

ABBREVIATIONS

Φ - DIAMETER

AASHTO - AMERICAN ASSOCIATION OF STATE
HIGHWAY TRANSPORTATION OFFICIALS

ABC - AGGREGATE BASE COURSE

ASTM - AMERICAN SOCIETY FOR TESTING AND
MATERIALS

AWG - AMERICAN WIRE GAUGE

C.O. - CONTRACTING OFFICER

CON'T - CONTINUED

CL - CENTERLINE

CP - CONTROL POINT

CY - CUBIC YARD

E- EASTING

EL - ELEVATION

ELEV - ELEVATION

ELL - ELBOW

FAA - FEDERAL AVIATION ADMINISTRATION

FACP - FIRE ALARM CONTROL PANEL

FFE - FINISHED FLOOR ELEVATION

FG - FINISHED GROUND

F.H. - FIRE HYDRANT

FL - FLANGE

GA - GAUGE

GAL. - GALLON

GALV - GALVANIZED

GFCI - GROUND FAULT CIRCUIT INTERRUPTER

GFM - GOVERNMENT FURNISHED MATERIAL

GR -GROOVED

GRD - GROUND

GSP - GALVANIZED STEEL PIPE

HDPE - HIGH DENSITY POLYETHYLENE

HORZ - HORIZONTAL

INV. - INVERT

LF - LINEAR FEET

MANF. - MANUFACTURER

M.U.T.C.D. - MANUAL ON UNIFORM TRAFFIC
CONTROL DEVICES

MAX. - MAXIMUM

MBH - THOUSAND BTU PER HOUR

MIN. - MINIMUM

N - NORTHING

N.I.C. - NOT IN CONTRACT

N.T.S. - NOT TO SCALE

O.C. - ON CENTER

OPS - OPERATIONS

PED. - PEDESTRIAN

PNT - POINT

R - RADIUS

REQ'D - REQUIRED

ROW - RIGHT OF WAY

S.F. - SQUARE FOOT

SCH - SCHEDULE

STA - STATION

STL - STEEL

SWBD - SWITCHBOARD

TL - TAXI LANE

TYP - TYPICAL

WWF - WELDED WIRE FABRIC

W/ - WITH

XFMR - TRANSFORMER

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LEGEND SHEET
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BUILDING ELEVATIONS
BUILDING SECTIONS
BUILDING SECTIONS
WALL SECTIONS
WALL SECTIONS
WALL SECTIONS
ROOF PLAN
ENLARGE RESTROOM PLAN
ROOM/DOOR/WINDOW SCHEDULES
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INTERIOR ELEVATIONS
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GENERAL NOTES
STANDARD DETAILS
FOUNDATION PLAN
ROOF FRAMING PLAN
LATERAL BRACING PLAN & WALL ELEVATION
ROOF TRUSSES
FOUNDATION DETAILS
???
WALL AND ROOF SECTIONS & DETAILS
WALL AND ROOF SECTIONS & DETAILS
WALL AND ROOF SECTIONS & DETAILS
ROOF AND CANOPY SECTIONS & DETAILS
CANOPY SECTIONS AND DETAILS

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HOT & COLD WATER SUPPLY PLAN
HOT & COLD WATER SUPPLY ISOMETRIC
WASTE & VENT PLAN
WASTE & VENT ISOMETRIC
NATURAL GAS PIPING PLAN

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RECEPTACLE/POWER PLAN
LIGHTING PLAN
COMMUNICATION PLAN
FIRE PROTECTION PLAN
SCHEDULES & DETAILS
SCHEDULES & DETAILS
ELECTRICAL SITE PLAN

49

TOTAL SHEETS THIS CONTRACT

GENERAL NOTES

1. CONTRACTOR MAY STAGE ADJACENT TO THE PROJECT SITE AT LOCATIONS DESIGNATED BY THE C.O.
2. CONNECTION TO ON-SITE WATER AND SEWER AS SHOWN ON CIVIL SHEETS C-1 THROUGH C-3.
3. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL DETERMINE THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES DESIGNATED TO REMAIN AND SHALL PROTECT THEM DURING CONSTRUCTION.

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE



R-1

NORTHERN REGION

Revision

1

By

B.CROCKETT-RI

Date

MAY 2002

HALF SIZE
DRAWINGS

SCALE SHOWN ARE FOR FULL SIZE
(22"x 34") DRAWINGS

Drawn

A.TSUNEMORI-RI

Design

A.TSUNEMORI-RI

Checked

B.CROCKETT-RI

Reviewed

B.CROCKETT-RI

Region One

AERIAL FIRE DEPOT

Project Name

MISSOULA ATB
AIR OPERATIONS BLDG.

Sheet Title

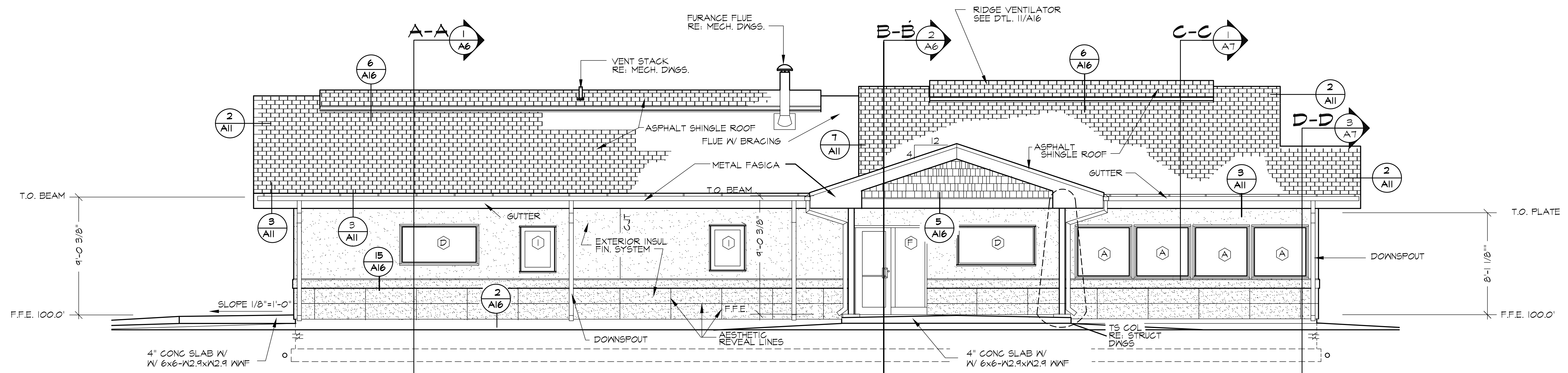
LEGEND/
INDEX of DRAWINGS

Scale

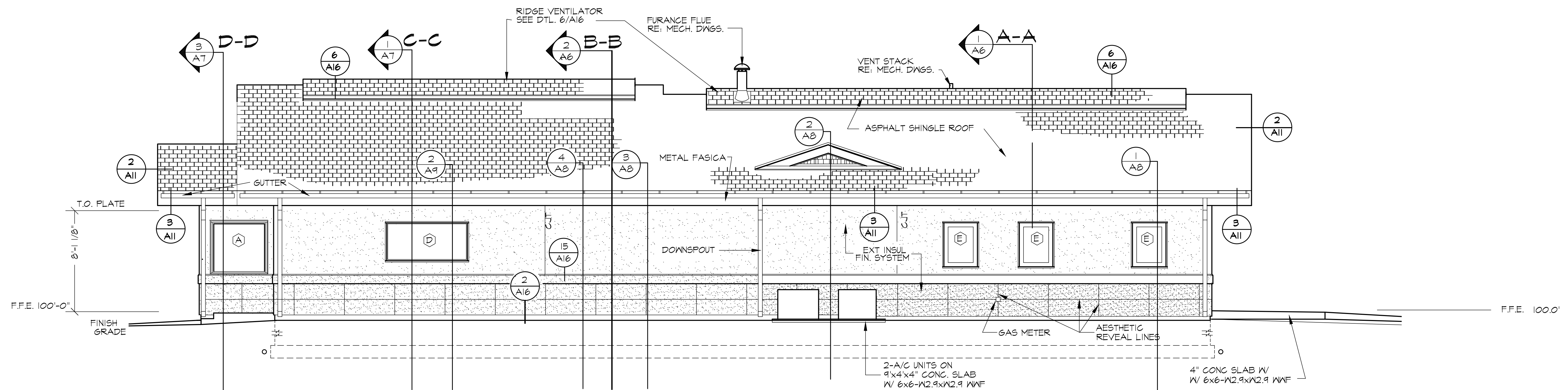
AS SHOWN

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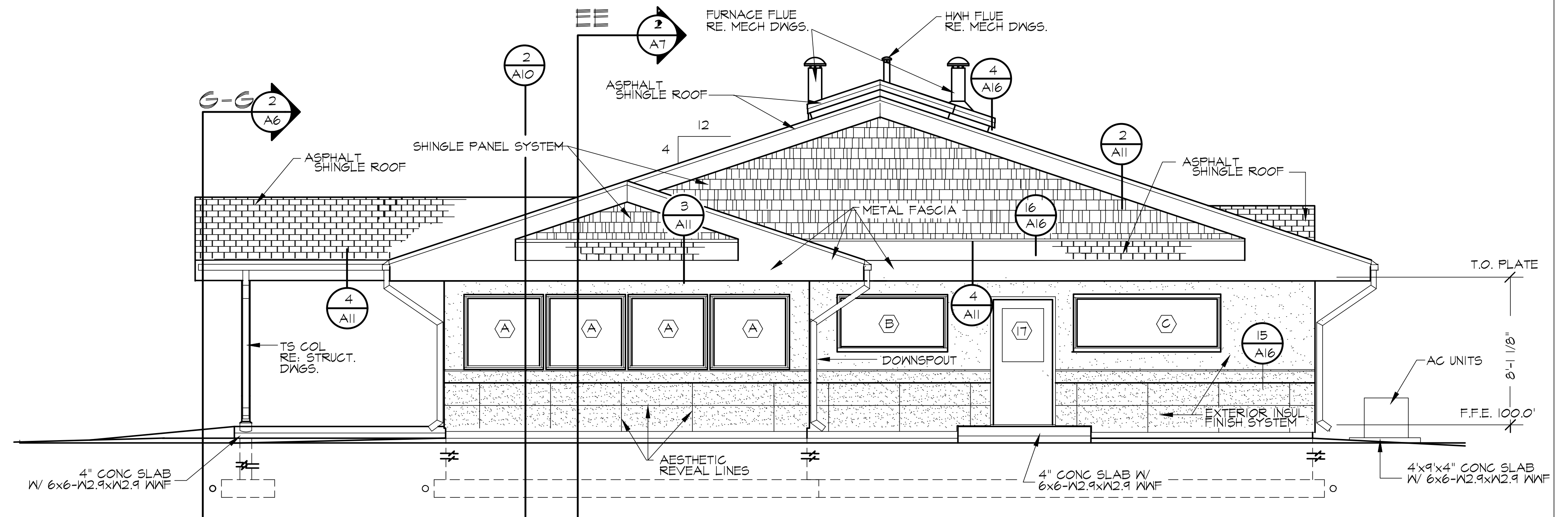
EAST ELEVATIONS
1/4"=1'-0"



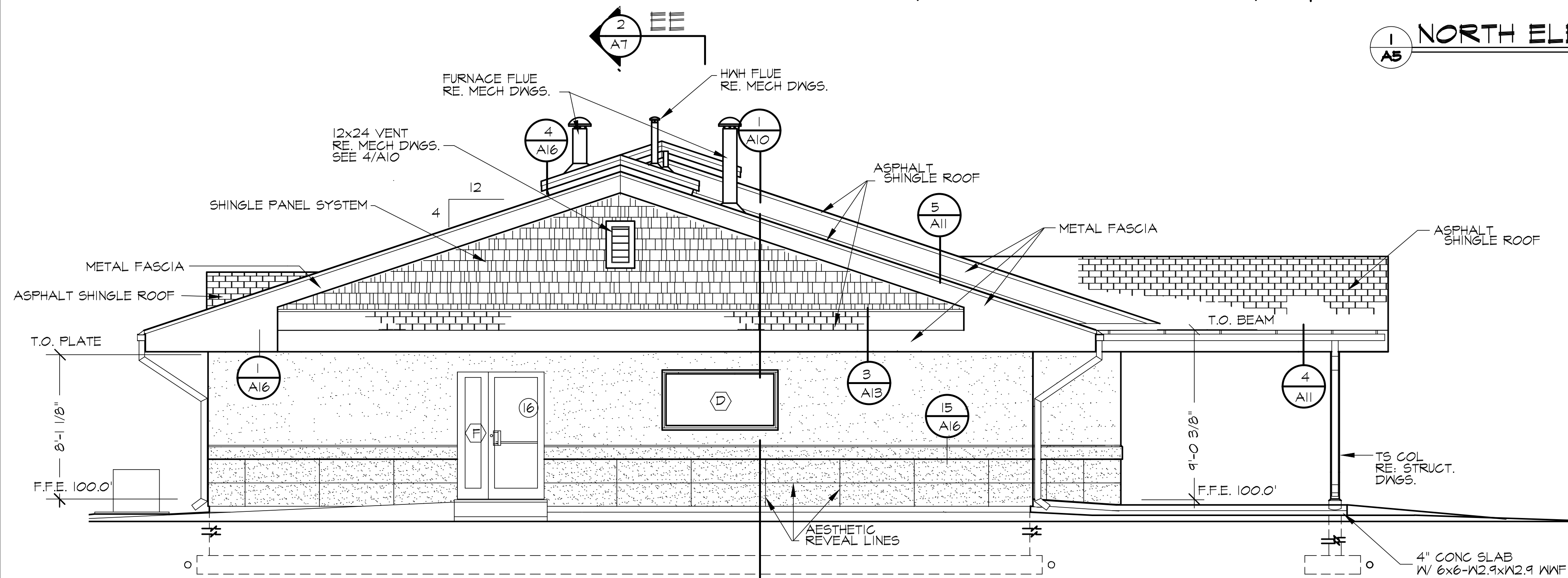
WEST ELEVATION
1/4"=1'-0"

NOTE: FINISH FLOOR ELEVATION (F.F.E.) 100.0'=93.00' SHOWN ON CIVIL





1 NORTH ELEVATION
1/4"=1'-0"

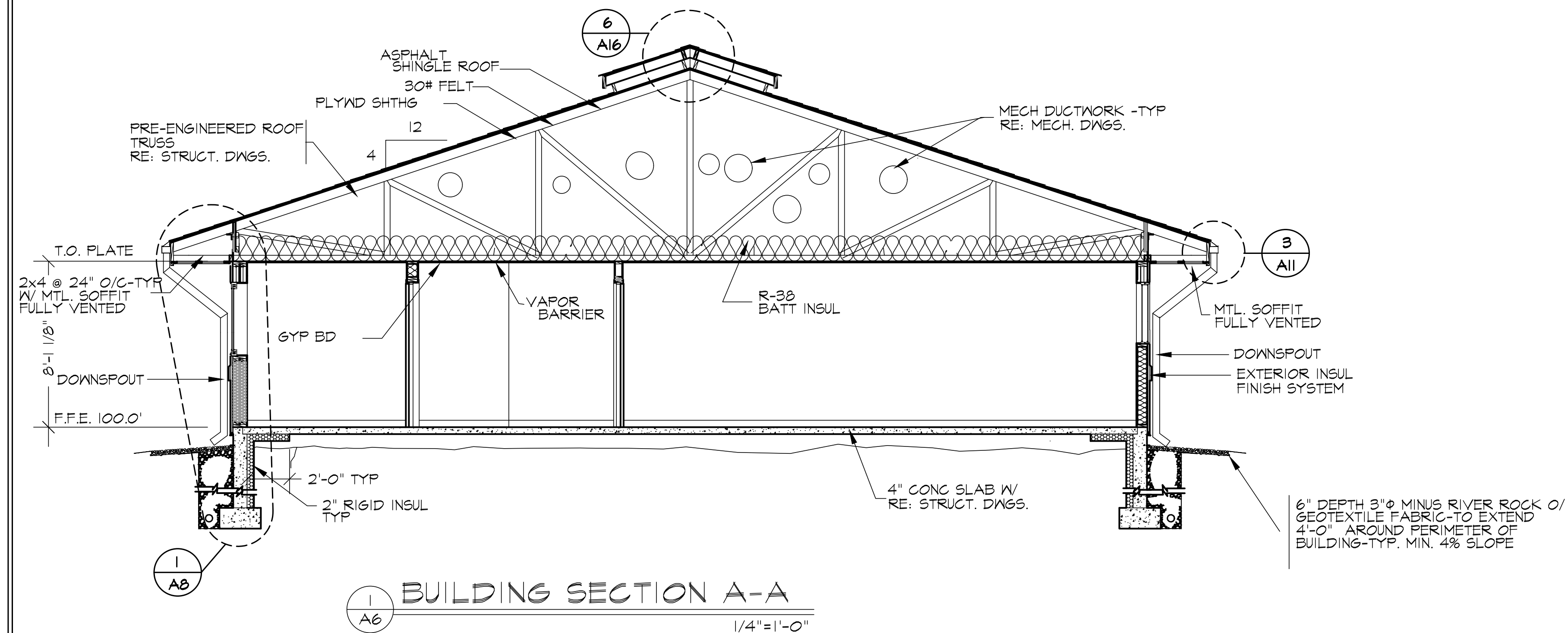


2 SOUTH ELEVATION
1/4"=1'-0"

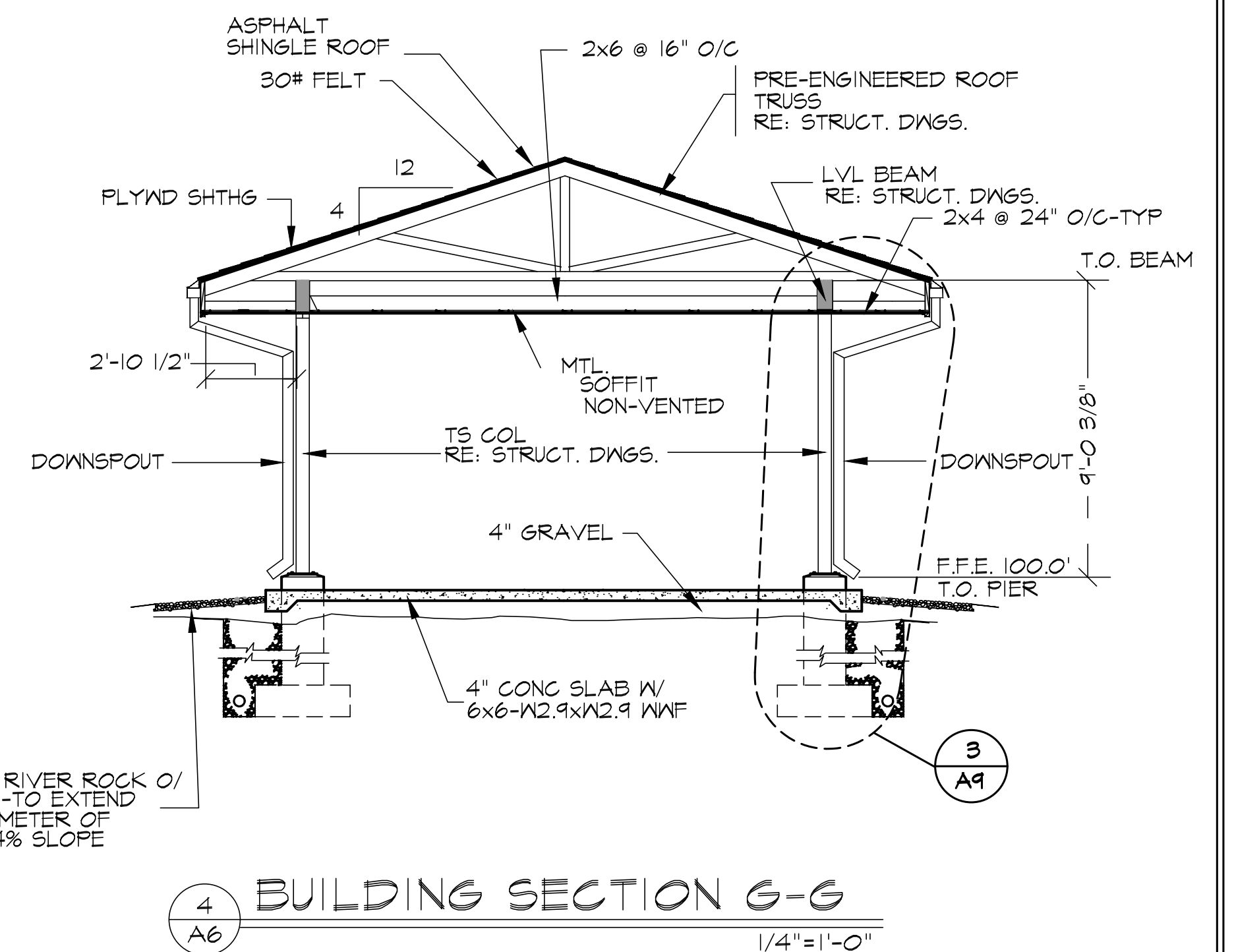
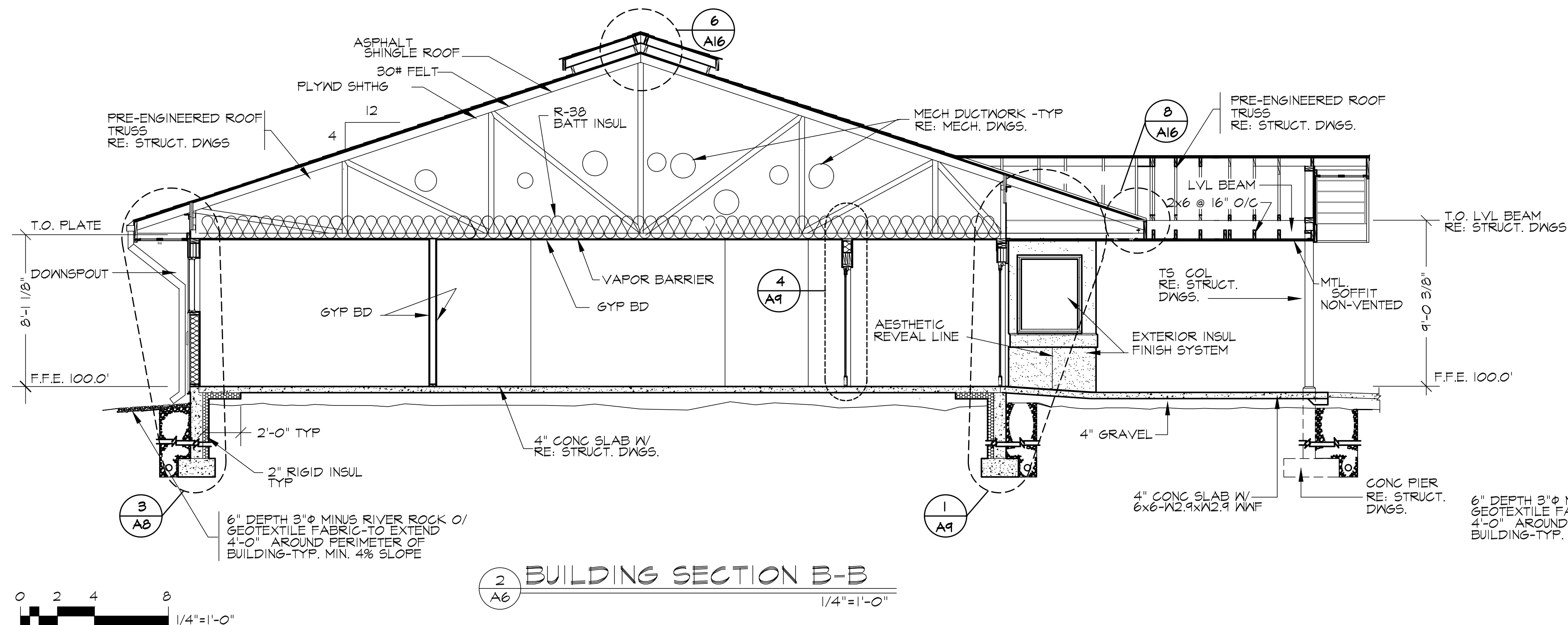
NOTE: SHINGLE PANEL SYSTEM STATED ON THIS SHEET AS WELL AS OTHERS REFERS TO A POLYPROPYLENE CEDAR SHINGLE SIDING - SEE SPECIFICATIONS

NOTE: FINISH FLOOR ELEVATION (F.F.E.) 100.0'=43.00' SHOWN ON CIVIL

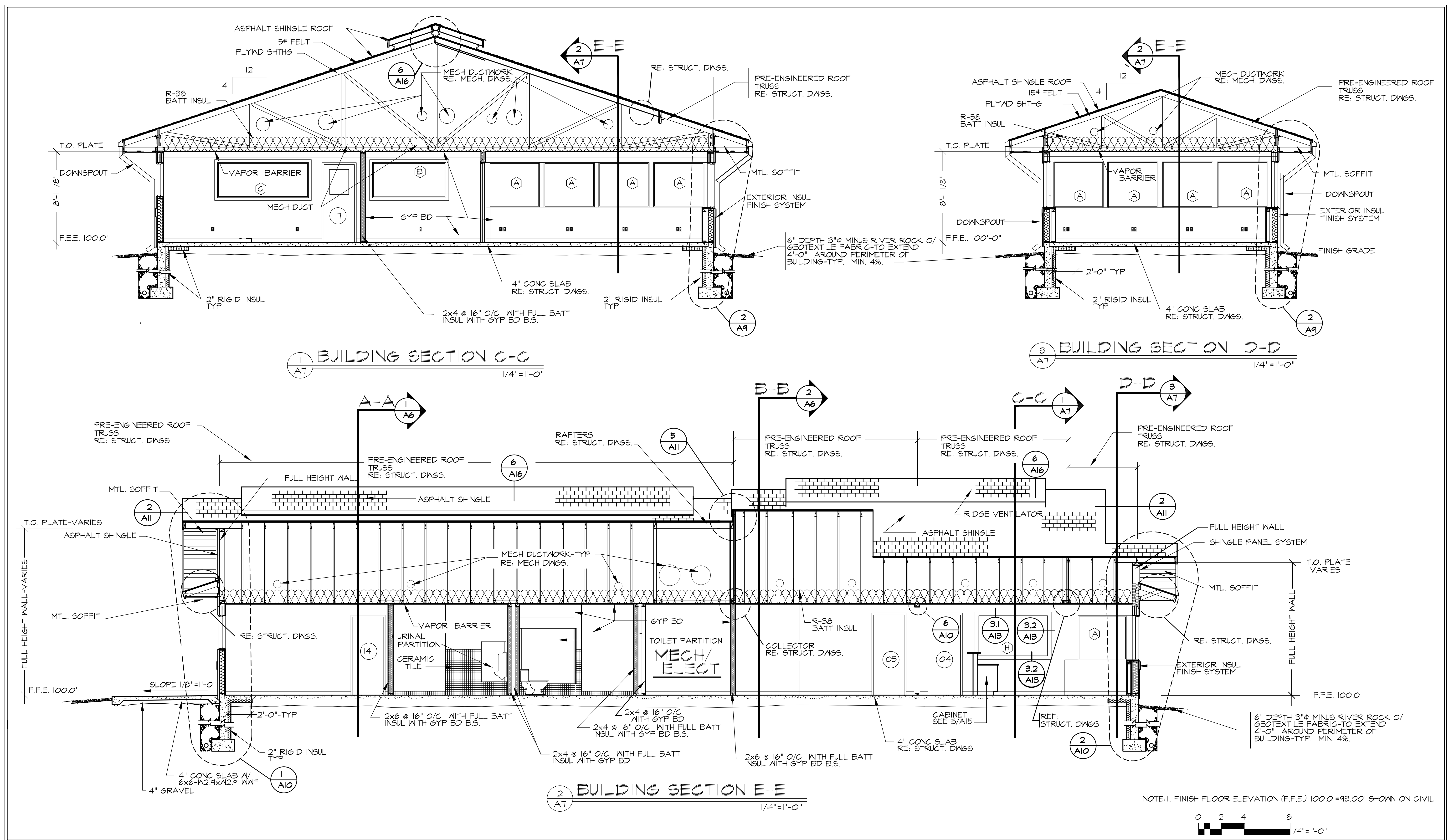


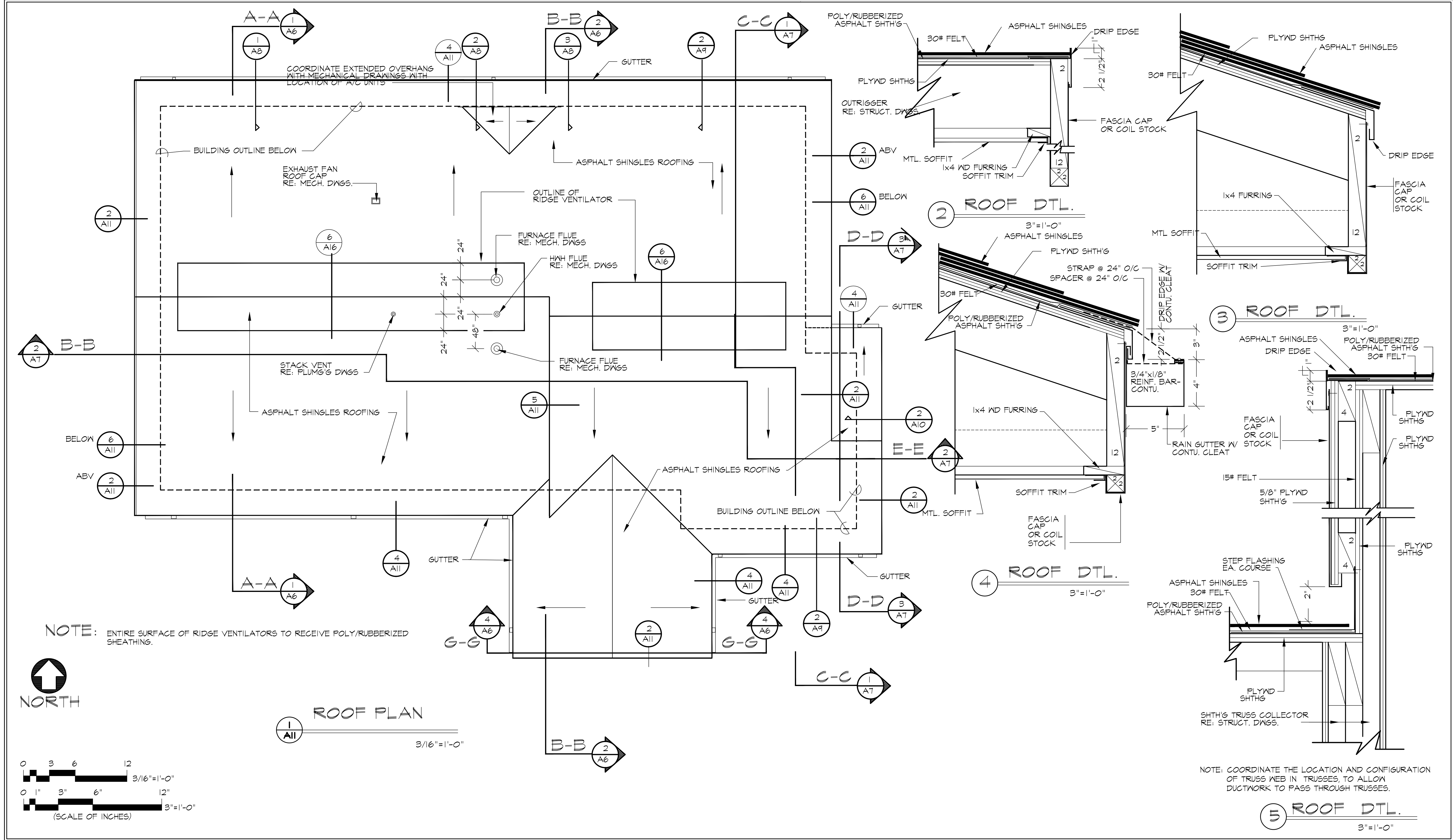


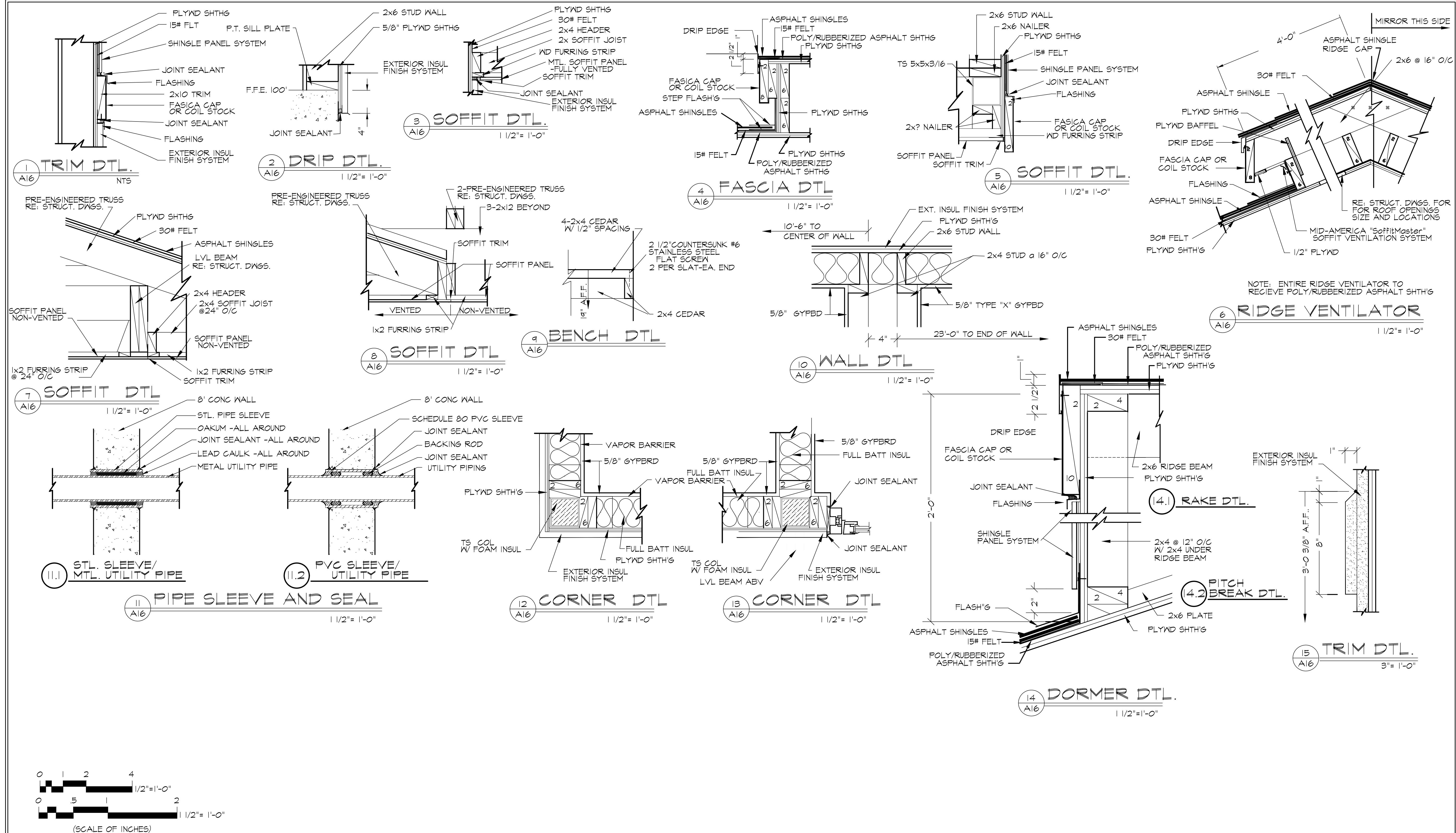
NOTE: FINISH FLOOR ELEVATION (F.F.E.) 100.00'=XXXX.X'



FINISH FLOOR ELEVATION (F.F.E.) 100.00'=93.00' SHOWN ON CIVIL







U.S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE



R-1

NORTHERN REGION

HALF SIZE
DRAWINGSSCALE SHOWN ARE FOR FULL SIZE
(22" x 34") DRAWINGS

Drawn L.DEEDS-R2

Design L.DEEDS-R2

Checked B.GROCKETT-RI

Reviewed E.GILLILAND-WO

Region One

AERIAL FIRE DEPOT

Project Name

MISSOULA ATB
AIR OPERATIONS BLDG.

Sheet Title

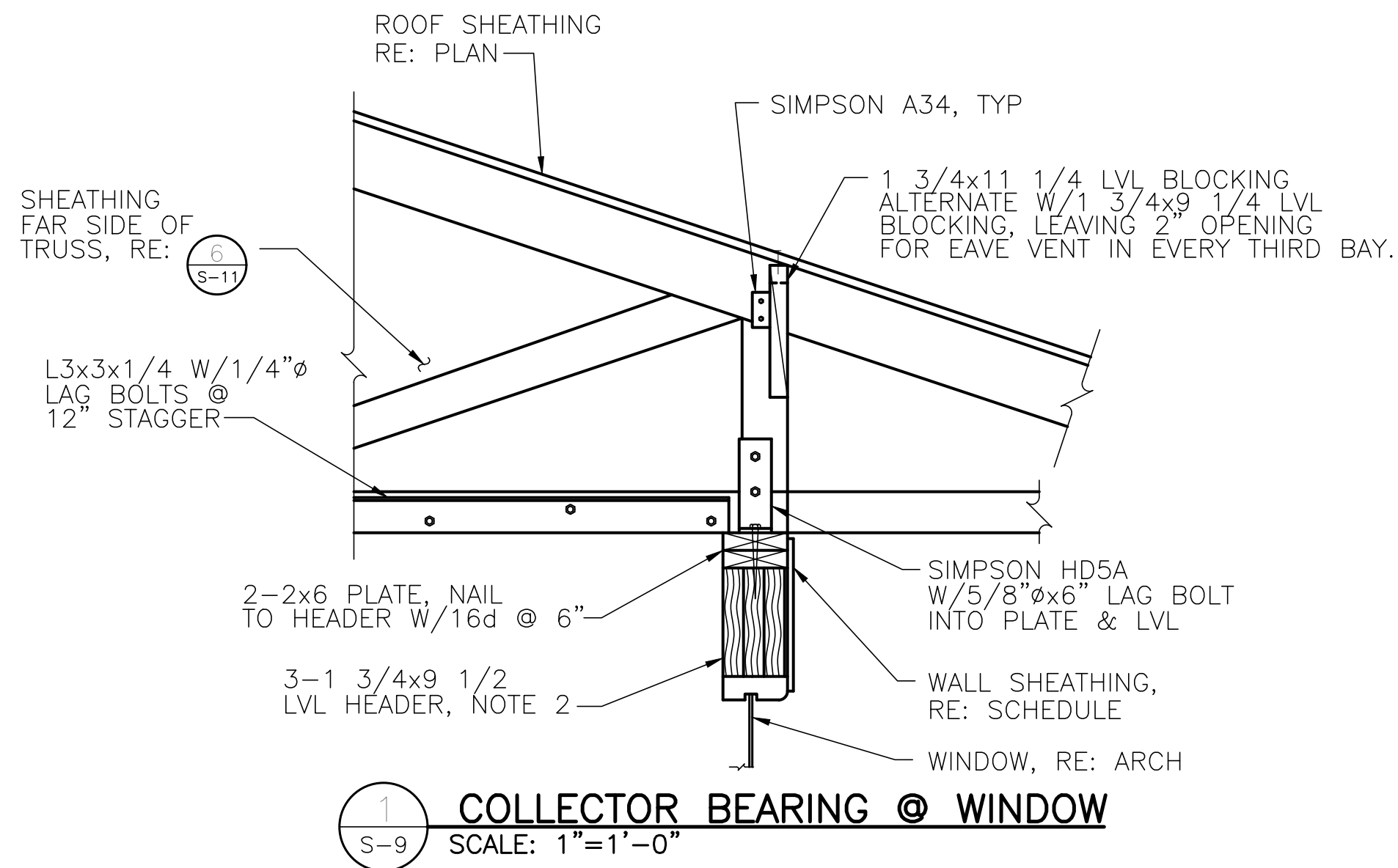
MISCELLANEOUS DTLs.

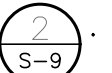
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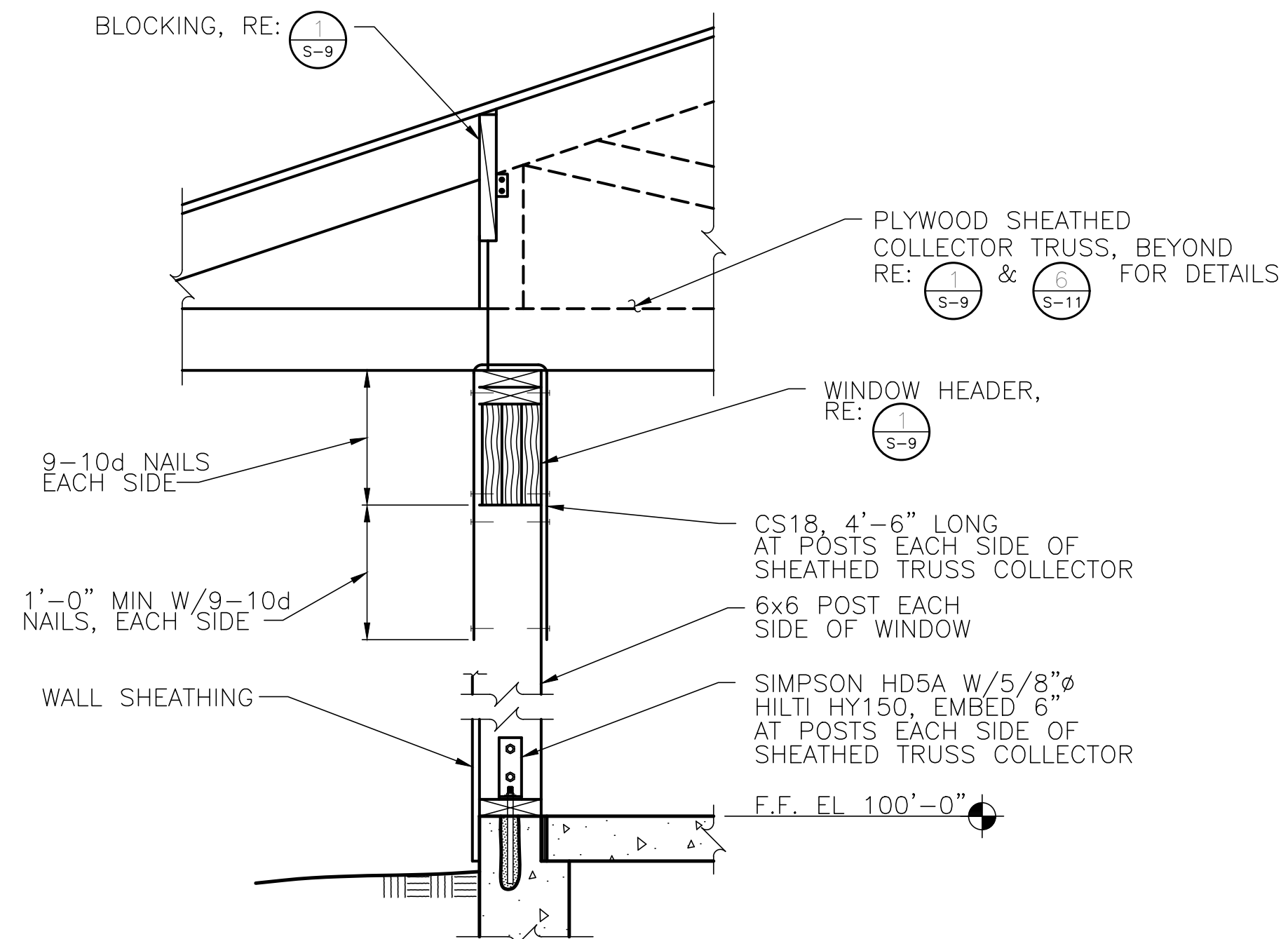
AS SHOWN


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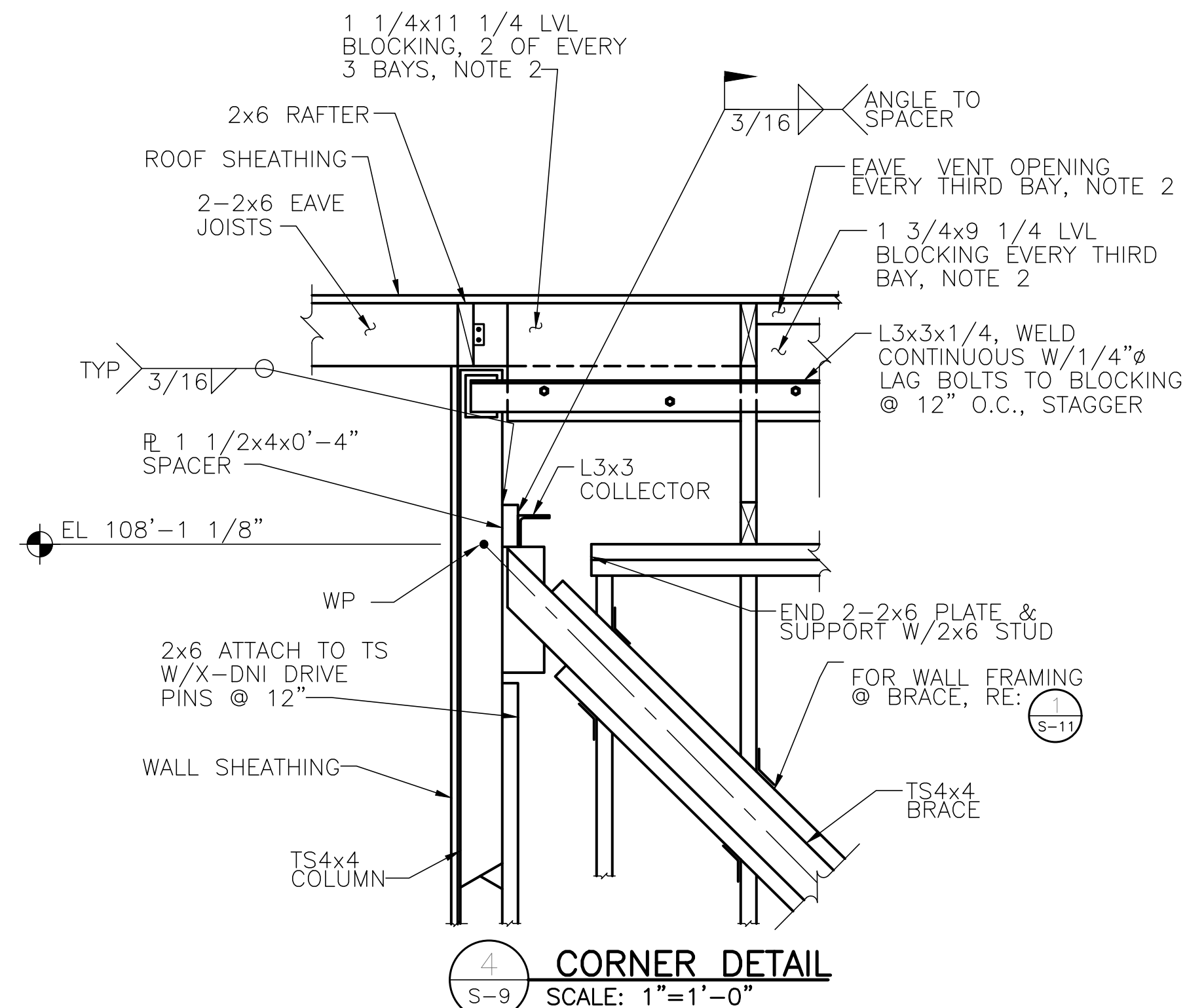
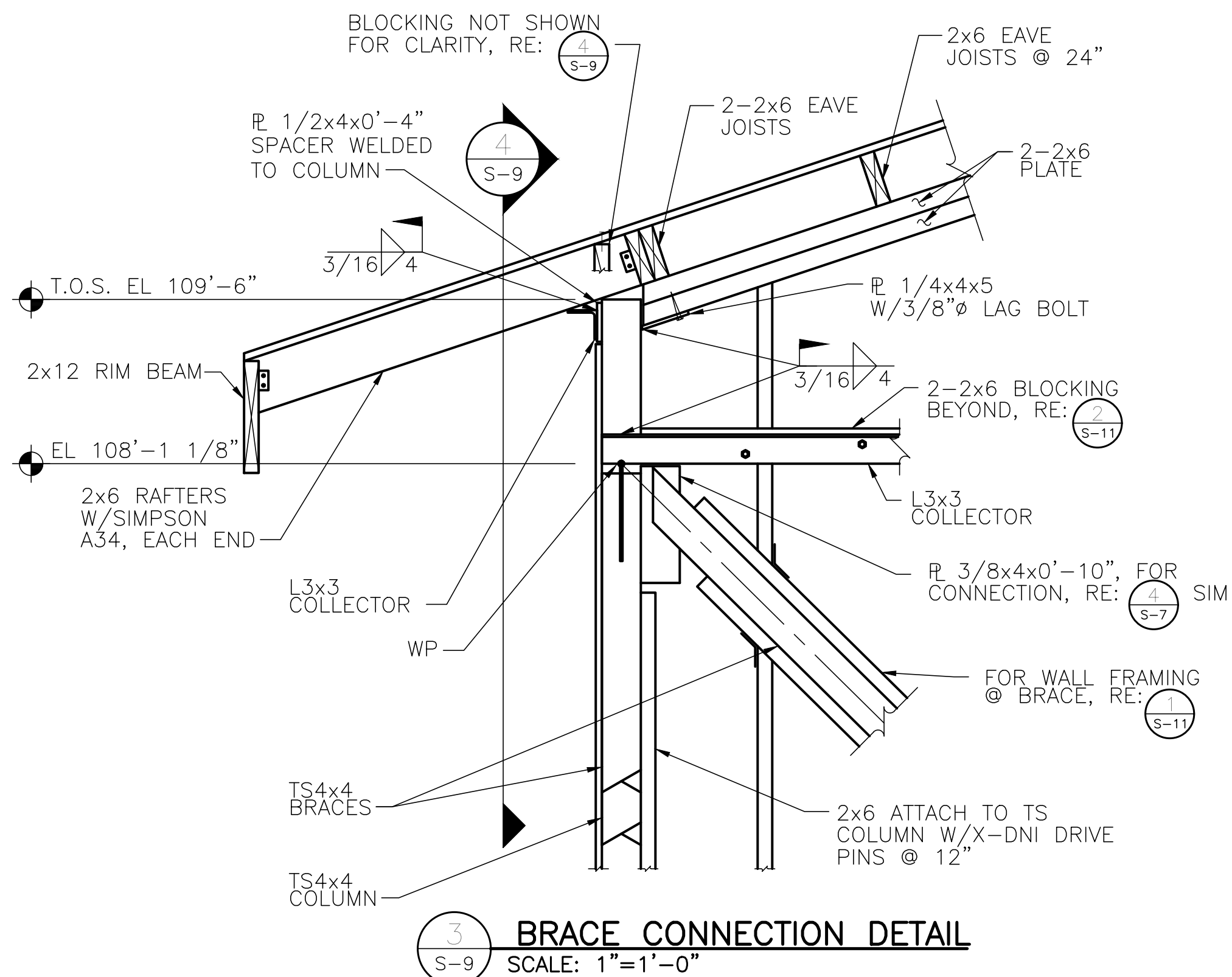
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- NOTE:
1. FOR HEADER TO POST-TIE DOWN STRAPS, RE:  S-9.
 2. 3-LVL HEADERS REQUIRED UNDER COLLECTOR TRUSS ONLY. FOR OTHER LOCATIONS, RE: SCHEDULE.

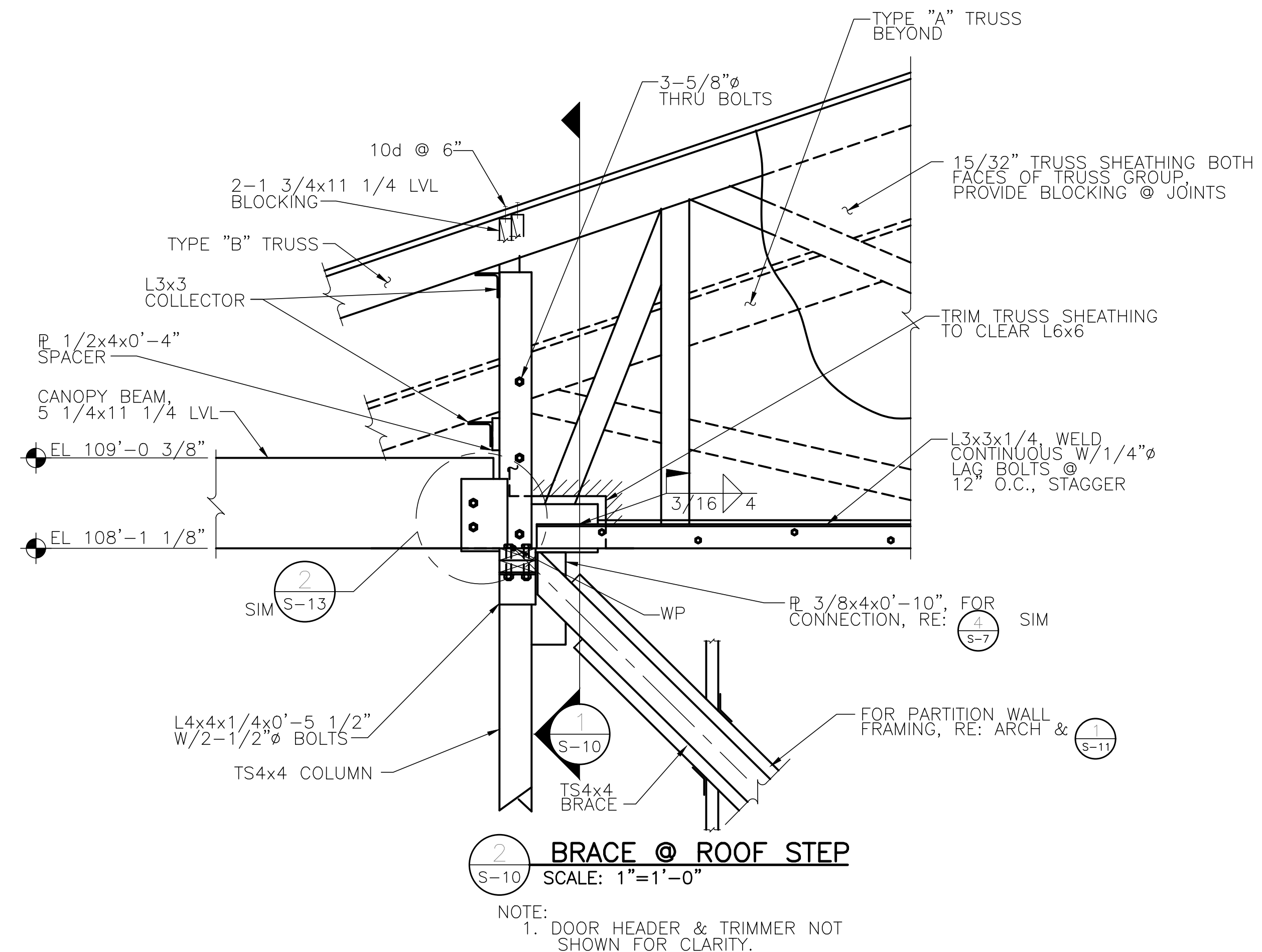
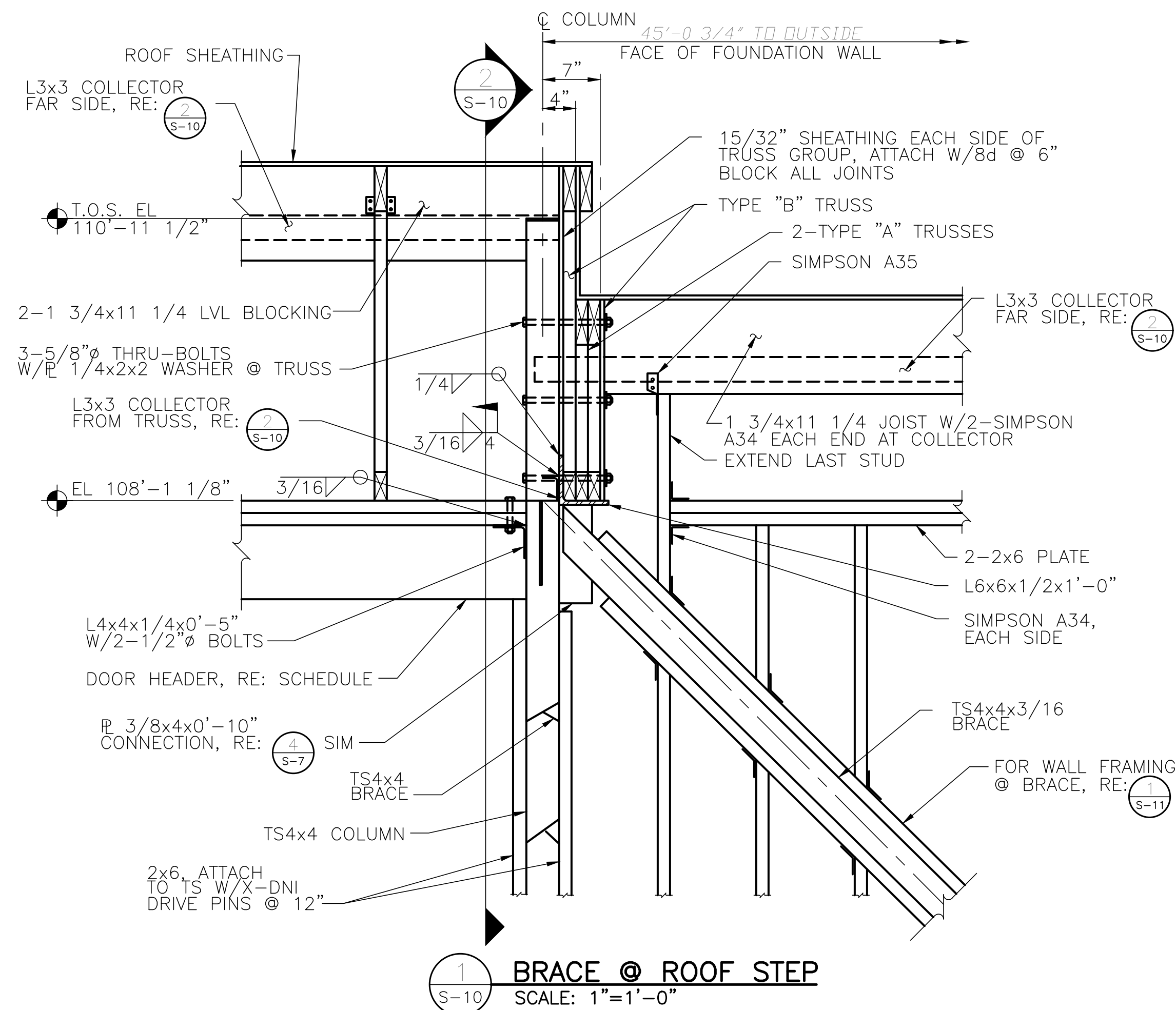


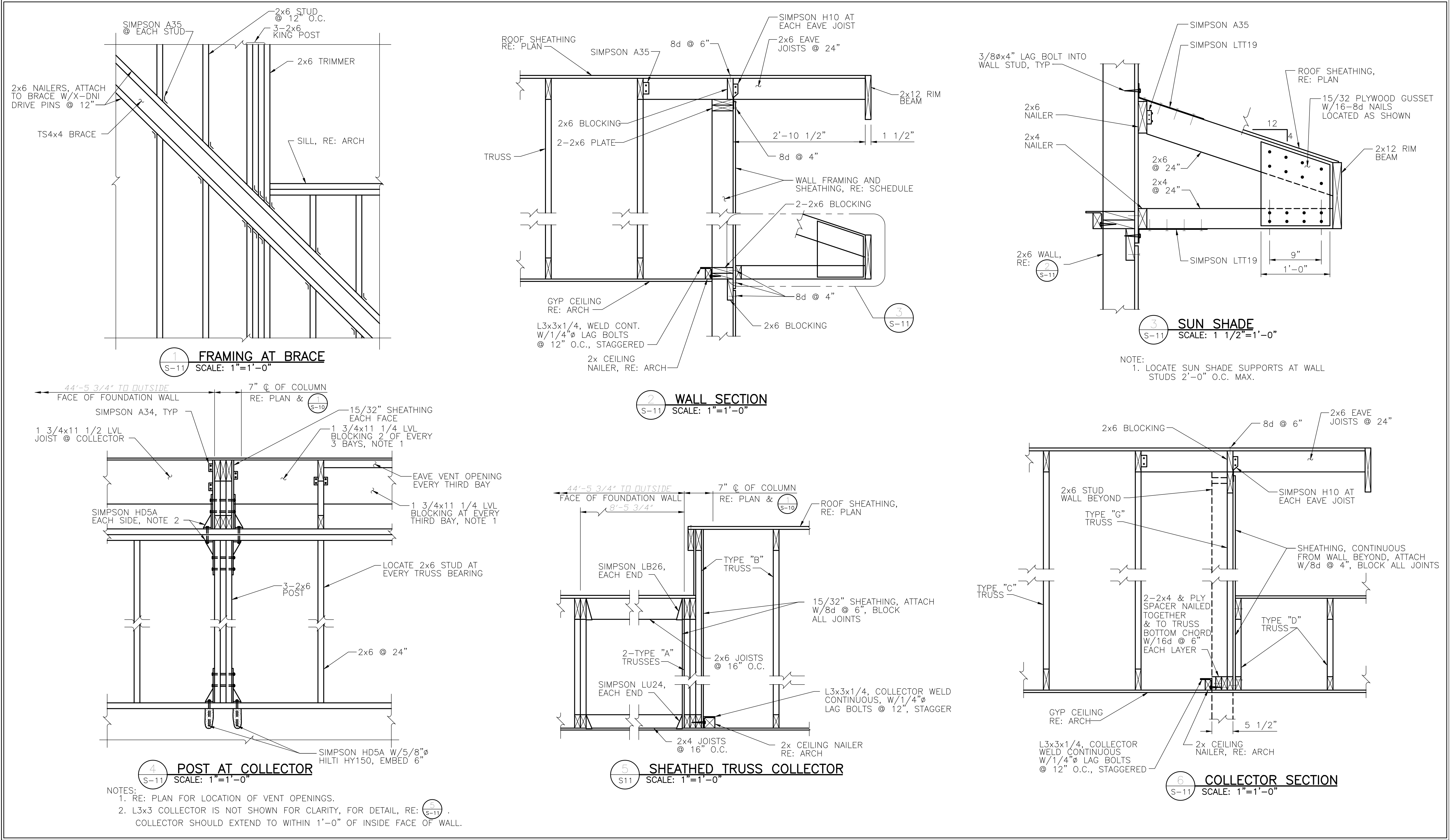
 S-9 **HEADER TIE-DOWN @ SHEATHED TRUSS COLLECTOR**
SCALE: 1"=1'-0"

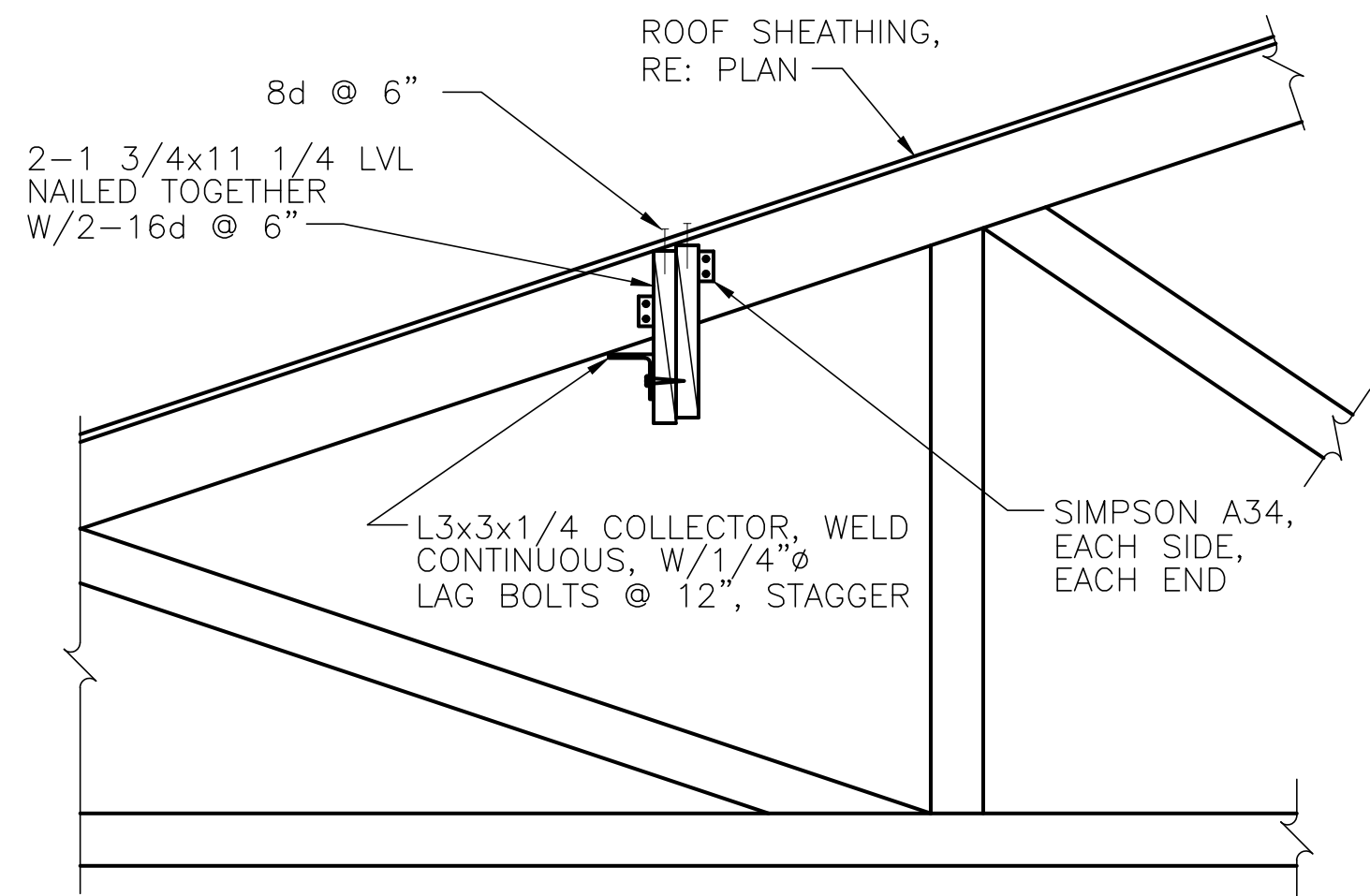


- NOTES:
1. FOR BRACE AND COLLECTOR CONNECTIONS, RE:  S-9.
 2. RE: PLAN FOR LOCATIONS OF VENT OPENINGS.
 3. SUN SHADE NOT SHOWN FOR CLARITY, RE:  S-11.



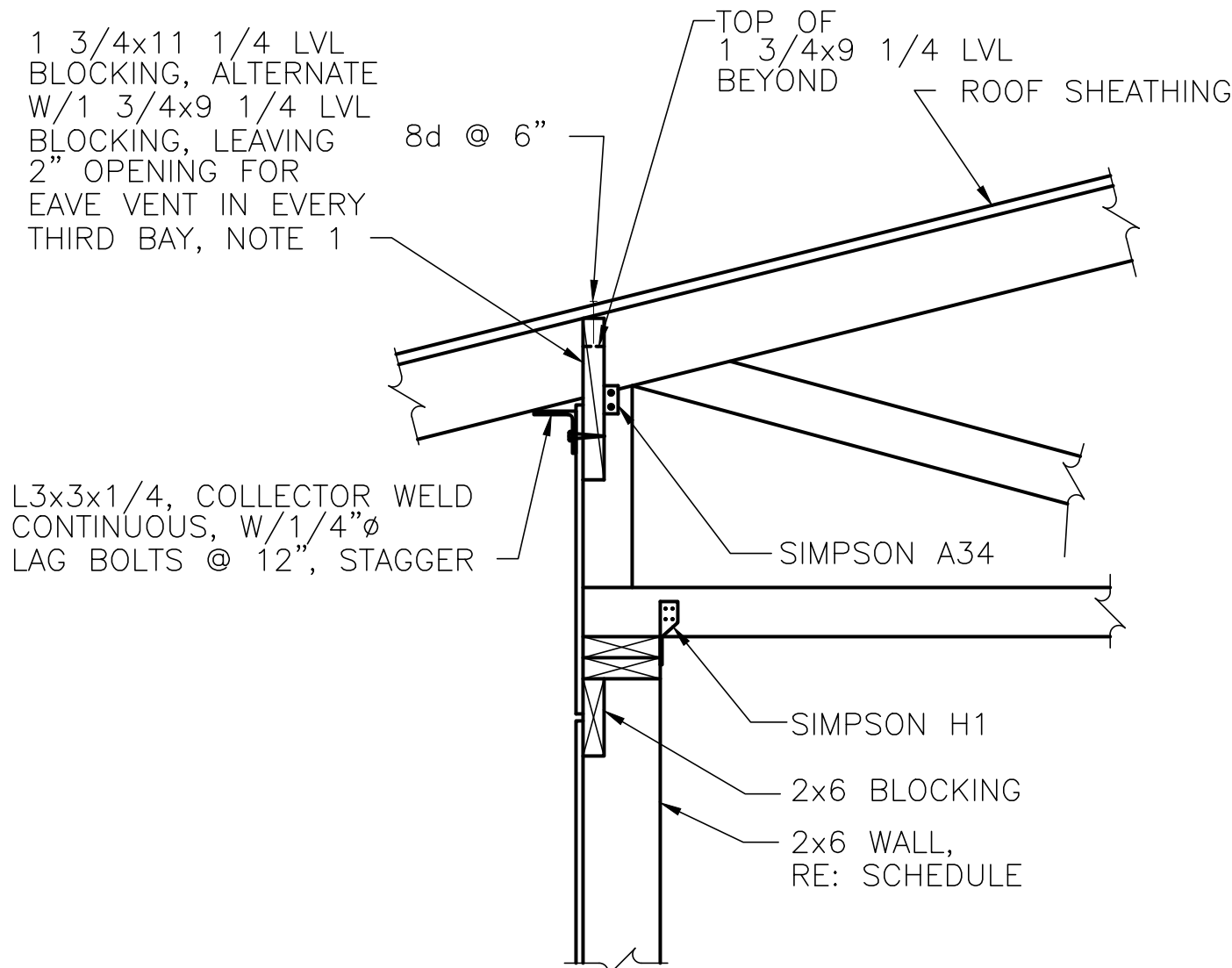






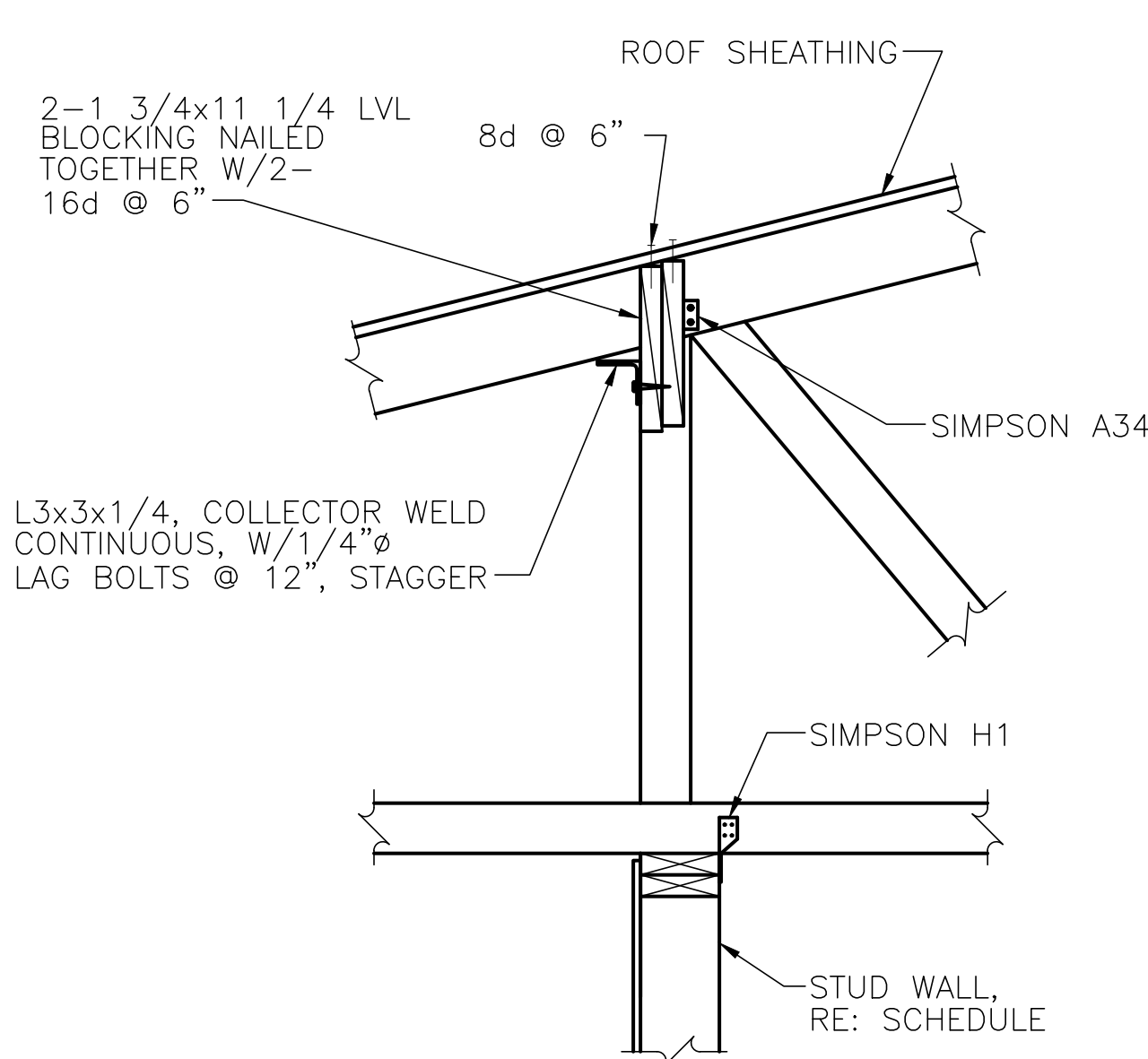
1 STRAP & BLOCKING COLLECTOR
S-12 SCALE: 1"=1'-0"

NOTE:
1. TRUSS MUST BE DESIGNED TO ALLOW
INSTALLATION OF L3x3 COLLECTOR.



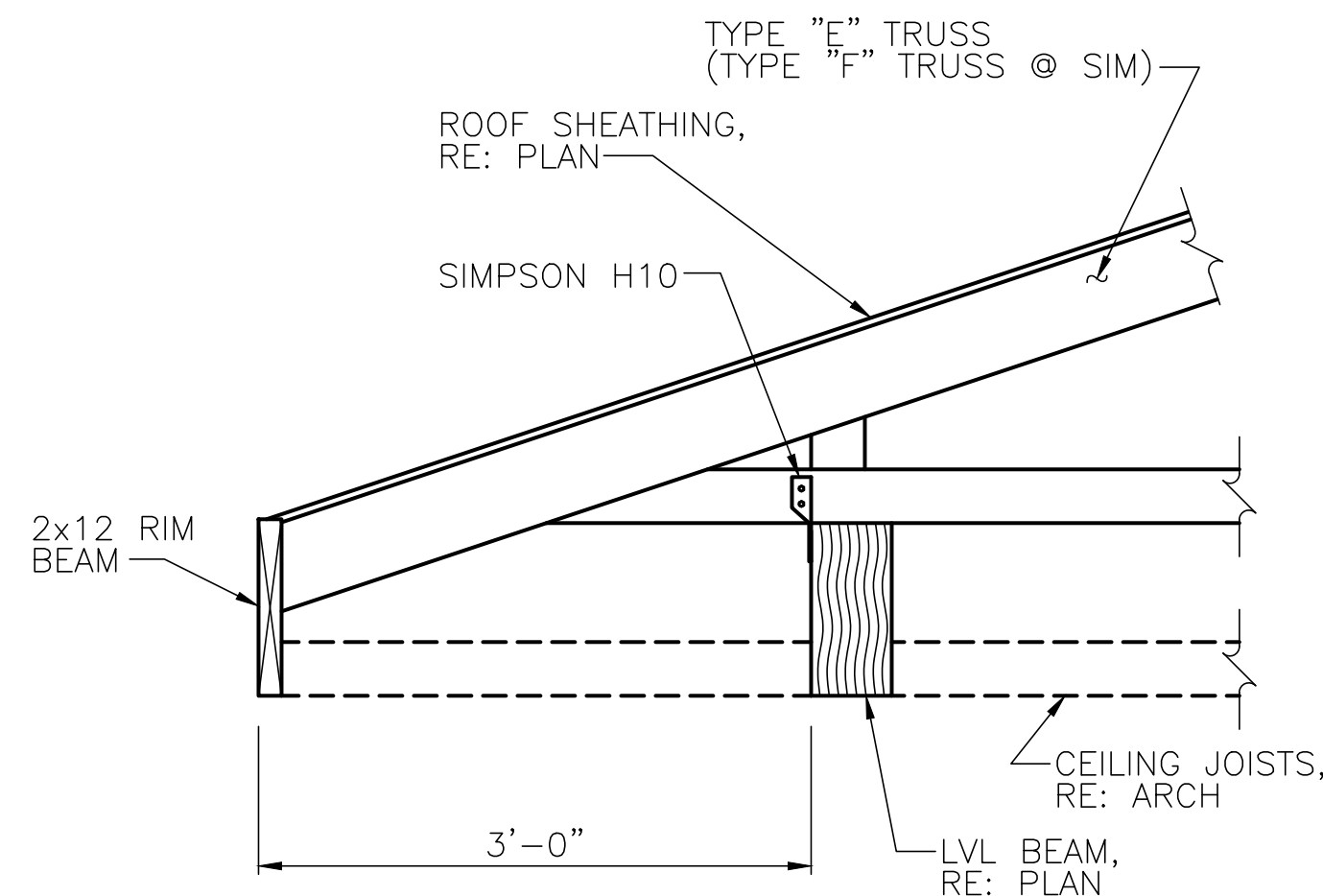
2 BLOCKING AND COLLECTOR
S-12 SCALE: 1"=1'-0"

NOTE:
1. RE: PLAN FOR LOCATION OF VENT OPENINGS.

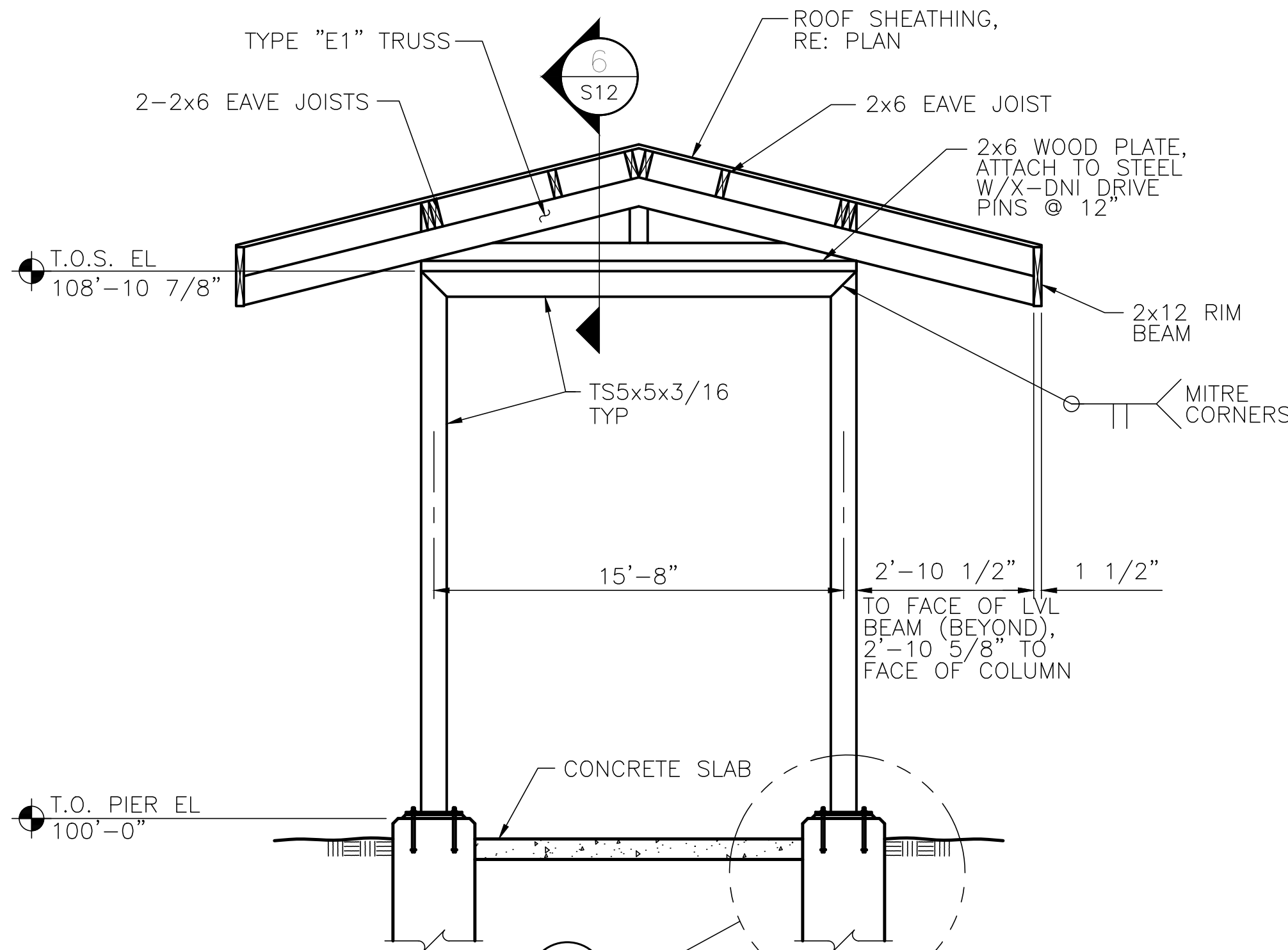


3 BLOCKING AND COLLECTOR @ TYPE "B" TRUSSES
S-12 SCALE: 1"=1'-0"

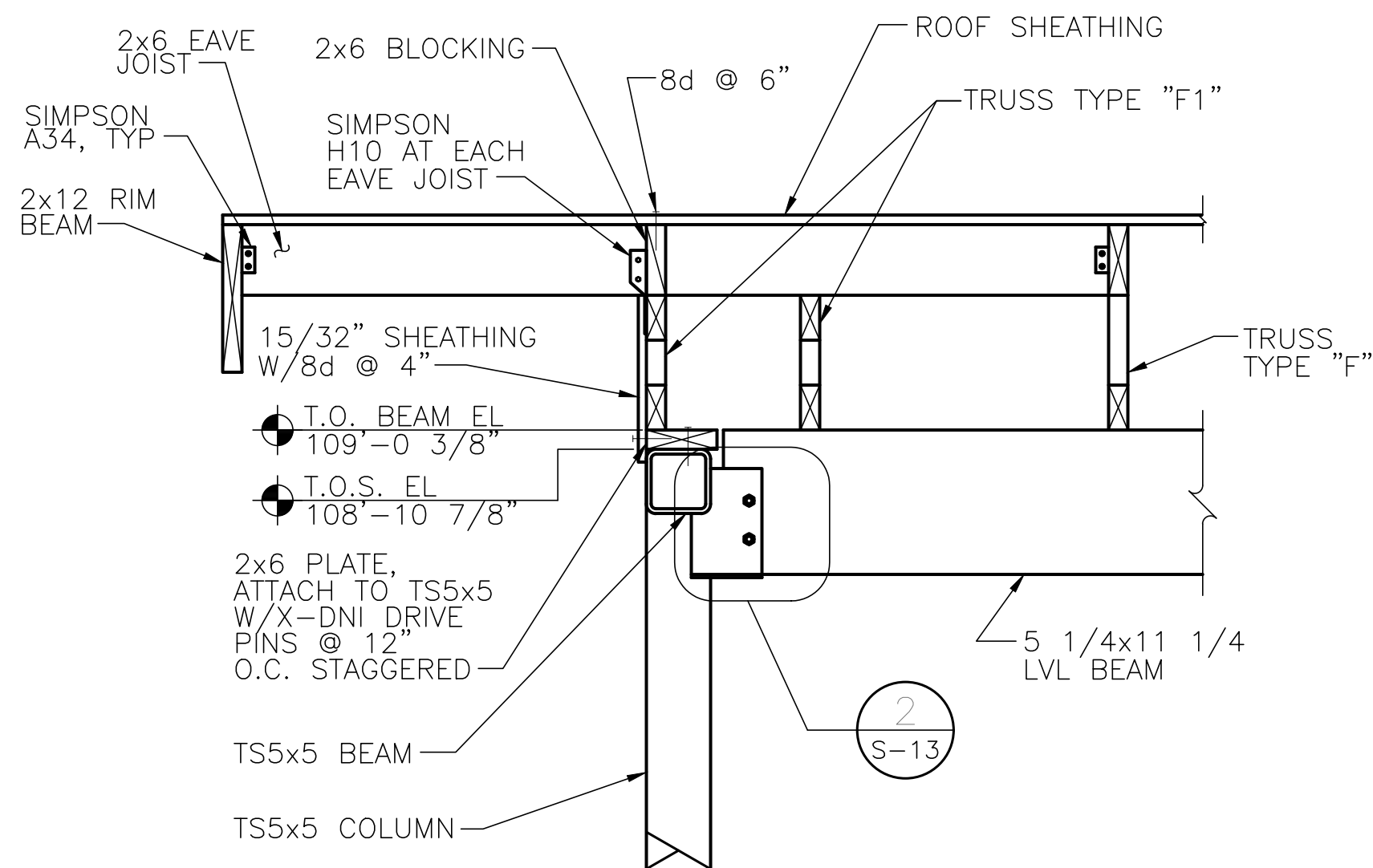
NOTE:
1. TRUSS MUST BE DESIGNED TO ALLOW
INSTALLATION OF L3x3 COLLECTOR.



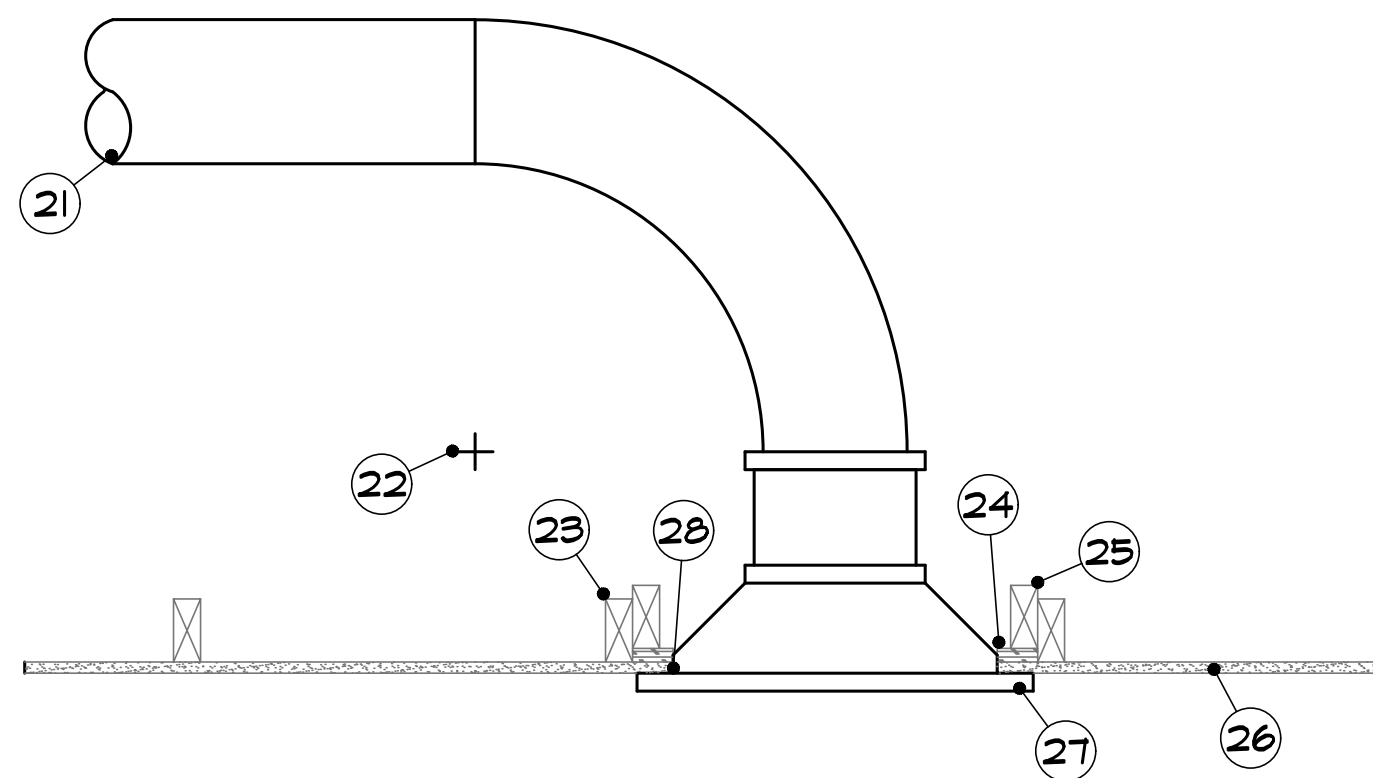
4 BREEZEWAY SECTION
S-12 SCALE: 1"=1'-0"



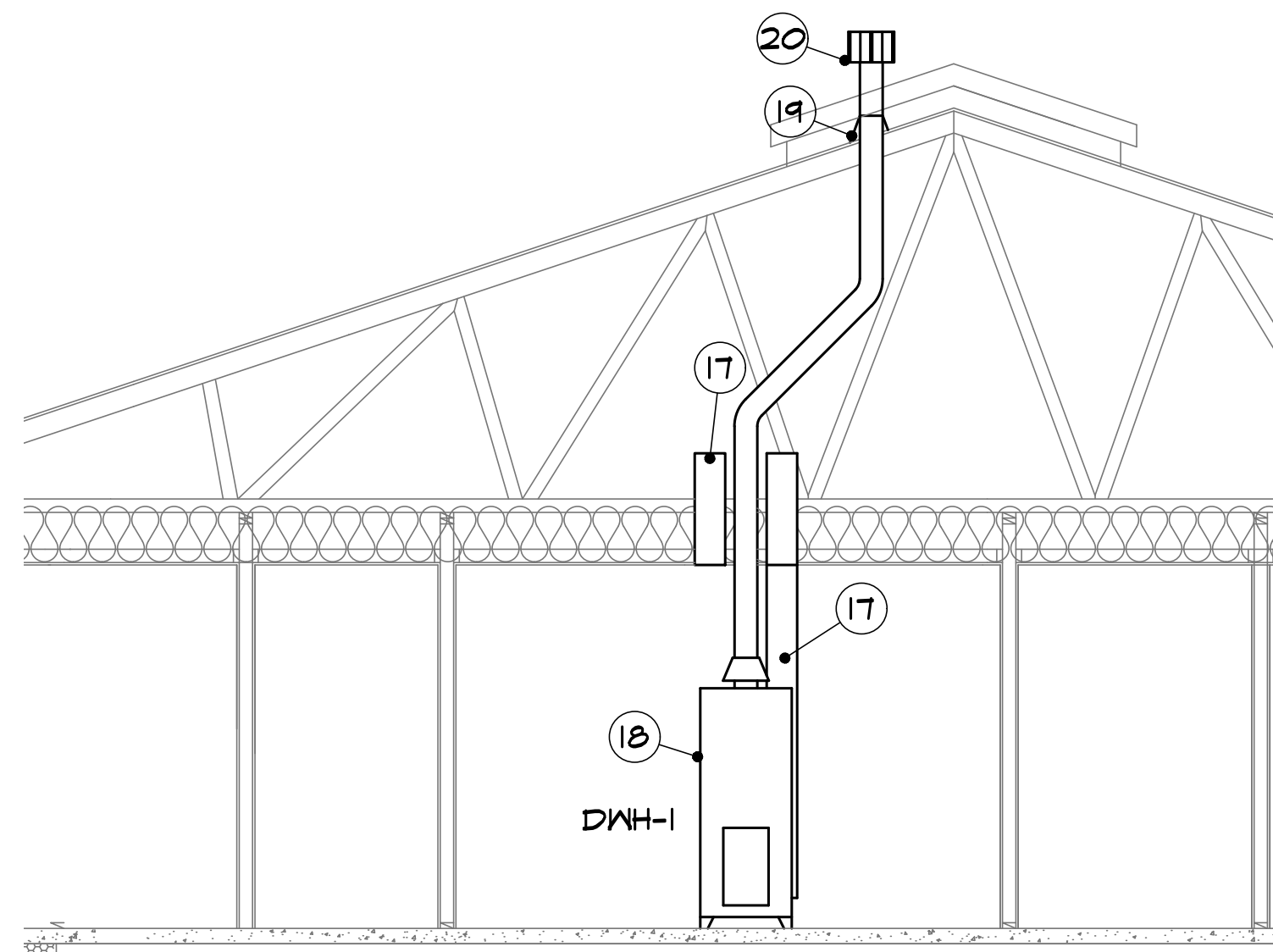
5 CANOPY RIGID FRAME
S-12 NOT TO SCALE



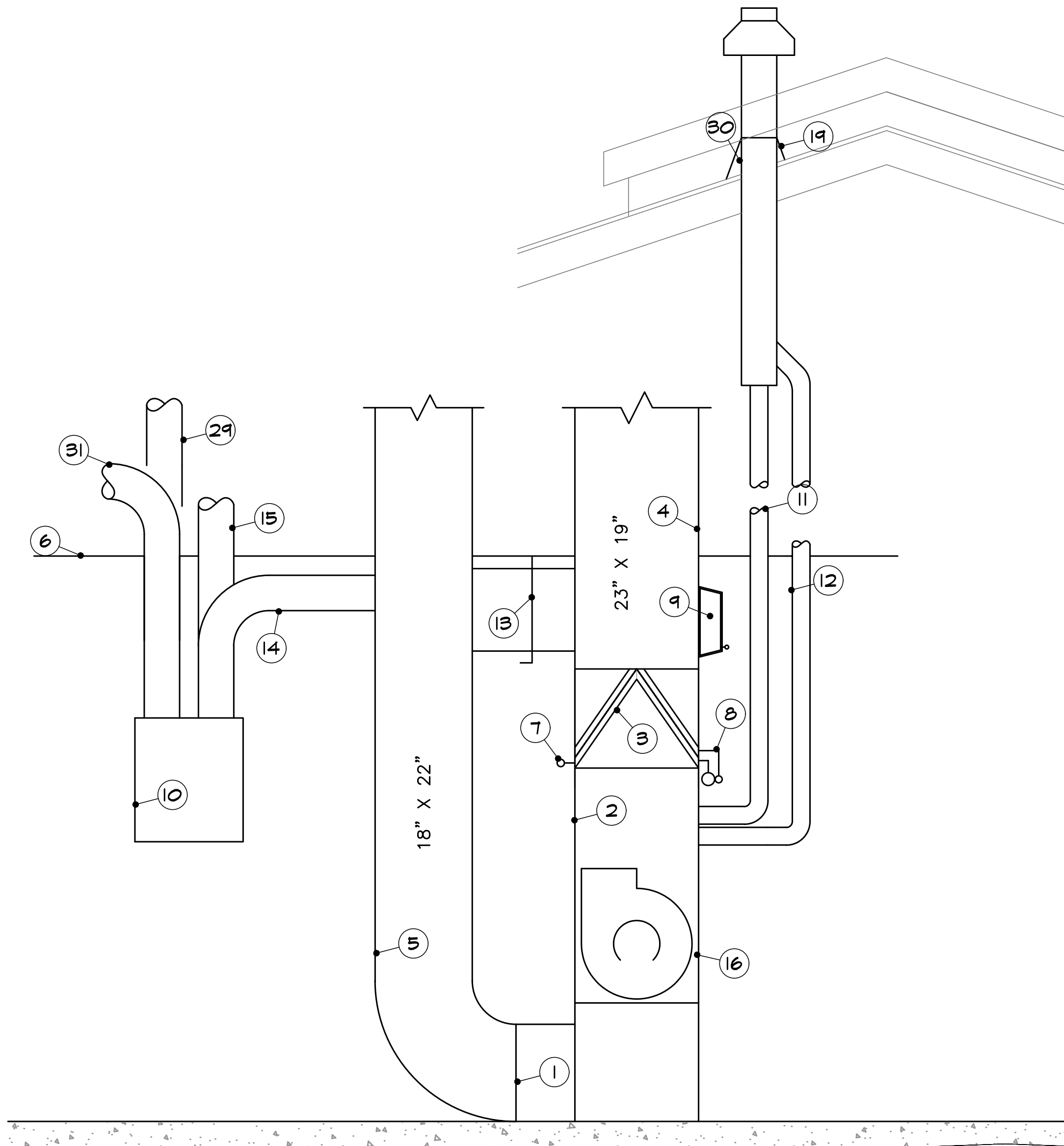
6 RIGID FRAME SECTION
S-12 SCALE: 1"=1'-0"



DIFFUSER DETAIL
N.T.S.



HOT WATER HEATER DETAIL
N.T.S.















HVAC COMPONENT DETAIL
3/4"=1'-0"

KEYED NOTES - HVAC EQUIPMENT

1. ELECTRONIC AIR CLEANER.
2. DIRECT-VENT VARIABLE-CAPACITY NATURAL GAS FURNACE.
3. COOLING COIL.
4. SUPPLY AIR DUCT.
5. RETURN AIR DUCT.
6. DRYWALL CEILING.
7. CONDENSATE LINES.
8. REFRIGERANT PIPING LINES, SIZED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
9. HUMIDIFIER AND WATER CONNECTION.
10. HEAT RECOVERY VENTILATOR, UNIT TO BE CONTROLLED BY HVAC SYSTEM.
11. PVC COMBUSTION AIR PIPE, SIZED IN ACCORDANCE TO MANUFACTURER. CONNECT TO CONCENTRIC VENT.
12. PVC VENT PIPE, SIZED IN ACCORDANCE TO MANUFACTURER, CONNECT TO CONCENTRIC VENT.
13. 8"x14" BYPASS DAMPER.
14. OUTSIDE AIR SUPPLY FROM HRV.
15. EXHAUST AIR FROM BATHROOM
16. SHUT DOWN ALL HVAC SYSTEMS IF FIRE ALARM PANEL IS ACTIVATED.
17. 6" ROUND DUCT FOR COMBUSTION AIR. ONE DUCT WITHIN 12" OF CEILING & ONE WITHIN 12 INCHES OF THE FLOOR. INSTALL AUTOMATIC DAMPERS FOR BOTH COMBUSTION AIR DUCTS. DAMPERS SHALL OPEN WHEN DOMESTIC WATER HEATER FIRES (NORMALLY CLOSED).
18. DOMESTIC WATER HEATER.
19. NEOPRENE BOOT, COMPATIBLE WITH ROOF MATERIAL.
20. 4"Ø TYPE B LISTED FLUE AND CAP, INSTALL 2'-0" ABOVE ADJACENT ROOF LINE.
21. INSULATED DUCT.
22. MINIMUM RADIUS IN ACCORDANCE WITH ASHRAE.
23. TRUSS BOTTOM CHORD.
24. 22 1/2" x 22 1/2" x 3/4" PLYWOOD.
25. 2x4 BLOCKING.
26. 5/8" DRYWALL CEILING.
27. DIFFUSER / RETURN AIR GRILLE.
28. SEAL ALL PENETRATIONS WITH CAULK.
29. OUTSIDE AIR TO HRV UNIT.
30. CONCENTRIC VENT THROUGH ROOF.
31. EXHAUST AIR FROM HRV UNIT TO OUTSIDE.

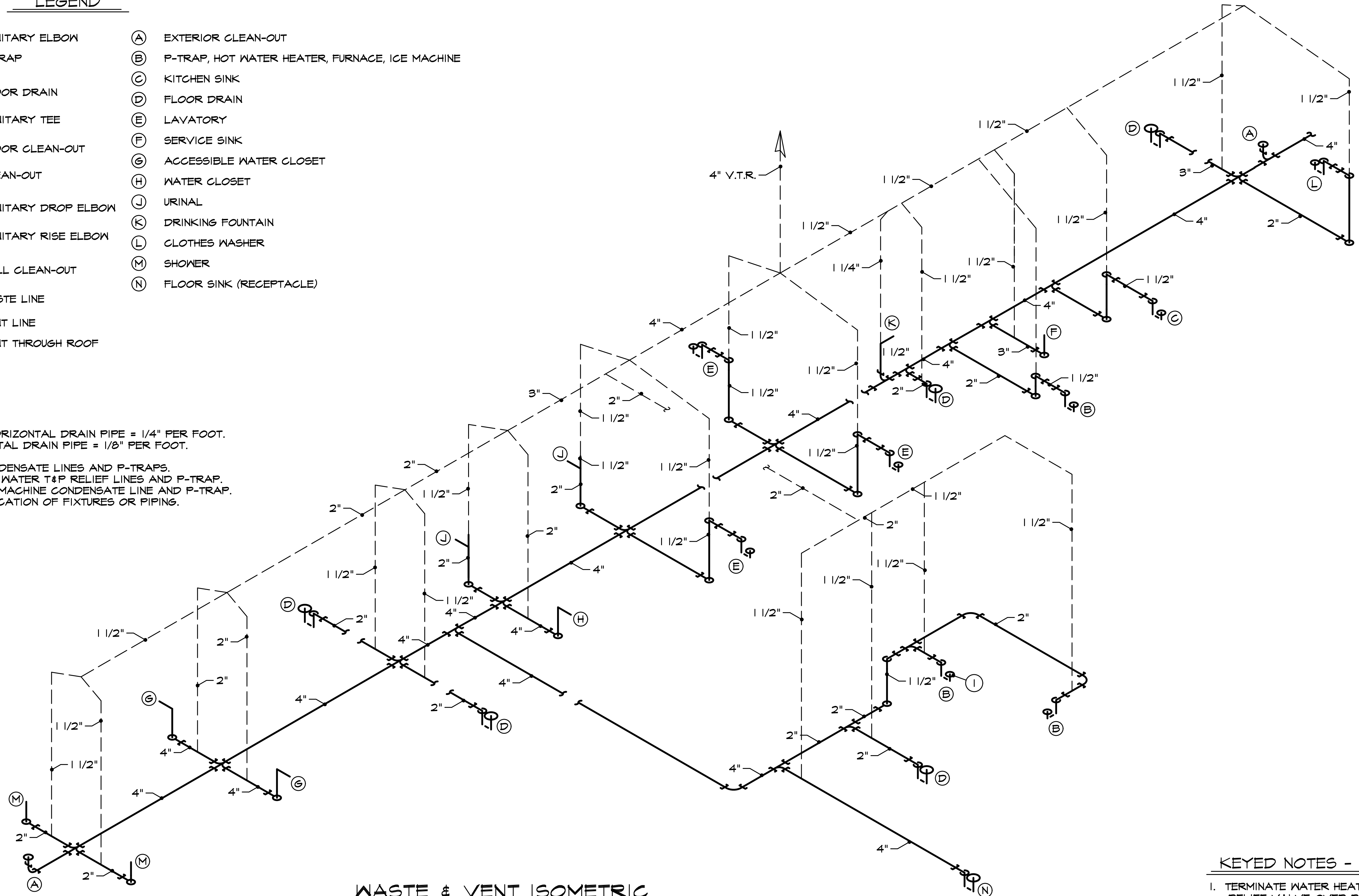


LEGEND

	SANITARY ELBOW	(A)	EXTERIOR CLEAN-OUT
	P-TRAP	(B)	P-TRAP, HOT WATER HEATER, FURNACE, ICE MACHINE
	FLOOR DRAIN	(C)	KITCHEN SINK
	SANITARY TEE	(D)	FLOOR DRAIN
	FLOOR CLEAN-OUT	(E)	LAVATORY
	CLEAN-OUT	(F)	SERVICE SINK
	SANITARY DROP ELBOW	(G)	ACCESSIBLE WATER CLOSET
	SANITARY RISE ELBOW	(H)	WATER CLOSET
	WALL CLEAN-OUT	(J)	URINAL
		(K)	DRINKING FOUNTAIN
		(L)	CLOTHES WASHER
		(M)	SHOWER
		(N)	FLOOR SINK (RECEPTACLE)
	WASTE LINE		
	VENT LINE		
	V.T.R. VENT THROUGH ROOF		

NOTE:

- MINIMUM SLOPE OF 2 1/2" OR LESS HORIZONTAL DRAIN PIPE = 1/4" PER FOOT.
- MINIMUM SLOPE OF 3" TO 6" HORIZONTAL DRAIN PIPE = 1/8" PER FOOT.
- SLOPE ALL VENTS BACK TO FIXTURE.
- PROVIDE A 1" AIR GAP BETWEEN CONDENSATE LINES AND P-TRAPS.
- PROVIDE A 1" AIR GAP BETWEEN HOT WATER T&P RELIEF LINES AND P-TRAP.
- PROVIDE A 1" AIR GAP BETWEEN ICE MACHINE CONDENSATE LINE AND P-TRAP.
- DRAWING DOES NOT SHOW EXACT LOCATION OF FIXTURES OR PIPING.



WASTE & VENT ISOMETRIC

N.T.S. (DIAGRAMMATIC ONLY)

KEYED NOTES - WASTE & VENT

1. TERMINATE WATER HEATER T&P RELIEF VALVE OVER P-TRAP.

