

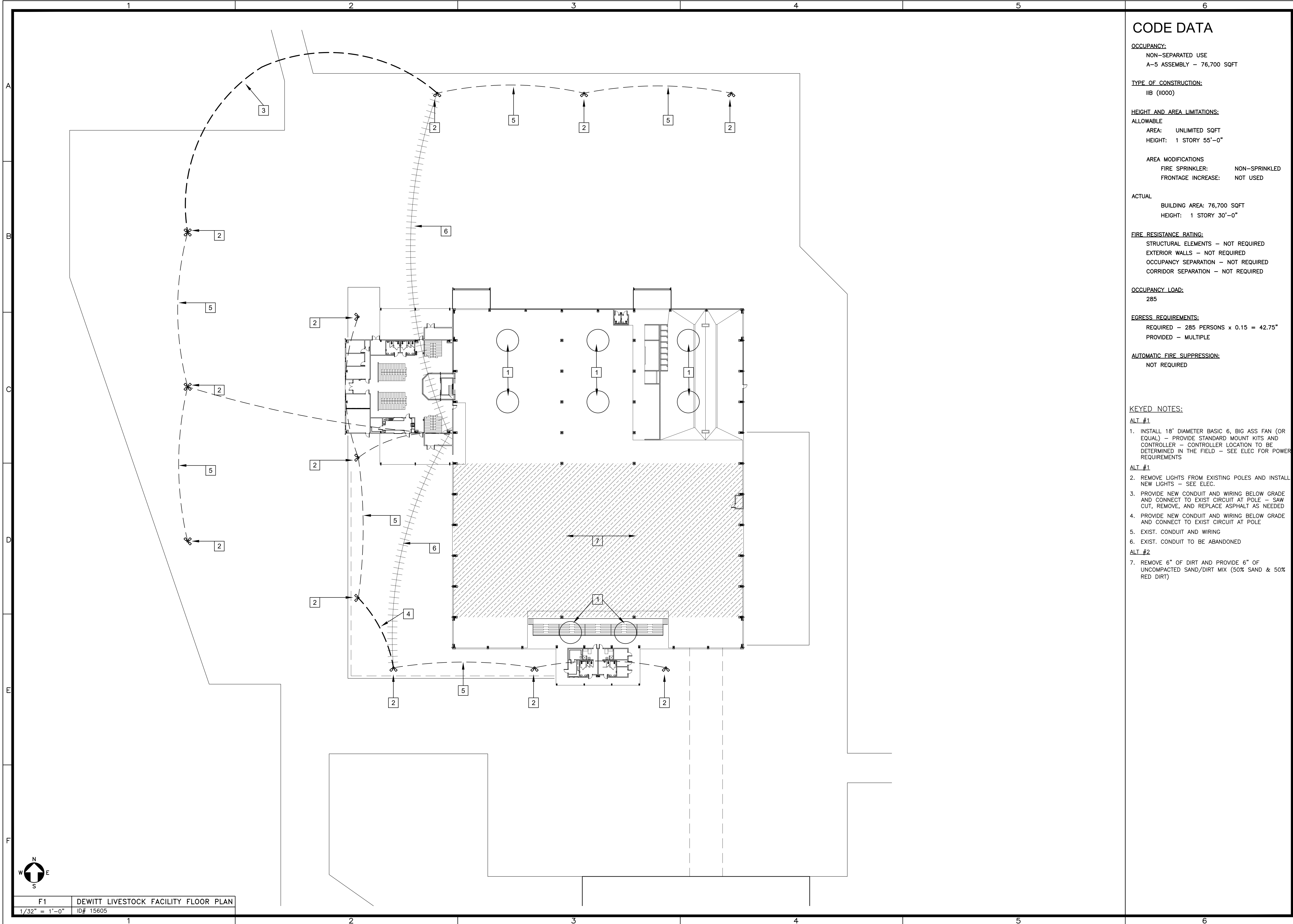


CENTRALBIDDING
FROM CENTRAL AUCTION HOUSE

Tornado Damage Building Repairs and Reconstruction
LAGC Plan Room - North

Project documents obtained from www.CentralBidding.com

26-Mar-2026 02:44:42 PM



CODE DATA

OCCUPANCY:
 NON-SEPARATED USE
 A-5 ASSEMBLY - 76,700 SQFT

TYPE OF CONSTRUCTION:
 IIB (I1000)

HEIGHT AND AREA LIMITATIONS:
 ALLOWABLE
 AREA: UNLIMITED SQFT
 HEIGHT: 1 STORY 55'-0"

AREA MODIFICATIONS
 FIRE SPRINKLER: NON-SPRINKLED
 FRONTAGE INCREASE: NOT USED

ACTUAL
 BUILDING AREA: 76,700 SQFT
 HEIGHT: 1 STORY 30'-0"

FIRE RESISTANCE RATING:
 STRUCTURAL ELEMENTS - NOT REQUIRED
 EXTERIOR WALLS - NOT REQUIRED
 OCCUPANCY SEPARATION - NOT REQUIRED
 CORRIDOR SEPARATION - NOT REQUIRED

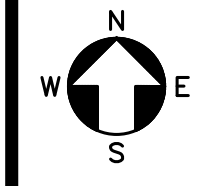
OCCUPANCY LOAD:
 285

EGRESS REQUIREMENTS:
 REQUIRED - 285 PERSONS x 0.15 = 42.75"
 PROVIDED - MULTIPLE

AUTOMATIC FIRE SUPPRESSION:
 NOT REQUIRED

KEYED NOTES:

- ALT #1**
1. INSTALL 18" DIAMETER BASIC 6, BIG ASS FAN (OR EQUAL) - PROVIDE STANDARD MOUNT KITS AND CONTROLLER - CONTROLLER LOCATION TO BE DETERMINED IN THE FIELD - SEE ELEC FOR POWER REQUIREMENTS
- ALT #1**
2. REMOVE LIGHTS FROM EXISTING POLES AND INSTALL NEW LIGHTS - SEE ELEC.
 3. PROVIDE NEW CONDUIT AND WIRING BELOW GRADE AND CONNECT TO EXIST CIRCUIT AT POLE - SAW CUT, REMOVE, AND REPLACE ASPHALT AS NEEDED
 4. PROVIDE NEW CONDUIT AND WIRING BELOW GRADE AND CONNECT TO EXIST CIRCUIT AT POLE
 5. EXIST. CONDUIT AND WIRING
 6. EXIST. CONDUIT TO BE ABANDONED
- ALT #2**
7. REMOVE 6" OF DIRT AND PROVIDE 6" OF UNCOMPACTED SAND/DIRT MIX (50% SAND & 50% RED DIRT)



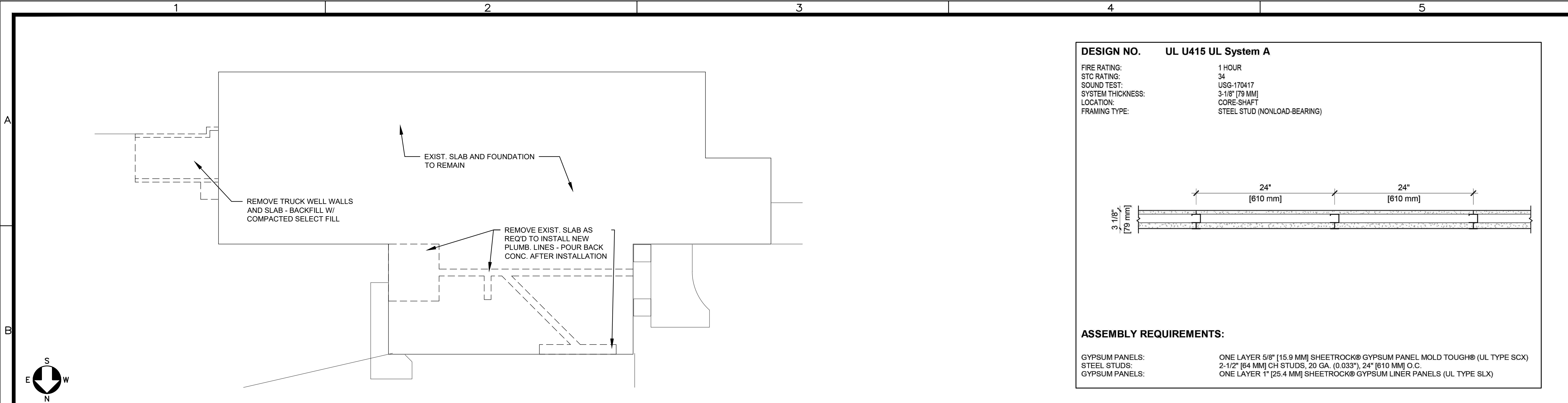
F1 DEWITT LIVESTOCK FACILITY FLOOR PLAN
 1/32" = 1'-0" ID# 15605

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21011 TORNADO DAMAGE BUILDING REPAIRS & RECONSTRUCTION
DEAN LEE RESEARCH AND EXTENSION CENTER
 LSU AG CENTER, ALEXANDRIA, LOUISIANA SITE CODE: 6-40-023 SITE ID: MULTIPLE
 PROJECT NO: 09.04.25 | PROJECT NO: 19-607-21-01, F:19002617

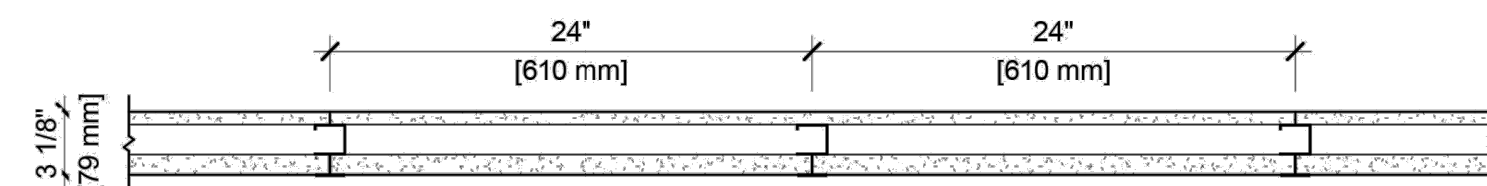
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 DRAWN: AJG
 CHECKED: AJG
 DATE: 06.16.25
 LAST REV: 09.04.25

A110
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DESIGN NO. UL U415 UL System A

FIRE RATING: 1 HOUR
 STC RATING: 34
 SOUND TEST: USG-170417
 SYSTEM THICKNESS: 3-1/8" [79 MM]
 LOCATION: CORE-SHAFT
 FRAMING TYPE: STEEL STUD (NONLOAD-BEARING)



ASSEMBLY REQUIREMENTS:

GYPSUM PANELS: ONE LAYER 5/8" [15.9 MM] SHEETROCK® GYPSUM PANEL MOLD TOUGH® (UL TYPE SCX)
 STEEL STUDS: 2-1/2" [64 MM] CH STUDS, 20 GA. (0.033"), 24" [610 MM] O.C.
 GYPSUM PANELS: ONE LAYER 1" [25.4 MM] SHEETROCK® GYPSUM LINER PANELS (UL TYPE SLX)

CODE DATA

OCCUPANCY:
 NON-SEPARATED USE
 BUSINESS (B) - 2,295 SQFT
 STORAGE (S-2) - 7,555 SQFT

TYPE OF CONSTRUCTION:
 IIB (I1000)

HEIGHT AND AREA LIMITATIONS:
 ALLOWABLE
 AREA: 23,000 SQFT
 HEIGHT: 3 STORY 55'-0"

AREA MODIFICATIONS
 FIRE SPRINKLER: NON-SPRINKLED
 FRONTAGE INCREASE: NOT USED

ACTUAL
 BUILDING AREA: 9,850 SQFT
 HEIGHT: 1 STORY 16'-0"

FIRE RESISTANCE RATING:
 STRUCTURAL ELEMENTS - NOT REQUIRED
 EXTERIOR WALLS - NOT REQUIRED
 OCCUPANCY SEPARATION - 1 HR FIRE BARRIER
 CORRIDOR SEPARATION - NOT REQUIRED

OCCUPANCY LOAD:
 BUSINESS - 2,295/100 = 23
 STORAGE - 7,555/500 = 15
 TOTAL = 38

EGRESS REQUIREMENTS:
 REQUIRED - 38 PERSONS x 0.15 = 5.7"
 PROVIDED - 4) 36" WIDE DOORS

AUTOMATIC FIRE SUPPRESSION:
 NOT REQUIRED

PLUMBING FIXTURE:
 38 OCCUPANTS/2 = 19M & 19F
 1 FIXTURE/25 OCCUPANTS = 1M & 1F

SYMBOL LEGEND:

NAME	ROOM NAME AND NUMBER - SEE R.F.S.
[NO]	ROOM NAME AND NUMBER - SEE R.F.S.
[XX-XX]	OPENING NUMBER - SEE DOOR AND WINDOW SCHED.
[L]	CORNER OR ENDWALL GUARD
F.E.C.	FIRE EXTINGUISHER IN SEMI RECESSED CABINET
D.S.	DOWNSPOUT

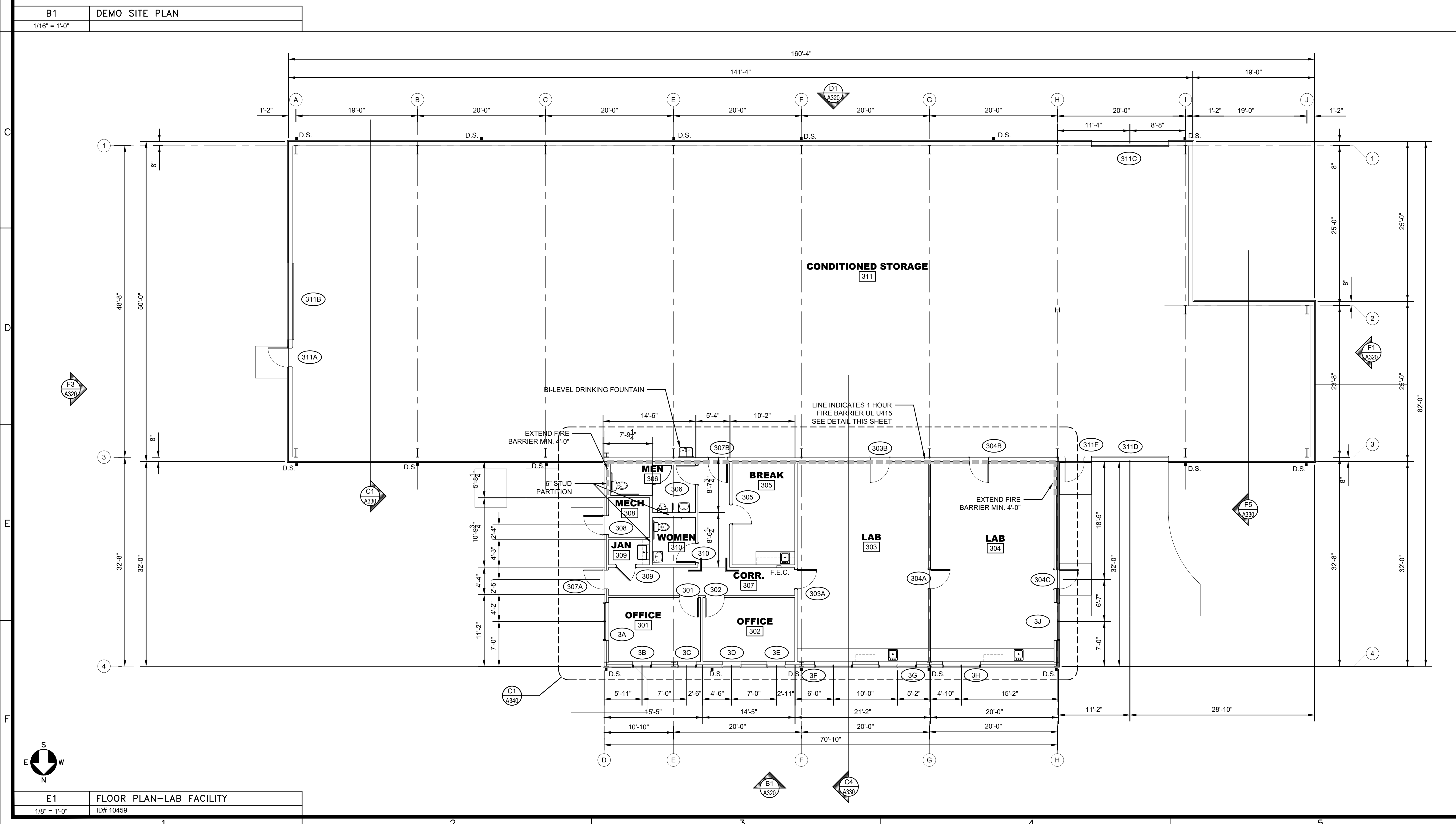
GENERAL NOTES:

A. DIMENSION ARE TO FACE OF EXTERIOR FRAMING AND/OR FACE OF GYPSUM BOARD

B. PROVIDE GYPSUM BOARD CONTROL JOINTS AT THE CORNERS OF ALL OPENINGS

C. METAL BUILDING FRAME SHALL BE INSTALLED ON EXIST. CONC. FOUNDATION - DRILL EXIST. SLAB AND EPOXY 3/4"Ø A.B. MIN. 15" INTO SLAB - VERIFY EXIST. CUTOFF A.B. DOES NOT INTERFERE WITH NEW LAYOUT

D. ALL INTERIOR PARTITIONS ARE 5/8" GYP. BD. ON BOTH SIDES OF 3-5/8" MTL STUDS @ 16" C/C - SEE PLAN FOR ENLARGED STUD CAVITY LOCATIONS



E1 FLOOR PLAN-LAB FACILITY
 1/8" = 1'-0"
 ID# 10459

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TORNADO DAMAGE BUILDING REPAIRS & RECONSTRUCTION

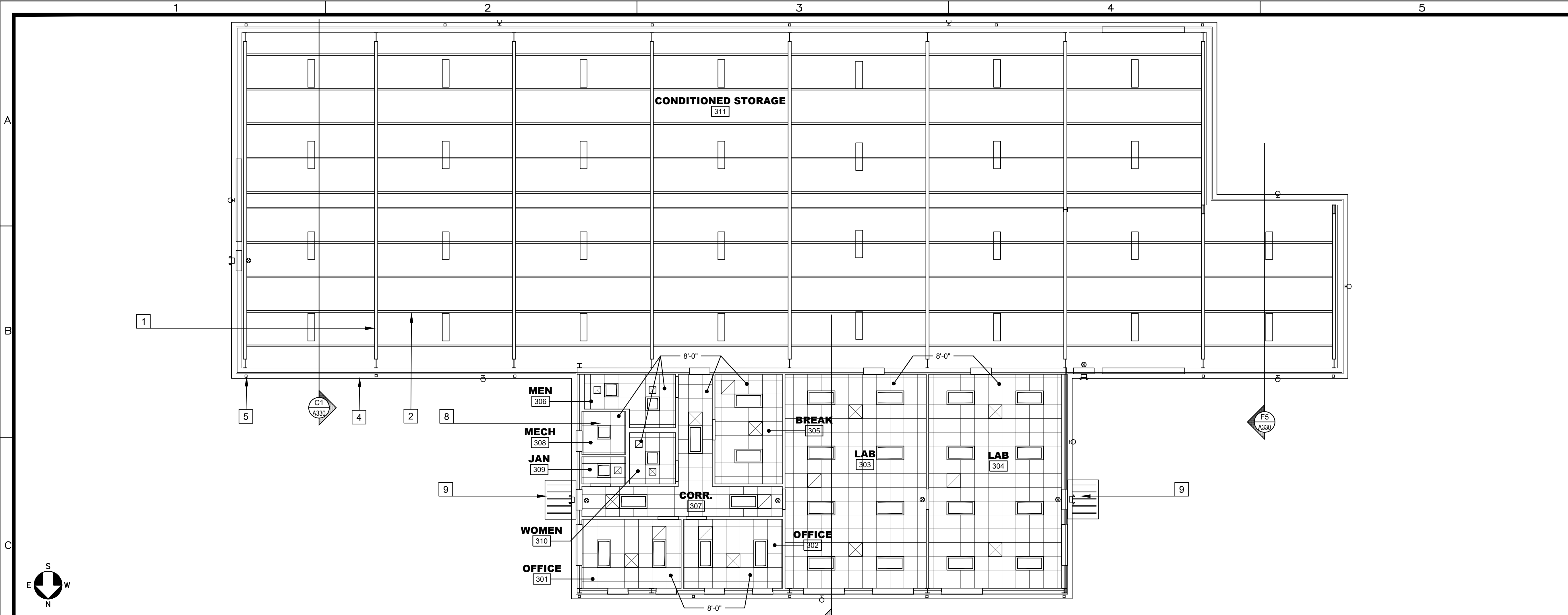
DEAN LEE RESEARCH AND EXTENSION CENTER

LSU AG CENTER, ALEXANDRIA, LOUISIANA SITE CODE: 6-40-023 SITE ID: MULTIPLE

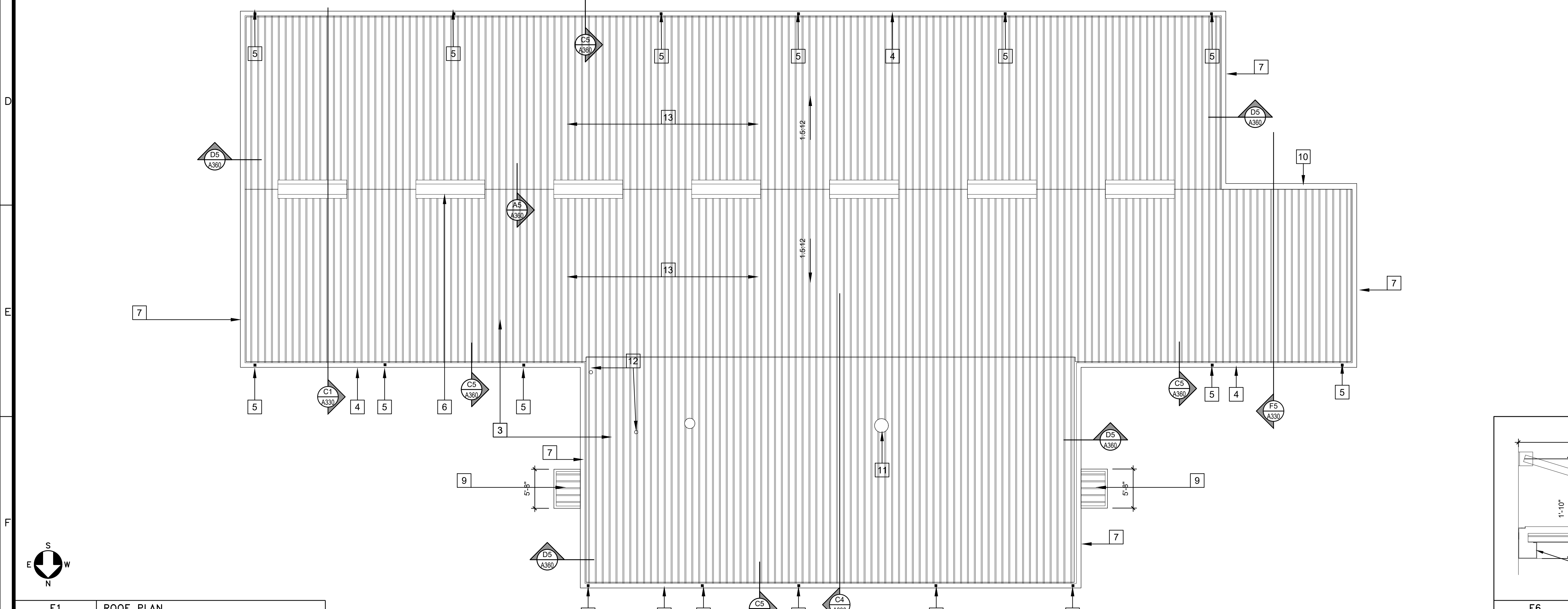
PROJECT NO: 21011
 DRAWN: AJG
 CHECKED: AJG
 DATE: 06.16.25
 LAST REV: 09.04.25

A310

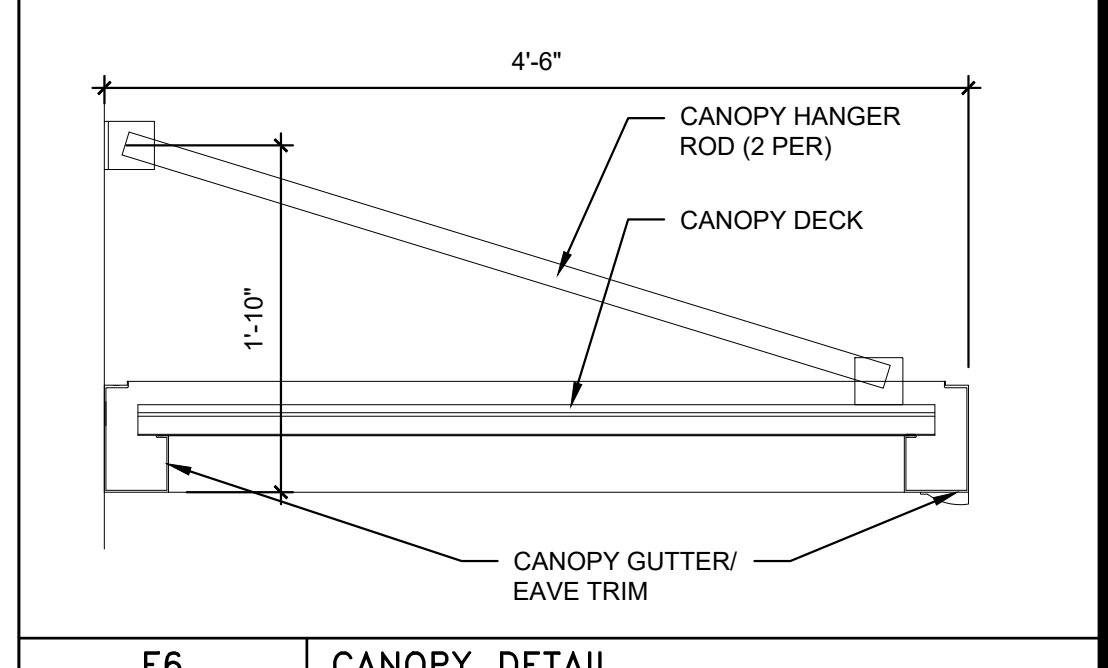
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C1 REFLECTED CEILING PLAN
1/8" = 1'-0"




F1 ROOF PLAN
1/8" = 1'-0"



F6 CANOPY DETAIL
1" = 1'-0"

- KEYED NOTES:**
- METAL BUILDING RIGID FRAME.
 - METAL BUILDING ROOF PURLINS.
 - PRE-FINISHED METAL BUILDING ROOF PANELS.
 - PRE-FINISHED METAL BUILDING GUTTER (7x5.5).
 - PRE-FINISHED METAL BUILDING DOWNSPOUT (3x4).
 - PRE-FINISHED METAL BUILDING RIDGE VENTILATORS.
 - PRE-FINISHED METAL BUILDING RAKE TRIM.
 - 2'X2' SUSPENDED ACOUSTICAL CEILING TILE AND GRID.
 - PRE-FINISHED METAL BUILDING ROD SUPPORTED ENTRY CANOPY - F6/A311
 - PRE-FINISHED METAL HIGH EAVE TRIM
 - MECHANICAL/PLUMBING ROOF PENETRATION (D2/A360) - SEE MECH. & PLUMB. DWGS. FOR ACTUAL NUMBER AND LOCATIONS
 - PIPE PENETRATION (F5/A360) - SEE MECH & PLUM DWGS. FOR ACTUAL # AND LOCATION
 - PRE-FIN. MTL. BLDG. ROOF PANELS

- RCP SYMBOL LEGEND:**
- NAME**
- NO. ROOM NAME AND NUMBER
 - MAT. CEILING MATERIAL AND HEIGHT
 - HEIGHT
- RECESSED FLUORESCENT LIGHT FIXTURE
 - SURFACE MOUNTED LIGHT FIXTURE
 - CAN LIGHT FIXTURE
 - WALL LIGHT FIXTURE
 - SUPPLY DIFFUSER
 - RETURN DIFFUSER
 - EXHAUST DIFFUSER
 - EXIT LIGHT
 - EMERGENCY LIGHT


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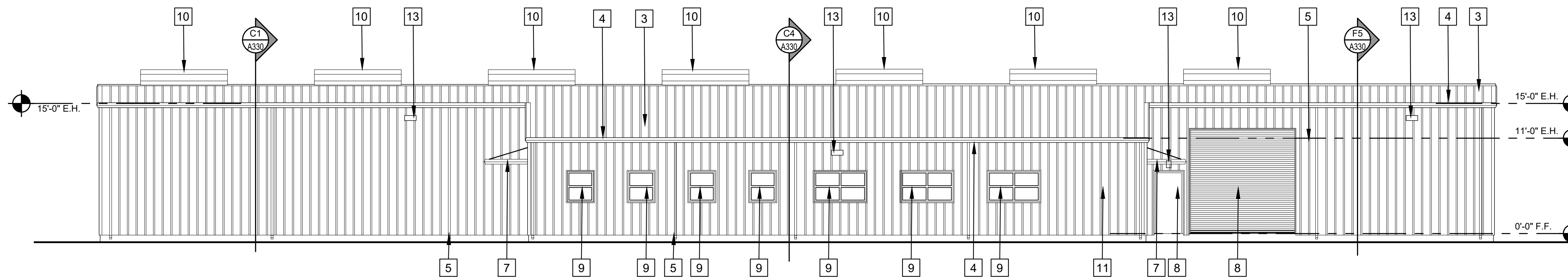


21011 TORNADO DAMAGE BUILDING REPAIRS & RECONSTRUCTION
DEAN LEE RESEARCH AND EXTENSION CENTER
 LSU AG CENTER, ALEXANDRIA, LOUISIANA SITE CODE: 6-40-023 SITE ID: MULTIPLE
 PROJECT NO: 19-607-21-01, F:19002617

PROJECT NO:
 DRAWN: AJG
 CHECKED: AJG
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 LAST REV: 08.19.25

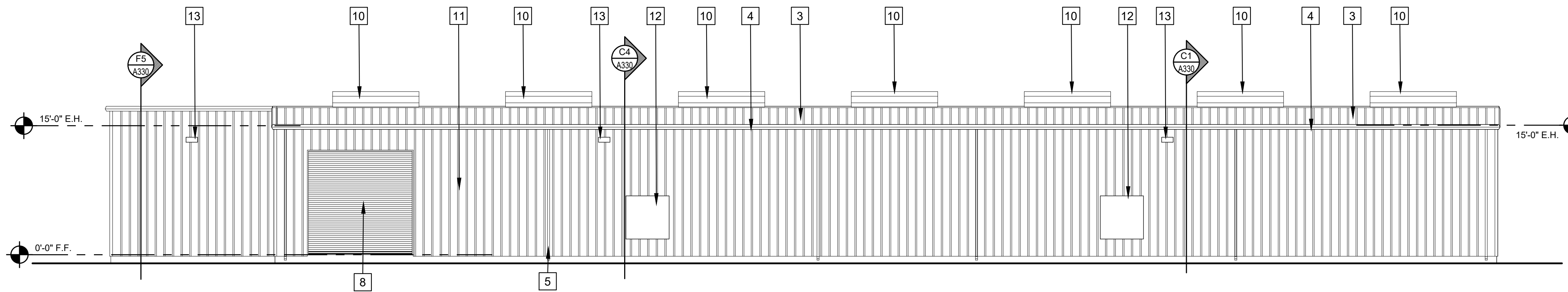
A311

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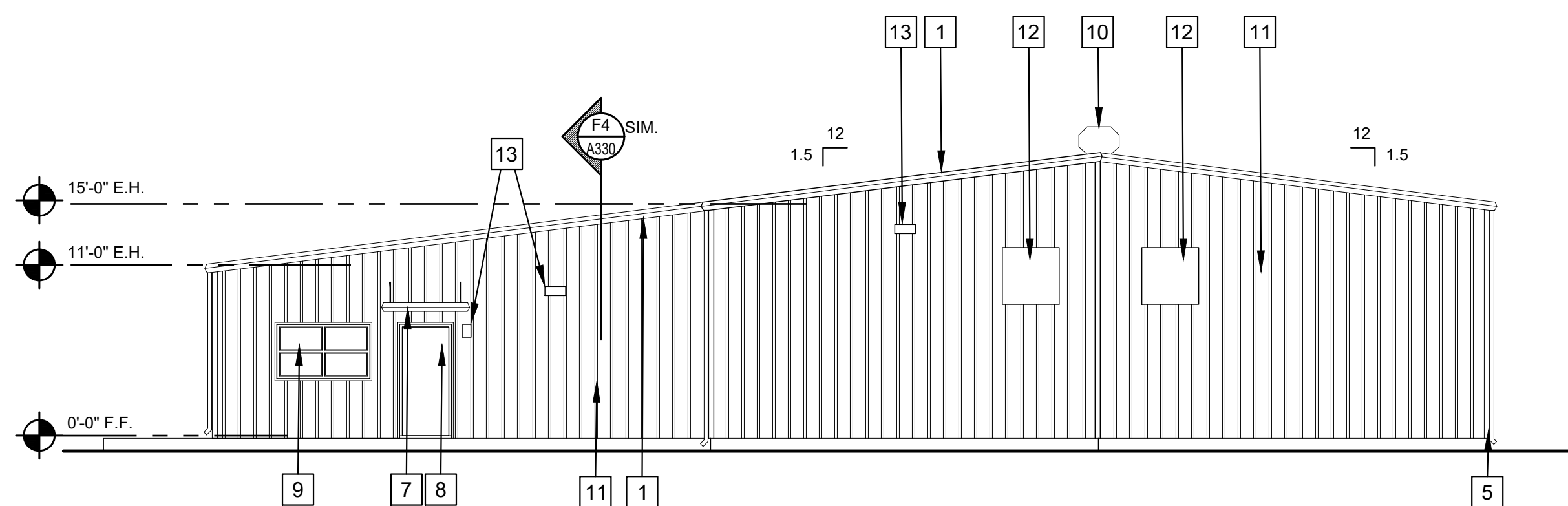
B1 NORTH EXTERIOR ELEVATION

1/8" = 1'-0"



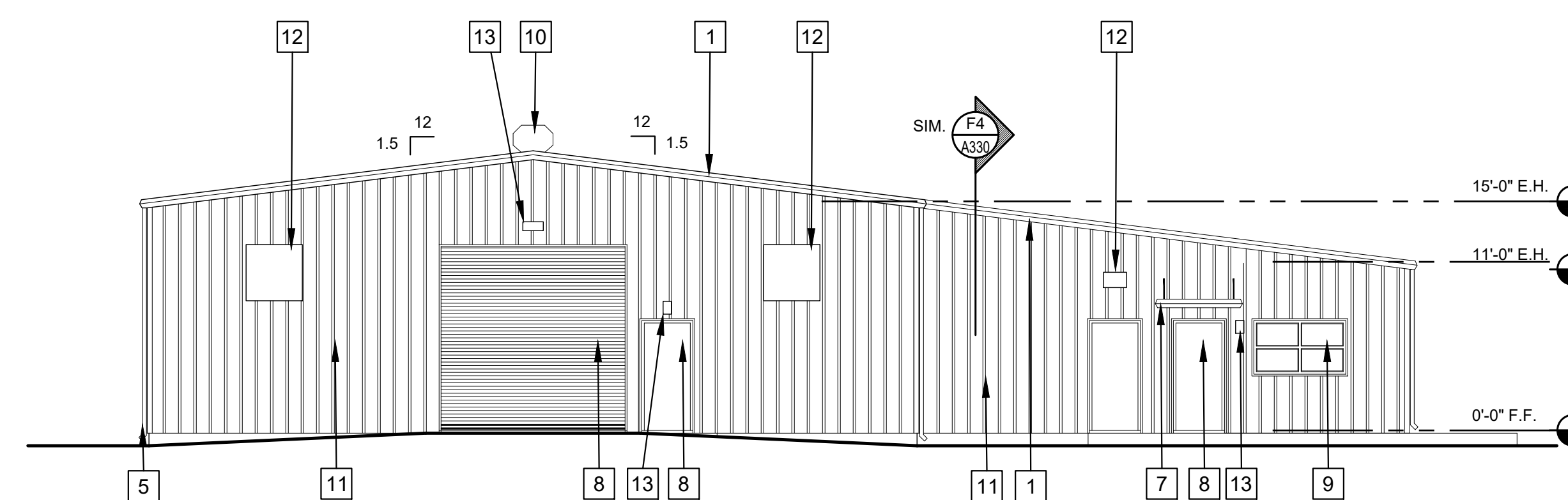
D1 SOUTH EXTERIOR ELEVATION

1/8" = 1'-0"



F1 WEST EXTERIOR ELEVATION

1/8" = 1'-0"

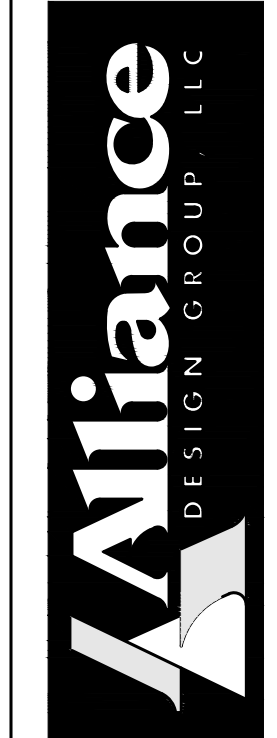


F3 EAST EXTERIOR ELEVATION

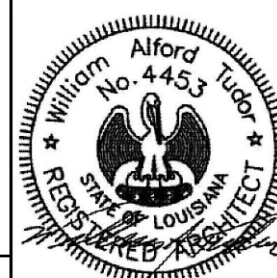
1/8" = 1'-0"

KEYED NOTES:

1. PRE-FINISHED METAL BUILDING RAKE TRIM.
2. PRE-FINISHED METAL BUILDING RIDGE VENT.
3. PRE-FINISHED METAL BUILDING ROOFING PANELS.
4. PRE-FINISHED METAL BUILDING GUTTER.
5. PRE-FINISHED METAL BUILDING DOWNSPOUT.
6. NOTE NOT USED.
7. PRE-FINISHED METAL CANOPY.
8. DOOR, AS SCHEDULED.
9. WINDOW, AS SCHEDULED.
10. PRE-FINISHED RIDGE VENTILATOR.
11. PRE-FINISHED METAL BUILDING WALL PANELS.
12. MECHANICAL DEVICE - SEE MECH DWGS
13. LIGHT - SEE ELECTRICAL DWGS



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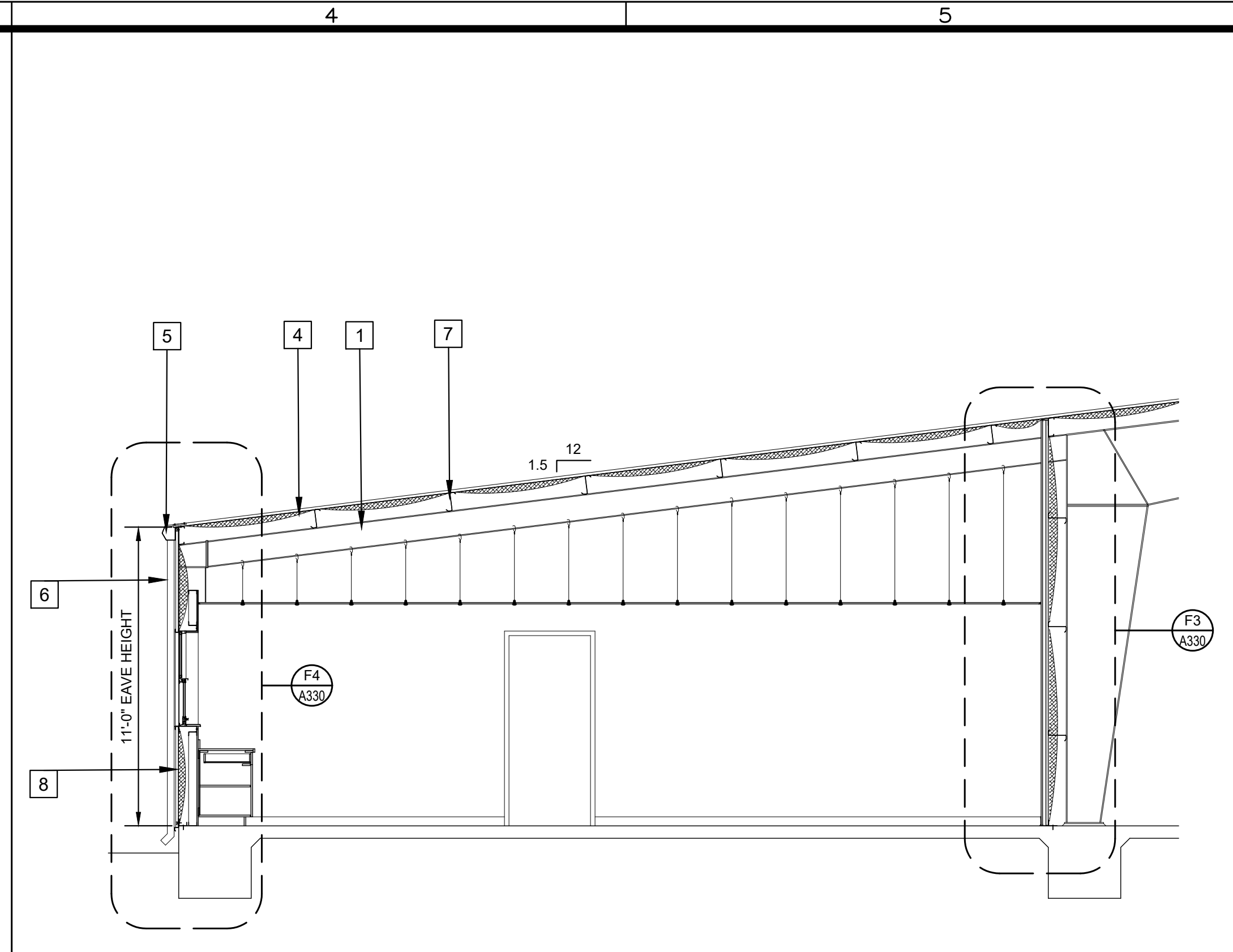
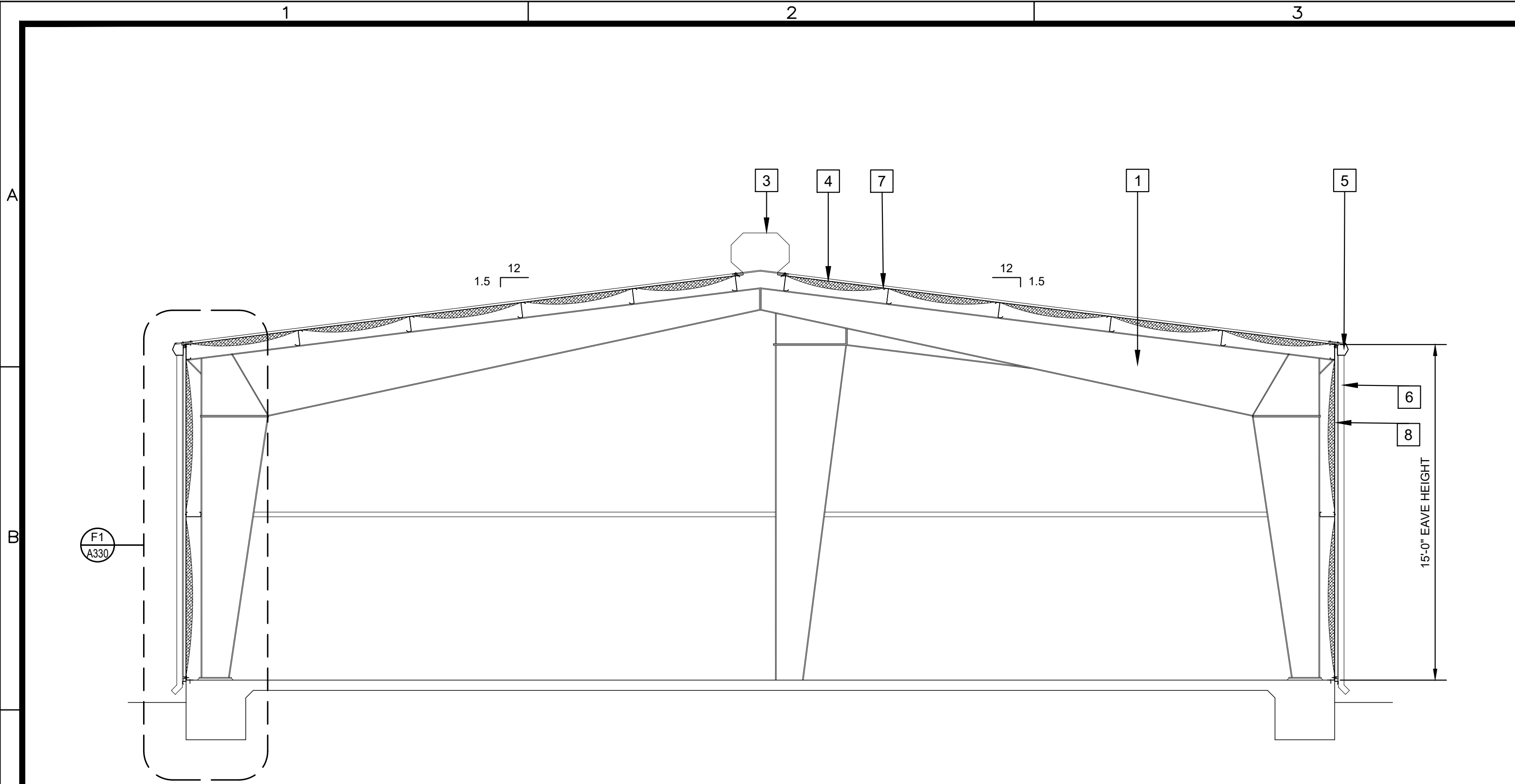


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 LSU AG CENTER, ALEXANDRIA, LOUISIANA SITE CODE: 6-40-023 SITE ID: MULTIPLE
 PROJECT NO: 19-607-21-01, F:19002617

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 LAST REV:

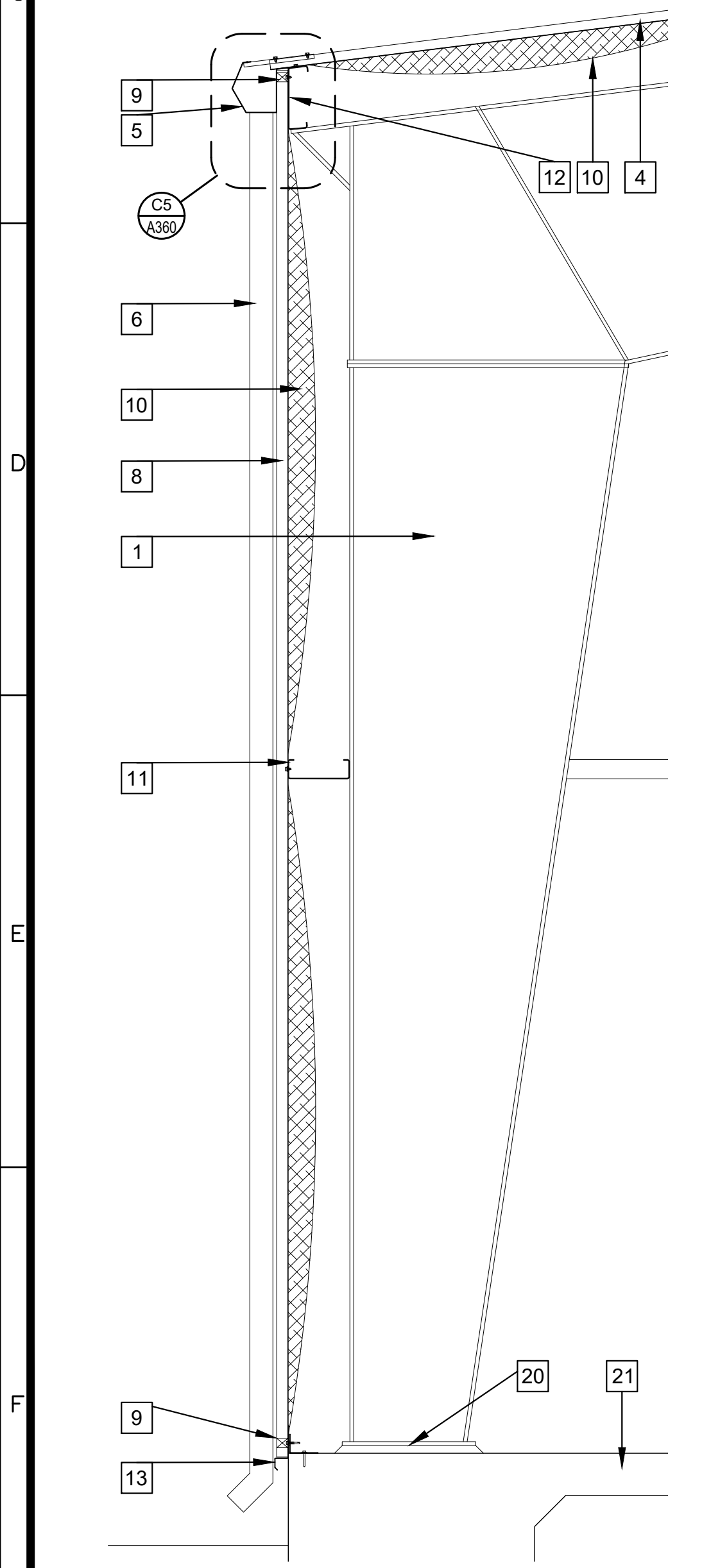


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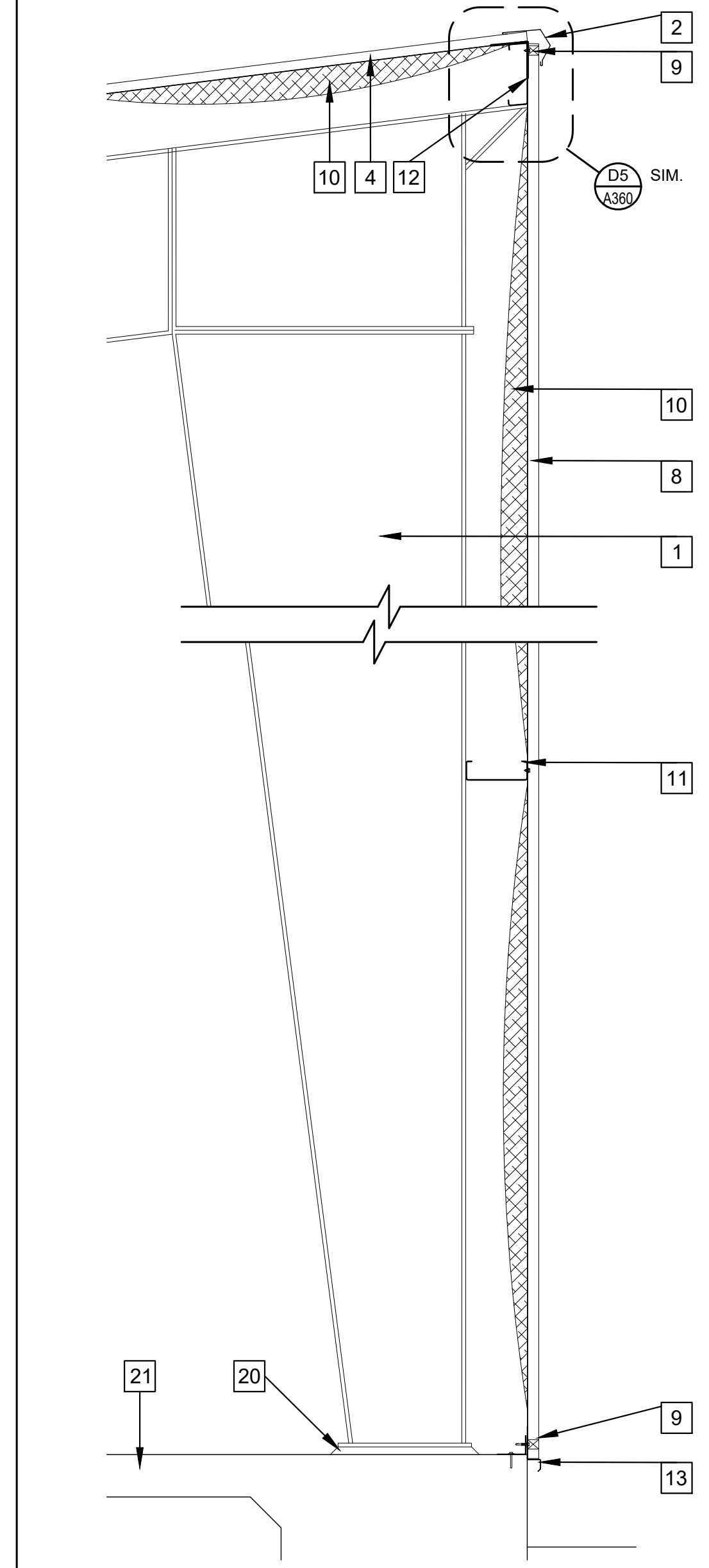


- KEYED NOTES:**
- METAL BUILDING RIGID FRAME.
 - PRE-FINISHED METAL BUILDING RAKE TRIM.
 - PRE-FINISHED METAL BUILDING RIDGE VENT.
 - PRE-FINISHED METAL BUILDING ROOFING PANELS.
 - PRE-FINISHED METAL BUILDING GUTTER.
 - PRE-FINISHED METAL BUILDING DOWNSPOUT.
 - METAL BUILDING ROOF PURLINS.
 - PRE-FINISHED METAL WALL PANELS.
 - CLOSURE STRIP.
 - DOUBLE LAYER LINER SYSTEM METAL BUILDING INSULATION W/ THERMAL BLOCKS.
 - METAL BUILDING GIRT.
 - METAL BUILDING EAVE STRUT.
 - METAL BUILDING BASE ANGLE.
 - CEILING, AS SCHEDULED.
 - 3 5/8" METAL STUDS AT 16" ON CENTER.
 - 5/8" GYPSUM BOARD.
 - 1/2" SHEATHING.
 - R-13 THERMAL BATT INSULATION.
 - 7/8" HAT CHANNELS @ 16" C/C
 - BASE PLATE ON 1" GROUT BED - DRILL & EPOXY 4) 3/4" ANCHOR BOLTS MIN. 15' EMB. INTO EXIST. SLAB
 - EXIST. CONC. SLAB AND FOUNDATION
 - 2 1/2" C-H STUDS @ 16" C/C
 - 1" GYP. LINER PANEL
 - EXTEND RATED PARTITION TO WITHIN 1" OF ROOF PANEL ABOVE (COMPRESS INSULATION)
 - FIRE CAULK ALONG PERIM.
 - BASE - SEE R.F.S.

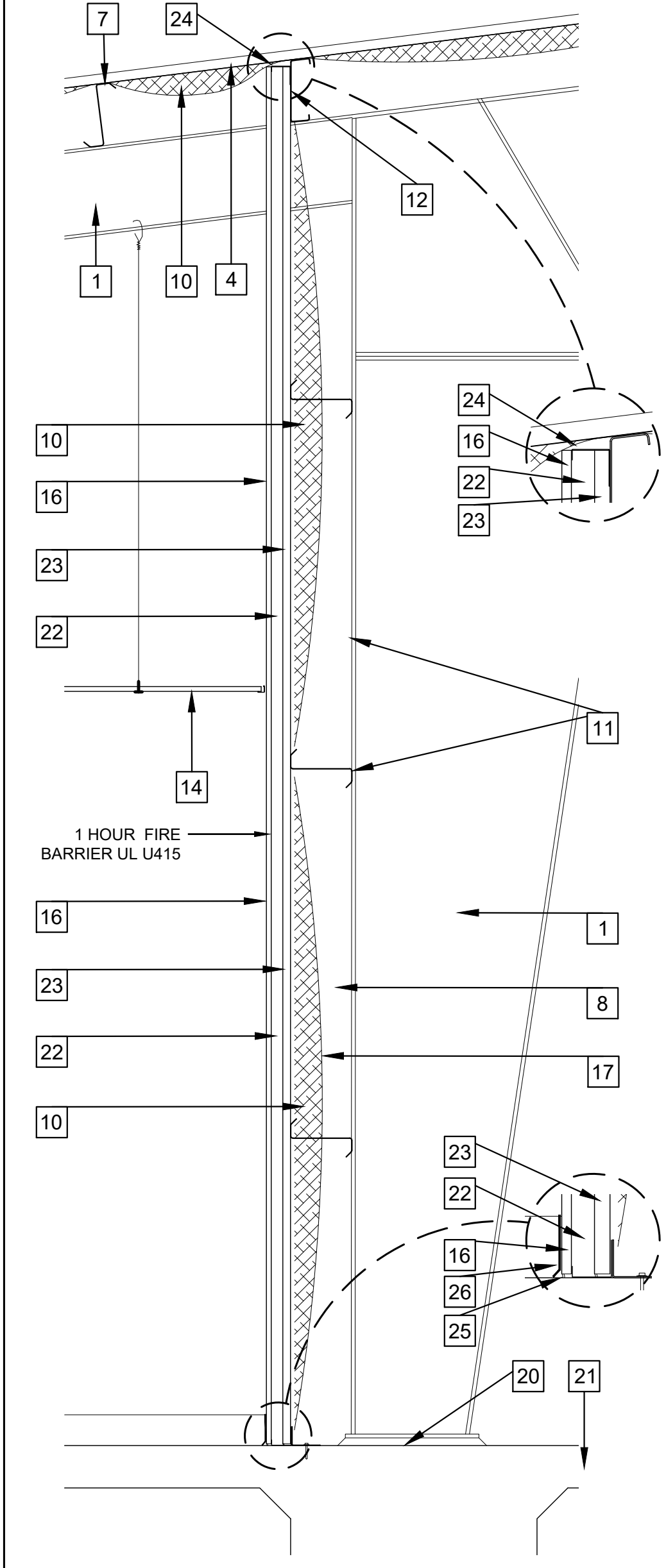
C1 BUILDING SECTION
1/4" = 1'-0"



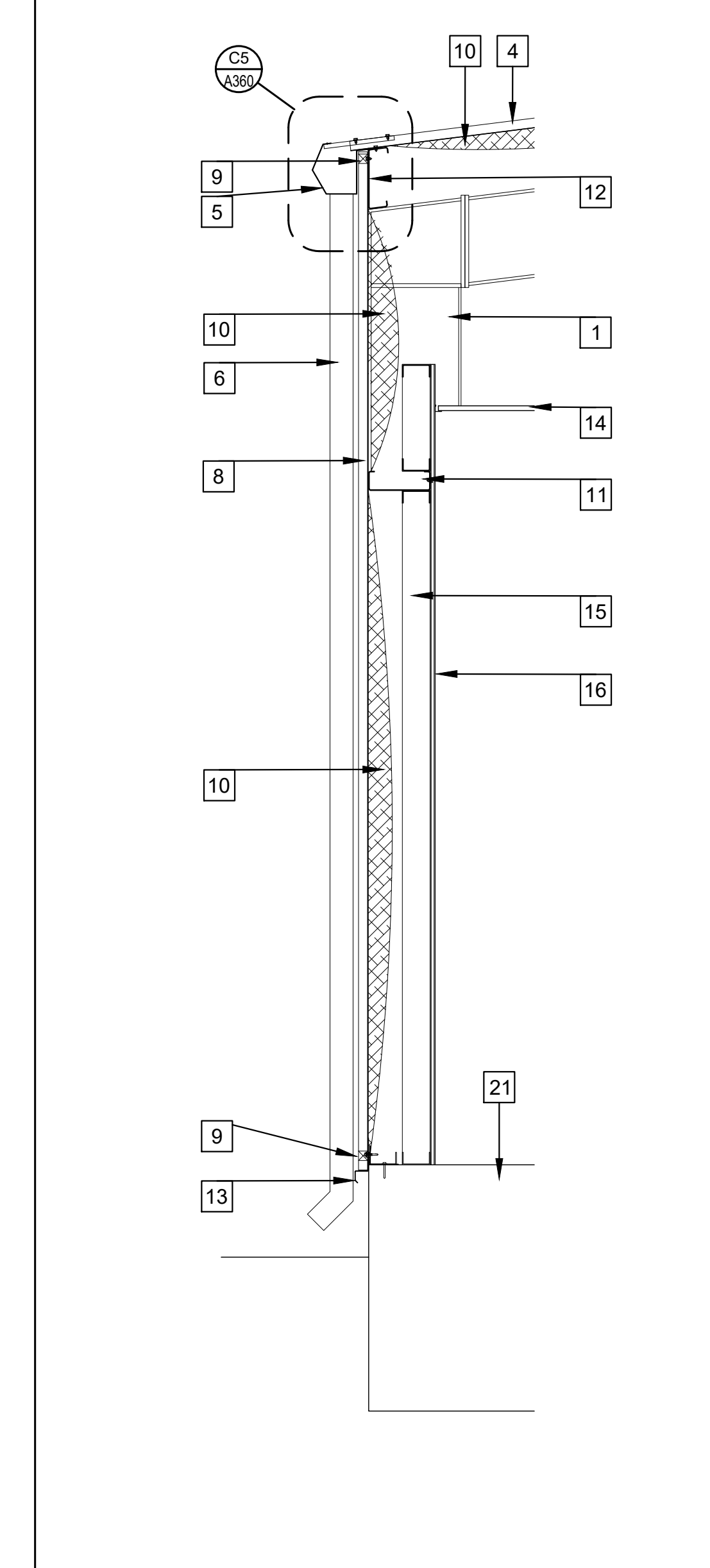
F1 WALL SECTION
3/4" = 1'-0"



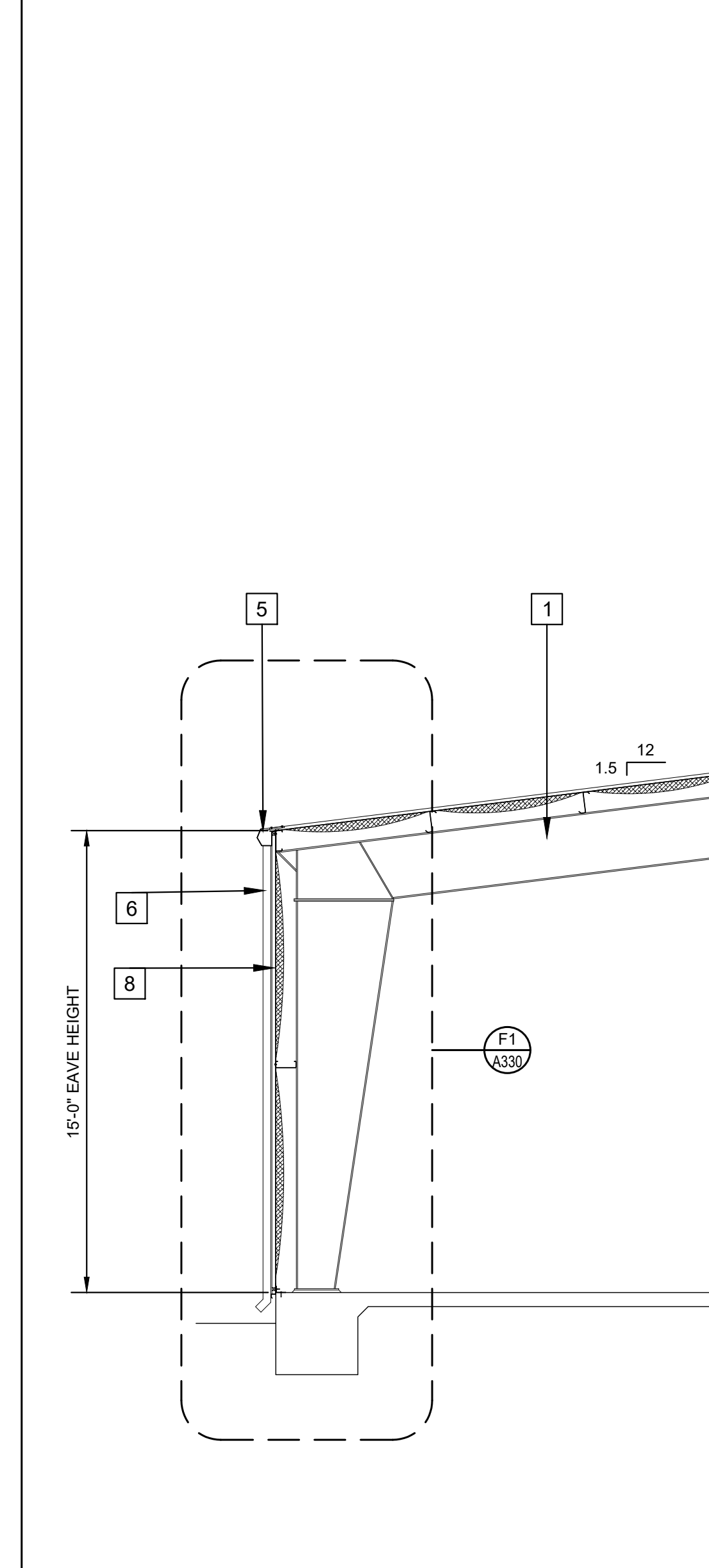
F2 WALL SECTION
3/4" = 1'-0"



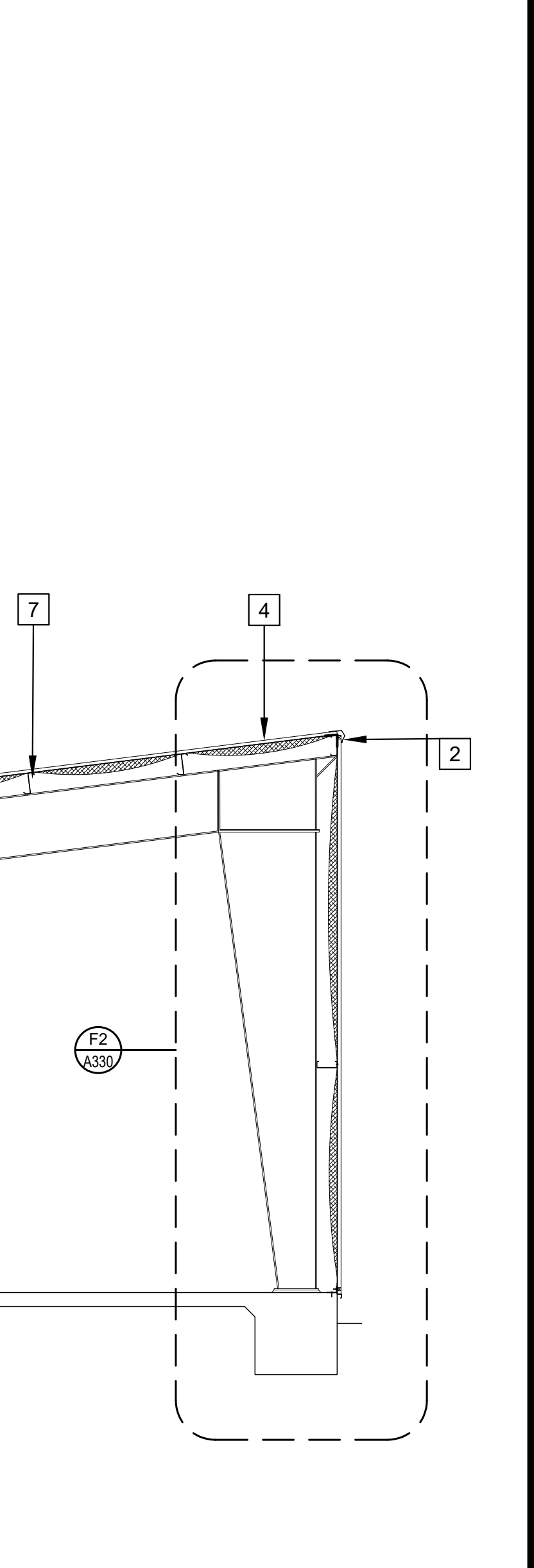
C4 BUILDING SECTION
1/4" = 1'-0"



F4 WALL SECTION
3/4" = 1'-0"



F5 BUILDING SECTION
1/4" = 1'-0"



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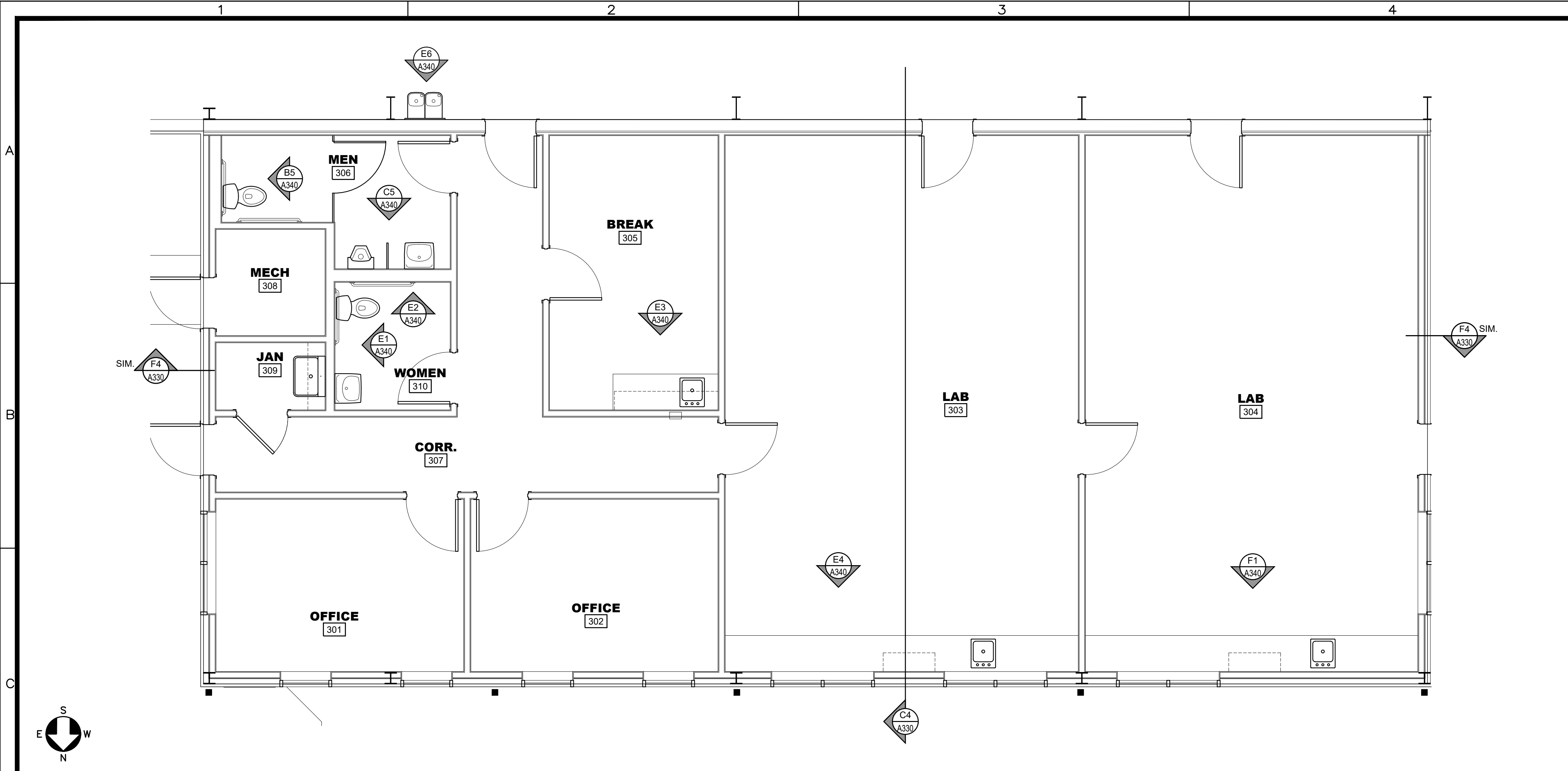
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21011 TORNADO DAMAGE BUILDING REPAIRS & RECONSTRUCTION
DEAN LEE RESEARCH AND EXTENSION CENTER
 LSU AG CENTER, ALEXANDRIA, LOUISIANA SITE CODE: 6-40-023 SITE ID: MULTIPLE
 PROJECT NO: 19-607-21-01, F:190002617

PROJECT NO:
DRAWN: AJG
CHECKED: AJG
DATE: 06.16.25
LAST REV: 09.04.25

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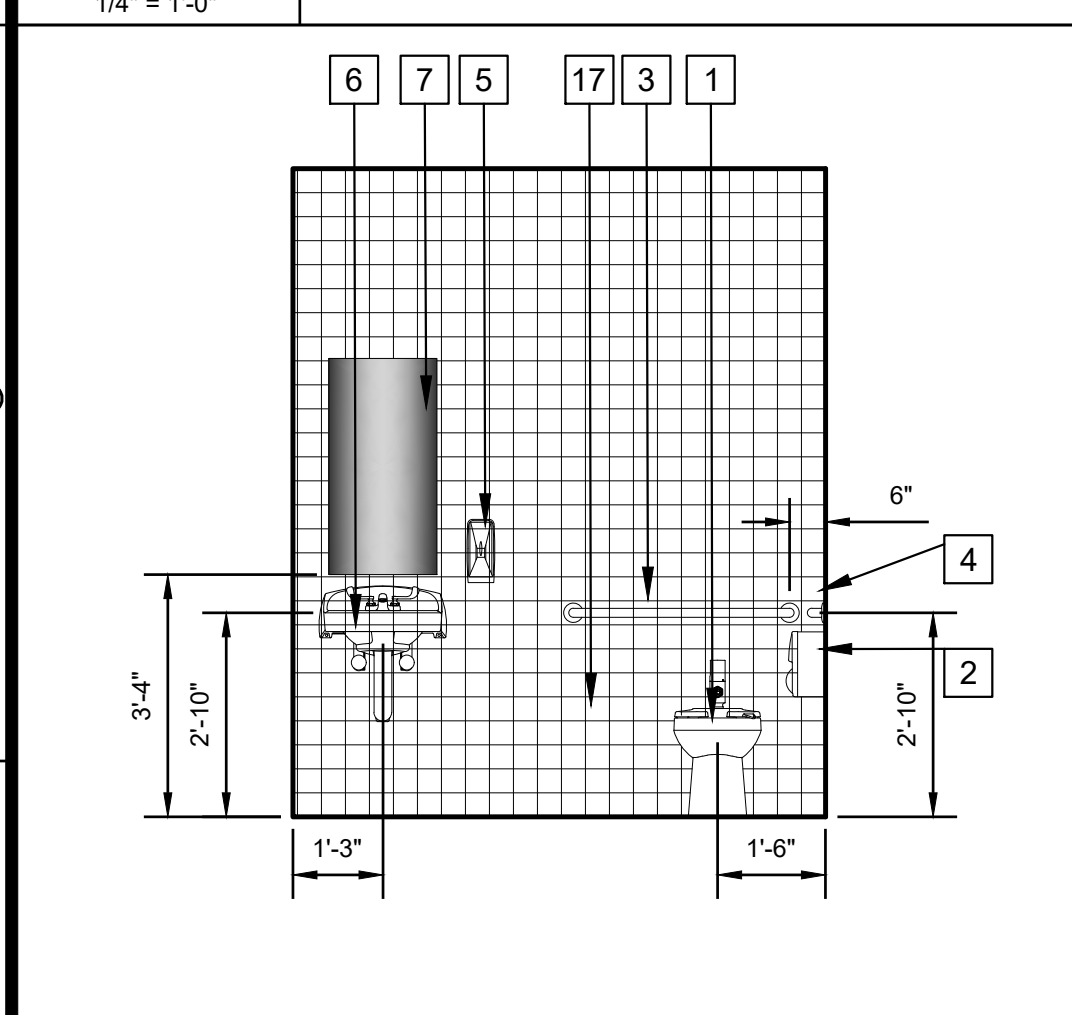
BATHROOM ACCESSORIES SCHEDULE			
MARK	DESCRIPTION	MOUNTING	BRADLEY PRODUCT #
A	TOILET TISSUE DISPENSER	SURFACE	5402
B	PAPER TOWEL DISPENSER	SURFACE	252
C	GRAB BAR	SURFACE	812
D	MIRROR	SURFACE	781
E	SOAP DISPENSER	SURFACE	6562

ALTERNATE BATHROOM ACCESSORIES SCHEDULE			
MARK	DESCRIPTION	MOUNTING	BOBRICK PRODUCT #
A	TOILET TISSUE DISPENSER	SURFACE	B-2888
B	PAPER TOWELWASTE	SURFACE	B-3949
C	GRAB BAR	SURFACE	B-5806
D	MIRROR	SURFACE	B-290
E	SOAP DISPENSER	SURFACE	B-211

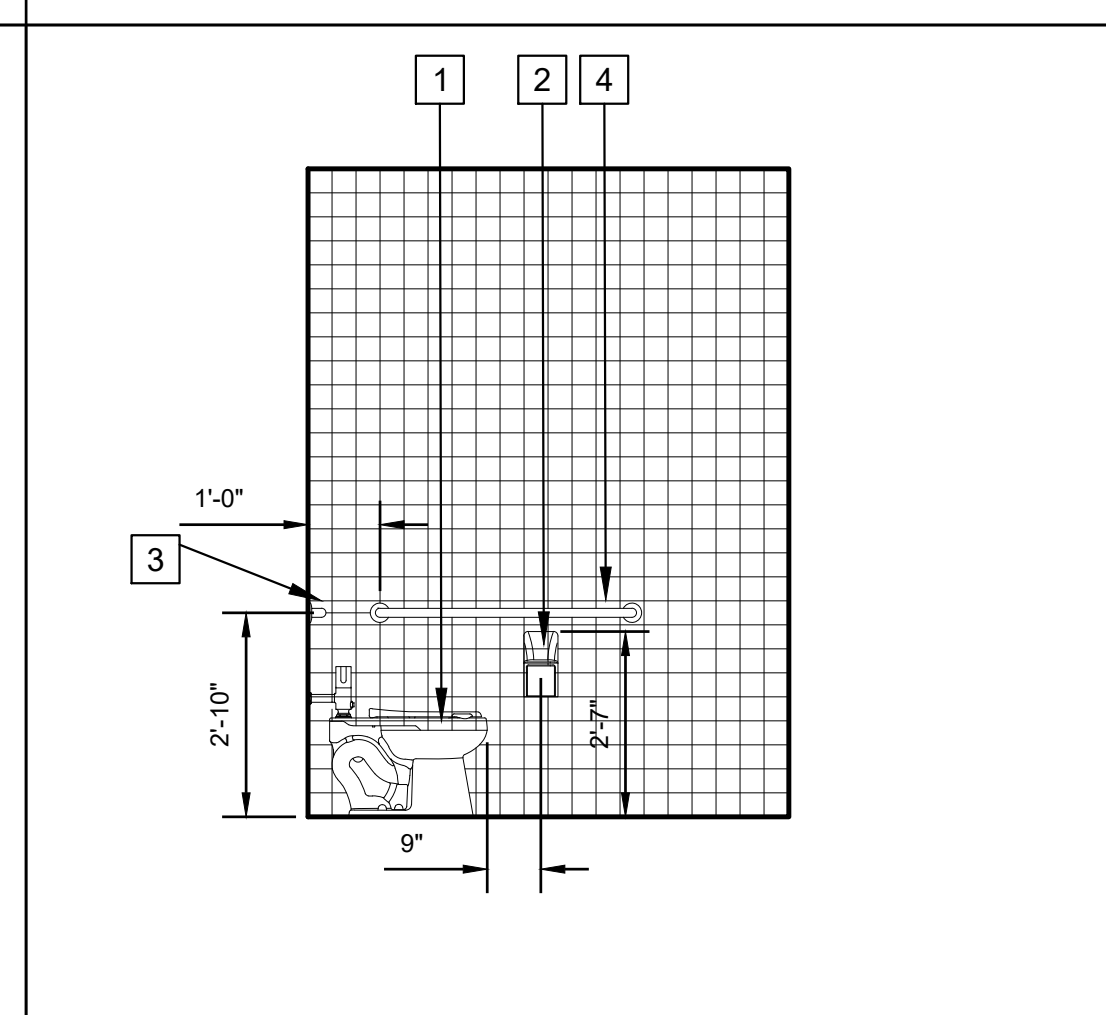
ALTERNATE BATHROOM ACCESSORIES SCHEDULE			
MARK	DESCRIPTION	MOUNTING	ASI PRODUCT #
A	TOILET TISSUE DISPENSER	SURFACE	0030
B	PAPER TOWELWASTE	SURFACE	0469-9
C	GRAB BAR	SURFACE	3700
D	MIRROR	SURFACE	0600
E	SOAP DISPENSER	SURFACE	0347

- KEYED NOTES:**
1. TOILET, SEE PLUMBING.
 2. TOILET PAPER DISPENSER.
 3. 36" LONG x 1.5"Ø GRAB BAR.
 4. 42" LONG x 1.5"Ø GRAB BAR.
 5. SOAP DISPENSER.
 6. LAVATORY, SEE PLUMBING. PROVIDE INSULATED WRAPPING ON SUPPLY AND DRAIN PIPES.
 7. 18"x36" MIRROR.
 8. BASE AS SCHEDULED.
 9. PLASTIC LAMINATE CLAD WALL CABINETS.
 10. PLASTIC LAMINATE CLAD BASE CABINETS.
 11. PLASTIC LAMINATE CLAD COUNTERTOP.
 12. TOILET PARTITIONS, SEE SPECS.
 13. URINAL, SEE PLUMBING.
 14. PAINTED GYPSUM BOARD.
 15. SINK.
 16. WINDOW, AS SCHEDULED.
 17. CERAMIC TILE.
 18. FILLER PANEL.
 19. BI-LEVEL DRINKING FOUNTAIN W/ BOTTLE FILLER

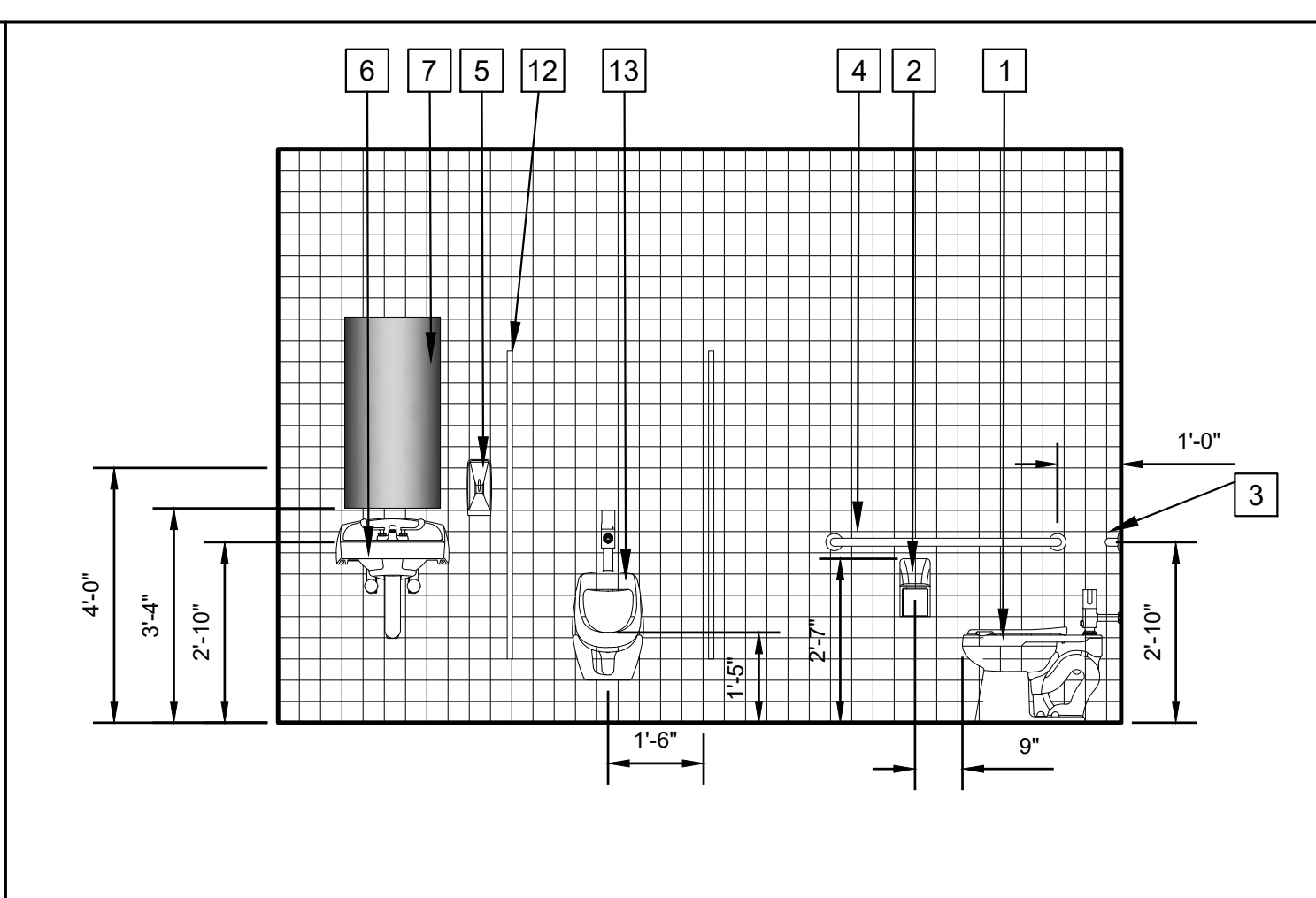
C1 ENLARGED PARTIAL FLOOR PLAN
1/4" = 1'-0"



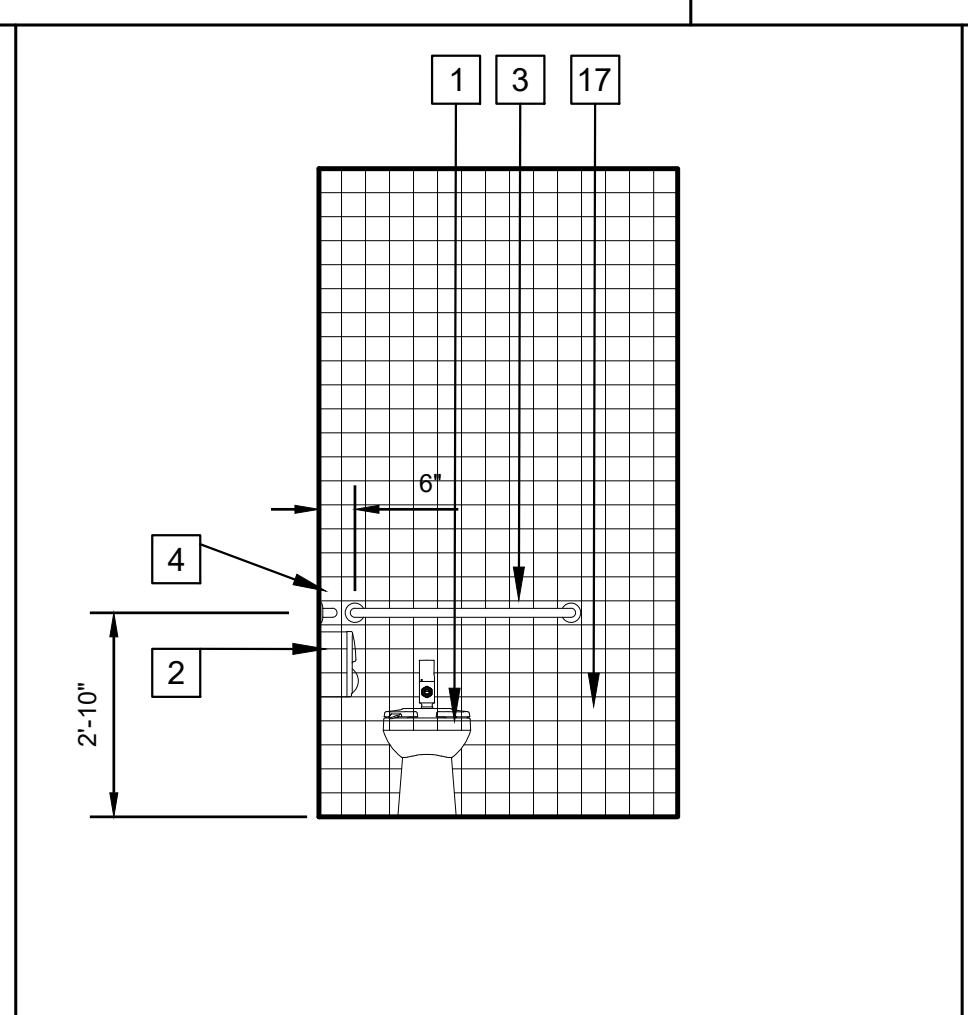
E1 INTERIOR ELEVATION
3/8" = 1'-0"



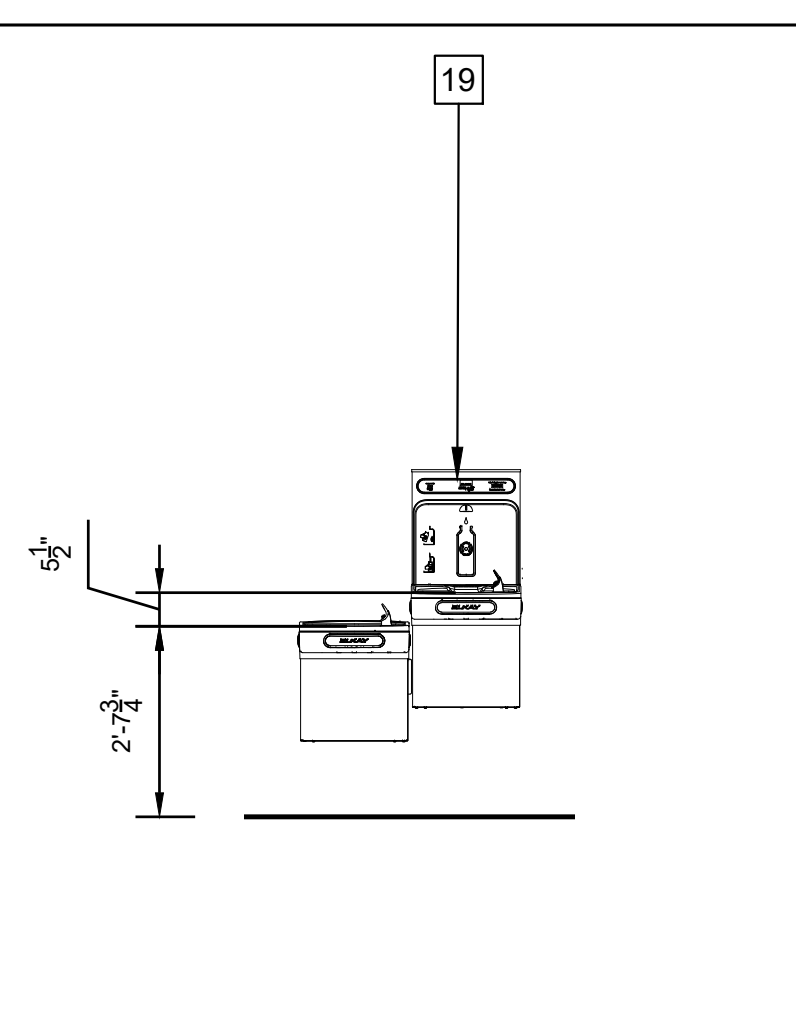
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3/8" = 1'-0"



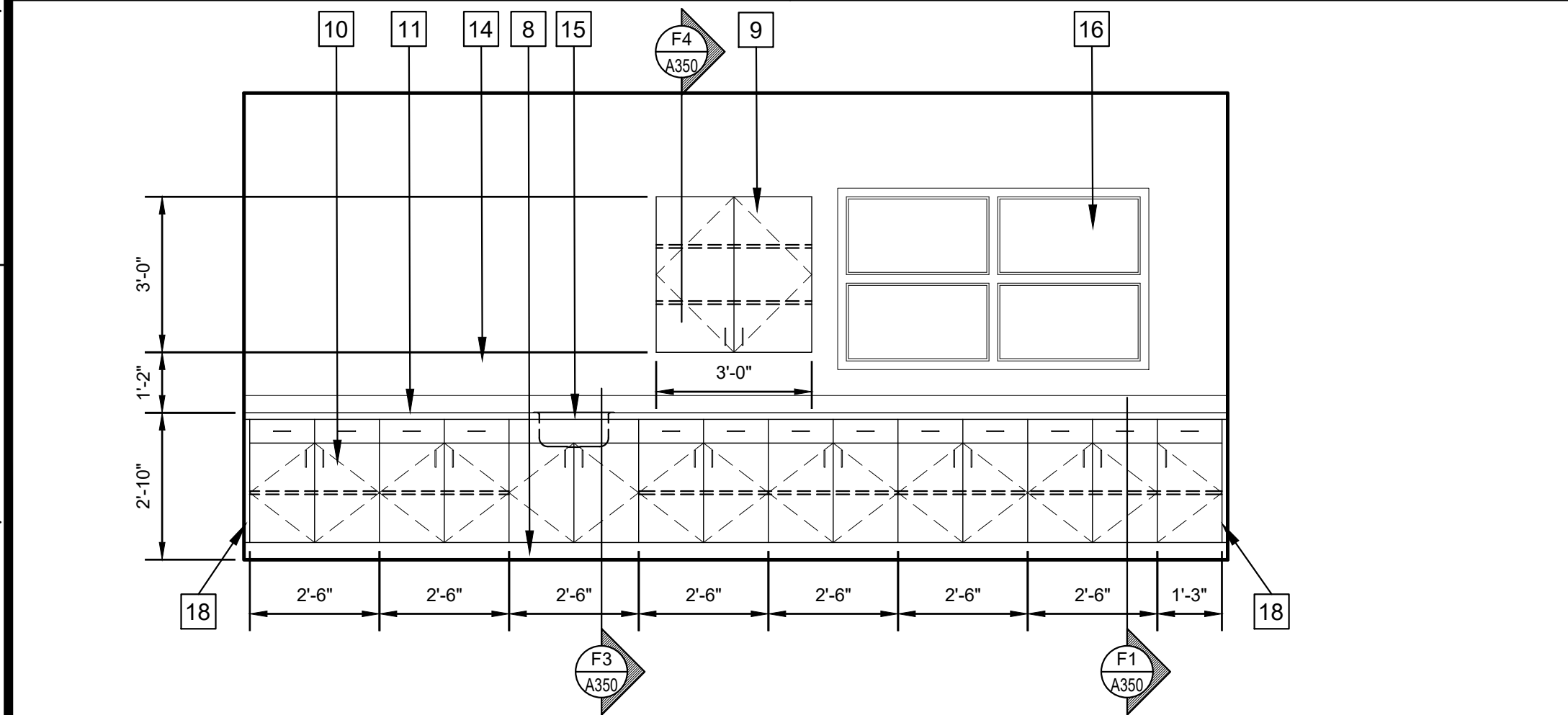
C5 INTERIOR ELEVATION
3/8" = 1'-0"



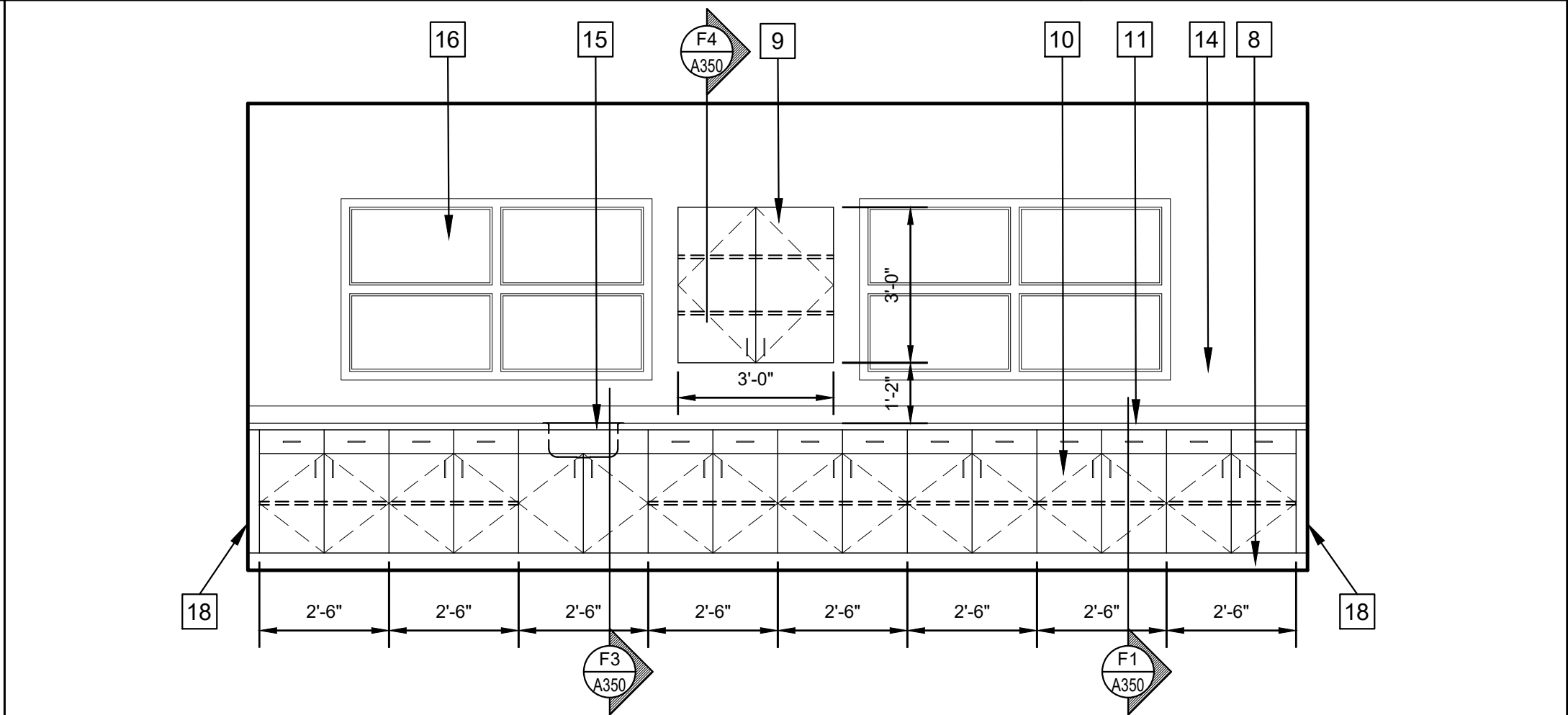
B5 INTERIOR ELEVATION
3/8" = 1'-0"



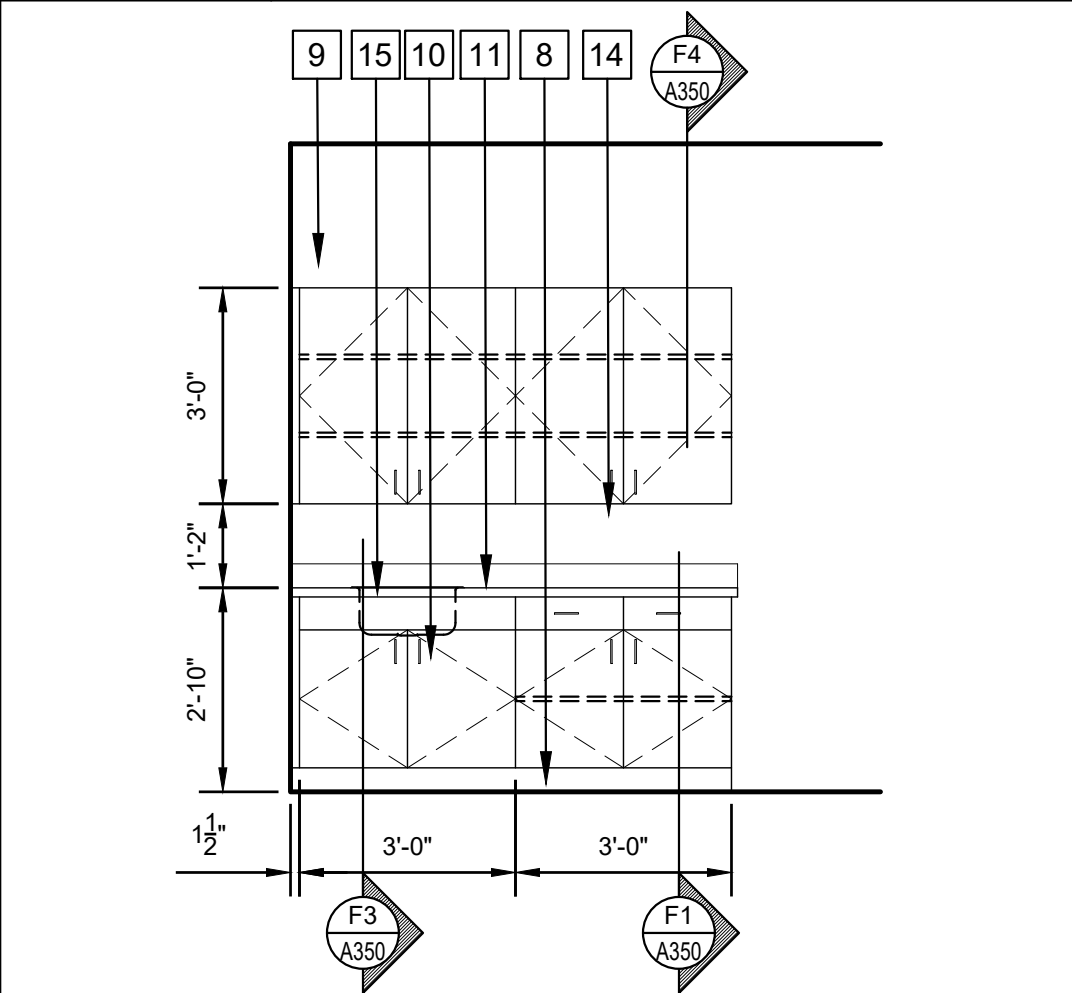
E6 INTERIOR ELEVATION
3/8" = 1'-0"



F1 INTERIOR ELEVATION
3/8" = 1'-0"



E4 INTERIOR ELEVATION
3/8" = 1'-0"



E3 INTERIOR ELEVATION
3/8" = 1'-0"

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PROJECT NO: 210111
 DRAWN: AJG
 CHECKED: AJG
 DATE: 06.16.25
 LAST REV: 09.04.25

A340
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TORNADO DAMAGE BUILDING REPAIRS & RECONSTRUCTION
DEAN LEE RESEARCH AND EXTENSION CENTER
 LSU AG CENTER, ALEXANDRIA, LOUISIANA SITE CODE: 6-40-023 SITE ID: MULTIPLE
 PROJECT NO: 19-607-21-01, F.190002617

ROOM FINISH SCHEDULE

NO	NAME	FLOOR	BASE	WALLS								CEILING			REMARKS
				NORTH		EAST		SOUTH		WEST		MAT	FIN	HT	
				MAT	FIN	MAT	FIN	MAT	FIN	MAT	FIN				
301	OFFICE	VCT-1	VB-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	AP-1	--	8'-0"	1
302	OFFICE	VCT-1	VB-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	AP-1	--	8'-0"	1
303	LAB	VCT-1	VB-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	AP-1	--	8'-0"	1
304	LAB	VCT-1	VB-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	AP-1	--	8'-0"	1
305	BREAK ROOM	VCT-1	VB-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	AP-1	--	8'-0"	1
306	MEN	CT-1	CT-1	GWB	CT-2	GWB	CT-2	GWB	CT-2	GWB	CT-2	AP-2	--	8'-0"	1
307	CORRIDOR	VCT-1	VB-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	AP-1	--	8'-0"	
308	MECHANICAL	CONC-2	VB-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	GWB	PT-1	STRUCTURE	--	--	
309	JANITOR	VCT-1	VB-1	GWB	FRP-1	GWB	FRP-1	GWB	FRP-1	GWB	FRP-1	AP-2	--	8'-0"	1
310	WOMEN	CT-1	CT-1	GWB	CT-2	GWB	CT-2	GWB	CT-2	GWB	CT-2	AP-2	--	8'-0"	1
311	CONDITIONED STORAGE	CONC-2	--	MWP	--	MWP	--	MWP	--	MWP	--	STRUCTURE	--	--	

REMARKS:
1. PROVIDE ROOM SIGN ADHERE TO ADA REQUIREMENTS

FINISH LEGEND:

PAINT:
PT-1 (WALL PAINT)
MANUF: T.B.D.
COLOR: T.B.D.
FINISH: SATIN
PT-2 (CEILING PAINT)
MANUF: T.B.D.
COLOR: T.B.D.
FINISH: FLAT
PT-3 (DOOR PAINT)
MANUF: T.B.D.
COLOR: T.B.D.
FINISH: SEMIGLOSS
PT-4 (FRAME PAINT)
MANUF: T.B.D.
COLOR: T.B.D.
FINISH: SEMIGLOSS
PT-5 (TRIM PAINT)
MANUF: T.B.D.
COLOR: T.B.D.
FINISH: SEMIGLOSS

VINYL TILE:
VCT-1
MANUF: T.B.D.
COLOR: T.B.D.
SIZE: 12"x12"

BASE:
VB-1 (VINYL BASE)
MANUF: T.B.D.
COLOR: T.B.D.
STYLE: 4" COVE

CERAMIC TILE:
CT-1 (FLOOR)
MANUF: T.B.D.
COLOR: T.B.D.
SIZE: 2x2
BASE: 4" COVE
CT-2 (WALL)
MANUF: T.B.D.
COLOR: T.B.D.
SIZE: 6x6

CONCRETE SEALER:
CONC-2
MANUF: T.B.D.

FIBERGLASS PANEL:
FRP-1
MANUF: T.B.D.
STYLE: T.B.D.
COLOR: T.B.D.

PLASTIC LAMINATE:
PL-1 (COUNTERTOPS)
MANUF: T.B.D.
COLOR: T.B.D.
PL-2 (CABINETS)
MANUF: T.B.D.
COLOR: T.B.D.

ACOUSTICAL CEILING:
AP-1
MANUF: T.B.D.
STYLE: 2x2
PATTERN: FINE FISSURES
COLOR: WHITE
AP-2
MANUF: T.B.D.
STYLE: 2x2
PATTERN: ARMATUFF
COLOR: WHITE

WINDOW SCHEDULE

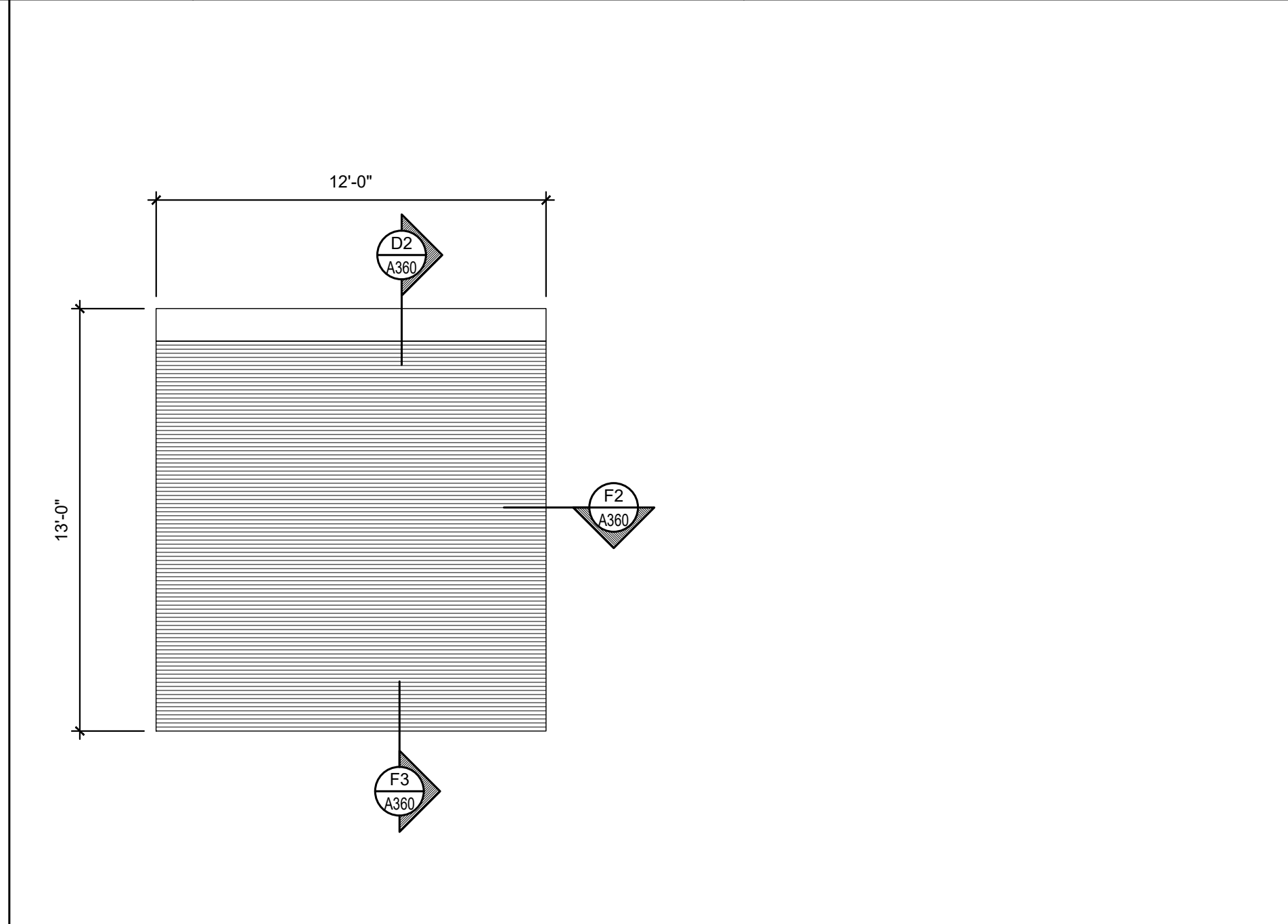
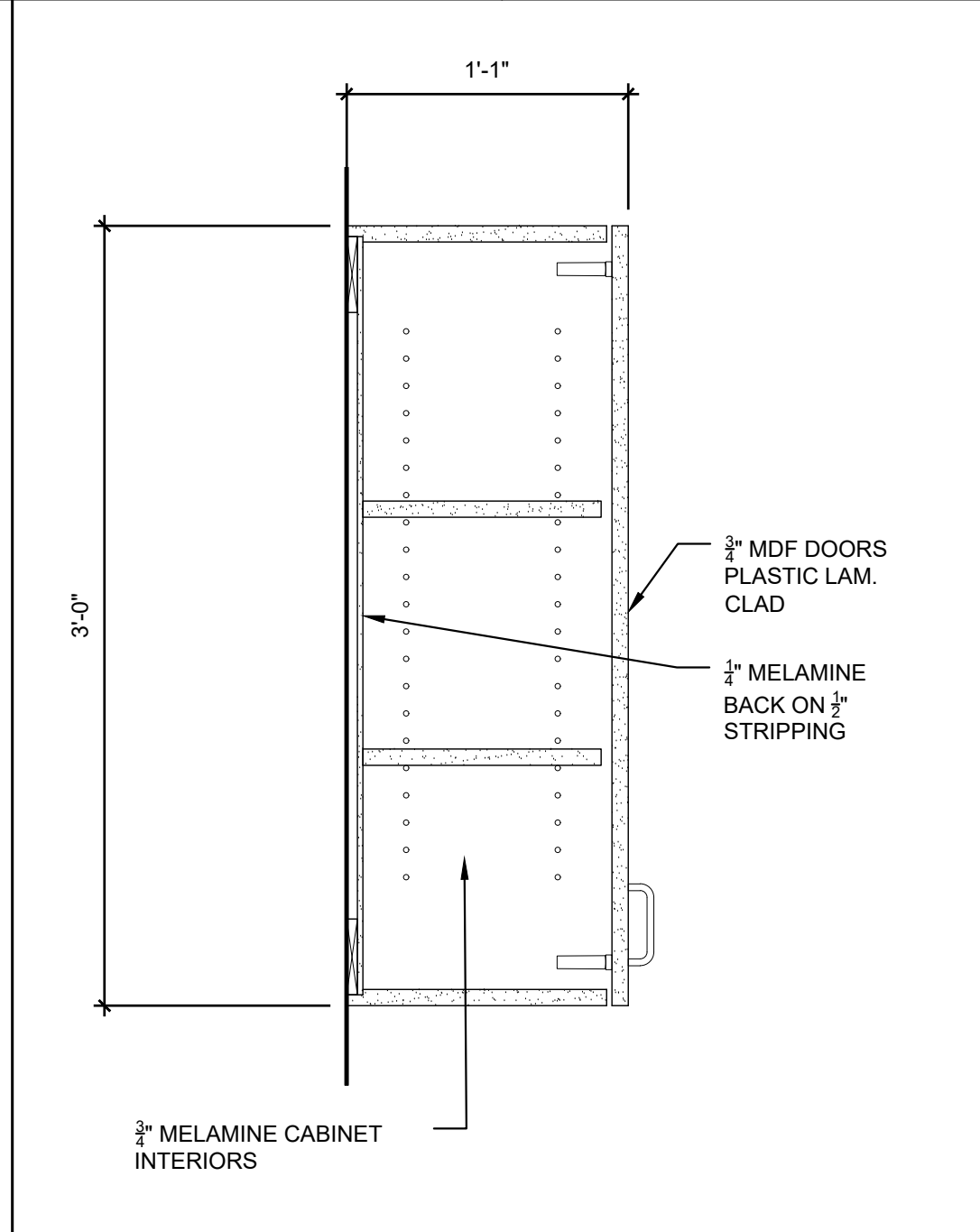
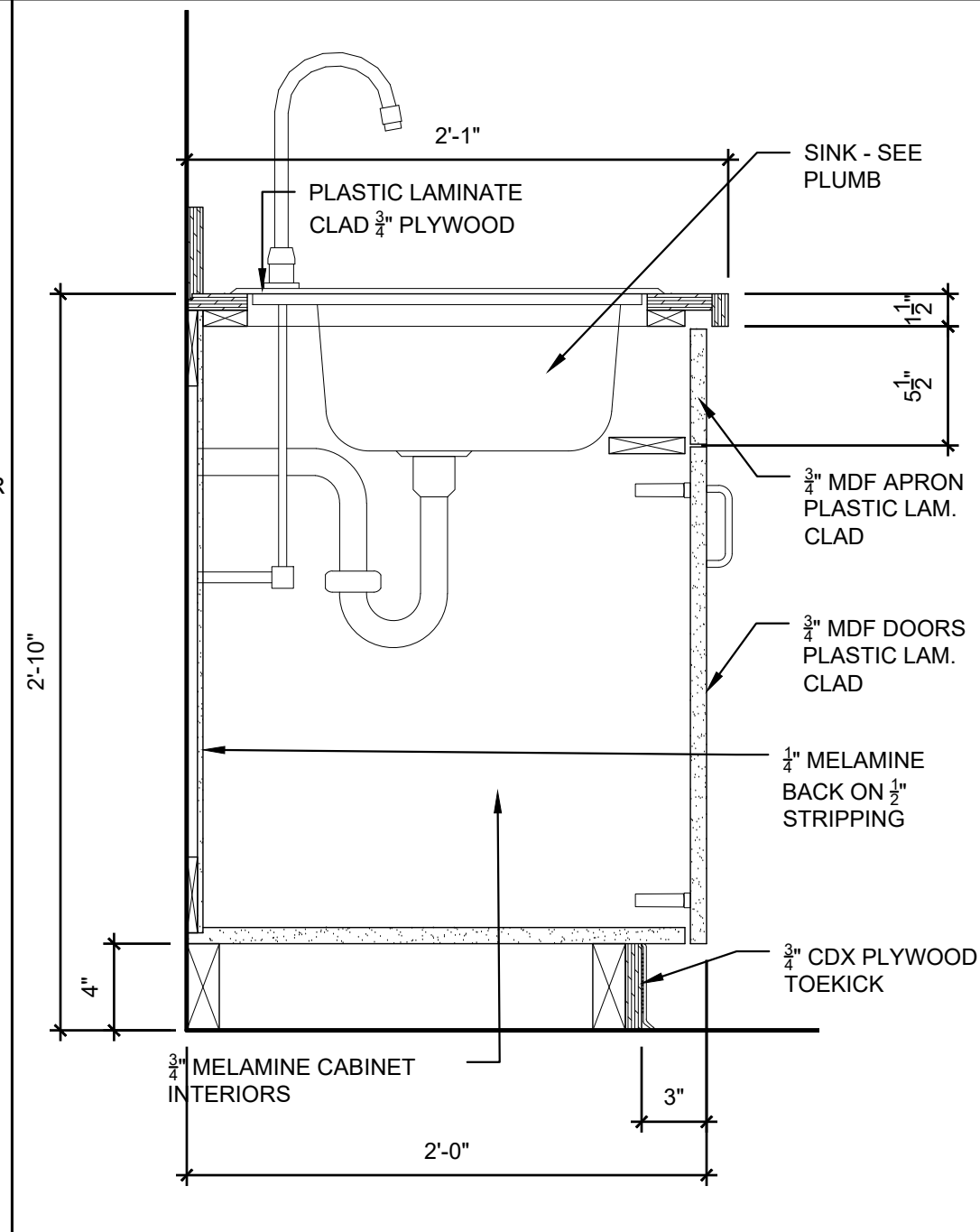
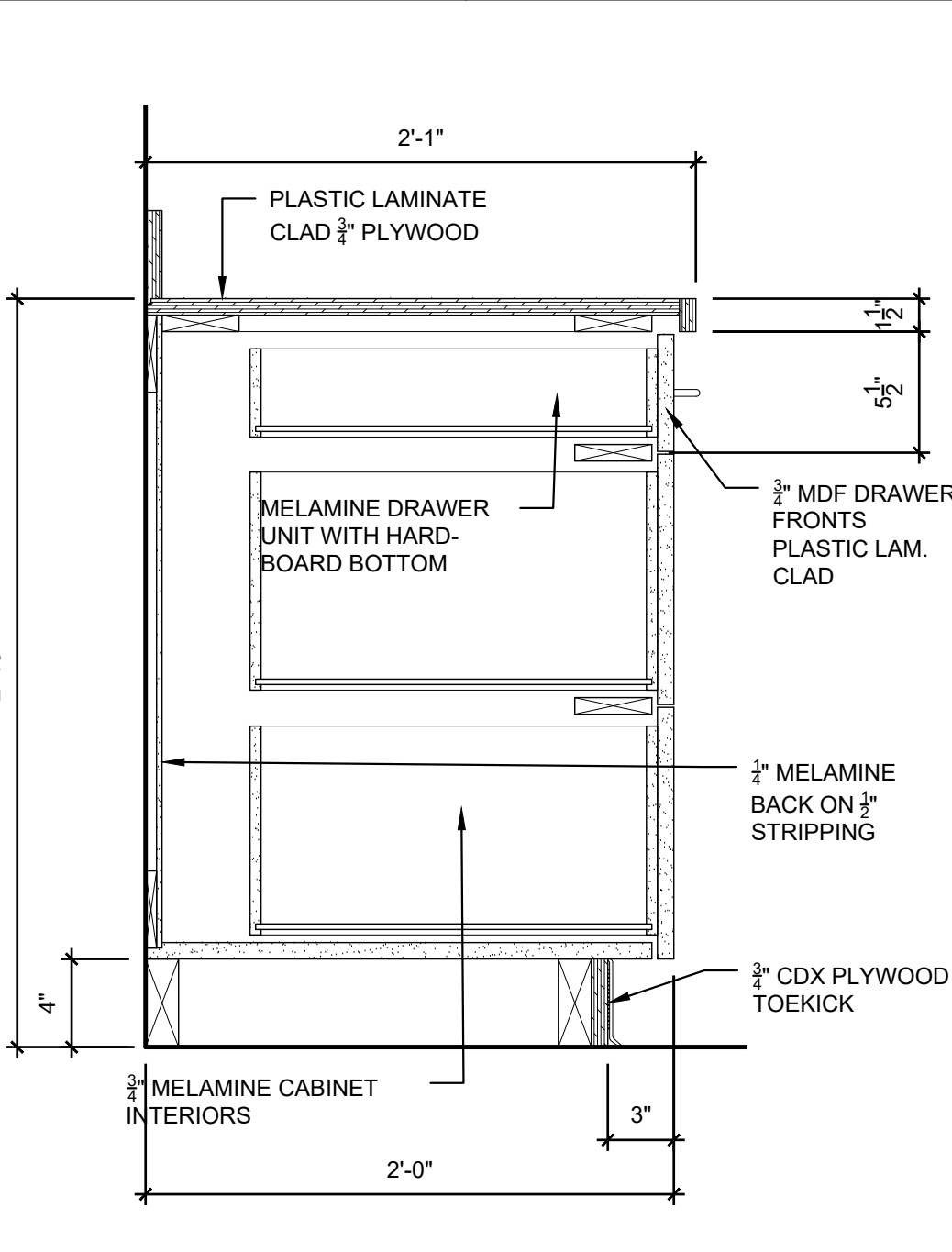
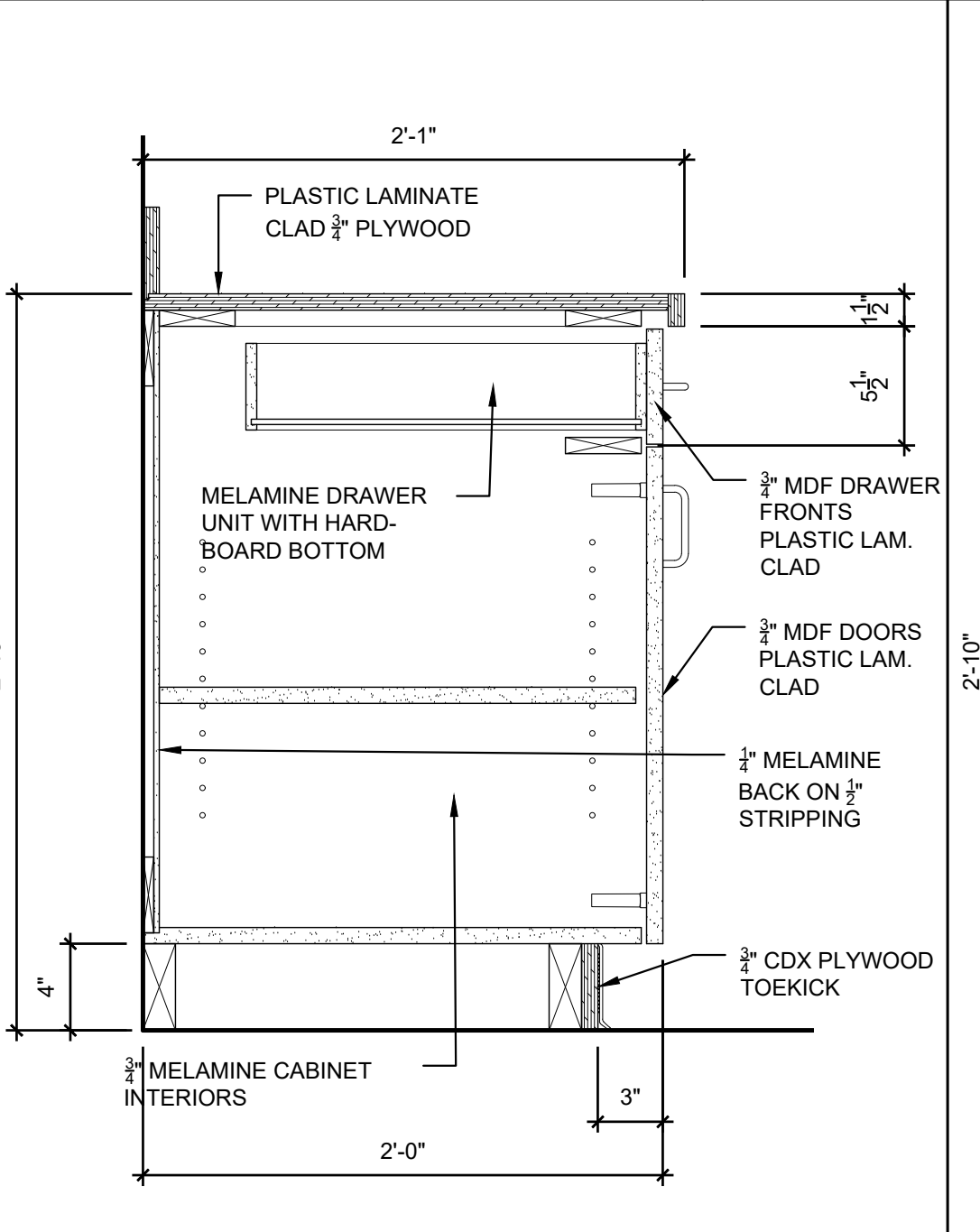
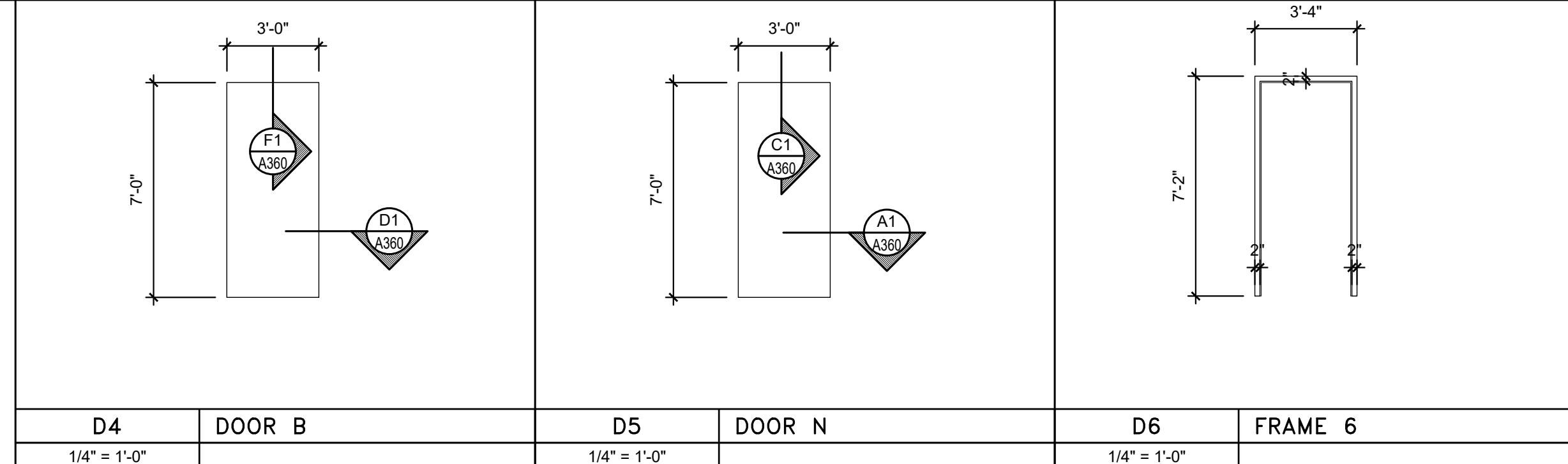
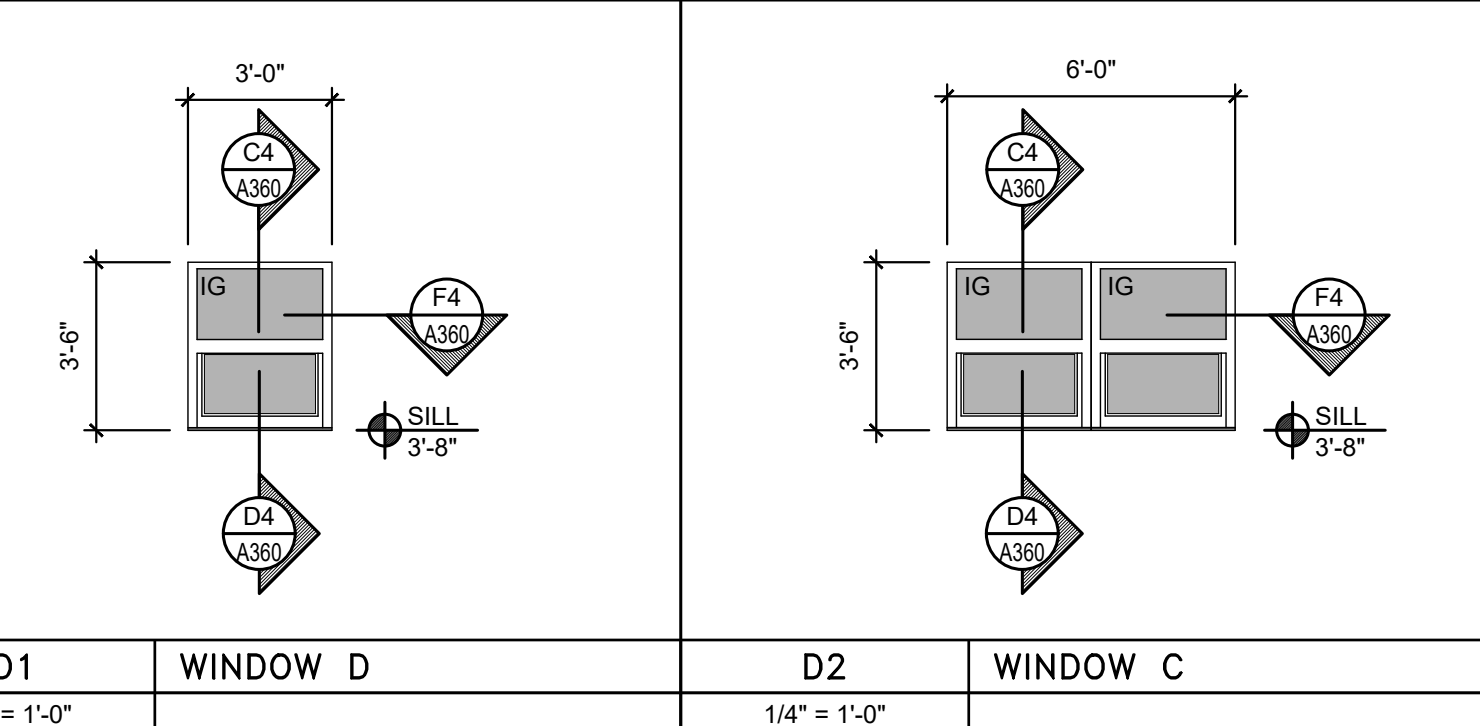
NO	WINDOW			SIZE	REMARKS
	MAT	TYPE	FIN		
3A	ALUM	C	PREFIN	PAIR 3'-0" x 3'-6"	1, 2
3B	ALUM	D	PREFIN	3'-0" x 3'-6"	1, 2
3C	ALUM	D	PREFIN	3'-0" x 3'-6"	1, 2
3D	ALUM	D	PREFIN	3'-0" x 3'-6"	1, 2
3E	ALUM	D	PREFIN	3'-0" x 3'-6"	1, 2
3F	ALUM	C	PREFIN	PAIR 3'-0" x 3'-6"	1, 2
3G	ALUM	C	PREFIN	PAIR 3'-0" x 3'-6"	1, 2
3H	ALUM	C	PREFIN	PAIR 3'-0" x 3'-6"	1, 2
3J	ALUM	C	PREFIN	PAIR 3'-0" x 3'-6"	1, 2

REMARKS:
1. 1" BRONZE TINTED INSULATED GLASS.
2. SINGLE HUNG WITH INSECT SCREEN.

DOOR SCHEDULE

NO	DOOR			SIZE	FRAME				HDW. GROUP	RATING	REMARKS
	MAT	TYPE	FIN		MAT	TYPE	DET	FIN			
301	HM	N	PT-3	3'-0" x 7'-0" x 1 3/4"	HM	6		PT-4	2	--	
302	HM	N	PT-3	3'-0" x 7'-0" x 1 3/4"	HM	6		PT-4	2	--	
303A	HM	N	PT-3	3'-0" x 7'-0" x 1 3/4"	HM	6		PT-4	5	--	
303B	HM	B	PT-3	3'-0" x 7'-0" x 1 3/4"	HM	6		PT-4	3	45 MIN	3
304A	HM	N	PT-3	3'-0" x 7'-0" x 1 3/4"	HM	6		PT-4	5	--	
304B	HM	B	PT-3	3'-0" x 7'-0" x 1 3/4"	HM	6		PT-4	3	45 MIN	3
304C	HM	B	PT-3	3'-0" x 7'-0" x 1 3/4"	HM	6		PT-4	1	--	2
305	HM	N	PT-3	3'-0" x 7'-0" x 1 3/4"	HM	6		PT-4	5	--	
306	HM	N	PT-3	3'-0" x 7'-0" x 1 3/4"	HM	6		PT-4	4	--	
307A	HM	B	PT-3	3'-0" x 7'-0" x 1 3/4"	HM	6		PT-4	1	--	2
307B	HM	B	PT-3	3'-0" x 7'-0" x 1 3/4"	HM	6		PT-4	3	45 MIN	3
308	HM	B	PT-3	3'-0" x 7'-0" x 1 3/4"	HM	6		PT-4	6	--	2
309	HM	N	PT-3	3'-0" x 7'-0" x 1 3/4"	HM	6		PT-4	4	--	
310	HM	N	PT-3	3'-0" x 7'-0" x 1 3/4"	HM	6		PT-4	7	--	
311A	HM	B	PT-3	3'-0" x 7'-0" x 1 3/4"	HM	6		PT-4	1	--	2
311B	STL	P	PT-3	12'-0" x 12'-0"	--	--		--	--	--	1
311C	STL	P	PT-3	12'-0" x 12'-0"	--	--		--	--	--	1
311D	STL	P	PT-3	12'-0" x 12'-0"	--	--		--	--	--	1
311E	HM	B	PT-3	3'-0" x 7'-0" x 1 3/4"	HM	6		PT-4	1	--	2

REMARKS:
1. OVERHEAD COILING DOOR WITH CHAIN HOIST.
2. EXTERIOR DOOR - INSULATE DOOR AND PROVIDE WEATHERSTRIPING



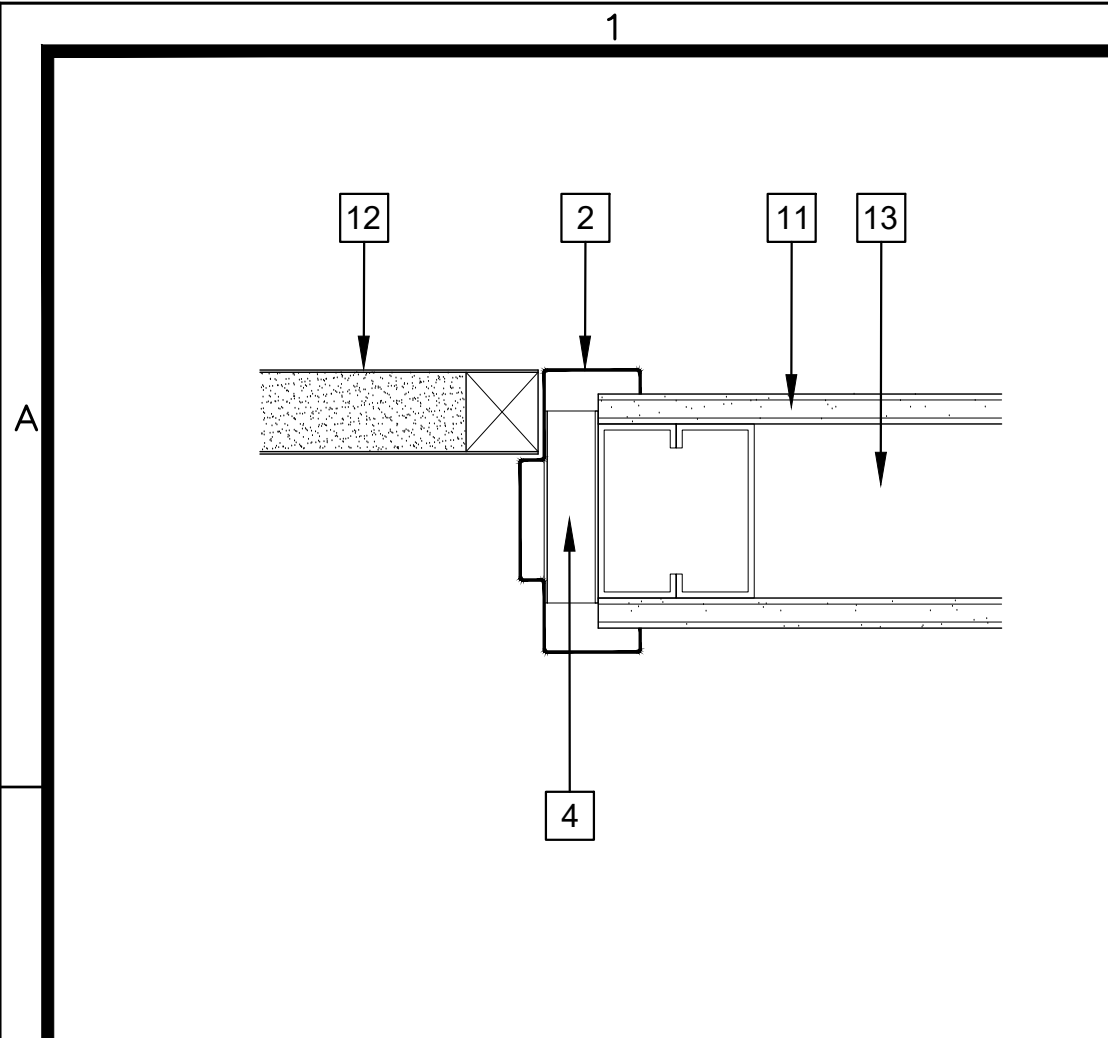
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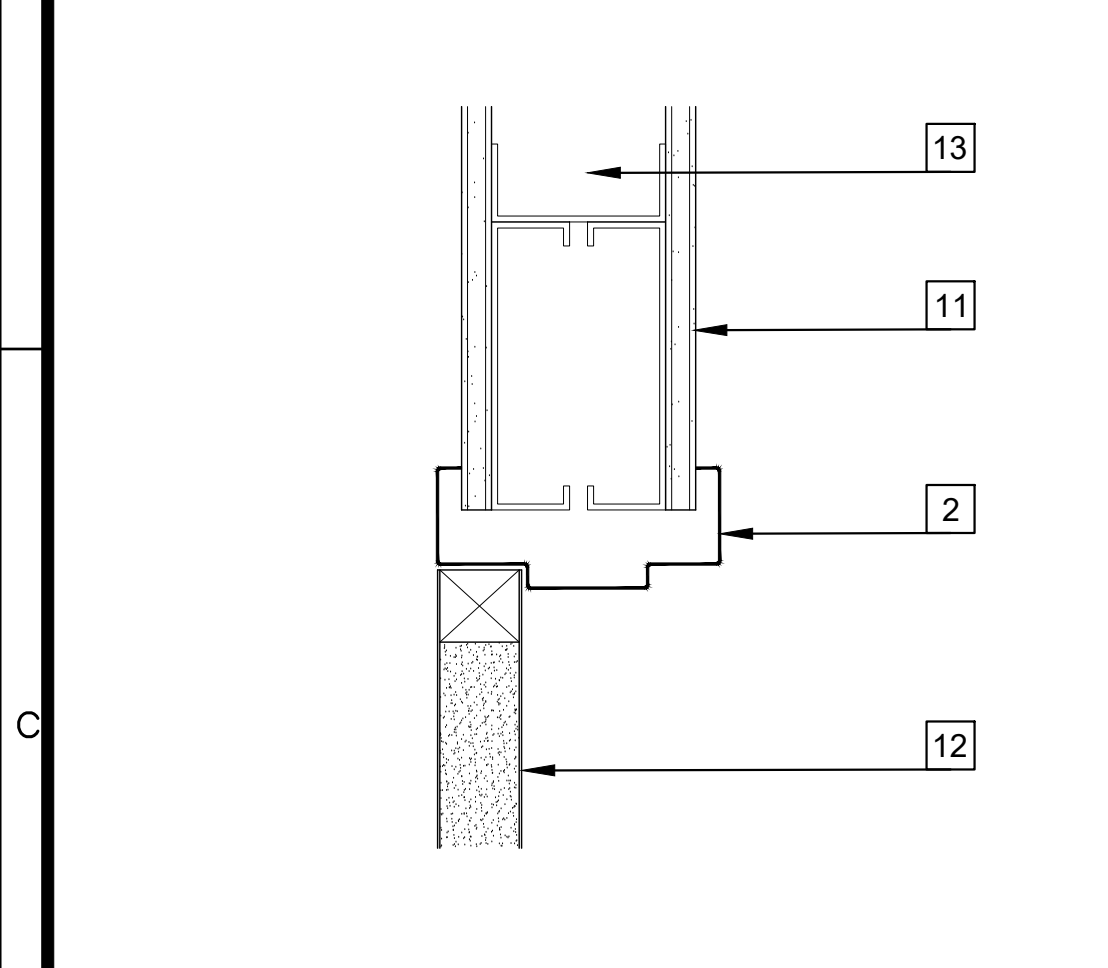
21011 TORNADO DAMAGE BUILDING REPAIRS & RECONSTRUCTION
AUG
AUG
AUG
06.16.25
08.19.25
PROJECT NO: 19-607-21-01, F:19002617

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LSU AG CENTER, ALEXANDRIA, LOUISIANA SITE CODE: 6-40-023 SITE ID: MULTIPLE

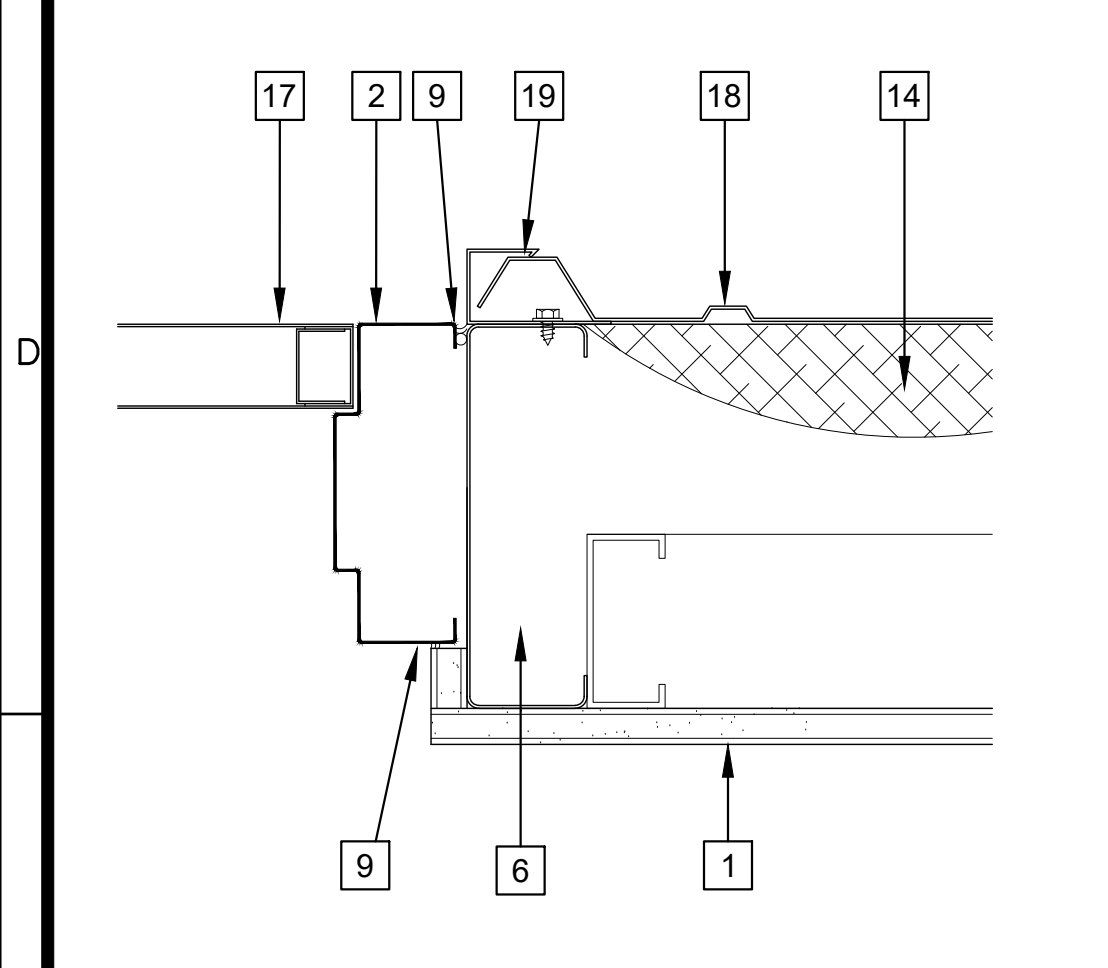
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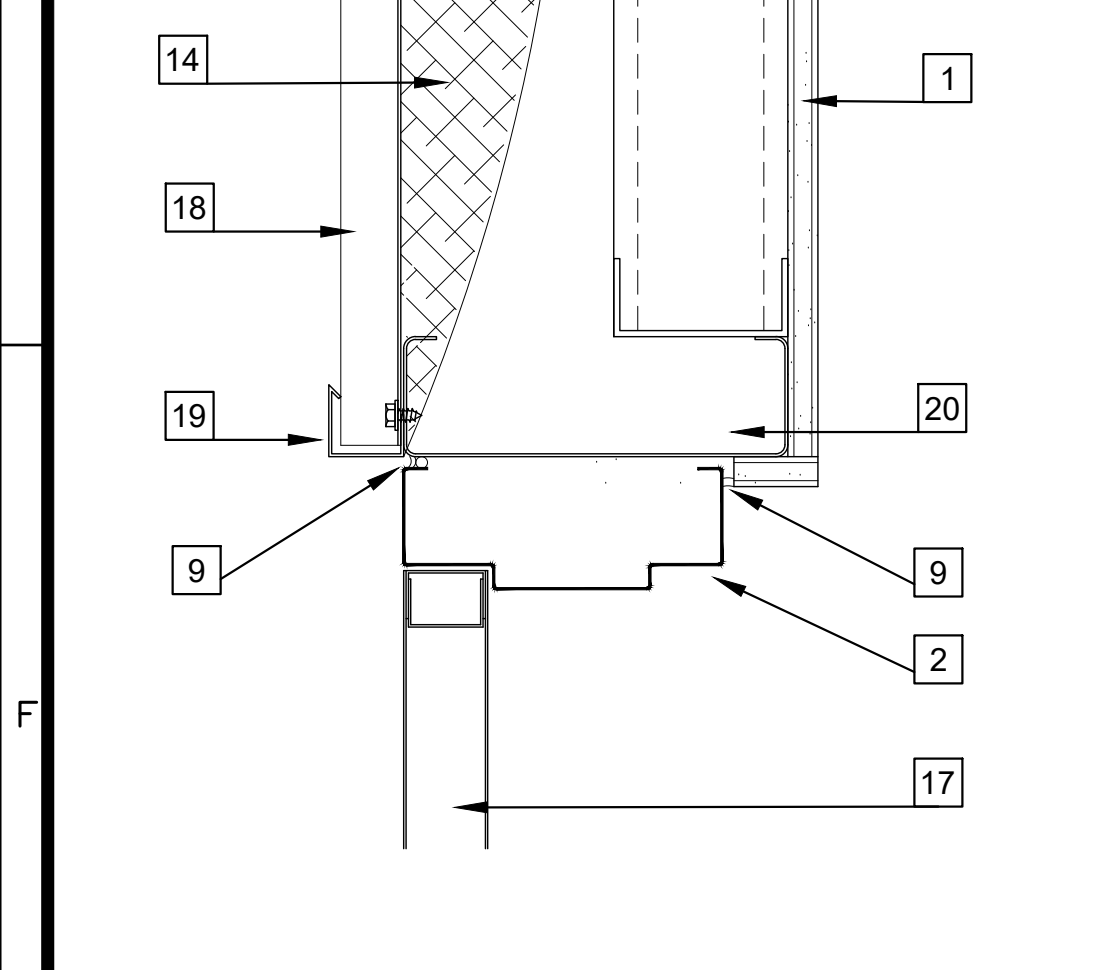
A1 DETAIL - DOOR JAMB
3" = 1'-0"



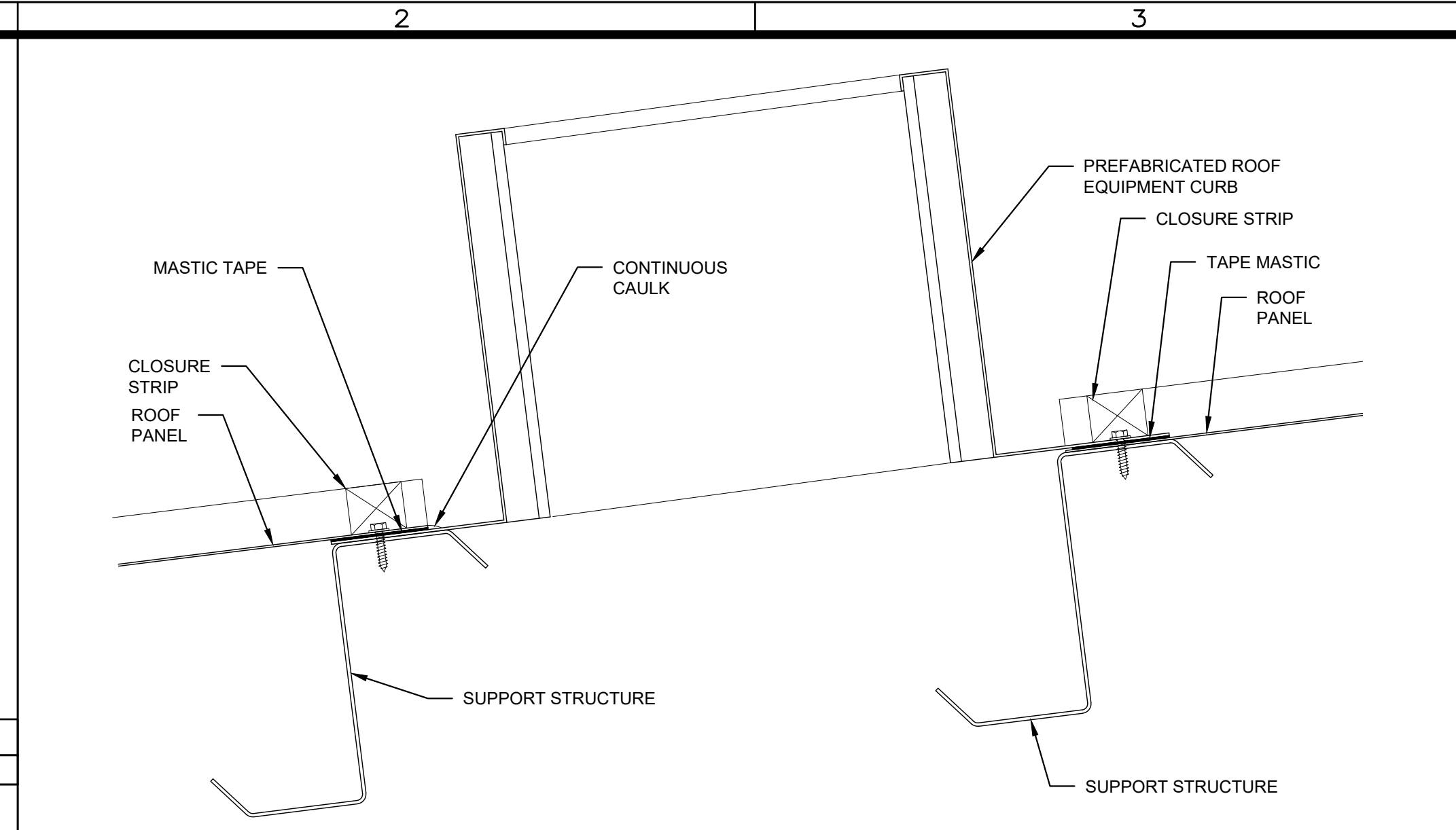
C1 DETAIL - DOOR HEAD
3" = 1'-0"



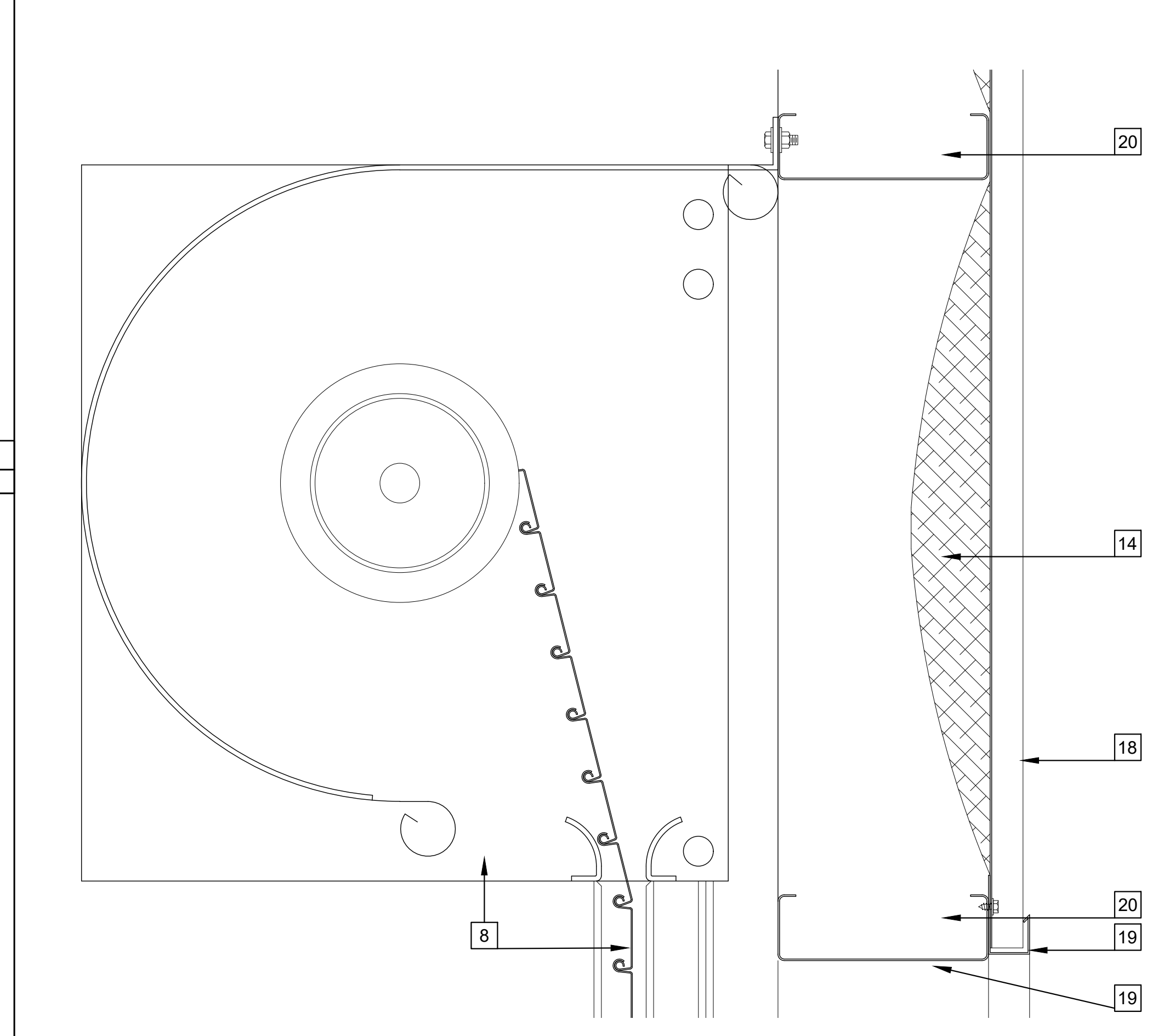
D1 DETAIL - DOOR JAMB
3" = 1'-0"



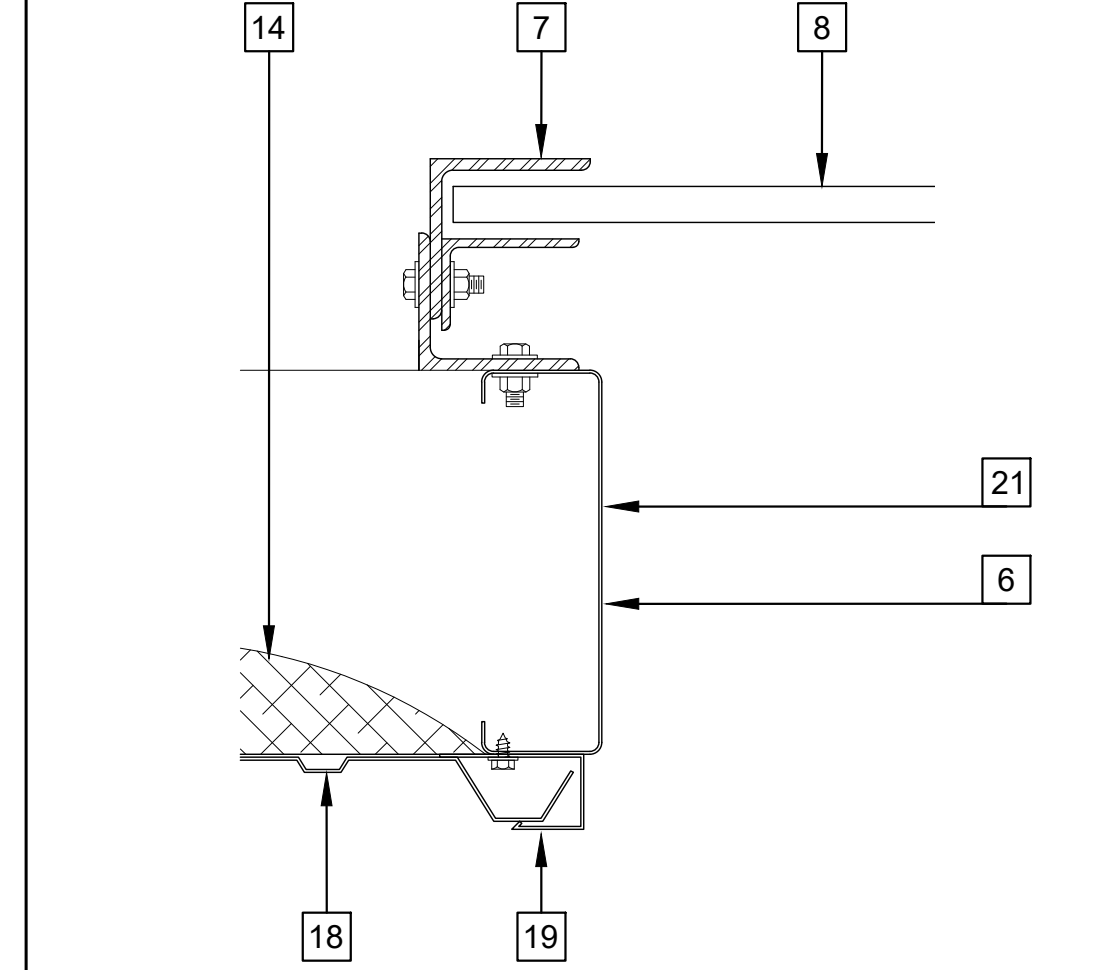
F1 DETAIL - DOOR HEAD
3" = 1'-0"



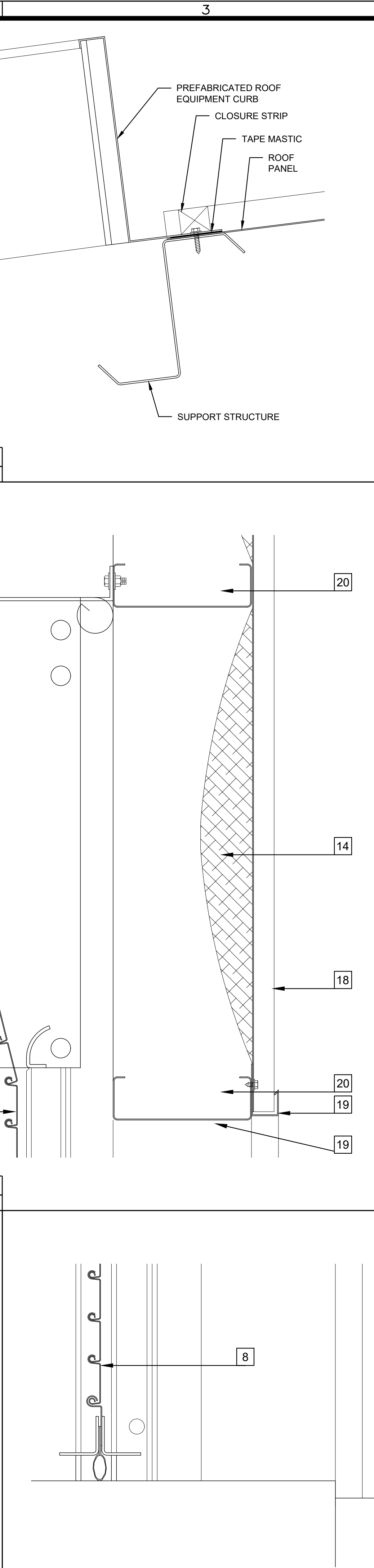
D2 CURB DETAIL
3" = 1'-0"



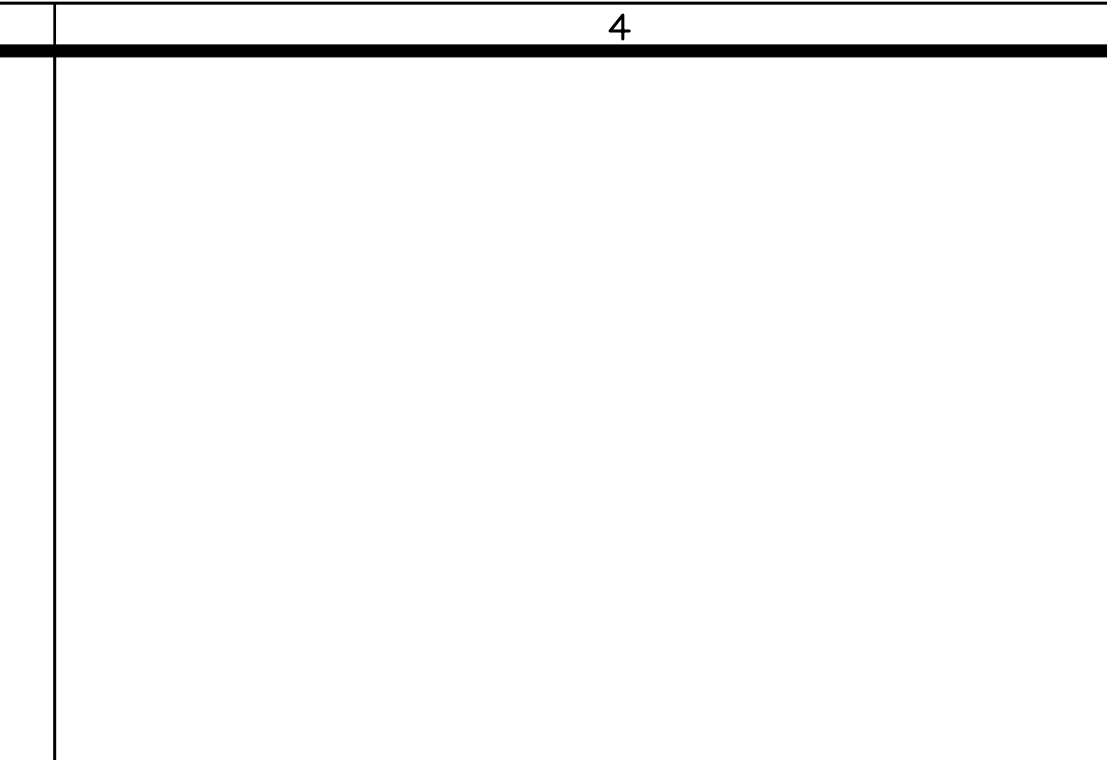
D2 DETAIL - DOOR HEAD
3" = 1'-0"



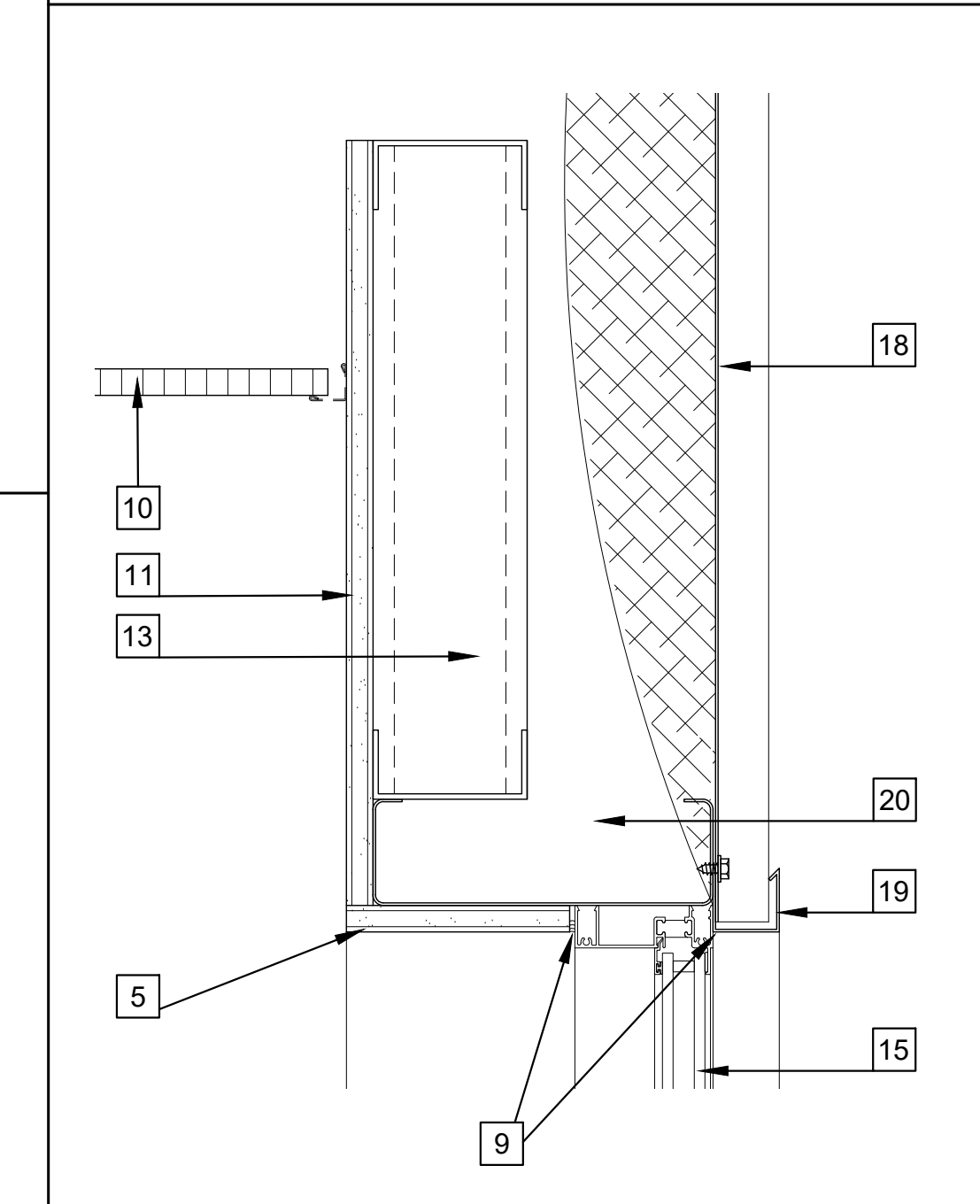
F2 DETAIL - DOOR JAMB
3" = 1'-0"



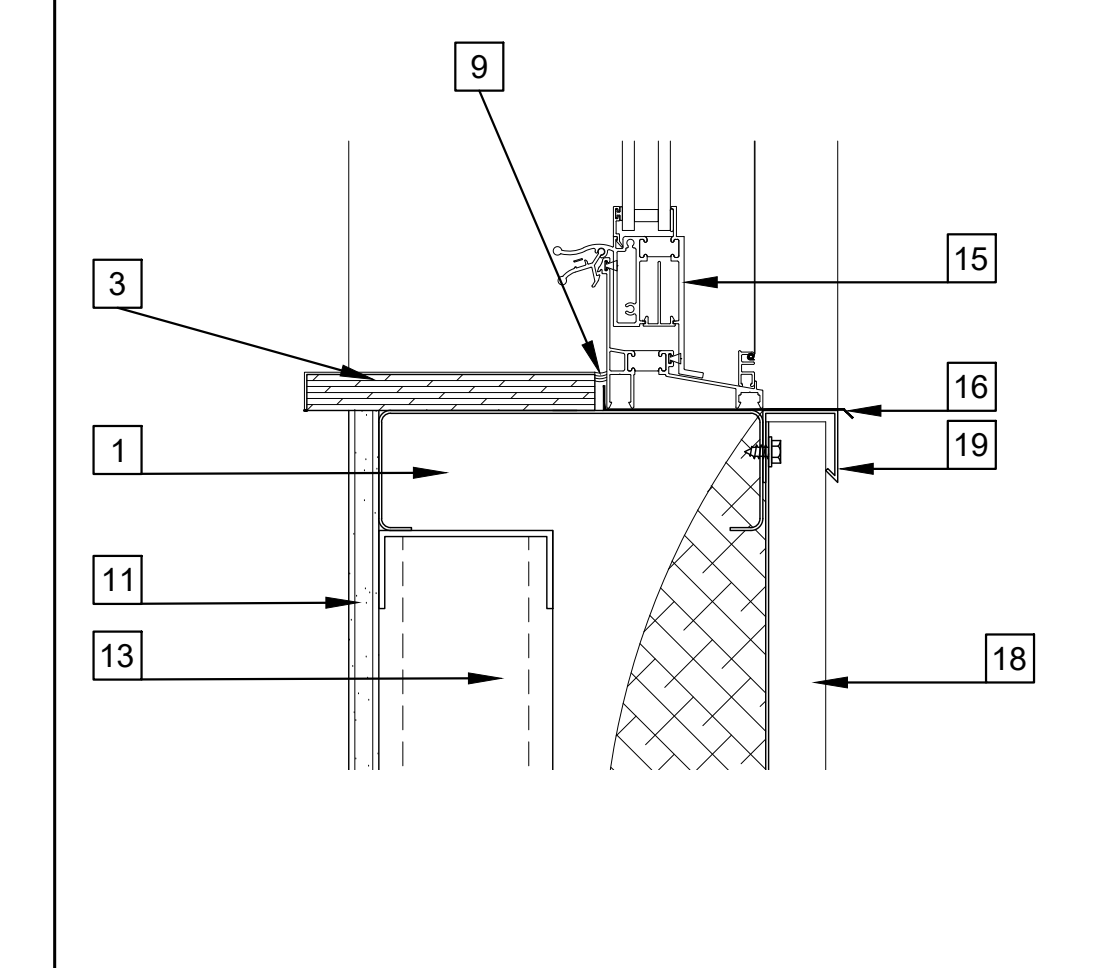
F3 DETAIL - DOOR SILL
3" = 1'-0"



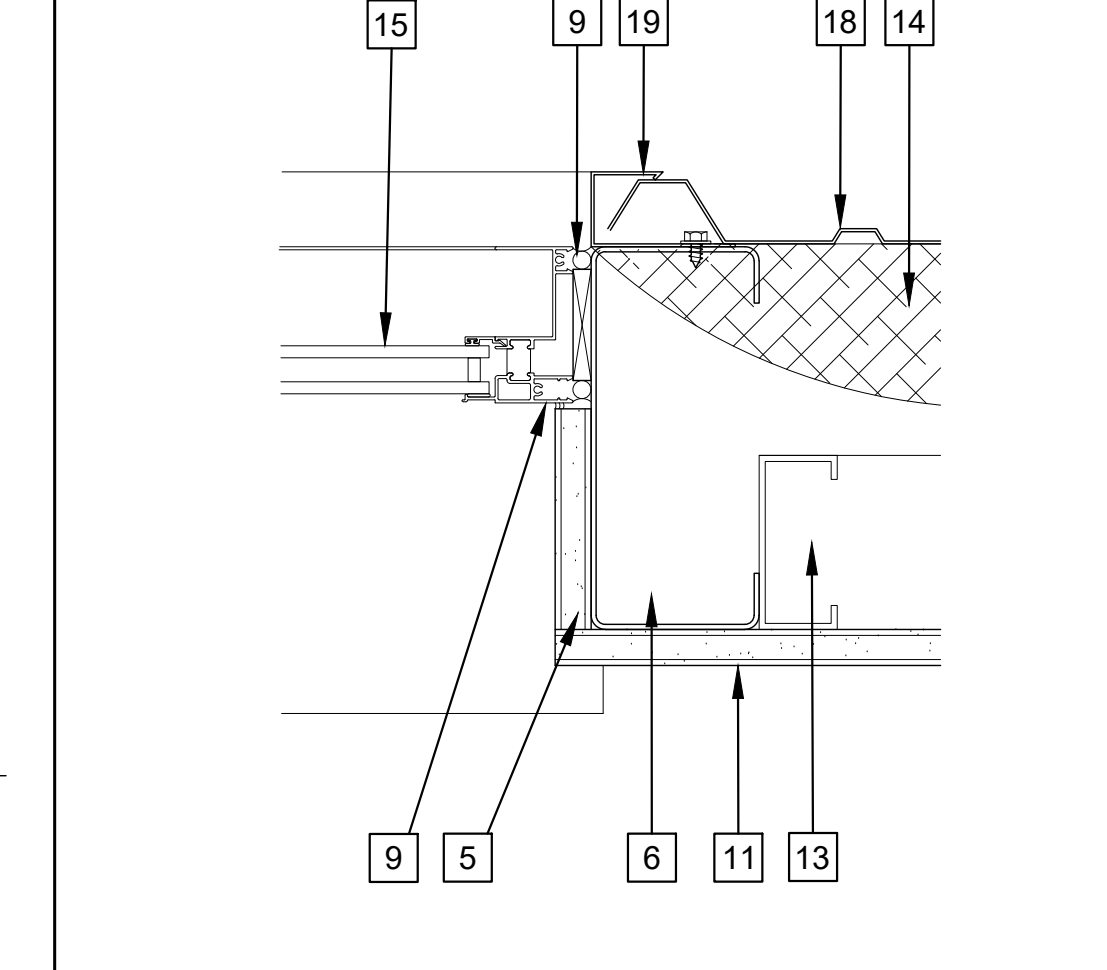
A5 RIDGE DETAIL
3" = 1'-0"



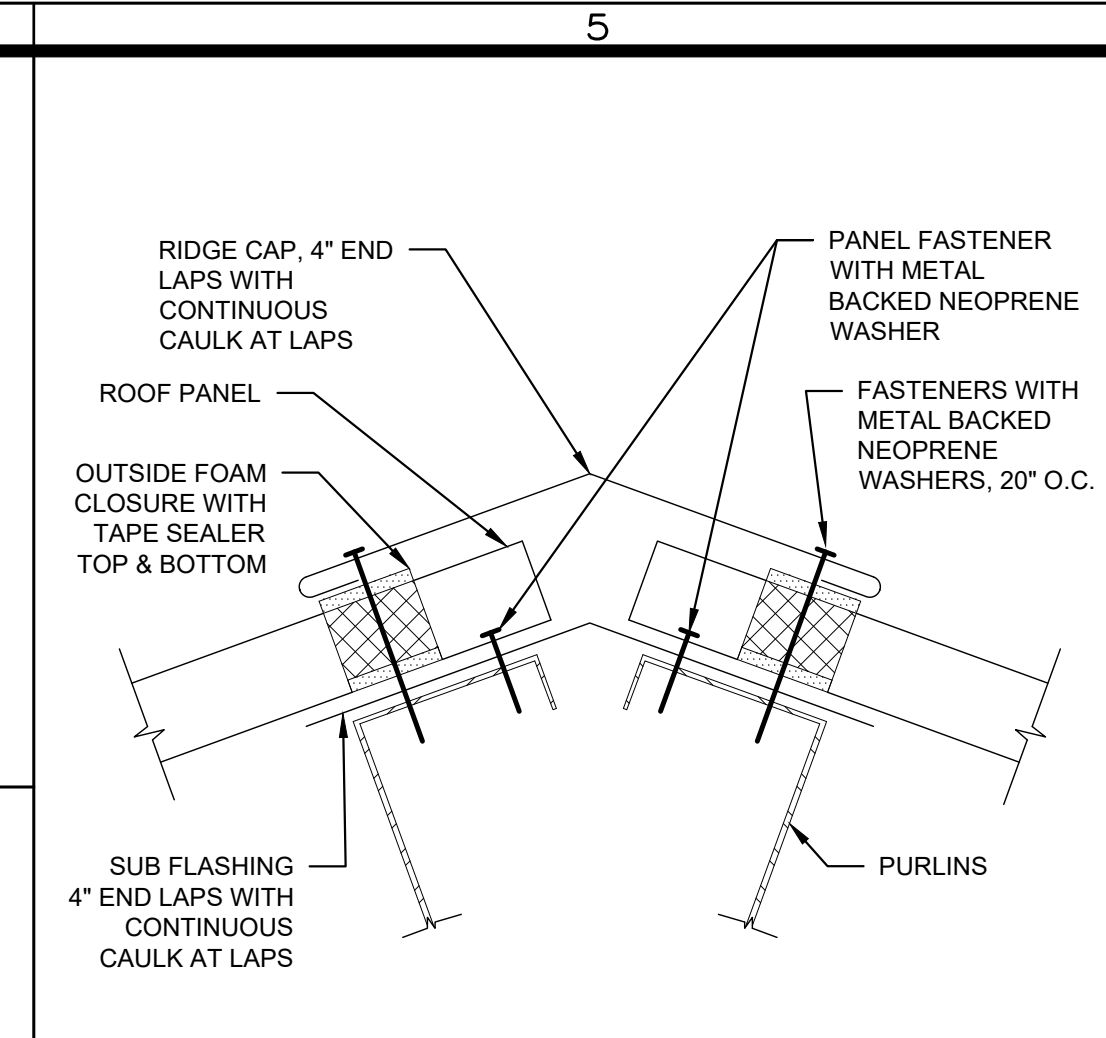
C4 DETAIL - WINDOW HEAD
3" = 1'-0"



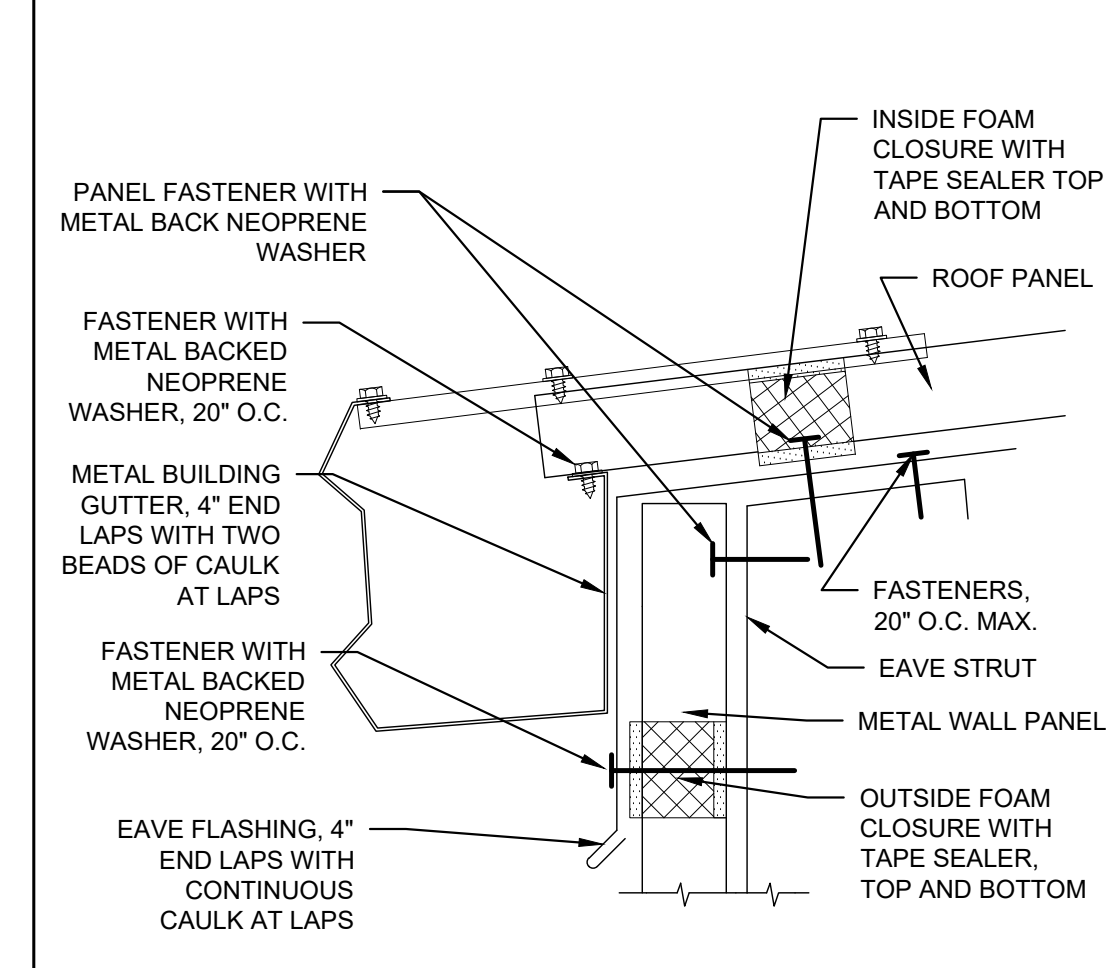
D4 DETAIL WINDOW SILL
3" = 1'-0"



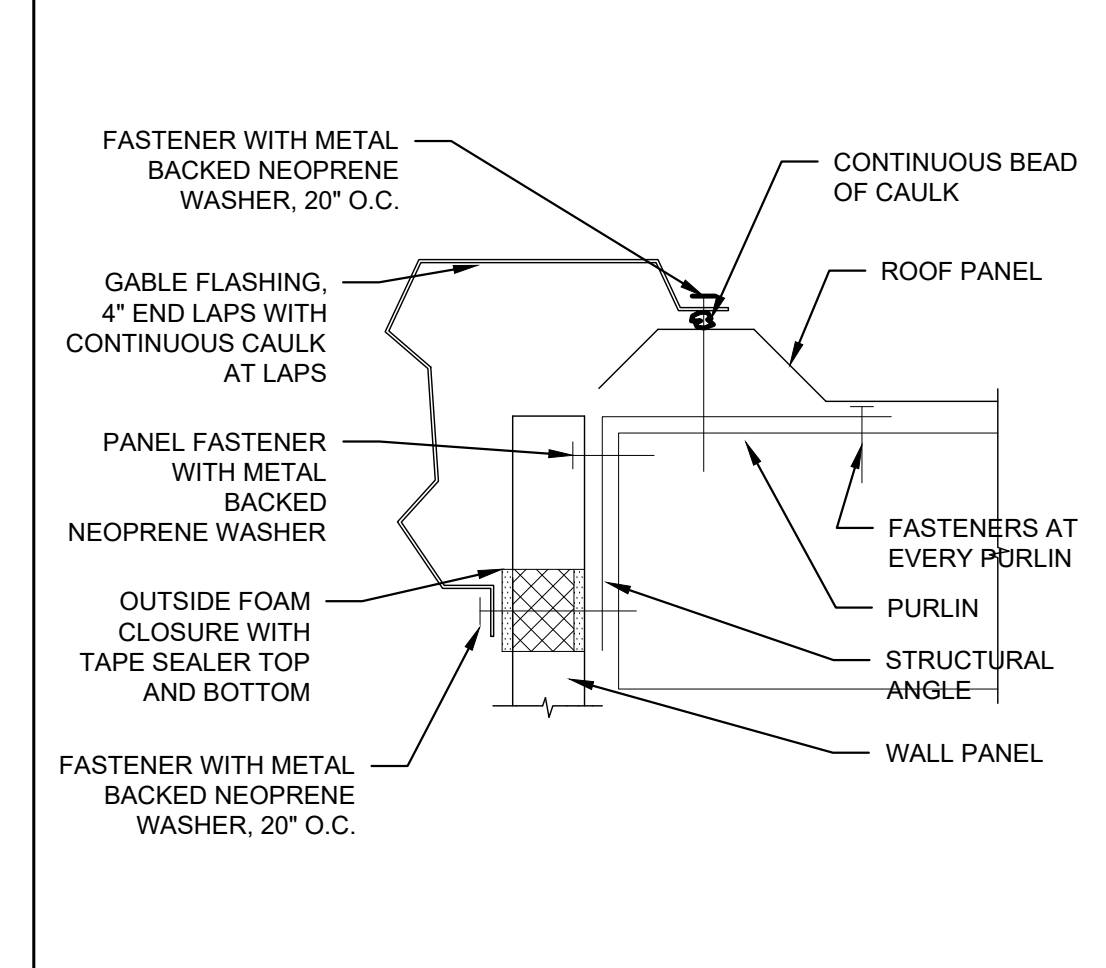
F4 DETAIL - WINDOW JAMB
3" = 1'-0"



C5 EAVE DETAIL
3" = 1'-0"



D5 RAKE DETAIL
3" = 1'-0"



F5 VENT DETAIL
3" = 1'-0"

- KEYED NOTES:**
- METAL BUILDING SILL FRAMING
 - PAINTED HOLLOW METAL FRAME.
 - PLAS. LAM. SILL
 - JAMB ANCHORS, 3 PER JAMB.
 - GYP. BD. RETURN
 - METAL BUILDING JAMB POST
 - PAINTED OVERHEAD COILING DOOR JAMB ANGLES
 - OVERHEAD COILING DOOR
 - CONTINUOUS BEAD OF SEALANT.
 - SUSPENDED ACOUSTICAL CEILING
 - PAINTED 5/8" GYPSUM BOARD.
 - PAINTED HOLLOW METAL
 - 3 5/8" METAL STUDS AT 16" ON CENTER.
 - INSULATION.
 - SINGLE HUNG ALUMINUM WINDOW
 - PRE-FINISHED METAL FLASHING - EXTEND UNDER WINDOW SILL AND TURN UP
 - NOT USED
 - PRE-FINISHED METAL WALL PANELS.
 - PRE-FINISHED METAL WALL PANEL TRIM.
 - METAL BUILDING WALL GIRTS.
 - PAINT OPENING FRAMING

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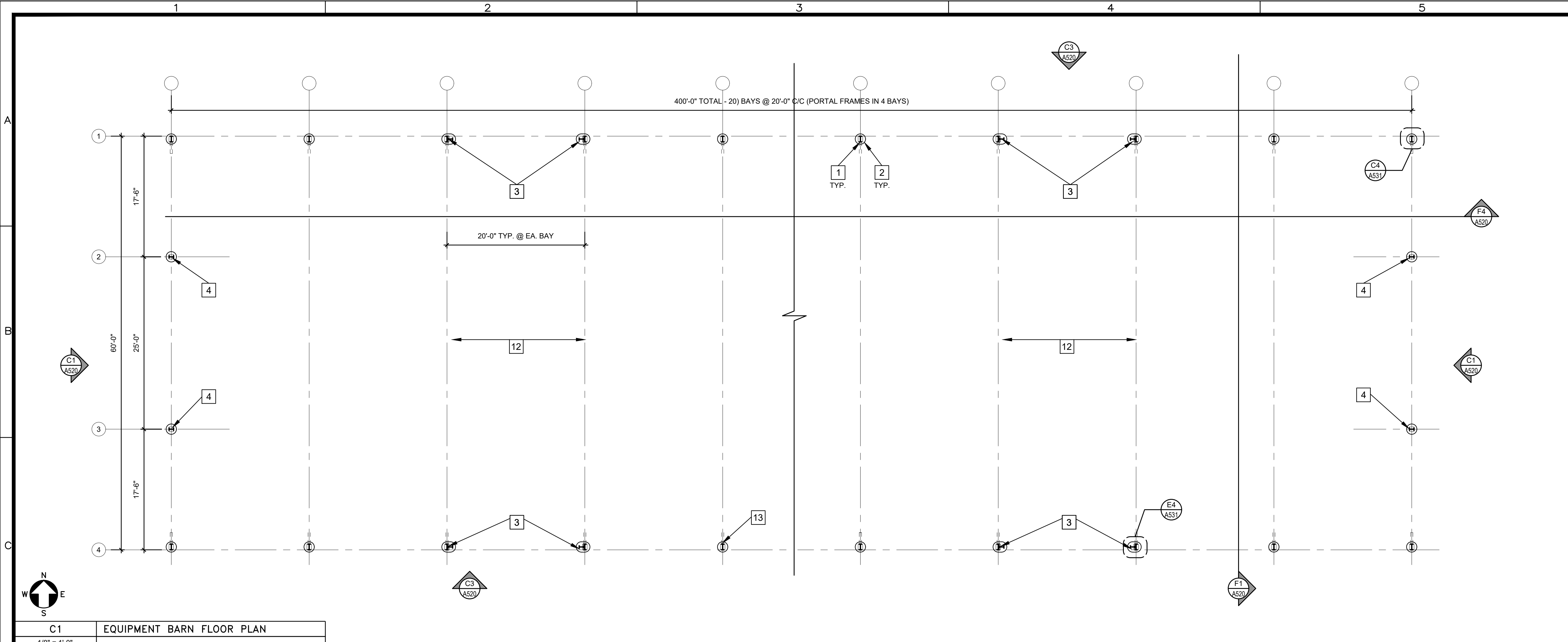
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21011 TORNADO DAMAGE BUILDING REPAIRS & RECONSTRUCTION
DEAN LEE RESEARCH AND EXTENSION CENTER
LSU AG CENTER, ALEXANDRIA, LOUISIANA SITE CODE: 6-40-023 SITE ID: MULTIPLE
PROJECT NO: 19-607-21-01, F: 19002617

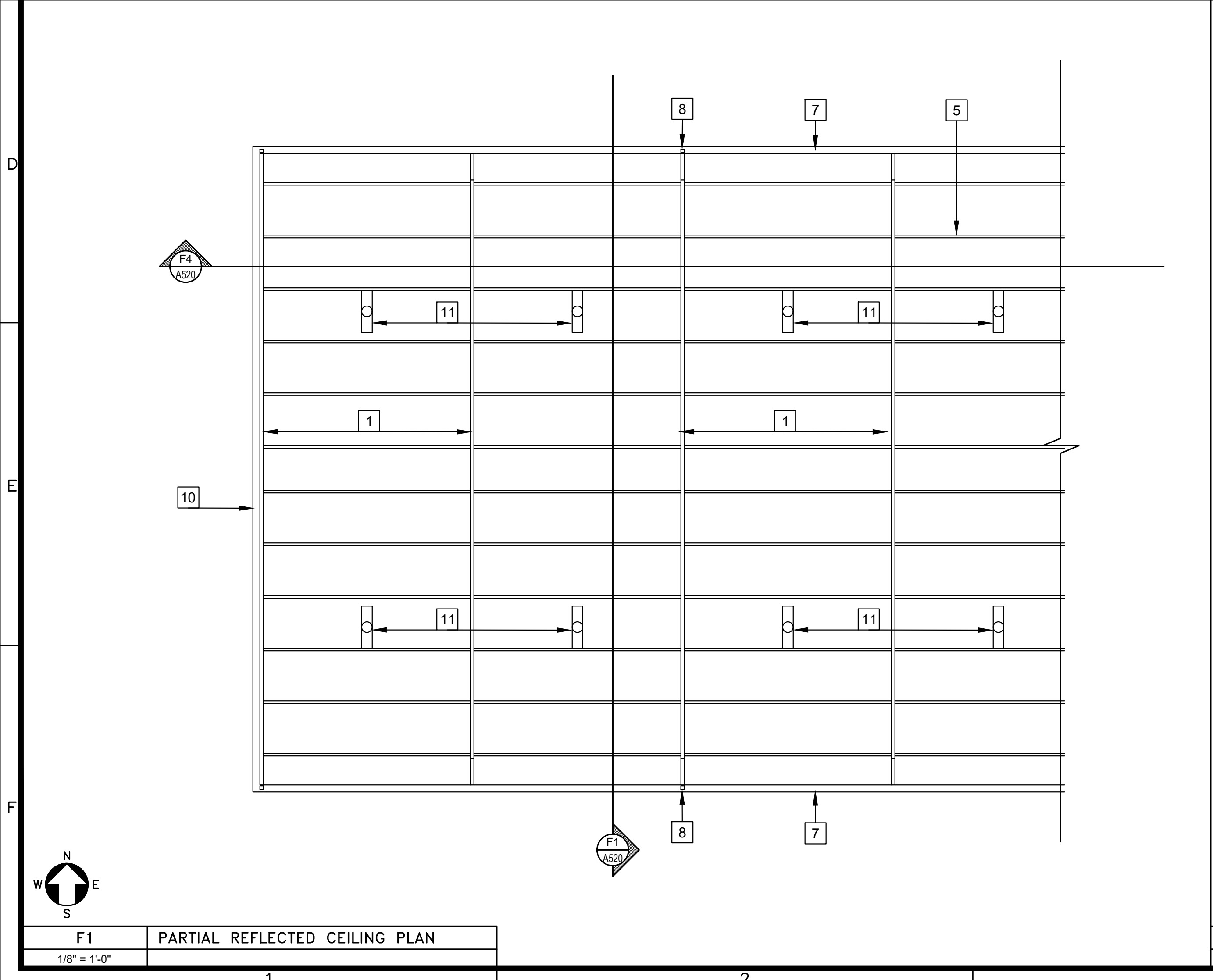
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DRAWN: AJG
CHECKED: AJG
DATE: 06.16.25
LAST REV: ---

A360

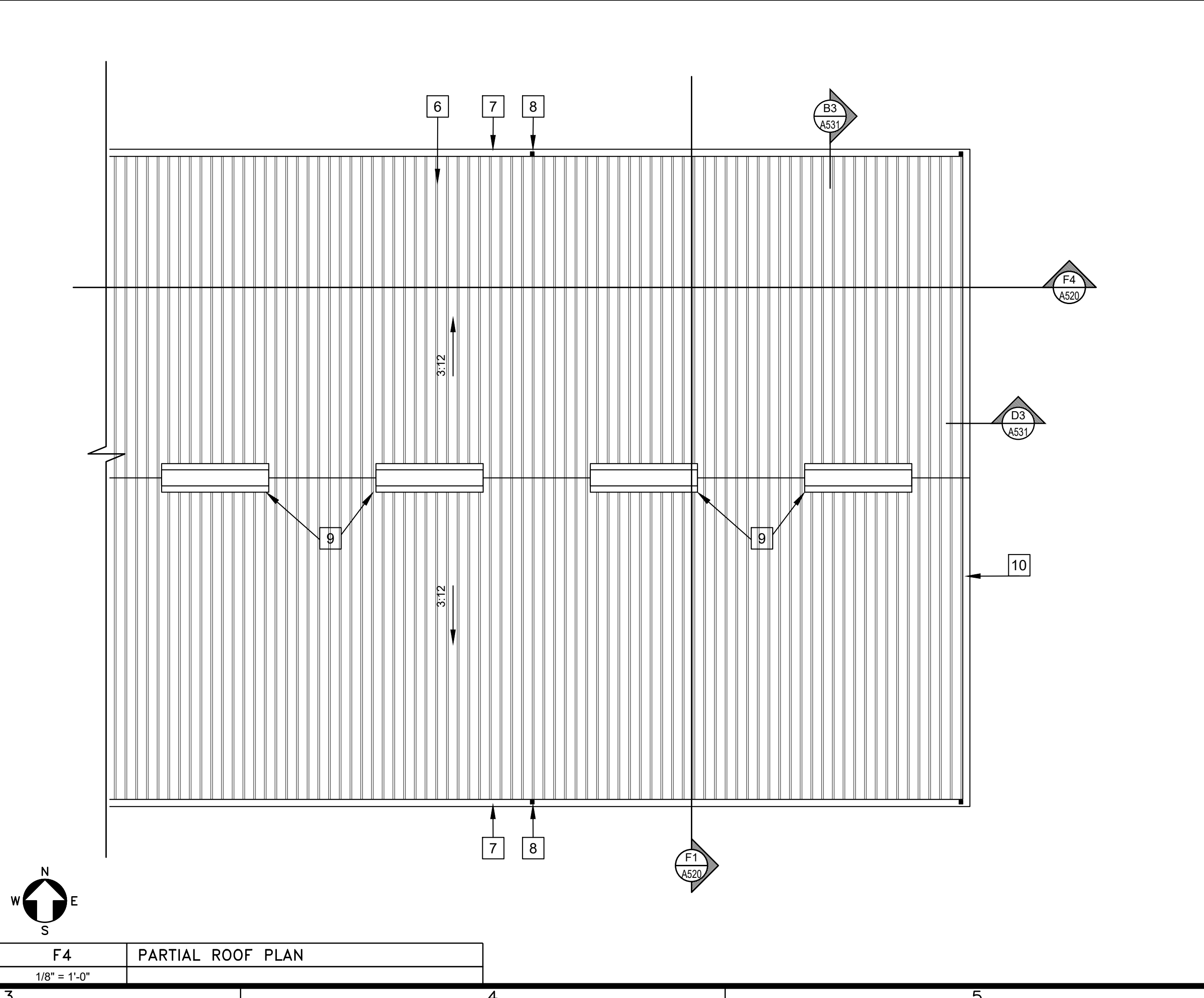
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C1 EQUIPMENT BARN FLOOR PLAN
1/8" = 1'-0"



F1 PARTIAL REFLECTED CEILING PLAN
1/8" = 1'-0"



F4 PARTIAL ROOF PLAN
1/8" = 1'-0"

- KEYED NOTES:**
1. METAL BUILDING RIGID FRAME - SEE C4/A-531
 2. CONCRETE COLUMN BASE.
 3. PORTAL FRAME - SEE E4/A-31
 4. METAL BUILDING ENDWALL COLUMNS - SEE C4/A-531
 5. METAL BUILDING ROOF PURLINS.
 6. PRE-FINISHED METAL BUILDING ROOF PANELS.
 7. PRE-FINISHED METAL BUILDING GUTTER (7x5.5).
 8. PRE-FINISHED METAL BUILDING DOWNSPOUT @ 40'-0" C/C (3x4).
 9. PRE-FINISHED METAL BUILDING RIDGE VENT @ 20' C/C
 10. PRE-FINISHED METAL BUILDING RAKE TRIM.
 11. LIGHT FIXTURE, SEE ELECTRICAL.
 12. INSTALL 2" LIMESTONE FLOOR BENEATH BUILDING
 13. INSTALL FIRE EXTINGUISHER ON HOOK

CODE DATA

OCCUPANCY:
NON-SEPARATED USE
UTILITY (AGRICULTURE) - 24,000 SQFT

TYPE OF CONSTRUCTION:
IIB (I1000)

HEIGHT AND AREA LIMITATIONS:
ALLOWABLE
AREA: UNLIMITED SQFT (IBC C102.2)
HEIGHT: 1 STORY 55'-0"

AREA MODIFICATIONS:
FIRE SPRINKLER: NON-SPRINKLED
FRONTAGE INCREASE: NOT USED


ACTUAL:
BUILDING AREA: 24,000 SQFT
HEIGHT: 1 STORY 18'-0"


FIRE RESISTANCE RATING:
STRUCTURAL ELEMENTS - NOT REQUIRED
EXTERIOR WALLS - NOT REQUIRED
OCCUPANCY SEPARATION - NOT REQUIRED
CORRIDOR SEPARATION - NOT REQUIRED

OCCUPANCY LOAD:
24,000/300 = 80


EGRESS REQUIREMENTS:
REQUIRED - 5 PERSONS x 0.15 = .75"
PROVIDED - OPEN BUILDING

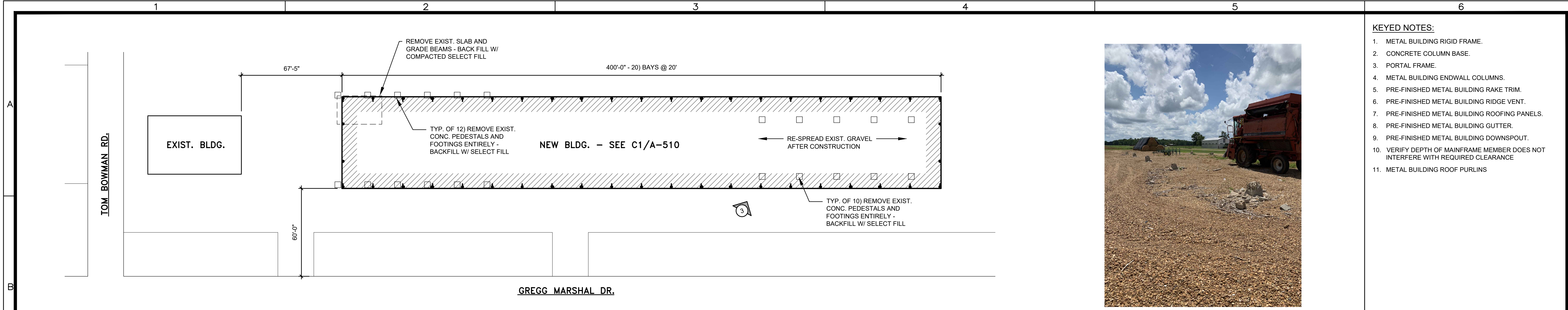
AUTOMATIC FIRE SUPPRESSION:
NOT REQUIRED


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 LSU AG CENTER, ALEXANDRIA, LOUISIANA SITE CODE: 6-40-023 SITE ID: MULTIPLE
 PROJECT NO: 19-607-21-01, F:19002617

PROJECT NO: 21011
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 CHECKED: AJG
 DATE: 06.16.25
 LAST REV: 09.04.25

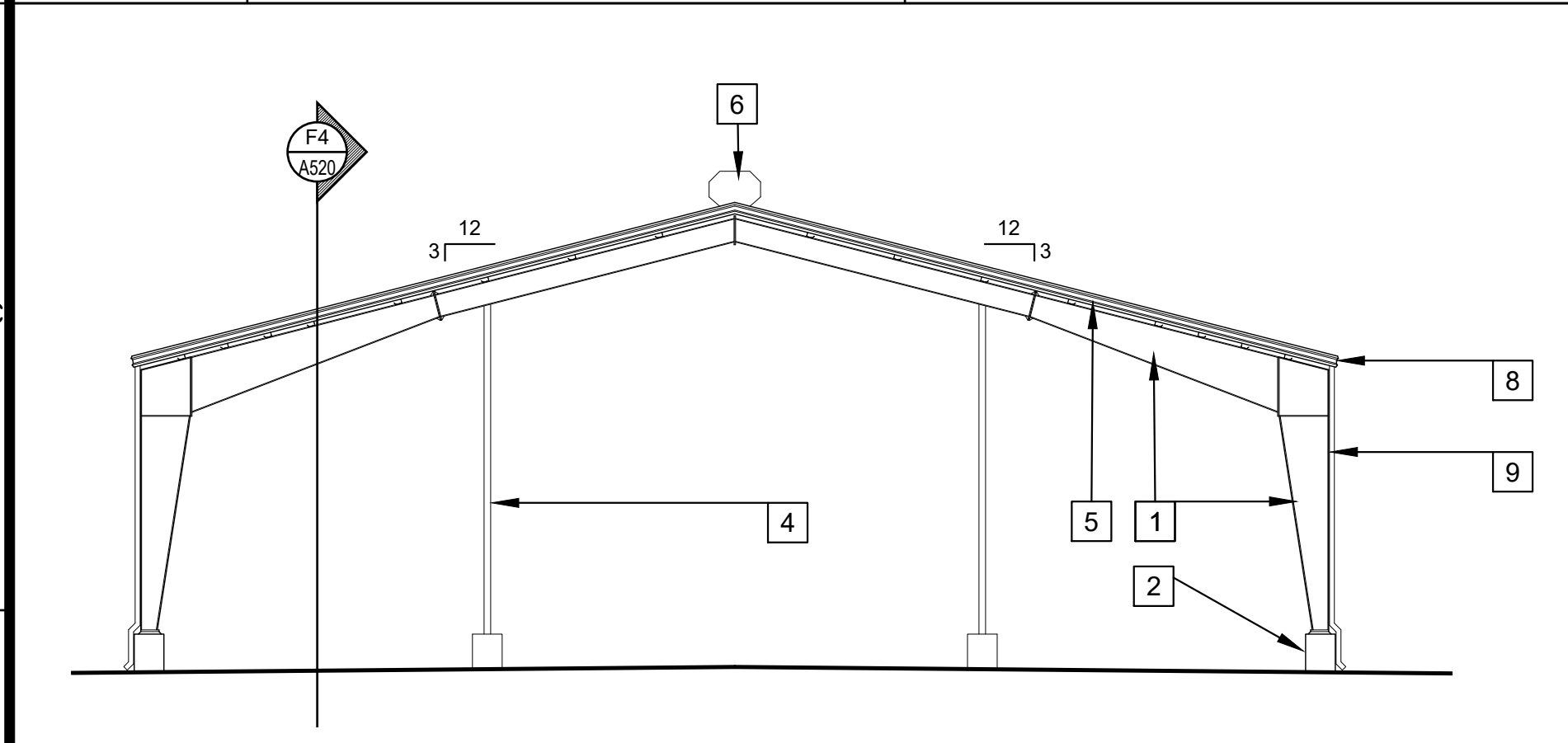

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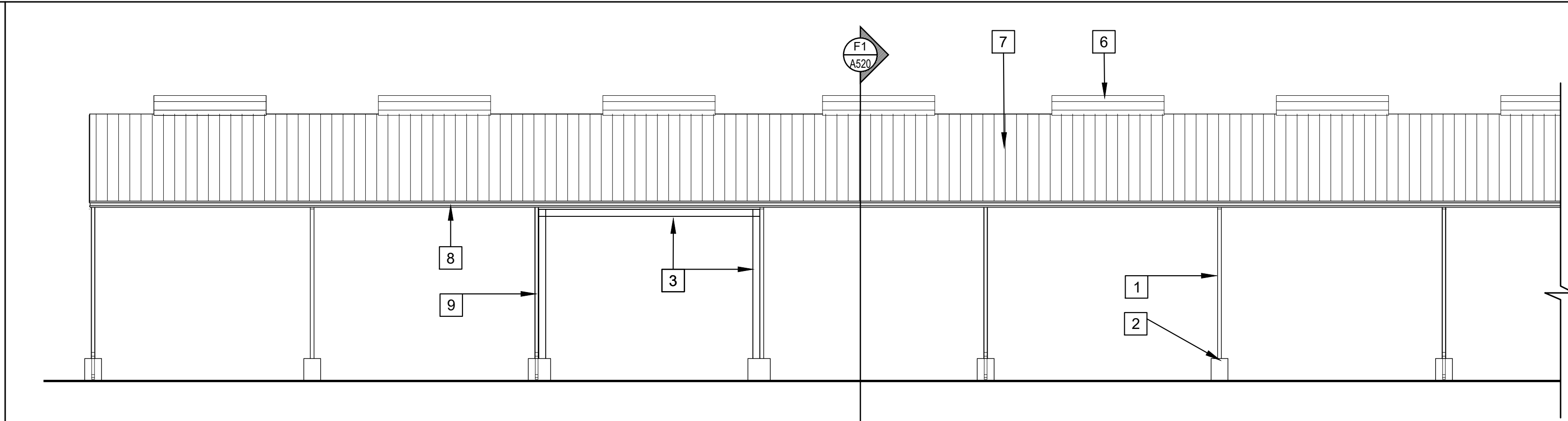
③ EQUIPMENT BARN

- KEYED NOTES:**
1. METAL BUILDING RIGID FRAME.
 2. CONCRETE COLUMN BASE.
 3. PORTAL FRAME.
 4. METAL BUILDING ENDWALL COLUMNS.
 5. PRE-FINISHED METAL BUILDING RAKE TRIM.
 6. PRE-FINISHED METAL BUILDING RIDGE VENT.
 7. PRE-FINISHED METAL BUILDING ROOFING PANELS.
 8. PRE-FINISHED METAL BUILDING GUTTER.
 9. PRE-FINISHED METAL BUILDING DOWNSPOUT.
 10. VERIFY DEPTH OF MAINFRAME MEMBER DOES NOT INTERFERE WITH REQUIRED CLEARANCE
 11. METAL BUILDING ROOF PURLINS

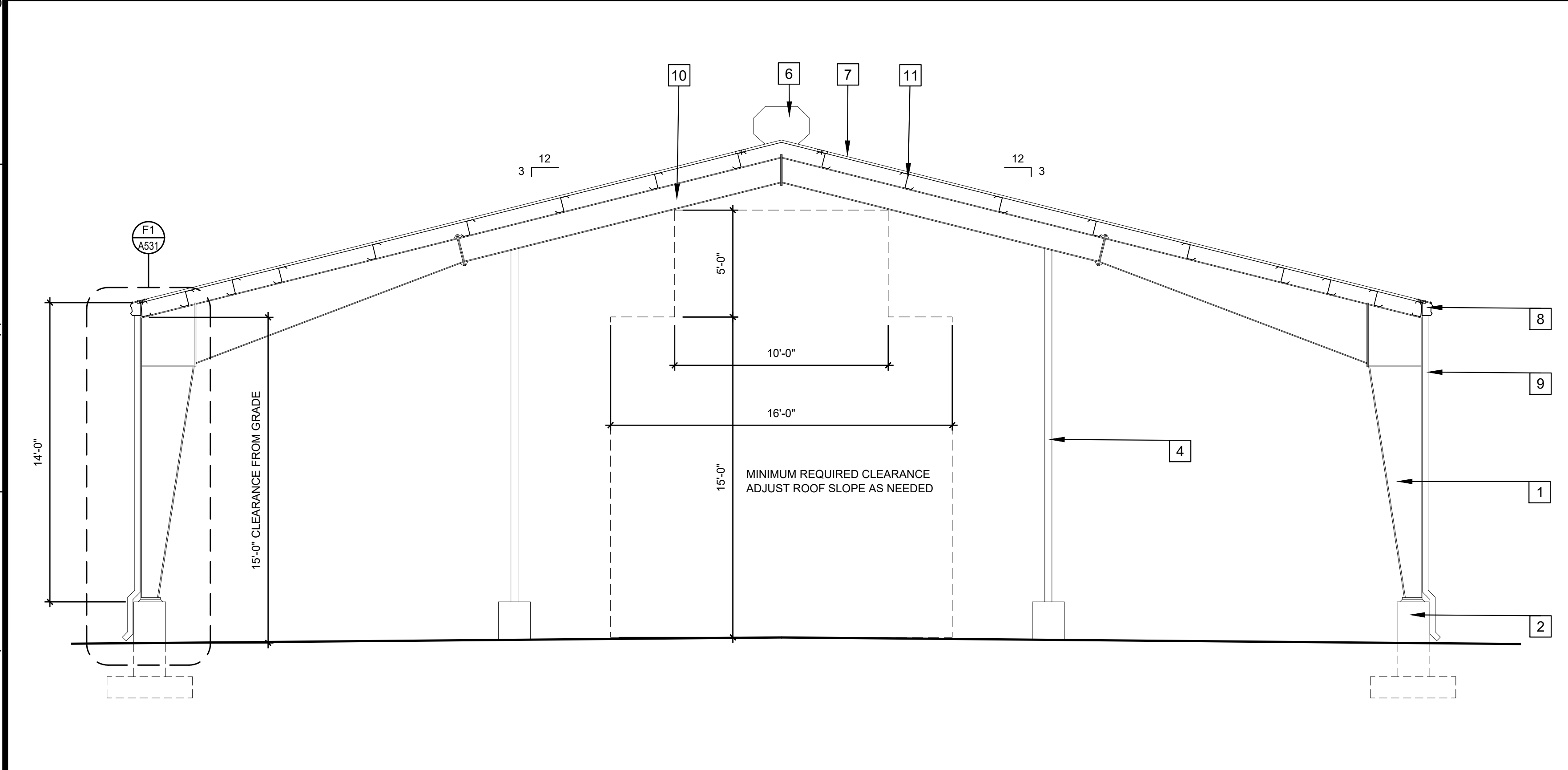
B1 SITE PLAN
1/32" = 1'-0"



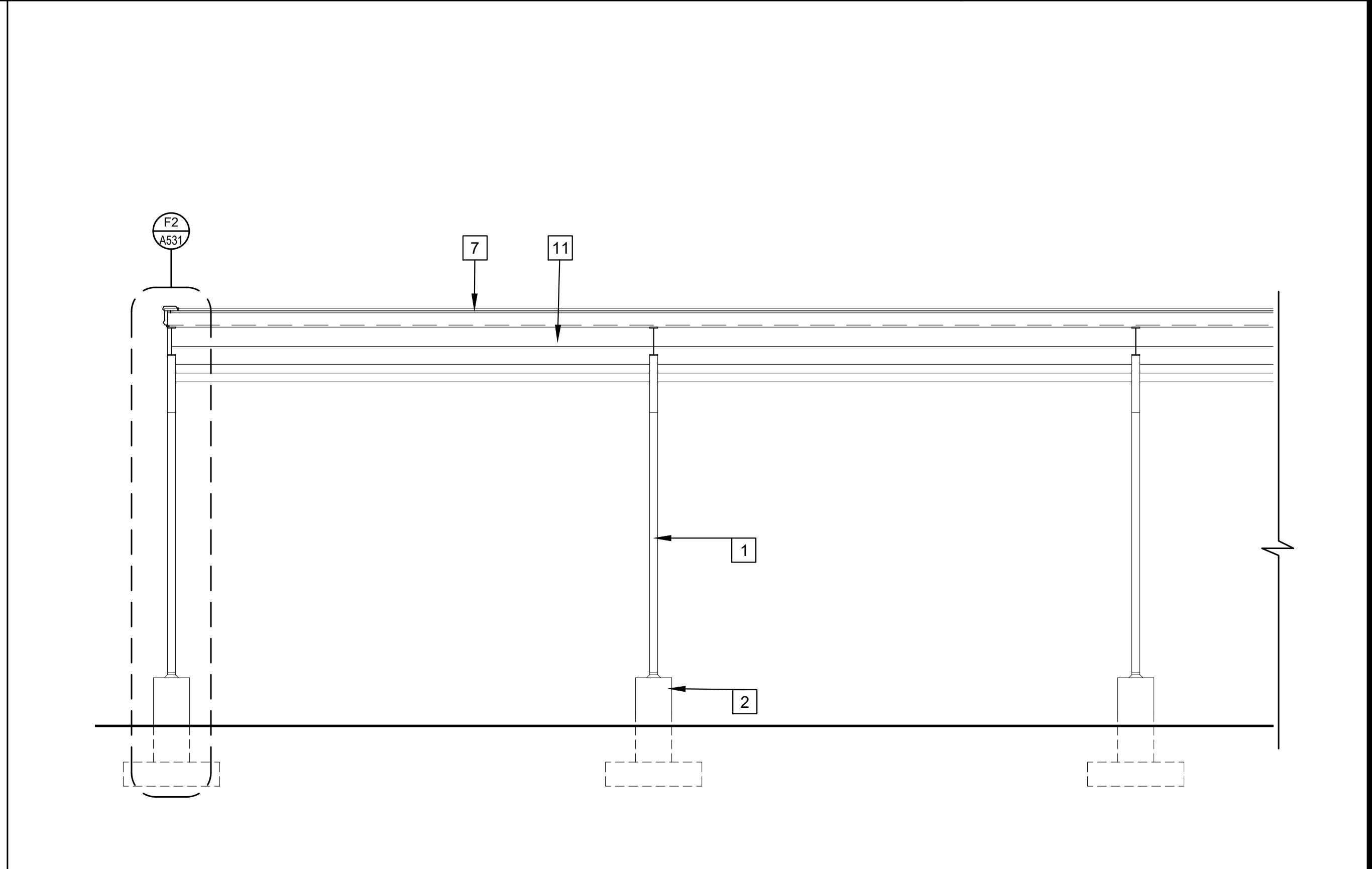
C1 EXTERIOR ELEVATION
1/8" = 1'-0"



C3 EXTERIOR ELEVATION
1/8" = 1'-0"



F1 BUILDING SECTION
1/4" = 1'-0"



F4 PARTIAL BUILDING SECTION
1/4" = 1'-0"

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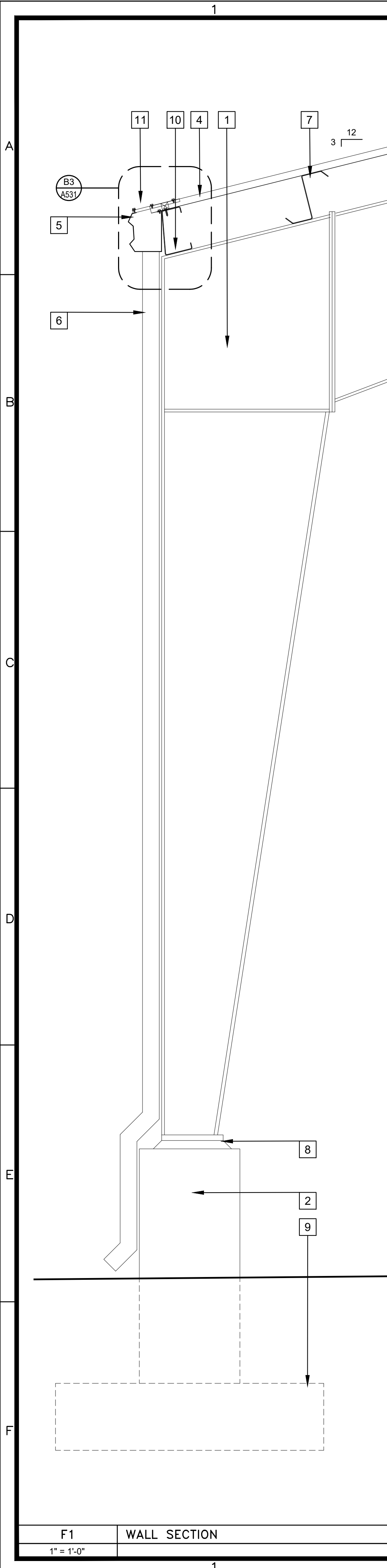
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Fx: 318.445.3988
Em: adg@adgllc.net

* LICENSED ARCHITECT *
* LICENSED ENGINEER *
* LICENSED SURVEYOR *
* LICENSED GEOTECHNICAL ENGINEER *

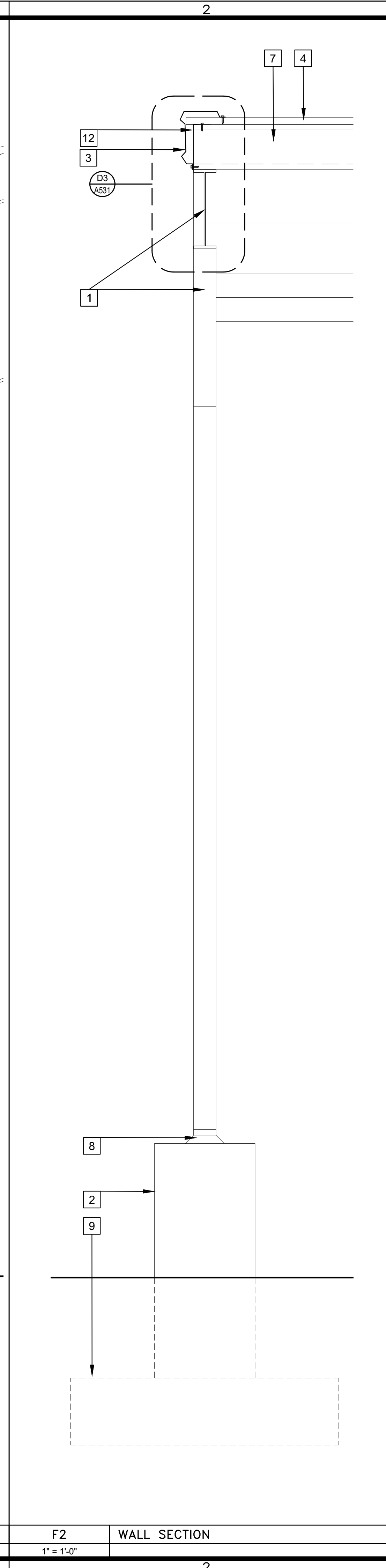
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LSU AG CENTER, ALEXANDRIA, LOUISIANA SITE CODE: 6-40-023 SITE ID: MULTIPLE
PROJECT NO: 19-607-21-01, F:19002617

PROJECT NO: 21011
DRAWN: AJG
CHECKED: AJG
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LAST REV: ---

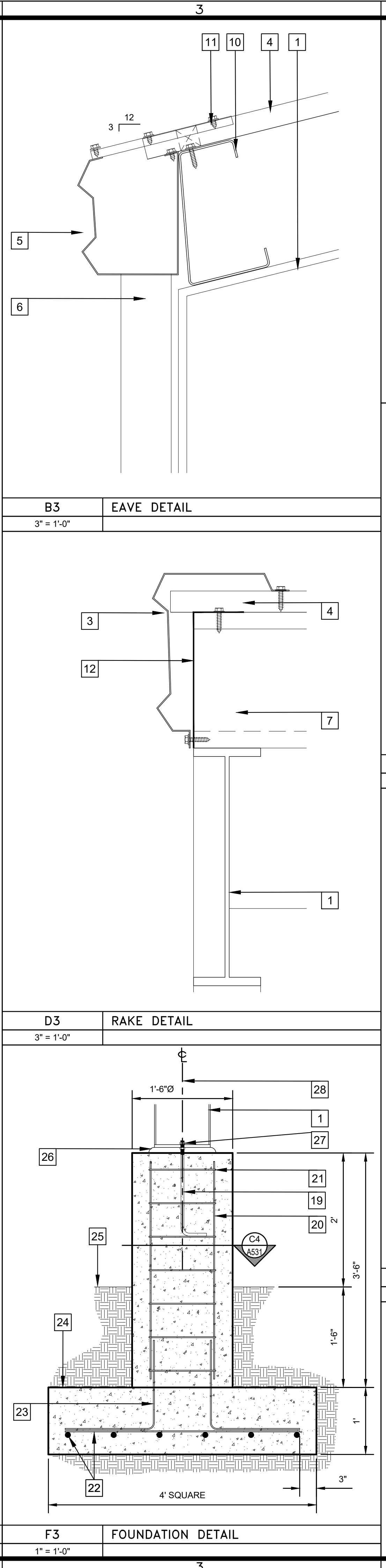
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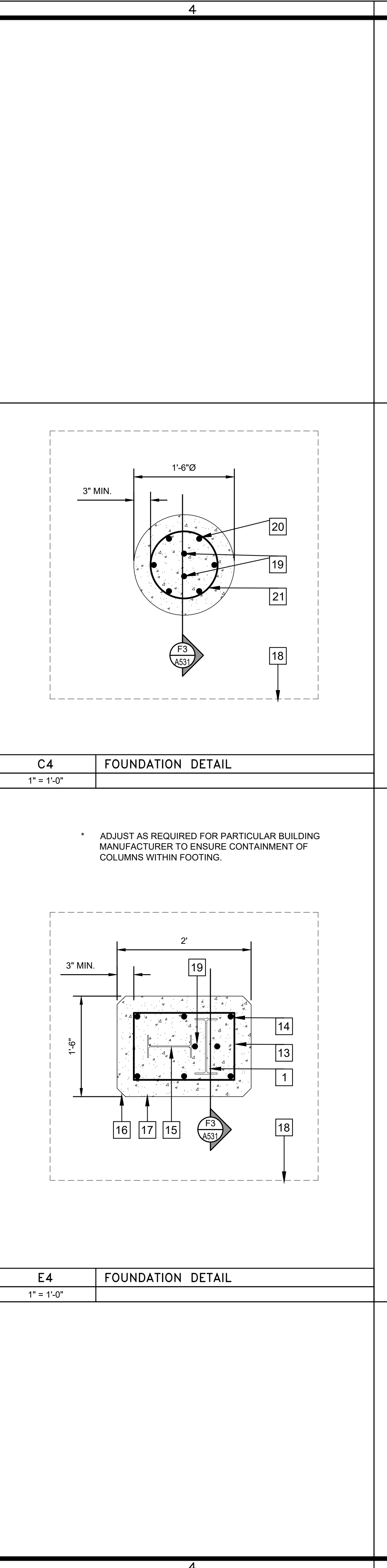
F1 WALL SECTION
1" = 1'-0"



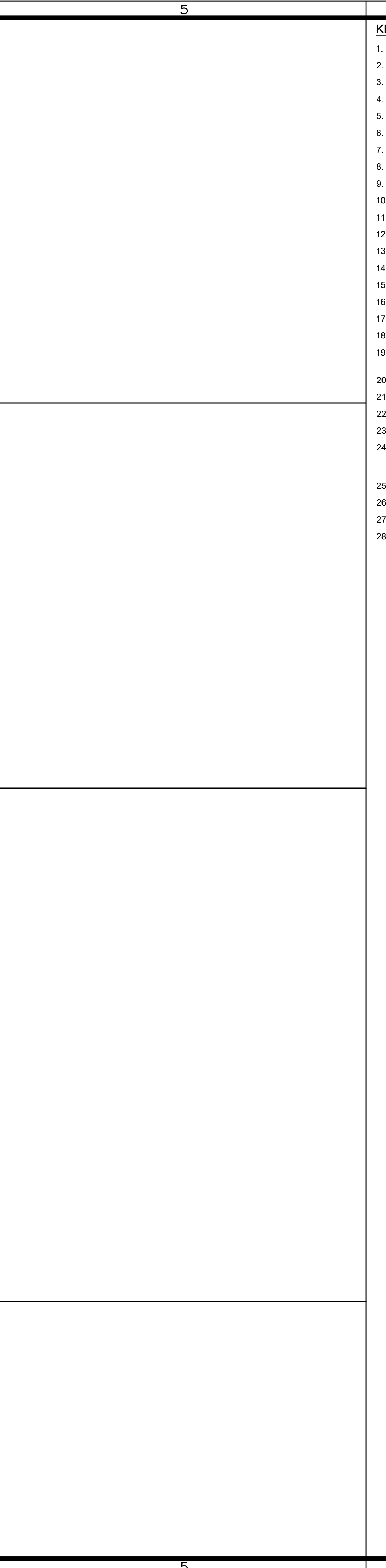
F2 WALL SECTION
1" = 1'-0"



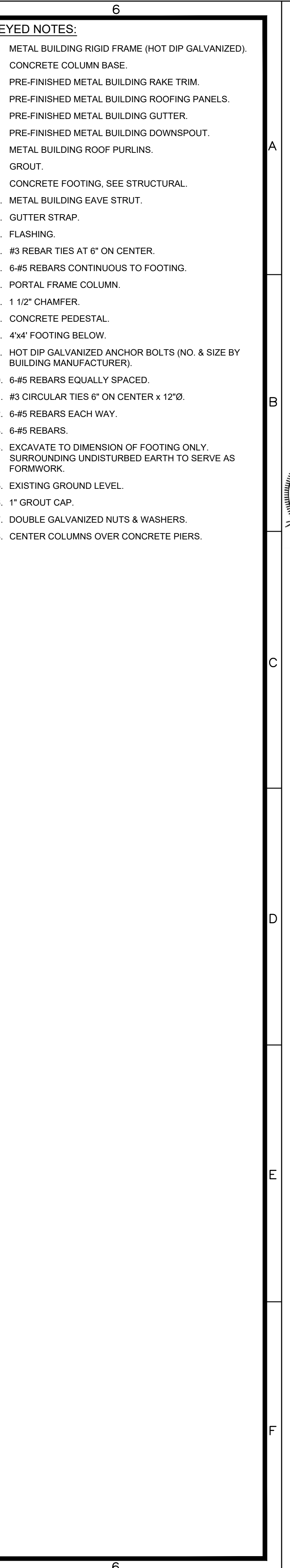
F3 FOUNDATION DETAIL
1" = 1'-0"



F4 FOUNDATION DETAIL
1" = 1'-0"



F5 FOUNDATION DETAIL
1" = 1'-0"



F6 FOUNDATION DETAIL
1" = 1'-0"

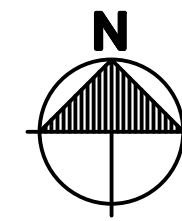
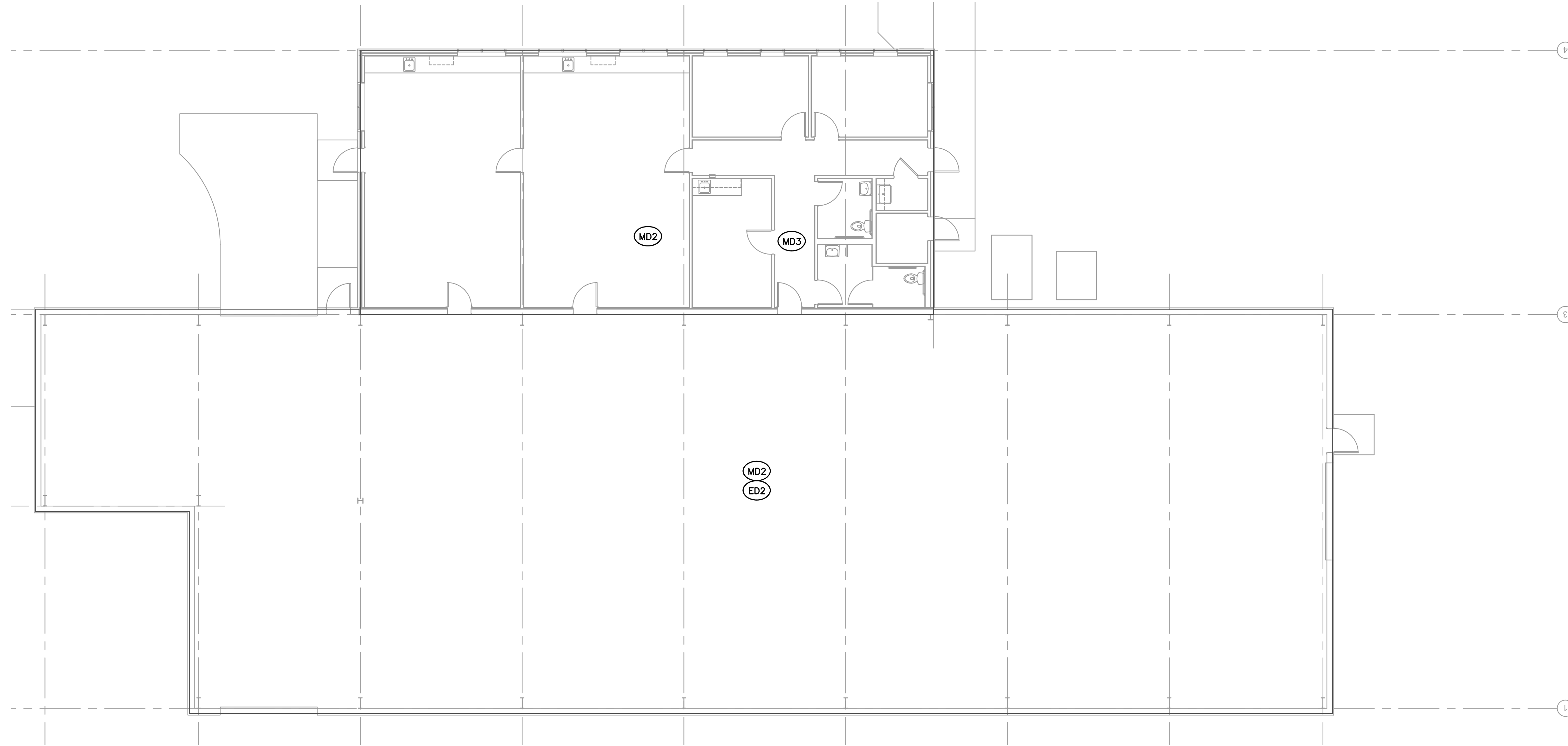
- KEYED NOTES:**
- METAL BUILDING RIGID FRAME (HOT DIP GALVANIZED).
 - CONCRETE COLUMN BASE.
 - PRE-FINISHED METAL BUILDING RAKE TRIM.
 - PRE-FINISHED METAL BUILDING ROOFING PANELS.
 - PRE-FINISHED METAL BUILDING GUTTER.
 - PRE-FINISHED METAL BUILDING DOWNSPOUT.
 - METAL BUILDING ROOF PURLINS.
 - GROUT.
 - CONCRETE FOOTING. SEE STRUCTURAL.
 - METAL BUILDING EAVE STRUT.
 - GUTTER STRAP.
 - FLASHING.
 - #3 REBAR TIES AT 6" ON CENTER.
 - 6-#5 REBARS CONTINUOUS TO FOOTING.
 - PORTAL FRAME COLUMN.
 - 1 1/2" CHAMFER.
 - CONCRETE PEDESTAL.
 - 4'x4' FOOTING BELOW.
 - HOT DIP GALVANIZED ANCHOR BOLTS (NO. & SIZE BY BUILDING MANUFACTURER).
 - 6-#5 REBARS EQUALLY SPACED.
 - #3 CIRCULAR TIES 6" ON CENTER x 12"Ø.
 - 6-#5 REBARS EACH WAY.
 - 6-#5 REBARS.
 - EXCAVATE TO DIMENSION OF FOOTING ONLY. SURROUNDING UNDISTURBED EARTH TO SERVE AS FORMWORK.
 - EXISTING GROUND LEVEL.
 - 1" GROUT CAP.
 - DOUBLE GALVANIZED NUTS & WASHERS.
 - CENTER COLUMNS OVER CONCRETE PIERS.

PROJECT NO: 210111
 DRAWN: AJG
 CHECKED: AJG
 DATE: 06.16.25
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TORNADO DAMAGE BUILDING REPAIRS & RECONSTRUCTION
DEAN LEE RESEARCH AND EXTENSION CENTER
 LSU AG CENTER, ALEXANDRIA, LOUISIANA SITE CODE: 6-40-023 SITE ID: MULTIPLE
 PROJECT NO: 19-607-21-01, F: 19002617

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FLOOR PLAN – SEED BUILDING – MECHANICAL AND ELECTRICAL DEMOLITION

SCALE: 1/8"=1'-0"

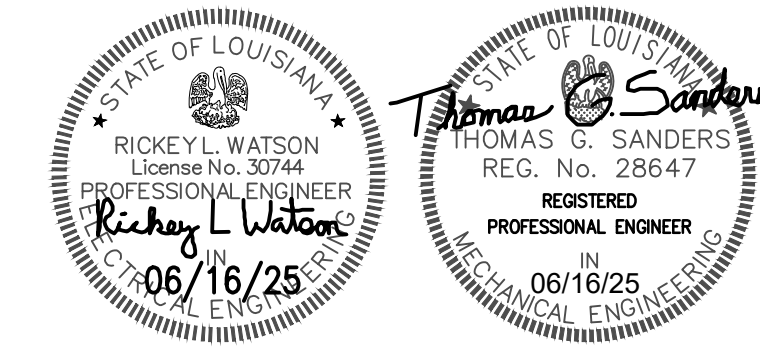
MECHANICAL DEMOLITIONS NOTES:

- EXISTING TO REMAIN
- x-x-x- EXISTING TO BE REMOVED

- (MD1) CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO START OF DEMOLITION.
- (MD2) EXISTING FLOOR PLAN SHOWN FOR INFORMATION PURPOSES ONLY. EXISTING BUILDING HAS BEEN DEMOLISHED DOWN TO SLAB. NO MECHANICAL DEMOLITION IN THIS AREA.
- (MD3) EXISTING PIPING U/S NOT BEING REUSED SHALL BE FILLED, CAPPED BELOW SLAB AND ABANDONED IN PLACE. EXISTING U/S PLUMBING PIPING TO REMAIN AND BE REUSED WHERE APPLICABLE.

ELECTRICAL DEMOLITIONS NOTES:

- (ED1) CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO START OF DEMOLITION.
- (ED2) EXISTING FLOOR PLAN SHOWN FOR INFORMATION PURPOSES ONLY. EXISTING BUILDING IN THIS AREA HAS BEEN DEMOLISHED DOWN TO SLAB. NO ELECTRICAL DEMOLITION IN THIS AREA.
- (ED3) EXISTING U/S ELECTRICAL RACEWAY ROUGH-IN TO BE REUSED WHERE APPLICABLE. CONTRACTOR TO FIELD VERIFY LOCATION AND CONDITION OF RACEWAY. EXISTING U/S ELECTRICAL NOT BEING REUSED SHALL BE FILLED, CAPPED BELOW SLAB AND ABANDONED IN PLACE.



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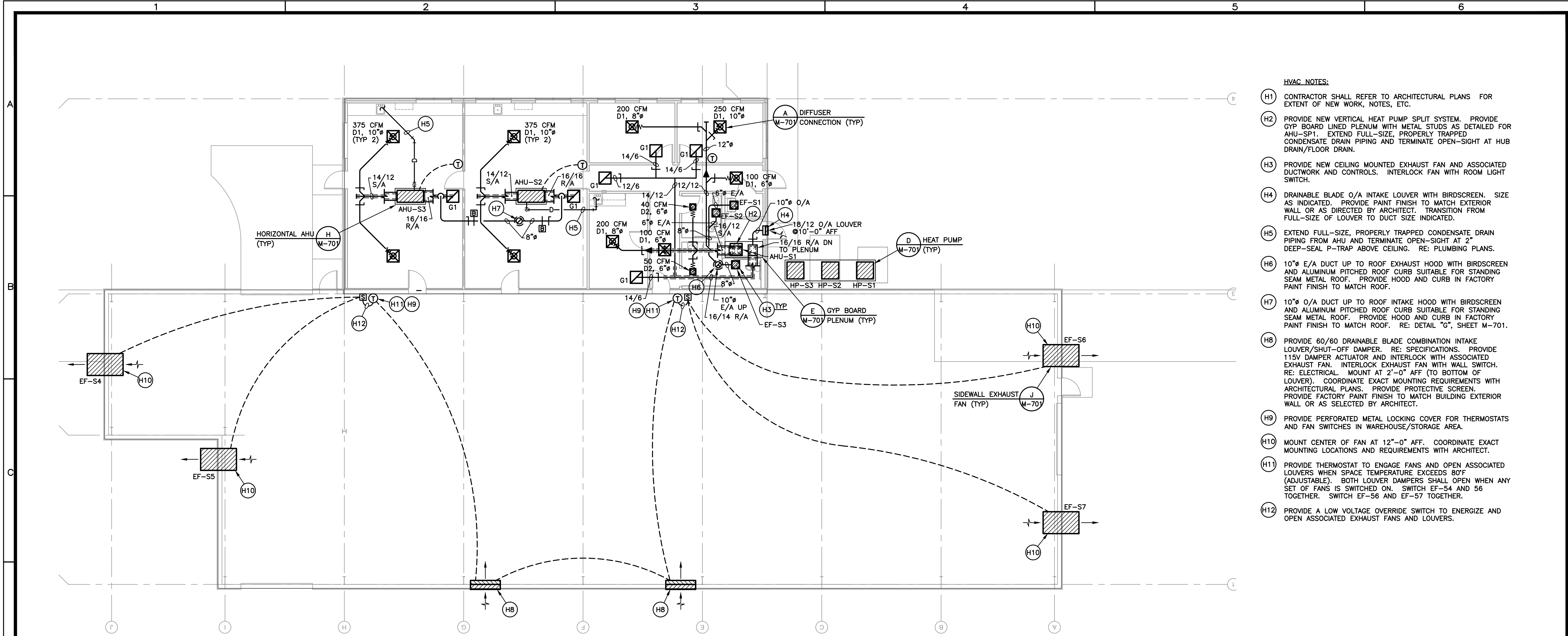
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 PROJECT NO: 19-607-21-01, F:19002617

RAT
 TS/RW
 06.16.25

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MED-101



FLOOR PLAN - SEED BUILDING - HVAC

SCALE: 1/8"=1'-0"

- HVAC NOTES:**
- (H1) CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXTENT OF NEW WORK, NOTES, ETC.
 - (H2) PROVIDE NEW VERTICAL HEAT PUMP SPLIT SYSTEM. PROVIDE GYP BOARD LINED PLENUM WITH METAL STUDS AS DETAILED FOR AHU-SP1. EXTEND FULL-SIZE, PROPERLY TRAPPED CONDENSATE DRAIN PIPING AND TERMINATE OPEN-SIGHT AT HUB DRAIN/FLOOR DRAIN.
 - (H3) PROVIDE NEW CEILING MOUNTED EXHAUST FAN AND ASSOCIATED DUCTWORK AND CONTROLS. INTERLOCK FAN WITH ROOM LIGHT SWITCH.
 - (H4) DRAINABLE BLADE O/A INTAKE LOUVER WITH BIRDSCREEN. SIZE AS INDICATED. PROVIDE PAINT FINISH TO MATCH EXTERIOR WALL OR AS DIRECTED BY ARCHITECT. TRANSITION FROM FULL-SIZE OF LOUVER TO DUCT SIZE INDICATED.
 - (H5) EXTEND FULL-SIZE, PROPERLY TRAPPED CONDENSATE DRAIN PIPING FROM AHU AND TERMINATE OPEN-SIGHT AT 2" DEEP-SEAL P-TRAP ABOVE CEILING. RE: PLUMBING PLANS.
 - (H6) 10" E/A DUCT UP TO ROOF EXHAUST HOOD WITH BIRDSCREEN AND ALUMINUM PITCHED ROOF CURB SUITABLE FOR STANDING SEAM METAL ROOF. PROVIDE HOOD AND CURB IN FACTORY PAINT FINISH TO MATCH ROOF.
 - (H7) 10" O/A DUCT UP TO ROOF INTAKE HOOD WITH BIRDSCREEN AND ALUMINUM PITCHED ROOF CURB SUITABLE FOR STANDING SEAM METAL ROOF. PROVIDE HOOD AND CURB IN FACTORY PAINT FINISH TO MATCH ROOF. RE: DETAIL "G", SHEET M-701.
 - (H8) PROVIDE 60/60 DRAINABLE BLADE COMBINATION INTAKE LOUVER/SHUT-OFF DAMPER. RE: SPECIFICATIONS. PROVIDE 115V DAMPER ACTUATOR AND INTERLOCK WITH ASSOCIATED EXHAUST FAN. INTERLOCK EXHAUST FAN WITH WALL SWITCH. RE: ELECTRICAL. MOUNT AT 2'-0" AFF (TO BOTTOM OF LOUVER). COORDINATE EXACT MOUNTING REQUIREMENTS WITH ARCHITECTURAL PLANS. PROVIDE PROTECTIVE SCREEN. PROVIDE FACTORY PAINT FINISH TO MATCH BUILDING EXTERIOR WALL OR AS SELECTED BY ARCHITECT.
 - (H9) PROVIDE PERFORATED METAL LOCKING COVER FOR THERMOSTATS AND FAN SWITCHES IN WAREHOUSE/STORAGE AREA.
 - (H10) MOUNT CENTER OF FAN AT 12"-0" AFF. COORDINATE EXACT MOUNTING LOCATIONS AND REQUIREMENTS WITH ARCHITECT.
 - (H11) PROVIDE THERMOSTAT TO ENGAGE FANS AND OPEN ASSOCIATED LOUVERS WHEN SPACE TEMPERATURE EXCEEDS 80°F (ADJUSTABLE). BOTH LOUVER DAMPERS SHALL OPEN WHEN ANY SET OF FANS IS SWITCHED ON. SWITCH EF-54 AND 56 TOGETHER. SWITCH EF-56 AND EF-57 TOGETHER.
 - (H12) PROVIDE A LOW VOLTAGE OVERRIDE SWITCH TO ENERGIZE AND OPEN ASSOCIATED EXHAUST FANS AND LOUVERS.

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 DATE: 06.16.25
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SPLIT SYSTEM HEAT PUMP UNIT SCHEDULE			
MARK-INDOOR UNIT		AHU-S1	AHU-S2, S3
TYPE		VERTICAL	HORIZONTAL
LOCATION		MECH ROOM	ABOVE CEILING
SERVES			
NOMINAL CAPACITY	TONS	2.5	2
FAN			
AIRFLOW	CFM	950	750
ESP	IN WG	0.6	0.5
OUTSIDE AIR	CFM	180	150
DRIVE TYPE		DIRECT	DIRECT
MOTOR HP	HP	0.5	0.5
TYPE			
COOLING			
AIRFLOW	CFM	950	750
EAT (DB/WB)		78.8/64.8	78.8/64.8
GROSS TOTAL CAPACITY	MBH	29.0	22.0
GROSS SENSIBLE CAPACITY	MBH	22.6	17.2
COOLING STAGES		1	1
AMBIENT AIR TEMPERATURE	F	95	95
HEATING (HEAT PUMP)			
AIRFLOW	CFM	950	750
EAT	F	65	65
HIGH HEAT CAPACITY	MBH	28.0	23.0
SOURCE AIR TEMPERATURE	F	47	47
LOW HEAT CAPACITY	MBH	16.0	13.5
SOURCE AIR TEMPERATURE	F	17	17
SUPPLEMENTARY ELECTRIC HEAT			
HEATER	KW	6.0	4.5
HEAT CAPACITY	MBH	20.5	15.4
ELECTRICAL INDOOR UNIT			
SINGLE POINT CONNECTION		YES	YES
VOLTS/PHASE		208/1	208/1
MCA	AMP	41.0	38.0
OCPD	AMP	45.0	35.0
REMARKS		1,2	1,2

- NOTES:
- ELECTRIC HEATER CAPACITY IS RATED AT 208V/1PH OR 208V/3PH.
 - ELECTRIC HEATER TO BE ENERGIZED ONLY FOR DEFROST CYCLE OR TO SUPPLEMENT HEATING CAPACITY.
 - HEAT PUMPS TO HAVE 2-STAGE COMPRESSORS AND AHUs TO HAVE 2-SPEED BLOWERS.
 - ACCEPTABLE MANUFACTURERS: TRANE, CARRIER, LENNOX, YORK.

FAN SCHEDULE											
EF DESIG.	SERVES MOUNT	CFM	EXT. S.P.	RPM	H.P. (WATTS)	VOLTS PHASE	MANUF.	SONES	DRIVE	REMARKS	INTERLOCKS
EF-S1,S2	TOILETS/JAN CEILING	100	0.4"	813	(80)	115/1	GREENHECK, COOK, OR TWIN CITY FAN	2.0	DIRECT		ROOM LIGHT SWITCH
EF-S3	TOILETS CEILING	150	0.4"	900	(130)	115/1	GREENHECK, COOK, OR TWIN CITY FAN	2.5	DIRECT	PROVIDE DISCONNECT; BACKDRAFT DAMPER; FAN SPEED CONTROL; WHITE CEILING GRILLE	ROOM LIGHT SWITCH
EF-S4,S5,S6,S7	SEED WAREHOUSE WALL	4500	0.13"	622	1	208/3	GREENHECK, COOK, OR TWIN CITY FAN	12.8	DIRECT	GRAVITY DAMPER; DAMPER GUARD; SHORT WALL HOUSING WITH INLET SCREEN; WEATHERHOOD; PERMEATECTOR COATING; EC MOTOR WITH VARI-GREEN SPEED CONTROL	FAN SWITCH/T-STAT

THE MECHANICAL CONTRACTOR SHALL COORDINATE THE EXACT VOLTAGE & PHASE OF EACH AND EVERY EQUIPMENT ITEM WITH THE ELECTRICAL CONTRACTOR, PRIOR TO ORDER.

MISCELLANEOUS	
---	NEW CONSTRUCTION
---	EXISTING
---	EXISTING TO BE REMOVED
---	CONNECT TO EXISTING
(X) X	DETAIL NUMBER SHEET NUMBER
	DETAIL DESIGNATION
300 CFM	AIRFLOW
D1, 10"	DEVICE DESIGN, NECK SIZE (TYP 4)
	QUANTITY (IF MORE THAN ONE)
'A'	'A' "A" - SECTION NUMBER
	SECTION DESIGNATION

AIR DISTRIBUTION DEVICE SCHEDULE							
TYPE	DESCRIPTION	MOUNTING	MANUFACTURER CATALOG NO.	MATERIAL	FINISH	ACCESSORIES/REMARKS	
D1	SQUARE CEILING DIFFUSER	LAY-IN CEILING	TITUS TMS-AA	PRICE ACSD	ALUMINUM	BAKED WHITE ENAMEL	24/24 FULLY LOUVERED FACE; 4-WAY THROW UNO; NECK SIZE AS INDICATED
D2	SQUARE CEILING DIFFUSER	LAY-IN CEILING	TITUS TDC-AA	PRICE ACSD	ALUMINUM	BAKED WHITE ENAMEL	12/12 FULLY LOUVERED FACE; 4-WAY THROW UNO; NECK SIZE AS INDICATED
G1	CEILING RETURN/EXHAUST GRILLE	LAY-IN CEILING	TITUS 50F	PRICE 80D	ALUMINUM	BAKED WHITE ENAMEL	24/24 PANEL; 1/2 X 1/2 X 1/2 EGG CRATE CORE
G2	CEILING RETURN/EXHAUST GRILLE	LAY-IN CEILING	TITUS 50F	PRICE 80D	ALUMINUM	BAKED WHITE ENAMEL	12/12 PANEL 1/2 X 1/2 X 1/2 EGG CRATE CORE

NOTE: COORDINATE EXACT CEILING/WALL TYPE AND MOUNTING REQUIREMENTS WITH ARCHITECTURAL PLANS.
* PROVIDE TITUS RAPID MOUNT FRAME (TRM) FOR ALL LAY-IN T-BAR DEVICES MTD IN HARD CLG.

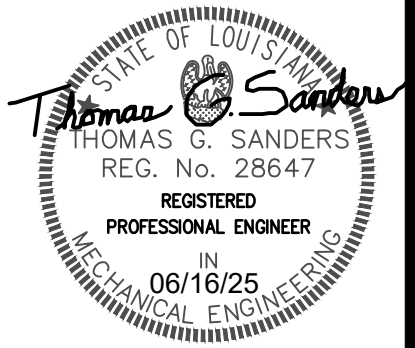
HVAC LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
[Symbol]	SUPPLY AIR DIFFUSER OR DUCT	[Symbol]	ABOVE FINISHED FLOOR
[Symbol]	RETURN AIR GRILLE, REGISTER OR DUCT	[Symbol]	ENTERING AIR TEMPERATURE
[Symbol]	EXHAUST AIR GRILLE, REGISTER OR DUCT	[Symbol]	LEAVING AIR TEMPERATURE
[Symbol]	ADJUSTABLE SPLITTER TEE W/TURNING VANES (S/A ONLY)	[Symbol]	AIR-COOLED CONDENSING UNIT
[Symbol]	DUCT TRANSITION - CONCENTRIC, ECCENTRIC	[Symbol]	AIR-COOLED HEAT PUMP
[Symbol]	UNDERGROUND	[Symbol]	SUPPLY AIR
[Symbol]	FLEXIBLE DUCT	[Symbol]	RETURN AIR
[Symbol]	LINED DUCTWORK	[Symbol]	EXHAUST AIR
[Symbol]	ELBOW W/DOUBLE THICKNESS VANES	[Symbol]	OUTSIDE AIR
[Symbol]	MANUAL VOLUME DAMPER	[Symbol]	OPPOSED BLADE DAMPER
[Symbol]	MOTORIZED DAMPER	[Symbol]	EXISTING
[Symbol]	THERMOSTAT	[Symbol]	CONNECT TO EXISTING
[Symbol]	FIRE DAMPER	[Symbol]	OPEN SITE DRAIN
[Symbol]	REFRIGERANT LIQUID	[Symbol]	HUB DRAIN
[Symbol]	REFRIGERANT SUCTION	[Symbol]	CUBIC FEET PER MINUTE
[Symbol]	DRAIN LINE	[Symbol]	TYPICAL
[Symbol]	AUXILIARY DRAIN LINE	[Symbol]	UNLESS NOTED OTHERWISE
[Symbol]	AHU AIR HANDLING UNIT		
[Symbol]	UNDER SLAB		
[Symbol]	EXHAUST FAN		

- GENERAL HVAC NOTES:
- ALL FLEXIBLE DUCT SHALL BE FULLY EXTENDED, FREE OF KINKS, NO LONGER THAN 5'-0" AND SAME SIZE AS DIFFUSER NECK. BRANCH DUCT SIZE SHALL BE EQUAL TO DIFFUSER NECK SIZE, UNLESS NOTED OTHERWISE.
 - ALL DUCTWORK SIZES SHOWN ARE INSIDE FREE AREA DIMENSIONS.
 - ALL DIFFUSERS AND/OR GRILLES LESS THAN FULL CEILING T-BAR SPACINGS SHALL BE INDEPENDENTLY SUPPORTED FROM STRUCTURE ABOVE WITH CEILING TIE WIRES. PROVIDE PLASTER MOUNT FRAMES WITH CONCEALED FASTENERS AS REQUIRED.
 - SEE REFLECTED CEILING PLAN ON ARCHITECTURAL DRAWINGS FOR EXACT CEILING TYPE. COORDINATE AIR DEVICE MOUNTING ACCORDINGLY.
 - PROVIDE NECESSARY OFFSETS TO MAINTAIN MINIMUM 15' DISTANCE BETWEEN OUTSIDE AIR INTAKES AND PLUMBING VENTS, FLUES AND EXHAUST AIR OUTLETS. VERIFY EXACT LOCATIONS WITH ARCHITECT AND ENGINEER.
 - REFRIGERANT PIPE SHALL BE SIZED AS RECOMMENDED BY EQUIPMENT MANUFACTURER. PRECHARGED LINE SETS ARE NOT ACCEPTABLE.
 - PROVIDE FLEXIBLE DUCT CONNECTIONS AT ALL AHUs, RTUs AND EFs.
 - FIRE DAMPER AS APPROVED BY LOCAL GOVERNING AUTHORITIES SHALL BE INSTALLED IN ALL DUCTWORK PASSING THRU A ROOF, FIRE PARTITION, FIRE BARRIER, OR FIRE WALL. PROVIDE ACCESS.
 - EXTEND AND TERMINATE CONDENSATE DRAIN OPEN-SITE AT 2" DEEP SEAL P-TRAP FROM EACH AHU OR AT NEAREST ROOF DRAIN FROM EACH RTU. COORDINATE WITH PLUMBING CONTRACTOR.
 - THE SIZE AND WEIGHT OF ALL HVAC EQUIPMENT IS BASED ON THE MANUFACTURER'S PUBLISHED DATA FOR THE SPECIFIED EQUIPMENT ITEMS. CONTRACTOR SHALL VERIFY THE EXACT WEIGHT OF THE SUBMITTED HVAC EQUIPMENT WITH THE STRUCTURAL ENGINEER, PRIOR TO INSTALLATION.
 - PROVIDE FULL SIZE VERTICAL DUCT DROP TO ALL EXHAUST/RETURN AIR DEVICES.
 - EQUIPMENT LOCATIONS SHOWN ARE INDICATED IN THEIR GENERAL LOCATIONS. THE CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF EQUIPMENT ALONG WITH DUCTWORK CONNECTIONS AND ROUTING WITH ARCHITECTURAL AND STRUCTURAL FEATURES. PROVIDE OFFSETS AS REQUIRED.
 - CONTRACTOR SHALL FIELD COORDINATE EXACT LOCATION, SIZE, ROUTING, ETC. OF ALL EQUIPMENT, DUCTWORK, AIR DEVICES, PIPING, CONDUIT, ETC. PRIOR TO WORK OF ANY KIND.

BI-POLAR ION GENERATOR SCHEDULE					
AHU NO.	S/A FLOW	O/A FLOW	GPS QUANTITY	VOLTAGE	MOUNTING LOCATION
S1,S2,S3	750-950	150-180	1	24V	SUPPLY DUCT

THE MECHANICAL CONTRACTOR SHALL COORDINATE THE EXACT VOLTAGE & PHASE OF EACH AND EVERY EQUIPMENT ITEM WITH THE ELECTRICAL CONTRACTOR, PRIOR TO ORDER.

- NOTES:
- ACCEPTABLE MANUFACTURERS: GLOBAL PLASMA SOLUTIONS, ATMOS AIR, AND PHENOMENAL AIRE.
 - MOUNT BI-POLAR ION GENERATOR WHERE INDICATED ON SCHEDULE.
 - IF CONTRACTOR SUBSTITUTES BASIS OF DESIGN WITH ANOTHER MANUFACTURER, CONTRACTOR SHALL COORDINATE ALL ELECTRICAL.
 - BI-POLAR IONIZATION SYSTEMS REQUIRING PERISHABLE GLASS TUBES ARE NOT ACCEPTABLE.
 - ALL MANUFACTURERS MUST PASS UL-867-2007 OZONE CHAMBER TESTING BY EITHER UL OR ETL.
 - EACH ION GENERATOR SHALL BE POWERED BY THE AHU THAT IT SERVES. COORDINATE EXACT REQUIREMENTS WITH AHU AND ION GENERATOR MANUFACTURERS.



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DESIGN SOLVE ENHANCE

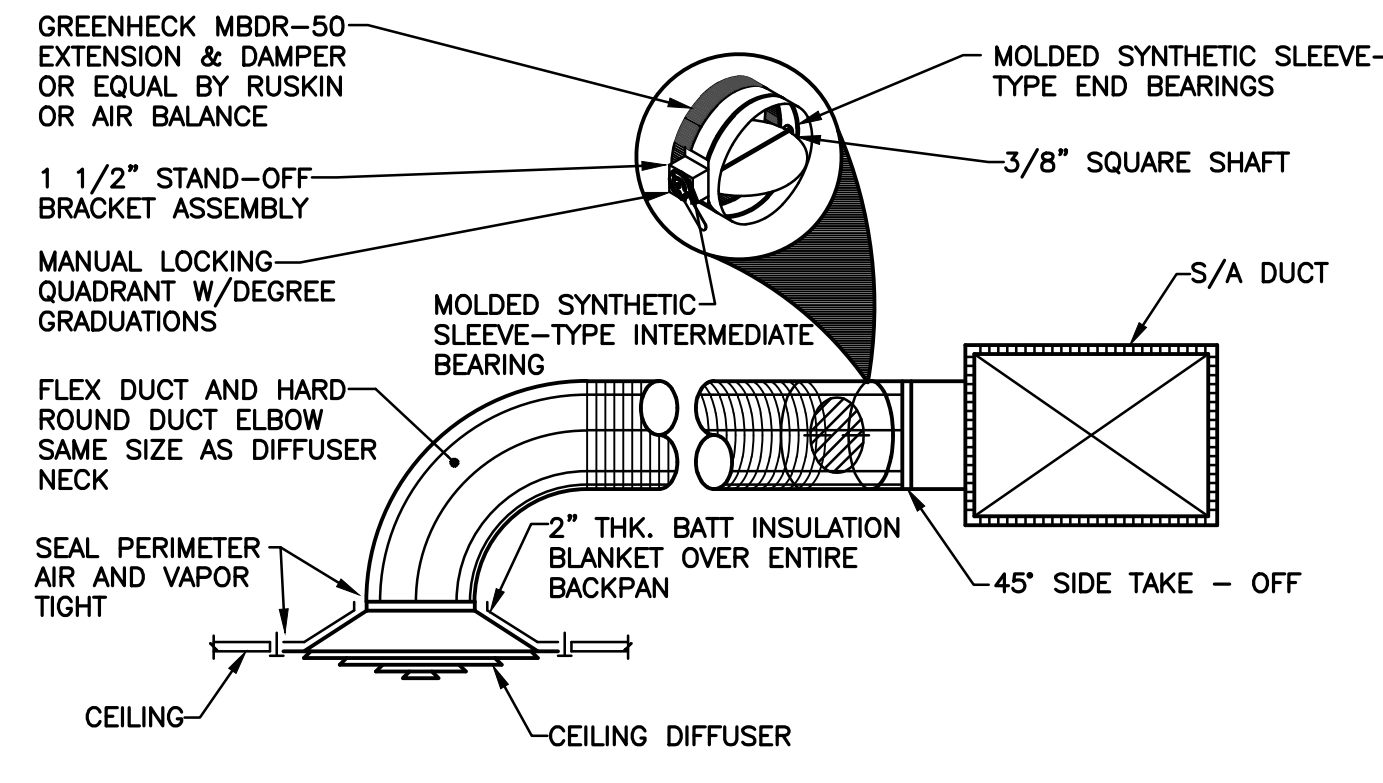
SUBMISSION OF BID WILL BE CONSIDERED ACKNOWLEDGMENT THAT THE CONTRACTOR HAS NOTIFIED THE SITE AND HAS IDENTIFIED ALL EXISTING JOB CONDITIONS AND NECESSARY NECESSARY MODIFICATION TO EXISTING AND NEW WORK REQUIRED FOR INSTALLATION OF A COMPLETE AND WORKING SYSTEM. 5-200-1780-002

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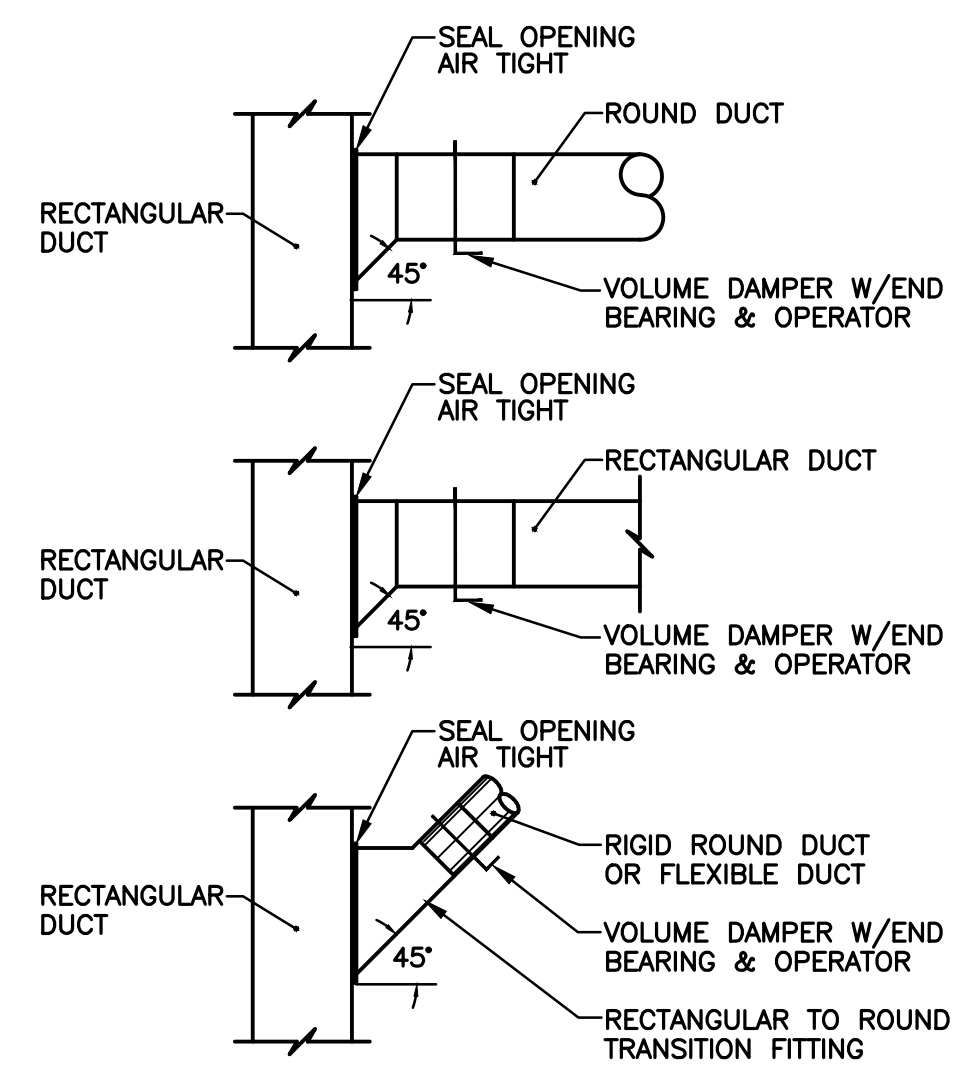
TORNADO DAMAGE BUILDING REPAIRS & RECONSTRUCTION
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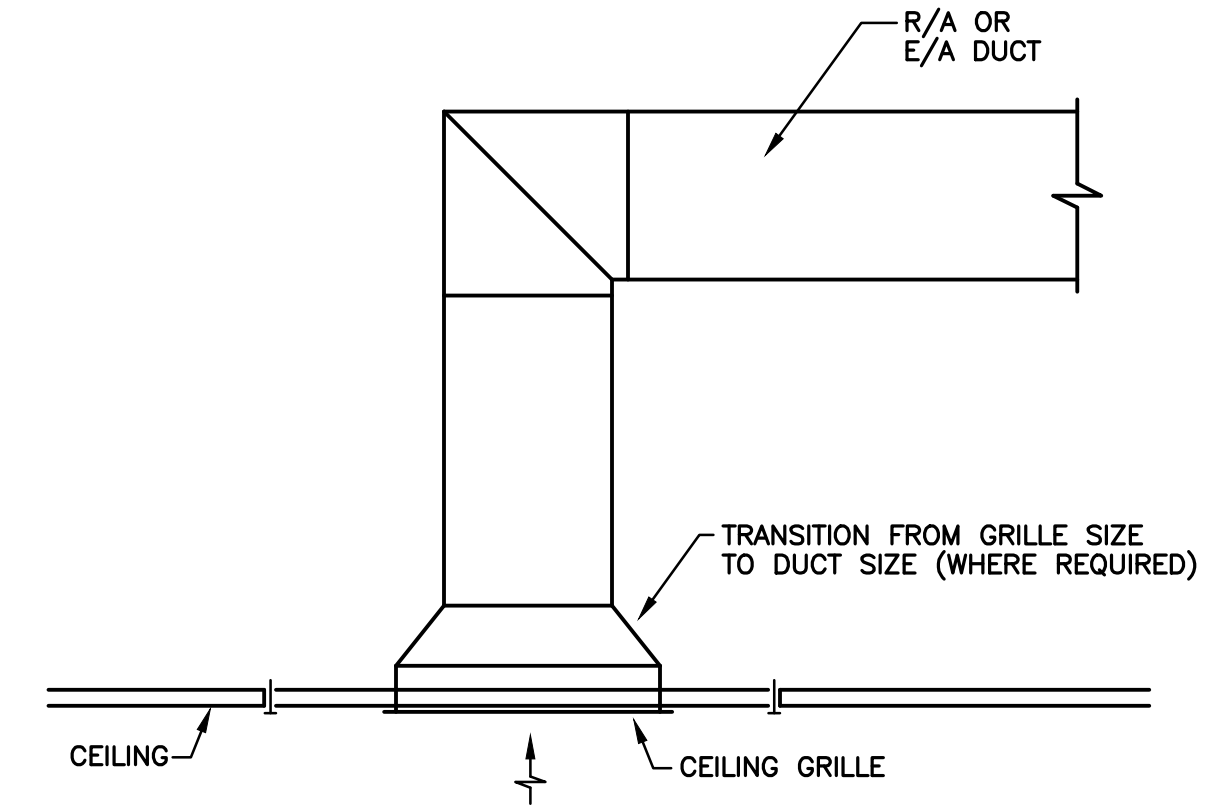
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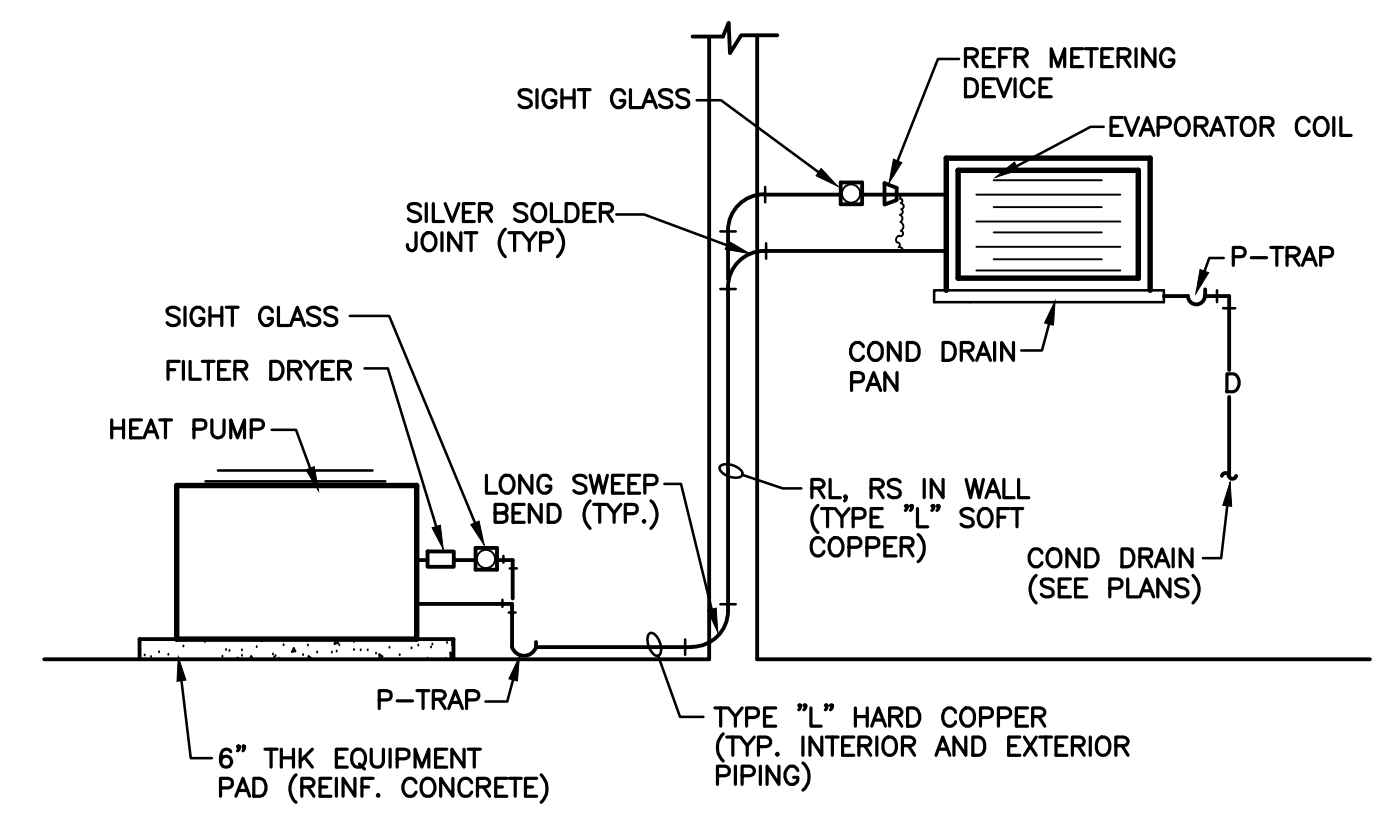
A DETAIL - DIFFUSER CONNECTION
NO SCALE



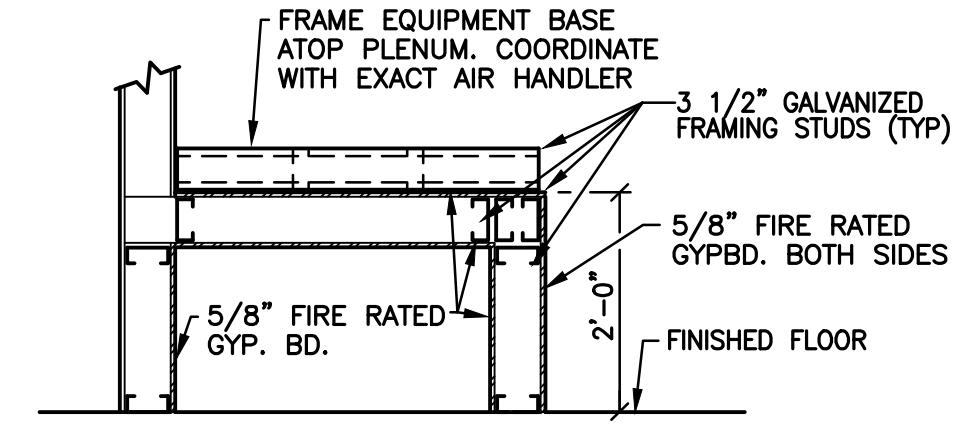
B DETAIL - DUCT TAKE-OFFS
NO SCALE



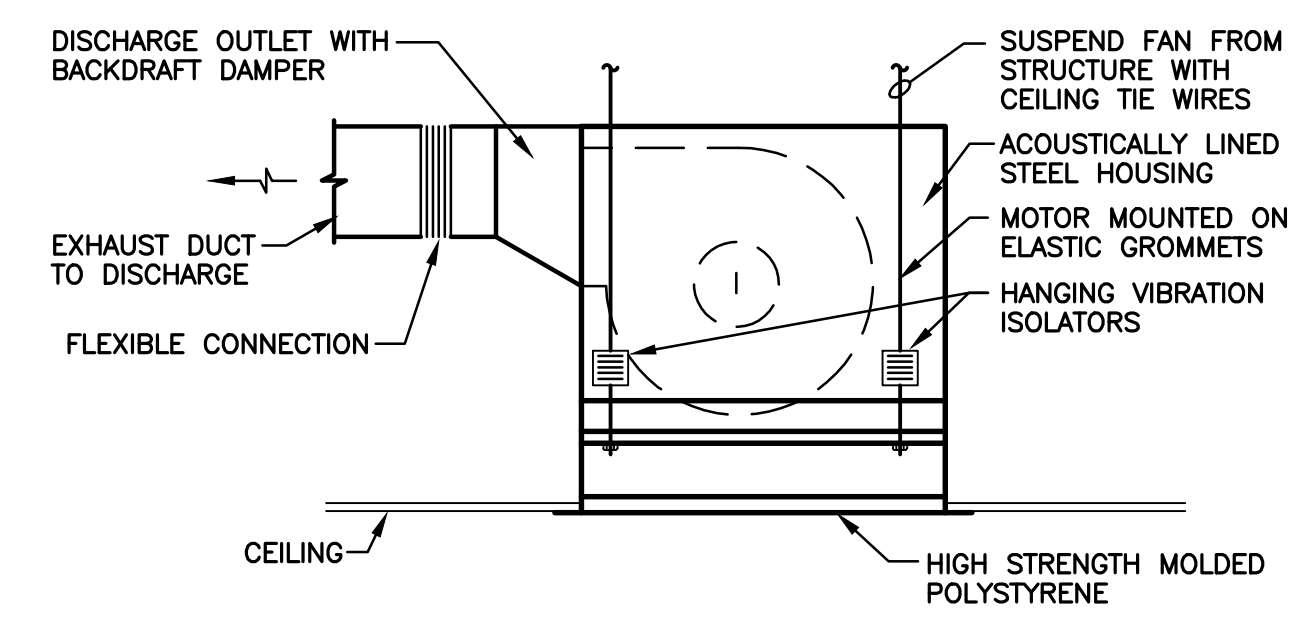
C DETAIL - RETURN/EXHAUST GRILLE
NO SCALE



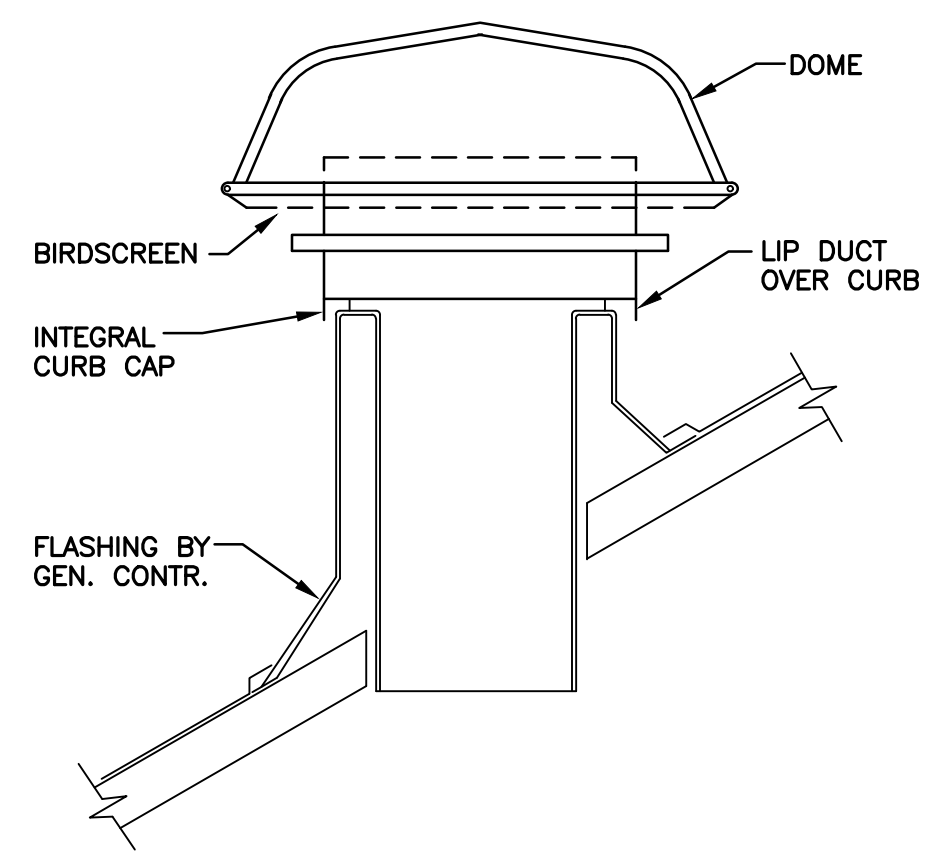
D DETAIL - HEAT PUMP UNIT ON GROUND
NO SCALE
NOTE: REFRIGERANT PIPING IN WALL SHALL BE TYPE \"L\" SOFT COPPER WITH LONG RADIUS BENDS OUT WALL. JOINTS IN WALL ARE NOT ACCEPTABLE.



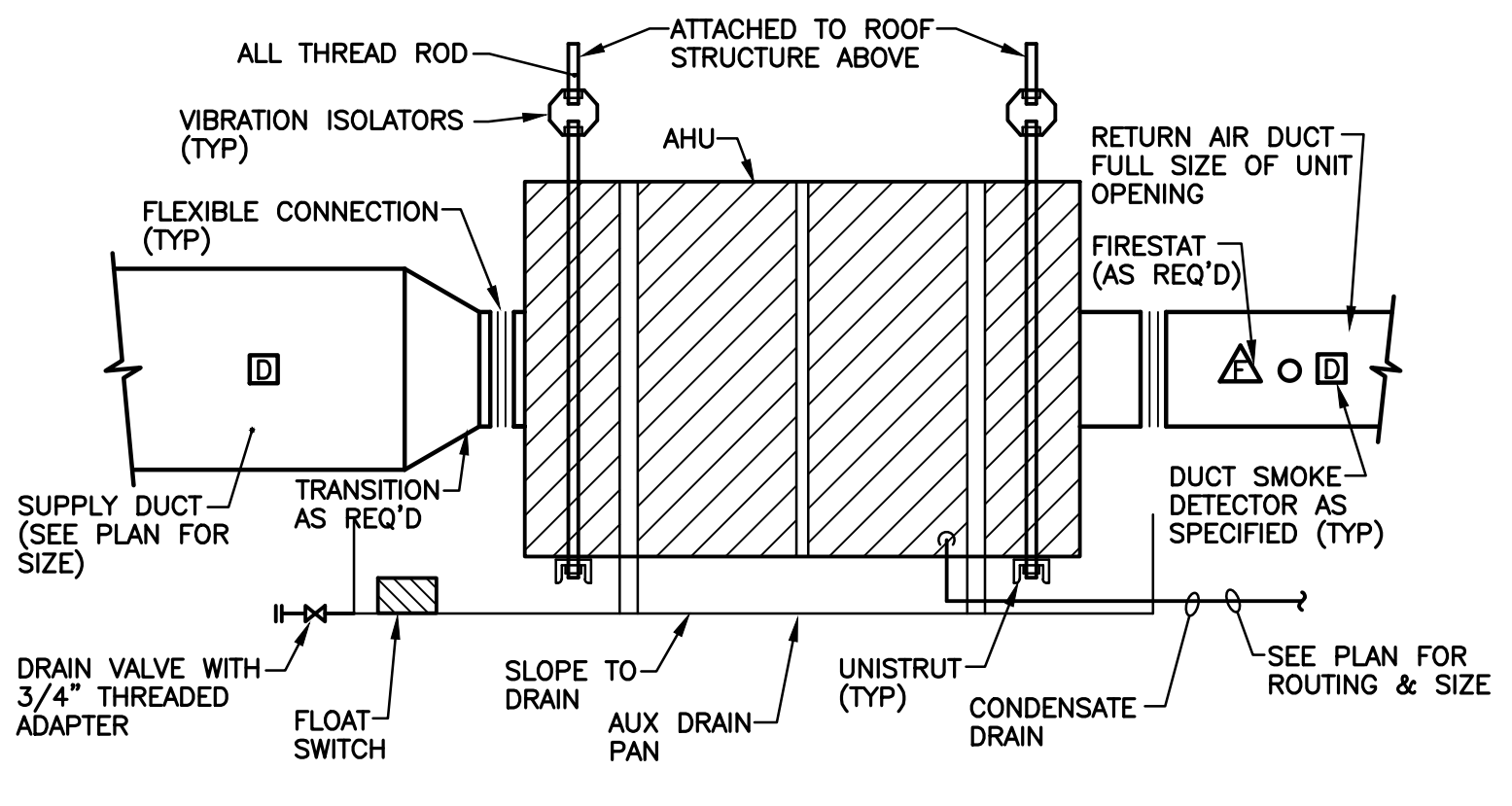
E DETAIL - GYP. BOARD LINED PLENUM (METAL STUD CONST.)
NO SCALE



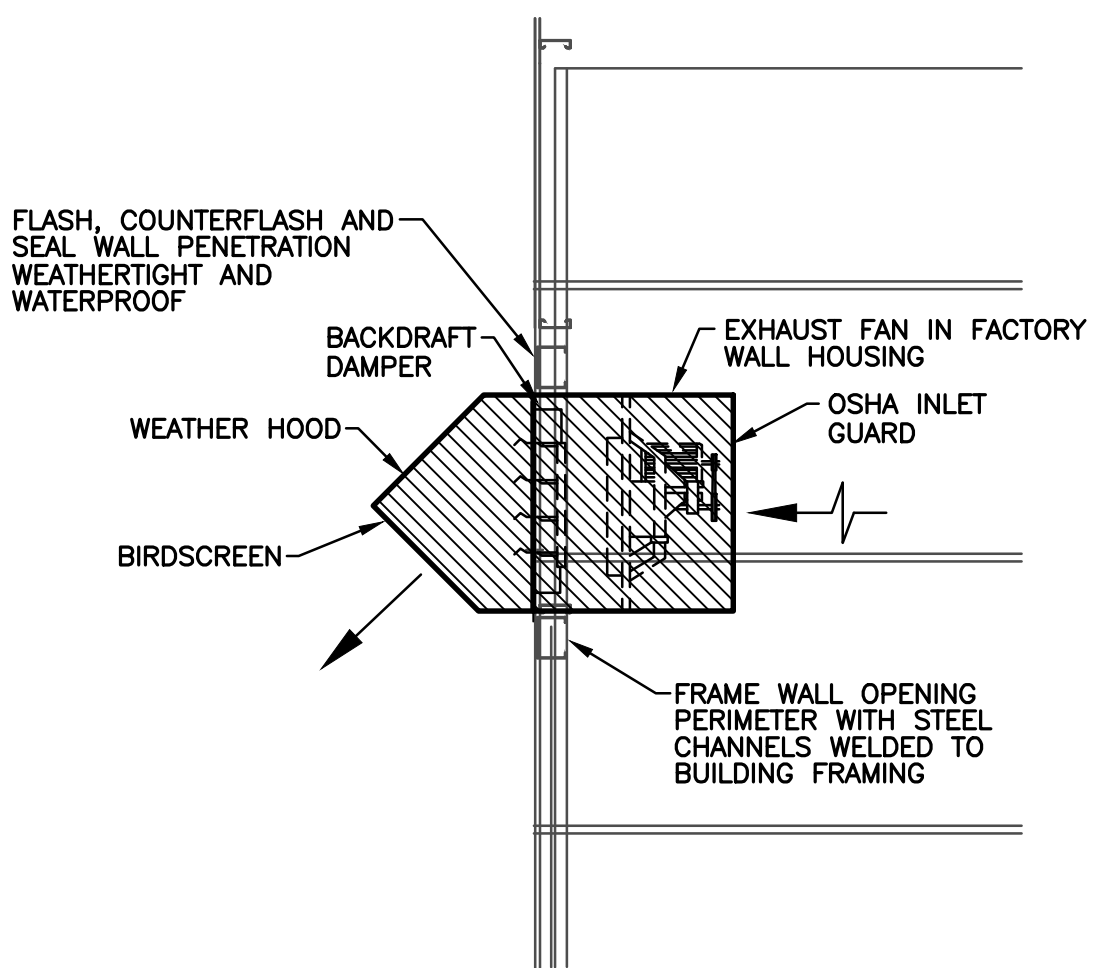
F DETAIL - CEILING MOUNTED EXHAUST FAN
NO SCALE



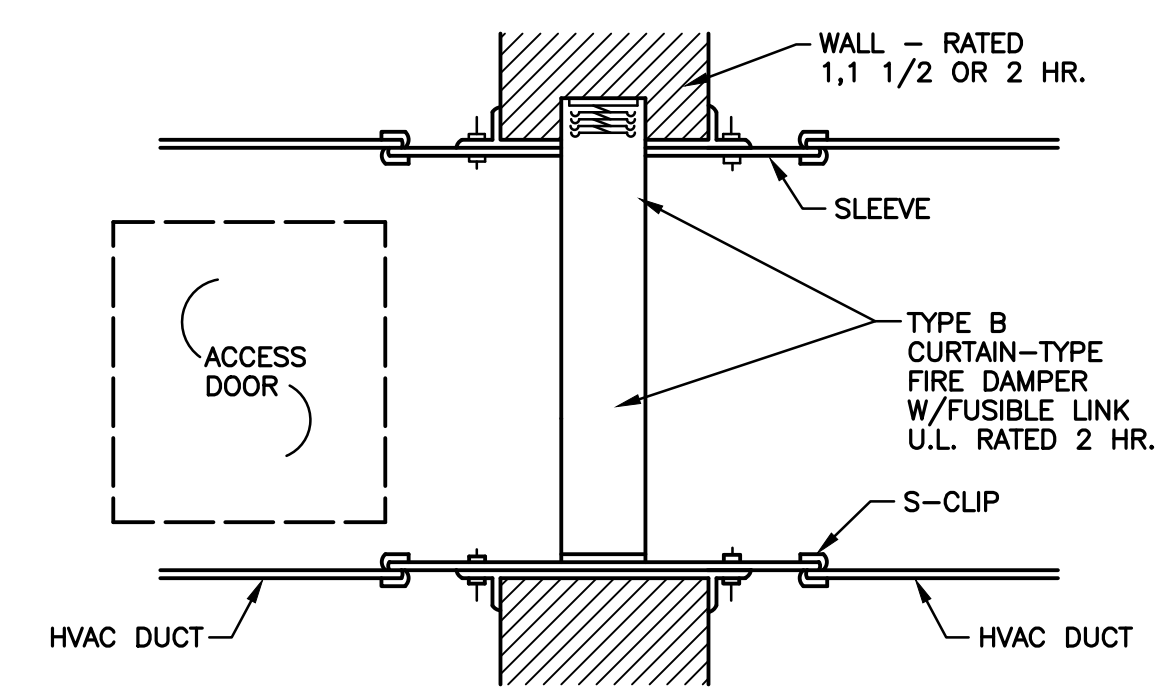
G DETAIL - INTAKE/EXHAUST HOOD (SLOPED ROOF)
NO SCALE



H DETAIL - SUSPENDED HORIZONTAL AHU
NO SCALE



J DETAIL - SIDEWALL EXHAUST FAN
NO SCALE



K DETAIL - FIRE DAMPER
NOTE: FIRE WALLS RATED 1, 1 1/2 OR 2 HOURS.
NO SCALE

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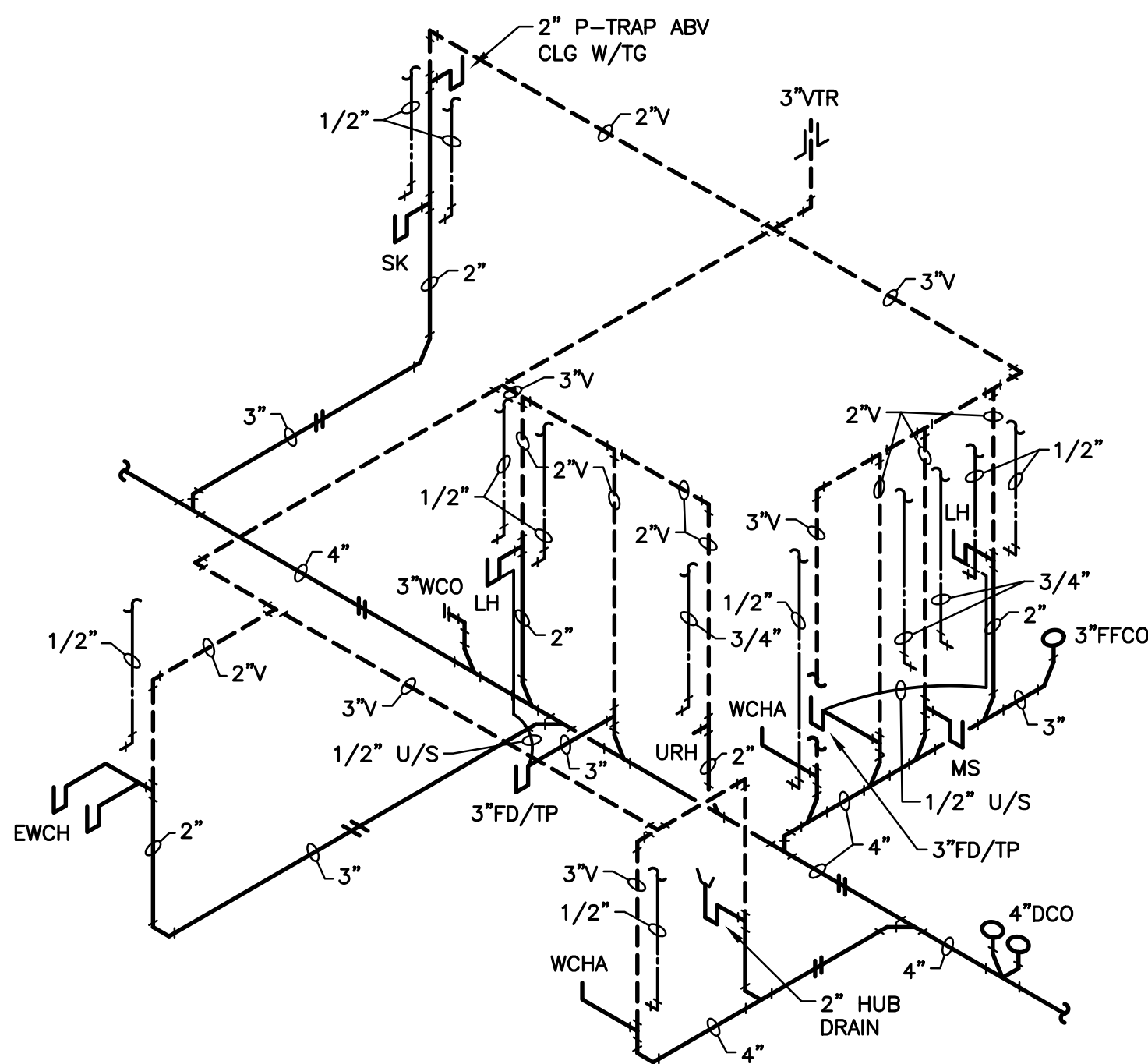
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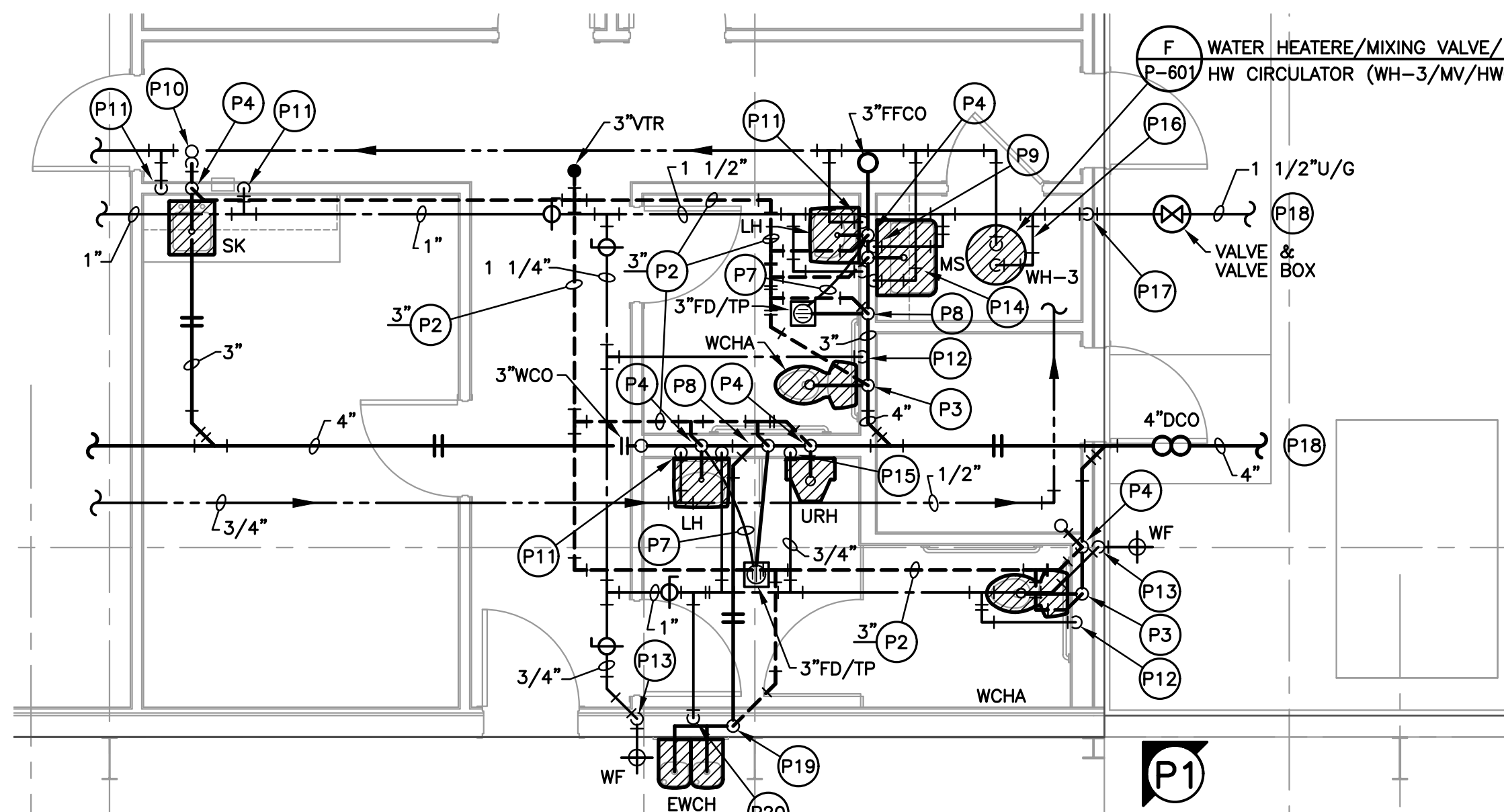
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DRAWN: THOMAS G. SANDERS
CHECKED: [Signature]
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LAST REV: [Signature]

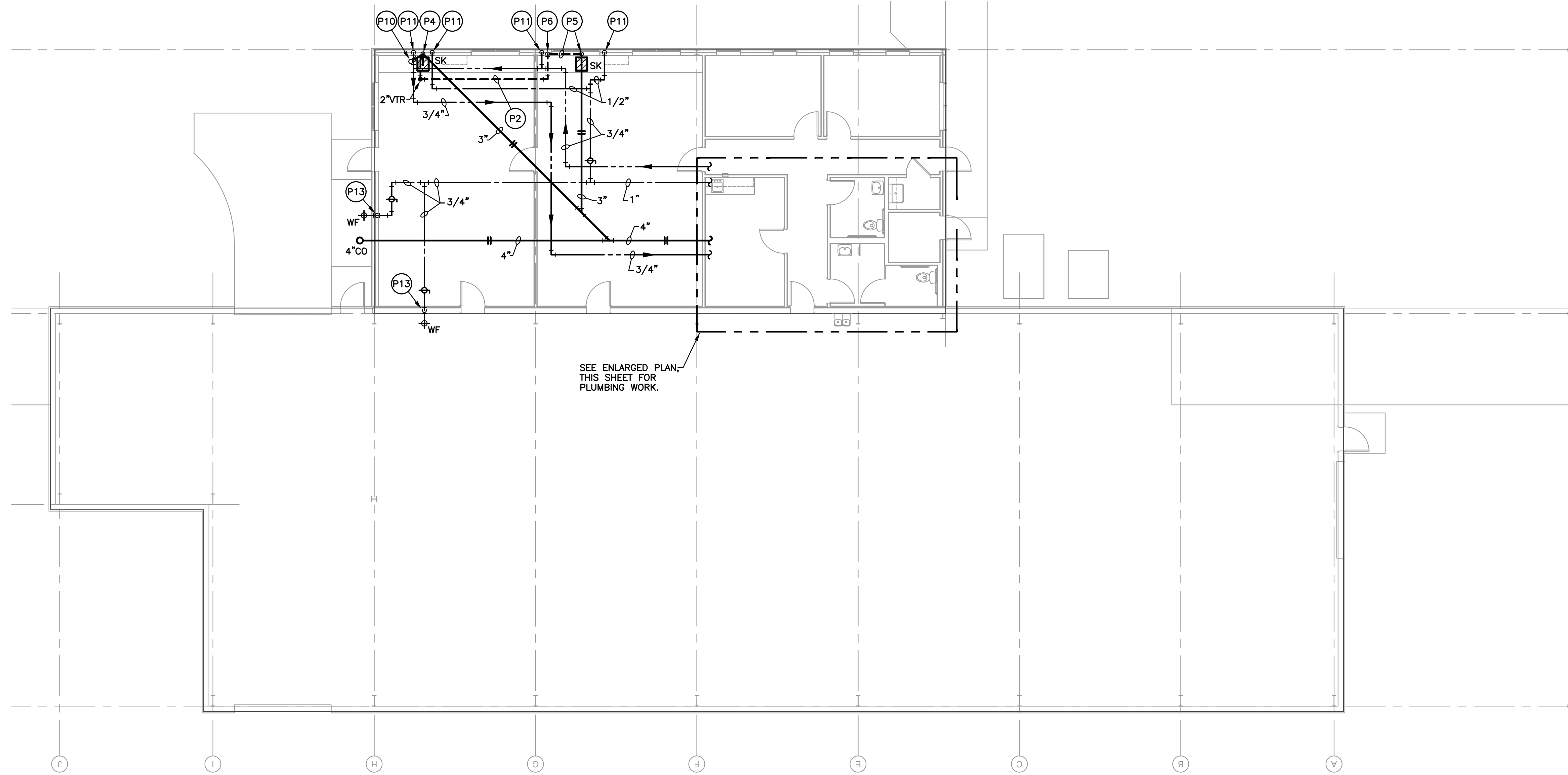
M-701



P1 PLUMBING RISER
NO SCALE



ENLARGED PARTIAL PLAN - PLUMBING
SCALE: 1/4\"=1'-0\"



FLOOR PLAN - SEED BUILDING - PLUMBING
SCALE: 1/8\"=1'-0\"

- PLUMBING NOTES:**
- (P1) REFER TO SHEET P-601 FOR PLUMBING GENERAL NOTES.
 - (P2) SANITARY VENT PIPING ABOVE CEILING, HIGH THROUGH STRUCTURE ABOVE; 2" UNLESS NOTED OTHERWISE.
 - (P3) REDUCING COMBINATION (OR 4" SWEEP ELBOW WITH REDUCING BUSHING AS APPLICABLE) WITH 4" WASTE/VENT STACK. PROVIDE 4" WASTE ARM BRANCH CONNECTIONS AND 4" WASTE ARM UNDERSLAB TO 4" CLOSET BEND AND CLOSET FLANGE FOR WATER CLOSET. PROVIDE 4"x3" REDUCING BUSHING AND EXTEND 3" VENT UP IN WALL TO ABOVE CEILING. DELETE REDUCING BUSHING AND EXTEND 4" WASTE/VENT STACK UP IN WALL AND THRU ROOF AT ALL 4" VTRs.
 - (P4) SWEEP ELBOW WITH REDUCING BUSHING OR REDUCING COMBINATION WITH 2" WASTE/VENT STACK IN WALL FOR LAVATORY/SINK/URINAL/HUB DRAIN ROUGH-IN CONNECTION. EXTEND 2" VENT UP IN WALL TO ABOVE CEILING.
 - (P5) SWEEP ELBOW WITH REDUCING BUSHING WITH 2" WASTE/VENT STACK FOR SINK. OFFSET 2" V U/C TO AVOID WINDOW, THEN EXTEND UP IN WALL TO ABOVE CEILING.
 - (P6) SANITARY VENT PIPING UP IN WALL/CHASE TO ABOVE CEILING; 2" UNLESS NOTED OTHERWISE.
 - (P7) 1/2" TYPE "L" SOFT COPPER UNDERSLAB FROM "WATER-SAVER" TRAP PRIMING ASSEMBLY. EXTEND AND CONNECT TO FLOOR DRAIN (FD/TP). REFER TO DETAIL 'D', SHEET P-601.
 - (P8) REDUCING COMBINATION WITH 3" WASTE/VENT STACK, 3" SANITARY TEE AND 3" WASTE BRANCH PIPING UNDERSLAB TO DEEP-SEAL P-TRAP AT FLOOR DRAIN/FLOOR SINK; PROVIDE 3"x2" REDUCING BUSHING AND EXTEND 2" VENT UP IN WALL TO ABOVE CEILING.
 - (P9) REDUCING COMBINATION WITH 3" WASTE/VENT STACK. PROVIDE 3" SANITARY TEE WITH WASTE ARM UNDERSLAB TO DEEP-SEAL P-TRAP AND 3" STUB-UP FOR MOP/SERVICE SINK DRAIN CONNECTION. PROVIDE 3"x2" REDUCING BUSHING AND EXTEND 2" VENT UP IN WALL TO ABOVE CEILING.
 - (P10) PROVIDE 2" DEEP-SEAL P-TRAP IN VENT STACK ABOVE CEILING WITH TRAP GUARD INSERT AND FUNNEL FOR HVAC CONDENSATE OPEN-SIGHT TERMINATION. RE: HVAC PIPING PLANS.
 - (P11) 1/2" HOT AND COLD WATER DOWN IN WALL. BRANCH, OFFSET THROUGH WALL FRAMING, EXTEND AND CONNECT TO LAVATORY/SINK FAUCET THROUGH KEYED ANGLE-STOP SUPPLIES.
 - (P12) 1/2" COLD WATER DOWN IN WALL. BRANCH, OFFSET THROUGH WALL FRAMING, EXTEND AND CONNECT TO WATER CLOSET THROUGH KEYED ANGLE-STOP SUPPLY.
 - (P13) 3/4" COLD WATER DOWN IN INTERIOR FRAME WALL. BRANCH, OFFSET THROUGH WALL FRAMING, EXTEND AND CONNECT TO BACKFLOW-PROTECTED FREEZEPROOF WALL FAUCET (WF).
 - (P14) 3/4" HOT AND COLD WATER DOWN IN WALL. BRANCH, OFFSET THROUGH WALL FRAMING, EXTEND AND CONNECT TO JANITOR/SERVICE SINK FAUCET WITH INTEGRAL SERVICE STOPS THROUGH 3/4" x 1/2" REDUCERS.
 - (P15) 3/4" COLD WATER DOWN IN WALL. BRANCH, OFFSET THROUGH WALL FRAMING, EXTEND AND CONNECT TO URINAL FLUSH VALVE WITH INTEGRAL SERVICE STOPS.
 - (P16) WATER HEATER ON PLATFORM ABOVE JANITOR SINK WITH MIXING VALVE. EXTEND P&T RELIEF AND AUXILIARY DRAIN PIPING TO TERMINATE INTO JANITOR SINK. CONNECT 3/4" H&CW TO WATER HEATER AS DETAILED.
 - (P17) 1 1/2"CW UP FROM U/S IN CORNER OF ROOM TIGHT TO WALL TO ABOVE CEILING.
 - (P18) EXTEND AND CONNECT DOMESTIC WATER AND SANITARY SEWER TO EXISTING SERVICES ON SITE. FIELD VERIFY EXACT LOCATIONS AND REQUIREMENTS. CONTRACTOR SHALL FIELD VERIFY ADEQUATE BURIED DEPTH EXISTS AT EXISTING MAIN TO ALLOW PROPER FALL FROM FARTHEST PLUMBING FIXTURE FOR PROPER DRAINAGE. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES/CONFLICTS.
 - (P19) 3" SANITARY SWEEP ELBOW WITH 3"x2" REDUCING BUSHING AND 2" WASTE/VENT STACK IN WALL. EXTEND 2" VENT UP IN WALL TO ABOVE CEILING.
 - (P20) 1/2" COLD WATER DOWN IN WALL. BRANCH, OFFSET THROUGH WALL FRAMING, EXTEND & CONNECT TO WATER COOLER THROUGH KEYED ANGLE-STOP SUPPLY.

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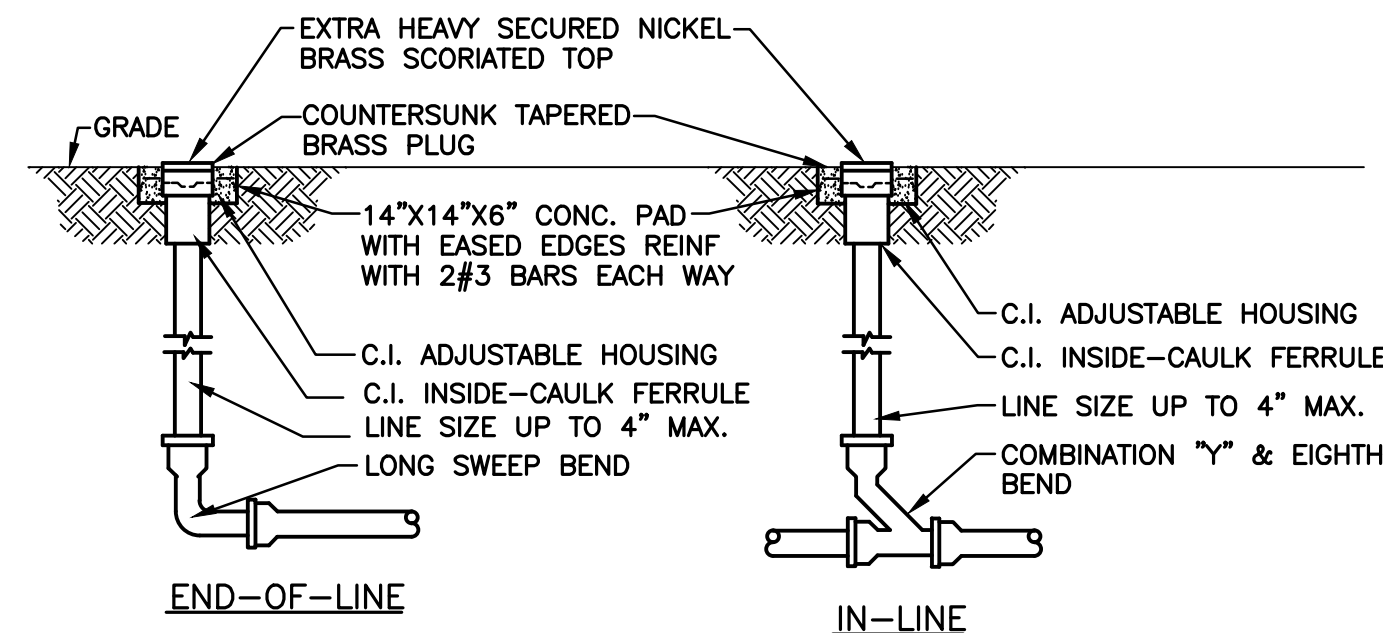
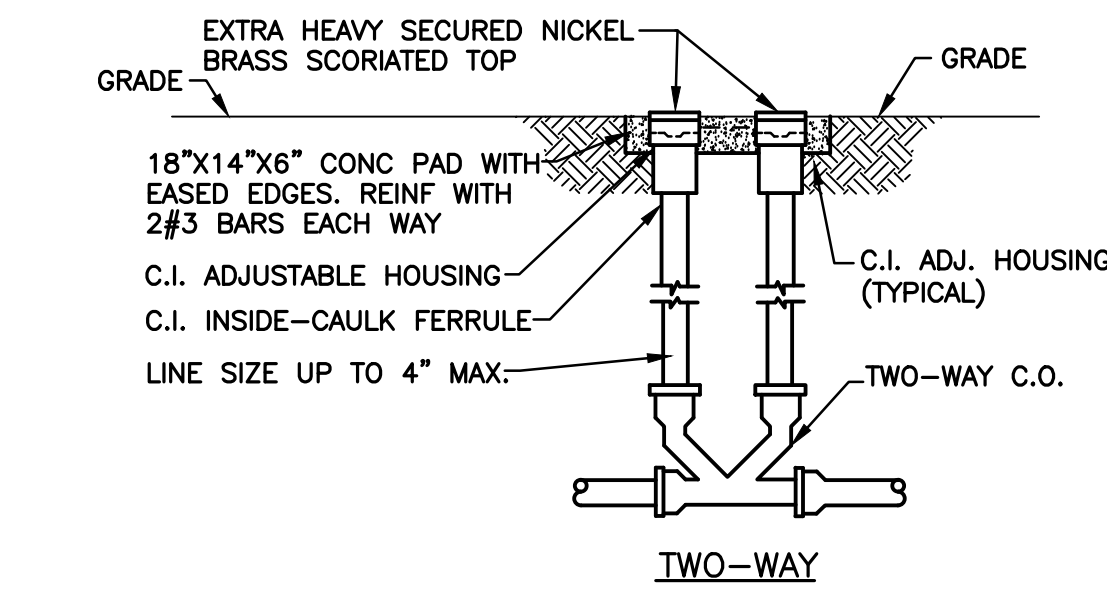
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TORNADO DAMAGE BUILDING REPAIRS & RECONSTRUCTION
DEAN LEE RESEARCH AND EXTENSION CENTER
 LSU AG CENTER, ALEXANDRIA, LOUISIANA SITE CODE: 6-40-023 SITE ID: MULTIPLE
 PROJECT NO: 19-607-21-01, F.19002617

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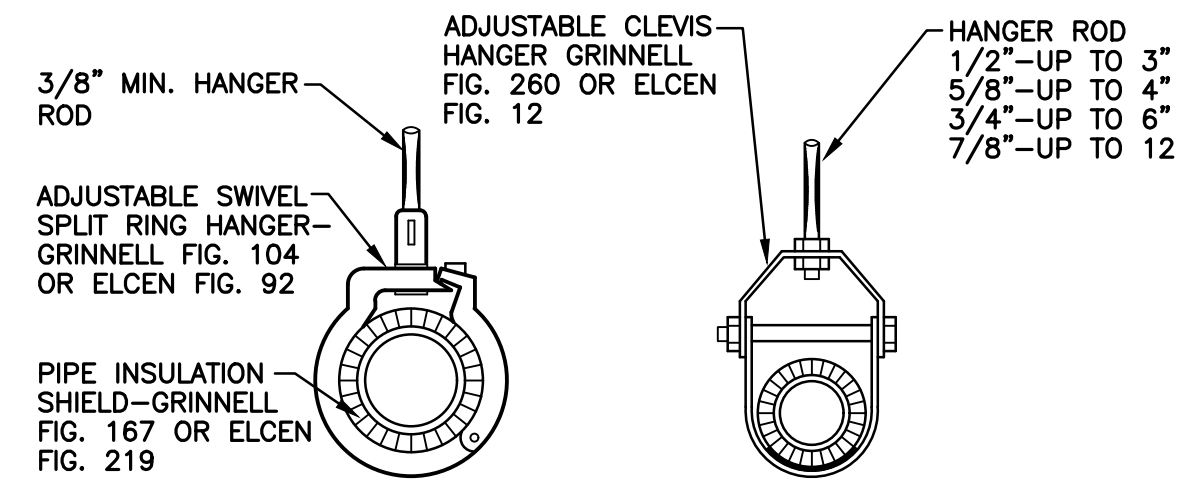
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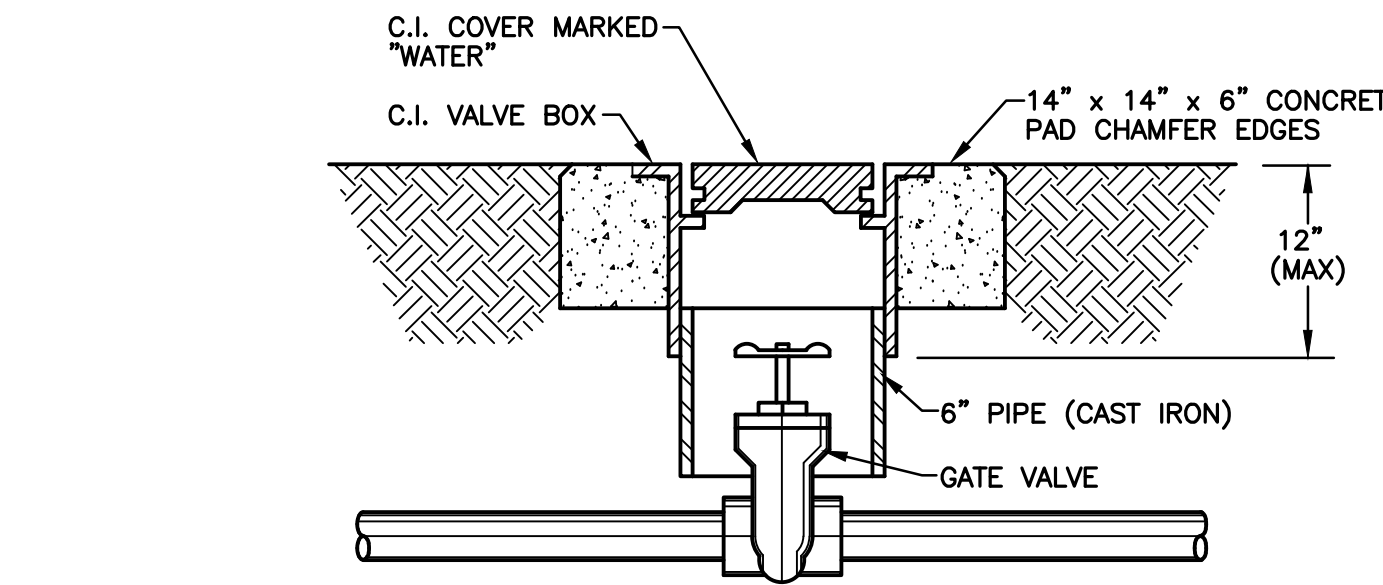
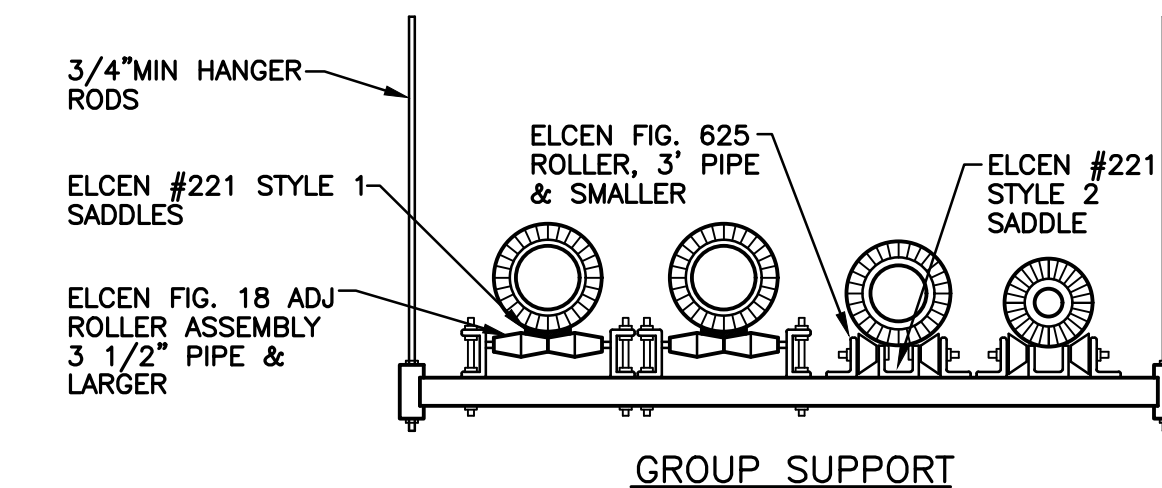
A DETAIL - EXTERIOR CLEANOUTS

NO SCALE



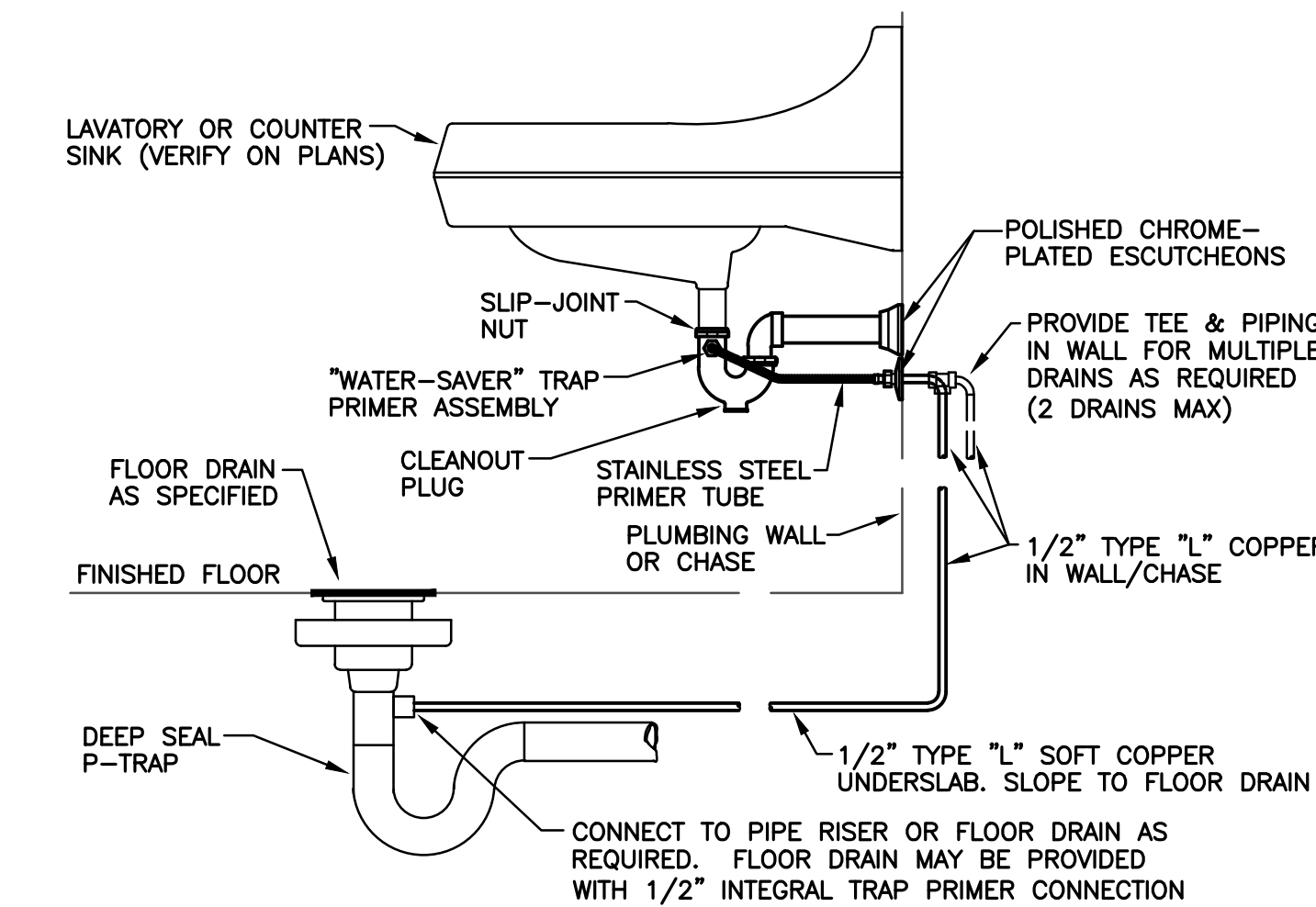
B DETAIL - PIPE SUPPORTS

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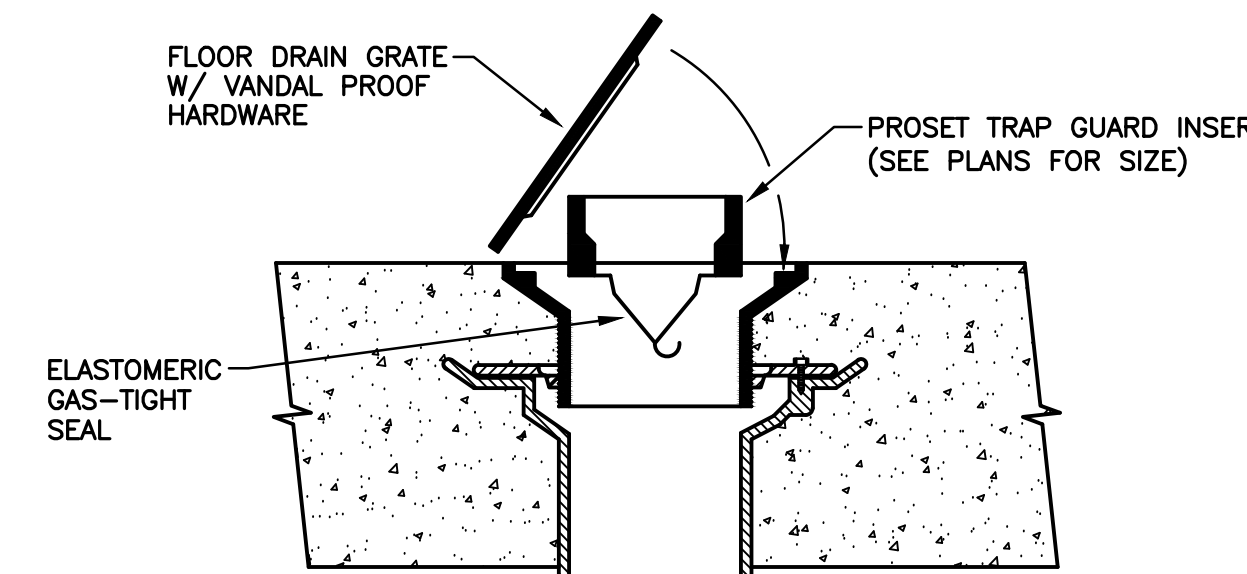
C DETAIL - VALVE & VALVE BOX

NO SCALE



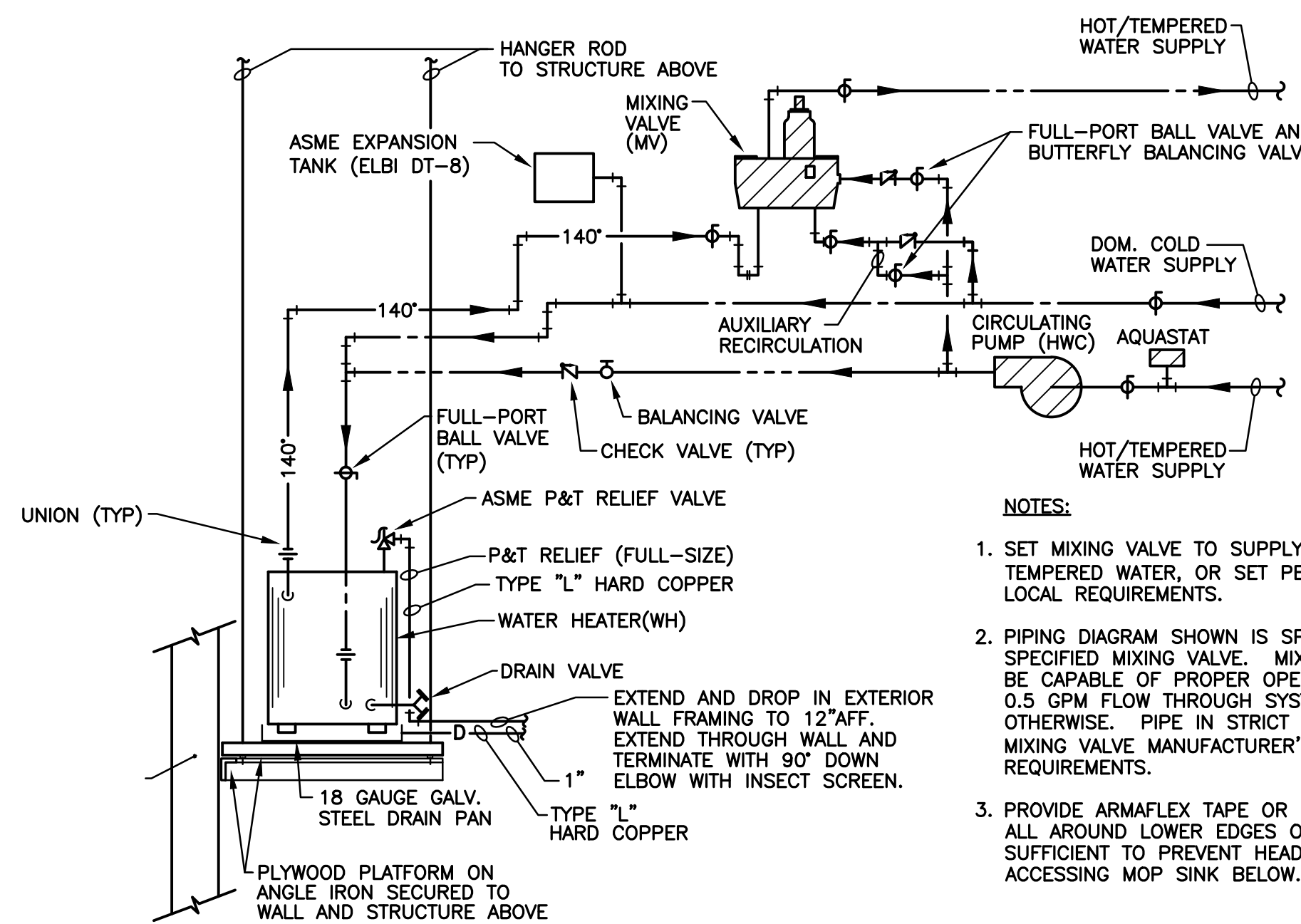
D DETAIL - "WATER-SAVER" TRAP PRIMER ASSEMBLY

NO SCALE



E DETAIL - TRAP GUARD

NO SCALE



F DETAIL - PLATFORM MOUNTED ELECTRIC WATER HEATER (WITH CIRCULATOR & MIXING VALVE)

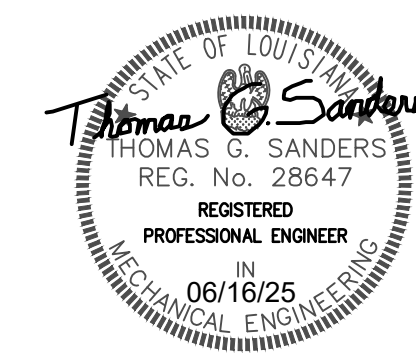
NO SCALE

- NOTES:**
1. SET MIXING VALVE TO SUPPLY 110°-115° TEMPERED WATER, OR SET PER STATE AND/OR LOCAL REQUIREMENTS.
 2. PIPING DIAGRAM SHOWN IS SPECIFIC TO SPECIFIED MIXING VALVE. MIXING VALVE MUST BE CAPABLE OF PROPER OPERATION DOWN TO 0.5 GPM FLOW THROUGH SYSTEM UNLESS NOTED OTHERWISE. PIPE IN STRICT ACCORDANCE WITH MIXING VALVE MANUFACTURER'S INSTALLATION REQUIREMENTS.
 3. PROVIDE ARMAFLEX TAPE OR NEOPRENE COPING ALL AROUND LOWER EDGES OF PLATFORM SUFFICIENT TO PREVENT HEAD INJURY WHILE ACCESSING MOP SINK BELOW.

- GENERAL PLUMBING NOTES:**
- GP1 CONTRACTOR SHALL COORDINATE EXACT PLUMBING FIXTURE TYPE, MOUNTING HEIGHT, ETC. WITH ARCHITECT & OWNER PRIOR TO ORDER, ROUGH-IN AND INSTALLATION.
 - GP2 ALL PENETRATIONS THRU FIRE WALLS AND FIRE PARTITIONS SHALL BE FIRE-STOPPED AS SPECIFIED AND AS SET FORTH IN U.L. FIRE RESISTANCE DIRECTORY, VOLUMES I AND II, LATEST EDITION.
 - GP3 COORDINATE INSTALLATION OF PLUMBING FIXTURE CARRIERS WITH GENERAL CONTRACTOR. BLOCK-OUT STUDS AND/OR CMU BLOCKS AND PROVIDE BLOCKING IN WALLS WHERE REQUIRED TO CLEAR CARRIER RISERS, FLOOR SUPPORTS AND ARMS.
 - GP4 COORDINATE EXACT STACK AND LEADER LOCATIONS WITH FOOTINGS, COLUMN AND STRUCTURAL FRAMING. RE: STRUCTURAL PLANS.
 - GP5 ALL WASTE PIPING MAINS U/S SHALL BE 3" MINIMUM, SLOPED AT 1/8" PER FOOT. PROVIDE 3" X 2" LONG SWEEP REDUCING ELBOWS AND 3" X 3" X 2" COMBINATIONS AT 2" WASTE/VENT STACKS FOR LAVATORIES/SINKS.
 - GP6 SLOPE ALL U/S VENT PIPING BACK TO THE HORIZONTAL DRAIN PIPING TO WHICH IT CONNECTS.
 - GP7 COORDINATE EXACT LAYOUT AND ROUGH-IN REQUIREMENTS WITH APPROVED ARCH PLANS AND WITH ARCH AND OWNER PRIOR TO INSTALLATION OF PIPING AND SLAB POUR.
 - GP8 FLUSH VALVE HANDLES FOR ACCESSIBLE WATER CLOSETS SHALL BE INSTALLED ON THE WIDE SIDE OF EACH TOILET ROOM/STALL PER ADA/TAS REQUIREMENTS.
 - GP9 WHERE TRAP PRIMER VALVES OPERATING ON A DOM WATER LINE PRESSURE DROP ARE USED, THE VALVES, DISTRIBUTION UNITS AND WATER HAMMER ARRESTORS MAY, AT CONTRACTOR'S OPTION, BE INSTALLED ABOVE ACCESSIBLE CEILINGS (LAY-IN TILE CEILINGS), AND REQUIRED ACCESS PANELS DELETED.
 - GP10 CONTRACTOR SHALL PROVIDE IN-LINE VACUUM BREAKERS IN ALL WATER PIPING DROPS FEEDING EQUIPMENT WITH HOSE ATTACHMENTS.
 - GP11 DOMESTIC HW SYSTEM SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND PIPING DIAGRAMS.

PLUMBING LEGEND	
SYMBOL	DESCRIPTION
	SANITARY SEWER OR WASTE
	SANITARY VENT (V)
	CONDENSATE/DRAIN LINE
	DOMESTIC COLD WATER (CW)
	DOMESTIC HOT/TEMPERED WATER (HW)
	DOMESTIC HOT/TEMPERED WATER RETURN (HWR)
	HIGH TEMP HOT WTR SUPPLY (140° MAX)
	FINISHED FLOOR CLEANOUT (FFCO)/ GRADE CLEANOUT (CO)
	DOUBLE CLEANOUT (DCO)
	WALL CLEANOUT (WCO)
	FLOOR DRAIN/TRAP PRIMER
	FLOOR SINK
	WALL FAUCET (WF) OR HOSE BIBB (HB)
	FULL PORT BALL VALVE
	SWING CHECK VALVE
	BACKFLOW PREVENTER (DBL CHECK/RPZ)
	CONNECT TO EXISTING
ABV	ABOVE
AFF/BFF	ABOVE/BELOW FINISHED FLOOR
AHU	AIR HANDLING UNIT
BLDG	BUILDING
CLG	CEILING
CW	COLD WATER
DN	DOWN
DRN	DRAIN
EXP OH	EXPOSED OVERHEAD
EXT	EXTERIOR
EXTG	EXISTING
FLR	FLOOR
H&CW	HOT AND COLD WATER
OSD	OPEN SITE DRAIN
RM	ROOM
TYP	TYPICAL
U/G	UNDERGROUND
U/S	UNDER SLAB
UNO	UNLESS NOTED OTHERWISE
VTR	VENT THRU ROOF/VENT TERMINAL

* NOTE - SOME SYMBOLS/ABBREVIATIONS MAY NOT BE USED.



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TORNADO DAMAGE BUILDING REPAIRS & RECONSTRUCTION

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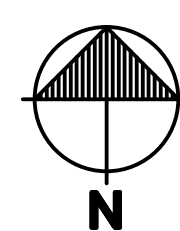
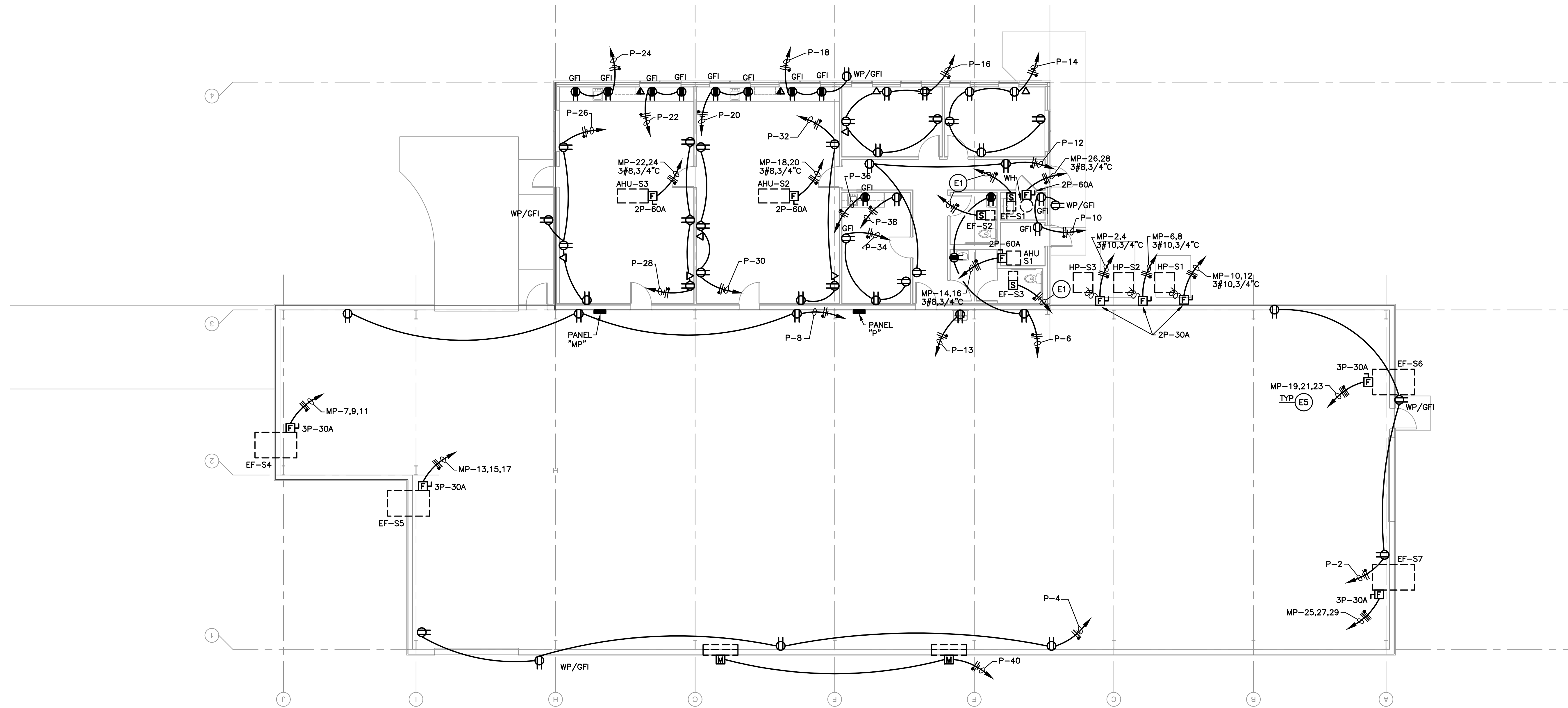
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 PROJECT NO: 19-607-21-01, F:19002617

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PROJECT NO: DRAWN: CHECKED: DATE: LAST REV:

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FLOOR PLAN - SEED BUILDING - POWER

SCALE: 1/8"=1'-0"

SERVES		TRIP	A #	B #	C #	TRIP	SERVES
PANEL P	125	2	1	2	3	25	CU-S1
		3	4	5	6	20	CU-S2
EF-S4	15	7	8	9	10	20	CU-S3
		3	11	12	13	45	AHU-S1
EF-S5	15	13	14	15	16	2	AHU-S2
		3	17	18	19	35	AHU-S2
EF-S6	15	21	22	23	24	35	AHU-S3
		3	25	26	27	50	WH
EF-S7	15	27	28	29	30	20	SPARE
		3	31	32	33		
SPARE	125	33	34	35	36		
		3	37	38	39		
		60	40	41	42		
		3					

+THRU CONTACTOR TOTAL CONN. LOAD _____ KVA

SERVES		TRIP	A #	B #	C #	TRIP	SERVES
LIGHTS	20	1	2	3	4	20	RECEPT
SITE LIGHTS		5	6	7	8		
LIGHTS		9	10	11	12		
EWCH		13	14	15	16		
SPARE		17	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				

+THRU CONTACTOR TOTAL CONN. LOAD _____ KVA *GFCI PROTECTED

ELECTRICAL NOTES:

- (E1) CONNECT TO ROOM LIGHTING CIRCUIT. INTERLOCK WITH LIGHT SWITCHES.
- (E2) COORDINATE THE EXACT LOCATION OF ALL DEVICES WITH ARCHITECTURAL PLANS PRIOR TO ROUGH IN.
- (E3) CONTRACTOR SHALL COORDINATE THE EXACT LOCATION AND REQUIREMENTS OF ALL EQUIPMENT WITH EQUIPMENT PROVIDER PRIOR TO ROUGH-IN OR BID. PROVIDE CLEARANCES ON ALL ELECTRICAL EQUIPMENT AS REQUIRED BY NEG.
- (E4) ELECTRICAL CONTRACTOR SHALL COORDINATE THE EXACT ELECTRICAL REQUIREMENTS OF ALL SUBMITTED MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. ADJUST CIRCUITS AS REQUIRED.
- (E5) REFER TO MECHANICAL PLANS FOR CONTROL OF EXHAUST FANS, ETC. PROVIDE ALL ELECTRICAL REQUIREMENTS.
- (E6) CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ALL ELECTRICAL INSTALLATIONS IN COMPLIANCE WITH ALL CURRENT ELECTRICAL CODES FOR ANY WORK PERFORMED ON EXISTING EQUIPMENT OR INSTALLATIONS.



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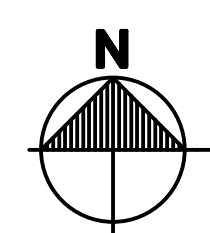
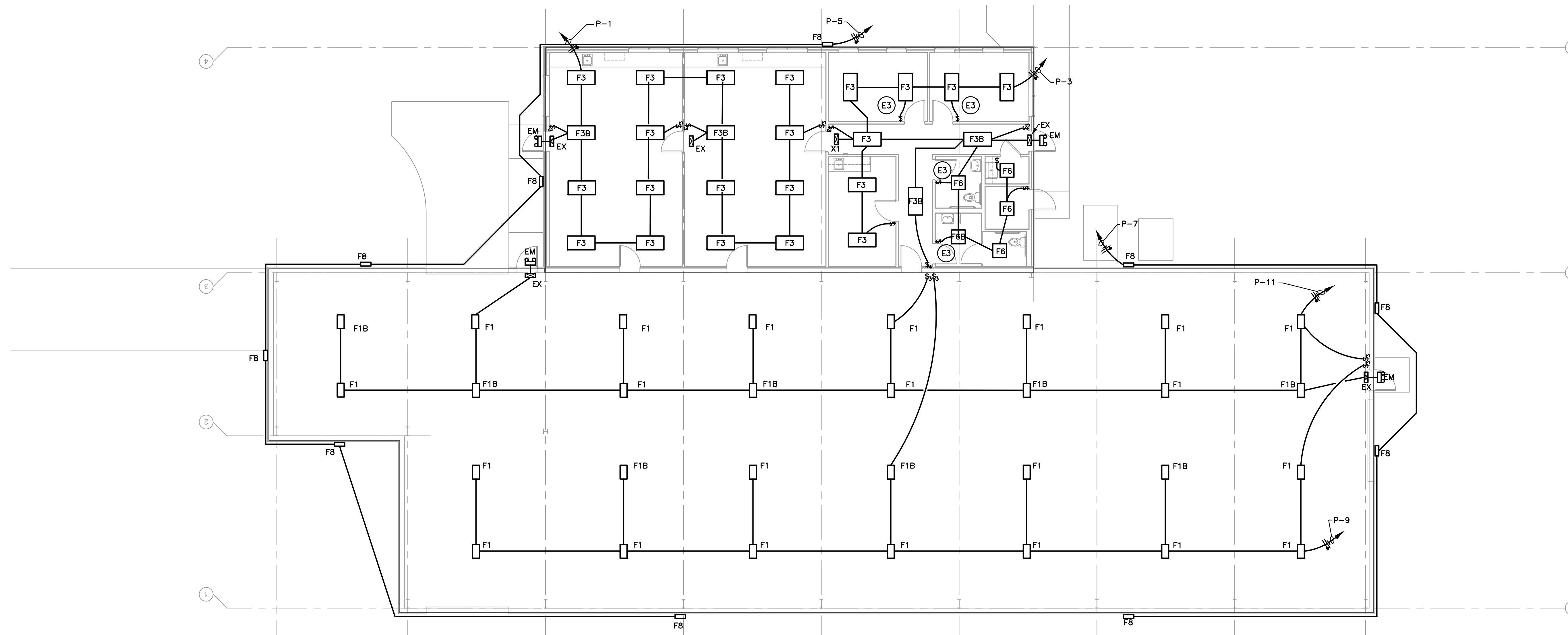
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TORNADO DAMAGE BUILDING REPAIRS & RECONSTRUCTION
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 LSU AG CENTER, ALEXANDRIA, LOUISIANA SITE CODE: 6-40-023 SITE ID: MULTIPLE
 PROJECT NO: 19-607-21-01, F:19002617

PROJECT NO:
 DRAWN: TS/RW
 CHECKED: 06.16.25
 DATE: 06/16/25
 LAST REV:

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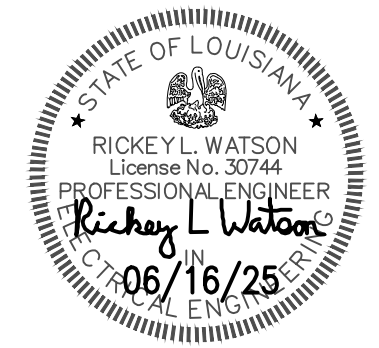
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FLOOR PLAN – SEED BUILDING – LIGHTING

SCALE: 1/8"=1'-0"

- ELECTRICAL LIGHTING NOTES:**
- (E1) ALL EXIT/EMERGENCY FIXTURES SHALL BE CONNECTED TO UNSWITCHED CONDUCTORS.
 - (E2) COORDINATE EXACT LOCATIONS OF ALL LIGHTING FIXTURES WITH ARCHITECTURAL PLANS PRIOR TO ROUGH-IN. ADJUST LOCATIONS AS REQUIRED.
 - (E3) PROVIDE A WALL MOUNT VACANCY SENSOR, LUTRON MAESTRO OR EQUAL.
 - (E4) CONTRACTOR SHALL PROVIDE OCCUPANCY SENSOR TYPES AND QUANTITIES NECESSARY TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS WITH LIGHTING FIXTURE SUBMITTAL INDICATING OCCUPANCY SENSOR TYPES, LOCATIONS, COVERAGE AREAS, SWITCHES, ETC.

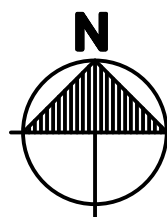
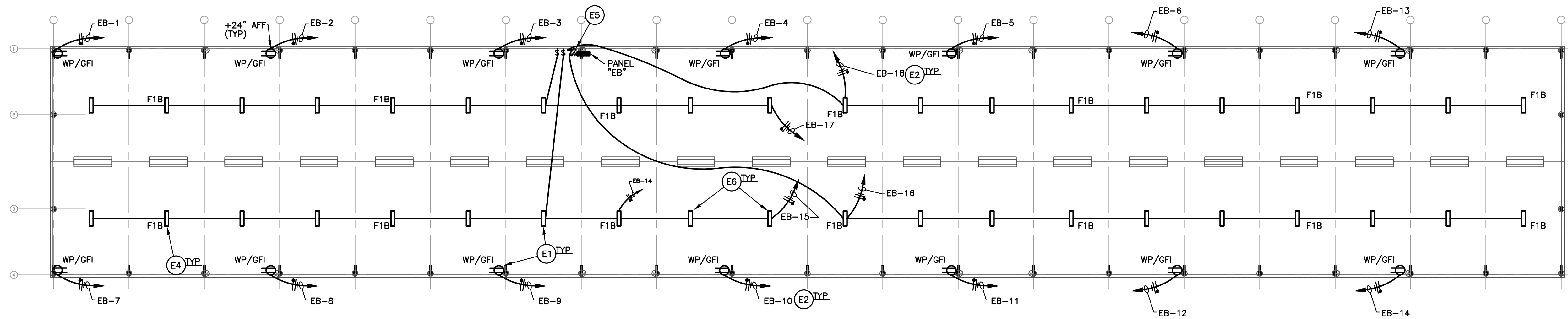


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FLOOR PLAN – EQUIPMENT BARN – ELECTRICAL

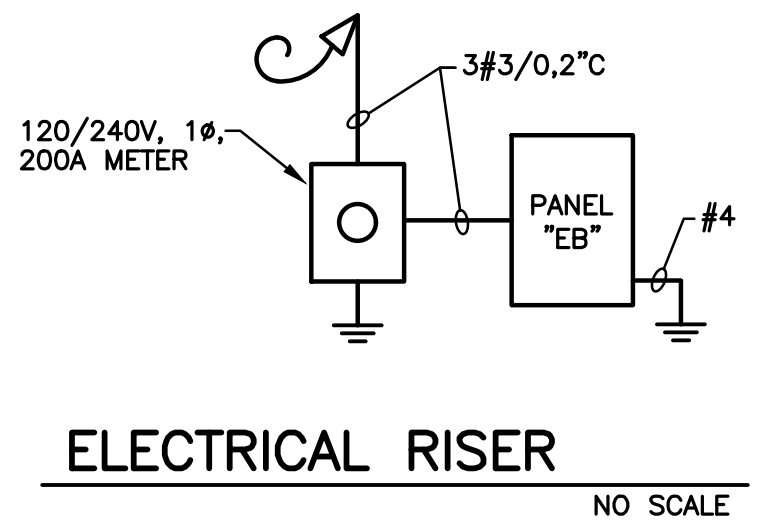
SCALE: 1/16"=1'-0"

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			5	6		
			7	8		
			9	10		
			11	12		
			13	14		
LIGHTS			15	16		LIGHTS
LIGHTS			17	18		LIGHTS
SPARE			19	20		SPARE
			21	22		
			23	24		
			25	26		
			27	28		
			29	30		
			31	32		
			33	34		
			35	36		
			37	38		
			39	40		
			41	42		

TOTAL CONN. LOAD _____ KVA

ELECTRICAL NOTES:

- (E1) COORDINATE THE EXACT LOCATION OF ALL LIGHTING FIXTURES AND DEVICES WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.
- (E2) ALL 120V, 20A RECEPTACLE AND LIGHTING CIRCUITS SHALL BE 3#10,3/4"C.
- (E3) INSTALL CONDUIT AND JUNCTION BOX ON COLUMN.
- (E4) ALL EMERGENCY DRIVERS SHALL BE CONNECTED TO UNSWITCHED CONDUCTORS.
- (E5) COORDINATE LOCATION OF SWITCHES WITH OWNER PRIOR TO ROUGH-IN. SWITCHES SHALL BE IN A CAST WEATHERPROOF BOX.
- (E6) ALL LIGHTING FIXTURES SHALL BE FIXTURE TYPE "F1" UNLESS NOTED OTHERWISE.



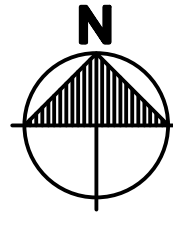
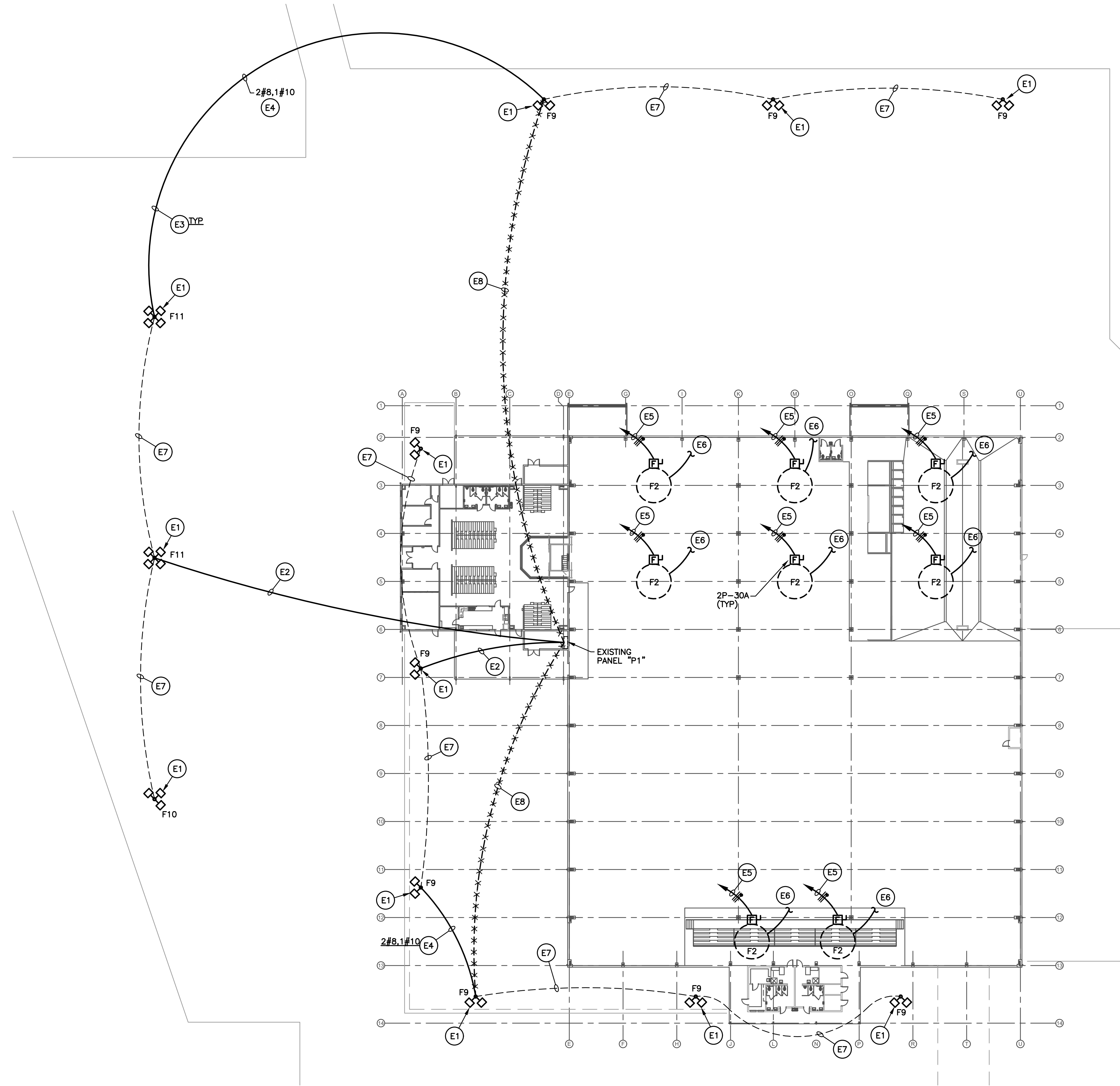
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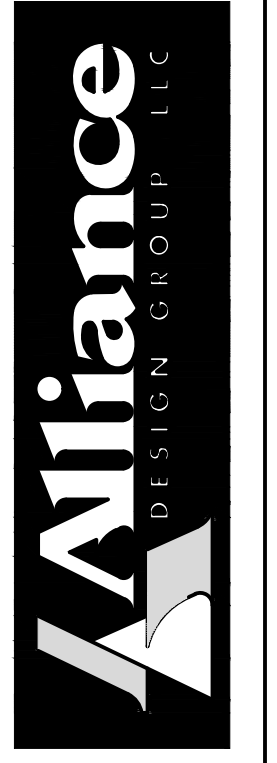
OVERALL FLOOR PLAN - ELECTRICAL (ALTERNATE #1)

SCALE: 1"=30'-0"

ELECTRICAL NOTES:

- EXISTING TO REMAIN.
- x-x- EXISTING TO BE REMOVED.
- NEW CONSTRUCTION.

- (E1) REMOVE EXISTING FIXTURES AND PROVIDE NEW AS INDICATED. PROVIDE ALL MOUNTING HARDWARE AS REQUIRED.
- (E2) EXTEND AND CONNECT TO EXISTING 480Y/277V PANEL P1. FIELD VERIFY EXISTING CONDUCTOR SIZE. PROVIDE 2#8,1#10 AS REQUIRED CONNECT TO 1P-20A C.B. ROUTE CIRCUITS THROUGH CONTACTOR. PROVIDE A 4P-20A MECHANICALLY HELD LIGHTING CONTACTOR WITH 2 WIRE CONTROL AND A PHOTOCELL TO CONTROL TIMECLOCK.
- (E3) DIRECTIONAL BORE UNDER ALL EXISTING CONCRETE/ASPHALT SURFACES.
- (E4) CONNECT EXISTING CIRCUITS AS INDICATED.
- (E5) EXTEND AND CONNECT 3#10,3/4" TO NEAREST 208V PANEL WITH AVAILABLE SPACE AND CAPACITY. PROVIDE A 2P-20A C.B. COORDINATE CONTROL LOCATION WITH ARCHITECT.
- (E6) INTERLOCK HVLS FAN WITH BUILDING FIRE ALARM SYSTEM. PROVIDE A COMPLETE AND OPERATIONAL SYSTEM.
- (E7) EXISTING CONDUIT AND CONDUCTORS TO REMAIN.
- (E8) REMOVE EXISTING CONDUITS AND CONDUCTORS COMPLETELY.



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TORNADO DAMAGE BUILDING REPAIRS & RECONSTRUCTION
DEAN LEE RESEARCH AND EXTENSION CENTER
 LSU AG CENTER, ALEXANDRIA, LOUISIANA SITE CODE: 6-40-023 SITE ID: MULTIPLE
 PROJECT NO: 19-607-21-01, F:19002617

RAT
 TS/RW
 06.16.25

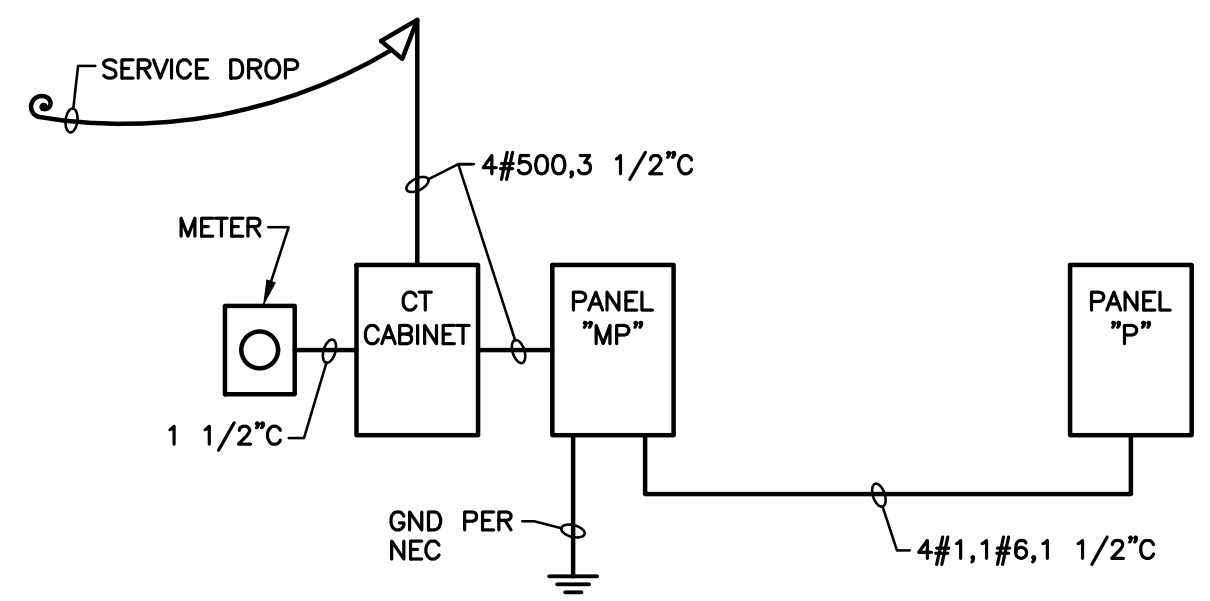
E-104



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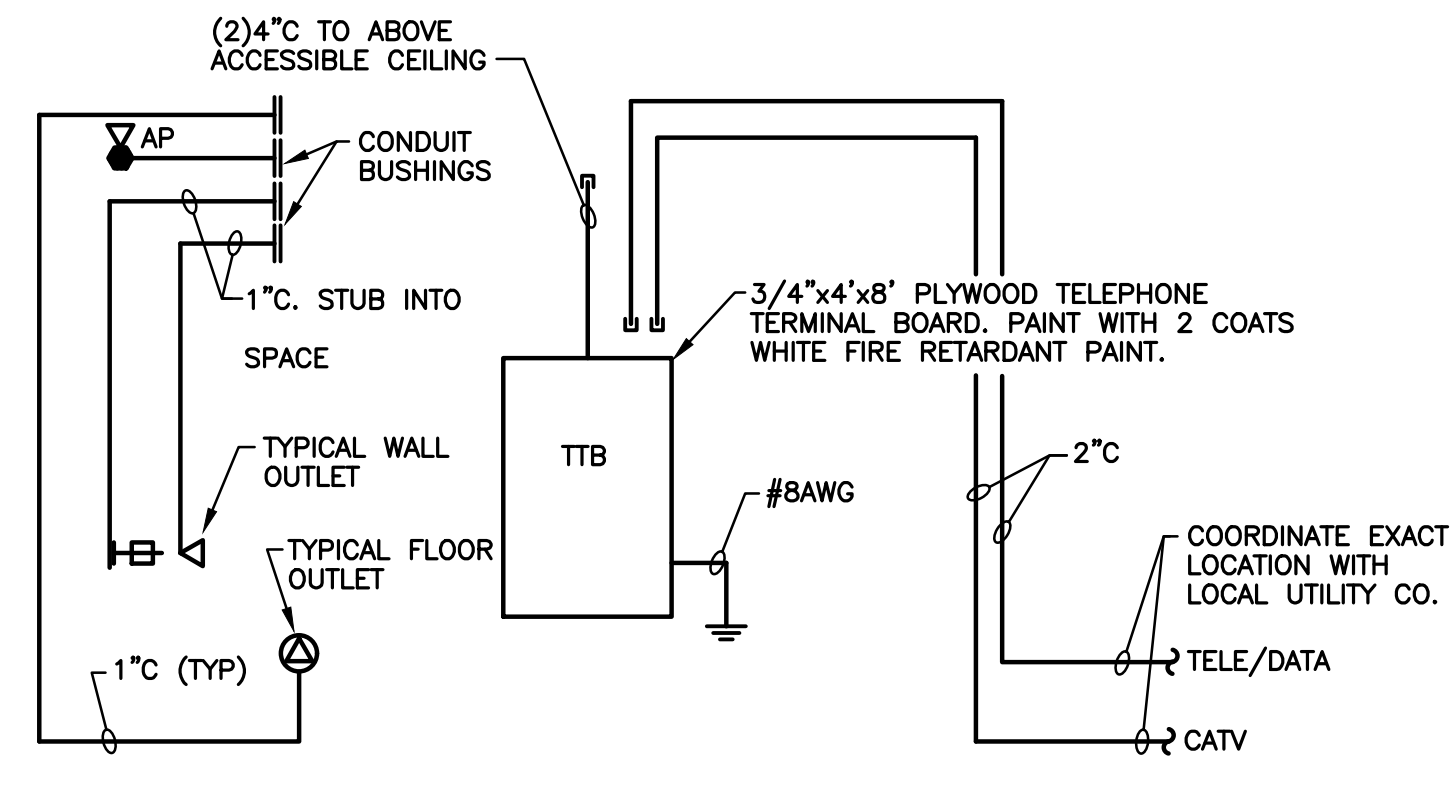
SUBMISSION OF BID WILL BE CONSIDERED ACKNOWLEDGMENT THAT THE CONTRACTOR HAS VISITED THE SITE AND HAS VERIFIED ALL EXISTING JOB CONDITIONS AND WILL BE NECESSARY MODIFICATION TO EXISTING AND NEW WORK REQUIRED FOR INSTALLATION OF A COMPLETE AND WORKING SYSTEM. 5-200-1780-002

GENERAL NOTE:
 1. CONTRACTOR SHALL CONTACT ALL LOCAL UTILITY COMPANIES AND COORDINATE ALL SITE UTILITY SERVICES PRIOR TO BID. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES AND COSTS ASSOCIATED WITH PROVIDING SERVICES AND ANY UP FRONT CHARGES REQUIRED BY UTILITY PROVIDERS AND SHALL BE INCLUDED IN BID.



ELECTRICAL RISER - SEED BUILDING

NO SCALE



TELEPHONE/DATA RISER

NO SCALE

ELECTRICAL LEGEND		ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
GENERAL			
—	CONDUIT IN WALL OR ABOVE CEILING	□	MOTOR TOGGLE SWITCH
- - -	CONDUIT UNDER FLOOR OR UNDERGROUND	⊖	SMOKE DAMPER WITH DUCT DETECTOR
←	ARROW INDICATES HOMERUN	⊖	FIRE/SMOKE DAMPER WITH DUCT DETECTOR
⊖	TICKMARKS: NEUTRAL, PHASE, GROUND	S; \$3; \$4; \$C	SINGLE POLE SWITCH; 3-WAY; 4-WAY; CONTROL
— T —	TELEPHONE CONDUIT	\$p; \$D; \$K	PILOT LIGHT; DIMMER; KEYED SWITCH
— E —	EMERGENCY CIRCUIT CONDUIT	AFF; C	ABOVE FINISHED FLOOR; CEILING MOUNTED
—	TELEPHONE TERMINAL BOARD (TTB)	—	PLUGMOLD WITH RECEPTACLES AT 12" O.C.
□	PANEL BOARD	▽	AREA OF RESCUE REMOTE PANEL
□	SPECIAL PANEL	▽	AREA OF RESCUE MASTER PANEL
⊙	JUNCTION BOX; FLUSH FLOOR JUNCTION BOX	HD	ELECTRIC HAND DRIER (BY GENERAL CONTRACTOR)
⊖	DISCONNECT SWITCH; FUSED; NONFUSED	FIRE ALARM	
▽	TELEPHONE/DATA OUTLET; ABOVE COUNTER	□	PULL STATION
▽	WALL MOUNTED TELEPHONE	⊖	FIRE ALARM SPEAKER/VISUAL DEVICE
▽	CEILING WIRELESS ACCESS POINT; WALL MOUNTED	⊖	FIRE ALARM SYSTEM AUDIO/VISUAL SIGNAL
▽	ABOVE CEILING OUTLET	⊖	FIRE ALARM SYSTEM VISUAL SIGNAL
⊖	CLOCK	⊖	FIRE ALARM SMOKE DETECTOR
⊖	TV/MULTIMEDIA OUTLET	⊖	FIRE ALARM CARBON MONOXIDE DETECTOR
⊖	DRIVE THRU ALERT BEACON	⊖	FIRE ALARM SMOKE DETECTOR WITH SOUNDER BASE
⊖	INTERCOM SYSTEM CALL STATION	⊖	FIRE ALARM HEAT DETECTOR
⊖	CEILING INTERCOM/PA SPEAKER; WALL MOUNT	⊖	FIRE ALARM DUCT MOUNTED SMOKE DETECTOR
⊖	CEILING SOUND SYSTEM SPEAKER; WALL MOUNT	⊖	DOOR HOLDER
⊖	FLUSH FLOOR AUXILIARY INPUT; WALL MOUNT	⊖	FLOW & TAMPER SWITCH
⊖	FLUSH FLOOR MICROPHONE OUTLET; WALL MOUNT	⊖	FIRE ALARM CONTROL PANEL
⊖	FLUSH FLOOR DUPLEX RECEPTACLE	⊖	FIRE ALARM REMOTE ANNUNCIATOR
⊖	FLUSH FLOOR TELEPHONE/DATA OUTLET	SECURITY/ACCESS CONTROL (ROUGH-IN)	
⊖	SPECIAL RECEPTACLE; VERIFY TYPE	⊖	CEILING SECURITY CAMERA; WALL MOUNT
⊖	2 POLE; 3 WIRE RECEPTACLE	⊖	AUDIO/VISUAL ALARM
⊖	DUPLEX RECEPTACLE; ABOVE COUNTER	⊖	PANIC BUTTON; DOOR RELEASE
⊖	WEATHERPROOF RECEPTACLE; GROUND FAULT	⊖	KEYPAD
⊖	USB/DUPLEX RECEPTACLE; ISOLATED GROUND	⊖	CARD OR FINGERPRINT READER
⊖	QUAD PLEX RECEPTACLE	⊖	DOOR CONTACTS
⊖	RAISED FLOOR RECEPTACLE; DATA OUTLET	⊖	MAGNETIC LOCKS
⊖	GANGED FLOOR BOX	⊖	GLASS BREAK
⊖	CEILING MOUNT OCCUPANCY SENSOR; WALL MOUNT	⊖	MOTION DETECTOR
⊖	CEILING MOUNT DAYLIGHT SENSOR; WALL MOUNT	⊖	REQUEST TO EXIT BUTTON
⊖	MOTOR; STARTER	⊖	DOOR SWITCH
⊖	LOW VOLTAGE LIGHTING CONTROL STATION		
⊖	MOTORIZED DAMPER		

NOTE:
SOME SYMBOLS
MAY NOT BE
USED.

LIGHTING FIXTURE SCHEDULE					
MARK	TYPE	MOUNTING	APPROVED MANUFACTURERS	LAMPS QTY & TYPE	DESCRIPTION
F1	4' LED	SURFACE	KENALL NEWSTAR LUMINAIRE	LED 4000K 10500L	WHITE FINISHED EXTRUDED ALUMINUM HOUSING; HIGH IMPACT POLYCARBONATE LENS; FLAT ALUMINUM END CAPS; MOUNT TO UNISTRUT, BRIDGING BETWEEN PURLINS; 98W
F1B	4' LED WITH EMERG. DRIVER	SURFACE	KENALL NEWSTAR LUMINAIRE	LED 4000K 10500L	WHITE FINISHED EXTRUDED ALUMINUM HOUSING; HIGH IMPACT POLYCARBONATE LENS; FLAT ALUMINUM END CAPS; BODINE EMERGENCY DRIVER; SELF DIAGNOSTIC; AUDIBLE ALARM, AND POWER FOR 1100 LUMEN MINIMUM OUTPUT; MOUNT TO UNISTRUT, BRIDGING BETWEEN PURLINS; 98W
F2	18'-0" HVLS FAN	STRUCTURE SUSPENDED	BIG ASS FAN BASIC 6	N/A	208V, 1 PHASE. FIRE ALARM INTERFACE WALL CONTROLLER. FINISH BY ARCHITECT
F3	2x4 LED TROFFER ARCHITECTURAL-MED	CEILING RECESSED GRID	LITHONIA WILLIAMS COLUMBIA	LED 4000K	ACRYLIC LENS; 5000 LUMENS; 0-10V DIMMING
F3B	2x4 LED TROFFER ARCHITECTURAL-MED	CEILING RECESSED GRID	LITHONIA WILLIAMS COLUMBIA	LED 4000K	0.125" ACRYLIC LENS; BODINE EMERGENCY DRIVER; SELF DIAGNOSTIC; AUDIBLE ALARM, AND POWER FOR 1100 LUMEN MINIMUM OUTPUT
F6	2x2 LED TROFFER ARCHITECTURAL-MEDIUM	CEILING RECESSED GRID	LITHONIA WILLIAMS COLUMBIA	LED 4000K	ACRYLIC LENS; 3000 LUMENS; 0-10V DIMMING
F6B	2x2 LED TROFFER ARCHITECTURAL-MEDIUM W/ EMERGENCY DRIVER	CEILING RECESSED GRID	LITHONIA WILLIAMS COLUMBIA	LED 4000K	ACRYLIC LENS; 3000 LUMENS; 0-10V DIMMING; BODINE EMERGENCY DRIVER; SELF DIAGNOSTIC; AUDIBLE ALARM, AND POWER FOR 1100 LUMEN MINIMUM OUTPUT; MOUNT FIXTURE AT HEIGHT AS DIRECTED
F8	LED WALL PACK	SURFACE	CREE BEACON LITHONIA	LED 4000K 10000L	DARK BRONZE POWDERCOAT FINISHED DIE CAST ALUMINUM HOUSING; 120/277
F9	LED FLOOD LIGHT TWO MOUNT ASSEMBLY AT 90'	POLE ARM	CREE BEACON LITHONIA	LED 4000K 10000L	DARK BRONZE POWDERCOAT FINISHED DIE CAST ALUMINUM HOUSING; TEMPERED GLASS LENS; INTEGRAL SLIP FILTER MOUNT WITH 2 3/8" TENNON; WPRAB-DB POLE MOUNTING BRACKET; 30' CLASS 6 WOOD POLE
F10	LED FLOOD LIGHT THREE MOUNT ASSEMBLY AT 90'	POLE ARM	CREE BEACON LITHONIA	LED 4000K 10000L	DARK BRONZE POWDERCOAT FINISHED DIE CAST ALUMINUM HOUSING; TEMPERED GLASS LENS; INTEGRAL SLIP FILTER MOUNT WITH 2 3/8" TENNON; WPRAB-DB POLE MOUNTING BRACKET; 30' CLASS 6 WOOD POLE
F11	LED FLOOD LIGHT FOUR MOUNT ASSEMBLY AT 90'	POLE ARM	CREE BEACON LITHONIA	LED 4000K 10000L	DARK BRONZE POWDERCOAT FINISHED DIE CAST ALUMINUM HOUSING; TEMPERED GLASS LENS; INTEGRAL SLIP FILTER MOUNT WITH 2 3/8" TENNON; WPRAB-DB POLE MOUNTING BRACKET; 30' CLASS 6 WOOD POLE
EM	EMERGENCY LIGHT	SURFACE	LITHONIA DUALLITE CHLORIDE	LED	MOUNT ON WALL WITH BOTTOM OF FIXTURE AT 70" AFF; WET LOCATION
EX	EXIT SIGN	SURFACE	LITHONIA DUALLITE CHLORIDE	LED	WALL MOUNT ABOVE DOOR; WET LOCATION

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