGEND				
	(NOT ALL MAY APPLY)			
0	2X4 FLAT PANEL LIGHT - LED. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFO.			
0	DENOTES LIGHT FIXTURE WIRED TO 24 HOUR CIRCUIT (NIGHT LIGHT)			
0	2X2 FLAT PANEL LIGHT - LED. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFO.			
<u> </u>	IX4 HIGHBAY SUSPENDED VIA AIR CRAFT CABLE AND GRIPPLE TYPE CONNECTORS, BOTTOM AT 12'-0" AFF. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFO.			
۲	PENDANT HUNG LIGHT FIXTURE. CENTER ON COUNTER OR AS SHOWN. MOUNT WITH BOTTOM OF FIXTURE AT 7'-2" AFF, COORDINATE W/ MANUFACTURER FOR REQUIRED CORD LENGTH.			
¢	SURFACE MOUNTED LIGHT FIXTURE.			
	TRACK LIGHT - LED. BLACK SINGLE CIRCUIT TRACK WITH BLACK CYLINDER LIGHT. SEE ELECTRICAL DRAWINGS FOR LENGTH AND ADDITIONAL INFO.			
O	FLUORESCENT CAN LIGHT WITH WHITE TRIM RING AND CLEAR ALZAK REFLECTOR. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFO.			
₽	WALL MOUNTED EMERGENCY LIGHT WITH BATTERY BACKUP. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFO.			
Δ	EXTERIOR EMERGENCY EXIT LIGHT. FEED FROM EXIT SIGN INSIDE SPACE. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFO.			
\bigotimes	WALL OR CEILING MOUNTED EXIT SIGN WITH BATTERY BACKUP. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFO.			
	EMERGENCY EXIT SIGN WITH BATTERY BACKUP AND EMERGENCY LIGHTS. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFO.			
Ø	EXHAUST FAN DUCTED TO EXTERIOR. SEE MECHANICAL PLANS FOR ADDITIONAL INFO.			
	ACOUSTICAL TILE CEILING / GRID. REFER TO FINISH SCHEDULE.			
	GYPSUM BOARD BULKHEAD OR CEILING. HEIGHT AS NOTED ON SCHEDULE OR KEYNOTES.			
\bowtie	DIFFUSER - SUPPLY. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFO.			
	DIFFUSER - RETURN. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFO.			
\$	WALL MOUNTED LIGHT SWITCH 3 = 3 WAY SWITCH 4 = 4 WAY SWITCH OC = MOTION ACTIVATED OCCUPANCY SENSOR			
	NE_LANGSFORD_RD			





PROJECT _____ LOCATION **KEY PLAN**

190230 REFLECTED CEILING PLAN





MARK	DESCRIPTION		MODEL NUMBER		NOTES
101	48" REFRIGERATED SANDWICH UNIT		TSSU-48-18MB	115V-60Hz, 1 PHASE, 8.6A, 1/3 HP, NEMA 5-20P	-
102	72" REFRIGERATED SANDWICH UNIT		TSSU-72-30MB	115V-60Hz, 1 PHASE 15.0A, NEMA 5-15	
103	36" SS WORK TABLE	EAGLE	T3036SB	-	
104	48" SS WORK TABLE	EAGLE	T3048SB	-	-
105	60" SS WORK TABLE	EAGLE	T3060SB	-	
106	72" SS WORK TABLE	EAGLE	T3072SB	-	
107	84" SS WORK TABLE	EAGLE	T3084SB	_	
108	96" SS WORK TABLE	EAGLE	T3096SB	-	
109	I DOOR REACH-IN COOLER	TRUE	Т-23	115V-60Hz, 1 PHASE, 7.6A, 1/3 HP, NEMA 5-15	
110	3 DOOR REACH-IN COOLER	TRUE	T-72	115V-60Hz, 1 PHASE, 9.6A, 1/2 HP, NEMA 5-15	
Ш	I DOOR REACH-IN FREEZER	ARCTIC AIR	AF-23	115V-60Hz, 1 PHASE, 7.2A, 1/3 HP, NEMA 5-15	
112	2 DOOR REACH-IN FREEZER	TRUE	T-49F	115V-60Hz, 1 PHASE, 11.0A, 3/4 HP, NEMA 5-15P	
113	WALK-IN COOLER	BY VENDOR		_	
114	14" × 36" WIRE SHELVING	B&J	LGS1436 (SHELF) LGP74 (POSTS)	_	
115	24" x 36" WIRE SHELVING	B&J	LGS2436 (SHELF) LGP74 (POSTS)	_	
116	24" x 42" WIRE SHELVING	B&J	LGS2442 (SHELF) LGP74 (POSTS)	_	
117	24" × 48" WIRE SHELVING	B&J	LGS2448 (SHELF) LGP74 (POSTS)	-	
118	24" × 60" WIRE SHELVING	B&J	LGS2460 (SHELF) LGP74 (POSTS)	-	
119	TOASTER	HOLMAN	314HXETB	208V, SINGLE PHASE, 26.4/15.2A, 5400W NEMA 6-50P	
120	STEAMER	ANTUNES	DFW150 - FHS PART# 9100169	208V, SINGLE PHASE, 60Hz, 1800VV, 15A	8, 9
121	FOOD WARMER	NEMCO	6055A	120V,1200VV,10.0A	
122	SLICER	BIZERBA	GSP HD	I20V/6.6A	
123	FREESTYLE COKE MACHINE	BY VENDOR		PROVIDE ROUGH-IN ONLY FOR FUTURE INSTALLATION	3
124	COFFEE/TEA BREWER	BY VENDOR	ІТСВ	COORDINATE WITH VENDOR	12
125	COOKIE OVEN	CADCO	OV-003	120V,12.5A,1500VV,NEMA5-15P	
126	MICROWAVE	PANASONIC	NE1022	115V-60Hz, I PHASE, 15.0A, NEMA 5-15P	
127	MOBILE SLICER TABLE	DELI PRO	DP-B4-4-GCW	AVAILABLE THROUGH BIZERBA	-
128	TRASH RECEPTACLES	BY VENDOR		-	
129	ICE MAKER	HOSHIZAKI	KM-90IMAH	208/230/60/1MCA:16.0 VERIFY W/ PLUMBING REQ.	-
130	SYRUP RACK AND PUMP	BY VENDOR		-	3, 4, 12
131	CO2 BOTTLE	BY VENDOR		-	2, 3, 5
132	WATER HEATER	SEE PLUMBING DRAWINGS		SEE PLUMBING DRAWINGS	6
133	REMOTE PRINTER	BY VENDOR		2.5A / DATA PROVIDED THRU CASH REGISTER	-
134	PRINTER SHELF	BY GENERAL CONTRACTOR		-	15
135	18" DEEP WALL MOUNTED SHELVES	ADVANCE TABCO		GREEN EPOXY COATED	14
136	I COMPARTMENT SINK	JOHN BOOS	EISI8-12SI8	I/2"CW & HW, 3" DRAIN	
137	3 COMPARTMENT SINK	JOHN BOOS	E3S8-1824-14-T24	I/2"CW & HW, 3" DRAIN	7
138	HAND SINK W/ SPLASH GUARD EACH SIDE AND FAUCET	JOHN BOOS	PBHS-W-1410-P-SSLR	I/2" CW & HW, 2" DRAIN	
139	GREASE TRAP	TBD	TBD	_	7
140	CARBON MONOXIDE SENSOR	PROVIDED BY GENERAL CONTRACTOR	C0910	_	SEE ATTO FOR MORE IN
141	HAND DRYER W/ SPECIAL IMAGE COVER	EXCEL	XL-SI XLERATOR	I 500 WATTS-SEE MFR SPEC. SHEETS	OPTIONAL, SEE SHEET A
142	BEVERAGE CENTER	BY GENERAL CONTRACTOR	SEE 7/A502	_	
143	MENU BOARDS	BY VENDOR		-	
144	CASH REGISTER	BY VENDOR		COORDINATE WITH VENDOR	
145	CUP DISPENSER (ONE SIZE FITS ALL)	SAN JAMAR	C2410C	_	
146	MOBILE CHIP RACK	BY VENDOR	30X24X60	_	
147	SS HOT SAUCE RACK	B&J	3-TIER	VERIFY W/ FRANCHISEE	I0, II SEE ALTERNATE
148	ICE & WATER DISPENSER	LANCER	ID 4400	I I 5V/60Hz/IPH 3/8" COLD WATER	
149	TEA DISPENSERS	BY VENDOR		_	
150	CHAIR	BY VENDOR		-	
151	BAR STOOLS	B&J		RED BAR STOOL FRAME	
152	24X30 TABLE	BY VENDOR		-	
153	24X48 TABLE (ADA ACCESSIBLE)	BY VENDOR		_	
154	COKE FRIDGE	BY VENDOR		_	

EQUIPMENT NOTES:

I. PURCHASED AND INSTALLED BY PLUMING CONTRACTOR - HOOK UP TO NEW PLUMBING AND VERIFY PROPER WORKING ORDER.

2. PROVIDE SERVICEABLE METAL HOLD DOWN STRAP FOR CO2 BOTTLE.

3. PROVIDE 4" DIAMETER PVC PIPING SYSTEM FROM BAG-IN-BOX TO COKE FREESTYLE MACHINE. ROUTE THROUGH WALL INTO CABINET

4. VERIFY SIZE WITH VENDOR, RACK SIZE TO ENSURE PROPER SPACE ALLOCATION.

5. VERIFY WITH FRANCHISEE FOR EXACT CO2 SYSTEM INSTALLATION AND OPERATION REQUIREMENTS.

6. PURCHASED AND INSTALLED BY PLUMBING CONTRACTOR PROVIDE OVERFLOW PAN (APPLICABLE FOR TANK TYPE ONLY) AND DRAIN SYSTEM (APPLICABLE TO TANK OR TANKLESS).

7. GREASE INTERCEPTOR CAPACITY CALCULATION:

3 COMPARTMENT SINK (18X18X12X3) = 11,664 CUBIC INCHES = 50.5 GALLON. CAPACITY = 75% = 37.9 GALLONS PER MINUTE BASED ON 1 MINUTE DRAIN. SINK TO HAVE ROUNDED INTERNAL CORNERS OR ANGLES.

8. SELF CONTAINED UNIT, NO WATER CONNECTION REQUIRED.

9. PROVIDE DUAL PRESSURE REGULATOR KITS.

10. SEE DESIGN MANUAL FOR ADDITIONAL INFORMATION.

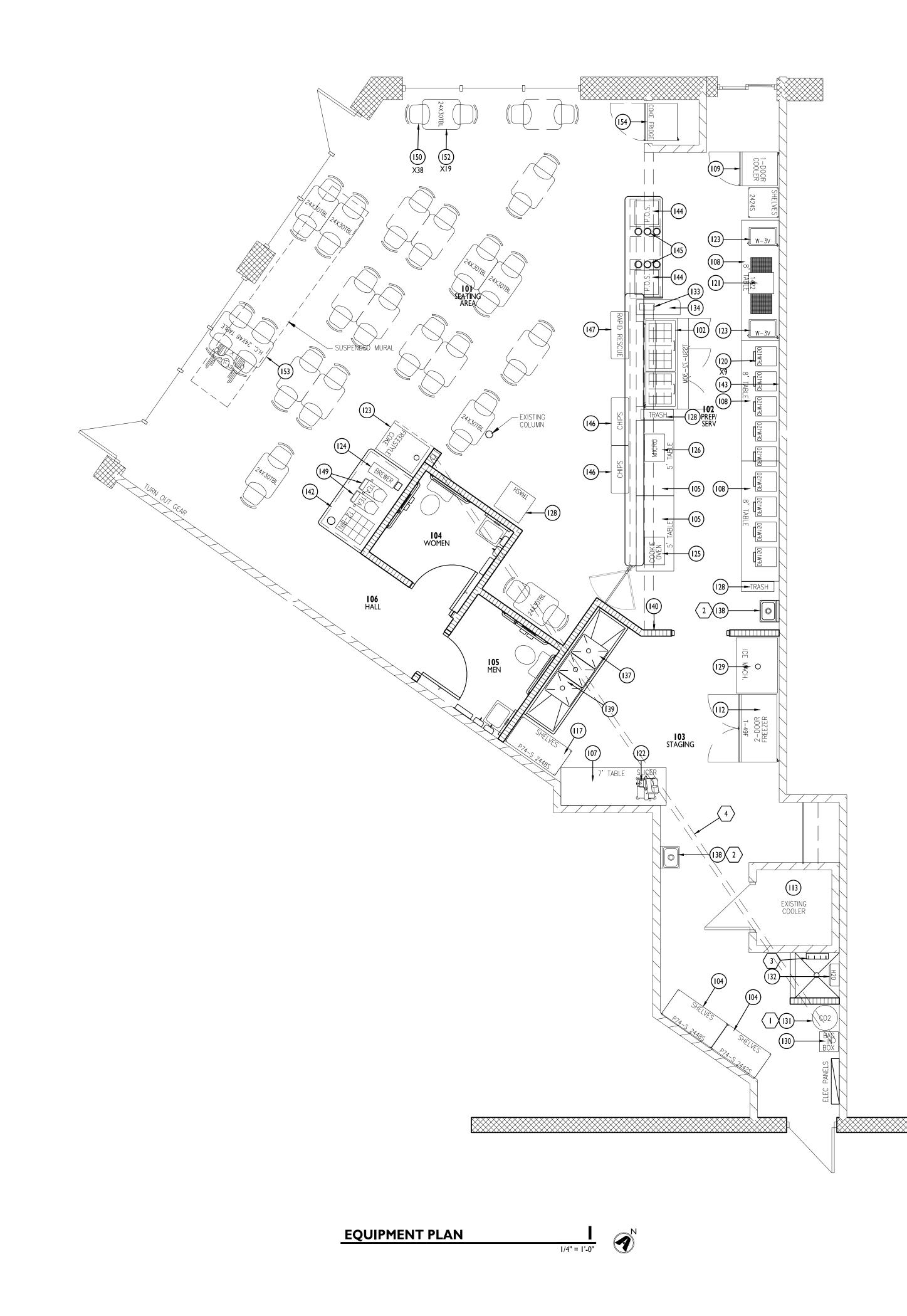
II. COORDINATE MOUNTING LOCATION WITH TENANT.

12. PROVIDE SS REDUCED PRESSURE ZONE ASSEMBLY.

13. ICE MACHINE TO SIT ON BIN HOSHIZAKI ITEM #B-800SF.

14. SHELVING ALONG ENTIRE WALL AS SHOWN ON EQUIPMENT PLAN, COORDINATE WITH TENANT FOR MOUNTING HEIGHTS.

15. 12" X 26" SHELF W/ ANGLE BRACKETS TO THE WALL. PROVIDE (I) I-1/2" DIAMETER GROMMET AND 3" RADIUS ON CORNER AT POS COUNTER. TRASH CAN TO SIT BELOW. REMOTE PRINTER TO SIT ON SHELF.



KEYED NOTES

- I. CO2 TANK, COORDINATE PENETRATION REQUIREMENTS WITH VENDOR AND LANDLORD.
- PROVIDE SOAP DISPENSER (SDI), HAND SANITIZER (SD2), AND A TOWEL DISPENSER (TD2) ADJACENT TO HAND SINK. TYPICAL OF 2 LOCATIONS. REFER TO TOILET ACCESSORY LEGEND ON A101 FOR INFORMATION. COORDINATE WITH TENANT ON MOUNTING LOCATIONS.
- 3. MOP HOLDER. REFER TO TOILET ACCESSORY LEGEND ON A101 FOR INFORMATION.
- 4" PVC CONDUIT FROM BAG-IN-BOX RACK TO COKE FREESTYLE MACHINE. CONDUIT TO RUN VERTICALLY IN 6" STUD WALL AND HORIZONTALLY ABOVE CEILING.



CORRAN ARCHITECTURE 5719 LAWTON LOOP E. DR. #212 INDIANAPOLIS, IN 46216 O :: 317 . 288 . 0681 F :: 317 . 288 . 0753



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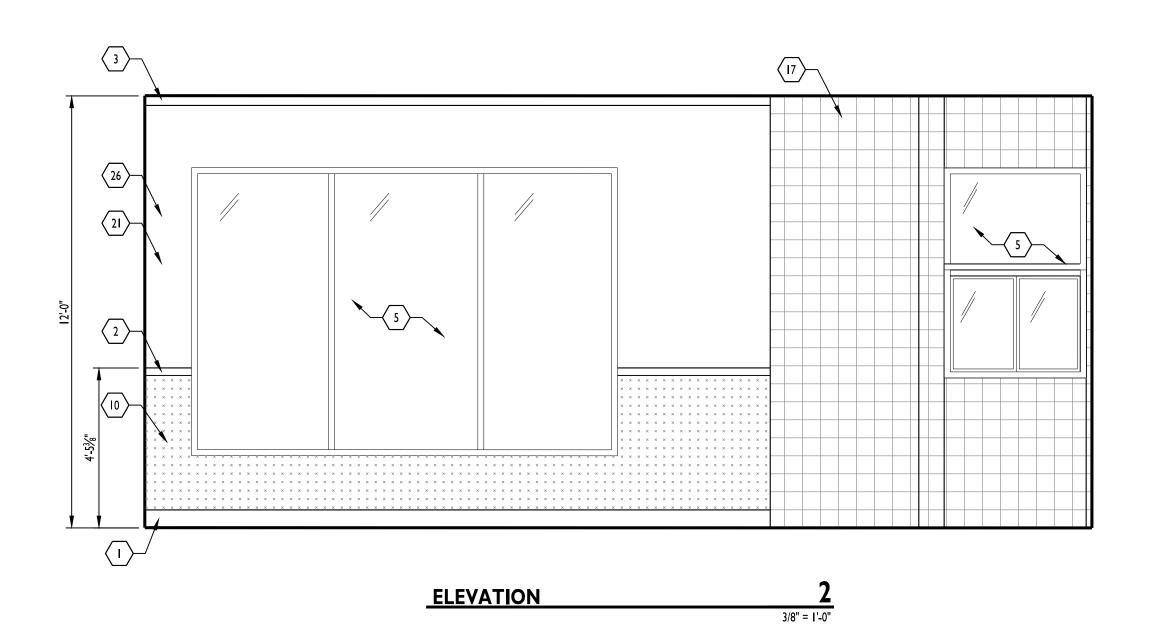
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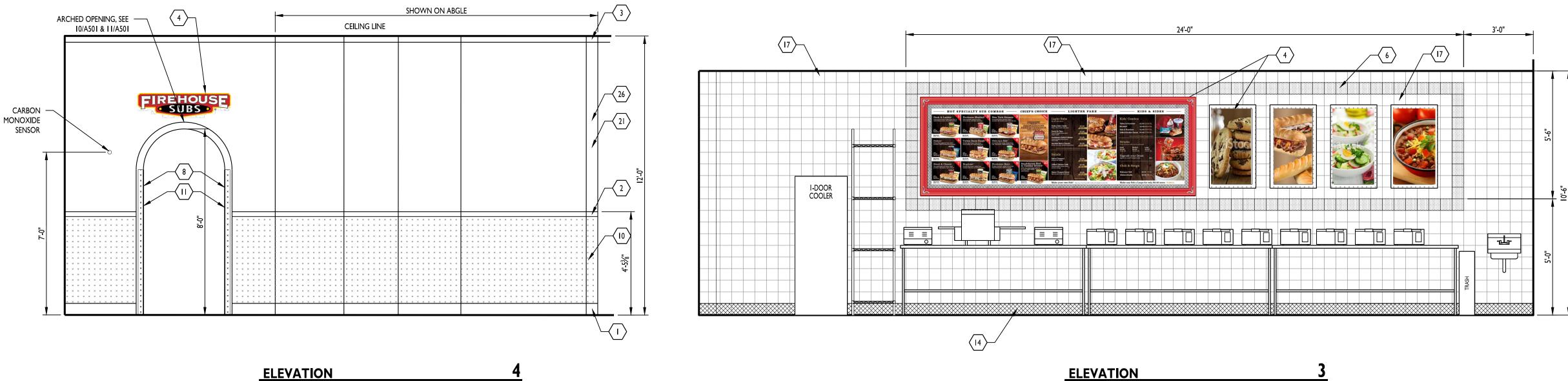
ISSUE	DATES
ISSUE	DATE
BID SET	11/13/20



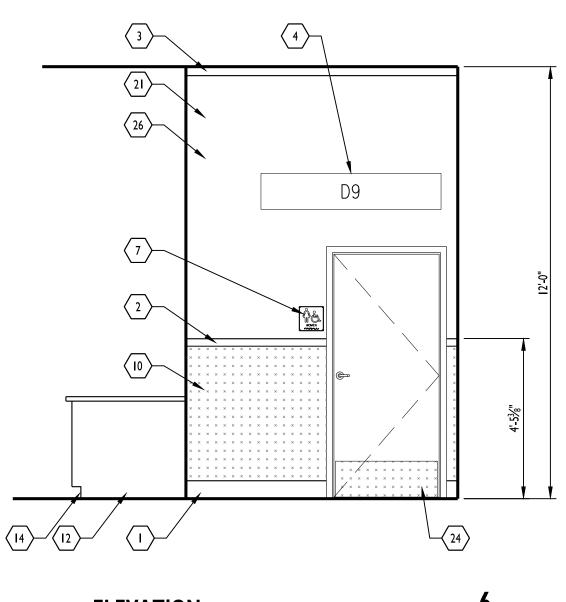
190230 EQUIPMENT PLAN





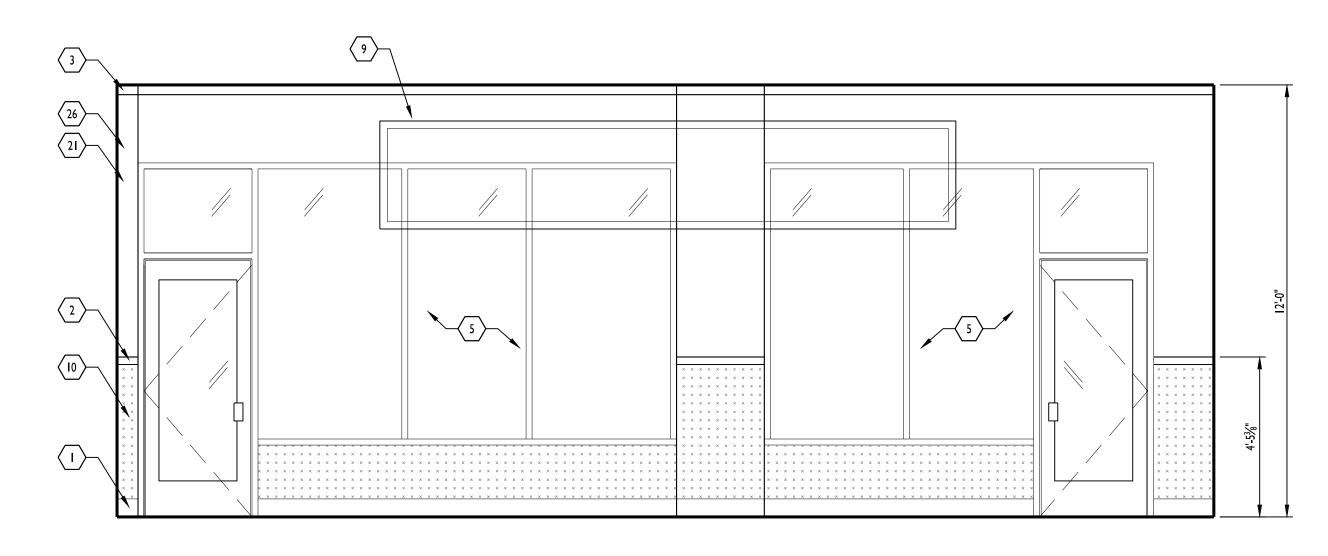


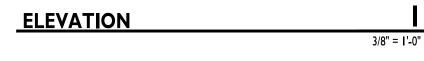


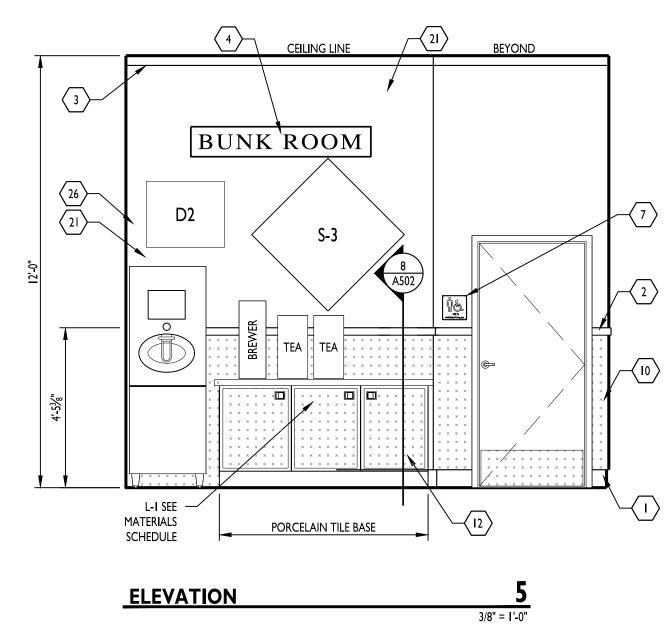


3/8" = **1'-**0"

ELEVATION







3/8" = 1'-0"

GENERAL NOTES

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KEYED NOTES

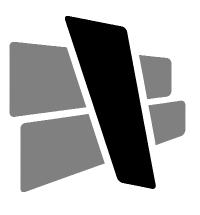
- I. BASE MOLDING, B-I.
- 2. CHAIR RAIL MOLDING, M-2.
- 3. CROWN MOLDING, M-3.
- 4. SIGNAGE, PROVIDED BY TENANT, INSTALLED BY GC. REFER TO CORPORATE DESIGN MANUAL FOR MORE INFORMATION.
- 5. EXISTING STOREFRONT WINDOW SYSTEM TO REMAIN.
- 6. TILE BORDER, T-3.
- 7. ADA COMPLIANT RESTROOM SIGNAGE. SEE SHEET A002 FOR ADDITIONAL REQUIREMENTS.
- 8. DIAMOND PLATE "U" SHAPED CORNER GUARD TRIM FORM FROM CT-3, FROM FLOOR TO 6'-3" AFF. LEGS TO BE 2-1/2" LONG, AND secured with loctite 375 Adhesive. Seal edges with ALUMINUM GRAY SEALANT, SEE 11/A501.
- 9. MURAL, SEE 2/A502.
- 10. CUTS METAL PANEL, CT-4, SECURED TO WALL WITH LOCTITE 375 ADHESIVE. PROVIDE ALUMINUM GRAY SEALANT JOINT WHERE REQUIRED. PROVIDE SMOOTH FINISHED GYPSUM BOARD BEHIND METAL PLATE.
- 11. TRIM OUT ARCH WITH MDF. REFER TO DETAILS 10/A501 AND 11/A501. PROVIDE SEALANT JOINT BETWEEN MDF TRIM AND TOP OF DIAMOND PLATE.
- 12. BEVERAGE CABNET, SEE 7/A502. PROVIDE FINISHED PLASTIC LAMINATE END PANEL AT EACH SIDE OF DRINK STATION COUNTER. see design manual.
- 13. FRP FINISH (SEE MATERIAL SCHEDULE). TERMINATE AT TOP OF QUARRY TILE BASE. **DO NOT** EXTEND FRP BEHIND TILE BASE.
- I4. QUARRY TILE BASE, F-2.
- 15. TILE BASE, TA-3. 16. PLASTIC LAMINATE COUNTERS, SEE DETAILS ON A502 FOR
- ADDITIONAL INFORMATION. 17. CERAMIC TILE, T-2.
- 18. WALLS AND CEILING IN RESTROOM ABOVE TILE TO HAVE SMOOTH, PAINTED FINISH. PROVIDE EPOXY PAINT ON WALL. P-4
- 19. BULLNOSE TILE, TA-1.
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- 21. SMOOTH DRYWALL FINISH
- 22. BUILT-UP WOOD COLUMN, STAINED, ST-I. SEE DETAIL I/A502. 23. 1/4" TEMPERED GLASS WITH 3M FROSTED FILM ON SERVICE SIDE OF
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- 25. PAINT P-I
- 26. PAINT P-3
- 27. PLASTIC LAMINATE COUNTER SEATING, SEE DETAIL 6/A502
- 28. ELIASON P-I I PLUS GATE, FINISH TO BE RED. POST HEIGHT 48". NOTE ON MANUFACTURER ORDER

SIGNAGE					
MARK	ITEM #	DESCRIPTION	SIZE	COLOR	
D3	120	BUNK ROOM	10 X 60	-	
D5	FIRE 106	DEFINITION: HOOK & LADDER	30 X 16	PARCHMENT	
D6	FIRE 107	ARE YOU HUNGRY?	28 X 24	TRUE BLACK	
D8	FIRE 109	FIRE ENGINE NO. (PERS)	12 X 60	TRUE RED	
D9	FIRE 110	HOOK & LADDER NO. (PERS)	12 X 60	TRUE RED	
DI6	Ι	PSF POSTER	24 X 36	-	
DI7	Ι	FRANCHISE RECRUITMENT POSTER	22 X 40	-	
DI9	FIRE 200	FIRE TRUCK ALUMINUM SIGN	-	_	
D20	FIRE 201	FIRE STATION ALUMINUM SIGN	-	-	
D21	FIRE 202	NO PARKING ALUMINUM SIGN	-	-	
D22	-	FHS MISSION STATEMENT	-	-	
D23	-	THE FOUNDATION LOGO SIGN	36 X 31	-	
SI	R7-0	NO PARKING FIRE LANE	12 X 18	_	
S2	WII-8P	FIRE STATION	24 X 18	_	
S3	WII-8	FIRE TRUCK	VERIFY	_	
DECOR					
MARK	ITEM #	DESCRIPTION	SIZE	COLOR	
DH	DUOWP8	PIKE POLL - WOOD	_	_	
DI2	CT60P	PICK HEAD AXE - WOOD	-	_	
DI3**	368969144 429	FIRECOAT RACK & PILLTOP HOOK RAIL (BOTH FROM LOWES)	27" LONG	BLACK & SATIN NICKEL	
DI4	-	FIRE HELMET	-	_	
DI5	_	AIR PACK - NOTE 2	_	_	
DI8	FIRE 119	FIRE CALL BOX			

I. ALL WALL SIGNS & DECOR TO BE PROVIDED BY TENANT AND INSTALLED BY GC. FINAL TYPES & LOCATIONS TO BE VERIFIED BY FIREHOUSE SUBS.

. AIR PACK SHALL HAVE PRESSURE REGULATOR REMOVED OS AIR CANNOT BE STORED IN AIR PACK.

. ** PRODUCT ALSO FOUND AT AMAZON.COM (LIBERTY 129852 FOUR HOOK 27-INCH WIDE HAT AND COAT RAIL/RACK).



CURRAN ARCHITECTURE 5719 LAWTON LOOP E. DR. #212 INDIANAPOLIS, IN 46216

O :: 317.288.0681 F :: 317.288.0753



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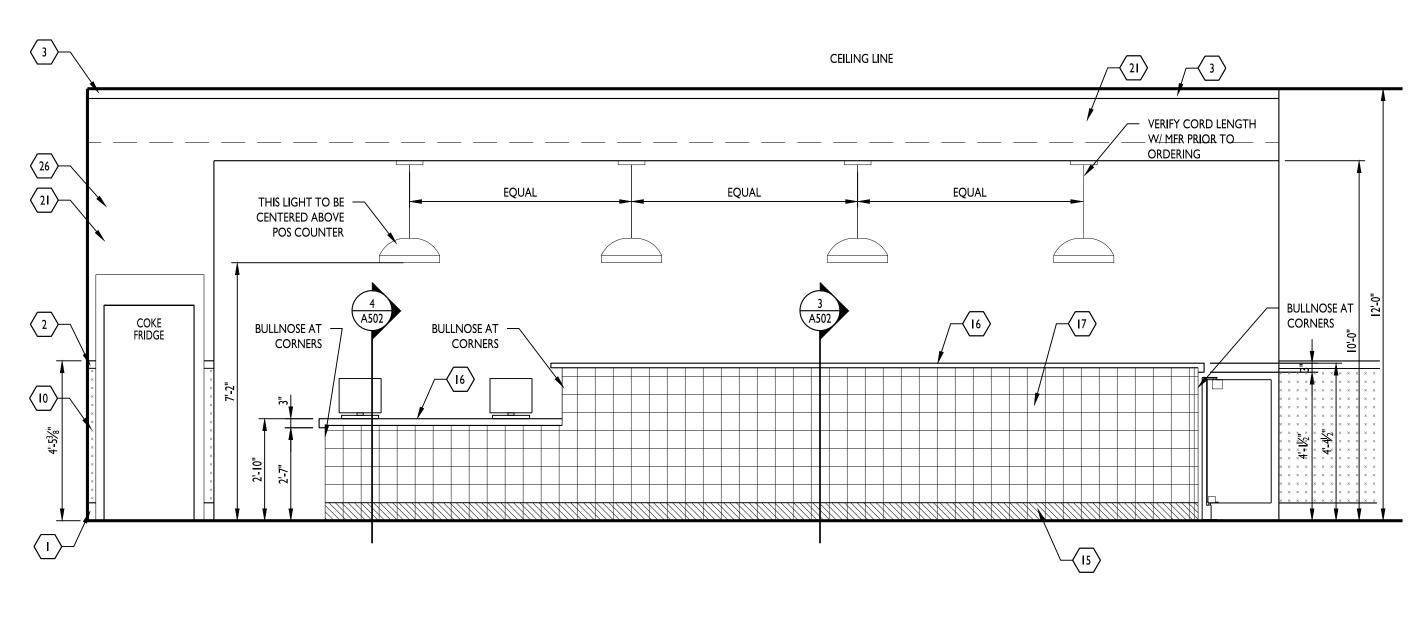


FIREHOUSE SUBS III SE M29I HWY STE. 100 LEES SUMMIT, MO 64081

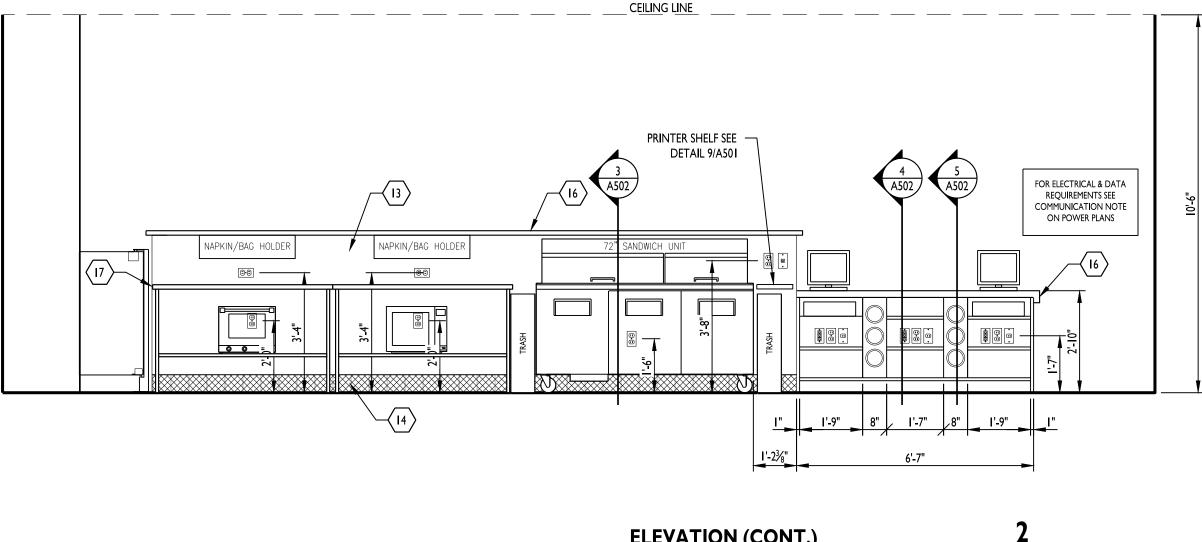
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190230 INTERIOR ELEVATIONS

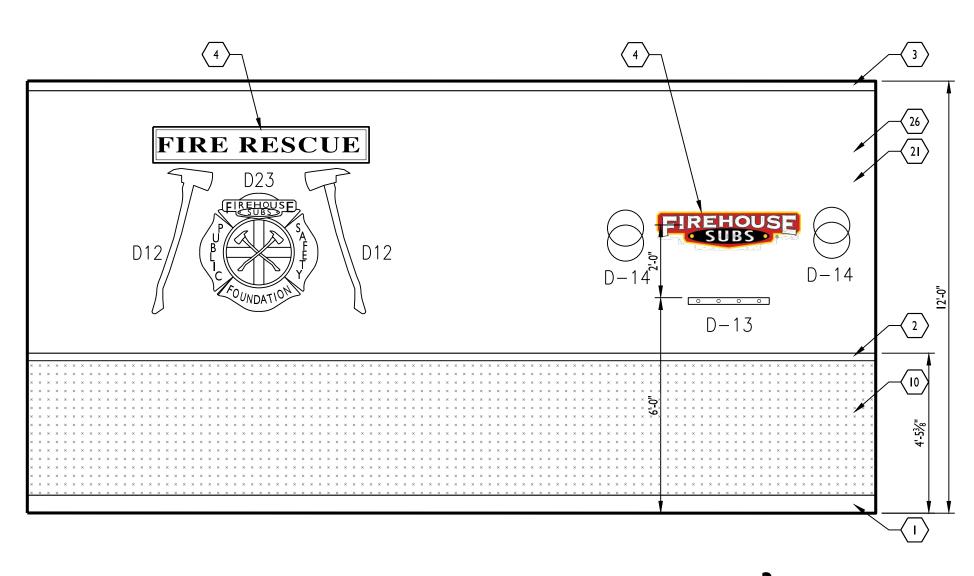




ELEVATION



ELEVATION (CONT.) 2 3/8" = 1'-0"



ELEVATION



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DI6		PSF POSTER	24 X 36					
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DI9	FIRE 200	FIRE TRUCK ALUMINUM SIGN						
D20	FIRE 201	FIRE STATION ALUMINUM SIGN						
D21	FIRE 202	NO PARKING ALUMINUM SIGN						
D22		FHS MISSION STATEMENT						
D23		THE FOUNDATION LOGO SIGN	36 X 3 I					
SI	R7-0	NO PARKING FIRE LANE	12 X 18					
S2	WII-8P	FIRE STATION						
S3	W11-8	FIRE TRUCK	VERIFY					
		DECO	R					
MARK	ITEM #	DESCRIPTION	SIZE	COLOR				
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DI2	CT60P	PICK HEAD AXE - WOOD		-				
D I3 **	368969144 429	FIRECOAT RACK & PILLTOP HOOK RAIL (BOTH FROM LOWES)	27" LONG	BLACK & SATI NICKEL				
DI4		FIRE HELMET						
DI5		AIR PACK - NOTE 2						
D18	FIRE 119	FIRE CALL BOX						
	VALL SIGNS C. FINAL TYF	& DECOR TO BE PROVIDED ES & LOCATIONS TO BE VE						

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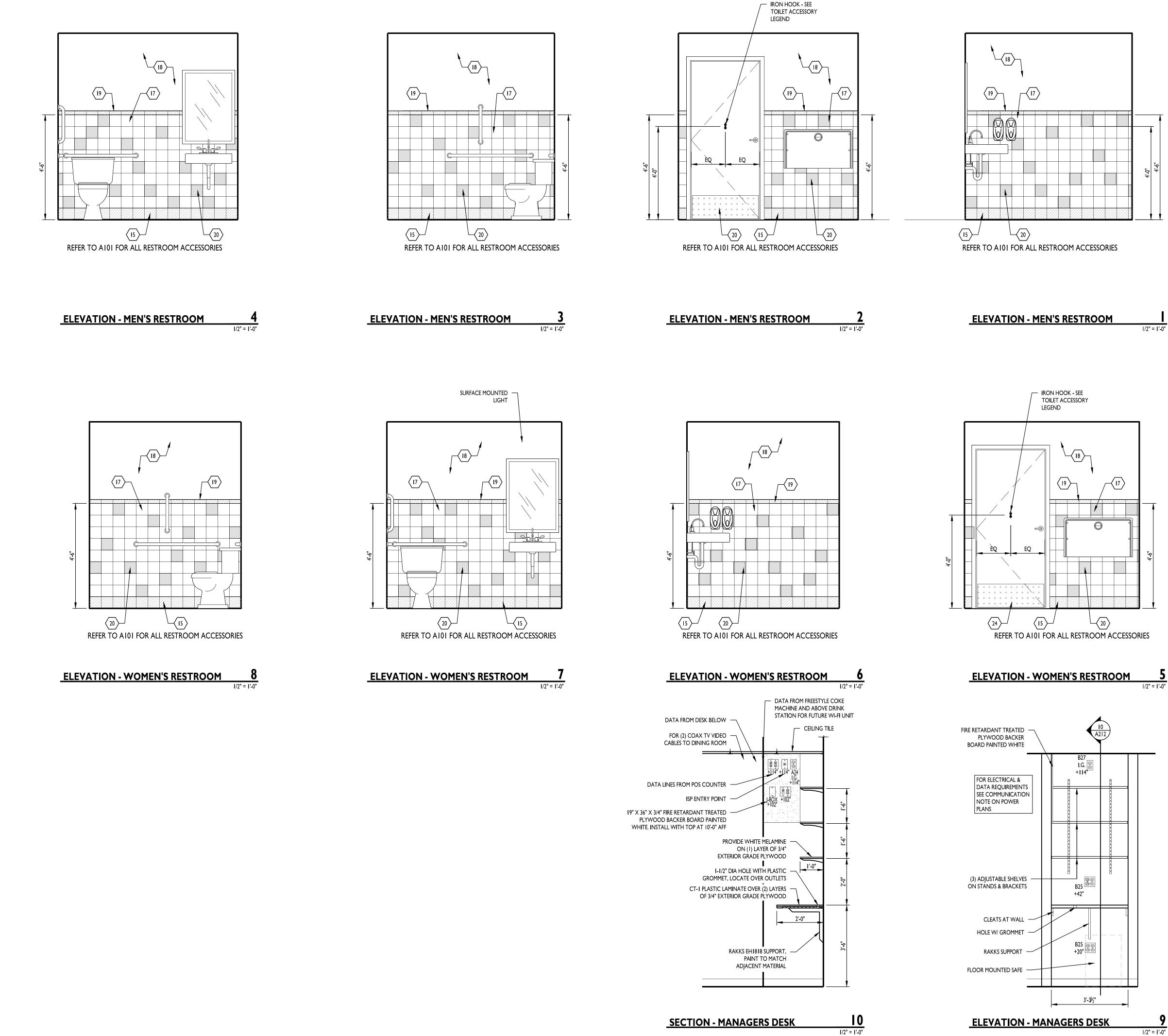
SUBS

FIREHOUSE SUBS 111 SE M291 HVVY STE. 100 LEES SUMMIT, MO 64081

ISSUE	DATES
ISSUE	DATE
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190230





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- 28. ELIASON P-11 PLUS GATE, FINISH TO BE RED. POST HEIGHT 48". NOTE ON MANUFACTURER ORDER

SIGNAGE

		JIGHA	JL	
MARK	ITEM #	DESCRIPTION	SIZE	COLOR
D3	120	BUNK ROOM	10 X 60	
D5	FIRE 106	DEFINITION: HOOK & LADDER	30 X 16	PARCHMENT
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D8	FIRE 109	FIRE ENGINE NO. (PERS)	12 X 60	TRUE RED
D9	FIRE 10	HOOK & LADDER NO. (PERS)	12 X 60	TRUE RED
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DI9	FIRE 200	FIRE TRUCK ALUMINUM SIGN		
D20	FIRE 201	FIRE STATION ALUMINUM SIGN		
D2I	FIRE 202	NO PARKING ALUMINUM SIGN		
D22		FHS MISSION STATEMENT		
D23		THE FOUNDATION LOGO SIGN	36 X 31	
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		DECO	R	
MARK	ITEM #	DESCRIPTION	SIZE	COLOR
				

MARK	ITEM #	DESCRIPTION	SIZE	COLOR
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DI3**	368969144 429	FIRECOAT RACK & PILLTOP HOOK RAIL (BOTH FROM LOWES)	27" LONG	BLACK & SATIN NICKEL
DI4		FIRE HELMET		
DI5		AIR PACK - NOTE 2		
D18	FIRE 119	FIRE CALL BOX		
NOTES:				

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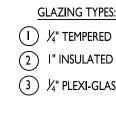
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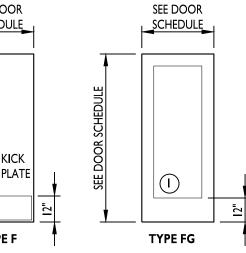
190230 INTERIOR ELEVATIONS



			ΜΑΤΕ	RIALS SCHE	DULE						F	ROOM	1 FIN	ISH S	CHED	ULE	
MARK	MATERIAL	MANUFACTURER	COLOR	PATTERN / TEXTURE	NUMBER	REMARKS	ROOM #	ROOM NAME	FLOORING	BASE	NORTH WALL	EAST WALL	south Wall	WEST WALL	CABINETS / COUNTERTOPS	CEILING MAT	/ REMARKS
B-I	BASE MOLDING	LOWES / HOME DEPOT	GLOSS BLACK	Ix6 PAINT GRADE WOOD		BASE THROUGHOUT STORE		SEATING AREA	F-5	B-I	SEE A210	SEE A210	SEE A211	SEE A211		SEE AI IO	
F-1	QUARRY FLOOR TILE	DAL TILE	DIABLO RED	8x8	0T0188IP	3/8" JOINTS, SEE FINISH PLAN FOR PATTERNS		PREP/SERV		F-2	SEE A210	SEE A210	SEE A211	SEE A210	_	SEE AI IO	DO NOT INSTALL FRP BEHIND WALL BASE. TERMINATE FRP AT TOP OF BASE AND PROVIDE SEALANT JOINT. ALL ELEVATIONS ARE
F-2	COVE BASE	DAL TILE	DIABLO RED	5x8	0T0IQ3585UIP	SANDED GROUT "CUSTOM BUILDING PRODUCTS" - SURECOLOR #60 CHARCOAL 3/8" JOINTS, SEE FINISH PLAN FOR PATTERNS											BASED ON PLAN NORTH, SEE A101. DO NOT INSTALL FRP BEHIND WALL BASE. TERMINATE FRP AT TOP
F-3	COVE BASE	DAL TILE	DIABLO RED	5x8	0T0IQCRL3565UIP	SANDED GROUT "CUSTOM BUILDING PRODUCTS" - SURECOLOR #60 CHARCOAL 3/8" JOINTS, SEE FINISH PLAN FOR PATTERNS	103	STAGING	F-I	F-2	₩-3	W-3	W-3	W-3	-	SEE AI IO	OF BASE AND PROVIDE SEALANT JOINT. ALL ELEVATIONS ARE BASED ON PLAN NORTH, SEE A101.
F-4	COVE BASE	DAL TILE	DIABLO RED	5x8	0T0IQBRL3565UIP	SANDED GROUT "CUSTOM BUILDING PRODUCTS" - SURECOLOR #60 CHARCOAL 3/8" JOINTS, SEE FINISH PLAN FOR PATTERNS	104	WOMEN	F-5	TA-3	SEE A212	SEE 212	SEE A212	SEE A212		SEE AI IO	
F-5	PORCELAIN FLOOR TILE	CREATIVE MATERIALS CORP	ESTATE VINEYARD	6x24	CONTACT: JESSICA SHELDON 518.713.5368	SANDED GROUT "CUSTOM BUILDING PRODUCTS" - SURECOLOR #60 CHARCOAL 3/16" JOINTS, 30% OFFSET SEE FINISH PLAN FOR ORIENTATION	105	MEN	F-5	TA-3	SEE A212	SEE A212	SEE A212	SEE A212		SEE AI IO	
W-I	GYPSUM BOARD W/ DOUBLE KNOCK DOWN FINISH					REFER TO INTERIOR ELEVATIONS	106	HALL	F-5	B-I	SEE A210		SEE A211	SEE A211	-	SEE AI I O	
W-2	GYPSUM BOARD W/ SMOOTH FINISH					REFER TO INTERIOR ELEVATIONS											
W-3	FRP BOARD	CRANE COMPOSITES	WHITE	EMBOSSED W/ SUFASEAL FINISH	.090 WHITE (85)	EXTEND ABOVE CEILING, DO NOT EXTEND BEHIND TILE WALL BASE. ("OR EQUAL" MANUFACTURER AND LOOK WILL ALSO BE EXPECTED)						D	OOR	SCHE	DULE		
W-4	SMOOTH FINISH GYPSUM BOARD		see paint color	LEVEL 4 FINISH	-	SMOOTH FINISH ON GYPSUM BOARD. SEE INTERIOR ELEVATIONS	MARK		SIZE	MATERIA							HARDWARE REMARKS
M-I	BASE MOLDING	LOWES / HOME DEPOT	BLACK		-	WATERPROOF MATERIAL. EACH SIDE FOR MINIMUM 6" ABOVE FINISH FLOOR MATERIAL, SHALL BE A SMOOTH PAINTABLE PRODUCT. SUGGESTED FYPON, SINTRA, OR EQUAL. ARCHED OPENING AND BACK OF HOUSE.	101A 101B	EXIST FG EXIST FG	3'-0" × 7'-0" 3'-0" × 7'-0"	AL	EXIS ⁻ EXIS ⁻	г	– EXI – EXI	ST EXIS	T EXIST		2 DOOR AND HARDWARE BY LANDLORD 2 DOOR AND HARDWARE BY LANDLORD
M-2	CHAIR RAIL	LOWES #27215 HOME DEPOT #369-594	BLACK			CHAIR RAIL	102	E EXISTING F	3'-0: X 7'-0" 3'-0" X 7'-0"	N/A AL	N/A P-I		– N/. – EXI			N/A	N/A CUSTOM SWING GATE, RED 2 PANIC HARDWARE WHERE REQUIRED
M-3	CROWN MOLDING	LOWES #82051 HOME DEPOT #734-072	BLACK			CROWN MOLDING	104	F	3'-0" X 7'-0"	SCWD	P-I		– F	I HM	P-I		I KICK PLATE ON BOTH SIDES OF DOOR
P-I	PAINT	SHER-CRYL	GLOSS SAFETY RED		B66R00300		105	F	3'-0" X 7'-0"	SCWD	P-I		– F	MH I	P-I		I KICK PLATE ON BOTH SIDES OF DOOR
P-2	PAINT	SHER-CRYL	GLOSS BLACK		B66B00300		DOOR AND FRAME ELEVATIONS										
P-3	PAINT	PROMAR 200	SEMI GLOSS WHITE		B31W12651						DO	OR A	NDF	KAMI	ELE		NS
P-4	PANT		WHITE	WATER BASED CATALYZED	B70W200												
P-5	PAINT		BLACK	PROFESSIONAL DRYFALL EGGSHELL	-								GLAZING TYPES:				
P-6	PAINT	ULTRA SPEC 500	GRAY HUSKIE	SATIN	#1473	ALL WALLS WITH PAINT						\mathbf{U}	¼" TEMPERED I" INSULATED				
T-I	THIN BRICK	MARION BRICK & CLAY	TAVERN FLASH	2 1/4" x 7 5/8" CORNERS AND FACE - STANDARD	300	TYPE S PORTLAND CEMENT SANDED MORTAR, CONCRETE GREY						3	¼" PLEXI-GLAS	S			
T-2	CERAMIC WALL TILE	DAL TILE	WHITE	6x6	D190	DRY WHITE GROUT-UNSANDED, #381				SEE DC			SEE DOOR				
T-3	CERAMIC WALL TILE	DAL TILE	VERMILLION RED	6x6	DMI	DRY WHITE GROUT-UNSANDED, #381			+			⊧	SCHEDULE			- <u>-</u>	
TA-I	CERAMIC WALL TILE	DAL TILE	BLACK	2x6 BULLNOSE	S4269	DRY WHITE GROUT-UNSANDED, #381			ų			щ				Î	
TA-2	CERAMIC WALL TILE	DAL TILE	BLACK	2x2 BULLNOSE CORNER	SN4269	DRY WHITE GROUT-UNSANDED, #381			CHEDUI			CHEDUI				EIGHT	
TA-3	CERAMIC WALL TILE	DAL TILE	BLACK	6x6 SQUARE TOP COVE	A3601	CHARCOAL-SANDED, #60			DOOR S	 		DOORS				OOR H	NOON H NOON H
TA-4	CERAMIC WALL TILE	DAL TILE	ARCTIC WHITE	2x6 BULLNOSE	S4269	DRY WHITE GROUT-UNSANDED, #381			SEE [F		SEE					
TA-5	CERAMIC WALL TILE	DAL TILE	ARCTIC WHITE	SINKRAIL TILE	WA8262	DRY WHITE GROUT-UNSANDED, #381		Ц Ц ТҮРЕ Е	<u>†</u>			<u> </u>	TYPE FG	12			↓ TYPE FI TYPE F2
TA-6	CERAMIC WALL TILE	DAL TILE	BLACK	SCR TILE	WA8262	DRY WHITE GROUT-UNSANDED, #381		SWING GATE			1			I			PAINTED PAINTED METAL METAL
TA-7	CERAMIC WALL TILE	DAL TILE	BLACK	SCR TILE	LA3602 R / L / ET	DRY WHITE GROUT-UNSANDED, #381											
CT-I	PLASTIC LAMINATE	WILSONART	HOLLYBERRY RED	MATTE FINISH	D307-60												
CT-2	STAINLESS STEEL		#4 FINISH	I8 GA													
CT-3				I/I6" TREAD BRITE		SECURE TO WALL W/ LOCTITE 375 ADHESIVE, PROVIDE ALUMINUM GRAY SEALANT AROUND PERIMETER AND JOINTS.											
CT-4	ALUMINUM DIAMOND PLATE	CUTS METAL	GUNMETAL GRAY	WAINSCOTT		CUTS METAL 970-800-3173: WWW.CUTSMETAL.NET. GRAY SEALANT AROUND PERIMETER AND JOINTS.											
ACT-I	ACOUSTICAL CEILING TILE	USG	WHITE	RADAR	2220 SLT EDGE	CLIMA-PLUS PANELS DX GRID											
ACT-2	ACOUSTICAL CEILING TILE	USG	WHITE	CLEAN ROOM	3260 SQ EDGE	CLIMA-PLUS PANELS DXLA GRID											
ST-I	WOOD STAIN	RUSTOLEUM	KONA														
51-1	WOOD STAIN	MINWAX	DARK WALNUT			ALTERNATE											
TP-I	TOILET PARTITIONS	ATLANTA SUNBELT	HOLLYBERRY RED		-	REFER TO FLOOR PLAN											
L-I	PUSH-TO-CLOSE LATCH	southco	SILVER	BEVERAGE COUNTER LATCH	MEDIUM #64-21-10	SEE BEVERAGE COUNTER DETAILS											
UV-I	CLEAR GLAZING	NATIONAL GLAZING SOLUTIONS	CLEAR	WINDOW	CX60-TSER 38% VLT 60%	OPTIONAL											
BL-I	BLINDS	GRABAR	CHARCOAL	LIGHT WEAVES	3% SCREEN	OPTIONAL											



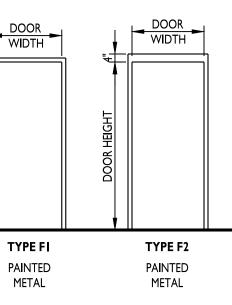








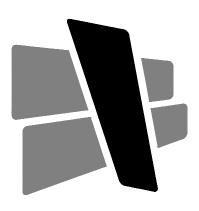
REMARKS
DO NOT INSTALL FRP BEHIND WALL BASE. TERMINATE FRP AT TOP OF BASE AND PROVIDE SEALANT JOINT. ALL ELEVATIONS ARE BASED ON PLAN NORTH, SEE A101.
DO NOT INSTALL FRP BEHIND WALL BASE. TERMINATE FRP AT TOP OF BASE AND PROVIDE SEALANT JOINT. ALL ELEVATIONS ARE BASED ON PLAN NORTH, SEE A101.
HARDWARE REMARKS



GENERAL DOOR HARDWARE NOTES

ALL DOOR HARDWARE SHALL BE HEAVY DUTY, GRADE I, COMMERCIAL QUALITY.

- B. WHERE "EXIT DEVICE" IS SPECIFIED, AN ADA COMPLIANT PANIC EXIT DEVICE EQUAL TO VON DURPIN SERIES 98/99 SHALL BE PROVIDED.
- C. ALL HARDWARE TO HAVE SATIN ALUMINUM ANODIZED FINISH.
- D. DOOR HARDWARE SHALL MEET THE REQUIREMENTS OF IBC 1008.1.9.1. HARDWARE SHALL NOT REQUIRE PINCHING, TIGHT GRASPING, OR TWISTING OF THE WRIST IN ORDER TO OPERATE.
- DOOR HARDWARE MOUNTING HEIGHT IN ACCORDANCE WITH IBC 1008.1.9.2. ALL LOCKS, DOOR HANDLES, PULLS, LATCHES, OR OTHER OPERATING HARDWARE IS REQUIRED TO BE LOCATED BETWEEN 36 AND 48 INCHES ABOVE FINISHED FLOOR.



CURRAN ARCHITECTURE 5719 LAWTON LOOP E. DR. #212 INDIANAPOLIS, IN 46216 O :: 317.288.0681

F :: 317.288.0753

DOOR HARDWARE

HARDWARE SET #01

- 3 HINGES
- I CLOSER
- I PRIVACY LOCKSET
- I PERIMETER SEAL
- 2 KICK PLATE 34X12
- I WALL STOP

HARDWARE SET #02

EXISTING HARDWARE

HARDWARE SET #03

- 3 HINGES
- I CLOSER
- I PASSAGE SET
- 3 MUTES
- 2 KICK PLATE 34X12
- I WALL STOP

HARDWARE SET #04

- 3 HINGES
- I STOREROOM LOCKSET
- 3 MUTES
- 2 KICK PLATE 34X12
- I WALL STOP



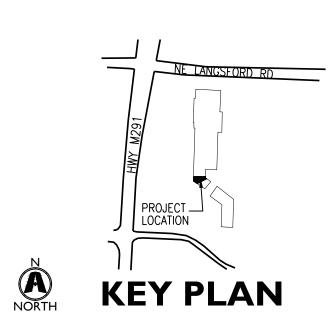
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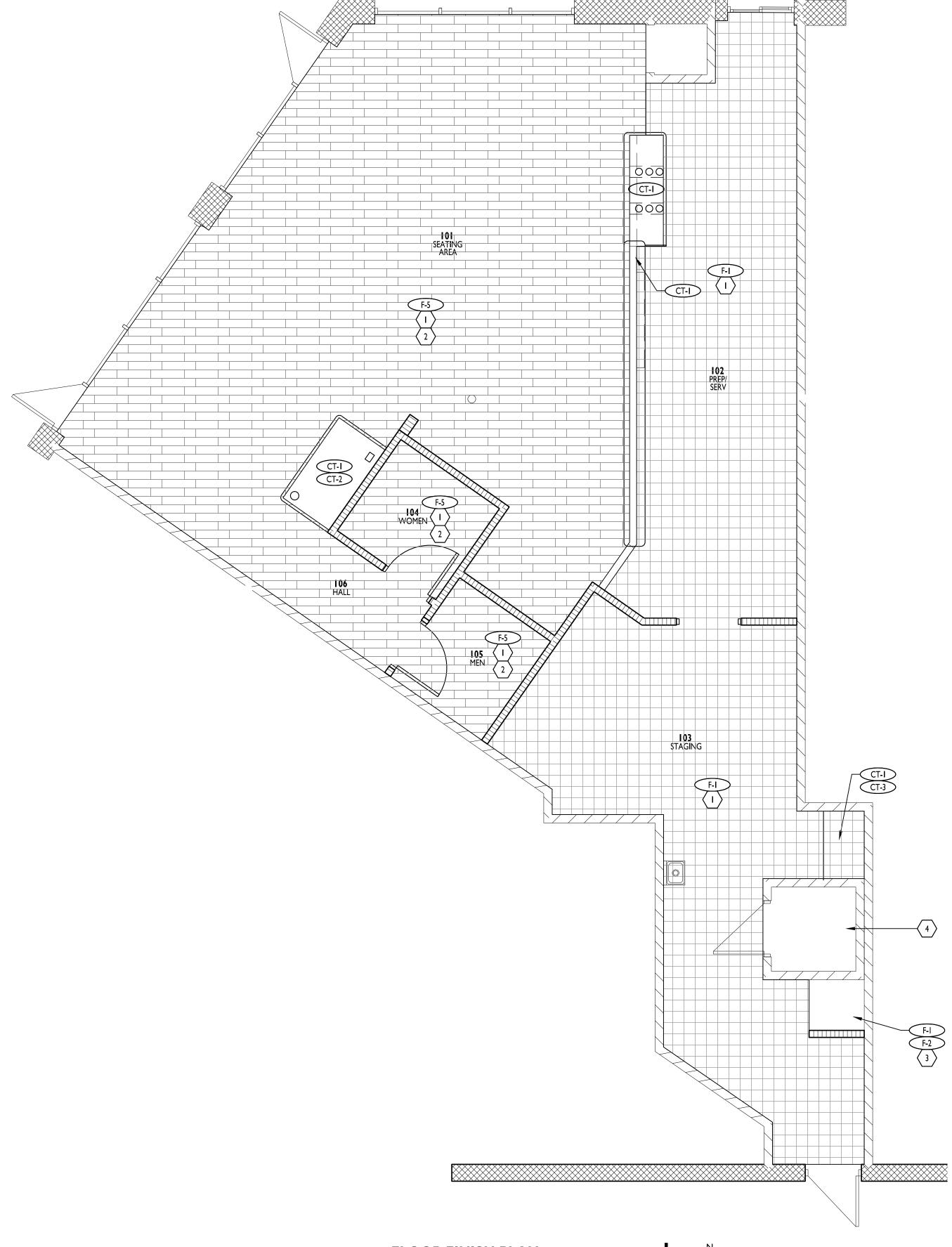
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BID SET	11/13/20



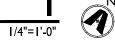
190230 DOOR & FINISH

SCHEDULES



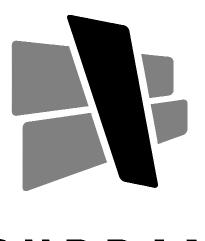


FLOOR FINISH PLAN



KEYED NOTES

- I. PROVIDE MASONITE FLOOR PROTECTION AFTER INSTALLATION OF FLOOR TILE.
- PORCELAIN PLANK TILES INSTALLED W/ 30% OFFSET AND 3/16" JOINT SPACING. SEE MATERIAL SCHEDULE.
- 3. MOP SINK TO BE FINISHED WITH QUARRY TILE. SEE DETAILS FOR ADDITIONAL INFORMATION.
- 4. G.C. TO COORDINATE COOLER FLOOR WITH COOLER MANUFACTURER







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ISSUE	DATE
BID SET	11/13/20

190230 FLOOR FINISH PLAN





DEMOLITION NOTES:

- . EXISTING HVAC PIPING, DUCTWORK AND EQUIPMENT SHOWN IS BASED ON EXISTING AND FIELD OBSERVATION WITHOUT DEMOLITION. DURING DEMOLITION, ANY CLARIFICATION REQUIRED TO DETERMINE SCOPE OF WORK SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER.
- 2. THE CONTRACTOR SHALL VISIT THE JOB SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH EXISTING CONDITIONS, PRIOR TO STARTING DEMOLITION.
- . DRAWINGS DO NOT SHOW EVERY EXISTING PIPE, CONDUIT, DUCT, ETC. CONTRACTOR SHALL TAKE CARE TO REMOVE ONLY ITEMS REQUIRED TO BE REMOVED AND VERIFY PIPES, DUCTS, ETC. BEFORE REMOVAL.

SHEET METAL GENERAL NOTES

- 1. INSTALL CEILING REGISTERS A MINIMUM OF 12" FROM EXTERIOR WALL.
- SUPPLY AIR DISCHARGE BEFORE ANY TAKEOFFS OR ELBOWS. B. PROVIDE LOCKING QUADRANT VOLUME BALANCING DAMPERS AT ALL BRANCH TAKEOFFS TO

2. PROVIDE A MINIMUM OF THREE TIMES THE FAN DIAMETER OF STRAIGHT DUCTWORK OFF THE

- CEILING/SIDEWALL SUPPLY AND EXHAUST DEVICES 4. SPACE ABOVE CEILING IS TO BE USED AS A RETURN AIR PLENUM WHERE DUCTWORK IS NOT
- . PROVIDE ACCESS DOORS IN DUCTWORK WHERE INDICATED OR REQUIRED FOR ACCESS TO SYSTEM COMPONENTS INCLUDING THE FOLLOWING: DAMPER MOTORS AND/OR MOTOR OPERATED DAMPERS, FIRE DAMPERS AND SMOKE DAMPERS.
- 6. DUCT DIMENSIONS SHOWN ON DRAWINGS ARE NET FREE INTERIOR, NOT INCLUDING LINING OR INSULATION.
- CONTRACTOR MAY RESIZE DUCTWORK SHOWN ON DRAWINGS IF REQUIRED PROVIDED RESIZED DUCTWORK HAS SAME CROSS SECTIONAL AREA AS SPECIFIED DUCT SIZE

VENTILATION REQUIREMENTS

ZONE: DINING AREA SYSTEM: NEW ROOFTOP UNIT RTU-1 ZONE FLOOR AREA: 976 sf ZONE DESIGN POPULATION: 68 occ OA REQ'D PER UNIT AREA: 0.18 cfm/sf OA REQ'D PER PERSON: 7.5 cfm/occ SYSTEM VENTILATION EFFECTIVENESS RATIO: 0.8 OUTSIDE AIR REQUIRED FOR ZONE =857 cfm

INDICATED ABOVE RETURN AIR GRILLES.

ZONE: SERVING AREA SYSTEM: NEW ROOFTOP UNIT RTU-1 ZONE FLOOR AREA: 332 sf ZONE DESIGN POPULATION: 7 occ OA REQ'D PER UNIT AREA: 0.18 cfm/sf OA REQ'D PER PERSON: 7.5 cfm/occ SYSTEM VENTILATION EFFECTIVENESS RATIO: 0.8 OUTSIDE AIR REQUIRED FOR ZONE = 140 cfm

ZONE: STAGING AREA SYSTEM: NEW ROOFTOP UNIT RTU-1 ZONE FLOOR AREA: 395 sf ZONE DESIGN POPULATION: 8 occ OA REQ'D PER UNIT AREA: 0.18 cfm/sf OA REQ'D PER PERSON: 7.5 cfm/occ SYSTEM VENTILATION EFFECTIVENESS RATIO: 0.8 OUTSIDE AIR REQUIRED FOR ZONE = 164 cfm

GENERAL NOTES: 1. GENERAL NOTES ON THIS DRAWING ARE APPLICABLE TO EACH MECHANICAL DRAWING OF THIS SET. SEE EACH DRAWING FOR SPECIFIC NOTES APPLICABLE TO THAT DRAWING. 2. OUTSIDE AIR INTAKE OPENINGS FOR VENTILATION AIR SHALL BE LOCATED 10 FEET MEASURED SYMBOL IN ANY DIRECTION FROM ANY FLUES, VENTS, CHIMNEYS, GAS METERS, GAS REGULATORS, PLUMBING VENTS UNLESS TOP OF SUCH INTAKE OPENING IS 2 FEET BELOW ANY OF THE LISTED ITEMS. 3. OVERHEAD PIPING IN SPACES WITHOUT HUNG CEILINGS SHALL BE RUN AS CLOSE TO ROOF ×××××××××××××××× DECK AS PRACTICABLE, AS CLOSE TO PARALLEL JOISTS AS POSSIBLE AND ABOVE LIGHTING FIXTURES TO CONCEAL PIPING. 4. OVERHEAD DUCTWORK AND PIPING IN SPACES WITH CEILINGS SHALL BE CONCEALED UNLESS OTHERWISE NOTED. 5. COORDINATE LOCATION OF GRILLES, REGISTERS, DIFFUSERS, THERMOSTATS AND OTHER WALL OR CEILING MOUNTED HVAC ACCESSORIES WITH REFLECTED CEILING PLAN. COORDINATE $-\bigcirc$ LIGHTING FIXTURE LAYOUT AND ACCESSORIES INSTALLED BY OTHER TRADES SO AS TO PRESENT A NEAT AND ATTRACTIVE INSTALLATION THROUGHOUT THE ENTIRE BUILDING. IT IS THE INTENT FOR CEILING MOUNTED GRILLES, REGISTERS AND DIFFUSERS TO BE INSTALLED IN HVAC PIPINO THE CENTER OF CEILING PANELS. SYMBOL 6. ARRANGE PIPING AND DUCTWORK, PARTICULARLY ABOVE CEILING, AS REQUIRED TO CLEAR ——HWS—— -----HWR------STRUCTURE, DUCTS, CONDUIT, ETC., ALLOWING SPACE FOR PIPE HANGERS, EXPANSION LOOPS ——CHS—— AND ACCESS TO VALVES, FILTERS AND MAINTENANCE OF EQUIPMENT. -----CHR------____ CS ____ . THE DIAMETER OF THE SUPPLY PIPE AT ANY GAS FIRED EQUIPMENT SHALL NOT BE OF A ----- CR -----SMALLER SIZE THAN THE INLET CONNECTION TO THE EQUIPMENT. ____LPS ____ ----- LPC -----8. EQUIPMENT WITH FILTERS SHALL BE INSTALLED SO THAT FILTERS CAN BE EASILY REMOVED AND REPLACED. -----HPC -----9. CONTRACTOR SHALL VERIFY REFRIGERANT PIPE SIZES WITH EQUIPMENT MANUFACTURER FOR — PC — — D — THE INDICATED INSTALLATION. ------ RL ----------- RS -----10. COORDINATE LOCATION AND INSTALLATION OF EQUIPMENT WITH OTHER TRADES. ------RHG-------——FOS—— -----FOR ------11. THERMOSTATS SHALL BE LOCATED IN THE ROOMS INDICATED. INSTALL AT 4'-0" ABOVE FINISH ----- FOV ------FLOOR. GENERAL 12. VALVES AND SPECIALTIES SHALL BE LINE SIZE, EXCEPT FOR CONTROL & BALANCING VALVES SYMBOL OR UNLESS NOTED OTHERWISE. 13. EXTEND DRAIN LINES TO NEAREST FLOOR DRAIN OR AS INDICATED. ROUTING SHALL NOT # INTERFERE WITH PASSAGEWAYS AND MAINTENANCE. DRAINS FROM AIR CONDITIONING CONDENSATE DRAIN PANS SHALL BE TRAPPED. SLOPE SUSPENDED CONDENSATE DRAIN PIPING AT 1/8" PER FOOT (1 PER 100). (# SHT.# 14. PIPING AND DUCTWORK INSULATION SHALL BE RUN CONTINUOUSLY THROUGH NON-RATED FLOORS, WALLS AND PARTITIONS, UNLESS OTHERWISE NOTED. EQUIP-X \square 15. NO PIPING SHALL BE SMALLER THAN 1/2" UNLESS OTHERWISE NOTED. 16. RUN-OUTS SHALL PITCH DOWN IN DIRECTION OF FLOW A MINIMUM OF 1/8" PER FOOT (1PER 100). 7. FOR PIPE SIZES NOT INDICATED ON PLANS SEE EQUIPMENT CONNECTION DETAILS, FLOW SYMBOL DIAGRAMS, RISER DIAGRAMS AND SCHEDULES. (H) 18. PROVIDE UNION OR FLANGED CONNECTIONS AT EACH PIECE OF EQUIPMENT AND ON BOTH PS SIDES OF CONTROL VALVES AND PRESSURE REGULATING VALVES. PROVIDE SHUT-OFF VALVES S ON BOTH SIDES OF AUTOMATIC VALVES. T 19. RELIEF VALVE DRAIN PIPING SHALL BE EXTENDED TO 6" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED. $\overline{\Lambda}$ SD 20. FLOOR MOUNTED EQUIPMENT IN THE MECHANICAL ROOM SHALL BE LOCATED ON 6" THICK CONCRETE PADS WITH CHAMFERED EDGES UNLESS OTHERWISE NOTED. \$1 21. PIPING SHALL BE SUPPORTED IN ACCORDANCE WITH THE SPECIFICATION. ADDITIONAL SUPPORTS OR HANGERS SHALL BE ADJACENT TO ELBOWS, TO PREVENT WEIGHT OF PIPING BEING PLACED ON THE EQUIPMENT. 22. CORRECT SETTING ON BALANCING FITTINGS SHALL BE PERMANENTLY MARKED. _____ 23. LOCATE AND SIZE CONCRETE PADS AND CURBS FOR MECHANICAL EQUIPMENT IN ACCORDANCE WITH ACTUAL EQUIPMENT PURCHASED. 24. FOR LOCATION OF MOTOR STARTERS, SEE ELECTRICAL DRAWINGS. AFF ABOVE FINISHED FLOOF AFG ABOVE FINISHED GRADE ALP ALARM PANEL AP ACCESS PANEL BFP BACKFLOW PREVENTER CB CATCH BASIN

HVAC LEGEND NOT ALL ITEMS LISTED BELOW ARE USED ON THIS SET OF DRAWINGS PIPING SYMBOLS PIPING SYMBOLS DESCRIPTION DESCRIPTION SYMBOL ARROW IN LINE BALANCING VALVE/ INDICATES DIRECTION FLOW MEASURING DEVICE OF FLOW BALL VALVE INDICATES PIPE SLOPE DOWN -Ř-OS&Y GATE VALVE REMOVE EXISTING $-\bowtie$ SHUT-OFF VALVE BOTTOM PIPE CONNECTION -> GLOBE VALVE PIPING UP ┦╲┝╴ CHECK VALVE PIPING DOWN BUTTERFLY VALVE PIPING CAP OR PLUG FLOW SWITCH PUMP -K-SOLENOID VALVE -1X1--PRESSURE REDUCING DESCRIPTION GAS VALVE HOT WATER SUPPLY HOT WATER RETURN MIXING VALVE CHILLED WATER SUPPLY CHILLED WATER RETURN CONDENSER SUPPLY REDUCED PRESSURE RBFP CONDENSER RETURN BACKFLOW PREVENTER LOW PRESSURE STEAM LOW PRESSURE ATMOSPHERIC VACUUM CONDENSATE BREAKER HIGH PRESSURE STEAM HIGH PRESSURE \sim RELIEF VALVE CONDENSATE PUMPED CONDENSATE EQUIPMENT DRAIN REFRIGERANT LIQUID STRAINER REFRIGERANT SUCTION REFRIGERANT HOT GAS STRAINER WITH FUEL OIL SUPPLY BLOW-OFF VALVE FUEL OIL RETURN FUEL OIL VENT UNION PRESSURE GAUGE DESCRIPTION THERMOMETER REFERENCE BUBBLE ____P/T DETAIL NUMBER OR SECTION LETTER PRESSURE AND REFERENCE DRAWING TEMPERATURE TAP CONCENTRIC REDUCE RISER BUBBLE ECCENTRIC REDUCER DESIGNATION FLEXIBLE CONNECTOR MECHANICAL / PLUMBING EQUIPMENT DESIGNATION 0 AREA/FLOOR DRAIN POINT OF DISCONNECT EXPANSION JOINT CONNECT NEW TO PIPE ANCHOR EXISTING ____ ALIGNMENT GUIDE \longrightarrow PLUG VALVE CONTROL DEVICES AND DAMPERS DESCRIPTION UTOMATIC 2-WAY TEMPERATURE CONTROL HUMIDISTAT AUTOMATIC 3-WAY $--\overline{k}$ TEMPERATURE CONTROL PRESSURE SENSOR FLOW SWITCH SENSOR \otimes THERMOSTATIC STEAM WALL MOUNTED THERMOSTAT UNIT MOUNTED THERMOSTAT \otimes FLOAT & THERMOSTATIC STEAM TRAP INVERTED BUCKET DUCT SMOKE DETECTOR STEAM TRAP SWITCH (* INDICATES EQ.) MANUAL AIR VENT FIRE DAMPER COMBINATION FIRE AND SMOKE DAMPER MANUAL VOLUME DAMPER W/LOCKING QUADRANT MOTORIZED DAMPER ABBREVIATIONS EXISTING LINE CLEAN OU ELECTRICAL CONTRACTOR MECHANICAL CONTRACTOR ELEVATION MH MANHOLE

FLOOR CLEAN OUT

FIRE PROT. CONTRACTOR

GENERAL CONTRACTOR

INVERT ELEVATION

KEC KIT. EQ. CONTRACTOR

CENTERLINE

DNZ DOWNSPOUT NOZZLE

NEW

NORMALLY CLOSED

NORMALLY OPEN

NIC NOT IN CONTRACT

NTS NOT TO SCALE







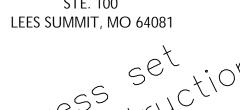
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PROJECT INFORMATION













progress set for construction

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ISSUE DATES

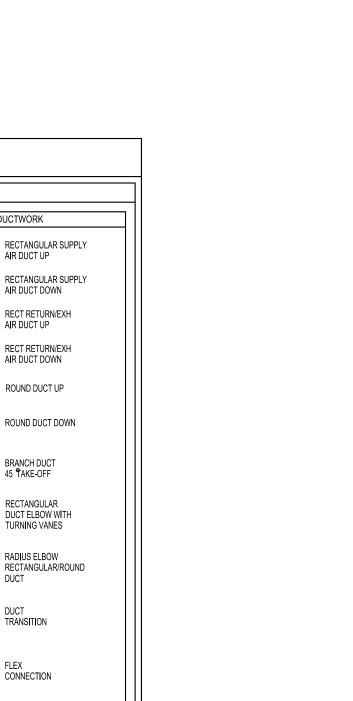
PERMIT/CONSTRUCTION 11.11.2020

PROJECT NUMBER:

DATE

SSUE

THIS DRAWING AND THE IDEAS, DESIGNS



CONNECTION MANUAL VOLUME DAMPER W/LOCKING QUADRANT SINGLE LINE DUCTWORK -RECTANGULAR SUPPLY AIR DUCT UP \ge RECTANGULAR SUPPLY AIR DUCT DOWN -17 RECT RETURN/EXH AIR DUCT UP RECT RETURN/EXH AIR DUCT DOWN \checkmark ROUND DUCT UP ROUND DUCT DOWN BRANCH DUCT 45 TAKE-OFF RECTANGULAR DUCT ELBOW WITH TURNING VANES RADIUS ELBOW RECTANGULAR/ROUND ____D____ DUCT TRANSITION CONICAL SPIN-IN \frown FITTING CONICAL SPIN-IN FITTING W/DAMPER 1888-3385 FLEXIBLE DUCT

DOUBLE LINE DUCTWORK

AIR DUCT UP

AIR DUCT UP

BRANCH DUCT

45 **1**AKE-OFF

RECTANGULAR

TRANSITION

PSCO SURFACE CLEAN OUT SCO SAFETY RELIEF VALVE SRV TYPICAL WCO WALL CLEAN OUT

POC POINT OF CONNECTION

VTR VENT THROUGH ROO

PRESSURE REDUCING VALVE PUBLIC SERVICE COMPANY TMV THERMOSTATIC MIXING VALVE

HVAC SPECIFICATIONS

BASIC REQUIREMENTS:

ALL OF THE DRAWINGS AND SPECIFICATIONS ARE CONSIDERED A PART OF THE CONTRACT THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEARCHING ALL CONTRACT DOCUMENTS TO DETERMINE THE SCOPE OF WORK REQUIRED IN FINAL CONNECTIONS TO EQUIPMENT PROVI OTHER CONTRACTS OR CONTRACTORS. IT IS THE INTENT OF THE DRAWINGS TO PROVIDE AS INFORMATION AS POSSIBLE ON EQUIPMENT PROVIDED BY OTHERS. HOWEVER, THE EXTENT CONNECTIONS AND TYPE OF FINAL CONNECTIONS SHALL BE DETERMINED BY THE ACTUAL EV SUPPLIED BY OTHERS. THIS CONTRACTOR SHALL INCLUDE IN HIS BASE BID, REASONABLE CO INSTALLATION OF EQUIPMENT PROVIDED BY OTHERS. HE SHALL NOT BE AWARDED EXTRA CO THE CONTRACT IS AWARDED UNLESS THE EQUIPMENT SO INSTALLED IS NOT SHOWN ON ANY CONTRACT DOCUMENTS.

WORK INCLUDED UNDER THIS DIVISION SHALL CONSIST OF FURNISHING ALL MATERIALS, SUI EQUIPMENT, TOOLS, INSURANCE, TRANSPORTATION AND FACILITIES, AND PERFORMING ALL SERVICES NECESSARY FOR COMPLETE INSTALLATION OF THE NEW MECHANICAL SYSTEM(S)

ARRANGE FOR PIPE SPACES, CHASES, SLOTS, AND OPENINGS IN BUILDING STRUCTURE DUR PROGRESS OF CONSTRUCTION. TO ALLOW FOR MECHANICAL INSTALLATIONS, COORDINATE REQUIREMENTS FOR ACCESS PANELS AND DOORS FOR MECHANICAL ITEMS REQUIRING ACC ARE CONCEALED BEHIND FINISHED SURFACES.

ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT INTERNATIONAL BUILDIN PLUMBING, MECHANICAL, ENERGY CONSERVATION CODES AND LOCAL JURISDICTION AMMEN PAY FOR ALL FEES AND PERMITS AS ARE NECESSARY FOR THE COMPLTE INSTALLATION OF I SYSTEMS.

DRAWINGS ARE DIAGRAMMATIC, INDICATING ONLY APPROXIMATE LOCATIONS OF SERVICES, APPARATUS, AND PIPING UNLESS NOTED OTHERWISE, AND ARE NOT TO BE SCALED. ACTUAL INSTALLATION MUST CONFORM TO ACTUAL BUILDING CONDITIONS, AND VERIFIED IN THE FIEL ARCHITECT/ ENGINEER RESERVES THE RIGHT TO EFFECT REASONABLE CHANGES IN THE LO EQUIPMENT UP TO THE TIME OF ROUGH-IN WITHOUT ADDITIONAL COST TO THE OWNER. ANY CHANGES SHALL BE APPROVED BY THE ARCHITECT/ ENGINEER. MAINTAIN MANUFACTURERS RECOMMENDED CLEARANCES AROUND ALL EQUIPMENT.

PROJECT SHALL BE COORDINATED WITH THE EXISTING BUIDING SERVICES AND SHALL INCLL ITEMS NECESSARY FOR COMPLETE AND FULLY OPERATIONAL TENANT MECHANICAL SYSTEM CONNECTIONS TO AND EXTEND SYSTEMS INSTALLED BY OTHERS AND/OR FURNISHED BY OT PROVIDE ACCESSORIES AND INCIDENTAL ITEMS AS REQUIRED FOR A COMPLETE AND FULLY OPERATIONAL SYSTEM WHETHER OR NOT SPECIFICALLY SPECIFIED AND/OR SHOWN ON THE

DO NOT SCALE DRAWINGS. COORDINATE WITH OTHER TRADES FOR A COORDINATED INSTAL WITHIN THE AVAILABLE SPACE. WHERE CROWDED CONDITIONS EXIST, PREPARE COORDINATIONS DRAWINGS SHOWING ALL TRADE CONFLICTS AND SUBMIT TO THE ARCHITECT FOR APPROVA DIRECTION PRIOR TO ROUGH-IN OR INSTALLATION. RELOCATION OF INLETS, OUTLETS, AND/O APPARATUS MADE PRIOR TO ROUGH-IN OR REQUIRED BY FIELD CONDITIONS FOR COORDINA BE DONE AT NO ADDITIONAL COST TO THE OWNER OR HIS AGENTS.

ALL WORK SHALL BE PERFORMED BY PROPERLY LICENSED MECHANICS OR UNDER THEIR DI SUPERVISION. ALL MATERIALS AND EQUIPMNT SHALL MEET THE REQUIREMENTS OF THE API STANDARDS OF UL AND SHALL BEAR THE UL LABEL AS EVIDENCE THAT THE MATERIAL AND/O MEETS THIS REQUIREMENT.

INSTALL ALL EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS AND DETAILS UNLESS NOTED IN THESE PLANS.

ALL EQUIPMENT START UP AND TESTING SHALL BE PERFORMED BY THE EQUIPMENT MANUF. TRAINED SERVICE TECHNICIAN.

SUBMIT MANUFACTURER'S LITERATURE (SHOP DRAWINGS) FOR MATERIALS AND EQUIPMENT. SUBMITTAL SHALL INCLUDE EQUIPMENT PERFORMANCE DATA AT ELEVATION A LOCAL CONDITIONS. EQUIPMENT CUTSHEETS OR CATALOG COPIES ARE NOT ACCEPTABLE.

SUBMITTAL SHALL BEAR THE APPROVAL OF THE GENERAL CONTRACTOR FOR COMPLIANCE V COORDINATION AND THESE SPECIFICATIONS PRIOR TO SUBMITTAL TO ARCHITECT AND/OR H AGENCIES.

ANY EQUIPMENT SUBSTITUTED FOR WHAT IS SCHEDULED SHALL BE EQUAL TO THAT SCHEDU CONTROLS, ACCESSORIES, AND PERFORMANCE REGARDLESS OF MANUFACTURER.

SEPARATE PDF FILE PACKAGES SHALL BE SUPPLIED FOR EACH SECTION AND EACH SUBMITT EACH PDF SAHLL REPRESENT A SINGLE STANDALONE SUBMITTAL.

SUBMITTAL AND SHOP DRAWINGS SHALL INDENTIFY EACH SUBMITTED ITEM WITH NUMBERS (IDENTIAL TO THOSE LISTED OR SCHEDULED ON THE DRAWINGS OR SPECIFICATIONS, SUBMIT INCLUDING SUCH MARKINGS WILL BE RETURNED NOT REVIEWED.

SUBMITTING SUBCONTRACTOR SHALL ALLOW FIFTEEN (15) DAYS, FOR REVIEW AND COMMEN FIELD LABEL ALL MECHANICAL EQUIPMENT AND PIPING AS INDICATED ON THE PLANS PER ME

AND LOCAL CODE REQUIREMENTS. INDICATE DIRECTION OF FLOW ON PIPING. PROVIDE 2" DEEP AUXILIARY DRAIN PAN WITH SEPARATE DRAIN LINE UNDER HEATING AND C

COILS (AIR HANDLING UNITS, FAN COIL UNITS, INLINE PUMPS, ETC.) WHERE CONDENSATION (CAN OCCUR.

BASIC MATERIALS:

PROVIDE MECHANICAL SYSTEM CONTROLS, CONTROLLERS, CONTROL TRANSFORMER, DISC STARTERS, CONTROL WIRING, ASSOCIATED CONTROL POWER WIRING, AND ALL WORK NECE A COMPLETE AND OPERATIONAL MECHANICAL SYSTEM.

PROVIDE SUPPLEMENTAL STEEL AND SUPPORTS AS REQUIRED FOR INSTALLATION OF MECH. MATERIALS, EQUIPMENT, AND APPARATUS.

PROVIDE VIBRATION ISOLATION ON ALL MECHANICAL EQUIPMENT. INSTALL FLEXIBLE DUCT CONNECTORS ON ALL AIR HANDLING UNIT SUPPLY OUTLET AND RETURN INLET.

ALL WORK IN FINISHED AREAS SHALL BE CONCEALED UNLESS SPECIFICALLY NOTED AS EXPO THE PLANS. PRIOR TO THE INSTALLATION OF ANY EXPOSED WORK THIS CONTRACTOR SHAL AND OBTAIN ARCHITECTURAL APPROVAL OF LOCATION AND EXTENT.

BALANCE ALL SUPPLY AND EXHAUST OUTLETS TO AIRFLOW SHOWN. FINAL BALANCE MAY HA 10% DISCREPANCY OF THE CFM INDICATED ON THE PLANS. IF THERE IS AN AIR BALANCE DIS GREATER THAN 10%, BALANCE CONTRACTOR SHALL CONTACT ENGINEER. PROVIDE MANUAL ON DIRECT DRIVE UNITS AS REQUIRED TO MEET SPECIFIED AIR QUANITITIES.

CERTIFIED TEST AND BALANACE REPORT SHALL BE PROVIDED TO ENGINEER FOR REVIEW AI AVALIABLE ON-SITE PRIOR TO FINAL MECHANICAL INSPECTIONS

CONFIRM ACTUAL VOLTAGES, PHASE AND CHARACTERISTICS OF EXISTING EQUIPMENT AND A FURNISHED BY TENANT, OTHER TRADES, AND/OR DIVISIONS. CONFIRM PRIOR TO ROUGH-IN. DISCREPANCIES ARE NOTED TO THE INSTRUCTIONS OF THESE PLANS AND SPECIFICATIONS, NOTED DISCREPANCIES TO THE ARCHITECT FOR DIRECTION PRIOR TO PROCEEDING.

		MANUFACTURERS ARE TRANE, CARRIER, LENNOX OR YORK.
DOCUMENTS. O IDED BY S MUCH	PROVIDE DUCT SMOKE DETECTORS FOR AUTOMATIC EQUIPMENT SHUTOFF IN AIR-MOVING SYSTEMS THAT RETURN IN EXCESS OF 2000 CFM TO ENCLOSED SPACES WITHIN BUILDING PER MECHANICAL HAVING JURISDICTION. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE AIR HANDLING UNIT AUTOMATIC SHUT-DOWN WIRING AND DUCT/SMOKE DETECTOR WIRING WHEN REQUIRED.	FURNISH AND INSTALL ELECTRIC DIRECT EXPANSION CONDENSING UNITS AND MATCHING INDOOR EVAPORATOR COILS OF THE SAME MANUFACTURER AS THE MATCHING FURNACE UNIT. PROVIDE REFRIGERANT LINE SETS SIZED PER MANUFACTURER'S RECOMMENDATIONS.
OF FINAL EQUIPMENT OST FOR THE	DETECTORS SHALL BE COMPATIBLE WITH BUILDING FIRE ALARM SYSTEM. SMOKE, FIRE AND COMBINATION FIRE/SMOKE DAMPERS SHALL BE FURNISHED AND INSTALLED BY THE	FURNISH AND INSTALL UNIT COMPLETE WITH ALL OPERATIONAL AND SAFETY CONTROLS FOR SATISFACTORY OPERATION.
OSTS AFTER Y OF THE	MECHANICAL CONTRACTOR. UNITS SHALL BE 120V AND ALL 120V WIRING SHALL BE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. SMOKE, FIRE AND COMBINATION FIRE/SMOKE DAMPERS FURNISHED SHALL BE COMPATIBLE WITH BUILDING FIRE ALARM SYSTEM.	FURNISH AND INSTALL FACTORY FURNISHED PROGRAMMABLE THERMOSTAT. MOUNT AT +45-INCHES AFF.
IPPLIES, . LABOR AND :).	FIRE/SMOKE DAMPERS SHALL BE FURNISHED WITH REMOTE COMMAND STATION EQUIPPED WITH TEST SWITCH, THERMAL TEST RESET SWITCH, OPEN/CLOSE PILOT LIGHT INDICATORS. FIRE/SMOKE DAMPERS FURNISHED BY MECHANICAL CONTRACTOR AND WIRED BY ELECTRICAL CONTRACTOR.	INSPECT AND REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO ATTEMPTING TO SET UNITS. PROVIDE 4-INCH THICK CONCRETE PAD FOR CONDENSING UNIT.
RING CESS THAT	THE CONTRACTOR SHALL LOCATE AND FURNISH FOR INSTALLATION BY OTHERS, ALL ACCESS PANELS AS REQUIRED FOR ACCESS TO VALVES, DAMPERS, MOTORS, ETC. AND THE PROPER SERVICING OF EQUIPMENT AND LINES INSTALLED UNDER THIS CONTRACT.	PROVIDE SECONDARY DRAIN PAN FOR HORIZONTAL MOUNTED FURNACE/COOLING COIL UNIT. TERMIANTE DRAIN TO NEAREST APPROVED RECEPTOR. GAS UNIT HEATERS
	ALL MATIRIAL LOCATED IN CEILING PLENUMS SHALL BE SUITABLE FOR RETURN AIR PLENUM.	FURNISH AND INSTALL NATURAL GAS FIRED HORIZONTAL UNIT HEATERS AS SCHEDULED ON THE PLANS.
NG, FIRE, NDMENTS.	PIPING	UNIT HEATERS SHALL BE AS MANUFACTURED BY TRANE, REZNOR, OR STERLING. HEATERS SHALL BE AGA CERTIFIED AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S
MECHANICAL	HEATING AND CHILLED WATER PIPING SHALL BE SCHEDULE 40 BLACK STEEL WITH THREADDED OR WELDED JOINTS	REQUIREMENTS.
, DUCTWORK,	REFRIGERATION PIPING SHALL BE TYPE ACR COPPER WITH SILVER SOLDERED JOINTS.	FURNISH AND INSTALL UNITS COMPLETE WITH ALL OPERATIONAL AND SAFETY CONTROLS FOR SATISFACTORY OPERATION.
L ELD. THE DCATION OF Y AND ALL S	FIRE STOP ALL PIPING MATERIALS PASSING THROUGH FIRE RATED STRUCTURES OR FIRE RATED ASSEMBLIES IN ACCORDANCE WITH THE REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION. USE CURRENTLY LISTED U.L. CLASSIFIED PRODUCTS, TESTED BY ASTM E814. USE FOR ALL APPLICABLE PIPE PENETRATIONS THROUGH FIRE RATED FLOORS, WALLS, OR FLOOR CEILING ASSEMBLIES IN	FURNISH AND INSTALL FACTORY FURNISHED SPACE THERMOSTAT WITH AUTO ON AND HEAT, OFF SELECTION. MOUNT AT +45-INCHES AFF. MAKE UP AIR UNITS
	ACCORDANCE WITH LOCAL CODE REQUIREMENTS.	FURNISH AND INSTALL NATURAL GAS FIRED MAKE UP AIR UNITS AS SCHEDULED ON THE PLANS. MAKE UF
UDE ALL MS. MAKE THERS.	DUCTWORK DUCTWORK SHALL BE GALVANIZED SHEET METAL INSTALLED IN ACCORDANCE WITH SMACNA	AIR UNIT SHALL BE AS MANUFACTURED BY CAPTIVEAIRE, TRANE, REZNOR, OR STERLING. FURNISH AND INSTALL UNIT COMPLETE WITH ALL OPERATIONAL AND SAFETY CONTROLS FOR
E PLANS.	STANDARDS. INSTALL TURNING VANES IN ALL ELBOWS. ALL SPIN-IN FITTINGS SHALL BE PROVIDED WITH MANUAL VOLUME DAMPERS. ALL EXPOSED ROUND DUCTWORK SHALL BE SPIRAL DUCT.	SATISFACTORY OPERATION.
	DUCT SIZES SHOWN ON THE DRAWINGS ARE NET INSIDE FREE AREA.	FURNISH AND INSTALL FACTORY FURNISHED DISCHARGE OPERATIONAL THERMOSTAT AND OPERABLE 100% OUTDOOR AIR INTAKE DAMPER.
ATION AL AND /OR	EQUIPMENT FLEXIBLE DUCTWORK CONNECTION NOT TO EXCEED 5 INCHES IN LENGTH WITH A MAX. 25 FLAME/50 SMOKE INDEX.	CONTROL SYSTEM
ATION SHALL	FLEXIBLE DUCTWORK TO AIR DEVICES SHALL HAVE A MAXIMUM STRETCHED LENGTH OF 5 FEET.	FURNSIH AND INSTALL A COMPLETE SYSTEM OF ELECTRIC/ELECTRONIC CONTROL FOR THE SYSTEMS INSTALLED TO PROVIDE THE FOLLOWING SEQUENCES OF OPERATION.
IRECT PLICABLE	SUITABLE FOR RETURN AIR PLENUM. LOW PRESSURE (<2" STATIC PRESSURE) SHEETMETAL DUCTWORK SHALL BE SEALED WITH	SYSTEMS SHALL BE INDEPENDENT AND STAND ALONE IN OPERATION AND SEQUENCE.
OR EQUIPMNT	WELDS, GASKETS, MASTIC ADHESIVES, MASTIC-PLUS-EMBEDED FABRIC. OR TAPES.	SINGLE ZONE ROOFTOP UNITS AND FURNACE/CONDENSING UNITS A 7-DAY PROGRAMMABLE THERMOSTAT SHALL CONTROL THE OPERATION OF THE UNIT. DESIRED
OTHERWISE	MEDIUM PRESSURE (>2" AND <3" STATIC PRESSURE) SHEETMETAL DUCTWORK SHALL BE SEALED WITH SMACNA SEAL CLASS "A" DUCT SEALANT	OCCUPIED AND UNOCCUPIED HEATING AND COOLING SETPOINTS ARE PROGRAMMED VIA THE TERMOSTAT. FAN OPERATION IS DETERMINED BY THE POSITION OF THE FAN 'ON-AUTO' SWICH. AS WELL AS BY THE MODE OF OCCUPANCEY, FAN SHALL RUN CONTINUOULSY IN OCCUPIED MODE. HEATING AND
ACTURER	ALL FLUE GAS DUCTWORK TO BE METALBESTOS TYPE B VENTING OR EQUAL UNLESS OTHERWISE NOTED ON PLANS.	COOLING OPERATION AS DESCRIBED HEREIN ASSUMES THE SYSTEM 'HEAT-AUTO-COOL-OFF' SWITCH IS IN THE 'AUTO' POSITION
	INSULATION	ELECTRIC HEAT LOCAL ELECTRIC UNIT HEATERS SHALL BE CONTROLLED BY LOCAL SPACE THERMOSTATS WITH HEAT
AND/OR	ALL ROUND CONCEALED RIGID SUPPLY DUCTWORK SHALL BE EXTERNALLY WRAPPED IN 1.5" THICK GLASS FIBER INSULATION WITH FIRE RETARDANT VAPOR BARRIER (MINIMUM R-8)	OFF, FAN AUTO AND CONTINUOUS SWITCHES OR SELF CONTAINED UNIT SPACE THERMOSTATS AS APPROPRIATE.
WITH HIS	ALL RECTANGULAR DUCTWORK SHALL BE LINED WITH 1.5" THICK 2 POUND DENSITY (MINIMUM R-8) GLASS FIBER ACOUSTIC DUCT LINER.	MINI-SPLIT SYSTEMS UNIT SHALL BE CONTROLLED THROUGH REMOTE THERMOSTAT.
ULED IN	ALL DUCTWORK EXPOSED TO OUTDOOR AMBIENT TYPE CONDITIONS SHALL BE EXTERNALLY WRAPPED IN 3" RIGID INSULATION (MINIMUM R-12) AND COVERED WITH MINIMUM 24 GAGE SHEET METAL COVER.	EXHAUST FANS TOILET AND JANITOR ROOM EXHAUST FANS SHALL BE INTERLOCKED WITH LIGHT SWITCH. KITCHEN HOOD EXHAUST FANS SHALL BE INTERLOCKED WITH MAKE-UP AIR UNITS, PROVIDE PACKAGE
TAL TYPE,	ALL DUCTWORK LOCATED IN RETURN AIR PLENUM OR UNCONDITIONED SPACE SHALL BE WRAPPED IN 1.5" THICK INSULATION (MINIMUM R-8).	EXHAUST/MAKE-UP AIR CONTROL PANEL MOUNTED ON WALL IN KITCHEN GAS UNIT HEATERS
OF LETTERS	ALL COLD AND HOT WATER PIPING SHALL HAVE A MINIMUM CONDUCTANCE VALUE BETWEEN 0.21 AND 0.28	UNIT SHALL BE CONTROLLED BY UNIT MOUNTED ELECTRIC HEATING THERMOSTAT.
TTALS NOT	CHILLED WATER PIPING SHALL BE INSULATED WITH 1 INCH THICK FIBER GLASS INSULATION WITH AN ALL-SERVICE JACKET.	MAKEUP AIR UNIT UNIT SHALL BE CONTROLLED PACKAGE EXHAUST/MAKE-UP AIR CONTOL PANEL MONTED ON WALL IN KITCHEN, SUPPLY DUCT MOUNTED DISCHARGE AIR THERMOSTAT SHALL CONTROL THE MODULATING GAS BURNER AND EVAPORATIVE COOLER TO MAINTAIN DISCHARGE TEMPERATURE, SET AT 65 DEGREE
NT. ECHANICAL	CONDENSATE DRAIN PIPING SHALL BE INSULATED WITH ½-INCH THICK FIBER GLASS INSULATION WITH AN ALL-SERVICE JACKET.	F ADJUSTABLE.
COOLING OR LEAKAGE	REFRIGERATION SUCTION LINES SHALL BE INSULATED WITH $\frac{1}{2}$ INCH FOAM PLASTIC CLOSED CELL INSULATION. SEAL ALL JOINTS.	COMPLETION: CLEAN INSULATION COVERING, DUCTS, PIPES, EQUIPMENT AND ACCESSORIES TO RECEIVE PRIME COAT OF PAINT. CLEAN EQUIPMENT RECIVED WITH PRIME COAT TO RECEIVE FINAL COAT. REPLACE AIR FILTERS IF UNITS WERE OPERATED DURING CONSTRUCTION. CLEAN DUCTS. BLOWERS,
	AIR INLETS AND OUTLETS	AND COILS IF UNITS WERE OPERAED WITHOUT FILTERS DURING CONSTRUCTION.
ONNECTS,	FURNISH AND INSTALL AIR INLETS AND OUTLETS AS SCHEDULED ON THE PLANS. ACCEPTABLE MANUFACTURERS ARE CARNES, METALAIRE, PRICE, OR TITUS.	INSTRUT OWNER IN OPERATION AND MAINTENANCE OF MECHANICAL SYSTEMS. MINIMUM PARTICIPANTS SHALL INCLUDE MECHANICAL CONTRACTOR AND CONTROLS CONTRACTOR REPRESENTATIVES.
ESSARY FOR	OUTLETS SHALL HAVE A WHITE BAKED ENAMEL FINISH TO MATCH CEILING OR WALL.	AFTER TESTS AND ADJUSTMENTS HAVE BEEN MADE AND SYSTEM IS PRONOUNCED SATISFACTORY FOR PERMANENT OPERATION, REFINISH DAMAGED FINISHES AND LEAVE EVERYTHING IN PROPER WORKING
HANICAL	FURNISH AND INSTALL ROOF CURBS AND BACKDRAFT DAMPERS. EXHAUST FANS	ORDER AND APPEARANCE. ON COMPLETION OF WORK. REMOVE TOOLS, SCAFFOLDING, DEBRIS. ETC. FROM GROUNDS AND LEAVE
	FURNISH AND INSTALL CENTRIFUGAL EXHAUST FANS AS SCHEDULED ON THE PLANS. ACCEPTABLE MANUFACTURERS ARE ACME, COOK, CARNES, GREENHECK, OR TWIN CITY.	PREMISES CLEAN. OPERATION AND MAINTENANCE MANUALS:
POSED ON LL VERIFY	FURNISH AND INSTALL UNITS COMPLETE WITH ALL OPERATIONAL AND SAFETY CONTROL NECESSARY FOR PROPER OPERATION.	PRIOR TO COMPLTION OF PROJECT, SUBMIT THREE (3) SETS OF MAINTENANCE MANUALS COVERING OPERATION AND MAINTENANCE OF MECHANICAL EQUIPMENT WITH MOVING OR MOVABLE PARTS, INCLUDING PLUMBING SYSTEMS INSTRUCTIONS SHALL BE IN PAMPHLET OR TYPEWRITTEN FORM IN
IAVE UP TO	PACKAGE GAS/ELECTRIC SINGLE ZONE ROOFTOP UNITS	THREE RING BINDERS. INSTRUCTIONS FOR EACH UNIT SHALL BE INDICATED BY SEPARATE TAB.
SCREPANCY	FURNISH AND INSTALL PACKAGE GAS/ELECTRIC SINGLE ZONE ROOFTOP UNITS AS SCHEDULED ON THE PLANS. ACCEPTABLE MANUFACTURERS ARE TRANE, CARRIER, LENNOX OR YORK.	INCLUDE STARTING. TOPPING. LUBRICATION, PREVENTATIVE MAINTENANCE SCHEDULE. AND
ND	FURNISH AND INSTALL UNIT COMPLETE WITH ALL OPERATIONAL AND SAFETY CONTROLS FOR SATISFACTORY OPERATION.	ADJUSTMENT INFORMATION FOR EACH PIECE OF EQUIPMENT. INCLUDE GUARANTEES AND WARRANTIES OF ALL EQUIPMENT.
APPARATUS	FURNISH AND INSTALL FACTORY FURNISHED PROGRAMMABLE THERMOSTAT. MOUNT AT +48-INCHES AFF.	INCLUDE AS-BUILT DRAWINGS OF COMPLETED HVAC AND PLUMBING SYSTEMS
. IF , SUBMIT THE	FURNACES AND SPLIT SYSTEM DX COOLING UNITS	

FURNISH AND INSTALL NATURAL GAS FURNACE UNITS AS SCHEDULED ON THE PLANS. ACCEPTABLE



PROJECT NUMBER:

progress set for construction ISSUE DATES DATE SSUE PERMIT/CONSTRUCTION 11.11.2020

111 SE M291 HWY STE. 100 LEES SUMMIT, MO 64081

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ARWIN PRIEST P.E., P.Eng. MECHANICAL * ENGINEER * ELECTRICAL 242 Mountain Cloud Cincle Highlands Ranch, Colorado 80126 Email: arwin@pedenver.com / apriest@thompson-eng.com Ph: (303) 947-6394 & (303) 773-8773

ARCHITECTURE 5719 LAWTON LOOP E. DR. #212 INDIANAPOLIS, IN 46216 O :: 317 . 288 . 0681

F :: 317 . 288 . 0753

PACKAGED ROOFTOP HEAT PUMP UNIT SCHEDULE

					SUPPLY FAN DAT	Ā			RETURN/EXH/	AUST FAN DATA					COIL DATA												
SYMBOL	MFR	MODEL	CFM TOTAL @ 4500'	CFM OA @4500'	ESP IN WC @ SL	APPROX RPM	MIN FAN HP	CFM @ SL	ESP IN WC @ SL	APPROX RPM	MIN FAN HP	COIL SERVICE	FACE AREA SQ FT	MBH HEATING @ SL	MBH OUTPUT @ 3,200	MBH COOL TOTAL @ SL	KW	NO STEPS	NO COMPR	ELEC	MCA/ MOCP AMP	MIN. EER					
RTU-1	CARRRIE	48TCFD014	5,000	1,200	0.8	1,080	3.75					HEATING		250.0	205.0			2	2	208V-3Ø	65.0/80.0	10.8					
	CARREL	(12.5-TON)	3,000	1,200	0.0	1,000	3.75										COOLING	11.1			140.0		2	2	2000-30	03.0/80.0	10.0
	1. COOLING COIL CAPACITY BASED ON ARI STANDARD CONDITIONS: 80 FDB/67 FWB, 95 F AMBIENT AT CONDENSER. 2. EXTERNAL STATIC PRESSURE DOES NOT INCLUDE LOSSES FOR UNIT CASING, FILTERS, OR COILS.														5. PROVIDE RETURN AIR DUCT SMOKE DETECTOR INSTALLED PER IMC 606.2.1 w/SUPERVISORY INDICATORS 6. HIGH HEATING CAPACTIY BASED ON 70 FDB EAT, 37 F AMBIENT AT CONDENSER					DICATORS							

FAN	SCHE														
SYMBOL	FAN TYPE	SERVICE	MFR	MODEL	WHEEL DIA IN	CFM @ SL	SP IN WC @ SL	APPROX RPM	TIP SPEED FPM	SONES	MIN HP	ELEC	DRIVE TYPE	DAMPER TYPE	APPROX ROOF OPENING
EF-1	CEILING CABINET	TOILET	ACME	VQ150		100	0.5	710		3.1	100 WATTS	120V-1Ø	DIRECT	BACKDRAFT	7"Ø
EF-2	CEILING CABINET	TOILET	ACME	VQ150		100	0.5	710		3.1	100 WATTS	120V-1Ø	DIRECT	BACKDRAFT	7"Ø
EF-3	CEILING CABINET	MOP SINK	ACME	VQ150		100	0.5	710		3.1	100 WATTS	120V-1Ø	DIRECT	BACKDRAFT	7"Ø
EF-4	ROOF MTD UPBLAST	STEAM TBL	ACME	PNUHP100		800	0.5	1,765		9.5	1/3 HP	120V-1Ø	BELT	BACKDRAFT	16.5"x16.5"
1. ACME MODEL 2. 12" HIGH PRE	L 611 FLAT ROOF JAC E-FAB CURB	СК		PROVIDE MANUAL V intelock fan with room		ONTROLLER FOR W	ALL MOUNTING BY I	ĒC	5. PROVIDE	WALL SWITCH W/P	ILOT FOR FAN CONT	ROL RE: ELECTRIC	AL		

SL	JPPLY DIFFUSER	SCHED	OULE			
A 100/	DESIGNATES LABEL FOR DIFFUSER TYPES DESIGNATES CFM QUANTITY FOR DIFFUSER		ALL DIFFUSERS ARE TO BE PROVIDED WITH OPPOSED BLADE DAMPERS UNLESS OTHERWISE SPECIFIED ON PLANS			
LABEL	MANUFACTURER & MODEL NO.	NECK SIZE	CFM RANGE	REMARKS		
A	HART & COOLEY RZ-2153	6"Ø	0-125	12X12 REZZIN 4-WAY LOUVERED		
В	HART & COOLEY RZ-2153	6"Ø	0-125	24X24 REZZIN 4-WAY LOUVERED		
С	HART & COOLEY RZ-2153	8"Ø	130-200	24X24 REZZIN 4-WAY LOUVERED		
D	HART & COOLEY RZ-2153	10"Ø	205-355	24X24 REZZIN 4-WAY LOUVERED		
E	HART & COOLEY RZ-2153	12"Ø	360-550	24X24 REZZIN 4-WAY LOUVERED		
S	HART & COOLEY 92VHV	18"x8"	250-400	STEEL DOUBLE DEFLECTION		
AL	TERNATE					
F	HAVACO TECHNOLOGIES	6"Ø	0-125	HT-2X2-SPL6		
G	HAVACO TECHNOLOGIES	8"Ø	130-200	HT-2X2-SPL8		
н	HAVACO TECHNOLOGIES	10"Ø	205-355	HT-2X2-SPL10		
I	HAVACO TECHNOLOGIES	12"Ø	360-550	HT-2X2-SPL12		
J	HAVACO TECHNOLOGIES	6"Ø	0-125	HT-2X2-PSPL6		
к	HAVACO TECHNOLOGIES	8"Ø	130-200	HT-2X2-PSPL8		
L	HAVACO TECHNOLOGIES	10"Ø	205-355	HT-2X2-PSPL10		
М	HAVACO TECHNOLOGIES	12"Ø	360-550	HT-2X2-PSPL12		
N	HAVACO TECHNOLOGIES	6"Ø	0-125	HT-2X2-BSPL6		
0	HAVACO TECHNOLOGIES	8"Ø	130-200	HT-2X2-BSPL8		
Р	HAVACO TECHNOLOGIES	10"Ø	205-355	HT-2X2-BSPL10		
R	HAVACO TECHNOLOGIES	12"Ø	360-550	HT-2X2-BSPL12		

RE	ETURN GRILLE S	CHEDUI	LE	
A 100	DESIGNATES LABEL FOR DIFFUSER TYPES DESIGNATES CFM QUANTITY FOR DIFFUSER		ALL GRILLES ARE TO DAMPERS UNLESS O	
LABEL	MANUFACTURER & MODEL NO.	NECK SIZE	CFM RANGE	REMARKS
1	HART & COOLEY ROBF-T	6"Ø	0-125	12X12 CUR
2	HART & COOLEY ROBF-T	6"Ø	0-125	24X24 CUR
3	HART & COOLEY ROBF-T	8"Ø	130-200	24X24 CUR
4	HART & COOLEY ROBF-T	10"Ø	225-360	24X24 CUR
5	HART & COOLEY ROBF-T	12"Ø	365-600	24X24 CUR
6	HART & COOLEY ROBF-T	14"Ø	605-850	24X24 CUR
7	HART & COOLEY ROBF-T	16"Ø	855-1395	24X24 CUR
8	HART & COOLEY ROBF-T	24"x24"	1400-2000	24X24 CUR
11	HART & COOLEY 94A	48"x12"	700-850	STEEL 35-DEG
AL	TERNATE			
9	HAVACO TECHNOLOGIES	6"Ø-16"Ø		HT-2X
10	HAVACO TECHNOLOGIES	6"Ø-16"Ø		HT-2X2

CU	R	R	A	N
ARCH				

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ARWIN PRIEST P.E., P.Eng. MECHANICAL * ENGINEER * ELECTRICAL 242 Mountain Cloud Circle Highlands Ranch, Colorado 80126 Email: arwin@pedenver.com / apriest@thompson-eng.com Ph: (303) 947-6394 & (303) 773-8773

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PERMIT/CONSTRUCTION 11.11.2020

PROJECT NUMBER:

M-003

DATE

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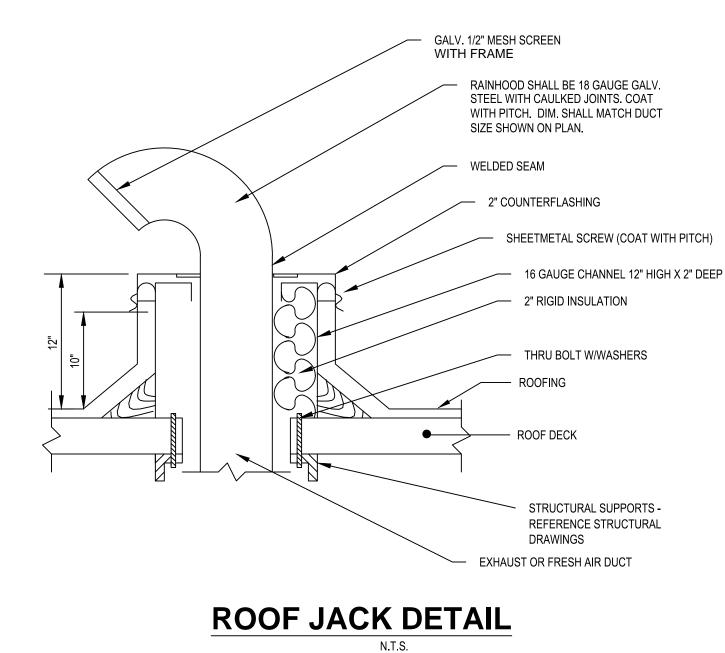
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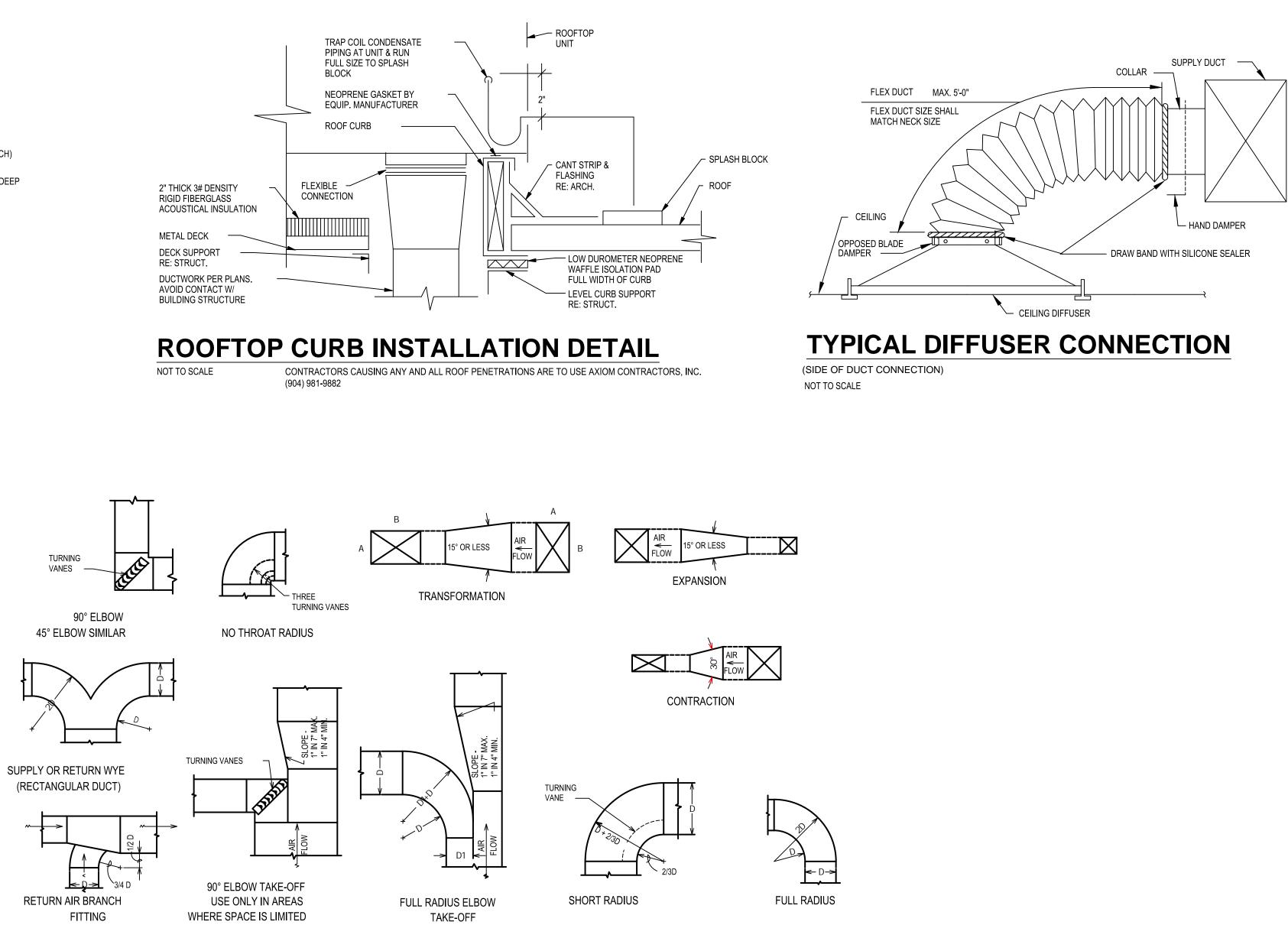
ISSUE

VITH OPPOSED BLADE CIFIED ON PLANS JRVED BLADE EG FIXED BLADE 2X2-RTN X2-ERTN

4/ 20"x25"x2" 1,300 1,2,3,4,5,7 MERV 13 88"x59" 7. PROVIDE CONDENSER COIL HAIL GUARDS

FILTER DATA APPROX OPER WT APPROX ROOF CURB DIM REMARKS QUANT/ SIZE EFF % TYPE LB PLEATED





DETAILS OF THE LOW VELOCITY DUCT LAYOUT

NO SCALE





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> ISSUE DATE PERMIT/CONSTRUCTION 11.11.2020

PROJECT NUMBER:

M-004

	nformation		
Energy Code Project Title:			
Location: Climate Zon	e: 4a	mmit, Missouri	
Project Type	Addition		
Constructior Lees Sum	imit, MO	er/Agent:	Designer/Contractor:
Quantity 1	cal Systems List System Type & Description HVAC System 1 (Single Zone): Heating: 1 each - Central Furnace, Gas, Ca Proposed Efficiency = 80.00% Et, Requi Cooling: 1 each - Single Package DX Unit, Proposed Efficiency = 10.80 EER, Requ Fan System: RTU-1 Compliance (Motor	red Efficiency: 80.00 % Et Capacity = 140 kBtu/h, Air-C red Efficiency: 10.80 EER +	+ 12.2 IEER
1	Fans: FAN 1 Supply, Constant Volume, 5000 0 Water Heater 1: Gas Instantaneous Water Heater, Capacity	: 1 gallons, Input Rating: 380	
Compliance specification designed to	ons, and other calculations submitted v	al design represented in t vith this permit applicatio	this document is consistent with the building pl on. The proposed mechanical systems have bee 1.0 and to comply with any applicable mandator
Name - Titl	e	Signature	Date
Project Titl Data filena	e: Firehouse Subs me: Z:\MCD\BUSINESS\MCDI\Job Fold MO\Calculations\FHS Lees Summ		Duse Subs - Lees Summit Page
Data filena	me: Z:\MCD\BUSINESS\MCDI\Job Fold MO\Calculations\FHS Lees Summ	it MO ComCheck.cck	ouse Subs - Lees Summit Page
Section # & Req.ID C404.5,	me: Z:\MCD\BUSINESS\MCDI\Job Fold MO\Calculations\FHS Lees Summ Plumbing Rough-In Inspection Heated water supply piping conforms	it MO ComCheck.cck	
Section # & Req.ID	me: Z:\MCD\BUSINESS\MCDI\Job Fold MO\Calculations\FHS Lees Summ	it MO ComCheck.cck Complies?	ouse Subs - Lees Summit Page
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Energy Code: 2018 IECC Requirements: 0.0% were addressed directly in the COM <i>check</i> software	C403.12.3 controls configured to limit service for pavement temperature and outdoor temperature. future connection to	
Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception	controls. Additional Comments/Assumptions:	_ _
is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided. Section		CUR
# Plan Review Complies? Comments/Assumptions & Req.ID		
C103.2 Plans, specifications, and/or □Complies [PR2] ¹ calculations provide all information □Does Not with which compliance can be □Nul Observable		ARCHITI
determined for the mechanical INOT Observable systems and equipment and INOT Applicable		5719 LAWTON LO
document where exceptions to the standard are claimed. Load calculations per acceptable		INDIANAPOL O :: 317 . 2
engineering standards and handbooks.		F :: 317.2
C103.2 Plans, specifications, and/or Complies [PR3] ¹ calculations provide all information with which compliance can be determined for the compliance mater		
determined for the service water heating systems and equipment and document where exceptions to the		ARWIN PRIEST
standard are claimed. Hot water system sized per manufacturer's		ARWIN PRIEST MECHANICAL * ENGIN 242 Mountain Highlands Ranch,
sizing guide. C406 Plans, specifications, and/or Complies [PR9] ¹ calculations provide all information Does Not		Email: arwin@pedenver.com / Ph: (303) 947-6394
with which compliance can be determined for the additional energy efficiency package options.		
Additional Comments/Assumptions:		
		CERTIFIC
1High Impact (Tier 1)2Medium Impact (Tier 2)3Low Impact (Tier 3)	1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)	
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Section # Mechanical Rough-In Inspection Compiles? Comments/Assumptions C402.26 (HE21) Thermally ineffective panel surfaces of sensible heating panels have (Not Observable Des Not Des Not Des Not Compiles Compiles C403.84 (HE32) Motors for fans that are not less than 10 pareent. These motors have the a minimum motor efficiency of 70 percent. These motors have the designed to vary the Indoor fan auftow as a function of an auftow designed to vary the Indoor fan auftow as a function of an auftow designed to vary the Indoor fan auftow as a function of an auftow designed to vary the Indoor fan auftow as a function of audit ethe building controlled by an occupancy sensing device or timer switch. Compiles Does Not Does Not C403.35. Fault detection and diagnostics controlled by an occupancy sensing device or timer switch. Compiles Does Not Does Not Does Not Does Not Does Not Does Not C403.37. Fault detection and diagnostics controlled by an occupancy sensing device or timer switch. See the Mechanical Systems list for values. C403.37. Fault detection and diagnostics controlled by an occupancy sensing device or timer switch. See the Mechanical Systems list for values. C403.37. Fault detection and diagnostics controlled by an occupancy sensing meternational Mechanical coefficiency of moto Does Not capability to reluce outdoor ait supply Not Observable See the Mechanical Systems list for values. C403.37. (HE37) Dermand control ventilation by moto Does Not Does Not Does Not C403.76. (H	# Rechanical Rough-In Inspection Complies? Comments/Assumptions C4037.55 Rechanical Rough-In Inspection Complies? Complies? C4037.55 Rechanical Rough-In Inspection Complies? Complies? C4037.55 Rechanical Rough-In Inspection Complies? Complies? C4037.55 Rechanical Rough-In Inspection Mot Observable C4037.55 Air Economizers provide where Complies Does Not C4035.3. Air Economizers provide where Complies Does Not C4035.3. reconomizers provide where Complies Does Not C4035.3. reconomizers automatically reduce Complies Does Not C4035.3. reconomizers automatically reduce Complies Does Not C4035.3. Air Economizers automatically reduce Complies Does Not C4035.3. Air Economizers automatically reduce Complies Does Not C4035.3.3 Air Economizers automatically reduce Does Not Not Observable C4035.3.3 Air Economizers automatically reduce Does Not Not Observable	AND CONCEPTS CON THE EXCLUSIVE INTEL OF CURRAN ARCHITEC IN PART, WITHOU CONSENT OF CURR OCOPYRICHT 2020, CUR PROJECT INT



Additional Comn	nents/Assumptions:				
	1 High Impact (Tier 1)	2 Medium Impact (Tier 2)	3 Low Impact (Tier 3)		
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Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions	Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
2405.6	Low-voltage dry-type distribution	Complies		C303.3,	Furnished O&M manuals for HVAC	Complies	
L26] ²	electric transformers meet the minimum efficiency requirements of	\Box Does Not		C408.2.5.	systems within 90 days of system acceptance.	Does Not	
	Table C405.6.	Not Observable		[FI8] ³	acceptance.	Not Observable	
405.7	Electric motors meet the minimum	□Not Applicable □Complies				□Not Applicable	
EL27] ²	efficiency requirements of Tables	\Box Does Not			HVAC systems and equipment	Complies	
	C405.7(1) through C405.7(4). Efficiency verified through certification	Not Observable		[FI27] ³	capacity does not exceed calculated loads.	Does Not	
	under an approved certification	□Not Applicable				□Not Observable □Not Applicable	
	program or the equipment efficiency ratings shall be provided by motor			C403.2.4.	Heating and cooling to each zone is	Complies	
	manufacturer (where certification			1 [FI47] ³	controlled by a thermostat control. Minimum one humidity control device	Does Not	
	programs do not exist). Escalators and moving walks comply	Complies		[1147]	per installed	□Not Observable □Not Applicable	
C405.8.2.	with ASME A17.1/CSA B44 and have	Does Not			humidification/dehumidification system.	шиот Аррисаріе	
EL28] ²	automatic controls configured to reduce speed to the minimum	□Not Observable		C403.4.1.	Thermostatic controls have a 5 °F	Complies	
-	permitted speed in accordance with ASME A17.1/CSA B44 or applicable	□Not Applicable		2 [FI38] ³	deadband.	Does Not	
	Iocal code when not conveying			[[150]*		Not Observable	
	passengers.			C402.2.4	Temperature controls have setpoint	□Not Applicable □Complies	
C405.9 [EL29] ²	Total voltage drop across the combination of feeders and branch	□Complies □Does Not		1.3	overlap restrictions.		
	circuits <= 5%.	□Does Not □Not Observable		[FI20] ³		□Not Observable	
		□Not Applicable				□Not Applicable	
ddition	al Comments/Assumptions:			C403.2.4.	Each zone equipped with setback controls using automatic time clock or	Complies	
	-			[FI39] ³	programmable control system.	□Does Not □Not Observable	
						□Not Applicable	
					Automatic Controls: Setback to 55°F	Complies	
				2.1, C403.2.4.	(heat) and 85°F (cool); 7-day clock, 2- hour occupant override, 10-hour	□Does Not □Not Observable	
				2.2 [FI40] ³	backup	Not Observable	
				C403.2.4.	Systems include optimum start	□Complies	
				2.3 [FI41] ³	controls.	Does Not	
				[[141]]		Not Observable	
				C404.3	Heat traps installed on supply and	□Not Applicable □Complies	
				C404.3 [FI11] ³	discharge piping of non-circulating		
					systems.	□Not Observable	
						□Not Applicable	
				C404.4 [FI25] ²	All piping insulated in accordance with section details and Table C403.11.3.	□Complies □Does Not	
					Section details and Table C405.11.5.	□Does Not □Not Observable	
						Not Applicable	
				C408.1.1	Building operations and maintenance	Complies	
				[FI57] ¹	documents will be provided to the owner. Documents will cover	Does Not	
					manufacturers' information,	□Not Observable □Not Applicable	
					procedures and means of illustrating		
					to owner how building, equipment and		
					systems are intended to be installed, maintained, and operated.		
						, 1	
		2 Medium Impact (Tier	r 2) 3 Low Impact (Tier 3)		1 High Impact (Tier 1)	2 Medium Impact (Tie	r 2) 3 Low Impact (Tier 3)
	1 High Impact (Tior 1)						
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		Not Observable
C408.2.3. 1	HVAC equipment has been tested to ensure proper operation.	Complies Does Not
[FI31] ¹		□Not Observable □Not Applicable
C408.2.3. 2	HVAC control systems have been tested to ensure proper operation,	Complies Does Not
[FI10] ¹	calibration and adjustment of controls.	□Not Observable □Not Applicable
C408.2.3. 3	Economizers have been tested to ensure proper operation.	Complies Does Not
[FI32] ¹		□Not Observable □Not Applicable
C408.2.4 [FI29] ¹	Preliminary commissioning report completed and certified by registered	□Complies □Does Not
	design professional or approved agency.	□Not Observable □Not Applicable
C408.2.5. 1	Furnished HVAC as-built drawings submitted within 90 days of system	Complies Does Not
[FI7] ³	acceptance.	□Not Observable □Not Applicable
C408.2.5. 3	An air and/or hydronic system balancing report is provided for HVAC	□Complies □Does Not
[FI43] ¹	systems.	□Not Observable □Not Applicable
C408.2.5. 4	Final commissioning report due to building owner within 90 days of	Complies Does Not
[FI30] ¹	receipt of certificate of occupancy.	□Not Observable □Not Applicable

Additional Comments/Assumptions:

1 High Impact (Tier 1)	2 Me	dium Impact (Tier 2)	3	Low Impact (Tier	· 3)	
Firehouse Subs					Report	date: 11/10/20

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ARWIN PRIEST P.E., P.Eng. MECHANICAL * ENGINEER * ELECTRICAL 242 Mountain Cloud Circle Highlands Ranch, Colorado 80126 Email: arwin@pedenver.com / apriest@thompson-eng.com Ph: (303) 947-6394 & (303) 773-8773

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ISSUE PERMIT/CONSTRUCTION 11.11.2020

PROJECT NUMBER:

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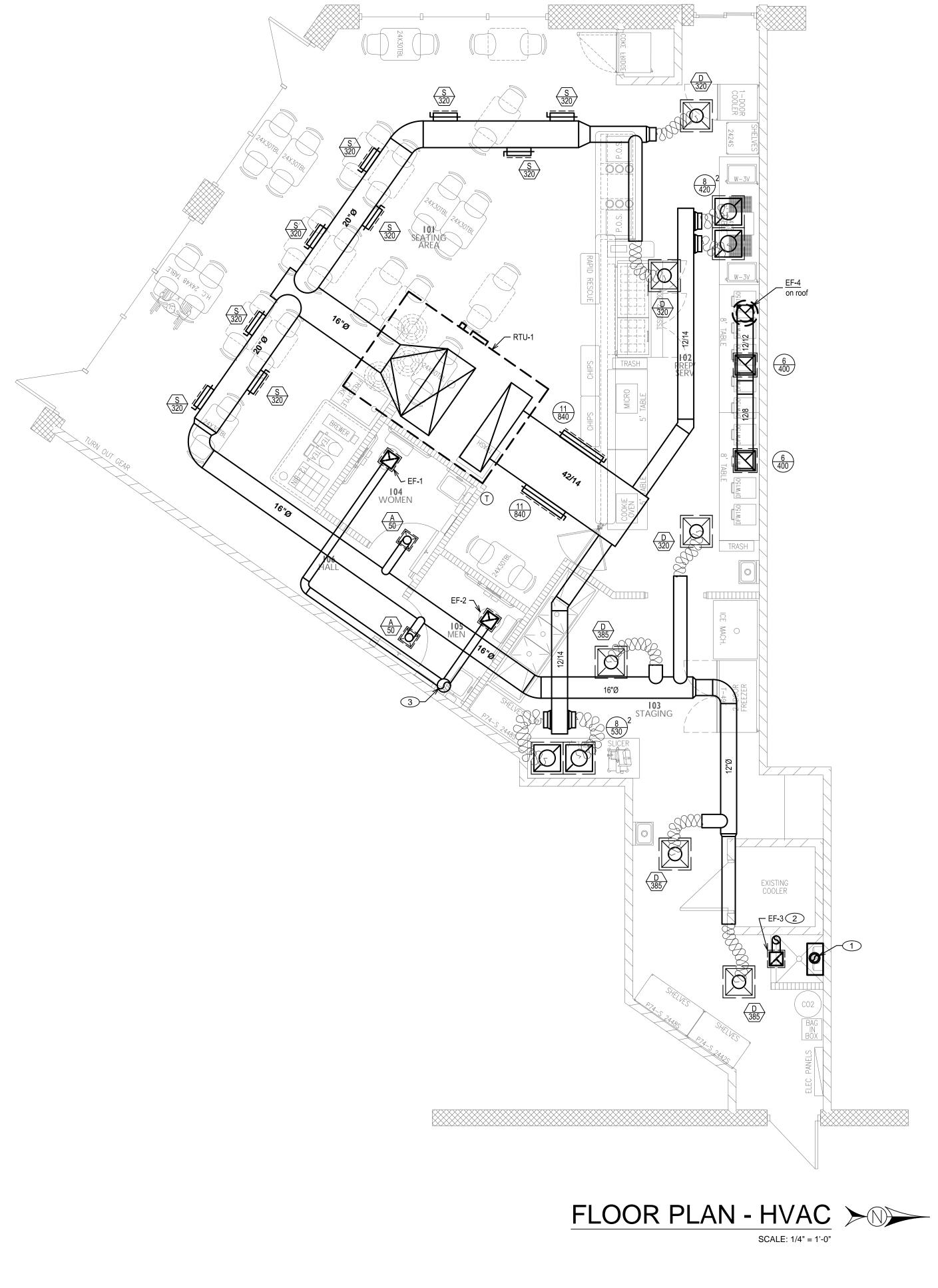
DATE

ISSUE DATES

FIREHOUSE SUBS 111 SE M291 HWY LEES SUMMIT, MO 64081

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CERTIFICATION





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CERTIFICATION

ARWIN PRIEST P.E., P.Eng. MECHANICAL * ENGINEER * ELECTRICAL 242 Mountain Cloud Circle Highlands Ranch, Colorado 80126 Email: arwin@pedenver.com / apriest@thompson-eng.com Ph: (303) 947-6394 & (303) 773-8773



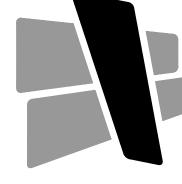
5719 LAWTON LOOP E. DR. #212 INDIANAPOLIS, IN 46216 O :: 317 . 288 . 0681

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SHEET NOTES I

- 1. 8"Ø CONCENTRIC WATER HEATER VENT FROM HEAT UP THROUGH ROOF TO FLAT ROOF TERMINATION PER MANUFACTURE
- 2. 6"Ø EXHAUST DUCT FROM EXHAUST FAN UP THROUGH ROOF TO FLAT ROOF
- 3. 8"Ø EXHAUST DUCT UP THROUGH ROOF TO FLAT ROOF JACK MINIMUM 12" ABOVE
- JACK MINIMUM 12" ABOVE ROOF DECK
- ROOF DECK





PLUMBING GENERAL NOTES

- 1. MAKE PROPER PIPING CONNECTIONS TO ALL FIXTURES AND EQUIPMENT EVEN THOUGH ALL BRANCH MAINS, ELBOWS AND CONNECTIONS ARE NOT SHOWN.
- 2. COORDINATE WITH ARCHITECTURAL WORKING DRAWINGS BEFORE ROUGHING-IN PLUMBING FIXTURES.
- 3. UNLESS OTHERWISE NOTED, PIPING SHALL BE RUN AS HIGH AS POSSIBLE, CONCEALED ABOVE CEILINGS, IN WALLS AND PARTITIONS, AND IN PIPE CHASES.
- 4. SLOPES AND INVERT ELEVATIONS SHALL BE ESTABLISHED BEFORE ANY PIPING IS INSTALLED IN ORDER THAT PROPER SLOPES WILL BE MAINTAINED.
- 5. SANITARY WASTE PIPING SHALL BE SLOPED AT ¹/₈-INCH PER FOOT MINIMUM FOR ALL PIPING 4-INCH AND LARGER AND AND AT 1/4-INCH PER FOOT FOR ALL PIPING 3-INCH AND SMALLER
- 6. ALL PIPING SHALL BE LOCATED AND DETERMINED WHERE TO BE RUN TO AVOID CONFLICT WITH OTHER TRADES.
- 7. ALL WALL HYDRANTS SHALL BE MOUNTED 24" ABOVE FINISHED GRADE UNLESS OTHERWISE SPECIFIED.
- 8. ALL HOSE BIBBS SHALL BE MOUNTED 18" ABOVE FINISHED FLOOR UNLESS OTHERWISE SPECIFIED.
- 9. COORDINATE WORK WITH OTHER TRADES SO AS NOT TO DISTURB NEW OR REPAIRED FINISHES. 10. ALL PLUMBING VENTS IN EXTERIOR WALLS SHALL BE OFF-SET A MINIMUM OF 3'-0" AT ROOF
- BEFORE ROOF PENETRATION.
- 11. ALL PLUMBING VENTS WITHIN A 10'-0" RADIUS OF EXHAUST VENTS SHALL BE EXTENDED TO A HEIGHT OF 2'-0" ABOVE EXHAUST VENT CROWN.
- 12. ALL HOT AND COLD WATER PIPING INDICATED TO BE RUN ABOVE FINISHED CEILINGS OR IN EXTERIOR WALLS SHALL BE INSTALLED ON THE CONDITIONED SPACE SIDE OF THE BUILDING INSULATION.
- SLOPES AND INVERT ELEVATIONS OF EXTERIOR SEWERS, MANHOLES, ETC. SHALL BE ESTABLISHED AND VERIFIED BY THE CONTRACTOR BEFORE ANY PIPING IS INSTALLED IN ORDER THAT PROPER SLOPES WILL BE MAINTAINED AND NECESSARY INVERT ELEVATION OBTAINED.
- 14. PROVIDE DEEP SEAL P-TRAPS (4" MAX) WITH TRAP SEAL PRIMERS FOR ALL FLOOR DRAINS.
- 15. INDIRECT WASTE FROM FIXTURES AND SPECIALTIES, AND EQUIPMENT DRAIN LINES TERMINATING AT FLOOR DRAINS, OR APPROVED RECEPTACLES SHALL HAVE A MINIMUM 2" AIR GAP. SUPPORT PIPING SO INDIRECT WASTE CANNOT BE DEFLECTED FROM DRAIN OPENING.
- 16. PLUMBING CONTRACTOR TO PROVIDE AND INSTALL NAIL PLATES WHERE PIPING PASSES THROUGH STUD(S) WITHIN 2" OF HAILING SURFACE TO PROTECT PIPE FOR MAINLS OR DRYWALL SCREWS
- 17. PLUMBING CONTRACTOR SHALL INSTALL APPROVED WATER HAMMER ARRESTORS IN WATER LINES, BOTH HOT AND COLD, SERVING BATTERY AND BACK TO BACK FIXTURE INSTALLATIONS IN PIPE SPACE AND PIE CHASES AND SHALL BE ACCESSIBLE

DEMOLITION NOTES:

- . EXISTING HVAC PIPING, DUCTWORK AND EQUIPMENT SHOWN IS BASED ON EXISTING AND FIELD OBSERVATION WITHOUT DEMOLITION. DURING DEMOLITION. ANY CLARIFICATION REQUIRED TO DETERMINE SCOPE OF WORK SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER.
- 2. THE CONTRACTOR SHALL VISIT THE JOB SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH EXISTING CONDITIONS, PRIOR TO STARTING DEMOLITION.
- 3. DRAWINGS DO NOT SHOW EVERY EXISTING PIPE, CONDUIT, DUCT, ETC. CONTRACTOR SHALL TAKE CARE TO REMOVE ONLY ITEMS REQUIRED TO BE REMOVED AND VERIFY PIPES, DUCTS, ETC. BEFORE REMOVAL.

GENERAL NOTES:

- 1. GENERAL NOTES ON THIS DRAWING ARE APPLICABLE TO EACH MECHANICAL DRAWING OF THIS SET. SEE EACH DRAWING FOR SPECIFIC NOTES APPLICABLE TO THAT DRAWING.
- 2. OUTSIDE AIR INTAKE OPENINGS FOR VENTILATION AIR SHALL BE LOCATED 10 FEET MEASURED IN ANY DIRECTION FROM ANY FLUES, VENTS, CHIMNEYS, GAS METERS, GAS REGULATORS, PLUMBING VENTS UNLESS TOP OF SUCH INTAKE OPENING IS 2 FEET BELOW ANY OF THE LISTED ITEMS.
- 3. OVERHEAD PIPING IN SPACES WITHOUT HUNG CEILINGS SHALL BE RUN AS CLOSE TO ROOF DECK AS PRACTICABLE, AS CLOSE TO PARALLEL JOISTS AS POSSIBLE AND ABOVE LIGHTING FIXTURES TO CONCEAL PIPING.
- 4. OVERHEAD DUCTWORK AND PIPING IN SPACES WITH CEILINGS SHALL BE CONCEALED UNLESS OTHERWISE NOTED.
- COORDINATE LOCATION OF GRILLES, REGISTERS, DIFFUSERS, THERMOSTATS AND OTHER WALL OR CEILING MOUNTED HVAC ACCESSORIES WITH REFLECTED CEILING PLAN. COORDINATE LIGHTING FIXTURE LAYOUT AND ACCESSORIES INSTALLED BY OTHER TRADES SO AS TO PRESENT A NEAT AND ATTRACTIVE INSTALLATION THROUGHOUT THE ENTIRE BUILDING. IT IS THE INTENT FOR CEILING MOUNTED GRILLES, REGISTERS AND DIFFUSERS TO BE INSTALLED IN THE CENTER OF CEILING PANELS.
- . ARRANGE PIPING AND DUCTWORK, PARTICULARLY ABOVE CEILING, AS REQUIRED TO CLEAR STRUCTURE, DUCTS, CONDUIT, ETC., ALLOWING SPACE FOR PIPE HANGERS, EXPANSION LOOPS AND ACCESS TO VALVES, FILTERS AND MAINTENANCE OF EQUIPMENT.
- 7. THE DIAMETER OF THE SUPPLY PIPE AT ANY GAS FIRED EQUIPMENT SHALL NOT BE OF A SMALLER SIZE THAN THE INLET CONNECTION TO THE EQUIPMENT.
- 8. EQUIPMENT WITH FILTERS SHALL BE INSTALLED SO THAT FILTERS CAN BE EASILY REMOVED AND REPLACED.
- 9. CONTRACTOR SHALL VERIFY REFRIGERANT PIPE SIZES WITH EQUIPMENT MANUFACTURER FOR THE INDICATED INSTALLATION.
- 10. COORDINATE LOCATION AND INSTALLATION OF EQUIPMENT WITH OTHER TRADES.
- 11. THERMOSTATS SHALL BE LOCATED IN THE ROOMS INDICATED. INSTALL AT 4-0" ABOVE FINISH FLOOR.
- 12. VALVES AND SPECIALTIES SHALL BE LINE SIZE, EXCEPT FOR CONTROL & BALANCING VALVES OR UNLESS NOTED OTHERWISE.
- 13. EXTEND DRAIN LINES TO NEAREST FLOOR DRAIN OR AS INDICATED. ROUTING SHALL NOT INTERFERE WITH PASSAGEWAYS AND MAINTENANCE. DRAINS FROM AIR CONDITIONING CONDENSATE DRAIN PANS SHALL BE TRAPPED. SLOPE SUSPENDED CONDENSATE DRAIN PIPING AT 1/8" PER FOOT (1 PER 100).
- 14. PIPING AND DUCTWORK INSULATION SHALL BE RUN CONTINUOUSLY THROUGH NON-RATED FLOORS, WALLS AND PARTITIONS, UNLESS OTHERWISE NOTED.
- 15. NO PIPING SHALL BE SMALLER THAN 1/2" UNLESS OTHERWISE NOTED.
- 16. RUN-OUTS SHALL PITCH DOWN IN DIRECTION OF FLOW A MINIMUM OF 1/8" PER FOOT (1PER 100).
- 17. FOR PIPE SIZES NOT INDICATED ON PLANS SEE EQUIPMENT CONNECTION DETAILS, FLOW DIAGRAMS, RISER DIAGRAMS AND SCHEDULES.
- 18. PROVIDE UNION OR FLANGED CONNECTIONS AT EACH PIECE OF EQUIPMENT AND ON BOTH SIDES OF CONTROL VALVES AND PRESSURE REGULATING VALVES. PROVIDE SHUT-OFF VALVES ON BOTH SIDES OF AUTOMATIC VALVES.
- 19. RELIEF VALVE DRAIN PIPING SHALL BE EXTENDED TO 6" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED.
- 20. FLOOR MOUNTED EQUIPMENT IN THE MECHANICAL ROOM SHALL BE LOCATED ON 6" THICK CONCRETE PADS WITH CHAMFERED EDGES UNLESS OTHERWISE NOTED.
- 21. PIPING SHALL BE SUPPORTED IN ACCORDANCE WITH THE SPECIFICATION. ADDITIONAL SUPPORTS OR HANGERS SHALL BE ADJACENT TO ELBOWS, TO PREVENT WEIGHT OF PIPING BEING PLACED ON THE EQUIPMENT.
- 22. CORRECT SETTING ON BALANCING FITTINGS SHALL BE PERMANENTLY MARKED.
- 23. LOCATE AND SIZE CONCRETE PADS AND CURBS FOR MECHANICAL EQUIPMENT IN ACCORDANCE WITH ACTUAL EQUIPMENT PURCHASED.

24. FOR LOCATION OF MOTOR STARTERS, SEE ELECTRICAL DRAWINGS.

NOT ALL ITEMS LISTED BELOW ARE USED ON THIS SET OF DRAWINGS PLUMBING PIPING PIPING SYMBOLS ABBV. SYMBOL DESCRIPTION SYMBOL DESCRIPTION - CW DOMESTIC COLD WATER WALL HYDRANT HW DOMESTIC HOT WATER HOSE BIBB C DOMESTIC HOT WATER ____ YARD HYDRANT V DOMESTIC HOT WATER BALANCING VALVE/ AT TEMP. SHOWN FLOW MEASURING DEVICE SOIL OR WASTE BALL VALVE BD BUILDING DRAIN ———— BD ———— -14 OS&Y GATE VALVE BS BUILDING SEWER ———— BS ————— $-\bowtie$ SHUT-OFF VALVE SANITARY VENT GLOBE VALVE STORM DRAIN — SD -ABOVE FLOOR CHECK VALVE STORM DRAIN ----SD-----BELOW FLOOR BUTTERFLY VALVE OVERFLOW DRAIN - OD ABOVE FLOOR FLOW SWITCH OVERFLOW DRAIN ----OD-----BELOW FLOOR -177-SOLENOID VALVE STORM SEWER — SS – -14-PRESSURE REDUCING ACID WASTE ABV. FLOOR —— AW -GAS VALVE AW ACID WASTE BEL. FLOOR ____AW____ -MIXING VALVE ACID VENT ----- GW----- GW GREASE WASTE REDUCED PRESSURE RBFP BACKFLOW PREVENTER ---SOD-SOD SEDIMENT & OIL DRAIN <u>р</u>-ATMOSPHERIC VACUUM — G – NATURAL GAS BREAKER NATURAL GAS -MPG MEDIUM PRESSURE WATER HAMMER G PROPANE GAS —LPG— ARRESTER — CA — A COMPRESSED AIR \sim RELIEF VALVE TEMPERED WATER —— т —— TEMPERED WATER STRAINER CIRCULATION — FD -FOOTING DRAIN STRAINER WITH BLOW-OFF VALVE INDIRECT WASTE — IW — PD PD PD PD PD PUMP DISCHARGE LINE UNION - FM ------- FM FORCE MAIN ()PRESSURE GAUGE LAWN IRRIGATION THERMOMETER FIRE PROTECTION PIPINO SYMBOL DESCRIPTION PRESSURE AND — F — — — FIRE SPRINKLER TEMPERATURE TAP CONCENTRIC REDUCER — SPK —— 10. SPRINKLER LIN ECCENTRIC REDUCER _____ DSP _____ DRY STANDPIPE -8888 FLEXIBLE CONNECTOR WET STANDPIPE 0 AREA/FLOOR DRAIN COMBINED STANDPIPE _____ CSP _____ _____ WALL CLEANOUT ------ FDC -------FIRE DEPT. CONNECTION LINE CLEANOUT — D ——— LINE CLEANOUT OST INDICATOR VALVE DOWNSPOUT NOZZLE _0____ XISTING SPRINKLER HEAD —<u>[]</u> EXPANSION JOINT JPRIGHT SPRINKLER HEAD _____(i) PIPE ANCHOR ____ ALIGNMENT GUIDE PENDANT SPRINKLER HEAD \longrightarrow PLUG VALVE RY PENDANT -0-SPRINKLER HEAD AUTOMATIC 2-WAY TEMPERATURE CONTROL VALVE REMOVE EXISTING SPRINKLER HEAD AUTOMATIC 3-WAY ______ EMOVE & RELOCATE -K TEMPERATURE CONTROL VALVE XISTING SPRINKLER HEAD _____ VEW LOCATION FLOW SWITCH XISTING SPRINKLER HEAD THERMOSTATIC STEAM \otimes ц FLOAT & THERMOSTATIC \otimes ANGLE VALVE W/ DRAIN UMP TEST HEADER STEAM TRAP -M- $\neg \neg$ INVERTED BUCKET В SIDEWALL SPRINKLER SECTIONAL VALVE W/ DRAIN STEAM TRAP MANUAL AIR VENT DOUBLE CHECK VALVE IRE HOSE/VALVE CABINET

ABBREVIATIONS AFE ABOVE FINISHED FLOO EXISTIN LCO LINE CLEAN OUT ELECTRICAL CONTRACTOR MC MECHANICAL CONTRACTOR AFG ABOVE FINISHED GRADE ALP ALARM PANEL ELEVATION MANHOLE ACCESS PANEL FLOOR CLEAN OUT (N) NEW BEP BACKELOW PREVENTER FIRE PROT. CONTRACTOR NC NORMALLY CLOSED GENERAL CONTRACTOR NIC NOT IN CONTRACT CB CATCH BASIN C CENTERLINE DNZ DOWNSPOUT NOZZLE IE INVERT ELEVATION NO NORMALLY OPEN KEC KIT. EQ. CONTRACTOR NTS NOT TO SCALE

–Q

RE HYDRANT

FIRE DEPT. CONNECTION

PLUMBING LEGEND

PIPING SYMBOLS

DESCRIPTION

GATE VALVE

WITH CURB BOX

WATER METER

GAS METER

THRUST BLOCK

MANHOLE

CATCH BASIN

FLOOR SINK

ROOF DRAIN

ÖVERFLOW DRAIN

FLOOR CLEANOUT

IA INSTRUMENT AIR (DENTAL)

AC-L VACUUM LOW PRESSURE

AC-H VACUUM HIGH PRESSURE

MEDICAL GAS

ABBV. DESCRIPTION

OXYGEN

NITROGEN

N20 NITROUS OXIDE

CO2 CARBON DIOXIDE

DI DISTILLED WATER

DE DEIONIZED WATER

MV MEDICAL VACUUM

LAB. VACUUM

ALP ALARM PANEL

ZV ZONE VALVE

DESCRIPTION

REFERENCE BUBBLE

RISER BUBBLE

MECHANICAL / PLUMBING

EQUIPMENT DESIGNATION

POINT OF DISCONNECT

CONNECT NEW TO EXISTING

DESCRIPTION

OF FLOW

ARROW IN LINE

INDICATES PIPE

REMOVE EXISTING

SLOPE DOWN

BOTTOM PIPE

CONNECTION

PIPING UP

PIPING DOWN

PUMP

PRESSURE REDUCING VALVE

PUBLIC SERVICE COMPANY

SURFACE CLEAN OUT

SAFETY RELIEF VALVE

TMV THERMOSTATIC MIXING VALVE

POC POINT OF CONNECTION

TYPICAL

WCO WALL CLEAN OUT VTR VENT THROUGH ROOF

SCO

SRV

FIXTURE OR DRAIN TRAP

PIPING CAP OR PLUG

INDICATES DIRECTION

DESIGNATION

/DEMC

PIPING SYMBOLS

DETAIL NUMBER OR SECTION LETTER REFERENCE DRAWING

GENERA

CENTRAL VACUUM

LA LAB. COMPRESSED AIR

MA MEDICAL AIR

SYMBOL

 $-\otimes$ --

-M-

Ē

 \bigotimes

X

()

SYMBOL

— IA ———

–VAC(H)–

— 0₂ —

— N —

_____CO2 ____

——— MA ———

_____ DI _____

_____ DE _____

— MV —

_____ LV _____

_____ I A _____

ALP

ZV

SYMBOL

#

(# ~

SHT.#

EQUIP-X

 \square

A

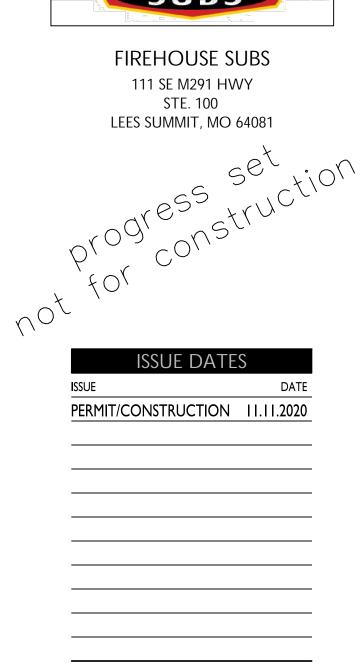
SYMBOL

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____ CV ____



PROJECT NUMBER:





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CERTIFICATIO

5719 LAWTON LOOP E. DR. #212 INDIANAPOLIS, IN 46216 O :: 317 . 288 . 0681 F :: 317 . 288 . 0753

CURRAN ARCHITECTURE

ARWIN PRIEST P.E., P.Eng. MECHANICAL * ENGINEER * ELECTRICAL 242 Mountain Cloud Cincle

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Highlands Ranch, Colorado 80126 Email: arwin@pedenver.com / apriest@thompson-eng.com Ph: (303) 947-6394 & (303) 773-8773

PLUMBING SPECIFICATIONS

BASIC REQUIREMENTS:

ALL OF THE DRAWINGS AND SPECIFICATIONS ARE CONSIDERED A PART OF THE CONTRA DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEARCHING ALL CONTRAC TO DETERMINE THE SCOPE OF WORK REQUIRED IN FINAL CONNECTIONS TO EQUIPMENT OTHER CONTRACTS OR CONTRACTORS. IT IS THE INTENT OF THE DRAWINGS TO PROVIDE INFORMATION AS POSSIBLE ON EQUIPMENT PROVIDED BY OTHERS. HOWEVER, THE EXTE CONNECTIONS AND TYPE OF FINAL CONNECTIONS SHALL BE DETERMINED BY THE ACTUA SUPPLIED BY OTHERS. THIS CONTRACTOR SHALL INCLUDE IN HIS BASE BID, REASONABLI THE INSTALLATION OF EQUIPMENT PROVIDED BY OTHERS. HE SHALL NOT BE AWARDED E AFTER THE CONTRACT IS AWARDED UNLESS THE EQUIPMENT SO INSTALLED IS NOT SHO THE CONTRACT DOCUMENTS.

WORK INCLUDED UNDER THIS DIVISION SHALL CONSIST OF FURNISHING ALL MATERIALS, EQUIPMENT, TOOLS, INSURANCE, TRANSPORTATION AND FACILITIES, AND PERFORMING A SERVICES NECESSARY FOR COMPLETE INSTALLATION OF THE NEW PLUMBING SYSTEM(S

ARRANGE FOR PIPE SPACES, CHASES, SLOTS, AND OPENINGS IN BUILDING STRUCTURE PROGRESS OF CONSTRUCTION, TO ALLOW FOR PLUMBING INSTALLATIONS. COORDINATI REQUIREMENTS FOR ACCESS PANELS AND DOORS FOR PLUMBING ITEMS REQUIRING ACC ARE CONCEALED BEHIND FINISHED SURFACES.

ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT INTERNATIONAL BUIL PLUMBING, MECHANICAL, ENERGY CONSERVATION CODES AND LOCAL JURISDICTION AM PAY FOR ALL FEES AND PERMITS AS ARE NECESSARY FOR THE COMPLTE INSTALLATION SYSTEMS.

DRAWINGS ARE DIAGRAMMATIC, INDICATING ONLY APPROXIMATE LOCATIONS OF SERVIC DUCTWORK, APPARATUS, AND PIPING UNLESS NOTED OTHERWISE, AND ARE NOT TO BE ACTUAL INSTALLATION MUST CONFORM TO ACTUAL BUILDING CONDITIONS, AND VERIFIE THE ARCHITECT/ ENGINEER RESERVES THE RIGHT TO EFFECT REASONABLE CHANGES II LOCATION OF EQUIPMENT UP TO THE TIME OF ROUGH-IN WITHOUT ADDITIONAL COST TO ANY AND ALL CHANGES SHALL BE APPROVED BY THE ARCHITECT/ ENGINEER. MAINTAIN MANUFACTURERS RECOMMENDED CLEARANCES AROUND ALL EQUIPMENT.

PROJECT SHALL BE COORDINATED WITH THE EXISTING BUIDING SERVICES AND SHALL IN ITEMS NECESSARY FOR COMPLETE AND FULLY OPERATIONAL TENANT PLUMBING SYSTEM CONNECTIONS TO AND EXTEND SYSTEMS INSTALLED BY OTHERS AND/OR FURNISHED BY PROVIDE ACCESSORIES AND INCIDENTAL ITEMS AS REQUIRED FOR A COMPLETE AND FU OPERATIONAL SYSTEM WHETHER OR NOT SPECIFICALLY SPECIFIED AND/OR SHOWN ON

DO NOT SCALE DRAWINGS. COORDINATE WITH OTHER TRADES FOR A COORDINATED INS WITHIN THE AVAILABLE SPACE. WHERE CROWDED CONDITIONS EXIST, PREPARE COORE DRAWINGS SHOWING ALL TRADE CONFLICTS AND SUBMIT TO THE ARCHITECT FOR APPRO DIRECTION PRIOR TO ROUGH-IN OR INSTALLATION. RELOCATION OF INLETS, OUTLETS, APPARATUS MADE PRIOR TO ROUGH-IN OR REQUIRED BY FIELD CONDITIONS FOR COORD SHALL BE DONE AT NO ADDITIONAL COST TO THE OWNER OR HIS AGENTS.

ALL WORK SHALL BE PERFORMED BY PROPERLY LICENSED MECHANICS OR UNDER THEIF SUPERVISION. ALL MATERIALS AND EQUIPMNT SHALL MEET THE REQUIREMENTS OF THE STANDARDS OF UL AND SHALL BEAR THE UL LABEL AS EVIDENCE THAT THE MATERIAL AN EQUIPMNT MEETS THIS REQUIREMENT.

INSTALL ALL EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS AND DETAILS UNLE OTHERWISE NOTED IN THESE PLANS.

ALL EQUIPMENT START UP AND TESTING SHALL BE PERFORMED BY THE EQUIPMENT MAN TRAINED SERVICE TECHNICIAN.

SUBMIT MANUFACTURER'S LITERATURE (SHOP DRAWINGS) FOR MATERIALS AND EQUIPMENT. SUBMITTAL SHALL INCLUDE EQUIPMENT PERFORMANCE DATA AT ELEVATIC LOCAL CONDITIONS. EQUIPMENT CUTSHEETS OR CATALOG COPIES ARE NOT ACCEPTABL

SUBMITTAL SHALL BEAR THE APPROVAL OF THE GENERAL CONTRACTOR FOR COMPLIANCE COORDINATION AND THESE SPECIFICATIONS PRIOR TO SUBMITTAL TO ARCHITECT AND/O AGENCIES.

ANY EQUIPMENT SUBSTITUTED FOR WHAT IS SCHEDULED SHALL BE EQUAL TO THAT SCH CONTROLS, ACCESSORIES, AND PERFORMANCE REGARDLESS OF MANUFACTURER.

SEPARATE PDF FILE PACKAGES SHALL BE SUPPLIED FOR EACH SECTION AND EACH SUBM EACH PDF SAHLL REPRESENT A SINGLE STANDALONE SUBMITTAL.

SUBMITTAL AND SHOP DRAWINGS SHALL INDENTIFY EACH SUBMITTED ITEM WITH NUMBE LETTERS IDENTIAL TO THOSE LISTED OR SCHEDULED ON THE DRAWINGS OR SPECIFICAT SUBMITTALS NOT INCLUDING SUCH MARKINGS WILL BE RETURNED NOT REVIEWED.

SUBMITTING SUBCONTRACTOR SHALL ALLOW FIFTEEN (15) DAYS, FOR REVIEW AND COMI

FIELD LABEL ALL PLUMBING EQUIPMENT AND PIPING AS INDICATED ON THE PLANS PER P LOCAL CODE REQUIREMENTS. INDICATE DIRECTION OF FLOW ON PIPING.

BASIC MATERIALS:.

STORM DRAIN PIPING ABOVE GRADE SHALL BE INSULATED WITH ½-INCH THICK FIBER GLASS INSULATION WITH AN ALL-SERVICE JACKET. PROVIDE SUPPLEMENTAL STEEL AND SUPPORTS AS REQUIRED FOR INSTALLATION OF PLUMBING

ACT	MATERIALS, EQUIPMENT, AND APPARATUS.	CONDENSATE DRAIN PIPING SHALL E AN ALL-SERVICE JACKET
CT DOCUMENTS T PROVIDED BY DE AS MUCH	PROVIDE VIBRATION ISOLATION ON ALL PLUMBING EQUIPMENT. INSTALL FLEXIBLE DUCT CONNECTORS ON ALL AIR HANDLING UNIT SUPPLY OUTLET AND RETURN INLET.	WATER PIPING IN UNCONDITIONED S WITH 2" FIBERGLASS INSULATION.
ENT OF FINAL IAL EQUIPMENT	ALL WORK IN FINISHED AREAS SHALL BE CONCEALED UNLESS SPECIFICALLY NOTED AS EXPOSED ON THE PLANS. PRIOR TO THE INSTALLATION OF ANY EXPOSED WORK THIS CONTRACTOR SHALL VERIFY	PLUMBING FIXTURES
LE COST FOR EXTRA COSTS	AND OBTAIN ARCHITECTURAL APPROVAL OF LOCATION AND EXTENT.	FURNISH AND INSTALL PLUMBING FIX
OWN ON ANY OF	CONFIRM ACTUAL VOLTAGES, PHASE AND CHARACTERISTICS OF EXISTING EQUIPMENT AND APPARATUS FURNISHED BY TENANT, OTHER TRADES, AND/OR DIVISIONS. CONFIRM PRIOR TO ROUGH-IN. IF DISCREPANCIES ARE NOTED TO THE INSTRUCTIONS OF THESE PLANS AND	PROVIDE CHROME PLATED ANGLE S RUNOUTS.
S, SUPPLIES, ALL LABOR AND S).	SPECIFICATIONS, SUBMIT THE NOTED DISCREPANCIES TO THE ARCHITECT FOR DIRECTION PRIOR TO PROCEEDING.	PROVIDE INSULATION AND ROUGH-IN
DURING	PROVIDE PRESSURE REDUCING VALVE ASSEMBLY AT BUILDING WATER SERVICE ENTRY WHERE PRESSURE EXCEEDS 65 PSI. PRESSURE REDUCING VALVE TO BE SET TO 65 PSI.	PROVIDE ALL ACCESSORIES AND SPI INSTALLATION.
CCESS THAT	PROVIDE SANITARY SEWER SYSTEM CLEANOUTS AS REQUIRED BY LOCAL CODES.	REDUCED PRESSURE BACKFLOW PR
	PROVIDE BRANCH SHUT-OFF VALVES ON ALL WATER LINES EXTENDING FROM MAINS.	FURNISH AND INSTALL REDUCED PRI COLD WATER SERVICE IN ACCORDAN
LDING, FIRE, /MENDMENTS. I OF PLUMBING	THE CONTRACTOR SHALL LOCATE AND FURNISH FOR INSTALLATION BY OTHERS, ALL ACCESS PANELS AS REQUIRED FOR ACCESS TO VALVES, DAMPERS, MOTORS, ETC. AND THE PROPER SERVICING OF EQUIPMENT AND LINES INSTALLED UNDER THIS CONTRACT.	REQUIREMENTS. FURNISH AND INSTALL REDUCED PRI
	ALL MATIRIAL LOCATED IN CEILING PLENUMS SHALL BE SUITABLE FOR RETURN AIR PLENUM.	REQUIRED OF THIS OR OTHER SECTI
CES, SCALED.	PIPING	ELECTRIC WATER HEATERS
ED IN THE FIELD. IN THE D THE OWNER.	SANITARY AND STORM PIPING ABOVE GRADE SHALL BE CAST IRON HUBLESS WITH STAINLESS STEEL BANDS OR SCHEDULE 40 PVC WITH SOLVENT JOINTS.	FURNISH AND INSTALL A GLASS LINE ACCEPTABLE MANUFACTURERS ARE
	SANITARY AND STORM PIPING BELOW GRADE SHALL BE CAST IRON HUBLESS WITH STAINLESS STEEL BANDS OR SCHEDULE 40 PVC WITH SOLVENT JOINTS.	FURNISH HEATER WHICH ARE CSA IN LOCAL MUNICIPALITIES.
NCLUDE ALL EMS. MAKE Y OTHERS.	DOMESTIC WATER PIPING ABOVE GRADE SHALL BE TYPE L COPPER WITH SOLDERED JOINTS OR PEX WITH MANUFACTURE APPROVED JOINING METHOUD.	WATER HEATER LOCATED IN CEILING DRAIN TO NEAREST FLOOR DRAIN, FI
JLLY I THE PLANS.	DOMESTIC WATER PIPING BELOW GRADE SHALL BE TYPE K COPPER WITH SILVER SOLDERED JOINTS.	GAS WATER HEATERS
ISTALLATION DINATION	CONDENSATE DRAIN PIPING SHALL BE TYPE M COPPER WITH SOLDERED JOINTS OR SCHEDULE 40 PVC WITH SOLVENT JOINTS.	FURNISH AND INSTALL A GLASS LINE ACCEPTABLE MANUFACTURERS ARE
Roval and And/or Rdination	COMPRESSED AIR PIPING SHALL BE TYPE L COPPER WITH SOLDERED JOINTS OR SCHEDULE 40 BLACK STEEL WITH MALLEABLE THREADED FITTINGS	FURNISH HEATER WHICH ARE UL LAE
	GAS PIPING 2-1/2" INCHES AND LARGER SHALL BE SCHEDULE 40 STEEL WITH WELDED JOINTS.	CLEAN INSULATION COVERING, DUC OF PAINT. CLEAN EQUIPMENT RECIV
IR DIRECT E APPLICABLE ND/OR	GAS PIPING 2 INCHES AND SMALLER SHALL BE SCHEDULE 40 STEEL WITH MALLEABLE THREADED FITTINGS.	REPLACE AIR FILTERS IF UNITS WERI AND COILS IF UNITS WERE OPERAED
		INSTRUT OWNER IN OPERATION AND
ESS	DENTAL GAS PIPING (OXYGEN, NITROUS OXIDE, NITROGEN) SHALL BE TYPE L OR K COPPER MEDICAL GAS TUBE IDENTIFIED WITH MANUFACTURE MAKINGS FOR "OXY", "MED", "OXY/MED", "OXY/ACR" OR "ACR/MED" IN BLUE (TYPE L), OR GREEN (TYPE K) WITH	SHALL INCLUDE PLUMBING CONTRAC
NUFACTURER	BRAZED JOINTS DENTAL VACUUM PIPING SHALL BE TYPE L COPPER WITH SOLDERED JOINTS OR AS SPECIFIED BY	PERMANENT OPERATION, REFINISH I ORDER AND APPEARANCE.
	DENTAL EQUIPMENT SUPPLIER	ON COMPLETION OF WORK. REMOVE PREMISES CLEAN.
ON AND/OR BLE.	GAS PIPING BELOW GRADE SHALL BE WRAPPED WITH PROTECTIVE PIPE COVERING AND VENTED IN ACCORDANCE WITH LOCAL JURISDICTIONS HAVING AUTHORITY.	OPERATION AND MAINTENANCE MAN PRIOR TO COMPLTION OF PROJECT,
NCE WITH OR HIS	FIRE STOP ALL PIPING MATERIALS PASSING THROUGH FIRE RATED STRUCTURES OR FIRE RATED ASSEMBLIES IN ACCORDANCE WITH THE REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION. USE CURRENTLY LISTED U.L. CLASSIFIED PRODUCTS, TESTED BY ASTM E814. USE FOR ALL APPLICABLE PIPE PENETRATIONS THROUGH FIRE RATED FLOORS, WALLS, OR FLOOR CEILING ASSEMBLIES IN	OPERATION AND MAINTENANCE OF F INCLUDING PLUMBING SYSTEMS INS THREE RING BINDERS. INSTRUCTION
HEDULED IN	ACCORDANCE WITH LOCAL CODE REQUIREMENTS.	INCLUDE CERTIFIED TEST AND BALA
BMITTAL TYPE,	INSULATION	INCLUDE STARTING. TOPPING. LUBRI ADJUSTMENT INFORMATION FOR EA
	ALL COLD AND HOT WATER PIPING SHALL HAVE A MINIMUM CONDUCTANCE VALUE BETWEEN 0.21 AND 0.28	INCLUDE GUARANTEES AND WARRAN
ERS OF TIONS,	COLD WATER PIPING SHALL BE INSULATED WITH 1/2 INCH THICK FIBER GLASS INSULATION WITH AN ALL-SERVICE JACKET.	INCLUDE AS-BUILT DRAWINGS OF CC
IMENT.	COLD WATER PIPING EXPOSED TO WEATHER SHALL BE INSULATED WITH 1 1/2" FIBERGLASS INSULATION. HOT WATER PIPING 2" OR LESS SHALL BE INSULATED WITH 1-INCH FIBERGLASS INSULATION. HOT WATER PIPING GREATER THAN 2-INCHES SHALL BE INSULATED WITH 1 ½ " FIBERGLASS	
PLUMBING AND	INSULATION. RUNOUTS, NOT EXCEEDING 12 FEET, UP TO 2-INCHES SHALL BE INSULATED WITH ½-INCH THICK FIBER GLASS INSULATION WITH AN ALL-SERVICE JACKET.	

SPACE AND EXTERIOR WALLS SHALL BE INSULATED

IXTURES AS SCHEDULED ON THE PLANS.

IN AS REQUIRED FOR COMPLIANCDE WITH ADA REQUIREMENTS. PECIALTY ITEMS AS REQUIRED FOR A COMPLETE FIXTURE

REVENTERS

RESSURE BACKFLOW PREVENTER FOR THE PRIMARY DOMESTIC ANCE WITH STATE, LOCAL, AND JURISDICTIONAL WATER DISTRICT

ESSURE BACKFLOW PREVENTERS FOR PLUMBING EQUIPMENT TIONS OF THESE SPECIFICATIONS.

ED ELECTRIC WATER HEATER AS SCHEDULED ON THE PLANS. A.O. SMITH, BRADFORD WHITE, RHEEM, OR STATE.

TERNATIONAL CERTIFIED AND MEET THE REQUIREMENTS OF

IG SHALL BE PROVIDED WITH 2 ½ " DEEP DRAIN PAN. TERMINATE LOOR SINK OR LAV TRAP.

ED HIGH EFFICIENCY WATER HEATER AS SCHEDULED ON THE PLANS. E A.O. SMITH, BRADFORD WHITE, RHEEM, OR STATE.

BELED AND MEET THE REQUIREMENTS OF LOCAL MUNICIPALITIES.

CTS, PIPES, EQUIPMENT AND ACCESSORIES TO RECEIVE PRIME COAT VED WITH PRIME COAT TO RECEIVE FINAL COAT. RE OPERATED DURING CONSTRUCTION. CLEAN DUCTS. BLOWERS, WITHOUT FILTERS DURING CONSTRUCTION.

MAINTENANCE OF PLUMBING SYSTEMS. MINIMUM PARTICIPANTS ACTOR AND CONTROLS CONTRACTOR REPRESENTATIVES.

AVE BEEN MADE AND SYSTEM IS PRONOUNCED SATISFACTORY FOR DAMAGED FINISH AND LEAVE EVERYTHING IN PROPER WORKING

TOOLS, SCAFFOLDING, DEBRIS. ETC. FROM GROUNDS AND LEAVE

NUALS: , SUBMIT THREE (3) SETS OF MAINTENANCE MANUALS COVERING PLUMBING EQUIPMENT WITH MOVING OR MOVABLE PARTS. TRUCTIONS SHALL BE IN PAMPHLET OR TYPEWRITTEN FORM IN INS FOR EACH UNIT SHALL BE INDICATED BY SEPARATE TAB.

NCE REPORT.

RICATION, PREVENTATIVE MAINTENANCE SCHEDULE. AND ACH PIECE OF EQUIPMENT. ANTIES OF ALL EQUIPMENT.

OMPLETED HVAC AND PLUMBING SYSTEMS



STOPS AND ESCUTCHEON PLATES ON ALL EXPOSED FIXTURE



ARWIN PRIEST P.E., P.Eng. MECHANICAL * ENGINEER * ELECTRICAL 242 Mountain Cloud Circle Highlands Ranch, Colorado 80126 Email: arwin@pedenver.com / apriest@thompson-eng.com Ph: (303) 947-6394 & (303) 773-8773

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PROJECT INFORMATION



FIREHOUSE SUBS 111 SE M291 HWY STE. 100

LEES SUMMIT, MO 64081

progress set tion

ISSUE DATES

PERMIT/CONSTRUCTION 11.11.2020

PROJECT NUMBER:

DATE

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SSUE

PLU	MBING EQUIF	PMENT SCHEDULE			
KEY	DESCRIPTION	BASIS OF DESIGN	KEY	DESCRIPTION	BASIS OF DESIGN
WCO-1	WALL CLEANOUT	JAY R. SMITH FIG 4710-U, S.S. SHALLOW COVER W/ VANDAL PROOF CENTER SCREW.	FD-1	FLOOR DRAIN	JAY R. SMITH FIG 2010-A-U-PB, DUCO C.I. BODY AND FLASHING COLLAR W/ POLISHED BRONZE, ROUND STRAINER AND VANDAL PROOF SCREWS.
FCO-1	FLOOR CLEANOUT	JAY R. SMITH FIG 4023-U-PB, DUCO C.I. W/ ROUND ADJ. SCORIATED VANDAL PROOF, POLISHED BRONZE TOP AND TAPER THREAD BRONZE PLUG.	FS-1	FLOOR SINK	JAY R. SMITH FIG 3140-C-15-U, C.I. FLANGED RECEPTOR, 12 1/2" SQ. TOP, 6" DEEP W/ FLASHING CLAMP, DOME BOTTOM STRAINER, NICKEL BRONZE RIM AND ALUMINUM RECESSED GRATE SECURED W/ V.P. SCREWS.
DCP-1	DOMESTIC CIRC. PUMP	TACO SERIES 003-IFC IN-LINE CIRCULATING PUMP, 2.0 GPM @ 4.0 FT. HEAD, 120V-1Ø, 1/20 HP, INTEGRAL FLOW CHECK VALVE, AQUASTAT	GI-1	GREASE INTERCEPTOR	JAY R. SMITH FIG. 8050 GREY DUCO C.I. BODY AND COVER 50 GPM MAXIMUM FLOW RATE, 100 LB GREASE CAPACITY/W 50 GPM FLOW CONTROL FITTING, LIFT OUT SEDIMENT BUCKET
SCO-1	GRADE CLEANOUT	JAY R. SMITH FIG 4253-U-G, GALVANIZED C.I. W/ DOUBLE FLANGED HOUSING, HEAVY DUTY SECURED SCORIATED COVER W/ LIFTING DEVICE, VANDAL PROOF SCREWS AND TAPER THREAD BRONZE PLUG.	SCO-2	GRADE CLEANOUT 2-WAY	SAME AS SCO-1, PROVIDE TYLER PIPE #5460 SERIES 2-WAY CLEANOUT AND #5626 45 DEGREE OFFSETS. (2) COVERS REQUIRED.
AAV	AIR ATTMITANCE VALVE (STUDOR VALVE)	STUDOR 'MINI-VENT' MODEL 20301 FOR PVC CONNECTION MODEL 20300 FOR ABS CONNECTION			

PL	UMBING FIX	XTUR	E SCHE	DUL	E													
	DECODIDION		MODEL	CONNECTIO			IONS		DEMARKO		DECODIDION	MANUF	MODEL		CONNEC	TIONS	DEMARKO	
KEY	DESCRIPTION	MANUF	MODEL	TRAP	w	V	CW	H/TW	- REMARKS	KEY	KEY DESCRIPTION		MODEL	TRAP	w v	CW	H/TW	REMARKS
HS-1	HANDSINK	BY KITCH	HEN EQ. SUPPLIER	1 1/2"	2"	2"	1/2"	1/2"	1,15	WC-1	FLR. MTD. WATER CLOSET TANK SEAT	PROFLO PROFLO PROFLO	PF1603PAWH PF1612PAWH WHITE	INT.	4" 2"	1/2"	-	1,12
L-1	WALL HUNG LAVATORY FAUCET STRAINER/OFFSET TAILPIECE SUPPORT CARRIER	PROFLO PROFLO KOHLER J.R. SMITH	PF5518WH PFWS1002M K-13885 700	1 1/4"	2"	2"	-	1/2"	1,15	TS-1	3-COMP SINK	ВҮ КІТСН	EN EQ. SUPPLIER	_	2"	1/2"	1/2"	INDIRECT WASTE
MSB-1	MOP BASIN FAUCET HOSE & HOSE BRACKET	FIAT FIAT FIAT	MSB-2424 830-AA 832-AA	3"	3"	2"	1/2"	1/2"	5	PS-1	PREP SINK	ВҮ КІТСНІ	EN EQ. SUPPLIER		2"	1/2"	1/2"	INDIRECT WASTE

KEY	DESCRIPTION	MANUF							DEMARKO		DESCRIPTION		MODEL		001		IONS		
			MODEL	TRAP	w	V	CW	H/TW	REMARKS	KEY	DESCRIPTION	MANUF	MODEL	TRAP	w	V	CW	H/TW	REMARKS
HS-1	HANDSINK	BY KITCHE	EN EQ. SUPPLIER	1 1/2"	2"	2"	1/2"	1/2"	1,15	WC-1	FLR. MTD. WATER CLOSET TANK SEAT	PROFLO PROFLO PROFLO	PF1603PAWH PF1612PAWH WHITE	INT.	4"	2"	1/2"	-	1,12
L-1 S	WALL HUNG LAVATORY FAUCET STRAINER/OFFSET TAILPIECE SUPPORT CARRIER	PROFLO PROFLO KOHLER J.R. SMITH	PF5518WH PFWS1002M K-13885 700	1 1/4"	2"	2"	_	1/2"	1,15	TS-1	3-COMP SINK	BY KITCH	en Eq. supplier		2"	-	1/2"	1/2"	INDIRECT WA
MSB-1	MOP BASIN FAUCET HOSE & HOSE BRACKET	FIAT FIAT FIAT	MSB-2424 830-AA 832-AA	3"	3"	2"	1/2"	1/2"	5	PS-1	PREP SINK	ВҮ КІТСН	en eq. supplier		2"	-	1/2"	1/2"	INDIRECT WA

GENERAL SCHEDULE NOTES:

- ACCESSORY
- D. ALL FLUSH VALVES SHALL HAVE A.D.A COMPLIANT HANDLES E. ALL EXPOSED PIPING SHALL BE POLISHED CHROME
- G. ACCESSIBLE WATER CLOSETS SHALL BE OPERABLE FROM THE WIDE SIDE OF THE STALL

SCHEDULE REMARKS: (NOT ALL REMARKS MAY BE APPLICABLE TO THIS PROJECT)

- FIXTURE DESIGNATED TO BE IN COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT (A.D.A) REFRIGERATION SYSTEM CHARGED WITH R-134A REFRIGERANT EXTEND CHROME PLATED TAILPIECE TO PLASTER TRAP
- FAUCET LEDGE SHALL BE PUNCHED FOR SINGLE HOLE FAUCET SPECIFIED 8. PROVIDE CHROME PLATED TAILPIECE EXTENSION AND TURN DOWN TO ALLOW FOR KNEE-SPACE CLEARANCE.
- 9. INSTALL DISPOSER IN RIGHT-HAND COMPARTMENT AND DRAIN STRAINER IN LEFT-HAND COMPARTMENT
- 11. MOUNT SHOWER HEAD AT 6'-0" A.F.F.
- 12. 1.28 GALLONS PER FLUSH
- 13. 0.5 GALLONS PER FLUSH
- 14. COORDINATE FLUSH VALVE ROUGH-IN ELEVATION WITH GRAB BAR MOUNTING HEIGHT PRIOR TO INSTALLATION 15. PROVIDE WATTS SERIES LFMMV THERMOSTATIC MIXING VALVE SET AT 105°F - ASSE 1070 LISTED

GAS	GAS WATER HEATER SCHEDULE									
SYMBOL	MFR	MODEL	STORAGE TANK GAL	MBH INPUT @ SL	INLET WATER TEMP F	OUTLET WATER TEMP F	RECOVERY RATE GPM	ELEC	REMARKS	
GWH-1	TAKAGI	T-M50		380.0	40	140	7.5	120V-1Ø	1,2	
1. DIRECT VENT KI 2. BURNER SHALL	T BE DESIGNED TO FIRE	ON NATURAL GAS, 6"	W.C., 1,000 BTU/CF							

A. REFER TO ARCHITECTURAL DRAWINGS AND ELEVATIONS FOR EXACT LOCATION AND MOUNTING HEIGHT ELEVATIONS OF ALL PLUMBING FIXTURES PRIOR TO INSTALLATION B. PROVIDE ALL FIXTURES WITH CHROME PLATED CAST BRASS, ADJUSTABLE 'P' TRAPS WITH CLEANOUT PLUGS, TUBING OUTLETS AND WALL FLANGES UNLESS FIXTURE IS FURNISHED WITH AN INTEGRAL TRAP OR IS PROVIDED ONE AS A STANDARD PROVIDE ALL FIXTURES WITH CHROME PLATED SUPPLIES WITH ANGLE OR STRAIGHT PATTERN LOOSE KEY STOPS UNLESS FIXTURE IS FURNISHED WITH INTEGRAL STOPS OR STOPS ARE PROVIDED AS STANDARD ACCESSORIES

COORDINATE ALL CASEWORK MOUNTED FIXTURES WITH BASE CABINET DIMENSIONS PRIOR TO ORDERING FIXTURES. NOTIFY ARCHITECT/ENGINEER IMMEDIATELY IF A CONFLICT EXISTS

FAUCET COMPLETE WITH RIGID GOOSENECK SPOUT, E3-VP AERATOR AND 317 WRIST BLADE HANDLES. INSULATE TRAP AND WATER SUPPLIES

FAUCET TO HAVE ROUGH CHROME FINISH AND SHALL BE MOUNTED 3'-6" A.F.F. PROVIDE SHORT SPOUT W/VACUUM BREAKER AND RPZA ASSEMBLY

10. ROUGH-IN AND CONNECT TO SINK BASIN FURNISHED AND INSTALLED BY CASEWORK SUPPLIER

TOTAL CONNECTED GAS LOAD SCHEDULE

EQUIPMENT	QTY	INPUT EACH (BTUH)	INPUT TOTAL (BTUH)
RTU-1	1	250,000	250,000
GWH-1	1	380,000	380,000
		TOTAL CONNECTED LOAD =	630,000
			•

NOTES:

INSTALLATION OF GAS METER AND SERVICE PIPING TO BE PERFORMED BY LOCAL GAS UTILITY COMPANY GAS DISTRIBUTION PRESSURE SHALL BE 7" W.C. GAS DISTRIBUTION SYSTEM PIPE SIZING BASED ON TOTAL DEVELOPED LENGTH OF 150 FT.

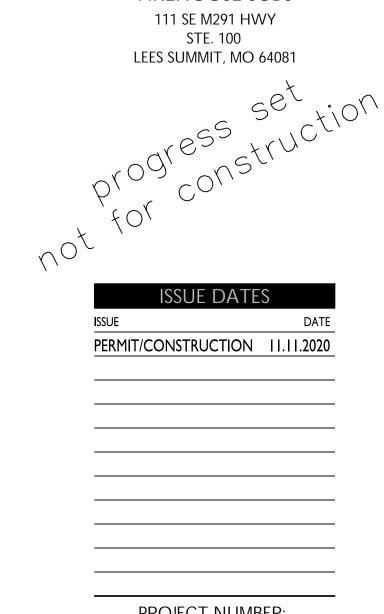
REMARKS

1. XXX

2. XXX 3. XXX



PROJECT NUMBER:





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ARWIN PRIEST P.E., P.Eng. MECHANICAL * ENGINEER * ELECTRICAL 242 Mountain Cloud Circle Highlands Ranch, Colorado 80126 Email: arwin@pedenver.com / apriest@thompson-eng.com Ph: (303) 947-6394 & (303) 773-8773

CURRAN ARCHITECTURE 5719 LAWTON LOOP E. DR. #212

> INDIANAPOLIS, IN 46216 O :: 317 . 288 . 0681

F :: 317 . 288 . 0753

> REMARKS XXX XXX

> > XXX

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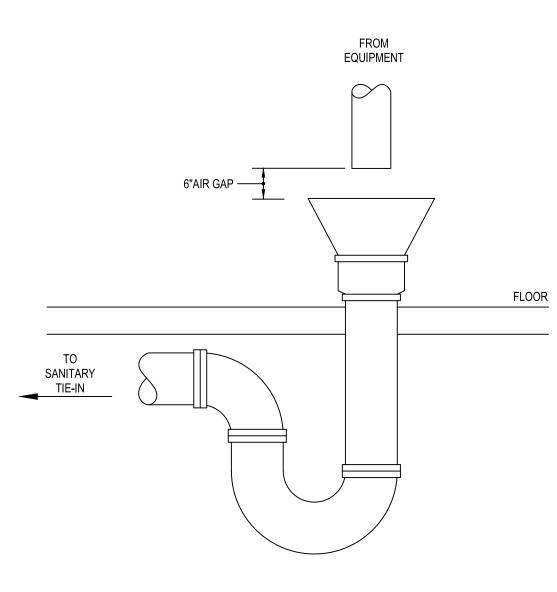
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FIREHOUSE SUBS

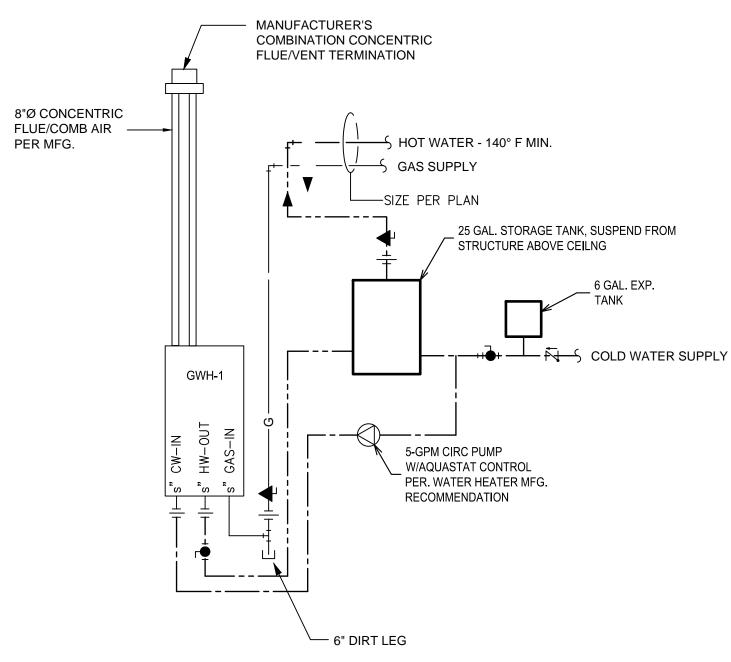
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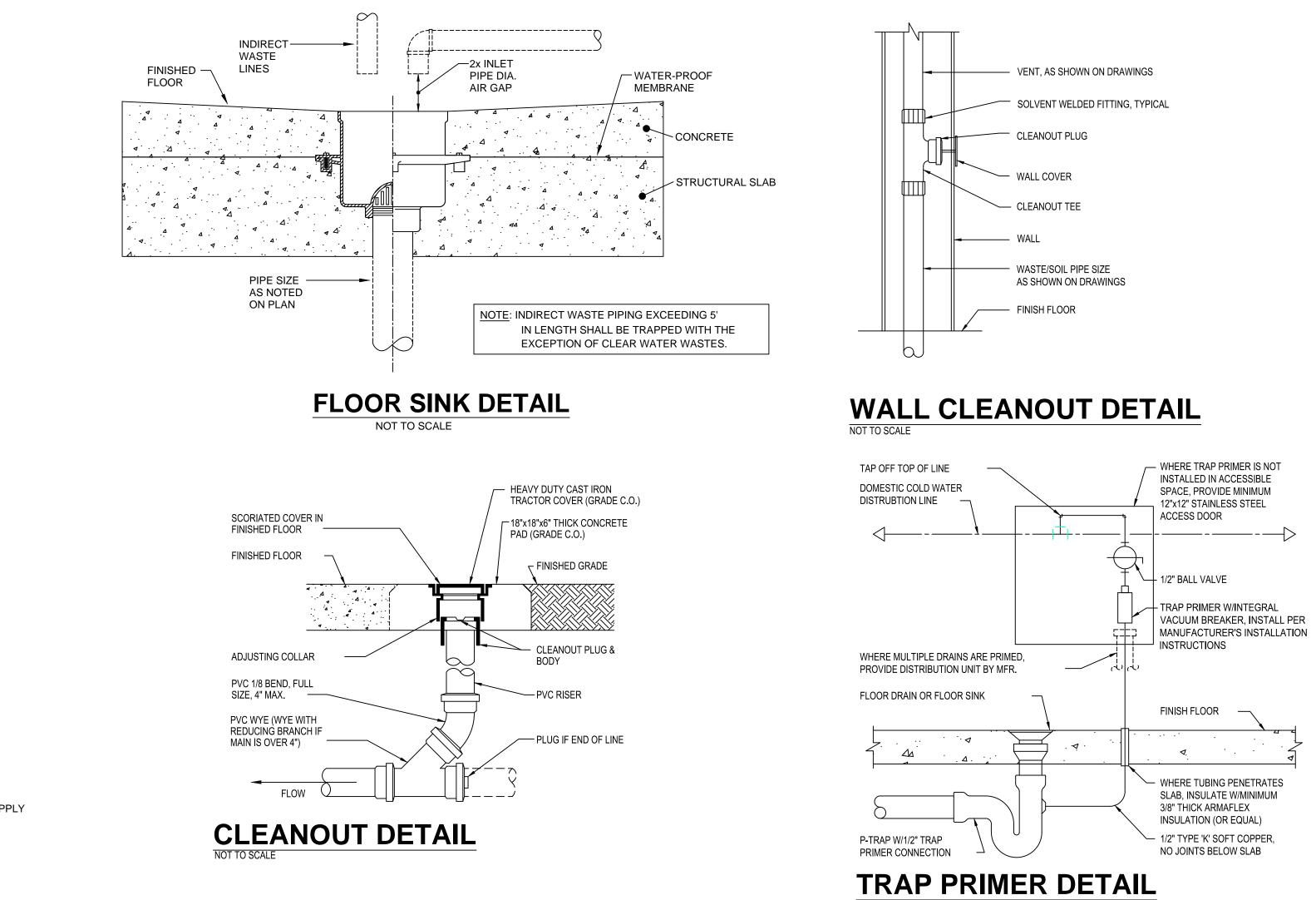


HUB DRAIN WITH FUNNEL DETAIL

NOT TO SCALE



GAS FIRED WATER HEATER DETAIL NOT TO SCALE



6 GAL. EXP.

NOT TO SCALE



F :: 317 . 288 . 0753 ARWIN PRIEST P.E., P.Eng. MECHANICAL * ENGINEER * ELECTRICAL 242 Mountain Cloud Circle Highlands Ranch, Colorado 80126 Email: arwin@pedenver.com / apriest@thompson-eng.com Ph: (303) 947-6394 & (303) 773-8773

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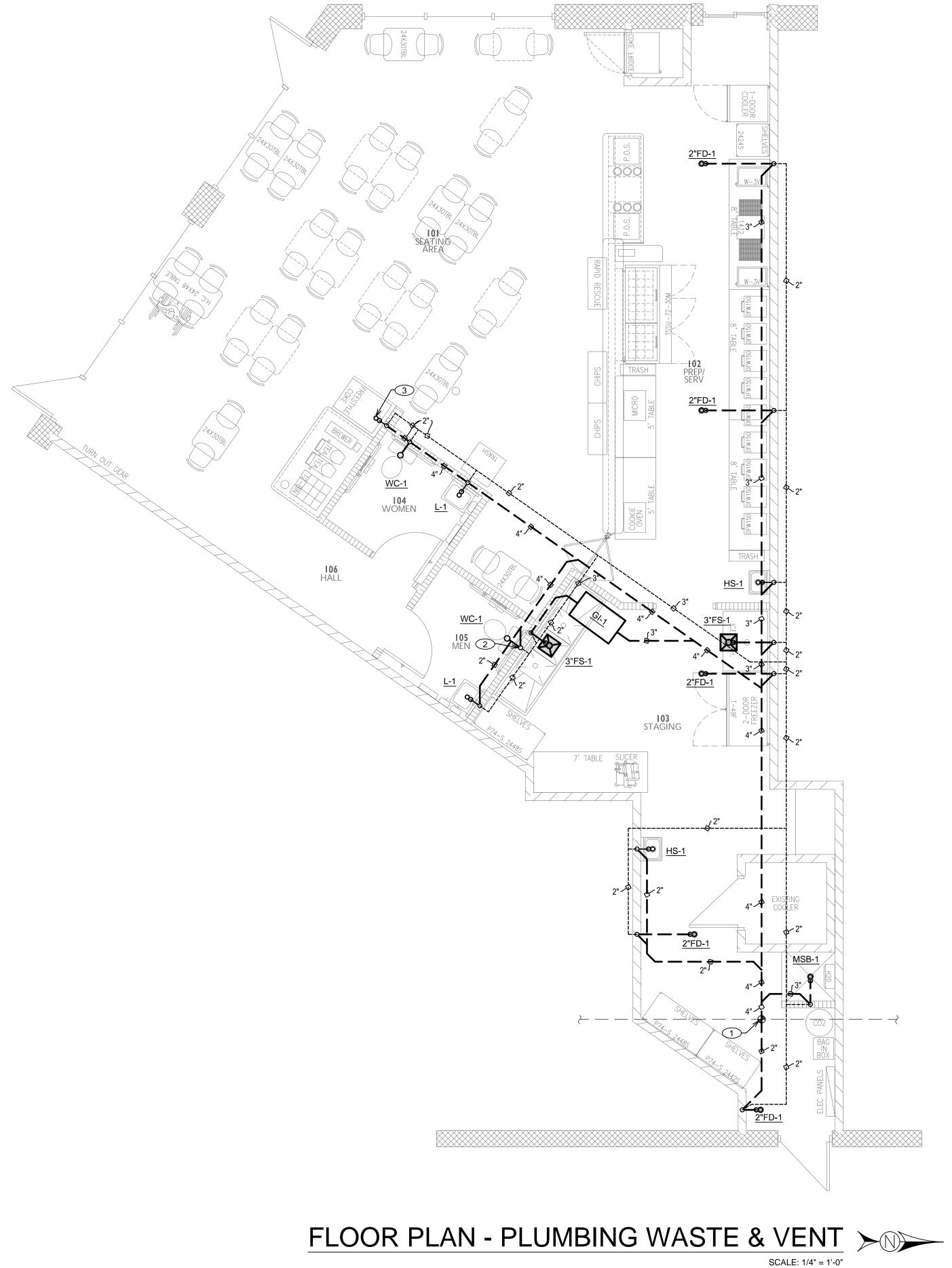
LEES SUMMIT, MO 64081

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not ISSUE DATES

> ISSUE DATE PERMIT/CONSTRUCTION 11.11.2020





SHEET NOTES I

- 1. CONNECT TO EXISTING 4" OR LARGER BUILDING DRAIN LINE IN LOWER LEVEL.VERIFY EXACT LOCATION, SIZE, DEPTH AND FLOW DIRECTION IN FIELD PRIOR TO START OF WORK
- 2. 3" VENT UP TO 3" VENT THROUGH ROOF, OFF-SET AS REQUIRED TO MAINTAIN MINIMUM 10'-0" CLEARANCE FROM ROOFTOP UNIT OUTSIDE AIR INTAKE
- 3. 3" HUB DRAIN, RE: DETAIL





O :: 317 . 288 . 0681 F :: 317 . 288 . 0753

ARWIN PRIEST P.E., P.Eng. MECHANICAL * ENGINEER * ELECTRICAL 242 Mountain Cloud Circle Highlands Ranch, Colorado 80126 Email: arwin@pedenver.com / apriest@thompson-eng.com Ph: (303) 947-6394 & (303) 773-8773

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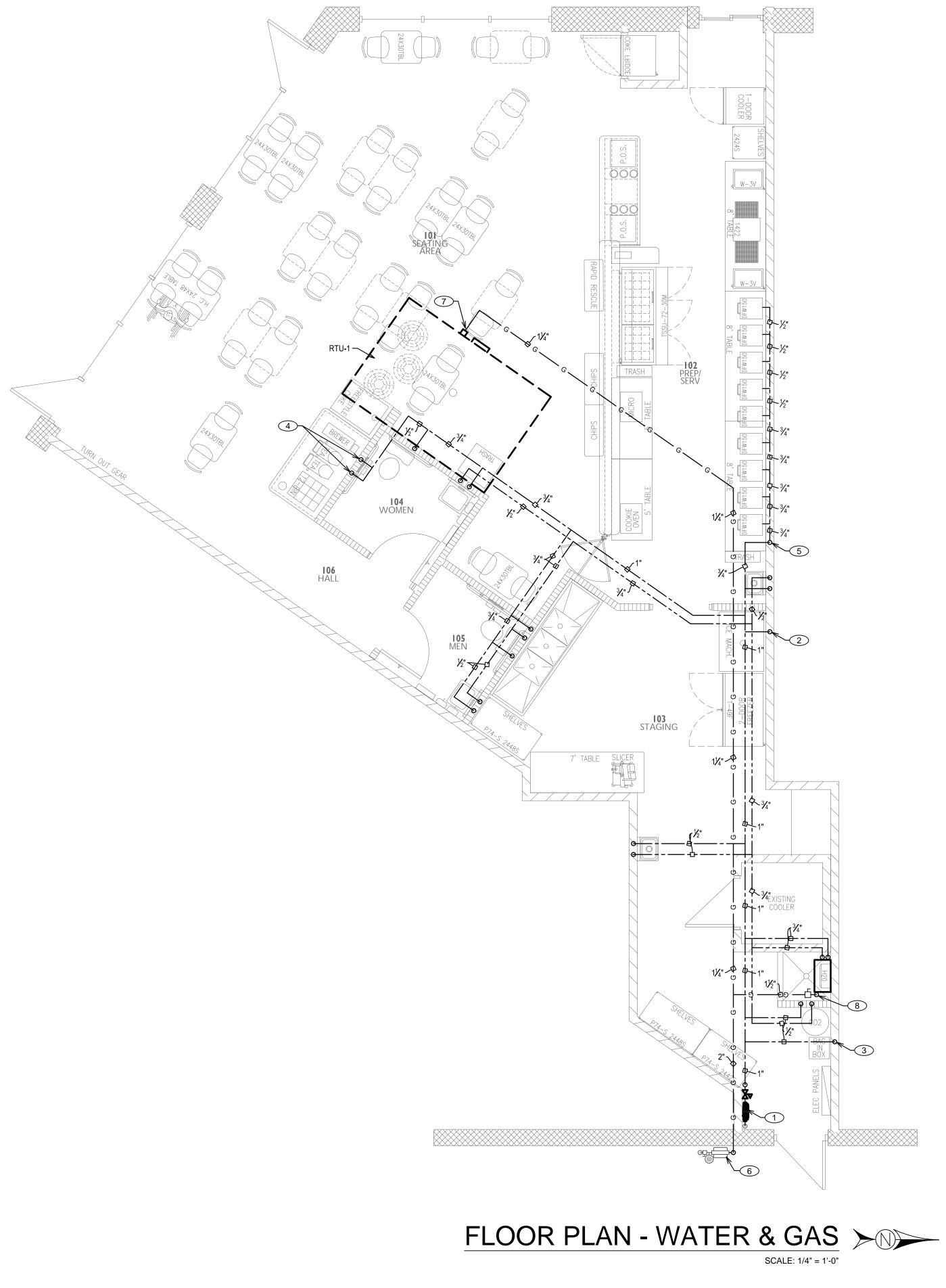
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SHEET NOTES I

- 1. 1" CONNECTION TO EXISTING ³/₄" CW WITH NEW BACKFLOW PREVENTER
- 2. ½" CW DOWN IN WALL TO CONNECTION AT AIR COOLED ICE MACHINE, PROVIDE WATTS SERIES 9D IN-LINE BACKFLOW PREVENTER AND SHUT-OFF VALVE AT CONNECTION
- 3. 1/2" CW DOWN IN WALL TO CONNECTION AT BAG-N-BOX, PROVIDE WATTS SS009 IN-LINE BACKFLOW PREVENTER AND SHUT-OFF VALVE AT CONNECTION
- 4. ½" CW DOWN IN WALL TO CONNECTION AT TEA/COFFEE/ICE MACHINES, PROVIDE WATTS SD3 IN-LINE BACKFLOW PREVENTER AND SHUT-OFF VALVE AT CONNECTION
- 5. $\frac{3}{4}$ " CW DOWN IN WALL TO MANIFOLD ALONG BACK OF STEAMERS WITH $\frac{1}{2}$ " VALVED CONNECTIONS TO EACH STEAMER
- 6. EXISTING GAS METER BY LOCAL GAS UTILITY, PROVIDE 2" GAS LINE (7"WC) FROM METER UP TO ROOF
- 7. 1¹/₄" GAS CONNECTION TO ROOFTOP UNIT, PROVIDE SHUT-OFF VALVE, UNION AND MINIMUM 6" DEEP DIRT LEG AT CONNECTION
- 8. 11/2" GAS DOWN THROUGH ROOF TO CONNECTION AT WATER HEATER, PROVIDE SHUT-OFF VALVE, UNION AND MINIMUM 6" DEEP DIRT LEG AT CONNECTION



CURRAN ARCHITECTURE

5719 LAWTON LOOP E. DR. #212 INDIANAPOLIS, IN 46216 O :: 317 . 288 . 0681 F :: 317 . 288 . 0753

ARWIN PRIEST P.E., P.Eng. MECHANICAL * ENGINEER * ELECTRICAL 242 Mountain Cloud Circle Highlands Ranch, Colorado 80126 Email: arwin@pedenver.com / apriest@thompson-eng.com Ph: (303) 947-6394 & (303) 773-8773

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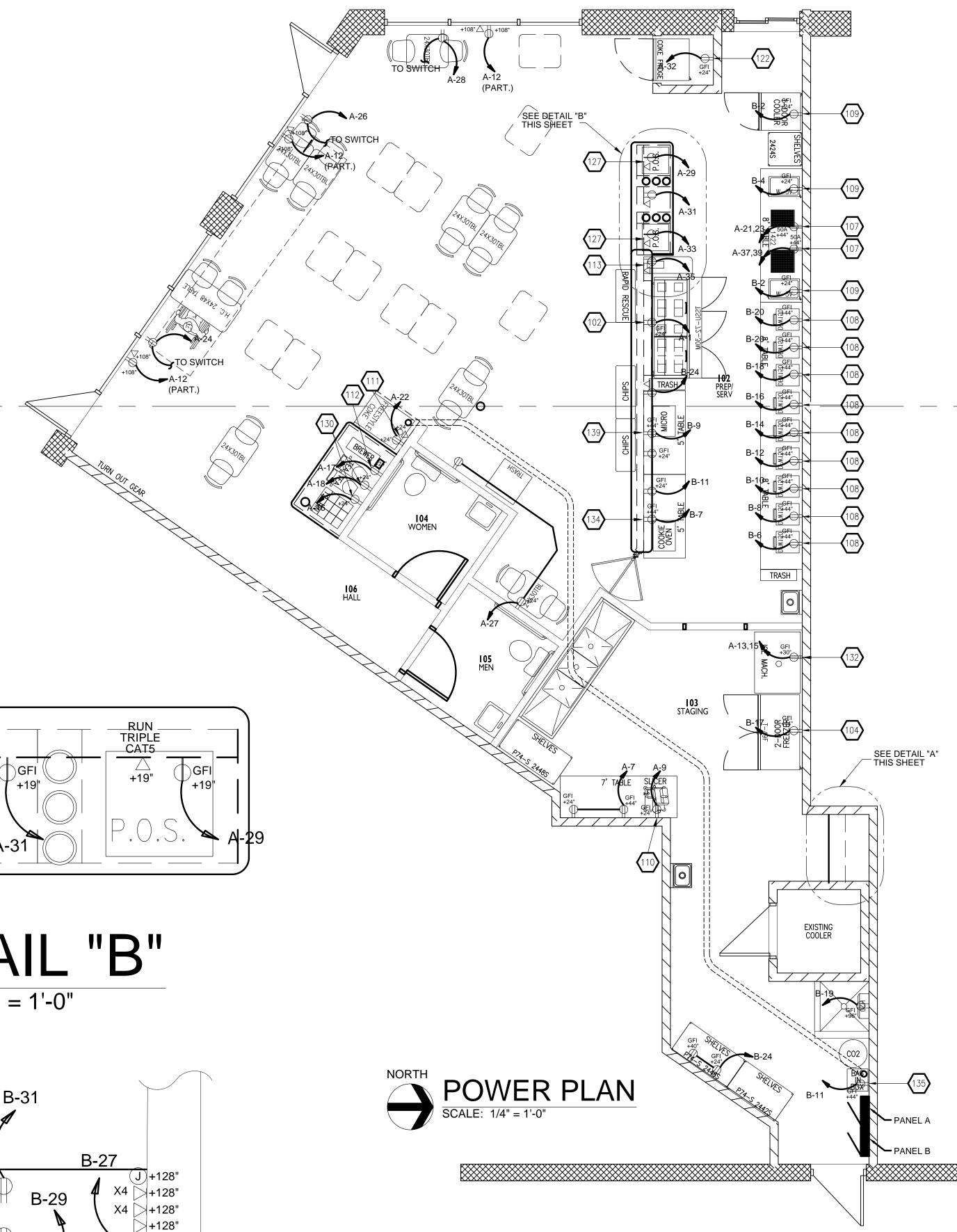
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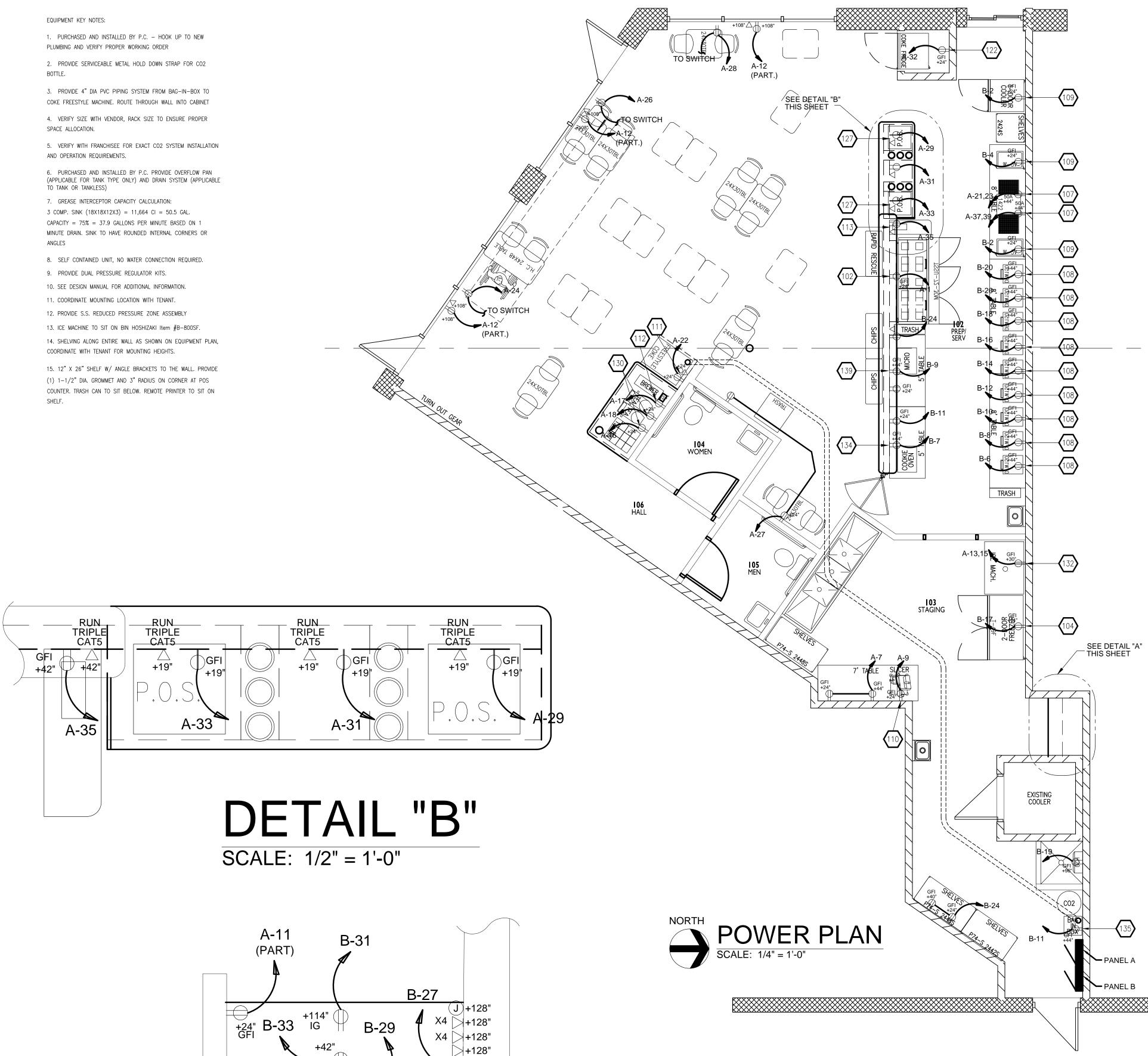
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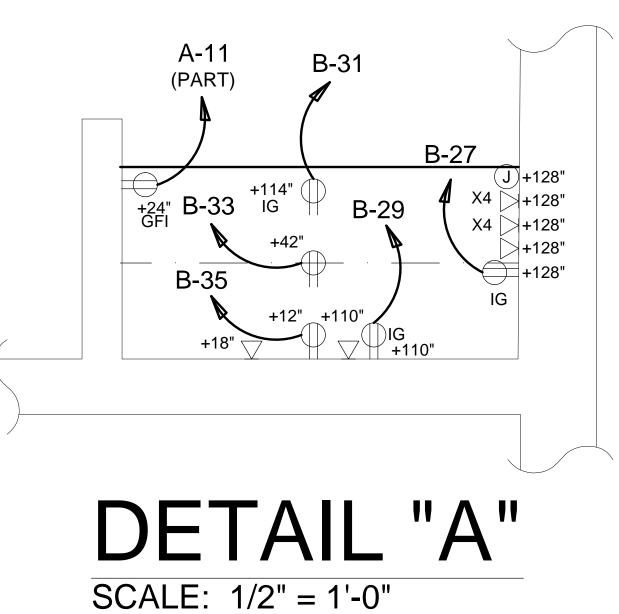
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ANGLES







ELECTRICAL/DATA NOTES

POS STATION

CONTRACTOR TO PROVIDE ONE DEDICATED, ISOLATED GROUND RECEPTACLE (ORANGE) FOR EACH POS STATION

CONTRACTOR TO PROVIDE ONE J-BOX AT EACH POS STATION WITH THREE CONTRACTOR TO PROVIDE 2 QUAD RECEPTACLES AT MANAGER'S DESK (ONE TERMINATED CAT-5 CABLES IN EACH (1-POS, 1-VERIFONE, 1-EXTRA)

CONTRACTOR TO PROVIDE ONE J-BOX IN POS CABINET WITH ONE CAT-5 CABLE, TERMINATED FOR VOICE

CONTRACTOR TO PROVIDE ONE DUPLEX RECEPTACLE IN POS CABINET FOR THE BASE, ETC.

LINE PRINTER

CONTRACTOR TO PROVIDE ON DEDICATED, ISOLATED GROUND RECEPTACLE AND ONE J-BOX WITH ONE TERMINATED CAT-5 CABLE AT LINE PRINTER.

BUMP SCREEN

CONTRACTOR TO PROVIDE ONE DEDICATED, ISOLATED GROUND RECEPTACLE AND ONE J-BOX WITH ONE TERMINATED CAT-5 CABLE AT END OF LINE BUMP SCREEN

MANAGERS DESK

ABOVE DESK, ONE BELOW DESK) AND ONE DUPLEX DEDICATED, ISOLATED GROUND RECEPTACLE (ABOVE TOP SHELF)

CONTRACTOR TO PROVIDE AN 18-PORT MODULAR PATCH PANEL ABOVE TOP SHELF AT MANAGER'S DESK.

CONTRACTOR IS RESPONSIBLE FOR PULLING CAT-5 CABLE AND TERMINATING WALL JACKS.

MARK

EOUIPMENT SCHEDULE

Box Content Nation Name P-40 PP-50 (MARC) PARCE PARCE Name Content PARCE 1 XXX Reserve FLAMA NAME CAR P-23 Provide PARCE PARCE Name Car 1 XXX Reserve FLAMA NAME P-23 Provide PARCE PARCE Name Car 1 XXX Reserve FLAMA NAME PARCE Name Car Provide PARCE PARCE Name Car 1 XXX Reserve FLAMA NAME CAR NAME CAR Name Car Name Car Name Car 5 CAT GRAMA NAME CAR NAME CAR Name Car Name Car 5 CAT GRAMA NAME CAR Name CAR Name CAR Name CAR 5 CAT GRAMA Name CAR Name CAR Name CAR Name CAR 5 CAT GRAMA Name CAR Name CAR Name CAR Name CAR 5 CAT GRAMA Name CAR Name CAR Name CAR Name CAR 5 CAT NAME GRAMA Name CAR Name CAR Name CAR Name CAR 5 CAT NAME CAR GRAMA Name CAR Name CAR Name CAR	E	QUIPMER	NI SCHE	DULE			
Set is a constrainedConst is a constrainedConst is a constrainedConst is a constrained2. WE REAL INTERNALWE REAL INTERNALWE REAL INTERNALWE REAL INTERNALWE REAL INTERNAL2. WE REAL INTERNALWE REALWE REAL INTERNALWE REAL1. WE REAL INTERNALWE REALWE REALWE REAL1. WE REALWE REALWE REALWE REAL1. WE RE	DESCRIPTION	MANUFACTURER	MODEL NUMBER	UTILITY REQUIREMENTS	NOTES		
17* HE HOUSE AND	48" REF. SANDWICH UNIT	TRUE FOOD SERVICE	TSSU-48-18MB	115V-60Hz, 1 PHASE, 8.6A, 1/3 HP. NFMA 5-20P			
1000 & 100 COUCY 44 PARCE COURT A CARCE 2 DOM RAP - MERCER 7.8.4 1-40° 12000 RAP - MERCER 1000 RAP - MERCER	72" REF. SANDWICH UNIT	TRUE FOOD SERVICE	TSSU-72-30MB	115V-60Hz, 1 PHASE	NOT USED		
Loss Besch Belgen Loss Loss Besch Belgen Die Besch Belgen	GRAB & GO COOLER	BY VENDOR			COORDINATE W/ OWNER		
1.000 F206-1 7022013-ADL 494-3-3011% a transition100 feet and a set and a	2 DOOR REACH-IN FREEZER	TRUE	T-49F	115V-60Hz, 1 PHASE, 11.0A, 3/4 HP NEMA 5-15P	NOT USED		
1 003 # 462-94 2007F FEE 1 -37 1 737 <td>1 DOOR REACH-IN FREEZER</td> <td>ARCTIC AIR</td> <td>AF-23</td> <td>115V-60Hz, 1 PHASE, 7.2A,</td> <td>NOT USED</td>	1 DOOR REACH-IN FREEZER	ARCTIC AIR	AF-23	115V-60Hz, 1 PHASE, 7.2A,	NOT USED		
NATE FULL SPACE S	1 DOOR REACH-IN COOLER	TRUE	T-23	115V-60Hz, 1 PHASE, 7.6A,			
Number Number Number Number Number Number Number δ, δ NOW WARD NUMO RSS NUMORALISM δ, δ Sinse SIGE SIGE <t< td=""><td>TOASTER</td><td>HOLMAN</td><td>314HXETB</td><td>208V, SINGLE PHASE, 5400W</td><td></td></t<>	TOASTER	HOLMAN	314HXETB	208V, SINGLE PHASE, 5400W			
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HANT PARTR 9 * 9203 Hard CRN PRESER MAY A 47 EX CARR ** CORR LOG 2003 SEE (F24.3 MULL SUCR MAC M.1 P2A IF-9-He-4-COX ANUALL TREED BEERS 1 COMPEND SUK J.0 R F003 LIS F-12180 I/// 25 & 4 H. J. CRN MAL			ITCB				
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NUMER SERVE TABLE DEL PEQ PE-64-4-05* AURULASIST REACLE 1 COMMUNATY FAIX JOIN MODES ETS 18-125/5 1/1278 & MM, Y DMM NOT USED 7/5 SK, MORK TABLE DOL F TEXTS 28				THRU CASH REGISTER			
I. CARNATIONAL SINC JUNE NO. PUT SEE V/2'TA & M, Y, Z'TA M, M, Z'TANA, PUT SEE 1. CARNATIONAL SINC BOLE 1337233 50' SS, WORK TOLE IAUL 1339468 50' SS, WORK TOLE IAUL 1339468 50' SS, WORK TOLE IAUL 1339468 51' SS, WORK TOLE IAUL 1339468 51' SS, WORK TOLE IAUL 1339468 51' SS, WORK TOLE IAUL 1439448 (1921) 64' SS, WORK TOLE IAUL 10000 IAUK 10000 IAUK 10000 IAUK 10000 IAUK 10000 IAUK 10000 IAUK 10000 64' SS, WORK TOLE IBU 10000 IAUK 10000 IAUK 100000 IAUK 10000 IAUK 100000 IAUK 100000							
2* S.S. WORK RABLE DERIE TWO PARS 96* S.S. WORK RABLE IRAC1 IXX8408 24* 4.6* WRC SHCAND BAJ IXX8407 SHCES 24* 4.6* WRC SHCAND BAJ IXX8407 SHCES 24* 4.6* WRC SHCAND BAJ IXX8407 SHCES MRT INSTER 24* 4.6* WRC SHCAND BAJ IXX8407 SHCES MRT INSTER 24* 4.6* WRC SHCAND BAJ IXX8407 SHCES MRT INSTER 24* 5.6 WRC INSTER PADORE CALSS DOR DOLEB OCKRE WH WRCOR MRT INSTER 24 SLA WRC INTALE PADORE CHAST DOR DOLES DOLESE 24 SLA WRC INTALE PADORE CHAST DOR DOLES DOLESE 24 SLA WRC INTALE PADORE CHAST DOLESE PADORE 24 SLA WRC INTALE PADORE CHAST DOLESE PADORE 24 SLA WRC INTALE PAY SHCRE CHAST PADORE							
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X* IF OF ME STLVMU LM* LGP24 (KSTS) Lm* Lm* 00.00168 B0TLL CORE COOLER MVMCUGA PV MEDGR Q-ASS DOR COOLER COORD WTH MEDGR NVT USD 46" S.S. MGS THAT MVMCUGA TEG COORD WTH MEDGR 3 COMMARCES MVMCUGA TEG 3 COMMARCES BY MEDGR MENU BORGD BY MEDGR DARR ERSTR BY MEDGR DARR ERSTR BY MEDGR DARR ERSTR BY MEDGR DARR ERSTR BY MEDGR DARR ERSTR BY MEDGR SET PLUMEND DARMOS 6	24" x 42" WIRE SHELVING	B&J	LGP74 (POSTS)		NOT USED		
Addit SS. KARK MALE ADVACE LACO MS SCRIDS TOGASSB International content of the stress of the stres stress of the stress of the stress of the stress of t	24" x 60" WIRE SHELVING	B&J					
International International International GRUEL INP TB0 180 7 3 COMPARITY SINK John Bods LISS-1824-14-124 1//2/0K & H0, 3' GRUNN 7 MINU RORDS DY YONOR CASH REASTR BY YONOR DARA BY YONOR SEE PLANENDE CRANDER 6 DE WARE SEE PLANENDE CRANDER MORE FARE SEE PLANENDE CRANDER DE WARE SEE PLANENDE CRANDER DE WARE MAR AND PLANE ADA NERS PENESA 1/2 COM FARENESE STOLE MARK AND PLANE PANESONE	COUNTER BOTTLE COKE COOLER	BY VENDOR	GLASS DOOR COOLER	COORD. WITH VENDOR	NOT USED		
Control Control Control 3 COMPANIENT SINK CONN BOOS E358-1824-14-124 1/2"CR & HR, 5" DRAN 7 MENU BORDS BY VENOR CASH REDISTR BY VENOR CODED, MIT VENDOR 24X30 FRUE BY VENOR CMR BY VENOR CMR BY VENOR UNTS BY VENOR BATER FEATR SEE PLIMENRO DRAMMOS BATER FEATR SEE PLIMENRO DRAMMOS SEE PLIMENRO DRAMMOS BATER FEATR SEE PLIMENRO DRAMMOS BATER FEATR SEE PLIMENRO DRAMMOS BATER FEATR SEE PLIMENRO DRAMMOS BATER FEATR GEE RAMER HOSHEXW SEE PLIMENRO BRA </td <td>48" S.S. WORK TABLE</td> <td>ADVANCE TABCO MS SERIES</td> <td>T3048SB</td> <td></td> <td></td>	48" S.S. WORK TABLE	ADVANCE TABCO MS SERIES	T3048SB				
NENU BONDOS Def VENDOR CASH REDISTER BY VENDOR CODRD. WILL VENDOR 24020 DRLE BY VENDOR CODRD. WILL VENDOR 24020 DRLE BY VENDOR CASH REDISTER BY VENDOR CAMR BY VENDOR KARER HATER SEE FULMENG DRAMINGS SEE FULMENG BRAMINGS 6 LOS MARER HOGHZAH KAR-901MAH '28/23/07/MAR.160.0 MEDISK AND FULMER GEE FULMENG BRAMINGS MEDISK AND FULMER LUMIN BOOS '99K-'9-110'-P-SER 1/2'' CW & HM, 2'' DRAM DEDISE DE FORMENT CACCO O'-003 120/17.2.0.1/2.000/MEMA-13P CODIE CVEN CACCO O'-003 120/17.2.0.1/2.000/MEMA-13P DEDISE DE FORMENT BY VENDOR 2, 3, 4; 5 CODIE DATE PY VENDO	GREASE TRAP	TBD	TBD		7		
CASH REGISTER BY VENDOR COORD. WITH VENDOR 24X30 DRAE BY VENDOR DIAR BY VENDOR UNR BY VENDOR WATER HALLER SEE PLUMBING DRAWINGS SEE PLUMBING DRAWINGS 6 ICE MARER HOSHIZAKI KM-901WAH 208/223/60/1402A16.0. WATER HALLER SEE PLUMBING DRAWINGS WATER HALLER SEE PLUMBING DRAWINGS 1/22' GW & W.W.Y.2' DRAWING WATER HALLER OADOO 0Y-003 1707/12.X.1507/MEMS-15P COORE DVEND GADOO 0Y-003 1707/12.X.1507/MEMS-15P COORE DVEND GADOO STRUP RACK AND PUMP BY VENDOR GOORE DVEND BY VENDOR <	3 COMPARTMENT SINK	JOHN BOOS	E3S8-1824-14-T24	1/2"CW & HW, 3" DRAIN	7		
24X00 TROLE BY VENDOR DHAR BY VENDOR DHAR BY VENDOR TEA URNS BY VENDOR WATER HEATER SEE PLUMEING DRAWINGS SEE PLUMEING DRAWINGS 6 ICE MARER HOSHZAH KM-901WAH 208/230/80/10CA16.0 WATER HEATER SEE PLUMEING DRAWINGS BY VENDOR SEE PLUMEING DRAWINGS NOT SUE AND FAUCET JOHN SOGS PB+GH-1410-P-SSLR 1/2" CW & HW, 2" DRAWIN SURL PLACK AND PLAKER BY VENDOR 3, 4, 12 CODE BOTLE BY VENDOR 2, 3, & 5 COLP DEFINISER SIN JAMAR C2410C MORDWARE PANOSONC NE1022 115060Hz, 1 PMSSE MORDWARE PANOSONC NE1022 1155A, MEAK 5-15P	MENU BOARDS	BY VENDOR					
CHAR BY VENOR TEA URNS BY VENOR WARE HARER SEE PUMBING DRAWINGS SEE PUMBING DRAWINGS 6 NORTH HARER SEE PUMBING DRAWINGS SEE PUMBING DRAWINGS 6 NORTH MY STRUCH GURND HOSHIZARI MAL-901MM 2007/200/60/1406.15.0 6 NORT MY STRUCH GURND JOHN BOOS PBHS-#-1410-P-SSUR 1/2* CM & HM, 2* DMAN SOME OVEN JOHN BOOS PBHS-#-1410-P-SSUR 1/2* CM & HM, 2* DMAN SOME OVEN CADOC OV-003 1201/12.5A.1500M.MEMS-15P SOME OVEN BY VENOR 2, 3, 4.5 CUP DOSTREER BY VENOR MOBLE CHP RACK BW VENOR NE 1022 1150-MINESE MOBLE CHP RACK BBJ PEERESS 3-TIER VERFY W/ FRAWINEE SEE ALIEBANTE TRASH RECEPTICLES BY VENOR	CASH REGISTER	BY VENDOR		COORD. WITH VENDOR			
TEA URNS BY VENOR WATER HEATER SEE PLUMBING DRAININGS SEE PLUMBING DRAININGS 6 UCE MARER SEE PLUMBING DRAININGS SEE PLUMBING DRAININGS 6 UCE MARER HOSHIZAG KXA-901MAH 208/723/66/140A160 USE MAY DE SUBLEN CURPD JOHN BOOS PBHS-#-1410-P-SSLR 1/2" Or & HX_2" DRAIN STRUP RACK AND PUMP DPM VENDOR 3, 4, 12 COCORE OVEN CACCO OV-003 120/12:A15000/NEMG-15P STRUP RACK AND PUMP DPM VENDOR 2, 3, & 5 CUP OSPENSER (CVEN SEE TISAL) SAN JAMAR C2410C MORDIE OHP RACK BY VENOR SOC24660 MICROWAVE PAMASONC NE1022 155/-04/16/16/16/16/16/16/16/16/16/16/16/16/16/	24X30 TABLE	BY VENDOR					
WATER HEATER SEE PLUMBING DRAININGS SEE PLUMBING DRAININGS ICE MAKER HOSHIZAKI KM-901MAH 2007/230/60/1MCA16.0 VERRY W/ PLUMBING REQ. AND SINK W/ SPLASH GUARD EACH SIE AND FAUCET JOHN BOOS PBHS-W-1410-P-SSLR 1/2" CW & HW, 2" ORAN COOKE OVEN CADOO OV-003 120V,12.5A,1500M,MEMS-15P STRUP RACK AND PUMP BY VENDOR 2, 3, & 5 CUP DEPUSTR (ONE SZE FTIS ALL) SAN JAMAR C2410C MOBILE CHIP RACK BK VENDOR 30024X60 MOREWARE PANSONIC NE1022 115V-66H, 1, PMASE, MICROWARE PANSONIC NE1022 115V-66H, 1, PMASE, HOT SALLE RACK B&J PERTLESS 3-TER VERRY W/ FRANCHSEE SEE ALTERNATE TRASH RECEPTACLES B&J 12" X 26" PRIVER SHELF BY VENDOR 15 SEE ALTERNATE 12" X 26" PRIVER SHELKS<	CHAIR	BY VENDOR					
International Case International Case International Case International Case INCE MAKER HOSHIZAKI KM-901MAH VZRPY W/ PLUBAINC REQ. NID SINK W/ SPLICH GUARD JOHN BOOS PBHS-W-1410-P-SSLR 1/2" CW & HW, 2" DRAIN COORE OVEN CADCO 0V-003 120V,12.5A,15000/,KMM5-15P STRUP RACK AND PUWP BY VENDOR 3, 4, 12 CO2 BOTTLE BY VENDOR 2, 3, & 5 (ONE SDET ITS ALL) SAN JAMAR C2410C MOBILE CHIP RACK BY VENDOR 30024X60 MOBILE CHIP RACK BY VENDOR 30224X60 MOBILE CHIP RACK BY VENDOR 30224X60 MICROWAVE PAMSONIC NE1022 115V-BOHz, 1 PMASE, MICROWAVE B&J MICROWAVE B&J MICRO	TEA URNS	BY VENDOR					
Inclusion Inclusion <thinclusion< th=""> Inclusion <thinclusion< th=""> Inclusion <thinclusion< th=""> Inclusion I</thinclusion<></thinclusion<></thinclusion<>	WATER HEATER	SEE PLUMBING DRAWINGS		SEE PLUMBING DRAWINGS	6		
NND SINK VY SPLASH CLAND JOHN BOOS PBHS-W-1410-P-SSLR 1/2" CW & HW. 2" DRAIN COOKE CVEN CADCO O'-003 120/12.5A,1500W,NEMS-15P SYRUP ROCK AND PUMP BY VENDOR 3, 4, 12 COUR SUBLE AND FAUCET BY VENDOR 2, 3, & 5 CUP DISPERSIR (ONE SIZE FITS ALL) SAN JAMAR C2410C MOBILE CHIP RACK BY VENDOR 30024860 MORER CHIP RACK BY VENDOR 30024860 MICROWAVE PANASONC NE1022 115V-EDIL; PHASE MICROWAVE PANASONC NE1022 115V-EDIL; PHASE SEE ALTEMATE TRASH RECEPTACLES BY VENDOR AME SAUE FACK B&J PEERESS 3-TIER VERITY W/ FRANCHISEE SEE ALTEMATE TRASH RECEPTACLES BY VENDOR St DEP MALL MOLNTED SHELVES ADMANCE TABCO 15 St 2 Y 2 S	ICE MAKER	HOSHIZAKI	KM-901MAH				
COOKIE OVEN CADCO OV-003 120V;12:54,1500W,HEMA5-15P SYRUP RACK AND PUMP BY VENDOR 3, 4, 12 3, 4, 12 C02 BOTILE BY VENDOR 2, 3, & 5 2, 3, & 5 CUP BOFNSER (ONE SIZE FITS ALL) SAN JAMAR C2410C MOBILE CHP RACK BY VENDOR 30X24X60 MOREWARE PANASONIC NE1022 1150/4, 60Hz, 1 PMASE, 15.0A, NDMA 5-159* HOT SAUCE RACK B&J PEERLESS 3-TIER VERFY W/ FRANCHISEE 10, 11 HOT SAUCE RACK B&J PEERLESS 3-TIER VERFY W/ FRANCHISEE 10, 11 BAR STOOLS B&J BAR STOOLS B&J RED BAR STOOL FRAME NOT USED 12" X 26" PRINTER SHELF BY GENERAL CONTRACTOR 115 6" DEEP WALL MOUNTED SHELVES ADVANCE TABCO MS SERIES TJOAGST		JOHN BOOS	PBHS-W-1410-P-SSLR				
CO2 BOTTLE BY VENDOR 2, 3, & 5 CUP DISPENSER (ONE SZENTS ALL) SAN JAMAR C2410C MOBLE CHP RACK BY VENDOR J0X24X60 MOBLE CHP RACK BY VENDOR J0X24X60 MOROWAVE PAINSONIC NE1022 115V-60Hz, 1 PHASE, 15.04, NEMA 5-15P HOT SAUCE RACK B&J PEERLESS 3-TIER VERIPY W/ FRANCHSEE \$10, 11 SEE ALTERNATE TRASH RECEPTACLES BY VENDOR BAR STOOLS B&J RED BAR STOOL FRAME NOT USED 12" X 26" PRINTER SHELF BY GENERAL CONTRACTOR GREEN EPOXY COATED 14 ICE & WATER DISPENSER ADVANCE TABCO GREEN EPOXY COATED 14 ICE & WATER DISPENSER HOSHIZAKI DM-200B 115V/60Hz/1PH 84" S.S. WORK TABLE ADVANCE TABCO MS SERIES TJ30605B 60" S.S. WORK TABLE ADVANCE TABCO MS SERIES TJ30605B 64" S.S WORK TABLE ADVANCE TABCO MS SERIES		CADCO	OV-003	120V,12.5A,1500W,NEMA5-15P			
OUP DISPENSER (ONE SIZE FITS ALL)SAN JAMARC2410CMOBILE CHIP RACKBY VENDOR30X24X60MICROWAVEPANASONICNE 1022115V-60Hz, 1 PHASE, 15.0A, NEMA 5-15PHOT SAUCE RACKB&J PEERLESS3-TIERVERIFY W/ FRANCHISEE10, 11 SEE ALTERNATETRASH RECEPTACLESBY VENDOR24X4B TABLE (H.C. ACCESSIBLE)BY VENDORRED BAR STOOL, FRAMENOT USED12" X 26" PRINTER SHELFBY GENERAL CONTRACTORGREEN EPDXY COATED14ICE & WATER DISPENSERADVANCE TABCOGREEN EPDXY COATED14ICE & WATER DISPENSERHOSHIZAKIDM-200B3/36" COLD WATER84" S.S. WORK TABLEADVANCE TABCO MS SERIEST3060SB24" X 36" WIRE SHELIVINGB&JLGS2436 (SHELF)NOT USED3 000R REACH-IN COOLER/B&JLGS2436 (SHELF)14" x 36" WIRE SHELIVINGB&JLGS2436 (SHELF)NOT USED3 000R REACH-IN COOLERTRUET-72115V-60Hz, 1 PHASE, 9.6A, 1/2 HP, MEMA 5-15NOT USED3 000R REACH-IN COOLERTRUET-72115V-60Hz, 1 PHASE, 9.6A, 1/2 HP, MEMA 5-15NOT USEDD DRYER W/ SPECIAL IMAGE COVEREXCELXL-S1 XLERATOR1500 WATES-SEE MFG. SPEC. SHEETS	SYRUP RACK AND PUMP	BY VENDOR			3, 4, 12		
(ONE SIZE FITS ALL)ControlControlMOBLE CHIP RACKBY VENDOR30X24X60MICROWAVEPANASONICNE1022115V-60Hz, 1 PHASE, 150A, NEIAA 5-15PHOT SAUCE RACKB&J PEERLESS3-TIERVERIFY W/ FRANCHISEESEE ALTERNATETRASH RECEPTACLESBY VENDOR24X48 TABLE (H.C. ACCESSIBLE)BY VENDORRED BAR STOOLSNOT USED12" X 26" PRINTER SHELFBY GENERAL CONTRACTORGREEN EPOXY COATED141CE & WATER DISPENSERHOSHIZAKIDM-200B115V/60Hz/1PH 3/8" COLD WATER84" S.S. WORK TABLEADVANCE TABCO MS SERIEST3084SB60" S.S. WORK TABLEADVANCE TABCO MS SERIEST3084SB24" x 36" WIRE SHELVINGB&JLCS2436 (SHELF) LOP74 (POSTS)NOT USED14" x 36" WIRE SHELVINGB&JLCS1436 (SHELF) LOP74 (POSTS)NOT USED14" x 36" WIRE SHELVINGB&JLCS1436 (SHELF) LOP74 (POSTS)NOT USED14" x 36" WIRE SHELVINGB&JLCS1436 (SHELF) LOP74 (POSTS)NOT USEDNOT USED3 DOOR REACH-IN COOLERTRUET-22115V-60Hz, 1 PHASE, 9,6A, 1/2 HP, NEMA 5-15NOT USEDNOT USED3 DOOR REACH-IN COULERTRUET-22115V-60Hz, 1 PHASE, 9,6A, 1/2 HP, NEMA 5-15NOT USEDNOT USED<	CO2 BOTTLE	BY VENDOR			2, 3, & 5		
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MICROWAVE PANASONIC NE 1022 115V-60Hz, 1 PHASE, 15.0A, NEMA 5-15P HOT SAUCE RACK B&J PEERLESS 3-TER VERIFY W/ FRANCHISEE SEE ALTERNATE TRASH RECEPTACLES BY VENDOR 24X48 TABLE (H.C. ACCESSIBLE) BY VENDOR RED BAR STOOL FRAME NOT USED 12* X 26" PRINTER SHELF BY CENERAL CONTRACTOR RED BAR STOOL FRAME NOT USED 12* X 26" PRINTER SHELF BY GENERAL CONTRACTOR GREEN EPOXY COATED 14 12* X 26" PRINTER SHELF BY GENERAL CONTRACTOR GREEN EPOXY COATED 14 10E & WATER DISPENSER ADVANCE TABCO GREEN EPOXY COATED 14 10E & WATER DISPENSER HOSHIZAKI DM-200B 115V/60Hz/1PH 8" DEEP WALL MOUNTED SHELVES ADVANCE TABCO MS SERIES T3064SB 60* S.S. WORK TABLE ADVANCE TABCO MS SERIES T3060SB 24* x 36" WIRE SHELVING B&J LGS2436 (SHELF) LGP74 (POSTS) NOT USED 3 DOOR REACH-IN COOLER TRUE T-72 115V-60Hz, 1 PHASE, 9.6A, 1/2 / H, NEMA 5-15 NOT USED 3 DOOR REACH-IN COOLER TRUE T-72 115V-60Hz, 1 PHASE, 9.6A, 1/2 / H,	· · · ·	BY VENDOR	30X24X60				
HOT SAUCE RACKB&J PEERLESS3-TIERVERIFY W/ FRANCHSEE10, 11 SEE ALTERNATETRASH RECEPTACLESBY VENDOR24X48 TABLE (H.C. ACCESSIBLE)BY VENDORRED BAR STOOL FRAMENOT USED12" X 26" PRINTER SHELFBY GENERAL CONTRACTORRED BAR STOOL FRAMENOT USED12" X 26" PRINTER SHELFBY GENERAL CONTRACTORGREEN EPOXY COATED1410C & WATER DISPENSERADVANCE TABCOGREEN EPOXY COATED141CE & WATER DISPENSERHOSHIZAKIDM-200B11/5V/60Hz/1PH 3/8" COLD WATER84" S.S. WORK TABLEADVANCE TABCO MS SERIEST3084SB60" S.S. WORK TABLEADVANCE TABCO MS SERIEST3060SB24" x 36" WIRE SHELVINGB&JLGS2436 (SHELF) LGP74 (POSTS)NOT USED14" x 36" WIRE SHELVINGB&JLGS1436 (SHELF) LGP74 (POSTS)NOT USED3 DOOR REACH-IN COOLERTRUET-7211/5V-60Hz, 1 PHASE, 9,6A, 1/2 HP, NEMA 5-15NOT USED3 DOOR REACH-IN COOLERTRUET-7211/5V-60Hz, 1 PHASE, 9,6A, 1/2 HP, NEMA 5-15NOT USEDD DYER W/ SPECIAL IMAGE COVEREXCELXL-S1 XLERATOR1500 WATTS-SEE MFG. SHEETS	MICROWAVE	PANASONIC	NE1022	115V-60Hz, 1 PHASE,			
TRASH RECEPTACLESBY VENDORSEE ALLEMARETRASH RECEPTACLESBY VENDOR24X48 TABLE (H.C. ACCESSIBLE)BY VENDORRED BAR STOOL FRAMENOT USEDBAR STOOLSB&JRED BAR STOOL FRAMENOT USED12" X 26" PRINTER SHELFBY GENERAL CONTRACTOR158" DEEP WALL MOUNTED SHELVESADVANCE TABCOGREEN EPOXY COATED14ICE & WATER DISPENSERHOSHIZAKIDM-200B115V/60Hz/1PH 3/8" COLD WATER84" S.S. WORK TABLEADVANCE TABCO MS SERIEST3064SB60" S.S. WORK TABLEADVANCE TABCO MS SERIEST3060SB24" x 36" WIRE SHELVINGB&JLGS2436 (SHELF) LGP74 (POSTS)NOT USEDVALK-IN COOLER/ FREEZERBY VENDOR14" x 36" WIRE SHELVINGB&JLGS1436 (SHELF) LGP74 (POSTS)NOT USED3 DOOR REACH-IN COOLERTRUET-72115V-60Hz, 1 PHASE, 9.6A, NOT USEDNOT USEDD DRYER W/ SPECIAL IMAGE COVEREXCELXL-S1 XLERATOR1500 WATES-SEE MFG. SPEC. SHEETS							
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If X x 36 WIRE SHELVING Door LGP74 (posts) Len Not osed 3 DOOR REACH-IN COOLER TRUE T-72 115V-60Hz, 1 PHASE, 9.6A, 1/2 HP, NEMA 5-15 NOT USED ID DRYER W/ SPECIAL IMAGE COVER EXCEL XL-S1 XLERATOR 1500 WATTS-SEE MFG. SPEC. SHEETS	24" x 36" WIRE SHELVING	i l					
Indext Indext Indext Indext Indext Indext ID DRYER W/ SPECIAL IMAGE COVER EXCEL XL-S1 XLERATOR 1500 WATTS-SEE MFG. SPEC. SHEETS		BY VENDOR					
	WALK-IN COOLER/ FREEZER				NOT USED		
CARBON MONOXIDE SENSOR PROVIDE BY GENERAL CONTRACTOR C0910 SEE RCP FOR MORE INF	WALK-IN COOLER/ FREEZER 14" x 36" WIRE SHELVING	B&J	LGP74 (POSTS)	115V–60Hz, 1 PHASE, 9.6A,			
	WALK-IN COOLER/ FREEZER 14" x 36" WIRE SHELVING 3 DOOR REACH-IN COOLER	B&J TRUE	LGP74 (POSTS) T-72	115V-60Hz, 1 PHASE, 9.6A, 1/2 HP, NEMA 5-15	NOT USED		
27" REF. SANDWICH UNIT TRUE FOOD SERVICE TSSU-27-18MB 115V-60Hz, 1 PHASE, 4.9A,	WALK-IN COOLER/ FREEZER 14" x 36" WIRE SHELVING 3 DOOR REACH-IN COOLER ID DRYER W/ SPECIAL IMAGE COVER	B&J TRUE EXCEL	LGP74 (ÞOSTS) T-72 XL-S1 XLERATOR	115V-60Hz, 1 PHASE, 9.6A, 1/2 HP, NEMA 5-15 1500 WATTS-SEE MFG. SPEC. SHEETS	NOT USED		
		B&J	LGP74 (POSTS)				

ALL ROUGH-IN'S SHOWN AT WALL LOCATIONS ARE TO BE LOCATED WITHIN INTERIOR OF WALL. COORDINATE WITH ARCHITECTURAL PLANS FOR ADDITIONAL FLOOR PLAN. BUILDING ELECTRICAL REQUIREMENTS.



CURRAN ARCHITECTURE 5719 LAWTON LOOP E. DR. #212

INDIANAPOLIS, IN 46216 O :: 317.288.0681 F :: 317.288.0753

P.E., P.Eng.	Cloud Circle Colorado 80126 Dm
A PRIEST P.	242 Mountain C Highlands Ranch, Ca Email: arwin@pedenver.com Phi (303) 898-2664
ARWIN	Highlar Fmail: at 20140 Fhi at 30

PRELIMINARY NOT FOR CONSTRUCTION

CERTIFICATION

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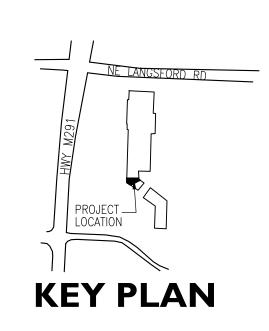


FIREHOUSE SUBS III SE M29I HWY STE. 100 LEES SUMMIT, MO 64081

ISSUE DATES

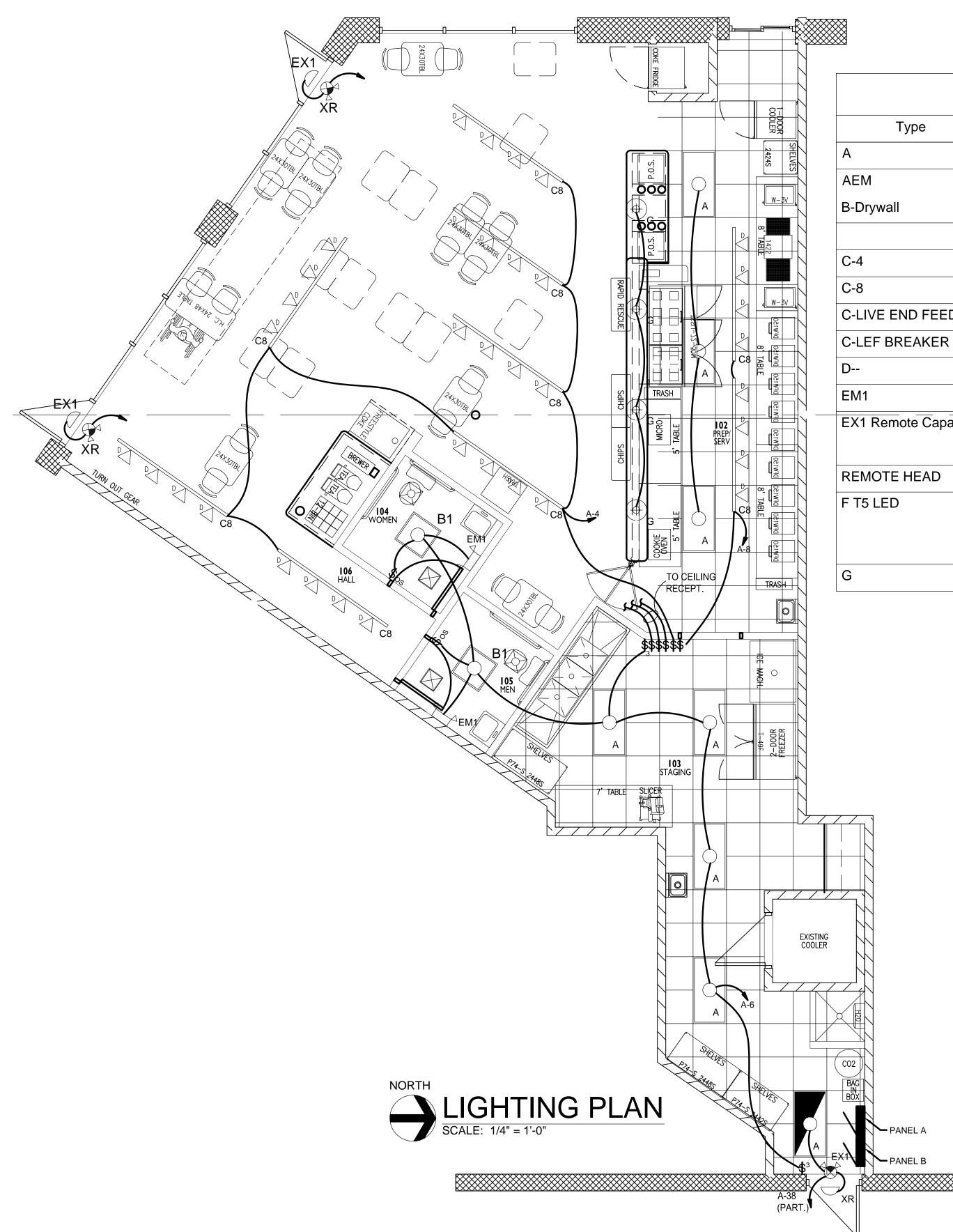
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DATE



A

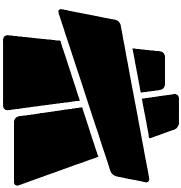


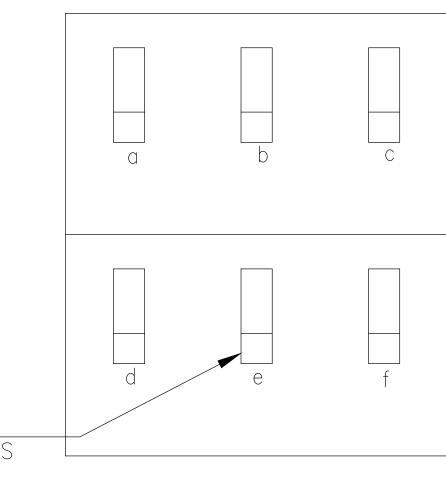


LIGHTING PACKAGE FOR FIRE HOUSE SUBS

Туре	MFR	MFR PART#	DESCRIPTION
A	ABL-Lithonia Lighting	EPANL 24 40L 40K	Lithonia 4350 Lumens 2X4 Flat Panel LED 40K
AEM B-Drywall	ABL-Lithonia Lighting	EPANL 24 40L 40K	Lithonia 4350 Lumens 2X4 Flat Panel LED 40K w/ EM external inverter
	ABL-Lithonia Lighting	EPANL 22 40L 40K DGA22	Lithonia 3500 Lumens 2X2 Flat Panel LED 40K
C-4	Juno	R4BL	Black 4 FT ALPHA TRACK SECTION JUNO
C-8	Juno	R8BL	Black 8 FT ALPHA TRACK SECTION JUNO
C-LIVE END FEED	Juno	RCLF11BL	LIVE END FEED JUNO
C-LEF BREAKER	Juno	TCL2BL	TRACK CIRCUIT BREAKER JUNO
D	Juno	R512B-BL	Black Track Head w/ PAR30FL10/B/940/LED
EM1	Progress Lighting	PE012-30	EMER Dual Head fixture Battery Backup ALL EM LIGHTS
EX1 Remote Capable	Progress Lighting	PECUE-UR30-RC	EXIT/EMERGENCY LIGHT COMBO w/ REMOTE SINGLE HEAD CAP
REMOTE HEAD	Progress Lighting	PERHC-SG-OD-30	SINGLE REMOTE OUTDOOR EMERGENCY HEAD
F T5 LED	Select Lighting	HBA454M23MV WG	High Bay High Bay, 4L T5HO, MV MFR:Select Lighting With Wire Guard supplied with 4 T5 LED Lamps, Maxlite L27T5DF440-CG 27 watts ea 96 watts total
G	Seagull Lighting	651991S-21	Red Pendant Light LED

20A SPST_____ (6) DIMMERS SWITCHES





SWITCH ELEVATION



CERTIFICATION



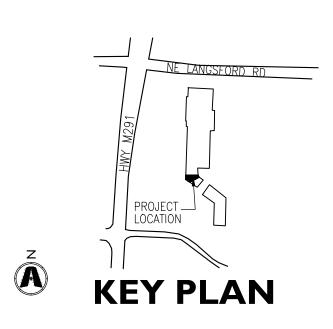


FIREHOUSE SUBS 111 SE M291 HWY STE. 100 LEES SUMMIT, MO 64081

ISSUE DATES

ISSUE

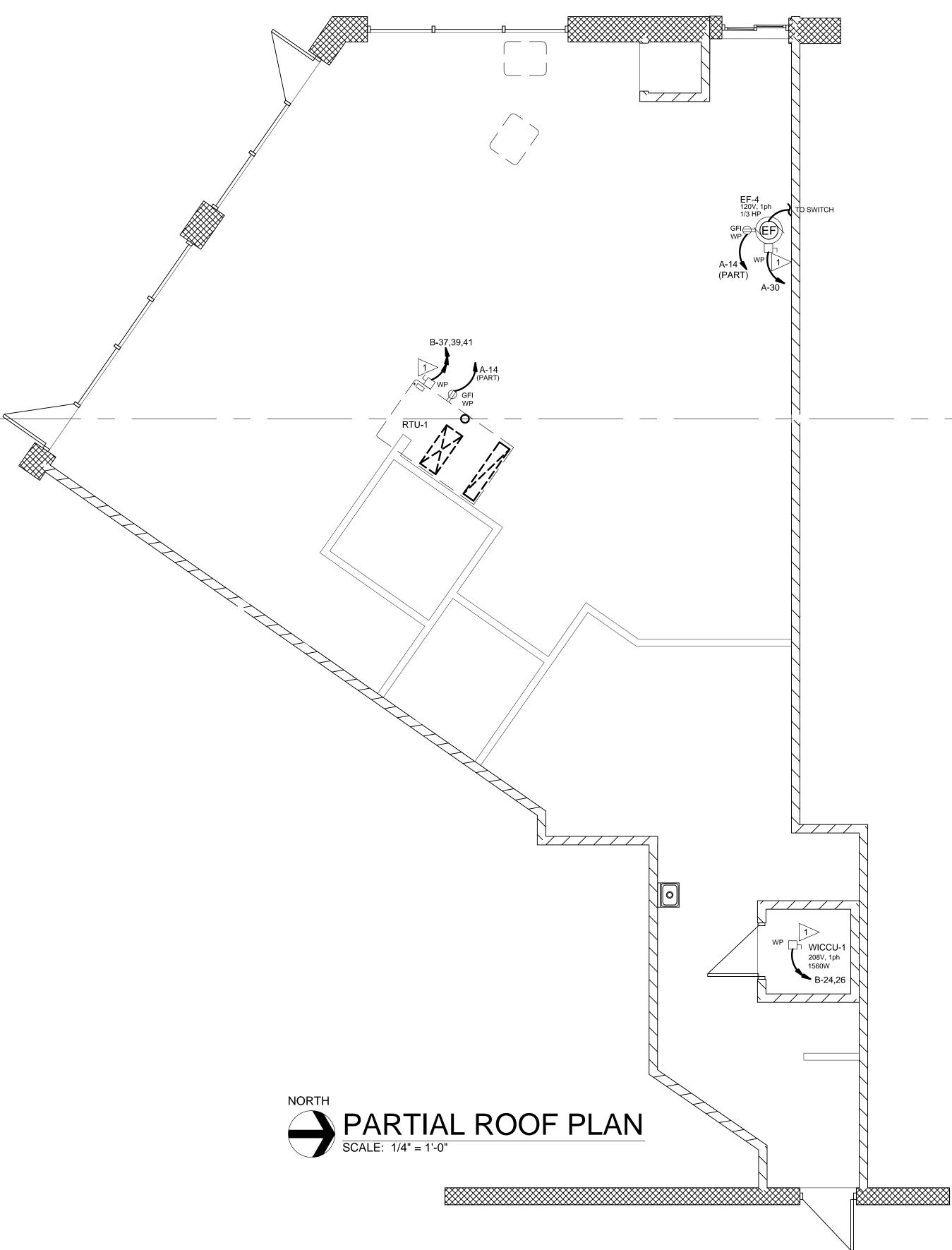
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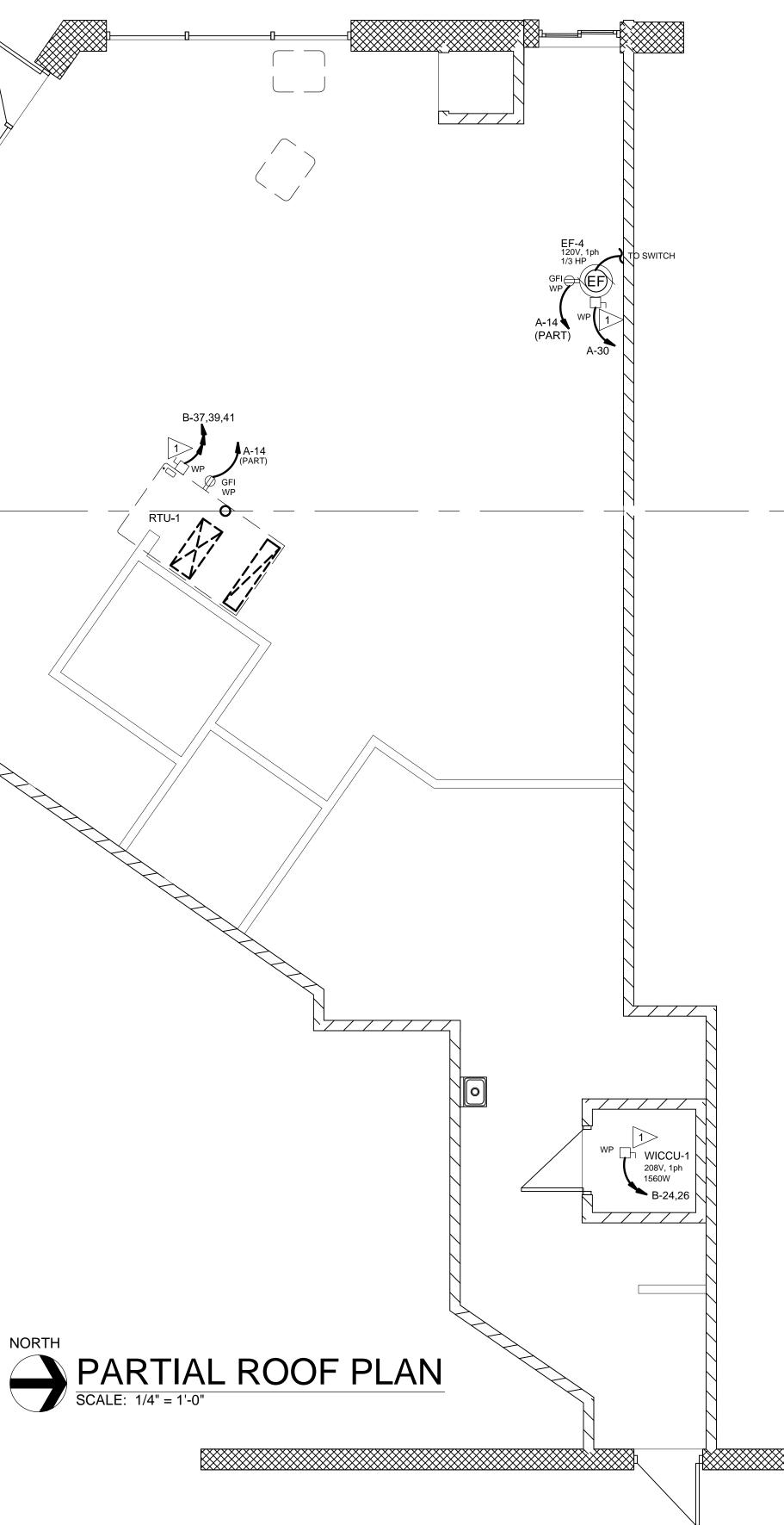


PROJECT NUMBER:

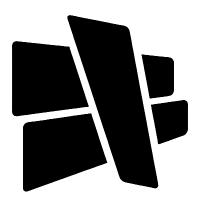
E1.1

						IV			UPWENT SCHED	ULE				
DESIGNATION	DESCRIPTION	QUAN	VOLT	PH	FLA	MCA	HP	KVA	CONDUCTORS	CONDUIT	SW	СВ	FUSE SIZE/TYPE	REMARKS
RTU-1	ROOF TOP UNIT	1	208	3		65.0			3#6,#10 GND (CU)	3/4"	60/3	80/3	80 AMP	
EF-1	EXHAUST FAN	1	120	1				0.01	2-#12,#12 GND (CU)	1/2"		20/1		INTERLOCAK FAN WITH ROOM LIGHT SWITCH
EF-2	EXHAUST FAN	1	120	1				0.01	2-#12,#12 GND (CU)	1/2"		20/1		INTERLOCAK FAN WITH ROOM LIGHT SWITCH
EF-3	EXHAUST FAN	1	120	1				0.01	2-#12,#12 GND (CU)	1/2"		20/1		INTERLOCAK FAN WITH ROOM LIGHT SWITCH
EF-4	EXHAUST FAN	1	120	1	7.2		1/3		2-#12,#12 GND (CU)	1/2"	STO	20/1		INTERLOCAK FAN WITH ROOM LIGHT SWITCH





MECHANICAL EQUIPMENT SCHEDULE





INDIANAPOLIS, IN 46216 O :: 317.288.0681 F :: 317.288.0753

ZWIN PRIEST P.E., P.Eng.	242 Mountain Cloud Circle Highlands Ranch, Colorado 80126 Email: arwin@pedenver.com ph: (303) 898-2664
ARW MECHANIC	И Т Т П С П С П С П С П С П С П С П С П С

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FIREHOUSE SUBS III SE M29I HWY STE. 100 LEES SUMMIT, MO 64081

	ISSUE DATES	
ISSUE		DATE

I CANGSFORD RD
KEY PLAN

A



THE SUB-CONTRACTOR SHALL VISIT THE JOB SITE AND BECOME FAMILIARIZED WITH ALL REQUIREMENTS OF THE CONTRACT PRIOR TO SUBMISSION OF BID. THE SUB-CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY CONFLICTS PRIOR TO BID OR START OF INSTALLATION.

THE SUB-CONTRACTOR SHALL ARRANGE FOR ALL INSPECTIONS WHEN THEY BECOME DUE, AND SHALL NOT COVER ANY WORK UNTIL APPROVED BY THE INSPECTION AUTHORITY.

ANY AND ALL FEES ASSOCIATED WITH THE ELECTRICAL WORK, INCLUDING CONSTRUCTION AND INSPECTIONS SHALL BE PAID FOR BY THE SUB-CONTRACTOR IN ORDER TO DELIVER A COMPLETE AND FINISHED BUILDING, READY FOR OCCUPANCY AND 100% USAGE.

THE SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT THE SUB-CONTRACTOR HAS FAMILIARIZED HIMSELF/HERSELF WITH THE PLANS AND BUILDING SITE. CLAIMS MADE SUBSEQUENT TO THE PROPOSAL FOR MATERIALS AND LABOR BECAUSE OF DIFFICULTIES ENCOUNTERED, WILL NOT BE RECOGNIZED IF THEY COULD HAVE BEEN FORESEEN HAD PROPER EXAMINATION BEEN MADE.

ANY COSTS DUE TO THE LACK OF COOPERATION AMONG TRADES SHALL BE BORNE BY THE SUB-CONTRACTOR.

THE INFORMATION PRESENTED ON THESE DRAWINGS IS DIAGRAMMATIC IN NATURE. IT DOES INDICATE THE GENERAL DESIGN AND ARRANGE-MENT OF CIRCUITS, OUTLETS, EQUIPMENT, SYSTEMS, ETC. PROVIDE ALL MATERIALS AND LABOR FOR COMPLETELY FINISHED AND OPERA-TIONAL SYSTEMS. EXACT ROUTING MAY VARY AND MAY REQUIRE ADDITIONAL J-BOXES/PULL-BOXES AND/OR SPECIAL FITTINGS.

REFER TO LATEST ARCHITECTURAL DRAWINGS FOR: EXACT WALL LOCATIONS, DIMENSIONS, AND CONFIGURATIONS, DOOR SWINGS FOR SWITCH LOCATION VERIFICATION, REFLECTED CEILING PLANS FOR VERIFICATION OF LIGHT FIXTURE LOCATIONS.

ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL ELECTRICAL EQUIPMENT LOADS PRIOR TO ROUGH-IN AND SHALL NOTIFY ENGINEER IF ANY DISCREPANCIES EXIST.

ALL EQUIPMENT SHALL BE NEW AND SHALL HAVE APPROPRIATE UNDERWRITERS LABORATORIES, INC. (U.L.) LABEL AND SHALL CONFORM TO LATEST INDUSTRY STANDARDS.

ELECTRICAL CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL EQUIPMENT INCLUDING: LIGHT FIXTURES, ELECTRICAL APPARATUS, WIRING DEVICES, ETC. FOR REVIEW/APPROVAL (5) DAYS PRIOR TO BID. EQUIPMENT IS NOT TO BE ORDERED WITHOUT SUBMITTAL TO ARCHITECT/OWNER/ENGINEER.

ELECTRICAL CONTRACTOR SHALL MAINTAIN ALL WORKING CLEAR-ANCES FOR ALL ELECTRICAL EQUIPMENT PER N.E.C. REQUIREMENTS.

ALL WORK SHALL COMPLY WITH LATEST EDITION OF NATIONAL ELECTRICAL CODE (N.E.C.) AND ALL LOCAL AND STATE BUILDING CODES AND ADOPTED ORDINANCES, AND REQUIREMENTS OF THE UTILITY COMPANY.

ALL DISCONNECT SWITCHES SHALL BE HEAVY DUTY WITH DUAL ELEMENT TIME DELAY FUSES AS NOTED ON THE ONE LINE DIAGRAM. ENCLOSURE AND FUSE SIZE AS SHOWN OR AS REQUIRED TO MATCH INSTALLATION LOCATION AND LOAD CONDITIONS.

AT THE COMPLETION OF THE WORK, THE ELECTRICAL CONTRACTOR SHALL PROVIDE COMPLETE, ACCURATE, TYPED PANEL DIRECTORIES.

REFER TO MECHANICAL DRAWINGS FOR LOCATION OF THERMOSTAT(S), EXHAUST FAN(S), AND OTHER SPECIAL EQUIPMENT OR CONTROLS. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ALL CONDUIT, JUNCTION BOXES, WIRING, AND DISCONNECT SWITCHES AND THERMOSTAT JUNCTION BOXES.

ALL WIRING SHALL BE INSTALLED IN APPROVED RACEWAY SYSTEM IN ACCORDANCE WITH N.E.C. AND LOCAL ORDINANCES. THE USE OF TYPE MC CABLE SHALL BE INSTALLED IN ACCORDANCE WITH N.E.C. ARTICLE 330.

GROUNDING: SYSTEM GROUND SHALL BE IN ACCORDANCE WITH N.E.C. AND TABLE 250.122. THE SYSTEM SHALL BE FURNISHED WITH A CONTINUOUS GROUND FOR RECEPTACLES, LIGHTS, AND EQUIPMENT IN ACCORDANCE WITH N.E.C. TABLE 250,122.

CONDUIT RUNS INSIDE THE BUILDING SHALL BE CONCEALED, CONDUIT BELOW FLOOR SLAB SHALL BE INSTALLED BELOW THE SLAB AND INSTALLED PRIOR TO POUR. RUNS TO BE STRAIGHT AS POSSIBLE FROM POINT OF OUTLET TO POINT OF OUTLET.

SWITCHBOARDS, PANELBOARDS, INDUSTRIAL CONTROL PANELS, METER SOCKET ENCLOSURES, AND MOTOR CONTROL CENTERS THAT ARE IN OTHER THAN DWELLING OCCUPANCIES AND ARE LIKELY TO REQUIRE EXAMINATION. ADJUSTMENT, SERVICING, OR MAINTENANCE WHILE ENERGIZED. SHALL BE FIELD MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS. THE MARKING SHALL BE LOCATED SO AS TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE OF THE EQUIPMENT PER N.E.C. 110.16

	LEGE
	DUPLEX RECEPTACLE MOUNT @ 18" [45 NOTED
	48" - MOUNT AT 48" [1219mm] A.F.F. +6" - MOUNT AT 6" [152mm] ABOVE COUNTERTOP GFI - GROUND FAULT INTERRUPTER
\ominus	SINGLE RECEPTACLE MOUNT @ 18" [45 NOTED
-	4-PLEX RECEPTACLE MOUNT @ 18" [450 NOTED
	208V. RECEPTACLE
۲	FLUSH FLOOR MOUNTED DUPLEX RECE
J	NOTE: MARK ALL J BOXES WITH BRANC DESIGNATION & CIRCUIT NUMBER(S)
-J	WALL MOUNTED JUNCTION BOX
	TELEVISION OUTLET
◀ _{2D}	TELEPHONE OUTLET MOUNT @ 18"A.F.I NOTED - STUB 3/4"C. [21mm] INTO ACCE PROVIDE BLANK COVER PLATE. 2D-DOUBLE
	FLUSH FLOOR MOUNTED TELEPHONE C STUB 3/4"C. [21mm] INTO ACCESSIBLE L
⊲ _{2D}	DATA TERMINAL OUTLET MOUNT @ 18"/ NOTED - STUB 3/4"C. [21mm] INTO ACCE PROVIDE BLANK COVER PLATE. 2D-DOUBLE
	FLUSH FLOOR MOUNTED DATA TERMIN STUB 3/4"C. [21mm] INTO ACCESSIBLE L
	FUSIBLE DISCONNECT
	PANELBOARD -NOTE: PROVIDE TYPEWE COMPLETION OF WORK
ф _D	SWITCH MOUNT @ 48" A.F.F. [1219mm] L
	D - DIMMER SWITCH T - TIMER 3 - THREE-WAY SWITCHING K - KEYED OS - OCCUPANCY SENSOR
A a	RECESS MOUNTED FIXTURE A - FIXTURE TYPE a - SWITCHING DESIGNATION
	RECESSED DOWNLIGHT
	SURFACE / CHAIN MOUNTED FIXTURE
	WALL / POLE MOUNTED FIXTURE AA - FIXTURE TYPE
F⊗l	WALL MOUNTED EXIT SIGN ARROW INDICATED
⊗k	CEILING MOUNTED EXIT SIGN
	CIRCUIT HOME-RUN (ARROWS INDICAT
A—1,3,5 (#10)	A-1,3,5 - PANEL A, CIRCUITS 1, 3, & 5 (#10) - USE 10 GAUGE COPPER WIRE (6mm ²)
L	

NOTE: - NOT ALL SYMBOLS MAY APPLY TO ALL SHEETS - ALL WIRE SHALL BE COPPER (MIN. #12 AWG) (4mm ²) UNLESS OTHERWISE NOTED.

- FEEDERS SHALL CONFORM TO N.E.C. 215.2. BRANCH CIRCUIT WIRING AND VOLTAGE DROP REQUIREMENTS SHALL CONFORM TO N.E.C. 210.19(A). - ALL SUPPORTS FOR EQUIPMENT AND DEVICES SHALL CONFORM SEISMIC ZONE REQUIREMENTS AND LOCAL AUTHORITY HAVING JURISDICTION. LIGHT FIXTURES SHALL BE SUPPORTED IN ACCORDANCE WITH N.E.C. ARTICLE 300 SPECIFICALLY PARAGRAPH 300.11(A)

NOTES: KITCHEN EQUIPMENT THE SUB-CONTRACTOR SHALL COORDINATE WITH AND CONFORM TO: APPROVED ELECTRICAL KITCHEN EQUIPMENT SHOP DRAWINGS, WITH THE EQUIPMENT SUPPLIER, EQUIPMENT INSTALLER, AND THE WIRING DIAGRAMS, DETAILS, ETC., PRIOR TO ANY ROUGH-INS. THIS SHALL INCLUDE THE FOLLOWING BUT IS NOT NECESSARILY LIMITED TO:

PROVIDE ALL POWER CIRCUITS, WIRING, CONDUIT, OUTLETS, DISCONNECT SWITCHES, ETC., AND PROVIDE FINAL ELECTRICAL CONNECTIONS TO ALL EQUIPMENT. ALL EQUIPMENT SHALL HAVE APPROVED DISCONNECTING MEANS IN ACCORDANCE WITH N.E.C. ARTICLE 422.

PROVIDE ALL POWER CIRCUITS, WIRING, CONDUIT, OUTLETS, DISCONNECT SWITCHES, ETC., FOR ALL REFRIGERATION EQUIPMENT EXCLUDING COMPRESSORS, SOLENOIDS, ETC. WHICH ARE FURNISHED BY REFRIGERATION CONTRACTOR. MAGNETIC CONTACTORS, TIME CLOCKS, ETC. ARE FURNISHED AND INSTALLED BY THE ELECTRICAL SUB-CONTRACTOR.

PROVIDE MATCHING RECEPTACLES AND CONNECTORS IF CORD IS SUPPLIED WITH EQUIPMENT. SPLICE CONNECTORS TO CORD IS NECESSARY.

EQUIPMENT IS INSTALLED.

VERIFY ALL ELECTRICAL CHARACTERISTICS WITH THE KITCHEN EQUIPMENT SUPPLIER, RECOMMENDATIONS, AND CONTROL WIRING DIAGRAMS, EQUIPMENT CONNECTIONS, MOUNTING HEIGHTS, LOCATIONS ETC.

PROVIDE MATCHING RECEPTACLES AND CONNECTORS IF CORD IS SUPPLIED WITH EQUIPMENT. PROVIDE CORD CAP IF NOT PROVIDED WITH EQUIPMENT.

FOR ADDITIONAL INFORMATION, REFER TO FOOD SERVICE EQUIP-MENT DRAWINGS.

END 18" [450mm] A.F.F. UNLESS OTHERWISE IG - ISOLATED GROUND

18" [450mm] A.F.F. UNLESS OTHERWISE

18" [450mm] A.F.F. UNLESS OTHERWISE

RECEPTACLE - USE BRASS COVERPLATE

BRANCH JUNCTION BOX CIRCUIT PANEL

18"A.F.F. [450mm] UNLESS OTHERWISE ACCESSIBLE LOCATION ABOVE CEILING.

HONE OUTLET - USE BRASS COVERPLATES -SIBLE LOCATION ABOVE CEILING

@ 18"A.F.F. [450mm] UNLESS OTHER- WISE ACCESSIBLE LOCATION ABOVE CEILING.

ERMINAL - USE BRASS COVERPLATES -IBLE LOCATION ABOVE CEILING

∠ NON-FUSIBLE DISCONNECT YPEWRITTEN DIRECTORIES AT

9mm] UNLESS OTHERWISE NOTED

- TIMER L - LIMIT - KEYED M - MANUAL STARTER

IDICATE NUMBER OF CIRCUITS)

MAKE ALL FINAL HARD WIRED CONNECTIONS TO EQUIPMENT AFTER

X EXIST. PAD MOUNTED TRANSFORMER 120/208 V, 3-PHASE, 4-WIRE EXIST. 4" 4-500 MCM (CU)

NEW C.T. CABINET AND METER

∕\400/B C.B. EXIST. 4"

> 4-500 MCM (CU) #3 GND (CU)

PNL PNL ONE LINE DIAGRAM NO SCALE

| < | @ |

X2

Х3

E.C. SHALL VERIFY TENANT ELECTRICAL SERVICE EQUIPMENT WITH LANDLORD PRIOR TO INSTALLATION.

LOAD CALCULATIONS: LIGHTING 2.2@ 125% = 2.8 kVA RECEPTACLE 5.2@ 100% = 5.2 kVA

	0.20	100/0 -	0.2 10070
MECHANICAL	23.9@	100% =	23.9 kVA
25% OF LARGES	Т	=	2.9 kVA
SPECIAL	44.1@	65% =	28.7 kVA
MISC.	6.9@	100% =	6.9 kVA
TOTAL		=	67.5 kVA
		1	87.5 AMPS)

SHORT CIRCUIT CALCULATIONS

POINT TO POINT METHOD FOR SHORT CIRCUIT CALCULATIONS ILLUSTRATED IN BUSSMAN MANUFACTURING PUBLICATION FORM SPD90.

SERVICE: 120/208 V., 3-PHASE, 4-WIRE

AVAILABLE SHORT CIRCUIT CURRENT FROM UTILITY = 52,000 A.

FIND FACTOR f = $\frac{1.73 \text{ x}}{(1.73 \text{ cm})}$ (length in feet) x (short circuit current) (constant from Table C) x (line-to-line voltage)

X1 = AVAILABLE FAULT FOR A 150 KVA TRANSFORMER PER UTILITY CO. = 26,000 AMPS

1.73	х	50	х	26,000	_			26,000	20.4		
2	x	22185	x	208	=	0.244	lsc =	= 1.244	20,9	906	AMPS
1.73	х	15	x	20,906	_			20,906	40.0	70	
2	х	12844	x	208	=	0.102	lsc =	= 1.102	18,9	9/9	AMPS

SCH	EDL
MFG	AS AF
TYPE	PANE
LUG LOC.	TOP -
AMPS	400 A
VOLTAGE.	120/20
MOUNTING.	FLUS
BRACING .	22,000

72" SANDWICH SPARE SPARE RECEPT SLICER #110 BAG IN BOX #13

ICE MAKER #13 COFFEE/TEA BR SPARE

TOASTER #107 EF-1, EF-2 & EF

RECEPT - GENE CASH REGISTE **RECEPT - GENE** CASH REGISTE PRINTER #113 TOASTER #107

SPARE A phase =

SCHEDULE - PAN	VEL B						NOTE: ALL BRE	AKERS 20A. UN	LESS NOTED	OTHERWISE.
MEG. AS APPROVED							HT	KVA @	125% =	K∨A
TYPE PANELBOARD							EPT		2 100% =	K∨A
							H		100% =	K∨A
AMPS 400 A. BUSS							5% LARGEST MD			K∨A
VDLTAGE 120/208V, 3ph, 4W							CIAL			K∨A
MOUNTING FLUSH							RE			K∨A
BRACING 22,000 A.I.C.						тот				KVA
SPARE		1		2	12	200	FOOD WAR	MER #109		
WALK-IN FREEZER	876	3		4	12	200	FOOD WAR	MER #109		
WALK-IN COOLER	876	5 .		LC	18	800	STEAMER #	108		
COOKIE OVEN (FRONT) #134	1500	7 .	╟┤	8	18	800	STEAMER #	108		
MICROWAVE (FRONT) #139	1800	9		10	18	800	STEAMER #	108		
RECEPT	360	11	1	1	18	800	STEAMER #	108		
SPARE		13	⊪⊢	14	18	800	STEAMER #	108		
SPARE		15 -	▦┤	16	18	800	STEAMER #	108		
TWO DOOR FREEZER #104	1320	17 -	1 ====	#	18	800	STEAMER #	108		
GWH-1	100	19 /			18	800	STEAMER #	108		
SPARE		21 /			18	800	STEAMER #	108		
SPARE		537	1				KVS MONITO	OR		
SPARE		25	# 		1	80	RECEPT.			
TELEPHONE BOARD		27			e.	860	RECEPT.			
COMPUTER		29	1 ====				SPARE			
COMPUTER	1000	31 /	• I I				SPARE			
RECEPT - DESK	500	33	mm	34	7	780	EXIST WALK	(-IN COOLE	ER	
RECEPT - DESK	500	35		15 ¹ 36	7	780				
RTU-1	4291	37.			30	81	RTU-2			
	4291	39	шшш	40	30	81				
	4291	41 60	┤■	50 ¹ 42	30	81				
A phase = VA B pha	se =	VA) phase	=		VA	Total =		VA

ELBOARD RE - W/ FEED THRU LUGS ME A. BUSS 2 $208V, 3ph, 4W$ KI SH MI $200 A.I.C.$ TD UNIT #102 1176 1 1 3 -4 420 <	
ELBOARD RE - W/ FEED THRU LUGS ME A. BUSS 2 $208V, 3ph, 4W$ KI SH MI $200 A.I.C.$ TO UNIT #102 1176 1 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 4 420 3 1 7 8 35 200 32 1331 13 1 1331 15 20 1 7 2700 23 300 23 200 1331 15 7 2700 23 300 <td< td=""><td>NOTE: ALL BREAKERS 20A. UNLESS NOTED OTHERWISE.</td></td<>	NOTE: ALL BREAKERS 20A. UNLESS NOTED OTHERWISE.
ELBOARD RE - W/ FEED THRU LUGS ME A. BUSS 2 $208V, 3ph, 4W$ KI SH MI $200 A.I.C.$ TD UNIT #102 1176 1 1 $208V, 3ph, 4W$ 1 $200 A.I.C.$ TD UNIT #102 1176 1 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 4 300 3 2 3 300 3 2 3 300 3 2 4 1200	ынт. <u>2.1 кva@125% = 2.6 кva</u>
- W/ FEED THRU LUGS ME A. BUSS a $208V, 3ph, 4W$ KI SH MI $00 A.I.C.$ TO UNIT #102 1176 1 -2 1200 3 -4 420 3 -4 420 3 -4 420 3 -4 420 3 -4 420 3 -4 420 3 -4 420 3 -4 420 3 -4 420 3 -4 420 3 -4 420 3 -4 420 3 -4 420 3 -4 420 3 -4 420 3 -4 420 3 -4 420 3 -4 4 3 -4 4 4 -4 4 4 -4	CEPT. 13.0 KVA @ 100% = 11.5 KVA
A. BUSS a $208V, 3ph, 4W$ KI SH MI $00 A.I.C.$ T UNIT #102 1176 1 1 1200 3	CH. 19.8 KVA @ 100% = 19.8 KVA
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	5% LARGEST MOTOR 4.6 KVA
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	CHEN 45.8 KVA @ 65% = 29.7 KVA
DO A.I.C. TI UNIT #102 1176 1 $-$ 2 1200 3 - 4 420 3 - 4 420 3 - 6 224 360 7 - 8 150 795 9 - 10 11 12 1000 32 1331 13 - 14 360 200 11 - 14 360 32 1331 13 - - 16 200 200 13 15 20 - 18 200 200 17 18 200 20 21 - 18 200 21 - 18 200 23 50 - 24 1200 23 50 - 24 1200 23 50 - 24 1200 23 50 - 24 1200 23 50 - 24 1200 23 50 - 24 1200 23 50 -<	C. 6.9 КVA @ 100% 6.9 КVA
3	TAL (208.6 A) 75.1 KVA
5 6 224 3607 8 1507959 16 10003520011 112 100032133113 14 360133113 116 200133115 -20 1718REWER #112150017 16 20072700 21 22 8302350 24 12002-3300 25 26 2RAL720 27 -28 2RAL360 31 32 830 31 32 830831 32 34	SIGN
3607 360 7 360 7 360 7 360 7 360 7 360 9 360 10 35 200 11 11 12 1000 11 12 1000 32 1331 13 11 11 360 13 11 11 360 REWER #112 1500 17 16 200 17 18 200 7 2700 21 22 830 23 50 24 1200 $2-3$ 300 25 24 1200 25 24 1200 $2R$ #127 900 29 30 830 830 R #127 720 33 31 32 830	LIGHTING - DINING / HALL
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	LIGHTING - STAGING/TOILETS
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	LIGHTING - PREP
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	SPARE
1331 $15 \int_{20}^{2}$ 16200REWER #1121500 $17 \int_{-1}^{2}$ 182002700 2700 $21 \int_{-1}^{2}$ 2830 $23 \int_{50}^{2}$ 24 12002700 2700 $25 \int_{-1}^{2}$ 26 1200 $27 \int_{-1}^{2}$ 2830 ERAL720 $27 \int_{-1}^{2}$ 28 1200 $27 \int_{-1}^{2}$ 2830 R #127900 $29 \int_{-1}^{-1}$ 28 3300 $31 \int_{-1}^{2}$ 3830 R #127720 $33 \int_{-1}^{2}$ 34 34 34	RECEPT - CEILING MOUNTED T.V.
REWER #112 1500 $17 \\ 19 \\ 19 \\ 19 \\ 19 \\ 19 \\ 10 \\ 19 \\ 10 \\ 10$	RECEPT - (ON ROOF)
REWER #112 1500 $17 \\ 19 \\ 19 \\ 19 \\ 19 \\ 19 \\ 10 \\ 19 \\ 10 \\ 10$	TEA URN #130
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	TEA URN #130
Image: Rel #127 900 293 Image: L30 830 ERAL 360 31 32 830 Image: Rel #127 720 33 Image: L30 830	SPARE
Image: Rel #127 900 293 Image: L30 830 ERAL 360 31 32 830 Image: Rel #127 720 33 Image: L30 830	FREE STYLE COKE #111
Image: Rel #127 900 293 Image: L30 830 ERAL 360 31 32 830 Image: Rel #127 720 33 Image: L30 830	RECEPT - SHOW WINDOW
Image: Rel #127 900 293 Image: Rel #127 300 830 ERAL 360 31 Image: Rel #127 32 830 Image: Rel #127 720 33 Image: Rel #127 34	RECEPT - SHOW WINDOW
Image: Rel #127 900 293 Image: L30 830 ERAL 360 31 32 830 Image: Rel #127 720 33 Image: L30 830	RECEPT - SHOW WINDOW
R #127 720 33 33 34	EF-4 (ON ROOF)
	COKE FRIDGE #122
	SPARE
	SPARE
	EM. LIGHTING
	CASH REGISTER #127
41 5 42 720	CASH REGISTER #127
26,205 VA B phase = 29,132 VA C phase =	

CURRAN ARCHITECTURE 5719 LAWTON LOOP E. DR. #212

INDIANAPOLIS, IN 46216 O :: 317.288.0681 F :: 317.288.0753

PRELIMINARY NOT FOR CONSTRUCTION

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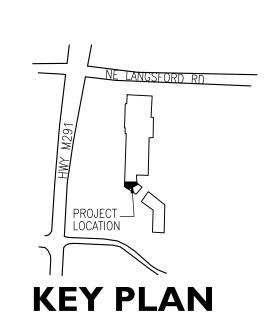


FIREHOUSE SUBS III SE M29I HWY STE. 100 LEES SUMMIT, MO 64081

ISSUE DATES

ISSUE

DATE







Project Information					
Energy Code:	2018 IECC				
Project Title:	Firehouse Subs				
Project Type:	Addition				
Construction Site: 111SE M291 HWY Suite 100 Lees Summit, MO 64081	Owner/Agent: Firehouse Subs 111SE M291 HWY Suite 100 Lees Summit, MO 64081	R.E. Des 800 Wes Park Hill 720-635	E. Rowley ign, Inc. stwood Drive s, MO 63601	L	
Allowed Interior Lighting Pov	wer				
	Α	B	С		D
Are	ea Category	Floor Area (ft2)	Allowed Watts / ft		wed Watt B X C)
1-Common Space Types:Dining Area -	- Family Restaurant	868	0.71		616
2-Common Space Types:Food Prepara	ation	717	1.06		760
3-Common Space Types:Restrooms		108	0.85		92
4-Common Space Types:Corridor/Tran	nsition <8 ft wide	37	0.66		24
		Тс	otal Allowed W	/atts =	1493
Proposed Interior Lighting P	ower A	В	с	D	Е
Fixture ID : Descripti	on / Lamp / Wattage Per Lamp / Ballast	Lamps/ Fixture	# of Fixtures	Fixture Watt.	(C X D)
1-Common Space Types:Dining A Track lighting 1: D: LED Track Light	rea - Family Restaurant t: Wattage based on current limiting device capacit	у О	0	70	70
2-Common Space Types:Food Pre	eparation				
LED 1: A: 2x4 LED: LED Panel 38W		1	5	39	195
	t: Wattage based on current limiting device capacit		0	80	80
LED 2: G: Pendant Light: LED A La	AND COURTY IN THE	1	4	13	52
3-Common Space Types:Restroor LED 3: B1: 2x2 LED: LED Panel 33		1	2	34	68
4-Common Space Types:Corridor/					
Track lighting 3: D: LED Track Light	t: Wattage based on current limiting device capacit	у О	0	40	40
			Total Propos	ed Watts =	505

Interior Lighting PASSES: Design 66% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2018 IECC requirements in COM*check* Version 4.1.4.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Richard E. Rowley / Electrical Designer Name - Title

10-23-2020

COMcheck Software Version 4.1.4.0 Inspection Checklist

Energy Code: 2018 IECC

Requirements: 100.0% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

				_
Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions	
C103.2 [PR4] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	■Complies □Does Not □Not Observable □Not Applicable	Requirement will be met. Location on plans/spec: SEE ELECTRICAL PLANS	
C406 [PR9] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	■Complies □Does Not □Not Observable □Not Applicable	Requirement will be met. Location on plans/spec: SEE ELECTRICAL PLANS	

Additional Comments/Assumptions:

Section #	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
& Req.ID		Complicat	control to Assumptions
C405.2.2. 2 [EL22] ¹	Spaces required to have light- reduction controls have a manual control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern >= 50 percent.	■Complies □Does Not □Not Observable □Not Applicable	Requirement will be met. Location on plans/spec: SEE ELECTRIAL PLANS
C405.2.1, C405.2.1. 1 [EL18] ¹	Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, warehouse storage areas, and other spaces <= 300 sqft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces.	■Complies □Does Not □Not Observable □Not Applicable	Requirement will be met. Location on plans/spec: SEE ELECTRICAL PLANS
C405.2.1. 2 [EL19] ¹	Occupancy sensors control function in warehouses: In warehouses, the lighting in aisleways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more when the areas are unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor.	□Complies □Does Not □Not Observable ■Not Applicable	Exception: Requirement does not apply.
C405.2.1. 3 [EL20] ¹	Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces >= 300 sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas <= 600 sq.ft. within the space, 2) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 3) are configured so that general lighting power in each control zone is reduced by >= 80% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone, and 4) are configured such that any daylight responsive control will activate space general lighting only when occupancy for the same area is detected.	□Complies □Does Not □Not Observable ■Not Applicable	Exception: Requirement does not apply.
C405.2.2. 1,	Each area not served by occupancy sensors (per C405.2.1) have time- switch controls and functions detailed in sections C405.2.2.1 and C405.2.2.2.	■Complies □Does Not □Not Observable □Not Applicable	Requirement will be met. Location on plans/spec: SEE ELECTRICAL PLANS
Section #	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
1,	Daylight zones provided with individual controls that control the lights independent of general area lighting. See code section C405.2.3 Daylight-responsive controls for applicable spaces, C405.2.3.1 Daylight responsive control function and	Complies Does Not Not Observable	Exception: Requirement does not apply.

1,	individual controls that control the lights independent of general area lighting. See code section C405.2.3 Daylight-responsive controls for applicable spaces, C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidelit zone.	□Does Not □Not Observable ■Not Applicable	
C405.2.4 [EL26] ¹	Separate lighting control devices for specific uses installed per approved lighting plans.	 Complies Does Not Not Observable Not Applicable 	Requirement will be met. Location on plans/spec: SEE ELECTRIAL PLANS
C405.2.4 [EL27] ¹	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	■Complies □Does Not □Not Observable □Not Applicable	Requirement will be met. Location on plans/spec: SEE ELECTRIAL PLANS
C405.3 [EL6] ¹	Exit signs do not exceed 5 watts per face.	■Complies □Does Not □Not Observable □Not Applicable	Requirement will be met. Location on plans/spec: SEE ELECTRICAL PLANS
C405.6 [EL26] ²	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	□Complies □Does Not □Not Observable ■Not Applicable	Exception: Requirement does not apply.
C405.7 [EL27] ²	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	■Complies □Does Not □Not Observable □Not Applicable	Requirement will be met. Location on plans/spec: SEE ELECTRICAL PLANS
C405.8.2, C405.8.2. 1 [EL28] ²	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	□Complies □Does Not □Not Observable ■Not Applicable	Exception: Requirement does not apply.
C405.9 [EL29] ²	Total voltage drop across the combination of feeders and branch circuits $\leq 5\%$.	■Complies □Does Not □Not Observable □Not Applicable	Requirement will be met. Location on plans/spec: SEE ELECTRICAL PLANS

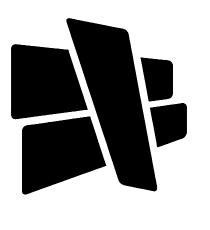
ditional	Comments/Assumptions:	
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Section # & Req.ID	Final Inspection	Complies?	
C303.3, C408.2.5. 2 [FI17] ³	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	□Complies □Does Not ■Not Observable □Not Applicable	Requi
C405.4.1 [FI18] ¹	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	■Complies □Does Not □Not Observable □Not Applicable	See th
C408.1.1 [FI57] ¹	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	□Complies □Does Not ■Not Observable □Not Applicable	Requi
C408.2.5. 1 [FI16] ³	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	□Complies □Does Not ■Not Observable □Not Applicable	Requi
C408.3 [FI33] ¹	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	□Complies □Does Not ■Not Observable □Not Applicable	Requi Loca t

Additional Comments/Assumptions:

Comments/Assumptions
Requirement will be met.
See the Interior Lighting fixture schedule for values.
Requirement will be met.
Requirement will be met.
Requirement will be met.

ocation on plans/spec: NOT OBSERVABLE





INDIANAPOLIS, IN 46216 O :: 317.288.0681 F :: 317.288.0753

P.Eng.	Circle Vo 80126
ARWIN PRIEST P.E., F	242 Mountain Cloud (Highlands Ranch, Colorado Email: arwin@pedenver.com Phi (303) 898-2664
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ROIECT INFORMATION



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ISSUE DATES

ISSUE

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