



CENTRALBIDDING
FROM CENTRAL AUCTION HOUSE

5-26 Lenwil Elementary Cafeteria Renovation
Ouachita Parish School Board

Project documents obtained from www.CentralBidding.com

09-Oct-2025 11:09:28 AM

LENWIL ELEMENTARY SCHOOL CAFETERIA RENOVATION



112 ARRANT ROAD, WEST MONROE, LA 71292
OUACHITA PARISH SCHOOL BOARD

1600 N 7TH STREET, WEST MONROE, LA 71291

Todd Guice, Superintendent
OPSB School Board Members: Tommy Comeaux, Sherry May, Mike Batey,
Jerry Hicks, Herold McCoy, Dabo Graves, Greg Manley

ARCHITECT

TBA

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TBA



LENWIL ELEMENTARY SCHOOL
CAFETERIA RENOVATOIN
112 ARRANT ROAD
WEST MONROE, LA 71292

DRAWING REVISIONS

No.	Description	Date

DRAWN BY: HT, MU
CHECKED BY: CW
SHEET

G1.01

Date: OCTOBER 2025
Project No.: 25-WM0015

DESCRIPTION:
COVER SHEET

ABBREVIATIONS

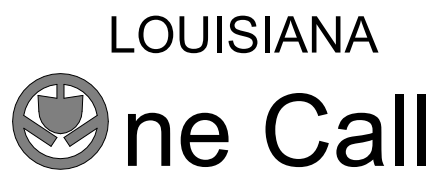
# & @	NUMBER AND AT	F.E.B.	FIRE EXTINGUISHER ON BRACKET	O.C.	ON CENTER
A	AREA	F.E.C.	FIRE EXTINGUISHER IN CABINET	O.H.	OPPOSITE HAND
A/C	AIR CONDITIONING	F.F.	FINISHED FLOOR	OPG.	OPENING
ACCOUST.	ACOUSTIC(AL)	FL.	FLOOR	PAR.	PARALLEL
ADDL.	ADDITIONAL	FLSH'G.	FLASHING	PART.	PARTITION
ADJ.	ADJACENT	FLUOR.	FLUORESCENT	PG.	PAGE
A.F.F.	ABOVE FINISHED FLOOR	FT.	FOOT FEET	P.LAM.	PLASTIC LAMINATE
ALT.	ALTERNATE(ING)	FTG.	FOOTING	PLYWD.	PLYWOOD
ALUM.	ALUMINUM	FURR.	FURRED, FURRING	PTD.	PAINTED
APPROX.	APPROXIMATE(LY)	FRP	FIRE RET	P.T.D.	PAPER TOWEL DISPENSER
ARCH.	ARCHITECT(URAL)			Q.T.	QUARRY TILE
AVG.	AVERAGE	G.C.	GENERAL CONTRACTOR		
		GEN.	GENERAL		
BD.	BOARD	GND.	GROUND	RA	RETURN AIR
BLDG.	BUILDING	G.B.	GRAB BAR	RCP	REFLECTED CEILING PLAN
BLK'G.	BLOCK	GYP	GYPSUM	REF.	REFERENCE
BLK'G.	BLOCKING	GYP.BD.	GYPSUM BOARD	RM.	ROOM
BM.	BEAM			RO.	ROTATED
B.N.	BULLNOSE	H.C.	HOLLOW CORE		
BOT.	BOTTOM	H.D.	ELECTRIC HAND DRYER	SCHED.	SCHEDULE
BTWN.	BETWEEN	H.M.	HOLLOW METAL	S.D.	SOAP DISPENSER
		HORIZ.	HORIZONTAL	SECT.	SECTION
		HT.	HEIGHT(H)	SHT.	SHEET
CER.	CERAMIC	HTG.	HEATING	SHTG.	SHEETING
CIR.	CIRCLE	HVAC	HEATING VENTILATING & A/C	SIM.	SIMILAR
C.J.	CONTROL JOINT	H.W.	HOT WATER	SPEC'D.	SPECIFIED
CLG.	CEILING			SPECS.	SPECIFICATIONS
CLR.	CLEAR	ID	INTERIOR DECOR	SQ.	SQUARE
CMU	CONCRETE MASONRY UNIT	IN.	INCH(IES)	STG.	SEATING
COL.	COLUMN	INFO.	INFORMATION	STL.	STEEL
CONC.	CONCRETE	INSUL.	INSULATION	STOR.	STORAGE
CONT.	CONTINUOUS	INT.	INTERIOR	SYM.	SYMBOLS
CPT	CARPER	JST.	JOIST	SYS.	SYSTEM
CTR	CENTER	JT.	JOINT		
C.T.	CERAMIC TILE	KIT.	KITCHEN	TB.	TAC BOARD
C.T.A.	CHANGING TABLE			TEL.	TELEPHONE
C.T.B.S.	COLOR TO BE SELECTED BY ARCHITECT	LAM.	LAMINATE	TEMP.	TEMPER(ED)
DEMO.	DEMOLISH(ION)	LAV.	LAVATORY(IES)	T.O.A.	TOP OF ATRIUM
DET.	DETAIL	LG.	LONG	T.O.P.	TOP OF PARAPET
DIA.	DIAMETER	LGTH.	LENGTH	T.S.	TUBULAR STEEL
DIAG.	DIAGNOL	LT.	LIGHT	Typ.	TYPICAL
DIM.	DIMENSION				
DN.	DOWN	MACH.	MACHINE	UNF.	UNFINISHED
DWG.	DRAWING	MAT'L.	MATERIAL	UTIL.	UTILITY
DWR.	DRAWER	MB	MATERIAL	U.N.O.	UNLESS NOTED OTHERWISE
		M.B.M.	METAL BUILDING MANUFACTURER		
E.	EAST	MET.	METAL	VERT.	VERTICAL
EA.	EACH	MFR.	MANUFACTURER	VOL.	VOLUME
E.D.F.	ELECTRIC DRINKING FOUNTAIN	MIN.	MINIMUM	V.T.	VINYL TILE
E.H.D.	ELECTRIC HAND DRYER	MISC.	MISCELLANEOUS	V.W.O.	VERIFY WITH OWNER
E.I.F.S.	EXTERIOR INSULATION FINISH SYSTEM	MTB	MARKER BOARD & TACK BOARD	W/	WITH
E.J.	ELECTRICAL			WC	WATER CLOSET
ELEC.	ELEVATION			WD.	WOOD
ELEV.	ELEVATION			W.H.	WATER HEATER
ENG.	ENGINEER(ING)			W/O	WITHOUT
EQ.	EQUAL			WT.	WEIGHT
EXH.	EXHAUST	N.C.	NORTH	WTH.	WIDTH
EXIST.	EXISTING	N.I.C.	NOT IN CONTRACT		
EXT.	EXTERIOR	N.T.S.	NOT TO SCALE	YD.	YARD



NOTE: 3D AXONOMETRIC VIEW SHOWN FOR GENERAL DESIGN AND REFERENCE ONLY. THIS IS NOT A SUBSTITUTION FOR CONSTRUCTION DOCUMENTS OR SHOP DRAWINGS.

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P3.01	PLUMBING DETAILS
P4.01	PLUMBING SCHEDULES
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Grand total: 39	



1-800-272-3020
Call before you dig

ALL CONTRACTORS AND SUBCONTRACTORS ARE TO REVIEW THE ENTIRE SET OF DRAWINGS AND ALL ISSUED ADDENDUM ITEMS PRIOR TO SUBMITTING BIDS OR PROCEEDING WITH CONSTRUCTION.

ADD ALTERNATES

1. PARKING LOT UPGRADE.

CODES & DESIGN SPECIFICATIONS

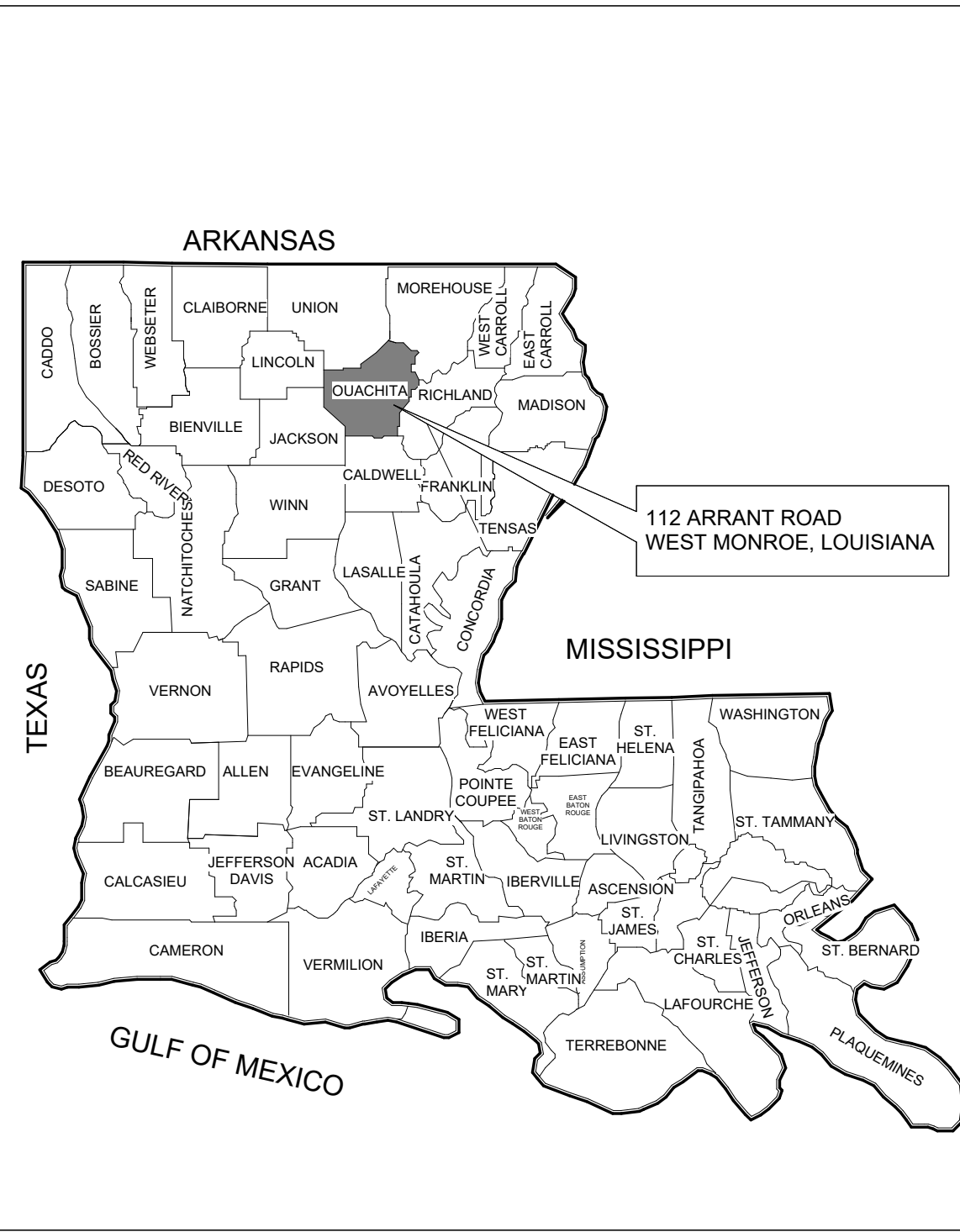
THE FOLLOWING CODES SHALL/WILL BE UTILIZED BY THE GENERAL CONTRACTOR AND ALL SUB-CONTRACTORS TO COMPLETE THE REQUIRED CONSTRUCTION. THE FOLLOWING CODES INCLUDE THE MINIMUM CODE, DESIGN, & APPLICATION REQUIREMENTS THAT SHALL BE ADHERED TO DURING THE CONSTRUCTION PROCESS. MANUFACTURER SPECIFICATIONS & LOCAL CODE REQUIREMENTS, WHEN IN EXCESS OF MINIMUM SPECIFICATIONS, SHALL CONTROL. IT IS THE CONTRACTORS RESPONSIBILITY TO REVIEW & SUBMIT ALL SHOP DRAWINGS & REPORT ALL DOCUMENT DISCREPANCIES TO THE ARCHITECT PRIOR TO FABRICATION OR ERECTION.

- | | |
|-------------------------|---|
| 1. BUILDING CODE(S): | "LIFE SAFETY CODE" BY THE NATIONAL FIRE PROTECTION ASSOCIATION, 2021 EDITION.
"INTERNATIONAL BUILDING CODE" BY THE INTERNATIONAL CODE COUNCIL, 2021 EDITION WITH LOUISIANA AMENDMENTS. |
| 2. STRUCTURAL STEEL: | "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS (ANSI/AISC 360-16)" BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION. |
| 3. STRUCTURAL CONCRETE: | "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-19)" BY THE AMERICAN CONCRETE INSTITUTE. |
| 4. COLD-FORMED STEEL: | "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS (AISI-S100-16(2020) w/ S2-20)" BY THE AMERICAN IRON AND STEEL INSTITUTE. |
| 5. CONCRETE MASONRY: | "BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES (TMS 402/16)" BY THE MASONRY STANDARDS JOINT COMMITTEE, LATEST EDITION. |
| 6. MECHANICAL: | "INTERNATIONAL MECHANICAL CODE" BY THE INTERNATIONAL CODE COUNCIL, 2021 EDITION. |
| 7. TIMBER: | ANSI / AWC NDS-18 NATIONAL DESIGN SPECIFICATON (NDS) FOR WOOD CONSTRUCTION. |
| 8. ELECTRICAL: | "NATIONAL ELECTRICAL CODE" BY THE NATIONAL FIRE PROTECTION ASSOCIATION, 2020 EDITION WITH LOUISIANA AMENDMENTS. |
| 9. PLUMBING: | "INTERNATIONAL PLUMBING CODE" BY THE INTERNATIONAL CODE CONCIL, 2021 EDITION WITH LOUISIANA AMENDMENTS. |
| 10. ADA: | "AMERICANS WITH DISABILITIES ACT" 2010. ADA STANDARDS FOR ACCESSIBLE DESIGN. |

SYMBOLS

SYMBOL	DESCRIPTION
	SECTION KEY
	DOOR NUMBER (SEE DOOR SCHEDULE)
	ROOM NAME AND NUMBER (SEE FINISH SCHEDULE)
	WINDOW TYPE (SEE WINDOW SCHEDULE)
	ENLARGED PLAN OR DETAIL KEY
	ENLARGED SECTION OR DETAIL KEY
	ELEVATION HEIGHT KEY

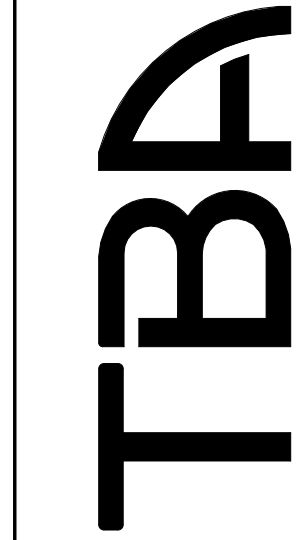
LOCATION MAP



VICINITY MAP



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DRAWING REVISIONS

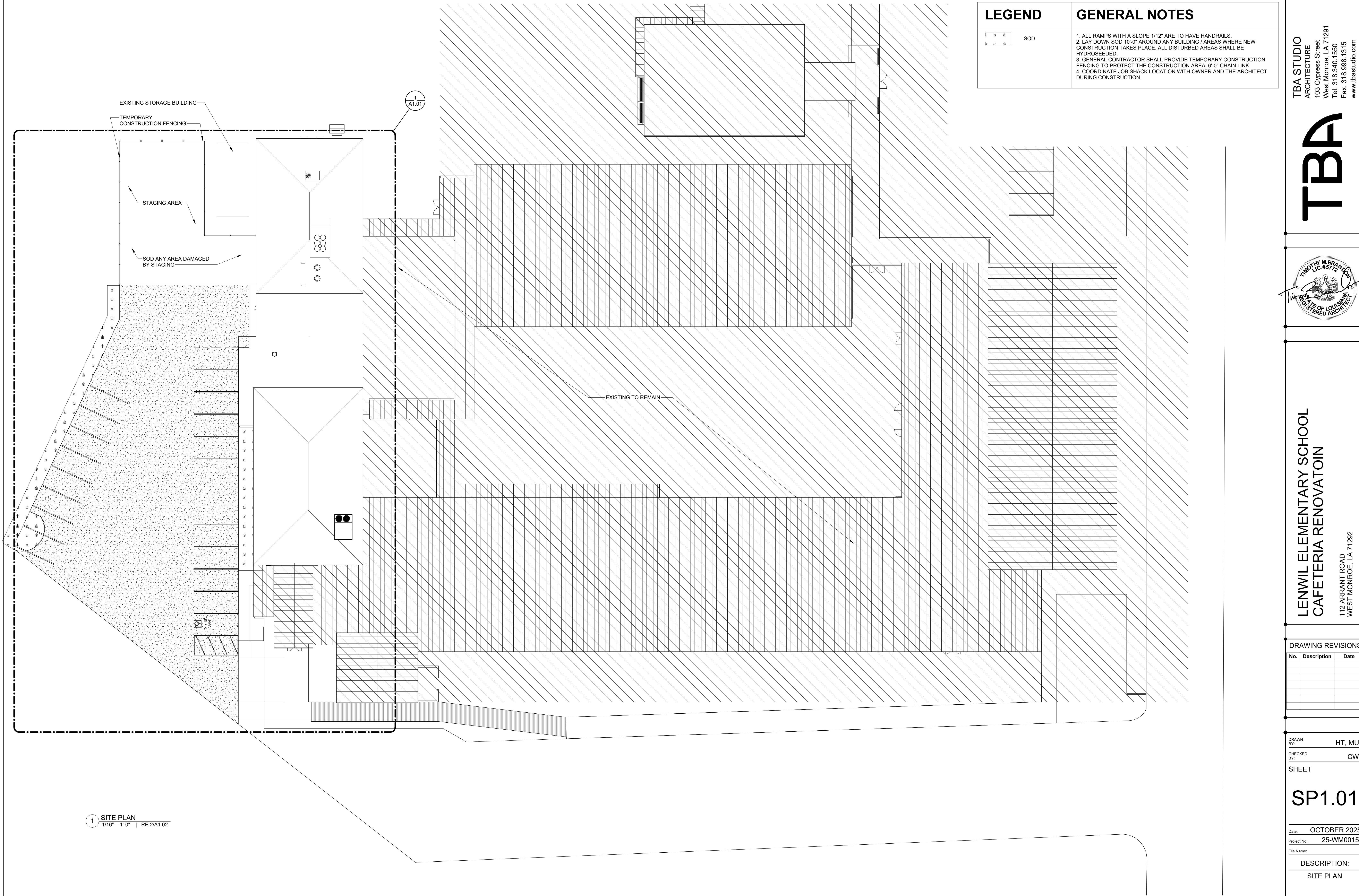
No.	Description	Date

DRAWN BY: HT, MU
CHECKED BY: CW
SHEET

G1.02

Date: OCTOBER 2025
Project No.: 25-WM0015
File Name:

DESCRIPTION:
GENERAL INFORMATION



LEGEND

SOD

GENERAL NOTES

1. ALL RAMPS WITH A SLOPE 1/12" ARE TO HAVE HANDRAILS.

2. LAY DOWN SOD 10'-0" AROUND ANY BUILDING / AREAS WHERE NEW CONSTRUCTION TAKES PLACE. ALL DISTURBED AREAS SHALL BE HYDROSEEDDED.

3. GENERAL CONTRACTOR SHALL PROVIDE TEMPORARY CONSTRUCTION FENCING TO PROTECT THE CONSTRUCTION AREA. 6'-0" CHAIN LINK.

4. COORDINATE JOB SHACK LOCATION WITH OWNER AND THE ARCHITECT DURING CONSTRUCTION.

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SHEET

SP1.01

Date: OCTOBER 2025

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File Name:

DESCRIPTION:

SITE PLAN

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Building Occupant Load Calculation per IBC Section 1004							
Name	Function of Area	Area	Area Per Occ.	Area Type	Occupant Load	Egress Width	Egress Width Voice Evac
FINISH FLOOR							
CORRIDOR	(none)	97.6 SF					
DINING	Assembly Unconcentrated	3,003.3 SF	15	Net	201	40.2"	30.2
DRY FOOD STOR.	Accessory Storage Areas, Mechanical Equipment Rooms	213.0 SF	300	Gross	1	0.2"	0.2
KITCHEN	Kitchens, Commercial	1,847.6 SF	200	Gross	10	2.0"	1.5
LAUNDRY/JAN.	Business Areas	63.0 SF	100	Gross	1	0.2"	0.2
LOCKERS	Locker Rooms	56.9 SF	50	Gross	2	0.4"	0.3
OFFICE	Business Areas	193.7 SF	100	Gross	2	0.4"	0.3
OFFICE	Business Areas	92.0 SF	100	Gross	1	0.2"	0.2
STORAGE	Accessory Storage Areas, Mechanical Equipment Rooms	105.2 SF	300	Gross	1	0.2"	0.2
SUPPLY	Accessory Storage Areas, Mechanical Equipment Rooms	25.6 SF	300	Gross	1	0.2"	0.2
Total Building Area		5,697.9 SF			220	44.0"	33.0
		5,697.9 SF			220	44.0"	33.0

LEGEND

1 HOUR RATED WALL

F.E.C.

FIRE EEXTINGUISHER IN CABINET

PARTITION TYPE LEGEND

A

WALL TYPE

GENERAL NOTES

1. REFER TO ROOM FINISH SCHEDULE AND INTERIOR ELEVATIONS FOR ADDITIONAL FINISHES NOT SHOWN ON THE LS SHEETS.

2. REFER TO BUILDING SECTIONS SHEETS FOR ADDITIONAL CONSTRUCTION REQUIREMENTS NOT SHOWN ON THE LS SHEETS.

3. REFER TO STRUCTURAL SHEETS FOR WALLS/PARTITIONS REQUIRING HEAVIER GUAGE STUDS AND/OR CLOSER STUD SPACING THAN INDICATED ON THE LS SHEETS.

4. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY CONDITIONS, WHICH CONFLICT WITH THE PROPER INSTALLATION OF SMOKE PARTITIONS, FIRE WALLS AND FIRE BARRIERS. SUCH NOTIFICATION SHALL BE PROVIDED, PRIOR TO INSTALLATION AND WORK ON THE AFFECTED WALLS/PARTITIONS SHALL BE SUSPENDED, UNTIL THE CONFLICT HAS BEEN RESOLVED. ANY ADDITIONAL WORK REQUIRED, AS A RESULT OF THE CONTRACTOR FAILING TO PROVIDE SAID NOTIFICATION SHALL BE PERFORMED, AT THE OCNTRACTORS EXPENSE, WITHOUT CHANGE ORDER.

DESIGN NOTES

1. 1ST FLOOR:

A. LIFE SAFETY CODE 2015 INFORMATION

OCCUPANCY

6,491 SF

15 - EXISTING EDUCATION

TOTAL SQUARE FOOTAGE

6,491 SF

NONE

AUTOMATIC SPRINKLER SYSTEM

EXISTING

EXISTING

FIRE ALARM SYSTEM

150'

100'

TRAVEL DISTANCE

20'

20'

COMMON PATH OF TRAVEL

2

2

DEAD END CORRIDOR LIMIT

222

11-000

NUMBER OF EXITS

2

2

OCCUPANT LOAD

222

II-000

TYPE OF CONSTRUCTION

II-B

II-B

B. 2021 INTERNATIONAL BUILDING CODE INFORMATION

OCCUPANCY

6,491 SF

EDUCATION

TOTAL SQUARE FOOTAGE

6,491 SF

NONE

AUTOMATIC SPRINKLER SYSTEM

EXISTING

EXISTING

FIRE ALARM SYSTEM

200'

75'

TRAVEL DISTANCE

20'

20'

COMMON PATH OF TRAVEL

2

2

DEAD END CORRIDOR LIMIT

222

II-B

NUMBER OF EXITS

2

2

OCCUPANT LOAD

222

II-B

TYPE OF CONSTRUCTION

II-B

II-B

C. 2021 INTERNATIONAL EXISTING BUILDING CODE

LEVEL 2 ALTERATION

2. ALL NEW CONSTRUCTION SHALL COMPLY WITH THE 2021 INTERNATIONAL BUILDING CODE, AND ALL LOCAL AND STATE CODES WHICH APPLY FOR THIS TYPE CONSTRUCTION.

3. THIS INSTALLATION SHALL CONFORM WITH THE 2010 ADA-AG FOR HANDICAP ACCESSIBILITY.

4. ALL ELECTRICAL WORK SHALL COMPLY WITH 2021 N.E.C. AND ALL STATE CODES.

5. ALL GLASS WITHIN 4' OF EXITS SHALL BE SAFETY GLAZED.

6. ALL EXTERIOR EXIT DOORS SHALL HAVE LANDINGS OUTSIDE AT DOOR OPENING ELEVATION.

7. RAMPS FROM LANDINGS TO WALKS AND HANDICAP PARKING AREAS SHALL HAVE A MAXIMUM SLOPE OF 1:12 & CURB RAMP SIDE FLARES SHALL HAVE A 1:10 MAX SLOPE.

8. EXIT DOORS SHALL NOT REQUIRE THE USE OF A KEY TO OPEN IN THE DIRECTION OF EGRESS.

1 LIFE SAFETY PLAN
1/8" = 1'-0" | RE:2/A1.02

TYPICAL MOUNTING HEIGHTS

SCALE: 3/8" = 1'-0" NOTE: PROVIDE 2x BLOCKING FOR ALL TOILET ACCESSORIES

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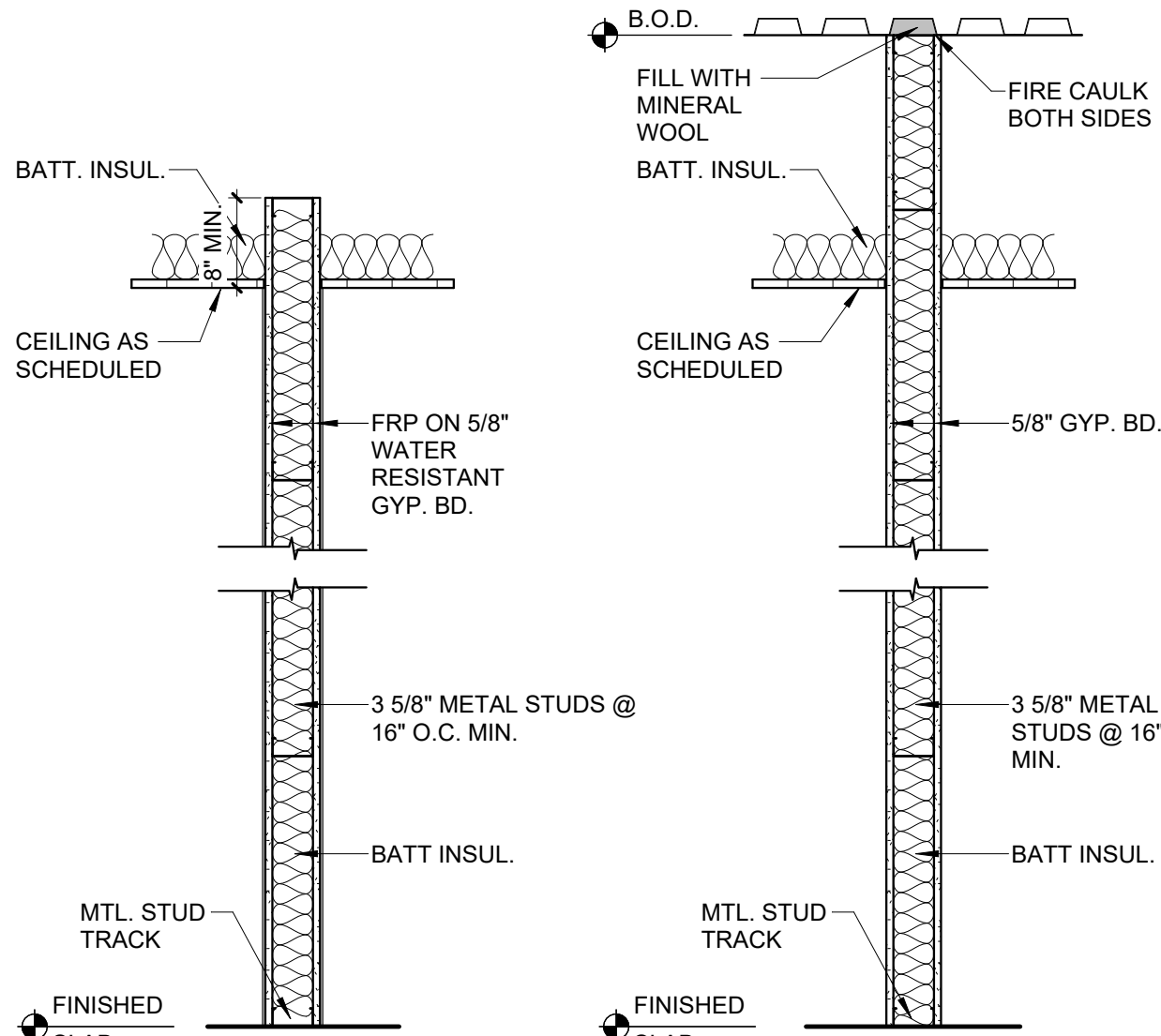
LS1.01

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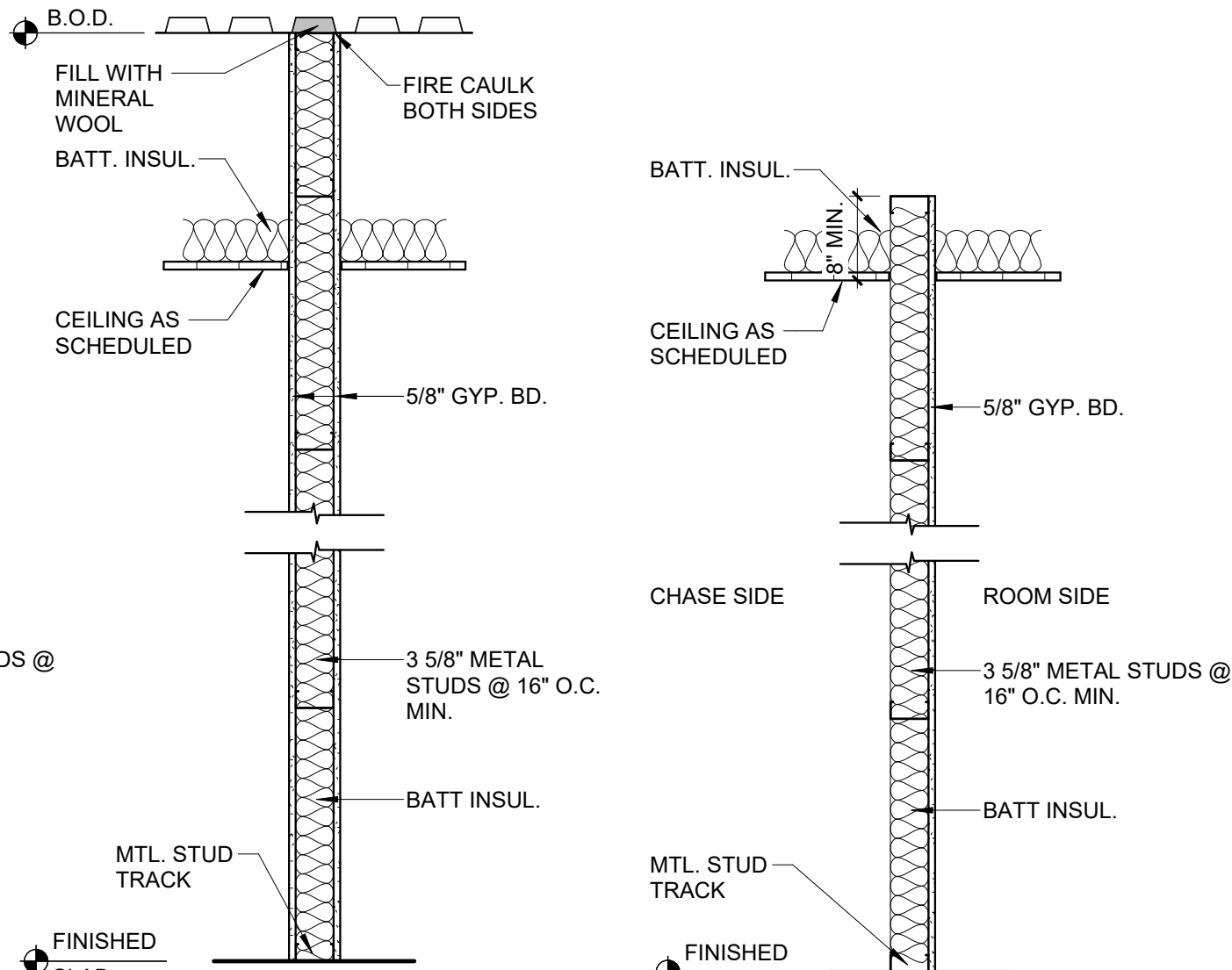
File Name:

DESCRIPTION:
LIFE SAFETY PLAN

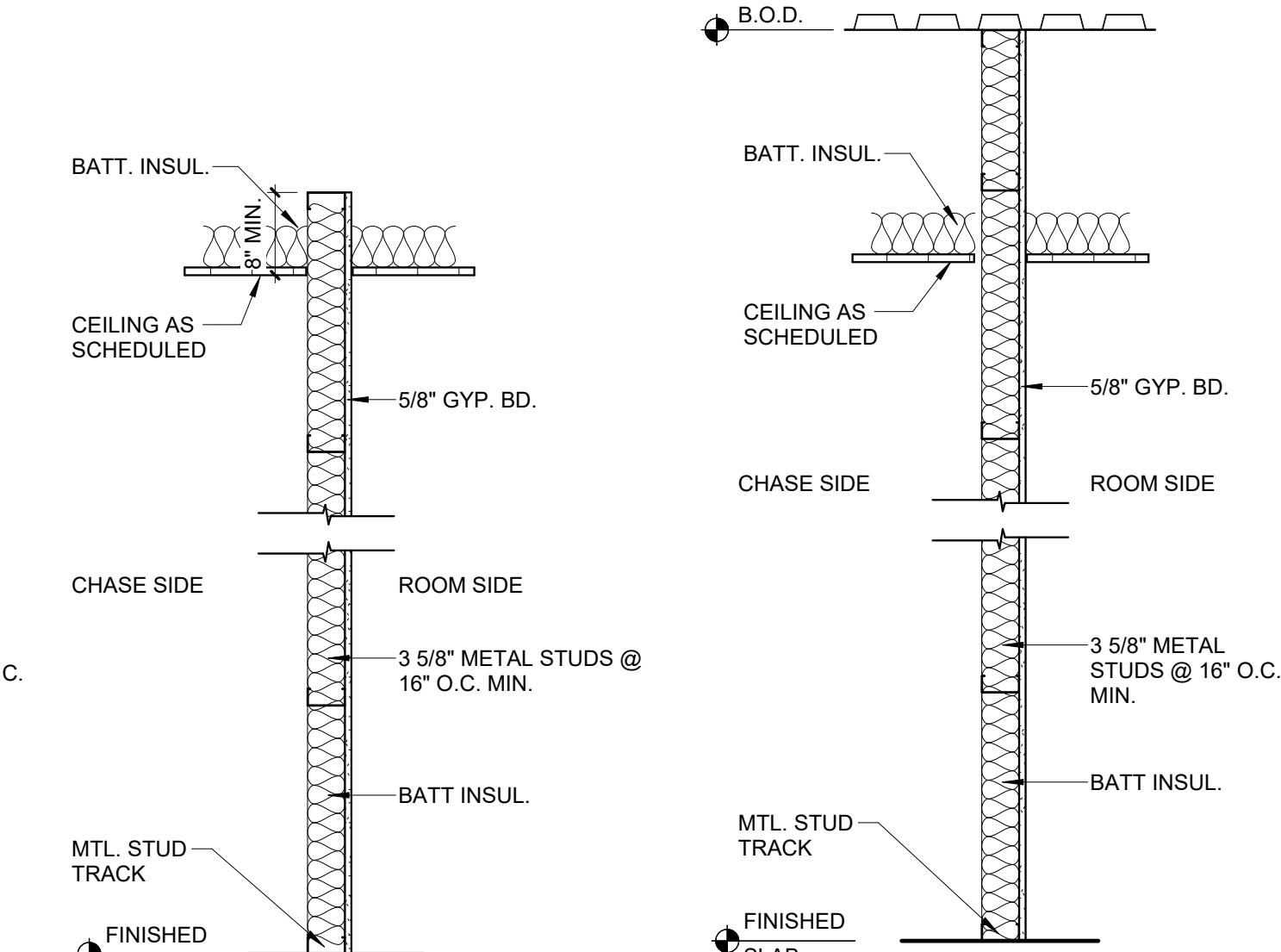
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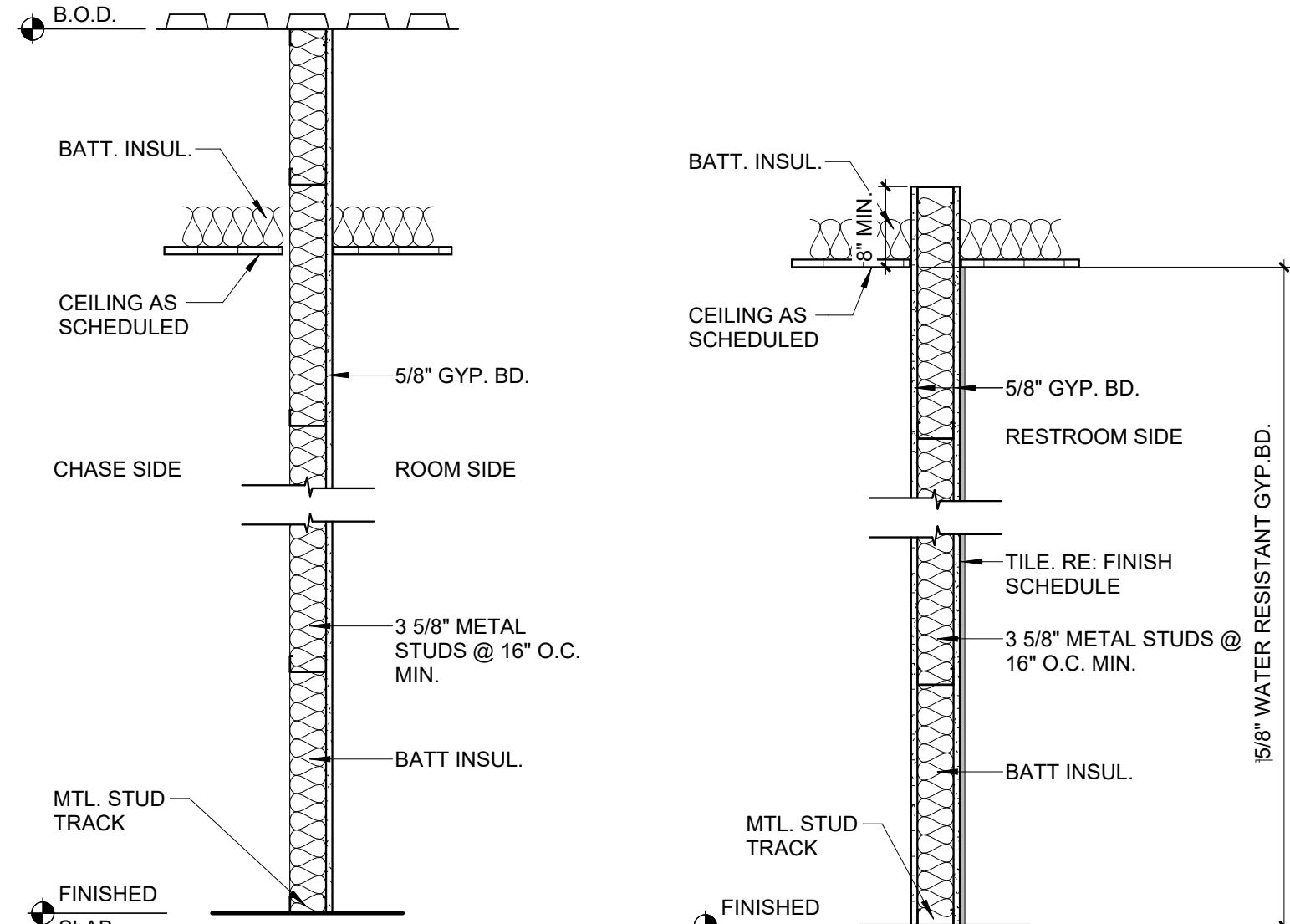
A PARTITION "A"
3/4" = 1'-0"



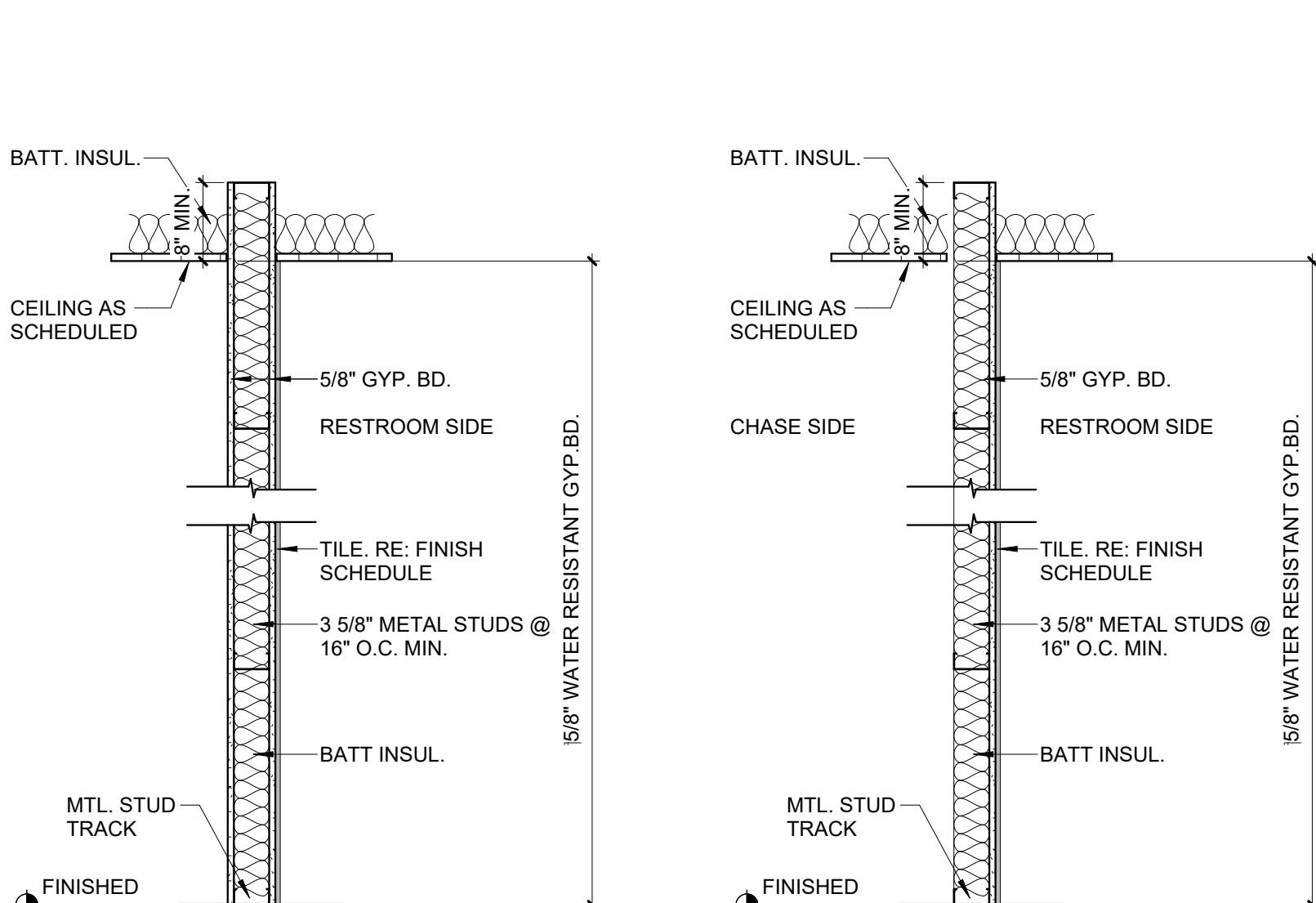
B PARTITION "B"
3/4" = 1'-0"



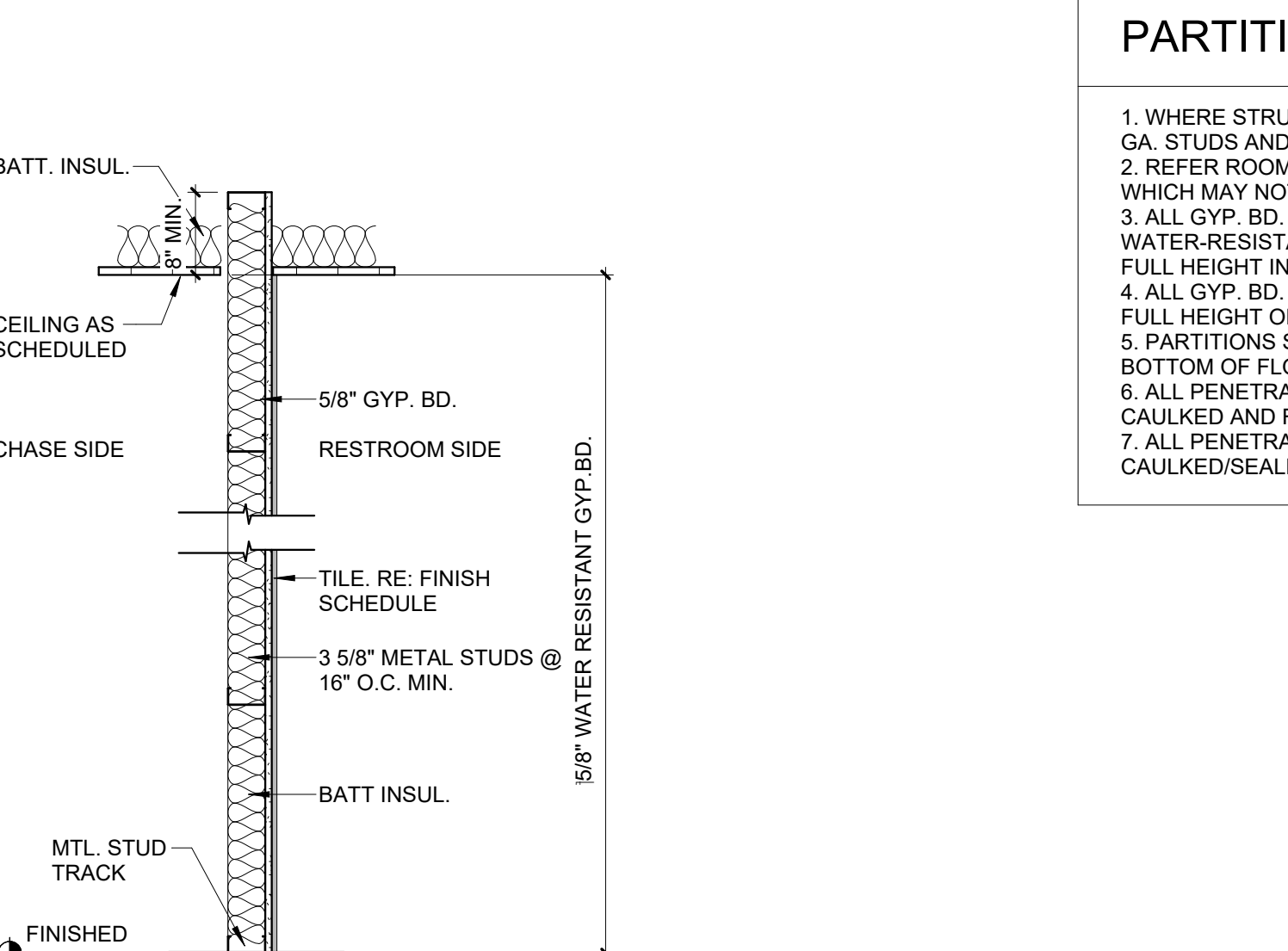
C PARTITION "C"
3/4" = 1'-0"



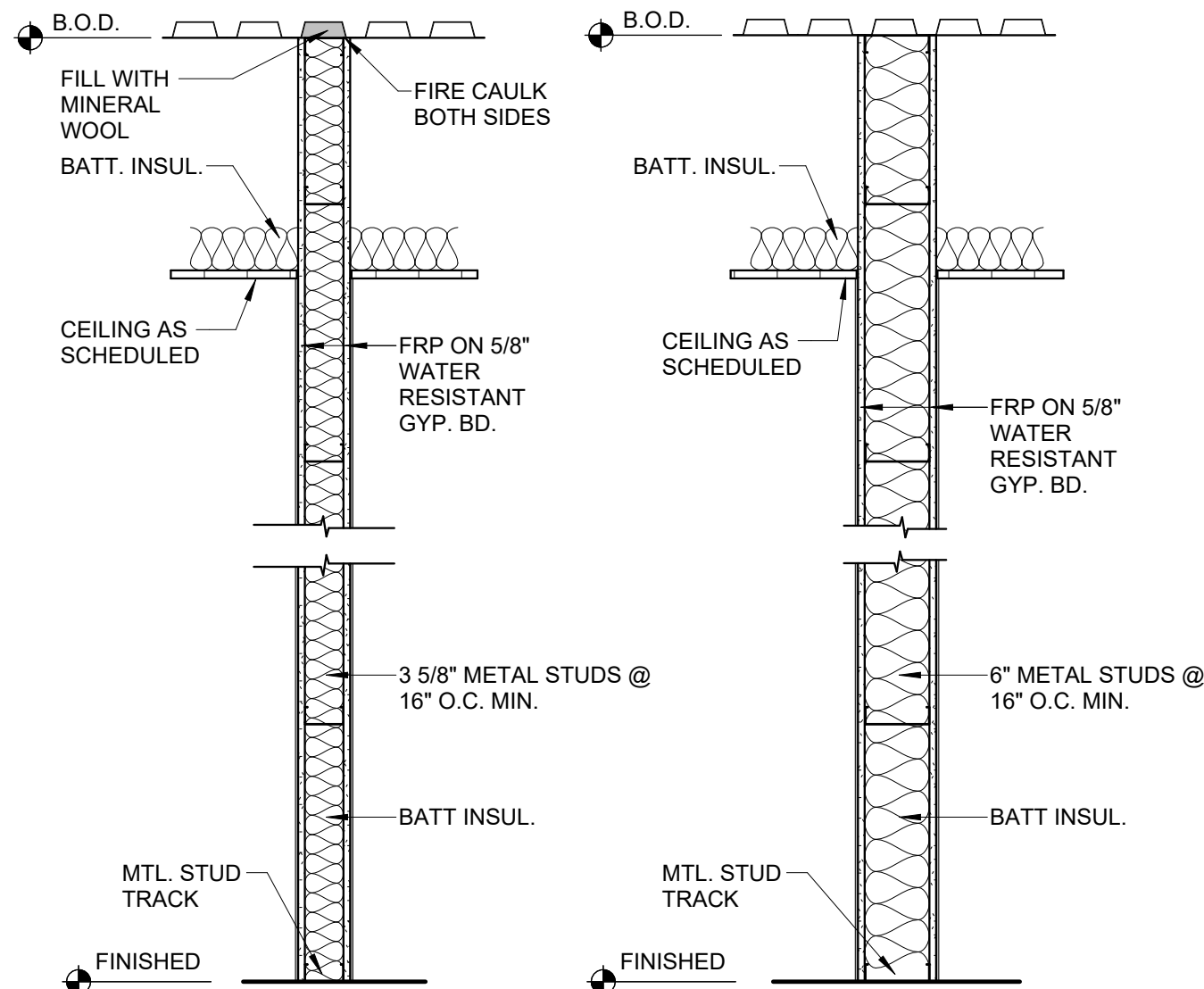
D PARTITION "D"
3/4" = 1'-0"



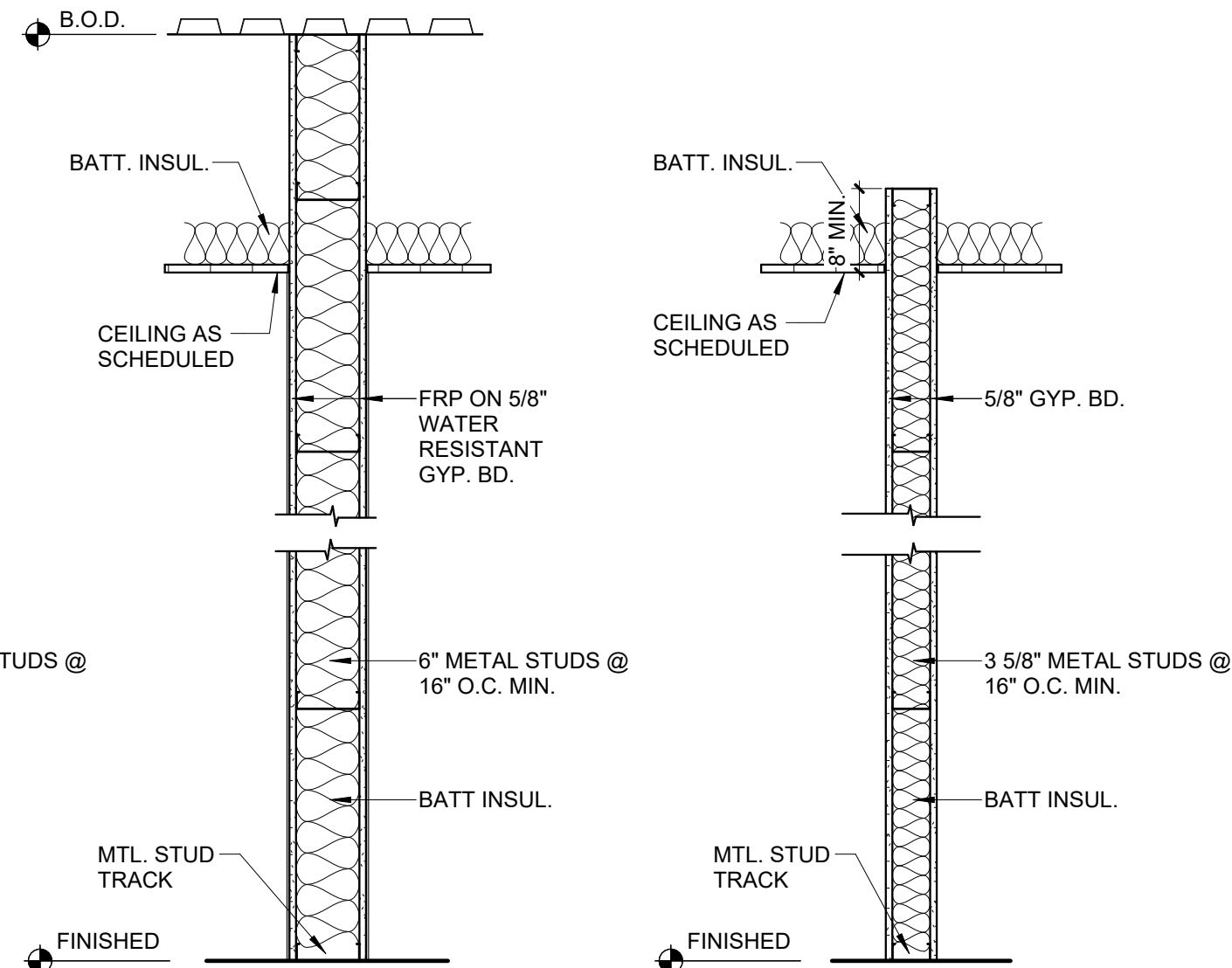
E PARTITION "E"
3/4" = 1'-0"



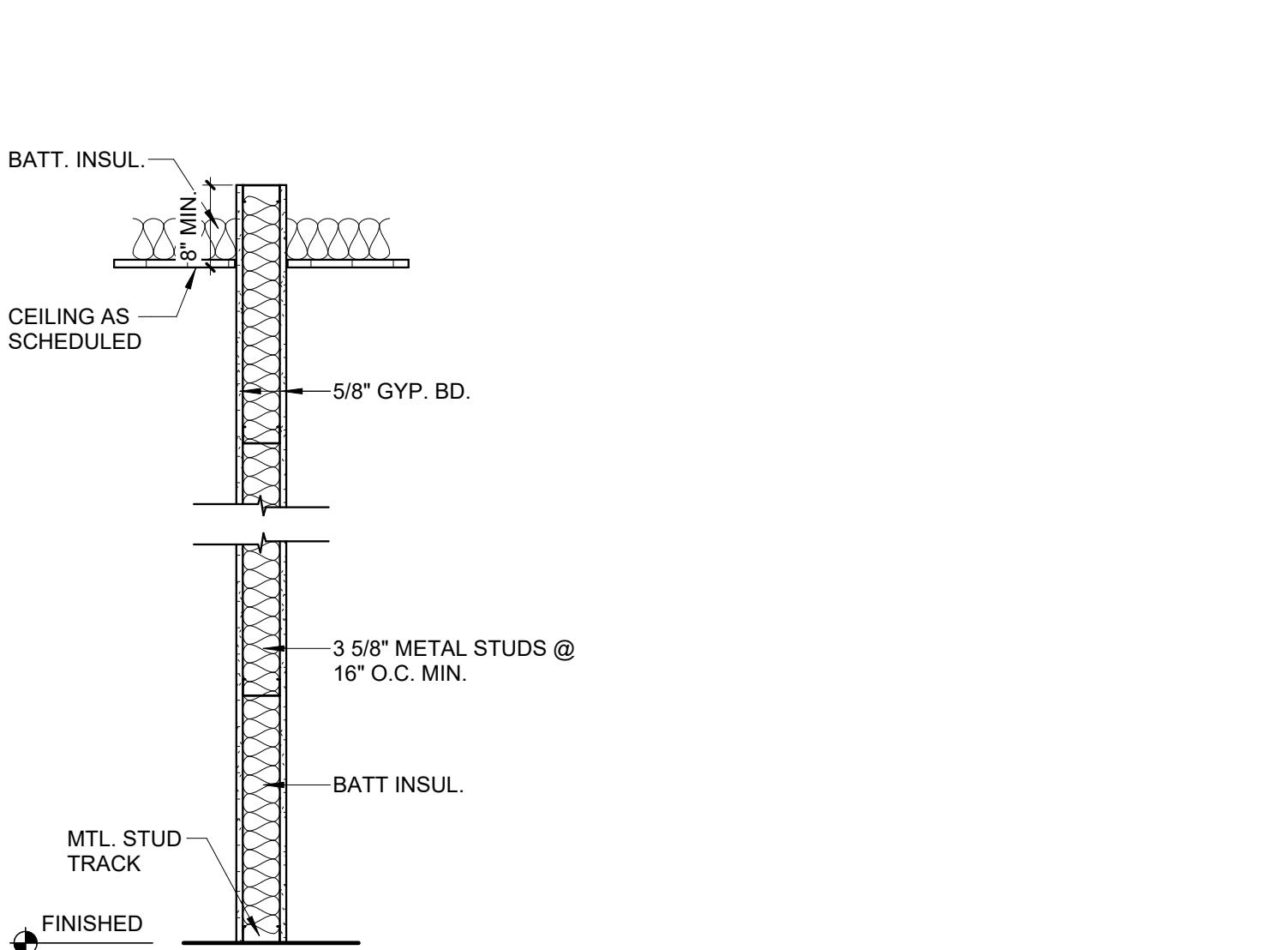
F PARTITION "F"
3/4" = 1'-0"



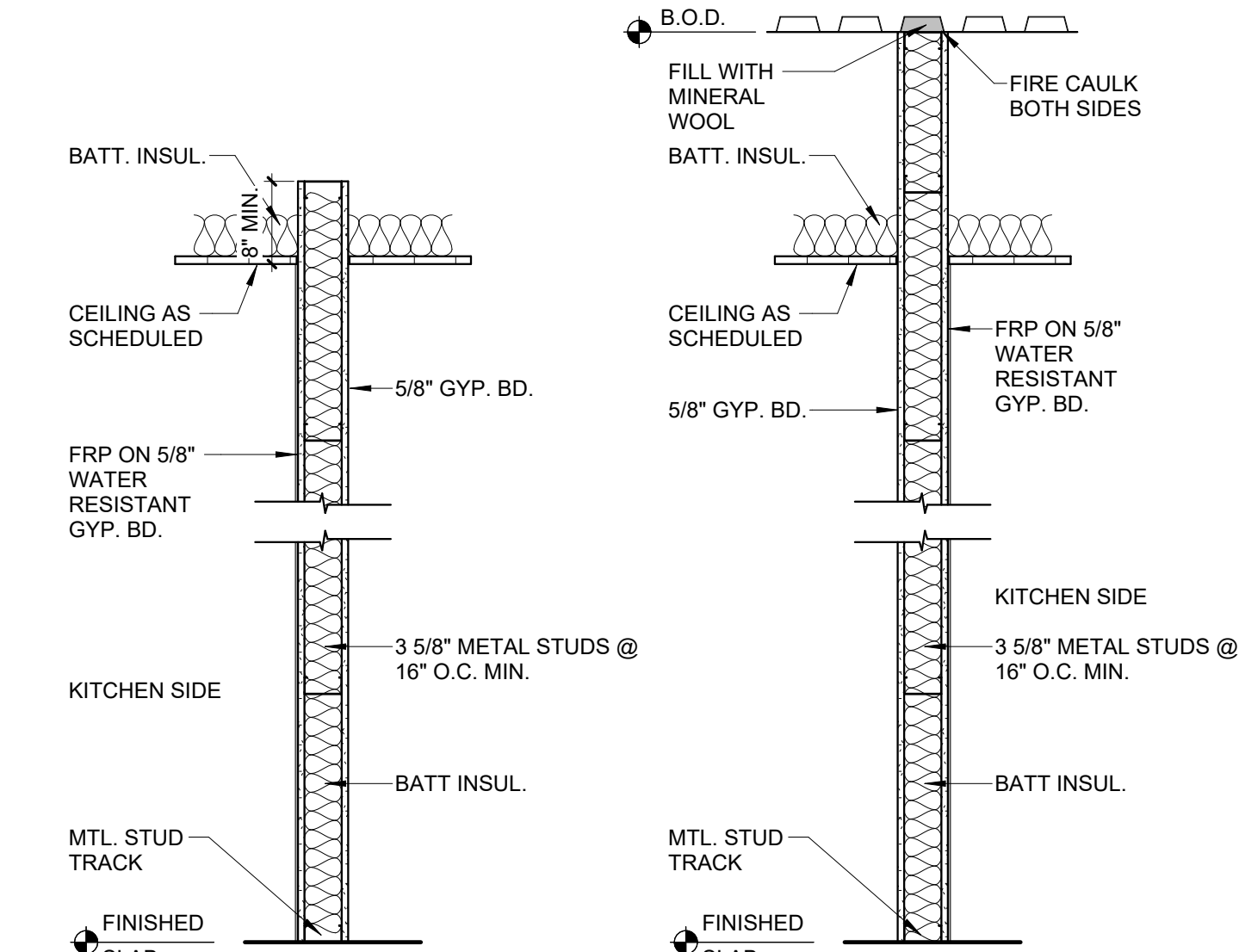
G PARTITION "G"
3/4" = 1'-0"



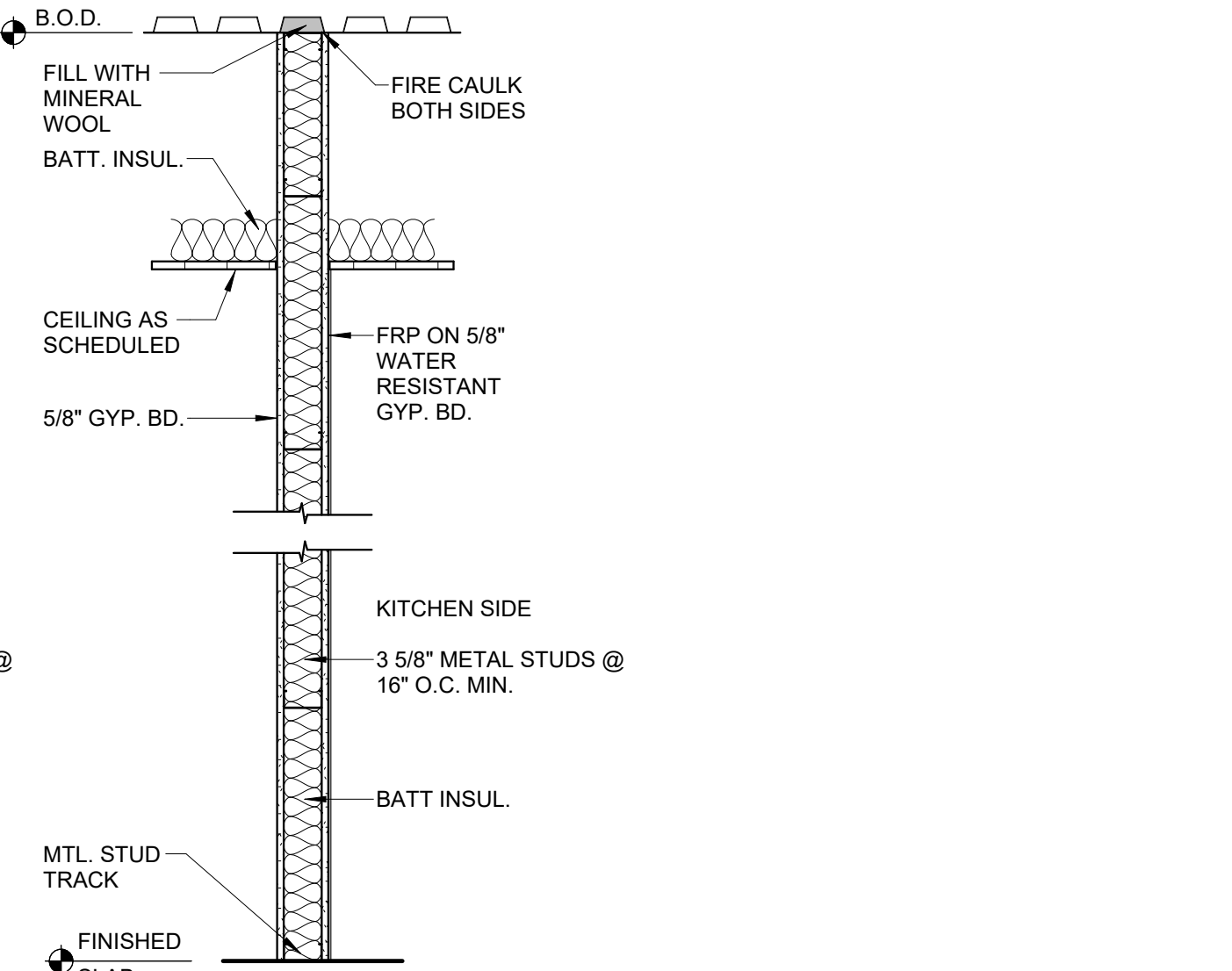
H PARTITION "H"
3/4" = 1'-0"



I PARTITION "I"
3/4" = 1'-0"



J PARTITION "J"
3/4" = 1'-0"



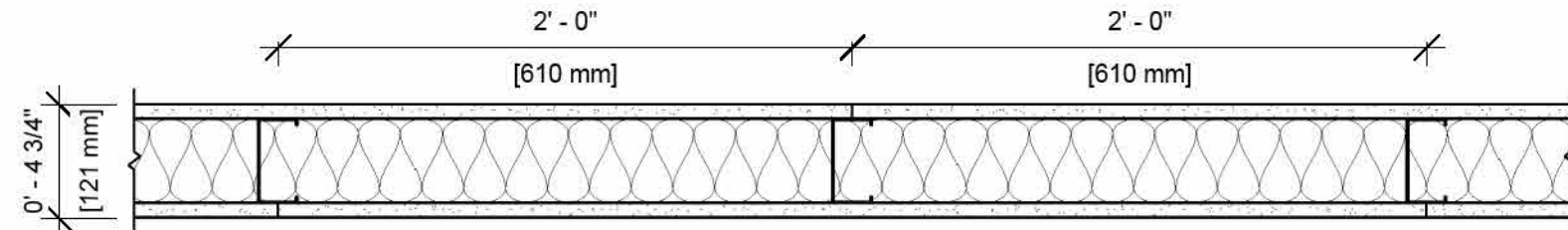
K PARTITION "K"
3/4" = 1'-0"

PARTITION TYPE GENERAL NOTES:

1. WHERE STRUCTURAL SPECIFICATIONS OR DRAWINGS INDICATES HEAVIER GA. STUDS AND/OR CLOSER SPACING, STRUCTURAL SHALL GOVERN.
2. REFER ROOM FINISH SCHEDULE & ALL OTHER DRAWINGS FOR FINISHES, WHICH MAY NOT BE INDICATED ON THE PARTITION TYPE DETAILS.
3. ALL GYP. BD. IN RESTROOM, TOILET ROOMS & JANITOR CLOSETS SHALL BE WATER-RESISTANT GYP. BD. TO 48" A.F.F. PROVIDE MOISTRURE RESISTANT FULL HEIGHT IN LAUNDRY ROOMS.
4. ALL GYP. BD. IN SHOWER ROOMS SHALL BE WATER-RESISTANT GYP. BD. TO FULL HEIGHT OF WALL.
5. PARTITIONS SHALL EXTEND ABOVE CEILING TO HEIGHT INDICATED OR TO BOTTOM OF FLOOR/ROOF DECK, WHICHEVER COMES FIRST.
6. ALL PENETRATIONS IN FIRE RATED WALLS SHALL BE PROPERLY FIRE CAULKED AND FIRE-STOPPED AS REQ'D BY CODE.
7. ALL PENETRATIONS IN SMOKE PARTITIONS SHALL BE PROPERLY CAULKED/SEALED AS REQ'D BY CODE.

UL DESIGN NO. U423; U425 (BEARING WALL)

FIRE RATING: 1 Hour
STC: N/A
SYSTEM THICKNESS: 4 3/4"



ASSEMBLY OPTIONS:

FLOOR/CEILING RUNNERS:

CHANNEL-SHAPED, 3-1/2" MIN. WIDE WITH 1-1/2" MIN. LEGS, FABRICATED FROM NO. 20 GA. MIN. (0.0329" MIN. BARE METAL THICKNESS) CORROSION RESISTANT STEEL. ATTACHED TO FLOOR AND CEILING WITH STEEL FASTENERS SPACED NOT GREATER THAN 24"

GYPSUM BOARD:

ONE LAYER 5/8" THICK GYPSUM BOARD (UL TYPE ULIX™)

STEEL STUDS:

3-1/2" STEEL STUDS, 20 GA. MSG., SPACED 24" O.C.

INSULATION:

3-1/2" KNAUF EcoBatt® INSULATION IN CAVITY

LATERAL SUPPORT MEMBERS:

WHERE REQUIRED FOR LATERAL SUPPORT OF STUDS, SUPPORT MAY BE PROVIDED BY MEANS OF STEEL STRAPS, CHANNELS OR OTHER SIMILAR MEANS AS SPECIFIED IN THE DESIGN OF A PARTICULAR STEEL STUD WALL SYSTEM (NOT SHOWN)

GYPSUM BOARD:

ONE LAYER 5/8" THICK GYPSUM BOARD (UL TYPE ULIX™)

NOTES:

STUD AND INSULATION SIZES ARE MINIMUM UNLESS OTHERWISE STATED IN DESIGN.

FOR THE MOST UP-TO-DATE INFORMATION OR ASSEMBLY OPTIONS, REFER TO THE UL FIRE RESISTANCE DIRECTORY.

UL TYPE ULIX™ REQUIRES THE USE OF INSULATION FOR SINGLE-LAYER, STEEL-FRAMED UL FIRE-RATED ASSEMBLIES.

REFER TO THE UL FIRE RESISTANCE DIRECTORY FOR INFORMATION REGARDING PRODUCT ORIENTATION AND FASTENING REQUIREMENTS.



UL423, U425

ISSUE RECORD:

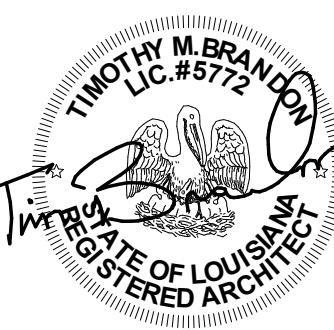
Revision: Date:

SHEET INFORMATION:

SB-P-1-01

TBA STUDIO
ARCHITECTURE
103 Cypress Street
West Monroe, LA 71291
Tel. 318.340.1550
Fax. 318.998.1315
www.tbastudio.com

TBA



LENWIL ELEMENTARY SCHOOL
CAFETERIA RENOVATOIN

112 ARRAnt ROAD
WEST MONROE, LA 71292

DRAWING REVISIONS

No.	Description	Date

DRAWN BY: HT, MU

CHECKED BY: CW

SHEET

LS1.02

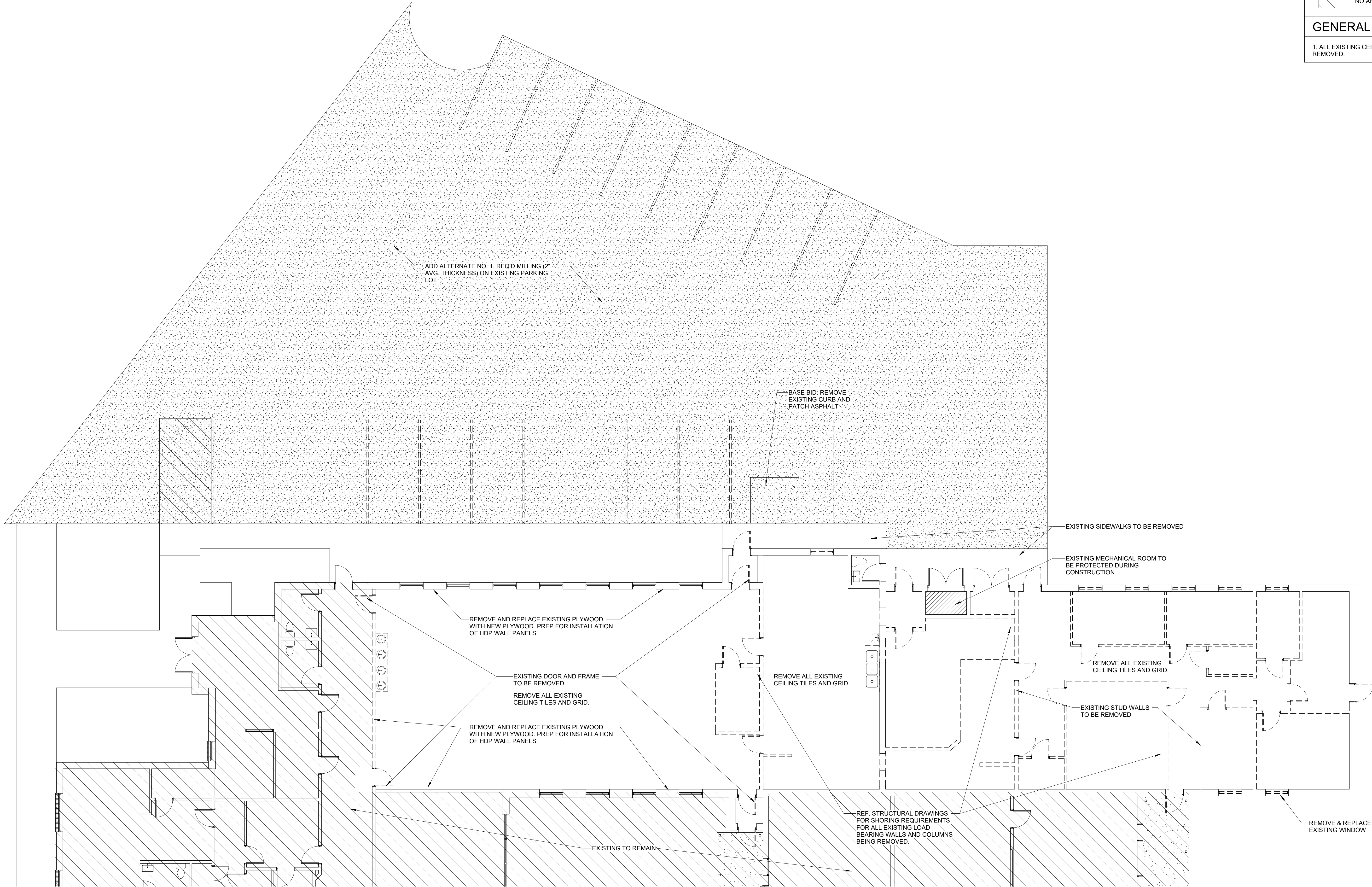
Date: OCTOBER 2025

Project No.: 25-WM0015

File Name:

DESCRIPTION:

PARTITION TYPES



GENERAL LEGEND

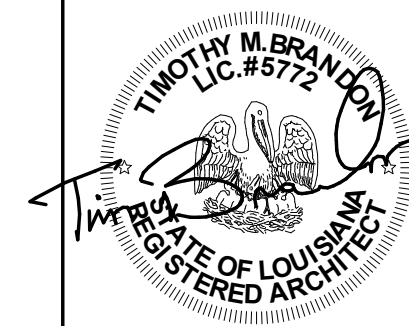
- INDICATES EXISTING WALL TO REMAIN
- INDICATES DEMO
- NO ARCHITECTURAL WORK

GENERAL NOTES

1. ALL EXISTING CEILING TILES AND GRIDS TO BE REMOVED.

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CAFETERIA RENOVATION

112 ARRAnt ROAD
WEST MONROE, LA 71292

DRAWING REVISIONS

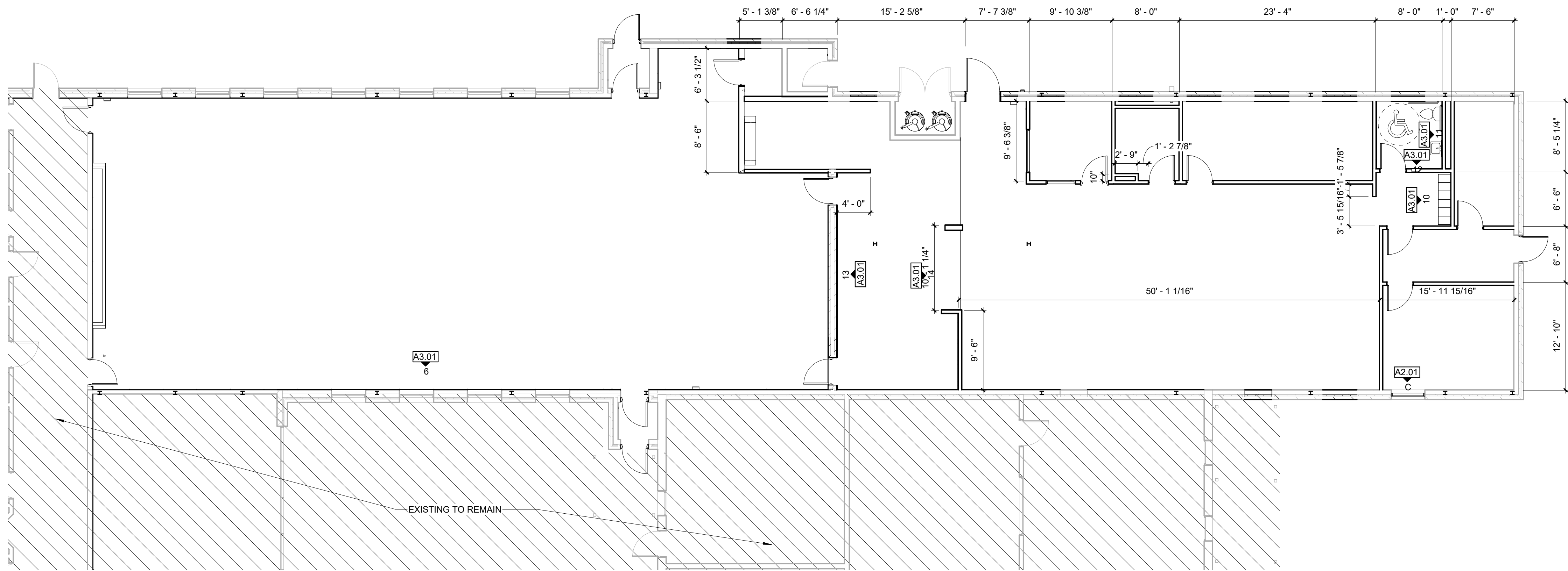
No.	Description	Date

DRAWN BY: HT, MU
CHECKED BY: CW
SHEET

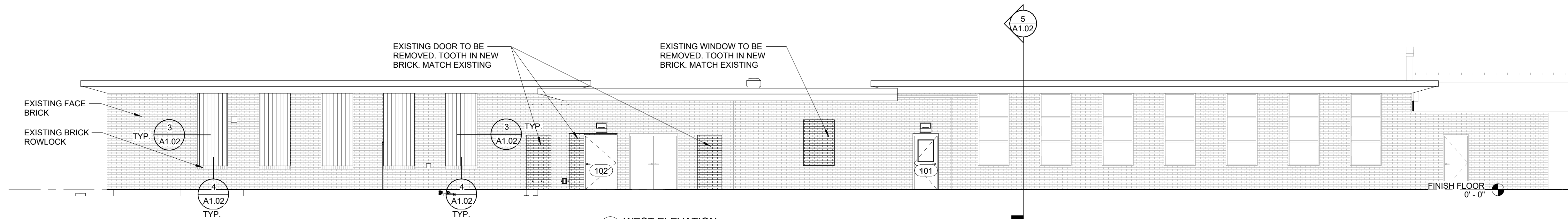
D1.01

Date: OCTOBER 2025
Project No.: 25-WM0015
File Name:
DESCRIPTION:
DEMOLITION PLAN

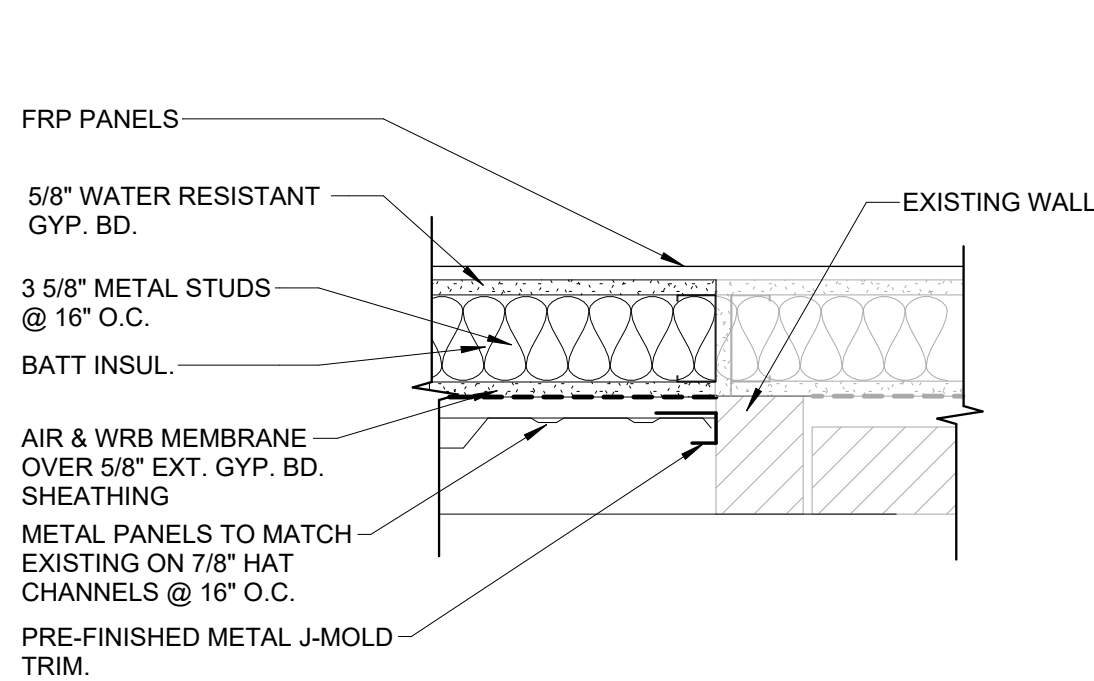
1 DEMOLITION PLAN
1/8" = 1'-0" | RE:2/A1.02



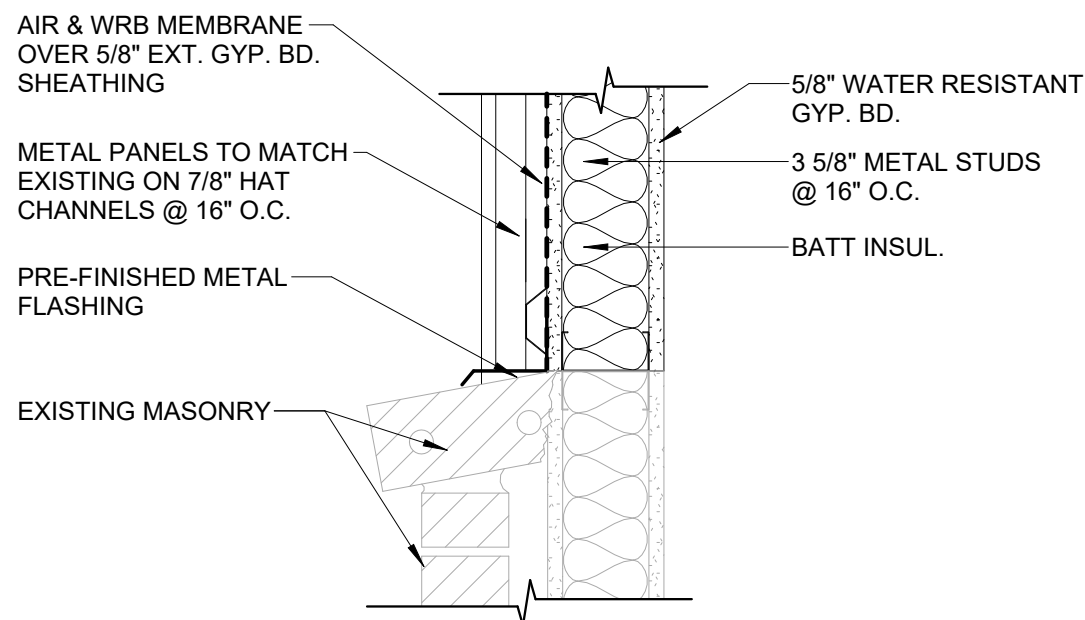
1 1ST FLOOR PLAN DIMENSIONED
1/8" = 1'-0" | RE:2/A1.02



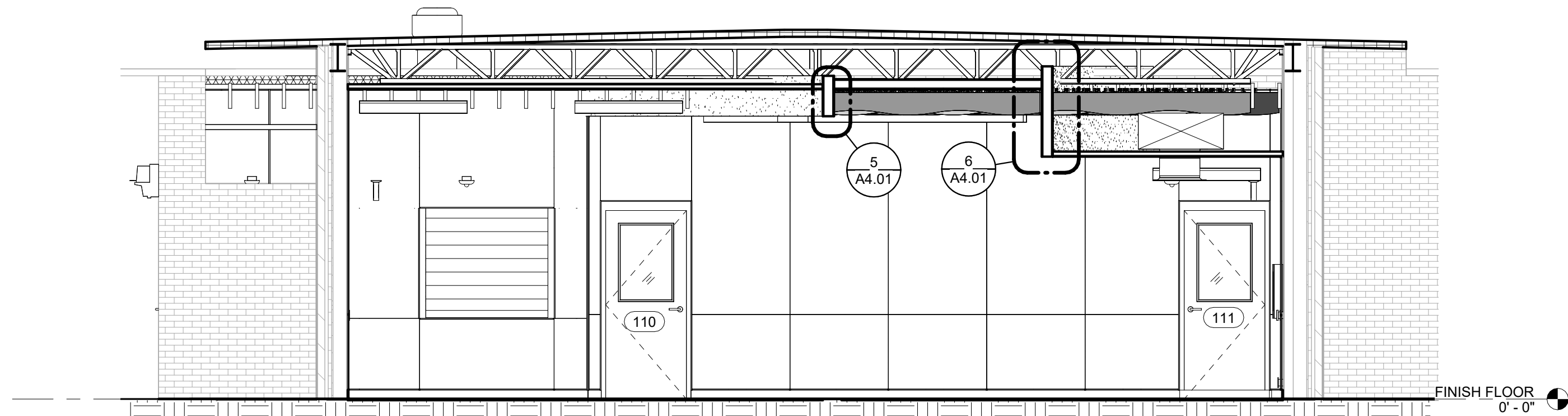
2 WEST ELEVATION
1/8" = 1'-0" | RE:1/A1.01



3 EXISTING WALL INFILL
1 1/2" = 1'-0" | RE:1/A1.01



4 EXISTING WALL INFILL SILL
1 1/2" = 1'-0" | RE:2/A1.02



5 BUILDING SECTION
1/4" = 1'-0" | RE:1/A1.01

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CAFETERIA RENOVATION

112 APRANT ROAD
WEST MONROE, LA 71292

DRAWING REVISIONS

No.	Description	Date

DRAWN BY: HT, MU
CHECKED BY: CW
SHEET

A1.02

Date: OCTOBER 2025
Project No.: 25-WM0015
File Name:

DESCRIPTION:
1ST FLOOR
DIMENSIONED
PLAN

EXISTING ROOFS

R1 - ROOF 1
EXISTING MODIFIED-BITUMEN ON PLYISO OVER 2.25" PERLITE OVER WOOD DECK. Min. THICKNESS 2.5" & 8" Max. THICKNESS ABOVE DECK.
OVERLAY 1/2" COVERBOARD TO BE MECHANICALLY FASTENED.
FULLY-ADHERE 60mil. PVC MEMBRANE TO NEW COVERBOARD.

R2 - ROOF 2
EXISTING MODIFIED-BITUMEN ON PLYISO OVER 1.5" PERLITE OVER WOOD DECK. Min. THICKNESS 1.75" & 12.25" Max. THICKNESS ABOVE DECK.
OVERLAY 1/2" COVERBOARD TO BE MECHANICALLY FASTENED.
FULLY-ADHERE 60mil. PVC MEMBRANE TO COVERBOARD.

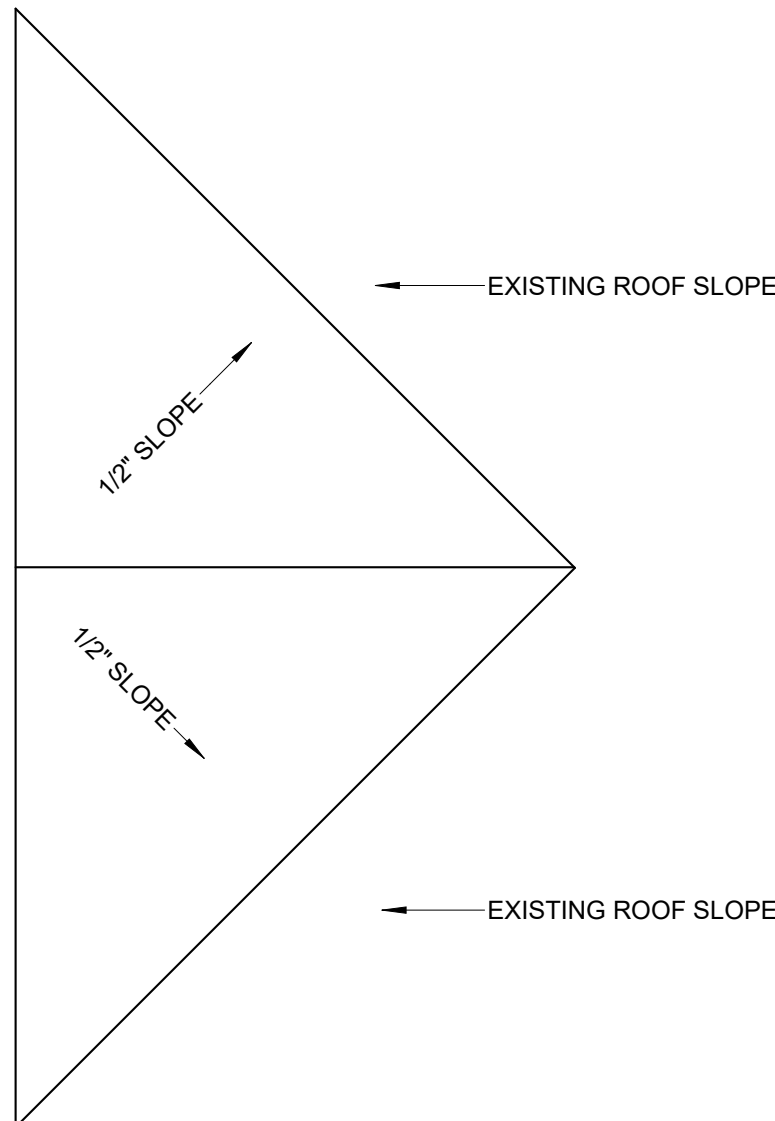
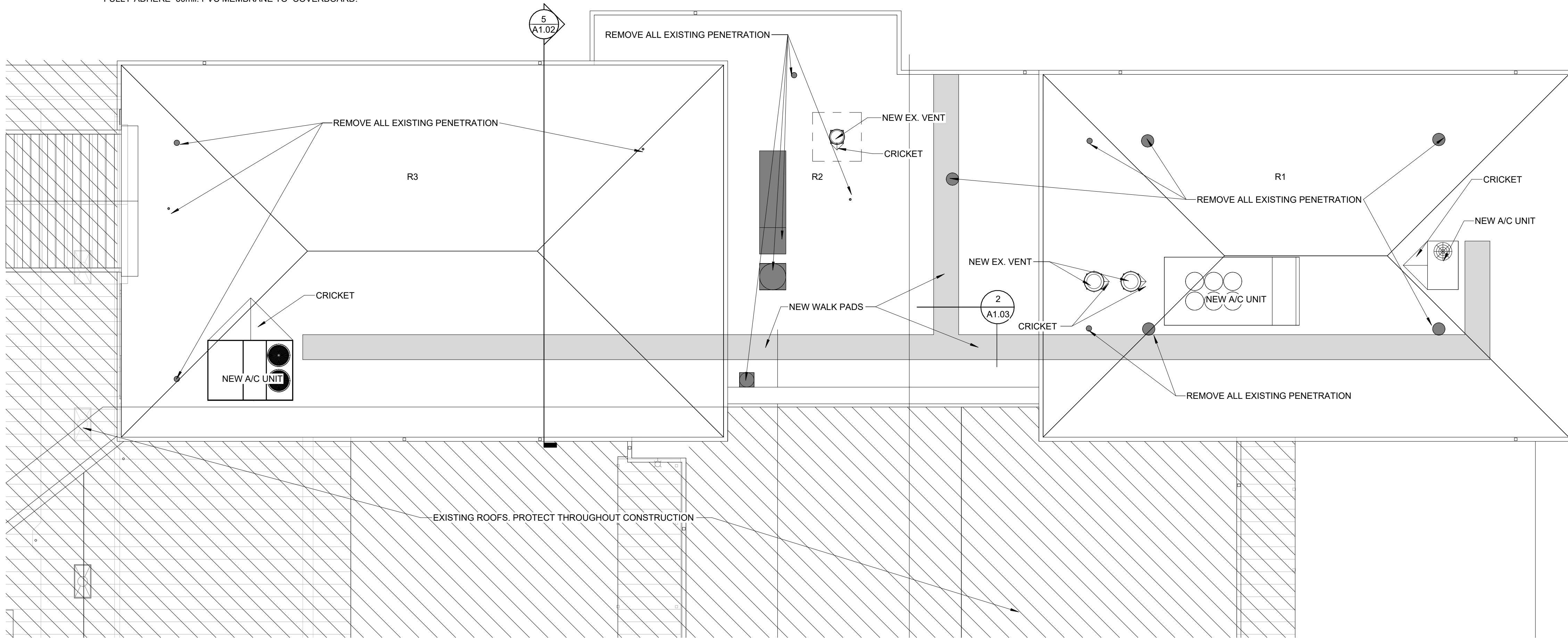
R3 - ROOF 3
EXISTING MODIFIED-BITUMEN ON PLYISO OVER 1.5" PERLITE OVER WOOD DECK. Min. THICKNESS 1.75" & 7.5" Max. THICKNESS ABOVE DECK.
OVERLAY 1/2" COVERBOARD TO BE MECHANICALLY FASTENED.
FULLY-ADHERE 60mil. PVC MEMBRANE TO COVERBOARD.

NOTE:
ALL EXISTING ROOFING MEMBRANE AREAS DISTURBED BY THE WORK SHALL BE PATCHED, REPAIRED, AND REINSTATED IN STRICT ACCORDANCE WITH THE ROOFING MANUFACTURER'S WRITTEN INSTRUCTIONS AND WARRANTY REQUIREMENTS. THE CONTRACTOR SHALL VERIFY THE EXISTING WARRANTY CONDITIONS IN THE FIELD, SUBMIT THE MANUFACTURER'S PATCHING DETAILS, PRODUCT DATA, AND CERTIFIED INSTALLER INFORMATION TO THE ARCHITECT FOR REVIEW PRIOR TO STARTING THE WORK. AND USE ONLY MANUFACTURER-APPROVED MATERIALS AND METHODS.

REMOVE ALL EXISTING PENETRATION, VENTS AND EXHAUST FAN AT ARE TO BE ABANDONED. VERIFY WITH MECHANICAL.

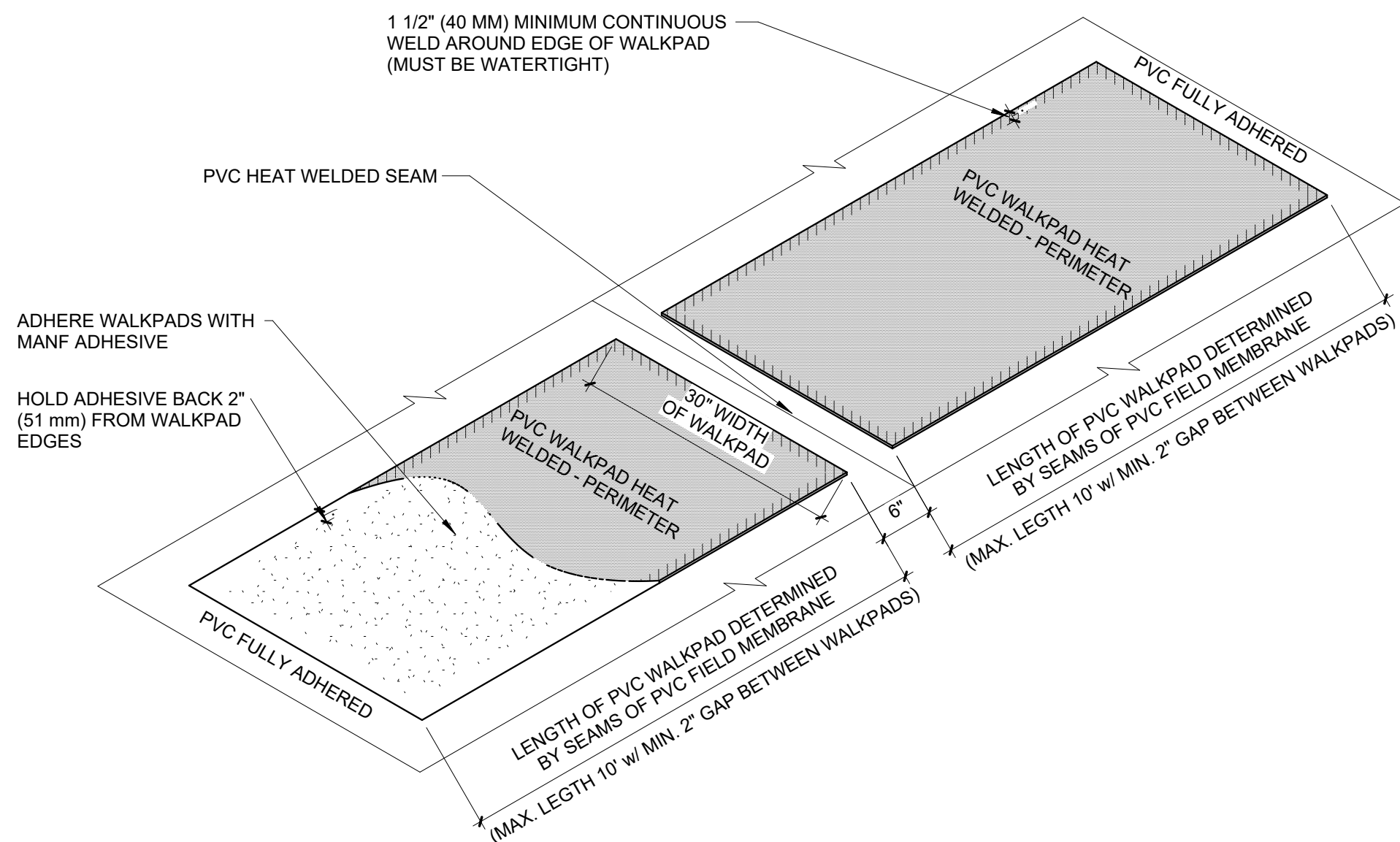
VERIFY ALL NEW PENETRATION, VENTS AND A/C UNITS WITH MECHANICAL DRAWINGS.

GC SHALL BE RESPONSIBLE FOR PATCH EXISTING ROOF AT ALL EXISTING PENETRATIONS THAT ARE CALLED TO BE REMOVED. COORDINATE WITH MEP DRAWINGS . FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BIDDING. ROOF WARRANTY SHALL BE MAINTAINED.



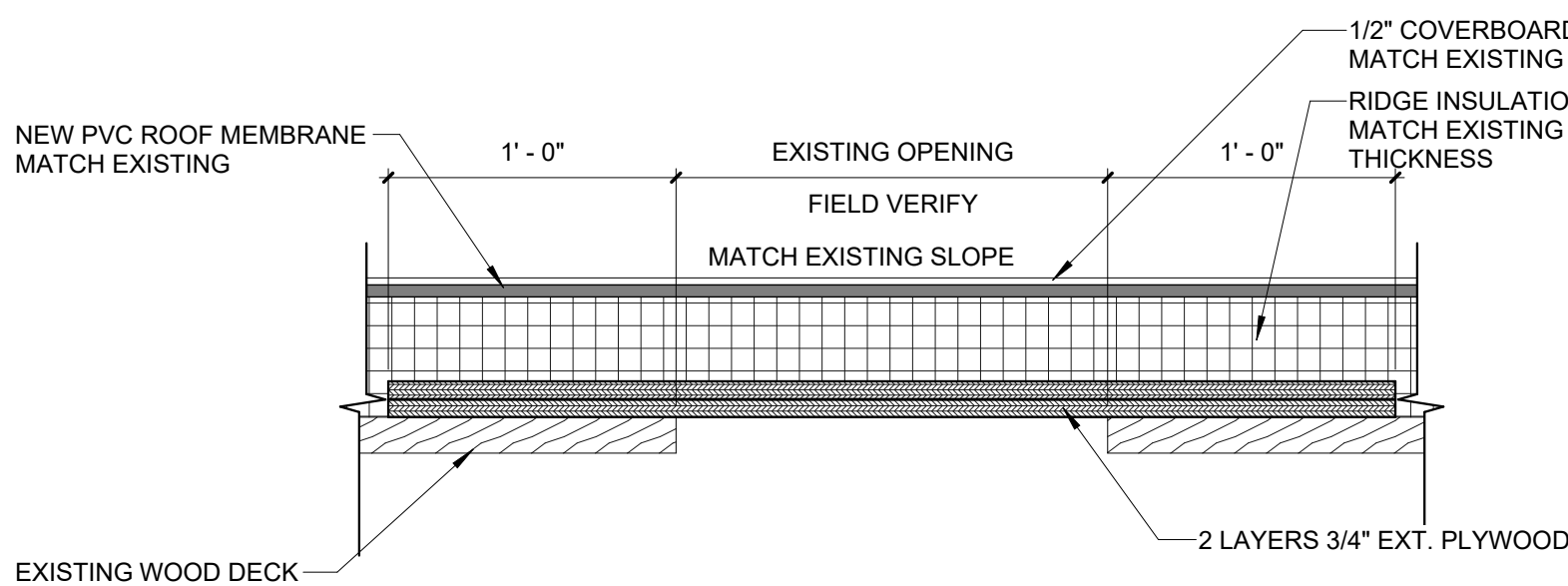
8 TYPICAL CRICKET
1/4" = 1'-0"

1 ROOF PLAN
1/8" = 1'-0"

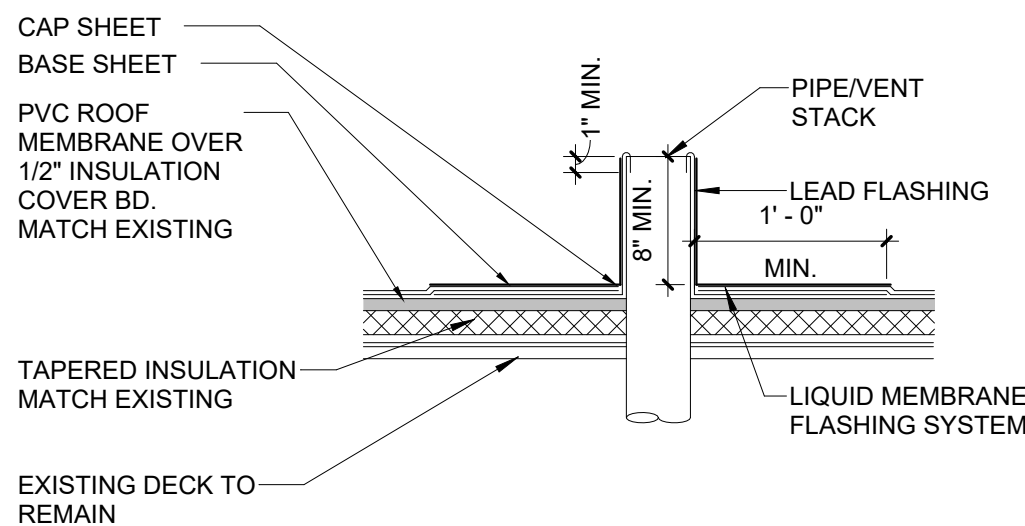


- NOTES:
- PVC EDGE SEALANT IS REQUIRED ON ALL CUT OR NON-ENCAPSULATED EDGES OF REINFORCED MEMBRANE. THIS INCLUDES FACTORY CUT MEMBRANE (SEE DETAIL T-MS-01).
 - CLEAN MEMBRANE SURFACE PRIOR TO WALKPAD INSTALLATION WITH PVC MEMBRANE CLEANER.
 - DO NOT INSTALL WALKPADS OVER MEMBRANE SEAMS.
 - APPROVED ADHESIVES FOR ADHERING PVC WALKPADS ARE LVOC MEMBRANE ADHESIVE (PVC & EPDM), MEMBRANE BONDING ADHESIVE (PVC & EPDM) AND PVC WATER BASED MEMBRANE ADHESIVE.

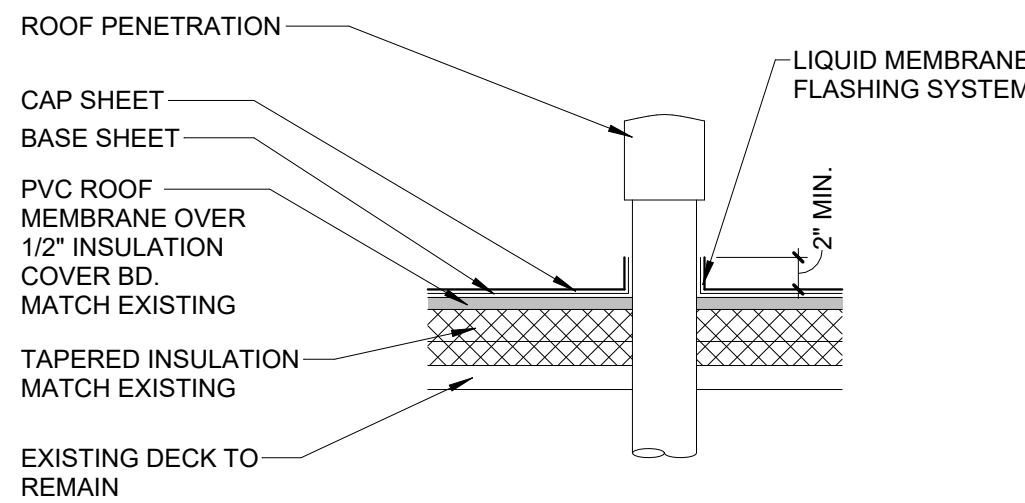
2 WALKPAD DETAIL
3/4" = 1'-0" | RE:1/A1.03



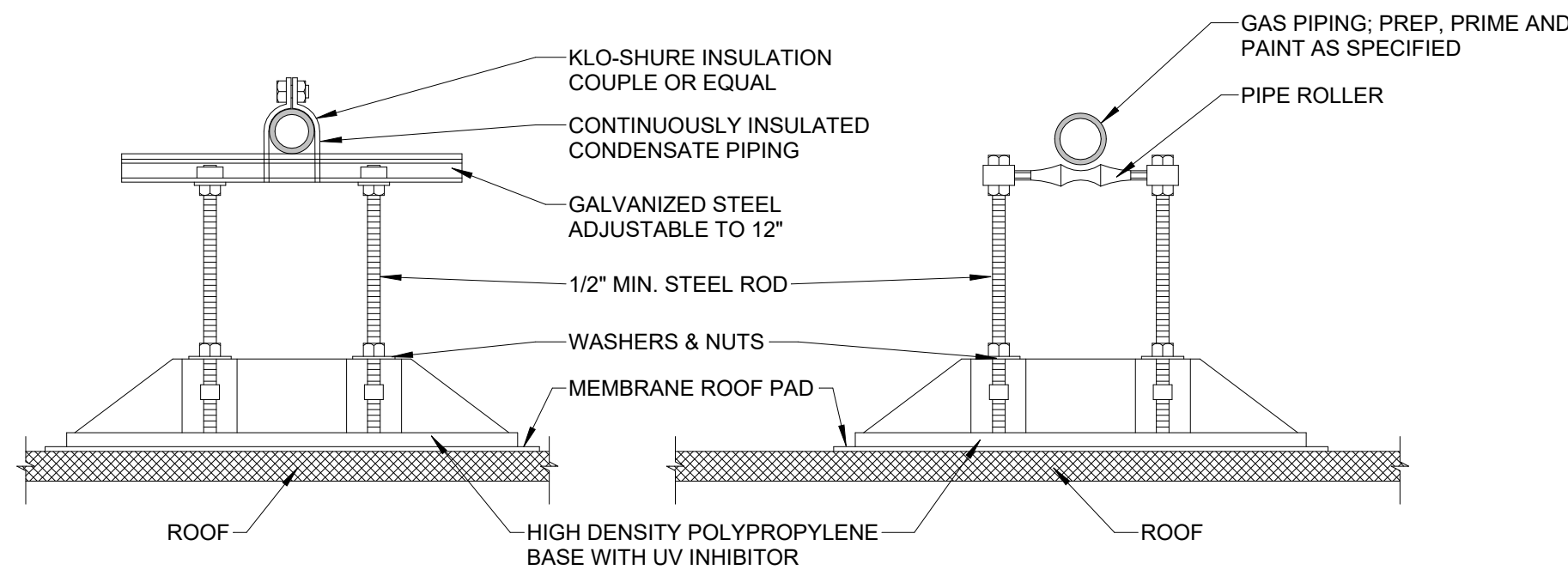
3 EXISTING OPENING INFILL
1 1/2" = 1'-0"



4 VENT PIPE TYP.
1" = 1'-0"

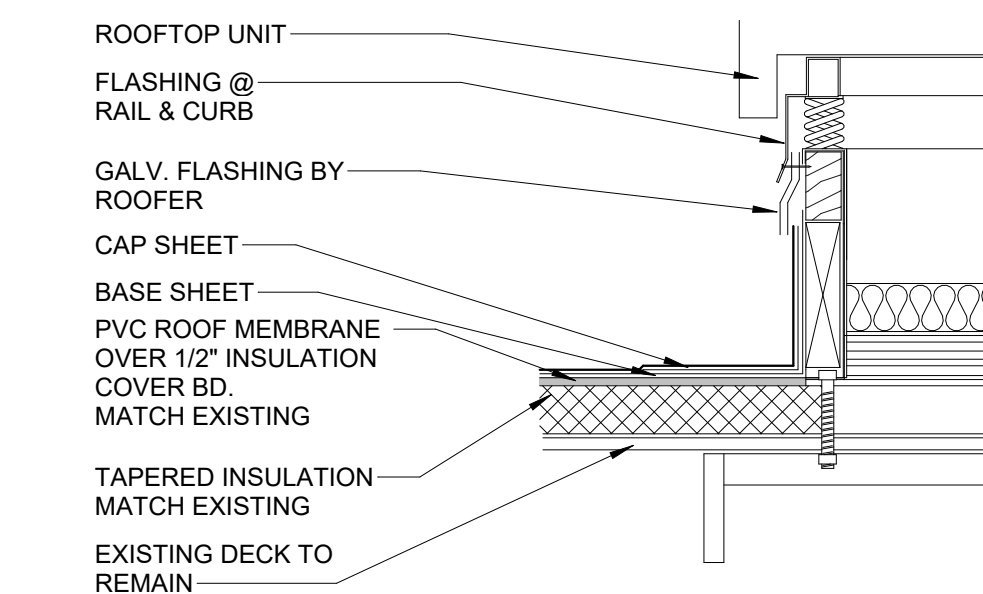


5 PENETRATION DETAIL
1" = 1'-0"



- NOTES:
- PROVIDE ROOF PAD AS RECOMMENDED BY ROOFING MANUFACTURER.
 - PIPE SUPPORT SHALL BE PORTABLE PIPE HANGERS, INC. MODEL SS-8C FOR CONDENSATE PIPING & SS-8R FOR GAS PIPING OR APPROVED EQUAL.
 - ALL METAL RODS, WASHERS, NUTS, BOLTS, CLAMPS, ETC. SHALL BE HOT DIPPED GALVANIZED (ASTM A123).
 - SUPPORTS SIZED AND SPACE AS NOTED.
 - MINIMUM BASE SIZE IS 10"x16".
 - PIPE SIZES 2-1/2" AND SMALLER COMBINED ON SAME BASE.

6 PIPE SUPPORT
3/8" = 1'-0"



7 ROOF CURB DETAIL
1" = 1'-0"

DRAWING REVISIONS

No.	Description	Date

DRAWN BY: HT, MU

CHECKED BY: CW

SHEET

A1.03

Date: OCTOBER 2025

Project No.: 25-WM0015

File Name:

DESCRIPTION:

ROOF PLAN &
DETAILS

Room Finish Schedule										
NUMBER	ROOM NAME	FLOOR	BASE	WALLS (FOR CLARITY: PLAN NORTH IS BEING UTILIZED)				CEILING TYPE	CEILING HT.	
				NORTH	EAST	SOUTH	WEST			
101	DINING	RB-1, RB-2, RB-3	RB-1	HDP-1 THRU 8	HDP-9, PNT-2	HDP-1 THRU 8	HDP-1 THRU 10	ACT-1, GYP, ACB	VARIES	
102	KITCHEN	QT-1	QTB	FRP-1	FRP-1	FRP-1	FRP-1	ACT-2	10'-0"	
103	OFFICE	QT-1	QTB	FRP-1	FRP-1	FRP-1	FRP-1	ACT-1	10'-0"	
104	LAUNDRY	QT-1	QTB	FRP-1	FRP-1	FRP-1	FRP-1	ACT-2	10'-0"	
105	DRY FOOD STORAGE	QT-1	QTB	FRP-1	FRP-1	FRP-1	FRP-1	ACT-1	10'-0"	
106	RESTROOM	PFT-1	PWT-1	PWT-1	PWT-1	PWT-1	PWT-1	ACT-2	10'-0"	
107	STORAGE	VCT-1	RB-2	PNT-1	PNT-1	PNT-1	PNT-1	ACT-1	10'-0"	
108	CORRIDOR	VCT-1	RB-2	PNT-1	PNT-1	PNT-1	PNT-1	ACT-1	10'-0"	
109	OFFICE	VCT-1	RB-2	PNT-1	PNT-1	PNT-1	PNT-1	ACT-1	10'-0"	
110	SERVING LINE	QT-1	QTB	FRP-1	FRP-2	FRP-2	FRP-2	ACT-2	9'-0"	
111	SUPPLY	RB-3	RB-1	FRP-1	FRP-1	FRP-1	FRP-1	ACT-1	10'-0"	
112	RESTROOM	PFT-1	PWT-1	PWT-1	PWT-1	PWT-1	PWT-1	ACT-2	9'-0"	
113	MEP	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	

Grand total: 13

FINISHES				GENERAL NOTES
FLOORS - REFERENCE FLOOR PATTERN PLAN		WALLS		1. ALL FINISH COLORS ARE TO BE APPROVED BY OWNER AND ARCHITECT ONCE PHYSICAL SAMPLES ARE RECEIVED FROM CONTRACTOR FOR EVERY MATERIAL IN THE PROJECT. EVERY MATERIAL COLOR IN THE PROJECT WILL BE APPROVED AT ONE TIME. THE CONTRACTOR'S DELAY IN PROVIDING ALL SUBMITAL SAMPLES FOR REVIEW AND APPROVAL WILL NOT CONSTITUTE AN EXTENSION OF PROJECT TIME. THE ARCHITECT WILL NOT APPROVE ONE COLOR WITHOUT ALL MATERIAL SAMPLES FOR CONSIDERATION. A COLOR BOARD WILL BE PRODUCED FOR THE OWNER TO APPROVE ALL COLORS AT ONE TIME. 2. ALL EXPOSED STRUCTURAL STEEL AT WALLS & CEILINGS ARE TO BE PAINTED. SEE SPECS. 3. ALL WALLS IN KITCHEN TO HAVE WATER RESISTANT GYP. BD.
QT-1	QUARRY TILE - SEE SPECIFICATIONS	GYP 1	5/8" GYPSUM BOARD - TAPE, FLOAT, AND PAINT - SEE SPECIFICATIONS	
RB	RUBBER FLOOR TILE - SEE SPECIFICATIONS	FRP	FIBERGLASS REINFORCED PANEL - SEE SPECIFICATIONS	
PFT-1	PROCELAIN FLOOR TILE - SEE SPECIFICATIONS	PWT-1	PORCELAIN WALL TILE 1 - SEE SPECIFICATIONS	
BASE		STF	STOREFRONT - SEE SPECIFICATIONS	
RB	4" RUBBER BASE - SEE SPECIFICATIONS	HDP-1	HIGH DENSITY PANEL - COLOR 1 - SEE SPECIFICATIONS	
QTB	QUARRY TILE BASE - SEE SPECIFICATIONS	HDP-2	HIGH DENSITY PANEL - COLOR 2 - SEE SPECIFICATIONS	
		HDP-3	HIGH DENSITY PANEL - COLOR 3 - SEE SPECIFICATIONS	
		HDP-4	HIGH DENSITY PANEL - COLOR 4 - SEE SPECIFICATIONS	
		HDP-5	HIGH DENSITY PANEL - COLOR 5 - SEE SPECIFICATIONS	
		HDP-6	HIGH DENSITY PANEL - COLOR 6 - SEE SPECIFICATIONS	
		HDP-7	HIGH DENSITY PANEL - COLOR 7 - SEE SPECIFICATIONS	
		HDP-8	HIGH DENSITY PANEL - COLOR 8 - SEE SPECIFICATIONS	
		HDP-9	HIGH DENSITY PANEL - CUSTOM GRAPHIC - SEE SPECIFICATIONS	
		HDP-10	HIGH DENSITY PANEL - CUSTOM GRAPHIC - SEE SPECIFICATIONS	

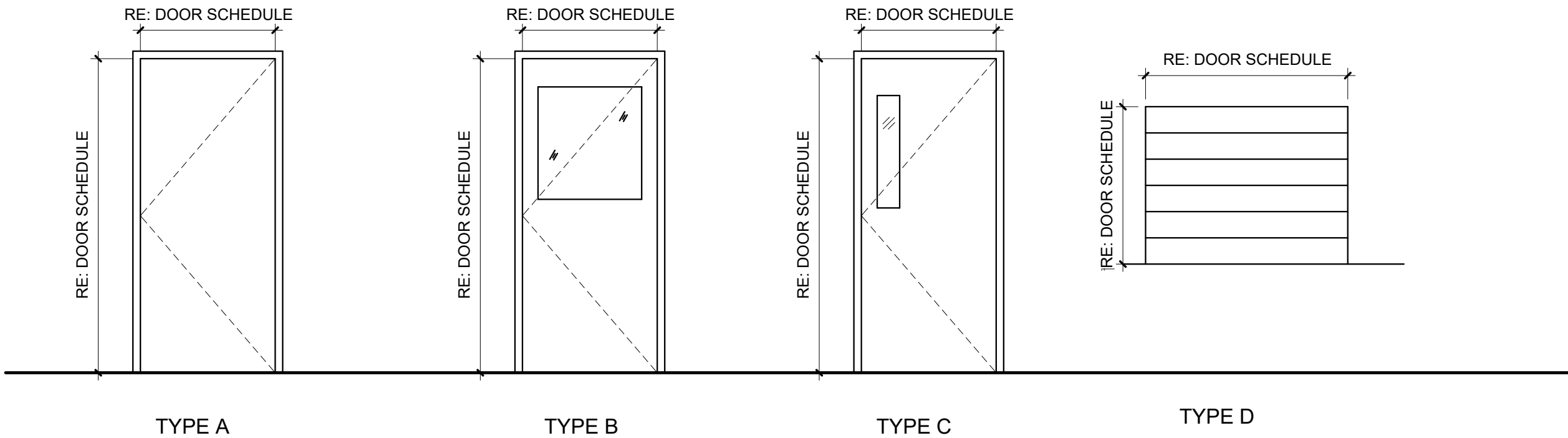
GENERAL NOTES

- ALL DOORS IN SMOKE PARTITIONS, SMOKE BARRIERS & FIRE WALLS SHALL BE PROVIDED WITH DOOR CLOSERS AND SHALL NOT BE UNDERCUT. CLEARANCE FOR DOOR OPERATION SHALL BE 1/8" MAX.
- ALL DOORS IN 1 HOUR RATED WALLS SHALL BE 45 MIN. RATED.
- INSTALL SEALANT AROUND PERIMETER ON ALL EXTERIOR OPENINGS WHERE RECOMMENDED BY MANUFACTURER.
- ALL CMU BOND BEAMS BY STRUCTURAL ENGINEER. VERIFY IF SINGLE AND DOUBLE BOND BEAMS.
- SEE HARDWARE SCHEDULE FOR MORE INFORMATION.

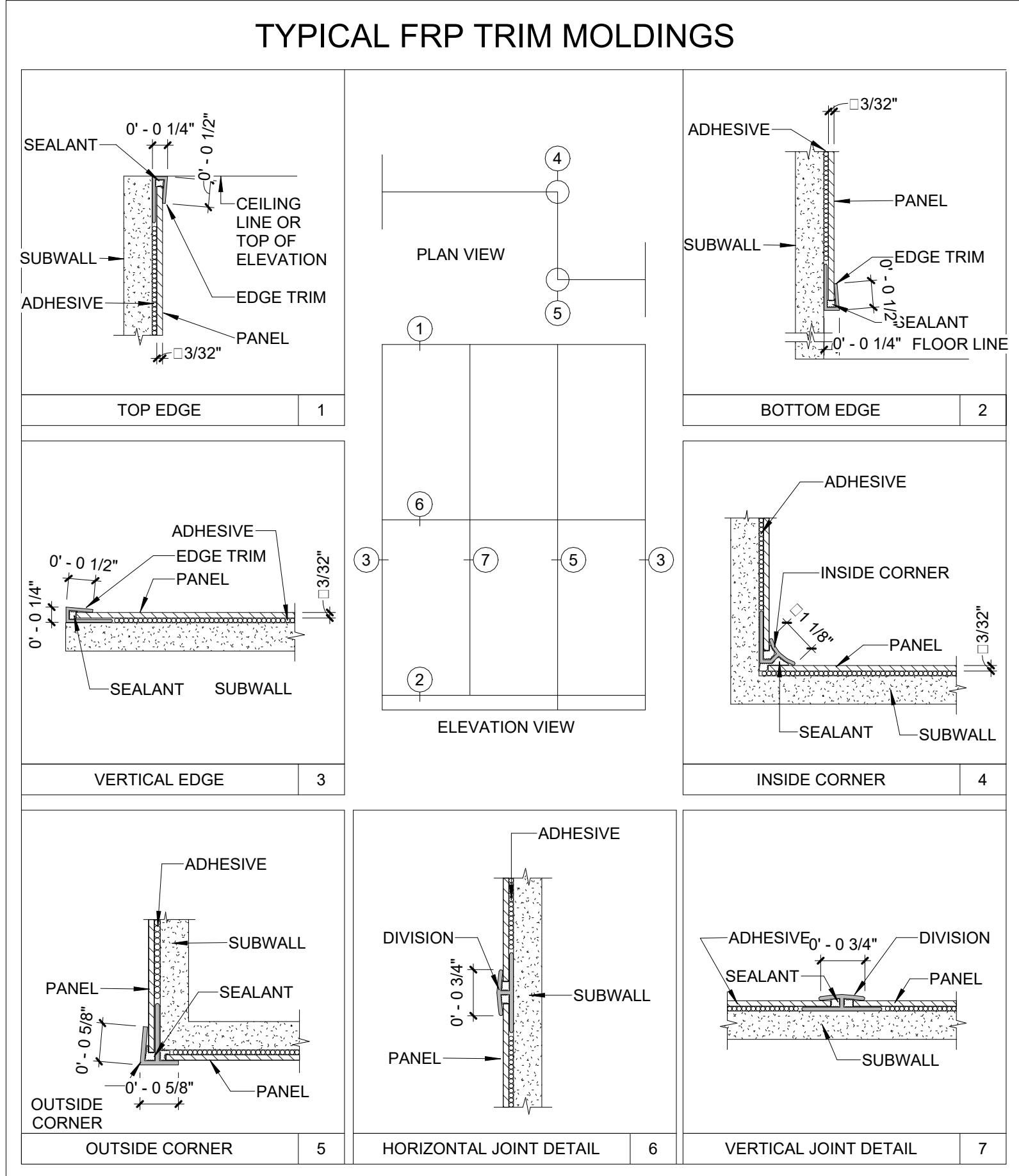
Door Schedule

MARK	WIDTH	HEIGHT	DOOR MATERIAL	FRAME MATERIAL	DETAIL		ELEV.	FIRE RATING	NOTES
					JAMB	HEAD			
101	3' - 0"	7' - 0"	H.M.	H.M.	4/A2.01	5/A2.01	B		EXTERIOR DOOR
102	4' - 0"	7' - 0"	H.M.	H.M.	4/A2.01	5/A2.01	A		EXTERIOR DOOR
103	3' - 0"	7' - 0"	H.M.	H.M.	4/A2.01	5/A2.01	C		EXTERIOR DOOR
104	3' - 0"	7' - 0"	H.M.	H.M.	4/A2.01	5/A2.01	B		EXTERIOR DOOR
105	3' - 0"	7' - 0"	H.M.	H.M.	4/A2.01	5/A2.01	B		
106	3' - 0"	7' - 0"	H.M.	H.M.	6/A2.01	7/A2.01	B		
107	3' - 0"	7' - 0"	H.M.	H.M.	6/A2.01	7/A2.01	B		
108	3' - 0"	7' - 0"	H.M.	H.M.	4/A2.01	5/A2.01	B		
109	4' - 6"	4' - 0"	STEEL	STEEL	11/A2.01	12/A2.01	D		COUNTERTOP ROLL-UP DOOR
110	3' - 0"	7' - 0"	H.M.	H.M.	8/A2.01	9/A2.01	B		
111	3' - 0"	7' - 0"	H.M.	H.M.	8/A2.01	9/A2.01	B		
112	3' - 0"	7' - 0"	H.M.	H.M.	13/A2.01	14/A2.01	C		
113	3' - 0"	7' - 0"	H.M.	H.M.	13/A2.01	14/A2.01	A	20 MIN.	
114	3' - 0"	7' - 0"	H.M.	H.M.	13/A2.01	14/A2.01	A		
115	3' - 0"	7' - 0"	H.M.	H.M.	15/A2.01	16/A2.01	A		
116	3' - 0"	7' - 0"	H.M.	H.M.	13/A2.01	14/A2.01	C		
117	3' - 0"	7' - 0"	H.M.	H.M.	13/A2.01	14/A2.01	A		
118	3' - 0"	7' - 0"	H.M.	H.M.	13/A2.01	14/A2.01	A	20 MIN.	
119	3' - 0"	7' - 0"	H.M.	H.M.	13/A2.01	14/A2.01	A		

Grand total: 19

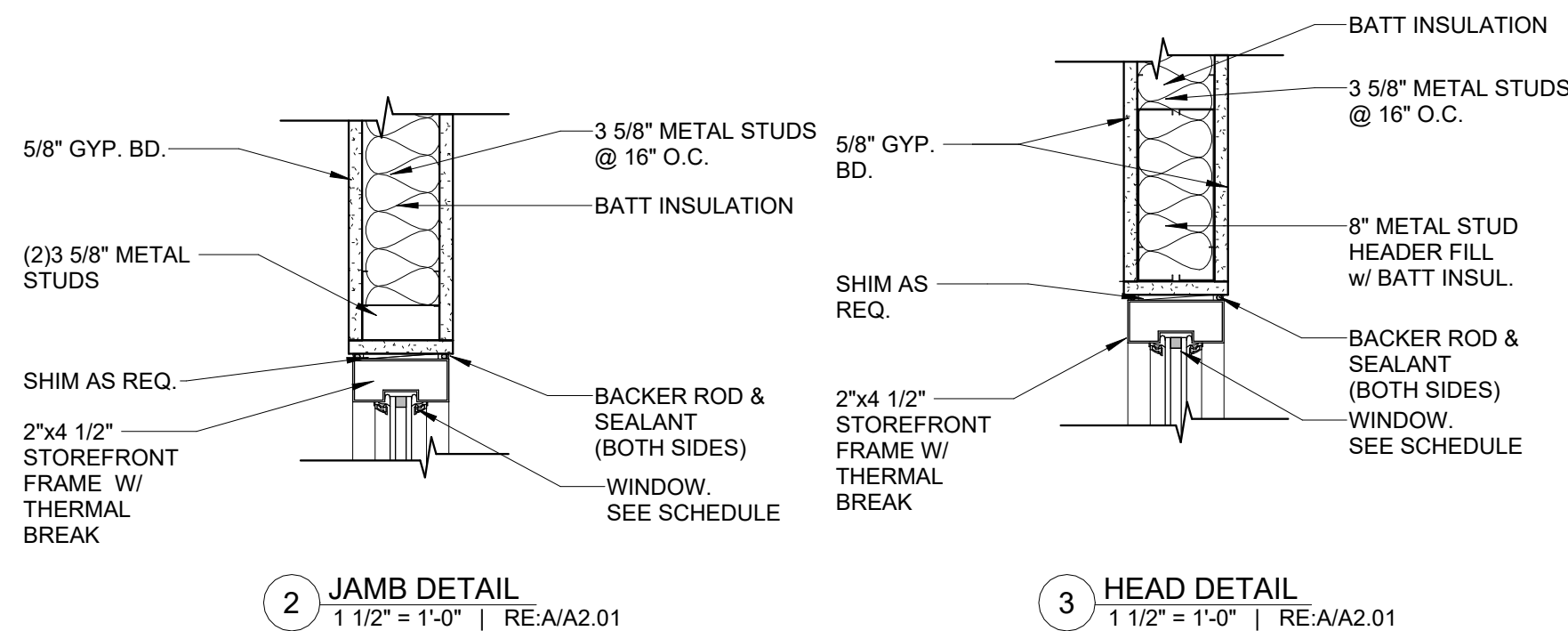


DOOR ELEVATIONS



1 TYPICAL FRP TRIM MOLDINGS
6" = 1'-0"

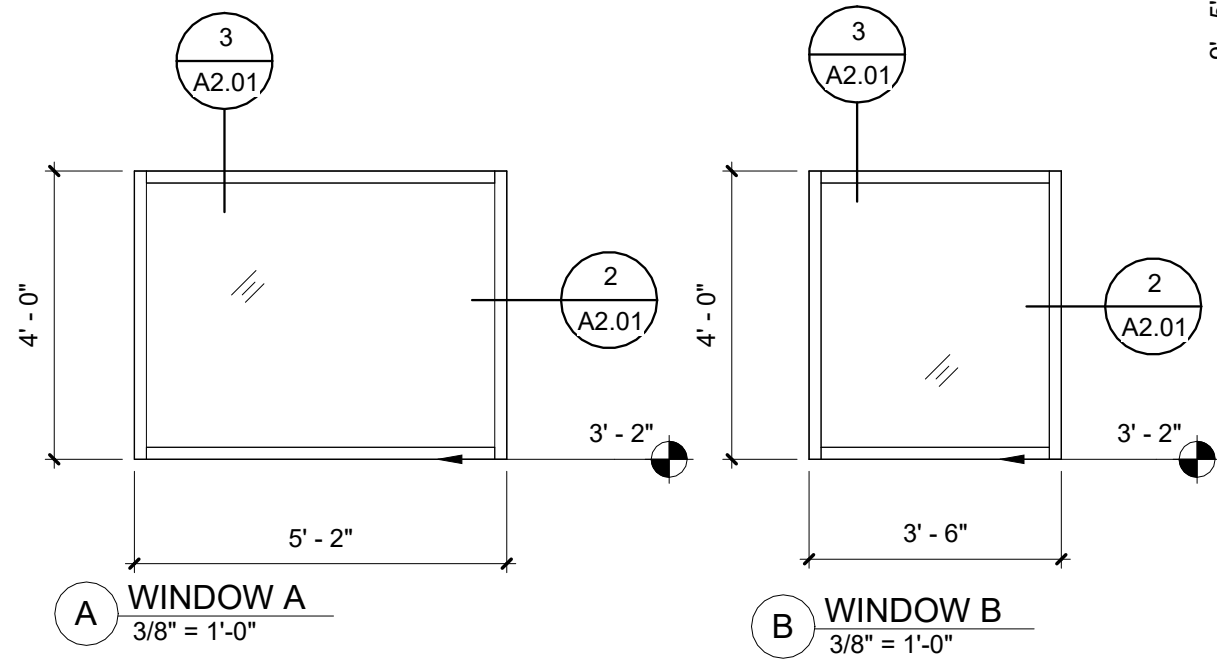
DETAILS APPLY FOR FRP-1. SEE MANUFACTURER
INSTALLATION DETAILS FOR FRP-2



2 JAMB DETAIL
1 1/2" = 1'-0" | RE:A/A2.01

3 HEAD DETAIL
1 1/2" = 1'-0" | RE:A/A2.01

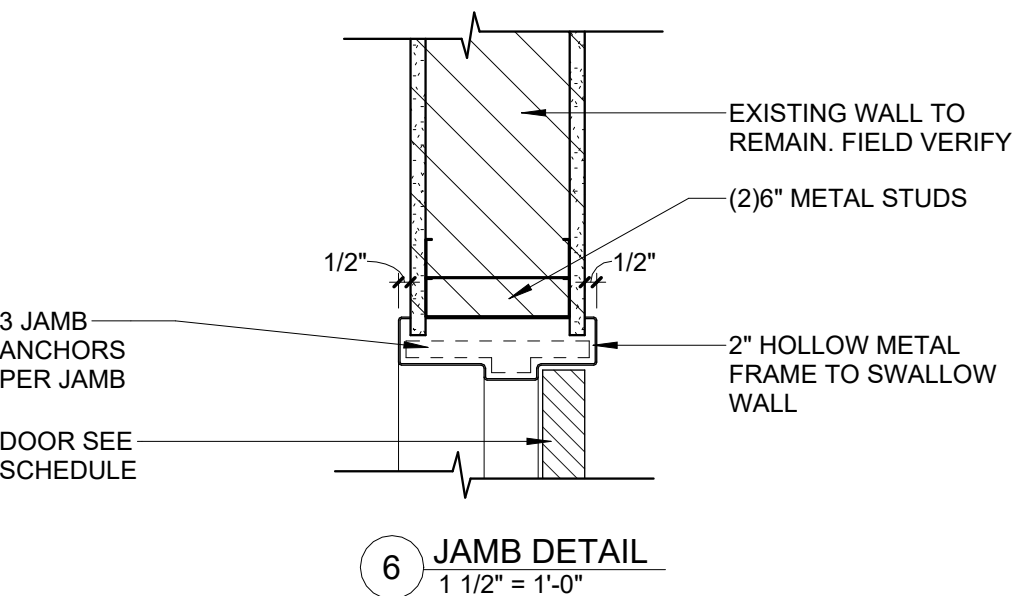
4 JAMB DETAIL
1 1/2" = 1'-0"



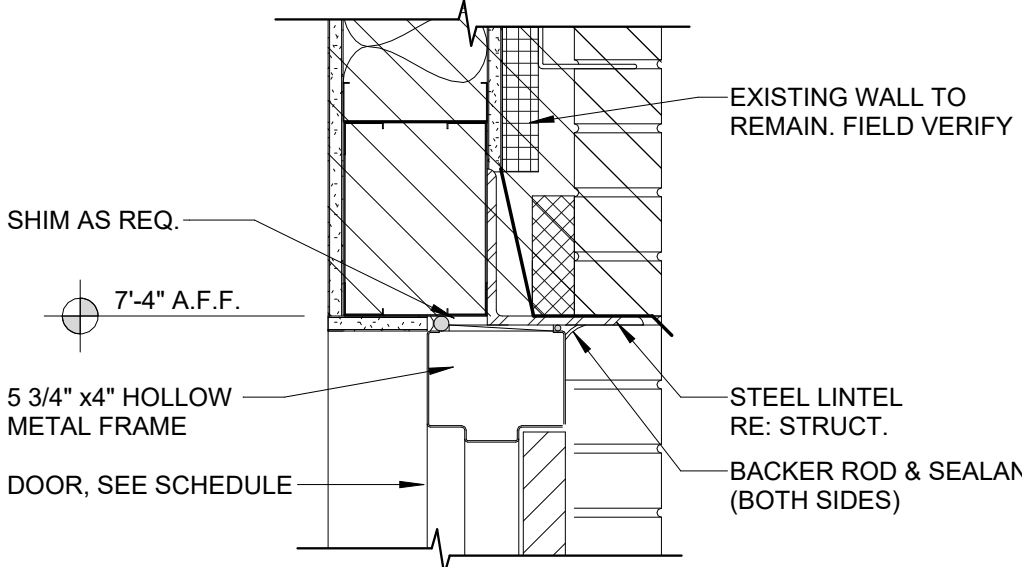
A WINDOW A
3/8" = 1'-0"

B WINDOW B
3/8" = 1'-0"

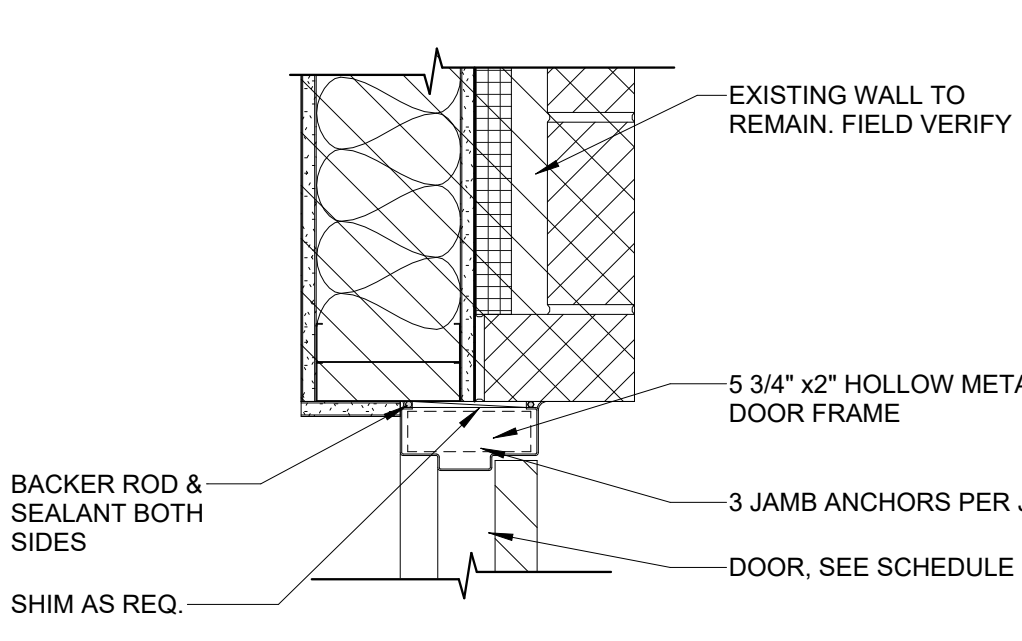
C WINDOW C
3/8" = 1'-0" | RE:1/A1.01



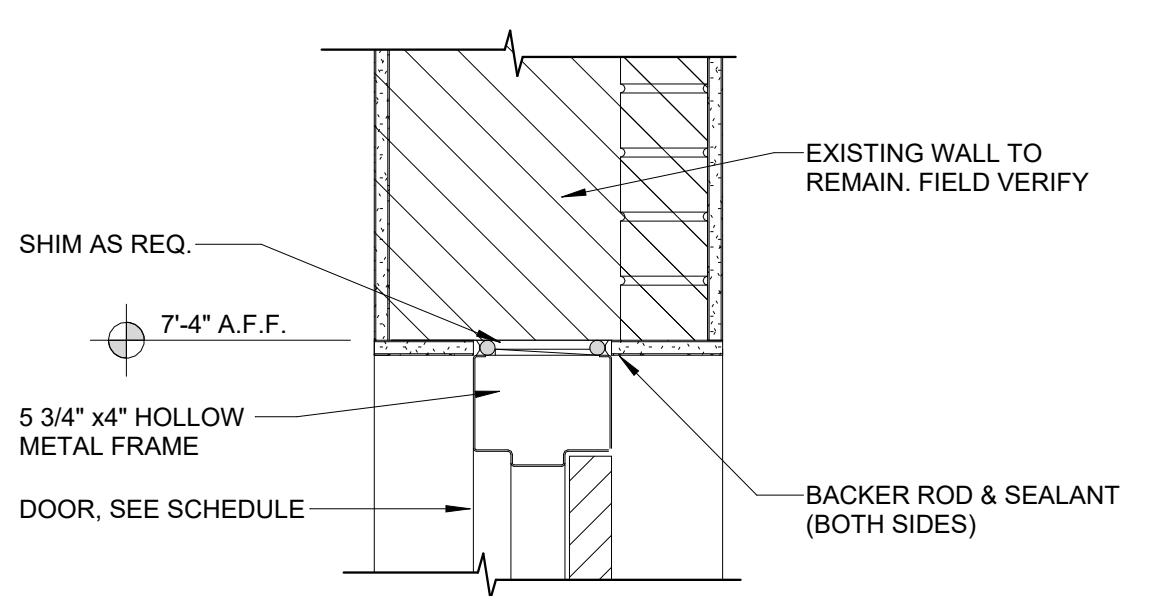
6 JAMB DETAIL
1 1/2" = 1'-0"



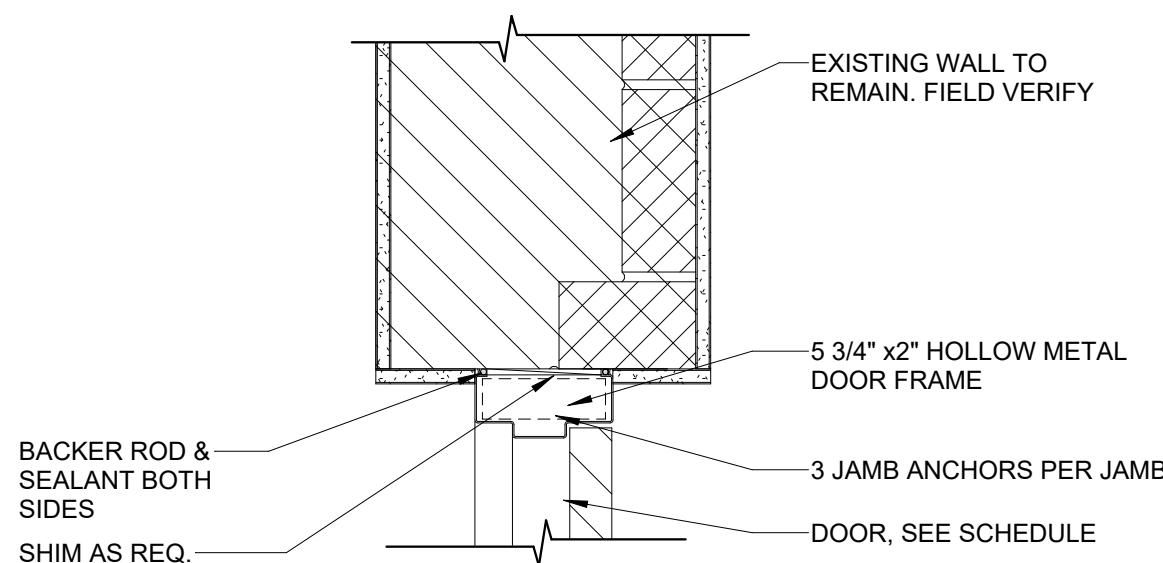
5 HEAD DETAIL
1 1/2" = 1'-0"



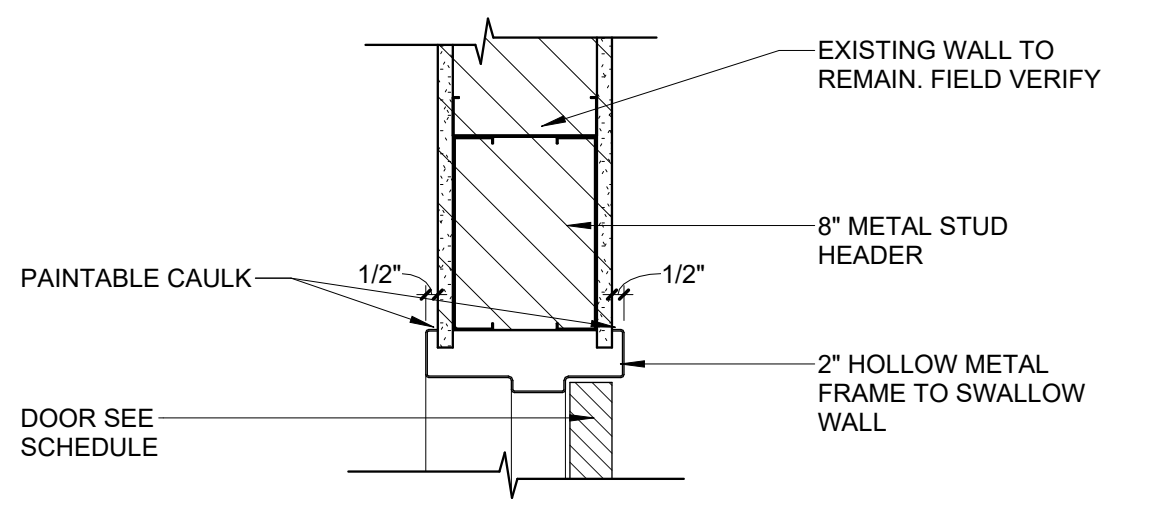
4 JAMB DETAIL
1 1/2" = 1'-0"



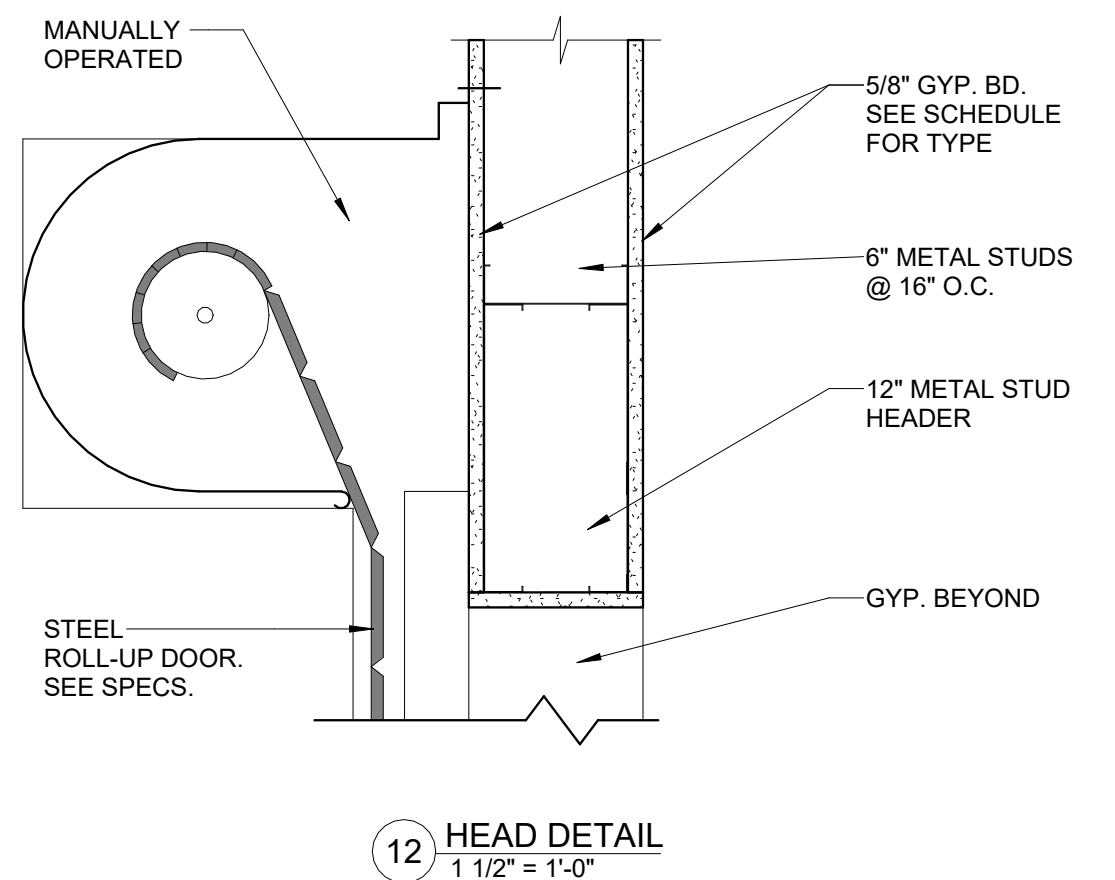
9 HEAD DETAIL
1 1/2" = 1'-0"



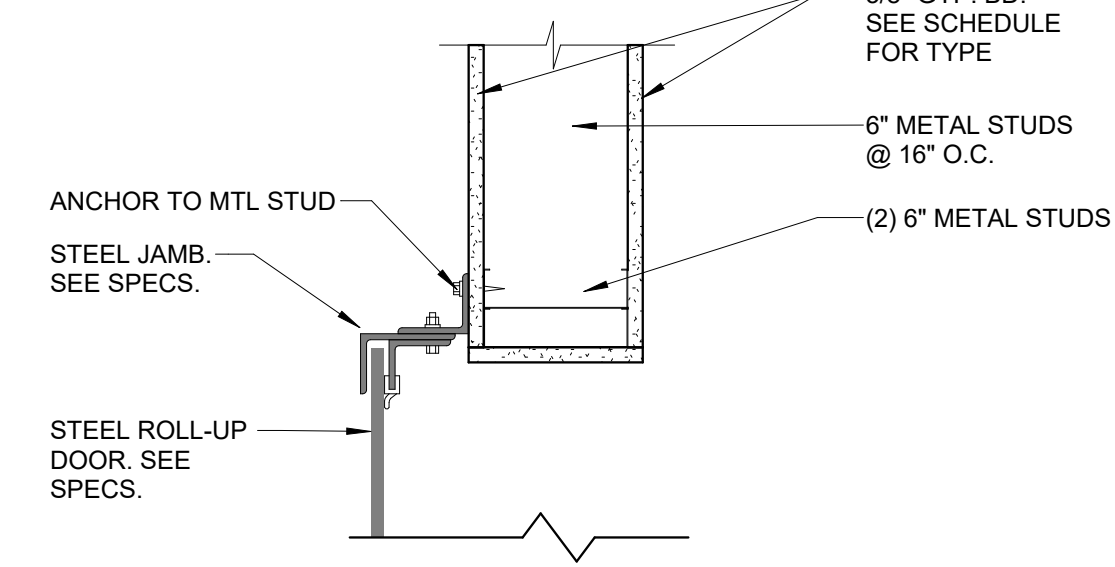
8 JAMB DETAIL
1 1/2" = 1'-0"



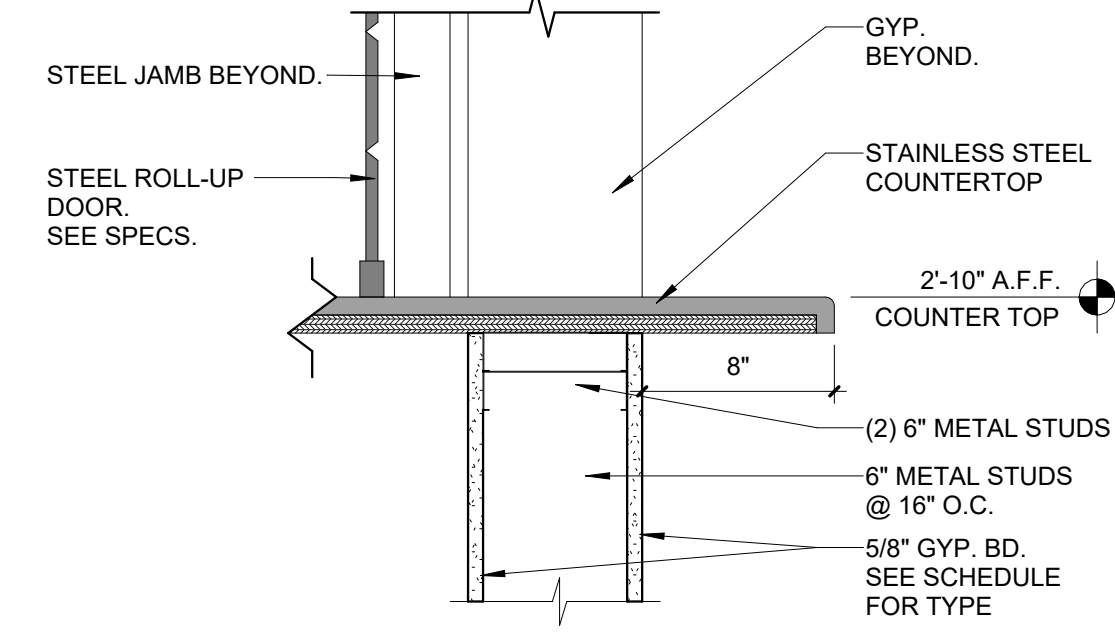
7 HEAD DETAIL
1 1/2" = 1'-0"



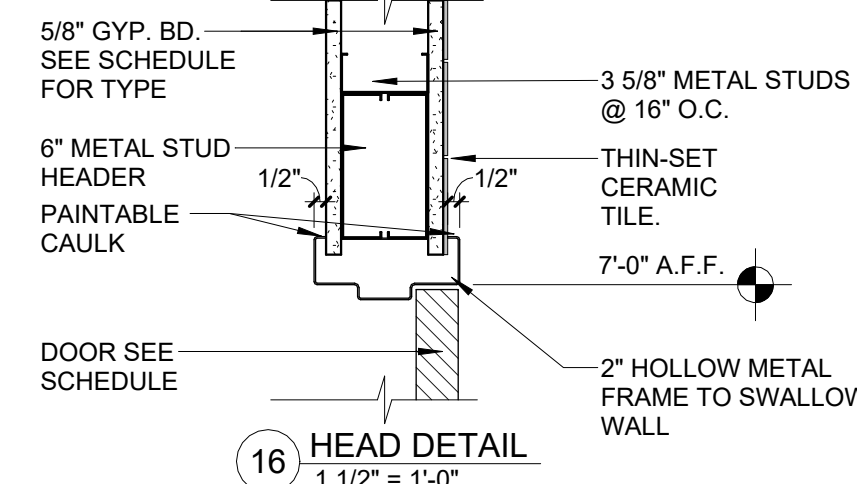
12 HEAD DETAIL
1 1/2" = 1'-0"



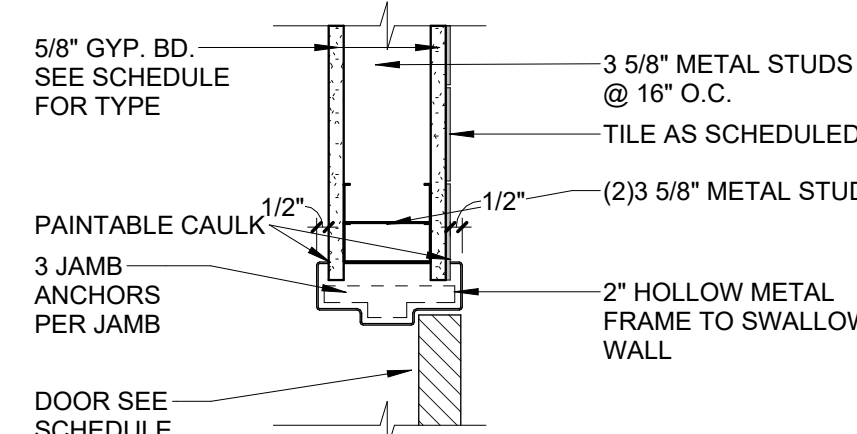
11 JAMB DETAIL
1 1/2" = 1'-0"



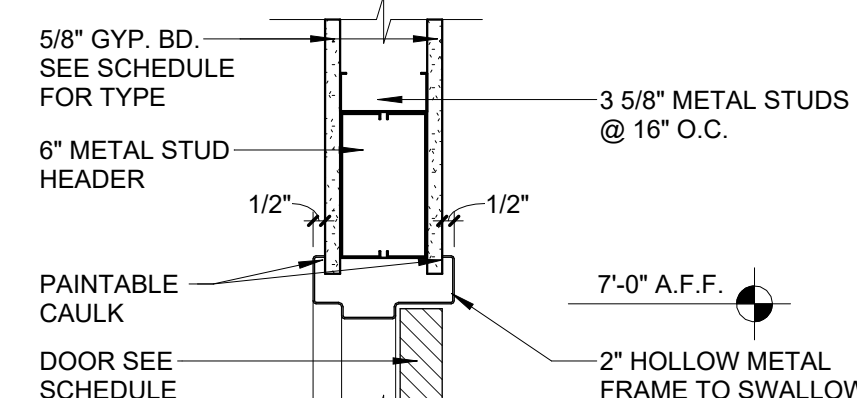
10 SILL DETAIL
1 1/2" = 1'-0"



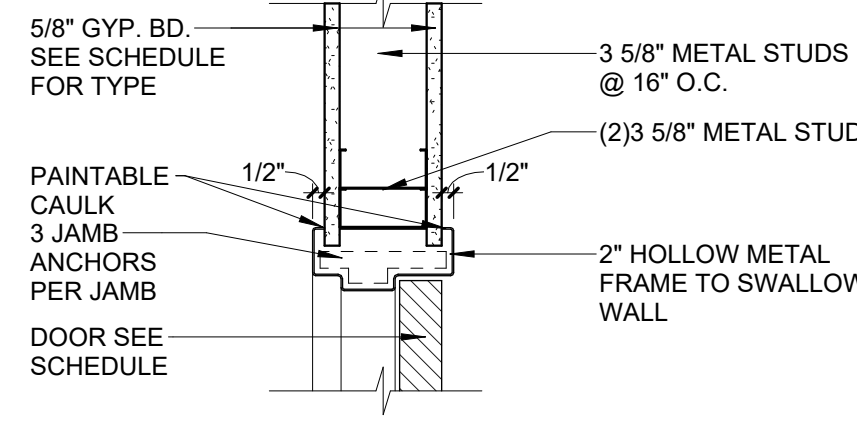
16 HEAD DETAIL
1 1/2" = 1'-0"



15 JAMB DETAIL
1 1/2" = 1'-0"



14 HEAD DETAIL
1 1/2" = 1'-0"



13 JAMB DETAIL
1 1/2" = 1'-0"

DRAWING REVISIONS

No.	Description	Date

DRAWN BY: HT, MU
CHECKED BY: CW
SHEET

A2.01

Date: OCTOBER 2025
Project No.: 25-WM0015
File Name:

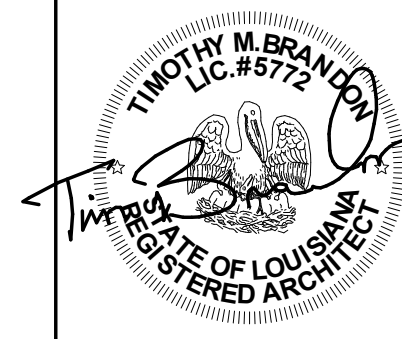
DESCRIPTION:
ROOM FINISH
SCHEDULE, DOOR
SCHEDULE &
DETAILS

GENERAL NOTE

1. CONTRACTOR SHALL PROVIDE BLOCKING IN ALL WALLS FOR ALL TOILET ACCESSORIES.
2. VERIFY ALL DIMENSIONS FOR EQUIPMENT.
3. ALL INTERIOR ELEVATIONS ARE LABELED BY THE ROOM NAME, NUMBER AND PLAN N, S, E & W. THIS IS **NOT** TRUE N, S, E & W.

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CAFETERIA RENOVATION

112 APRANT ROAD
WEST MONROE, LA 71292

DRAWING REVISIONS

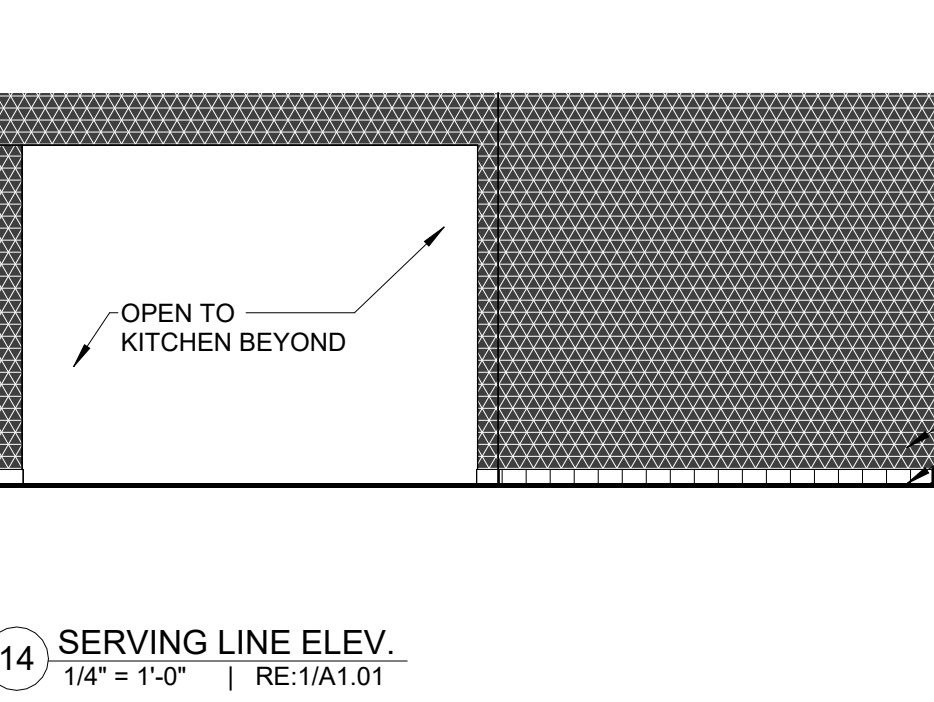
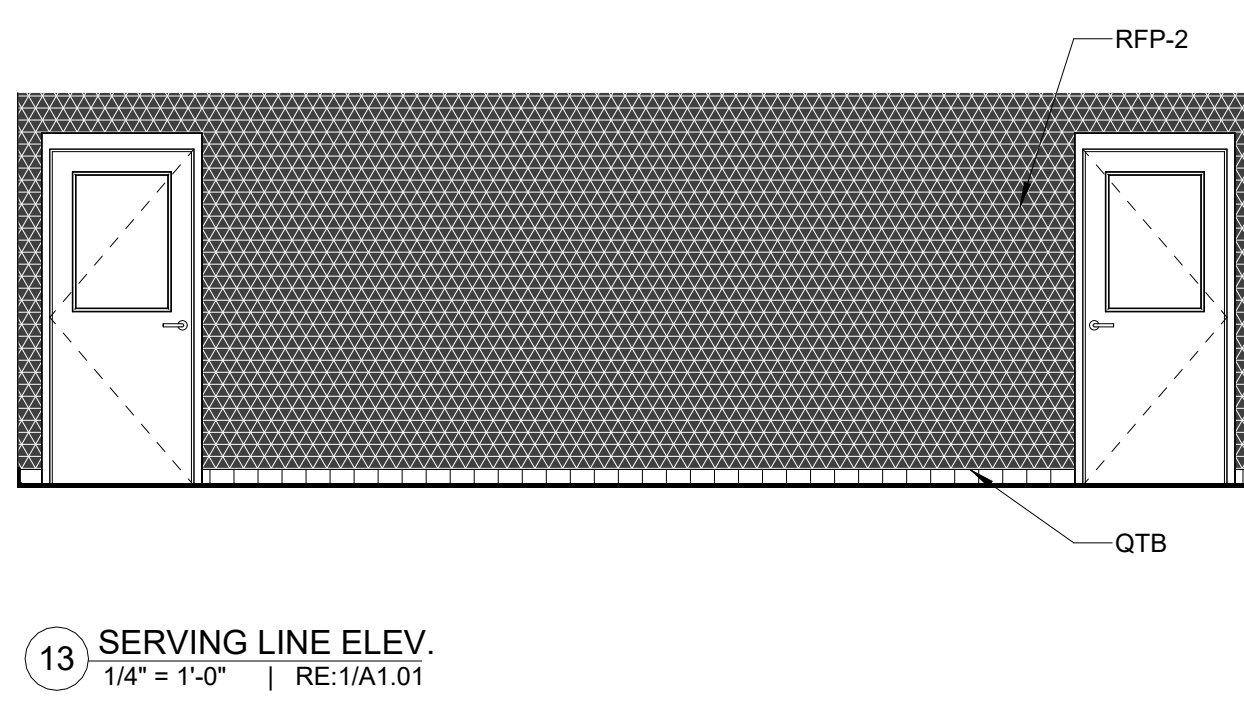
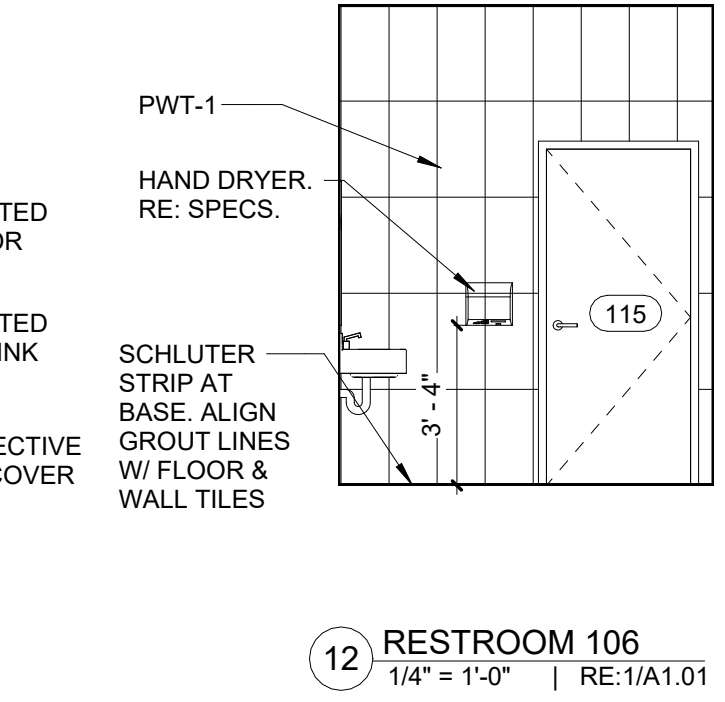
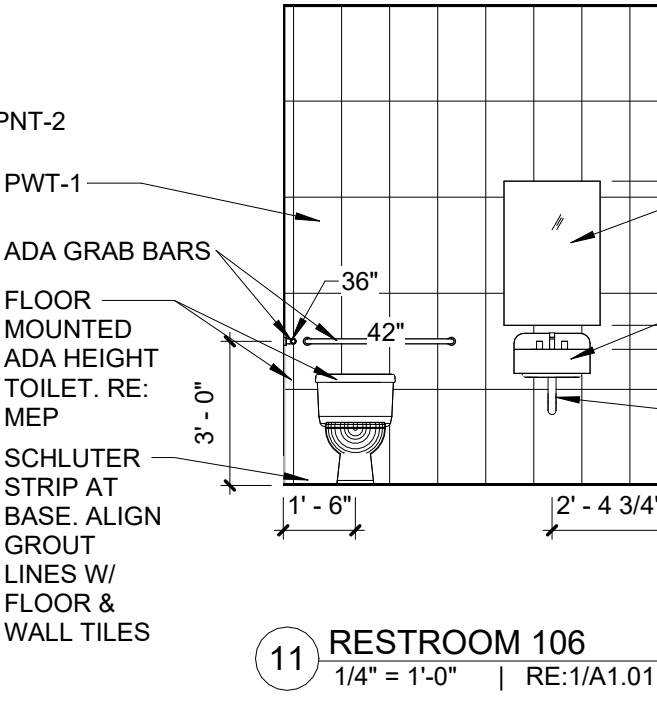
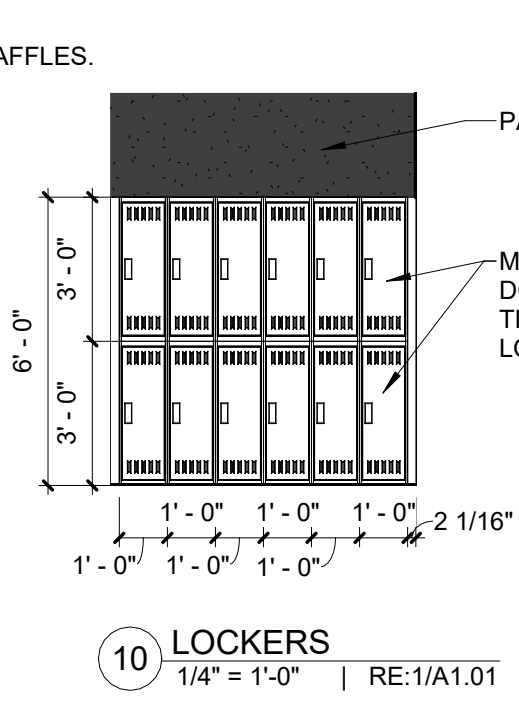
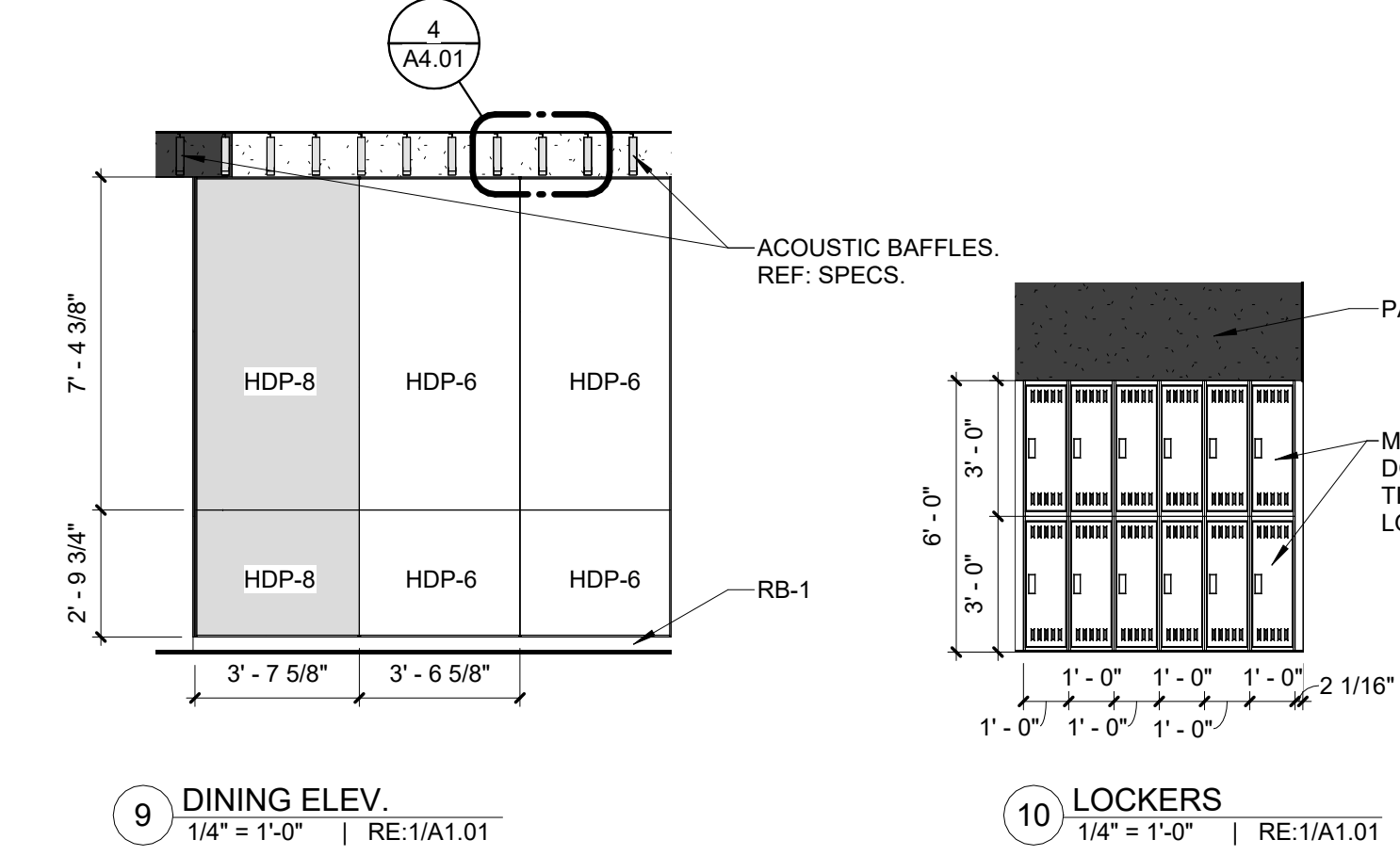
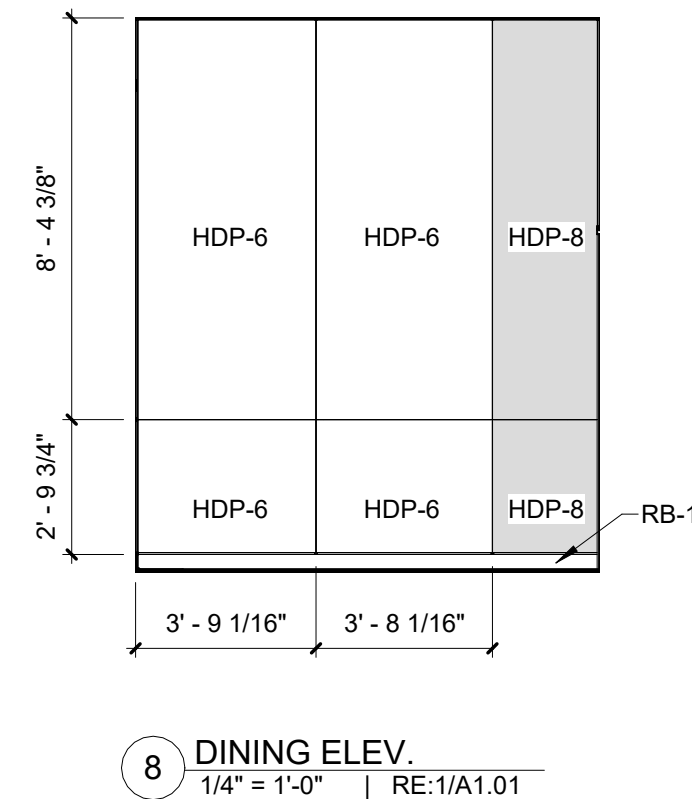
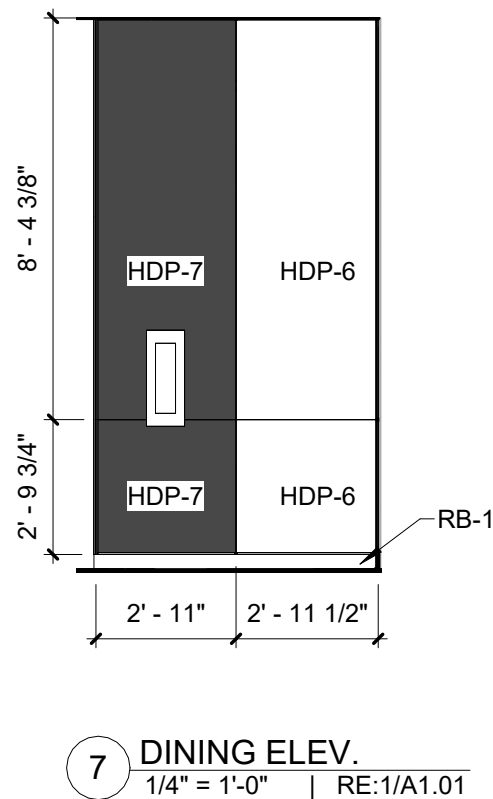
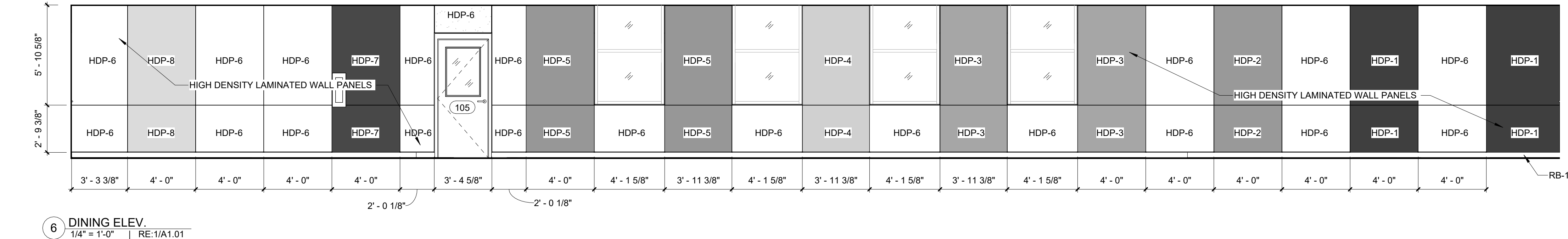
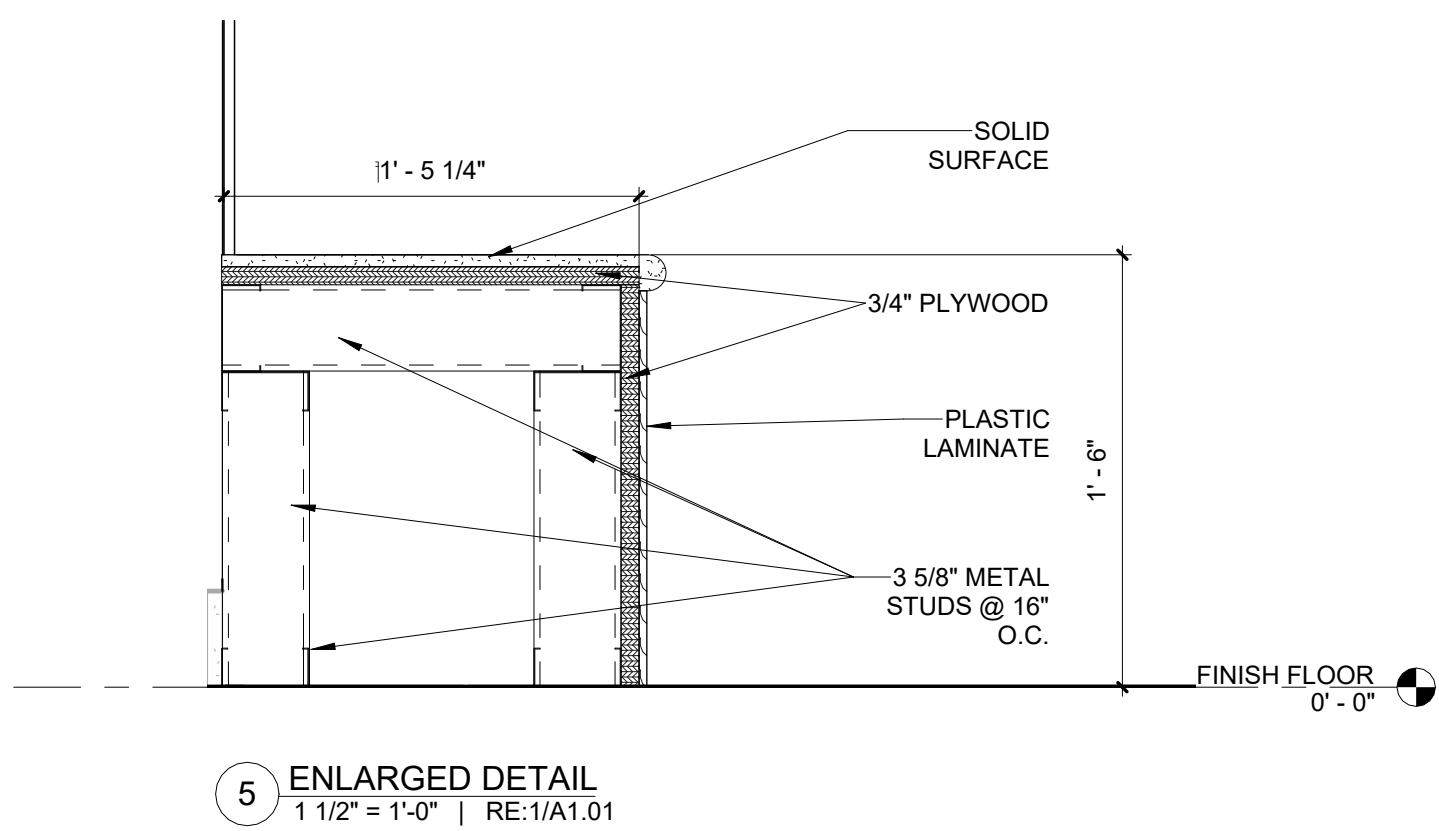
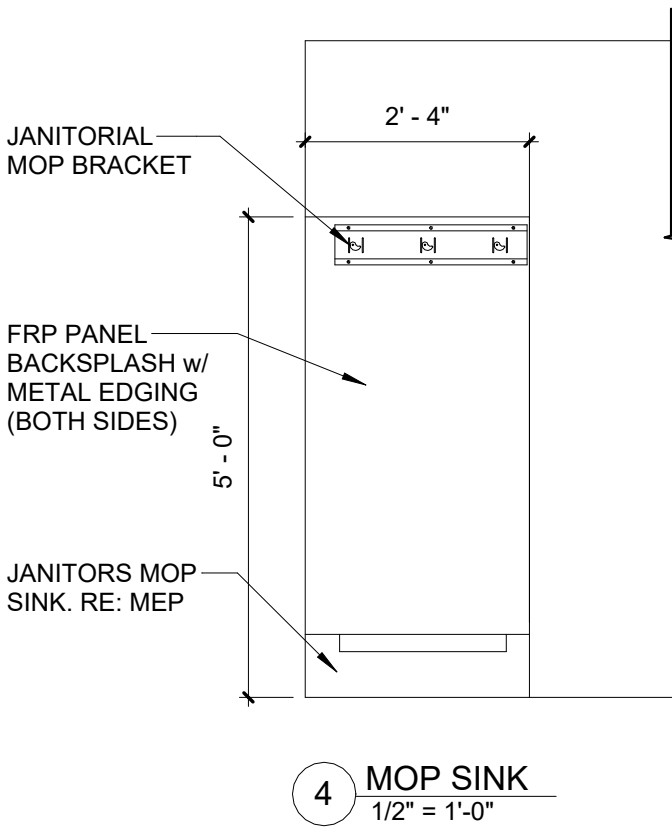
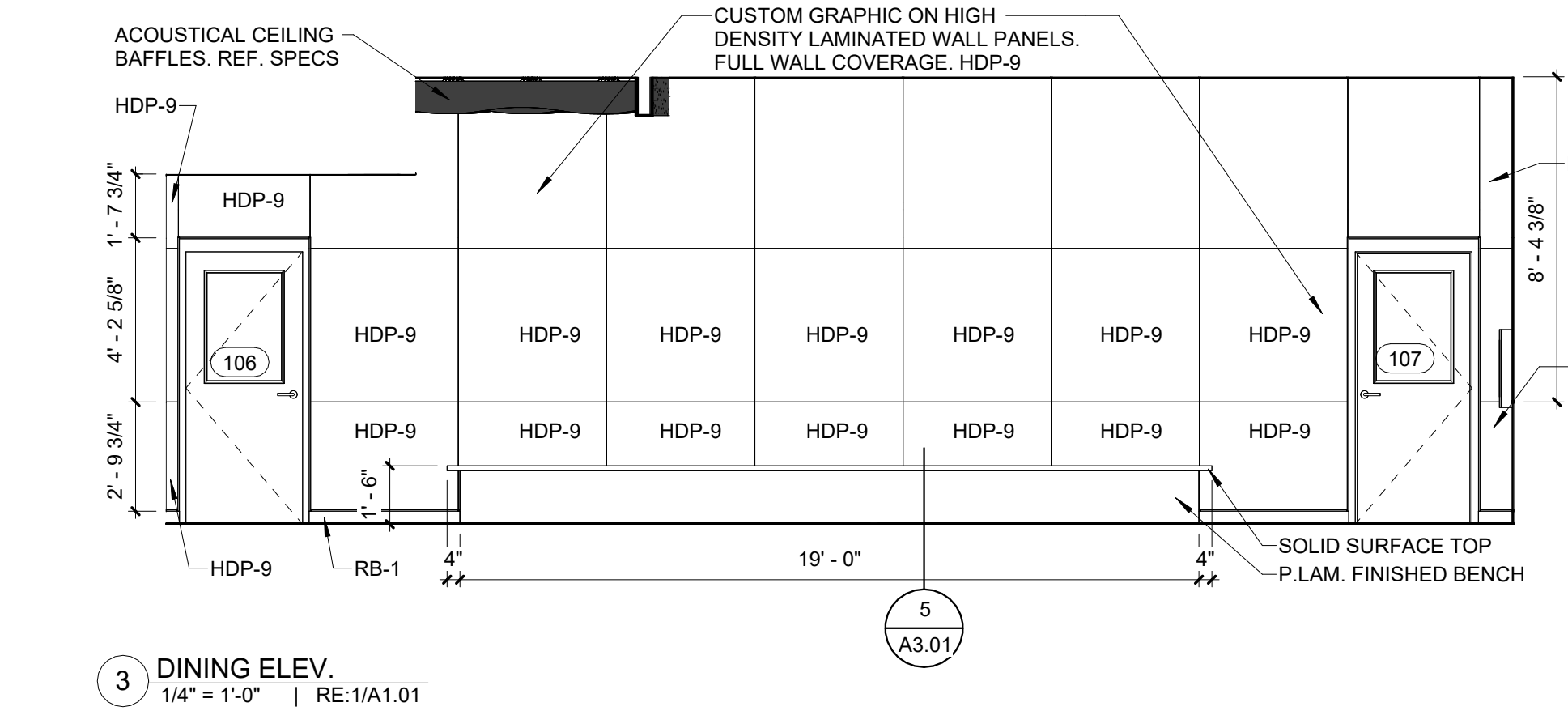
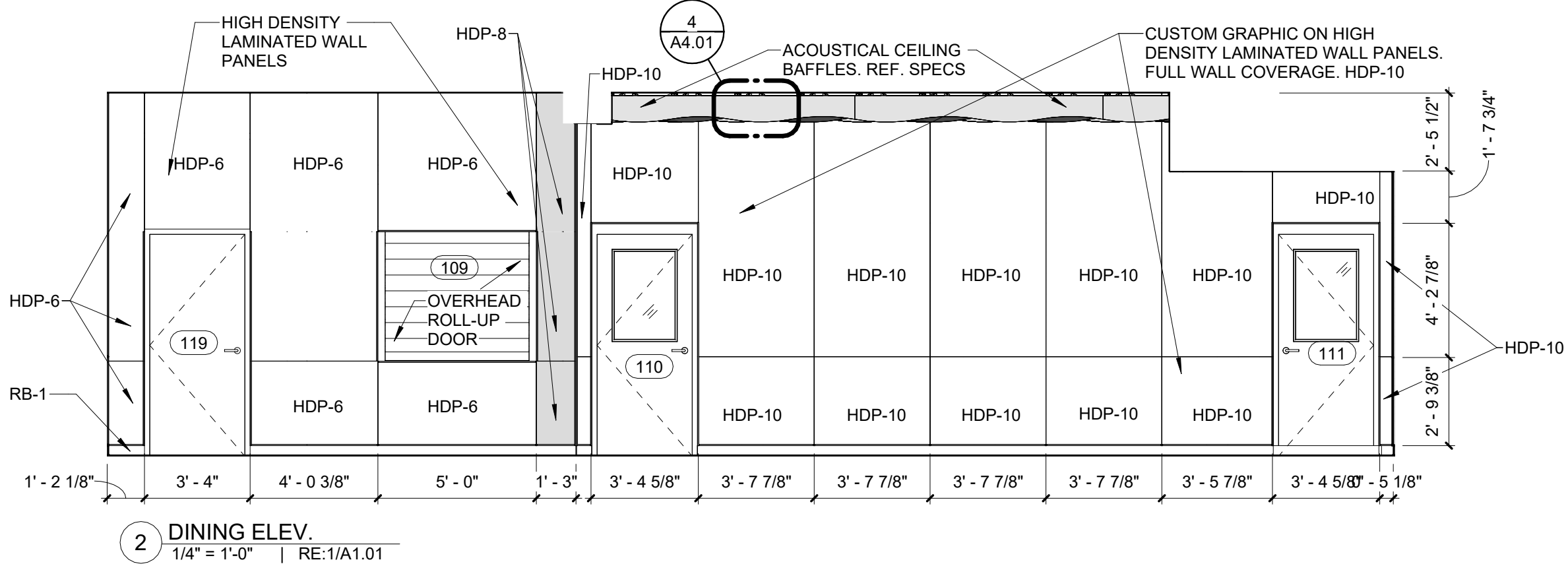
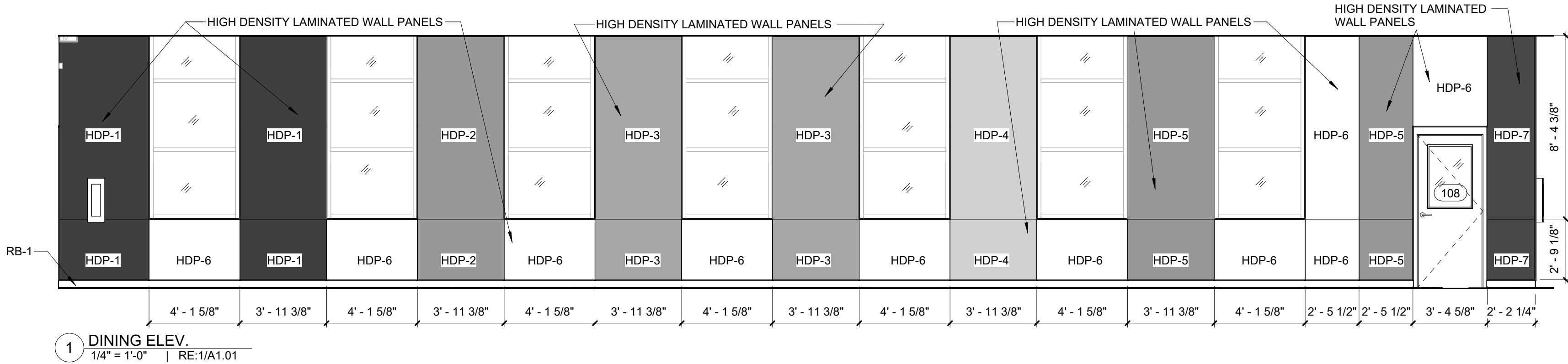
No.	Description	Date

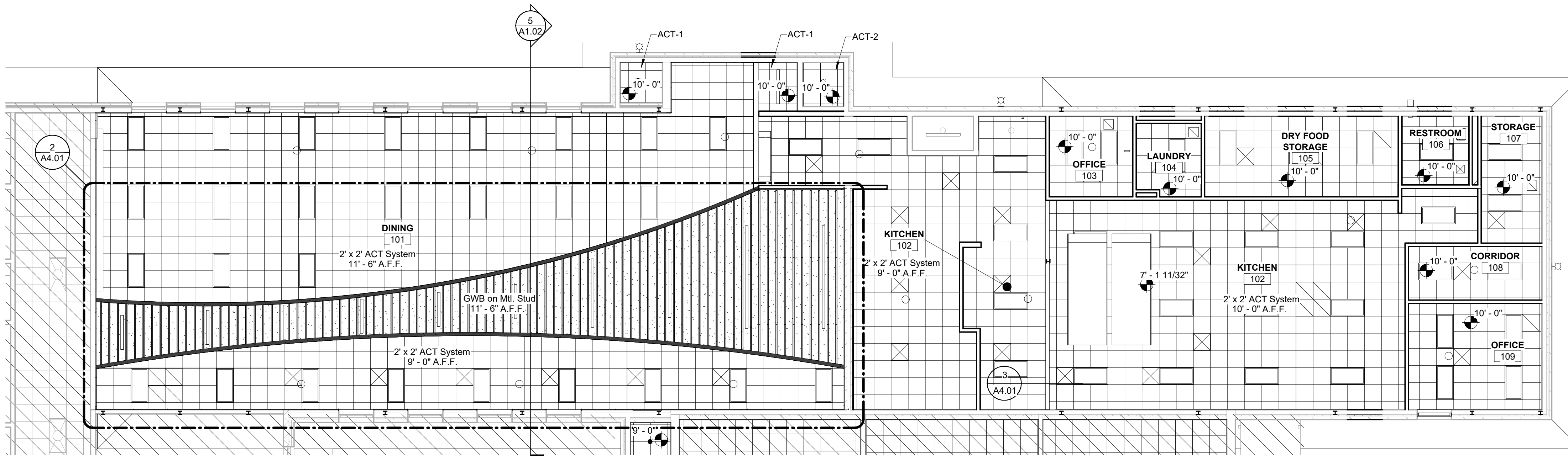
DRAWN BY: HT, MU
CHECKED BY: CW
SHEET

A3.01

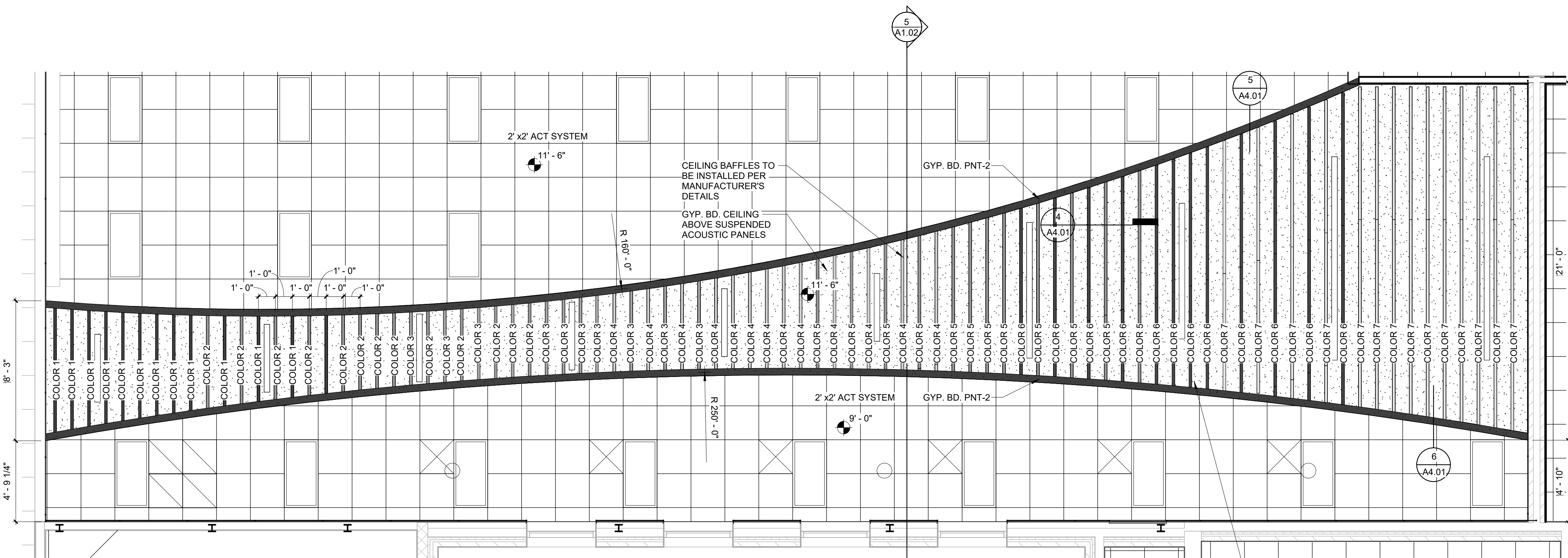
Date: OCTOBER 2025
Project No.: 25-WM0015
File Name:

DESCRIPTION:
INTERIOR
ELEVATIONS

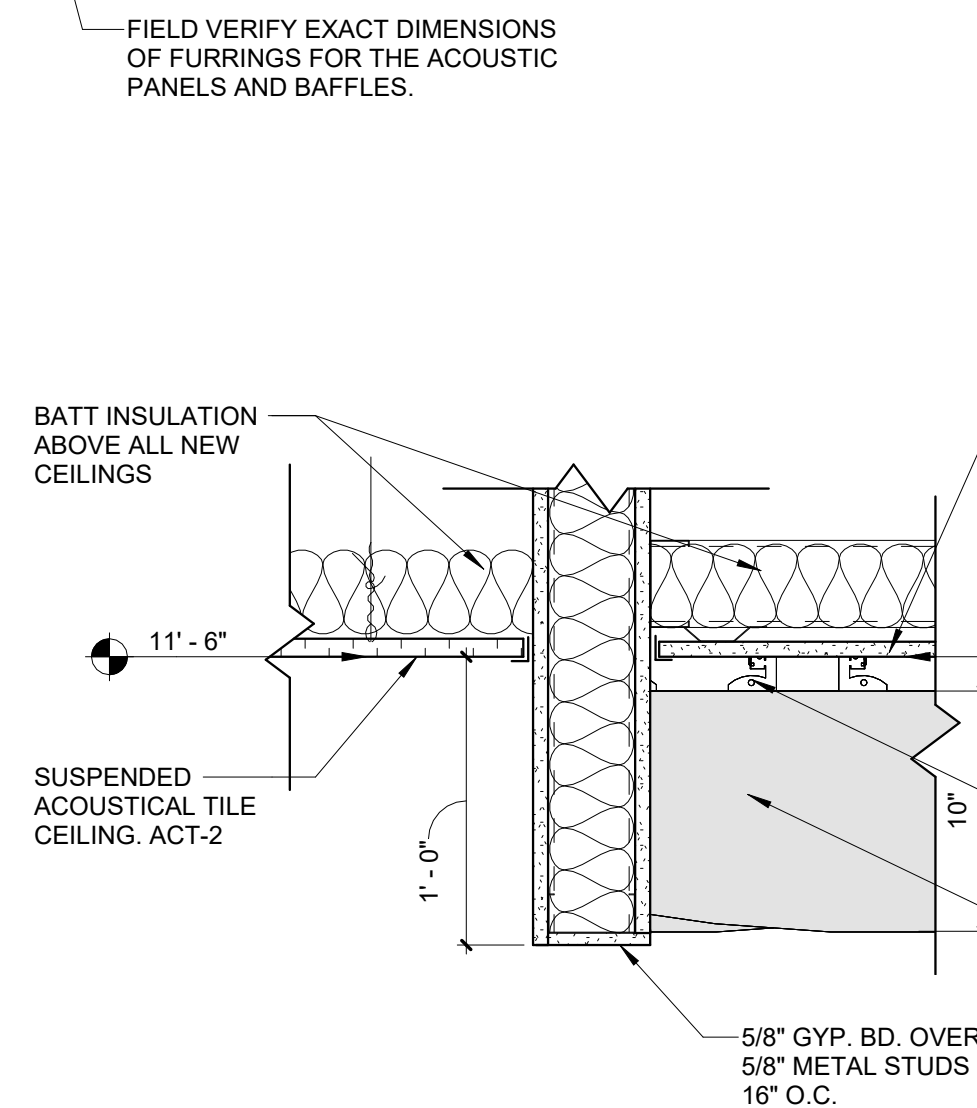




1 RCP 1ST FLOOR
1/8" = 1'-0" | RE:2/A1.02



2 ENLARGED RCP
1/4" = 1'-0" | RE:1/A4.01



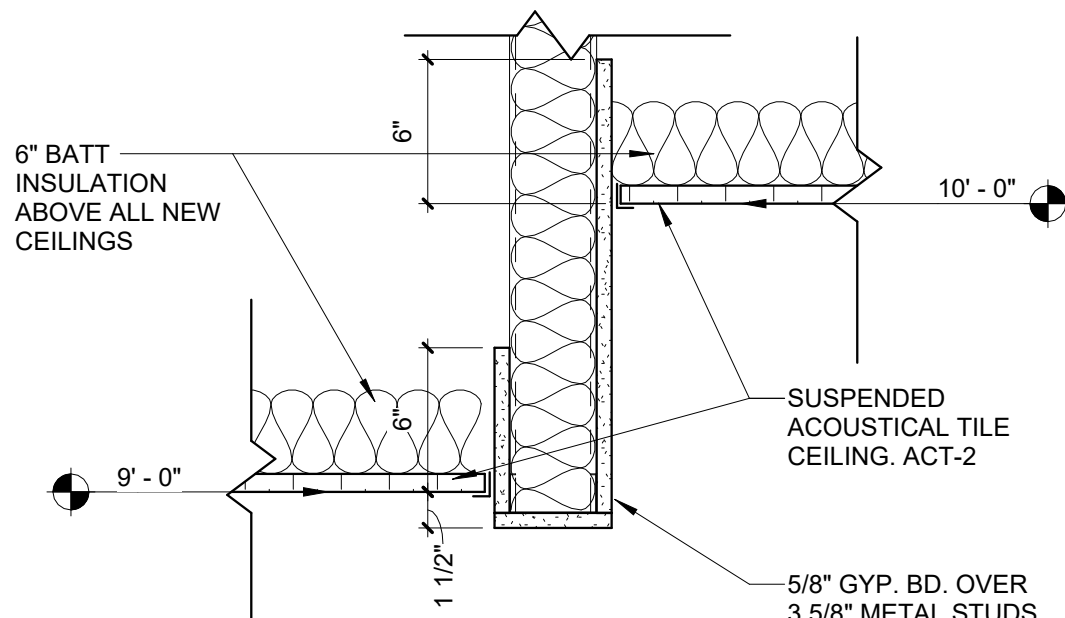
5 ENLARGED DETAIL
1 1/2" = 1'-0" | RE:5/A1.02

CEILING MATERIAL LEGEND

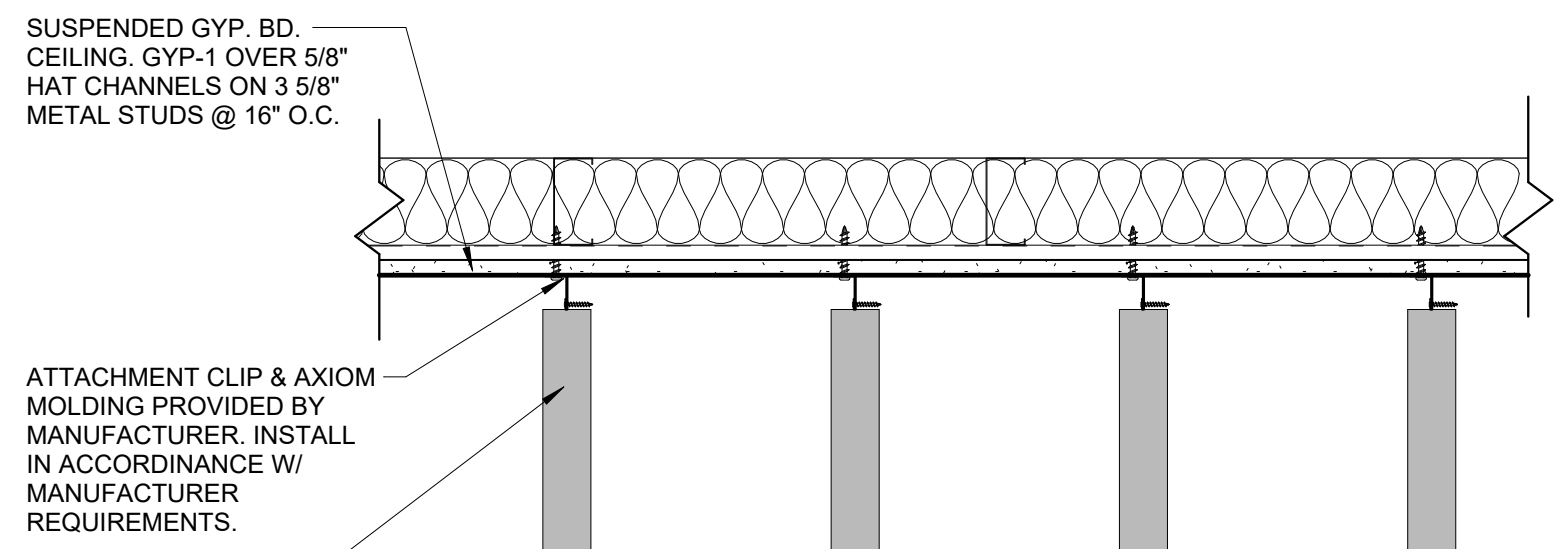
	2'-0" x 2'-0" CEILING TILES AND SUSPENDED METAL GRID	ACT 1
	2' x 2' MOISTURE RESISTANT ACOUSTICAL CEILING TILE - SEE SPECIFICATIONS	ACT 2
	GYPSUM BOARD CEILING	GYP 1
	CEILING HEIGHT	

1. THE REFLECTED CEILING PLAN DRAWING INDICATES CEILING FINISHES AND HEIGHTS. SEE ELECTRICAL DRAWINGS FOR ALL LIGHTING AND CEILING MOUNTED DEVICES WHICH SHALL BE COUNTED AND INSTALLED PER THE ELECTRICAL DRAWINGS. ALL SUSPENDED ACOUSTIC CEILINGS IN CORRIDORS SHALL HAVE HOLD DOWN CLIPS. SEE THE FINISH SCHEDULE FOR MORE INFORMATION ON THE SPECIFIC TYPE OF CEILING TILES AND FINISHES FOR EACH INDIVIDUAL ROOM.

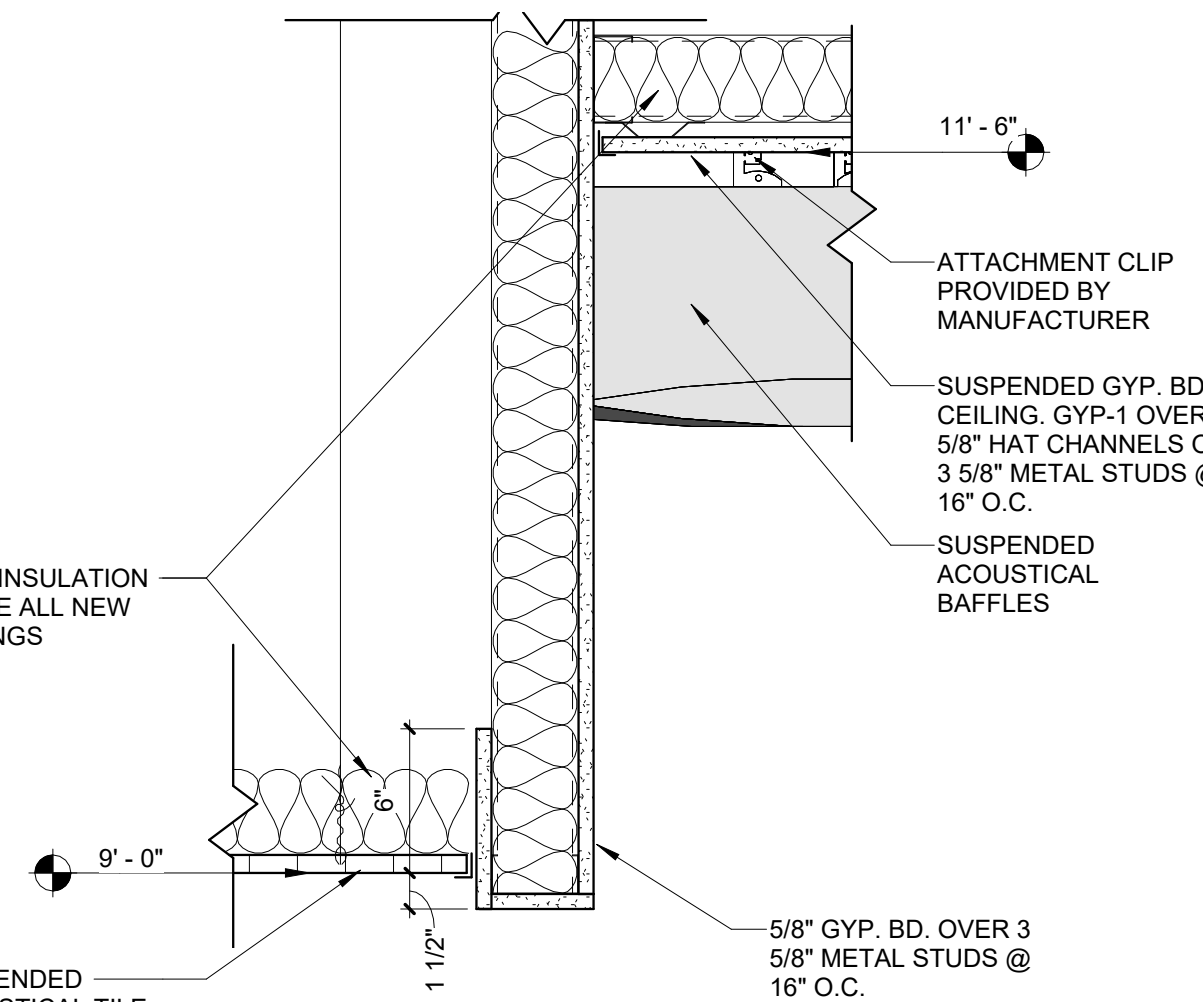
2. THE ARCHITECT MAINTAINS THE RIGHT TO SELECT LIGHT FIXTURE, ELECTRICAL SWITCH, OUTLET, AND ALL COVER PLATES COLOR. IF THE COLOR IS INCLUDED IN THE ELECTRICAL SPECIFICATIONS OR THE SUBMITTAL, AND APPROVED BY THE ELECTRICAL ENGINEER, THE ARCHITECT SHALL STILL APPROVE ALL COLORS BEFORE THAT SUBMITTAL ITEM IS CONSIDERED OFFICIAL.



3 ENLARGED DETAIL
1 1/2" = 1'-0" | RE:1/A4.01



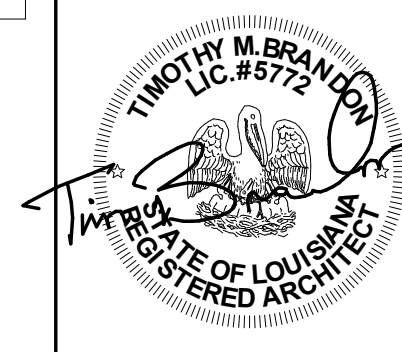
4 ENLARGED DETAIL
1 1/2" = 1'-0" | RE:2/A3.01



6 ENLARGED DETAIL
1 1/2" = 1'-0" | RE:5/A1.02

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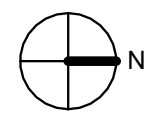
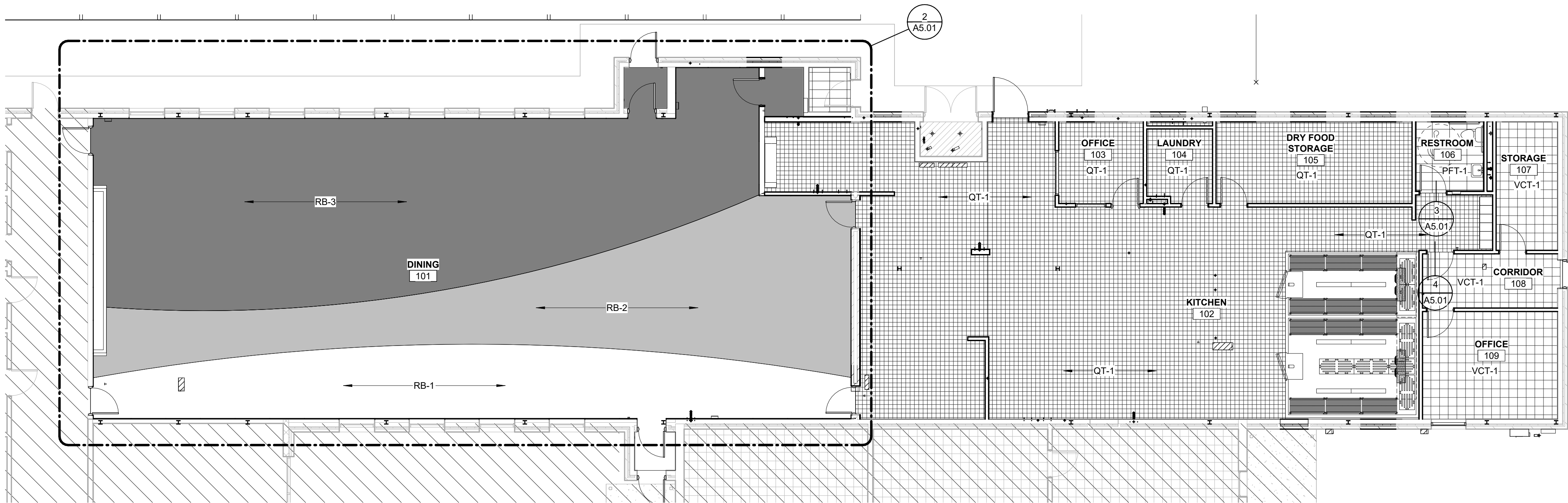
Date: OCTOBER 2025

Project No.: 25-WM0015

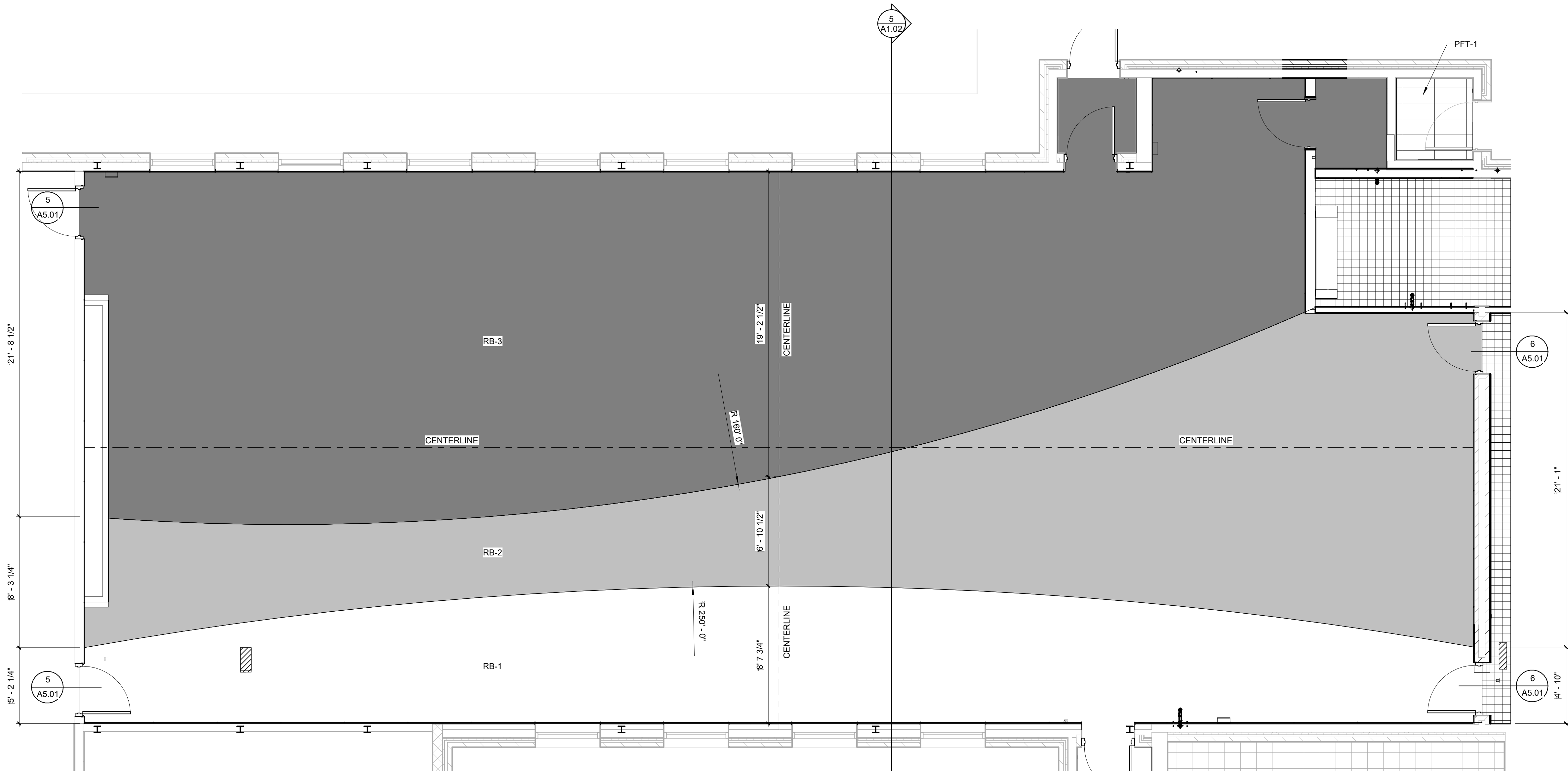
File Name:

DESCRIPTION:

REFLECTED
CEILING PLAN &
FLOOR PATTERN
PLAN



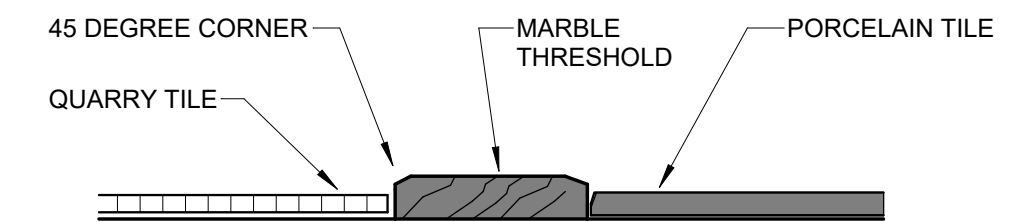
1 FLOOR PATTERN PLAN
1/8" = 1'-0" | RE:2/A1.02



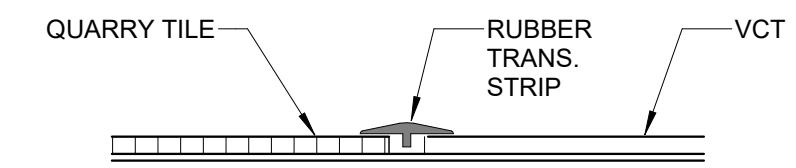
2 FLOOR PATTERN PLAN - Callout 1
1/4" = 1'-0" | RE:1/A5.01

FLOOR PLAN LEGEND

- RB-1 - RUBBER FLOORING COLOR 1
- RB-2 - RUBBER FLOORING COLOR 2
- RB-3 - RUBBER FLOORING COLOR 3
- QT-1 - QUARRY TILE
- VCT-1 - VINYL COMPOSITION TILE
- EXISTING TO REMAIN
- PFT-1 - PORCELAIN FLOOR TILE COLOR 1

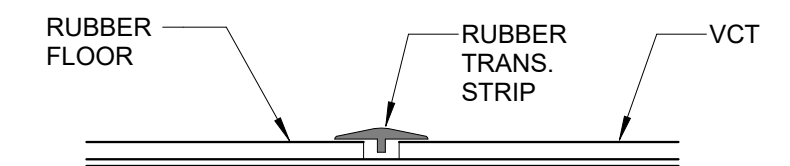


3 QUARRY TILE @ PORCELAIN TILE @ RESTROOM LOCATIONS
6" = 1'-0" | RE:1/A5.01

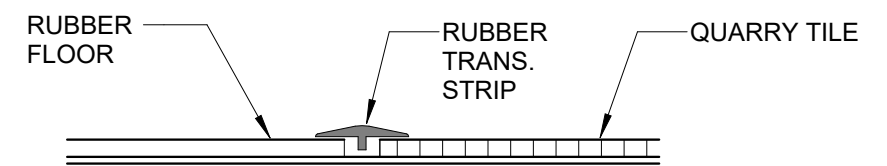


NOTE: ALL VCT TO VCT TRANSITIONS THROUGHOUT THE PROJECT

4 QUARRY TILE @ VINYL COMPOSITION TILE
6" = 1'-0" | RE:1/A5.01



5 RUBBER FLOOR @ VINYL COMPOSITION TILE
6" = 1'-0" | RE:2/A5.01



6 RUBBER FLOOR @ QUARRY TILE
6" = 1'-0" | RE:2/A5.01

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A5.01

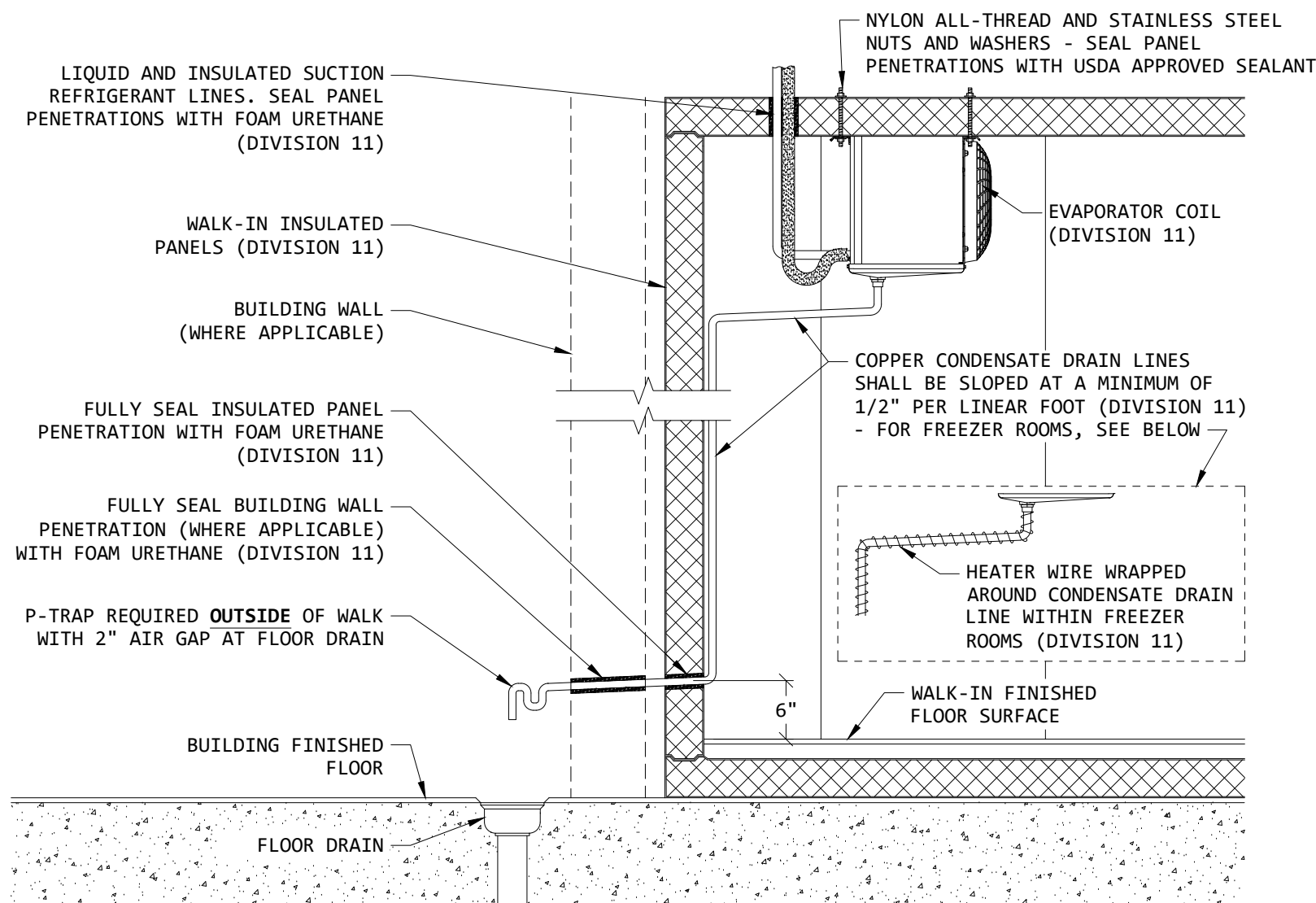
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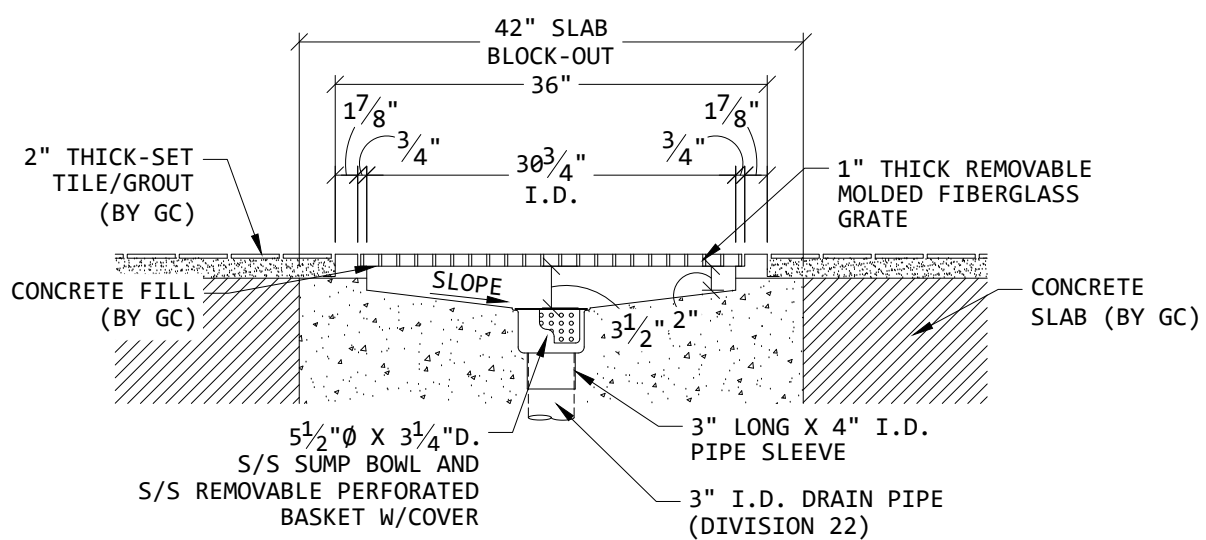
DESCRIPTION:

FLOOR PATTERN
PLAN

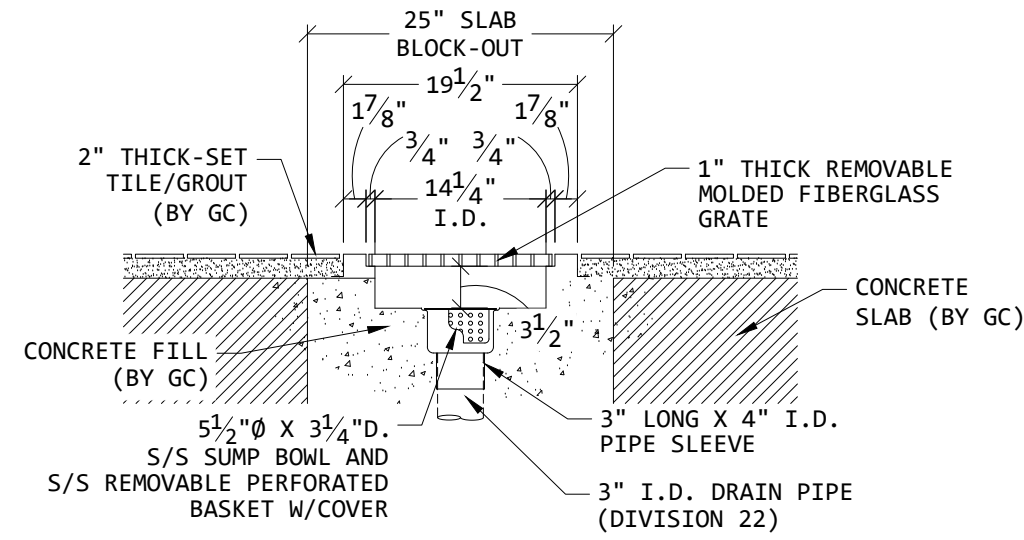


D1 WALK-IN COOLER/FREEZER CONDENSATE DRAIN & COIL INSTALLATION DETAIL
REF: FS1.01 NOT TO SCALE

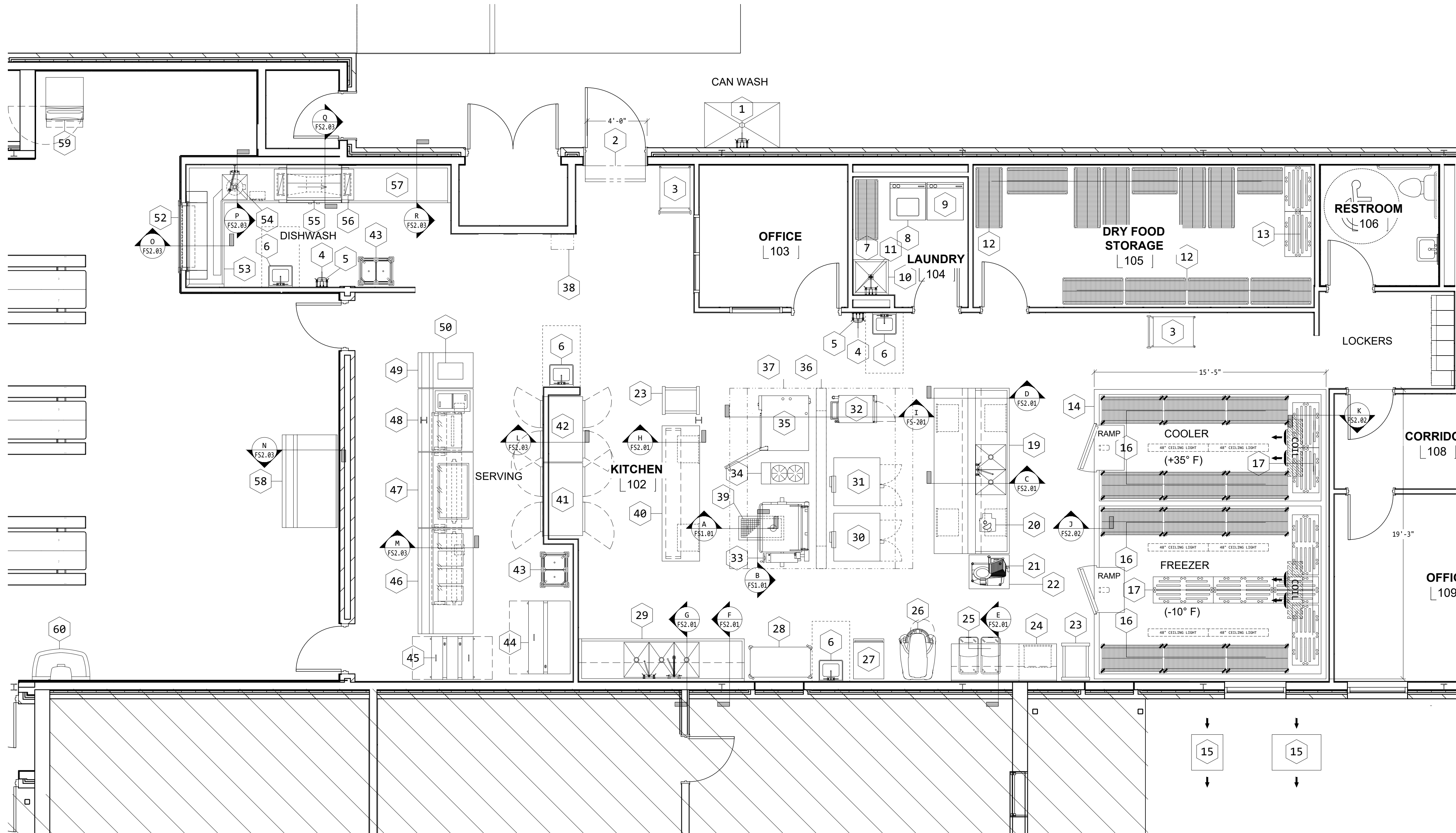
NOTE:
BLOCK-OUT CONCRETE SLAB DURING INITIAL POUR AS INDICATED ON FOOD SERVICE EQUIPMENT SLAB REQUIREMENTS PLAN (THIS SHEET) FOR PROPER INSTALLATION OF FLOOR TROUGH. TROUGH SHALL BE INSTALLED WITH TOP OF PERIMETER FLANGE FLUSH WITH BUILDING FLOOR.



A STAINLESS STEEL FLOOR TROUGH W/GRATE
REF: FS1.01 SCALE: 3/4"=1'-0"



B STAINLESS STEEL FLOOR TROUGH W/GRATE
REF: FS1.01 SCALE: 3/4"=1'-0"



1 FOOD SERVICE EQUIPMENT FLOOR PLAN
1/4" = 1'-0" RE:

EQUIPMENT SCHEDULE			
ITEM NO.	QTY	DESCRIPTION	NOTES
1.	1	MIXING FAUCET W/HOSE THREADS (BY PLUMBING)	B
2.	1	AIR CURTAIN	A
3.	2	MOBILE UTILITY CARTS	C
4.	2	MIXING FAUCETS W/HOSE THREADS (BY PLUMBING)	B
5.	3	WALL-MOUNT HOSE RACKS	A
6.	4	HAND SINKS (BY PLUMBING)	B
7.	1	STORAGE SHELVING UNIT	C
8.	1	CLOTHES WASHER	C
9.	1	CLOTHES DRYER	C
10.	1	FLOOR MOP SINK (BY PLUMBING)	B
11.	1	CHEMICAL DISPENSER (BY VENDOR)	D
12.	12	STORAGE SHELVING UNITS	C
13.	2	DUNNAGE RACKS	C
14.	1	WALK-IN COOLER/FREEZER	A
15.	2	WALK-IN COOLER/FREEZER REMOTE CONDENSING UNITS	A
16.	12	MOBILE SHELVING UNITS	C
17.	7	DUNNAGE RACKS	C
18.	--	SPARE NUMBER	--
19.	1	PREPARATION COUNTER W/SINKS & OVERSHELF	A
20.	1	FOOD PROCESSOR	C
21.	1	SLICER	C
22.	1	MOBILE EQUIPMENT STAND	C
23.	2	MOBILE PAN RACKS	C
24.	1	BAKER'S TABLE W/SPICE SHELF	A
25.	2	MOBILE INGREDIENT BINS	C
26.	1	60-QUART MIXER	A
27.	1	MOBILE PROOF HOLDING CABINET	C
28.	1	MOBILE UTENSIL SHELVING UNIT	C
29.	1	3-COMPARTMENT SINK W/OVERSHELF	A
30.	1	DOUBLE-STACK CONVECTION OVEN	A
31.	1	DOUBLE-STACK CONVECTION OVEN	A
32.	1	CONVECTION STEAMER	A
33.	1	40-GALLON TILTING BRAISING PAN	A
34.	1	2-BURNER RANGE	A
35.	1	COMBI-OVEN/STEAMER	A
36.	1	UTILITY DISTRIBUTION SYSTEM	A
37.	1	EXHAUST HOOD (BY MECHANICAL)	B
38.	1	FIRE SUPPRESSION SYSTEM (BY MECHANICAL)	B
39.	1	STAINLESS STEEL DRAIN TROUGH W/GRATE	A
40.	1	WORK TABLE W/OVERHEAD POT RACK	A
41.	1	PASS-THRU WARMER	A
42.	1	PASS-THRU REFRIGERATOR	A
43.	2	MOBILE TRAY DISPENSERS	C
44.	1	MOBILE MILK COOLER	C
45.	1	MOBILE MILK COOLER	C
46.	1	MOBILE HOT FOOD COUNTER	A
47.	1	MOBILE HOT/COLD FOOD COUNTER	A
48.	1	MOBILE FLAT TOP COUNTER W/DROP-IN ICE CREAM FREEZER	A
49.	1	MOBILE CASHIER COUNTER	A
50.	1	POS COMPUTER STATION	D
51.	--	SPARE NUMBER	--
52.	1	PASS-THRU WINDOW SHELF W/FRAME & ROLL-DOWN COUNTER DOOR	A
53.	1	SOILED DISHTABLE	A
54.	1	DISPOSER	A
55.	1	DISHWASHER	A
56.	1	DISHWASHER PANT LEG EXHAUST DUCT	A
57.	1	CLEAN DISHTABLE	A
58.	1	MOBILE CONDIMENT COUNTER	A
59.	1	ICE MACHINE (CUBER) W/STORAGE BIN	A
60.	1	STUDENT HAND WASH SINK (PLUMBING)	B

LEGEND:

A. DIVISION 11 (FOOD SERVICE EQUIPMENT)

B. DIVISION 22/23 (PLUMBING/MECHANICAL)

C. OWNER FURNISHED, OWNER INSTALLED

D. BY OTHERS, NOT IN FOOD SERVICE EQUIPMENT CONTRACT

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NOT FOR
CONSTRUCTION
STATE OF LOUISIANA
REGISTERED ARCHITECT

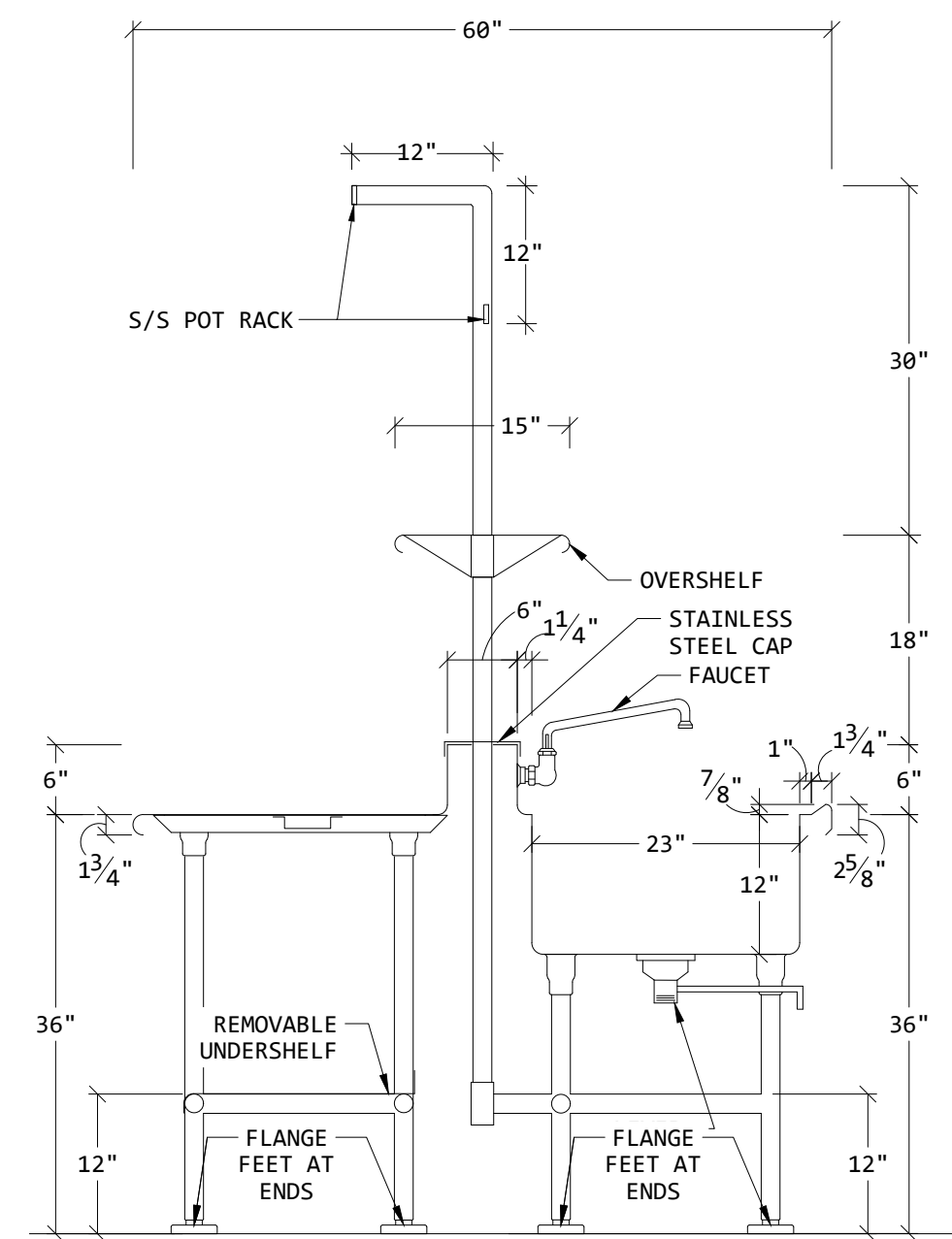
LENWIL ELEMENTARY SCHOOL
CAFETERIA RENOVATION
112 ARRAnt ROAD
WEST MONROE, LA 71292

DRAWING REVISIONS		
No.	Description	Date

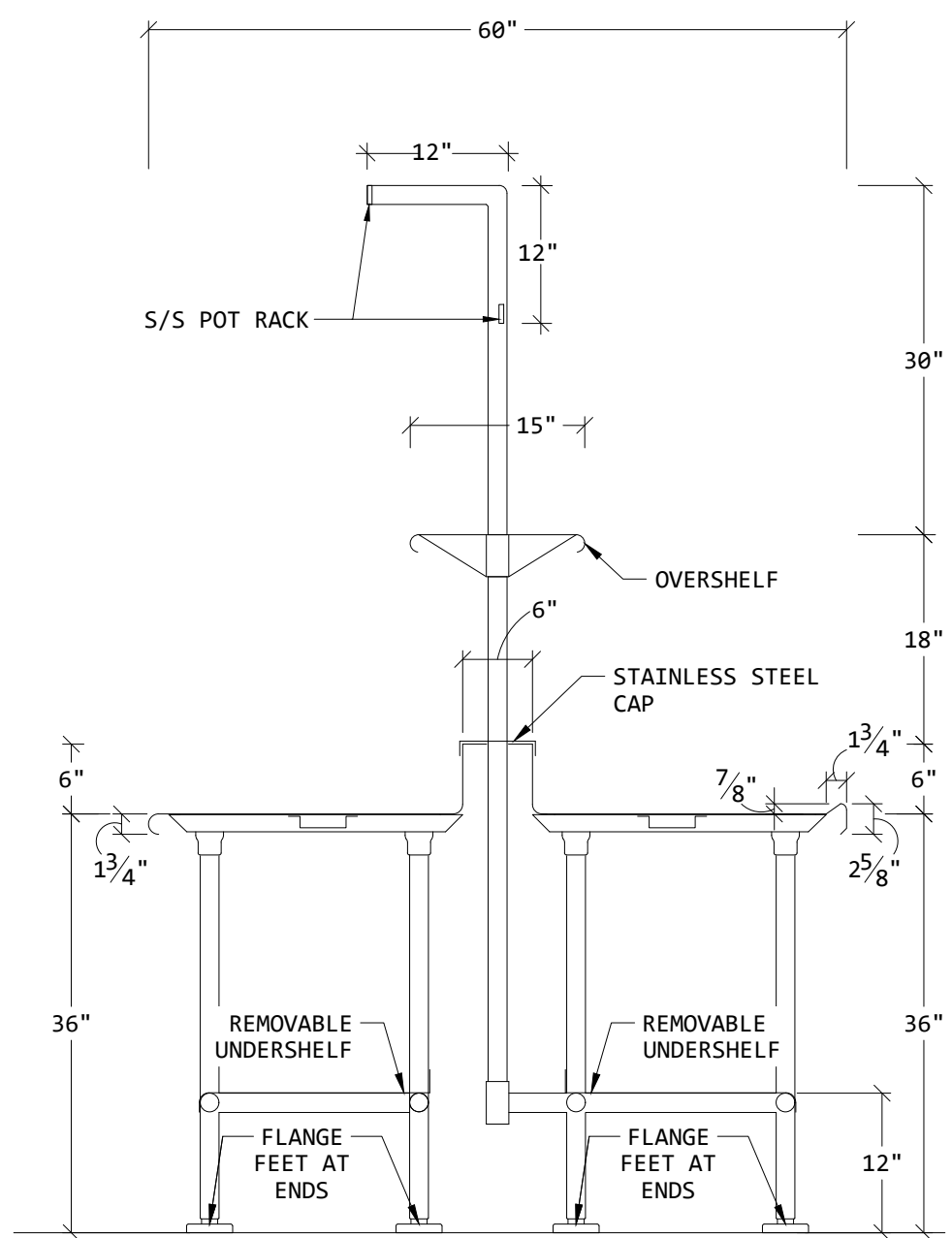
DRAWN BY: GF
CHECKED BY: GF
SHEET

FS1.01
Date: 10/02/25
Project No.: 21-001
File Name:
DESCRIPTION:
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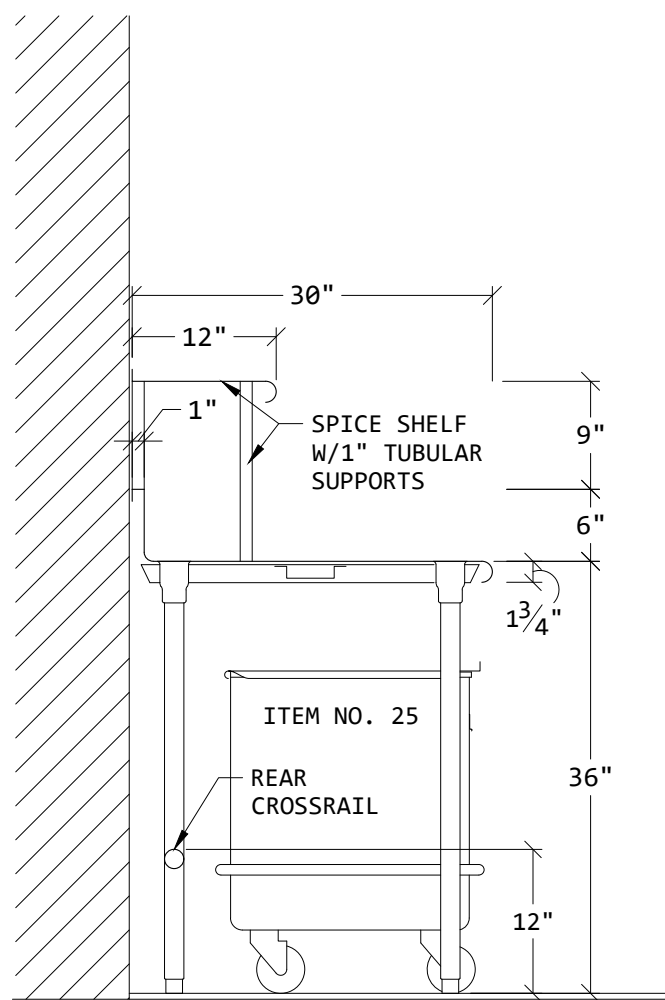
FUTCH DESIGN ASSOCIATES, INC.
SINCE 1966
FOOD FACILITIES DESIGNERS & CONSULTANTS
7948 GOODWOOD BOULEVARD
BATON ROUGE, LA 70806
PH: 225.923.1269
WEB: WWW.FUTCHDESIGN.COM
1543



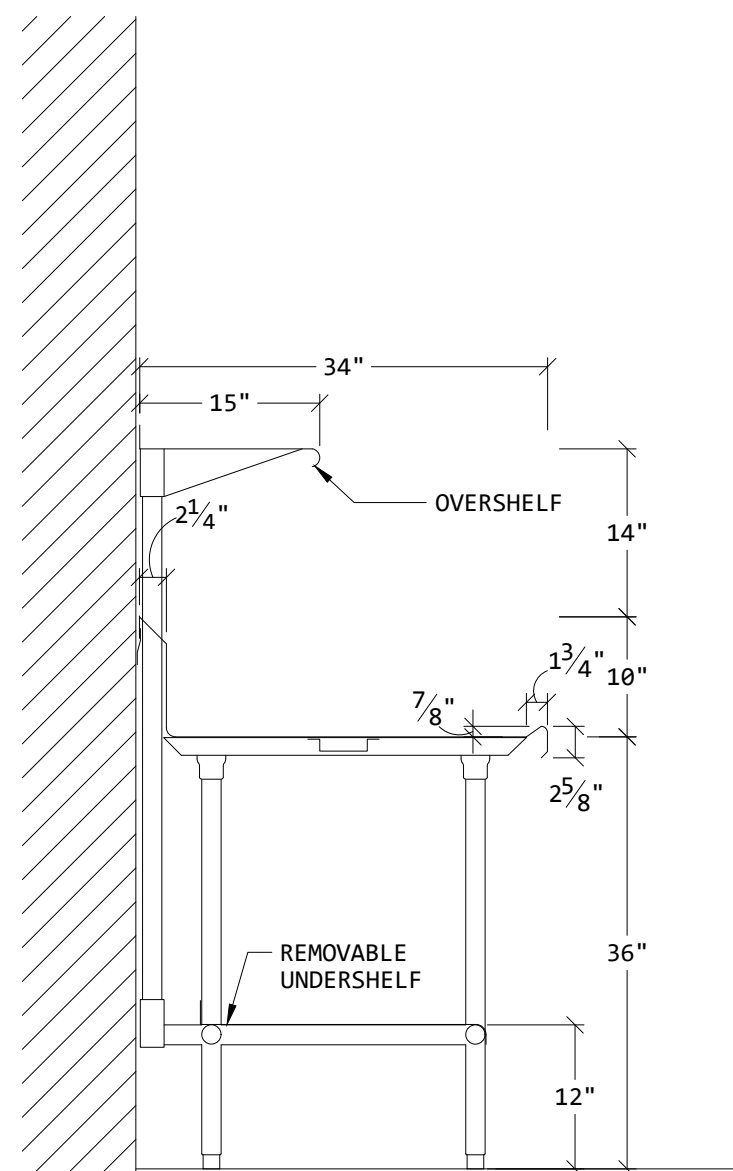
C PREPARATION COUNTER W/SINKS & OVERSHELF/POT RACK
REF: FS1.01 SCALE: 3/4"=1'-0"



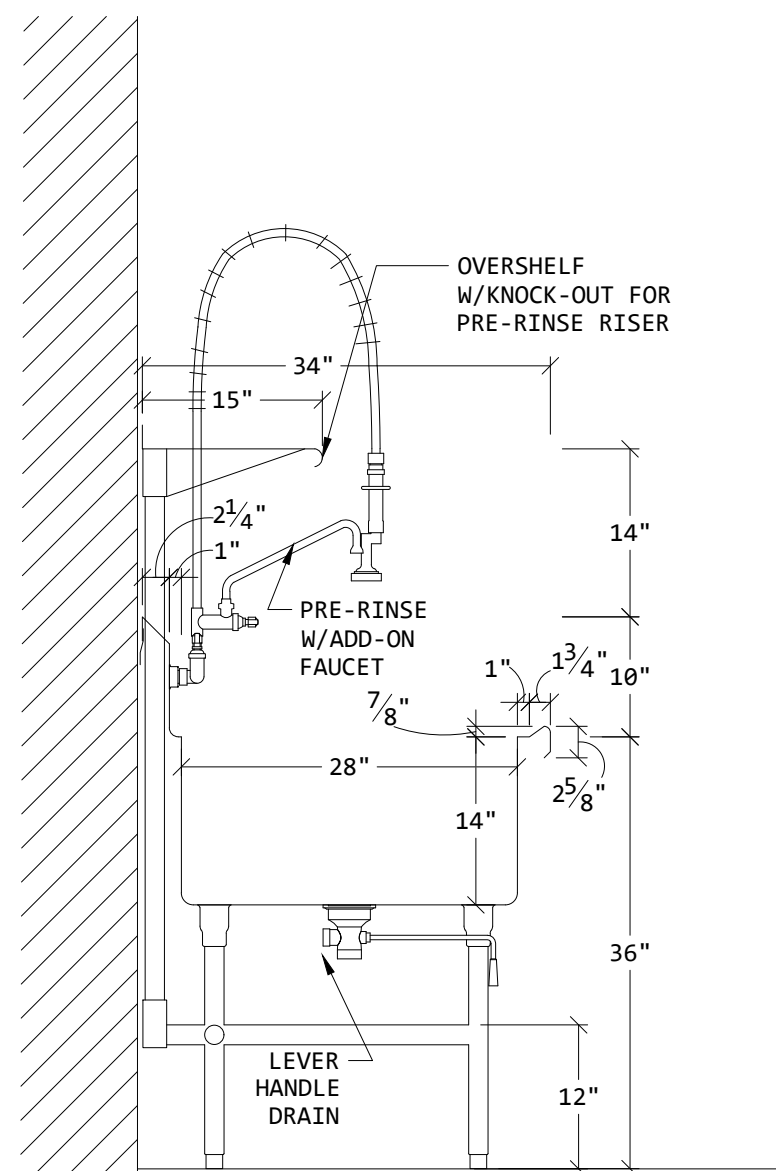
D PREPARATION COUNTER W/SINKS & OVERSHELF/POT RACK
REF: FS1.01 SCALE: 3/4"=1'-0"



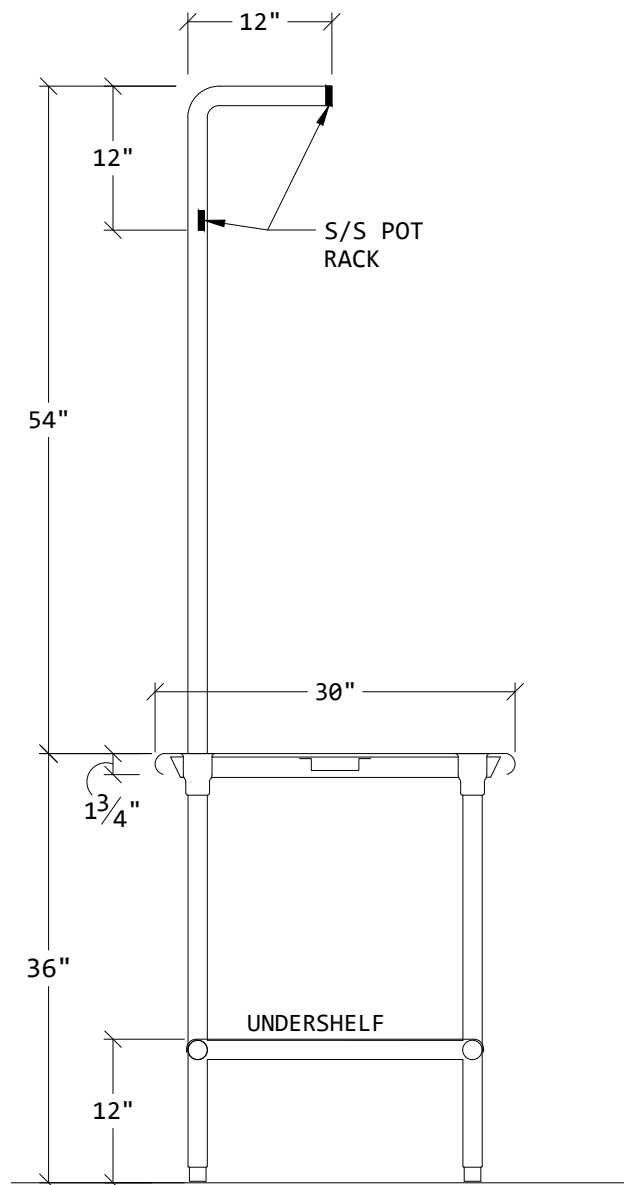
E BAKER'S TABLE W/SPICE SHELF
REF: FS1.01 SCALE: 3/4"=1'-0"



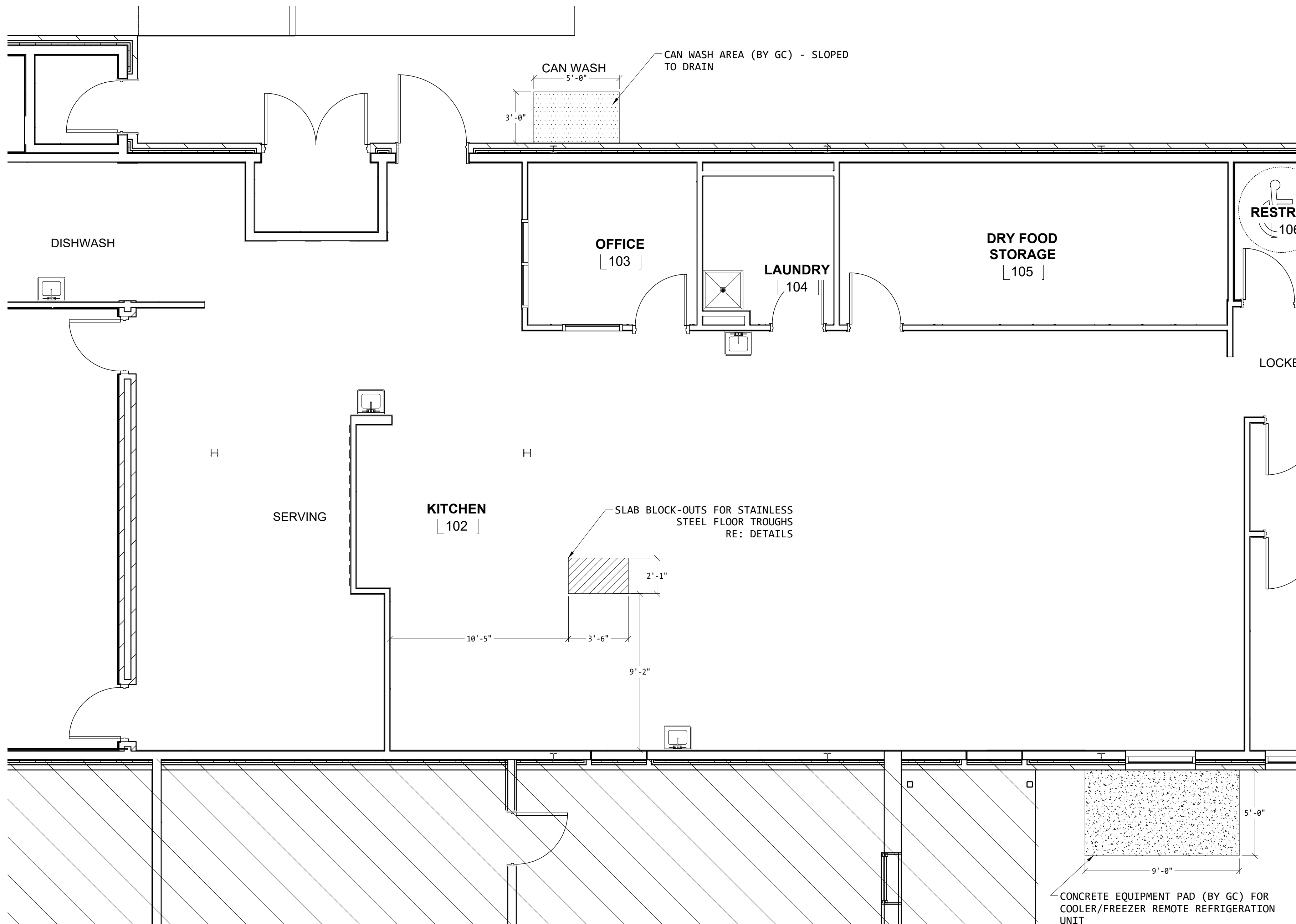
F 3-COMPARTMENT SINK W/OVERSHELF
REF: FS1.01 SCALE: 3/4"=1'-0"



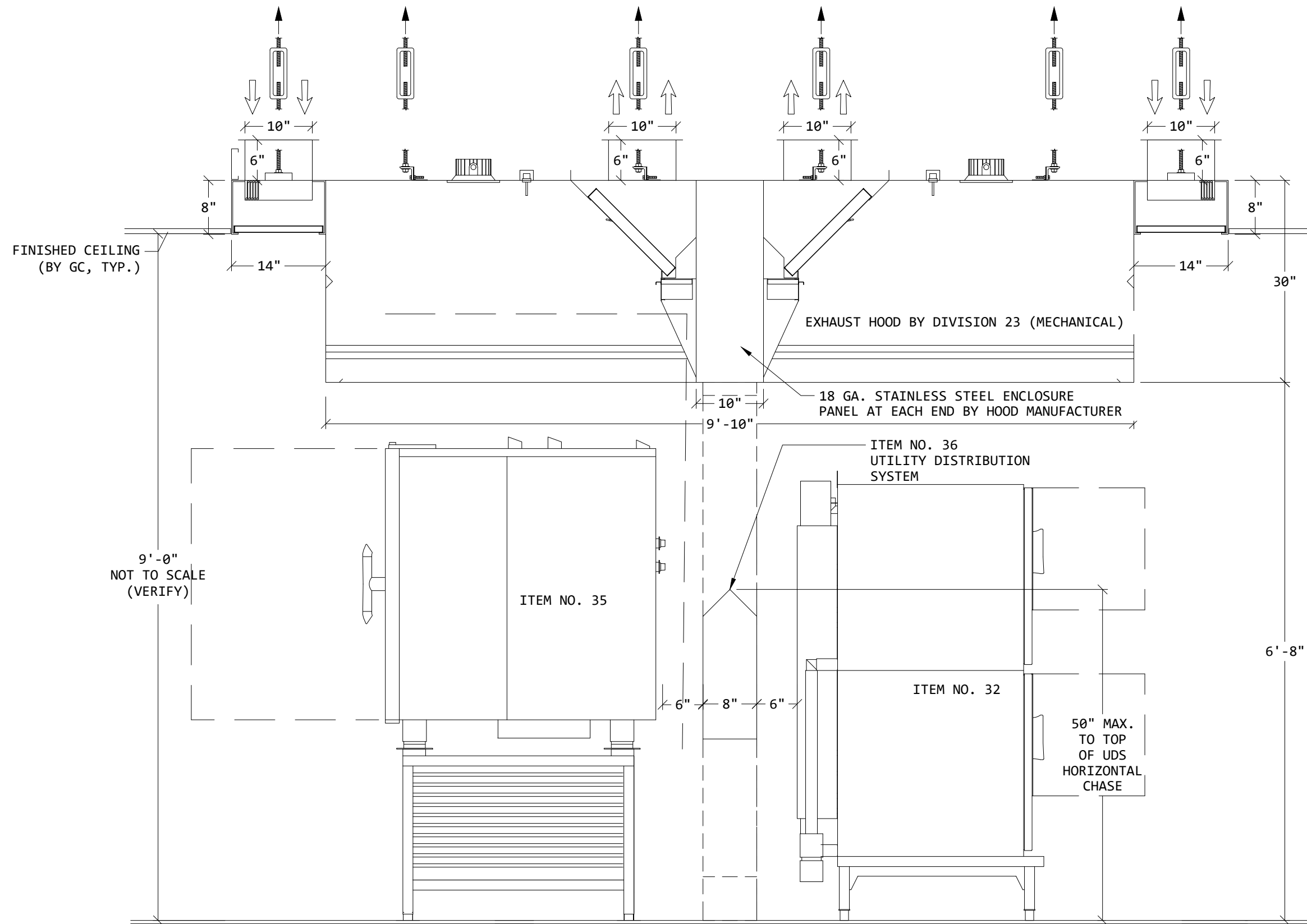
G 3-COMPARTMENT SINK W/OVERSHELF
REF: FS1.01 SCALE: 3/4"=1'-0"



H PREPARATION COUNTER AT SINK
REF: FS1.01 SCALE: 3/4"=1'-0"



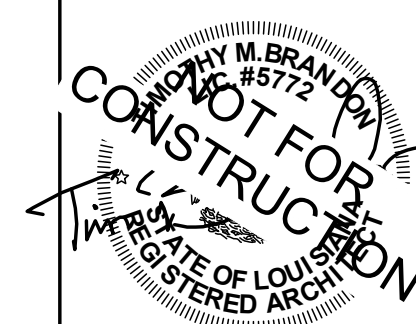
1 FOOD SERVICE EQUIPMENT SLAB RECESS FLOOR PLAN
1/4" = 1'-0" | RE:



I UTILITY DISTRIBUTION SYSTEM / EXHAUST HOOD
REF: FS1.01 SCALE: 3/4"=1'-0"

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DRAWN BY: GF

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FS2.01

Date: 10/02/25

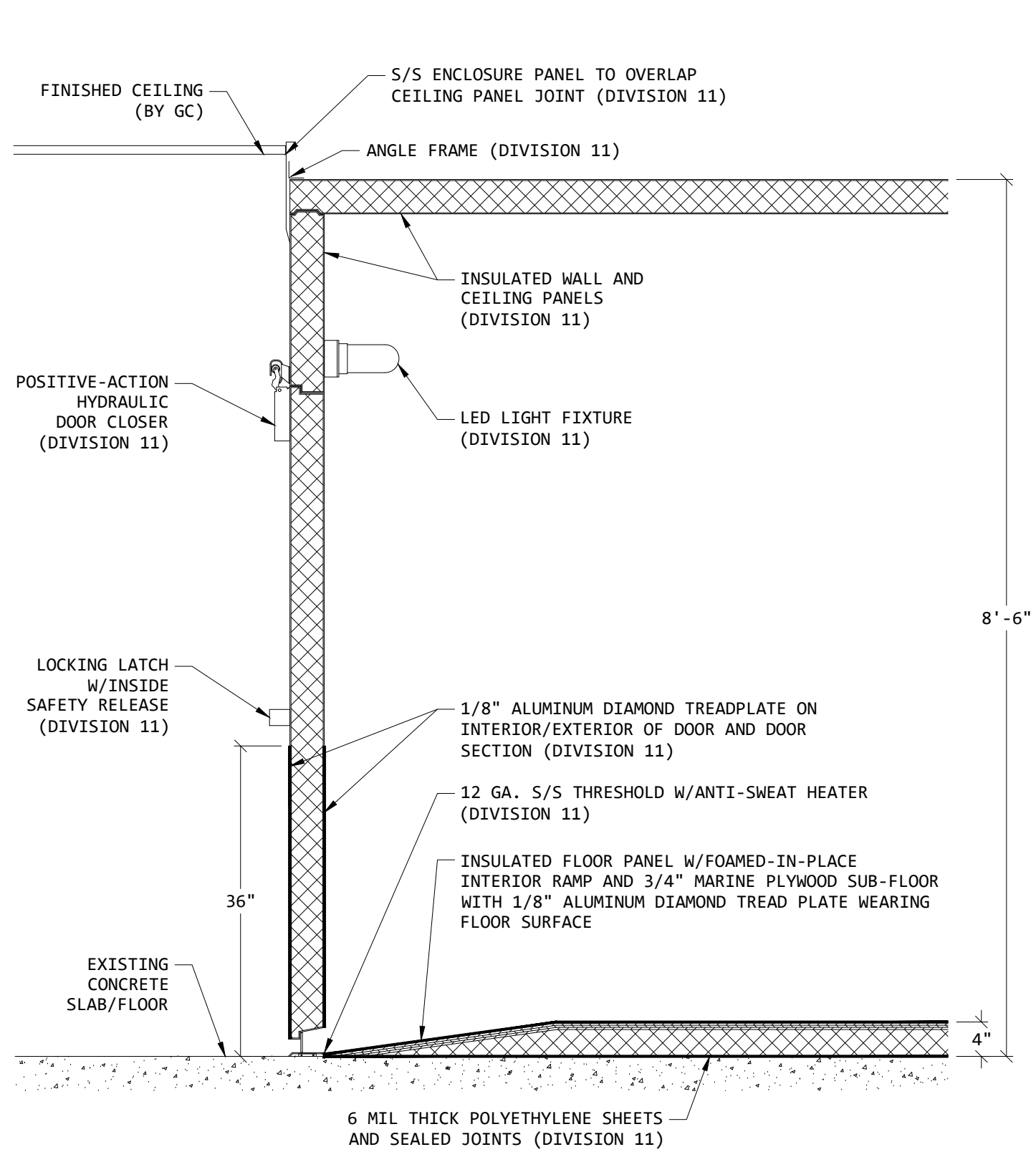
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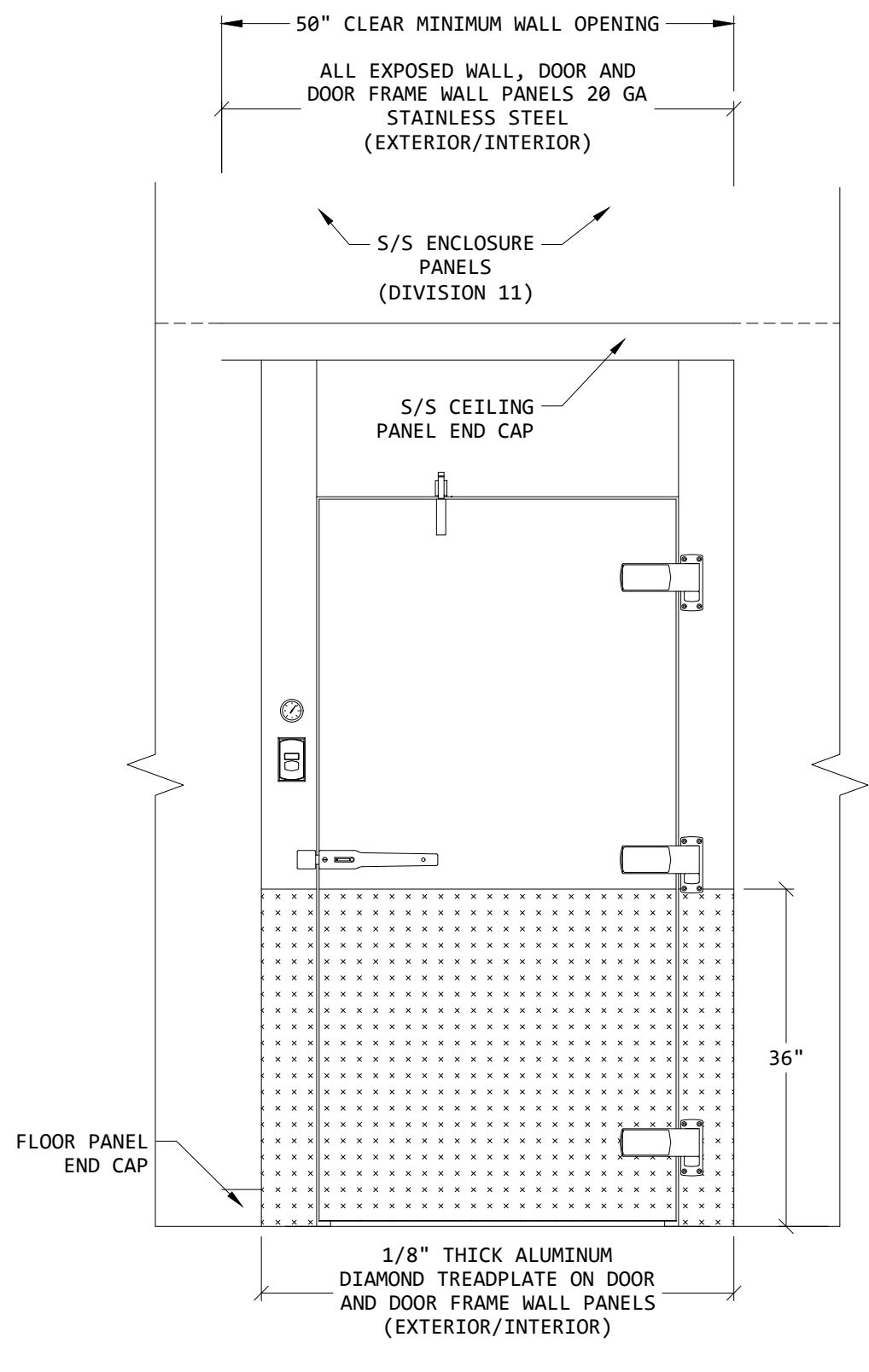
DESCRIPTION:

FOOD SERVICE
EQUIPMENT SLAB
RECESS PLAN

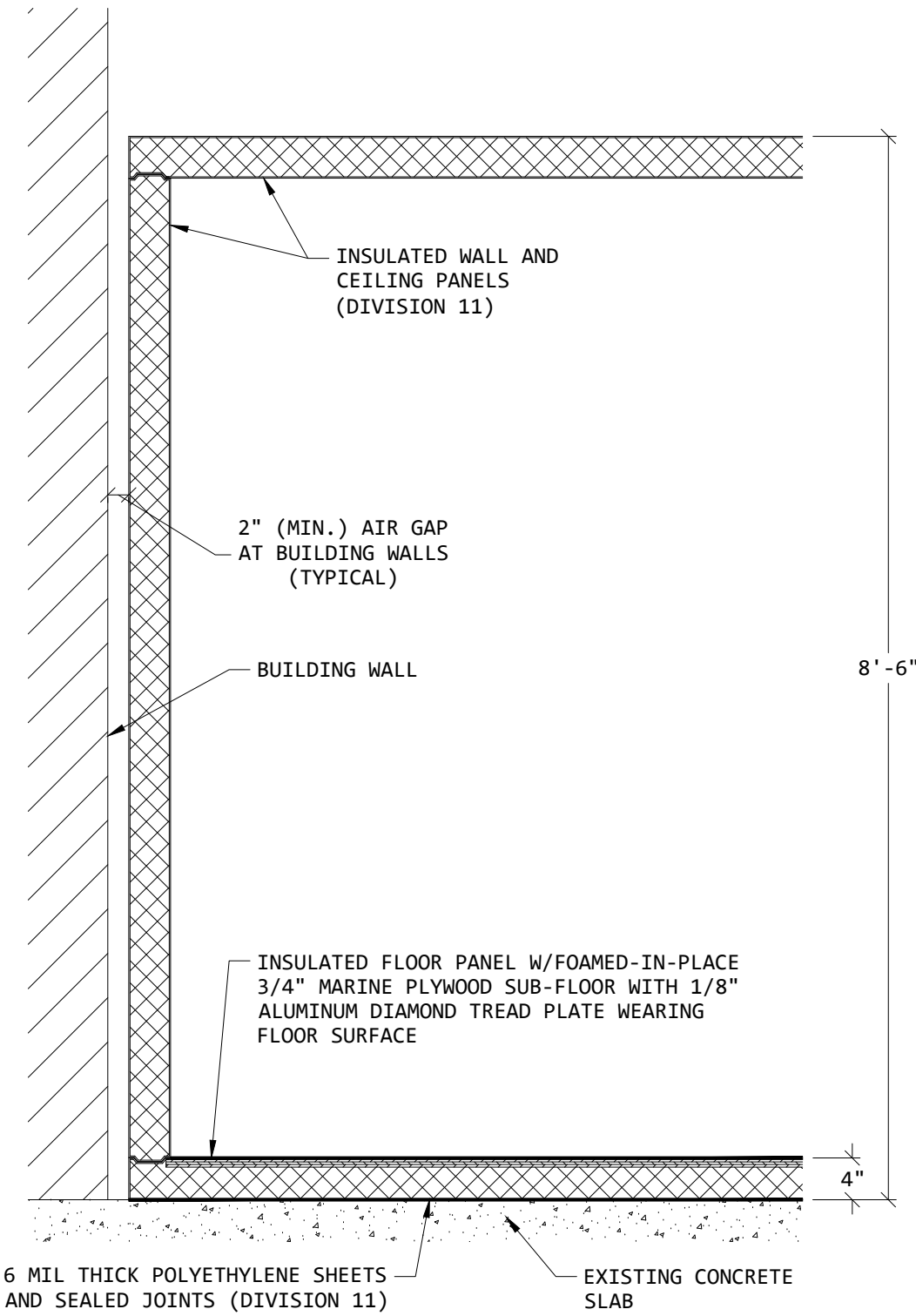




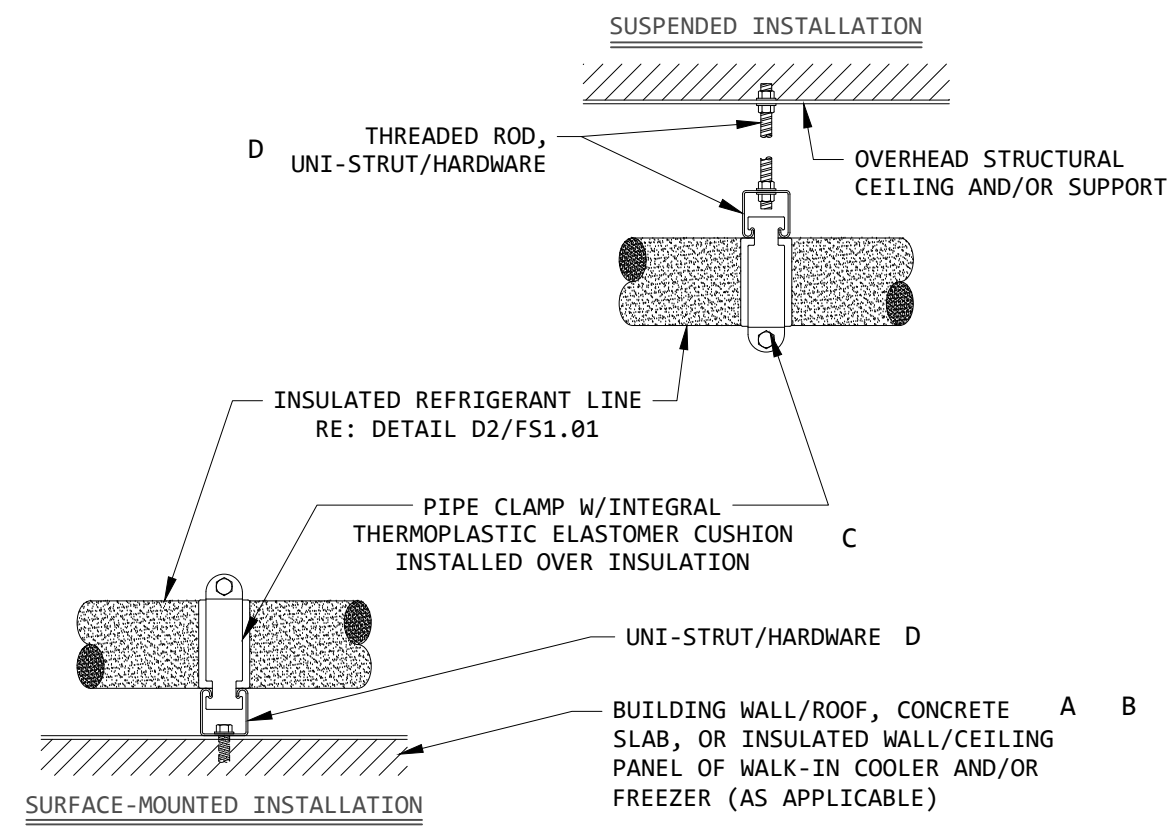
J WALK-IN COOLER/FREEZER AT COOLER ROOM DOOR
REF: FS1.01 SCALE: 3/4"=1'-0"



D2 WALK-IN COOLER/FREEZER DOOR SECTION FINISH DETAIL
REF: FS1.01 SCALE: NONE

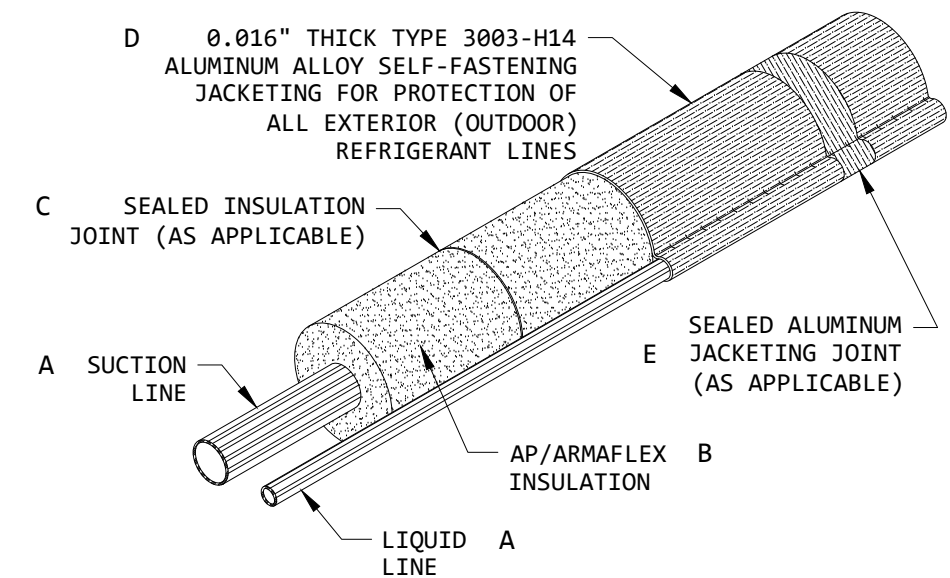


K WALK-IN COOLER/FREEZER AT BUILDING WALLS
REF: FS1.01 SCALE: 3/4"=1'-0"



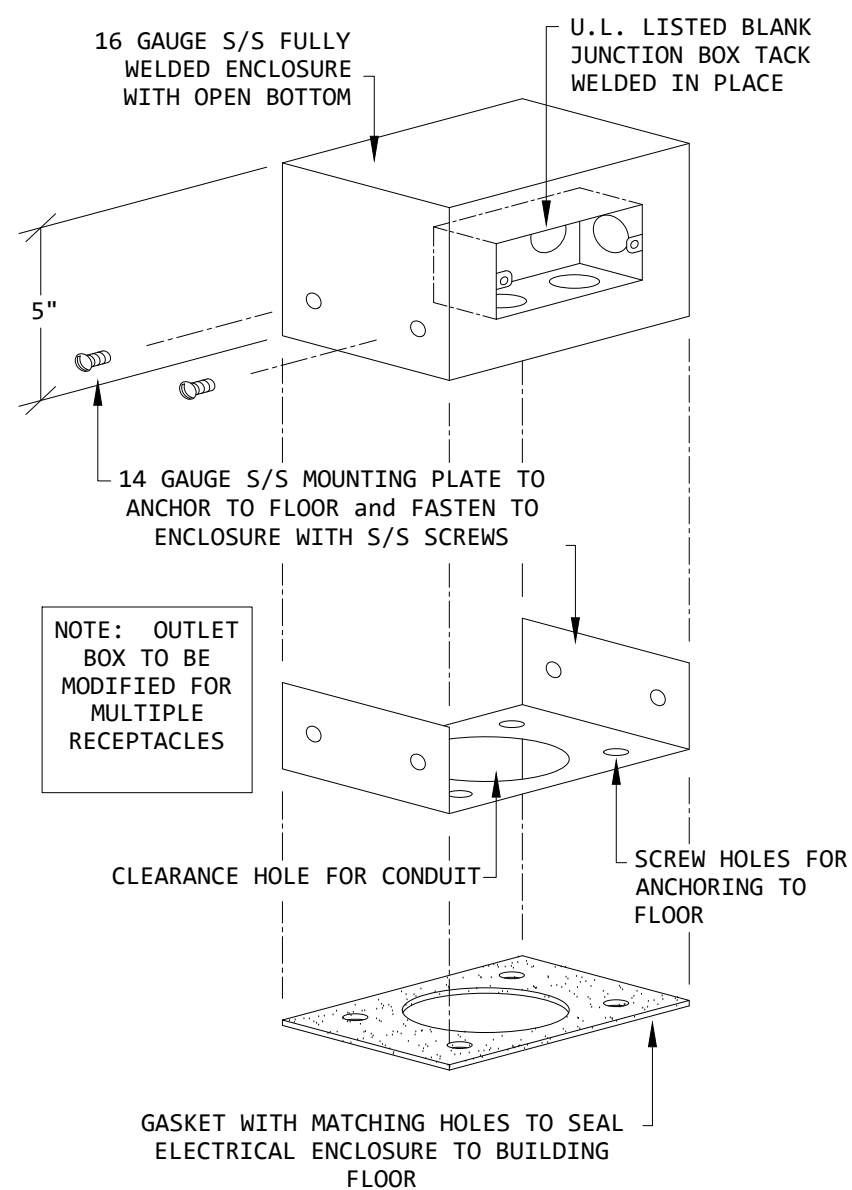
- DETAIL KEYNOTES**
- MOUNTING TO INSULATED CEILING PANELS NOT ALLOWED FOR OUTDOOR COOLER/FREEZER INSTALLATIONS AND SHALL BE AVOIDED WHENEVER POSSIBLE FOR INDOOR INSTALLATIONS. WHEN MOUNTING TO INSULATED WALL OR CEILING PANELS, HARDWARE SHALL NOT PENETRATE MORE THAN HALF WAY THROUGH PANEL DEPTH -- PENETRATIONS SHALL BE FILLED AND SEALED WITH USDA GRADE SILICONE TO PREVENT MOISTURE INTRUSION.
 - BUILDING ROOF PENETRATIONS SHALL BE FILLED AND SEALED UTILIZING BEST INDUSTRY PRACTICES AND IN ACCORDANCE WITH LOCAL BUILDING CODES.
 - STANDARD PIPE CLAMPS MAY BE UTILIZED ON OUTDOOR ALUMINUM-JACKETED AND INSULATED REFRIGERANT LINES.
 - HARDWARE (NUTS, BOLTS) SHOWN FOR REFERENCE ONLY. FURNISH AND INSTALL NECESSARY STAINLESS STEEL HARDWARE IN A WORKMANLIKE MANNER AND IN COMPLIANCE WITH LOCAL BUILDING CODES TO MEET PROJECT REQUIREMENTS.

D3 REFRIGERANT LINE SUPPORT
REF: FS2.1 SCALE: NONE

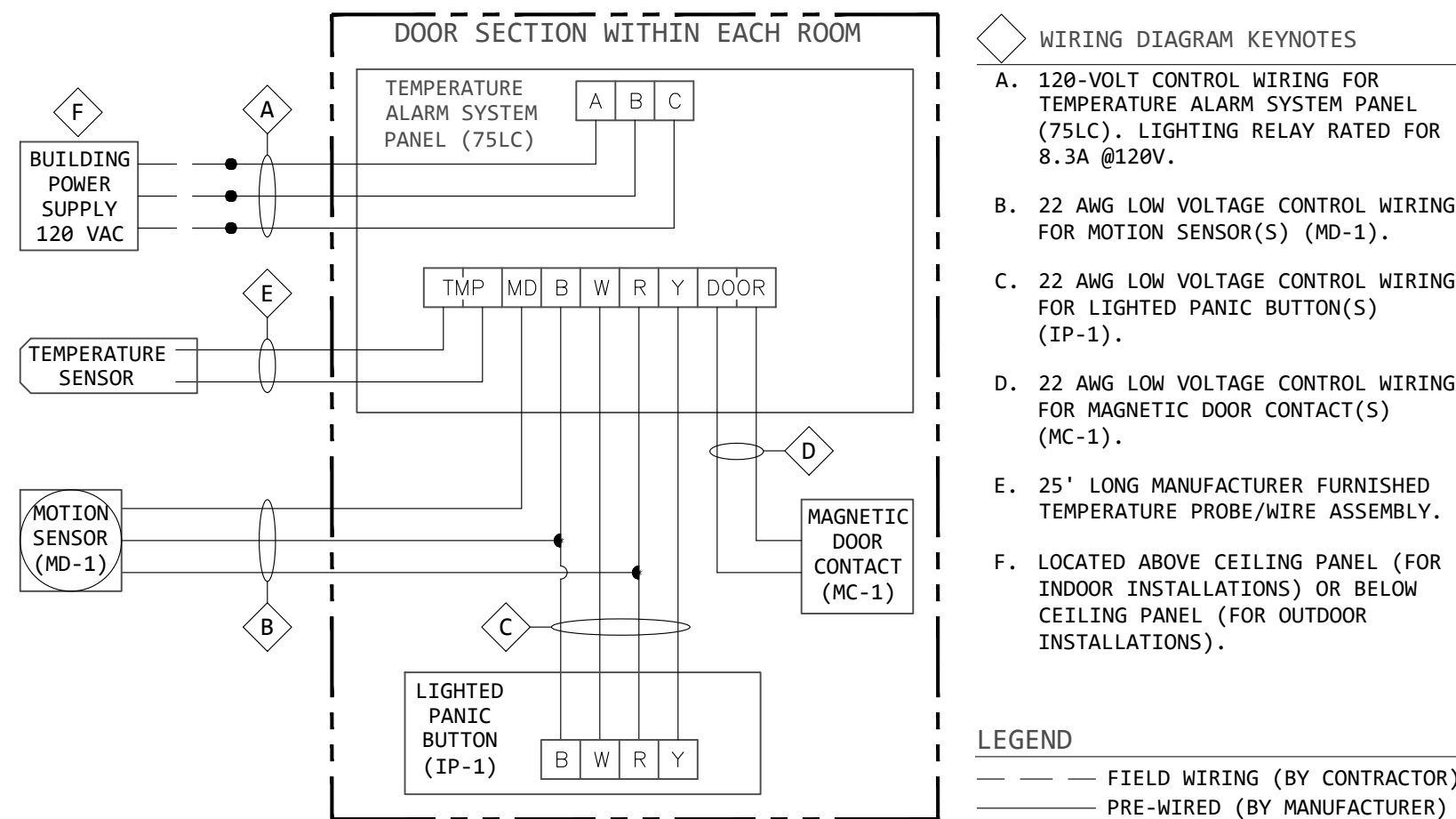


- DETAIL KEYNOTES**
- ALL REFRIGERANT LINES SHALL BE RIGID REFRIGERANT GRADE TYPE "L" COPPER.
 - ALL REFRIGERANT LINES SUBJECT TO SWEATING SHALL BE FULLY INSULATED WITH AP/ARMAFLEX AS FOLLOWS:
- 3/4" (MINIMUM) FOR COOLER LINES; 1-1/2" FOR POORLY VENTILATED AREAS.
- 1" (MINIMUM) FOR FREEZER LINES; 2" FOR POORLY VENTILATED AREAS.
 - ALL JOINTS SHALL BE SEALED WITH GLUE IN ACCORDANCE WITH INSULATION MANUFACTURER'S RECOMMENDATIONS. DUCT TAPE AT JOINTS IS NOT ACCEPTABLE.
 - FURNISH AND INSTALL MATCHING ALUMINUM JACKETING ELBOW COVERS AT ALL EXTERIOR (OUTDOOR) REFRIGERANT PIPING ANGLES AND BENDS.
 - FURNISH AND INSTALL MATCHING ALUMINUM JACKETING STRAPPING AND SEALS AT ALL JOINTS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

D4 REFRIGERANT LINE INSULATION & JACKETING
REF: FS2.1 SCALE: NONE



D5 S/S FLOOR MOUNTED OUTLET BOX DETAIL
REF: FS2.01 SCALE: NONE

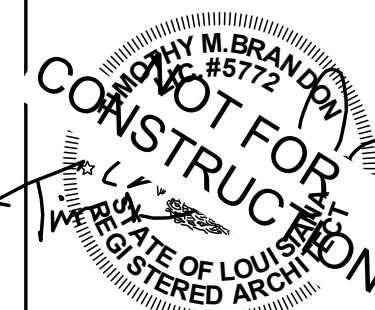


NOTE:
WIRING DIAGRAM IS BASED ON SPECIFIED BASIS OF DESIGN EQUIPMENT - VERIFY REQUIREMENTS WITH MANUFACTURER SHOP DRAWINGS AND/OR AS-BUILT WIRING DIAGRAMS OF FURNISHED EQUIPMENT

D6 WALK-IN COOLER/FREEZER TEMPERATURE ALARM & LIGHT CONTROLS WIRING DIAGRAM
REF: FS4.01 SCALE: NONE

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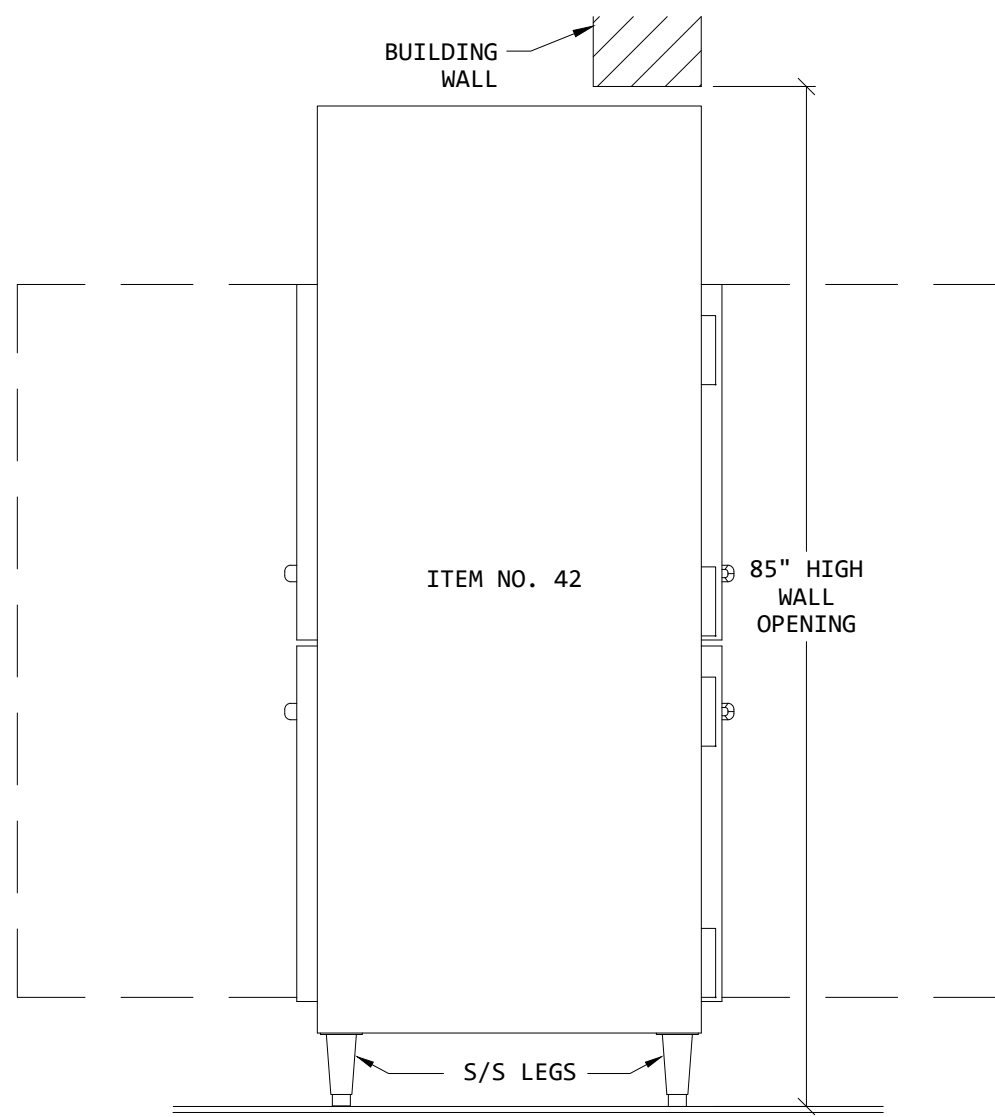
Project No.: 21-001

File Name:

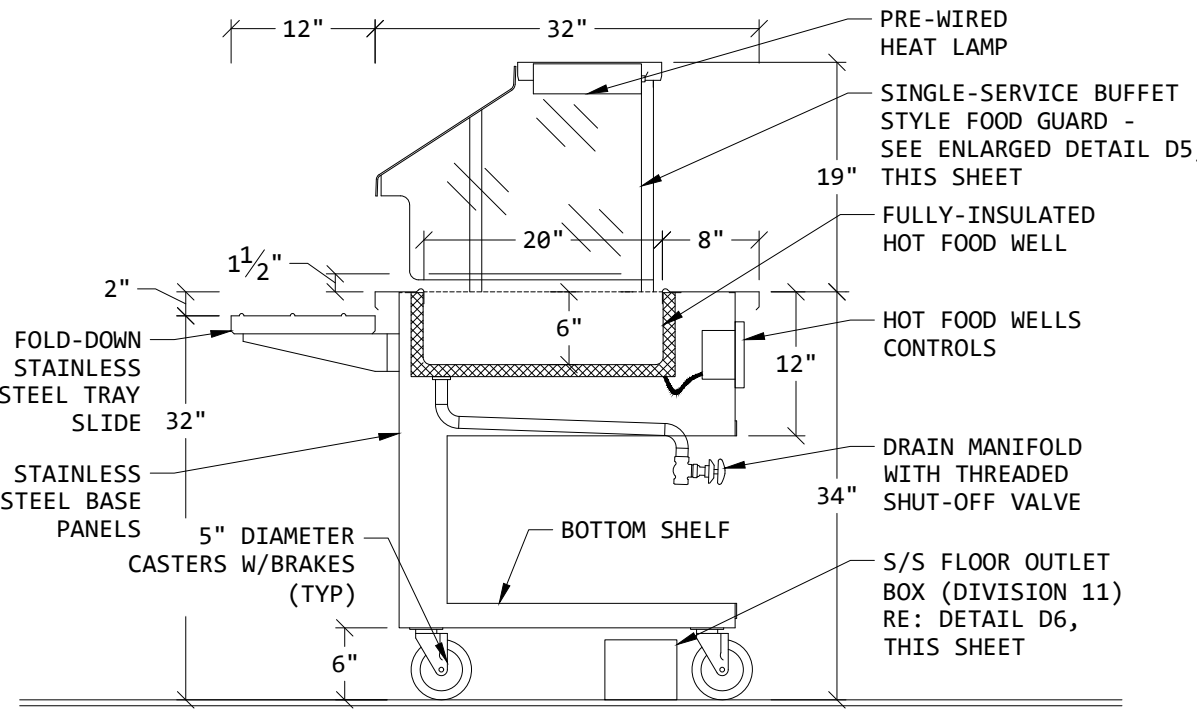
DESCRIPTION:

FOOD SERVICE
DETAILS

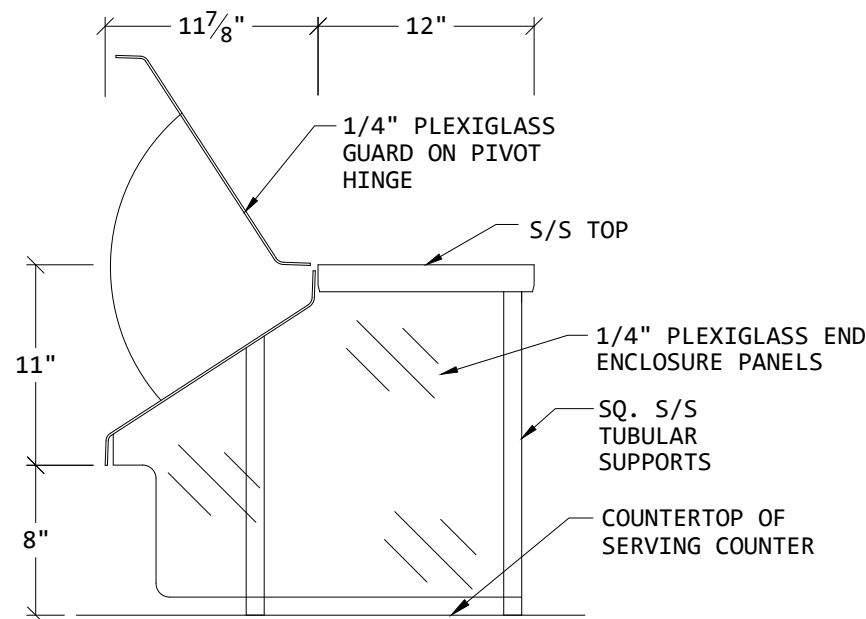
FUTCH DESIGN ASSOCIATES, INC.
FOOD FACILITIES DESIGNERS & CONSULTANTS
7948 GOODWOOD BOULEVARD
BATON ROUGE, LA 70806
PH: 225.923.1269
WEB: WWW.FUTCHDESIGN.COM
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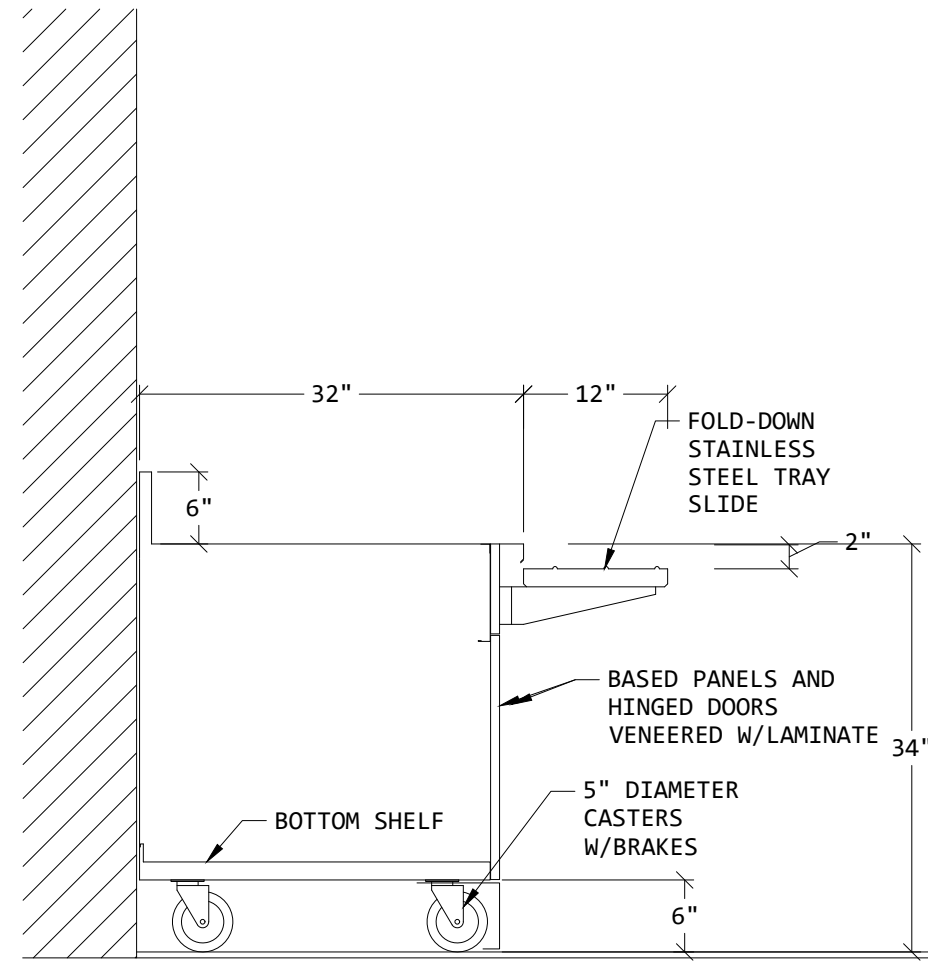
L PASS-THRU REFRIGERATOR
REF: FS1.01 SCALE: 3/4"=1'-0"



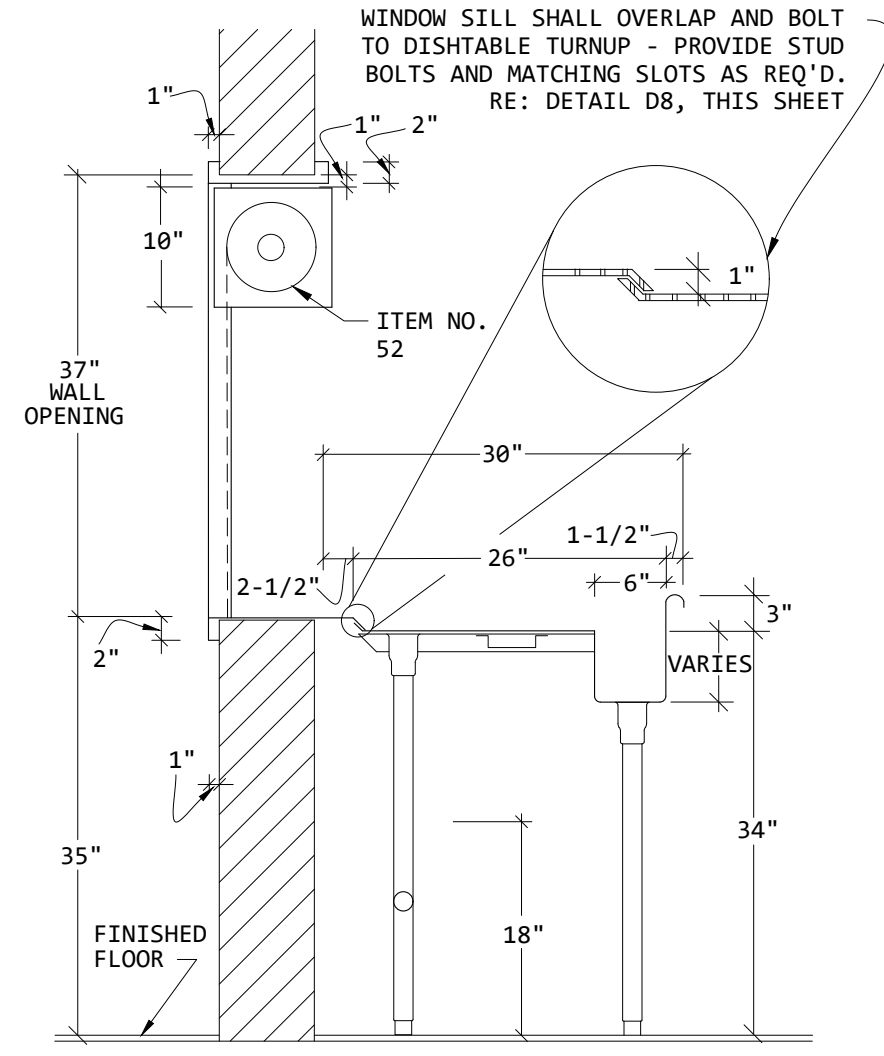
M MOBILE HOT FOOD COUNTER
REF: FS1.01 SCALE: 3/4"=1'-0"



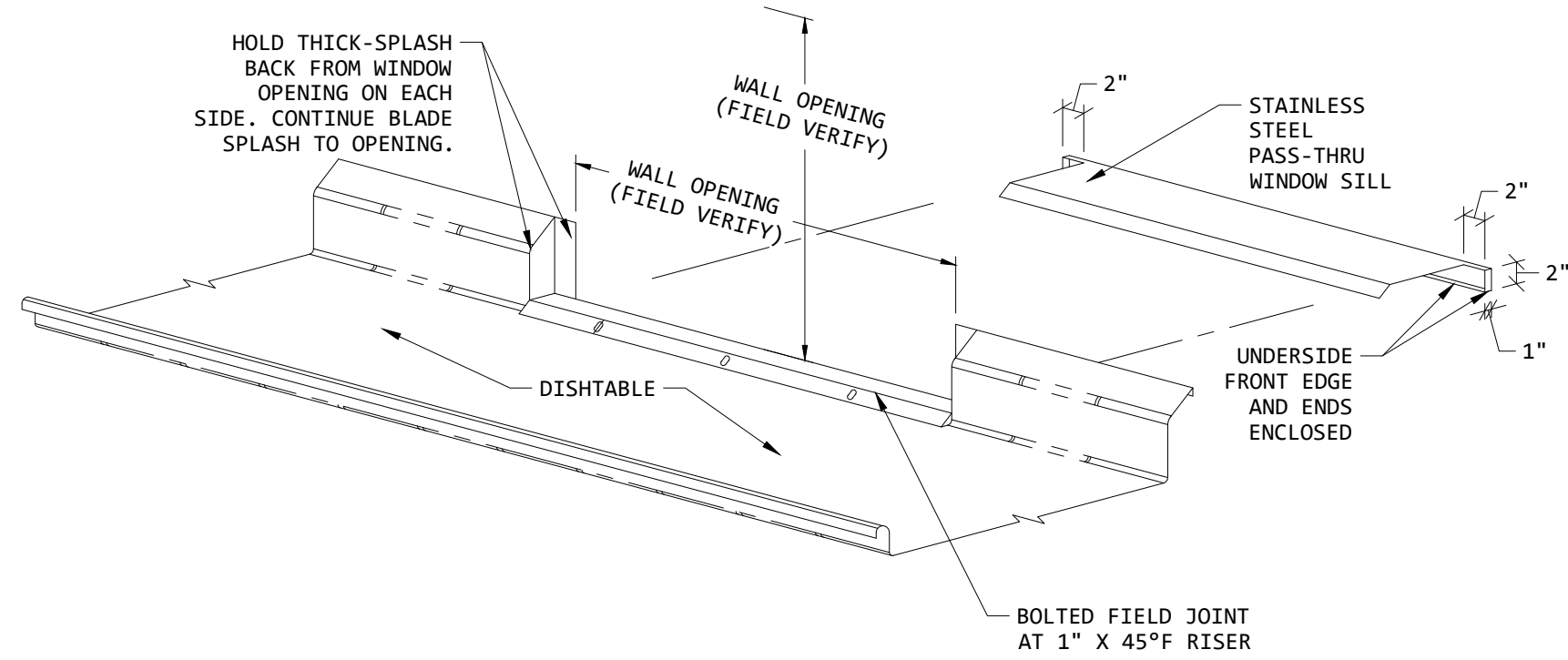
D7 ENLARGED DETAIL - BUFFET-STYLE FOOD GUARD
REF: FS2.03 SCALE: NONE



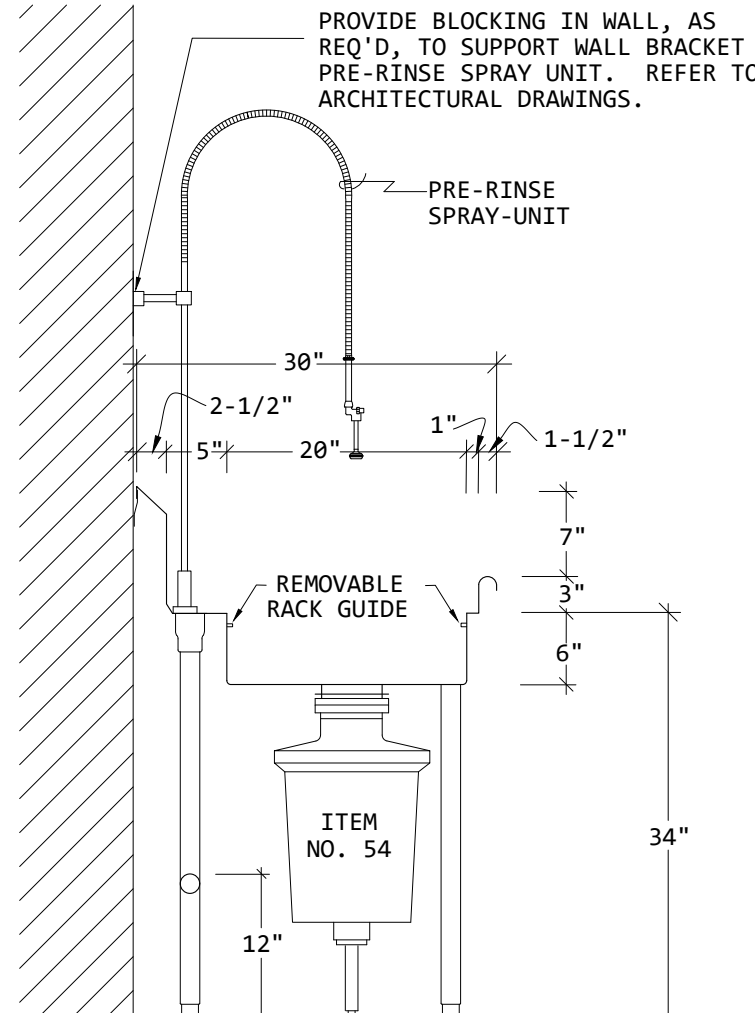
N MOBILE CONDIMENT COUNTER
REF: FS1.01 SCALE: 3/4"=1'-0"



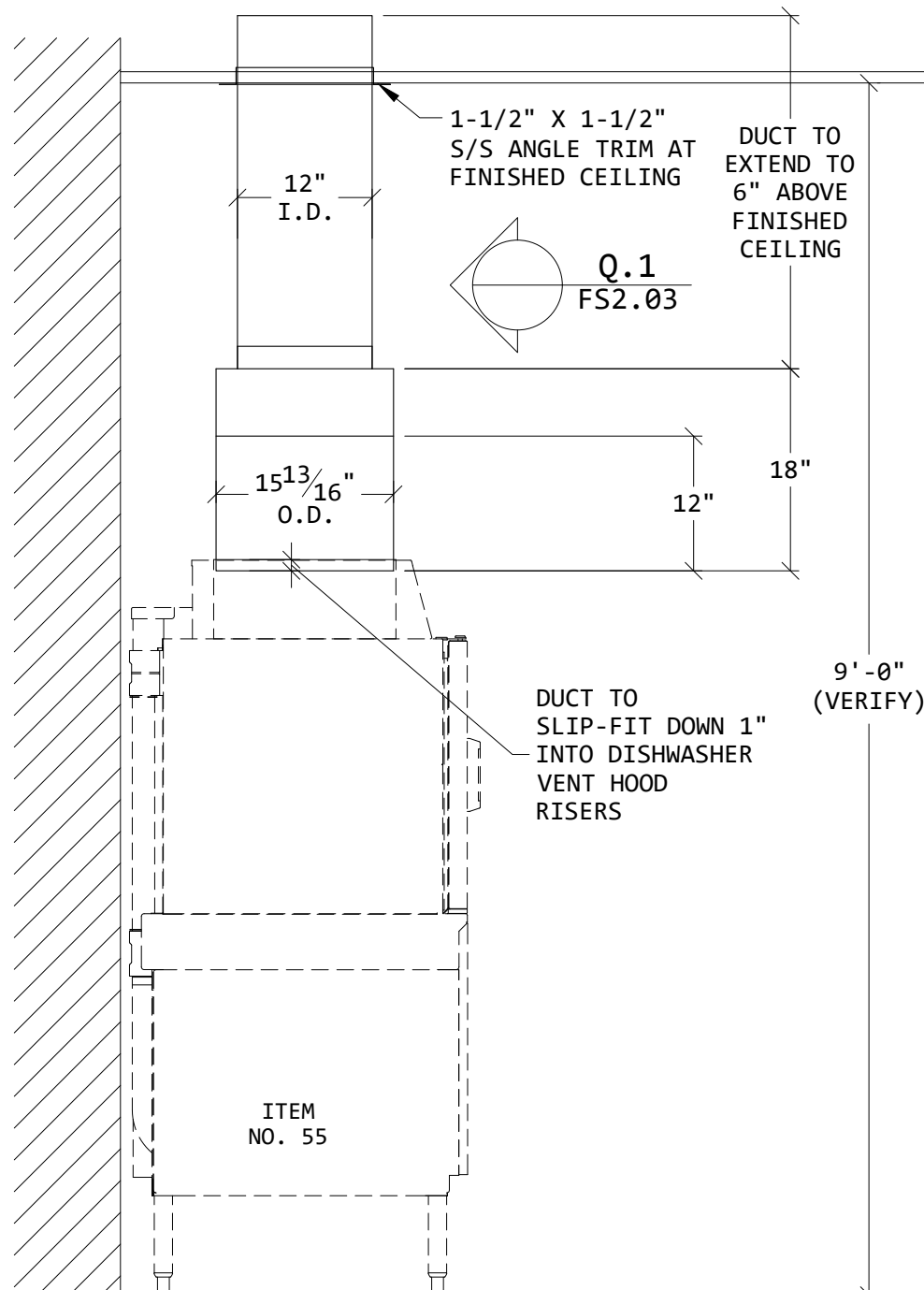
O PASS-THRU WINDOW SILL & ROLL-DOWN COUNTER DOOR
REF: FS1.01 SCALE: 3/4"=1'-0"



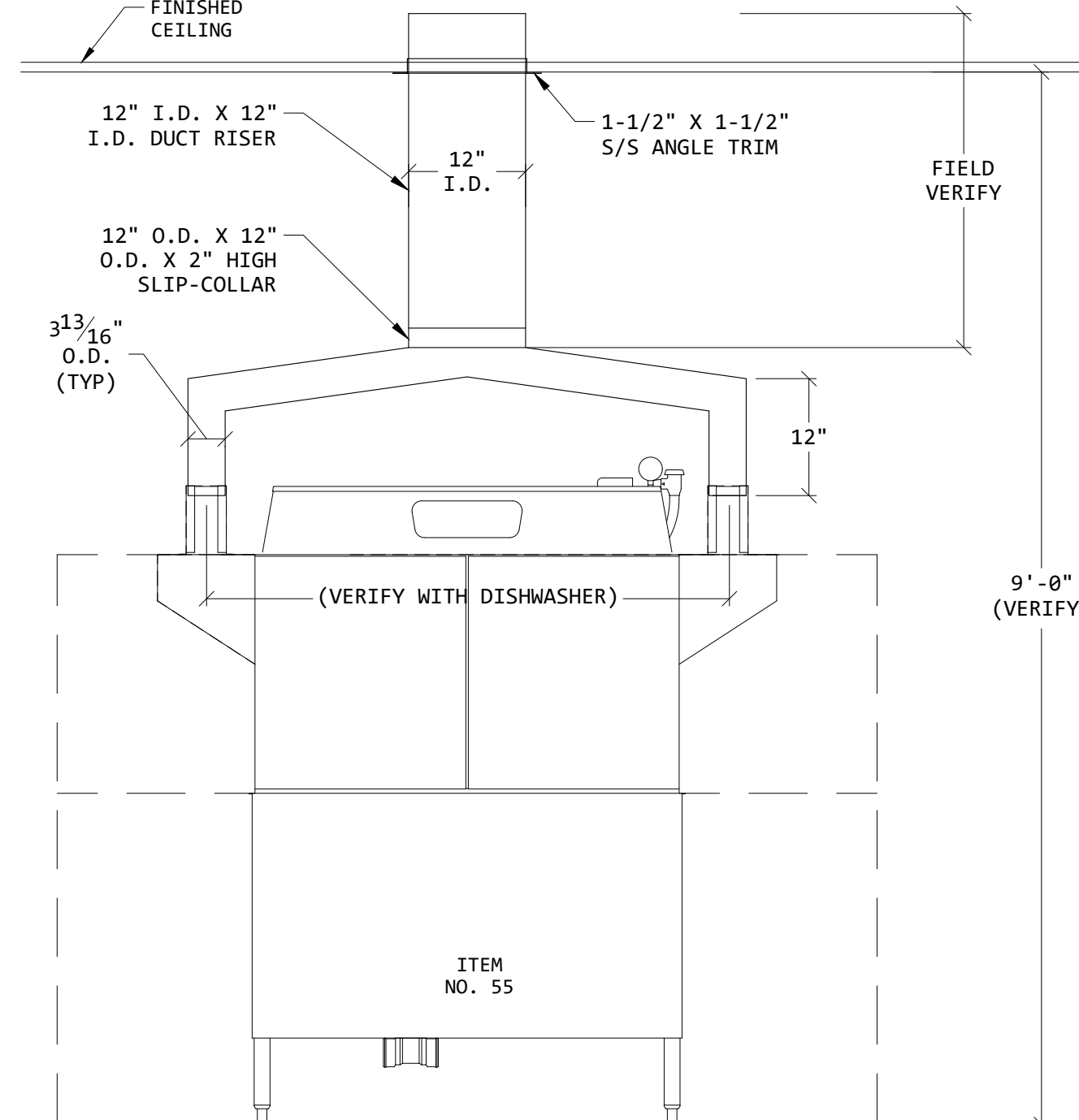
D8 ENLARGED DETAIL - SOILED DISHTABLE & SILL
REF: FS2.03 SCALE: NONE



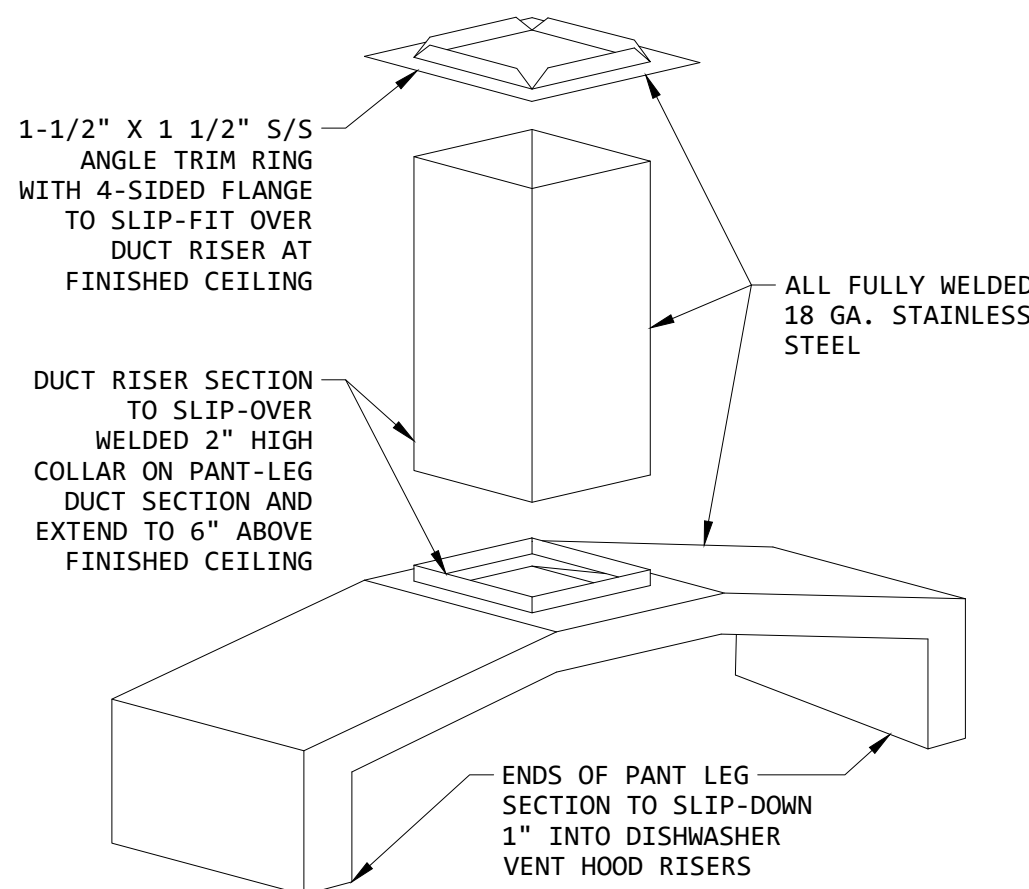
P SOILED DISHTABLE W/PRERINSE SINK
REF: FS1.01 SCALE: 3/4"=1'-0"



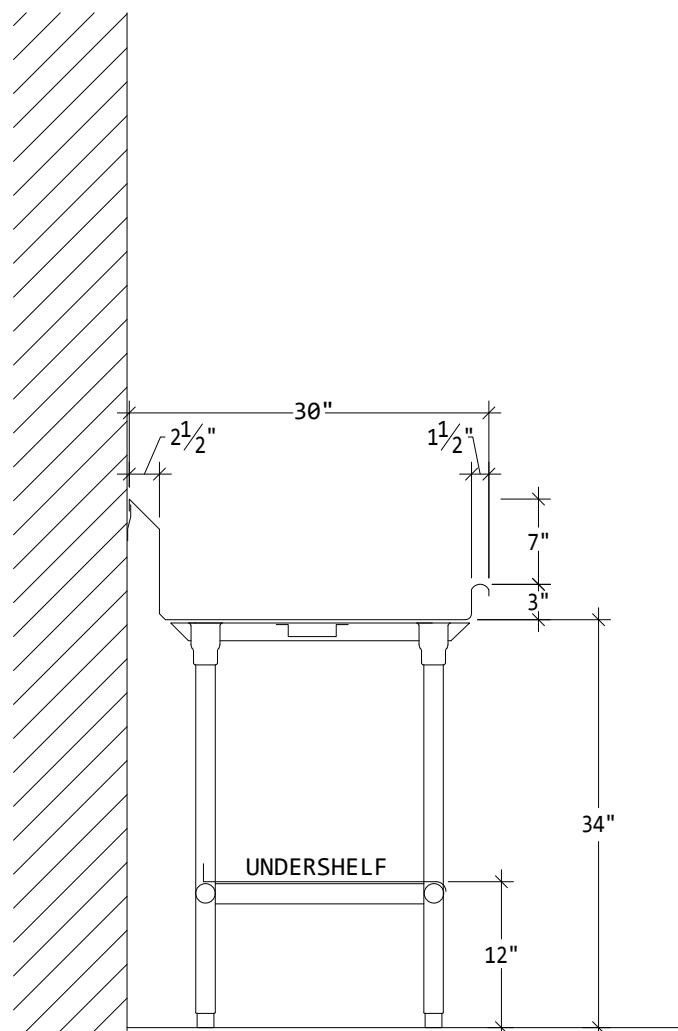
Q CONDENSATE PANT LEG EXHAUST DUCT
REF: FS1.01 SCALE: 3/4"=1'-0"



Q.1 FRONT ELEVATION - CONDENSATE PANT LEG EXHAUST DUCT
REF: FS3.01 SCALE: 3/4"=1'-0"



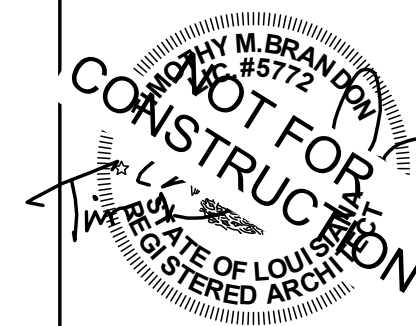
D9 EXPLODED DETAIL - CONDENSATE PANT LEG EXHAUST DUCT
REF: FS2.03 SCALE: NONE



R CLEAN DISHTABLE AT FLAT TOP
REF: FS1.01 SCALE: 3/4"=1'-0"

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Date: 10/02/25

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File Name:

DESCRIPTION:

FOOD SERVICE
DETAILS



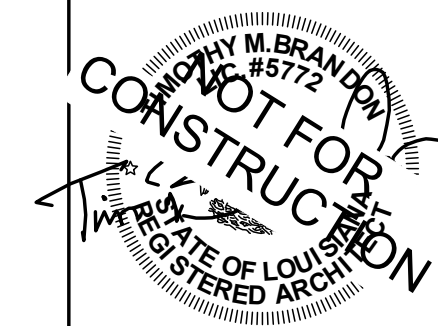


FOOD SERVICE EQUIPMENT PLUMBING/MECHANICAL ROUGH-IN SYMBOLS & ABBREVIATIONS	
CW	COLD WATER
HW	HOT WATER
GPM	GALLONS PER MINUTE
GPH	GALLONS PER HOUR
PSI	POUNDS PER SQUARE INCH
DR	DIRECT CONNECTED DRAIN
FD-A	FLOOR DRAIN W/FLUSH MOUNTED GRATE
FD-B	FLOOR DRAIN W/RECESSED GRATE
FS	FLOOR SINK W/DOME STRAINER
BTU/HR	BRITISH THERMAL UNIT PER HOUR
WC	WATER COLUMN GAS PRESSURE
	EXHAUST/SUPPLY DUCT OPENING
CFM	CUBIC FEET PER MINUTE
SP	STATIC PRESSURE
AFF	ABOVE FINISHED FLOOR
DFA	DOWN FROM ABOVE
UDS	UTILITY DISTRIBUTION SYSTEM

1. ROUGH-IN PLAN SHOWS APPROXIMATE LOCATIONS FOR UTILITY REQUIREMENTS OF FOOD SERVICE EQUIPMENT SPECIFIED (INCLUDING OWNER FURNISHED, OWNER INSTALLED EQUIPMENT) PLUS AREA CLEAN-UP FLOOR DRAINS. CONTRACTOR SHALL FURNISH DIMENSIONED LOCATIONS FROM FINISHED WALLS AND/OR CENTER-LINE OF COLUMNS FOR ALL UTILITIES SHOWN ON CONTRACT DOCUMENT ROUGH-IN DRAWINGS.
2. WHERE POSSIBLE, ALL PLUMBING LINES SHALL EXTEND UP THROUGH AND OUT OF BUILDING WALLS.
3. EXTEND AND CONNECT ALL PLUMBING LINES TO CONNECTION POINTS OF FOOD SERVICE EQUIPMENT - DIVISION 22.
4. FURNISH AND INSTALL LINE SHUT-OFF VALVES ON ALL PLUMBING LINES AT EACH FIXTURE - DIVISION 22.
5. EXTEND WATER LINES THROUGH VACUUM BREAKERS (FURNISHED BY DIVISION 11) WHERE INLETS ARE SUBJECT TO SUBMERSION - DIVISION 22.
6. FURNISH WATER INLET VALVES, TEMPERATURE GAUGES, PRESSURE REDUCING VALVES (FOR LOWER PRESSURES THAN INDICATED ON DRAWINGS), MIXING VALVES, AND ACCESSORIES REQUIRED FOR OPERATION OF EQUIPMENT - DIVISION 11.
7. FURNISH SINK FAUCETS, TAIL PIECES, LEVER HANDLE DRAINS AND VACUUM BREAKERS - DIVISION 11.
8. FURNISH AND INSTALL 2" DRAIN LINE EXTENSIONS FROM SINK REQUIRING OPEN SITE DRAINS TO BUILDING FLOOR SINK - DIVISION 22. 2" AIR-GAP REQUIRED.
9. SLOPE CONDENSATE DRAIN LINES GENEROUSLY (1/2" PER LINEAL FOOT MINIMUM) FROM WALK-IN COOLER AND FREEZER COILS TO 6" ABOVE WALK-IN FLOOR AND EXTEND THROUGH WALK-IN PANELS AND BUILDING WALLS (WHERE APPLICABLE) TO FLOOR DRAIN - DIVISION 11. DRAIN LINE TRAP AND 2" AIR-GAP REQUIRED.
10. WALK-IN PANEL PENETRATIONS FOR REFRIGERANT PIPING AND DRAIN LINES SHALL BE SEALED WITH FOAM URETHANE.
11. FURNISH AND INSTALL 1-1/2" AND 2" HIGH-TEMP (200°F+) RATED DRAIN LINES FROM COMBI-OVEN/STEAMER AND CONVECTION STEAMER RESPECTIVELY TO FLOOR SINKS - DIVISION 22. 2" AIR-GAP REQUIRED
12. TEST INTERNAL WATER PIPING OF UDS (FURNISHED BY DIVISION 11) FOR LEAKS CAUSED BY SHIPPING AND TIGHTEN AS REQUIRED - DIVISION 22.
13. CONNECT EIGHT (8) WATER QUICK-DISCONNECT HOSE ASSEMBLIES (FURNISHED BY DIVISION 11) TO COOKING EQUIPMENT - DIVISION 22.
14. INSTALL MECHANICAL GAS SHUT-OFF VALVE (FURNISHED BY DIVISION 11) OF FIRE EXTINGUISHING SYSTEM ON INCOMING GAS LINE TO UDS - DIVISION 22.
15. CONNECT SEVEN (7) GAS QUICK-DISCONNECT HOSE ASSEMBLIES (FURNISHED BY DIVISION 11) TO COOKING EQUIPMENT - DIVISION 22.
16. INSTALL STAINLESS STEEL FLOOR DRAIN TROUGH (FURNISHED BY DIVISION 11) WITH TOP OF PERIMETER FLANGE FLUSH WITH SURROUNDING FINISHED FLOOR - DIVISION 22.
17. EXTEND WATER LINE TO WATER FILTER (FURNISHED BY DIVISION 11) AND CONNECT TO ICE MACHINE - DIVISION 22.
18. FURNISH AND INSTALL 1/2" AND 3/4" (DO NOT MANIFOLD) INSULATED DRAIN LINES FROM ICE MACHINE AND STORAGE BIN TO FLOOR DRAIN - DIVISION 22. 2" AIR-GAP REQUIRED.
19. DRAIN LINES OF DISPOSERS SHALL BE RIGIDLY CONNECTED (TO MEET APPLICABLE PLUMBING CODE).
20. EXTEND WATER LINE FROM DISPOSER CONTROL PANEL TO BASE OF DISPOSER - DIVISION 22.
21. INSTALL SOLENOID VALVE AND VACUUM BREAKER ON WATER LINE TO DISPOSER WATER INLET - DIVISION 22.
22. FURNISH AND INSTALL 1/2" EXPOSED COLD WATER LINE FROM DISPOSER TO WATER INLET (FURNISHED BY DIVISION 11) LOCATED IN END OF SCRAP TROUGH OPPOSITE DISPOSER - DIVISION 22.
23. FURNISH AND INSTALL 2" DRAIN LINE FROM DISHWASHER TO FLOOR SINK - DIVISION 22. 2" AIR-GAP REQUIRED.
24. FURNISH AND INSTALL ALL-WELDED 18-GAUGE STAINLESS STEEL DUCT FROM TOP OF DISHWASHER TO 6" ABOVE FINISHED CEILING - DIVISION 11
25. DUCT ABOVE FINISHED CEILING SHALL BE WATER-TIGHT AND SLOPED SO THAT CONDENSATE FORMED WITHIN DUCT WILL DRAIN BACK INTO DISHWASHER - DIVISION 23.

DESCRIPTION:
FOOD SERVICE
EQUIPMENT MECH.
ROUGH-IN PLAN

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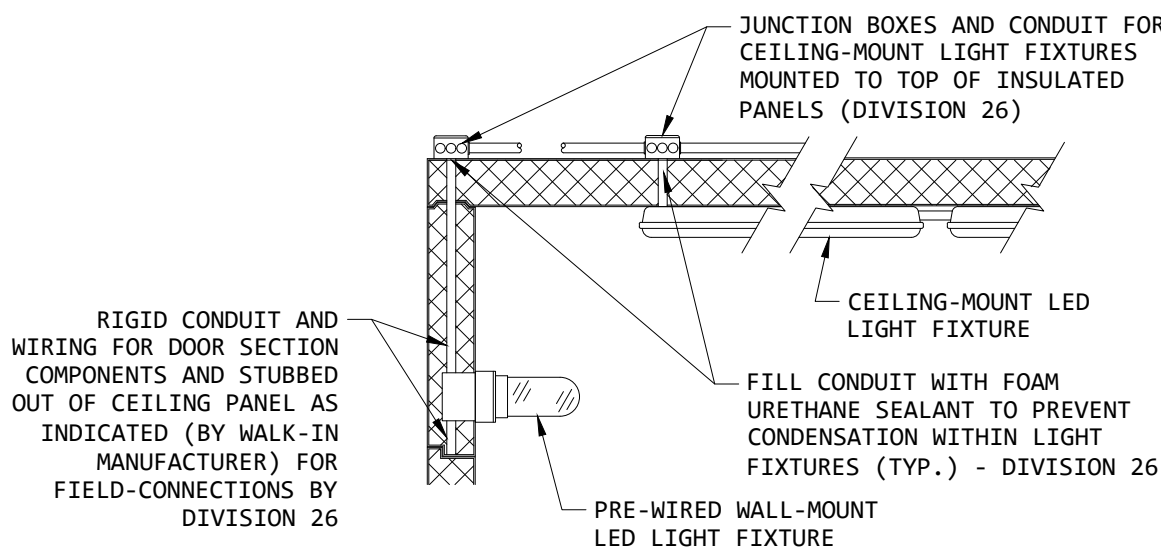
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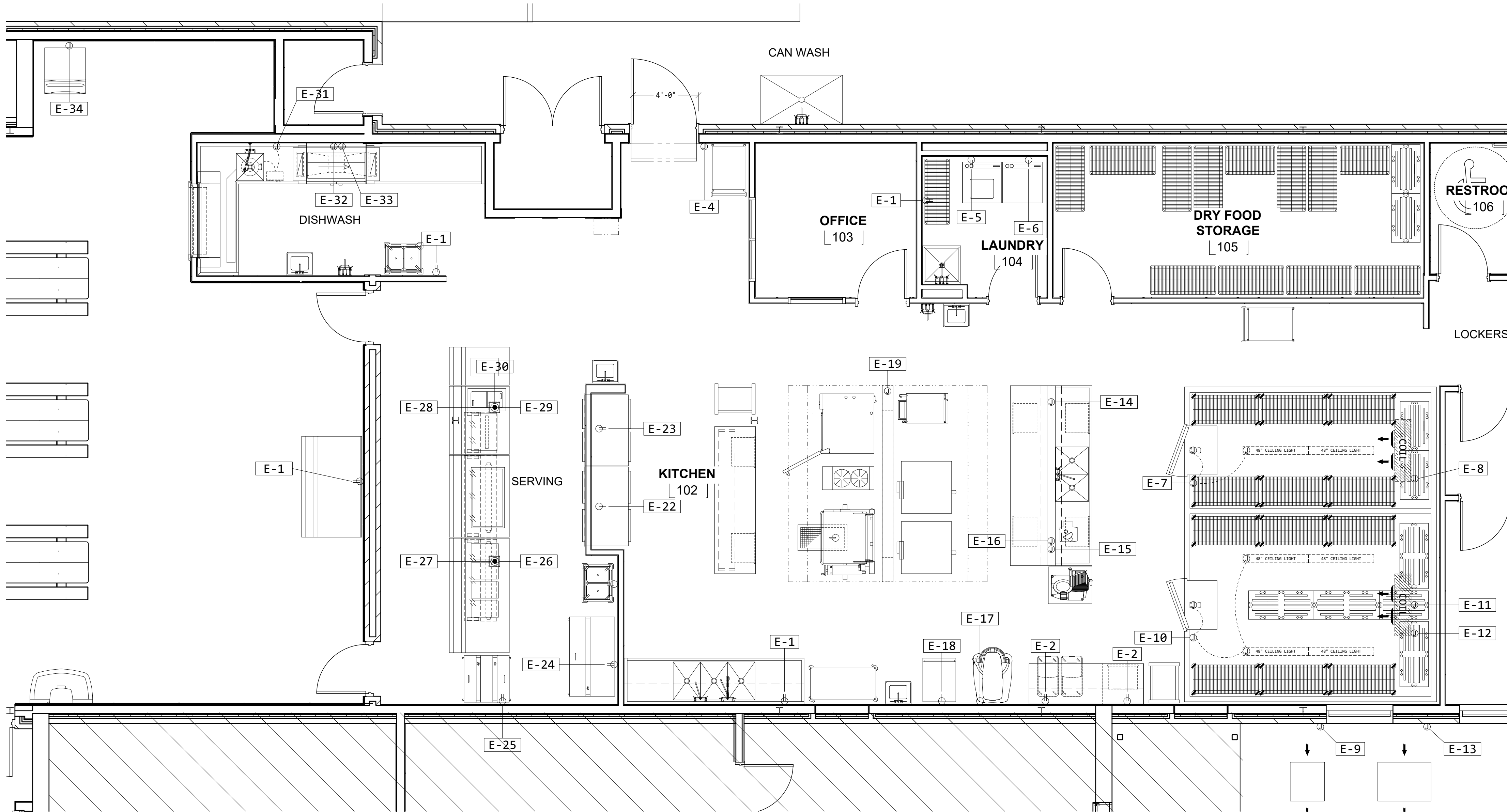
FOOD SERVICE EQUIPMENT ELECTRICAL ROUGH-IN DATA SCHEDULE			
CONN. NO.	ITEM NO.	DESCRIPTION OF UTILITY REQUIREMENTS	NOTES
E-1	--	20A 120V CO 24" AFF	
E-2	--	20A 120V CO 46" AFF	
E-3	--	20A 120V CO 50" AFF	
E-4	2	5.1A 120V 90" AFF FOR DOOR AIR CURTAIN	7
E-5	8	20A 120V CIRCUIT 24" AFF FOR CLOTHES WASHER - NEMA 5-20R RECEPTACLE REQUIRED	
E-6	9	30A 120/240V 1-PH CIRCUIT (3-WIRES + GROUND) 24" AFF FOR CLOTHES DRYER - NEMA 14-30R RECEPTACLE REQUIRED	
E-7	14	4.6A 120V DFA FOR LIGHTS, DOOR FRAME HEATER, HEATED PRESSURE RELIEF PORT, AND TEMPERATURE ALARM SYSTEM OF WALK-IN COOLER ROOM	8-13
E-8	14	1.8A 120V DFA FOR EVAPORATOR COIL AND REFRIGERANT/LIQUID LINE SHUT-OFF VALVE OF COOLER ROOM	8,9,11,14,16
E-9	15	9.5A 240V 3-PH (15 MCA/15 MOPD) 24" ABOVE CONCRETE SLAB FOR WALK-IN COOLER CONDENSING UNIT	15
E-10	14	4.9A 120V DFA FOR LIGHTS, DOOR FRAME HEATER, HEATED PRESSURE RELIEF PORT, AND TEMEPERATURE ALARM SYSTEM OF WALK-IN FREEZER ROOM	8-13
E-11	14	1A 120V DFA FOR CONDENSATE DRAIN LINE HEATER OF WALK-IN FREEZER ROOM	8,9,11
E-12	14	9.1A 240V 1-PH DFA FOR EVAPORATOR COIL AND REFRIGERANT/LIQUID LINE SHUT-OFF VALVE OF WALK-IN FREEZER ROOM	8,9,11,14,16
E-13	15	10.9A 240V 3-PH (15 MCA/20 MOPD) 24" ABOVE CONCRETE SLAB FOR WALK-IN FREEZER CONDENSING UNIT	15
E-14	19	20A 120V CIRCUIT 6" AFF FOR TWO (2) NEMA 5-20R CONVENIENCE RECEPTACLES (FURNISHED BY DIVISION 11) MOUNTED IN BACKSPLASH OF WORK TABLE W/OVERSHelf	23
E-15	20	3.8A 240V 3-PH 6" AFF FOR FOOD PROCESSOR	23
E-16	21	5.6A 120V 6" AFF FOR SLICER	23
E-17	26	10A 240V 3-PH 50" AFF FOR 60-QUART MIXER - NEMA L15-20R RECEPTACLE REQUIRED	6
E-18	27	16.7A 120V 50" AFF FOR MOBILE PROOF CABINET - NEMA 5-20R RECEPTACLE REQUIRED	
E-19	36	100A 120/240V 3-PH CIRCUIT (4-WIRES + GROUND) DFA FOR UTILITY DISTRIBUTION SYSTEM	17-22
E-20	--	SPARE NUMBER	
E-21	--	SPARE NUMBER	
E-22	41	17.7A 120/240V 1-PH (3-WIRES + GROUND) 90" AFF FOR PASS-THRU WARMER - NEMA L14-20R RECEPTACLE REQUIRED	6
E-23	42	7.6A 120V 90" AFF FOR PASS-THRU REFRIGERATOR - NEMA 5-20R RECEPTACLE REQUIRED	
E-24	44	2.7A 120V 24" AFF FOR MILK COOLER - NEMA 5-20R RECEPTACLE REQUIRED	
E-25	45	2.7A 120V 24" AFF FOR MILK COOLER - NEMA 5-20R RECEPTACLE REQUIRED	

FOOD SERVICE EQUIPMENT ELECTRICAL ROUGH-IN DATA SCHEDULE			
CONN. NO.	ITEM NO.	DESCRIPTION OF UTILITY REQUIREMENTS	NOTES
E-26	46	18.7A 120/240V 1-PH (3-WIRES PLUS GROUND) 4" AFF FOR FOOD WELLS AND PRE-WIRED HEAT LAMPS W/LED LIGHTS OF MOBILE HOT FOOD COUNTER	24
E-27	47	13.1A 120/240V 1-PH 4" AFF FOR HOT/COLD FOOD SHELF AND PRE-WIRED HEAT LAMPS W/LED LIGHTS OF MOBILE HOT/COLD FOOD COUNTER	24
E-28	48	3A 120V 4" AFF FOR PRE-WIRED LIGHTS AND DROP-IN ICE CREAM FREEZER OF MOBILE FLAT TOP COUNTER	24
E-29	49	120V COMPUTER GRADE CIRCUIT 4" AFF FOR MOBILE CASHIER COUNTER	24
E-30	49	CAT-6A DATA OUTLET 12" AFF FOR P.O.S. UNIT (FURNISHED BY OWNER)	24
E-31	54	8.8A 240V 3-PH 24" AFF FOR DISPOSER	25-27
E-32	55	48.1A 240V 3PH 72" AFF FOR DISHWASHER (MOTORS & TANK HEAT)	
E-33	55	51.8A 240V 3PH 72" AFF FOR DISHWASHER (CONTROLS & INTERNAL BOOSTER HEATER)	28,29
E-34	59	11.5A 120V 50" AFF FOR ICE MACHINE	



FOR INDOOR COOLER/FREEZER INSTALLATIONS

D10 WALK-IN COOLER/FREEZER LIGHT FIXTURES INSTALLATION
REF: FS4.01 SCALE: NONE



1 FOOD SERVICE EQUIPMENT ELECTRICAL ROUGH-IN PLAN
1/4" = 1'-0" | RE.

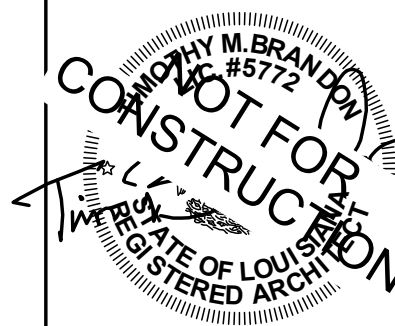
FOOD SERVICE EQUIPMENT ELECTRICAL ROUGH-IN SYMBOLS & ABBREVIATIONS	
	JUNCTION BOX
	SINGLE RECEPTACLE
	DUPLEX RECEPTACLE
	S/S FLOOR OUTLET BOX
	DATA RECEPTACLE
	VOLTS
	PHASE
	KILOWATT
	MINIMUM CIRCUIT AMPACITY
	CONVENIENCE OUTLET
	ABOVE FINISHED FLOOR
	DOWN FROM ABOVE
	UTILITY DISTRIBUTION SYSTEM

FOOD SERVICE EQUIPMENT ELECTRICAL ROUGH-IN DATA NOTES

- ROUGH-IN PLAN SHOWS APPROXIMATE LOCATIONS FOR UTILITY REQUIREMENTS OF FOOD SERVICE EQUIPMENT SPECIFIED (INCLUDING OWNER FURNISHED, OWNER INSTALLED EQUIPMENT) PLUS ELECTRICAL CONVENIENCE OUTLETS. CONTRACTOR SHALL FURNISH DIMENSIONED LOCATIONS FROM FINISHED WALLS AND/OR CENTER-LINE OF COLUMNS FOR ALL UTILITIES SHOWN ON CONTRACT DOCUMENT ROUGH-IN DRAWINGS.
- WHERE POSSIBLE, ALL ELECTRICAL CONDUIT/WIRING SHALL BE EXTENDED UP THROUGH AND OUT OF BUILDING WALLS.
- EXTEND AND CONNECT WIRING FROM JUNCTION BOXES TO CONNECTION POINTS ON FOOD SERVICE EQUIPMENT - DIVISION 26.
- WALL-MOUNTED JUNCTION BOXES SHALL BE RECESSED IN BUILDING WALL SO THAT EQUIPMENT CAN BE INSTALLED AGAINST WALLS.
- FURNISH AND INSTALL ALL NECESSARY LINE DISCONNECT SWITCHES, UNLESS SPECIFIED OTHERWISE - DIVISION 26.
- INSTALL CORD/PLUG ASSEMBLIES (FURNISHED BY DIVISION 11) TO FOOD SERVICE EQUIPMENT WHERE REQUIRED - DIVISION 26.
- INSTALL TWO (2) MICRO-SWITCHES (FURNISHED BY MANUFACTURER) AT DOOR OPENING FOR ON/OFF OPERATION - DIVISION 26.
- PENETRATIONS OF WALK-IN CEILING/WALL PANELS SHALL BE SEALED WITH USDA-APPROVED SEALANT.
- FURNISH AND INSTALL CONDUIT, JUNCTION BOXES, AND FIELD WIRING FOR COILS, CEILING-MOUNTED LIGHT FIXTURES, PRESSURE RELIEF PORTS, AND FREEZER DRAIN LINE HEATERS (FURNISHED BY DIVISION 11) OF WALK-IN COOLERS/AND FREEZERS - DIVISION 26.
- HORIZONTAL RUNS OF CONDUIT FOR CEILING-MOUNTED LIGHT FIXTURES SHALL BE MOUNTED ON TOP OF WALK-IN CEILING PANELS - DIVISION 26.
- ELECTRICAL CONDUIT WITHIN WALK-IN SHALL BE FILLED (INSIDE CONDUIT) WITH FOAM URETHANE TO PREVENT CONDENSATION - DIVISION 26.
- FURNISH AND INSTALL JUNCTION BOX ON TOP OF WALK-IN COOLER/FREEZER FOR POWER SOURCE OF TEMPERATURE ALARM SYSTEM (FURNISHED BY DIVISION 11) - DIVISION 26. REFER TO TEMPERATURE ALARM SYSTEM WIRING DIAGRAM D6, SHEET FS2.02.
- FURNISH AND INSTALL 18 GAUGE WIRING AND TEMPERATURE SENSORS OF TEMPERATURE ALARM SYSTEMS IN ACCORDANCE WITH SPECIFICATIONS - DIVISION 11. REFER TO TEMPERATURE ALARM SYSTEM WIRING DIAGRAM D6, SHEET FS2.02.
- WALK-IN COOLER AND FREEZER EVAPORATOR COILS SPECIFIED INCLUDES PRE-WIRED ON-DEMAND DEFROST CONTROLLERS - OFF CYCLE/AIR (FOR COOLER) AND ELECTRIC HEAT (FOR FREEZER).
- REMOTE CONDENSERS SHALL INCLUDE PRE-WIRED UL-LISTED CIRCUIT BREAKERS AND LINE DISCONNECT SWITCH - DIVISION 11.
- FURNISH AND INSTALL TWO (2) CONTROL WIRES FROM EVAPORATOR COILS TO ELECTRIC SHUT-OFF VALVE (FIELD INSTALLED ON REFRIGERANT LIQUID LINE BY DIVISION 11) LOCATED OUTSIDE REFRIGERATED ROOM - DIVISION 26.
- FURNISH AND INSTALL MAIN SERVICE FEEDERS AND OVERLOAD PROTECTION DEVICES FOR CONTINUOUS OPERATING LOAD OF UTILITY DISTRIBUTION SYSTEM (UDS) - DIVISION 26. LOADS (INCLUDING RESERVE POWER) INDICATED ON DRAWINGS ARE CALCULATED AT 125% OF CONTINUOUS OPERATING LOAD OF EQUIPMENT.
- INSPECT UDS FOR LOOSE CONNECTIONS (CAUSED BY SHIPPING) AND TIGHTEN AS REQUIRED - DIVISION 26.
- INTERCONNECT ELECTRICAL FIELD JOINT OF UDS BY BOLTING BUS BARS AND/OR CABLE BUS WIRING TOGETHER - DIVISION 26. FITTINGS, BOLTS, QUICK-DISCONNECT DEVICES, ETC. SHALL BE SUPPLIED AND PRE-FITTED WITH UDS.
- UDS SHALL BE EQUIPPED WITH SINGLE-POINT CONNECTIONS, MAIN ELECTRICAL DISCONNECT, POINT-OF-USE CIRCUIT BREAKERS, AND POWER SHUT-OFF DEVICE (SHUNT TRIP BREAKER). POWER TO COOKING EQUIPMENT SHALL SHUT OFF WHEN ACTIVATED BY FIRE EXTINGUISHING AND/OR BUILDING FIRE ALARM SYSTEMS.
- FURNISH AND INSTALL THREE (3) 120-VOLT WIRES FROM PRE-WIRED LIGHT SWITCH MOUNTED ON END RISER OF UDS TO JUNCTION BOXES LOCATED ON TOP OF EXHAUST HOOD FOR PRE-WIRED EXHAUST HOOD LIGHTS - DIVISION 26.
- CONNECT TWO (2) UL-LISTED CORD/PLUG ASSEMBLIES (FURNISHED BY DIVISION 11) TO COOKING EQUIPMENT -DIVISION 26.
- EXTEND AND CONNECT WIRING FROM JUNCTION BOXES TO FOUR (4) COUNTER RECEPTACLES (FURNISHED BY DIVISION 11) - DIVISION 26.
- INSTALL FLOOR MOUNTED STAINLESS STEEL OUTLET BOX(ES)/RECEPTACLES (FURNISHED BY DIVISION 11) PER DETAIL NO. D5, SHEET FS2.02 - DIVISION 26.
- FURNISH AND INSTALL WIRING FROM DISPOSER CONTROL PANEL TO DISPOSER BASE - DIVISION 26.
- EXTEND WIRING FROM DISPOSER CONTROL PANEL TO SOLENOID INSTALLED ON WATER LINE - DIVISION 26.
- DISPOSER CONTROL PANEL INCLUDES AN INTEGRALLY-MOUNTED LINE DISCONNECT SWITCH.
- FURNISH AND INSTALL CONTROL WIRING FROM DISHWASHER CONDENSATE EXHAUST FAN (FURNISHED BY DIVISION 22) TO DISHWASHER CONTROL - DIVISION 26.
- FURNISH AND INSTALL WIRING FROM TABLE LIMIT SWITCH (FURNISHED BY DIVISION 11) OF CLEAN DISHTABLE TO DISHWASHER CONTROL - DIVISION 26.

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SHEET

FS4.01

Date: 10/02/25

Project No.: 21-001

File Name:

DESCRIPTION:

FOOD SERVICE
EQUIP. ELECTRICAL
ROUGH-IN PLAN



DEFINE

MECHANICAL ABBREVIATIONS

AD	ACCESS DOOR	HWS	HEATING HOT WATER SUPPLY
ADA	AMERICANS WITH DISABILITIES ACT	HWR	HEATING HOT WATER RETURN
AFF	ABOVE FINISHED FLOOR	KH	KITCHEN HOOD
AHU	AIR HANDLING UNIT	KW	KILOWATT
APD	AIR PRESSURE DROP	LAT	LEAVING AIR TEMPERATURE
BOD	BOTTOM OF DUCT	LWT	LEAVING WATER TEMPERATURE
BOP	BOTTOM OF PIPE	MBH	1000 BRITISH THERMAL UNITS PER HOUR
BTUH	BRITISH THERMAL UNITS PER HOUR	MVD	MANUAL VOLUME DAMPER
C	CONDENSATE	N.O.	NORMALLY OPEN
CFM	CUBIC FEET PER MINUTE	N.C.	NORMALLY CLOSED
CT	CHILLER	NTS	NOT TO SCALE
CHS	CHILLED WATER SUPPLY	NC	NOISE CRITERIA
CHR	CHILLED WATER RETURN	OA	OUTSIDE AIR
COP	COEFFICIENT OF PERFORMANCE	OBD	OPPOSED BLADE DAMPER
CT	COOLING TOWER	PD	PRESSURE DROP
CU	CONDENSING UNIT	PHWR	PLANT HEATING HOT WATER RETURN
CV	CONSTANT VOLUME	PHWS	PLANT HEATING HOT WATER SUPPLY
CS	CONDENSER WATER SUPPLY	PRV	PRESSURE REDUCING VALVE
CR	CONDENSER WATER RETURN	PSIG	POUNDS PER SQUARE INCH GAGE
DB	DRY BULB	RA	RETURN AIR
DOAS	DEDICATED 100% OUTSIDE AIR UNIT	RH	RELATIVE HUMIDITY
EA	EXHAUST AIR	RHC	REHEAT COIL
EAT	ENTERING AIR TEMPERATURE	RPM	REVOLUTIONS PER MINUTE
ECO	EXTERIOR CLEANOUT	RTU	ROOFTOP A/C UNIT
EDH	ELECTRIC DUCT HEATER	SA	SUPPLY AIR
EER	ENERGY EFFICIENCY RATIO	SD	STORM DRAIN
EF	EXHAUST FAN	SEER	SEASONAL ENERGY EFFICIENCY RATIO
EMS	ENERGY MANAGEMENT SYSTEM	SF	SUPPLY FAN
ESP	EXTERNAL STATIC PRESSURE	SP	STATIC PRESSURE
EUH	ELECTRIC UNIT HEATER	SWR	SIDE WALL REGISTER
EWC	ELECTRIC WATER COOLER	TSP	TOTAL STATIC PRESSURE
EWB	ELECTRIC WATER HEATER	TYP	TYPICAL
EWT	ENTERING WATER TEMPERATURE	UNO	UNLESS NOTED OTHERWISE
F	FAHRENHEIT	VAV	VARIABLE AIR VOLUME
FCO	FLOOR CLEANOUT	VFD	VARIABLE FREQUENCY DRIVE
FD	FLOOR DRAIN	VRF	VARIABLE REFRIGERANT FLOW
FLA	FULL LOAD AMPS	WB	WET BULB
FFE	FINISHED FLOOR ELEVATION	WG	WATER GAGE
FPI	FINS PER INCH	WPD	WATER PRESSURE DROP
HP	HORSEPOWER		

DESIGN

MECHANICAL LEGEND

GRILLES, REGISTERS, DIFFUSERS, AND LOUVERS				EQUIPMENT			
EXISTING	DEMO	NEW	DESCRIPTION	EXISTING	DEMO	NEW	DESCRIPTION
		A100	GRILLE DESIGNATION AND CFM				MECHANICAL EQUIPMENT. REFER TO SCHEDULES
			SURFACE MOUNT				IONIZATION UNIT
							SMOKE DETECTOR
							MANUAL PULL STATION
				CONTROLS			
EXISTING	DEMO	NEW	DESCRIPTION	EXISTING	DEMO	NEW	DESCRIPTION
			SUPPLY WALL DIFFUSER				THERMOSTAT
			LINEAR SLOT DIFFUSER				HUMIDISTAT
			RETURN/EXHAUST CEILING GRILLE				SENSOR
			RETURN/EXHAUST WALL GRILLE				STATIC PRESSURE SENSOR
			EXHAUST LOUVER				REMOTE TEMPERATURE SENSOR
			EXHAUST WALL CAP				WALL SWITCH
			GRAVITY RELIEF HOOD				CONTROL WIRING
			INTAKE LOUVER				
			INTAKE WALL CAP				
			GRAVITY INTAKE HOOD				
DUCTWORK							
EXISTING	DEMO	NEW	DESCRIPTION				
			RECTANGULAR DUCTWORK. REFER TO PLANS FOR SIZE.				
			ROUND DUCTWORK. REFER TO PLANS FOR SIZE.				
			ROUND DUCTWORK DROP/RISE.				
			DUCT DROP/RISE				
PIPING							
EXISTING	DEMO	NEW	DESCRIPTION				
			CHILLED WATER SUPPLY PIPING				
			CHILLED WATER RETURN PIPING				
			HOT WATER SUPPLY PIPING				
			HOT WATER RETURN PIPING				
			CONDENSER WATER SUPPLY PIPING				
			CONDENSER WATER RETURN PIPING				
DAMPERS							
EXISTING	DEMO	NEW	DESCRIPTION				
			BALANCING DAMPER				
			MOTORIZED DAMPER				
			FIRE DAMPER				
			SMOKE DAMPER				
			FIRE & SMOKE DAMPER				
NOTES: 1. EXISTING ITEMS ON DEMO PLANS ARE "EXISTING TO REMAIN" UNLESS NOTED "EXISTING TO BE RELOCATED".							
2. ITEMS ON NEW CONSTRUCTION PLANS ARE NEW UNLESS NOTED "RELOCATED FROM PREVIOUS LOCATION".							
3. REFER TO SCHEDULES FOR GRILLE, REGISTER, DIFFUSER, AND LOUVER SIZES.							
4. REFER TO DRAWINGS FOR DIRECTION OF AIRFLOW FOR DIFFUSERS. IF DIRECTIONAL ARROWS ARE NOT INCLUDED, AIRFLOW IS IN FOUR DIRECTIONS. (4-WAY GRILLE)							
5. WALL MOUNTED CONTROL DEVICES SHALL BE MOUNTED AT 48" A.F.F.							
6. NOT ALL ITEMS SHOWN ON THIS LIST MAY BE APPLICABLE TO THIS PROJECT.							

DELIVER

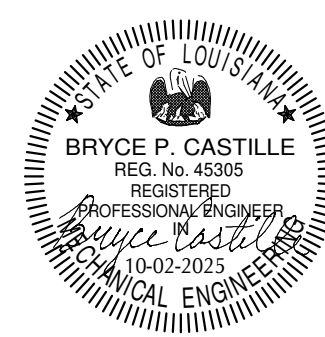
MECHANICAL GENERAL NOTES

- CONTRACTOR SHALL VISIT THE SITE AND DETERMINE THE EXTENT OF DEMOLITION WORK AND NEW WORK NEEDED FOR THIS PROJECT, PRIOR TO SUBMITTING BID.
- CONTRACTOR SHALL BECOME FAMILIAR WITH THE PROJECT SCOPE, CONSTRAINTS, UTILITY CONNECTIONS, AND BUILDING SERVICES, PRIOR TO SUBMITTING BID.
- CONTRACTOR SHALL GIVE FIRST RIGHT TO REFUSAL OF SALVAGE TO THE OWNER, IF THE OWNER ELECTS TO NOT KEEP SALVAGE, CONTRACTOR SHALL REMOVE SALVAGE BY LAWFUL MEANS.
- DRAWINGS ARE SCHEMATIC AND DIAGRAMMATIC IN NATURE. DRAWINGS SHALL NOT BE SCALED. COORDINATE ROUTING OF SERVICES WITH SITE CONDITIONS AND WITH WORK OF OTHER TRADES.
- FIELD VERIFY DIMENSIONS PRIOR TO ORDERING, FABRICATING, AND ERECTION OF MATERIAL AND/OR EQUIPMENT. NOTIFY THE ENGINEER OF DISCREPANCIES IN A TIMELY MANNER.
- VERIFY CLEARANCE REQUIREMENTS AND ROUTING OF DUCTWORK AND PIPING PRIOR TO FABRICATION. AS MINOR MODIFICATIONS SUCH AS DUCT AND/OR PIPING RISES AND DROP MAY BE REQUIRED DUE TO FIELD CONDITIONS. MAKE MINOR MODIFICATIONS TO THE BUILDING, PIPING, SPRINKLER, DUCTWORK, ELECTRICAL, ETC. AS SHOWN ON THE DRAWINGS OR REQUIRED TO COMPLETE THE INSTALLATION OF A COMPLETED WORKABLE SYSTEM.
- MAINTAIN WEATHER-TIGHT BARRIERS TO PREVENT DAMAGE FROM THE ELEMENTS DURING DEMOLITION AND NEW CONSTRUCTION PERIOD.
- SEAL PENETRATIONS THROUGH THE BUILDING ENVELOPE.
- PENETRATIONS THROUGH RATED WALLS, FLOORS, PARTITIONS AND ASSEMBLIES SHALL BE INSTALLED AND FIRESAFED TO MEET UL FIRE RESISTANCE LISTING AND NFPA REQUIREMENTS FOR THE PENETRATION.
- COORDINATE DEVICES REQUIRING ACCESS PANELS WITH THE ARCHITECT AND OTHER TRADES.
- MAINTAIN MINIMUM CLEARANCE 10'-0" BETWEEN OUTSIDE INTAKES AND EXHAUST OUTLETS AND PLUMBING VENTS.
- COORDINATE FINAL LOCATIONS AND ELEVATIONS WITH THE ARCHITECT PRIOR TO INSTALLATION.
- COORDINATE FINAL FINISH COLORS OF MATERIALS, DEVICES, DIFFUSER, GRILLES, LOUVERS, AND/OR EQUIPMENT WITH THE ARCHITECT PRIOR TO ORDERING, FABRICATION AND INSTALLATION.
- SCHEDULE UTILITY SERVICES SHUTDOWNS WITH OWNER AND ARCHITECT. MINIMIZE DISRUPTIONS AND DOWNTIME TO THE OWNER.
- INSTALL DEVICES AND EQUIPMENT TO MEET ADA REQUIREMENTS. TOP MOST OPERABLE PORTION OF DEVICES SHALL BE AT ADA HEIGHT.
- ROUTE DUCT AND PIPING CONCEALED IN INTERSTITIAL SPACE UNLESS NOTED OTHERWISE.
- DOCUMENT LOCATIONS OF DEVICES, DUCT, PIPING, AND EQUIPMENT ON "AS-BUILT" RECORD DRAWINGS AS PER THE SPECIFICATIONS.
- PAY FOR SERVICE, DEPOSITS, INSPECTION, AND CONNECTION FEES REQUIRED FOR A COMPLETE INSTALLATION. COORDINATE WITH THE UTILITY SERVICE PROVIDER FOR THE REQUIREMENTS NEEDED FOR THIS PROJECT.
- HVAC SYSTEMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH NFPA 90A AND NFPA 101.
- WORK SHOWN IN THE DRAWINGS SHALL COMPLY WITH APPLICABLE NATIONAL, STATE, AND LOCAL ORDINANCES AND CODES.

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DRAWING REVISIONS

No.	Description	Date

DRAWN BY: CB

CHECKED BY: GW

SHEET

M0.01

Date: OCT 2025

Project No.: 21-001

File Name:

DESCRIPTION:

MECHANICAL
LEGEND & NOTES

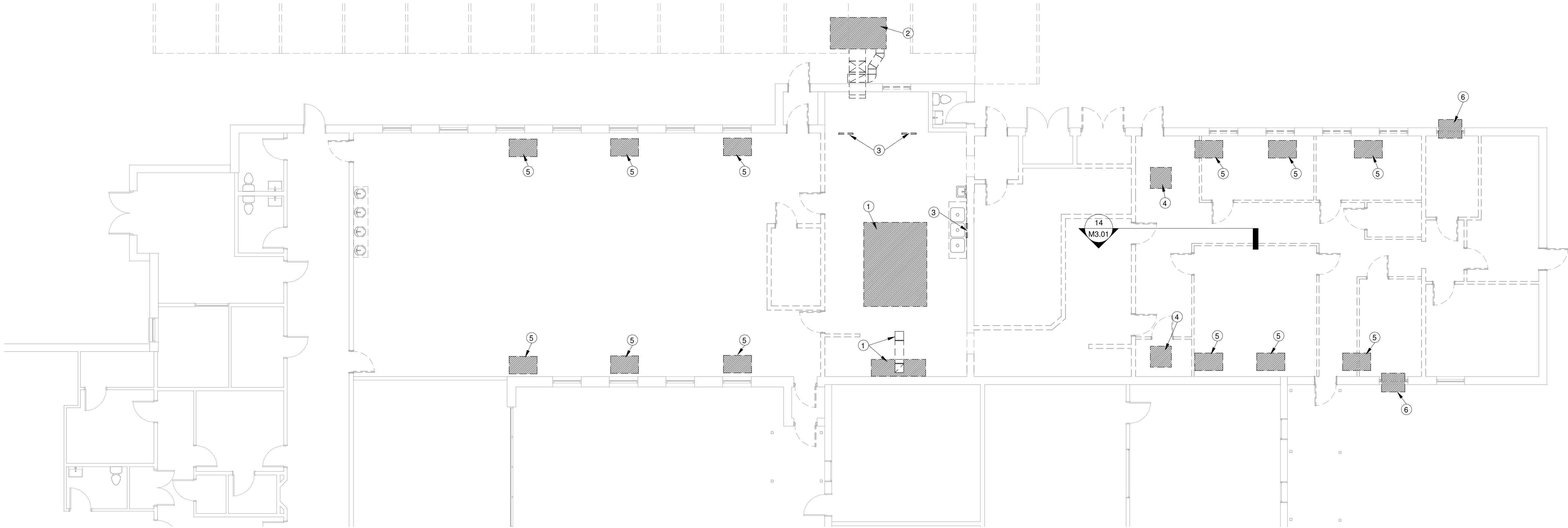


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PROJECT No.: 25067.00



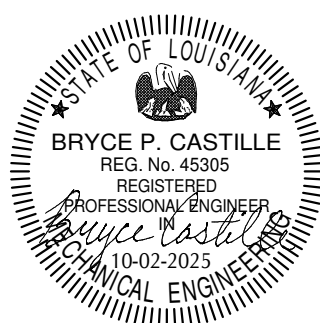


① First Floor Demolition Mechanical
1/8" = 1'-0" Refer to Architectural Drawings for All Dimensions

MECHANICAL DEMOLITION NOTES #	
1	KITCHEN HOOD AND ALL ITS COMPONENTS AND ACCESSORIES TO BE REMOVED. KITCHEN HOOD EXHAUST FAN AND ASSOCIATED ROOF CURB SHALL BE REMOVED. PATCH ROOF/WALL PENETRATIONS AS NECESSARY TO MATCH SURROUNDING ROOF AND WALLS.
2	EXISTING PACKAGED A/C UNIT TO BE REMOVED. REMOVE ASSOCIATED THERMOSTAT, CONTROLS WIRING, DUCT WORK, DUCT ACCESSORIES, DIFFUSERS/GRILLES/REGISTERS, CONDENSATE PIPING, AND EQUIPMENT SUPPORTS.
3	EXISTING WALL MOUNTED AIR TERMINAL TO BE REMOVED.
4	EXISTING GAS UNIT HEATERS, SUPPORTS AND CONTROLS TO BE REMOVED. REMOVED EXISTING VENT/FLUE VENT PIPING AND PATCH AND SEAL EXISTING BUILDING PENETRATION WATER TIGHT. REPAIR AREA TO MATCH SURROUNDING CONSTRUCTION.
5	EXISTING CHILLED WATER FAN COIL UNIT, SUPPORTS, CONTROLS AND ALL CONDENSATE PIPING TO BE REMOVED. REMOVE EXISTING CHILLED AND HOT WATER PIPING AND CAP BEHIND FINISHED SURFACES. REMOVED CHILLED WATER FAN COIL UNIT SHALL BE SALVAGED AND RETURNED TO OWNER. PROTECT FAN COIL UNIT FROM DAMAGES DURING DEMOLITION.
6	EXISTING WINDOW UNIT AND ALL ASSOCIATED COMPONENTS AND ACCESSORIES TO BE REMOVED. PROTECT EXISTING WINDOW FROM DAMAGE DURING REMOVAL.



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PROJECT No.: 25067.00



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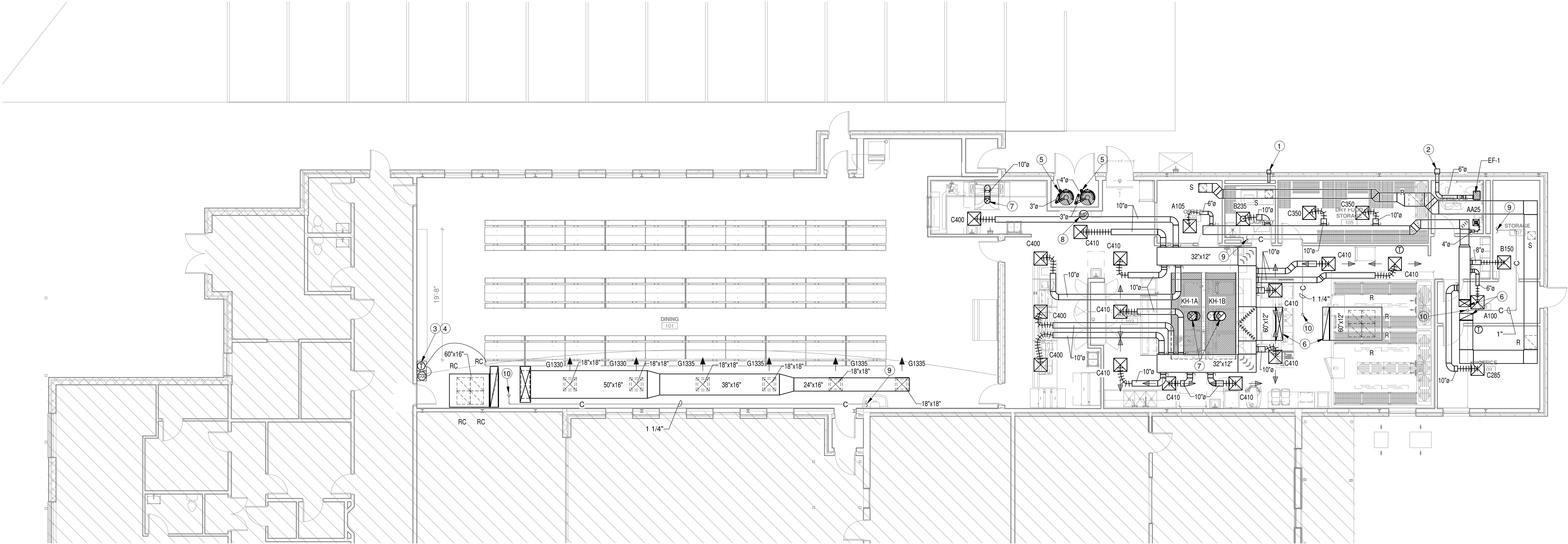
M1.01

Date: OCT 2025

Project No.: 21-001

File Name:

DESCRIPTION:
MECHANICAL
DEMOLITION PLAN



① Mechanical Plan
1/8" = 1'-0" Refer to Architectural Drawings for All Dimensions

MECHANICAL NOTES	
1	DRYER WALL CAP IN EXTERIOR WALL. EXTEND 4" RIGID METAL DUCT TO DRYER LOCATION. PROVIDE METAL FLEXIBLE DUCT FOR FINAL CONNECTION.
2	TERMINATE EXHAUST DUCT AT EXHAUST FAN MANUFACTURER PROVIDED WALL CAP ABOVE THE CEILING IN THIS VICINITY. PROVIDE WALL CAP WITH BIRD SCREEN.
3	CARBON DIOXIDE SENSOR AND THERMOSTAT TO BE MOUNTED AT 48" A.F.F. EACH WITHIN A CLEAR LOCKABLE COVER WITH HOLES TO ALLOW AIRFLOW THROUGH ENCLOSURE.
4	INTERLOCK CO2 SENSOR WITH RESPECTIVE ROOFTOP UNIT'S MOTORIZED OUTSIDE AIR DAMPER. THE MOTORIZED OUTSIDE AIR DAMPER SHALL OPEN WHEN CO2 SENSOR IN THE SPACE MEASURES CO2 LEVELS ABOVE 1100 PPM AND CLOSE WHEN SENSOR READS LESS THAN 1100 PPM WHEN UNIT IS ON. THE DAMPER SHOULD NOT OPEN WHEN THE UNIT IS OFF. PROVIDE ALL NECESSARY RELAYS, SWITCHES, TRANSFORMERS, ETC. AS REQUIRED.
5	EXTEND INTAKE AND EXHAUST VENT PIPING UP TO CONCENTRIC FLUE THROUGH ROOF IN THIS VICINITY. REFER TO DETAIL. COORDINATE ROOF PENETRATIONS WITH EXISTING ROOF STRUCTURE.
6	EXTEND DUCT TO ROOFTOP HVAC UNIT. COORDINATE ROOF PENETRATIONS WITH EXISTING ROOF STRUCTURE.
7	EXTEND DUCT TO ROOFTOP EXHAUST FAN. COORDINATE ROOF PENETRATIONS WITH EXISTING ROOF STRUCTURE.
8	REMOTE MANUAL PULL STATION FOR KITCHEN HOOD FIRE SUPPRESSION.
9	INSULATED CONDENSATE DRAIN LINE ROUTED CONCEALED ABOVE CEILING AND TERMINATED AT HUB DRAIN IN THIS VICINITY. REFER TO PLUMBING PLANS FOR HUB DRAIN LOCATIONS.
10	CONDENSATE DRAIN LINE DOWN FROM ROOFTOP UNIT.



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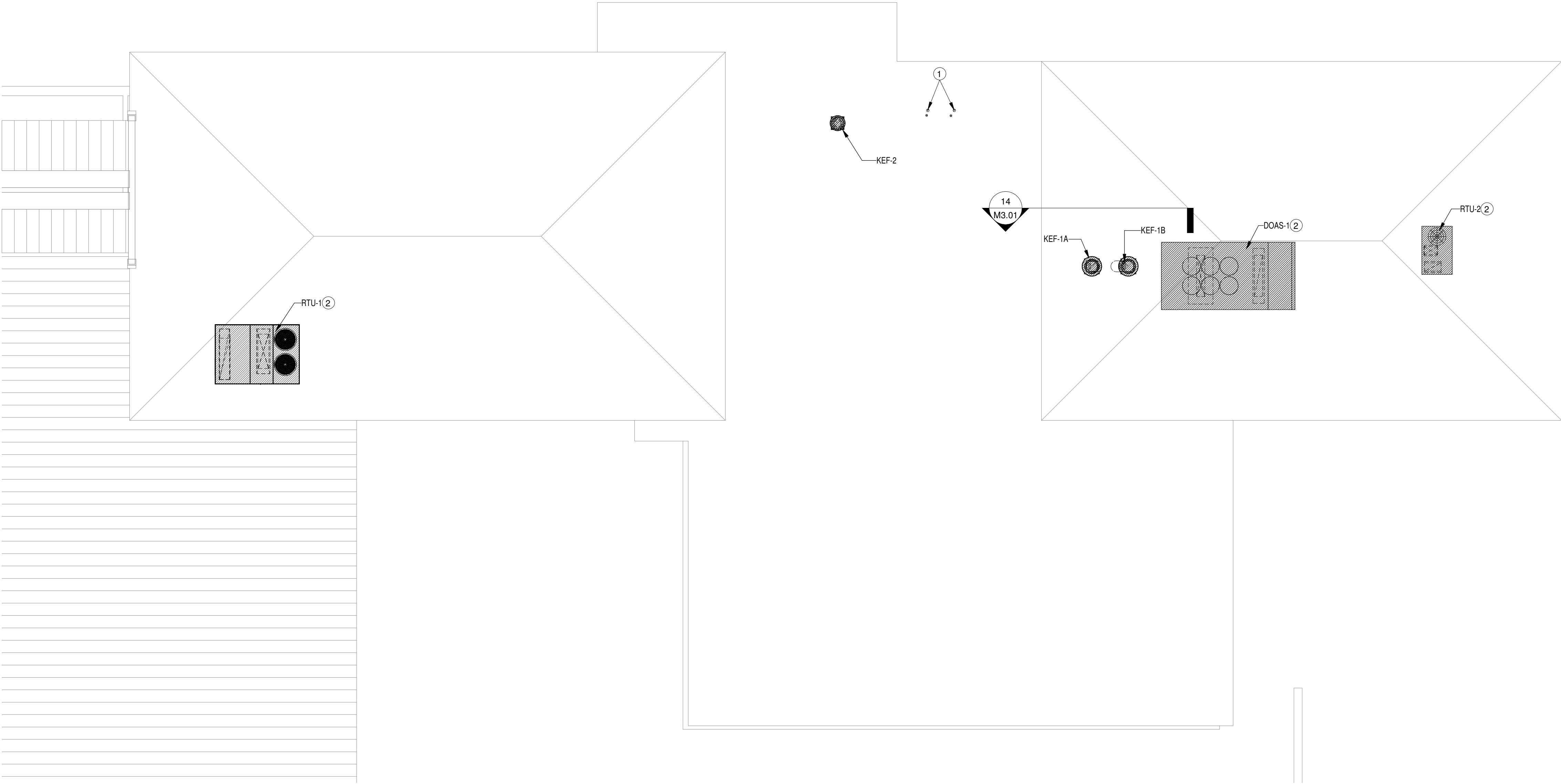
Date: OCT 2025

Project No.: 21-001

File Name:

DESCRIPTION:

MECHANICAL PLAN



① Mechanical Roof Plan
1/8" = 1'-0" Refer to Architectural Drawings for All Dimensions

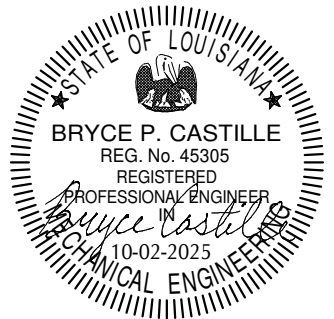
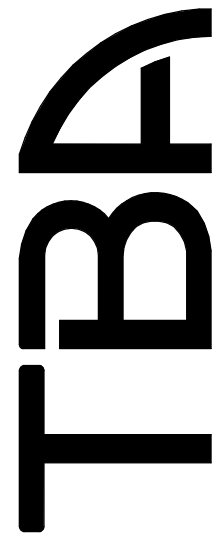
MECHANICAL NOTES	
1	CONCENTRIC FLUE VENT ON ROOF IN THIS VICINITY.
2	CURB MOUNTED ROOFTOP PACKAGED HVAC UNIT. ROUTE CONDENSATE BACK THROUGH ROOF CURB, DOWN TO ABOVE THE CEILING AND EXTEND TO HUB DRAIN.



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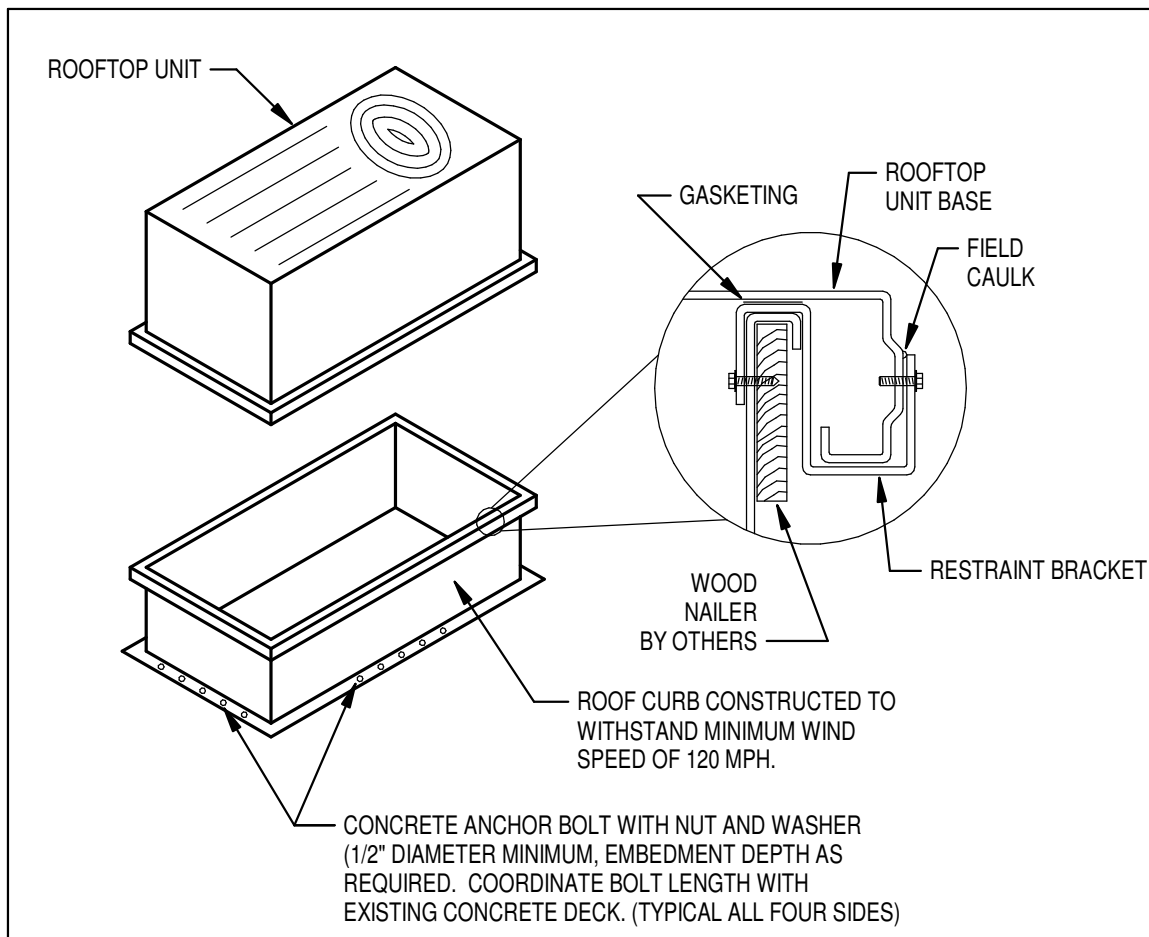
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Date: OCT 2025

Project No.: 21-001

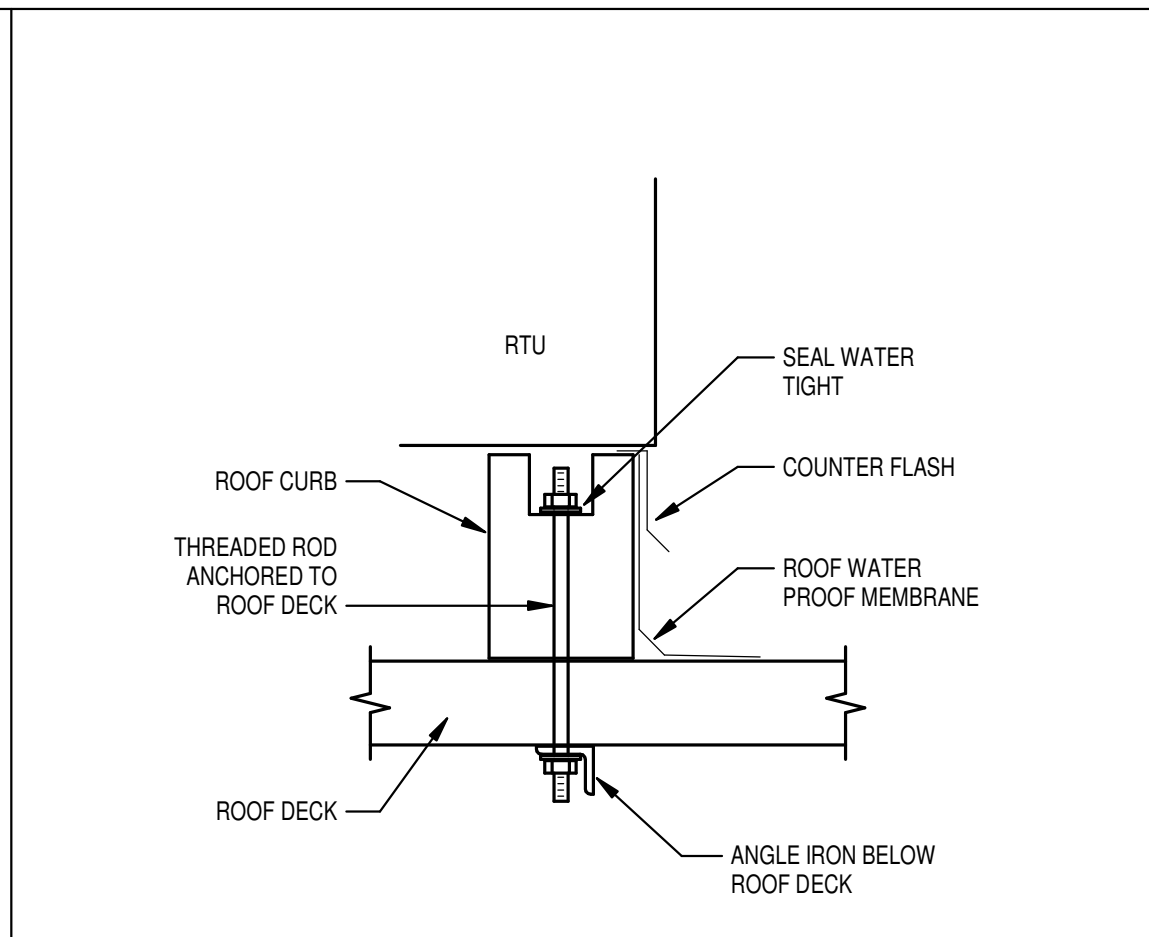
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DESCRIPTION:
MECHANICAL ROOF
PLAN



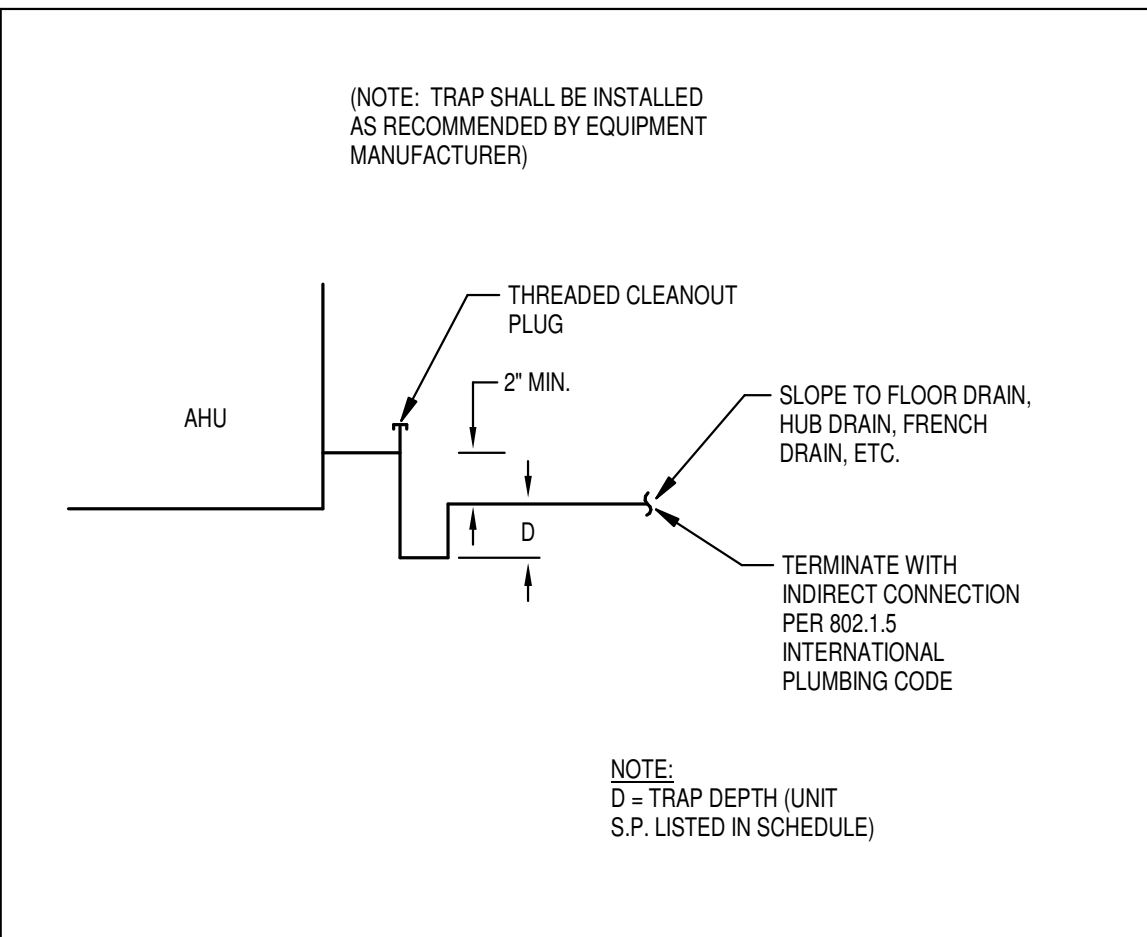
1 ROOFTOP EQUIPMENT (UNIT ANCHORED TO CURB)

NO SCALE



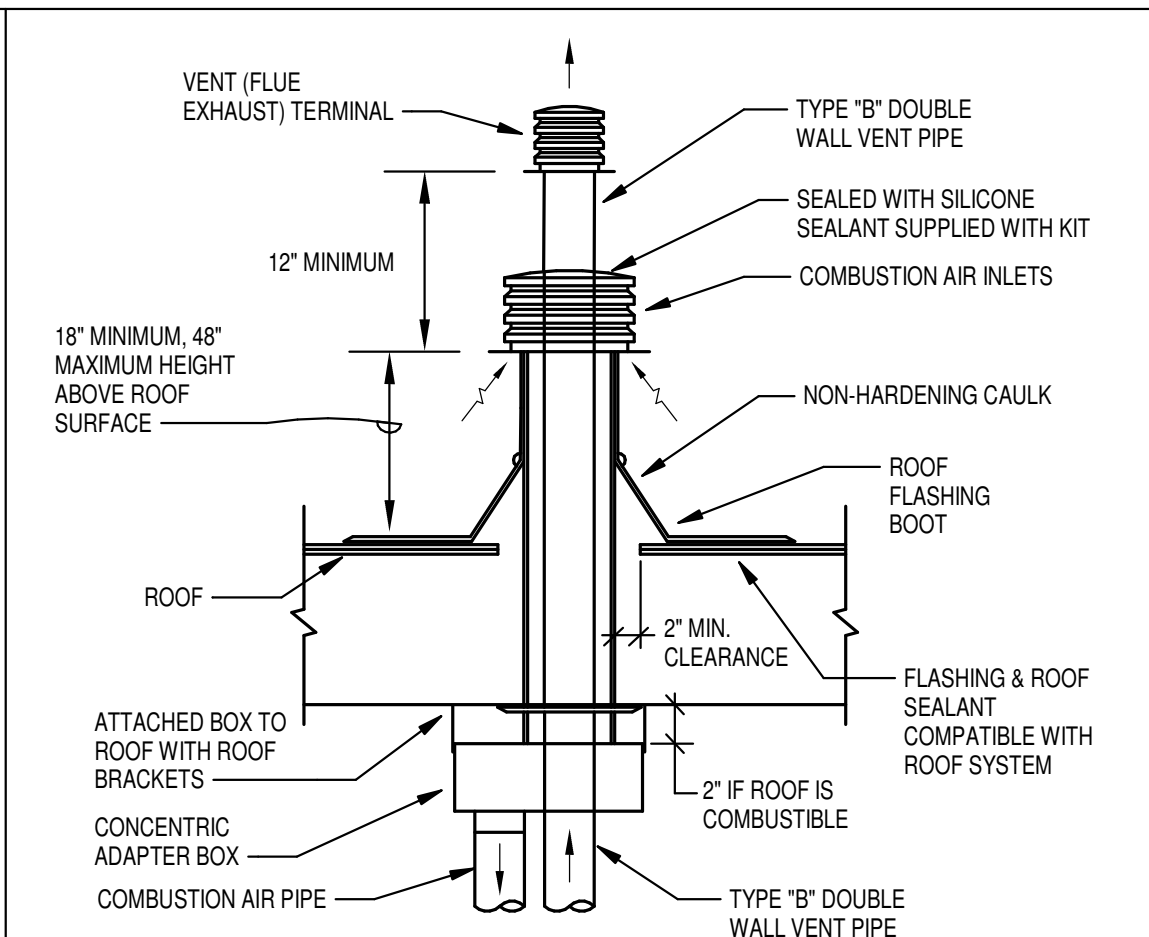
2 ROOFTOP EQUIPMENT (CURB ANCHORED TO ROOF)

NO SCALE



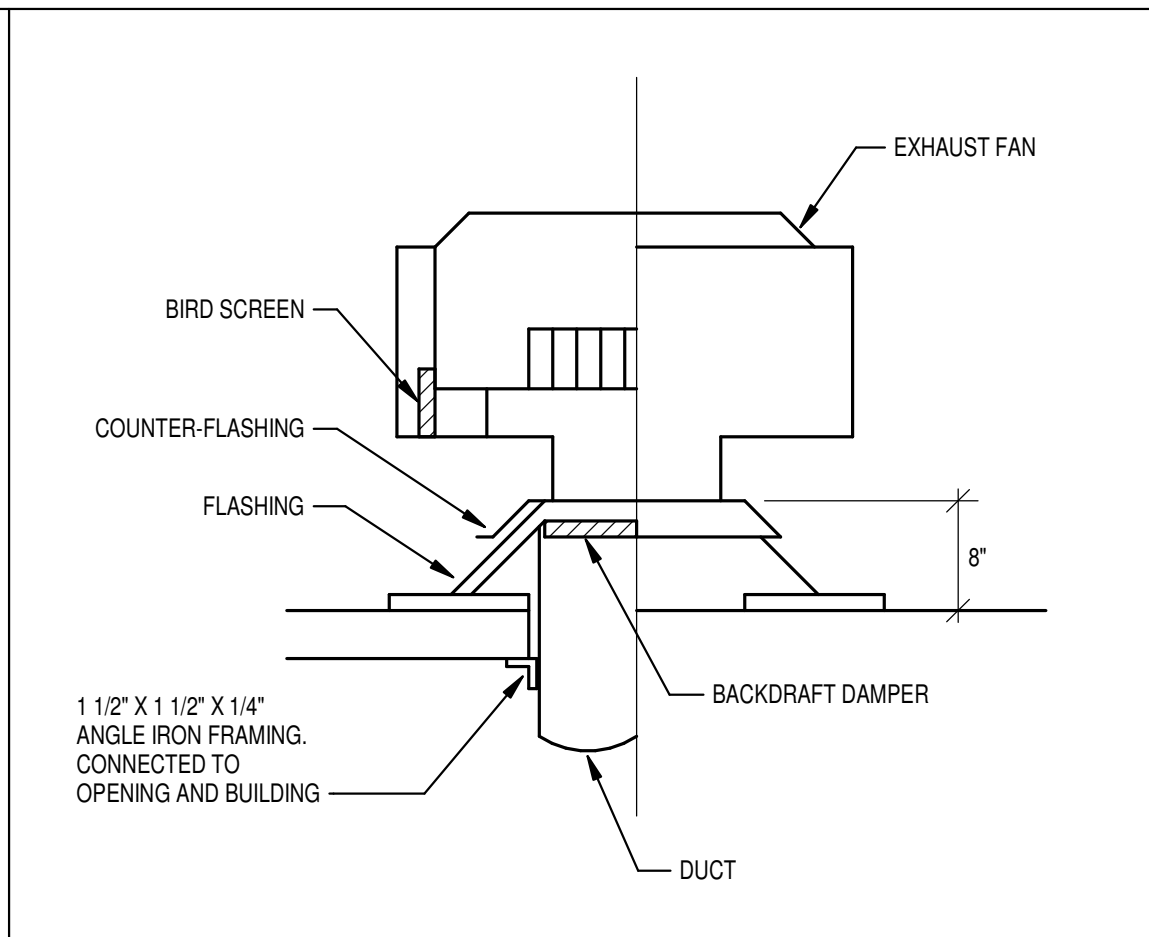
3 P-TRAP DETAIL

NO SCALE



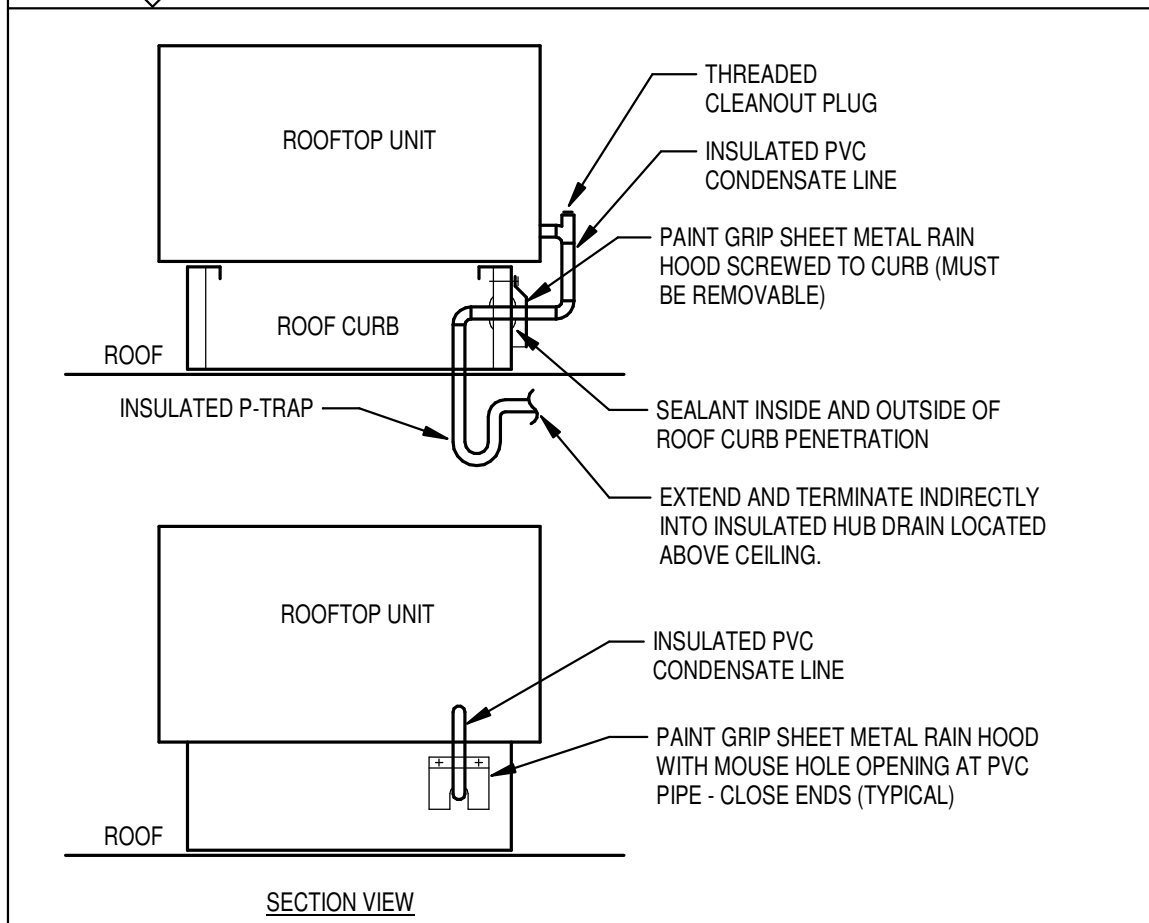
4 CONCENTRIC FLUE THROUGH ROOF DIAGRAM

NO SCALE



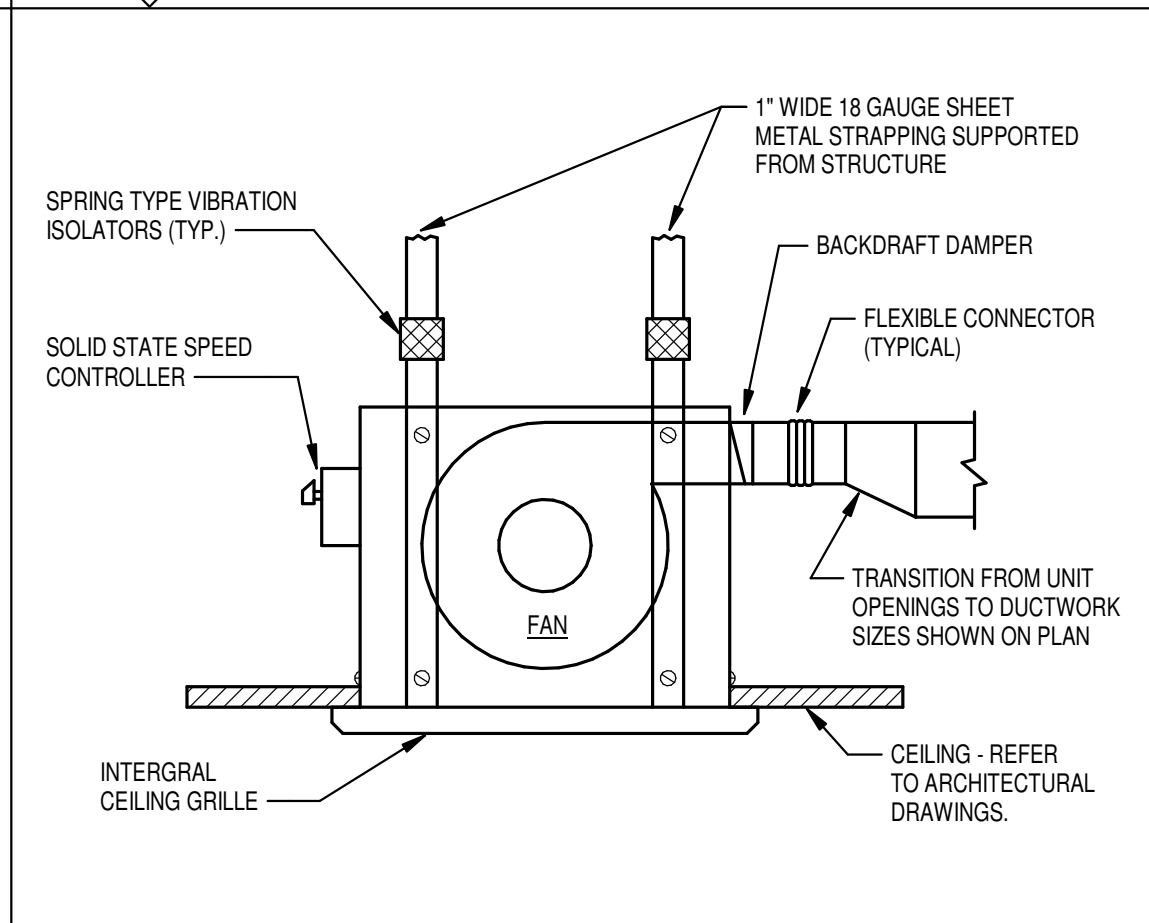
5 CURB MOUNTED FAN DETAIL

NO SCALE



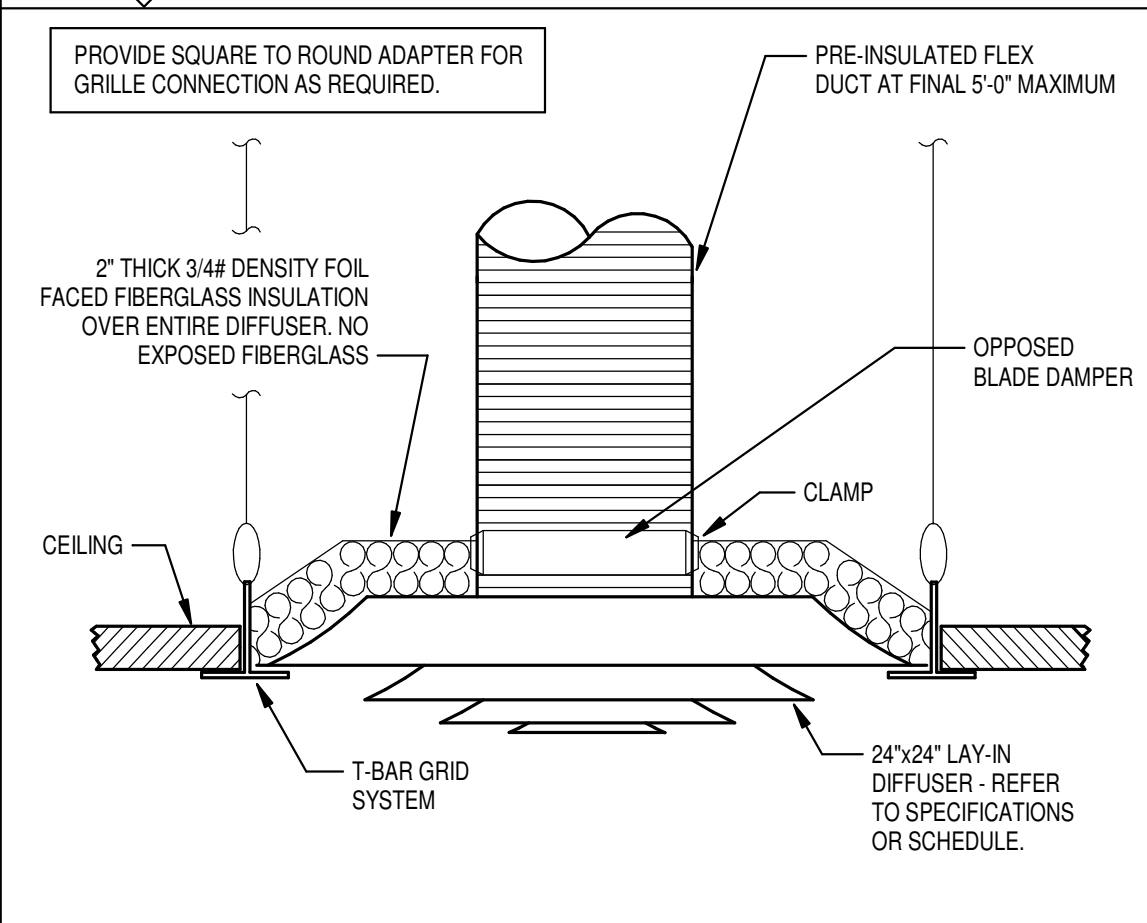
6 RTU CONDENSATE DRAIN (THRU ROOF CURB)

NO SCALE



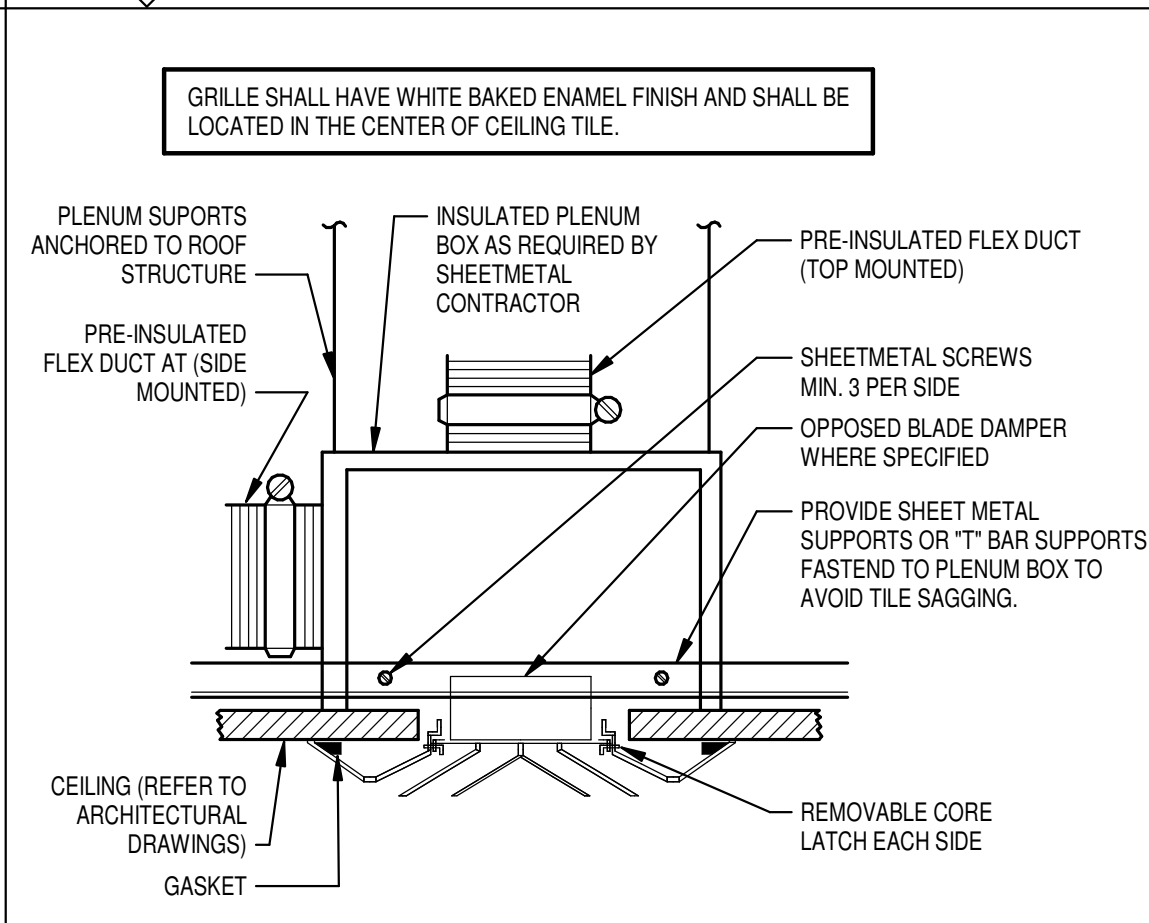
7 CEILING FAN INSTALLATION DETAIL

NO SCALE



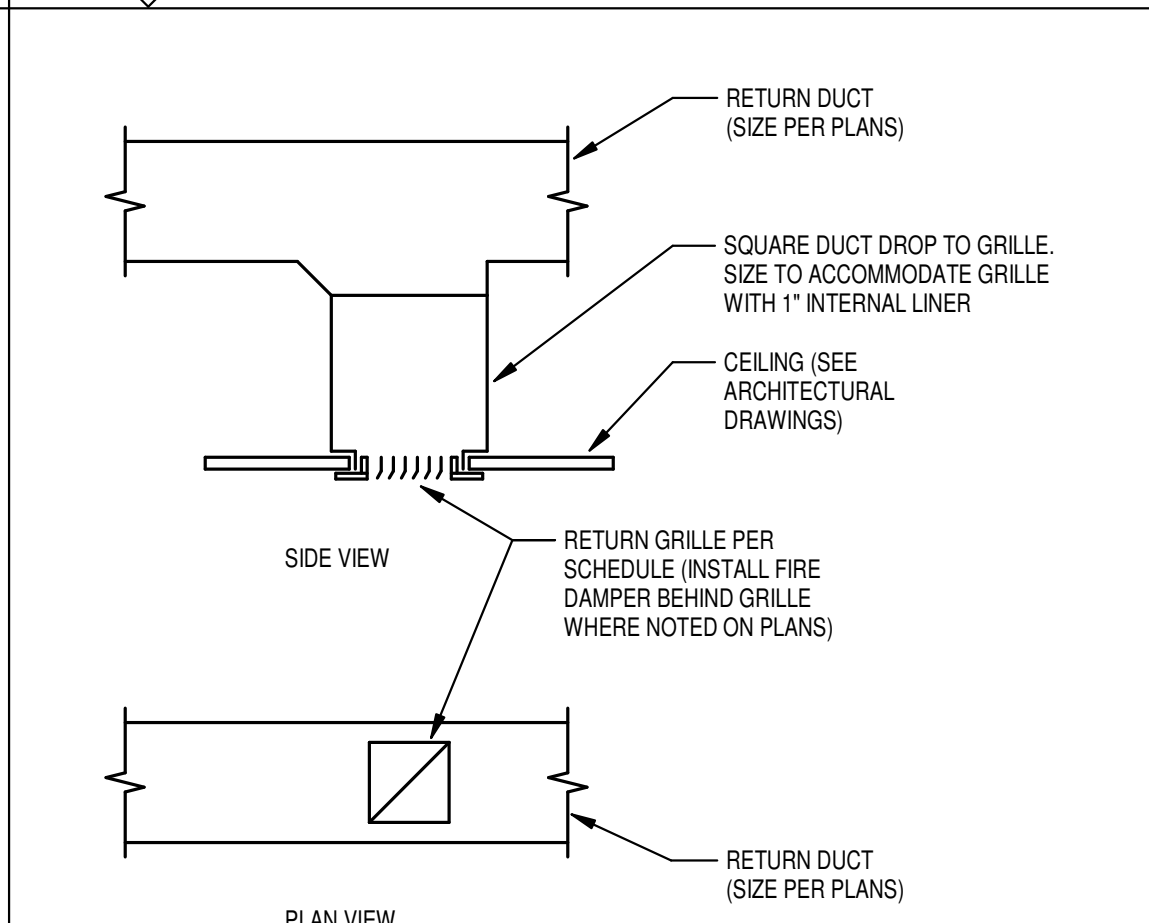
8 LAY-IN DIFFUSER DETAIL

NO SCALE



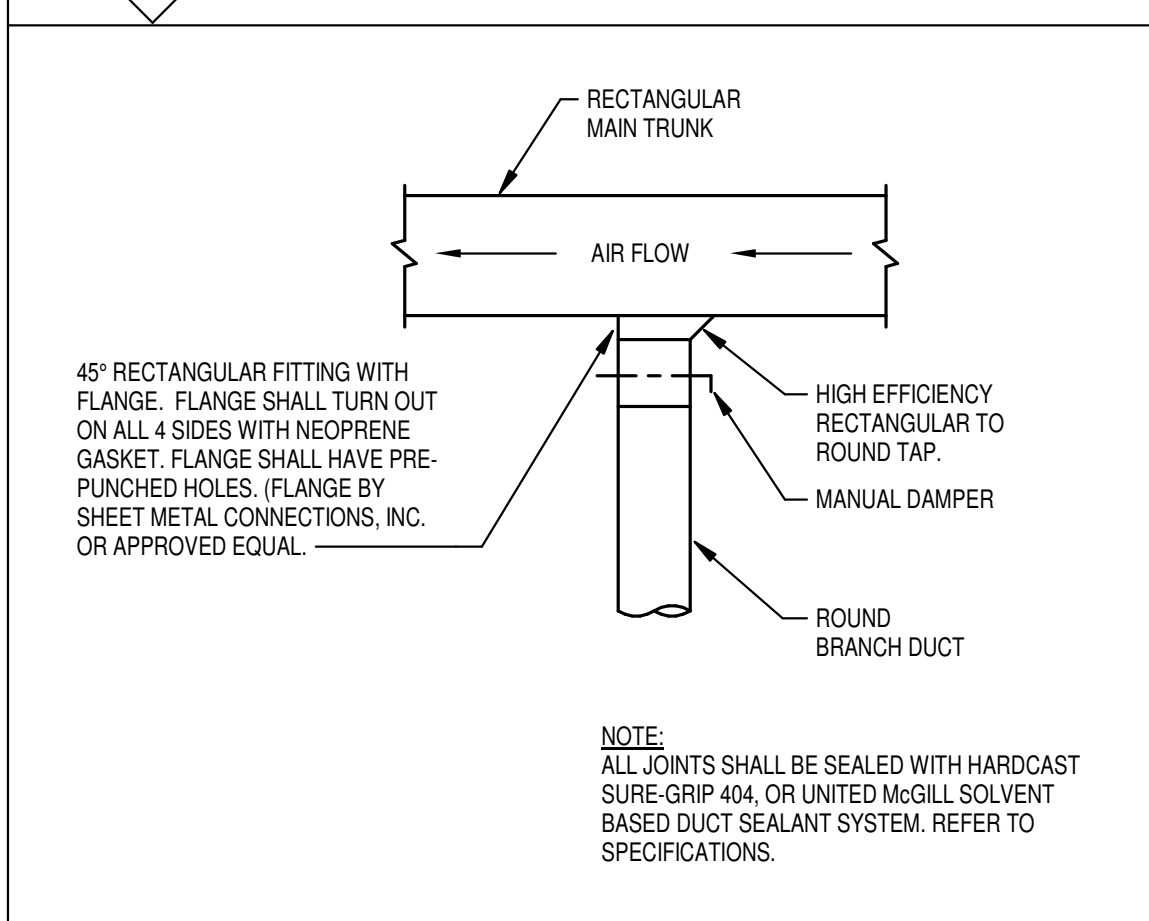
9 SUPPLY DIFFUSER SURFACE MOUNTED DETAIL

NO SCALE



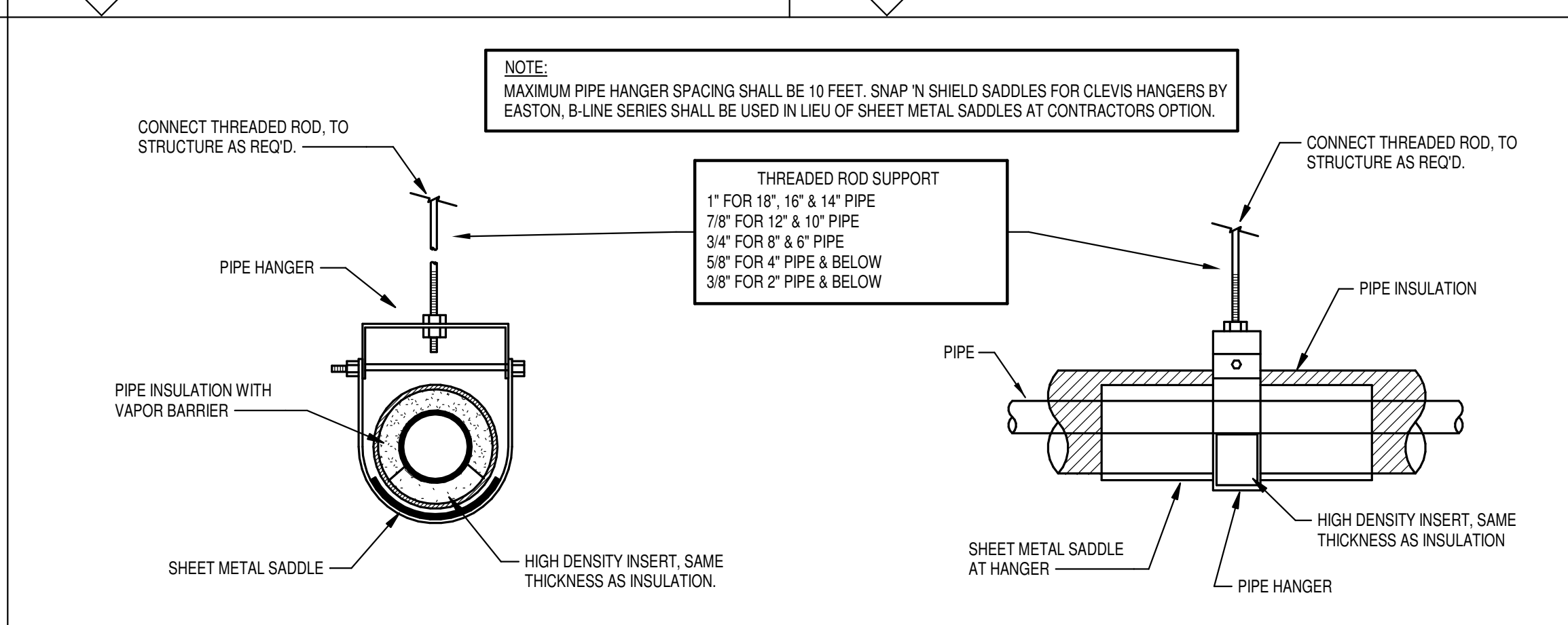
10 RETURN GRILLE DIAGRAM

NO SCALE



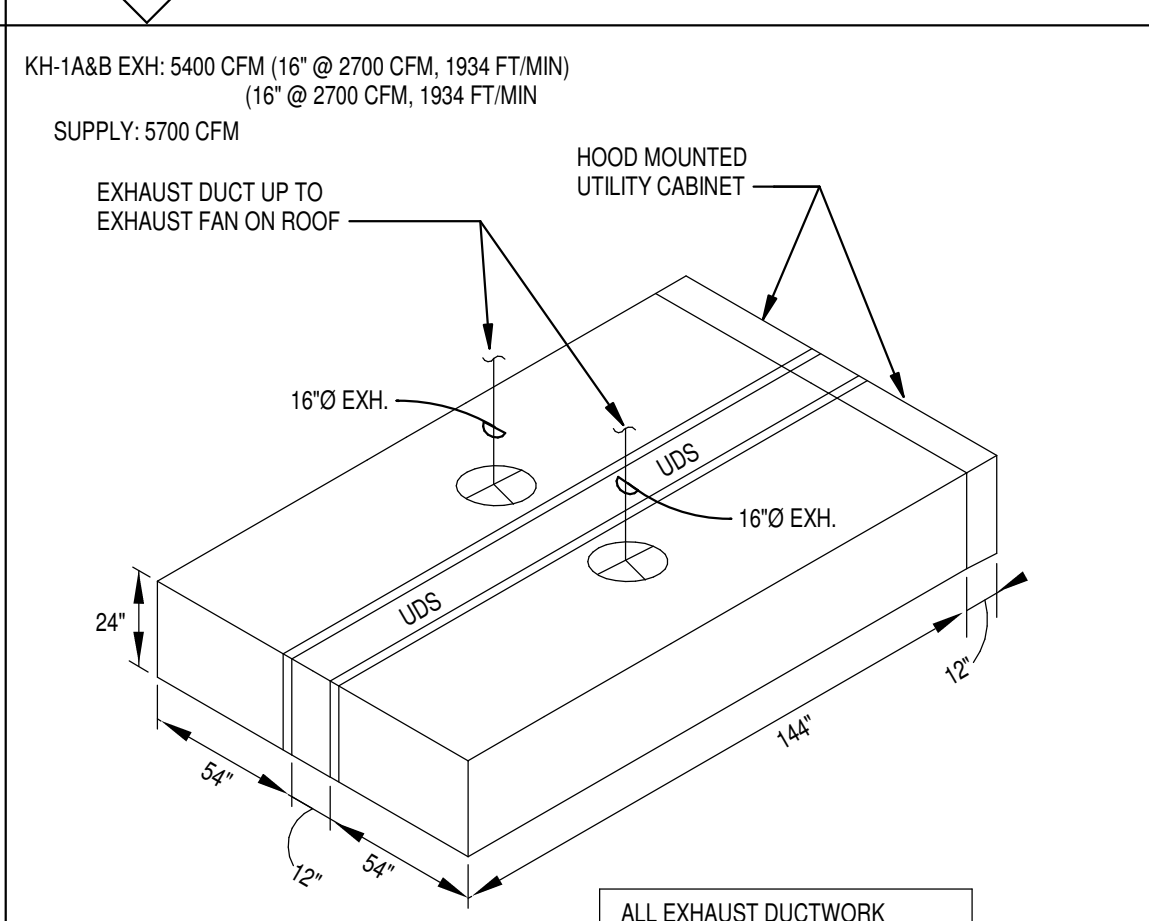
11 SUPPLY OR RETURN DUCT CONNECTION DETAIL

NO SCALE



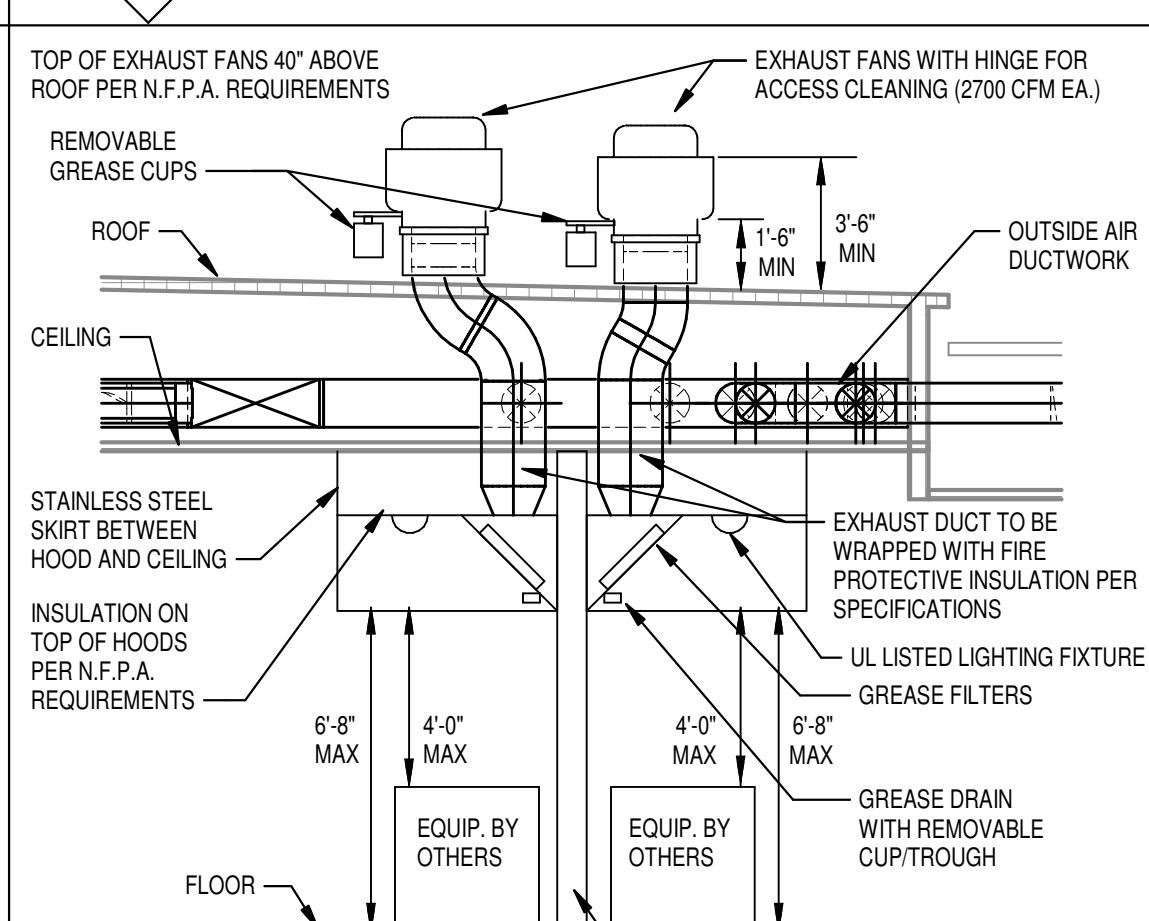
12 INSULATED PIPE HANGER DETAIL

NO SCALE



13 DUCTWORK AT KITCHEN HOOD RISER DIAGRAM

NO SCALE

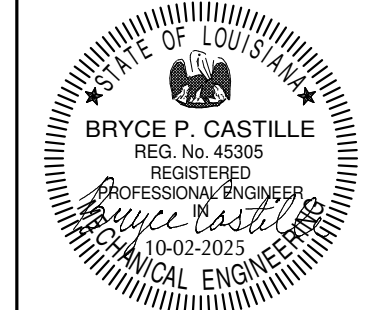


14 KITCHEN HOOD "KH-1A&B" DETAIL

NO SCALE

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MECHANICAL
DETAILS



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PROJECT No.: 25067.00



PACKAGED A/C UNIT SCHEDULE (ELECTRIC HEAT)																									
UNIT NO.	SERVICE	UNIT					FAN				COOLING					HEATING						BASIS OF DESIGN			
		UNIT MCA	UNIT FLA	UNIT MOCP	VOLTAGE	PHASE	UNIT WEIGHT	MIN. CFM	FRESH AIR CFM	EXT. S.P.	FAN H.P.	MIN. BTU/H OUTPUT	EVAP TEMP (°F)	AMB. TEMP. (°F)	E.A.T. (°F) DB	WB	MIN. BTU/H OUTPUT	ELECT. STRIP (kW) MIN.	MAX.	NO. STAGES	VOLTAGE		PHASE	AIR TEMP (°F) E.A.T.	L.A.T.
RTU-1	DINING	154	139	175	230	3	2111 lb	8000	750	1	3	240,000	45	95	76	64	184,400	52	54	2	230	3	66	87	TRANE TSK240 OR PRIOR APPROVED EQUAL
RTU-2	KITCHEN SUPPORT	42	37.2	50	230	3	763 lb	1600	40	1	1	48,000	45	95	76	64	40,980	12	14	1	230	3	66	89	TRANE TSK048 OR PRIOR APPROVED EQUAL

- NOTES: 1. PROVIDE UNIT WITH
A. OUTSIDE AIR WEATHERHOOD AND MOTORIZED DAMPER.
B. A SINGLE POINT POWER CONNECTION.
C. R454B OR R32 REFRIGERANT.
D. UNIT SHALL HAVE REFRIGERANT DETECTION SYSTEM (RDS) AND MITIGATION RESPONSE, PER UL SAFETY STANDARD 60335-2-40.
E. FACTORY PROVIDED INSULATED ROOF CURB. COORDINATE INSTALLATION WITH ROOFING MANUFACTURER
F. POWERED CONVENIENCE OUTLET.
G. AIR IONIZATION DEVICE. INTERLOCK DEVICE WITH UNIT'S FAN OPERATION.
2. PROVIDE RTU-1 WITH SUPPLY AND RETURN SIDE SMOKE DETECTORS.

DEDICATED 100% OUTSIDE AIR - ROOFTOP UNIT SCHEDULE (GAS HEAT)																										
UNIT NO.	SERVICE	VOLTAGE	PHASE	F.L.A.	M.C.A.	M.O.C.P.	WEIGHT	SUPPLY FAN					COOLING				REHEAT		HEATING					BASIS OF DESIGN		
								MIN. CFM	FRESH AIR CFM	EXT. S.P.	FAN H.P.	DRIVE TYPE	MIN. BTU/H OUTPUT	AMB. TEMP (°F)		COIL LAT (°F)		TOTAL CAP. BTU/H	L.A.T. DB (°F)	MIN. BTU/H OUTPUT	MIN. BTU/H INPUT	TURNDOWN	AIR TEMP (°F)		FUEL TYPE	
														DB	WB	DB	WB						E.A.T.	L.A.T.		
DOAS-1	KITCHEN	230	3	157	173	225	6098.00	5700	5700	1	4.8	DIRECT	512,200	95	80	55	55	232300	94.6	486,000	600,000	16:1	25	107.5	NATURAL GAS	GREENHECK OR PRIOR APPROVED EQUAL

- NOTES: 1. PROVIDE UNIT WITH
A. OUTSIDE AIR WEATHERHOOD AND MOTORIZED DAMPER.
B. FACTORY PROVIDED INSULATED ROOF CURB. COORDINATE INSTALLATION WITH ROOFING MANUFACTURER.
C. POWERED CONVENIENCE OUTLET.
D. SINGLE POINT POWER CONNECTION.
E. MODULATING COOLING OPTION WITH VARIABLE SPEED COMPRESSOR.
F. SUPPLY FAN CONTROL - CONSTANT VOLUME - ADJUSTABLE SETPOINT.
G. R454B OR R32 REFRIGERANT.
H. FACTORY INSTALLED REFRIGERANT LEAK DETECTION SYSTEM FOR SYSTEMS USING AL2 REFRIGERANTS.
I. FREEZE STAT.
J. INTEGRAL TRANSFORMER FOR CONTROLS.
2. MOTORIZED DAMPER SHALL BE INTERLOCKED WITH KITCHEN HOODS. WHEN THE KITCHEN HOODS ARE ON THE UNIT SHALL PROVIDE 100% OUTSIDE AIR TO THE SPACE AND THE UNIT IS TO PROVIDE 65°F DISCHARGE AIR. WHEN THE HOODS ARE OFF THE UNIT IS TO RECIRCULATE ROOM AIR AND THE UNIT IS TO PROVIDE 55°F DISCHARGE AIR INTO THE SPACE. WHEN THE HOODS ARE OFF THE UNITS SET POINT SHALL BE CONTROLLED BY A REMOTE WALL MOUNTED THERMOSTAT IN THE SPACE.

KITCHEN HOOD SCHEDULE						
UNIT NO.	SERVICE	CAPTURE AREA		EXHAUST AIR		BASIS OF DESIGN
		LENGTH	WIDTH	TOTAL CFM	E.S.P. (IN W.G.)	
KH-1B	KITCHEN	12' - 0"	4' - 6"	2700	0.2	GREENHECK OR PRIOR APPROVED EQUAL
KH-1A	KITCHEN	12' - 0"	4' - 6"	2700	0.2	GREENHECK OR PRIOR APPROVED EQUAL

- NOTES: 1. EXHAUST FANS TO BE MOUNTED ON ROOF SEPARATELY. PROVIDE TWO SEPARATE ROOF CURBS.
2. PROVIDE HOODS WITH HOOD MOUNTED UTILITY CABINET CONTAINING ANSUL R102 FIRE SUPPRESSION SYSTEM AND HOOD CONTROLS.
3. REFER TO SPECIFICATIONS FOR MORE INFORMATION.

FAN SCHEDULE													
UNIT NO.	SERVICE	MIN. CFM	EXT SP	RPM	SONES	FAN H.P.	TYPE	DRIVE	VOLTAGE	PHASE	CONTROL	MANUFACTURER	MODEL
EF-1	RESTROOM	50	0.25	814	2	7 W	CEILING	DIRECT	115	1	SWITCH W/ LIGHTS	GREENHECK, COOK	SP-B80, GC 180
KEF-1A	KH-1A	2700	1.50	1447	18.9	1500 W	ROOF	DIRECT	230	3	HOOD SWITCH	GREENHECK OR PRIOR APPROVED EGAUL	CUE-160-VG
KEF-1B	KH-1B	2700	1.50	1447	18.9	1500 W	ROOF	DIRECT	230	3	HOOD SWITCH	GREENHECK OR PRIOR APPROVED EGAUL	CUE-160-VG
KEF-2	DISHWASHER	600	0.50	1659	8.3	375 W	ROOF	DIRECT	115	1	DISHWASHER CONTROL	GREENHECK OR PRIOR APPROVED EGAUL	CUE-090-VG

- NOTES: 1. PROVIDE EF-1 WITH INTEGRAL BACK-DRAFT DAMPER, INTEGRAL ALUMINUM CEILING GRILLE, SOLID STATE SPEED CONTROLLER FOR BALANCING, SPRING TYPE ISOLATORS AND MANUFACTURER PROVIDED WALL CAP(6"Ø CONNECTION).

DIFFUSER/GRILLE SCHEDULE						
SYMBOL	SIZE	SERVICE	LOCATION	FINISH	O.B.D.	BASIS OF DESIGN
A	6"Ø	SUPPLY	CEILING	WHITE	O.B.D.	TITUS TDC-AA3, PRICE AMD (24" X 24" LAY-IN)
AA	6" X 6"	SUPPLY	CEILING	WHITE	O.B.D.	TITUS TDC-AA-6, PRICE AMD-6
B	8"Ø	SUPPLY	CEILING	WHITE	O.B.D.	TITUS TDC-AA3, PRICE AMD (24" X 24" LAY-IN)
C	10"Ø	SUPPLY	CEILING	WHITE	O.B.D.	TITUS TDC-AA3, PRICE AMD (24" X 24" LAY-IN)
G	18" X 18"	SUPPLY	CEILING	COLOR BY ARCH	O.B.D.	TITUS TDC-AA3, PRICE AMD (24" X 24" LAY-IN)
R	22" X 22"	RETURN	CEILING	WHITE	---	TITUS 355FL-3, PRICE 635-F (24" X 24" LAY-IN)
RC	22" X 22"	RETURN	CEILING	COLOR BY ARCH	---	TITUS 355FL-3, PRICE 635-F (24" X 24" LAY-IN)
S	12" X 12"	RETURN	CEILING	WHITE	---	TITUS 355FL-3, PRICE 635-F (24" X 24" LAY-IN)

- NOTES: 1. COORDINATE FINAL FINISHES AND COLOR WITH ARCHITECT.
2. REFER TO PLANS FOR DIRECTION OF AIR FLOW FOR GRILLES. IF DIRECTION IS NOT INDICATED, AIR FLOW IS IN FOUR DIRECTION (4-WAY GRILLE).
3. COORDINATE FINAL LOCATIONS WITH REFLECTIVE CEILING PLANS. REFER TO ARCHITECTURAL DRAWINGS.
4. ALL DIFFUSERS SHALL HAVE ALUMINUM CONSTRUCTION.



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Date: OCT 2025
Project No.: 21-001

File Name:

DESCRIPTION:
MECHANICAL
SCHEDULES

DEFINE

ELECTRICAL ABBREVIATIONS

CT	DENOTES COUNTER-TOP-HEIGHT MOUNTED. CONTRACTOR TO VERIFY COUNTER TOP HEIGHT AND HEIGHT OF BACK SPLASH.
E	DENOTES EMERGENCY DEVICE
G	DENOTES GROUND FAULT INTERRUPTER PROTECTED
WP	DENOTES WEATHERPROOF
AFF	DENOTES ABOVE FINISHED FLOOR
C	DENOTES CONDUIT
A	DENOTES AMP
EWC	ELECTRICAL WATER COOLER
W	WALL MOUNTED-48" ABOVE FINISHED FLOOR OR AS NOTED
CB	CODE BLUE
IG	DENOTES ISOLATED GROUND
FDS	FUSED DISCONNECT SWITCH
BOF	BOTTOM OF FIXTURE
MRR	MANUFACTURER'S RECOMMENDED RATING
WR	WEATHER RESISTANT
VOJ	VERIFY ON JOB
VR	VANDAL RESISTANT
SPD	SURGE PROTECTION DEVICE - REFER TO SPECIFICATIONS.

ELECTRICAL LINE TYPE LEGEND

    	SCREENED LINES/SYMBOLS INDICATE EXISTING DEVICES TO REMAIN.
    	DASHED LINES/SYMBOLS INDICATE EXISTING DEVICES TO BE REMOVED OR RELOCATED.
    	BOLD LINES/SYMBOLS INDICATE NEW OR RELOCATED DEVICES.
	SOLID-FILL LIGHTS INDICATE EMERGENCY FIXTURES. CIRCUIT BATTERY PACK AHEAD OF SWITCH.

ELECTRICAL GENERAL
DEFINITION NOTES

- # DEMOLITION NOTES
1. THE CONTRACTOR IS ALLOWED TO RE-USE EXISTING DEVICES, DISCONNECTS, & PANELS IF THE EQUIPMENT IS IN GOOD WORKING CONDITION. THE CONTRACTOR SHALL CLEAN & REPAIR THE EXISTING DEVICES AS NEEDED IF THE CONTRACTOR CHOOSES TO RE-USE.
 2. REMOVE EXISTING LIGHT FIXTURES, DISCONNECTS, OUTLETS, BOXES, WIRING, CONDUIT, ETC. AND OFFER TO OWNER. IF OWNER REFUSES, ELECTRICAL CONTRACTOR SHALL REMOVE FROM SITE AND PROPERLY AND LEGALLY DISPOSE.
 3. REMOVE EXISTING DEVICES FROM WALLS BEING DEMOLISHED. IF THEY OCCUR IN THE MIDDLE OF A CIRCUIT, MAKE THE REMAINDER OF THE CIRCUIT CONTINUOUS.
 4. MAINTAIN ALL REMAINING EXISTING CIRCUITS WHERE INTERRUPTED BY DEMOLITION WORK. PROVIDE WIRING AND CONDUIT TO RESTORE CONTINUOUS CIRCUIT INTEGRITY.
 5. PROTECT EXISTING ELECTRICAL EQUIPMENT AND INSTALLATIONS INDICATED TO REMAIN. IF DAMAGED OR DISTURBED IN THE COURSE OF THE WORK, REMOVE DAMAGED PORTIONS AND INSTALL NEW PRODUCTS OF EQUAL CAPACITY, QUALITY, AND FUNCTIONALITY.
 6. CONTACT LOUISIANA ONE CALL FOR IDENTIFICATION OF ALL UNDERGROUND UTILITIES PRIOR TO REMOVAL.
 7. EXISTING ROUTING OF CIRCUITS/FEEDERS ARE INDICATED ON DRAWINGS FOR REFERENCE ONLY. CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXACT LOCATIONS OF FEEDERS/CIRCUITS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL BARE ALL COST OF RESTORING EXISTING ELECTRICAL FUNCTIONALITY SHOULD ANY EXISTING UNDERGROUND ELECTRICAL UTILITIES BE DAMAGED DURING THE COURSE OF CONSTRUCTION.

DESIGN

ELECTRICAL LEGEND	
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SYMBOL	LIGHTING DESCRIPTION	SYMBOL	SPECIAL SYSTEMS DESCRIPTION
	LIGHTING FIXTURE-REFER TO LIGHTING FIXTURE SCHEDULE		
	LIGHTING FIXTURE-REFER TO LIGHTING FIXTURE SCHEDULE		COMMUNICATIONS OUTLET - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH PULLSTRING IN 1" CONDUIT TO ACCESSIBLE CEILING (18" A.F.F OR AS NOTED) - PROVIDE A BLANK PLATE.
	LIGHTING FIXTURE-REFER TO LIGHTING FIXTURE SCHEDULE		
	LIGHTING FIXTURE-REFER TO LIGHTING FIXTURE SCHEDULE		TELEVISION OUTLET-DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH PULLSTRING IN 1" C. TO ACCESSIBLE CEILING (VERIFY MOUNTING HEIGHT AND LOCATION WITH ARCHITECT) - PROVIDE BLANK PLATE.
	CEILING MOUNTED EXIT LIGHT - REFER TO LIGHTING FIXTURE SCHEDULE - ARROWS DEFINE DIRECTION		DATA JACK ABOVE CEILING W/ 30' OF SLACK (FUTURE WIRELESS ACCESS POINT) XX - DENOTES CABLE QUANTITY
	WALL MOUNTED EXIT LIGHT - COORDINATE FINAL MOUNTING HEIGHT WITH THE ARCHITECT - REFER TO LIGHTING FIXTURE SCHEDULE - ARROWS DEFINE DIRECTION		AUDIO & VISUAL - DEEP 4" SQUARE DEEP DOUBLE GANG BOX WITH DOUBLE GANG PLASTER RING (MOUNT 18" A.F.F. V.O.J.) WITH 1 1/4" CONDUIT WITH CABLE/PULLSTRING TO A MINIMUM OF 6" ABOVE CEILING.
	EMERGENCY LIGHT (8"-0" A.F.F. OR AS NOTED) - REFER TO LIGHTING FIXTURE SCHEDULE		OVERHEAD PROJECTOR - DEEP 4" SQUARE BOX INSTALLED ABOVE CEILING ADJACENT TO OVERHEAD PROJECTOR (SEE DETAIL)
	CEILING MOUNTED EGRESS LIGHT - REFER TO LIGHTING FIXTURE SCHEDULE		AUDIO & VISUAL - RECESSED FLOOR BOX - WIREMOLD RFB9 OR EQUAL (SEE DETAIL)
	PHOTOCELL		SMART BOARD J-BOX - 4" SQUARE DEEP BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PULLSTRING IN 3/4" CONDUIT TO ACCESSIBLE CEILING. (SEE DETAIL)
	SINGLE POLE TOGGLE SWITCH (48" A.F.F. TO TOP OF DEVICE BOX OR AS NOTED)		CONTROL STATION - 4" SQUARE DEEP BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PULLSTRING IN 3/4" CONDUIT TO ACCESSIBLE CEILING. (SEE DETAIL)
	THREE-WAY TOGGLE SWITCH (48" A.F.F. TO TOP OF DEVICE BOX OR AS NOTED)		
	WALL MOUNTED DIMMER SWITCH WITH ON/OFF AND 0-10V OUTPUT DIMMING. DIMMER MUST BE COMPATIBLE WITH BALLAST OR LED. REFER TO SPECIFICATIONS. PROVIDE ALL NECESSARY CONDUCTORS FOR COMPLETE OPERATING SYSTEM. (48" A.F.F. TO TOP OF DEVICE BOX OR AS NOTED)		
	MOTOR RATED SWITCH - CONTRACTOR TO PROVIDE SWITCH TO DE-ENERGIZE EACH CURRENT CARRYING CONDUCTOR. LOCATE ADJACENT TO EQUIPMENT BEING SERVED IN A READILY ACCESSIBLE LOCATION.		
	SINGLE POLE KEYED SWITCH (48" A.F.F. TO TOP OF DEVICE BOX OR AS NOTED)		
	SWITCH (48" A.F.F. TO TOP OF DEVICE BOX OR AS NOTED) COORDINATE TYPE AND INSTALLATION REQUIREMENTS WITH MANUFACTURER. COORDINATE LOCATION WITH OWNER.		
	SINGLE POLE DIGITAL PRESET COUNT DOWN TYPE TIMER SWITCH (48" A.F.F. TO TOP OF DEVICE BOX OR AS NOTED) SENSOR SWITCH PTS 60 OR EQUAL		
	WALL MOUNTED VACANCY SENSOR (48" A.F.F. TO TOP OF DEVICE BOX OR AS NOTED) - REFER TO SPECIFICATIONS.		
	TOUCHSCREEN LIGHTING CONTROL STATION - ACUITY FCS-7TSM OR APPROVED EQUAL.		
	CORNER MOUNTED VACANCY SENSOR - MOUNTING HEIGHT TO BE DETERMINED PER MANUFACTURER'S RECOMMENDATIONS FOR OPTIMAL COVERAGE - MYTECH, WATT STOPPER		
	POWER DESCRIPTION		
	DUPLEX CONVENIENCE OUTLET (18" A.F.F. FOR GENERAL AREAS, 36" A.F.F. FOR GARAGES, HANGARS AND THE LIKE OR AS NOTED)		
	TELEVISION OUTLET (VERIFY MOUNTING HEIGHT AND LOCATION WITH ARCHITECT)		
	ELECTRICAL WATER COOLER; COORDINATE ELECTRICAL DEVICE/OUTLET TYPE AND LOCATION WITH PLUMBING CONTRACTOR (CONCEAL OUTLET/DEVICE BEHIND COOLER) OUTLET TO BE GROUND FAULT INTERRUPTER PROTECTED.		
	MICROWAVE OUTLET - RECESSED 20 AMP DUPLEX OUTLET. HUBBELL OR EQUAL. VERIFY EXACT MOUNTING LOCATION WITH OWNER/ARCHITECT PRIOR TO ROUGH IN.		
	WATER HEATER; COORDINATE ELECTRICAL OUTLET/DISCONNECT TYPE AND LOCATION WITH PLUMBING CONTRACTOR		
	SMART BOARD OUTLET - SB DENOTES HEIGHT OF OUTLET PER OWNER		
	DUPLEX CONVENIENCE OUTLET (18" A.F.F. OR AS NOTED) TR DENOTES TAMPER RESISTANT - HUBBELL; RR205TR, GFTR20 OR EQUAL.		
	COMBINATION RECEPTACLE/OUTLET AND DUAL USB CHARGER - LEVITON T5832 OR EQUAL. (18" A.F.F. OR AS NOTED)		
	DOUBLE DUPLEX CONVENIENCE OUTLET (18" A.F.F. OR AS NOTED)		
	SPECIAL OUTLET (VERIFY TYPE AND MOUNTING HEIGHT WITH EQUIPMENT MANUFACTURER)		
	COUNTER TOP DUPLEX OUTLET (CLEAR BACK SPLASH)		
	CEILING MOUNTED OUTLET		
	MOTOR STARTER - PROVIDED BY MECHANICAL CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR.		
	FLOOR BOX, POWER (COORDINATE FINAL LOCATION WITH OWNER/ARCHITECT PRIOR TO INSTALLATION) MINIMUM 2-3/4" CONDUITS TO ACCESSIBLE CEILING.		
			
	FLOOR BOX, COMBINATION POWER/COMMUNICATIONS WITH 1 DUPLEX CONVENIENCE OUTLET. (COORDINATE FINAL LOCATION WITH OWNER/ARCHITECT PRIOR TO INSTALLATION. 2-1" CONDUITS IN SLAB TO 6" ABOVE ACCESSIBLE CEILING - PROVIDE BLANK PLATE.		
	JUNCTION BOX		
	CONTROL POWER FOR ENERGY MANAGEMENT SYSTEM - PROVIDE OUTLET OR JUNCTION BOX AT LOCATION PER EMS CONTRACTOR		
	HAND DRYER - COORDINATE OUTLET/DEVICE TYPE WITH SUPPLIER. COORDINATE LOCATION WITH THE OWNER/ARCHITECT PRIOR TO ROUGH-IN.		
	ELECTRICAL MOTOR (COORDINATE TERMINATION WITH SUPPLIER)		
	FUSED DISCONNECT SWITCH - FUSE AT MANUFACTURER RECOMMENDED RATING UNLESS NOTED OTHERWISE. XX DENOTES DISCONNECT SIZE, Y DENOTES PHASE, ZZ FZ DENOTES FUSE SIZE.		
	ELECTRICAL PANEL SURFACE MOUNTED		
	ELECTRICAL PANEL FLUSH MOUNTED		
	TELEPHONE/POWER POLE: COORDINATE EXACT MOUNTING LOCATION WITH FURNITURE MANUFACTURER. MAKE FINAL CONNECTIONS. REFER TO DETAIL. WIRE MOLD: 30TP-4V		
	CONDUIT RUN CONCEALED IN WALL OR ABOVE CEILING		
	CONDUIT RUN CONCEALED UNDER FLOOR OR BELOW GRADE		
	HOMERUN TO ELECTRIC PANEL BOARD (INDICATED NUMBER OF CIRCUIT BY NUMBER OF ARROWS)		
	THREE (3) CONDUCTORS RUN IN CONDUIT. EVERY CIRCUIT TO HAVE A GROUND, SHARED NEUTRAL IS NOT ALLOWED.		
	FOUR (4) CONDUCTORS RUN IN CONDUIT. EVERY CIRCUIT TO HAVE A GROUND, SHARED NEUTRAL IS NOT ALLOWED.		
	FIVE (5) CONDUCTORS RUN IN CONDUIT. EVERY CIRCUIT TO HAVE A GROUND, SHARED NEUTRAL IS NOT ALLOWED.		
	FOUR (4) CONDUCTORS RUN IN CONDUIT, ONE CONDUCTOR DESIGNATED FOR ISOLATED GROUND		
	MOTORIZED DAMPER - PROVIDE BY OTHERS. ELECTRICALLY POWERED BY ELECTRICAL CONTRACTOR WHEN NOTED.		
	VARIABLE FREQUENCY DRIVE PROVIDED BY MECHANICAL AND INSTALLED BY ELECTRICAL. MAINTAIN CLEARANCES PER NFPA 70		
	SECURITY SYSTEM DESCRIPTION		
	SURVEILLANCE CAMERA (BY OTHERS) - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH PULLSTRING IN 3/4" CONDUIT TO ACCESSIBLE CEILING. VERIFY HEIGHT, LOCATION AND QUANTITY WITH OWNER/ARCHITECT PRIOR TO INSTALLATION.		
</			

DELIVER

ELECTRICAL GENERAL NOTES

1. ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) AS WELL AS ANY LOCAL CODES AND ORDINANCES.
2. MAINTAIN PROPER WORKING SPACE CLEARANCES ABOUT ELECTRICAL EQUIPMENT PER NEC ARTICLE 110.26.
3. FULLY COORDINATE ALL ELECTRICAL REQUIREMENTS OF THIS CONSTRUCTION CONTRACT. EACH SYSTEM SHALL BE COMPLETE AND FULLY FUNCTIONAL. THIS INCLUDES MECHANICAL, PLUMBING, OWNER PROVIDED AND CONTRACTOR PROVIDED EQUIPMENT. CONTRACTOR TO REFER TO EQUIPMENT INSTALLATION DOCUMENTS AND SHOP DRAWINGS PRIOR TO ANY ROUGH-IN.
4. CONTRACTOR SHALL COORDINATE CIRCUIT BREAKER AND FUSE SIZES FOR MECHANICAL EQUIPMENT PER SUBMITTED EQUIPMENT MANUFACTURER'S RECOMMENDED NAMEPLATE RATINGS PRIOR TO SHOP DRAWING PHASE OF PROJECT.
5. INTERRUPTION OF SERVICE: BEFORE ANY EQUIPMENT IS SHUT DOWN FOR DISCONNECTING OR TIE-INS, ARRANGEMENTS SHALL BE MADE WITH THE ARCHITECT AND THIS WORK SHALL BE DONE AT THE TIME BEST SUITED TO THE OWNER'S NEEDS. IF THE WORK IS DECOUPLED THROUGH THE ARCHITECT, THE ARCHITECT SHALL REVIEW EXTENT, LENGTH, AND TIMING OF OUTAGES. SERVICES SHALL BE RESTORED THE SAME DAY. PROVIDE TEMPORARY POWER OR OTHER SERVICES AS REQUIRED DURING OUTAGES. ALL OVERTIME OR PREMIUM COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE BASE BID.
6. COORDINATE LOCATION OF ELECTRICAL EQUIPMENT WITH PIPES AND DUCT WORK BEING SUPPLIED BY OTHER DIVISIONS. THE EQUIPMENT SPACE INCLUDING ALL REFERENCED NEC CLEARANCES SHALL BE MAINTAINED. IF ANY PIPES OR DUCT WORK VIOLATE ANY ELECTRICAL CLEARANCE REQUIREMENTS, IT SHALL BE REMOVED AND RELOCATED AT THE CONTRACTOR'S EXPENSE. DRIP PANS ARE NOT PERMITTED UNLESS SPECIFICALLY CALLED FOR IN THE CONSTRUCTION DOCUMENTS
7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SEE THAT ALL EQUIPMENT THAT MAY REQUIRE MAINTENANCE AND OPERATION ARE READILY ACCESSIBLE, REGARDLESS OF THE DIAGRAMMATIC LOCATION SHOWN ON THE DRAWINGS. ALL CONNECTIONS TO FIXTURES AND EQUIPMENT SHOWN ON THE DRAWINGS SHALL BE CONSIDERED DIAGRAMMATIC UNLESS OTHERWISE INDICATED BY A SPECIFIC DETAIL ON THE DRAWINGS. THE ACTUAL CONNECTIONS SHALL BE MADE TO FULLY SUIT THE REQUIREMENTS OF EACH CASE AND ADEQUATELY PROVIDE FOR SERVICING.
8. CONTRACTOR SHALL TAMP AND BACKFILL ALL TRENCHES. TRENCHES SHALL BE LEVEL WITH FINISH GRADE.
9. CONTRACTOR SHALL VISIT THE SITE AND DETERMINE THE EXTENT OF DEMOLITION WORK AND NEW WORK NEEDED FOR THIS PROJECT.
10. CONTRACTOR SHALL BECOME FAMILIAR WITH THE PROJECT SCOPE, CONSTRAINTS, UTILITY CONNECTIONS, AND BUILDING SERVICES.
11. CONTRACTOR SHALL GIVE RIGHT TO REFUSAL OF SALVAGE TO THE OWNER. IF THE OWNER ELIGES TO NOT KEEP SALVAGE, CONTRACTOR SHALL REMOVE SALVAGE BY LAWFUL MEANS.
12. DRAWINGS ARE SCHEMATIC AND DIAGRAMMATIC IN NATURE. DRAWINGS SHALL NOT BE SCALED. COORDINATE ROLING OF SERVICES WITH SITE CONDITIONS AND WITH WORK OF OTHER TRADES.
13. FIELD VERIFY DIMENSIONS PRIOR TO ORDERING, FABRICATING, AND ERECTION OF MATERIAL AND/OR EQUIPMENT. NOTIFY THE ENGINEER OF DISCREPANCIES IN A TIMELY MANNER.
14. SEAL PENETRATIONS THROUGH THE BUILDING ENVELOPE.
15. PENETRATIONS THROUGH RATED WALLS, FLOORS, PARTITIONS AND ASSEMBLIES SHALL BE INSTALLED AND FIRESAFED TO MEET UL FIRE RESISTANCE LISTING AND NFPA REQUIREMENTS FOR THE PENETRATION.
16. COORDINATE DEVICES REQUIRING ACCESS PANELS WITH THE ARCHITECT AND OTHER TRADES.
17. DEVICE SYMBOLS ALONG WITH DRAWINGS, DRAWING NOTES, AND SPECIFICATIONS ARE INTENDED TO PROVIDE A COMPLETE SYSTEM. CONTRACTOR TO COORDINATE WITH ALL TRADES TO PROVIDE A COMPLETE SYSTEM.

TB



LENWIL ELEMENTARY SCHOOL
CAFETERIA RENOVATION

112 ARRANT ROAD
WEST MONROE LA 71292

DRAWING REVISIONS

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Project No.: 21-001

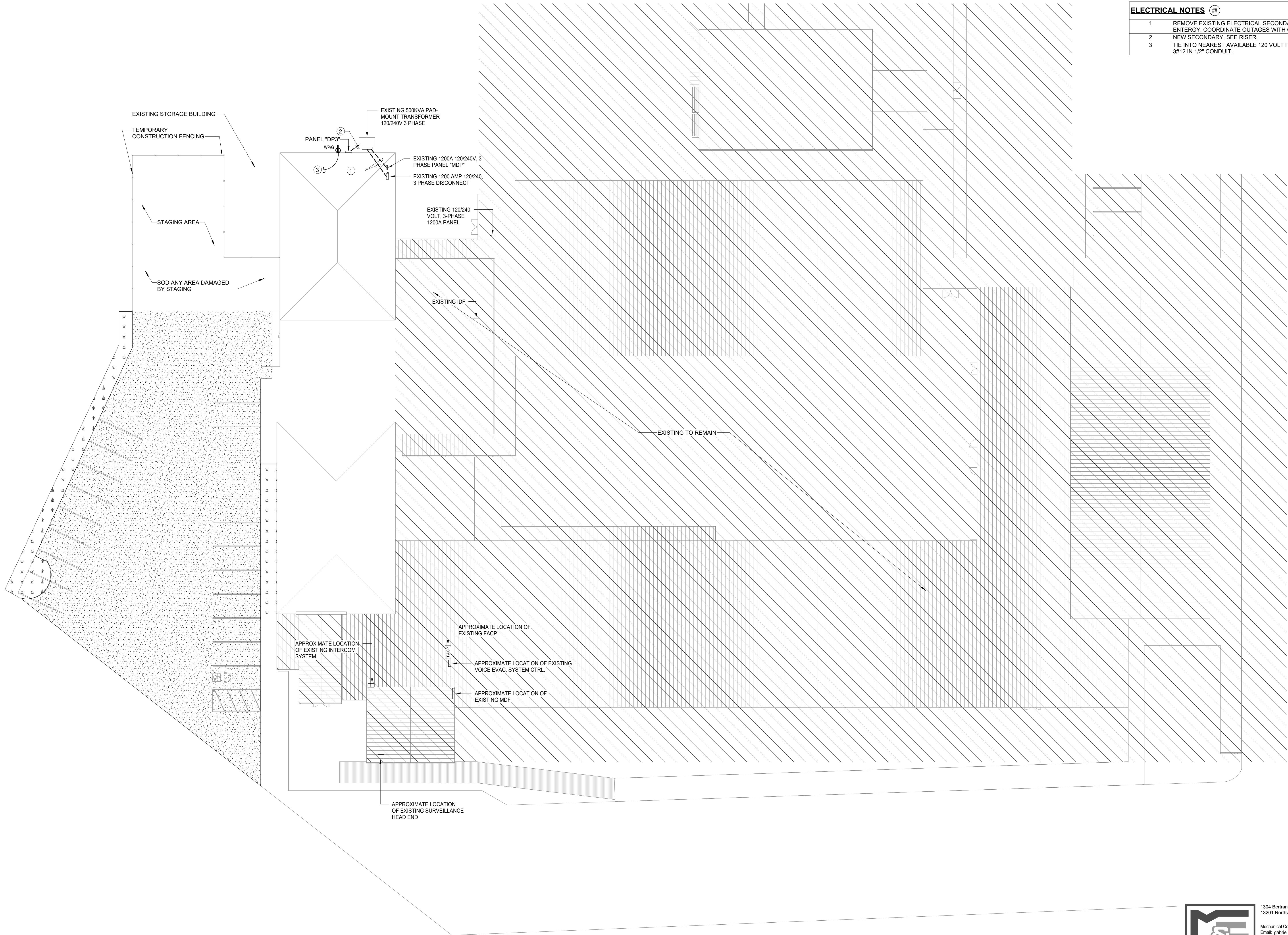
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ELECTRICAL

ELECTRICAL LEGEND

LEGEND



ELECTRICAL NOTES ##	
1	REMOVE EXISTING ELECTRICAL SECONDARY. COORDINATE WITH ENTERGY. COORDINATE OUTAGES WITH OWNER/ARCHITECT.
2	NEW SECONDARY. SEE RISER.
3	TIE INTO NEAREST AVAILABLE 120 VOLT POWER OUTLET CIRCUIT WITH 3/12 IN 1/2" CONDUIT.

1 ELECTRICAL SITE PLAN
1/16" = 1'-0" Refer to Architectural Drawings for All Dimensions



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PROJECT 25067.00
No.



LENWIL ELEMENTARY SCHOOL
CAFETERIA RENOVATOIN

112 APRANT ROAD
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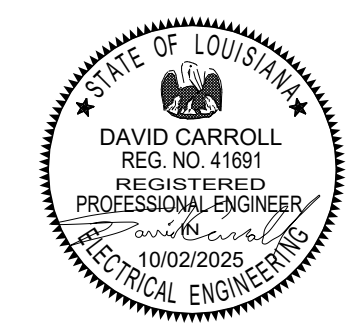
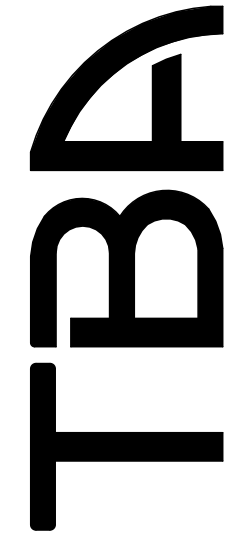
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DESCRIPTION:

ELECTRICAL SITE
PLAN

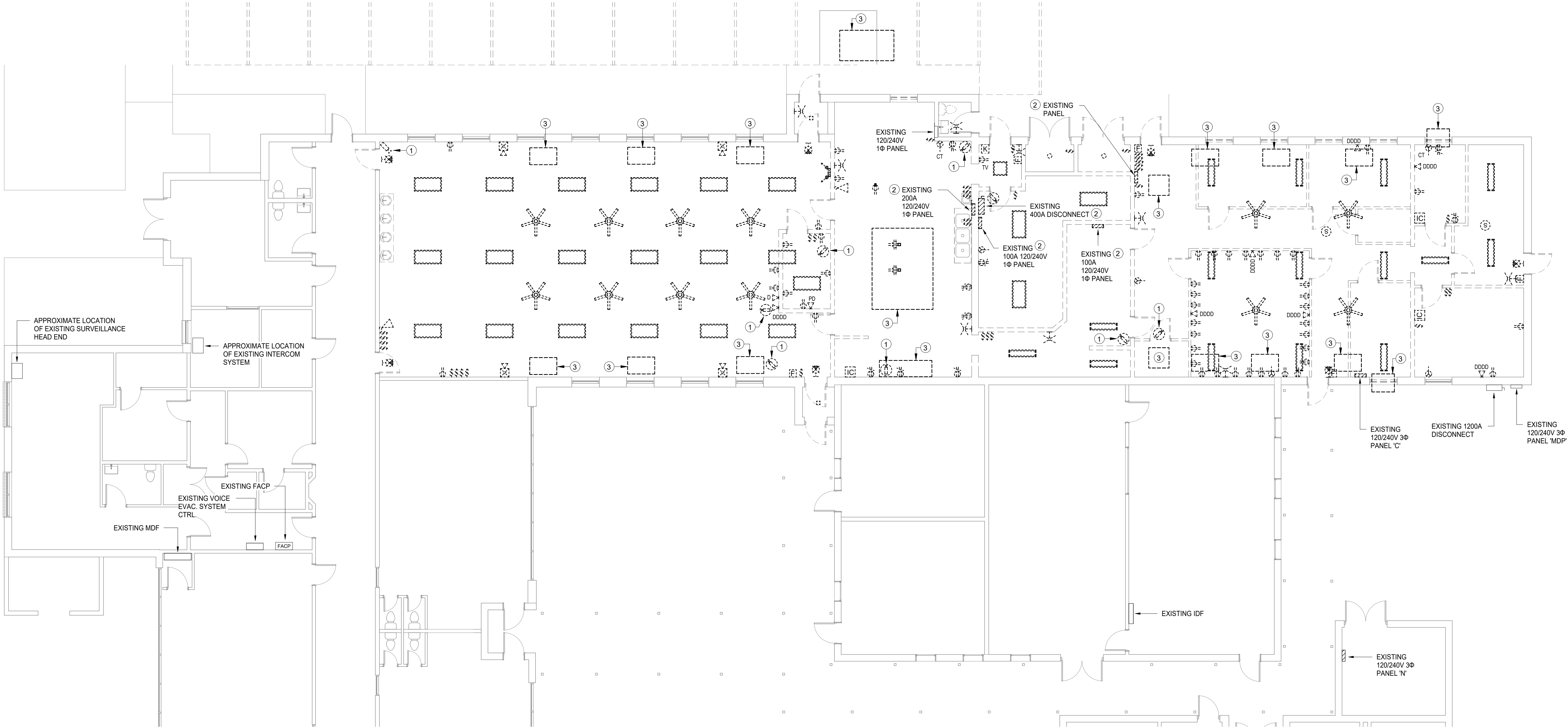


GENERAL ELECTRICAL DEMOLITION NOTES:

1. EXISTING FIRE ALARM SYSTEM TO REMAIN IN OPERATION DURING COURSE OF CONSTRUCTION.
2. REMOVE ELECTRICAL ASSOCIATED WITH REFRIGERATION EQUIPMENT.

ELECTRICAL DEMOLITION NOTES

1	REMOVE AS NEEDED FOR INSTALLATION OF NEW CEILING. RE-INSTALL AFTER INSTALLATION OF NEW CEILING. PROVIDE ADDITIONAL CABLING, MOUNTING HARDWARE, ETC AS NEEDED TO RESTORE COMPLETE SYSTEM. CONTRACTOR RESPONSIBLE FORE REPLACEMENT OF DAMAGED EQUIPMENT DURING COURSE OF CONSTRUCTION FOR EQUAL VALUE AND PERFORMANCE. SEE POWER AND SPECIAL SYSTEMS PLAN FOR NEW LOCATION.
2	REMOVE FEEDER CIRCUIT BACK TO PLACE OF ORIGIN, CONDUIT AND WIRING ASSOCIATED WITH BRANCH CIRCUITS.
3	REMOVE CONDUIT AND WIRING BACK TO PLACE OF ORIGIN. REMOVE DISCONNECTS, STARTERS, ETC ASSOCIATED WITH MECHANICAL EQUIPMENT BEING REMOVED.



1 ELECTRICAL DEMOLITION PLAN
1/8" = 1'-0" Refer to Architectural Drawings for All Dimensions

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TBA



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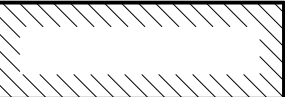
ELECTRICAL
DEMOLITION PLAN



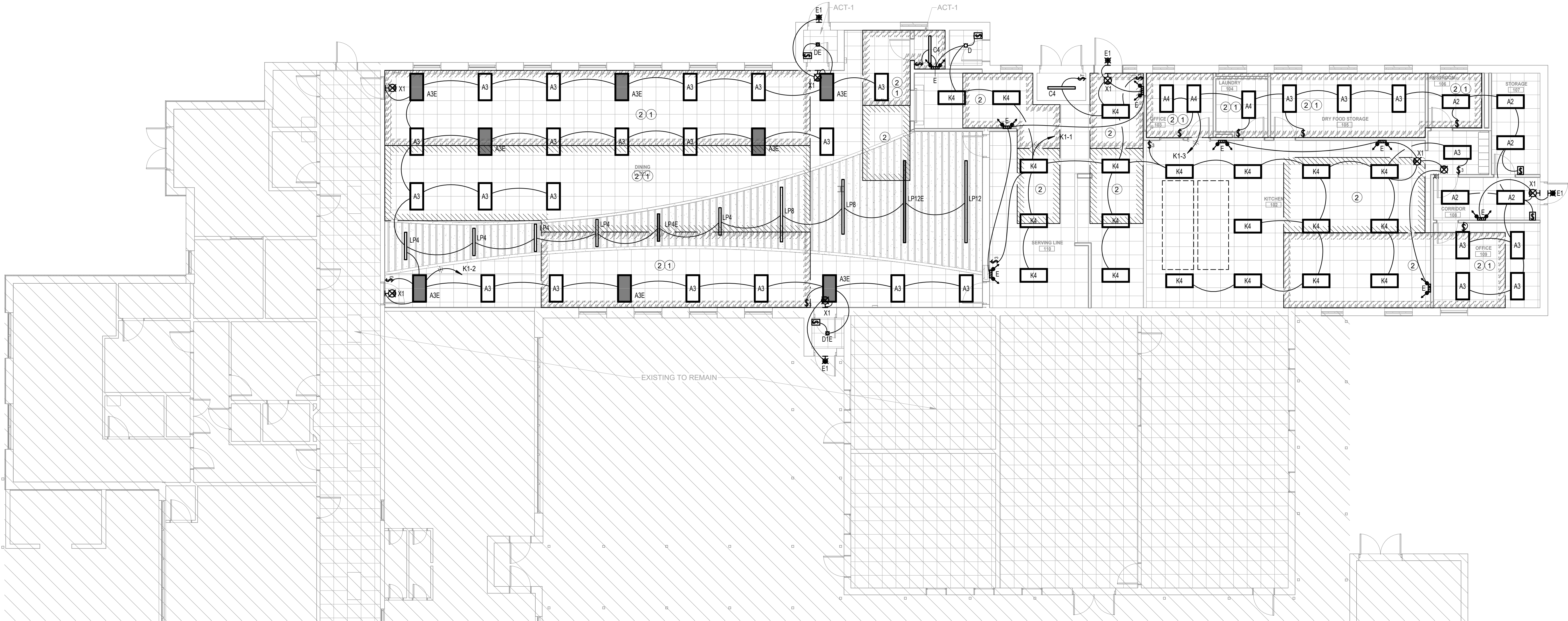
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PROJECT 25067.00
No.:



LIGHTING FIXTURE SCHEDULE						
TYPE MARK	DESCRIPTION	WATTS	LAMP TYPE	VOLTS	MANUFACTURER	MODEL
A2	2'X4' LED FLAT PANEL	26	LED	120	LITHONIA	CPX 2X4 AL08 80 SWW7 SWL MVOLT
A3	2'X4' LED FLAT PANEL	36	LED	120	LITHONIA	CPX 2X4 AL08 80 SWW7 SWL MVOLT
A3E	2'X4' LED FLAT PANEL W/ EMERGENCY BATTERY PACK	36	LED	120	LITHONIA	CPX 2X4 AL08 80 SWW7 SWL MVOLT E10W
A4	2'X4' LED FLAT PANEL	48	LED	120	LITHONIA	CPX 2X4 AL08 80 SWW6 SWL MVOLT
C4	4' LED STRIP LIGHT	41	LED	120	LITHONIA	Z1LD L48 5000LM FST MVOLT 35K 80CRI
D	6" LED DOWN LIGHT	18	LED	120	LITHONIA	LDN6-35/15-L06AR-LSS-MVOLT-GZ10
D1E	7" SURFACE MOUNTED LED DOWN LIGHT W/ EMERGENCY BATTERY PACK	14	LED	120	JUNO	JSF 11IN 13LM SWW5 90CRI MVOLT ZT WH EM
DE	6" LED DOWN LIGHT W/ EMERGENCY BATTERY PACK	18	LED	120	LITHONIA	LDN6-35/15-L06AR-LSS-MVOLT-GZ10-E10WCP
E	EMERGENCY WALL PACK	3	LED	120	LITHONIA	ELM6L UVOLT LTP SDRT
E1	EXTERIOR EMERGENCY LIGHT W/ PHOTOCELL AND EMERGENCY BATTERY PACK	3	LED	120	LITHONIA	AFO FINISH MVOLT N SD
K4	2'X4' RECESSED TROFFER	49	LED	120	LITHONIA	EPANL 2X4 5400LM 80CRI 35K
LP4	4' LED LINEAR PENDANT	25	LED	120	MARK ARCHITECTURAL LIGHTING	S4PD 4FT 80CRI 35K 800LMF CLL MVOLT FINISH
LP4E	4' LED LINEAR PENDANT W/ EMERGENCY BATTERY PACK	25	LED	120	MARK ARCHITECTURAL LIGHTING	S4PD 4FT 80CRI 35K 800LMF CLL MVOLT FINISH E10WLCP
LP8	8' LED LINEAR PENDANT	51	LED	120	MARK ARCHITECTURAL LIGHTING	S4PD 8FT 80CRI 35K 800LMF CLL MVOLT FINISH
LP12	12' LED LINEAR PENDANT	76	LED	120	MARK ARCHITECTURAL LIGHTING	S4PD 12FT 80CRI 35K 800LMF CLL MVOLT FINISH
LP12E	12' LED LINEAR PENDANT W/ EMERGENCY BATTERY PACK	76	LED	120	MARK ARCHITECTURAL LIGHTING	S4PD 12FT 80CRI 35K 800LMF CLL MVOLT FINISH E10WLCP
X1	SINGLE FACE EXIT LIGHT	3	LED	120	LITHONIA	LE S W 1 R EL N SD

LIGHTING ZONE(S) LEGEND (THIS SHEET):	
	- PRIMARY SIDELIT DAYLIGHT ZONE
	- SECONDARY SIDELIT DAYLIGHT ZONE

LIGHTING NOTES ##	
1	THIS SPACE TO BE CONTROLLED BY CEILING MOUNTED VACANCY SENSOR - MANUAL ON, AUTOMATIC OFF WITH LOW VOLTAGE OVERRIDE SWITCH. PLACEMENT, QUANTITY AND TYPE TO BE DETERMINED BY MANUFACTURER. REFER TO ELECTRICAL SPECIFICATION 26 09 23.
2	GENERAL LIGHTING IN THIS SPACE TO BE PROVIDED WITH DAYLIGHT RESPONSIVE CONTROLS COMPLYING WITH IECC 2021, SECTION C405.2.4.1. DAYLIGHT ZONES TO BE CONTROLLED INDEPENDENTLY OF ONE ANOTHER. PLACEMENT, QUANTITY, AND TYPE OF SENSOR(S) TO BE DETERMINED BY MANUFACTURER. REFER TO ELECTRICAL SPECIFICATION 26 09 23.



1 LIGHTING PLAN
1/8" = 1'-0" Refer to Architectural Drawings for All Dimensions

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No.:



LENWIL ELEMENTARY SCHOOL
CAFETERIA RENOVATION

112 APRANT ROAD
WEST MONROE, LA 71292

DRAWING REVISIONS

No.	Description	Date

DRAWN BY: CB

CHECKED BY: TK

SHEET

E3.01

Date: OCT 2025

Project No.: 21-001

File Name:

DESCRIPTION:

LIGHTING PLAN

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ELECTRICAL NOTES ##	
1	TIE FIRE SUPPRESSION SYSTEM INTO FIRE ALARM SYSTEM.

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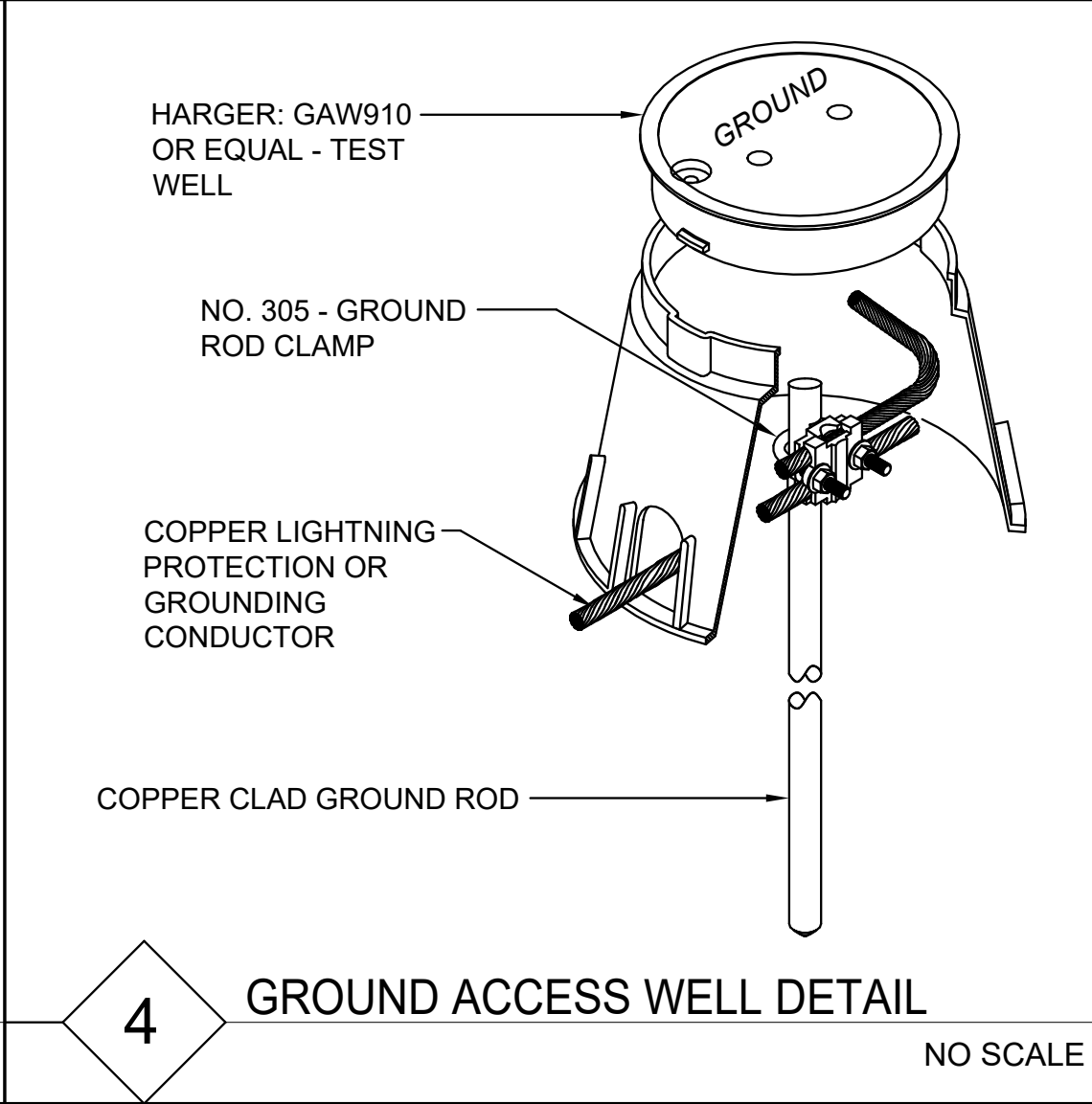
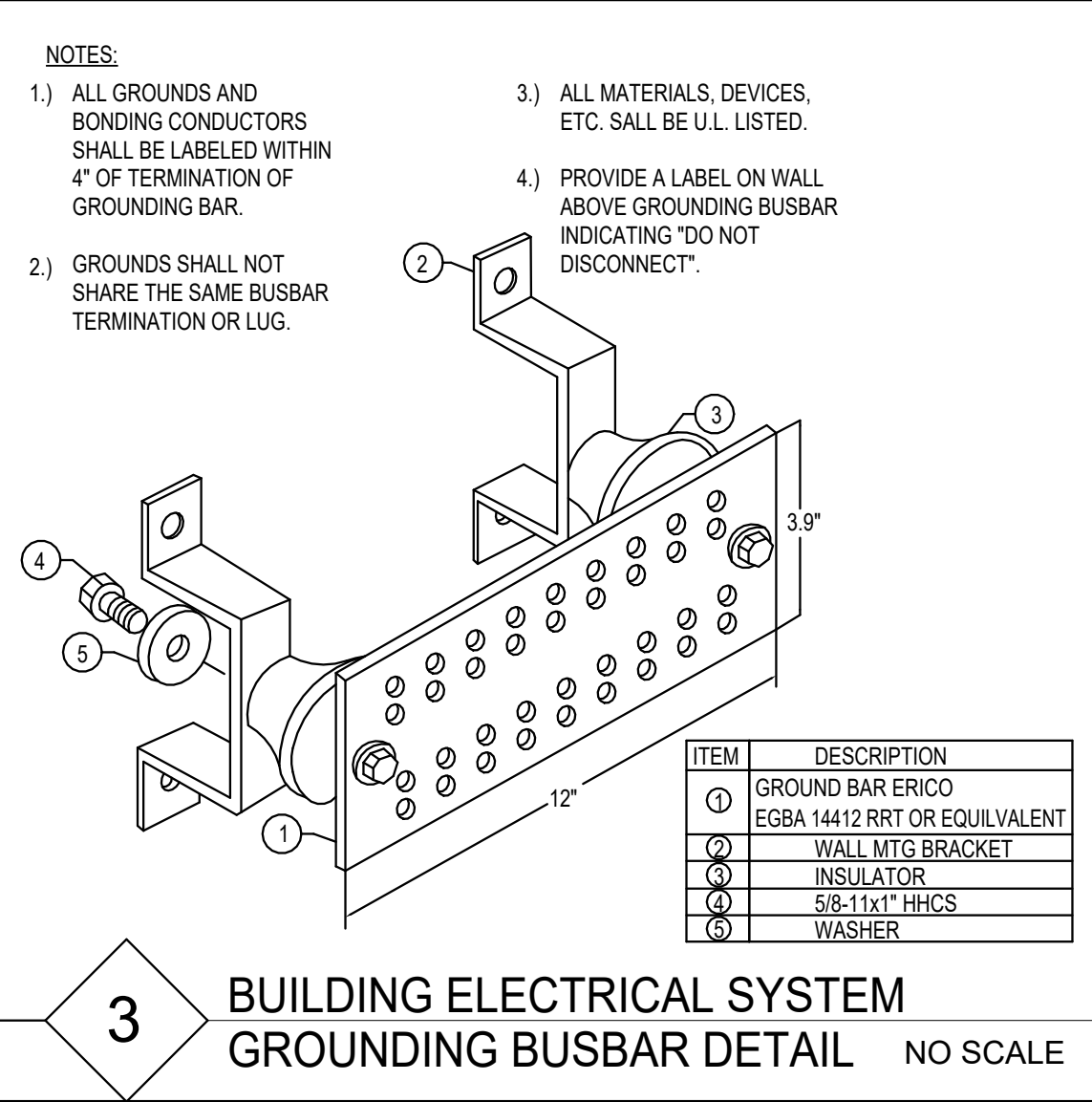
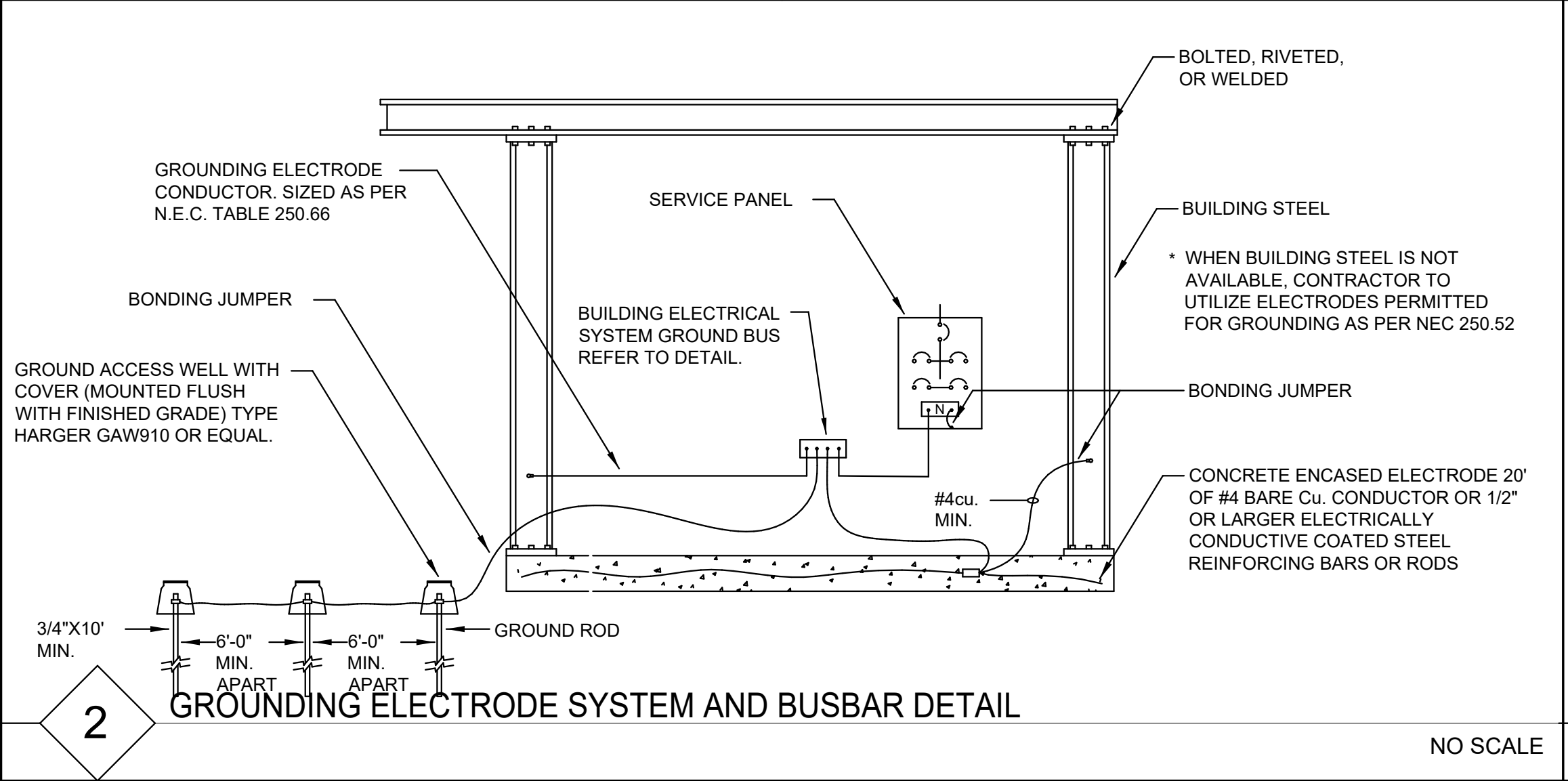
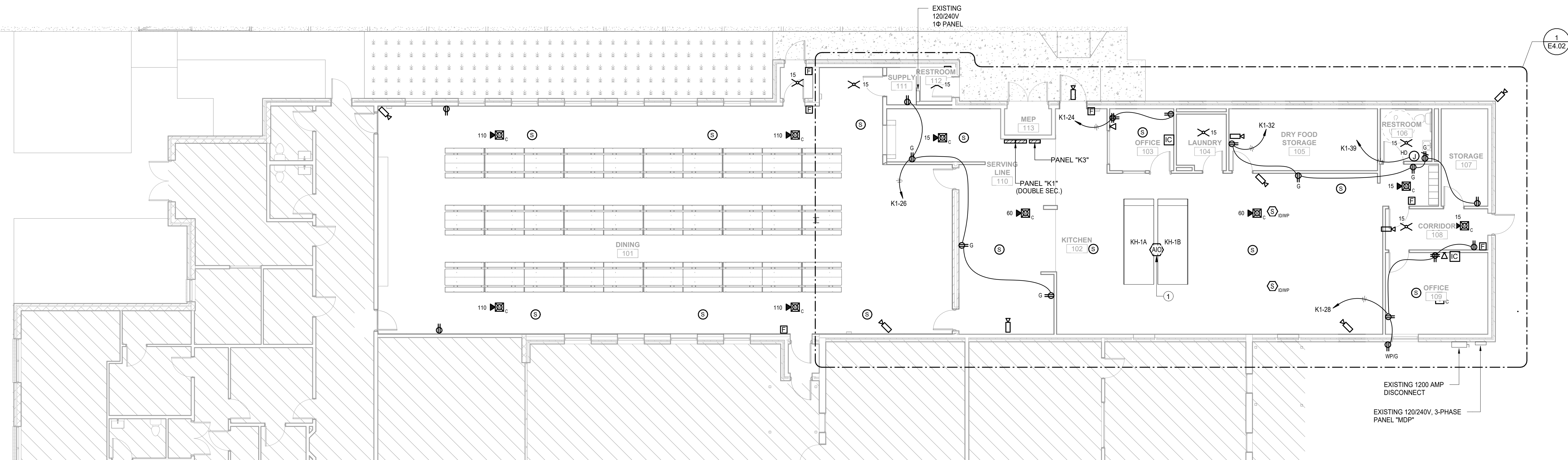
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Date: OCT 2025
Project No.: 21-001

File Name:

DESCRIPTION:
POWER AND
SPECIAL SYSTEMS
PLAN



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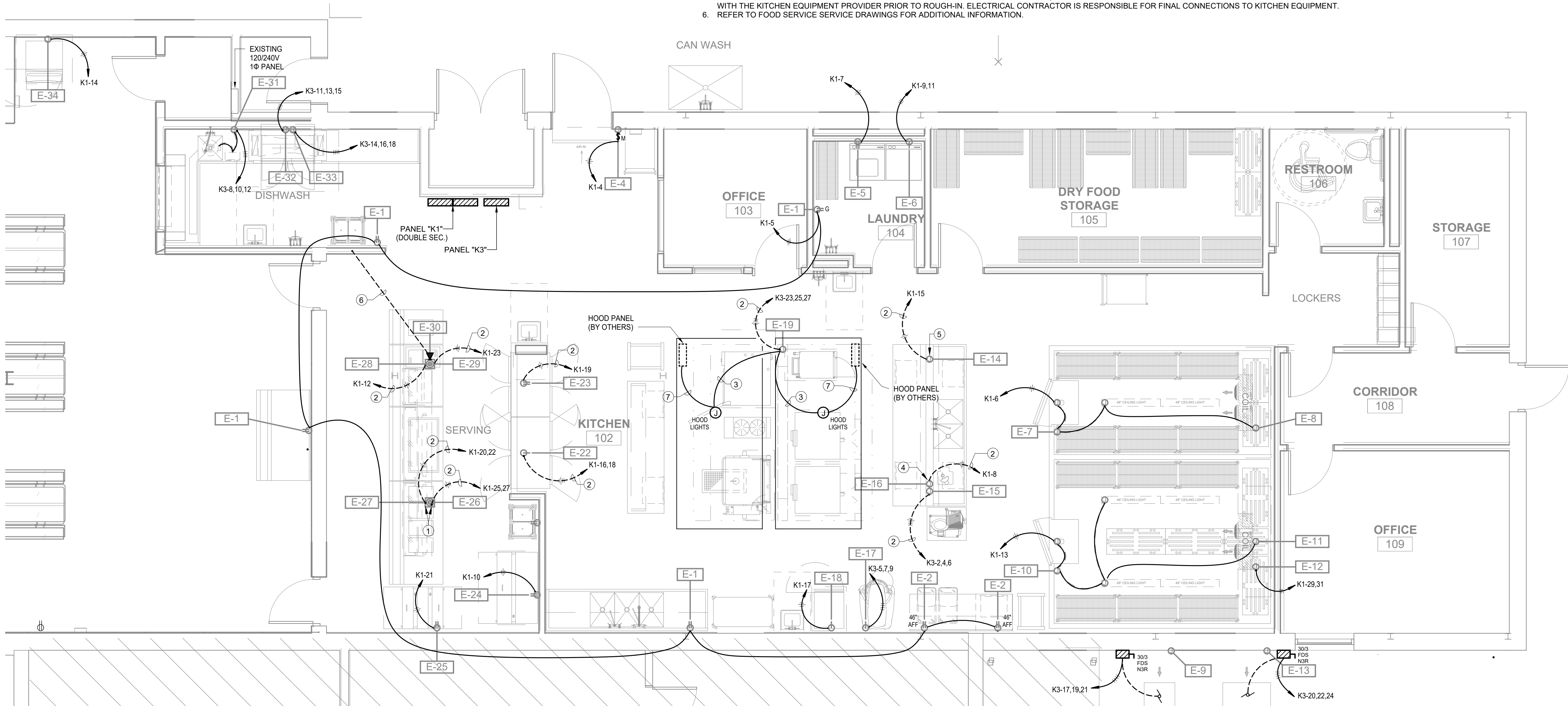
FOOD SERVICE EQUIPMENT ELECTRICAL ROUGH-IN SYMBOLS & ABBREVIATIONS	
	JUNCTION BOX
	SINGLE RECEPTACLE
	DUPLEX RECEPTACLE
	S/S FLOOR OUTLET BOX
	DATA RECEPTACLE
	VOLTS
	PHASE
	KILOWATT
	MINIMUM CIRCUIT AMPACITY
	CONVENIENCE OUTLET
	ABOVE FINISHED FLOOR
	DOWN FROM ABOVE
	UTILITY DISTRIBUTION SYSTEM

KITCHEN EQUIPMENT SCHEDULE				
EQUIP. NO.	EQUIPMENT NAME	PANEL	CIRCUIT NO.	NOTES
E-1, E-2	Convenience Outlets	K1	5	
E-4	Door Air Curtain	K1	4	
E-5	Clothes Washer	K1	7	
E-6	Clothes Dryer	K1	9,11	
E-7, E-8	DFA for Lights, Door Frame Heater, Heated Pressure Relief Port, Temperator Alarm System, Evaporator Coil and Refrigerant/Liquid Line Shut-Off Valve of Walk-In Cooler Room.	K1	6	
E-9	Walk-In Cooler Condensing Unit	K3	17,19,21	
E-10, E-11	DFA for Lights, Door Frame Heater, Heated Pressure Relief Port, Temperator Alarm System, and Condensate Line Heater of Walk-In Freezer Room.	K1	13	
E-12	Evaporator Coil and Refrigerant/Liquid Line Shut-Off Valve Walk-In Freezer Room.	K1	29,31	
E-13	Walk-in Freezer (Condensing Unit)	K3	20,22,24	
E-14	Two (2) Convenience Receptacles	K1	15	
E-15	Food Processor	K3	2,4,6	
E-16	Slicer	K1	8	
E-17	60-Quart Mixer	K3	5,7,9	
E-18	Mobile Proof Cabinet	K1	17	
E-19	Utility Distribution System	K3	23,25,27	
E-22	Pass-Thru Warmer	K1	16,18	
E-23	Pass-Thru Refrigerator	K1	19	
E-24	Milk Cooler	K1	10	
E-25	Milk Cooler	K1	21	
E-26	Food Wells and Pre-Wired Heat Lamps W/LED Lights of Mobile Hot Food Counter	K1	25,27	
E-27	Hot/Cold Food Shelf and Pre-Wired Heat Lamps W/LED Lights of Mobile Hot/Cold Food Counter	K1	20,22	
E-28	Pre-Wired Lights and Drop-In Ice Cream Freezer or Mobile Flat Top Counter	K1	12	
E-29	Mobile Cashier Counter	K1	23	
E-31	Disposer	K3	8,10,12	
E-32	Diswasher (Motors & Tank Heat)	K3	11,13,15	
E-33	Dishwasher (Controls & Internal Booster Heater)	K3	14,16,18	
E-35	Ice Machine	K1	14	

KITCHEN ELECTRICAL GENERAL NOTES:

1. PROVIDE GFCI PROTECTION REQUIRED FOR 125V THROUGH 250V RECEPTACLES SUPPLIED BY SINGLE PHASE BRANCH CIRCUITS 50A OR LESS OR 3-PHASE BRANCH CIRCUITS 100A OR LESS PER N.E.C. IN KITCHEN SPACE.
2. VERIFY CIRCUIT SIZES AND OUTLET/DEVICE TYPES WITH EQUIPMENT PROVIDER PRIOR TO SHOP DRAWING PHASE OF PROJECT.
3. VERIFY LOCATION OF ELECTRICAL DEVICES WITH EQUIPMENT SUPPLIER/OWNER/ARCHITECT PRIOR TO INSTALLATION.
4. SEE MECHANICAL POWER PLAN FOR ADDITIONAL INFORMATION.
5. CONTRACTOR SHALL VERIFY ELECTRICAL CIRCUIT AND CONNECTION REQUIREMENTS, DEVICE TYPES AND MOUNTING LOCATIONS FOR ALL KITCHEN EQUIPMENT WITH THE KITCHEN EQUIPMENT PROVIDER PRIOR TO ROUGH-IN. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR FINAL CONNECTIONS TO KITCHEN EQUIPMENT.
6. REFER TO FOOD SERVICE SERVICE DRAWINGS FOR ADDITIONAL INFORMATION.

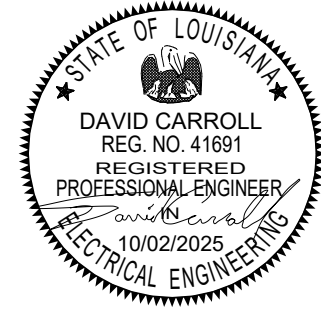
ELECTRICAL NOTES ##	
1	CONTRACTOR SHALL VERIFY VOLTAGE WITH SUCCESSFUL FOOD SERVICE PROVIDER PRIOR TO ROUGH-IN. ADJUST CIRCUITRY AS REQUIRED.
2	CUT AND PATCH AS NEEDED.
3	3#12 IN 1/2" CONDUIT TO UDS.
4	TIE INTO EQUIPMENT PROVIDER OUTLET. PROVIDE ADDITIONAL, CONDUIT, WIRING, ETC. AS NEEDED.
5	TIE INTO TWO (2) EQUIPMENT PROVIDER CONVENIENCE OUTLETS. PROVIDE ADDITIONAL CONDUIT, WIRING, ETC. AS NEEDED.
6	1" CONDUIT WITH PULLSTRING TO NEAREST WALL WITH ACCESSIBLE CEILING. STUB UP A MINIMUM OF 6" ABOVE CEILING. CUT AND PATCH AS NEEDED.
7	3/4" CONDUIT WITH CONTROL CABLING PER MANUFACTURER'S REQUIREMENTS.



1 ENLARGED ELECTRICAL FOOD SERVICE EQUIPMENT PLAN
1/4" = 1'-0" Refer to Architectural Drawings for All Dimensions

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DRAWING REVISIONS

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Date: OCT 2025

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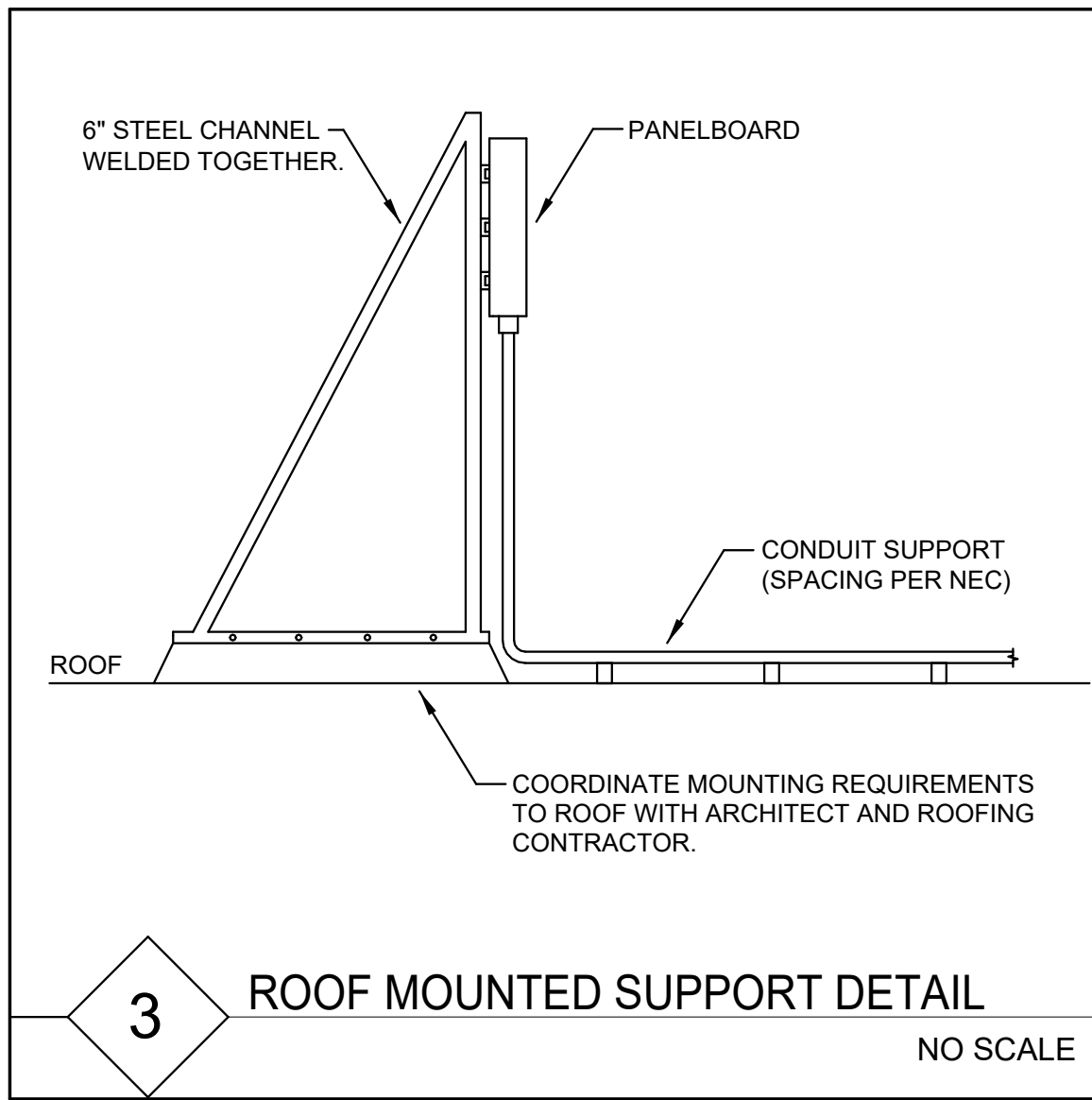
DESCRIPTION:

ENLARGED
KITCHEN
EQUIPMENT PLAN



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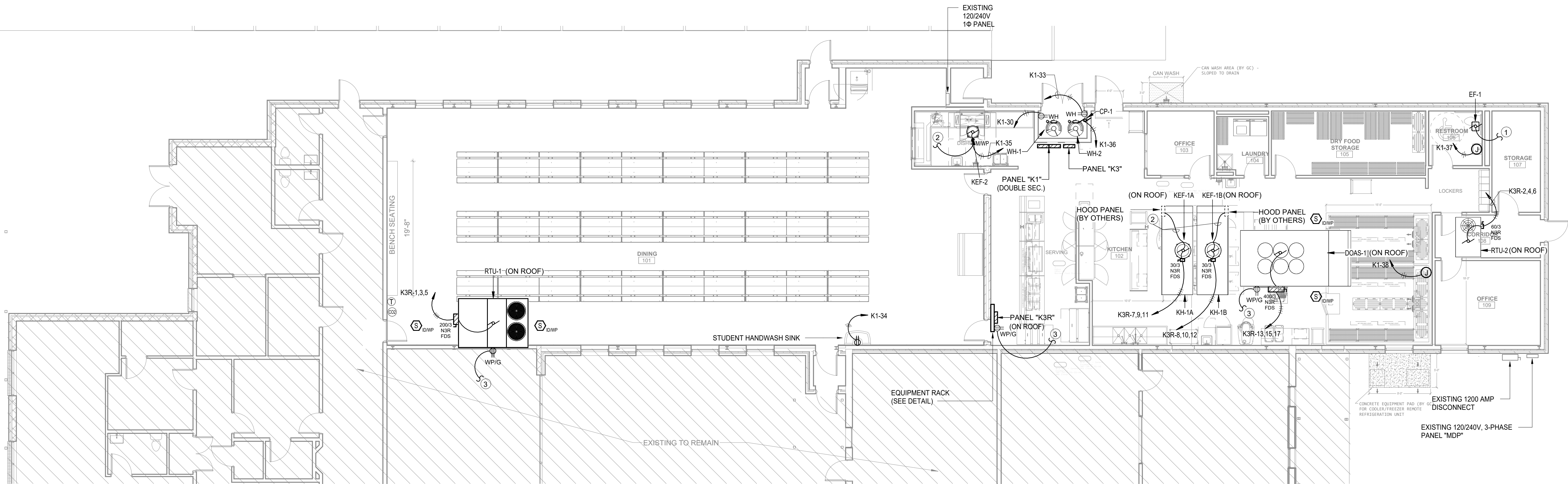




Branch Panel: K3R														
Location: SERVING 6						Volts: 120/240 DELTA				A.I.C. Rating:				
Mounting: Surface						Phases: 3				Mains Type: M.L.O.				
Enclosure: NEMA 3R						Wires: 4				Mains Rating: 400 A				
General Schedule Notes:														
Verify proper working clearances per N.E.C. prior to installation.														
Notes	#	Circuit Description	Breaker	Wire	C.	A	(Wild Leg) B	C	C.	Wire	Breaker	Circuit Description	#	Notes
--	1	RTU-1	200 A/3	3#3/0, 1#6	2"	17333	5000		1 1/4"	3#6, 1#10	60 A/3	RTU-2	2	1
--	3	--	--	--	--		173...	5000	--	--	--	--	4	--
--	5	--	--	--	--			17333	5000	--	--	--	6	--
7	7	KEF-1A	20 A/3	3#12, 1#12	1/2"	500	500		1/2"	3#12, 1#12	20 A/3	KEF-1B	8	1
--	9	--	--	--	--		500	500	--	--	--	--	10	--
--	11	--	--	--	--			500	500	--	--	--	12	--
1	13	DOAS-1	225 A/3	3#4/0, 1#4	2 1/2"	21667	0		--	--	60 A/3	Space	14	
--	15	--	--	--	--		216...	0	--	--	--	--	16	--
--	17	--	--	--	--			21667	0	--	--	--	18	--
--	19	--	--	--	--					--	--	--	20	
--	21	--	--	--	--					--	--	--	22	
--	23	--	--	--	--					--	--	--	24	
--	25	--	--	--	--					--	--	--	26	
--	27	--	--	--	--					--	--	--	28	
--	29	--	--	--	--					--	--	--	30	
--	31	--	--	--	--					--	--	--	32	
--	33	--	--	--	--					--	--	--	34	
--	35	--	--	--	--					--	--	--	36	
--	37	--	--	--	--					--	--	--	38	
--	39	--	--	--	--					--	--	--	40	
--	41	--	--	--	--					--	--	--	42	
Total Load:						45 kVA	45 kVA	45 kVA						
Total Amps:						375 A	375 A	375 A						
Load Classification			Connected Load		Demand Factor		Estimated Demand		Panel Totals					
HVAC			135000 VA		100.00%		135000 VA							
									Total Conn. Load: 135 kVA					
									Total Est. Demand: 135 kVA					
									Total Conn.: 325 A					
									Total Est. Demand: 325 A					
Panel Schedule Notes: (Notes below do not necessarily appear in panel schedule)														
1. VERIFY BREAKER SIZE PER EQUIPMENT MANUFACTURER'S RECOMMENDED NAME PLATE RATING PRIOR TO SHOP DRAWINGS PHASE OF PROJECT.														
2. CIRCUIT VIA POLE LIGHTING CONTACTOR, CONTROL WITH (2) CIRCUIT INTERMATIC OR EQUAL ASTRONOMICAL TIME CLOCK WITH BATTERY BACKUP AND PHOTOCELL, PHOTOCELL "ON" TIME CLOCK "OFF".														
3. PROVIDE GFCI PROTECTED CIRCUIT BREAKER.														
4. CONDUIT, WIRE, AND BREAKER SIZE PER MANUFACTURER'S REQUIREMENTS.														
5. LABEL AS "MAIN SERVICE DISCONNECT".														

Main Panel: DP3																
Location: Mounting: Surface Enclosure: NEMA 3R							Volts: 120/240 DELTA Phases: 3 Wires: 4				A.I.C. Rating: Mains Type: M.C.B. Mains Rating: 1600 A					
General Schedule Notes:																
Verify proper working clearances per N.E.C. prior to installation.																
Notes	#	Circuit Description	Breaker	Sets	Wire	C.	A	(Wild Leg) B	C	C.	Wire	Sets	Breaker	Circuit Description	#	Notes
--	1	Exist. Load (Wireway)	1200 A/3	3	3#500, 1#3/0	3 1/2"	1120...	51271		4"	4#500, 1#3	1	400 A/3	Panel "K3"	2	
--	3	--	--	--	--	--		112...	51022	--	--	--	--	--	4	--
--	5	--	--	--	--	--			112...	30890	--	--	--	--	6	--
--	7	Space	/3	--	--	--	45000			3 1/2"	3#500, 1#3	1	400 A/3	Panel "K3R"	8	
--	9	--	--	--	--	--		45000		--	--	--	--	--	10	--
--	11	--	--	--	--	--			45000	--	--	--	--	--	12	--
4	13	SPD	100 A/3	--	--	--	0	--		--	--	--	/3	Space	14	
--	15	--	--	--	--	--		0	--	--	--	--	--	--	16	--
--	17	--	--	--	--	--			0	--	--	--	--	--	18	--
--	19	--	--	--	--	--									20	
--	21	--	--	--	--	--									22	
--	23	--	--	--	--	--									24	
--	25	--	--	--	--	--									26	
--	27	--	--	--	--	--									28	
--	29	--	--	--	--	--									30	
--	31	--	--	--	--	--									32	
--	33	--	--	--	--	--									34	
--	35	--	--	--	--	--									36	
--	37	--	--	--	--	--									38	
--	39	--	--	--	--	--									40	
--	41	--	--	--	--	--									42	
Total Load:							208 kVA	208 kVA	188 kVA							
Total Amps:							1736 A	1734 A	1566 A							
Load Classification			Connected Load		Demand Factor		Estimated Demand		Panel Totals							
Existing Load			336000 VA		125.00%		420000 VA									
HVAC			135700 VA		100.00%		135700 VA		Total Conn. Load: 604 kVA							
Kitchen Equipment - Non-Dwelling Unit			125242 VA		65.00%		81407 VA		Total Est. Demand: 645 kVA							
Lighting			3291 VA		125.00%		4114 VA		Total Conn.: 1453 A							
Receptacles			4100 VA		100.00%		4100 VA		Total Est. Demand: 1552 A							
Panel Schedule Notes: (Notes below do not necessarily appear in panel schedule)																
1. VERIFY BREAKER SIZE PER EQUIPMENT MANUFACTURER'S RECOMMENDED NAME PLATE RATING PRIOR TO SHOP DRAWINGS PHASE OF PROJECT.																
2. CIRCUIT VIA POLE LIGHTING CONTACTOR, CONTROL WITH (2) CIRCUIT INTERMATIC OR EQUAL ASTRONOMICAL TIME CLOCK WITH BATTERY BACKUP AND PHOTOCELL, PHOTOCELL "ON" TIME CLOCK "OFF".																
3. PROVIDE GFCI PROTECTED CIRCUIT BREAKER.																
4. CONDUIT, WIRE, AND BREAKER SIZE PER MANUFACTURER'S REQUIREMENTS.																
5. LABEL AS "MAIN SERVICE DISCONNECT".																

ELECTRICAL NOTES		#
1	CIRCUIT AND SWITCH WITH LIGHTS IN THIS SPACE.	2
2	3/4" CONTROLS CONDUIT WITH CONDUCTORS PER MANUFACTURER'S REQUIREMENTS.	6
3	1/2" CONDUIT WITH 3#12 TO NEAREST POWER OUTLET CIRCUIT BELOW.	10



1 MECHANICAL POWER PLAN
1/8" = 1'-0" Refer to Architectural Drawings for All Dimensions

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MECHANICAL
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PROJECT 25067.00
No.:



DEFINE

PLUMBING & SPRINKLER ABBREVIATIONS

AD	ACCESS DOOR	HP	HORSE POWER
ADA	AMERICANS WITH DISABILITIES ACT	HS	HOSE STATION
AFF	ABOVE FINISHED FLOOR	HW	HAND WASH
AV	ACID VENT	ICE	ICE MACHINE WATER CONNECTION
AW	ACID WASTE	L	LAVATORY
BOP	BOTTOM OF PIPE	LS	LIFT STATION (SANITARY SEWER)
BP	BACKFLOW PREVENTER	MH	MANHOLE
BT	BATH TUB	MV	MIXING VALVE
BTUH	BRITISH THERMAL UNITES PER HOUR	N.O.	NORMALLY OPEN
C	CONDENSATE DRAIN LINE	N.C.	NORMALLY CLOSED
CA	COMPRESSED AIR LINE	NTS	NOT TO SCALE
CB	CATCH BASIN	P	PUMP
CFM	CUBIC FEET PER MINUTE	PIV	POST INDICATING VALVE
CI	CAST IRON	PRV	PRESSURE REDUCING VALVE
CO	CLEANOUT	PSIG	POUNDS PER SQUARE INCH GAGE
CSS	CLINIC SERVICE SINK	PT	PLASTER TRAP
CP	CIRCULATING WATER PUMP	REF	REFRIGERATOR WATER CONNECTION BOX
D	DRAIN LINE	RD	ROOF DRAIN
DF	DRINKING FOUNTAIN	RPM	REVOLUTIONS PER MINUTE
DCW	DOMESTIC COLD WATER LINE	SAN	SANITARY SEWER
DHR	DOMESTIC HOT WATER RETURN LINE	SD	STORM DRAIN
DHW	DOMESTIC HOT WATER LINE	SF	SQUARE FOOT
DS	DUMPSTER DRAIN	SH	SHOWER
DSEW	DRENCH SHOWER WITH EYE WASH	SK	SINK
DT	DILUTION TRAP	SMH	SEWER MANHOLE
DW	DISHWASHER	SS	SERVICE SINK
ET	EXPANSION TANK	STP	SEWER TREATMENT PLANT
EW	EYE WASH	TD	TRENCH DRAIN
EWC	ELECTRIC WATER COOLER	TP	TRAP PRIMER
EWB	ELECTRIC WATER HEATER	Typ	TYPICAL
FCO	FLOOR CLEANOUT	U	URINAL
FD	FLOOR DRAIN	UNO	UNLESS NOTED OTHERWISE
FDC	FIRE DEPARTMENT CONNECTION	V	VENT
FFE	FINISHED FLOOR ELEVATION	VAC	VACUUM
FH	FIRE HYDRANT	VB	VACUUM BREAKER
FS	FLOOR SINK	VTR	VENT THRU ROOF
GD	GARBAGE DISPOSAL	W	WASHER WATER/DRAIN CONNECTION LINE
GPH	GALLONS PER HOUR	WC	WATER CLOSET
GPM	GALLONS PER MINUTE	WCO	WALL CLEANOUT
GT	GREASE TRAP	WF	WASH FOUNTAIN
GWH	GAS FIRED WATER HEATER	WG	WATER GAGE
HB	HOSE BIB	WP	WHIRL POOL
HD	HUB DRIAN	ZVB	ZONE VALVE BOX (MEDICAL GAS)

DESIGN

PLUMBING & SPRINKLER LEGEND

PIPING				VALVES			
EXISTING	DEMO	NEW	DESCRIPTION	EXISTING	DEMO	NEW	DESCRIPTION
			DOMESTIC COLD WATER LINE				BALL VALVE (SHUT-OFF)
			DOMESTIC HOT WATER LINE (110°)				BALL VALVE (SHUT-OFF) VALVE BOX
			DOMESTIC HOT WATER RETURN LINE				SHUT-OFF VALVE IN CAST IRON VALVE BOX
			DOMESTIC HOT WATER LINE (X=TEMP.)				CALIBRATED BALANCING VALVE
			SANITARY SEWER LINE (SAN)				CHECK VALVE
			SANITARY SEWER VENT LINE				OS&Y VALVE
			STORM DRAIN LINE (PRIMARY)				GAS COCK
			OVERFLOW STORM DRAIN LINE (SECONDARY)				BUTTERFLY VALVE
			CONDENSATE DRAIN LINE				VALVE IN RISE
			GREASE WASTE DRAIN LINE				2-WAY CONTROL VALVE
			ACID WASTE DRAIN LINE				3-WAY CONTROL VALVE
			FIRE MAIN WATER LINE	EQUIPMENT			
			SPRINKLER LINE				PLUMBING FIXTURES
			NATURAL GAS LINE				METER
			PROPANE GAS LINE				REGULATOR
			COMPRESSED AIR LINE	SYMBOL (MISC.)			
			REVERSE OSMOSIS PURE WATER SUPPLY LINE				CONNECT TO EXISTING SERVICES
			REVERSE OSMOSIS PURE WATER RETURN LINE				DIONIZED PURE WATER SUPPLY LINE
			DIONIZED PURE WATER SUPPLY LINE				OXYGEN LINE (MEDICAL)
			VACUUM LINE (MEDICAL)				NITROGEN LINE (MEDICAL)
			NITROGEN LINE (MEDICAL)				NITROUS OXIDE (MEDICAL)
			AIR (MEDICAL)				WASTE ANESTHETIC GAS DISPOSAL
			WASTE ANESTHETIC GAS DISPOSAL	PIPE FITTING			
			CAPPED PIPE				PIPE RISE
			PIPE RISE				PIPE DROP
			PIPE DROP				UNION
			DIRECTION OF FLOW				PIPE SUPPORT OR BRACING
			PIPE SUPPORT OR BRACING				PIPE CONNECTION (TOP)
			PIPE CONNECTION (TOP)				PIPE CONNECTION (BOTTOM)
			PIPE CONNECTION (BOTTOM)				PIPE CONNECTION (SIDE)
			PIPE CONNECTION (SIDE)				CAPPED OUTLET TOP
			CAPPED OUTLET TOP				PIPE REDUCER AND/OR INCREASER
			PIPE REDUCER AND/OR INCREASER	NOTES:			
				1. EXISTING ITEMS ON DEMO PLANS ARE "EXISTING TO REMAIN" UNLESS NOTED "EXISTING TO BE RELOCATED."			
				2. ITEMS ON NEW CONSTRUCTION PLANS ARE NEW UNLESS NOTED "RELOCATED FROM PREVIOUS LOCATION". REFER TO SCHEDULES AND SPECIFICATIONS FOR PLUMBING FIXTURES.			
				3. NOT ALL ITEMS SHOWN ON THIS LIST MAY BE APPLICABLE TO THIS PROJECT.			

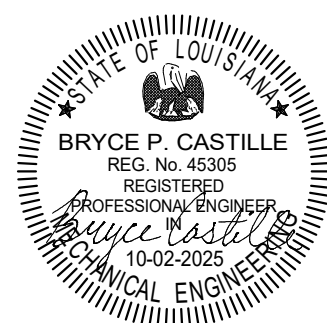
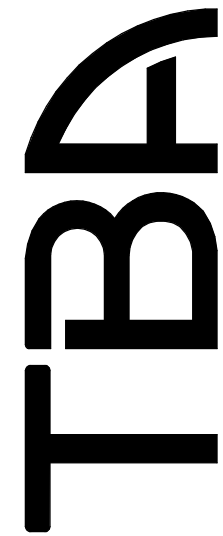
DELIVER

PLUMBING & SPRINKLER GENERAL NOTES

- CONTRACTOR SHALL VISIT THE SITE AND DETERMINE THE EXTENT OF DEMOLITION WORK AND NEW WORK NEEDED FOR THIS PROJECT, PRIOR TO SUBMITTING BID.
- CONTRACTOR SHALL BECOME FAMILIAR WITH THE PROJECT SCOPE, CONSTRAINTS, UTILITY CONNECTIONS, AND BUILDING SERVICES, PRIOR TO SUBMITTING BID.
- CONTRACTOR SHALL GIVE FIRST RIGHT TO REFUSAL OF SALVAGE TO THE OWNER. IF THE OWNER ELECTS TO NOT KEEP SALVAGE, CONTRACTOR SHALL REMOVE SALVAGE BY LAWFUL MEANS.
- DRAWINGS ARE SCHEMATIC AND DIAGRAMMATIC IN NATURE. DRAWINGS SHALL NOT BE SCALED. COORDINATE ROUTING OF SERVICES WITH SITE CONDITIONS AND WITH WORK OF OTHER TRADES.
- FIELD VERIFY DIMENSIONS PRIOR TO ORDERING, FABRICATING, AND ERECTION OF MATERIAL AND/OR EQUIPMENT. NOTIFY THE ENGINEER OF DISCREPANCIES IN A TIMELY MANNER.
- VERIFY CLEARANCE REQUIREMENTS AND ROUTING OF PIPING PRIOR TO FABRICATION, AS MINOR MODIFICATIONS SUCH AS PIPING RISES AND DROP MAY BE REQUIRED DUE TO FIELD CONDITIONS. MAKE MINOR MODIFICATIONS TO THE BUILDING, PIPING, SPRINKLER, DUCTWORK, ELECTRICAL, ETC. AS SHOWN ON THE DRAWINGS OR REQUIRED TO COMPLETE THE INSTALLATION OF A COMPLETED WORKABLE SYSTEM.
- MAINTAIN WEATHER-TIGHT BARRIERS TO PREVENT DAMAGE FROM THE ELEMENTS DURING DEMOLITION AND NEW CONSTRUCTION PERIOD.
- SEAL PENETRATIONS THROUGH THE BUILDING ENVELOPE.
- PENETRATIONS THROUGH RATED WALLS, FLOORS, PARTITIONS AND ASSEMBLIES SHALL BE INSTALLED AND FIRESAFED TO MEET UL FIRE RESISTANCE LISTING AND NFPA REQUIREMENTS FOR THE PENETRATION.
- COORDINATE DEVICES REQUIRING ACCESS PANELS WITH THE ARCHITECT AND OTHER TRADES.
- MAINTAIN MINIMUM CLEARANCE 10'-0" BETWEEN OUTSIDE INTAKES AND EXHAUST OUTLETS AND PLUMBING VENTS.
- COORDINATE FINAL LOCATIONS AND ELEVATIONS WITH THE ARCHITECT PRIOR TO INSTALLATION.
- COORDINATE FINAL FINISH COLORS OF MATERIALS, DEVICES, AND/OR EQUIPMENT WITH THE ARCHITECT PRIOR TO ORDERING, FABRICATION AND INSTALLATION.
- SCHEDULE UTILITY SERVICES SHUTDOWNS WITH OWNER AND ARCHITECT. MINIMIZE DISRUPTIONS AND DOWNTIME TO THE OWNER.
- INSTALL DEVICES AND EQUIPMENT TO MEET ADA REQUIREMENTS.
- ROUTE PIPING CONCEALED IN INTERSTITIAL SPACE UNLESS NOTED OTHERWISE.
- DOCUMENT LOCATIONS OF DEVICES, PIPING, AND EQUIPMENT ON "AS-BUILT" RECORD DRAWINGS AS PER THE SPECIFICATIONS.
- PAY FOR SERVICE, DEPOSITS, INSPECTION, AND CONNECTION FEES REQUIRED FOR A COMPLETE INSTALLATION. COORDINATE WITH THE UTILITY SERVICE PROVIDER FOR THE REQUIREMENTS NEEDED FOR THIS PROJECT.
- WORK SHOWN IN THE DRAWINGS SHALL COMPLY WITH APPLICABLE NATIONAL, STATE, AND LOCAL ORDINANCES AND CODES.
- ALL EXPOSED DOMESTIC COLD AND HOT WATER PIPING WITHIN THE BUILDING SHALL HAVE FIELD INSTALL PVC JACKET.
- WATER HAMMER ARRESTER(S) SHALL BE INSTALLED ON PIPING SYSTEMS AND AT QUICK-CLOSING VALVES AS PER MANUFACTURER'S RECOMMENDATIONS.
- INSTALL ESCUTCHEONS FOR PIPING PENETRATIONS OF WALLS, CEILING, AND FLOORS.

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No.	Description	Date

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Date: OCT 2025

Project No.: 21-001

File Name:

DESCRIPTION:
PLUMBING LEGEND
& NOTES



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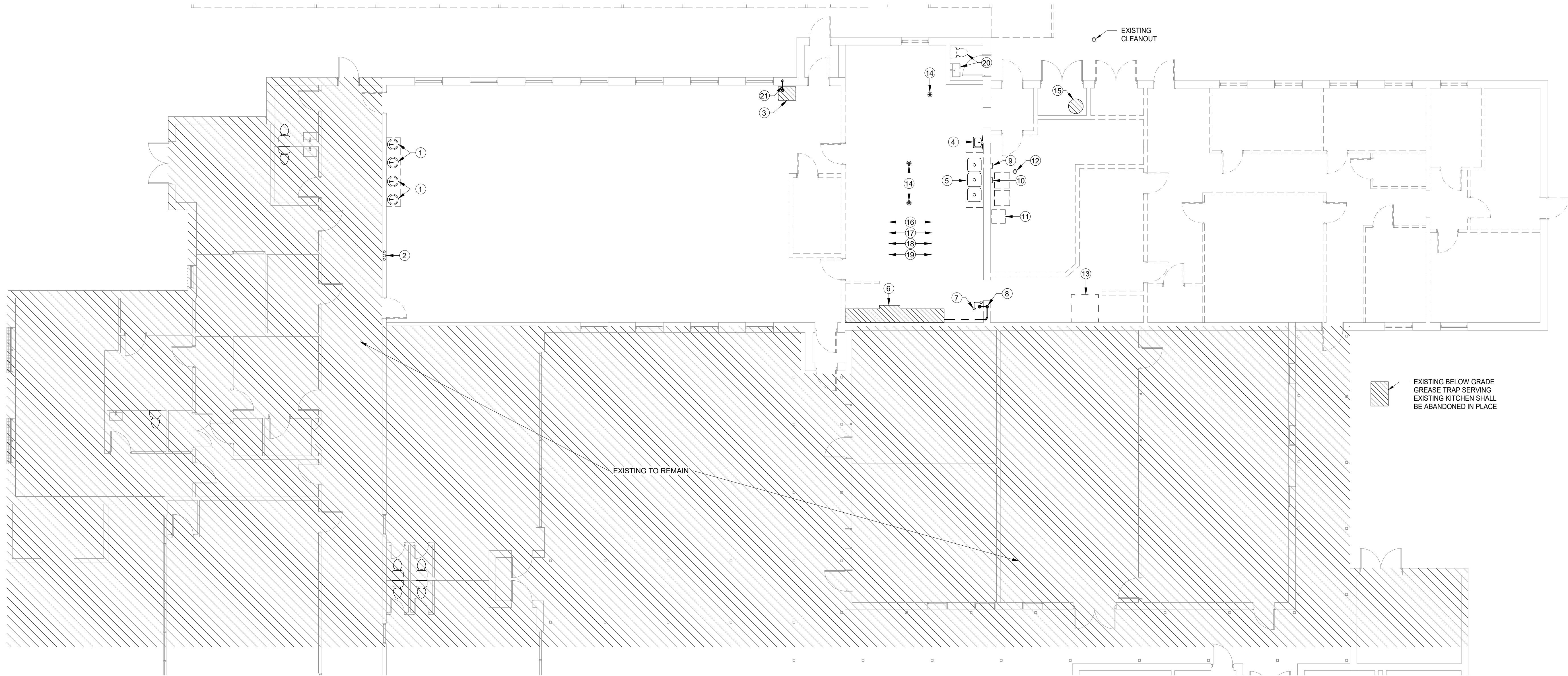
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PLUMBING
DEMOLITION PLAN

PLUMBING DEMOLITION NOTES

- DEMOLISH AND REMOVE EXISTING LAVATORY. PLUG AND CAP EXISTING SERVICES BEHIND/BELOW FINISHED SURFACES.
- PLUG AND CAP EXISTING 2" DRAIN LINE AND 1/2" DOMESTIC HOT/COLD WATER LINE BEHIND/BELOW FINISHED SURFACES IN THIS VICINITY.
- DEMOLISH AND REMOVE EXISTING WATER COOLER IN THIS VICINITY. PLUG AND CAP EXISTING SERVICES BEHIND/BELOW FINISHED SURFACES.
- DEMOLISH AND REMOVE EXISTING WALL HUNG HAND-WASH SINK. PLUG AND CAP EXISTING SERVICES BEHIND/BELOW FINISHED SURFACES.
- DEMOLISH AND REMOVE EXISTING TRIPLE COMPARTMENT SINK AND ALL RELATED APPURTENANCES. PLUG AND CAP EXISTING SERVICES BEHIND/BELOW FINISHED SURFACES.
- EXISTING DISHWASHER REMOVED BY OTHERS. PLUMBER SHALL PLUG AND CAP EXISTING PLUMBING SERVICES BEHIND/BELOW FINISHED SURFACES.
- DEMOLISH AND REMOVE EXISTING DOMESTIC WATER LINE STUBBED UP FROM BELOW SLAB IN THIS VICINITY. PLUG AND CAP BELOW FINISHED SURFACES.
- DEMOLISH AND REMOVE EXISTING 2" WASTE LINE DOWN FROM ABOVE CEILING. PLUG AND CAP EXISTING SERVICES BEHIND/BELOW FINISHED SURFACES.
- DEMOLISH AND REMOVE EXISTING HOSE BIBB. PLUG AND CAP EXISTING PLUMBING SERVICES BEHIND FINISHED SURFACES.
- EXISTING LAUNDRY MACHINE SUPPLY/WASTE BOX TO BE REMOVED. PLUG AND CAP EXISTING SERVICES BEHIND/BELOW FINISHED SURFACES.
- DEMOLISH AND REMOVE EXISTING SERVICE SINK IN THIS VICINITY. PLUG AND CAP EXISTING SERVICES BEHIND/BELOW FINISHED SURFACES.
- DEMOLISH AND REMOVE EXISTING FLOOR CLEANOUT. PLUG AND CAP EXISTING PIPING BELOW FINISHED SURFACES.
- EXISTING ICE MACHINE TO BE REMOVED BY OTHERS. PLUG AND CAP EXISTING SERVICES BEHIND/BELOW FINISHED SURFACES.
- DEMOLISH AND REMOVE EXISTING FLOOR DRAIN. PLUG AND CAP EXISTING SERVICES BEHIND/BELOW FINISHED SURFACES.
- DEMOLISH AND REMOVE EXISTING GAS FIRED TANK TYPE WATER HEATER AND ALL RELATED APPURTENANCES. PLUG AND CAP EXISTING PIPING BELOW FINISHED SURFACES.
- PLUMBING CONTRACTOR SHALL DEMOLISH AND REMOVE ALL EXISTING DOMESTIC HOT/COLD WATER PIPING SERVING EXISTING KITCHEN AREA.
- PLUMBING CONTRACTOR SHALL ABANDON EXISTING SANITARY GREASE WASTE PIPING BELOW SLAB IN KITCHEN AREA. REMOVE SECTIONS OF EXISTING PIPING THAT MAY INTERFERE WITH INSTALLATION OF NEW GREASE WASTE PIPING. COORDINATE IN FIELD.
- PLUMBING CONTRACTOR SHALL REMOVE ALL SANITARY VENT PIPING SERVING KITCHEN AREA. PREPARE EXISTING VENT THROUGH ROOF PIPING TO BE REUSED OR PLUG AND CAP AS SPECIFIED. COORDINATE IN FIELD.
- PLUMBING CONTRACTOR SHALL DEMOLISH AND REMOVE EXISTING NATURAL GAS PIPING SERVING EXISTING KITCHEN.
- DEMOLISH AND REMOVE EXISTING WATER CLOSET AND ALL-IN-ONE SOLID SURFACE COUNTERTOP/LAVATORY. PREPARE EXISTING PLUMBING SERVICES TO ACCEPT NEW WATER CLOSET & NEW SOLID SURFACE ALL-IN-ONE COUNTERTOP/LAVATORY. VERIFY EXISTING PLUMBING FIXTURE COLORS IN FIELD PRIOR TO STARTING WORK (NEW PLUMBING FIXTURE COLORS SHALL MATCH EXISTING). PLUMBING CONTRACTOR SHALL GENTLY REMOVE SOLID SURFACE COUNTERTOP/LAVATORY FROM BASE CABINET/WALL NOT TO CAUSE DAMAGE.
- APPROXIMATE LOCATION OF EXISTING HUB DRAIN TO BE REMOVED. REMOVE ALL RELATED CONDENSATE PIPING. CAP BEHIND FINISHED SURFACES.

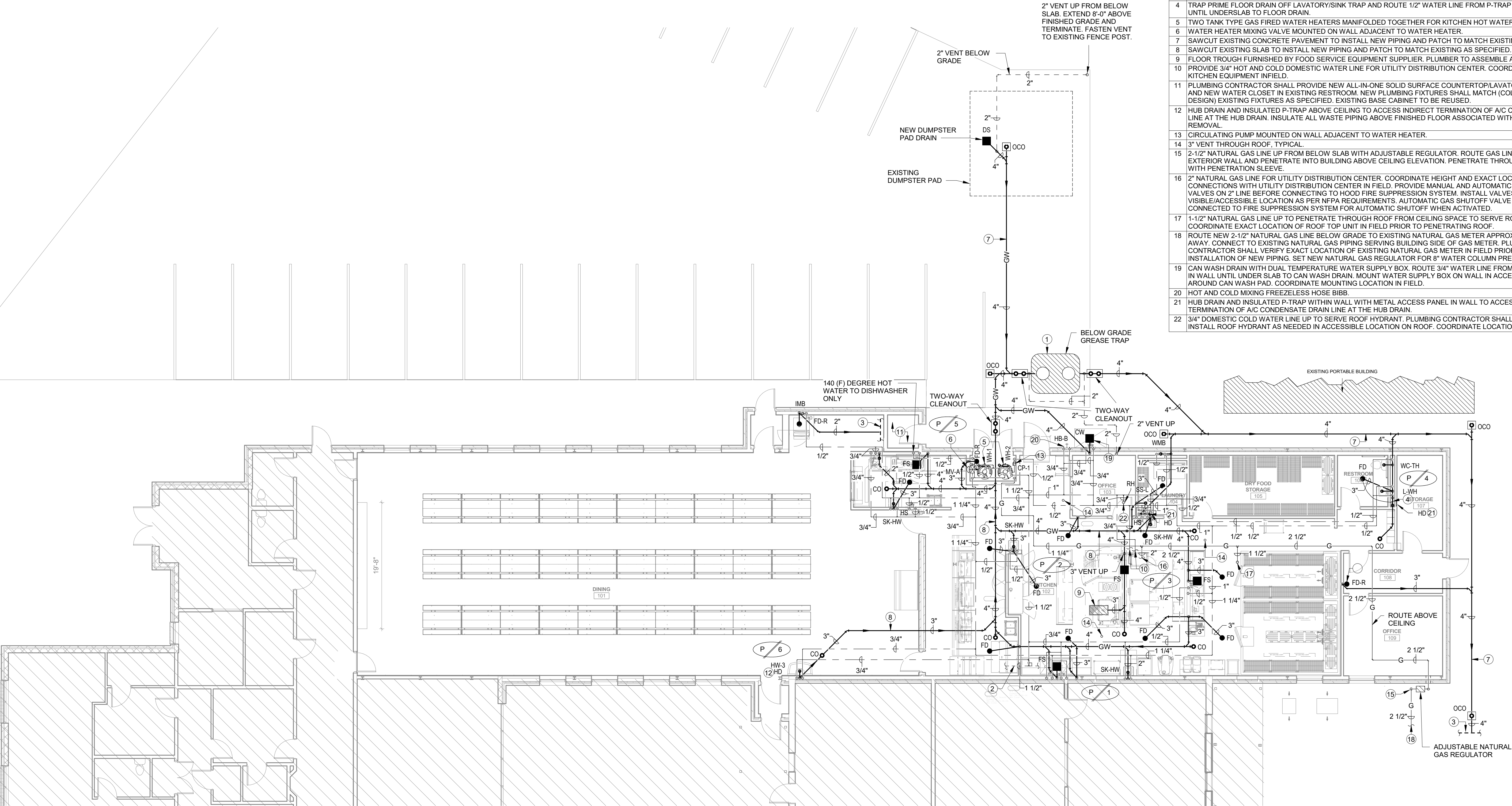


1 PLUMBING DEMOLITION PLAN
1/8" = 1'-0" Refer to Architectural Drawings for All Dimensions



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1 PLUMBING PLAN
1/8" = 1'-0" Refer to Architectural Drawings for All Dimensions

PLUMBING PLAN NOTES	
	FLOOR DRAIN FOR FREEZER/COOLER CONDENSATION REMOVAL. CONTRACTOR SHALL EXTEND INSULATED CONDENSATE DRAIN PIPING FULL SIZE FROM EVAPORATOR (FURNISHED AND INSTALLED BY FOOD SERVICE CONTRACTOR) WITH HEAT TRACE TAPE 3 WATTS/FOOT AND TERMINATE WITH AIR GAP AT FLOOR DRAIN THIS VICINITY. ALL CONDENSATE PIPING RUN IN COLD SPACES SHALL BE INSULATED WITH 2" FIBERGLASS INSULATION. COORDINATE PIPE ROUTING WITH EQUIPMENT INFIELD.
1	SCHIER MODEL GB-1000 BELOW GRADE GREASE TRAP WITH 4" INLET/OUTLET PIPE CONNECTIONS, 1000 GALLON LIQUID CAPACITY, 100 GALLONS PER MINUTE FLOW RATE, 5,495 LBS GREASE CAPACITY, AND 211 GALLONS SOLIDS CAPACITY. ALSO INCLUDE TEST PORT ON BOTH SIDES OF GREASE TRAP.
2	EXISTING 1-1/2" DOMESTIC WATER LINE LOCATED ABOVE CEILING IN THIS VICINITY. VERIFY EXACT LOCATION IN FIELD.
3	EXISTING 4" SANITARY WASTE WATER LINE LOCATED BELOW SLAB IN THIS VICINITY. VERIFY EXACT LOCATION IN FIELD. SAW CUT EXISTING SLAB AND PATCH TO MATCH EXISTING. PLUMBING CONTRACTOR TO VERIFY ALL EXISTING INVERTS IN FIELD PRIOR TO STARTING WORK.
4	TRAP PRIME FLOOR DRAIN OFF LAVATORY/SINK TRAP AND ROUTE 1/2" WATER LINE FROM P-TRAP DOWN INSIDE WALL UNTIL UNDERSLAB TO FLOOR DRAIN.
5	TWO TANK TYPE GAS FIRED WATER HEATERS MANIFOLDED TOGETHER FOR KITCHEN HOT WATER SUPPLY.
6	WATER HEATER MIXING VALVE MOUNTED ON WALL ADJACENT TO WATER HEATER.
7	SAWCUT EXISTING CONCRETE PAVEMENT TO INSTALL NEW PIPING AND PATCH TO MATCH EXISTING AS SPECIFIED.
8	SAWCUT EXISTING SLAB TO INSTALL NEW PIPING AND PATCH TO MATCH EXISTING AS SPECIFIED.
9	FLOOR TROUGH FURNISHED BY FOOD SERVICE EQUIPMENT SUPPLIER. PLUMBER TO ASSEMBLE AND INSTALL.
10	PROVIDE 3/4" HOT AND COLD DOMESTIC WATER LINE FOR UTILITY DISTRIBUTION CENTER. COORDINATE WITH KITCHEN EQUIPMENT INFIELD.
11	PLUMBING CONTRACTOR SHALL PROVIDE NEW ALL-IN-ONE SOLID SURFACE COUNTERTOP/LAVATORY WITH FAUCET AND NEW WATER CLOSET IN EXISTING RESTROOM. NEW PLUMBING FIXTURES SHALL MATCH (COLOR, DIMENSIONS, & DESIGN) EXISTING FIXTURES AS SPECIFIED. EXISTING BASE CABINET TO BE REUSED.
12	HUB DRAIN AND INSULATED P-TRAP ABOVE CEILING TO ACCESS INDIRECT TERMINATION OF A/C CONDENSATE DRAIN LINE AT THE HUB DRAIN. INSULATE ALL WASTE PIPING ABOVE FINISHED FLOOR ASSOCIATED WITH CONDENSATION REMOVAL.
13	CIRCULATING PUMP MOUNTED ON WALL ADJACENT TO WATER HEATER.
14	3" VENT THROUGH ROOF, TYPICAL.
15	2-1/2" NATURAL GAS LINE UP FROM BELOW SLAB WITH ADJUSTABLE REGULATOR. ROUTE GAS LINE UP ALONG EXTERIOR WALL AND PENETRATE INTO BUILDING ABOVE CEILING ELEVATION. PENETRATE THROUGH EXTERIOR WALL WITH PENETRATION SLEEVE.
16	2" NATURAL GAS LINE FOR UTILITY DISTRIBUTION CENTER. COORDINATE HEIGHT AND EXACT LOCATION OF CONNECTIONS WITH UTILITY DISTRIBUTION CENTER IN FIELD. PROVIDE MANUAL AND AUTOMATIC GAS SHUTOFF VALVES ON 2" LINE BEFORE CONNECTING TO HOOD FIRE SUPPRESSION SYSTEM. INSTALL VALVES IN VISIBLE/ACCESSIBLE LOCATION AS PER NFPA REQUIREMENTS. AUTOMATIC GAS SHUTOFF VALVE SHALL BE CONNECTED TO FIRE SUPPRESSION SYSTEM FOR AUTOMATIC SHUTOFF WHEN ACTIVATED.
17	1-1/2" NATURAL GAS LINE UP TO PENETRATE THROUGH ROOF FROM CEILING SPACE TO SERVE ROOF TOP A/C UNIT. COORDINATE EXACT LOCATION OF ROOF TOP UNIT IN FIELD PRIOR TO PENETRATING ROOF.
18	ROUTE NEW 2-1/2" NATURAL GAS LINE BELOW GRADE TO EXISTING NATURAL GAS METER APPROXIMATELY 150 FEET AWAY. CONNECT TO EXISTING NATURAL GAS PIPING SERVING BUILDING SIDE OF GAS METER. PLUMBING CONTRACTOR SHALL VERIFY EXACT LOCATION OF EXISTING NATURAL GAS METER IN FIELD PRIOR TO BIDDING AND INSTALLATION OF NEW PIPING. SET NEW NATURAL GAS REGULATOR FOR 8" WATER COLUMN PRESSURE.
19	CAN WASH DRAIN WITH DUAL TEMPERATURE WATER SUPPLY BOX. ROUTE 3/4" WATER LINE FROM SUPPLY BOX DOWN IN WALL UNTIL UNDER SLAB TO CAN WASH DRAIN. MOUNT WATER SUPPLY BOX ON WALL IN ACCESSIBLE LOCATION AROUND CAN WASH PAD. COORDINATE MOUNTING LOCATION IN FIELD.
20	HOT AND COLD MIXING FREEZELESS HOSE BIBB.
21	HUB DRAIN AND INSULATED P-TRAP WITHIN WALL WITH METAL ACCESS PANEL IN WALL TO ACCESS INDIRECT TERMINATION OF A/C CONDENSATE DRAIN LINE AT THE HUB DRAIN.
22	3/4" DOMESTIC COLD WATER LINE UP TO SERVE ROOF HYDRANT. PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL ROOF HYDRANT AS NEEDED IN ACCESSIBLE LOCATION ON ROOF. COORDINATE LOCATION IN FIELD.

NOTE:
PLUMBING CONTRACTOR SHALL COORDINATE PLUMBING REQUIREMENTS FOR EACH KITCHEN PLUMBING FIXTURE/EQUIPMENT WITH FOOD SERVICE EQUIPMENT DRAWING PRIOR TO BIDDING AND ROUGH-IN.



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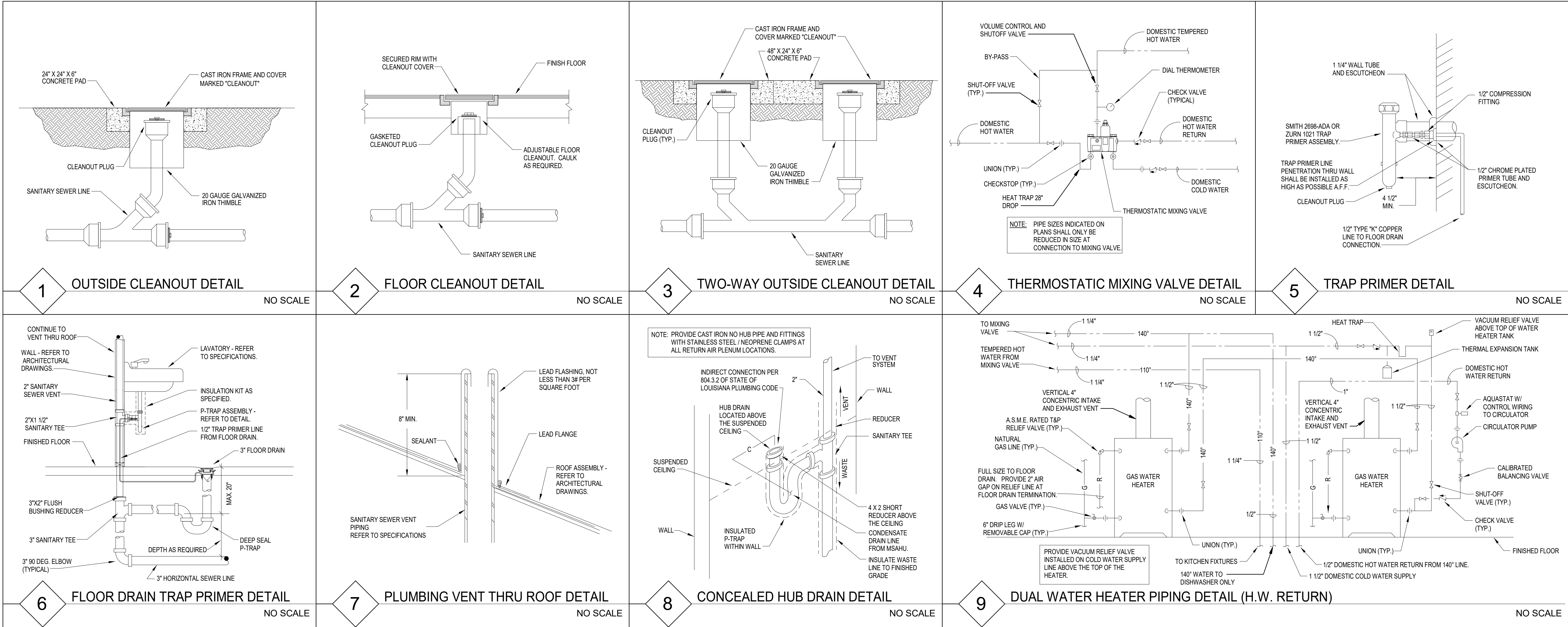
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PLUMBING PLAN

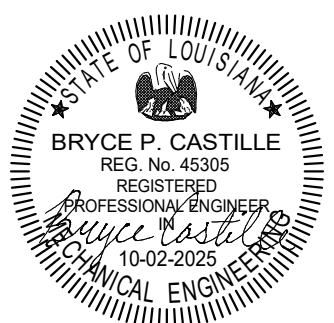


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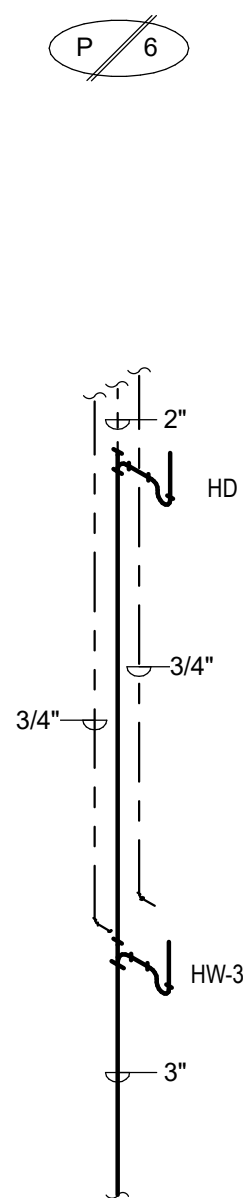
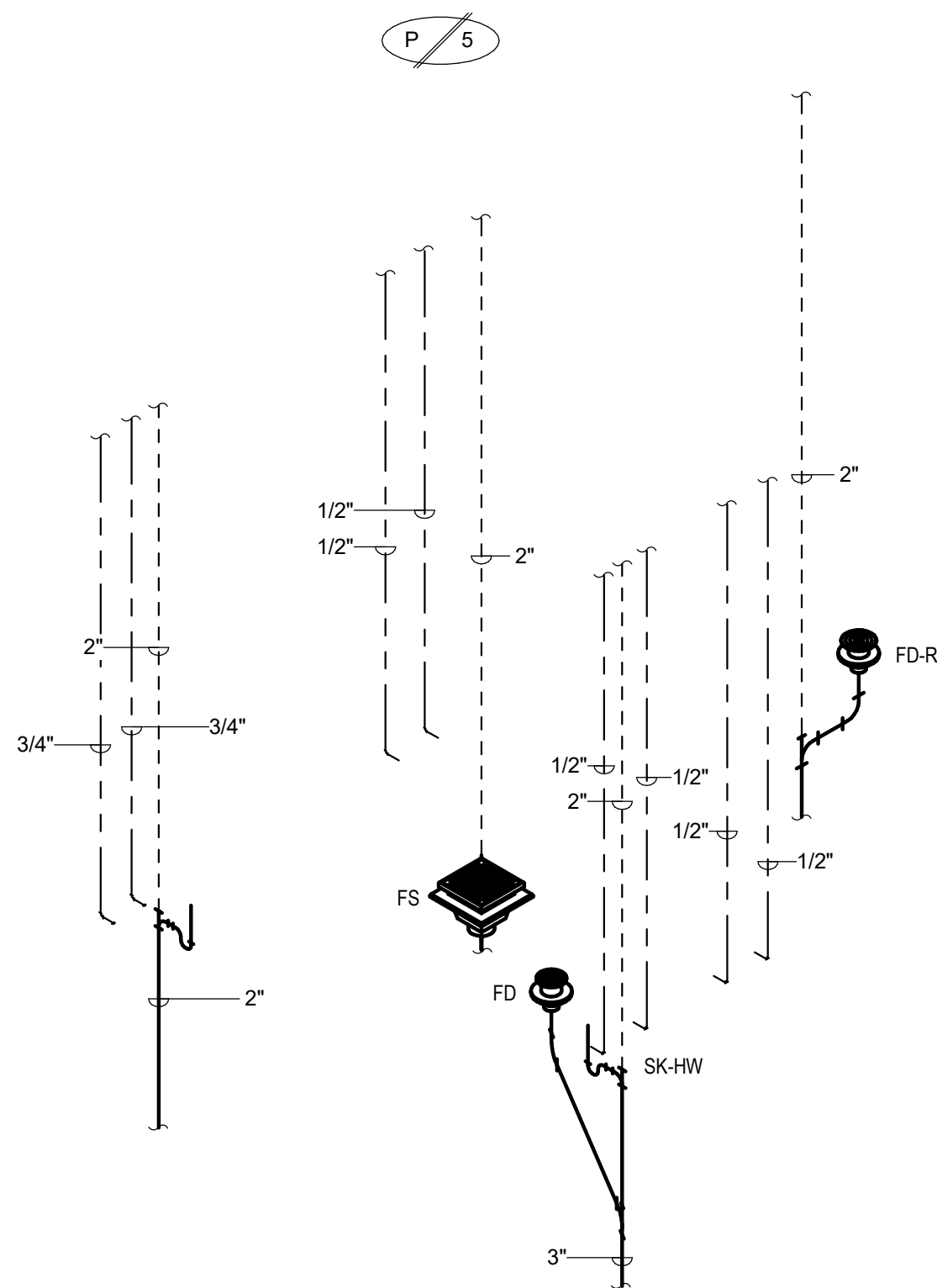
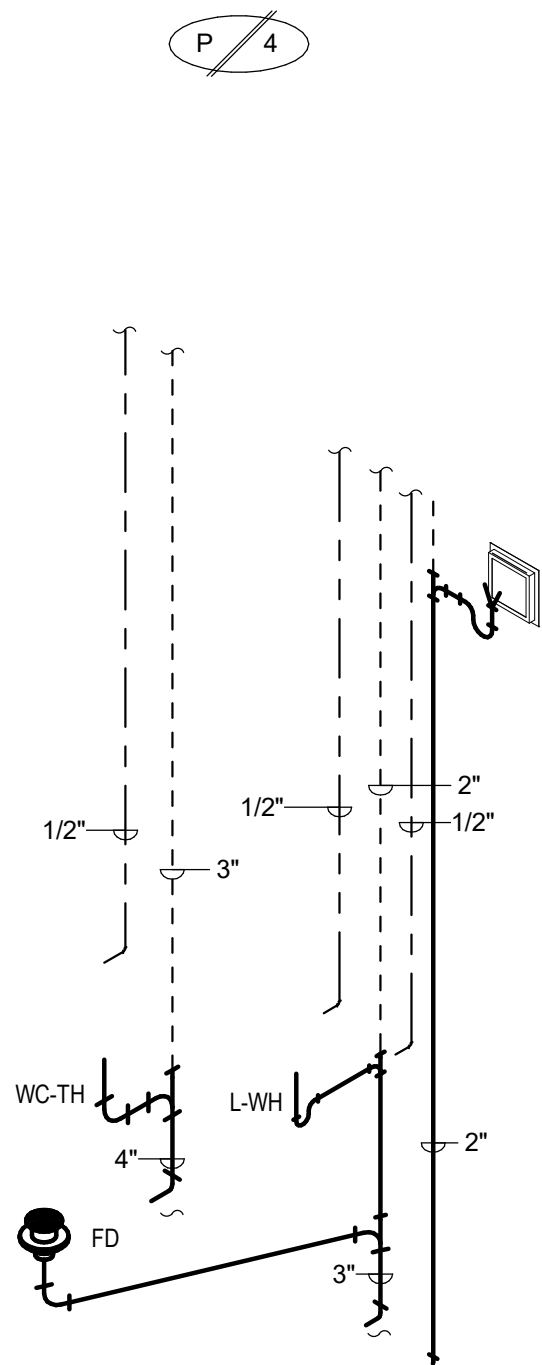
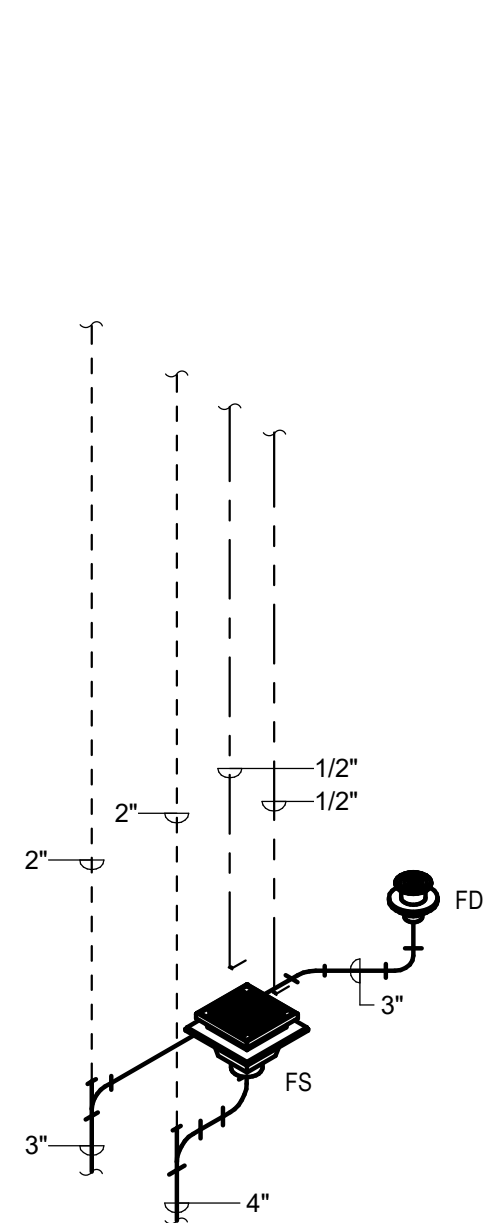
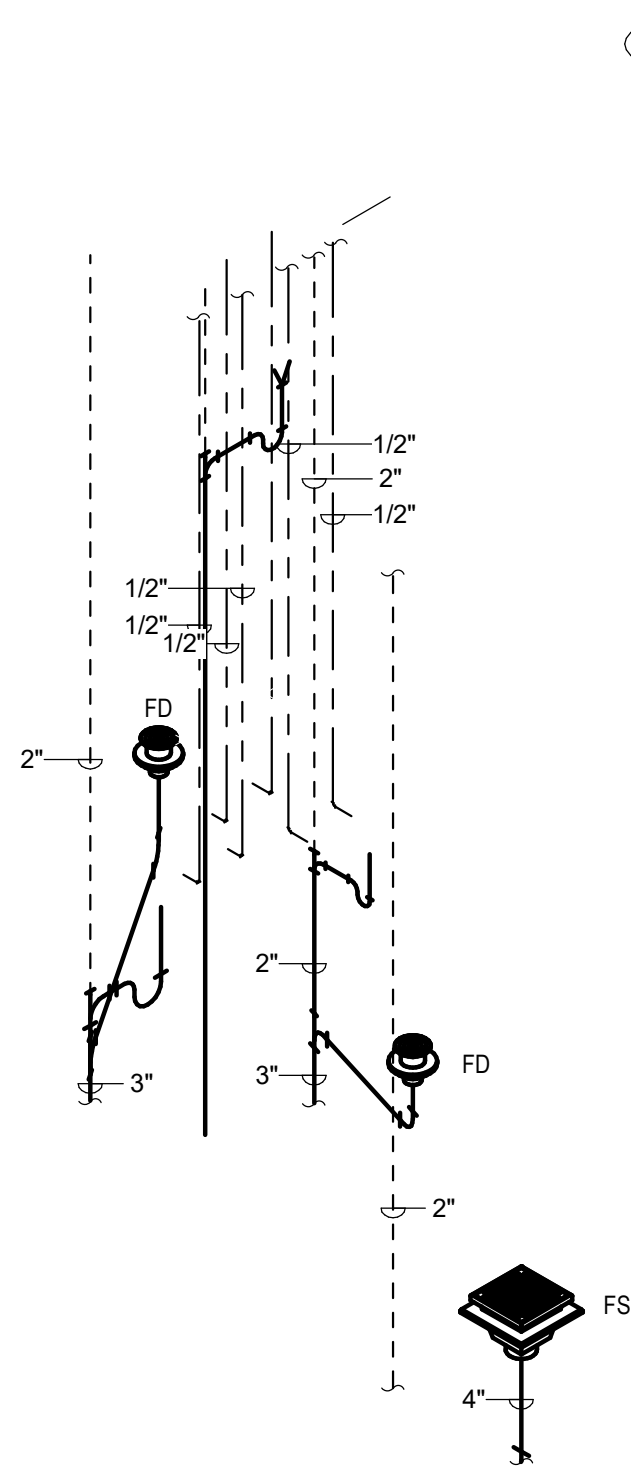
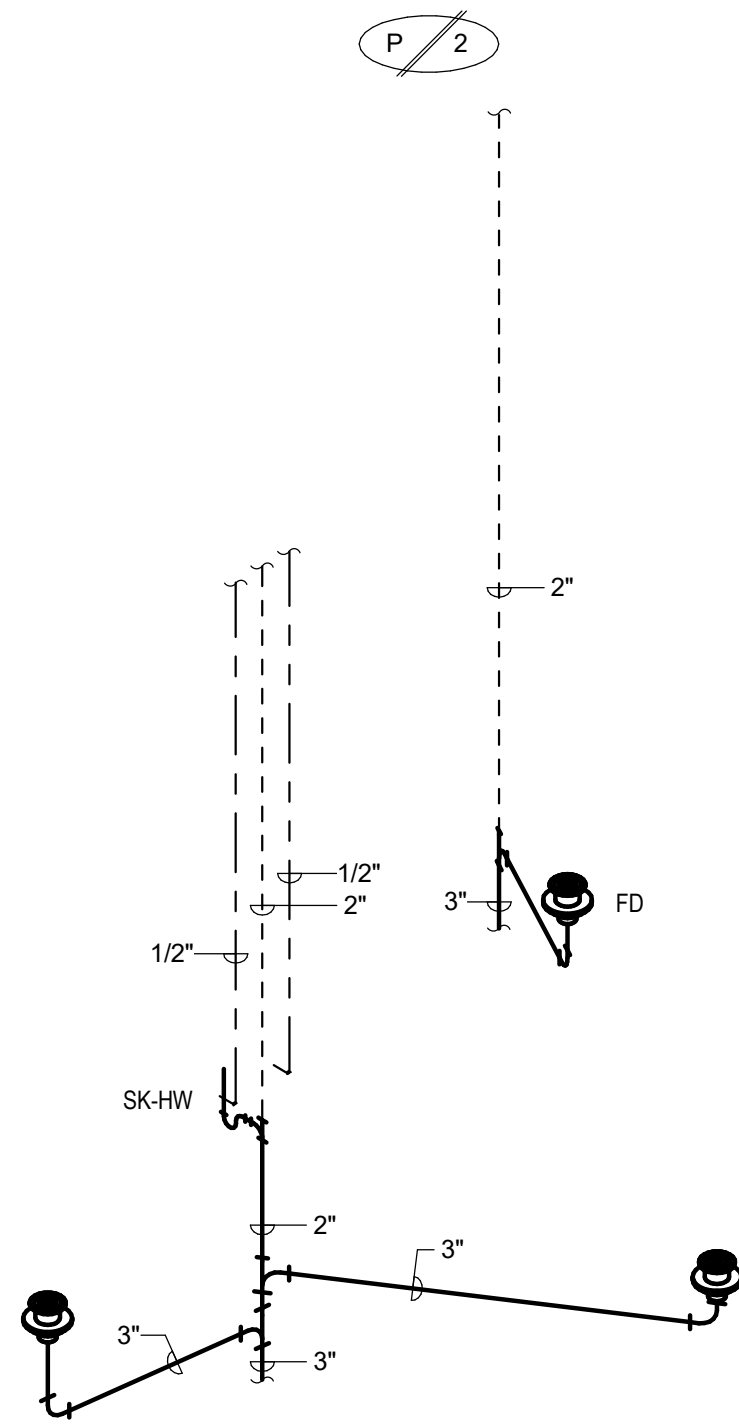
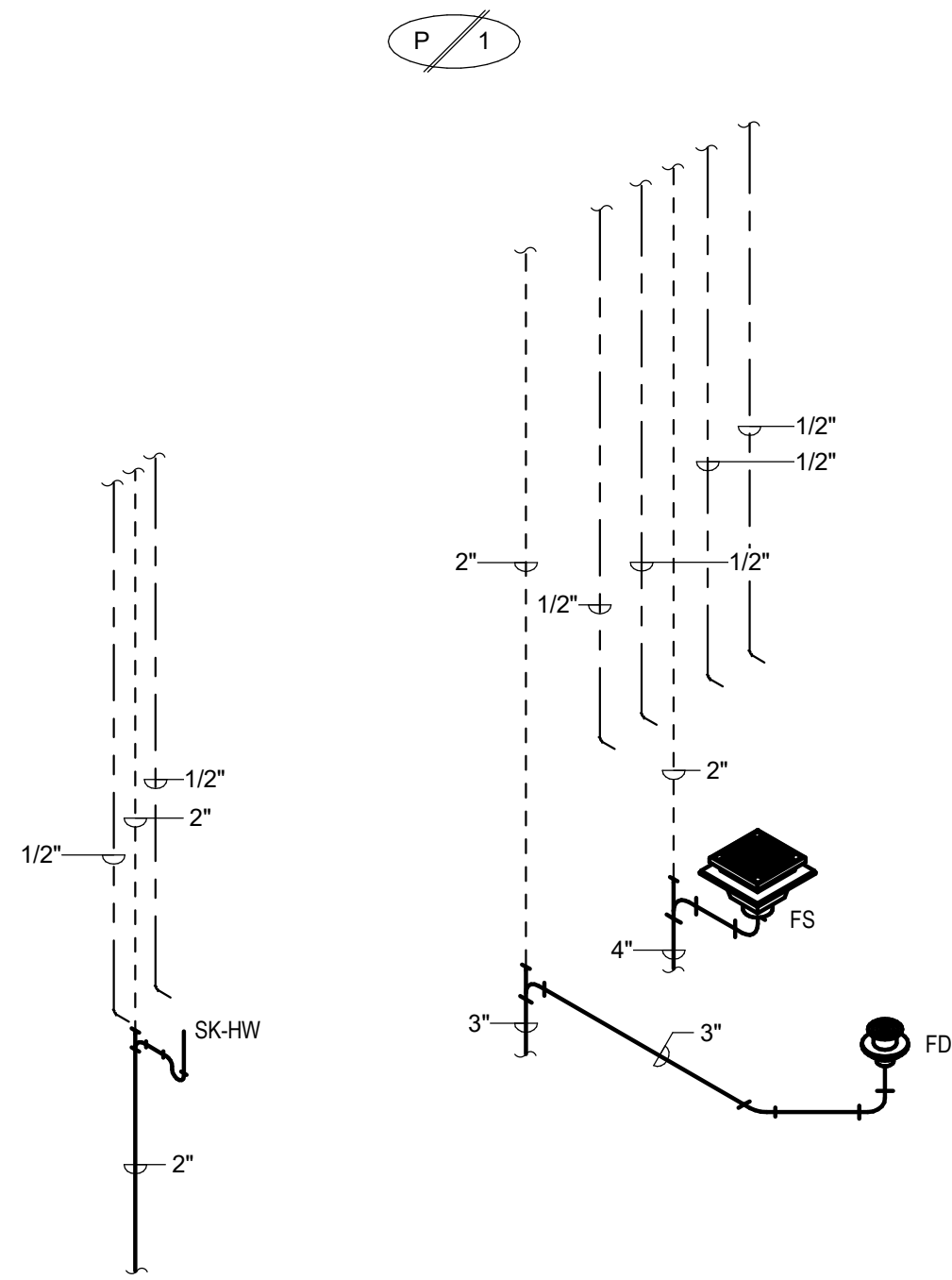
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File Name:

DESCRIPTION:

PLUMBING DETAILS



- NOTES:**
1. PLUMBING CONTRACTOR SHALL COMBINE AND EXTEND VENT LINES AS REQUIRED TO V.T.R. VENT THRU ROOF SHALL MAINTAIN A MINIMUM OF 10'-0" FROM OUTSIDE AIR INTAKES.
 2. CONTRACTOR SHALL SEAL ALL PIPE PENETRATIONS THRU RATED WALLS WITH FIRE RATED SEALANT SYSTEMS PER MANUFACTURER'S RECOMMENDATIONS FOR SPECIFIC U.L. ASSEMBLY.
 3. WATER HAMMER ARRESTER(S) SHALL BE INSTALLED ON PIPING SYSTEMS AND AT QUICK-CLOSING VALVES AS PER MANUFACTURER'S RECOMMENDATIONS.
 4. ALL FLOOR DRAINS (FD & FD-R) AND HUB DRAIN (HD) SHALL BE COMPLETE WITH TRAP GUARDS PER SPECIFICATIONS.



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DESCRIPTION:

PLUMBING RISER
DIAGRAMS

PLUMBING FIXTURE SCHEDULE							
LABEL	FIXTURE TYPE	MANUFACTURER	PIPE CONNECTION				SPECIFICATION
			C.W.	H.W.	WASTE	VENT	
CO	FLOOR CLEANOUT	ZURN 1400, WADE W-6000, MIFAB C1100-R OR J.R. SMITH 4031 (NB) WITH ADJUSTABLE SCORIATED SECURED NICKEL BRONZE TOP.	-	-	4"	-	FLOOR CLEANOUTS SHALL BE AN ADJUSTABLE TYPE WITH ANCHOR FLANGE FOR CLAMP DEVICE. CLAMPING COLLAR AND NICKEL BRONZE COVER. CONTRACTOR SHALL INSTALL 2# LEAD FLASHING A MINIMUM OF 18" ALL AROUND CLEANOUT AND FLASH INTO FLANGE AND ANCHOR WITH CLAMPING COLLAR.
CW	FLOOR SINK CAN WASH	JOSAM SERIES 39240, J. R. SMITH 3370, MIFAB F1350-Y-36	3/4"	3/4"	4"	2"	SQUARE CAST IRON CAN WASH DRAIN, DOUBLE DRAINAGE FLANGE WITH WEEPHOLES, BOTTOM OUTLET, REMOVABLE SEDIMENT BUCKET, BRONZE SPRAY NOZZLE ASSEMBLY AND CAST IRON NON-TRAFFIC GRATE. JAY R. SMITH MODEL 3380 (MIFAB F1670) WATER SUPPLY BOX WITH HINGED DOOR AND CYLINDER LOCK.
DS	DUMPSTER PAD DRAIN	J.R. SMITH SQ-2-2289 OR APPROVED EQUIVALENT	-	-	4"	2"	15"X15" DUCO COATED CAST IRON ADJUSTIBLE FRAME, LOOSE SET DUCTILE IRON GRATE AND SUSPENDED CAST IRO SEDIMENT BUCKET WITH LOOSE SET SOLID NON-SKID STEEL COVER WITH LIFT HANDEL.
FD	FLOOR DRAIN	JOSAM SERIES 30000, WADE W-1100-A6-1, J. R. SMITH 2010A, MIFAB F1100-C, ZURN 415-BZ OR EQUIVALANT	-	-	3"	2"	BOTTOM OUTLET WITH DURA-COATED CAST IRON BODY, WITH CLAMPING COLLAR AND 6" DIAMETER NICKEL BRONZE STRAINER ADJUSTABLE VERTICALLY TO FLOOR LEVEL, WITH SQUARE PERFORATIONS AND VANDAL-PROOF SCREWS. PROVIDE TRAP PRIMER CONNECTION WHERE SHOWN ON PLANS. PROVIDE SURESEAL MODEL SS3000V (MIFAB MI-GARD-3) FLOOR DRAIN TRAP SEALER FOR 3" DIAMETER DRAIN (ASSE 1072) WHERE TRAP PRIMER LINE IS NOT SHOWN CONNECTING TO THE FLOOR DRAIN ON THE PLANS. COORDINATE FINAL ROUGH-IN ELEVATION WITH FINISHED FLOOR. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
FD-R	FLOOR DRAIN RECESSED GRATE	JOSAM SERIES 30000, WADE W-1100-ER7-1, J. R. SMITH 2010A, MIFAB F1100-C, ZURN 415-BZ OR EQUIVALANT	-	-	3"	2"	SHALL BE SAME AS "FD", EXCEPT SUPPLIED WITH 1" RECESSED GRATE, JOSAM TYPE "E-1", WADE W-1100-ER7, J. R. SMITH 2010-F37, MIFAB F1100-C-ER WITH TOP OF RIM SET FLUSH WITH FINISHED FLOOR. PROVIDE SURESEAL MODEL SS3000V (MIFAB MI-GARD-3) FLOOR DRAIN TRAP SEALER FOR 3" DIAMETER DRAIN (ASSE 1072) WHERE TRAP PRIMER LINE IS NOT SHOWN CONNECTING TO THE FLOOR DRAIN ON THE PLANS.
FS	FLOOR SINK	J.R. SMITH 3150, JOSAM 49340-A-NB	-	-	4"	2"	12X12" SQUARE CAST IRON 8" DEEP FLOOR SINK WITH ACID-RESISTING PORCELAIN ENAMELED INTERIOR, DOUBLE DRAINAGE FLANGE, CLAMPING DEVICE, 12-1/2" SQUARE NICKEL BRONZE RIM AND GRATE, BOTTOM OUTLET, ALUMINUM INTERNAL DOME STRAINER. JOSAM 88350, J.R. SMITH 2697, ZURN 1023 STRAIGHT SPIGOT ADAPTER WITH AUXILIARY INLET FITTING WITH TRAP PRIMER CONNECTION WHERE INDICATED ON PLANS.
HB-B	HOSE BIBB	WOODFORD MODEL HCB67, MIFAB MHY-45	3/4"	3/4"	-	-	FREEZELESS HOT AND COLD MIXER WALL HYDRANT WITH AUTOMATIC DRAINING AND HOSE CONNECTION BACKFLOW PREVENTER, RECESSED BOX, AND LOOSE KEY HANDLE.
HD	HUB DRAIN	SURESEAL SS2009V, TRAP GUARD TG-22IP, MIFAB MI-GARD-2	-	-	2"	1 1/2"	DRAIN TRAP SEALER FOR 2" DIAMETER CONDENSATE HUB DRAIN.
HS	HOSE STATION	LEONARD MODEL THS-25-VBD-CW	1/2"	1/2"	-	-	THERMOSTATIC MIXING FAUCET WITH HOT AND COLD WATER, TOP INLETS; TWO STOP AND CHECK VALVES WITH COLOR CODED HEAT RESISTANT HANDLES ON INLETS, INTERNAL PARTS OF STAINLESS STEE CONSTRUCTION, OUTLET DIAL THERMOMETER, COLOR CODED SCALE; COLD TO HOT HIGH TEMPERATURE LIMIT STOP, HEAT RESISTANT TEMPERATURE ADJUSTING LEVER, INTEGRAL WALL SUPPORT, VACUUM BREAKER, HOSE CONNECTION, STAINLESS STEEL HOSE RACK, 25 FEET OF INDUSTRIAL HOSE AND HOSE NOZZLE WITH TRIGGER CONTROL LEVER.
HW-3	HANDWASH	BRADLEY MODEL MF2949-TTPA-LSD-TMA OR APPROVED EQUVILENT	1/2"	1/2"	2"	2"	WALL HUNG TERREON WASHFOUNTAIN BOWL TO ACCOMMODATE UP TO 4 USERS AT A TIME. VANDAL RESISTANT MOLDED SPRAYHEAD IS AN INTEGRAL ELEMENT OF THE BOWL MODULE, SPRAYHEAD WITH PUSH BUTTON TOUCH TIME ELECTRONIC METERING VALVE, SLOW CLOSING ANTI HAMMER SOLENOID VALVE THAT IS TIMED FROM AN ELECTRONIC POTTED ASSEMBLY. TIMING IS ELECTRONICALLY CONTROLLED AT 1s SECONDS. THERMOSTATIC MIXING VALVE ASSEMBLY WITH STOPS, STRAINER AND CHECK VALVE; FLEXIBLE STAINLESS SUPPLY HOSE, DRAIN SPUD AND LOCK NUT; P-TRAP, TAILPIECE. REFER TO ARCHITECTURAL DRAWINGS FOR A.D.A. MOUNTING HEIGHTS. PROVIDE 110V GFCI ELECTRICAL OUTLET. COORDINATE WORK WITH ELECTRICAL CONTRACTOR. COLOR AND MOUNTING HEIGHT TO BE SELECTED BY ARCHITECT. CAULK AROUND PERIMETER OF FIXTURE. PROVIDE LAWLER 570 (LEONARD 170-LF, WATTS LFUSG-B SERIES) THERMOSTATIC MIXING VALVE, 3/8" INLETS & OUTLET CONNECTIONS, TEMPERATURE CONTROL DEVICE THAT CONFORMS TO ASSE 1070.
IMB	ICE MACHINE BOX	OATELY 38681, SPECIALITY PRODUCTS P4129	1/2"	-	-	-	1/2" COLD WATER VALVED CONNECTION IN RECESSED BOX.
L-WH	LAVATORY	KOHLER K-1729, AMERICAN STANDARD 0124.131	1/2"	1/2"	2"	2"	WALL HUNG, 20" X 18", WHITE, VITREOUS CHINA, WALL MOUNTED LAVATORY WITH 4" FAUCET CENTERS. ZURN Z6950-XL-S-CP4-F-CWB-P6000-HW6 (SLOAN SF2100-4-EAF11) SENSOR OPERATED FAUCET; CHROME PLATED CAST BRASS BODY, IN-LINE FILTER, 4" COVER PLATE, 0.5 VANDAL RESISTANT AERATOR, HARD WIRED POWER CONVERTER WITH; WITH MCGUIRE 153W0 (KOHLER K-13889) OFFSET TAILPIECE WITH PERFORATED GRATE DRAIN; MCGUIRE 8912 (KOHLER K-8998) 1-1/4" CAST BRASS P-TRAP WITH CLEANOUT PLUG; AND 3/8" ANGLE SUPPLIES WITH STOPS. PROVIDE J.R. SMITH 2698-ADA PRIME-EZE, ZURN Z1021-ADA OR EQUAL WATER SAVER TRAP PRIMER WHERE INDICATED ON PLANS. TRUEBRO MODEL 103 (ZURN Z8946-3-NT) INSULATING KIT. INSTALL PER A.D.A. REQUIREMENTS. CAULK AROUND PERIMETER OF FIXTURE. PROVIDE LAWLER 570 (LEONARD 170-LF, WATTS LFUSG-B SERIES) THERMOSTATIC MIXING VALVE, 3/8" INLETS & OUTLET CONNECTIONS, TEMPERATURE CONTROL DEVICE THAT CONFORMS TO ASSE 1070.
OCO	OUTSIDE CLEANOUT	J.R. SMITH, JOSAM, MIFAB, ZURN, WADE	-	-	4"	-	OUTSIDE CLEANOUTS SHALL BE AS DETAILED ON THE PLANS.
RH	FREEZELESS ROOF HYDRANT	WOODFORD MODEL RHY1-1-MS, ZURN Z1388XL	3/4"	-	-	-	AUTOMATIC DRAINING FREEZELESS ROOF HYDRANT WITH LEVER HANDLE.
SK-HW	SINK	ELKAY MODEL CHS1716SC, JUST A-544-912	1/2"	1/2"	2"	2"	WALL HUNG, 20 GAUGE TYPE 304 STAINLESS STEEL WITH BUFFED SATIN FINISH, 16.75" X 15.5" X 13", ONE PIECE DEEP DRAWN SINK WITH WITH 8.5" TALL BACKSPLASH WITH INTEGRAL WALL BRACKETS AND WALL HANGER. ELKAY LK940GN04L2H (JUST JS-47-TGSA) 8" CENTERSET WALL MOUNT FAUCET WITH 4" GOOSENECK SPOUT, 2" LEVER HANDLES, 1/2" OFFSET INLETS; ELKAY LK8 (JUST J-15-FS) 2" DRAIN FITTING TYPE 304 STAINLESS STEEL BODY, GRID STRAINER AND TAILPIECE; ELKAY LK500 (JUST JT-150, MCGUIRE 8912) 1-1/2" CAST BRASS P-TRAP WITH CLEANOUT PLUG; 3/8" ANGLE SUPPLIES WITH STOPS. TRUEBRO MODEL 103 (ZURN Z8946-3-NT) INSULATING KIT. INSTALL PER A.D.A. REQUIREMENTS. CAULK AROUND PERIMETER OF FIXTURE.
SS-L	SERVICE SINK	FIAT FL-1, MUSTEE 18F	1/2"	1/2"	2"	2"	FLOOR MOUNTED SERV-A-SINK, A-1 FAUCET, A-2 OVERFLOW PIPE, WHITE BAKED ENAMEL LEGS WITH LEVELING FEET, DRAIN PLUG WITH CHAIN, 1-1/2" CASTBRASS P-TRAP WITH CLEANOUT PLUG AND 3/8" ANGLE SUPPLIES WITH STOPS.
WC-TH	WATER CLOSET	KOHLER K-3493 PRESSURE ASSISTED, AMERICAN STANDARD CADET 2467.016	1/2"	-	4"	3"	FLOOR MOUNTED, WHITE, VITREOUS CHINA, ELONGATED BOWL WATER CLOSET. K-4670-C (A.S. 5901.100, BEMIS 1955CT, BENEKE 523, CHURCH 295CT, CENTOCO 500STSCC) SOLID PLASTIC, WHITE OPEN-FRONT TOILET SEAT LESS COVER, CHECK HINGE AND WITH STA-TITE COMMERCIAL FASTENING SYSTEM; K-4562 BOLT CAPS AND 3/8" ANGLE SUPPLY WITH STOP. INSTALL PER A.D.A. REQUIREMENTS. TRIP LEVER TO BE ON WIDE SIDE OF STALL. INSTALL WAX SEAL BELOW FIXTURE. CAULK AROUND PERIMETER OF FIXTURE.
WMB	WASHING MACHINE	WATER-TITE W4700, OATEY 38530	1/2"	1/2"	2"	2"	PLASTIC WASHING MACHINE BOX, 1/2" COLD WATER AND 1/2" HOT WATER VALVED CONNECTIONS AND 2" CENTER DRAIN LINE.

WATER HEATER SCHEDULE							
UNIT NO.	SERVICE	CAPACITY (GALLONS)	GAS INPUT (BTU/H)	TEMPERATURE SETTING	ELECTRICAL SERVICE	RECOVERY RATE @ 100°F TEMP. RISE	COMMENTS
WH-1	CAFETERIA	100 GALLON	199,000 NATURAL GAS	140 DEGREE (F)	120/1/60	256 GALLONS	A.O. SMITH MODEL BTH-199 (STATE MODEL SUF-100-199-NE)
WH-2	CAFETERIA	100 GALLON	199,000 NATURAL GAS	140 DEGREE (F)	120/1/60	256 GALLONS	A.O. SMITH MODEL BTH-199 (STATE MODEL SUF-100-199-NE)

NOTES: INDIVIDUAL VERTICAL 4" CONCENTRIC INTAKE AND EXHAUST VENT FOR EACH WATER HEATER. PROVIDE CONCENTRIC VENT KIT. REFER TO HVAC (MECHANICAL) DRAWINGS FOR FLUE ROUTING AND LOCATIONS THROUGH ROOF. CONTRACTOR SHALL COORDINATE FLUE LOCATION THROUGH ROOF AND PIPE ROUTING IN CEILING SPACES WITH ALL OTHER DISCIPLES PRIOR TO CONSTRUCTION.

DOMESTIC WATER CIRCULATING PUMP SCHEDULE									
UNIT NO.	SERVICE	TYPE	GPM	H.D. FT. OF WATER	RPM	MOTOR HP	VOLTAGE	PHASE	BASIS OF DESIGN
CP-1	KITCHEN WATER HEATERS	IN-LINE	3	4.46	3450	0.17	120	1	TACO 2400-20S, B&G PL-36B OR APPROVED EQUAL

NOTES: 1. PUMP SHALL BE FURNISHED WITH ALL STAINLESS STEEL/BRONZE TRIM, AQUASTAT WITH TEMPERATURE ADJUSTABLE SETTING(SET AT 105°F) AND CONTROL WIRING INTERLOCKED WITH PUMP, CHECK VALVE AND CONTROL WIRING.

MIXING VALVE SCHEDULE			
UNIT NO.	SERVICE	TYPE	TEMPERATURE SETTING BASIS OF DESIGN
MV-A		STANDARD	110°F BRADLEY MODEL S59-2045-TBP TMV45, LEONARD TM-30-E-RF

NOTES: 1. MIXING VALVE SHALL HAVE RELIABLE LIQUID-FILLED THERMOSTAT, DIAL THERMOMETER, WALL MOUNTING BRACKET, PIPED ASSEMBLY WITH INLET AND OUTLET SHUTOFF, INTEGRAL STRAINER CHECKSTOPS ON INLETS, ADJUSTABLE SET POINT (SET @ 110°F), POSITIVE SHUTOFF OF HOT WATER WHEN COLD SUPPLY IS LOST AND DIAL THERMOMETER. INSTALL THERMOMETER DOWNSTREAM OF UNIT IN PIPING. ASSE 1017.



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DRAWING REVISIONS

No.	Description	Date

DRAWN BY: CB

CHECKED BY: TK

SHEET

P5.01

Date: OCT 2025

Project No.: 21-001

File Name:

DESCRIPTION:

PLUMBING
SCHEDULES