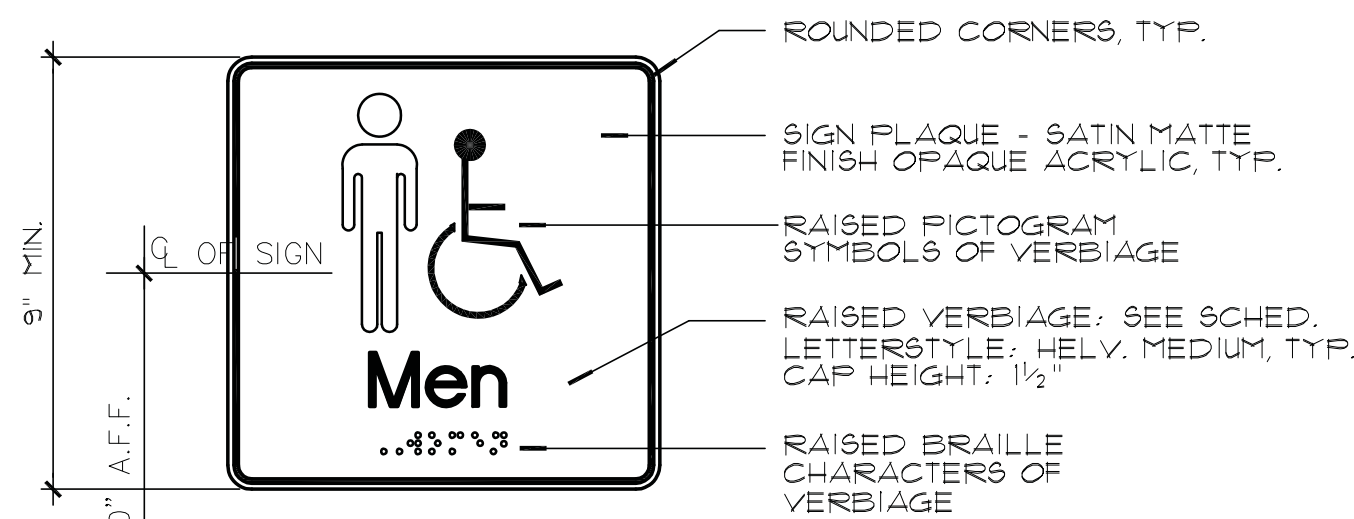


Wall Connection Detail
3/4"=1'-0"

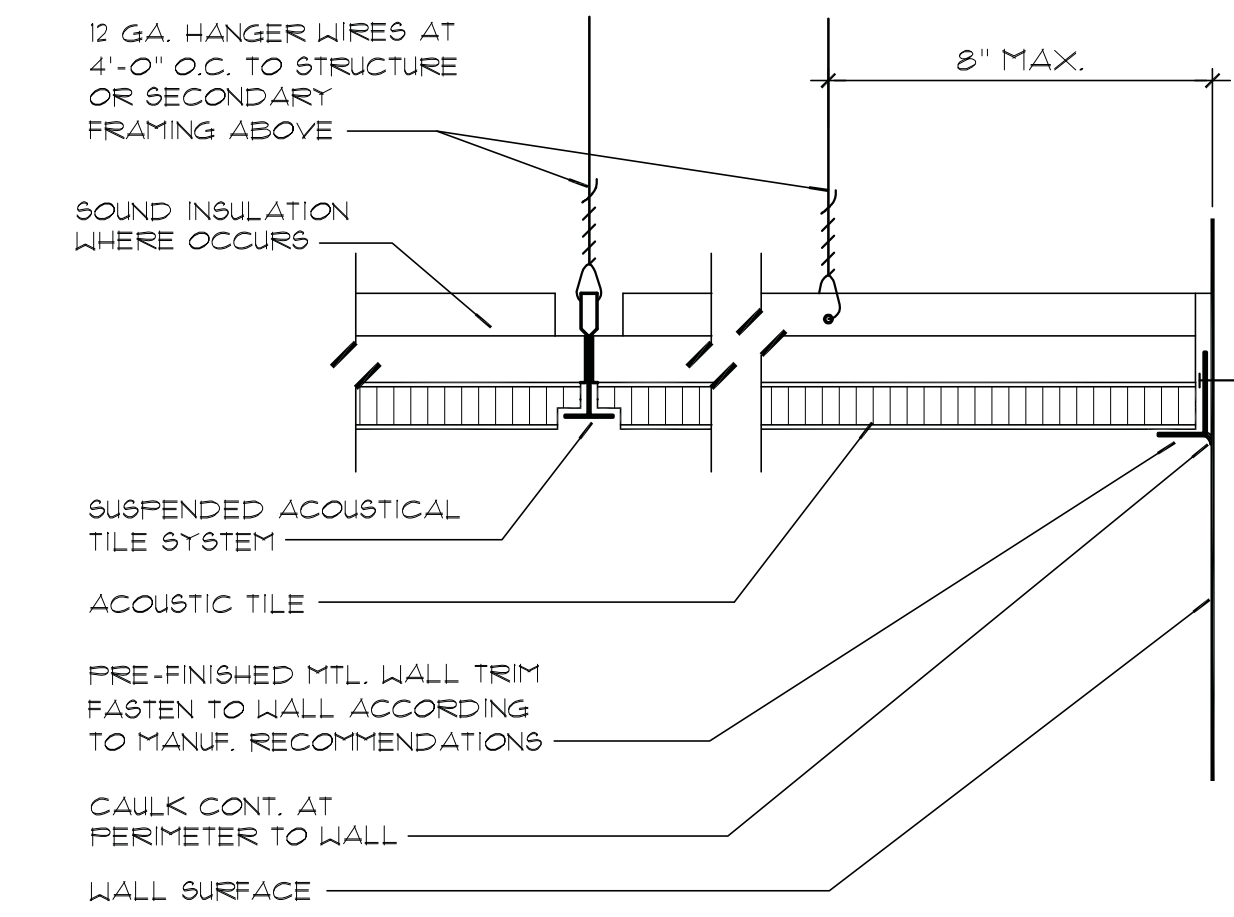
12



Sign Type "B"
3' = 1'-0"

DTL_3107

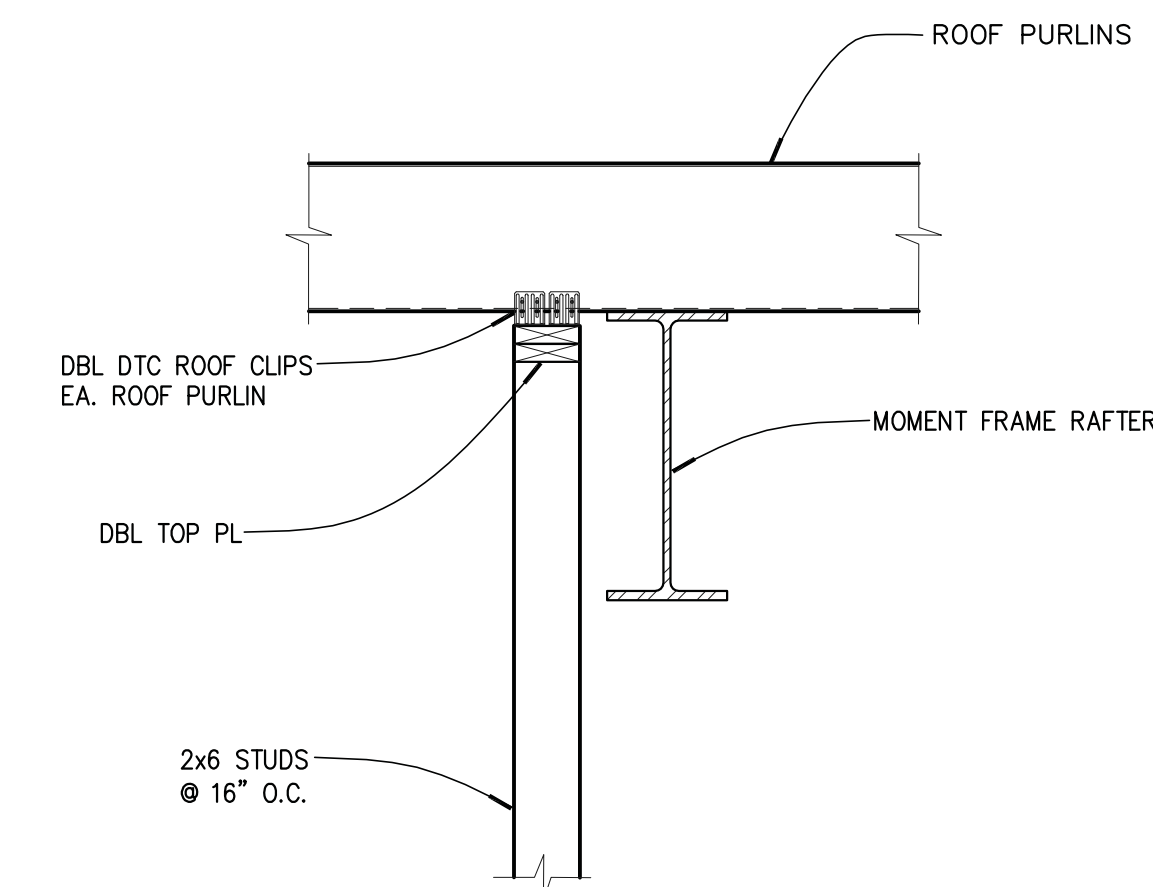
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Typ. Ceiling Detail
3'-1'-0"

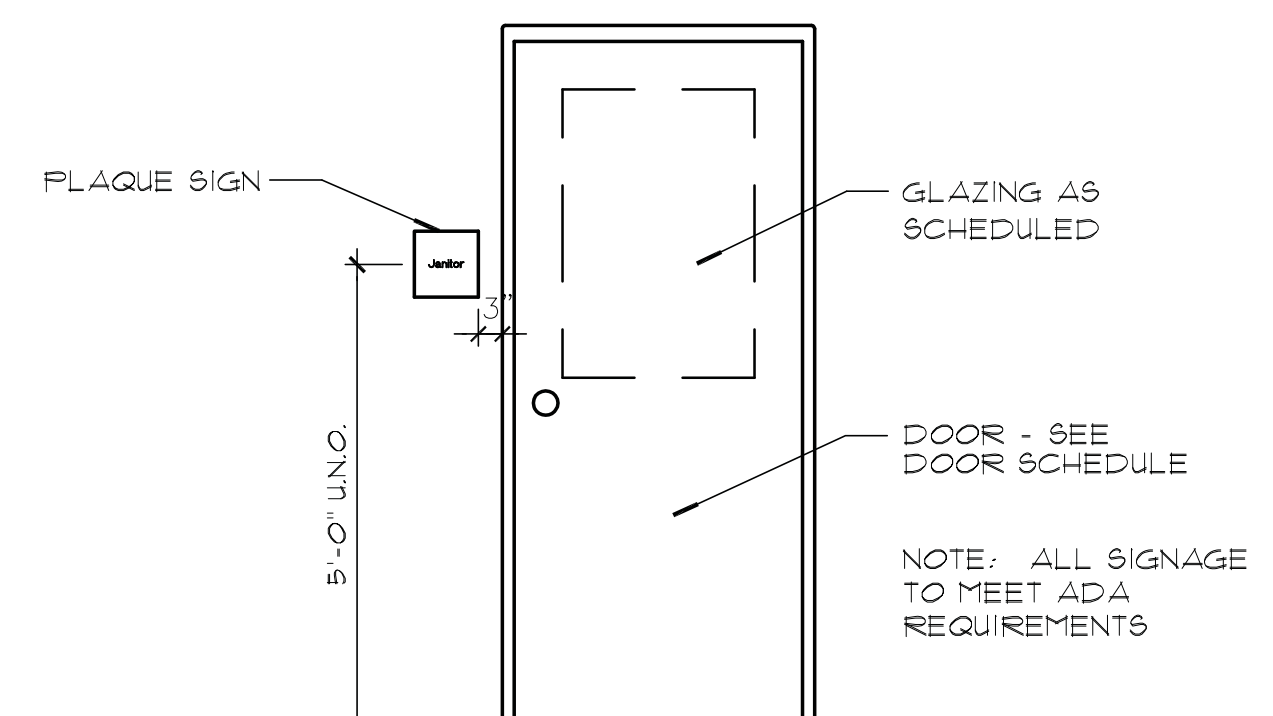
DTL_905

4



Wall Connection Detail
3/4"=1'-0"

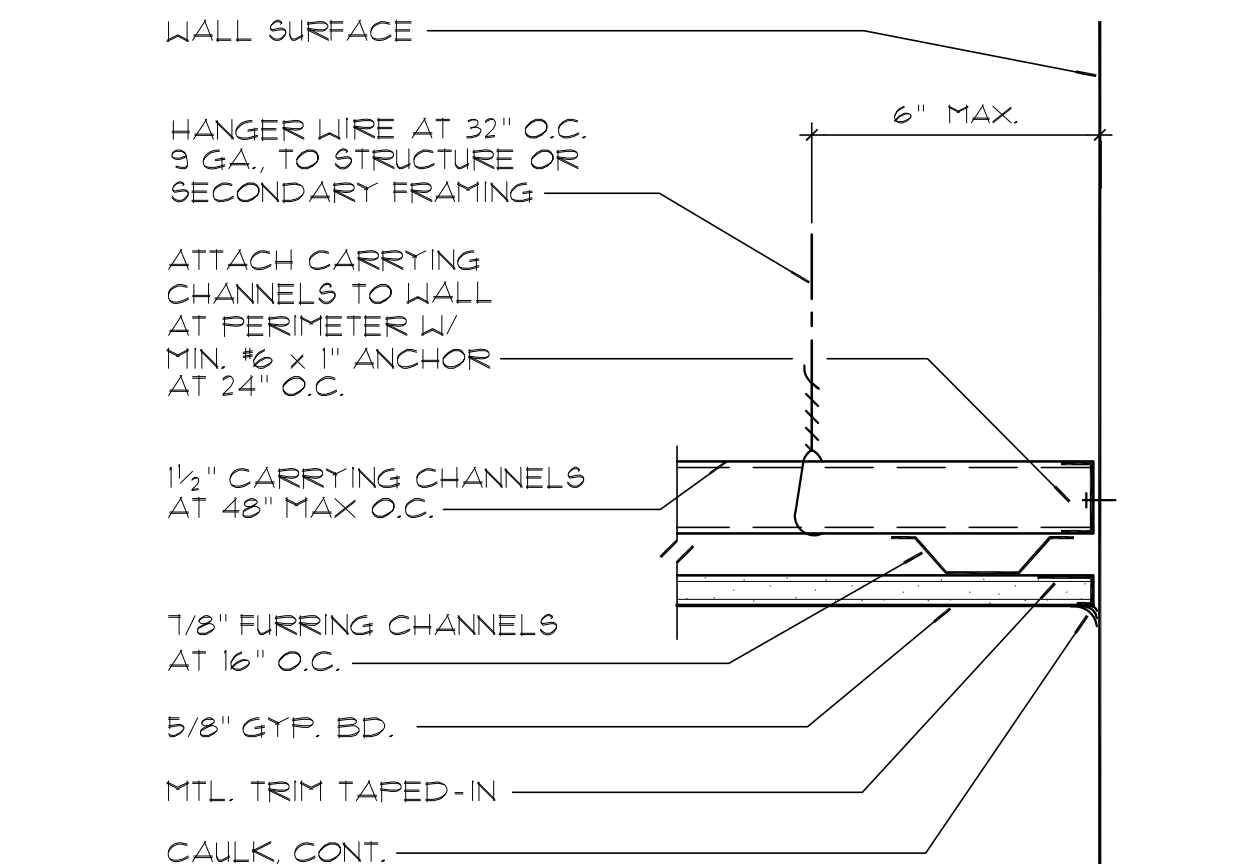
11



Typ. Signage Placement
1/2" = 1'-0"

DTL_3103

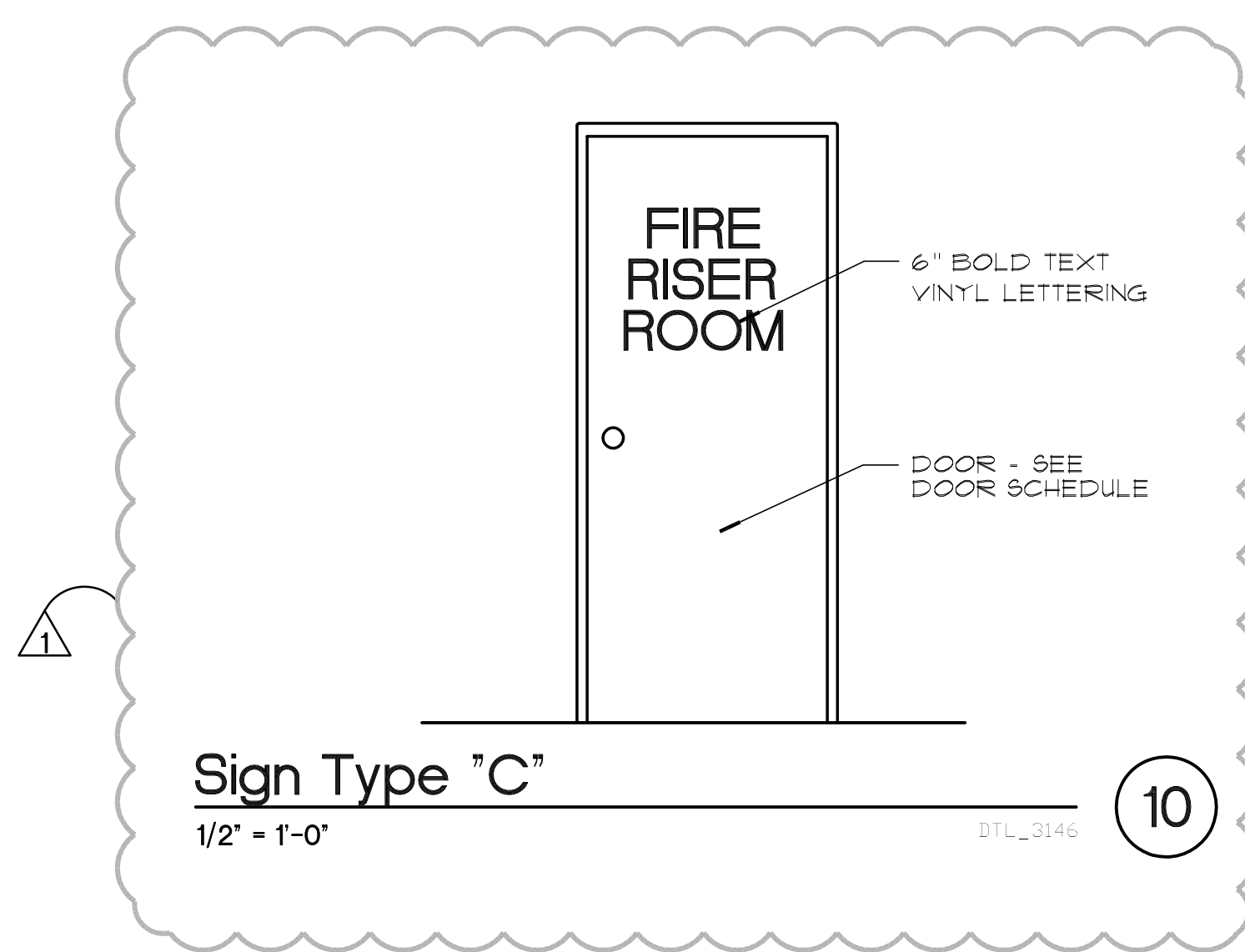
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Typ. Ceiling Detail
3'-1'-0"

DTL_917

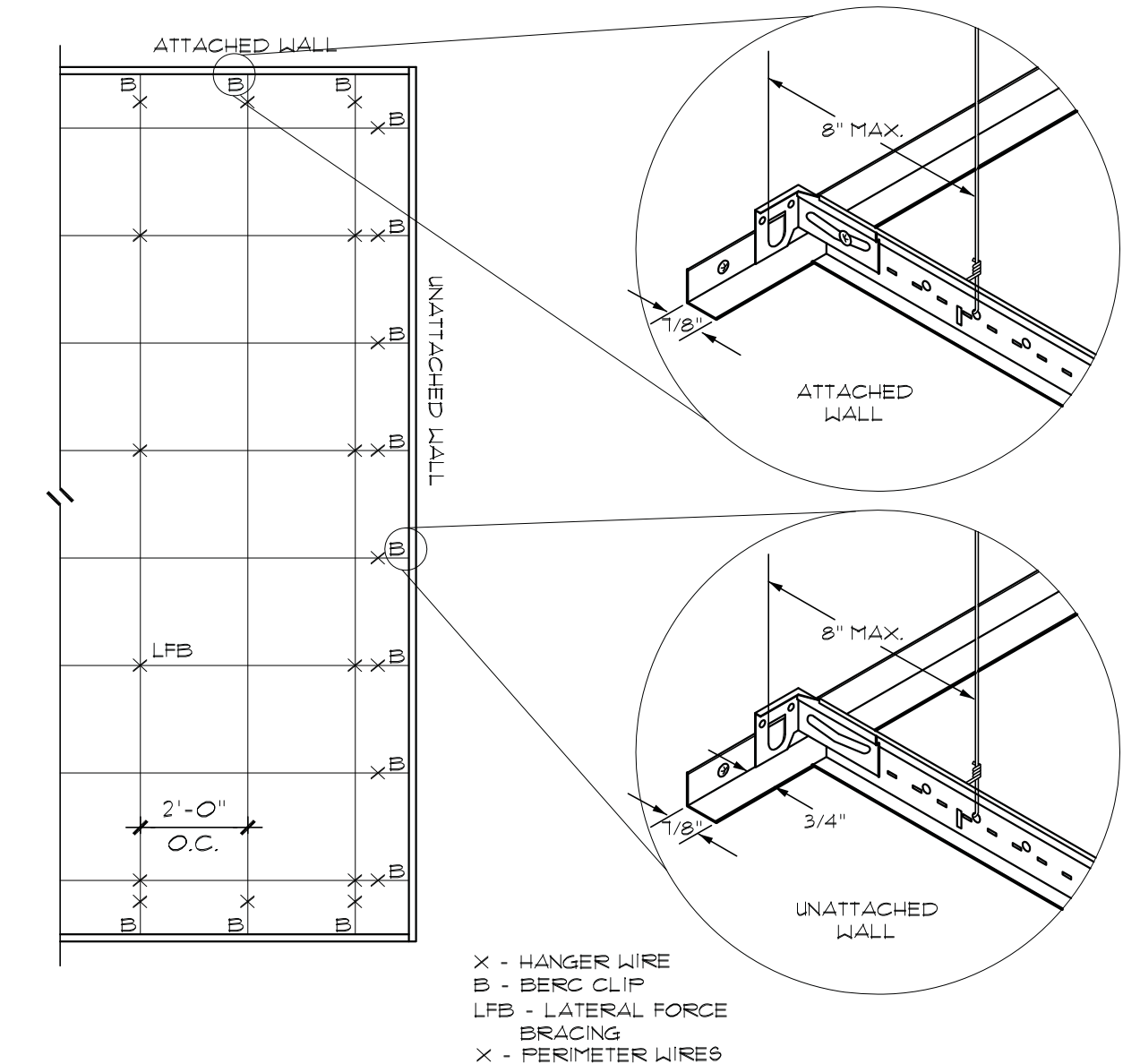
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Sign Type "C"
1/2" = 1'-0"

DTL_3146

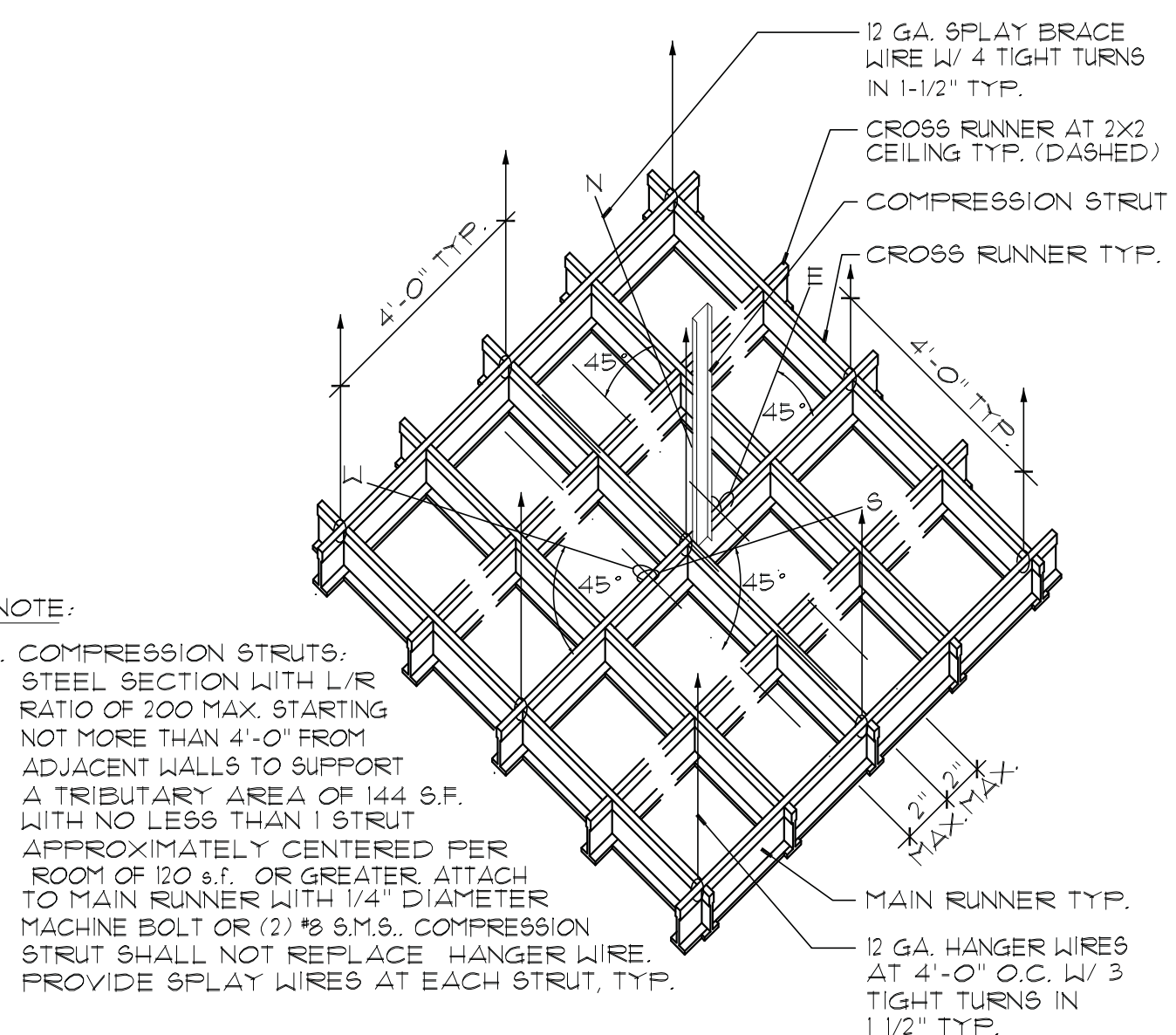
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BERC2 Ceiling Detail
N.T.S.

DTL_3944

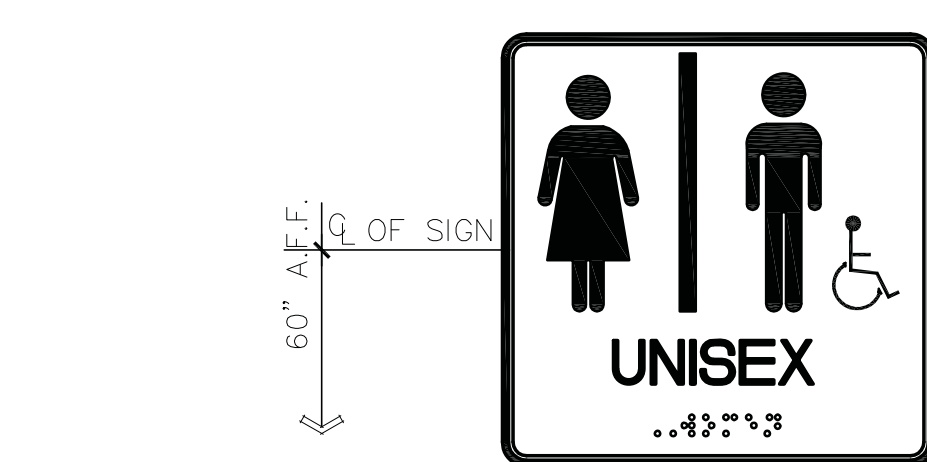
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Wire Bracing - Lay-In Ceiling
N.T.S.

DTL_905

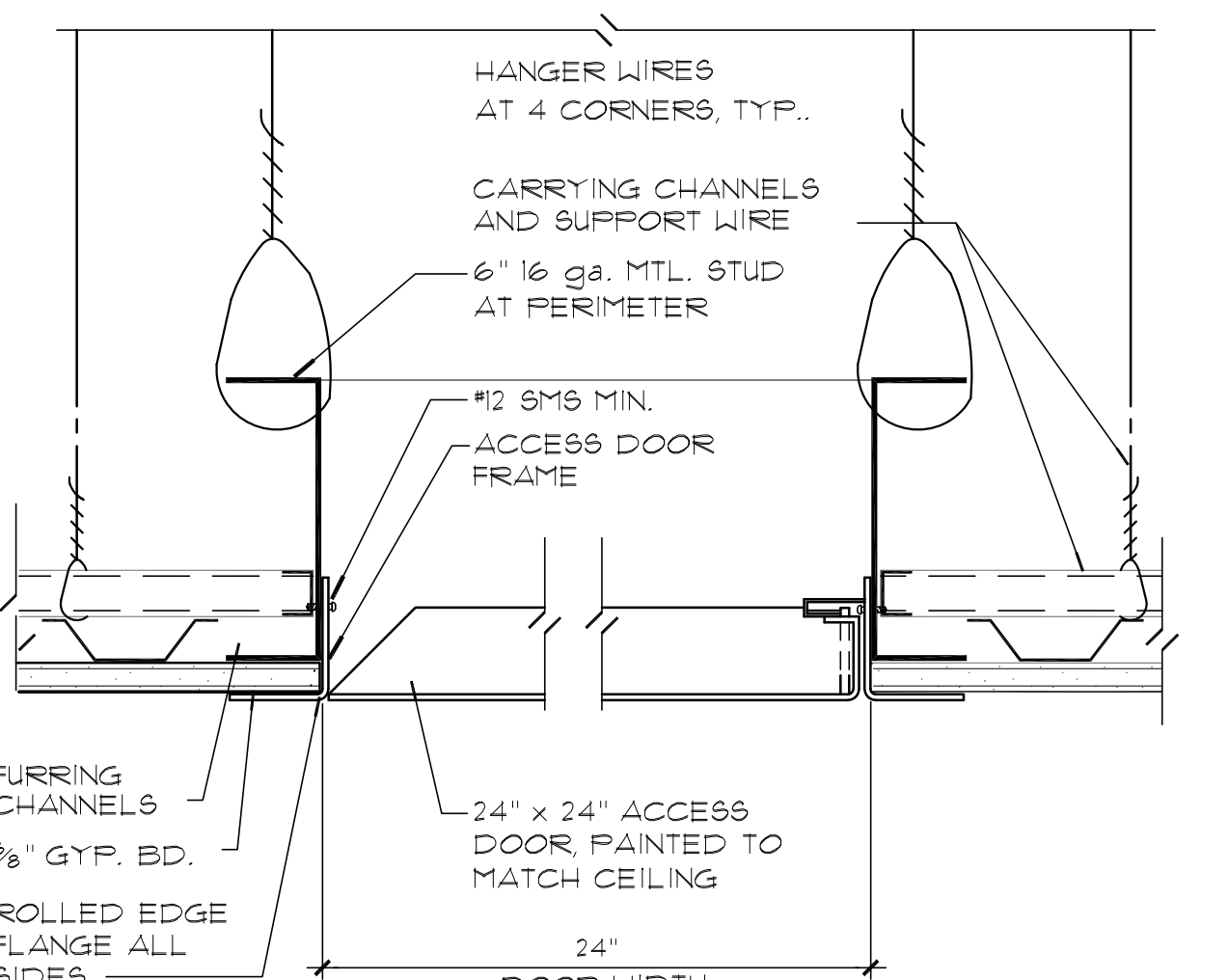
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Sign Type "B"
3' = 1'-0"

UNISEX

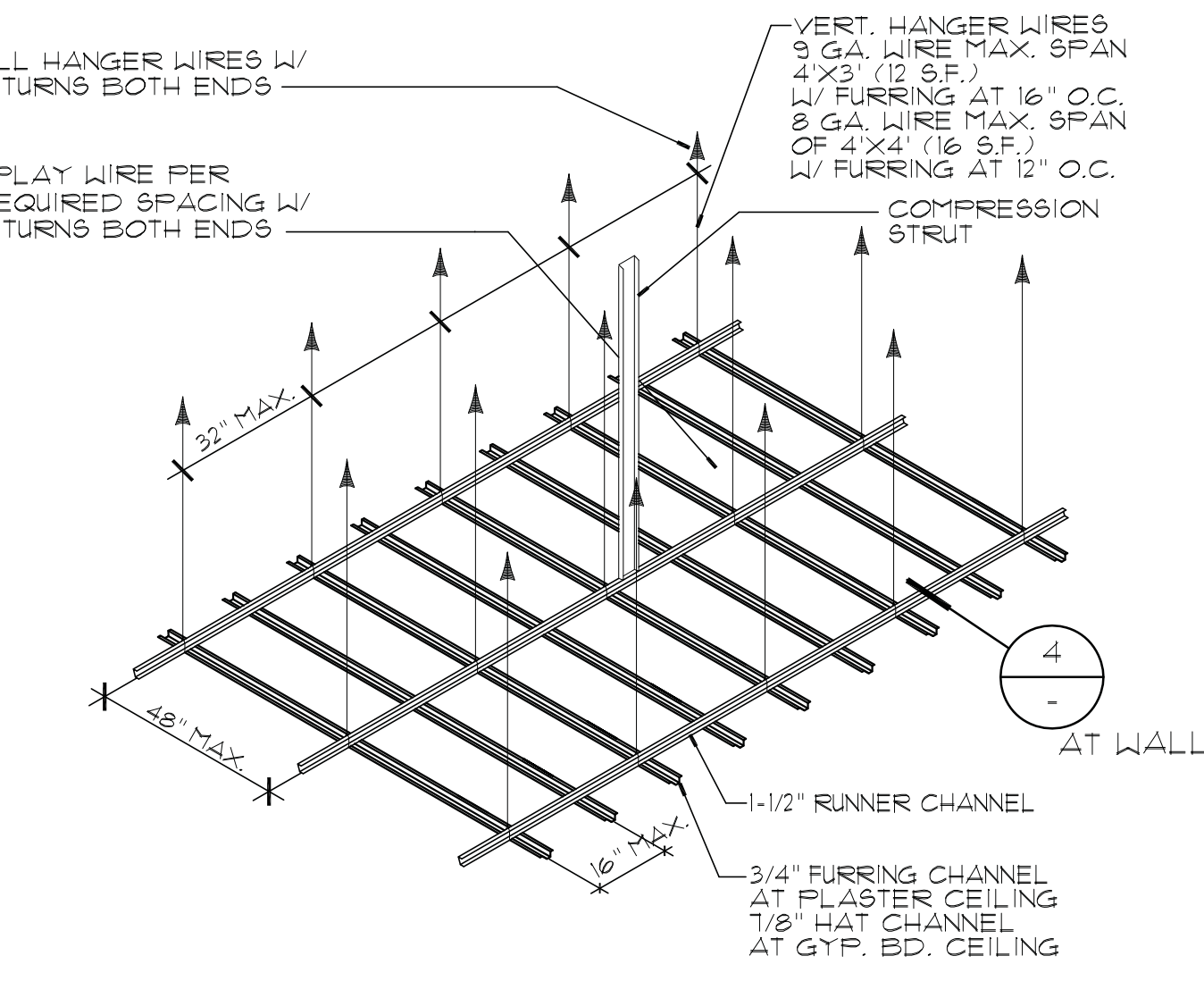
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Ceiling Access Door Detail
3'-1'-0"

DTL_4941

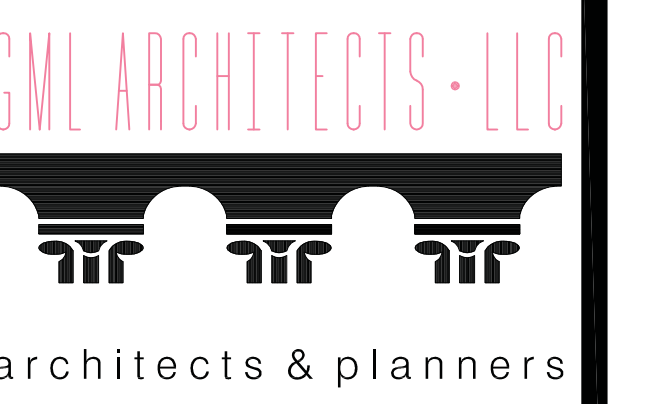
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Wire Bracing - Susp. Gyp. Bd.
N.T.S.

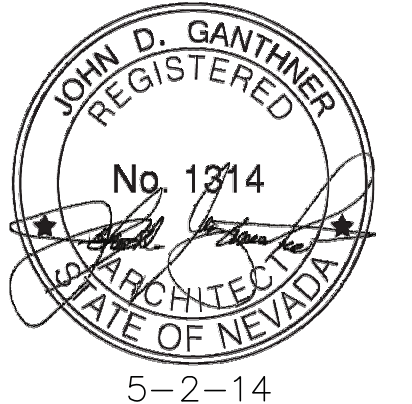
DTL_986

1



architects & planners

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RENO, NEVADA 89502
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F 775-829-8828



5-2-14

CARSON CITY
FLEET
MAINTENANCE
FACILITY
EXPANSION

CARSON CITY,
NEVADA

DATE	6-2-14
JOB NO	796
DRAWN	RBR
CHECKED	MLM/JDG

▲ BUILDING DEPARTMENT COMMENTS
4/24/14

DETAILS

A10

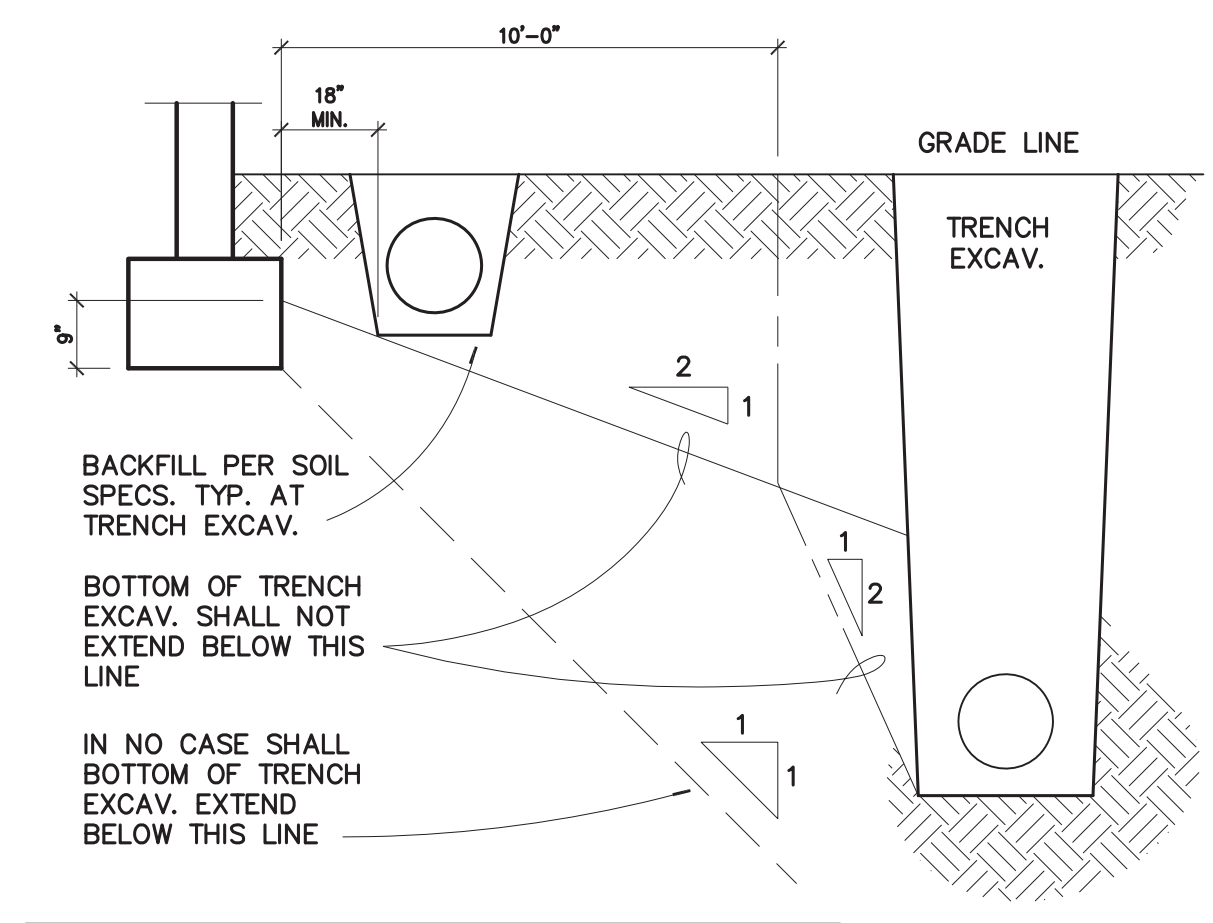
CARSON CITY
 FLEET
 MAINTENANCE
 FACILITY
 EXPANSION
 CARSON CITY,
 NEVADA

DATE 6-2-14
 JOB NO 796
 DRAWN A.M.
 CHECKED R.H.

BUILDING DEPARTMENT COMMENTS
 4/24/14

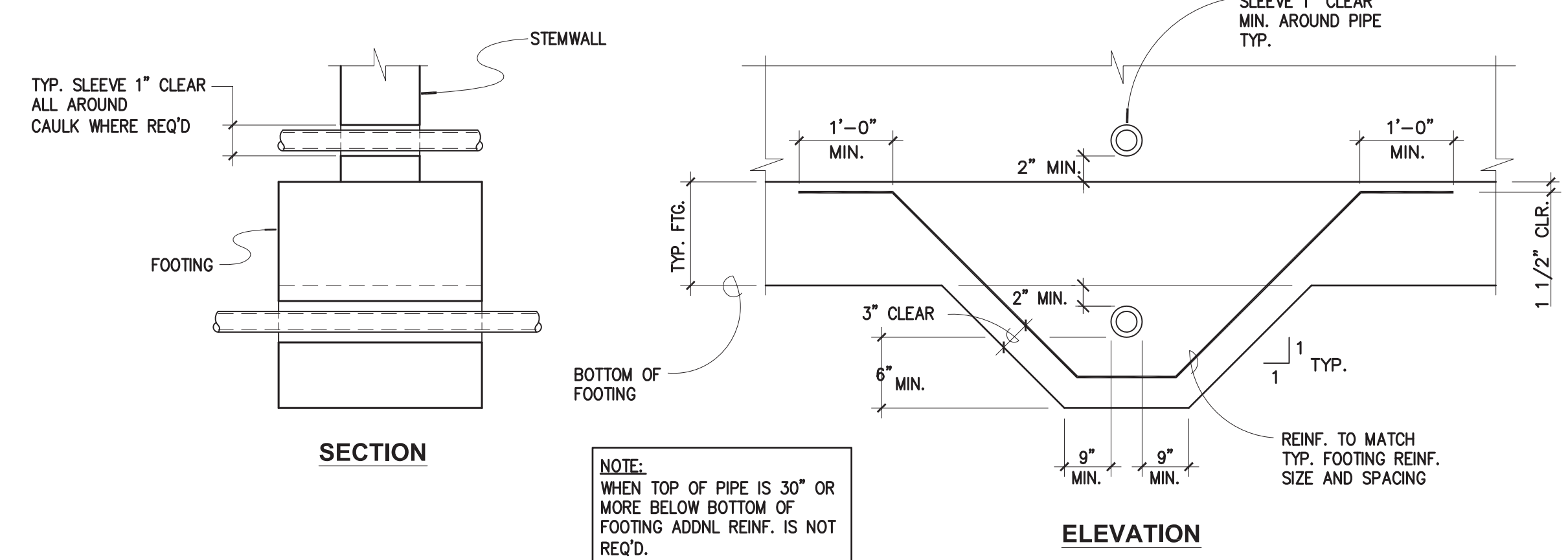
TYPICAL
 FOUNDATION
 DETAILS

S2

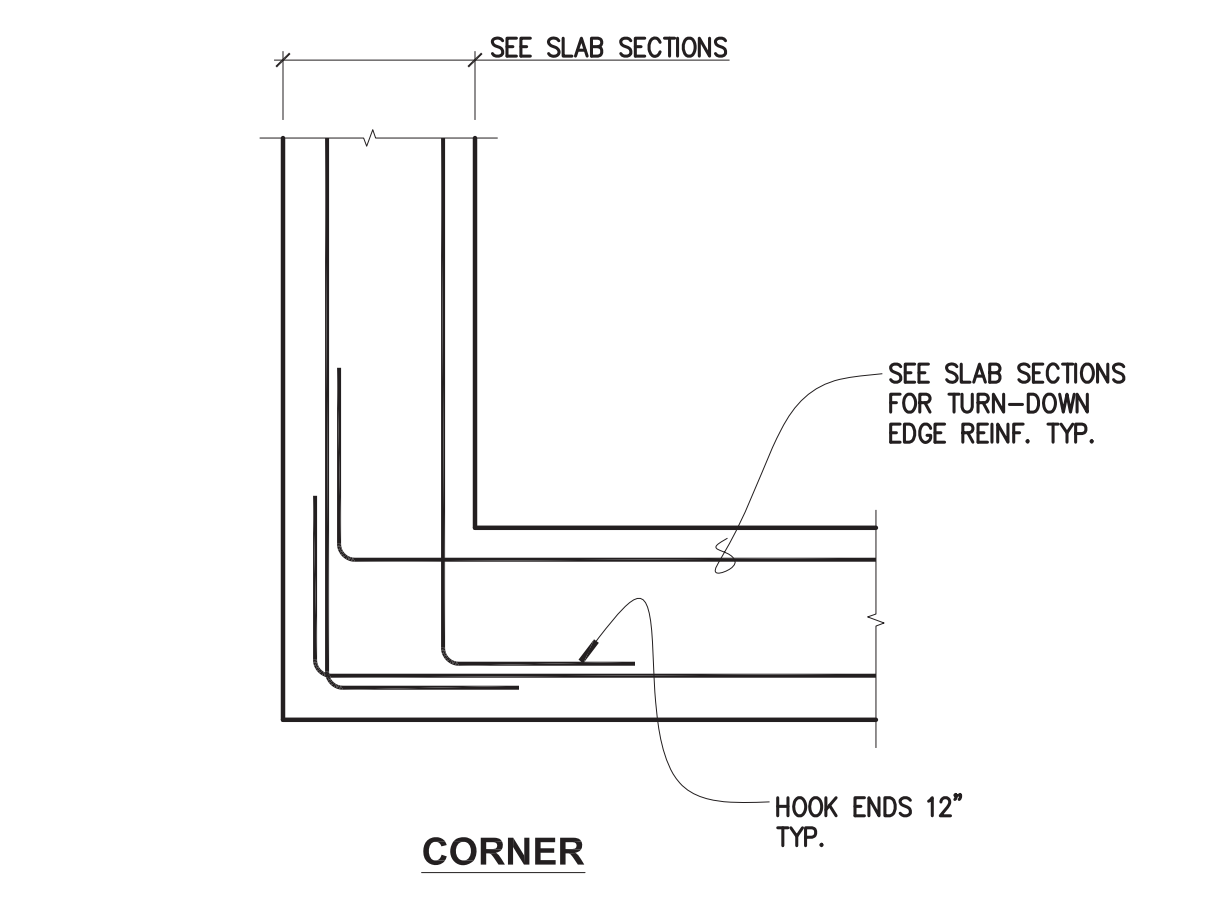


NOTE:
 THE CONTRACTOR SHALL COORDINATE ALL EXCAVATION OPERATIONS WITH BUILDING FOUNDATION REQUIREMENTS.

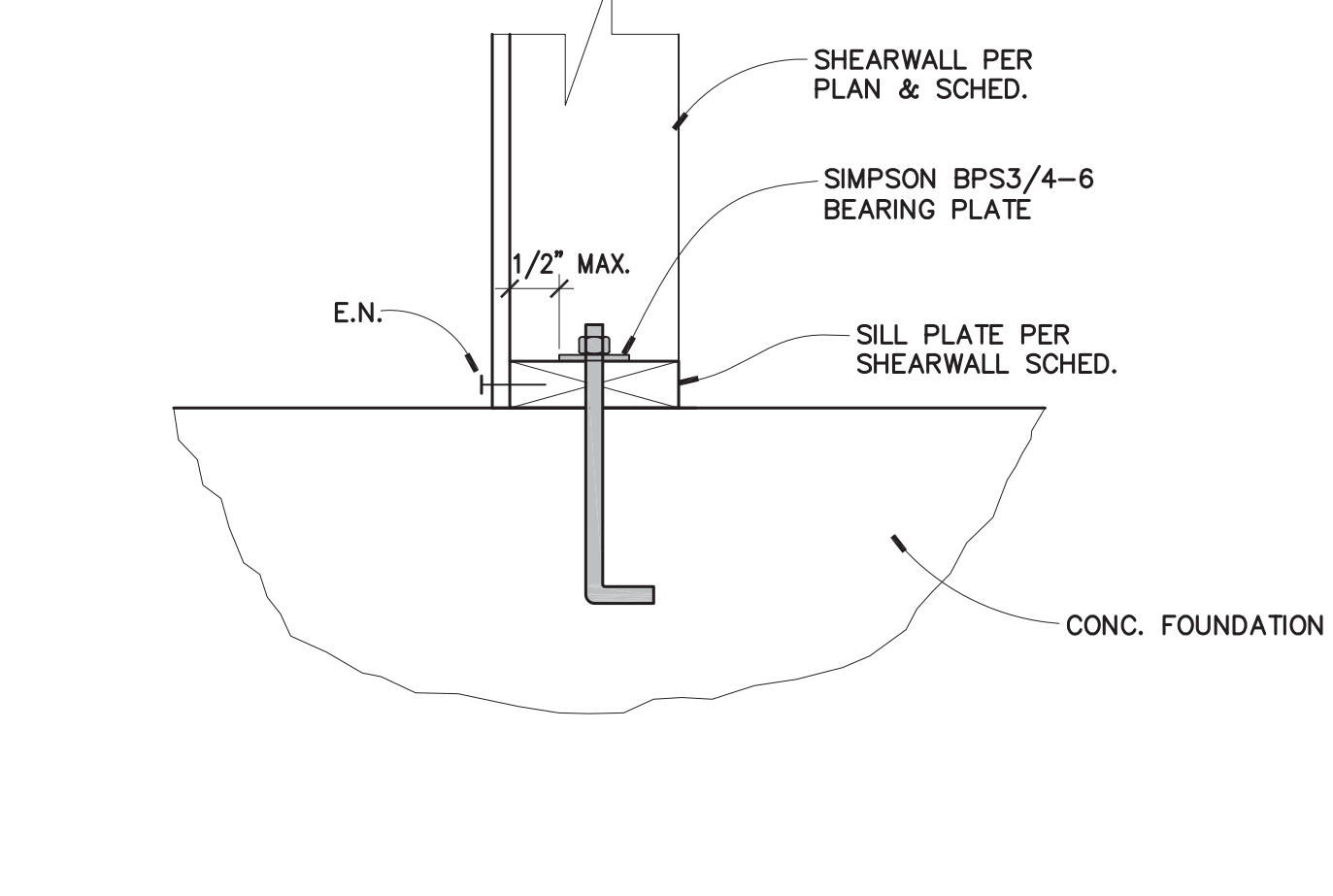
EXCAVATION PARALLEL TO FOOTING
 N.T.S. (1) S2



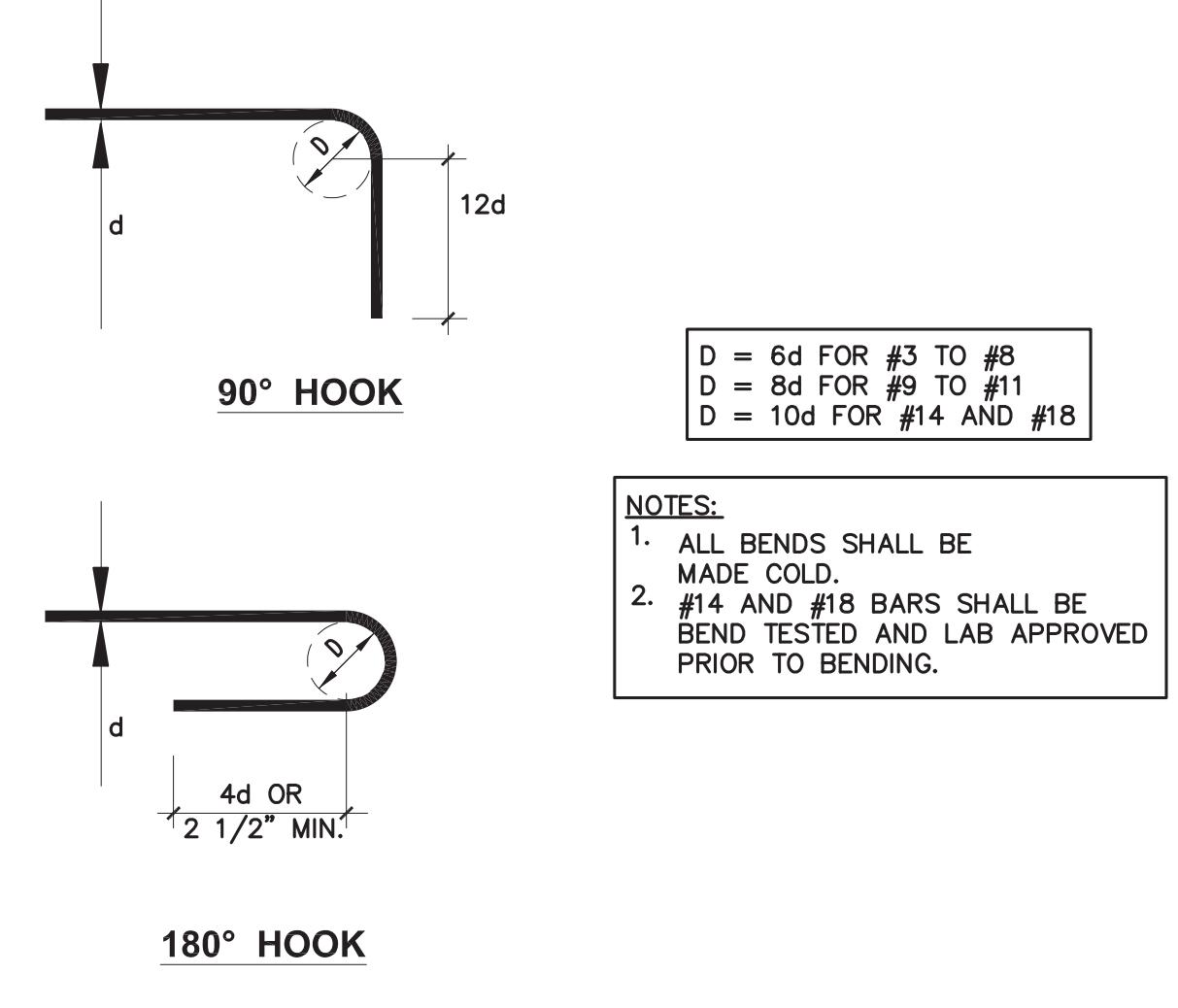
TYPICAL PIPE ENTRANCE
 N.T.S. (2) S2



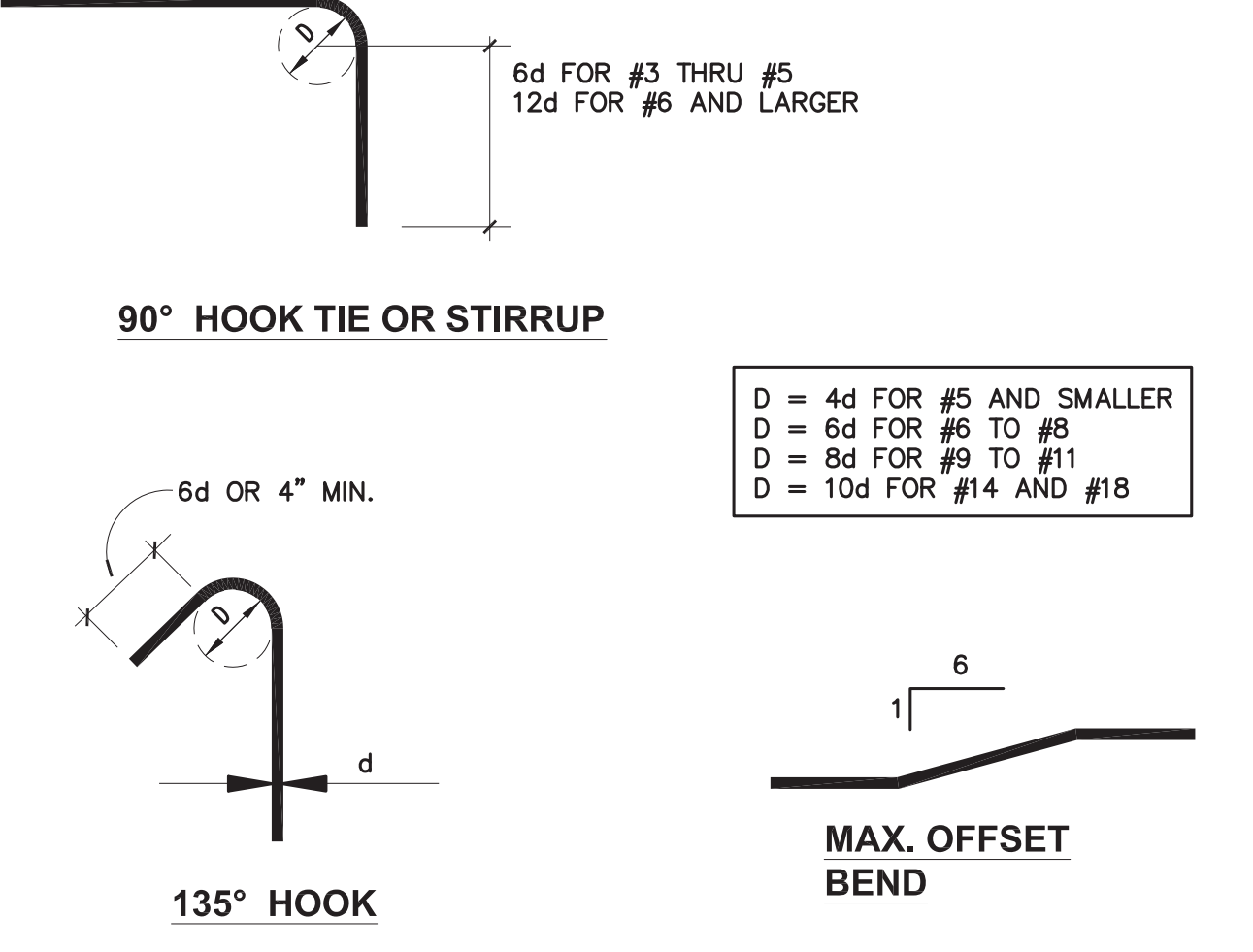
TYP. REINFORCEMENT LAP IN SLAB
 TURN-DOWN EDGE
 N.T.S. (3) S2



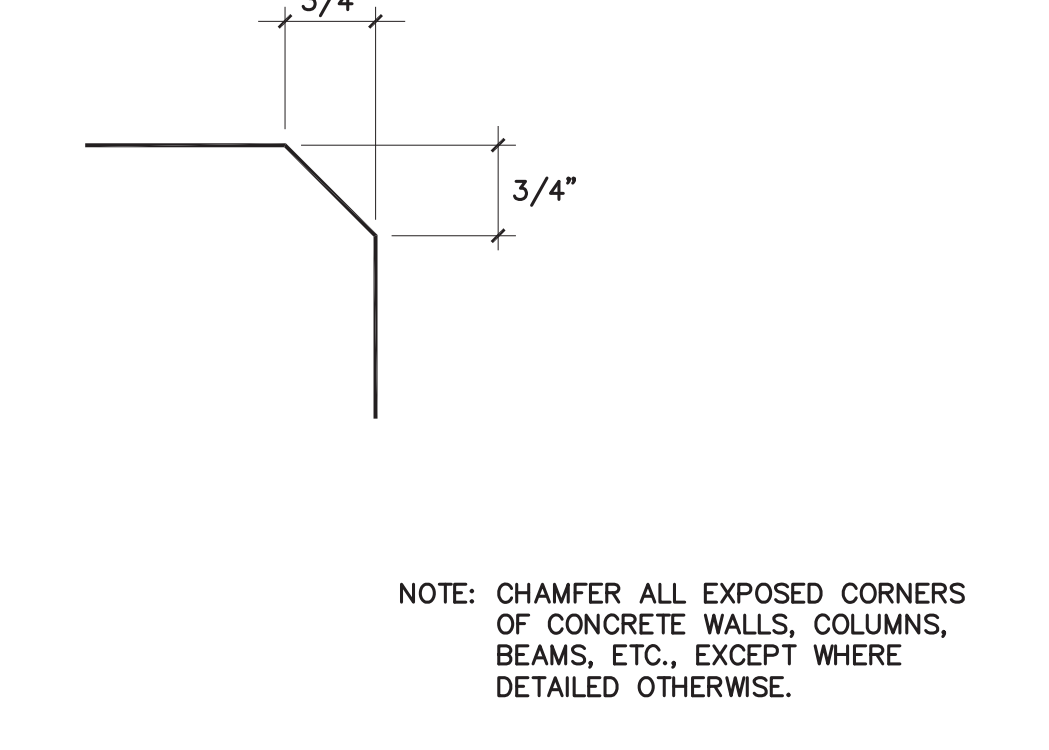
TYPICAL ANCHOR BOLT & BEARING PLATE
 N.T.S. (4) S2



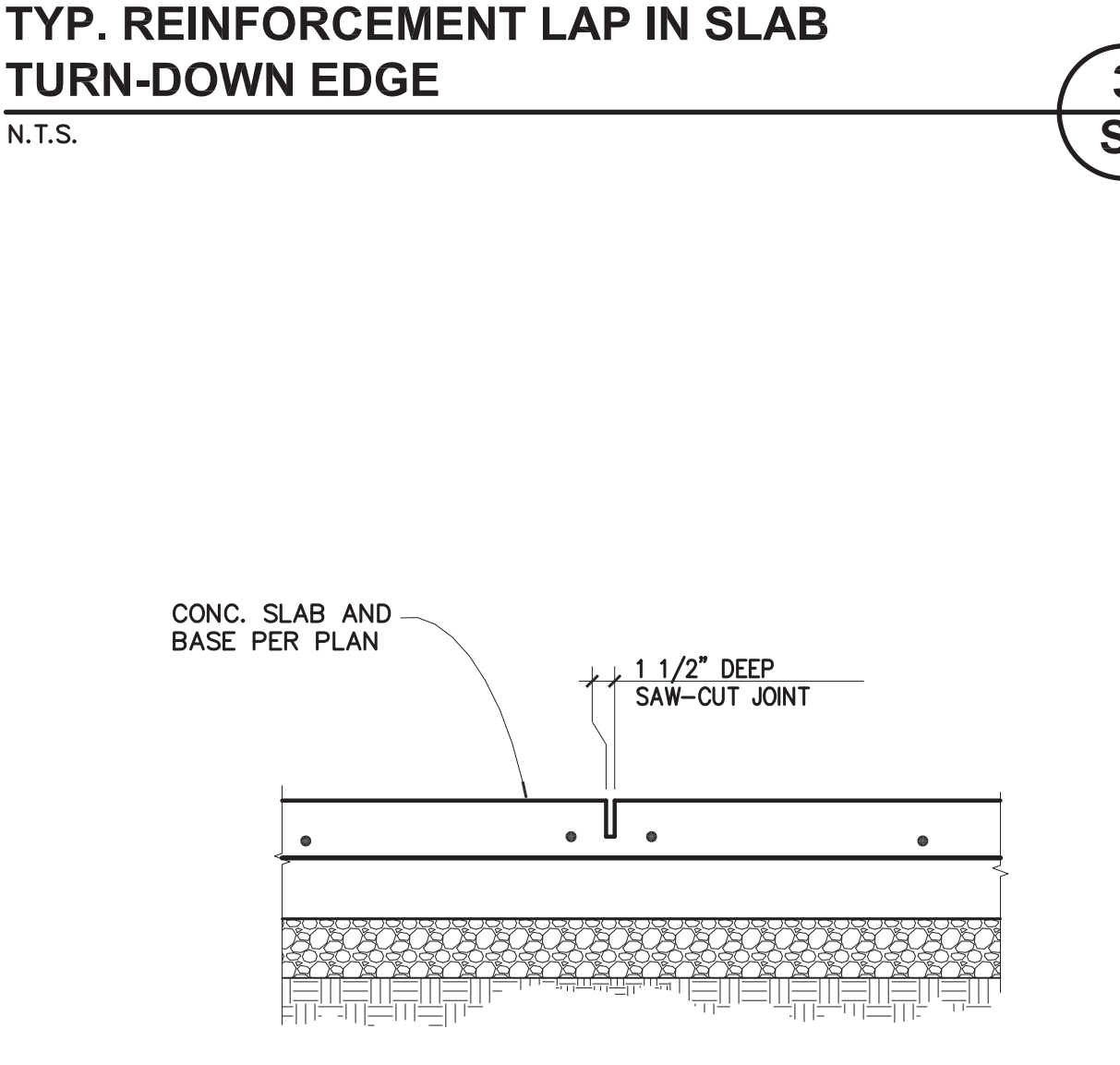
HOOKS AND BENDS FOR
 PRINCIPAL REINFORCING
 N.T.S. (5) S2



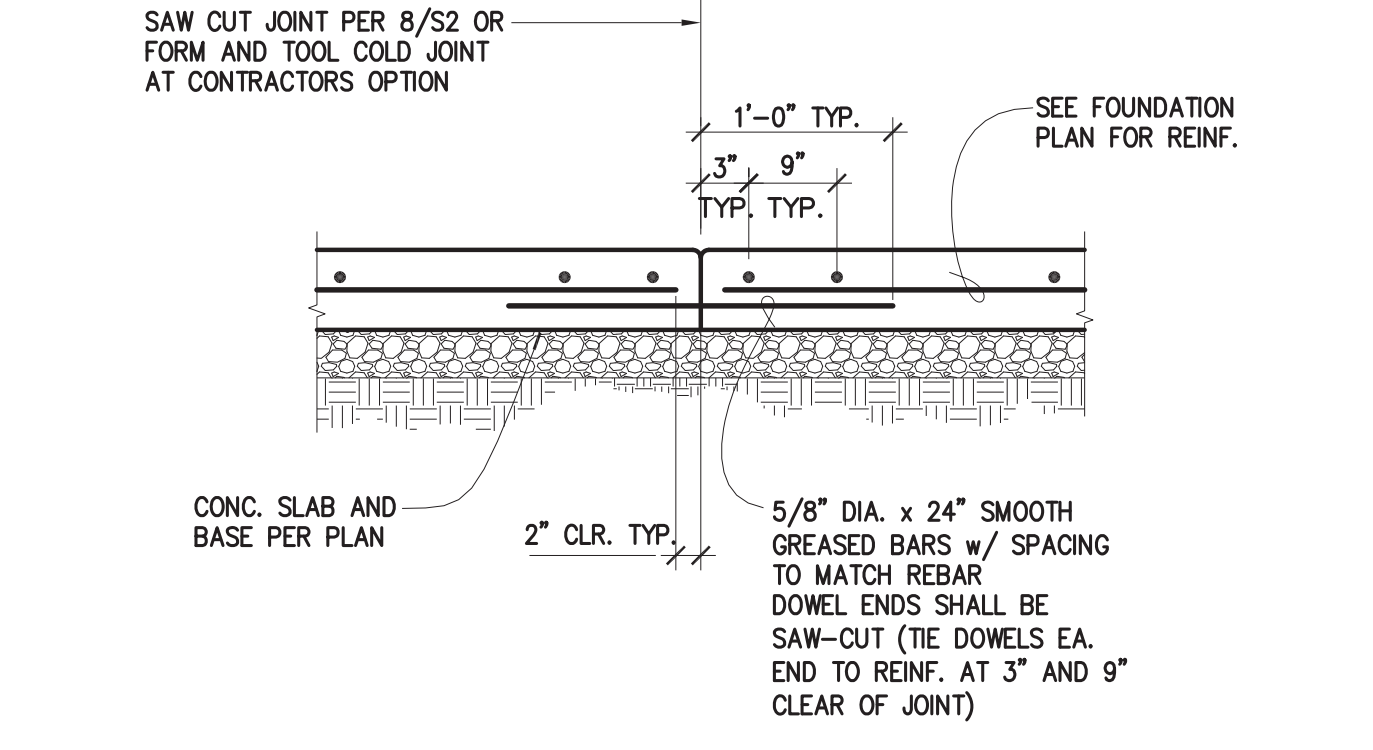
TIE AND STIRRUP HOOKS
 N.T.S. (6) S2



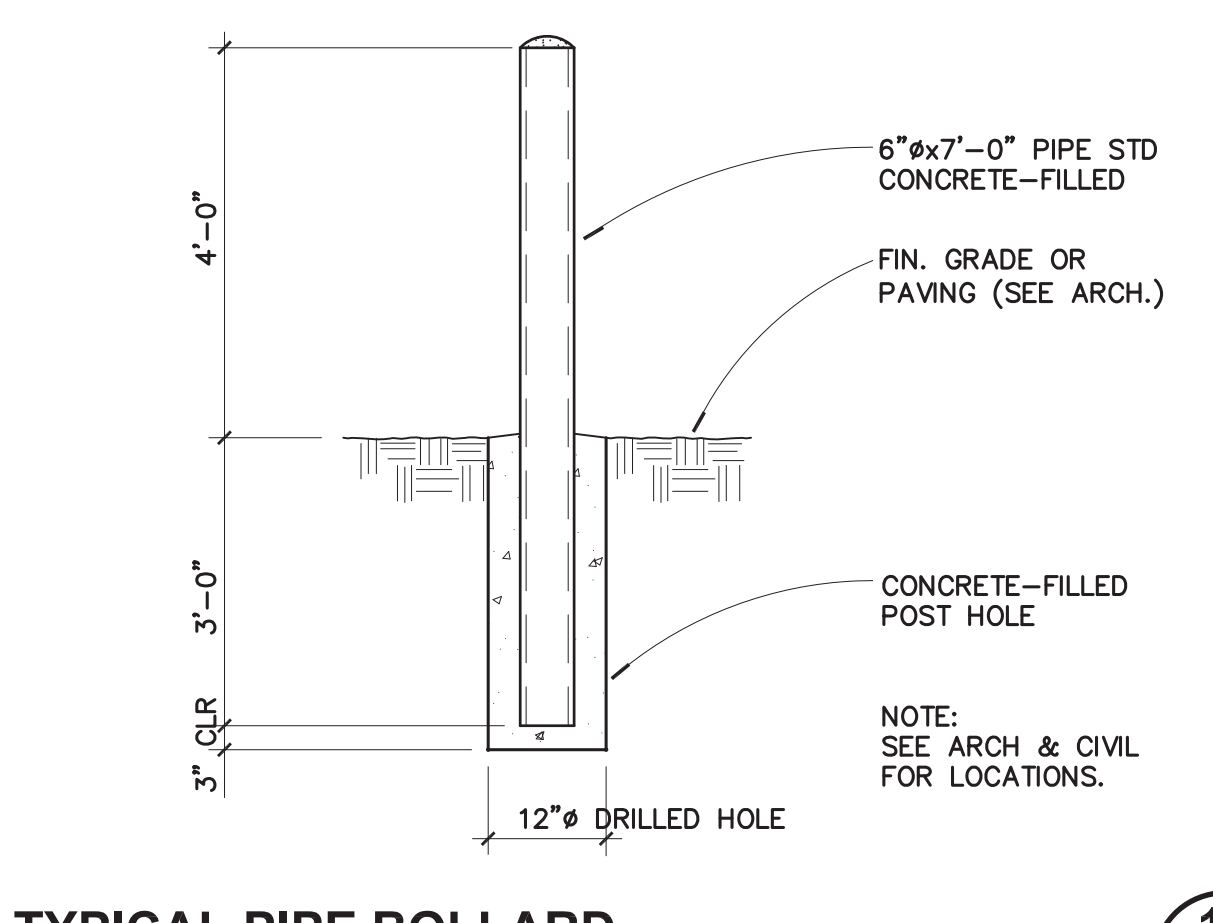
TYPICAL CONCRETE CHAMFER
 N.T.S. (7) S2



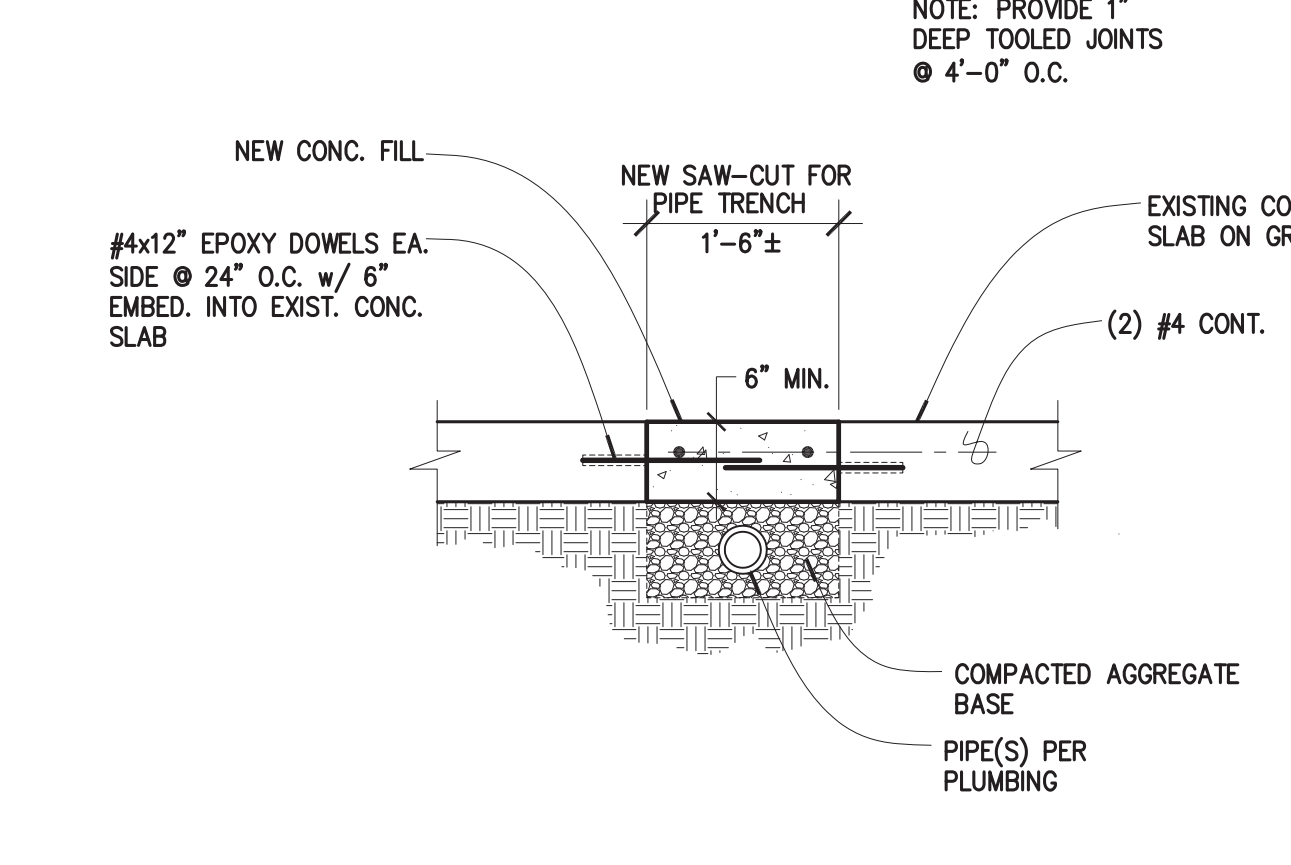
TYPICAL SLAB CONTROL JOINT (C.J.)
 AT 10'-0"± O.C.
 N.T.S. (8) S2



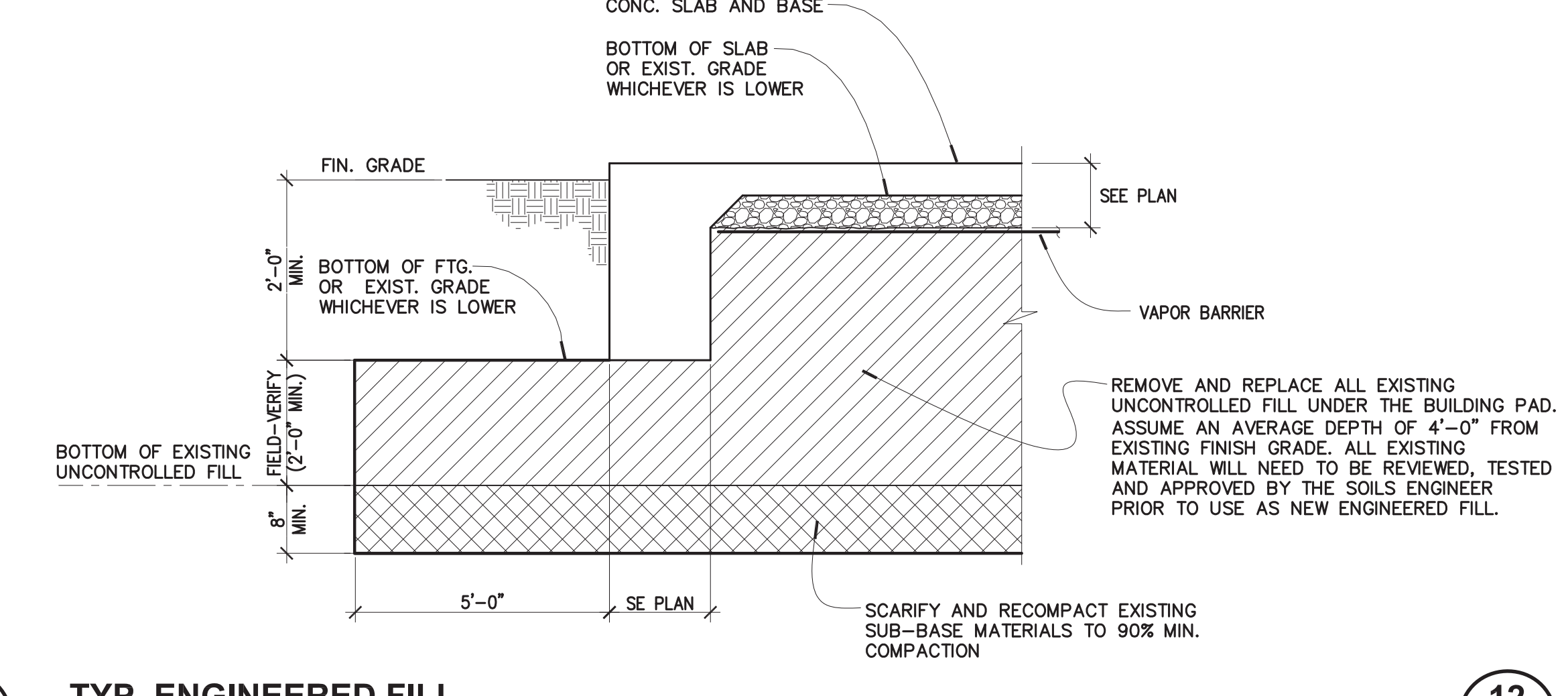
TYPICAL DOWELED CONSTRUCTION JOINT (D.J.)
 AT 20'-0"± O.C.
 N.T.S. (9) S2



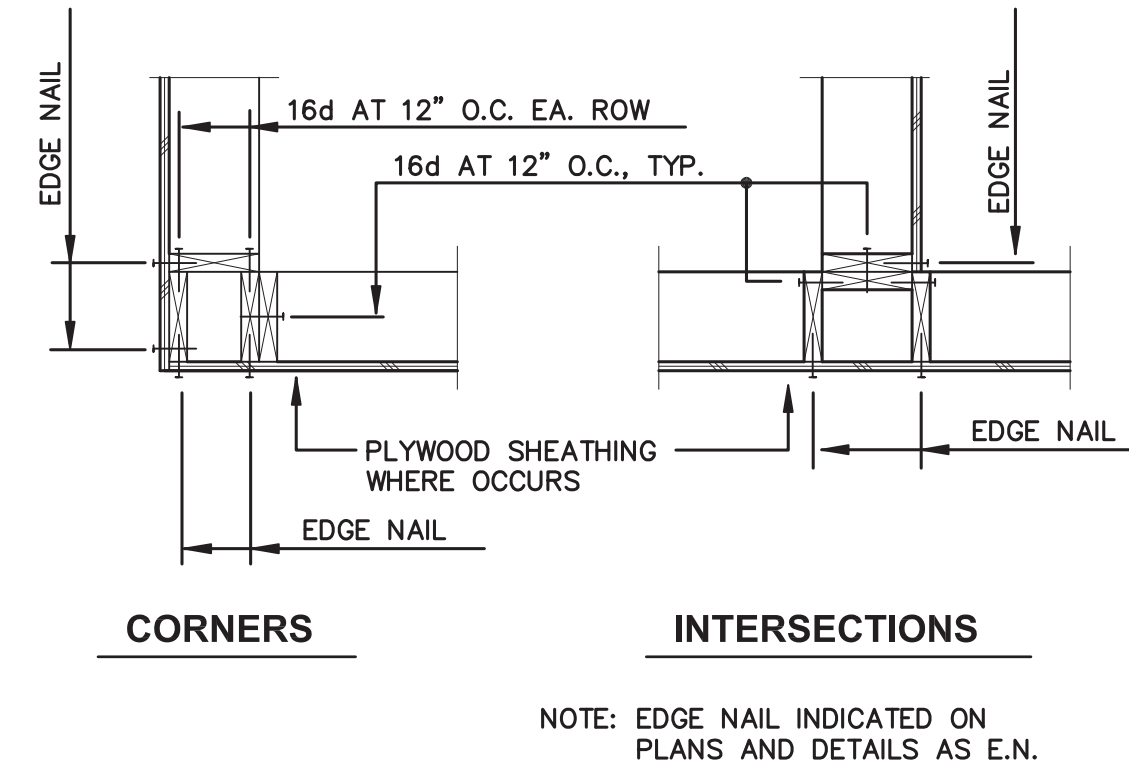
TYPICAL PIPE BOLLARD
 N.T.S. (10) S2



TYP. DRAIN TRENCH REPAIR
 N.T.S. (11) S2

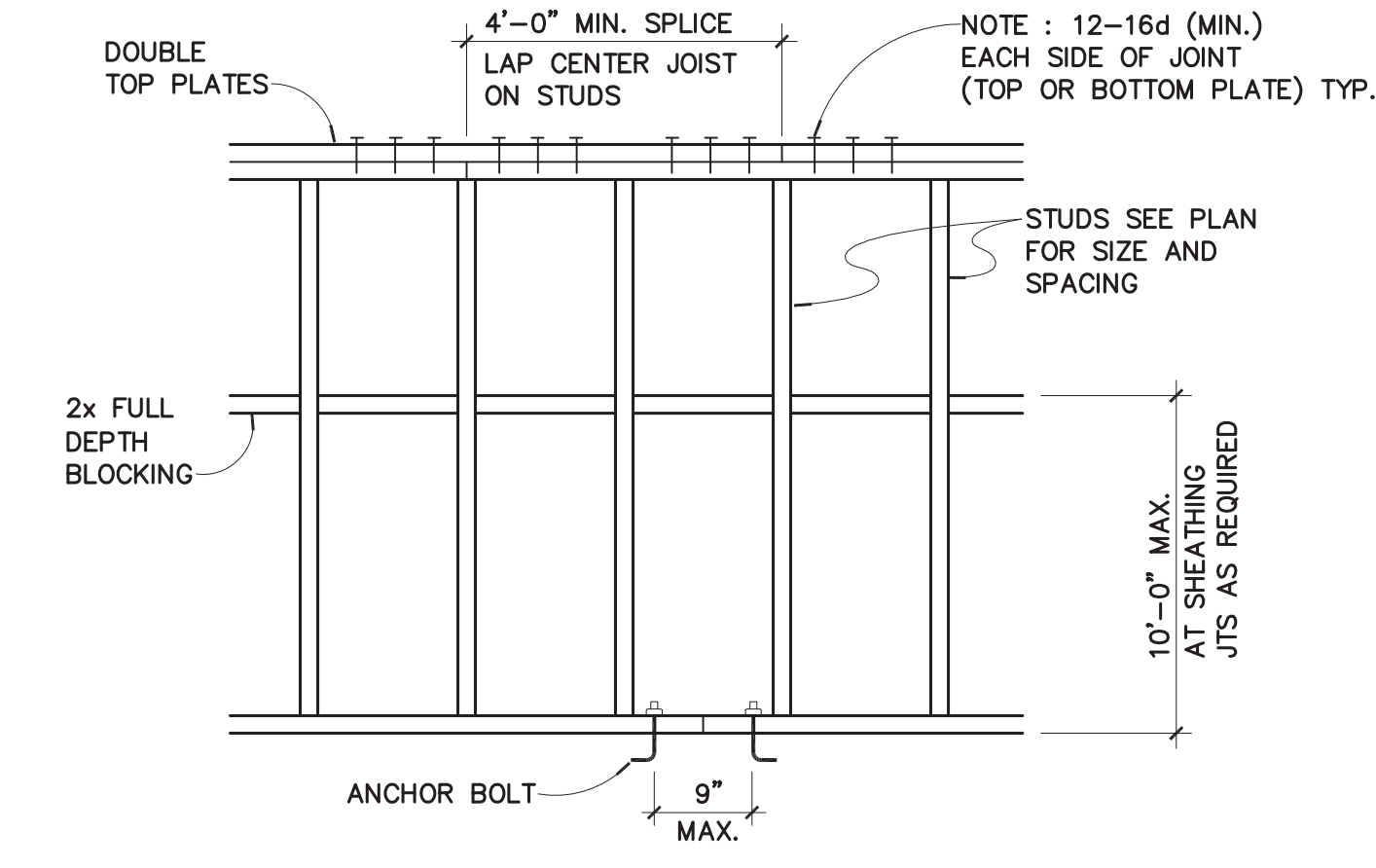


TYP. ENGINEERED FILL
 N.T.S. (12) S2



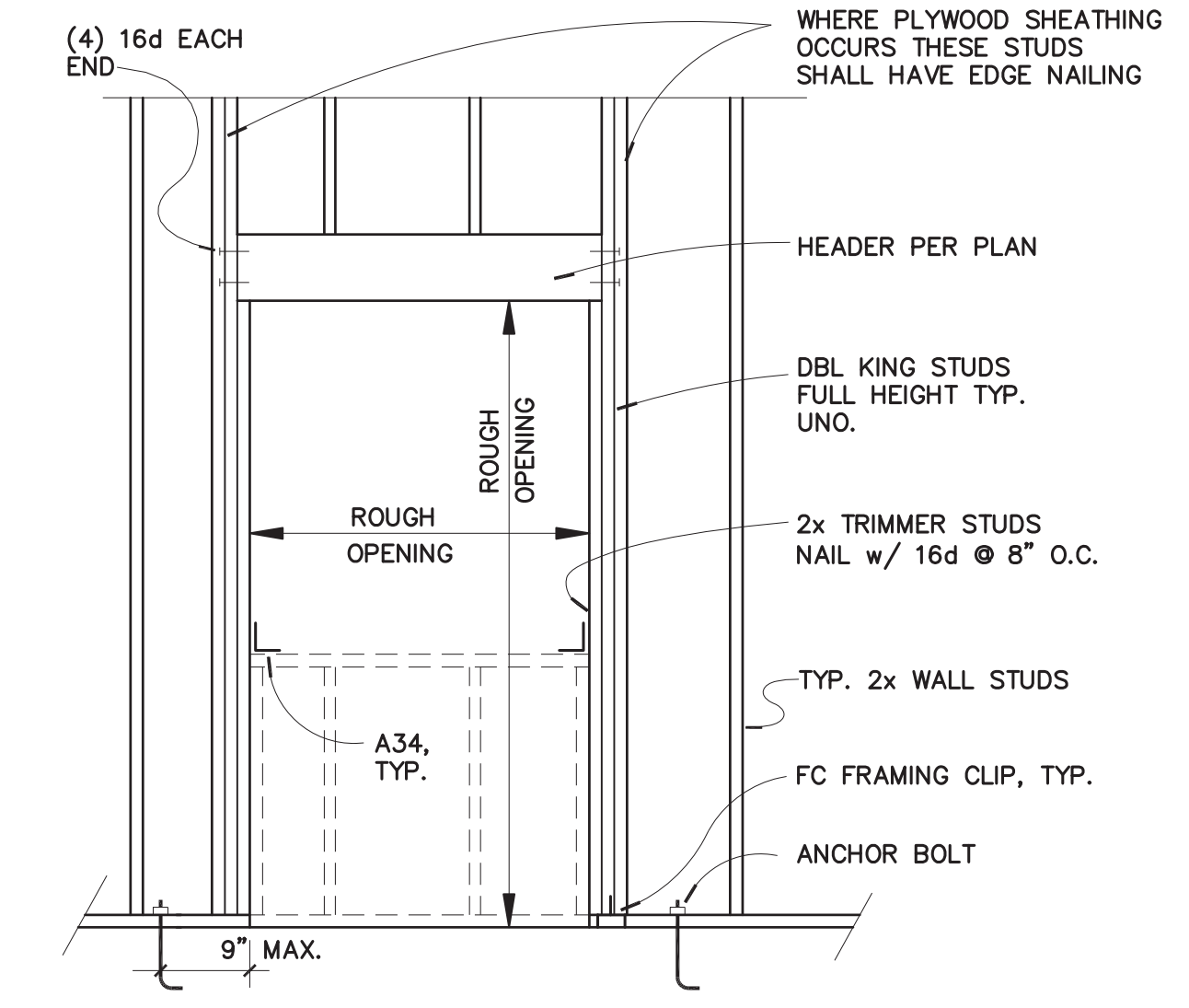
TYPICAL STUD WALL CONN.
NO SCALE

1
S3



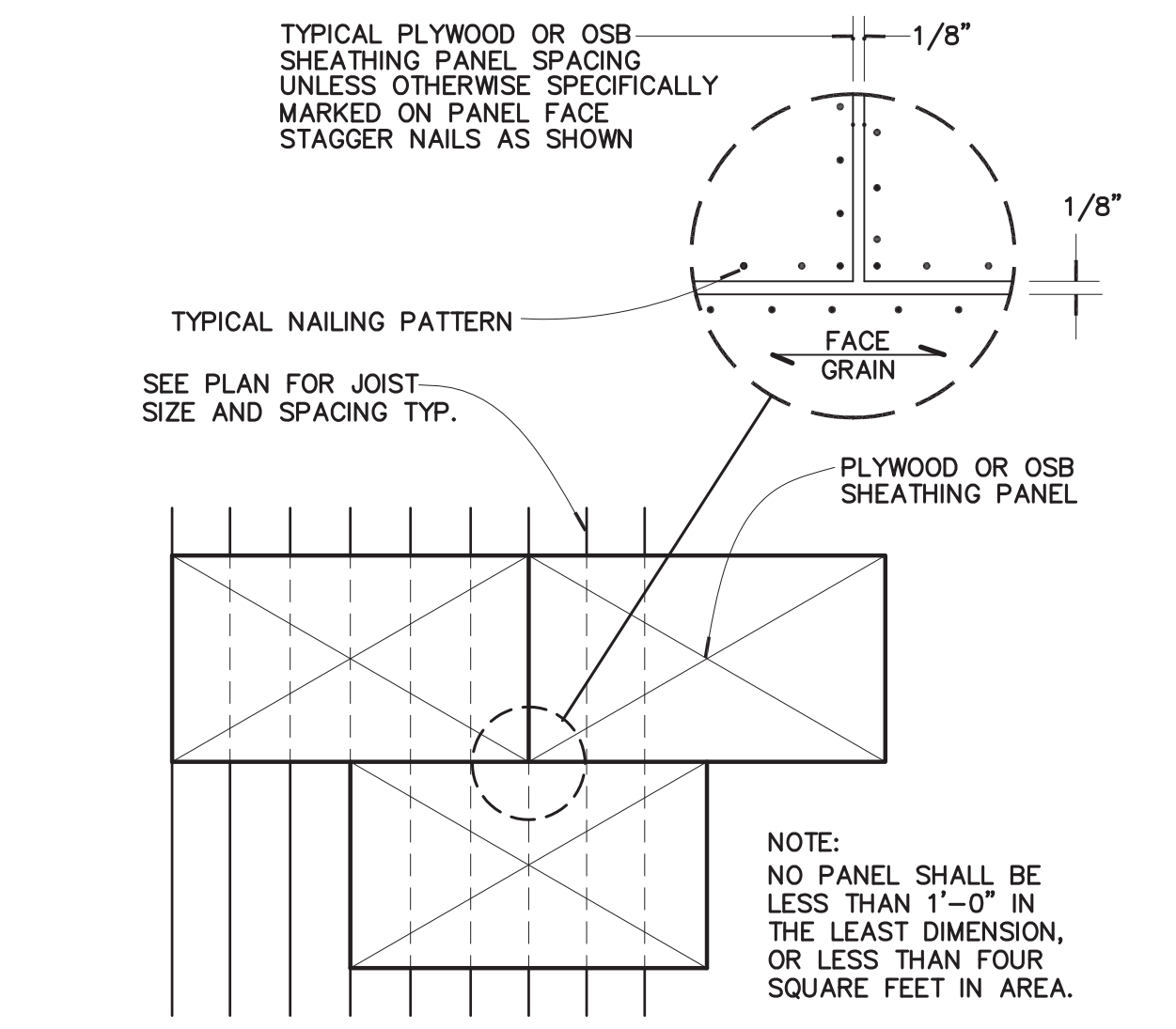
TYP. STUD BEARING WALL
NO SCALE

2
S3



TYPICAL OPENING FRAMING
NO SCALE

3
S3

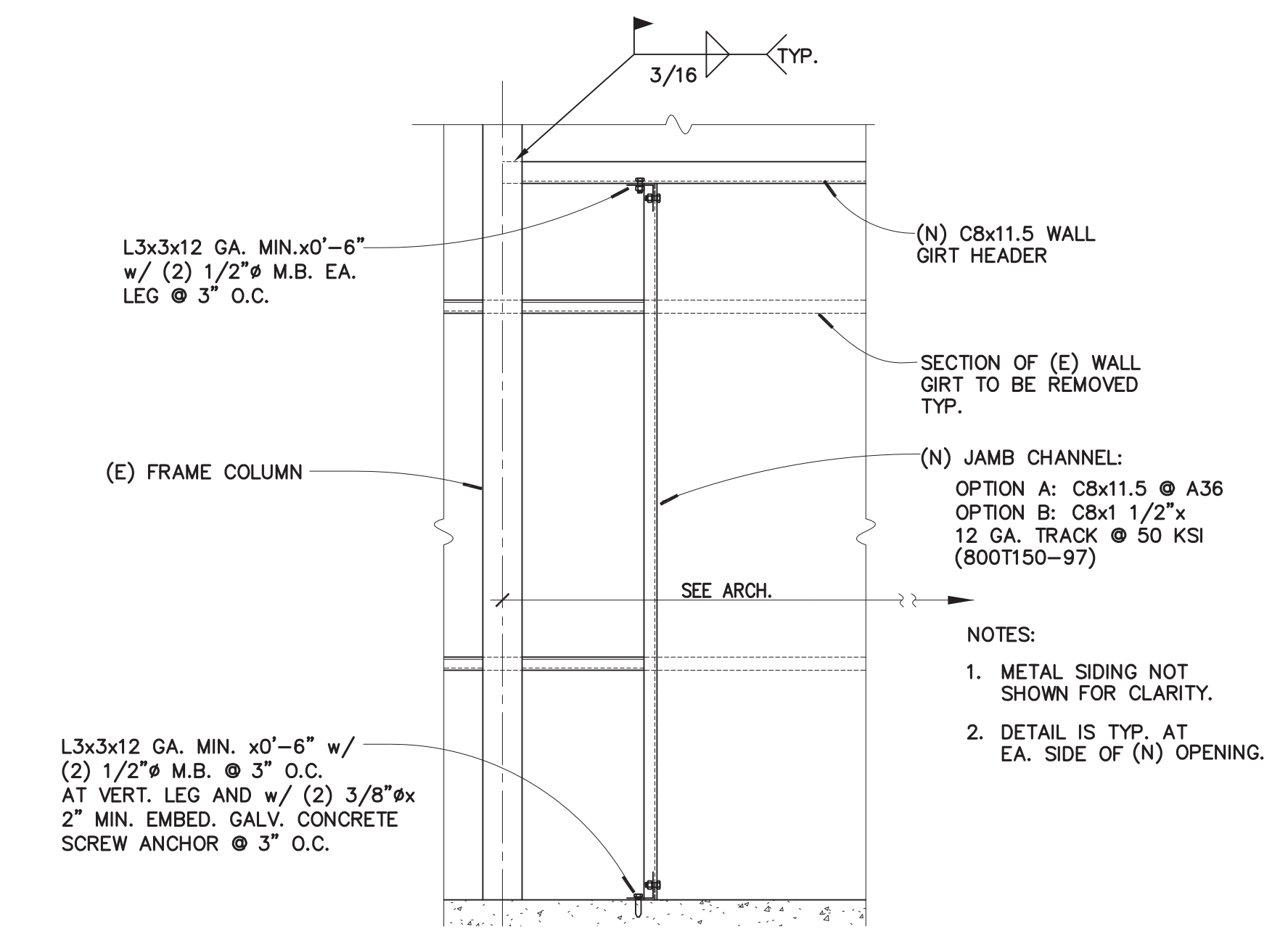


TYPICAL SHEATHING SPACING & NAILING PATTERN
NO SCALE

4
S3

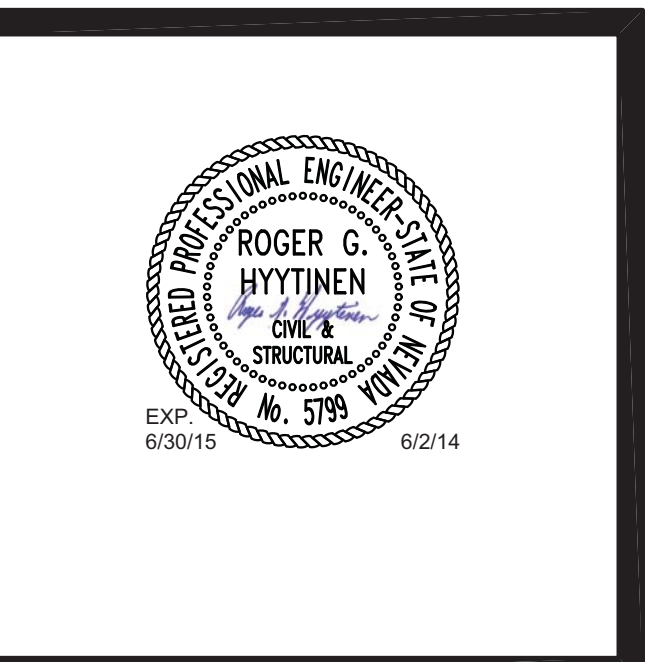
NAILING SCHEDULE		
CONNECTION	FASTENING	LOCATION
1) JOIST TO SILL OR GIRDER	(3) 8d COMMON	TOENAIL
2) BRIDGING TO JOIST	(2) 8d COMMON	TOENAIL EA. END
3) 1x6 SUBFLOOR OR LESS TO EACH JOIST	(2) 8d COMMON	FACE NAIL
4) WIDER THAN 1x6 SUBFLOOR TO EACH JOIST	(3) 8d COMMON	FACE NAIL
5) 2" SUBFLOOR TO JOIST OR GIRDER	(2) 16d COMMON	BLIND AND FACE NAIL
6) SOLE PLATE TO JOIST OR BLOCKING AT BRACED WALL PANEL	16d AT 16" O.C. (3) 16d AT 16" O.C.	TYPICAL FACE NAIL BRACED WALL PANELS
7) TOP PLATE TO STUD	(2) 16d COMMON	END NAIL
8) STUD TO SOLE PLATE	(4) 8d COMMON (2) 16d COMMON	TOENAIL END NAIL
9) DOUBLE STUDS	16d AT 24" O.C.	FACE NAIL
10) DOUBLE TOP PLATES	16d AT 16" O.C. (8) 16d COMMON	TYPICAL FACE NAIL LAP SPLICE
11) BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE	(3) 8d COMMON	TOENAIL
12) RIM JOIST TO TOP PLATE	8d AT 6"	TOENAIL
13) TOP PLATES, LAPS AND INTERSECTIONS	(2) 16d COMMON	FACE NAIL
14) CONTINUOUS HEADER, TWO PIECES	16d COMMON	16" O.C. ALONG EDGE
15) CEILING JOISTS TO PLATE	(3) 8d COMMON	TOENAIL
16) CONTINUOUS HEADER TO STUD	(4) 8d COMMON	TOENAIL
17) CEILING JOISTS TO PARALLEL RAFTERS	(3) 16d COMMON MIN.	FACE NAIL
18) CEILING JOIST TO PARALLEL RAFTERS	(3) 16d COMMON MIN.	FACE NAIL
19) RAFTER TO PLATE	(3) 8d COMMON	TOENAIL
20) 1" BRACE TO EACH STUD AND PLATE	(2) 8d COMMON	FACE NAIL
21) 1x8 SHEATHING TO EACH BEARING	(3) 8d COMMON	FACE NAIL
22) WIDER THAN 1x8 SHEATHING TO EACH BEARING	(3) 8d COMMON	FACE NAIL
23) BUILT-UP CORNER STUDS	16d COMMON 2x4" O.C.	FACE NAIL TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES FACE NAIL AT ENDS AND AT EACH SPLICE
24) BUILT-UP GIRDER & BEAMS	(2) 20d COMMON	AT EACH BEARING
25) 2" PLANKS	(3) 16d COMMON	FACE NAIL
26) COLLAR TIE TO RAFTER	(3) 16d COMMON	FACE NAIL
27) JACK RAFTER TO HIP	(2) 16d COMMON	FACE NAIL
28) ROOF RAFTER TO 2x RIDGE BEAM	(2) 16d COMMON	FACE NAIL

5
S3



WALL CUT FOR NEW DOOR
N.T.S.

6
S7

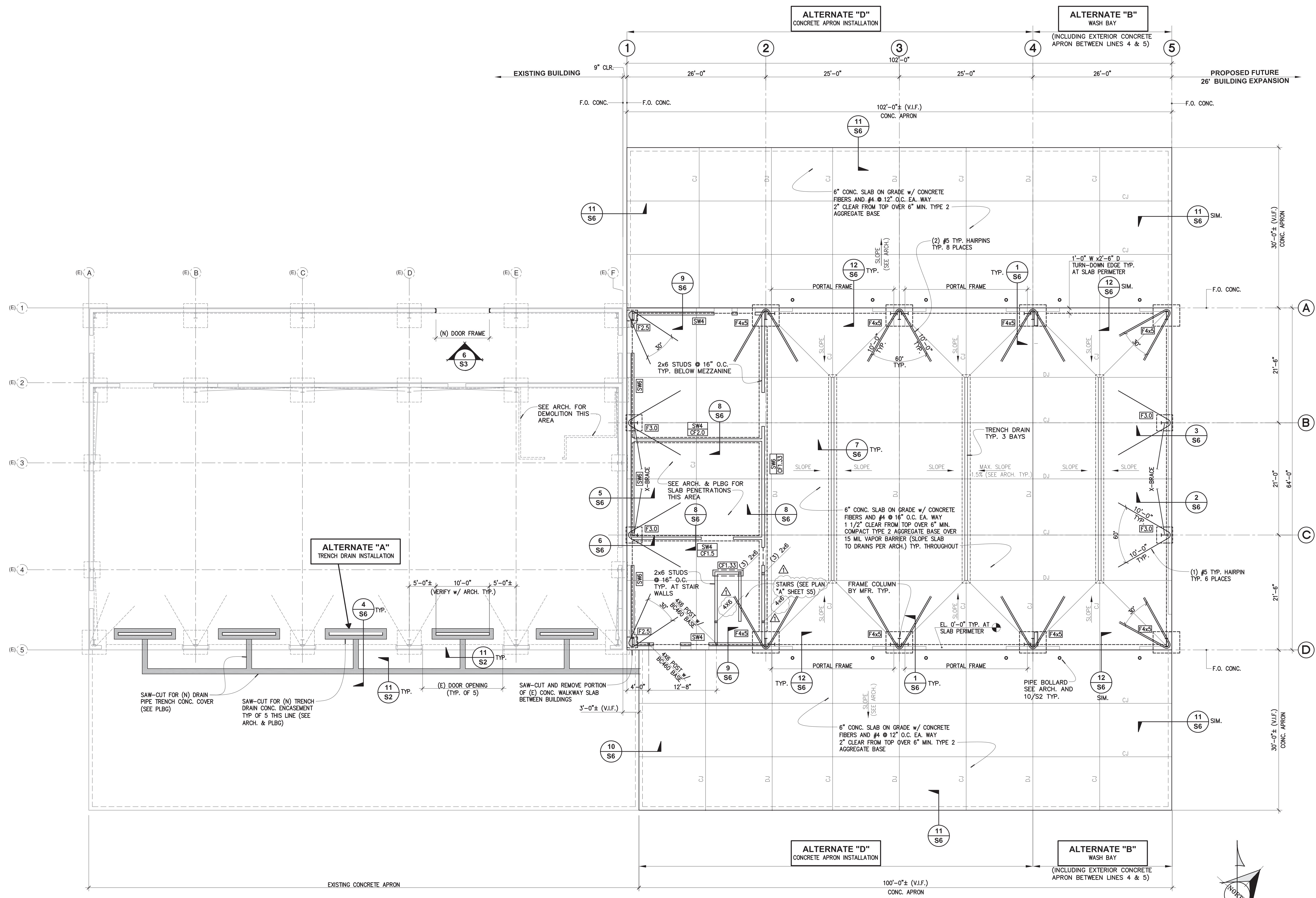


**CARSON CITY
FLEET
MAINTENANCE
FACILITY
EXPANSION**

CARSON CITY,
NEVADA

DATE 6-2-14
JOB NO 796
DRAWN A.M.
CHECKED R.H.

BUILDING DEPARTMENT COMMENTS
4/24/14



FOUNDATION/FLOOR PLAN

1/8"=1'-0"

FOOTING SCHEDULE		
MARK	SIZE	REINFORCEMENT
F2.5	2'-6" SQ. x 12" MIN.	(3) #4 EA. WAY BOT.
F3.0	3'-0" SQ. x 12" MIN.	(4) #4 EA. WAY BOT.
F4.5	4'-0"x5'-0" x 12" MIN.	(6) #4 EA. WAY BOT.
CF1.33	16" W x 12" D MIN.	(2) #4 CONT.
CF1.50	18" W x 12" D MIN.	(2) #4 CONT.
CF2.0	24" W x 12" D MIN.	(3) #4 CONT.

SHEARWALL SCHEDULE				
MARK	SHEATHING	NAILING		REMARKS
		EDGES	FIELD	
SW4	1/2" CDX PLYWOOD OR OSB	10d @ 4" O.C.	10d @ 12" O.C.	
SW6	1/2" CDX PLYWOOD OR OSB	10d @ 6" O.C.	10d @ 12" O.C.	

NOTES:
 1. PROVIDE BLOCKING AT ALL UNSUPPORTED PANEL EDGES.
 2. SHEATHING SHALL BE EXP. I EXTERIOR GRADE APA RATED WITH A SPAN RATIO OF 32/16.
 3. ALL ANCHOR BOLTS SHALL HAVE A MINIMUM EMBEDMENT DEPTH OF 7" AND SHALL BE INSTALLED WITH A BRP3/4-6 BEARING PLATE PER 4/S2.
 4. ALL EPOXY ANCHORS SHALL HAVE A MINIMUM EMBEDMENT DEPTH OF 6" AND SHALL BE INSTALLED WITH A BRP3/4-6 BEARING PLATE PER 4/S2.

- NOTES:**
- IT SHALL BE THE CONTRACTOR'S DIRECT RESPONSIBILITY TO COMPLY WITH TYPICAL DETAILS AND GENERAL NOTES AS OUTLINED WITHIN THESE CONTRACT DOCUMENTS
 - DRAWINGS ARE DIAGRAMATIC IN NATURE AND ARE NOT INTENDED TO INDICATE PRECISE LOCATION OR SIZE OF EXISTING FRAMING, WHICH SHALL BE FIELD DETERMINED BY THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS SO AS TO PROPERLY COORDINATE FOR THE NEW FRAMING REQUIREMENTS OUTLINED IN THESE CONTRACT DOCUMENTS, AND SHALL BRING ANY DISCREPANCY TO THE IMMEDIATE ATTENTION OF THE ARCHITECT, WHO SHALL ISSUE FINAL INSTRUCTIONS FOLLOWING REVIEW.
 - WHERE NEW FRAMING CONFLICTS WITH EXISTING MECHANICAL, ELECTRICAL OR PLUMBING WORK, THE ARCHITECT SHALL BE NOTIFIED PRIOR TO THE START OF ANY WORK.
 - EXISTING DIMENSIONS, WHERE SHOWN, ARE APPROXIMATE AND INTENDED FOR REFERENCE AND COORDINATION ONLY. THE CONTRACTOR SHALL FIELD-VERIFY ALL BUILDING DIMENSIONS AS REQUIRED FOR NEW CONSTRUCTION.
 - SEE 12/S2 FOR TYPICAL ENGINEERED FILL REQUIREMENTS.

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 RENO NEVADA 89502
 P 775 829 8814
 F 775 829 8828

PROFESSIONAL ENGINEER
 ROGER G. HYTTINEN
 CIVIL & STRUCTURAL
 LICENSE NO. 578
 EXP. 6/30/15
 6/2/14

HYTTINEN ENGINEERING
 5458 Longley Lane, Suite B
 Reno, Nevada 89511
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 Fax (775) 826-3076

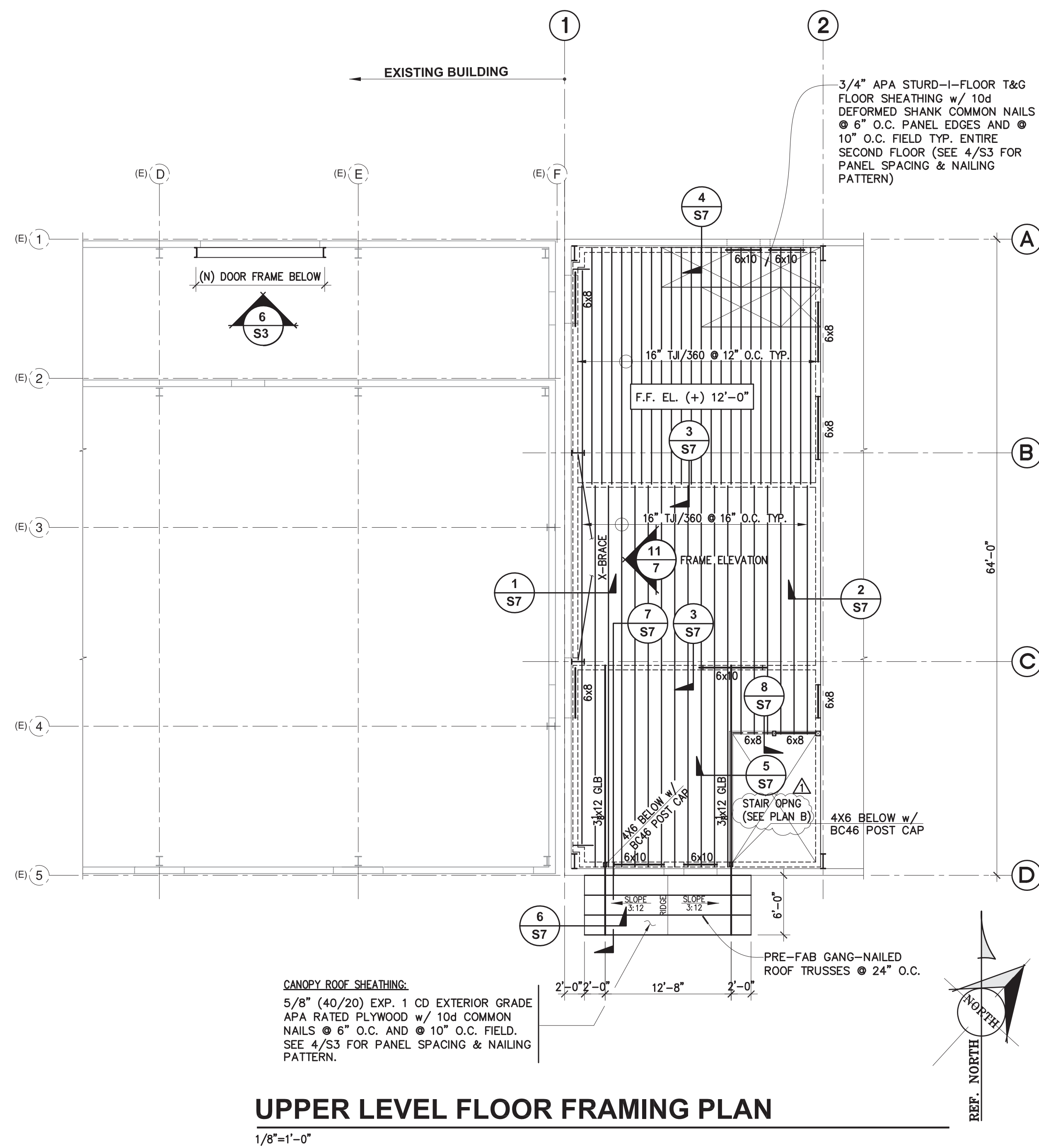
CARSON CITY FLEET MAINTENANCE FACILITY EXPANSION
 CARSON CITY, NEVADA

DATE	6-2-14
JOB NO	796
DRAWN	A.M.
CHECKED	R.H.

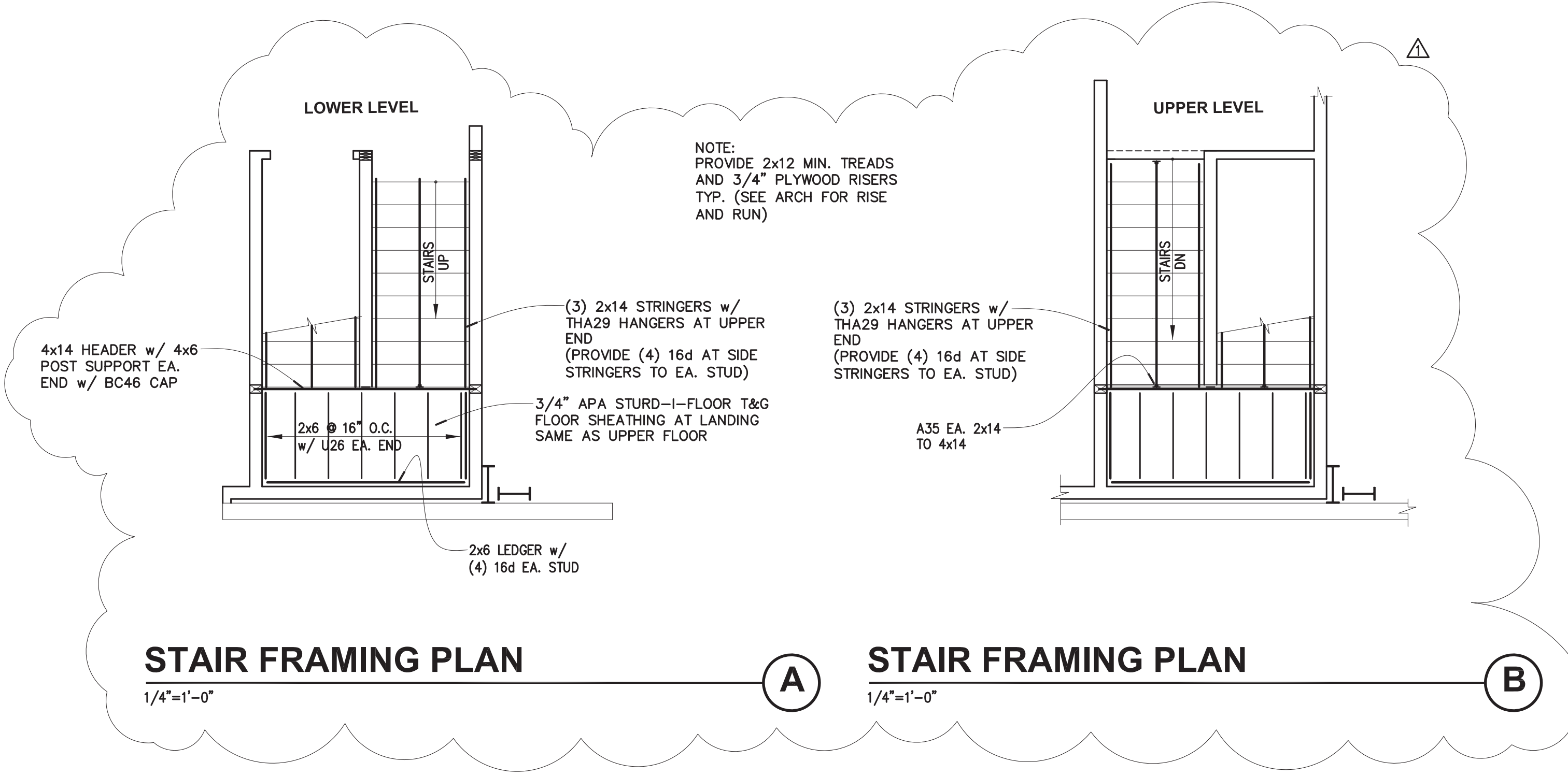
▲ BUILDING DEPARTMENT COMMENTS
 4/24/14

FOUNDATION/ GROUND LEVEL PLAN

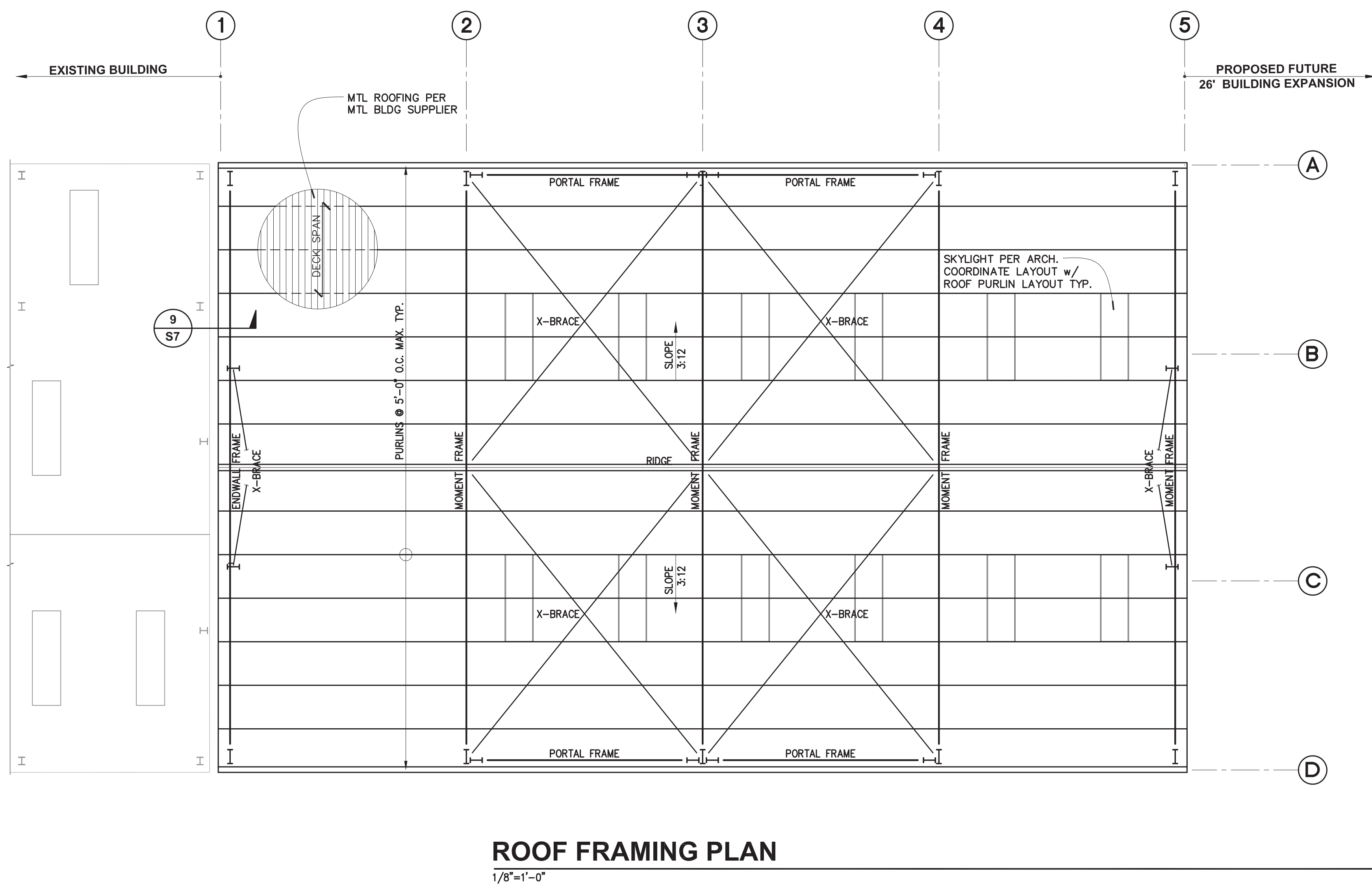
S4



UPPER LEVEL FLOOR FRAMING PLAN
1/8"=1'-0"



STAIR FRAMING PLAN
1/4"=1'-0"



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

Notes:

- IT SHALL BE THE CONTRACTOR'S DIRECT RESPONSIBILITY TO COMPLY WITH DETAILS AND GENERAL NOTES AS OUTLINED WITHIN THESE CONTRACT DOCUMENTS.
- DRAWINGS ARE DIAGRAMATIC IN NATURE AND ARE NOT INTENDED TO INDICATE PRECISE LOCATION OR SIZE OF EXISTING FRAMING, WHICH SHALL BE FIELD DETERMINED BY THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS SO AS TO PROPERLY COORDINATE FOR THE NEW FRAMING REQUIREMENTS OUTLINED IN THESE CONTRACT DOCUMENTS, AND SHALL BRING ANY DISCREPANCY TO THE IMMEDIATE ATTENTION OF THE ARCHITECT, WHO SHALL ISSUE FINAL INSTRUCTIONS FOLLOWING REVIEW.
- WHERE NEW FRAMING CONFLICTS WITH EXISTING MECHANICAL, ELECTRICAL OR PLUMBING WORK, THE ARCHITECT SHALL BE NOTIFIED PRIOR TO THE START OF ANY WORK.
- EXISTING DIMENSIONS, WHERE SHOWN, ARE APPROXIMATE AND INTENDED FOR REFERENCE AND COORDINATION ONLY. THE CONTRACTOR SHALL FIELD-VERIFY ALL BUILDING DIMENSIONS AS REQUIRED FOR NEW CONSTRUCTION.

GML ARCHITECTS - LLC
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PROFESSIONAL ENGINEER
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6/2/14

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5458 Longley Lane, Suite B
Reno, Nevada 89511
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Fax (775) 826-3076

CARSON CITY FLEET MAINTENANCE FACILITY EXPANSION

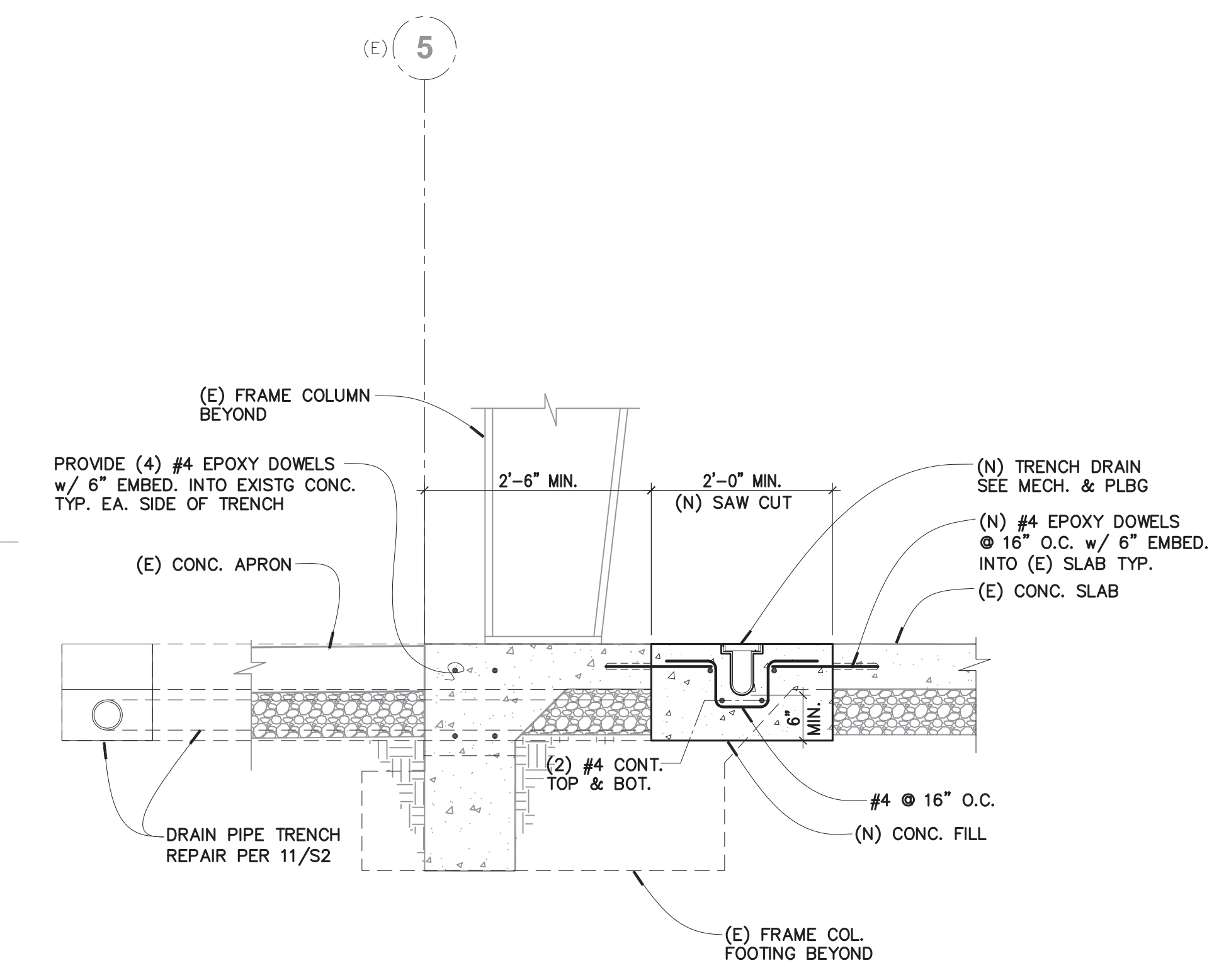
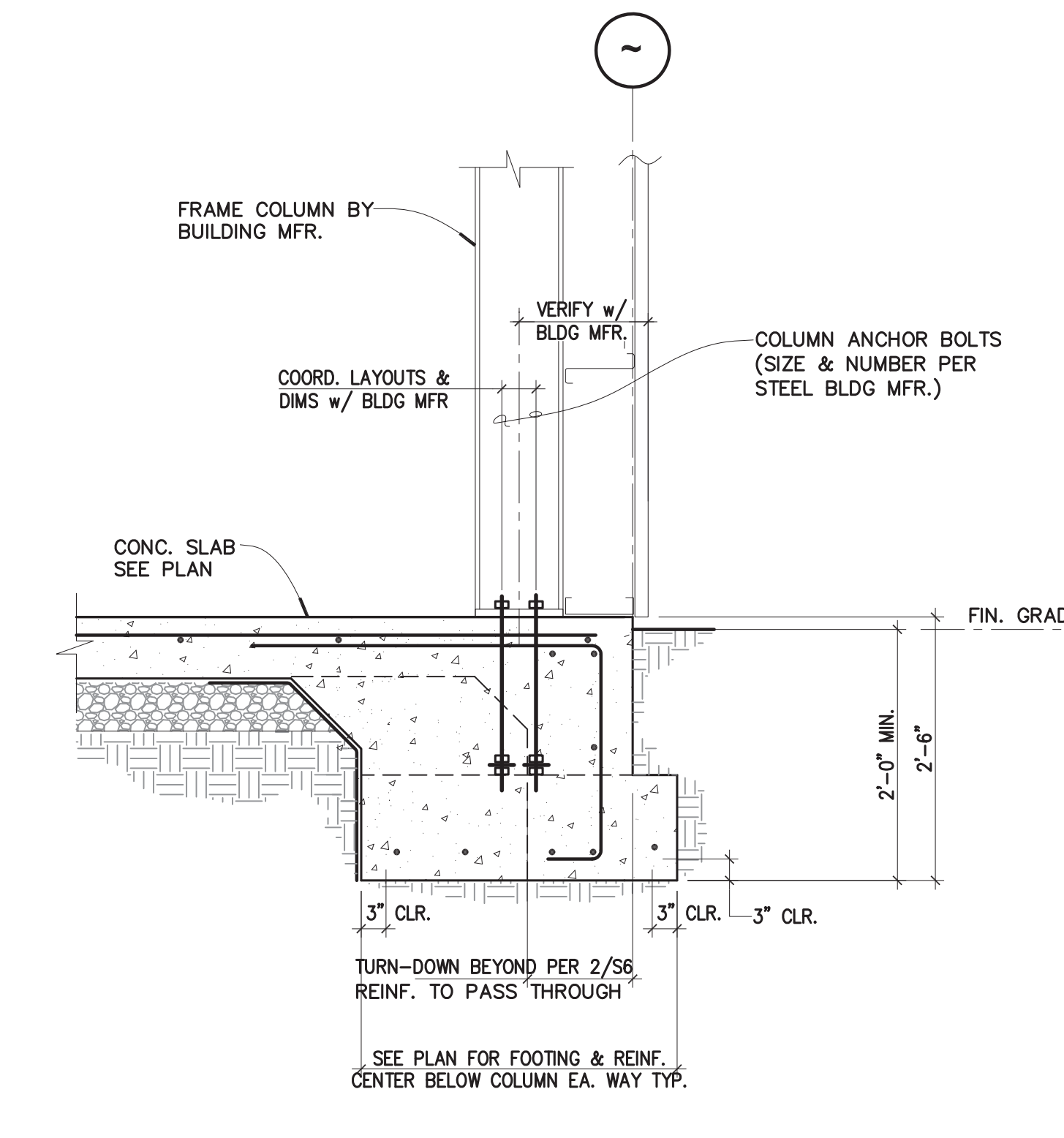
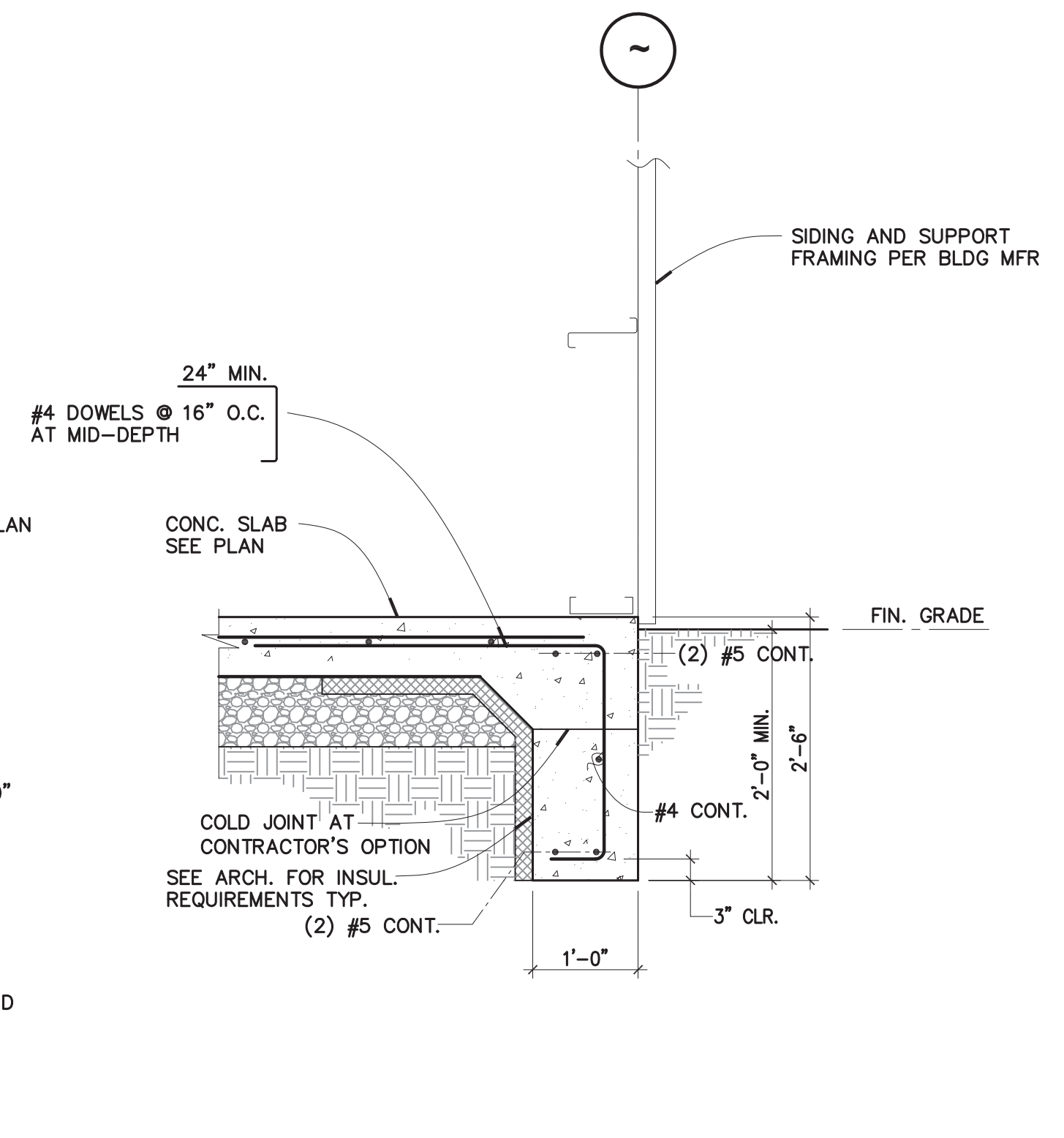
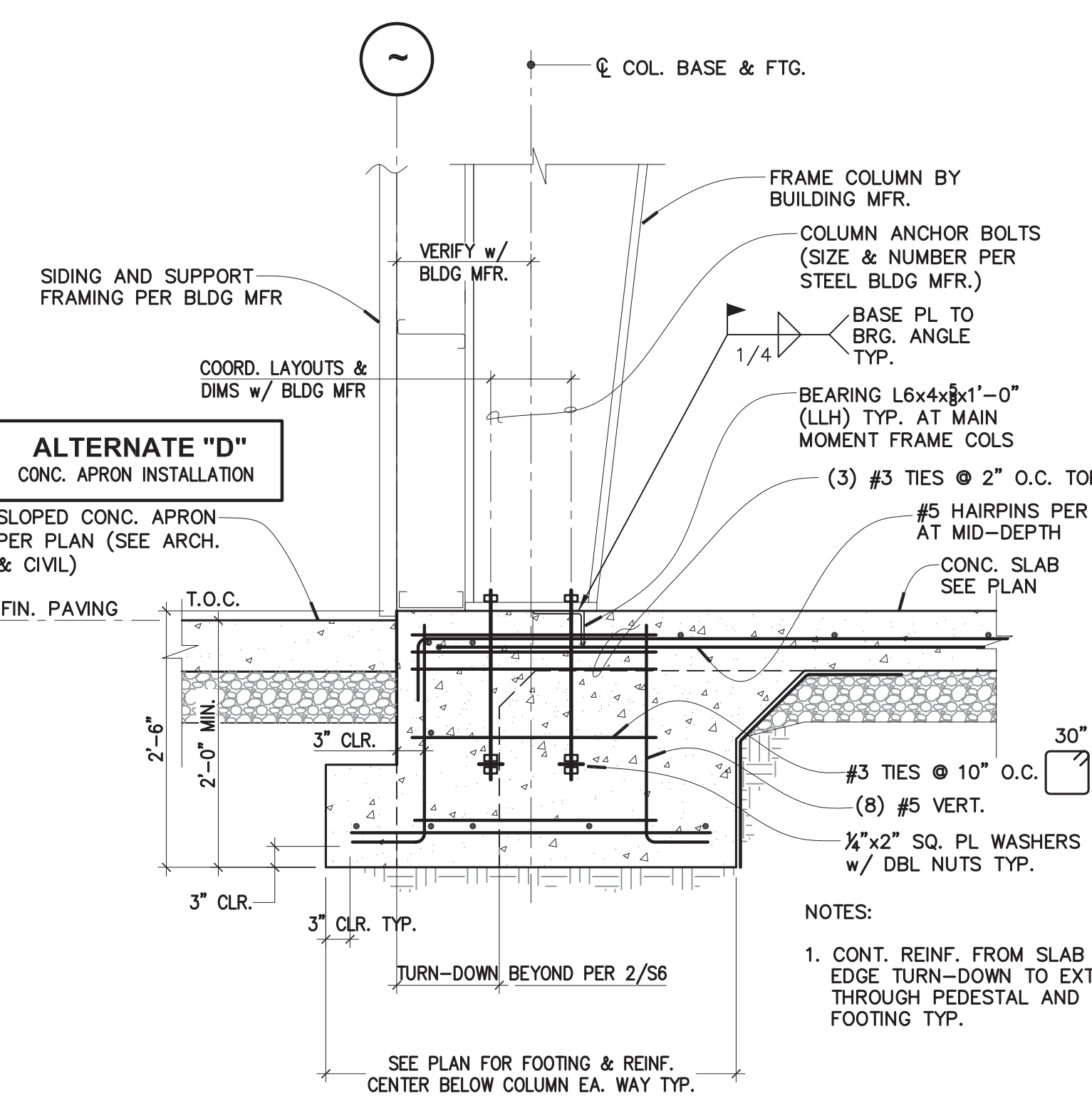
CARSON CITY, NEVADA

DATE 6-2-14
JOB NO 796
DRAWN A.M.
CHECKED R.H.

BUILDING DEPARTMENT COMMENTS
4/24/14

SECOND FLOOR AND ROOF FRAMING PLANS

S5



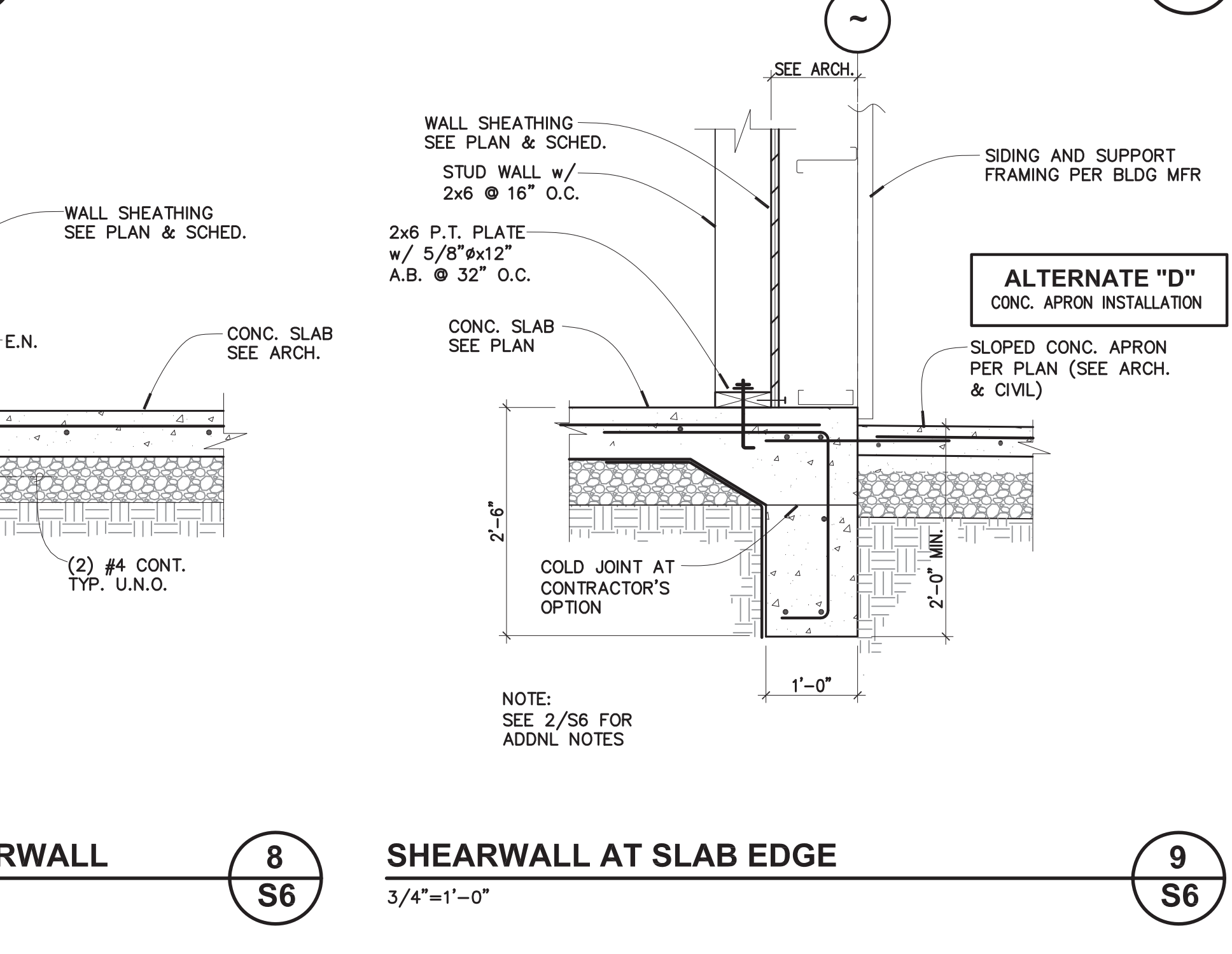
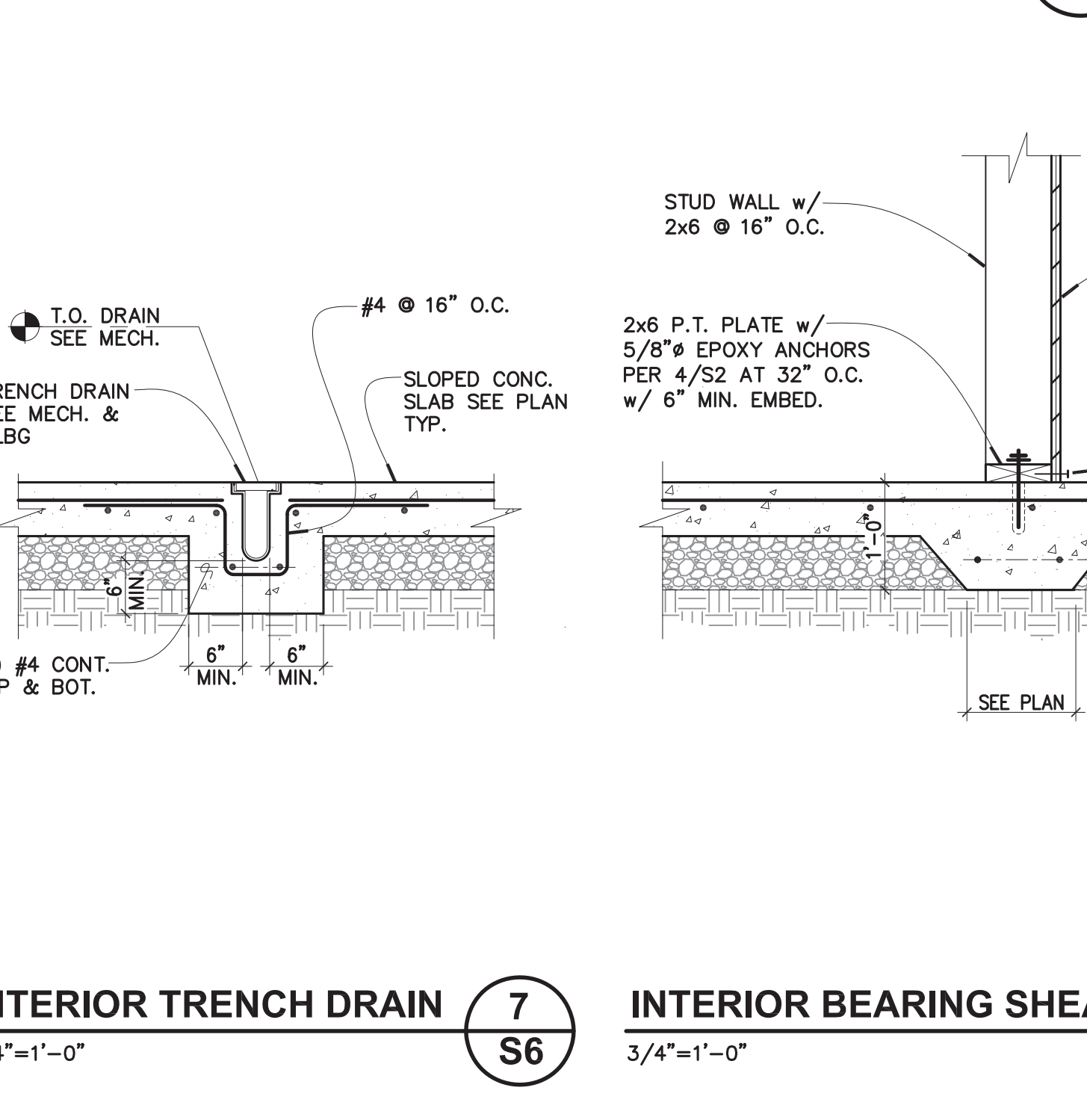
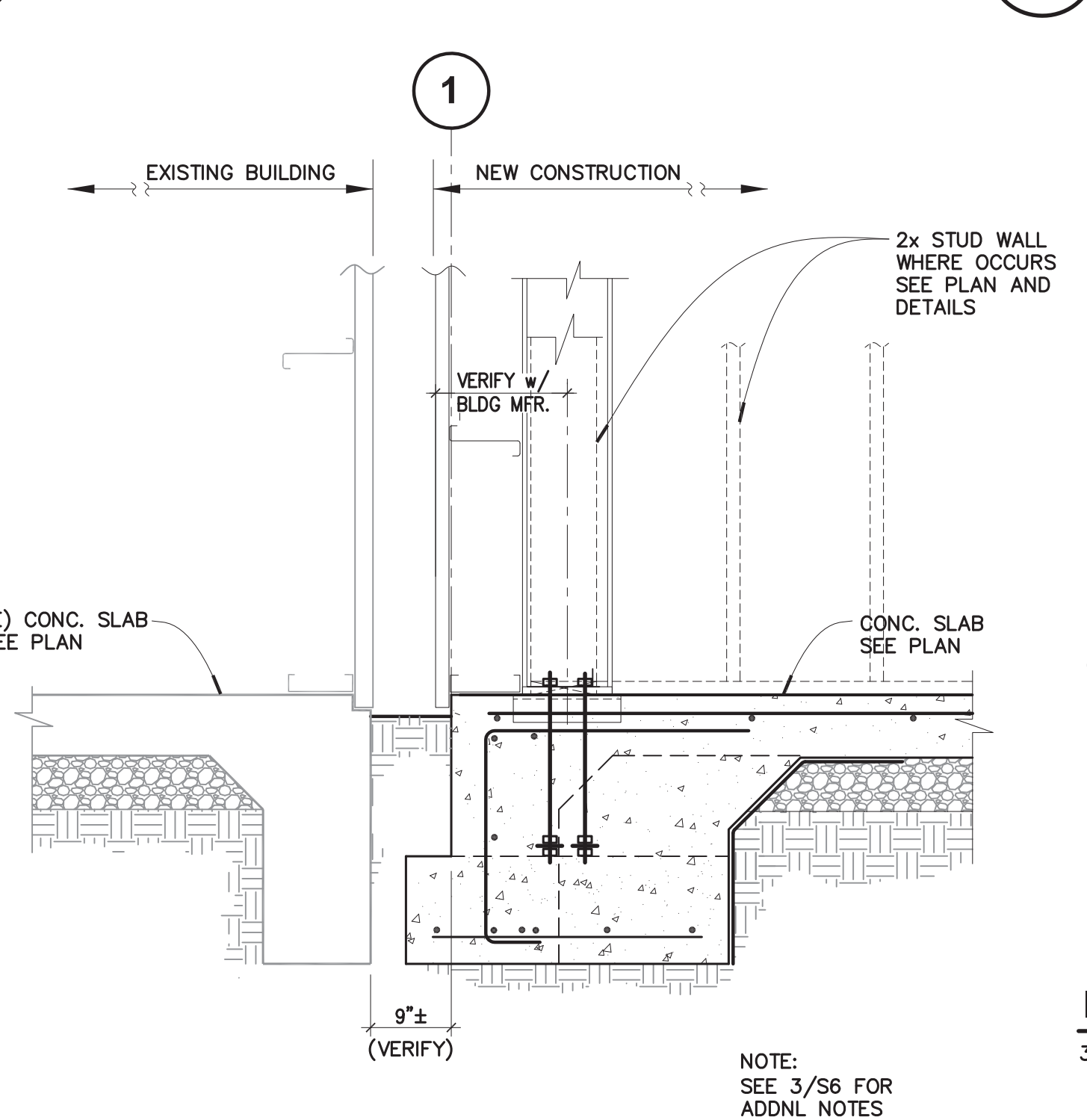
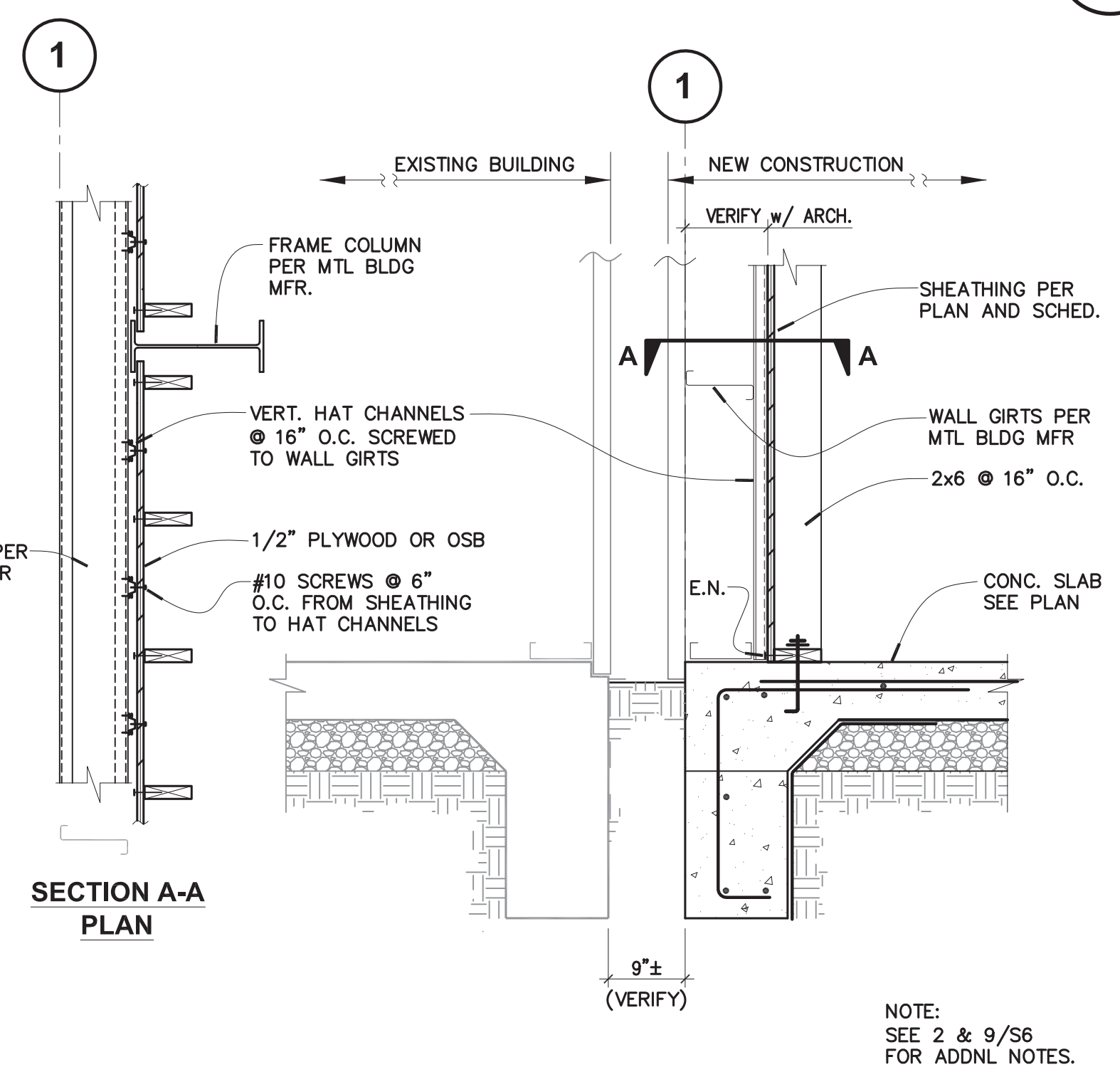
MOMENT FRAME COLUMN FOOTING
3/4"=1'-0"

TURN-DOWN SLAB EDGE
3/4"=1'-0"

ENDWALL COLUMN AND FOOTING
3/4"=1'-0"

TRENCH DRAIN AT EXIST. DOOR OPENING
3/4"=1'-0"

ALTERNATE "A" TRENCH DRAIN INSTALLATION
3/4"=1'-0"



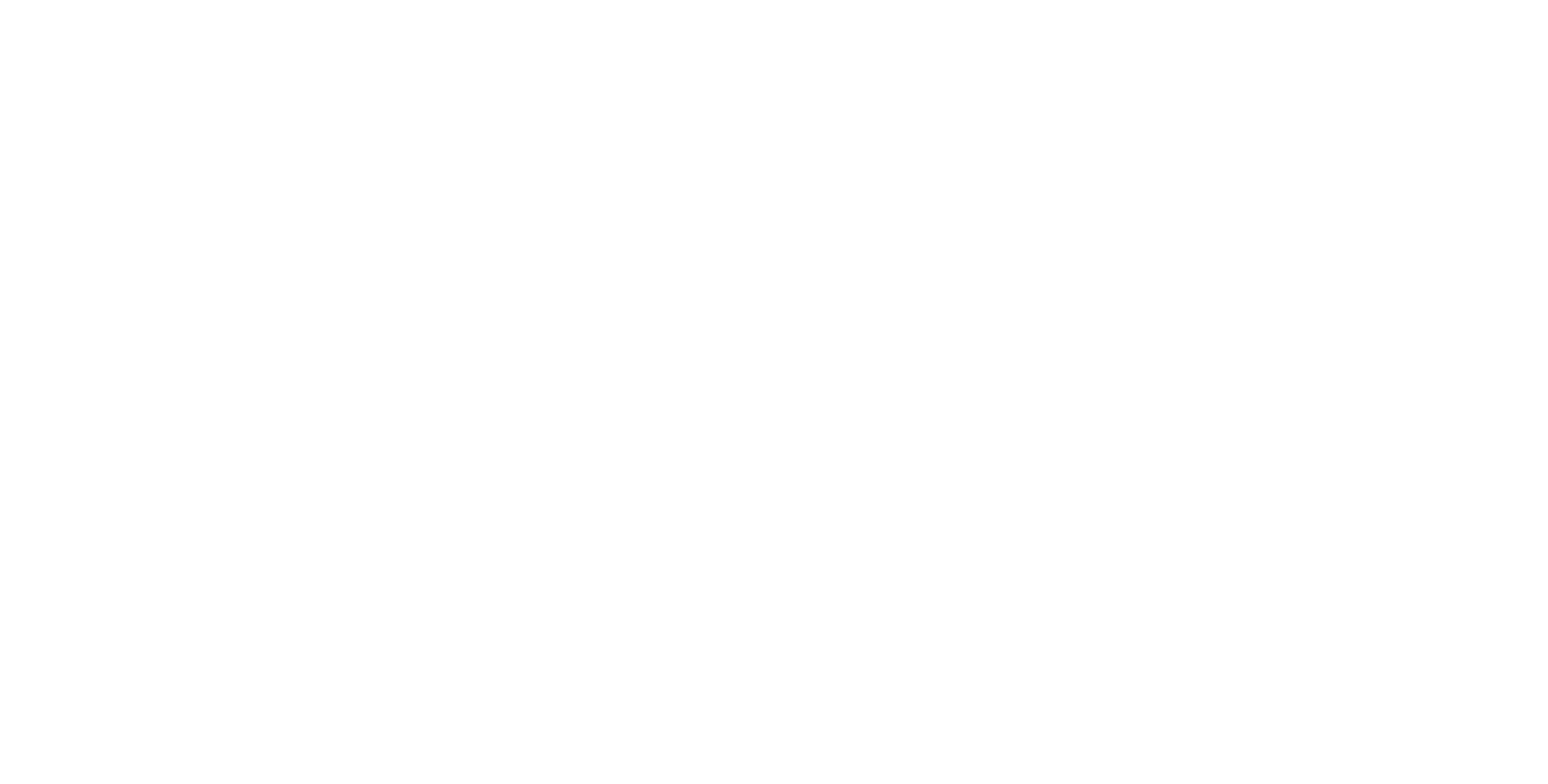
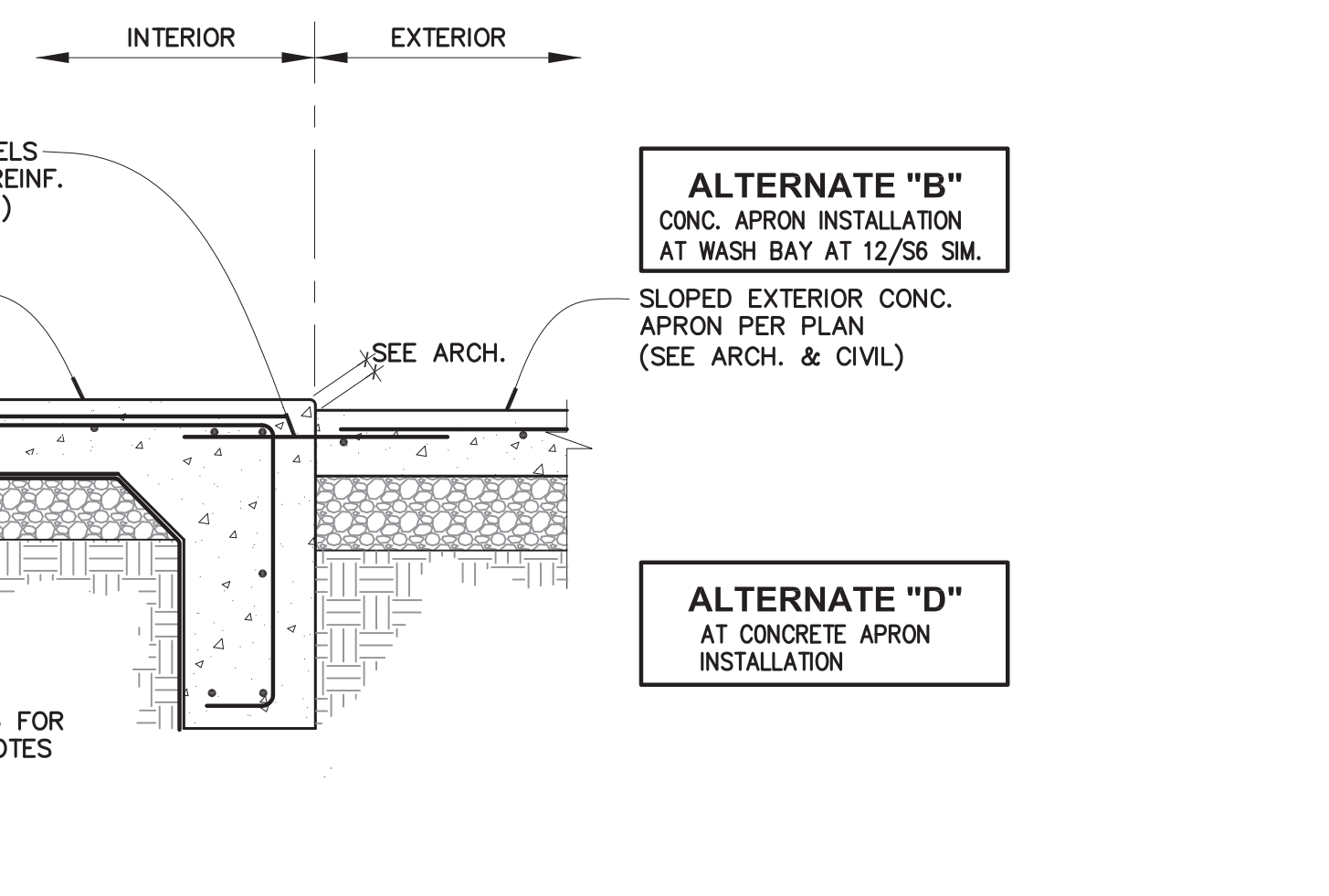
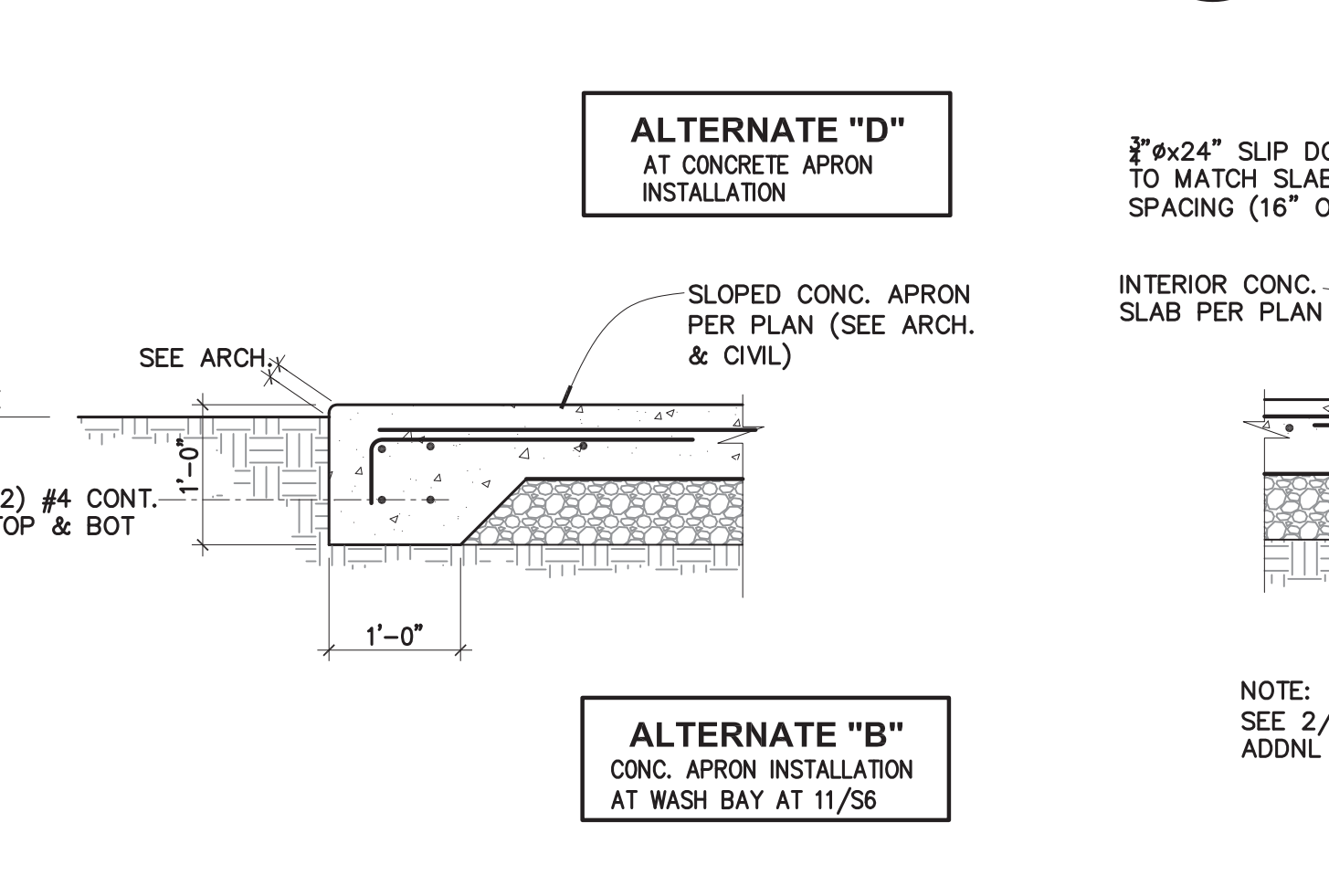
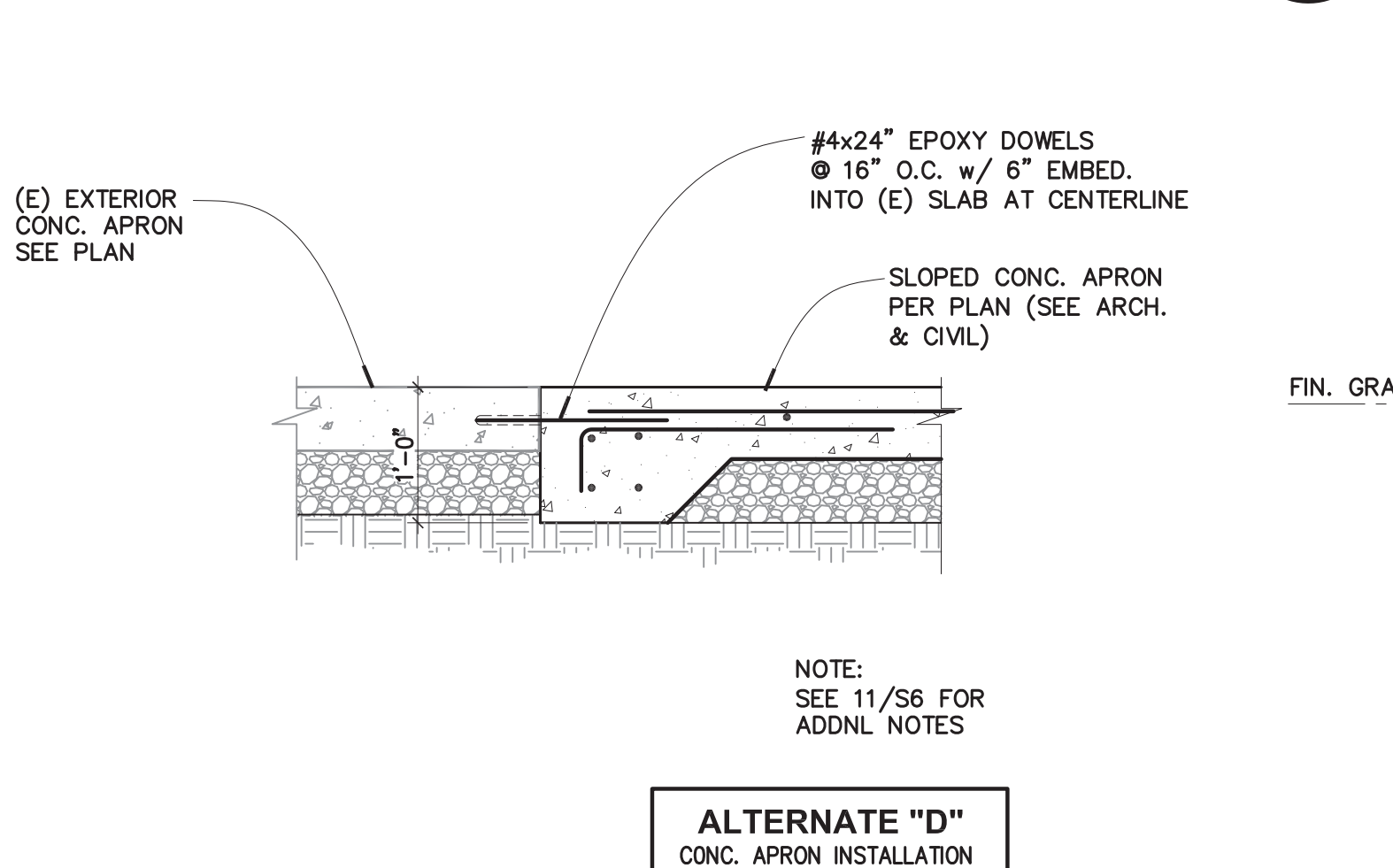
WALL ADJACENT EXIST. BUILDING
3/4"=1'-0"

COLUMN FOOTING ADJACENT EXIST. BUILDING
3/4"=1'-0"

INTERIOR TRENCH DRAIN
3/4"=1'-0"

INTERIOR BEARING SHEARWALL
3/4"=1'-0"

ALTERNATE "D" CONC. APRON INSTALLATION
3/4"=1'-0"



WALL ADJACENT EXIST. BUILDING
3/4"=1'-0"

COLUMN FOOTING ADJACENT EXIST. BUILDING
3/4"=1'-0"

INTERIOR TRENCH DRAIN
3/4"=1'-0"

INTERIOR BEARING SHEARWALL
3/4"=1'-0"

DOWELED JOINT AT APRON JOINING
3/4"=1'-0"

SLAB TURN-DOWN AT APRON
3/4"=1'-0"

DOWELED JOINT TO APRON AT DOOR OPNG
3/4"=1'-0"

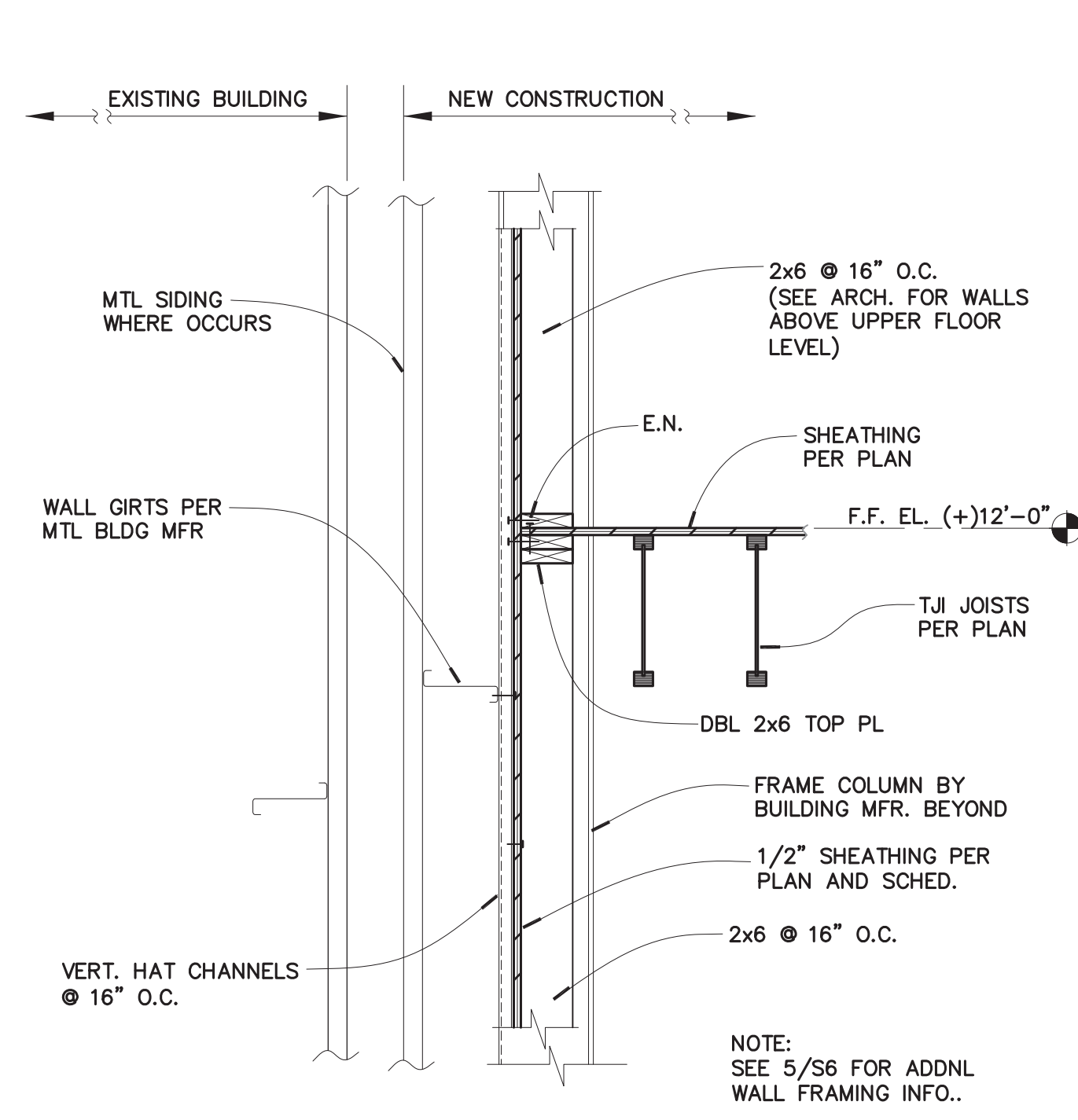
ALTERNATE "D" CONC. APRON INSTALLATION
3/4"=1'-0"

ALTERNATE "B" CONC. APRON INSTALLATION AT WASH BAY AT 11/S6
3/4"=1'-0"

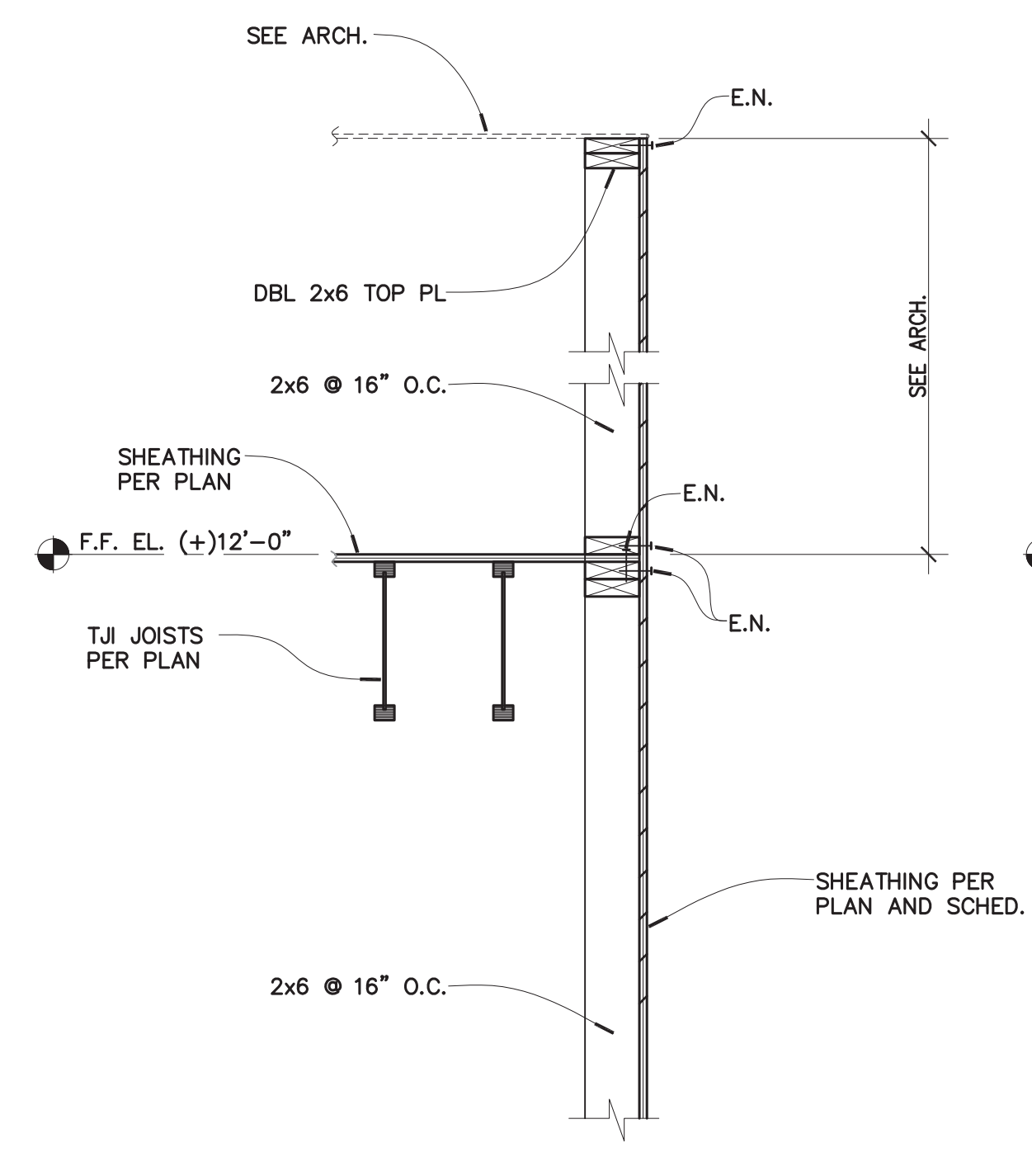
ALTERNATE "B" CONC. APRON INSTALLATION AT WASH BAY AT 11/S6
3/4"=1'-0"

ALTERNATE "B" CONC. APRON INSTALLATION AT WASH BAY AT 12/S6 SIM.
3/4"=1'-0"

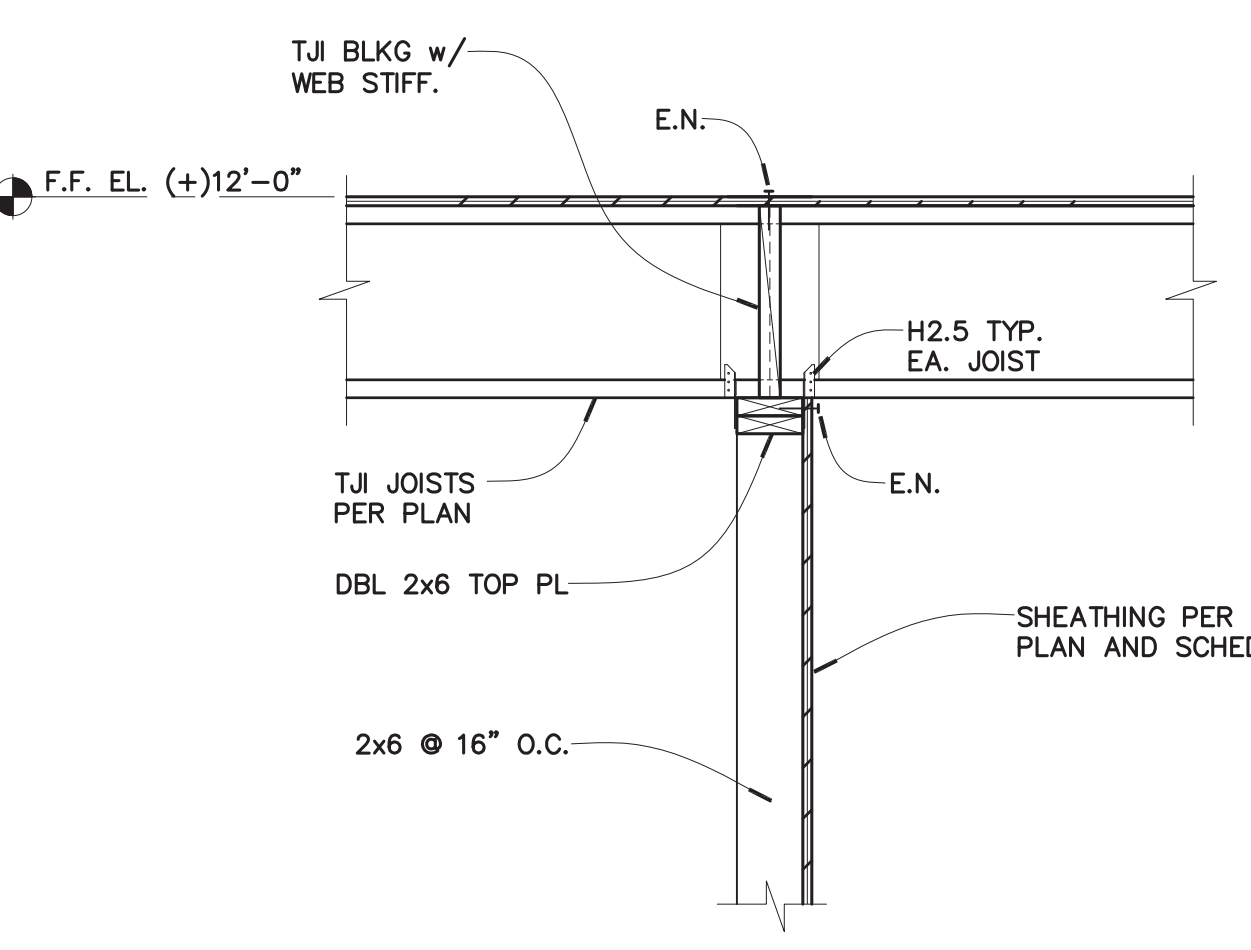
ALTERNATE "D" AT CONCRETE APRON INSTALLATION
3/4"=1'-0"



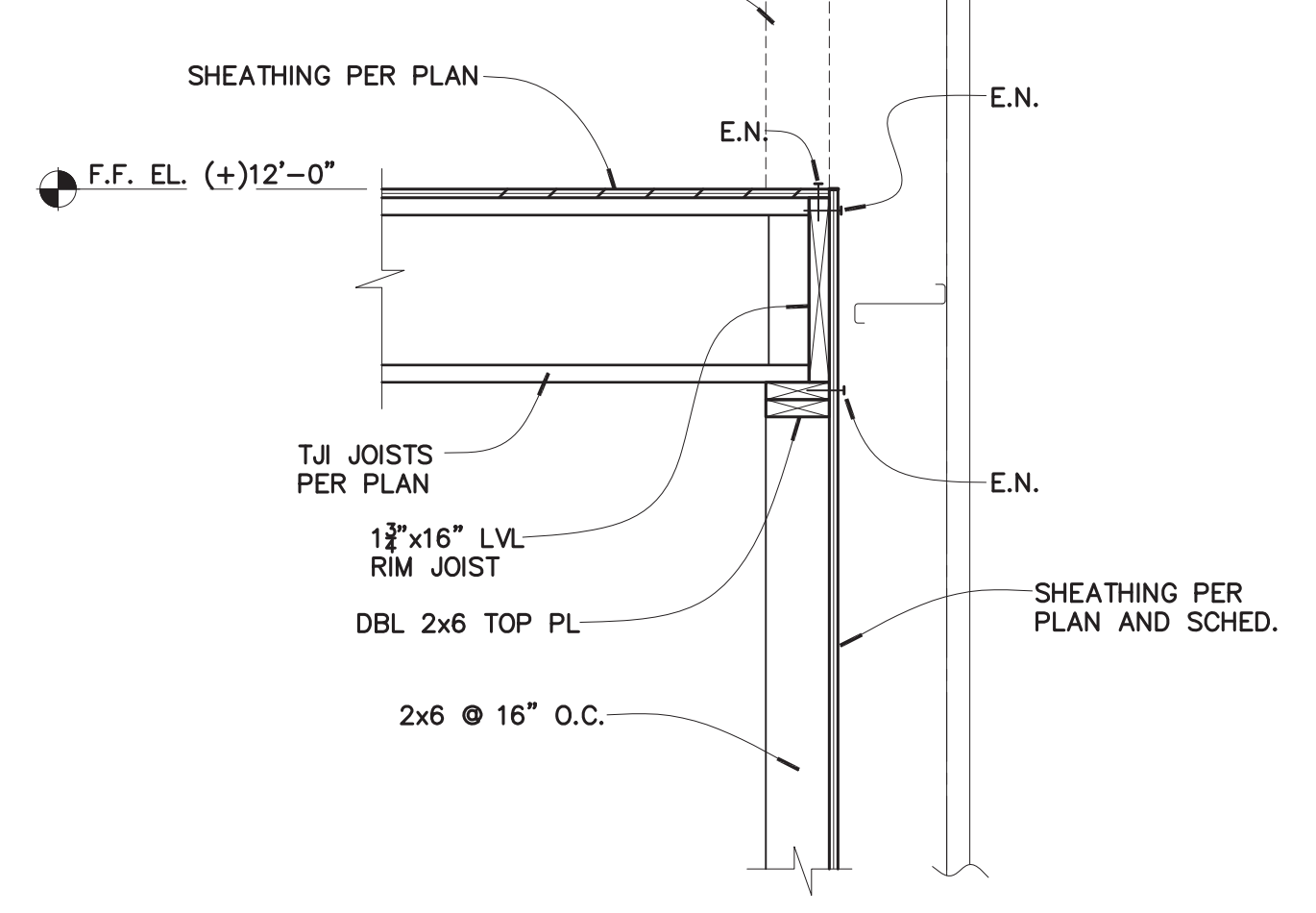
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WALL ADJACENT EXISTING BUILDING



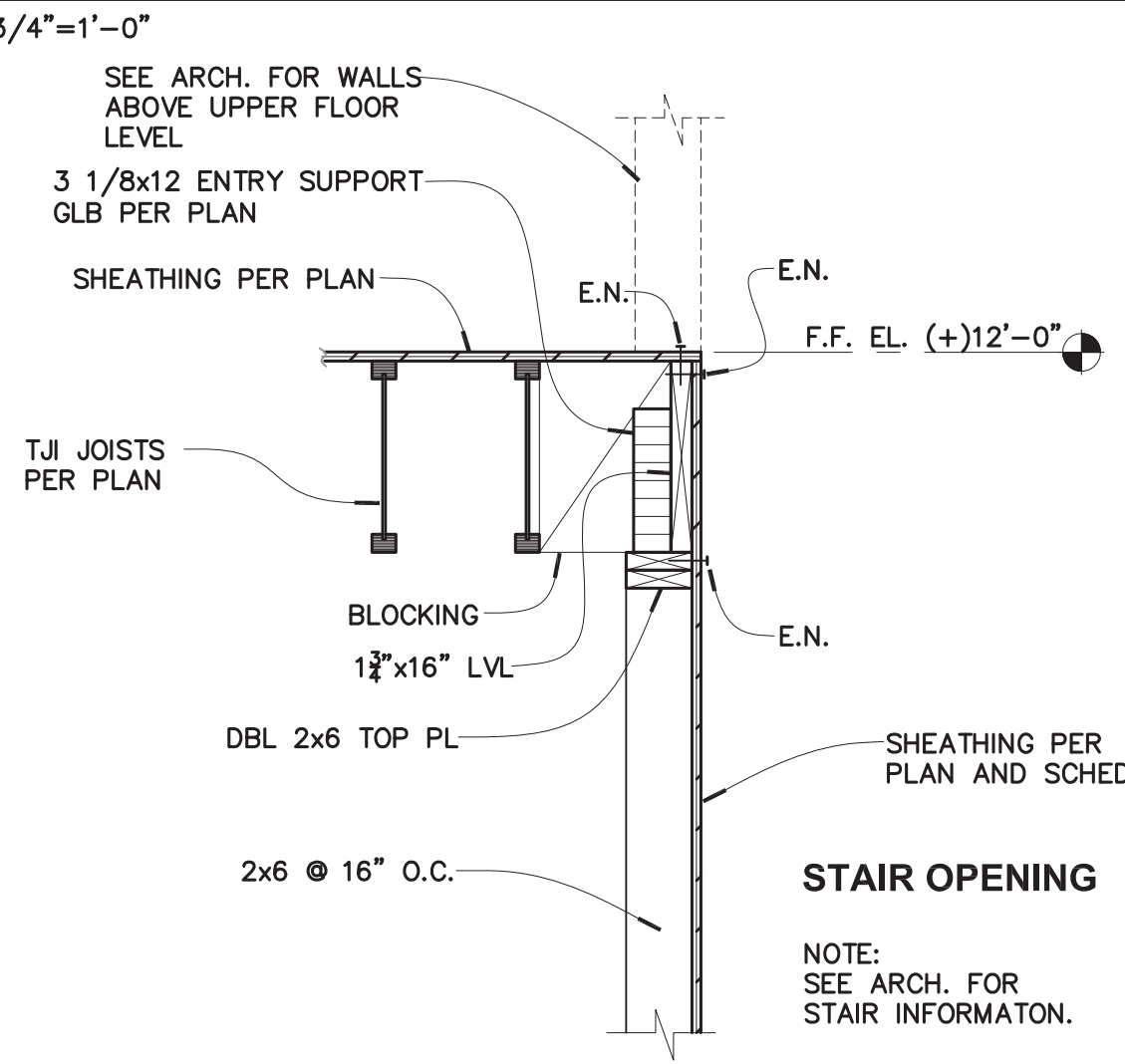
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WALL PARALLEL TO JOISTS



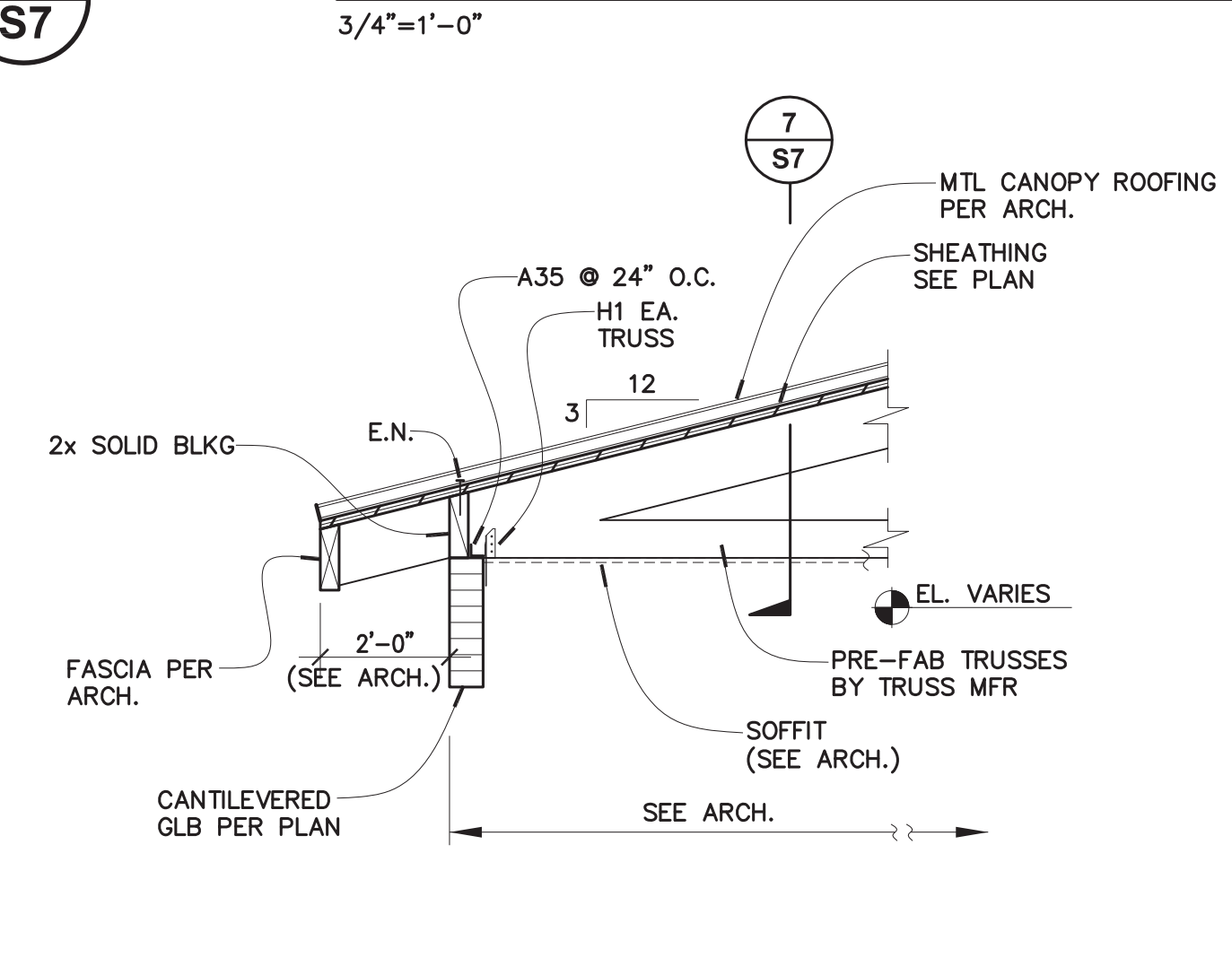
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INTERMEDIATE BEARING WALL



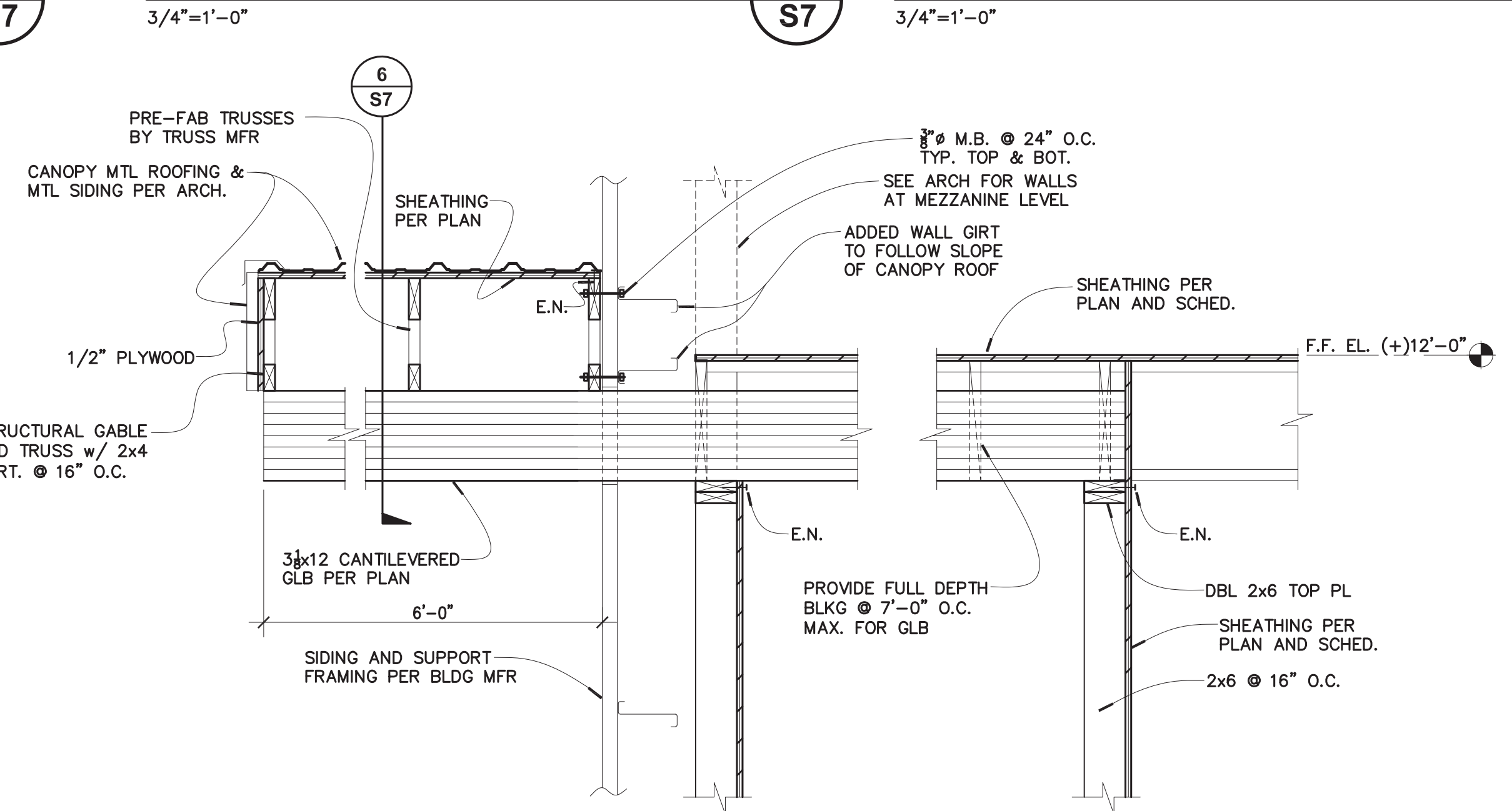
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WALL PERPENDICULAR TO JOISTS



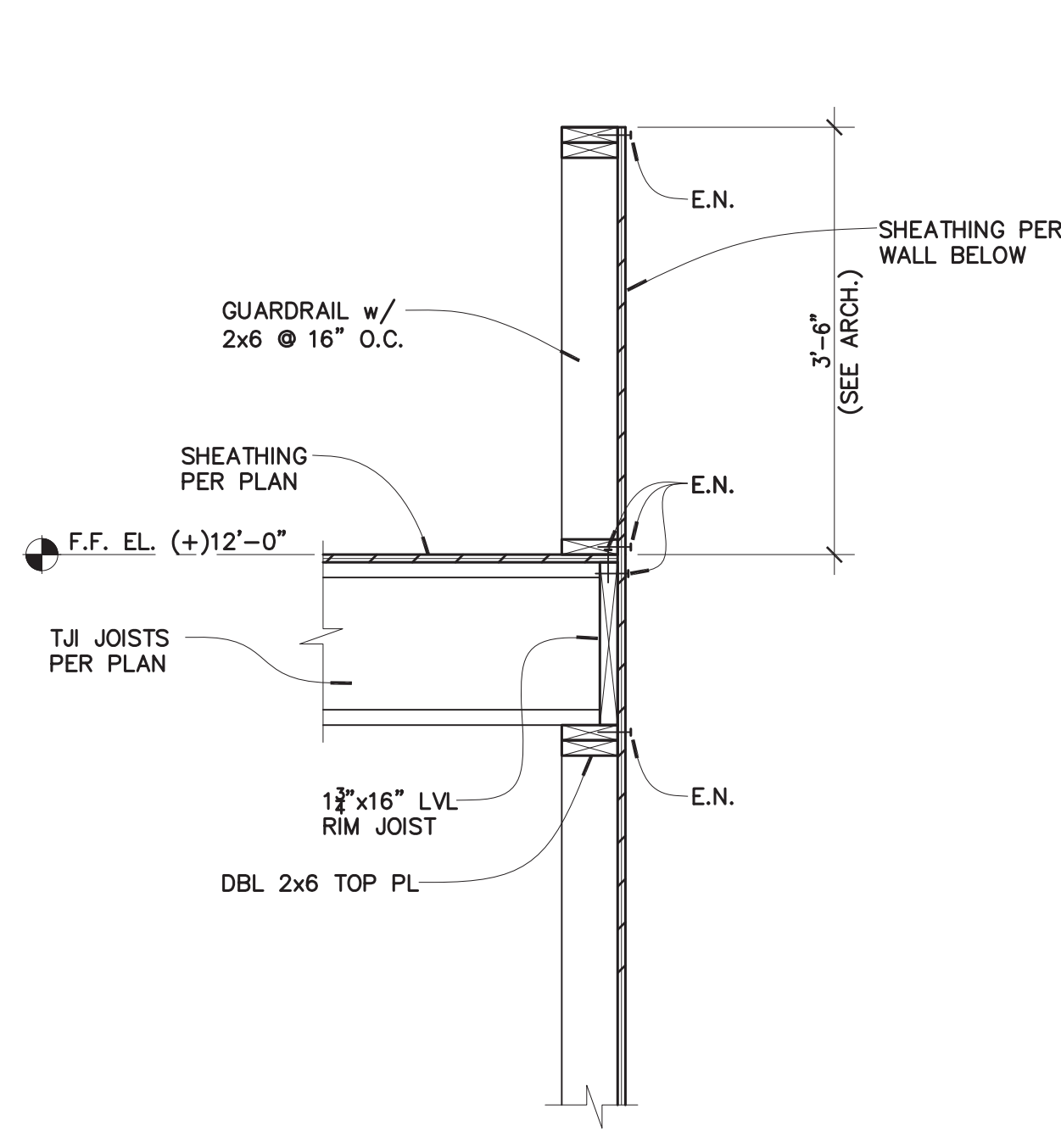
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WALL AT STAIR OPENING



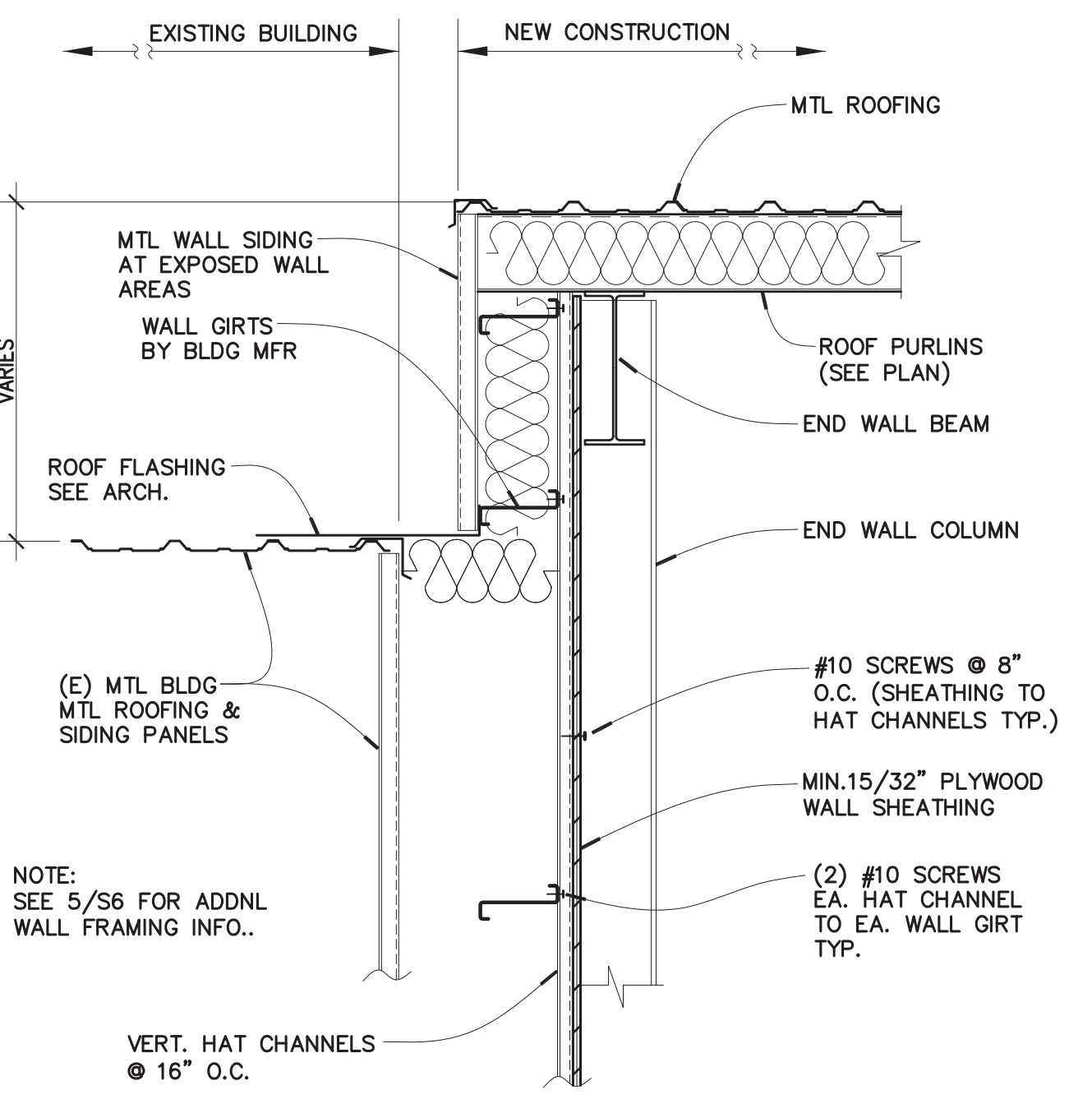
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ENTRY CANOPY SECTION



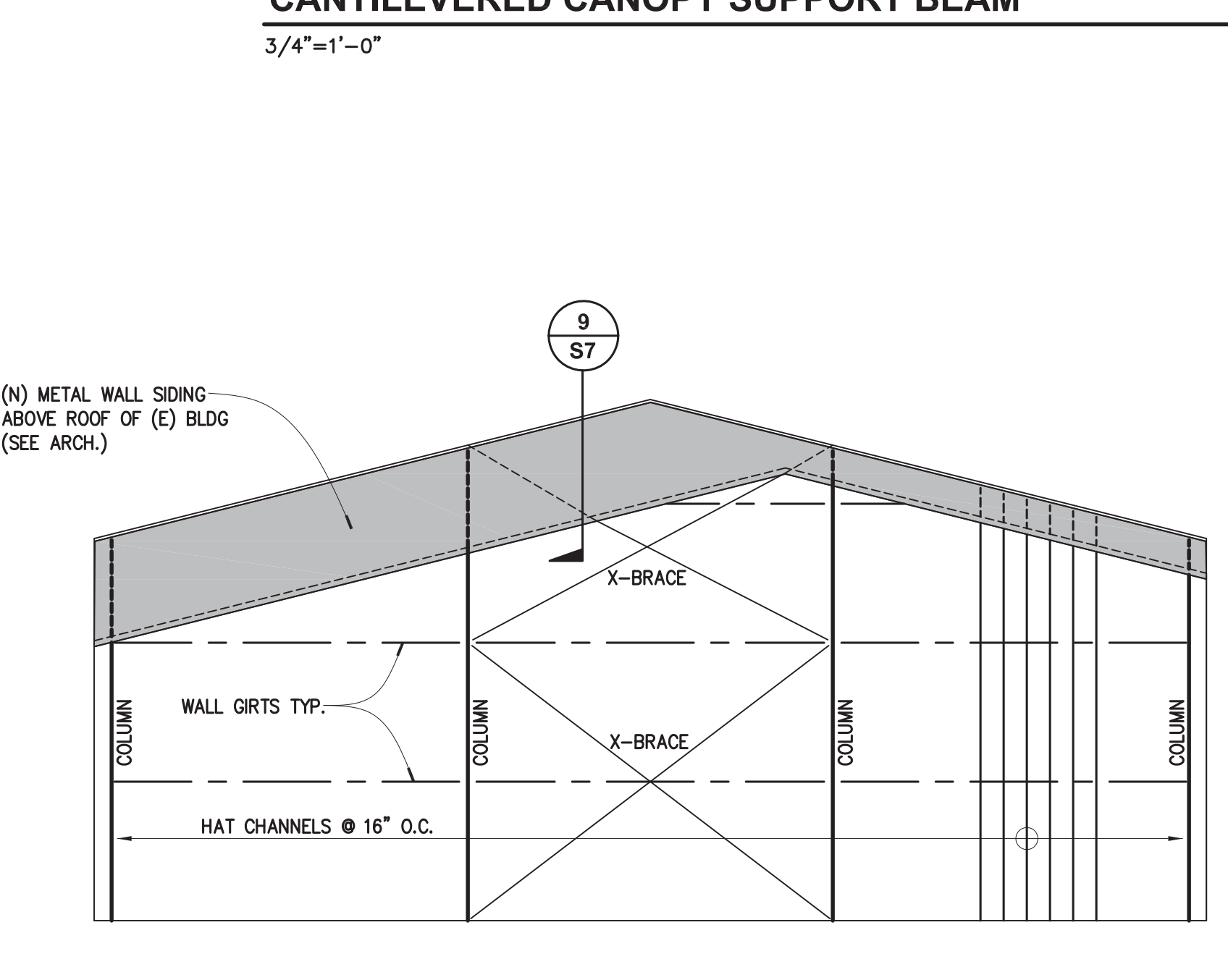
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CANTILEVERED CANOPY SUPPORT BEAM



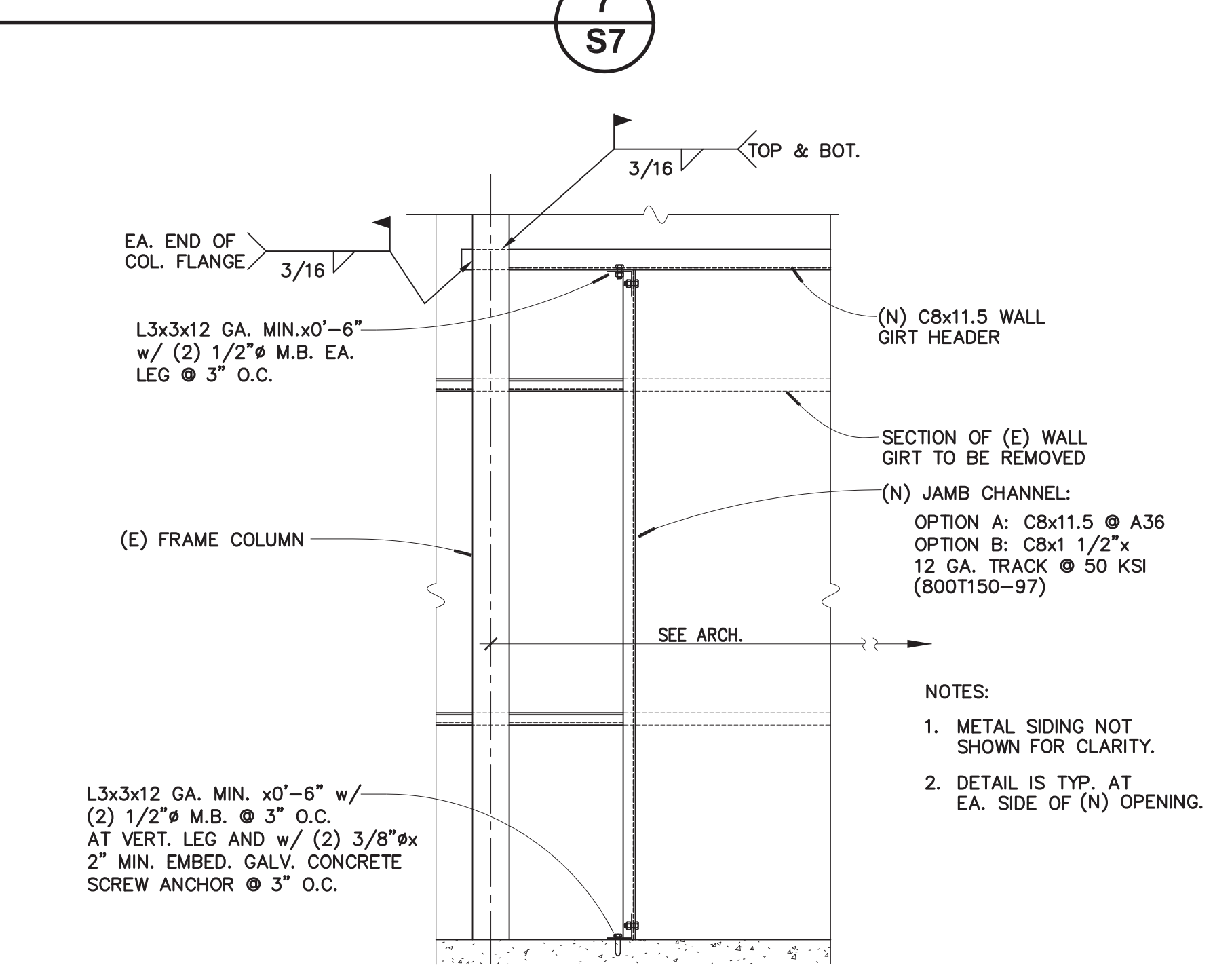
8
GUARDRAIL FRAMING



9
WALL ADJACENT EXISTING BUILDING



10
WEST ELEVATION



11
WALL CUT FOR NEW DOOR

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CARSON CITY FLEET MAINTENANCE FACILITY EXPANSION
CARSON CITY, NEVADA

DATE	6-2-14
JOB NO	796
DRAWN	A.M.
CHECKED	R.H.

BUILDING DEPARTMENT COMMENTS
4/24/14

SECTIONS AND DETAILS
S7

AIR DISTRIBUTION			
NUMBERS ARE TITUS AS BASIS FOR DESIGN			
CD	CEILING SUPPLY DIFFUSER	T-BAR	• MOD. MCD TYPE 3 FRAME
OC	CEILING SUPPLY DIFFUSER	GYPBOARD	• MOD. MCD TYPE 1 FRAME
R	CEILING RETURN	T-BAR	MOD. 50F 1/2" x 1/2" x 1/2" TYPE 3 FRAME
R	CEILING RETURN	GYPBOARD	MOD. 50F 1/2" x 1/2" x 1/2" TYPE 1 FRAME
G	CEILING EXHAUST	GYPBOARD	• MOD. 50F 1/2" x 1/2" x 1/2" TYPE 1 FRAME

• REQUIRES SQUARE TO ROUND ADAPTER

NOTES:


- CD DESIGNATION "12/24 CD-4" INDICATES 12" ROUND DUCT CONNECTION FOR LAY-IN CEILING IN 24/24 PANEL WITH 4-WAY PATTERN.
- CD DESIGNATION "12/24 CD-2C" INDICATES 12" ROUND DUCT CONNECTION FOR LAY-IN CEILING IN 24/24 PANEL WITH 2-WAY CORNER PATTERN.
- CD DESIGNATION "10/10 CD-4" INDICATES A 10/10 DUCT CONNECTION FOR GYPBOARD CEILING WITH 4-WAY PATTERN. SEE PLANS FOR BRANCH DUCT SIZE. AIR DISTRIBUTION TO BE ORDERED IN FACTORY WHITE FINISH.
-

EQUIPMENT SCHEDULE	
AC 1	AIR CONDITIONER CARRIER (NO EXCEPTION) MODEL 48HCLA05-080A0, 1950 CFM AT 0.5" ESP. 46.0/43.6 MBH TC/SC WITH 80/63.5 EDB/EWB AT 95 DEG. AMBIENT. 60/37.6 MBH HEATING INPUT/OUTPUT FOR 21 DEG. RISE. 27.0 MCA, 40A MOCP AND 83 LRA AT 208V/3PH/60HZ. 700 LBS OPER. WGT. ACCESSORIES: 1. 12" FLAT CURB FOR PAD MOUNT 2. ECONOMIZER WITH FAN POWERED RELIEF 3. PHASE MONITOR 4. NON FUSED DISCONNECT SWITCH 5. TIME GUARD II ANTI CYCLE TIMER
MUA 1	MAKE-UP AIR UNIT GREENHECK MODEL DGX-120-H32 NATURAL GAS DIRECT FIRE MAKE-UP AIR UNIT. 11,025 CFM AT 0.5" ESP. 877 MBH HEATING INPUT, 806.8 MBH HEATING OUTPUT WITH 80° F. RISE. EVAPORATIVE COOLER SECTION 96/63 EDB/EWB AND 66.1/63 LDB/LWB, 7.5 HORSEPOWER, 29.2 MCA AND 50 MOCP AT 208V/230V. OPERATING WEIGHT = 2,700 POUNDS. ACCESSORIES: 1. PREMIUM EFFICIENCY MOTOR 2. INLET DAMPER 3. UPBLAST DISCHARGE 4. DUCT LINER INSULATION 5. CONTROL CENTER 6. HEAT INLET AIR SENSOR 7. FLAT CURB FOR PAD MOUNT 8. 25:1 TURNDOWN 9. 2-10Vdc EXTERNAL CONTROL 10. NON-FUSED DISCONNECT SWITCH 11. MULTI-TAP MOTOR
MUA 2	MAKE-UP AIR UNIT GREENHECK MODEL DGX-120-H32 NATURAL GAS DIRECT FIRE MAKE-UP AIR UNIT. 9,025 CFM AT 0.5" ESP. 719 MBH HEATING INPUT, 662.3 MBH HEATING OUTPUT WITH 80° F. RISE. EVAPORATIVE COOLER SECTION 96/63 EDB/EWB AND 65.8/63 LDB/LWB, 7.5 HORSEPOWER, 29.5 MCA AND 50 MOCP AT 208V/230V. OPERATING WEIGHT = 2,700 POUNDS. ACCESSORIES: 1. PREMIUM EFFICIENCY MOTOR 2. INLET DAMPER 3. UPBLAST DISCHARGE 4. DUCT LINER INSULATION 5. CONTROL CENTER 6. HEAT INLET AIR SENSOR 7. FLAT CURB FOR PAD MOUNT 8. 25:1 TURNDOWN 9. 2-10Vdc EXTERNAL CONTROL 10. NON-FUSED DISCONNECT SWITCH 11. MULTI-TAP MOTOR
VEF 1	VEHICLE EXHAUST NATIONAL SYSTEM GARAGE VENTILATION MODEL #SHR-6XT-25 SPRING OPERATED HOSE REEL WITH 25 FEET OF 6" DIA. HIGH TEMPERATURE MODEL XT HOSE WITH VEHICLE EXHAUST CONNECTION/ADAPTORS. FURNISH WITH REEL MOUNTED BLOWER PACKAGE MODEL P-B11 600 CFM DIRECT DRIVE EXHAUSTER WITH REEL PLATFORM AND COVER. 1 HORSEPOWER AT 208V/230V
VEF 2	VEHICLE EXHAUST NATIONAL SYSTEM GARAGE VENTILATION MODEL #SHR-6XT-25 SPRING OPERATED HOSE REEL WITH 25 FEET OF 6" DIA. HIGH TEMPERATURE MODEL XT HOSE WITH VEHICLE EXHAUST CONNECTION/ADAPTORS. FURNISH WITH REEL MOUNTED BLOWER PACKAGE MODEL P-B11 500 CFM DIRECT DRIVE EXHAUSTER WITH REEL PLATFORM AND COVER. 1 HORSEPOWER AT 208V/230V
VEF 3	VEHICLE EXHAUST NATIONAL SYSTEM GARAGE VENTILATION MODEL #SHR-6XT-25 SPRING OPERATED HOSE REEL WITH 25 FEET OF 6" DIA. HIGH TEMPERATURE MODEL XT HOSE WITH VEHICLE EXHAUST CONNECTION/ADAPTORS. FURNISH WITH REEL MOUNTED BLOWER PACKAGE MODEL P-B11 500 CFM DIRECT DRIVE EXHAUSTER WITH REEL PLATFORM AND COVER. 1 HORSEPOWER AT 208V/230V
VEF 4	VEHICLE EXHAUST NATIONAL SYSTEM GARAGE VENTILATION MODEL #SHR-6XT-25 SPRING OPERATED HOSE REEL WITH 25 FEET OF 6" DIA. HIGH TEMPERATURE MODEL XT HOSE WITH VEHICLE EXHAUST CONNECTION/ADAPTORS. FURNISH WITH REEL MOUNTED BLOWER PACKAGE MODEL P-B11 500 CFM DIRECT DRIVE EXHAUSTER WITH REEL PLATFORM AND COVER. 1 HORSEPOWER AT 208V/230V
VEF 5	VEHICLE EXHAUST NATIONAL SYSTEM GARAGE VENTILATION MODEL #SHR-6XT-25 SPRING OPERATED HOSE REEL WITH 25 FEET OF 6" DIA. HIGH TEMPERATURE MODEL XT HOSE WITH VEHICLE EXHAUST CONNECTION/ADAPTORS. FURNISH WITH REEL MOUNTED BLOWER PACKAGE MODEL P-B11 500 CFM DIRECT DRIVE EXHAUSTER WITH REEL PLATFORM AND COVER. 1 HORSEPOWER AT 208V/230V
EF 1	EXHAUST FAN GREENHECK MODEL SQ-95-D, 500 CFM AT 0.33" S.P. 1/8 HORSEPOWER AT 120V/1PH/60HZ OPERATING WEIGHT = 65 POUNDS ACCESSORIES: 1. UL 705 2. NEMA 1 DISCONNECT MOUNTED AND WIRED 3. 1" HOUSING INSULATION 4. MOTOR COVER 5. SOLID STATE SPEED CONTROL 6. MOTOR WITH THERMAL OVERLOADS 7. BACKDRAFT DAMPER
WEF 1	WELDING EXHAUST FAN GREENHECK MODEL SFD-6-A, 500 CFM AT 0.5" S.P. AT 125' F. E.A.T. 1/4 HORSEPOWER AT 120V/1PH/60HZ OPERATING WEIGHT = 85 POUNDS ACCESSORIES: 1. UL 705 2. NEMA 1 DISCONNECT FIELD INSTALLED 3. FACTORY EQUIPMENT SUPPORTS (2) GESS-17-4-G8 4. BACKDRAFT DAMPER 5. WEATHERHOOD 6. OUTLET GUARD 7. SOLID STATE SPEED CONTROL 8. MOTOR WITH THERMAL OVERLOADS
WH 1	WEATHER HOOD GREENHECK "FABRA HOOD" MODEL FGR 63"X48" THROAT, 12 SQUARE FOOT FREE AREA TO RELIEVE 4940 CFM OPERATING WEIGHT = 185 POUNDS ACCESSORIES: 1. BIRD SCREEN 2. 12" TALL BASE 3. SLOPED ROOF CURB 4. 1/2" INSULATION 5. GREENHECK MODEL BR-10 ADJUSTABLE BACKDRAFT DAMPER SET AT 0.08" PRESSURE 6. FACTORY APPLIED BAKED ENAMEL "PUJBLO TAN"
WH 2	WEATHER HOOD GREENHECK "FABRA HOOD" MODEL FGR 18"X24" THROAT, 3 SQUARE FOOT FREE AREA TO RELIEVE 1150 CFM OPERATING WEIGHT = 100 POUNDS ACCESSORIES: 1. BIRD SCREEN 2. 12" TALL BASE 3. SLOPED ROOF CURB 4. 1/2" INSULATION 5. GREENHECK MODEL BR-10 ADJUSTABLE BACKDRAFT DAMPER SET AT 0.08" PRESSURE 6. FACTORY APPLIED BAKED ENAMEL "PUJBLO TAN"
WH 3	WEATHER HOOD GREENHECK "FABRA HOOD" MODEL FGR 42"X54" THROAT, 15.75 SQUARE FOOT FREE AREA TO RELIEVE 6100 CFM OPERATING WEIGHT = 225 POUNDS ACCESSORIES: 1. BIRD SCREEN 2. 12" TALL BASE 3. SLOPED ROOF CURB 4. 1/2" INSULATION 5. GREENHECK MODEL BR-10 ADJUSTABLE BACKDRAFT DAMPER SET AT 0.08" PRESSURE 6. FACTORY APPLIED BAKED ENAMEL "PUJBLO TAN"
WH 4	WEATHER HOOD GREENHECK "FABRA HOOD" MODEL FGR 24"X42" THROAT, 7 SQUARE FOOT FREE AREA TO RELIEVE 2950 CFM OPERATING WEIGHT = 150 POUNDS ACCESSORIES: 1. BIRD SCREEN 2. 12" TALL BASE 3. SLOPED ROOF CURB 4. 1/2" INSULATION 5. GREENHECK MODEL BR-10 ADJUSTABLE BACKDRAFT DAMPER SET AT 0.08" PRESSURE 6. FACTORY APPLIED BAKED ENAMEL "PUJBLO TAN"
EWH 1	ELECTRIC WALL HEATER QMARK MODEL SED1024C FAN FORCED ELECTRIC WALL HEATER, 1000 WATTS (230V), 7.2 AMPS AT 208V/230V. FURNISH IN WHITE. ACCESSORIES: 1. INTEGRAL THERMOSTAT 2. FURNISH WITH SEDFCW WHITE FRONT PANEL
WEH 1	WELDING EXHAUST HOOD FIELD FABRICATED STEEL EXHAUST HOOD, SEE 7 M6.1

MECHANICAL LEGEND & ABBREVIATIONS		
ALL ITEMS SHOWN IN THIS LEGEND ARE NOT NECESSARILY USED ON THE DRAWINGS.		
ABBREV.	SYMBOL	DESCRIPTION
SUP	→ ⊠ ←	SUPPLY AIR
RET	⊠ →	RETURN AIR
EXH	⊠ ←	EXHAUST AIR
TH	⊙	THERMOMETER (DIAL)
P & TR	⊠	PRESSURE & TEMPERATURE RELIEF VALVE
PG	⊙	PRESSURE GAUGE WITH GAUGE COCK
T	⊙	THERMOSTAT
HS	— HS —	HEATING WATER SUPPLY
HR	— HR —	HEATING WATER RETURN
CFM	CFM	CUBIC FEET PER MINUTE
RD	⊙	ROUND
REF	⊙	REFERENCE
POC	⊙	POINT OF CONNECTION
FBO	⊙	FURNISHED BY OTHERS
S OR W	-----	SOIL, WASTE OR SEWER BELOW GRADE
S OR W	=====	SOIL, WASTE OR SEWER ABOVE GRADE
V	-----	VENT
CW	-----	COLD WATER
HW	-----	HOT WATER
TW	-----	TEMPERED WATER
GV	-----	GATE VALVE
CV	-----	CHECK VALVE
BV/SOV	-----	BALL VALVE/SHUT OFF VALVE
GC	-----	GAS COCK
GPR	-----	GAS PRESSURE REGULATOR
PRV	-----	PRESSURE REDUCING VALVE
AFF	-----	ABOVE FINISH FLOOR
HB	-----	HOSE BIBB
UN	-----	UNION
D	-----	DRAIN LINE
TYP.	-----	TYPICAL
1.E.	-----	INVERT ELEVATION
(E)	-----	EXISTING
(N)	-----	NEW
FB	-----	FROM BELOW
TA	-----	TO ABOVE

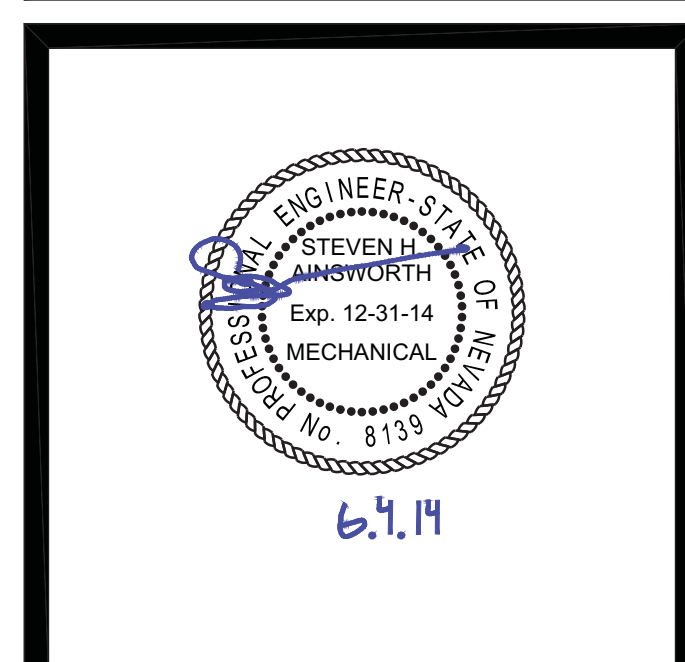
DRAWING INDEX	
M0.1	MECHANICAL LEGEND, SCHEDULES, NOTES, AND INDEX
M1.1	MECHANICAL DEMOLITION FLOOR PLANS
M2.1	MECHANICAL FLOOR PLANS
M3.1	MECHANICAL ROOF PLAN
M4.1	MECHANICAL SECTIONS
M6.1	MECHANICAL DETAILS
TC1.1	TEMPERATURE CONTROLS

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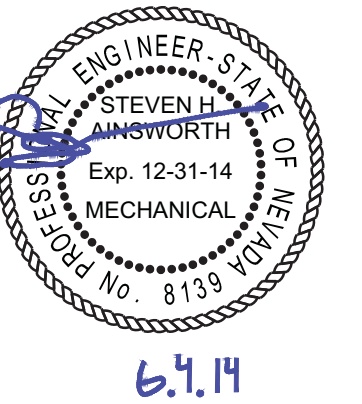
MECHANICAL
LEGEND,
SCHEDULES, NOTES,
AND INDEX

M0.1



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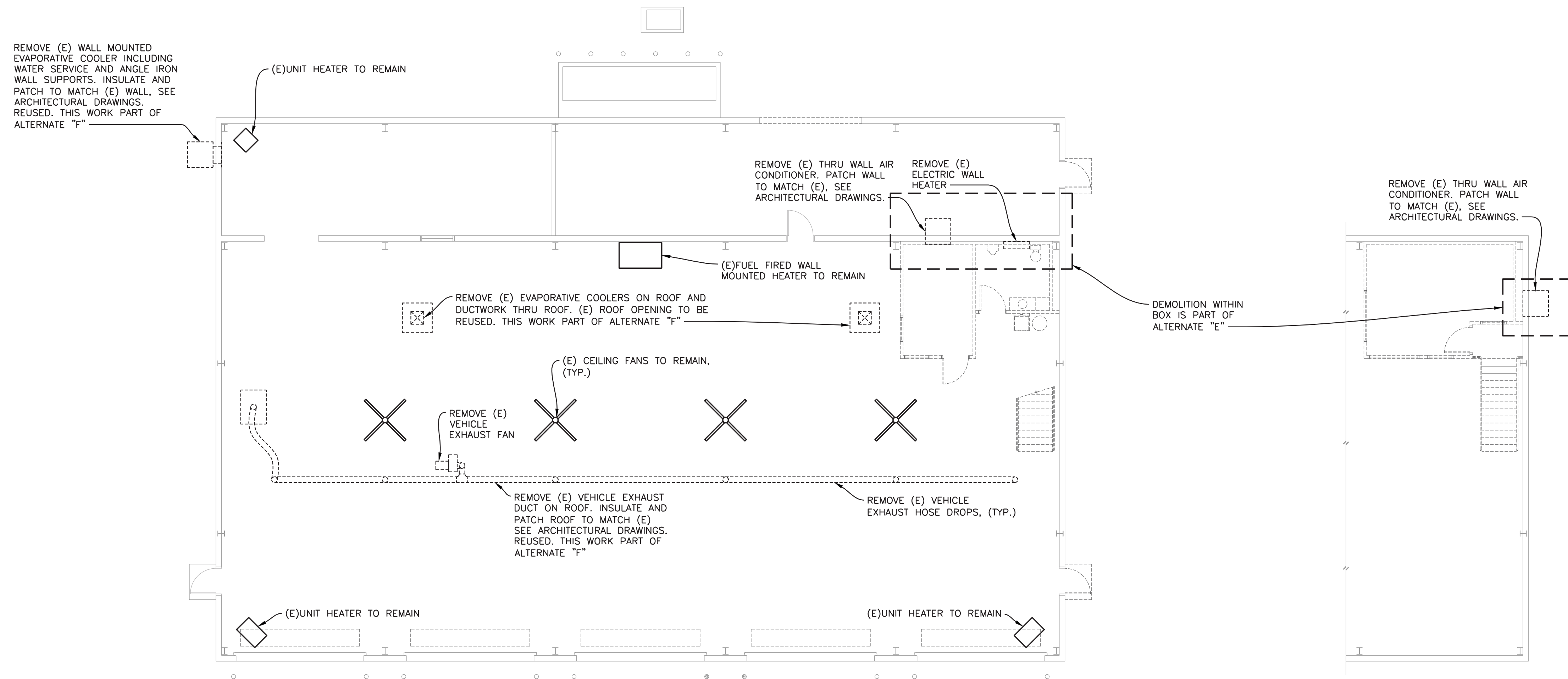
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MECHANICAL
 DEMOLITION FLOOR
 PLANS

M1.1



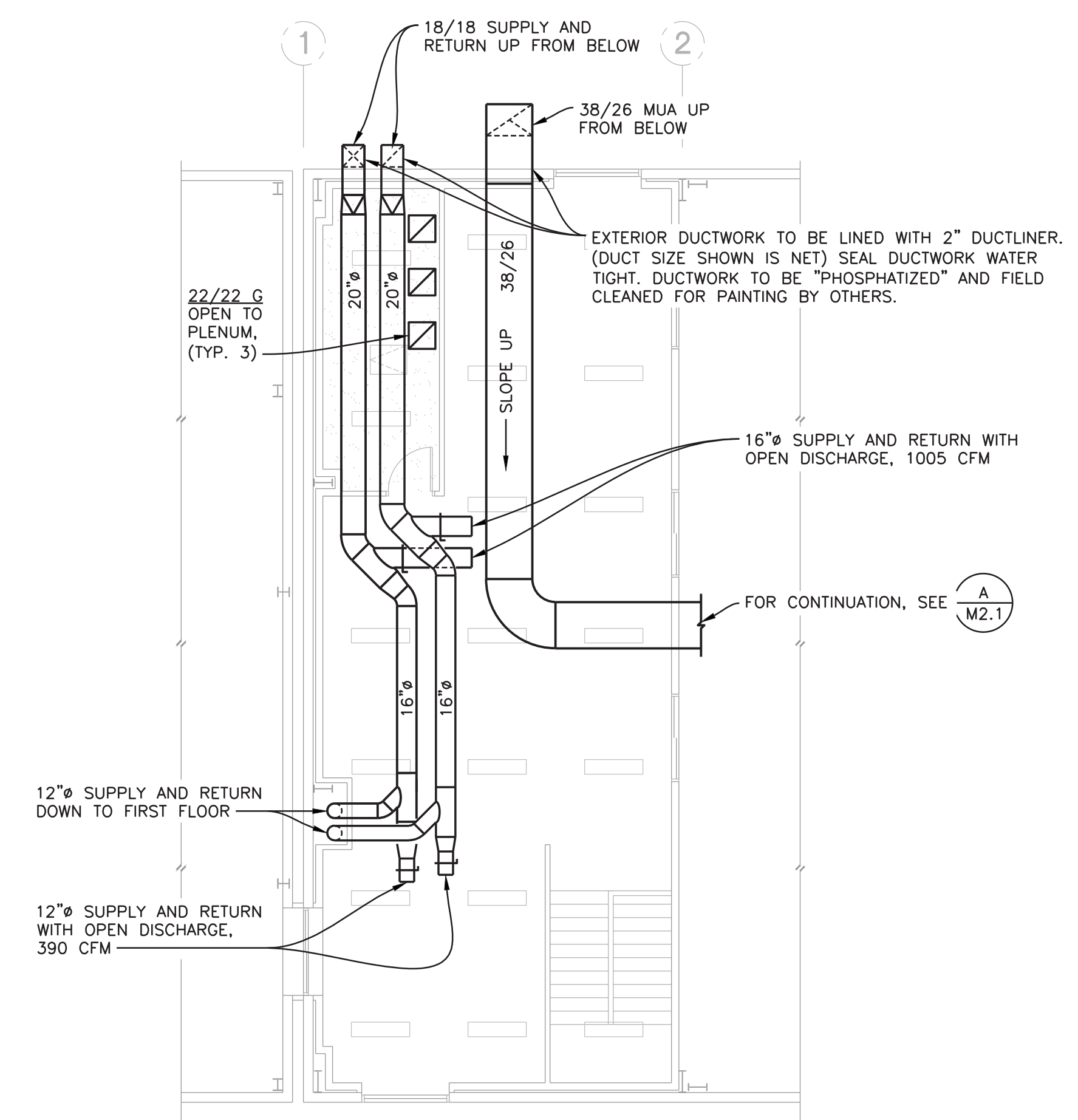
MECHANICAL DEMOLITION FLOOR PLANS
 SCALE: 1/8" = 1'-0"

A
 M1.1

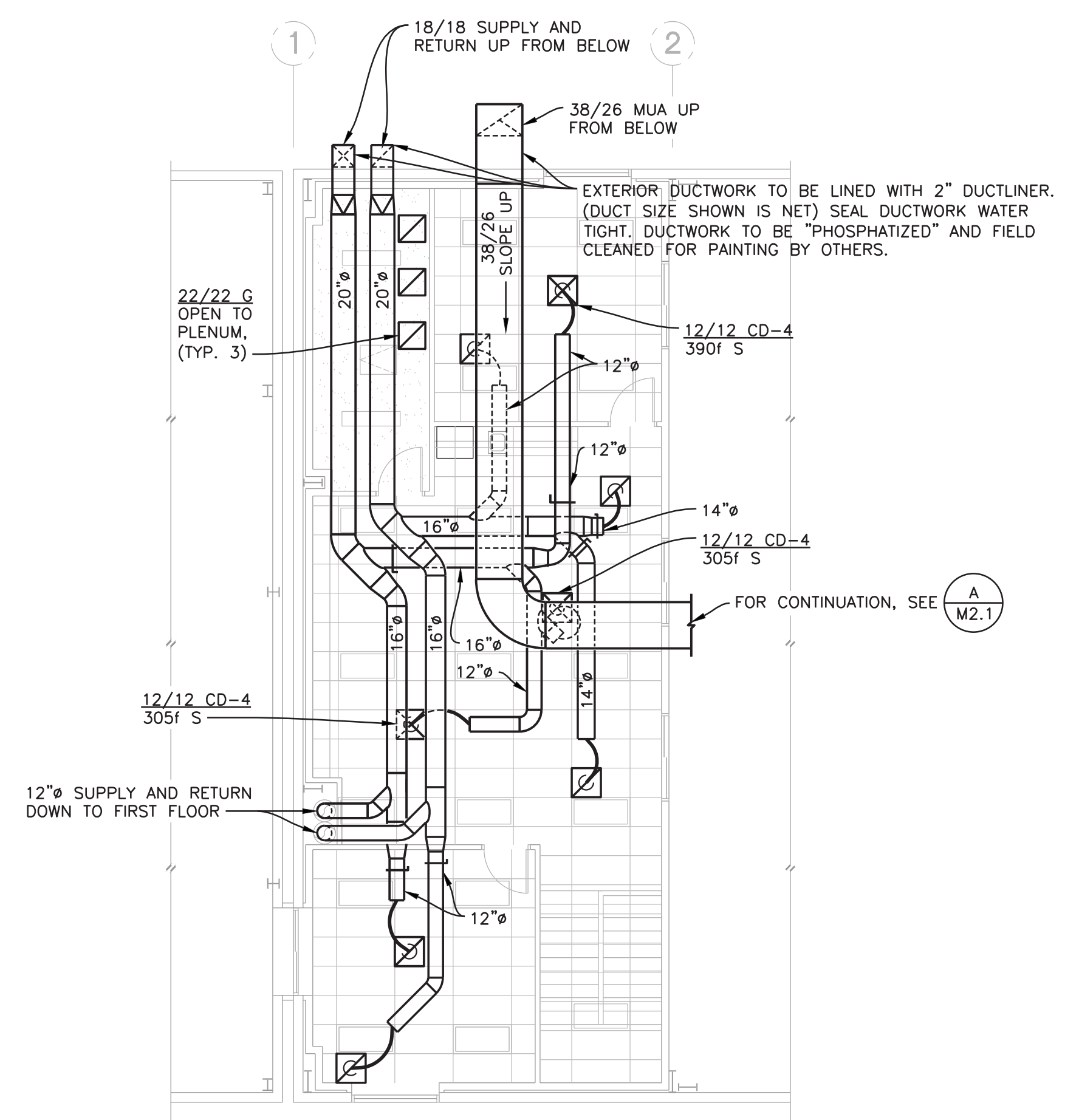


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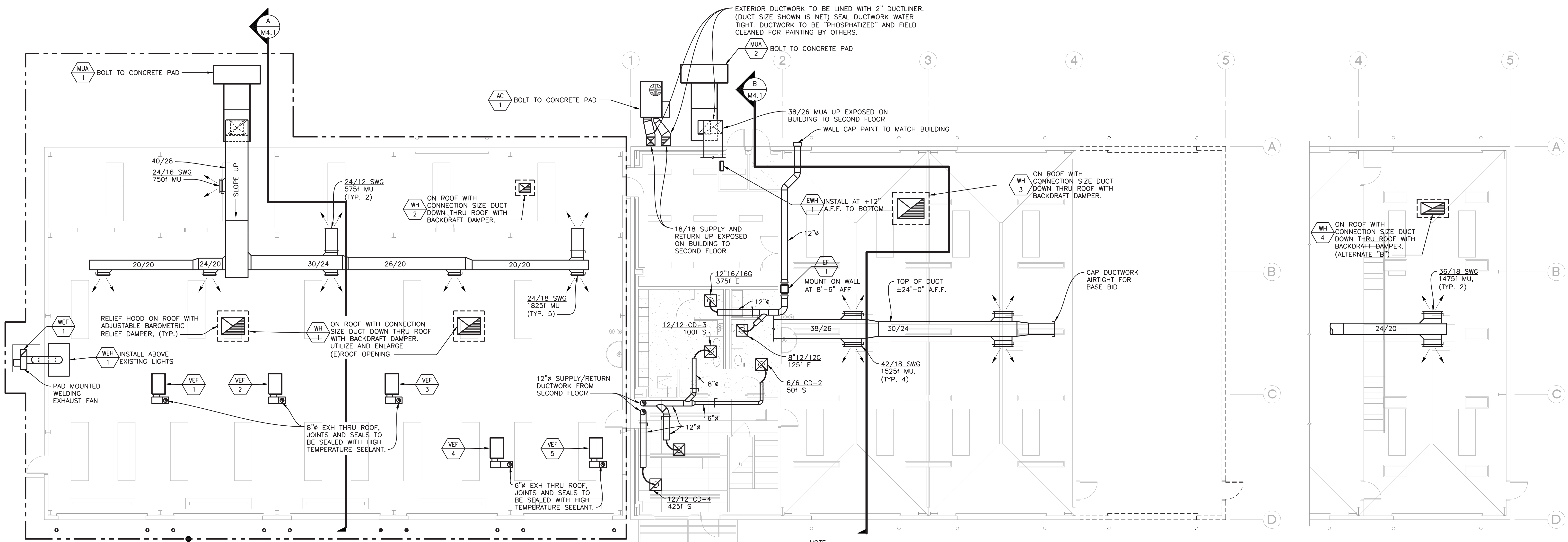
JOB: 2013-056



SECOND FLOOR PLAN - BASE BID
 SCALE: 1/8" = 1'-0"
 B M2.1

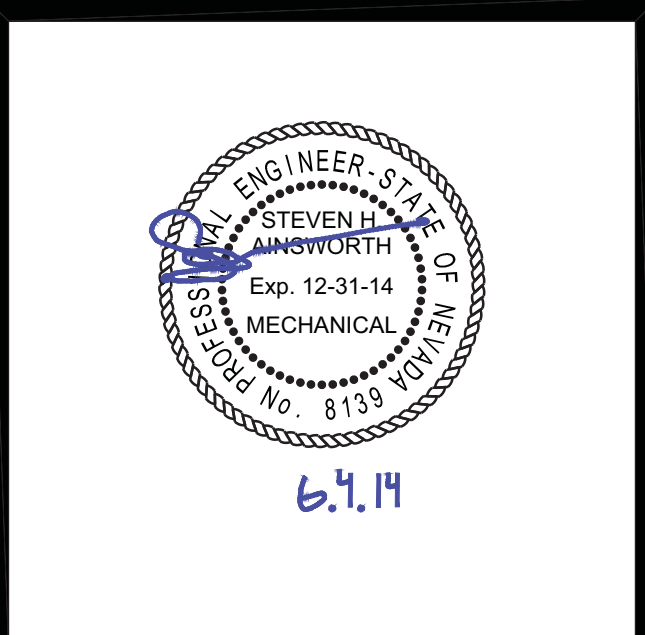


SECOND FLOOR PLAN - ALTERNATE "C"
 SCALE: 1/8" = 1'-0"
 C M2.1



MECHANICAL FLOOR PLAN
 SCALE: 1/8" = 1'-0"
 A M2.1

MECHANICAL FLOOR PLAN ALTERNATE "B"
 SCALE: 1/8" = 1'-0"
 B M2.1



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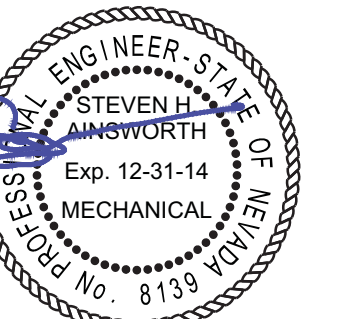
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**MECHANICAL FLOOR
 PLANS**

M2.1



6.9.14

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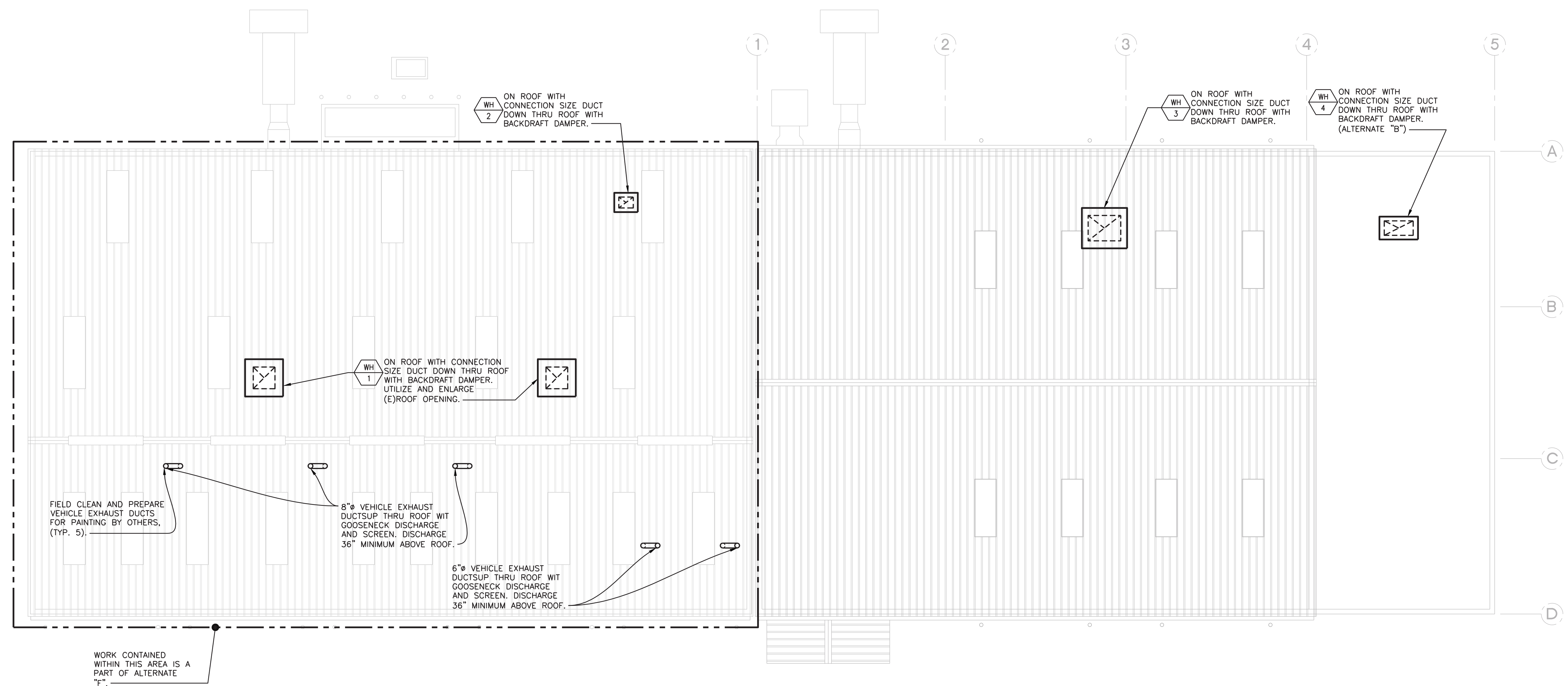
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MECHANICAL ROOF
PLAN

M3.1



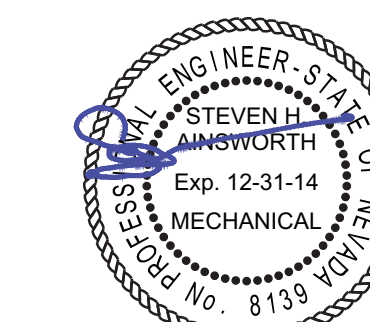
MECHANICAL ROOF PLAN
SCALE: 1/8" = 1'-0"

A
M3.1

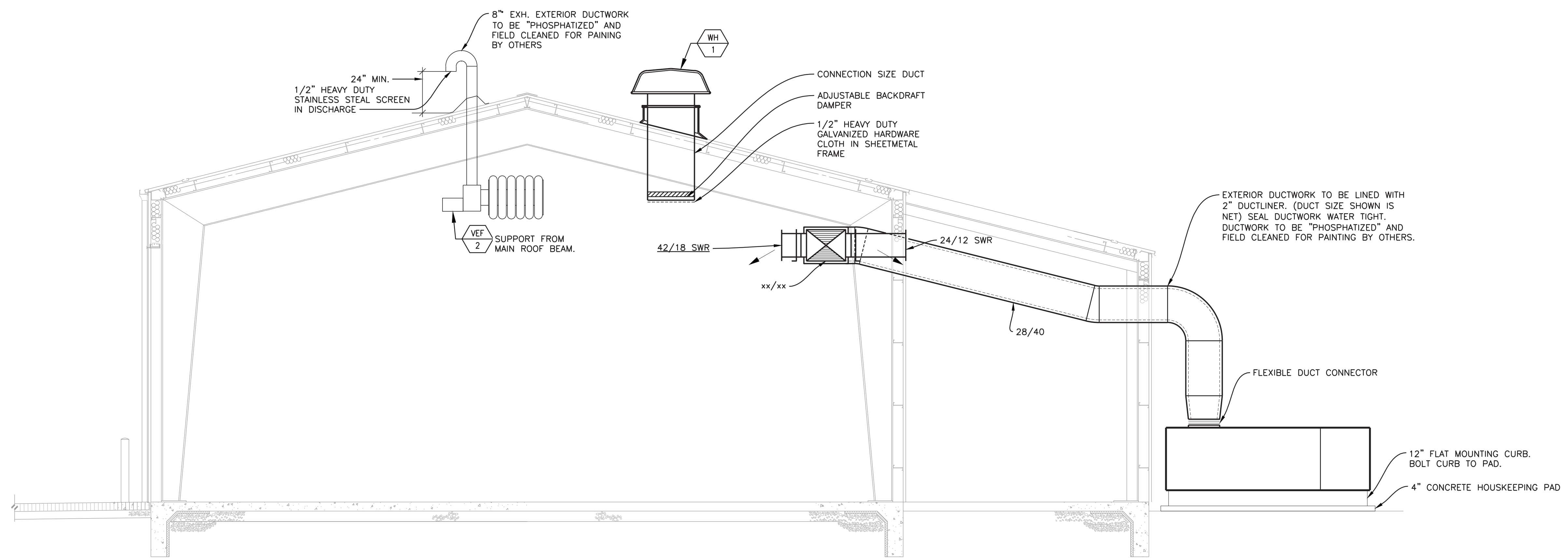


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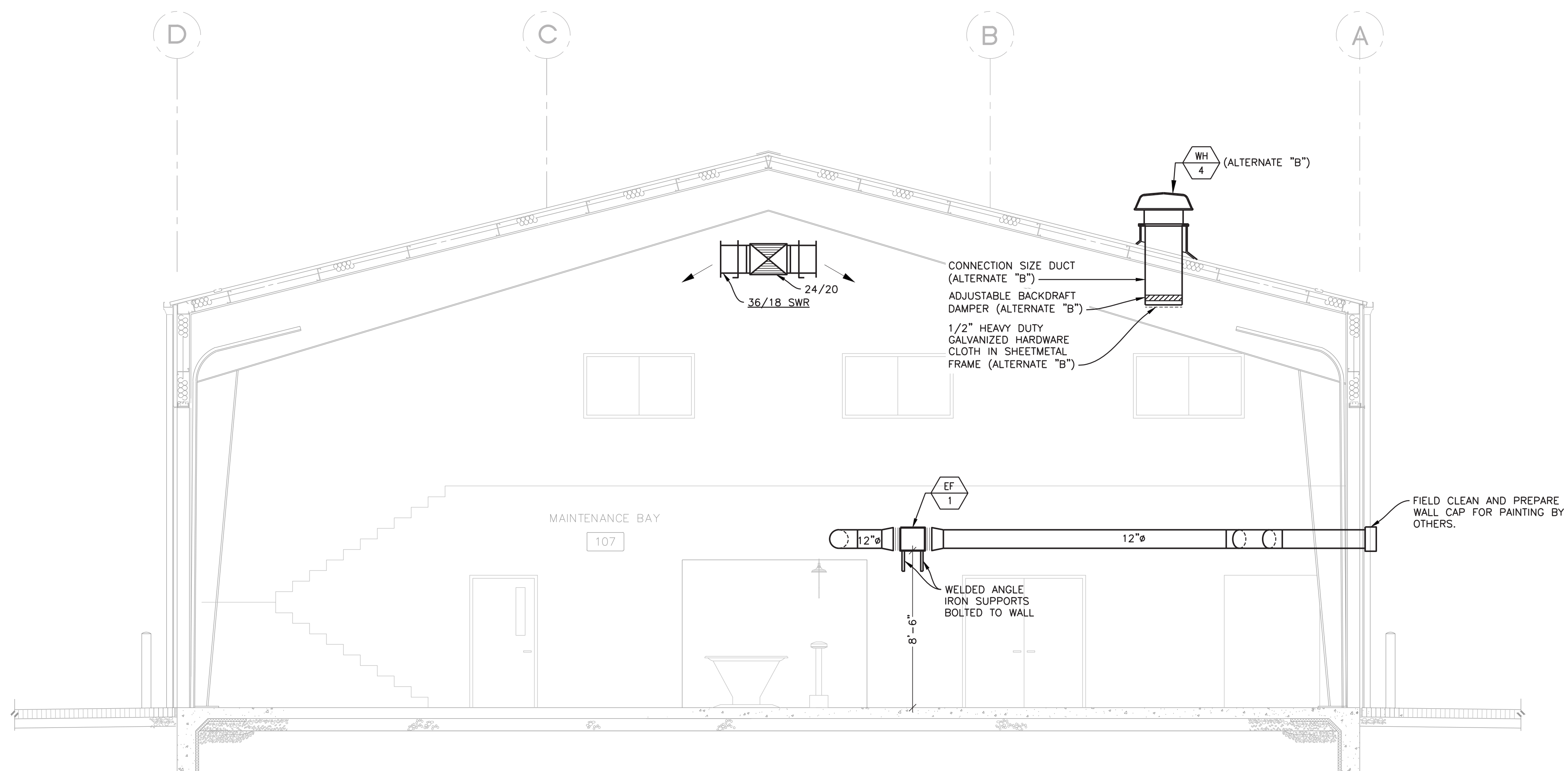
6.4.14



MECHANICAL SECTION

SCALE: #####

A
M4.1



MECHANICAL SECTION

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

B
M4.1

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EXPANSION

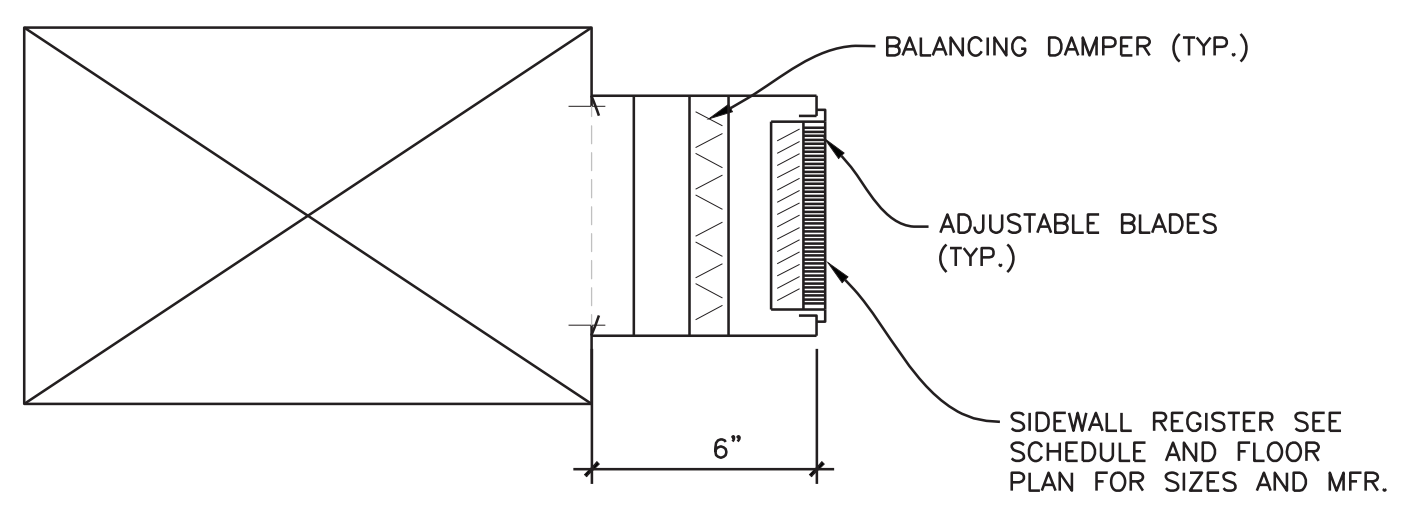
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DATE	6-2-14
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4/24/14

MECHANICAL
SECTIONS

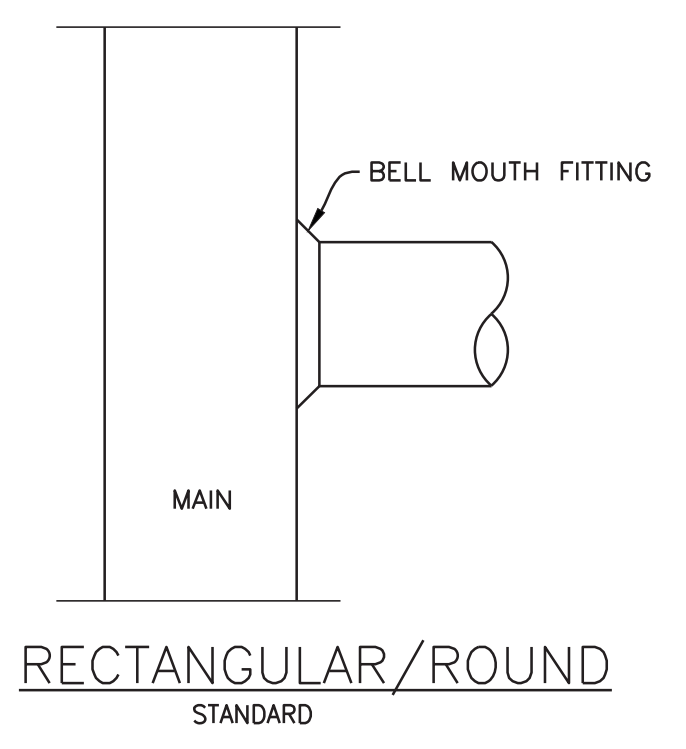
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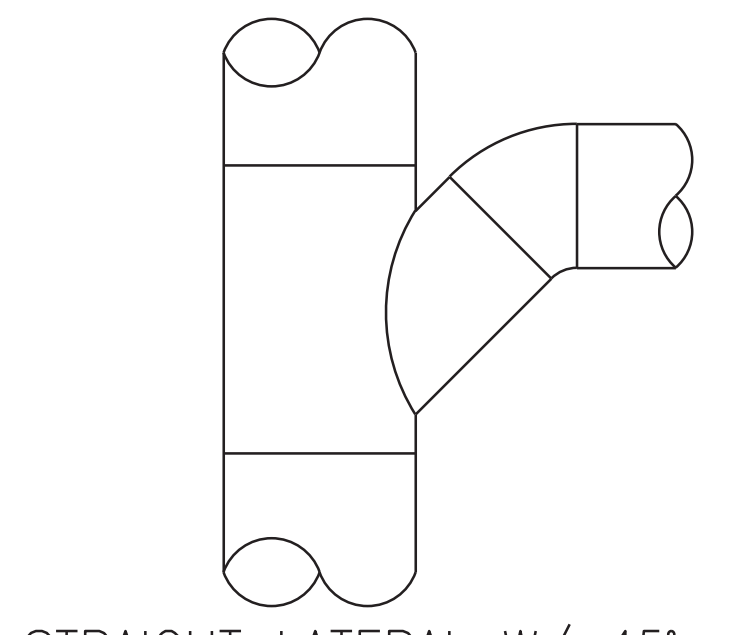
EXPOSED DUCT REGISTER

NO SCALE AAM1006

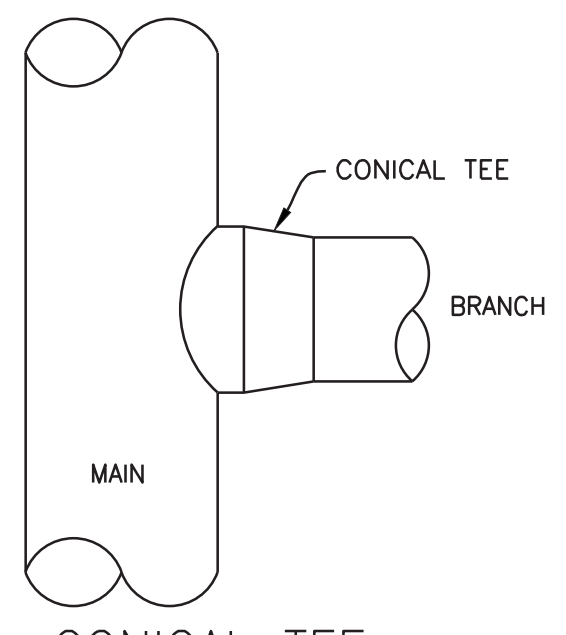
1
M6.1



RECTANGULAR/ROUND STANDARD



STRAIGHT LATERAL W/ 45°
STANDARD FOR LARGE ROUND DUCTWORK

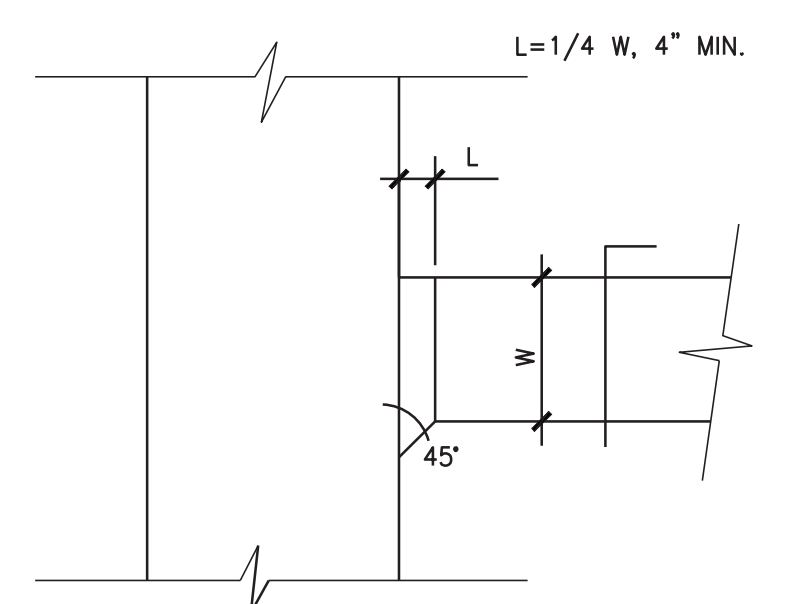


CONICAL TEE
ACCEPTABLE OPTION TO STRAIGHT LATERAL W/ 45°

TYPICAL BRANCH DUCTS

NO SCALE AAM1101

2
M6.1

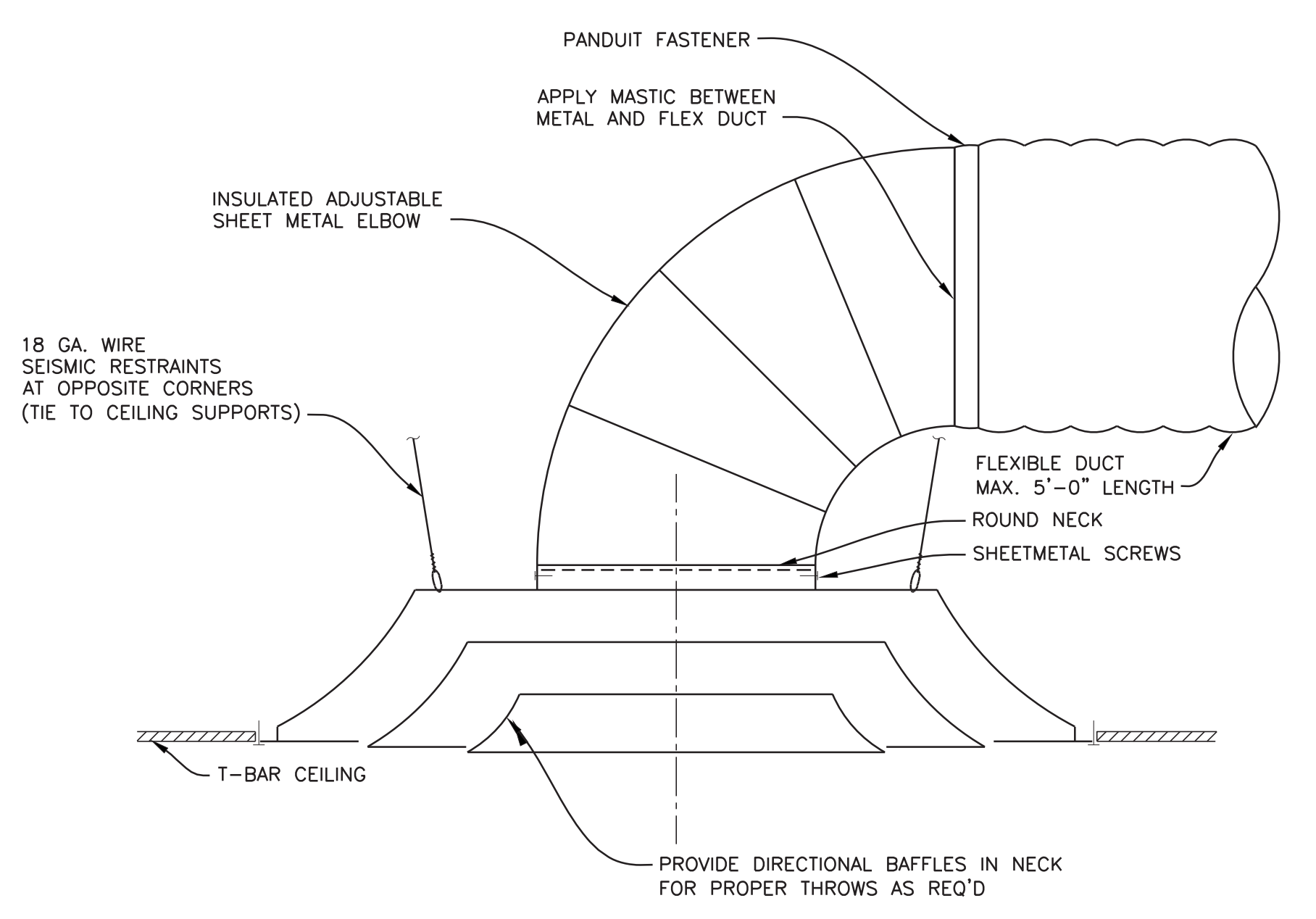


RECTANGULAR/RECTANGULAR STANDARD-ALSO 45° TAP BRANCH IS ALLOWED IF 45° BRANCH IS USED ELIMINATE 4" TAP-IN

BRANCH DUCT

NO SCALE AAM1102

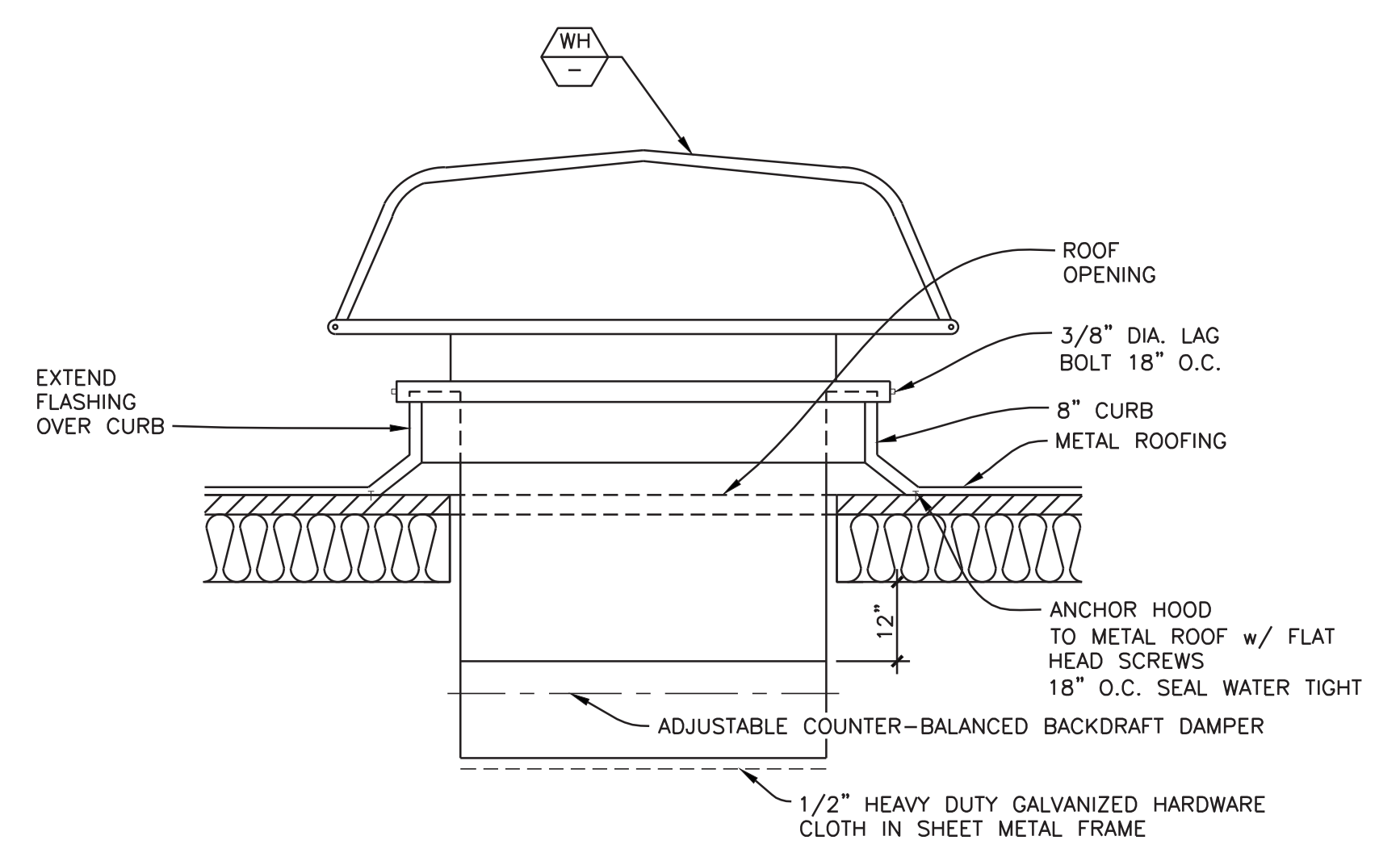
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M6.1



CEILING DIFFUSER

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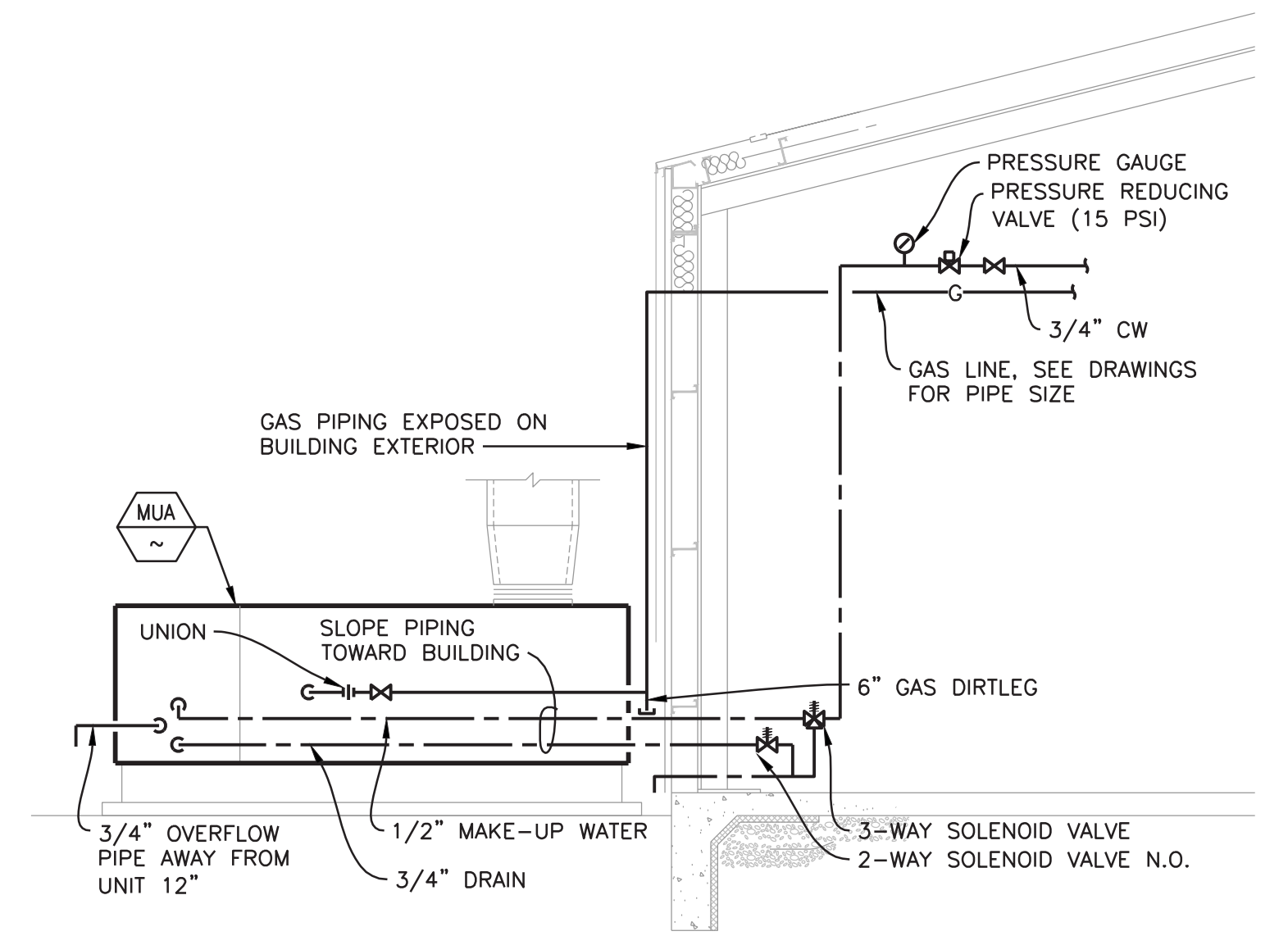
4
M6.1



WEATHER HOOD

NO SCALE AAM827

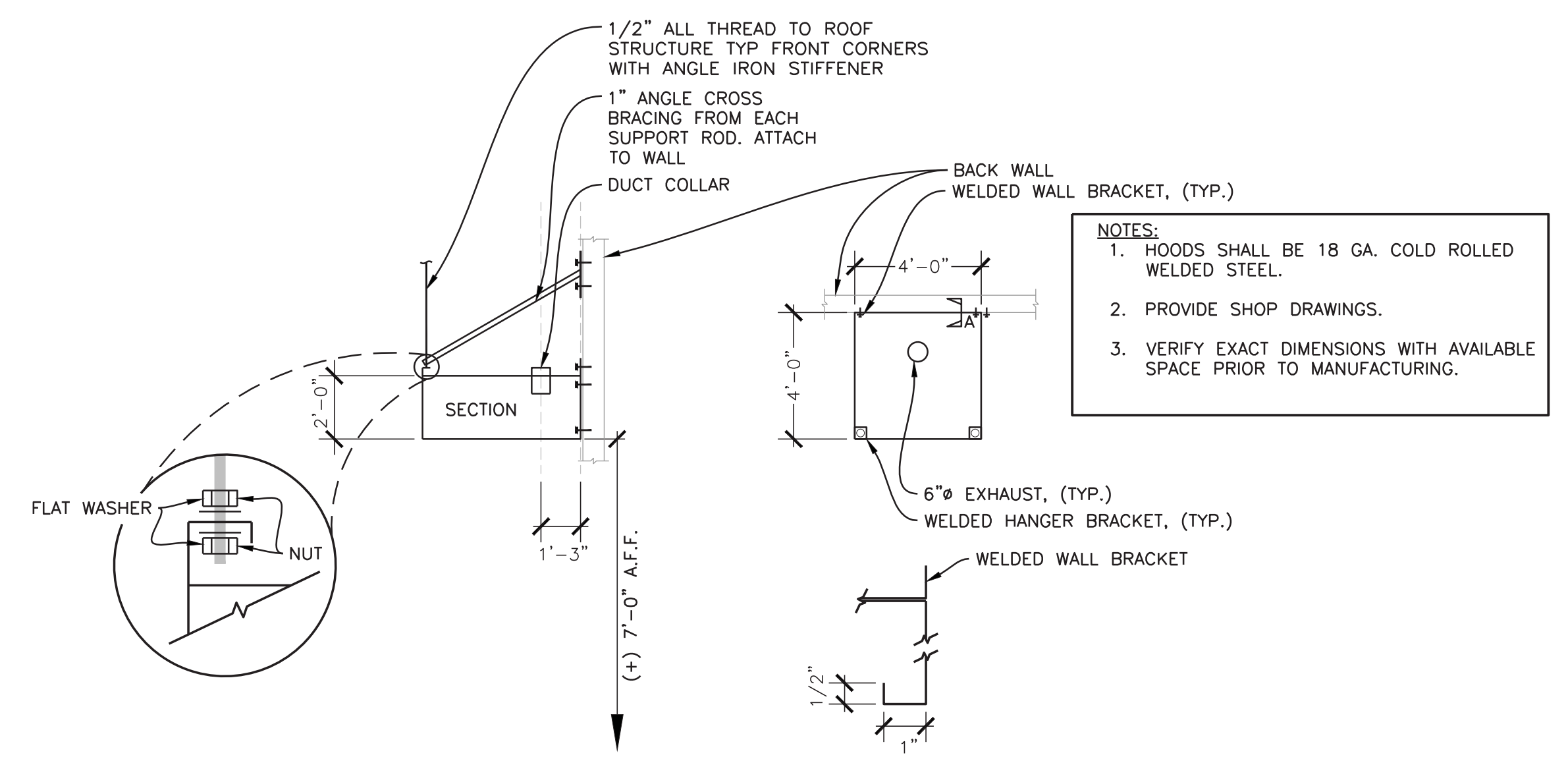
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M6.1



MECHANICAL SECTION

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

6
M6.1



WELDING EXHAUST HOOD DETAIL

NOT TO SCALE

7
M6.1

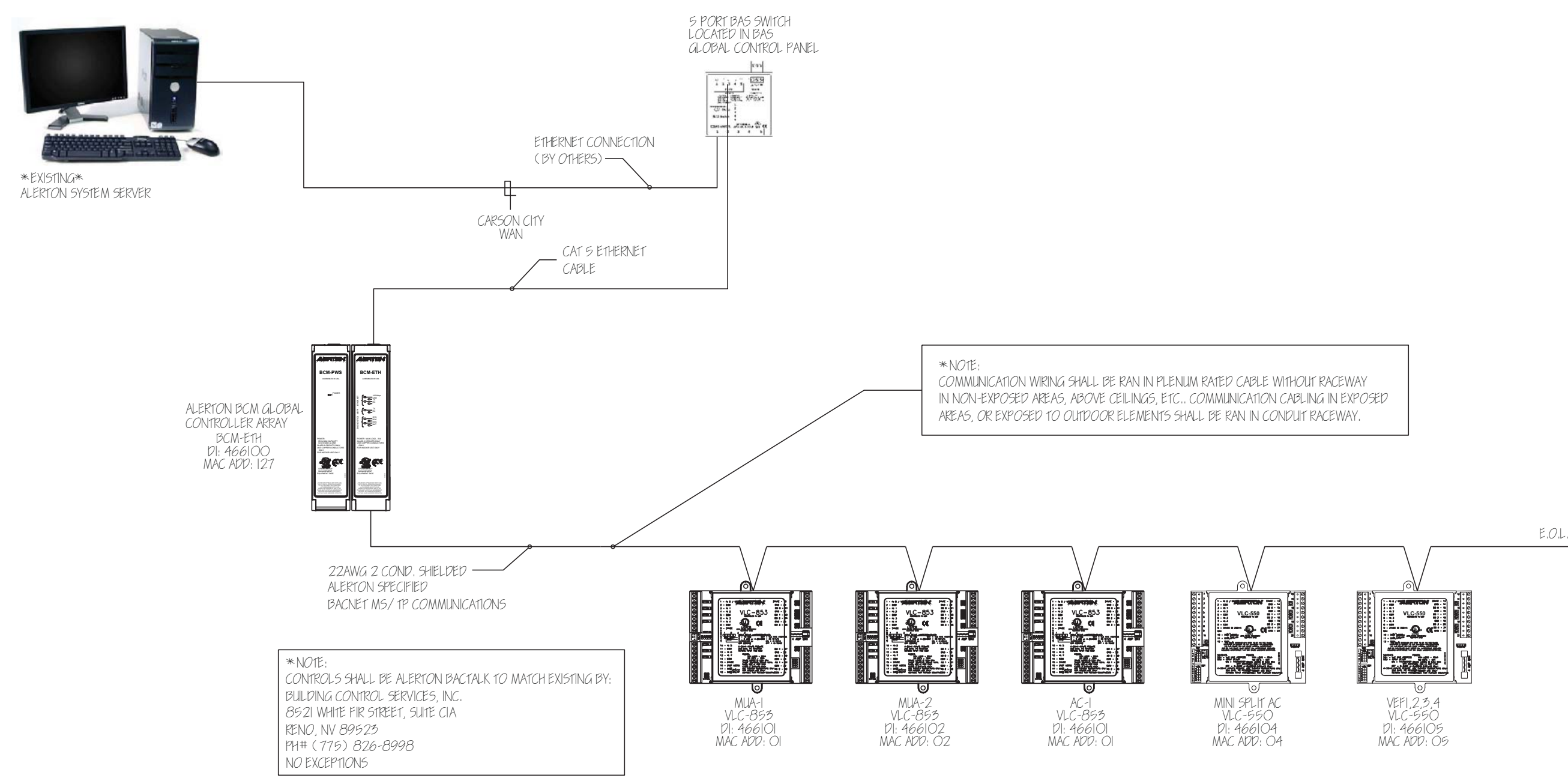


CARSON CITY FLEET MAINTENANCE FACILITY EXPANSION
CARSON CITY, NEVADA

DATE	6-2-14
JOB NO	796
DRAWN	JSH/ER
CHECKED	SA

BUILDING DEPARTMENT COMMENTS
4/24/14

MECHANICAL DETAILS
M6.1

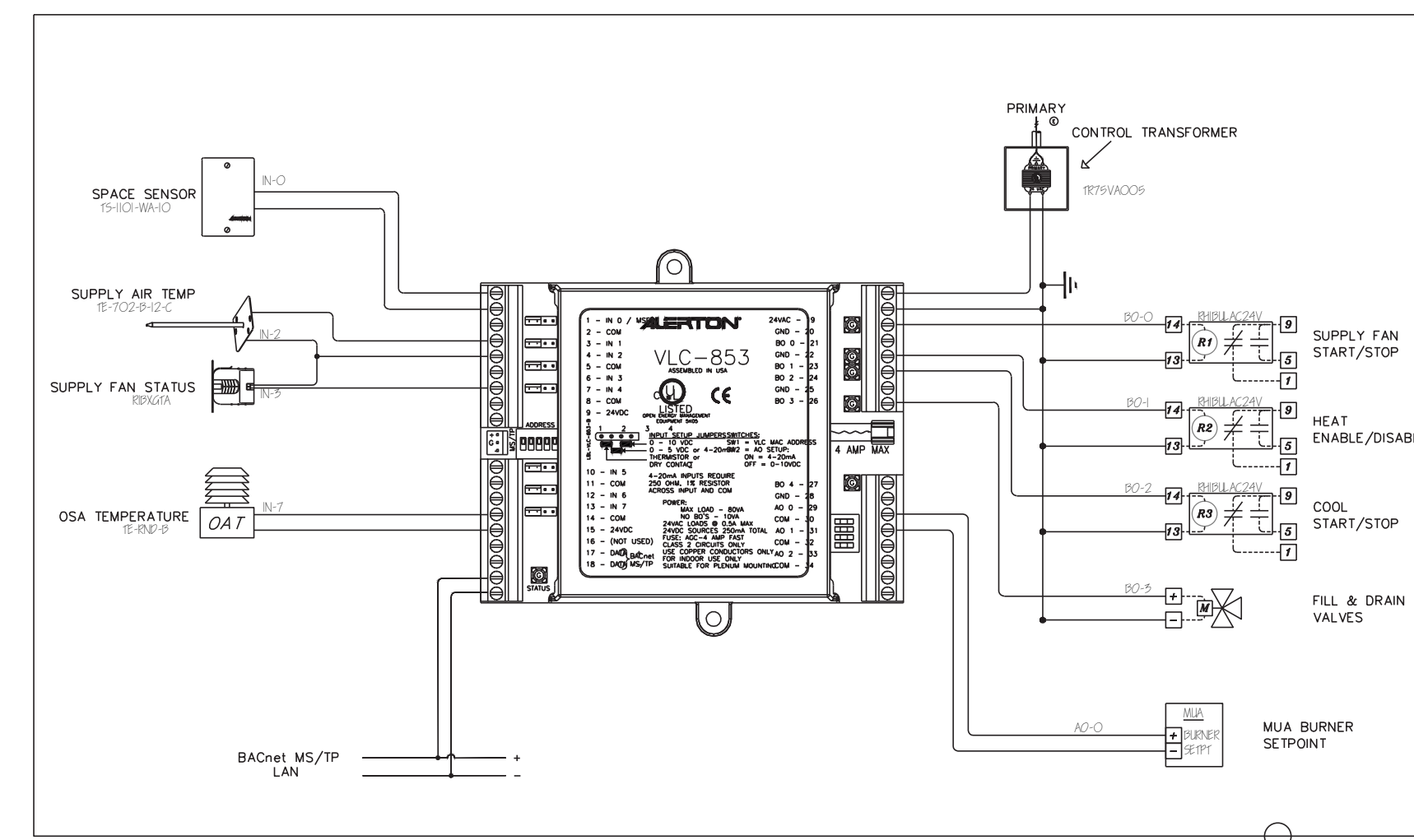


MUA SEQUENCE OF OPERATION

WARMUP CYCLE:
ROOM SENSOR STARTS MUA SUPPLY FAN, OPENS THE OUTSIDE AIR DAMPER AND MODULATES THE MUA BURNER AS REQUIRED TO REACH OCCUPIED CYCLE TEMPERATURE SETPOINT AT PROGRAMMED TIME OF OCCUPANCY.
IF A VEHICLE EXHAUST FAN IS STARTED, THE SYSTEM SHALL REVERT TO THE 'UNOCCUPIED CYCLE'. (MUA-1 ONLY)

OCCUPIED CYCLE:
SUPPLY FAN SHALL START AND OUTSIDE AIR DAMPER SHALL OPEN IF NOT ALREADY ACCOMPLISHED BY THE 'WARM-UP CYCLE'. AT PROGRAMMED TIME OF OCCUPANCY, IF THE OUTSIDE AIR TEMPERATURE IS LESS THAN 66 DEG F (ADJ), THE MUA BURNER SHALL BE ENABLED AND MODULATED TO MAINTAIN A DISCHARGE AIR SETPOINT OF 70 DEG F (ADJ).
IF THE OUTSIDE AIR TEMPERATURE IS GREATER THAN 70 DEG F (ADJ), THE MUA EVAPORATIVE COOLING SHALL BE ENABLED AND CYCLED TO MAINTAIN A DISCHARGE AIR SETPOINT OF 70 DEG F (ADJ).
THE EVAPORATIVE COOLER SUMP SHALL DRAIN DOWN WHENEVER THE OUTSIDE AIR TEMPERATURE FALLS BELOW 45 DEG F (ADJ) TO PROTECT FROM FREEZING. THE EVAPORATIVE COOLER SUMP SHALL DRAIN DOWN ONCE DAILY AT 1 A.M.

SAFETY CONTROL:
INTERLOCK THE MUA UNIT TO SHUT DOWN WHENEVER THE DUCT SMOKE DETECTOR IS ACTIVATED



AC UNIT W/ ECONOMIZER SEQUENCE OF OPERATION

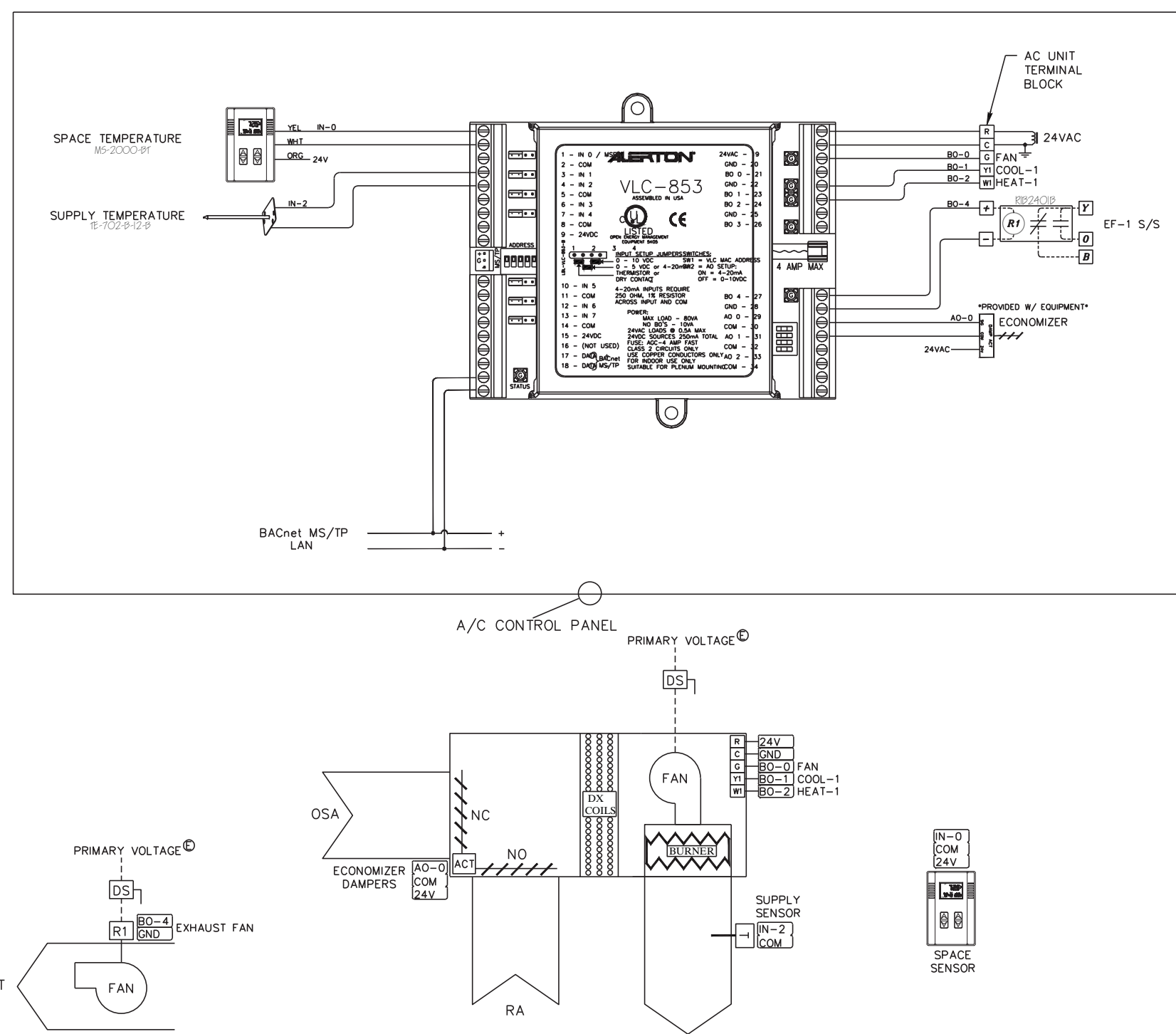
WARMUP CYCLE:
1. ROOM THERMOSTAT STARTS SUPPLY AIR FAN AND CYCLES HEATING STAGES AS REQUIRED TO REACH 'OCCUPIED CYCLE' TEMPERATURE SETPOINT AT PROGRAMMED TIME OF OCCUPANCY.
2. ECONOMIZER DAMPER REMAINS CLOSED.

OCCUPIED CYCLE:
1. SUPPLY AIR FAN SHALL START, IF NOT ALREADY RUNNING THROUGH 'WARM-UP CYCLE', AT PROGRAMMED TIME OF OCCUPANCY.
2. ECONOMIZER DAMPER OPENS TO MINIMUM OSA POSITION.
3. THE HEATING STAGES SHALL CYCLE TO MAINTAIN THE CURRENT OCCUPIED HEATING SETPOINT.
4. WHENEVER OUTSIDE TEMPERATURE IS LESS THAN THE ECONOMIZER OSA LOCKOUT SETPOINT, THE ECONOMIZER DAMPERS SHALL BE USED AS THE FIRST STAGE OF COOLING.
5. ONCE THE ECONOMIZER HAS REACHED 100% OR HAS BEEN LOCKED OUT, THE COOLING STAGES SHALL CYCLE TO MAINTAIN THE CURRENT OCCUPIED COOLING SETPOINT.

UNOCCUPIED CYCLE:
1. UNIT STOPS OPERATION AT PROGRAMMED TIME.
2. ECONOMIZER DAMPERS CLOSE.
3. UNIT SHALL CYCLE HEATING/COOLING STAGES TO MAINTAIN RESPECTIVE UNOCCUPIED HEATING/COOLING SETPOINTS.
4. A WORKSHEET PUSH-BUTTON AFTER HOURS OVERRIDE SHALL PLACE THE UNIT INTO OCCUPIED MODE FOR A PROGRAMMED LENGTH OF TIME.

SAFETY CONTROL:
1. AC UNIT INTERNAL SAFETY DEVICES DE-ENERGIZES UNIT.

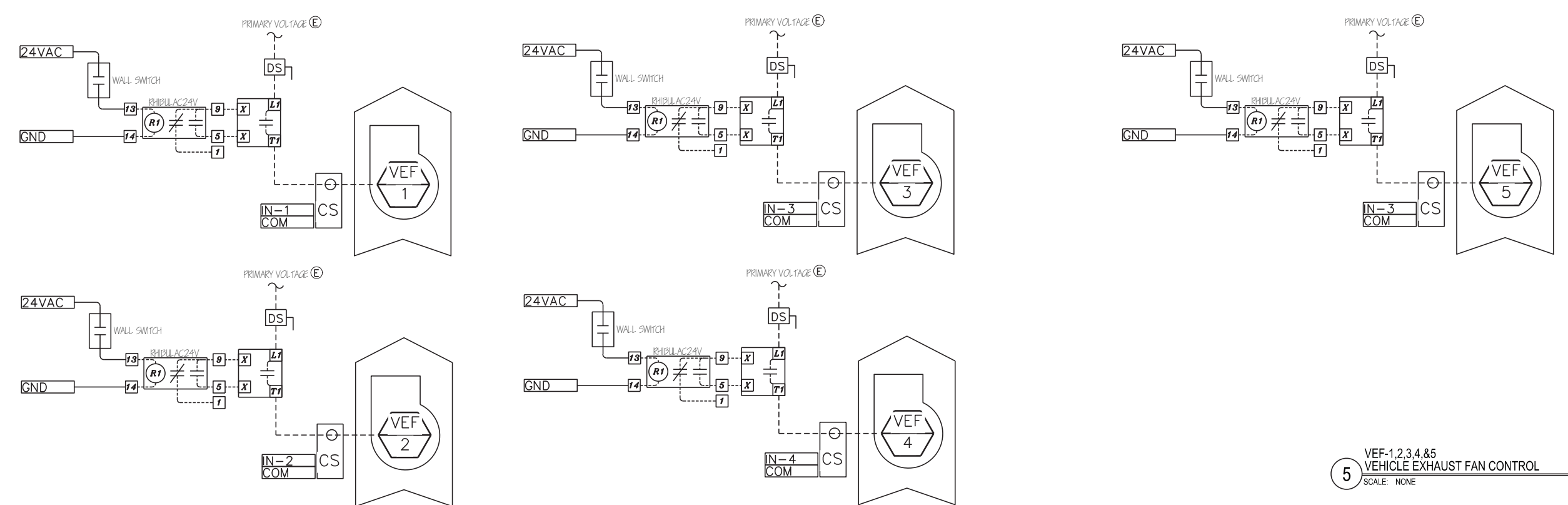
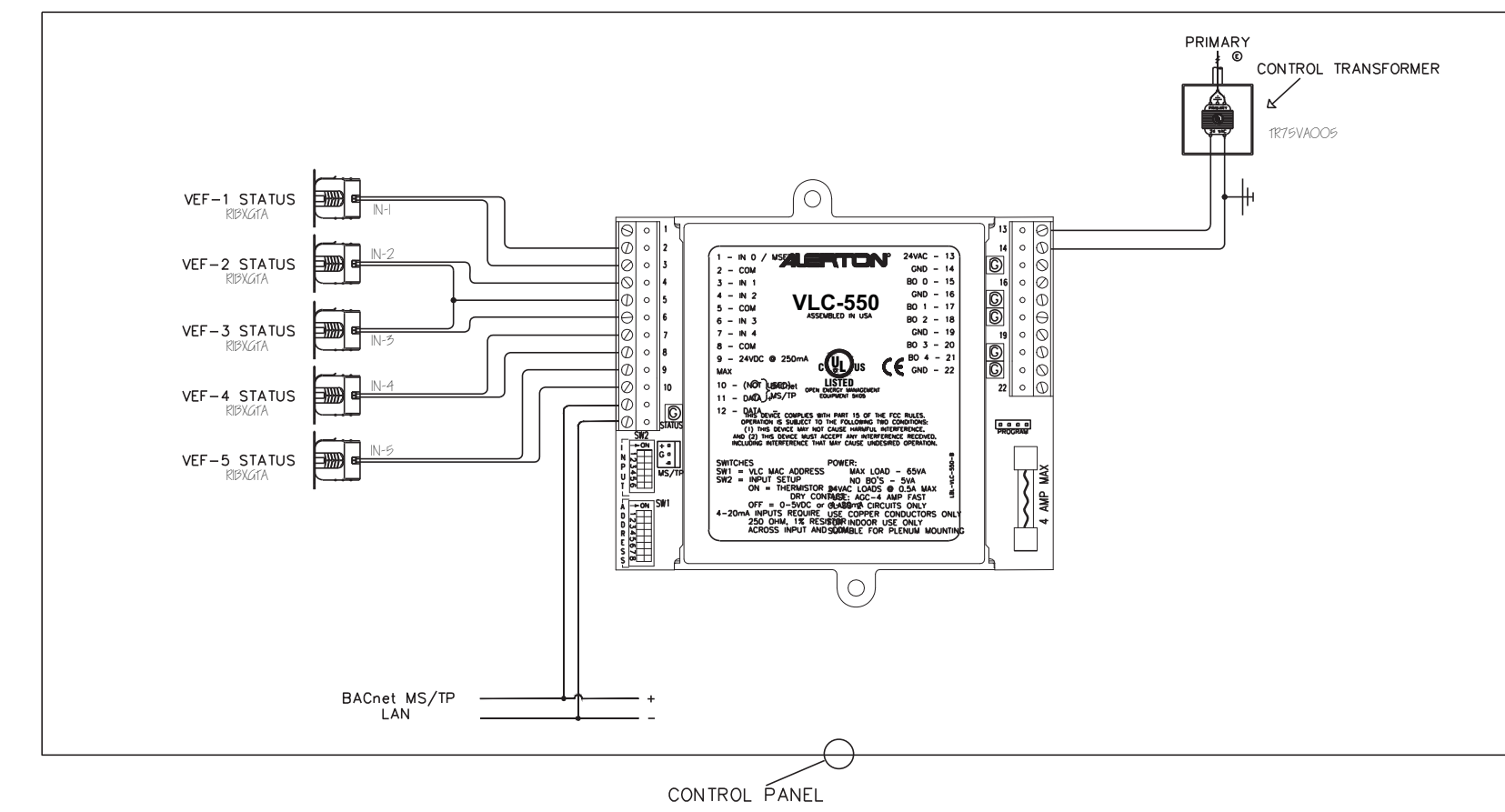
OPERATORS TERMINAL:
1. SEE 'TEMPERATURE CONTROL AND EMS GENERAL NOTES'.
2. FAN COMMAND (ON/OFF).
3. COOLING COMMAND (ON/OFF).
4. HEATING COMMAND (ON/OFF).
5. ECONOMIZER POSITION (0-100%).
6. CURRENT SUPPLY AIR TEMPERATURE (T1).
7. CURRENT RETURN AIR TEMPERATURE (T2).
8. ALARM SUPPLY AIR TEMPERATURE (HIGH/LOW).
9. ALARM SPACE TEMPERATURE (HIGH/LOW).



VEHICLE EXHAUST FAN SEQUENCE OF OPERATION

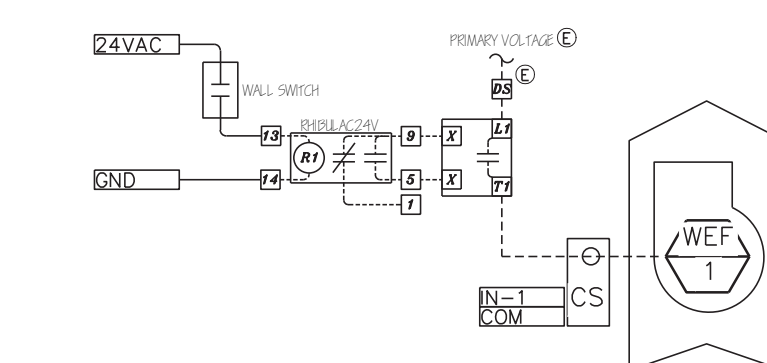
VEHICLE EX CONTROL:
1. WHENEVER SWITCH IS ACTIVATED, THE ASSOCIATED VEHICLE EXHAUST FAN SHALL START.

MUA CONTROL:
1. WHENEVER THE VEHICLE EXHAUST FAN(S) STARTS, MUA-1 SUPPLY FAN SHALL START.
2. IF THE OUTSIDE AIR TEMPERATURE IS GREATER THAN 70(ADJ), THE MUA EVAPORATIVE COOLING SHALL BE ENABLED AND CYCLED TO MAINTAIN A DISCHARGE AIR SETPOINT OF 70(ADJ).



WELDING EXHAUST FAN SEQUENCE OF OPERATION

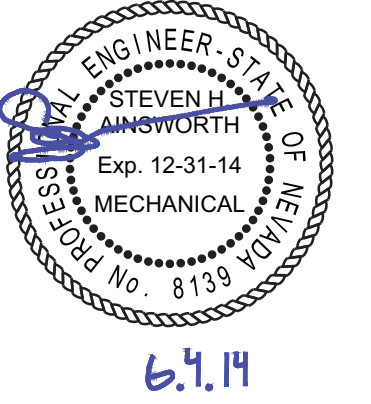
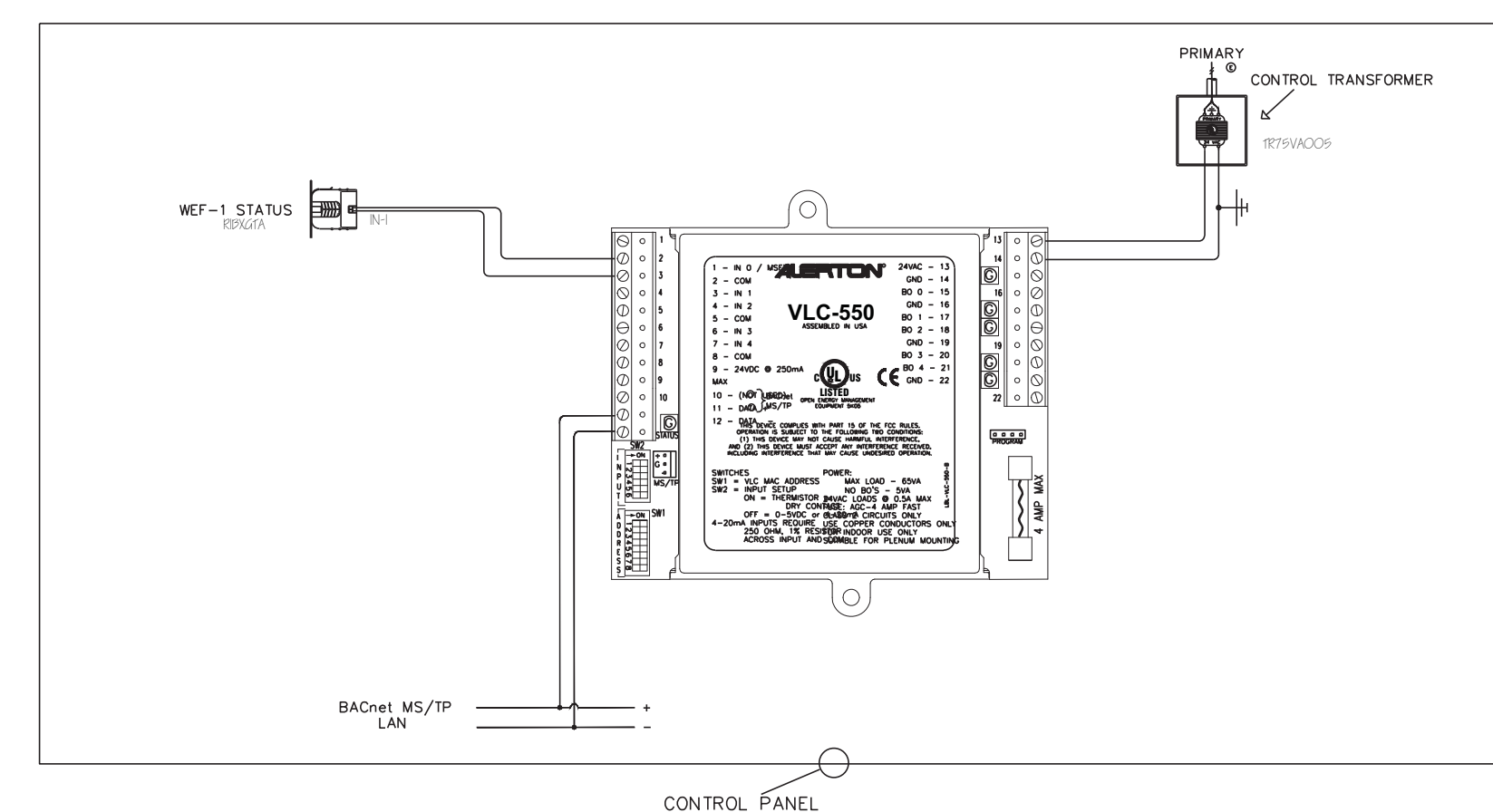
VEHICLE EX CONTROL:
1. WHENEVER SWITCH IS ACTIVATED, THE ASSOCIATED EXHAUST FAN SHALL START.



AC UNIT W/ ECONOMIZER CONTROL

NOT TO SCALE

4 TC1.1



CARSON CITY FLEET MAINTENANCE FACILITY EXPANSION

CARSON CITY, NEVADA

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TEMPERATURE CONTROLS

TC1.1



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JOB: 2013-056

LUBRICATION HOSE REEL LHR-1											
SERVICE	HOSE REEL WITH HOSE MODEL #	HOSE REEL SIZE	HOSE LENGTH FEET	PRESSURE RATING	MODEL NUMBERS ARE GRACO		REEL ENCLOSURE MODEL #	HOSE INLET KIT MODEL #	HOSE DISCHARGE DEVICE	HOSE DISCHARGE MODEL #	
					INLET CONNECTION SIZE INCHES	OUTLET CONNECTION SIZE INCHES					
AIR	HPL65F	SD 20	50	300	1/2	1/2	24A949	218549	QUICK CONNECT	MATCH EXISTING	
GLYCOL	HPL65F	SD 20	50	300	1/2	1/2	24A949	218549	ELECTRONIC METER	238640	
MOTOR OIL	HPM65F	SD 20	50	2000	1/2	1/2	24A949	218549	ELECTRONIC METER	238640	
MOTOR OIL	HPM65F	SD 20	50	2000	1/2	1/2	24A949	218549	ELECTRONIC METER	238640	
MOTOR OIL	HPM65F	SD 20	50	2000	1/2	1/2	24A949	218549	ELECTRONIC METER	238640	
AUTO TRANS FLUID	HPM65F	SD 20	50	2000	1/2	1/2	24A949	218549	ELECTRONIC METER	238641	
HYDRAULIC FLUID	HPM65F	SD 20	50	2000	1/2	1/2	24A949	218549	ELECTRONIC METER	238641	
GEAR OIL	HPM65F	SD 20	50	2000	1/2	1/2	24A949	218549	ELECTRONIC METER	238641	

NOTES

- FURNISH ELECTRONIC METERS WITH LITHIUM BATTERIES.
- FURNISH HOSE REEL ENCLOSURE ASSEMBLY WITH 1 SET OF END PANELS MODEL 2A851.
- PIPING CONNECTION AT EXISTING AIR COMPRESSOR SHALL INCLUDE PRESSURE REGULATOR MODEL 24465 3/4" WITH PRESSURE GAUGE AND 100/50 FILTER.
- FURNISH REEL ASSEMBLY WITH 3 MODEL 20324 SUPPORT CHANNELS.
- INSTALLATION TO INCLUDE BRASS CONNECTIONS AT EACH DISCHARGE METER AND ALL REQUIRED FITTINGS AND CONNECTORS FOR A COMPLETE SYSTEM.
- HOSE REELS TO INCLUDE HOSE BALL STOPS AND HOSE GAUGES.

- ### GENERAL NOTES
- ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES, SPECIFICATIONS, LOCAL ORDINANCES, AND INDUSTRY STANDARDS.
 - COORDINATE EXACT LOCATION OF EQUIPMENT AND ALL PENETRATIONS THROUGH ROOF, FLOORS, AND WALLS WITH STRUCTURAL DRAWINGS PRIOR TO ANY ROUGH-IN.
 - COORDINATE THE PLACEMENT OF MECHANICAL EQUIPMENT WITH PLUMBING AND ELECTRICAL SECTIONS PRIOR TO BEGINNING WORK.
 - COORDINATE ALL PIPE ROUTING WITH OTHER BUILDING COMPONENTS.
 - ALL THERMOSTATS MOUNTED ON EXTERIOR WALLS SHALL HAVE AN INSULATED BASE.
 - PROVIDE MIN. CODE AND MANUFACTURERS RECOMMENDATIONS ON CLEARANCES FOR ALL EQUIPMENT.
 - VERIFY EXACT LOCATION, INVERT ELEVATION, SIZES, AND POINT OF CONNECTION OF ALL EXISTING UTILITIES PRIOR TO ROUGH-IN OF ANY PIPING.
 - SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF PLUMBING FIXTURES TO MEET ADA REQUIREMENTS.
 - ALL WATER PIPING IN EXTERIOR WALLS SHALL BE INSULATED AND INSTALLED INSIDE THE BUILDING INSULATION.
 - COORDINATE THE ROUTING OF PLUMBING WITH DUCTWORK AND ELECTRICAL SECTIONS PRIOR TO BEGINNING WORK.
 - INSULATE P-TRAP, HOT, AND COLD WATER SUPPLIES ON HANDICAP LAVATORIES AND SINKS WITH TRU-BRO "SOFT GUARD PLUS." PROTECTION SHALL MEET ASTM E84 FLAME/SMOKE REQUIREMENTS.
 - HANDI-CAP WATER CLOSETS SHALL HAVE TANK CONFIGURED TO PROVIDE FLUSH HANDLE FACING THE ACCESS SIDE OF WATER CLOSET.
 - PROVIDE ALL PLUMBING FIXTURES AND EQUIPMENT WITH ACCESSIBLE STOPS.
 - ALL PIPING WORK SHALL BE COORDINATED WITH ALL TRADES AND EXISTING CONDITIONS. OFFSETS IN PIPING AROUND OBSTRUCTIONS SHALL BE PROVIDED AS REQUIRED.
 - SLOPE ALL SEWER AND WASTE LINES A MINIMUM OF 1/4" PER FT.
 - ALL PIPING SHALL NOT OBSTRUCT ACCESS OR REMOVAL OF MECHANICAL EQUIPMENT.
 - ALL EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS.
 - DO NOT FABRICATE PIPING FROM THE DRAWINGS. SPACE ALLOCATION SHALL BE DETERMINED IN THE FIELD AND COORDINATED WITH OTHER TRADES PRIOR TO FABRICATION.
 - PROVIDE WALL CLEANOUTS FOR ALL SINKS AND URINALS.
 - ALL METAL PIPE (CAST IRON, STEEL, COPPER, ETC.) BURIED BELOW SLAB OR GRADE SHALL BE PROTECTED FROM CORROSION WITH CHRISTY'S POLYETHYLENE PIPE ENCASEMENT AND WRAP.
 - KEEP ROOFTOP EXHAUST TERMINATIONS A MINIMUM 15 FEET FROM OUTSIDE AIR INTAKES.
 - KEEP OUTSIDE FLUE/VENT TERMINATIONS A MINIMUM 12" ABOVE AIR OPENINGS INTO BUILDING.
 - COORDINATE EXACT LOCATION OF PENETRATIONS THROUGH CONCRETE SLAB, SHEAR WALLS AND BLOCK WALLS WITH STRUCTURAL DRAWINGS PRIOR TO ANY ROUGH-IN.
 - FOR ALL WALL HUNG FIXTURES, PROVIDE A 1/8" x 6" BACKING PLATE BOLTED TO A MINIMUM OF 4 STUDS. PROVIDE CONCEALED ARMS FOR LAV'S BOLTING TO BACKING PLATE.

PLUMBING LEGEND & ABBREVIATIONS

ALL ITEMS SHOWN IN THIS LEGEND ARE NOT NECESSARILY USED ON THE DRAWINGS.

ABBREV.	SYMBOL	DESCRIPTION
S OR W	-----	SOIL, WASTE OR SEWER BELOW GRADE
S OR W	-----	SOIL, WASTE OR SEWER ABOVE GRADE
RWL	=====	RAIN WATER LEADER
SD	=====	STORM DRAIN BELOW GRADE
G	-----	LOW PRESSURE NATURAL GAS
V	-----	VENT
CW	-----	COLD WATER
HW	-----	HOT WATER (110°, 120°, OR 140° AS NOTED)
HWR	-----	HOT WATER RETURN
FL	-----	FIRE LINE
D	-----	DRAIN
GV	-----	GATE VALVE
CV	-----	CHECK VALVE
BV/SOV	-----	BALL VALVE/SHUT OFF VALVE
GC	-----	GAS COCK
GPR	-----	GAS PRESSURE REGULATOR
PRV	-----	PRESSURE REDUCING VALVE
STR	-----	STRAINER
TH.	-----	THERMOMETER
P & TR	-----	PRESSURE & TEMPERATURE RELIEF VALVE
PG	-----	PRESSURE GAUGE WITH GAUGE COCK
FD	-----	FLOOR DRAIN
FS	-----	FLOOR SINK
F, GCO OR COTG	-----	FLOOR, GRADE CLEANOUT, CLEANOUT TO GRADE
HB	-----	HOSE BIBB
LW	-----	LANDSCAPE WATER
WCO	-----	WALL CLEANOUT
UN	-----	UNION
VIR	-----	VENT THRU ROOF
RD	-----	ROOF DRAIN
AFS	-----	AUTOMATIC FIRE SPRINKLER RISER
TYP.	-----	TYPICAL
REF.	-----	REFERENCE
I.E.	-----	INVERT ELEVATION
TA	-----	TO ABOVE
FA	-----	FROM ABOVE
FB	-----	FROM BELOW

PLUMBING ROUGH-IN SCHEDULE

ABBR.	FIXTURE	ROUGH-IN SIZES (INCHES)					COMMENTS
		HW	CW	V	TRAP	S/W	
WC-1	WATER CLOSET	-	1	2	INTEG.	4	WALL HUNG, FLUSH VALVE, ADA
U-1	URINAL	-	3/4	2	INTEG.	2	WALL MOUNT
F-D	FLOOR DRAIN	-	-	2	2	2	WITH TRAP PRIMER CONNECTION WHERE NOTED
S-1	SINK	1/2	1/2	2	1-1/2	2	DOUBLE COMPARTMENT S.S. COUNTERTOP
FS-1	FLOOR SINK	-	-	2	2	2	
HB-1	HOSE BIBB	-	3/4	-	-	-	EXTERIOR FREEZE PROOF
HB-2	HOSE BIBB	-	3/4	-	-	-	INTERIOR
TD-1	TRENCH DRAIN	-	-	-	-	4	
WF-1	WASH FOUNTAIN	1	1	2	2	2	SEMI-CIRCULAR, INFRARED ACTIVATION
HB-2	HOSE BIBB	-	3/4	-	-	-	INTERIOR
WH-1	WATER HEATER	1-1/4	1-1/4	-	-	-	


DRAWING INDEX

PO.1 - PLUMBING LEGEND, GENERAL NOTES, ROUGH-IN, AND INDEX
P1.1 - PLUMBING DEMOLITION FLOOR PLANS
P2.1 - PLUMBING FLOOR PLANS
P2.2 - ENLARGED PLUMBING PLANS
P6.1 - PLUMBING DETAILS

PLUMBING FIXTURES

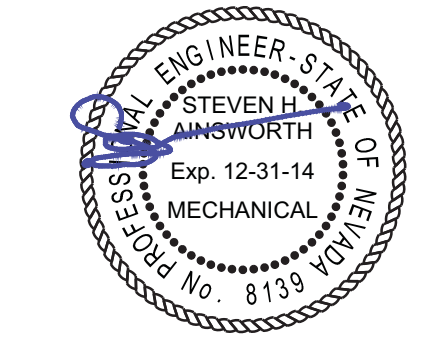
WC-1	WATER CLOSET (ADA) AMERICAN STANDARD MODEL 3351.160 AFWALL 1.6 GPF WALL HUNG VITREOUS CHINA TOILET WITH ELONGATED BOWL. FURNISH WITH OLSONITE #10SSCT TOILET SEAT, ZURN CARRIER, AND ZURN FLUSH VALVE.
U-1	URINAL AMERICAN STANDARD MODEL #6590.005 "WASHBROOK" 0.5 GPF URINAL. FURNISH WITH ZURN #Z-6003-EWS 0.5 GPF FLUSH VALVE AND ZURN CARRIER.
L-1	LAVATORY (ADA) AMERICAN STANDARD MODEL #0476.028 AQUALYN VITREOUS CHINA COUNTER MOUNTED LAVATORY. FURNISH WITH AMERICAN STANDARD #6055.205 INNSBROOK FAUCET WITH 1.5 GPM FLOW AERATOR, GRID STRAINER, 17 GAUGE CHROME PLATED P-TRAP, TRU-BRO P-TRAP HOT AND COLD WATER SUPPLY ADA INSULATION AND MOUNTING ANGLE STOPS WITH SUPPLIES.
S-1	SINK AMERICAN STANDARD MODEL #7182.803 "CHANDLER" AMERICAST SINK. FURNISH WITH #4331.013 BASKET STRAINER, #2475.500 FAUCET, 17 GA. CHROME PLATED BRASS P-TRAP AND MOUNTING ANGLE STOPS WITH SUPPLIES.
WF-1	WASH FOUNTAIN BRADLEY MODEL #WF2804, 54" SEMI-CIRCULAR STAINLESS STEEL WASH FOUNTAIN. FURNISH WITH INFRA-RED CONTROLS, THERMOSTATIC MIXING VALVE AND METAL CLAD LIQUID SOAP DISPENSER.
TG-1	TRAP GUARD SURE SEAL SS2009V 2" SS3000V 3" TRAP GUARD FOR CAST IRON PIPE.
TD-1	TRENCH DRAIN ZURN MODEL NO. Z-806-DG 6" WIDE PRE SLOPED TRENCH DRAIN WITH CLASS "E" DUCTILE IRON SLOTTED GRATE AND OUTLET FITTING. SEE PLANS FOR LENGTH.
WHA-X	WATER HAMMER ARRESTOR SIOUX CHIEF "HYDRA-RESTER" PISTON STYLE WATER HAMMER ARRESTOR. PDI STANDARD AS NOTED ON DRAWINGS.
ES-1	EMERGENCY EYEWASH/SHOWER HAWES MODEL #8300-8309 COMBINATION EMERGENCY EYE-WASH/SHOWER. FURNISH WITH MODEL #9202E THERMOSTATIC MIXING VALVE, HOLD OPEN VALVES AND SIGNAGE.
WH-1	WATER HEATER A.O. SMITH MODEL #DSE-100, 100 GALLON ELECTRIC WATER HEATER. 9KW AT 230V/3 PHASE. 1200 LBS OPERATING WEIGHT.
BFP-1	BACKFLOW PREVENTER WILKINS MODEL #975XL REDUCED PRESSURE BACKFLOW PREVENTER COMPLETE WITH INTEGRAL CHECK DRAIN AND SHUTOFF. FURNISH WITH AIR GAP FITTINGS.
FD-1	FLOOR DRAIN ZURN MODEL Z-415 WITH TYPE "B" STRAINER. FURNISH WITH CAST TRAP WITH TRAP PRIMER CONNECTION.
FS-1	FLOOR SINK ZURN MODEL Z-1900, 12" X 12" X 6" ENAMELED CAST IRON. FURNISH WITH STRAINER, GRATE AS REQUIRED, CAST TRAP AND TG-1 TRAP GUARD.
CP-1	CIRCULATOR PUMP GRUNDFOS MODEL UP15-18-B5, 1GPM AT 10 FEET. 85 WATTS AT 120V/1PH
SOI-1	SAND/OIL INTERCEPTOR JENSEN PRECAST MODEL JP750EE - SO 750 GALLON PRECAST CONCRETE INTERCEPTOR. FURNISH WITH 2 GAS TIGHT MANHOLE COVERS WITH RISERS AS REQUIRED.
WS-1	WATER SOFTENER CULLIGAN "GOLD SERIES" TO SOFTEN 9 GPM WITH 14 PSI PRESSURE DROP. 19,086 GR. @ 4 LB SALT DOSAGE, 4-770 GR/LB. FURNISH WITH SALT STORAGE TANK AND POWER TRANSFORMER. 35 WATTS AT 120V/1PH (PLUG). PROVIDE 25, 40 POUND BAGS OF SALT.
HB-1	HOSE BIBB WOODFORD MODEL 17 FREEZELESS WITH INTEGRAL VACUUM BREAKER. CHROME PLATED WITH WHEEL HANDLE.
HB-2	HOSE BIBB WOODFORD MODEL 24CP WITH VACUUM BREAKER. CHROME PLATED WITH WHEEL HANDLE.
GOP-1	GEAR OIL PUMP GRACO "THE BALL 300", 2.8 GPM AT 80 CPM, 900 PSI MAXIMUM FLUID PRESSURE, 3 INCH AIR MOTOR 27 SCFM AT 40-180PSI. FURNISH WITH AIR PRESSURE REGULATOR WITH PRESSURE GAUGE. COORDINATE INLET LINE LENGTH WITH EXISTING STORAGE TANK.

GML ARCHITECTS • LLC



architects & planners

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RENO • NEVADA 89502
P • 775 • 829 • 8814
F • 775 • 829 • 8828




6.9.14



CARSON CITY FLEET MAINTENANCE FACILITY EXPANSION

CARSON CITY,
NEVADA

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CHECKED	SA

 BUILDING DEPARTMENT COMMENTS
4/24/14

PLUMBING LEGEND, GENERAL NOTES, ROUGH-IN, AND INDEX

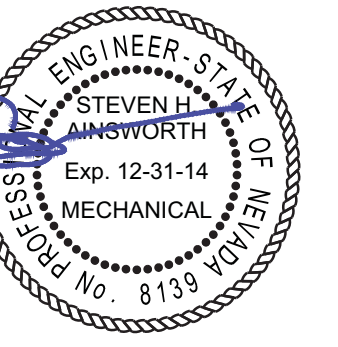
PO.1



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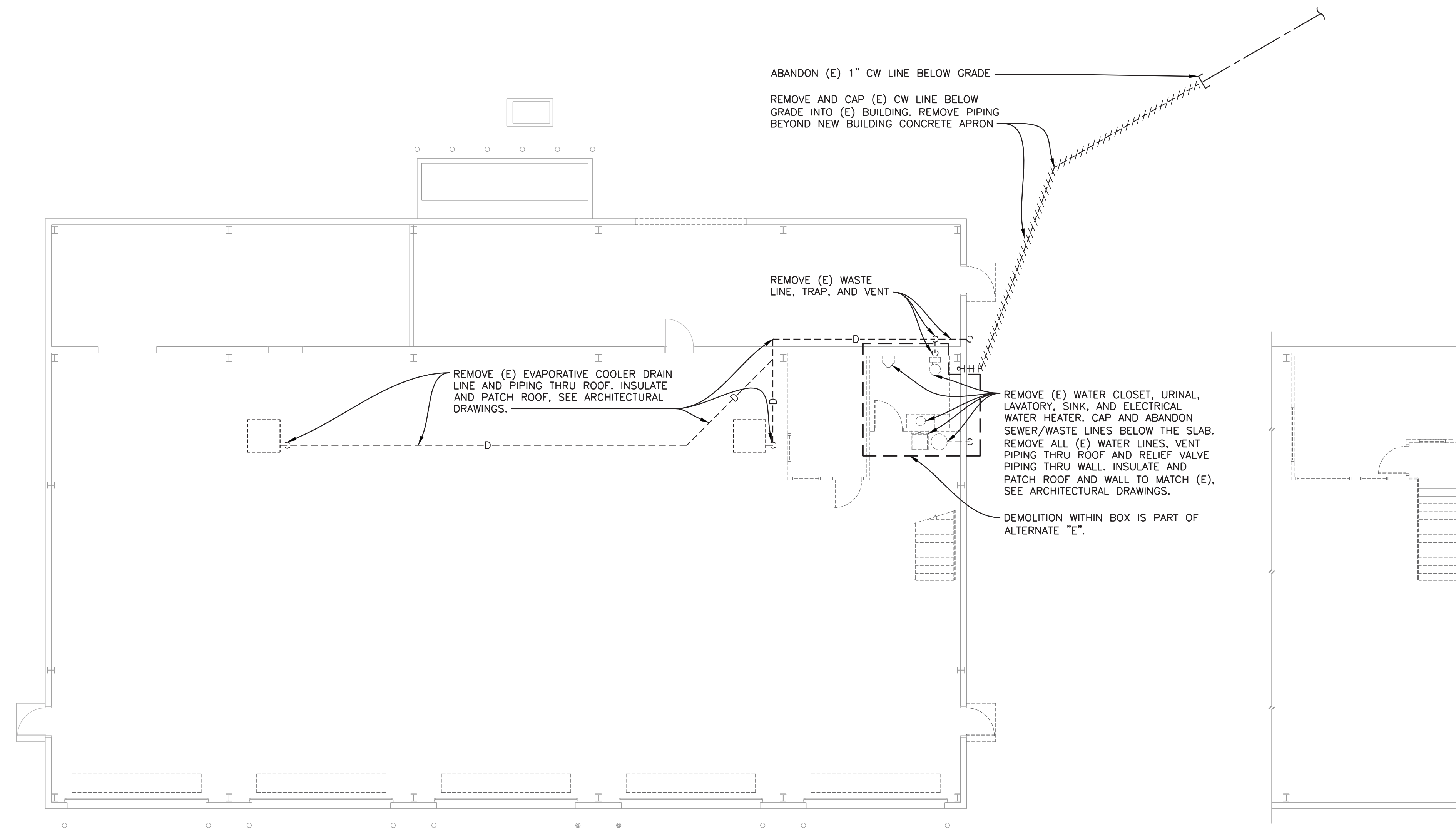
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▲ BUILDING DEPARTMENT COMMENTS
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PLUMBING
 DEMOLITION FLOOR
 PLANS

P1.1



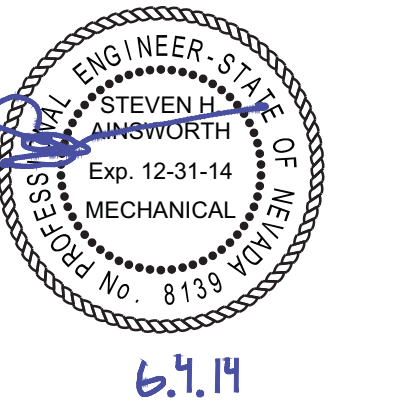
PLUMBING DEMOLITION FLOOR PLANS
 SCALE: 1/8" = 1'-0"

A
 P1.1



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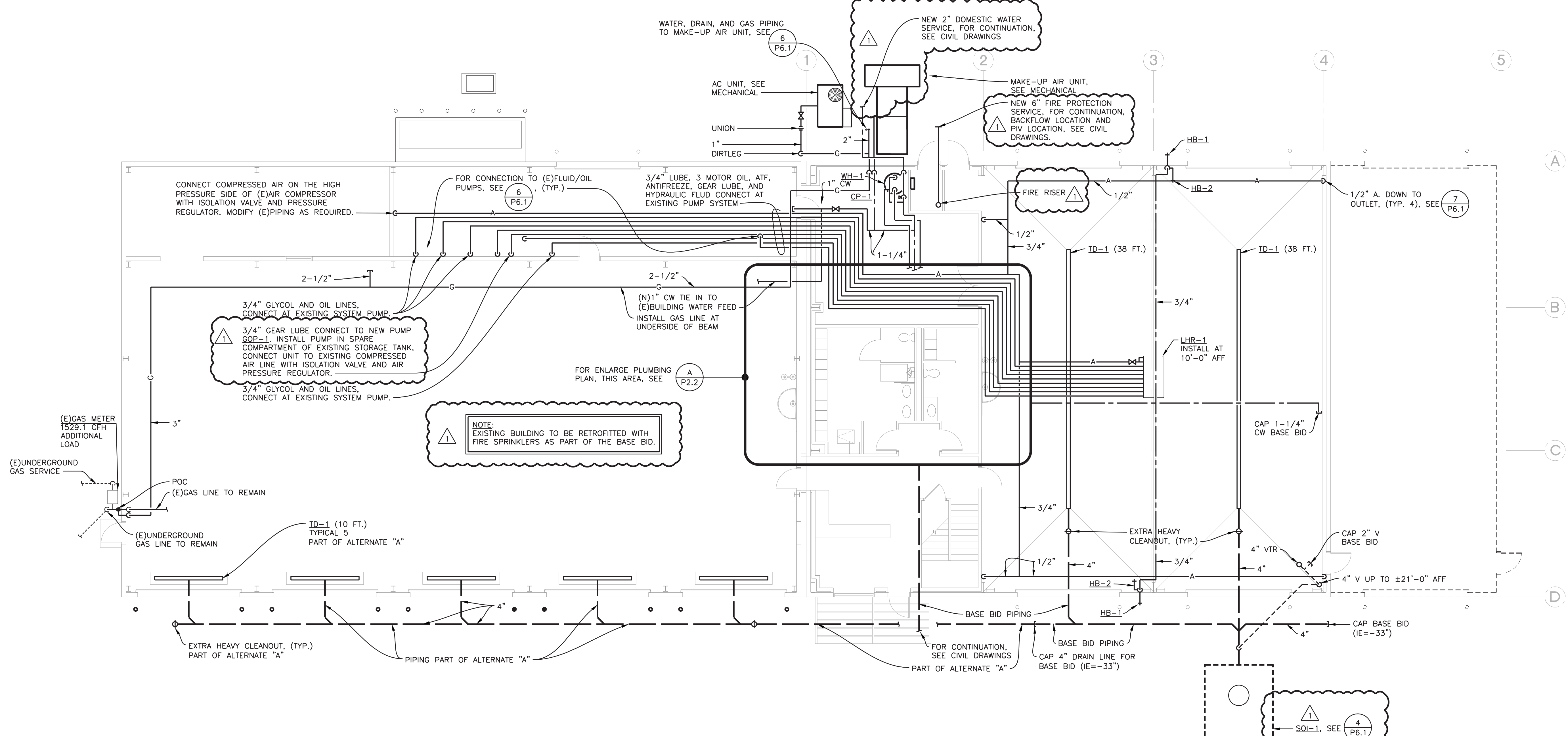
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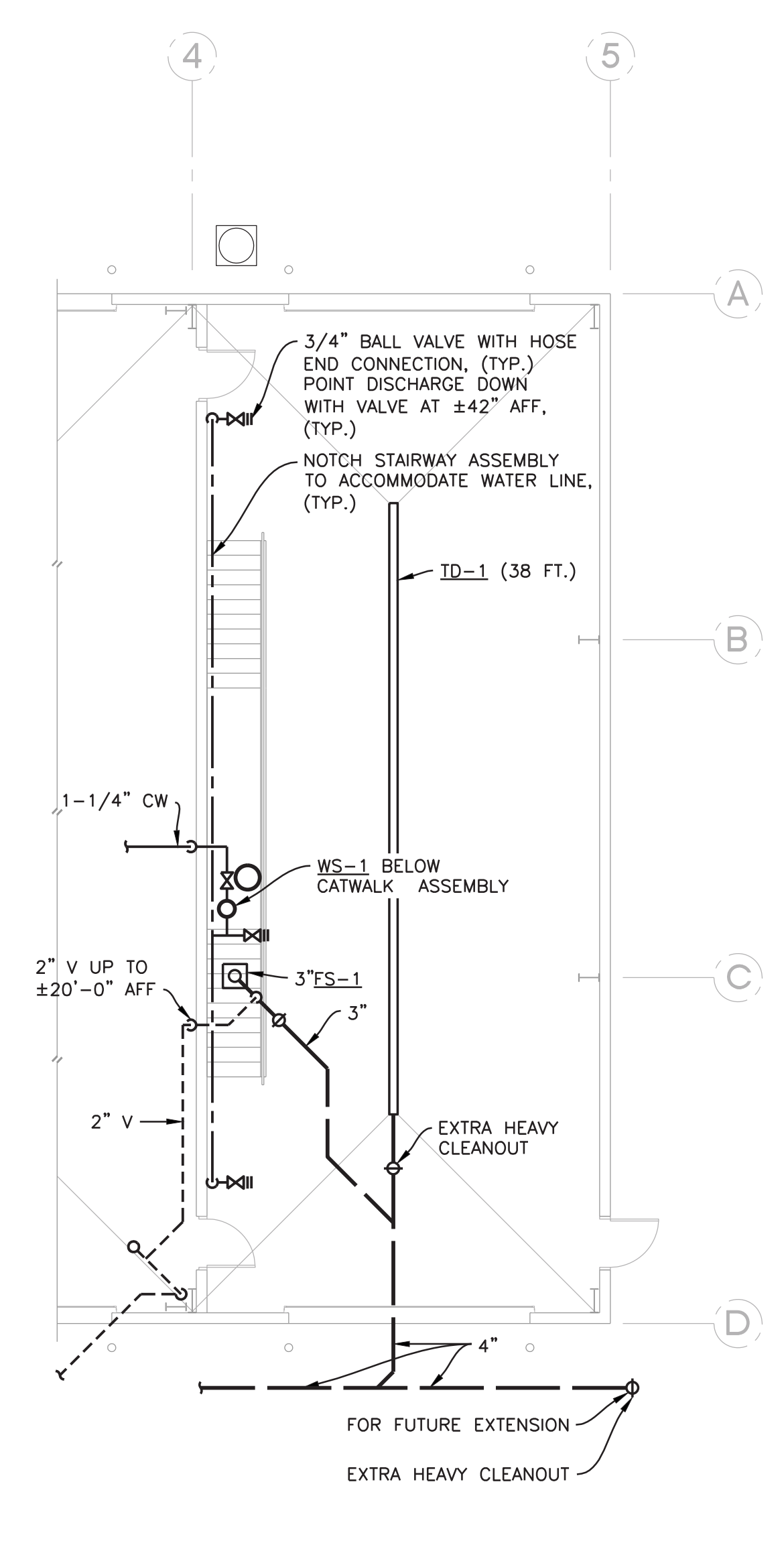
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PLUMBING FLOOR
 PLANS

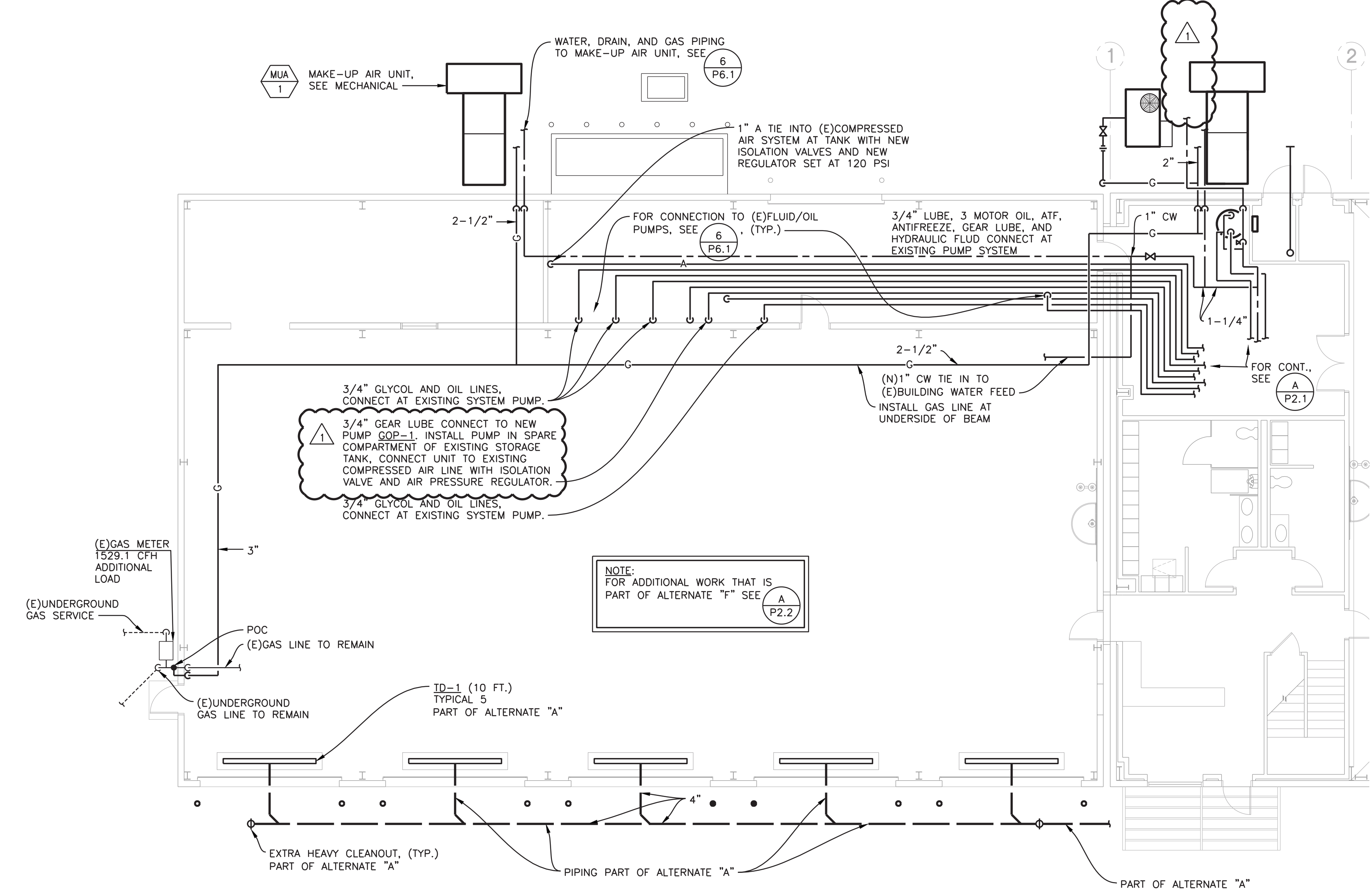
P2.1



PLUMBING FLOOR PLAN - BASE BID
 SCALE: 1/8" = 1'-0"
 A P2.1



PLUMBING FLOOR PLAN ALTERNATE "B"
 SCALE: 1/8" = 1'-0"
 B P2.1



PLUMBING FLOOR PLAN - ALTERNATE "F"
 SCALE: 1/8" = 1'-0"
 C P2.1