

MORTON BUILDINGS GENERAL SPECIFICATIONS

LAMINATED COLUMNS - NO. 1 OR BETTER SOUTHERN YELLOW PINE NAIL LAMINATED 3 MEMBER S4S COLUMNS NAILED 8" O.C. STAGGERED ON EACH SIDE WITH 4" NAILS.

ANCHORED ON CONCRETE - COLUMNS ARE ATTACHED TO CONCRETE BY USE OF 1/4" H.R. STEEL COLUMN SOCKETS. EACH SOCKET IS FASTENED TO THE CONCRETE BY (2) 1/2" DIA. x 6-1/2" THREADED RODS EMBEDDED 4-1/4" INTO THE CONCRETE WITH HILTI HIT-HY 200 V3 ADHESIVE. COLUMN IS FASTENED TO SOCKET BY (4) 1/2"x6" M. BOLTS & (8) 1/4"x2-1/2" POWER LAG WASHER HEAD YELLOW ZINC SCREWS.

TREATED LUMBER – PRESSURE PRESERVATIVE TREATED LUMBER OTHER THAN LAMINATED COLUMNS ARE NO. 1 OR BETTER SOUTHERN YELLOW PINE AND CENTER MATCHED OR NOTCHED AND GROOVED OR S4S. PRESSURE TREATMENT TO GROUND CONTACT RETENTION WITH PRESERVATIVE TREATMENT COMPLYING WITH USE CATEGORY UC4B (AWPA OR ICC-ES) AND IN COMPLIANCE WITH USEPA GUIDELINES AND STANDARDS.

FRAMING LUMBER - SIDING NAILERS ARE 2x4 S4S OR 2x6 SPF NO. 2 OR BETTER SPACED APPROXIMATELY 36" O.C. WITH ALL JOINTS STAGGERED AT ATTACHMENT TO COLUMNS. ROOF PURLINS ARE 2x4 S4S NO. 2 OR BETTER ON EDGE SPACED APPROXIMATELY 24" O.C. ALL OTHER FRAMING LUMBER IS NO. 2 OR BETTER.

ROOF TRUSSES - FACTORY ASSEMBLED WITH 18 OR 20 GAUGE GALVANIZED STEEL TRUSS PLATES AS REQUIRED AND KILN DRIED LUMBER AS SPECIFIED. IN-PLANT QUALITY CONTROL INSPECTION IS CONDUCTED UNDER THE AUSPICES OF THE TPI INSPECTION BUREAU. TRUSSES ARE DESIGNED IN ACCORDANCE WITH CURRENT STANDARDS AND SPECIFICATIONS FOR THE STATED LOADING.

SIDING PANELS & ROOFING (FLUOROFLEX 1000 TM) - 0.019" MIN., G90 GALVANIZED OR AZ55 GALVALUME STEEL WITH AN ADDITIONAL BAKED-ON 70% PVDF FINISH WITH A NOMINAL 1 MIL. PAINT THICKNESS ON EXTERIOR.

TRIM - DIE-FORMED TRIM OF 0.017" MIN., G90 GALVANIZED OR AZ55 GALVALUME STEEL ON GABLES, RIDGES, CORNERS, BASE WINDOWS, AND DOORS WITH SAME FINISH AS ROOFING OR SIDING PANELS.

GUTTERS - 5" OR 6" K-STYLE, .030 HIGH TENSILE ALUMINUM GUTTER, 70% PVDF FINISH TO MATCH TRIM, ON BOTH SIDES OF THE BUILDING.  
2x4 F1 F1 CNC 09/20

DESIGN AND EXPLANATORY NOTES

- 1.) ALL PLOT PLANS AND RELATED DETAILS SHALL BE PROVIDED BY OWNER UNLESS INCORPORATED AS PART OF THESE DRAWINGS.
- 2.) MORTON BUILDINGS GENERAL SPECIFICATIONS APPLY UNLESS INDICATED DIFFERENTLY ON SPECIFIC JOB DRAWINGS OR SUPPLEMENTAL INFORMATION.
- 3.) MINIMUM LIVE ROOF LOAD DESIGNS FOR CONSTRUCTION, MAINTENANCE, REPAIR, AND OTHER TEMPORARY LOADS PER SECTION 1607.12.2
- a.) ROOF PURLINS AND OTHER SECONDARY STRUCTURAL MEMBERS = 20 PSF
- b.) ROOF TRUSSES, HEADERS, COLUMNS AND OTHER PRIMARY STRUCTURAL MEMBER = 18 PSF
- c.) FOOTINGS = 12 PSF (DESIGNED FOR ROOF SNOW LOAD AND OTHER NON-TEMPORARY LOADS W/ APPROVAL FROM BUILDING OFFICIAL).
- 4.) NO ONE MAY ALTER ANY ENGINEERING ITEM UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED / REGISTERED ENGINEER
- 5.) ♦ THE PRECEDING SYMBOL IDENTIFIES ITEMS THROUGHOUT THE PLANS THAT ARE NOT PROVIDED BY MORTON BUILDINGS, INC. OR MORTON BUILDINGS' SUBCONTRACTORS AND ARE THE OWNER'S RESPONSIBILITY.



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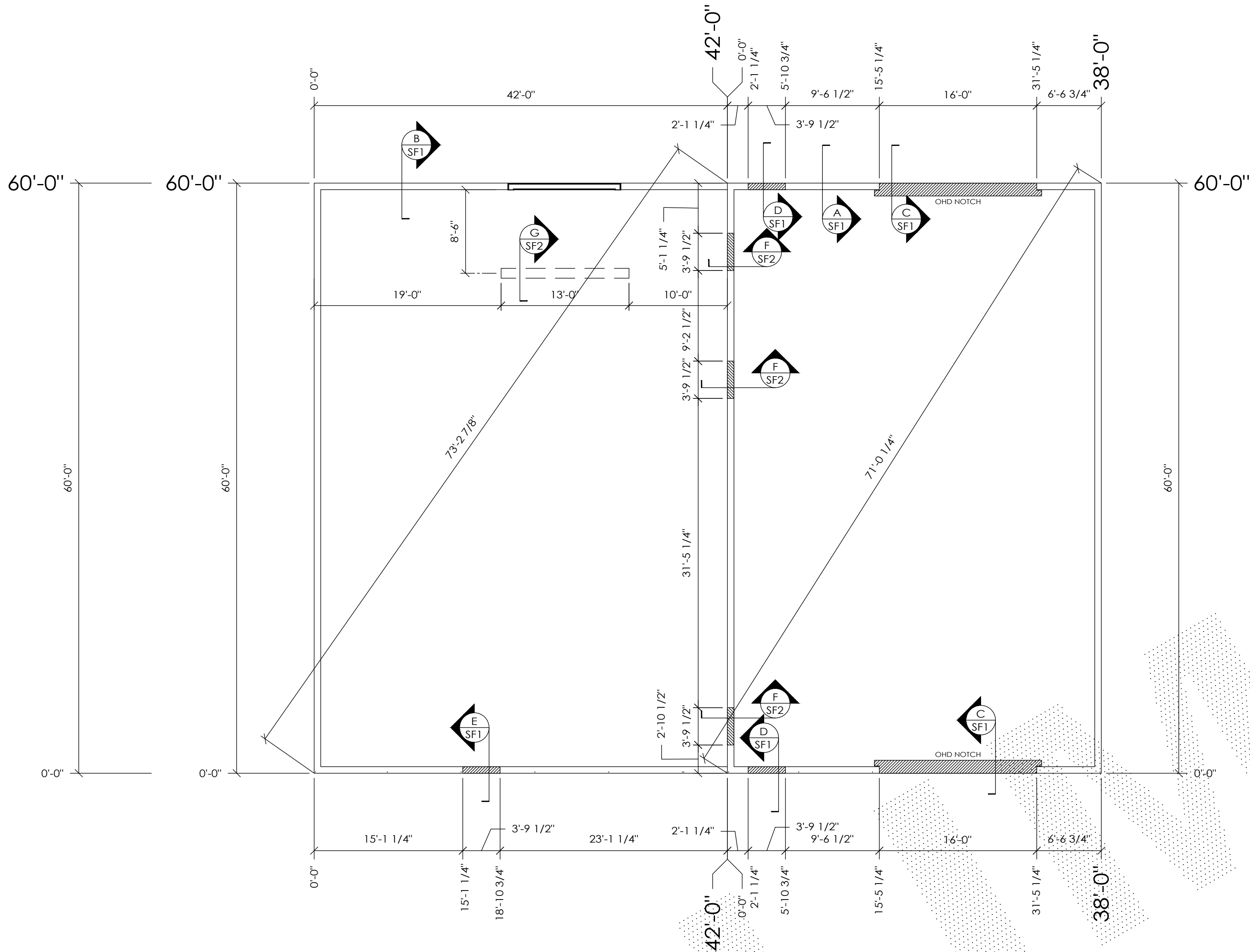
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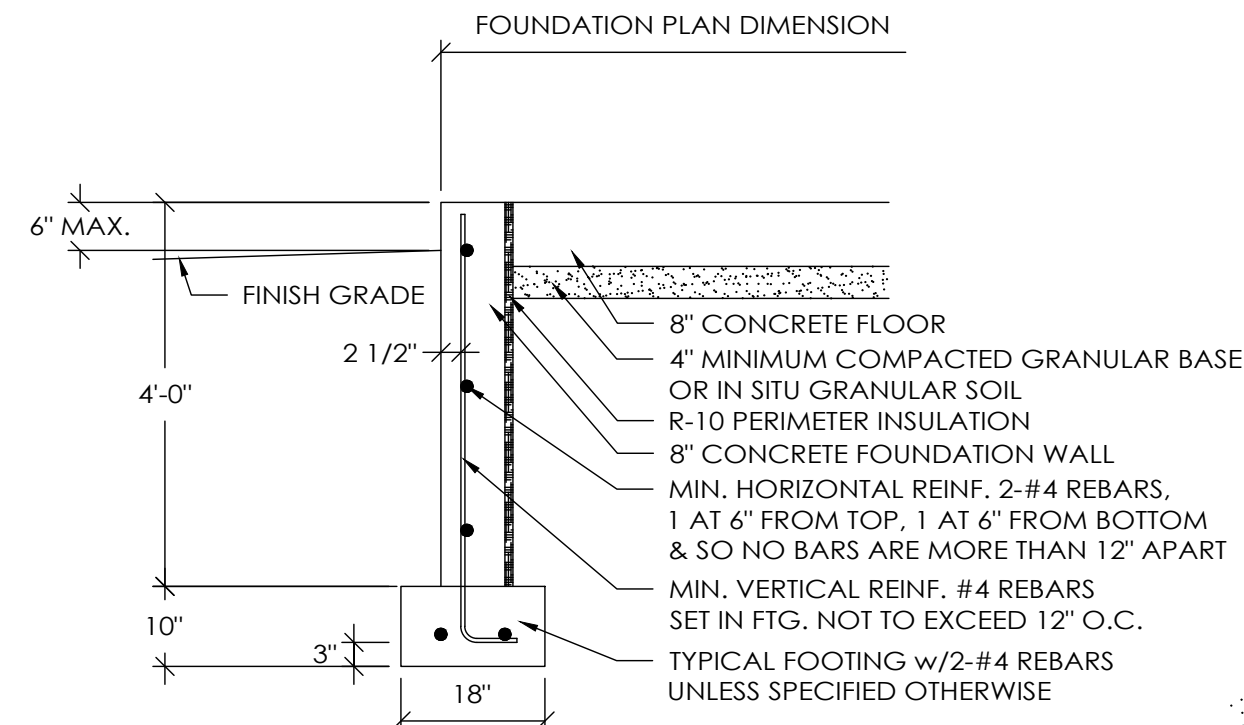
project 072-150677

SHEET NAME:  
SPECIFICATIONS AND  
SHEET INDEX

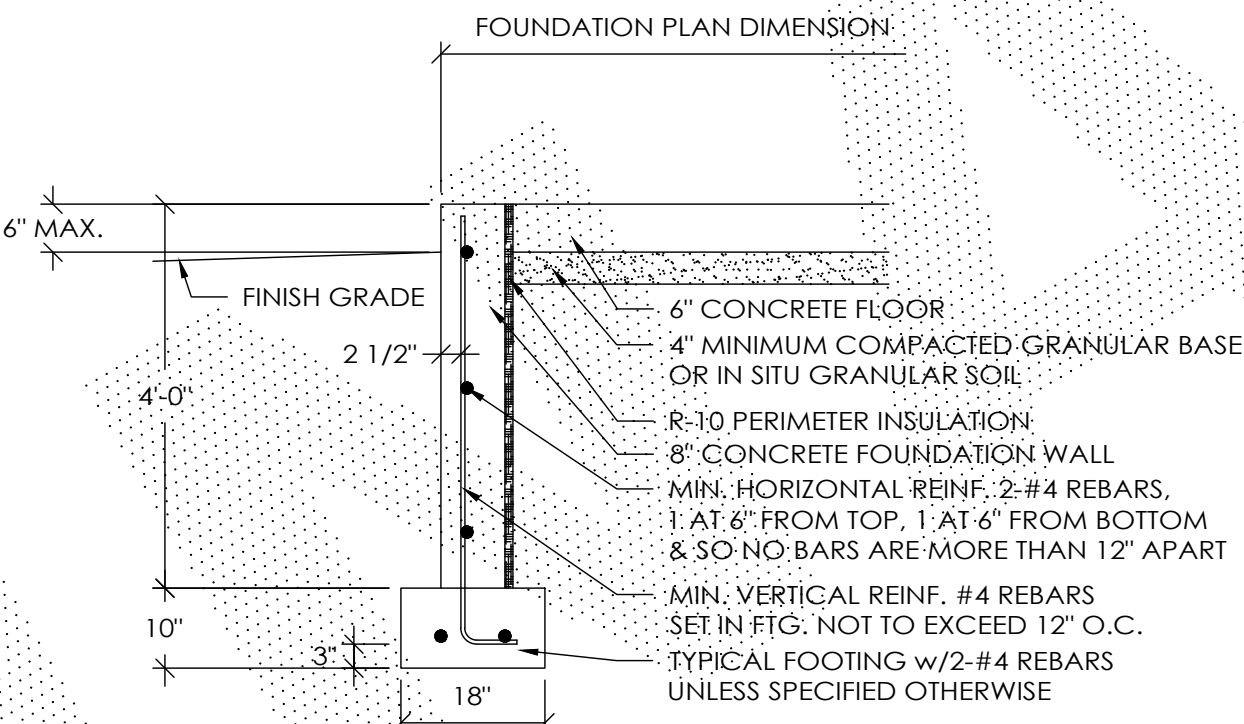
SHEET NO: GS1 OF: GS1



FOUNDATION PLAN



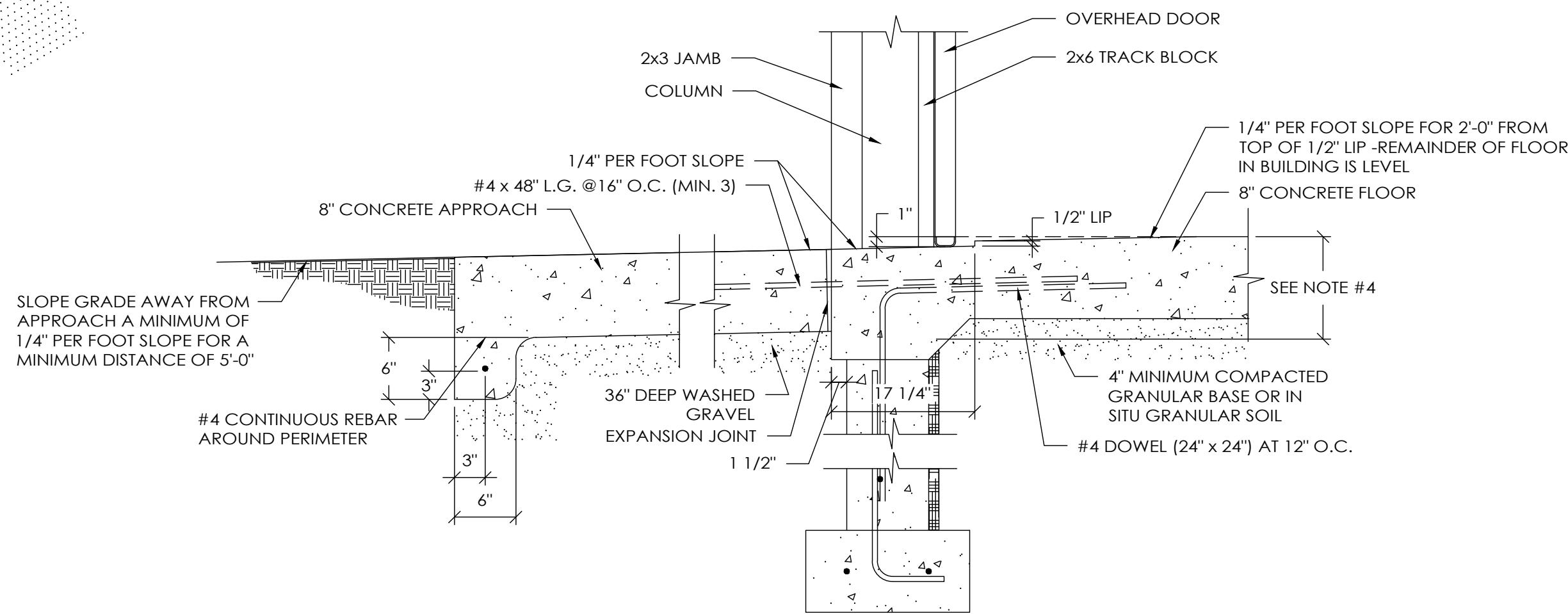
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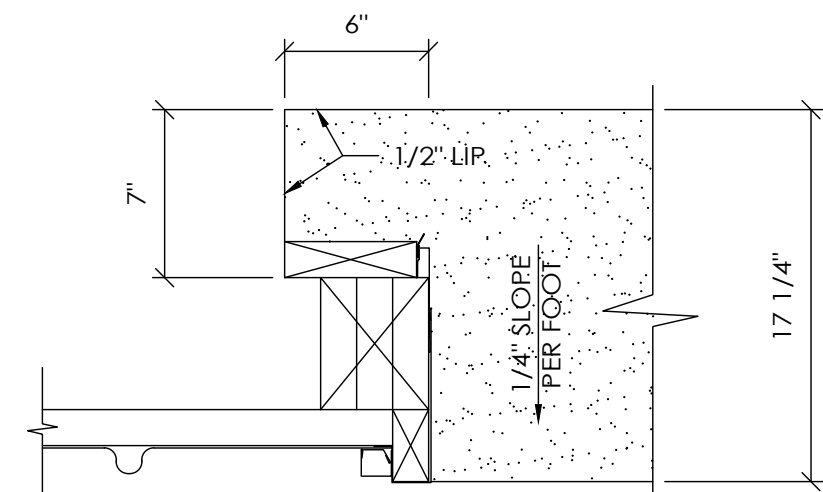
FOUNDATION SECTION B

DESIGN AND EXPLANATORY NOTES

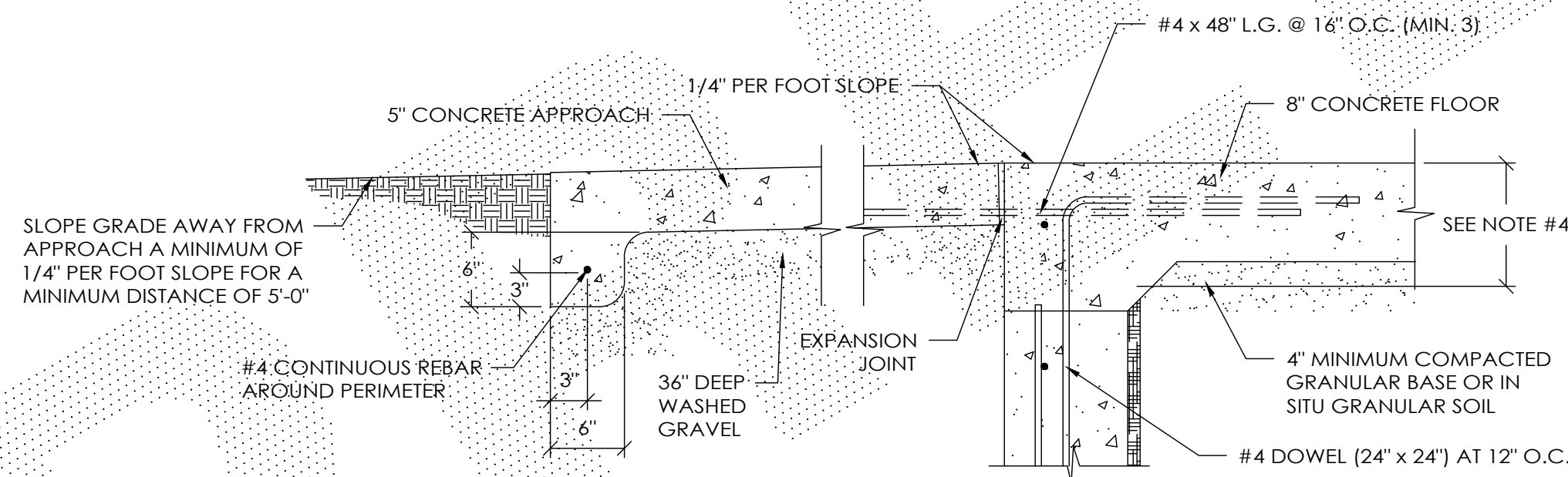
- 1.) FOOTINGS ARE DESIGNED FOR A 2000 PSF SOIL BEARING CAPACITY. LOCAL CONDITIONS MAY REQUIRE MODIFICATIONS.
- 2.) CONCRETE FLOOR NOTES:
  - a. 3500 PSI, 5 1/2 BAG MIX CONCRETE;
  - b. SLOPE GRADE AWAY FROM BUILDING @ 1" PER FOOT FOR A MINIMUM DISTANCE OF 10' PLUS OVERHANG WIDTH;
  - c. PLACE A MINIMUM 6 MIL POLYETHYLENE VAPOR RETARDER OVER A COMPACTED GRANULAR BASE AND DIRECTLY BELOW THE CONCRETE FLOOR.
  - d. CONTRACTION JOINTS UNIFORMLY SPACED 18' O.C. OR LESS.
  - e. FOR PERIMETER INSULATION USE EXTRUDED POLYSTYRENE OR A COMPARABLE PRODUCT HAVING A MINIMUM COMPRESSIVE STRENGTH OF 40 PSI.
  - f. IF THE FLOOR IS TO BE HEATED, USE 1" TYPE VI EXTRUDED POLYSTYRENE OR A COMPARABLE PRODUCT HAVING A MINIMUM COMPRESSIVE STRENGTH OF 40 PSI UNDER ENTIRE FLOOR.
- 3.) CONCRETE FOUNDATION NOTES:
  - a. CONCRETE & REINFORCING BAR SPECIFICATIONS:
    - 3500 PSI, 5 1/2 BAG MIX.
    - GRADE 60, DEFORMED REINFORCING BARS.
  - b. VERTICAL REINFORCING:
    - HOOK VERTICAL REINFORCING IN FOOTING.
    - SPLICE LENGTH SHALL BE 12" MINIMUM.
    - COVER SHALL BE 2 1/2" MINIMUM.
  - c. HORIZONTAL REINFORCING:
    - HORIZONTAL REINFORCING SHALL BE CONTINUOUS OR PROPERLY SPLICE AROUND ALL CORNERS.
    - SPLICE LENGTH SHALL BE 12" MINIMUM.
    - COVER SHALL BE 3" MINIMUM.
- 4.) NOTCH WALL DOUBLE THE THICKNESS OF THE INTERIOR FLOOR PLUS THE HEIGHT OF THE WALL ABOVE THE FLOOR (IF APPLICABLE). NOTCH WALL 8" DEEP AT DOOR OPENING.
- 5.) LANDING & THRESHOLD:
  - a. ALL DOORS REQUIRED TO BE ACCESSIBLE & SHALL BE PROVIDED WITH LEVER HANDLES OR PUSH/PULL HARDWARE.
  - b. ALL DETAILS SHALL CONFORM TO A117.1
  - c. ACCESSIBLE ROUTES SHALL BE BY HARD, FIRM, AND SLIP RESISTANT SURFACES AND SHALL HAVE SLOPES OF LESS THAN 1:20.
  - d. DOOR CLOSERS AND GATE CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MINIMUM.
  - e. THE MAXIMUM FORCE FOR PUSHING OR PULLING OPEN ACCESSIBLE INTERIOR HINGED DOORS SHALL BE 5 LB/FT.
  - f. HARDWARE REQUIRED FOR ACCESSIBLE DOOR PASSAGE SHALL BE MOUNTED 34" MINIMUM TO 48" MAXIMUM ABOVE THE FINISHED FLOOR.



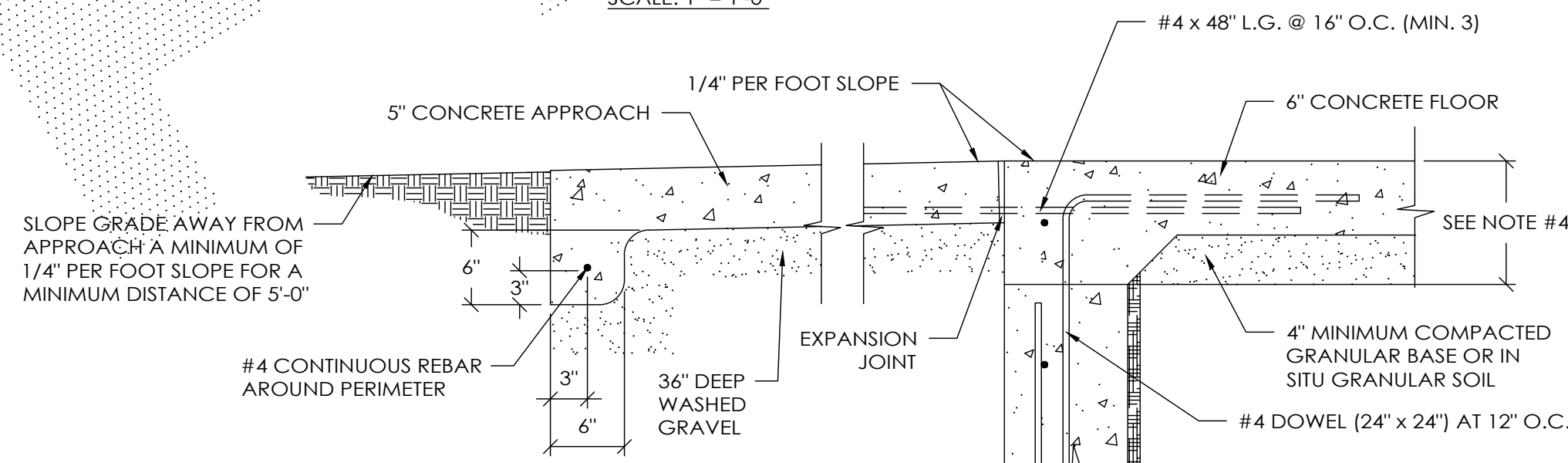
OVERHEAD DOOR CONCRETE APPROACH SECTION C



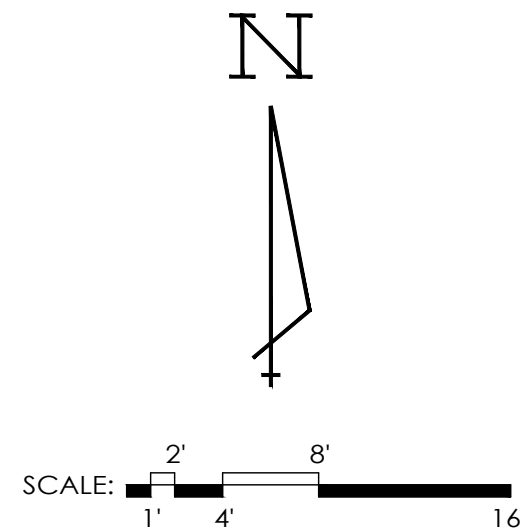
OVERHEAD DOOR CONCRETE JAMB DETAIL



WALK DOOR NOTCH SECTION D



WALK DOOR NOTCH SECTION E

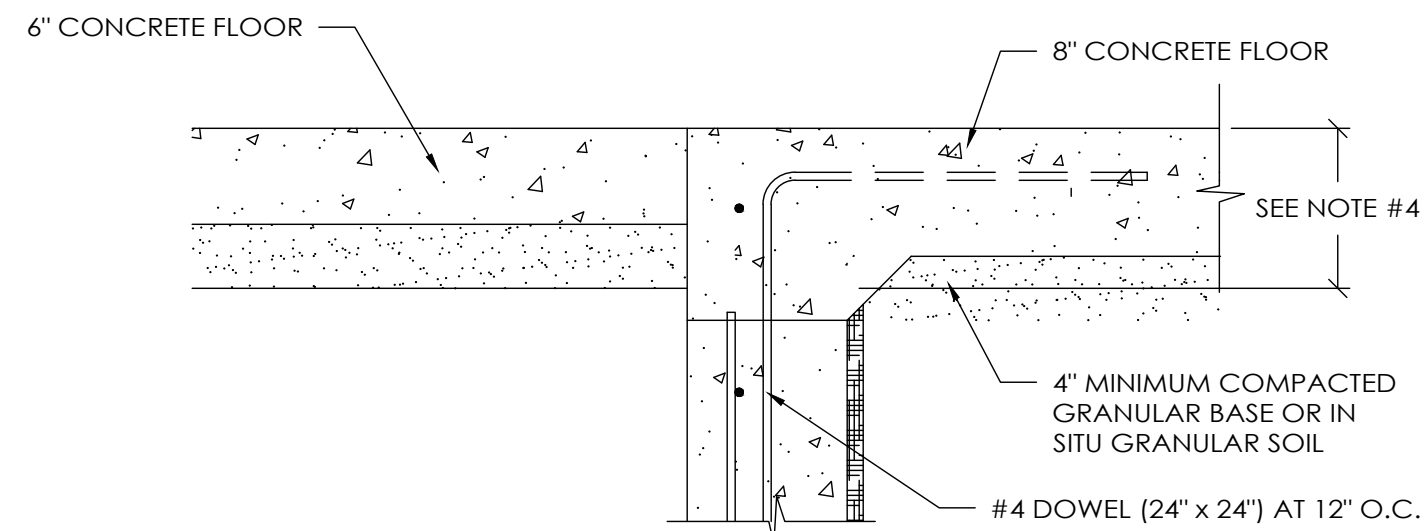


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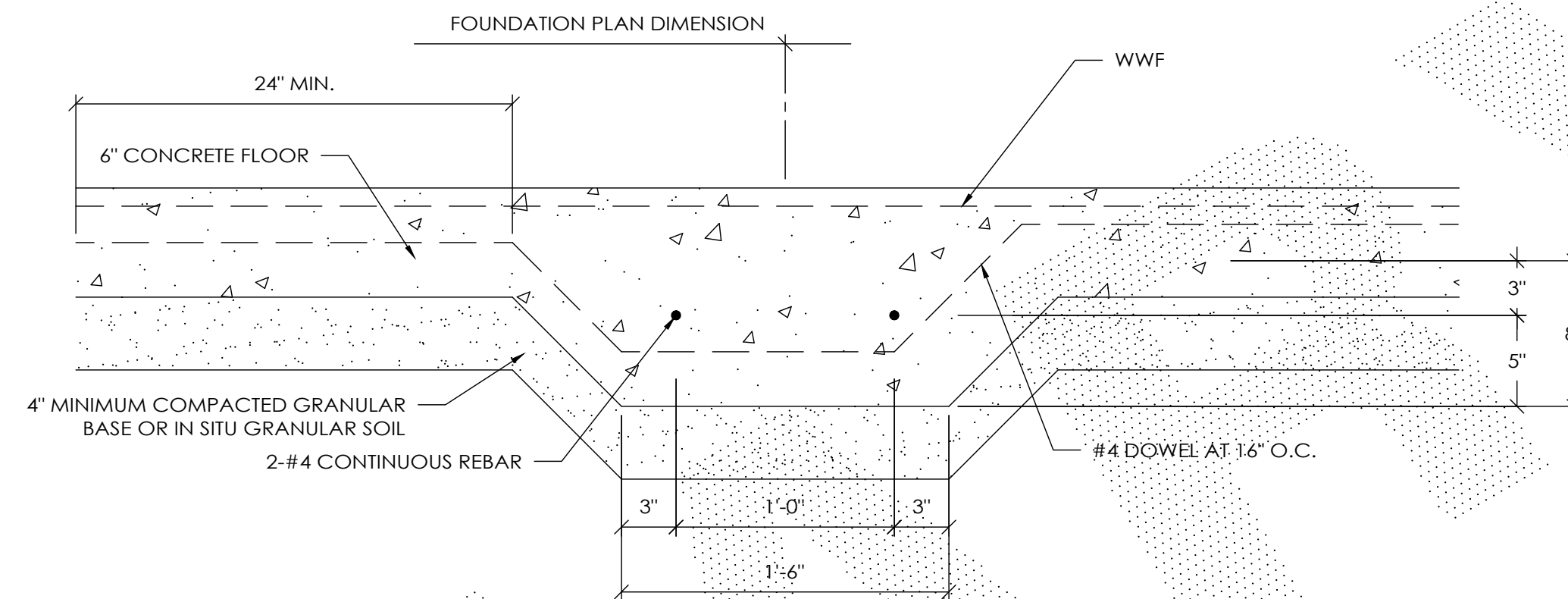
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SHEET NAME: FOUNDATION PLAN  
SHEET NO: SF1 OF: SF2



WALK DOOR NOTCH SECTION F  
SCALE: 1" = 1'-0"



THICKENED FOOTING SECTION G  
SCALE: 1 1/2" = 1'-0"

ROOM FOR REINFORCEMENT DETAILS

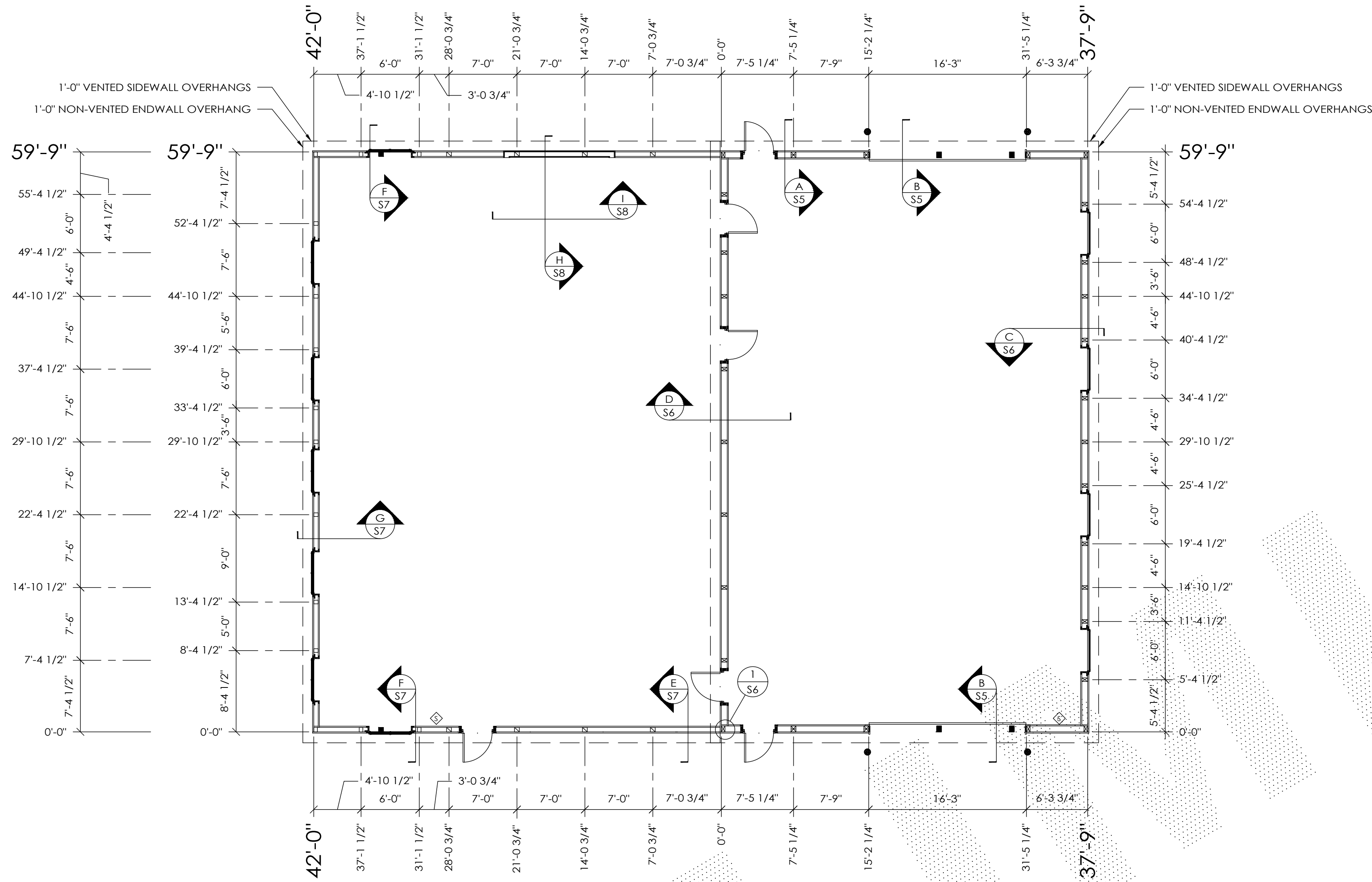


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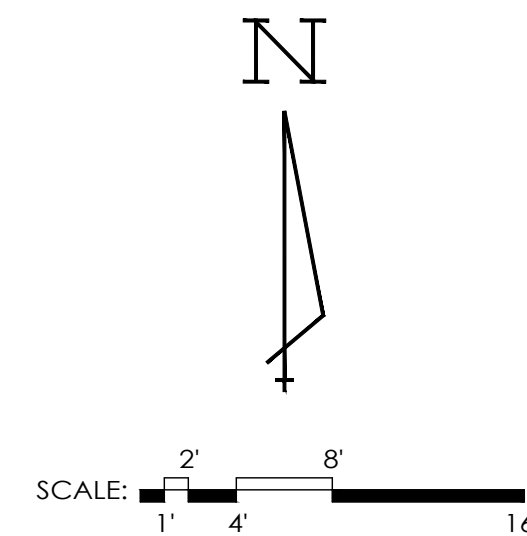
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SHEET NO: SF2 OF: SF2



COLUMN PLAN

COLUMN PLAN LEGEND

- 3-2x6 LAMINATED COLUMN LOCATION
- ▣ 4-2x6 LAMINATED COLUMN LOCATION
- ▤ 3-2x8 LAMINATED COLUMN LOCATION
- ▥ 4-2x8 LAMINATED COLUMN LOCATION
- HEADERED TRUSS LOCATION
- (12) 30"x30" ATTIC ACCESS PANEL (VERIFY LOCATION)
- ALL STEEL FASTENED W/ S.S. SCREWS
- ◇ 7/16" OSB SHEARWALL LOCATION (SEE DETAIL ON SHEET S9)



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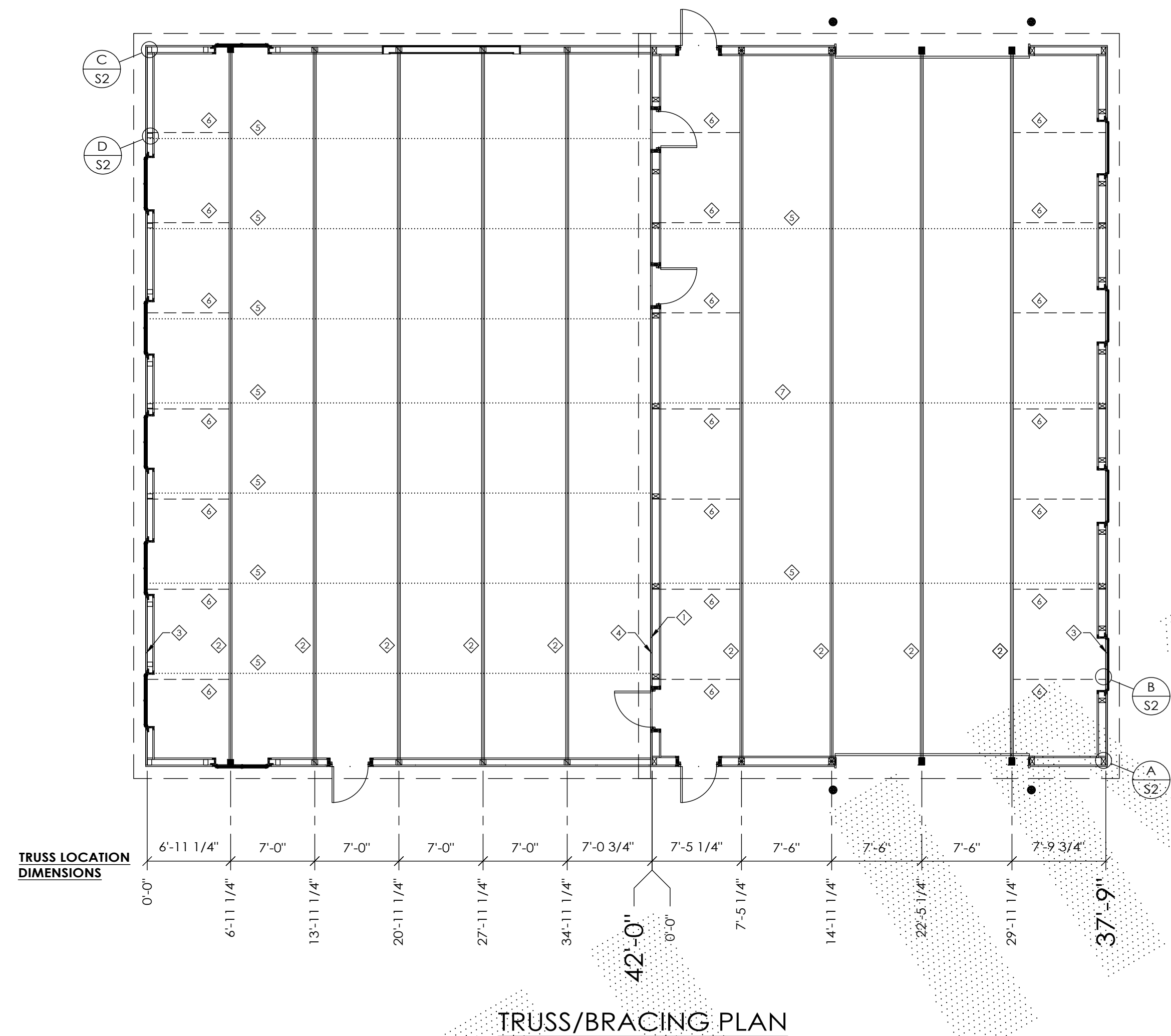
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COLUMN PLAN

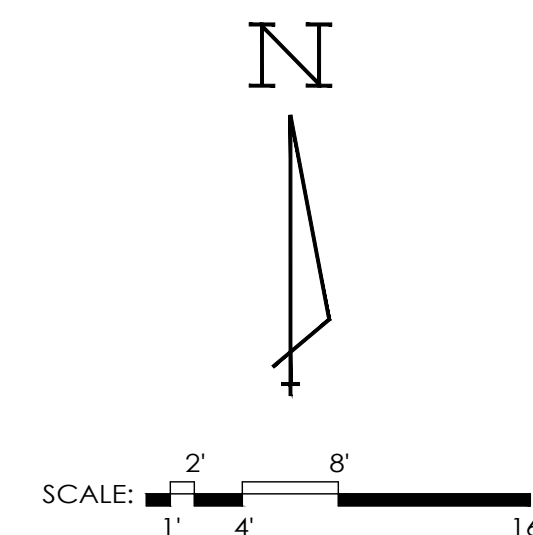
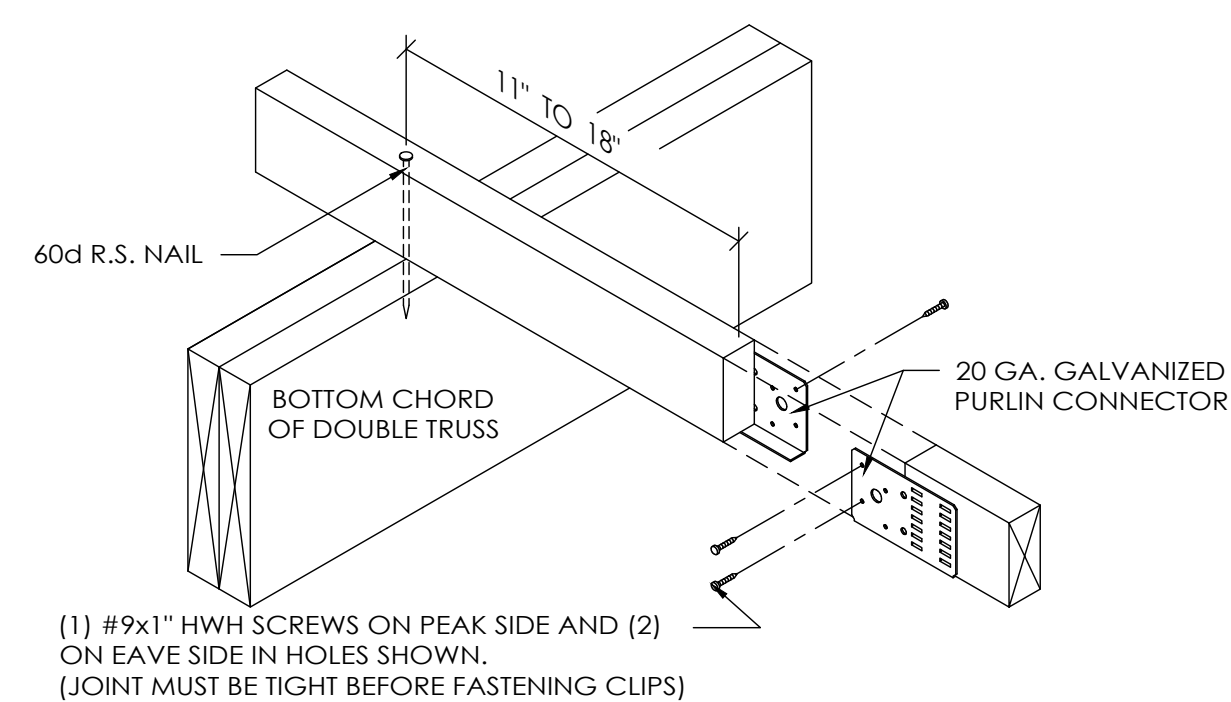
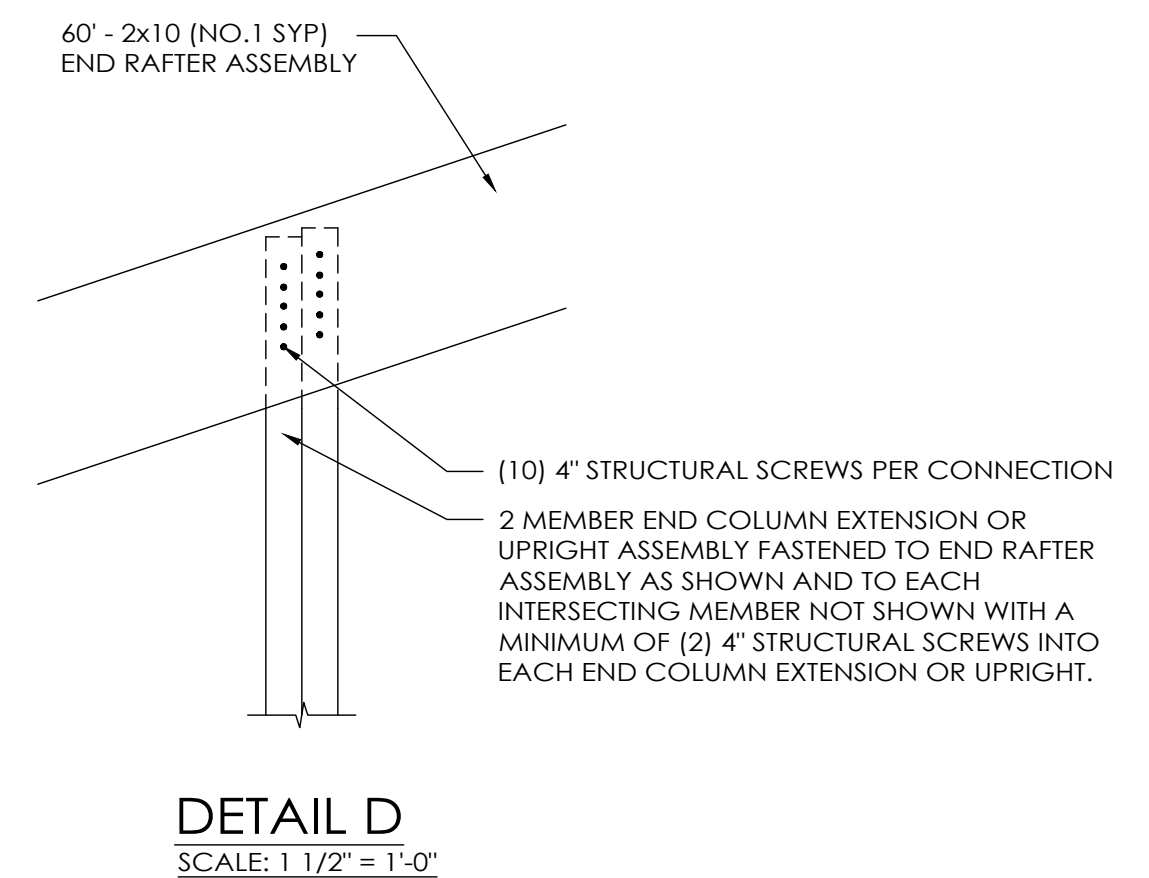
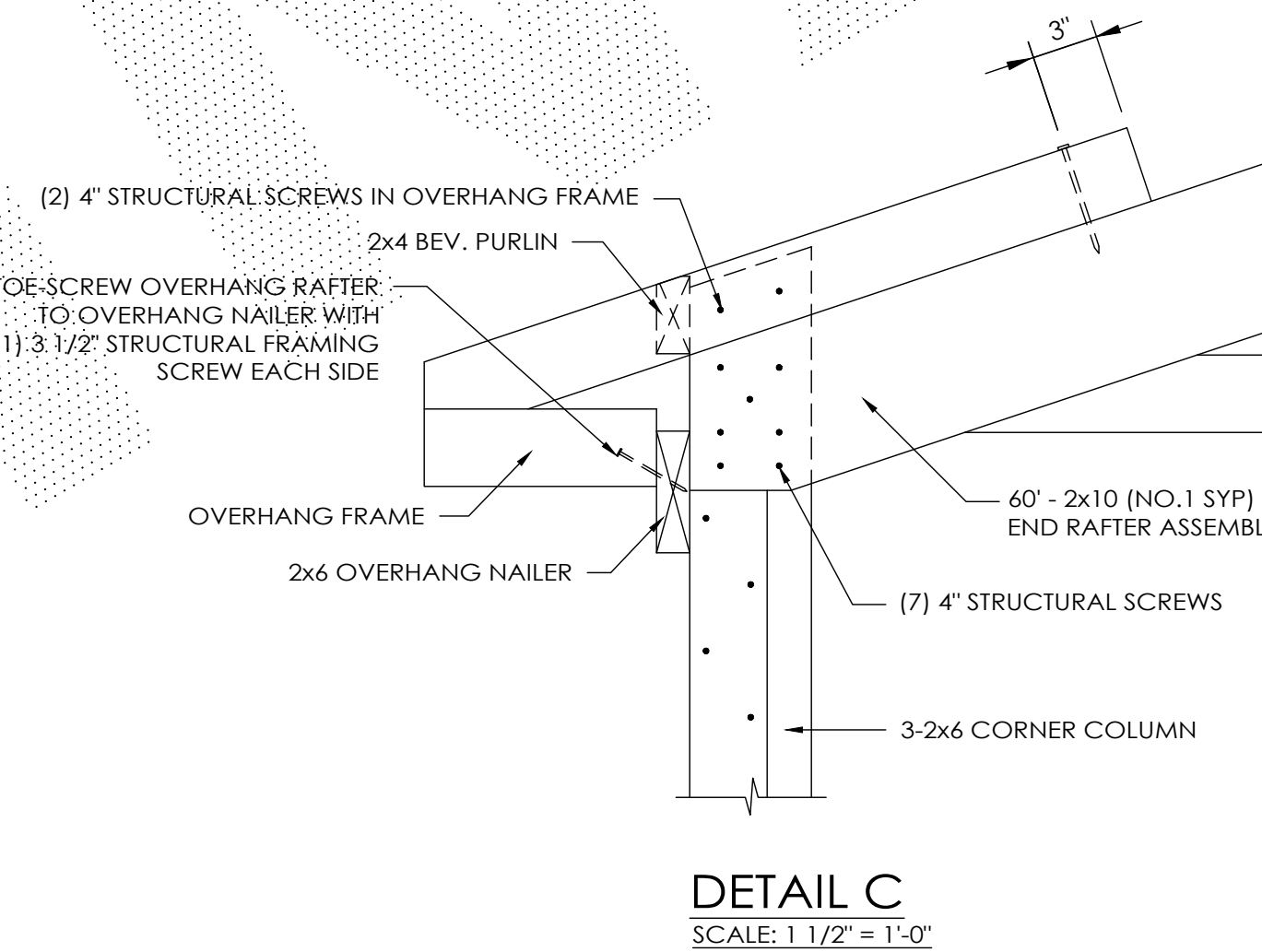
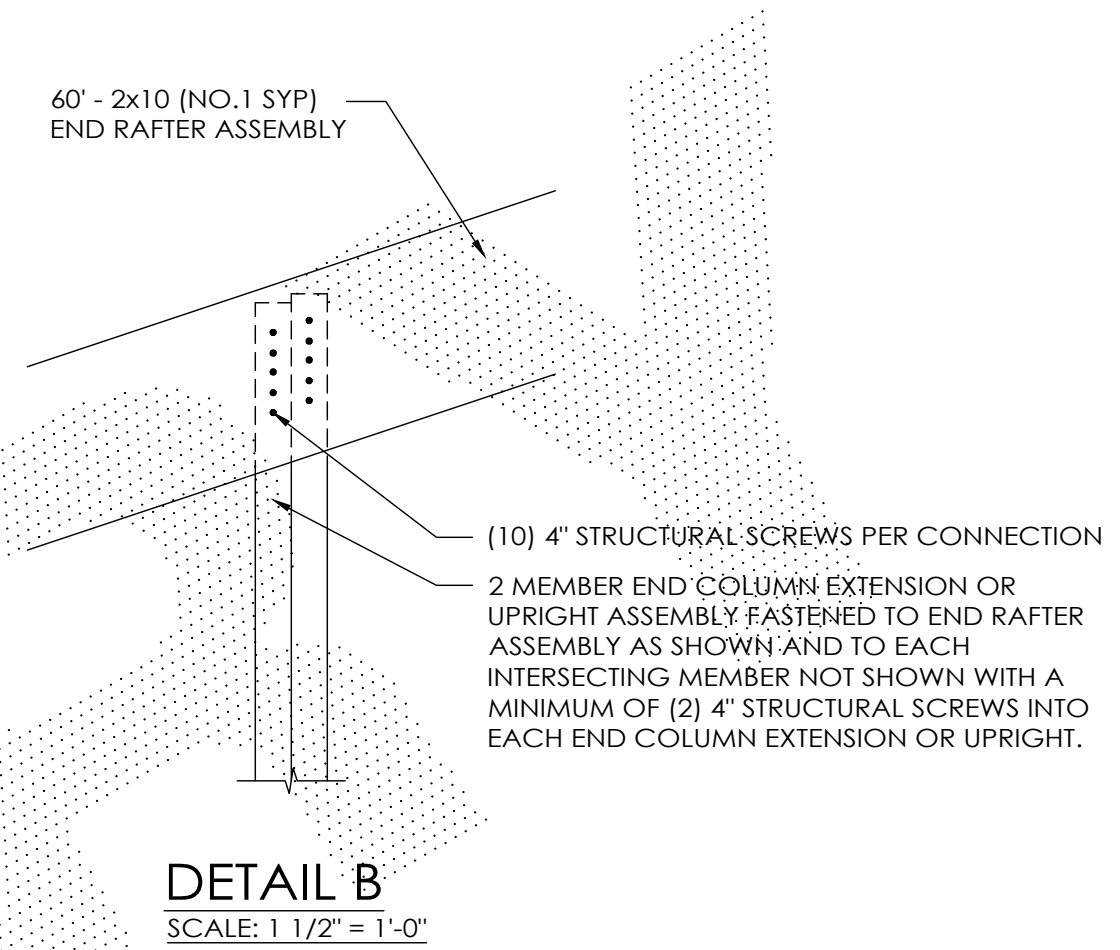
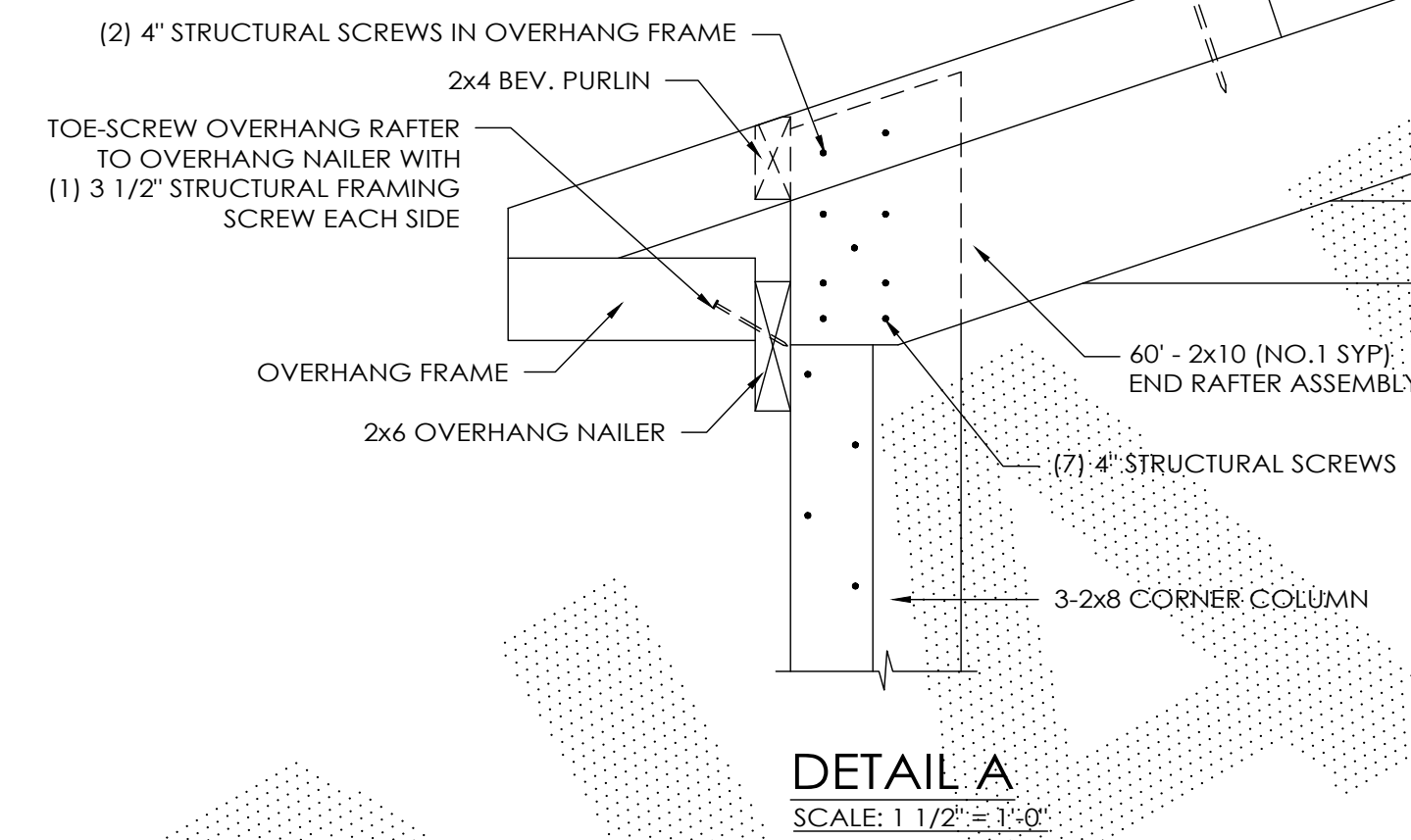
SHEET NO: S1 OF: S9





#### TRUSS/BRACING PLAN LEGEND

- ◇ 60' 2090-S1 S.C. TRUSS
- ◇ DOUBLE 60' 2090-S1 S.C. TRUSS
- ◇ 60' END RAFTER ASSEMBLY
- ◇ 2x10 RAFTER (NO. 1 SYP)
- ◇ 2x4 TRUSS TIES
- ◇ 2x6 DIAGONAL END BRACES (TO EXTEND TO FIRST TRUSS IN FROM ENDWALL)
- ◇ 2x6 FLAT TRUSS TIE CENTERED IN BUILDING



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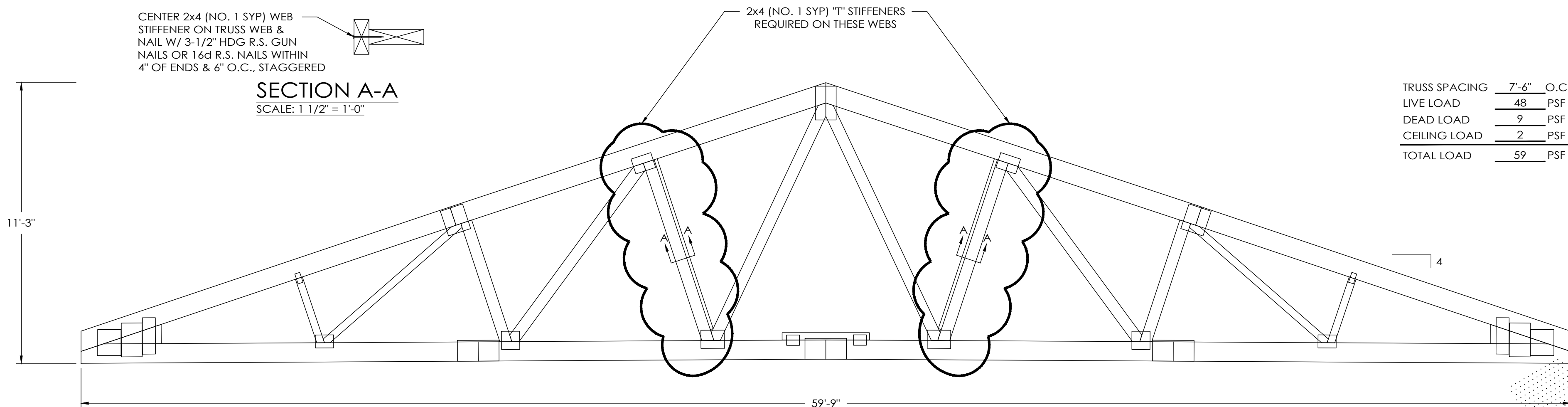
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SHEET NAME: TRUSS PLAN  
SHEET NO: S2 OF: S9

## DESIGN AND EXPLANATORY NOTES

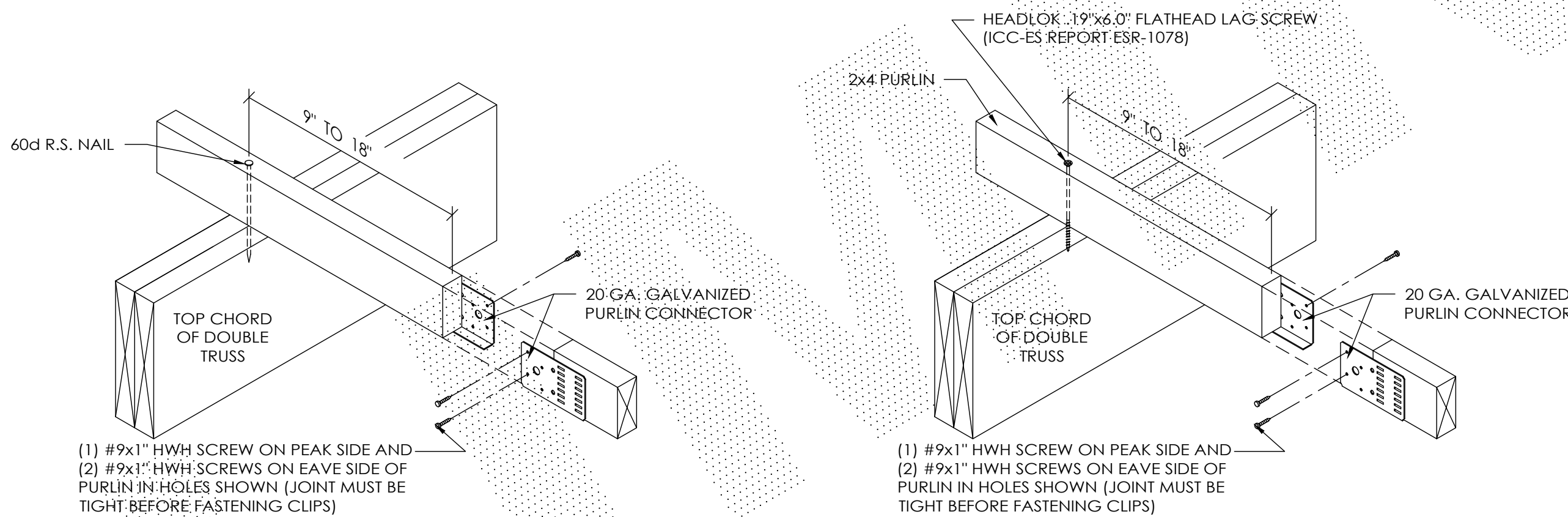
1.) TRUSSES ARE USED AS A DOUBLE MEMBER TRUSS ASSEMBLY WHERE NOTED ON THE TRUSS/BRACING PLAN ON SHEET S2. FASTEN TRUSSES TOGETHER FROM ONE SIDE WITH SIMPSON #9x2 1/2" WSV212S SCREWS 4" O.C.; STAGGERED ALONG TOP CHORD; 8" O.C. STAGGERED ALONG LOWER CHORD AND WEB MEMBERS.

## WEB STIFFENER DETAIL



## 60' S.C. 2090-S1 TRUSS

SCALE: 5/16" = 1'-0" (SEE NOTE #1)



## 2x4 BUTTED PURLIN DETAIL

(PURLIN CONNECTED WITH 60d R.S. NAIL)

SCALE: 1 1/2" = 1'-0"

## 2x4 BUTTED PURLIN DETAIL

(PURLIN CONNECTED WITH 6" HEADLOK FLATHEAD LAG SCREW)

SCALE: 1 1/2" = 1'-0"



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SHEET NAME:

TRUSS DRAWINGS

SHEET NO:

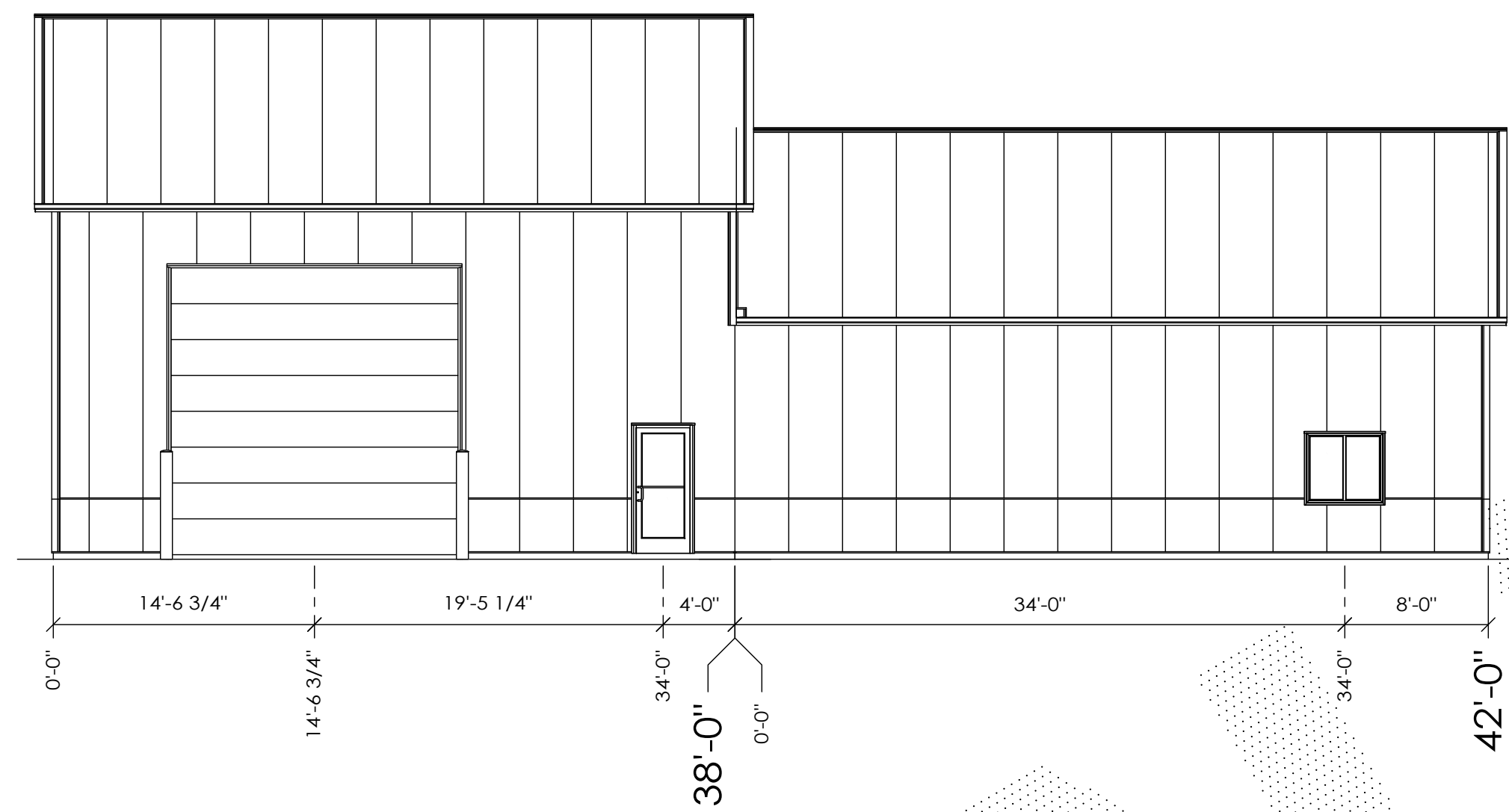
S3

OF:

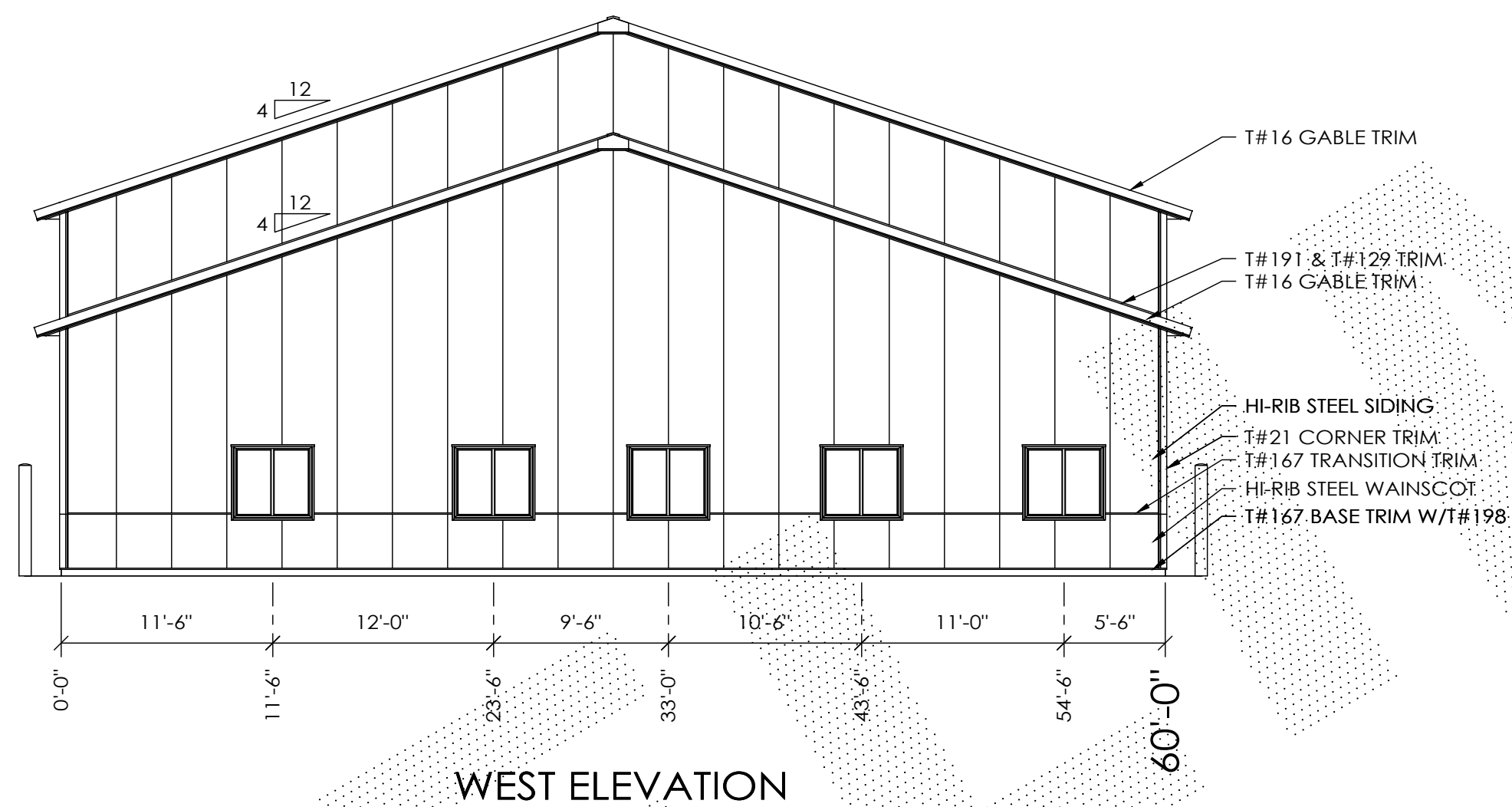
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DESIGN AND EXPLANATORY NOTES

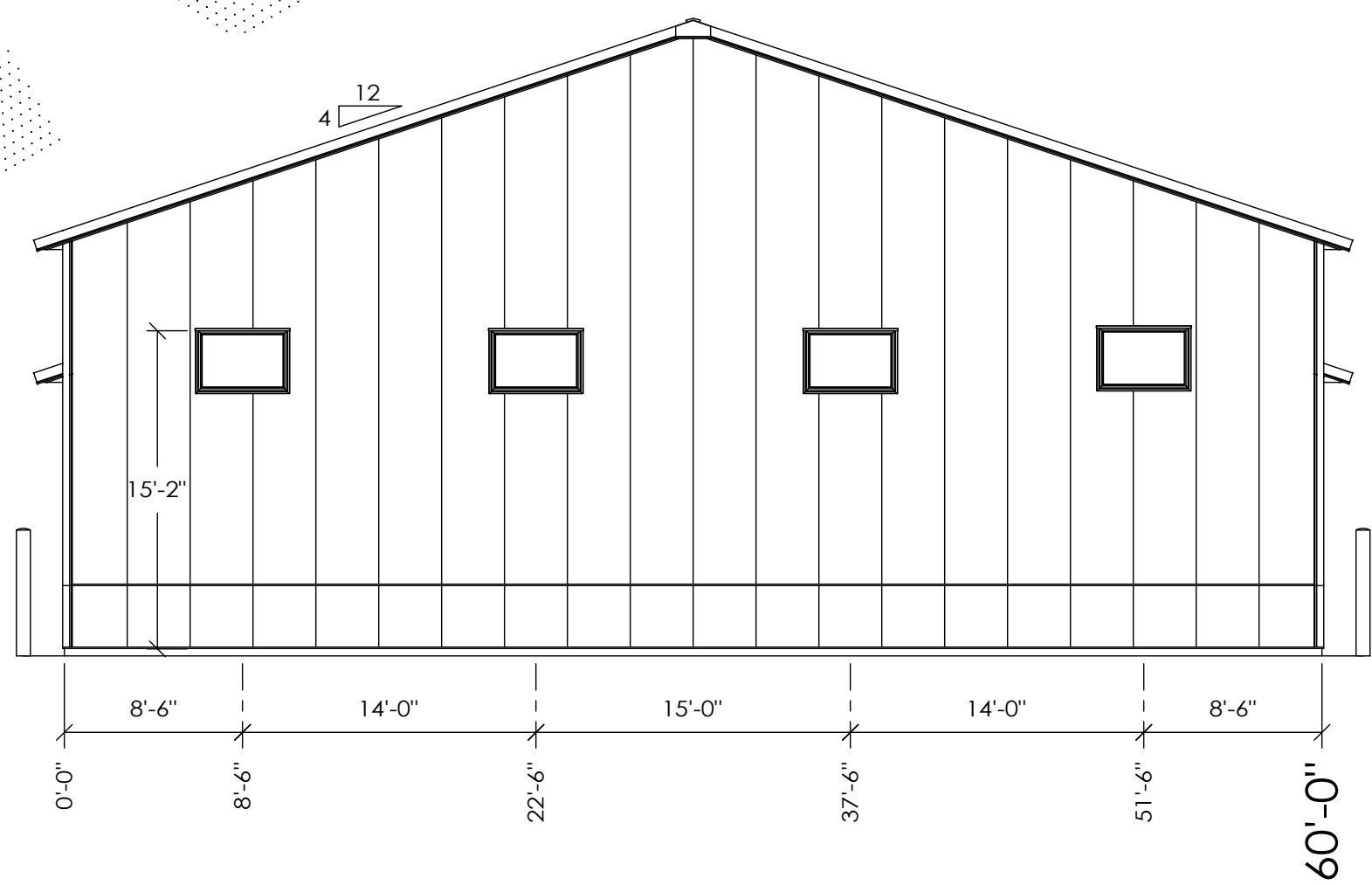
1.) EXTERIOR DOOR AND WINDOW LOCATIONS ARE TAKEN FROM THE EXTERIOR FACE OF THE NAILERS AND ARE TO THE CENTER OF THE DOOR AND WINDOW UNITS. VERIFY ALL DOOR AND WINDOW LOCATIONS WITH THE OWNER.



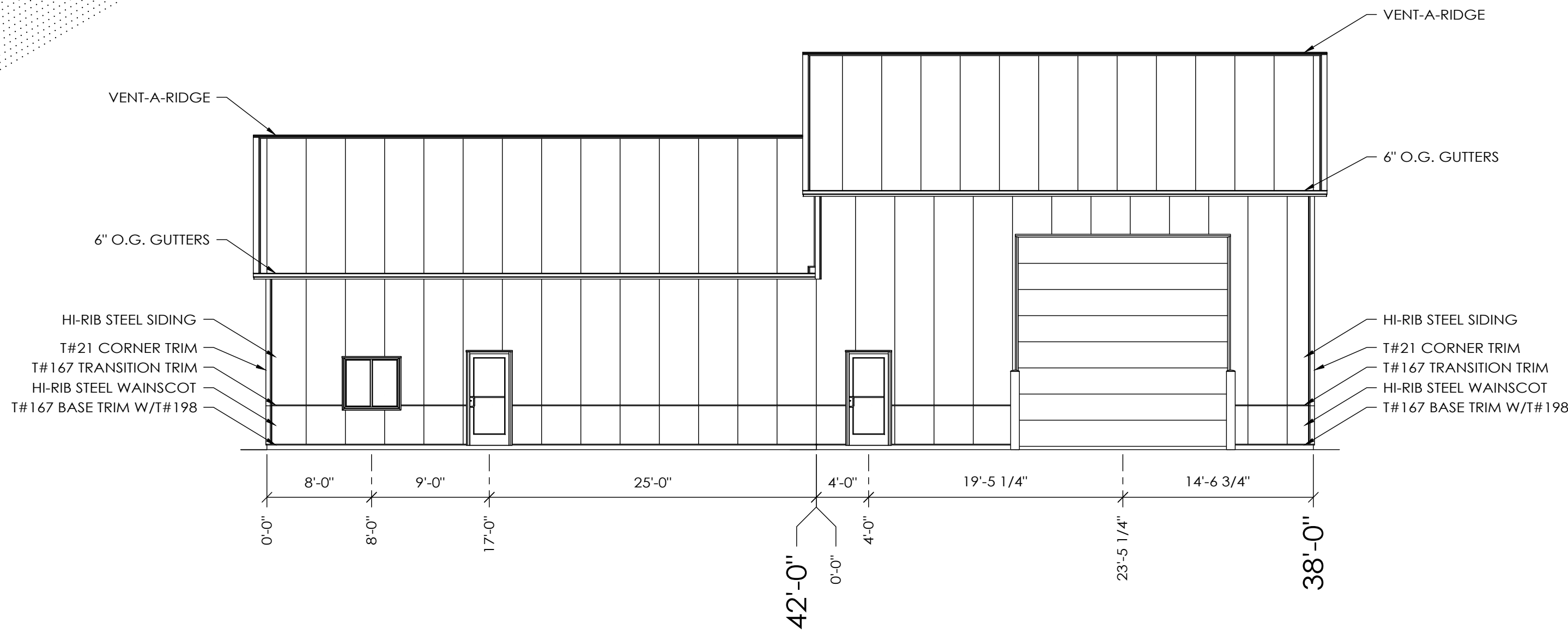
NORTH ELEVATION



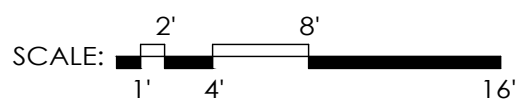
WEST ELEVATION



EAST ELEVATION



SOUTH ELEVATION

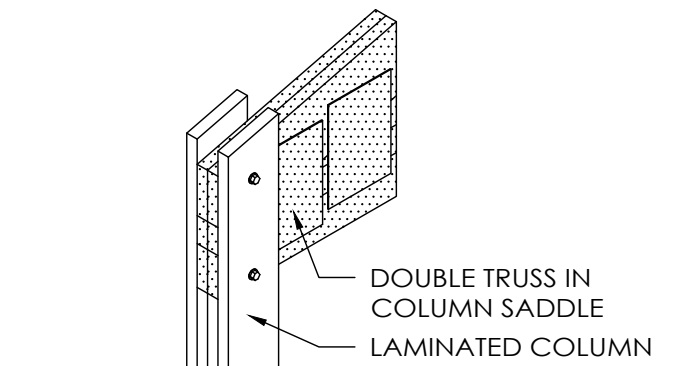


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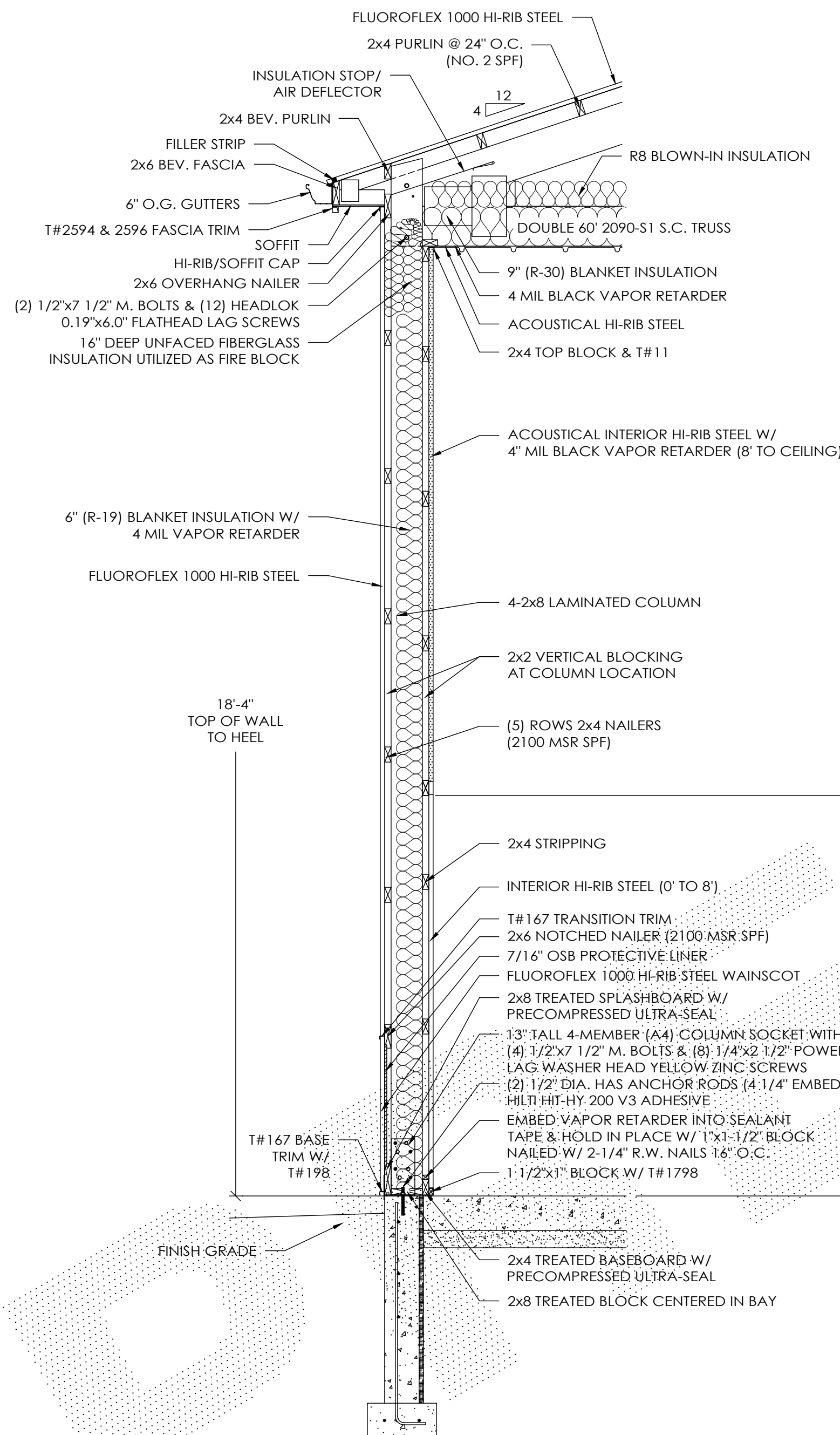
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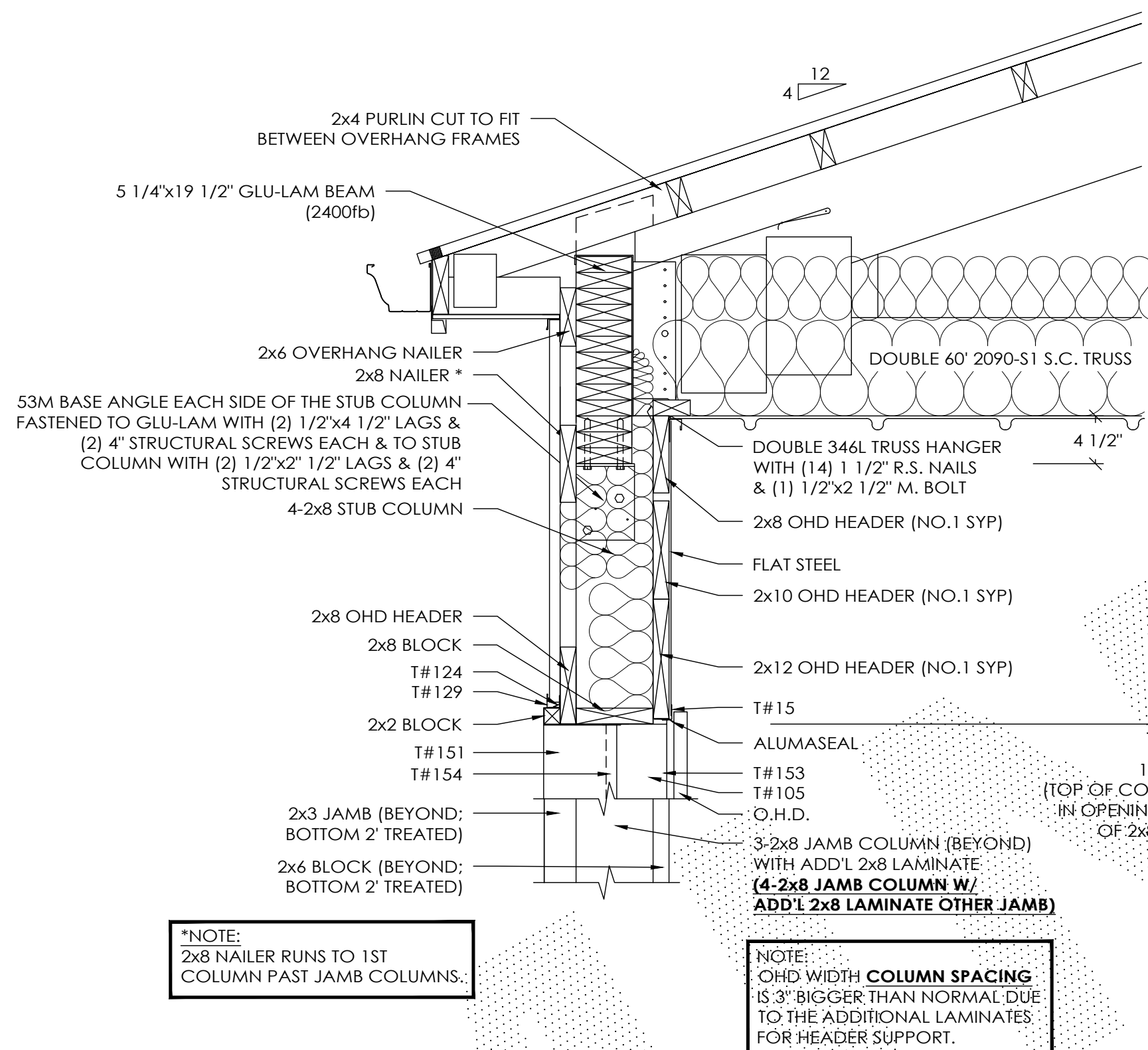
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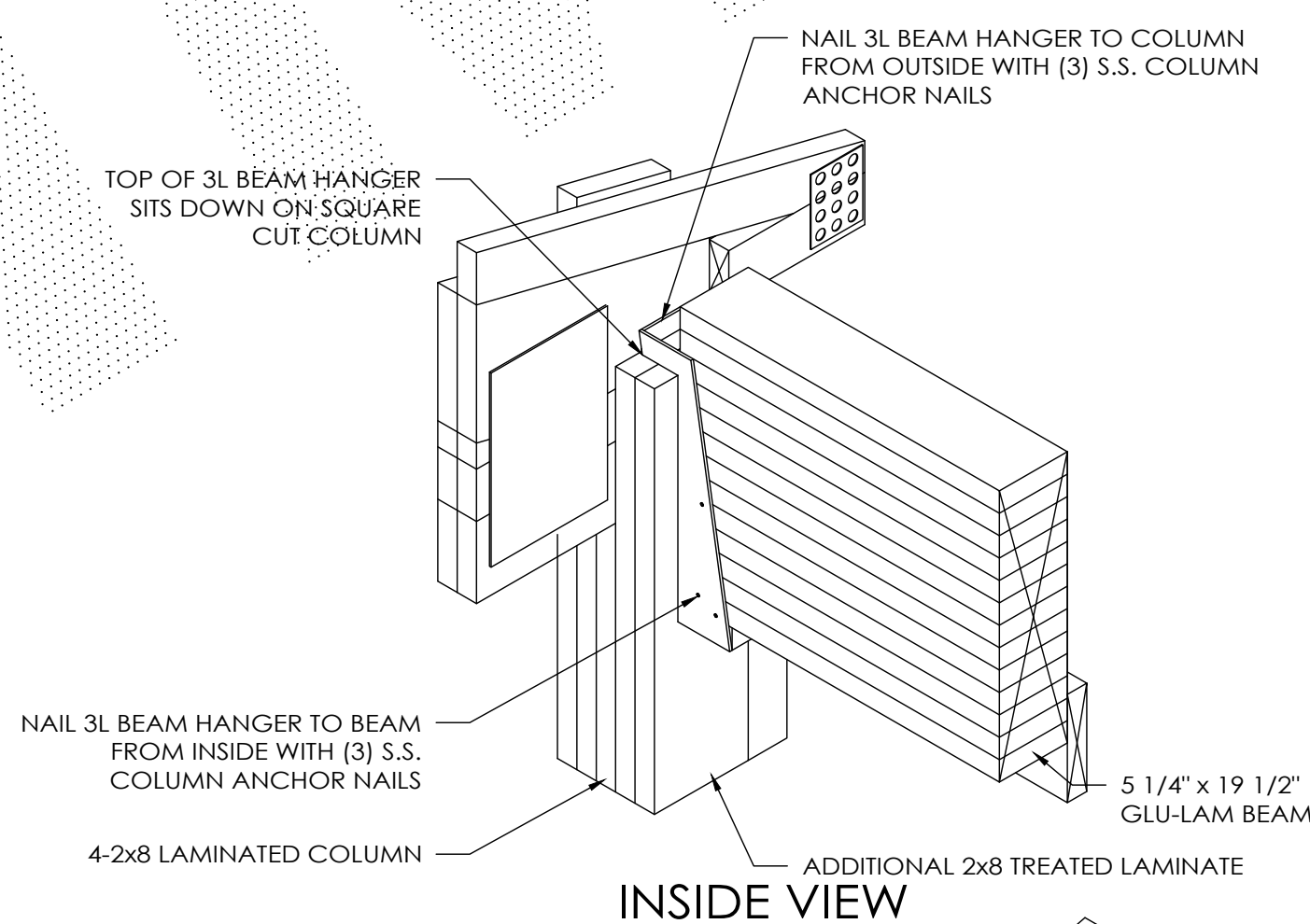
TRUSS SADDLE ISOMETRIC



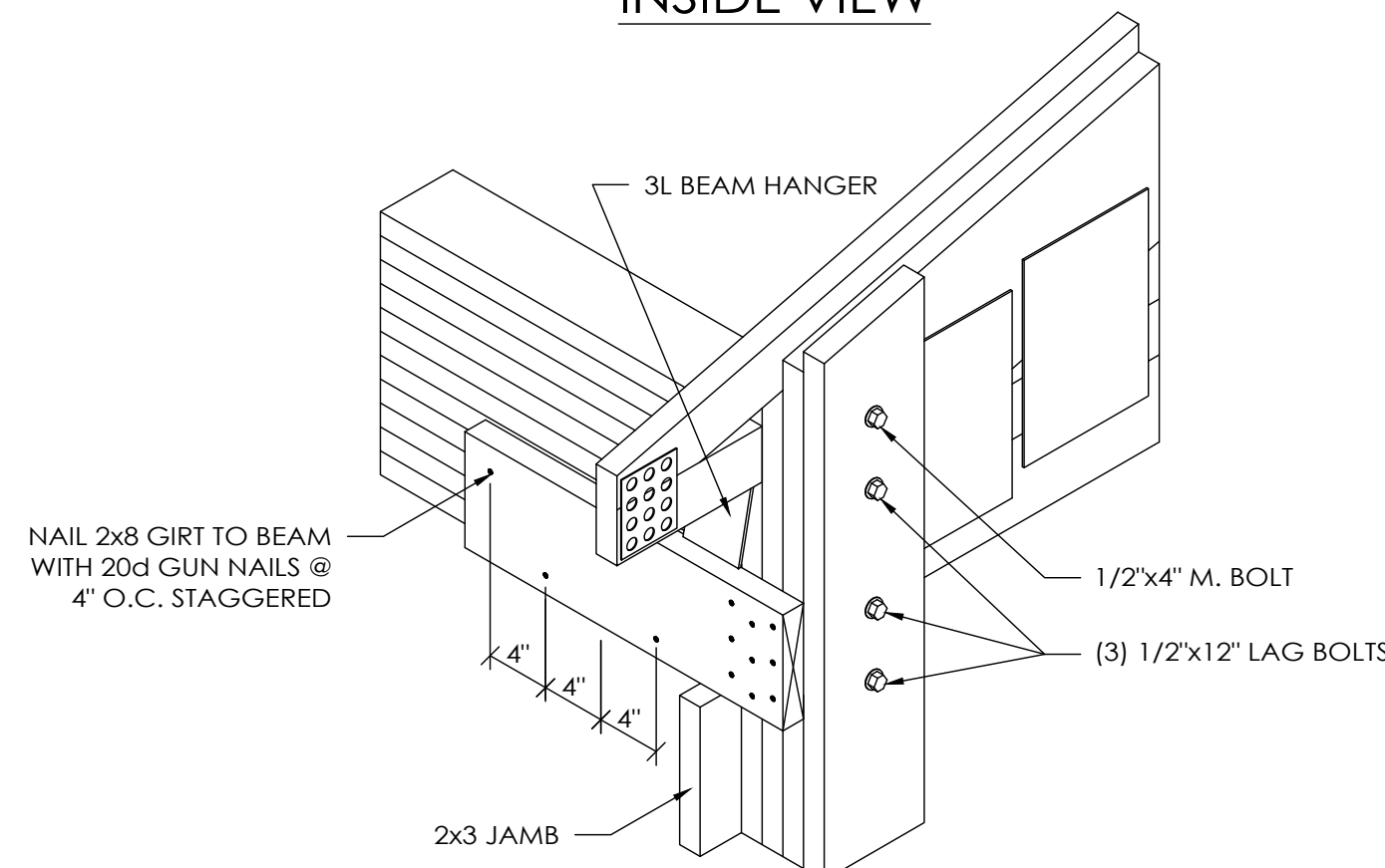
SIDEWALL SECTION A  
SCALE: 1/2" = 1'-0"



OHD HEADER SECTION B  
SCALE: 1" = 1'-0"



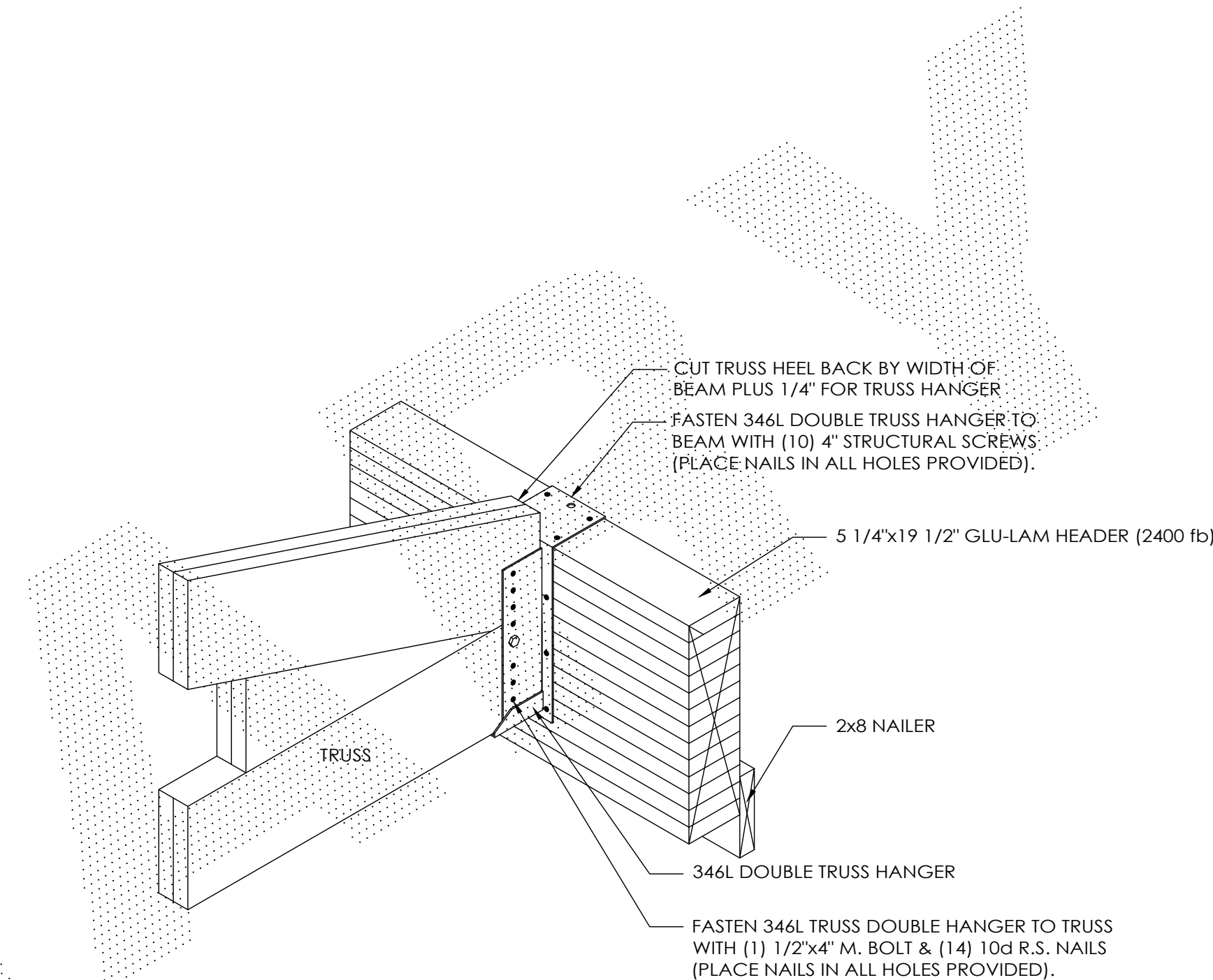
INSIDE VIEW



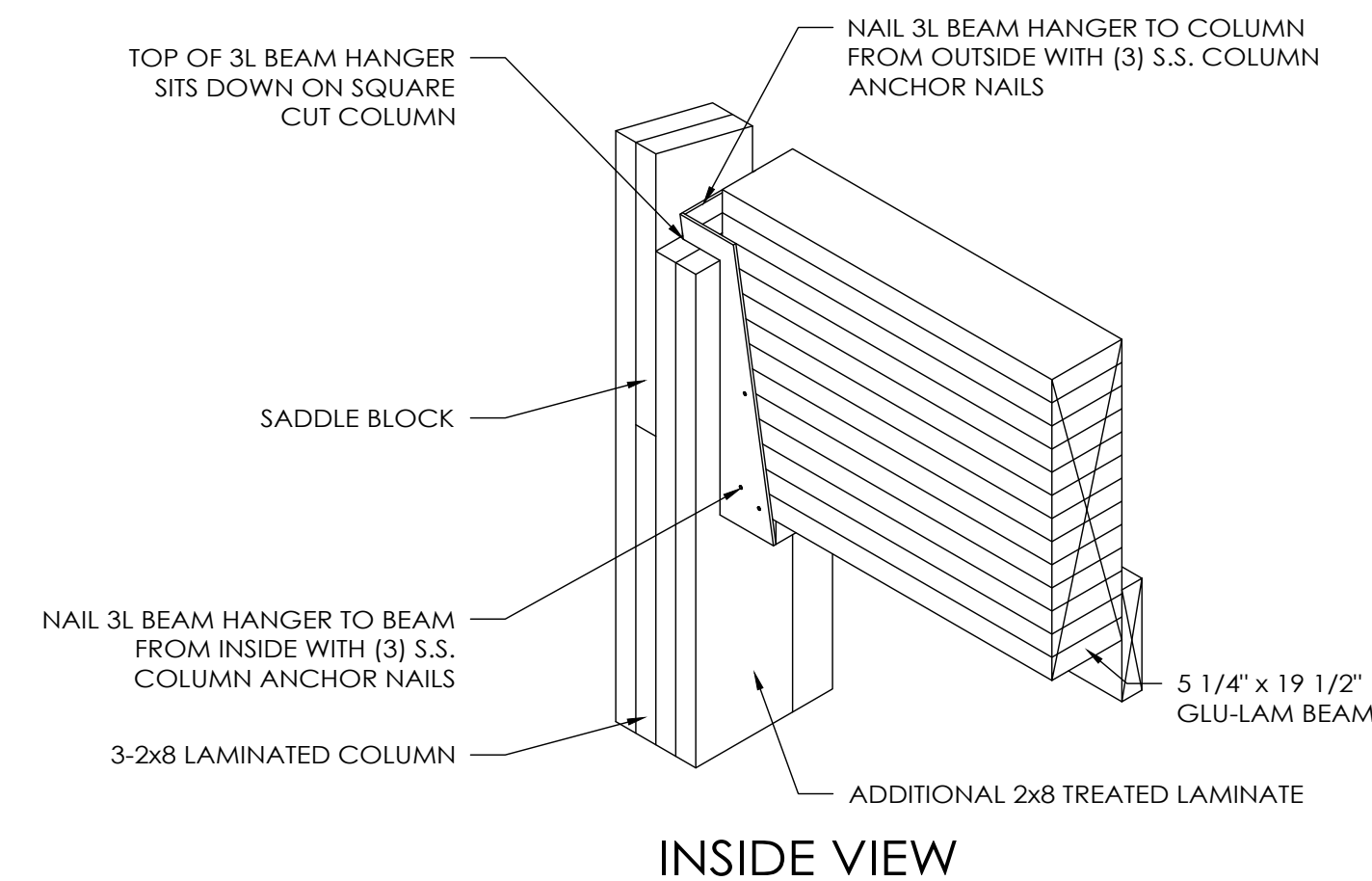
OUTSIDE VIEW

\*NOTE: VIEWS ARE SHOWN WITH 1'-0" OVERHANGS

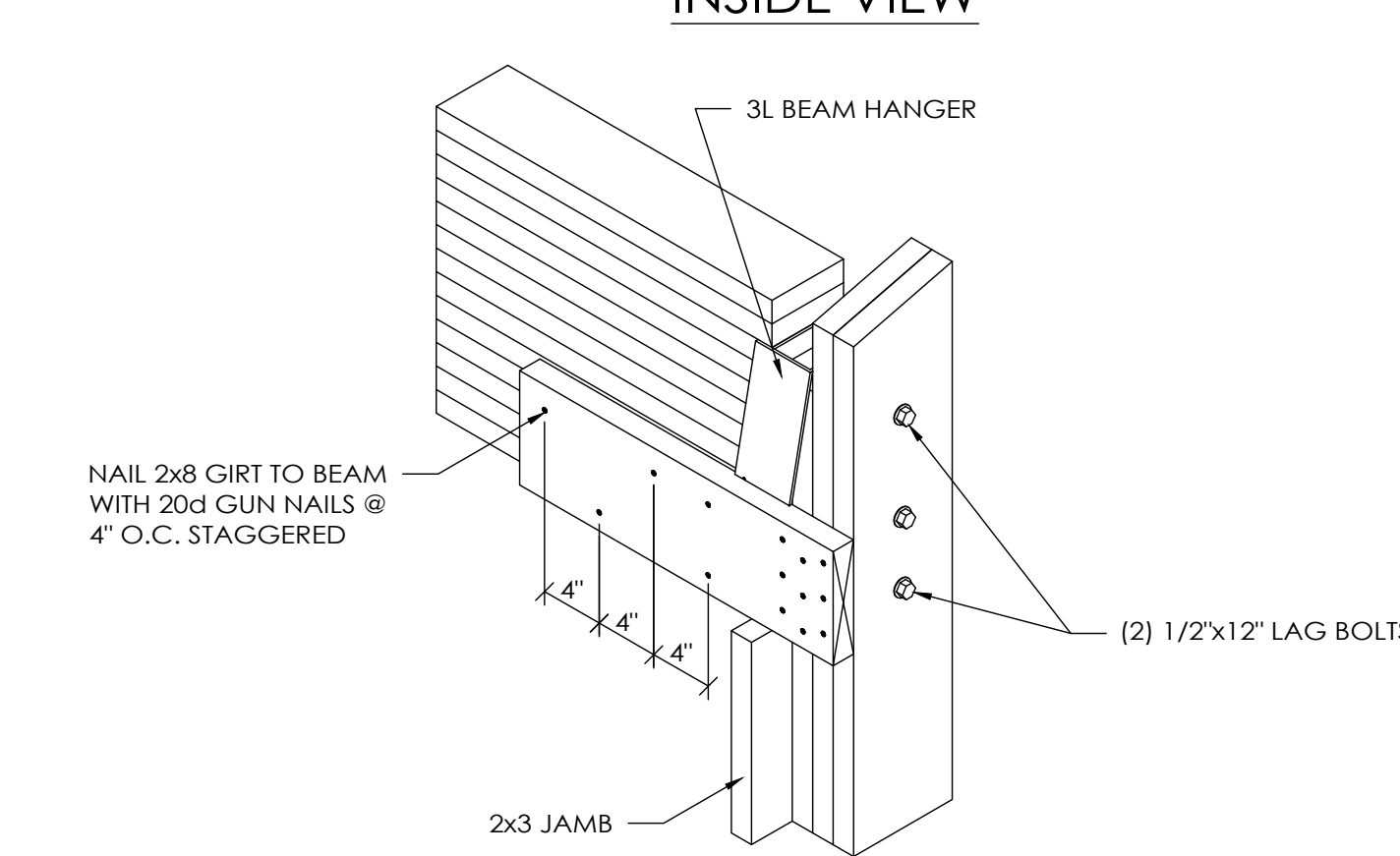
5 1/4" x 19 1/2" GLU-LAM BEAM JAMB DETAILS



TRUSS HANGER ISOMETRIC DETAIL  
(5 1/4"x19 1/2" GLU-LAM HEADER WITH 346L DOUBLE TRUSS HANGER)



INSIDE VIEW

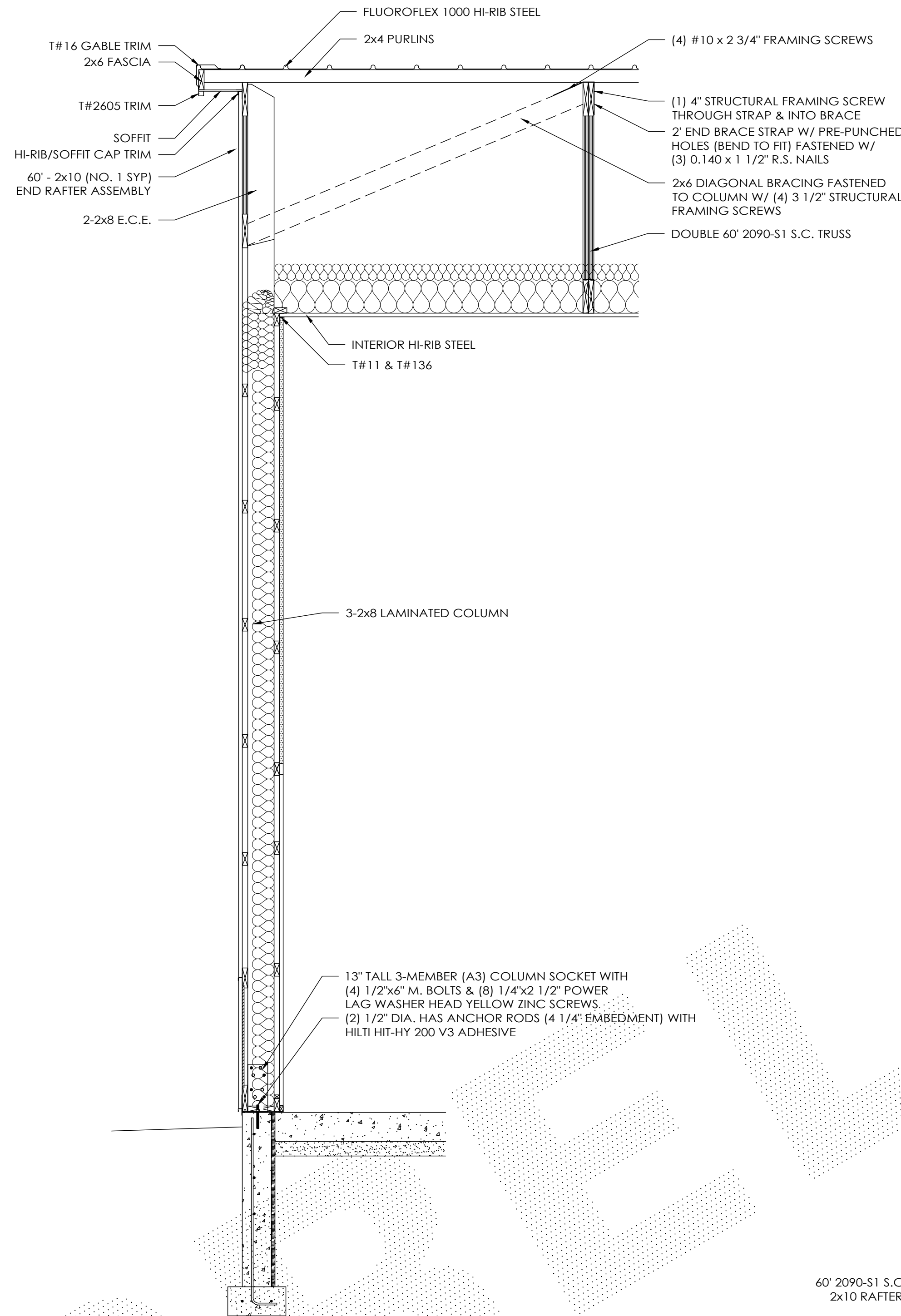


OUTSIDE VIEW

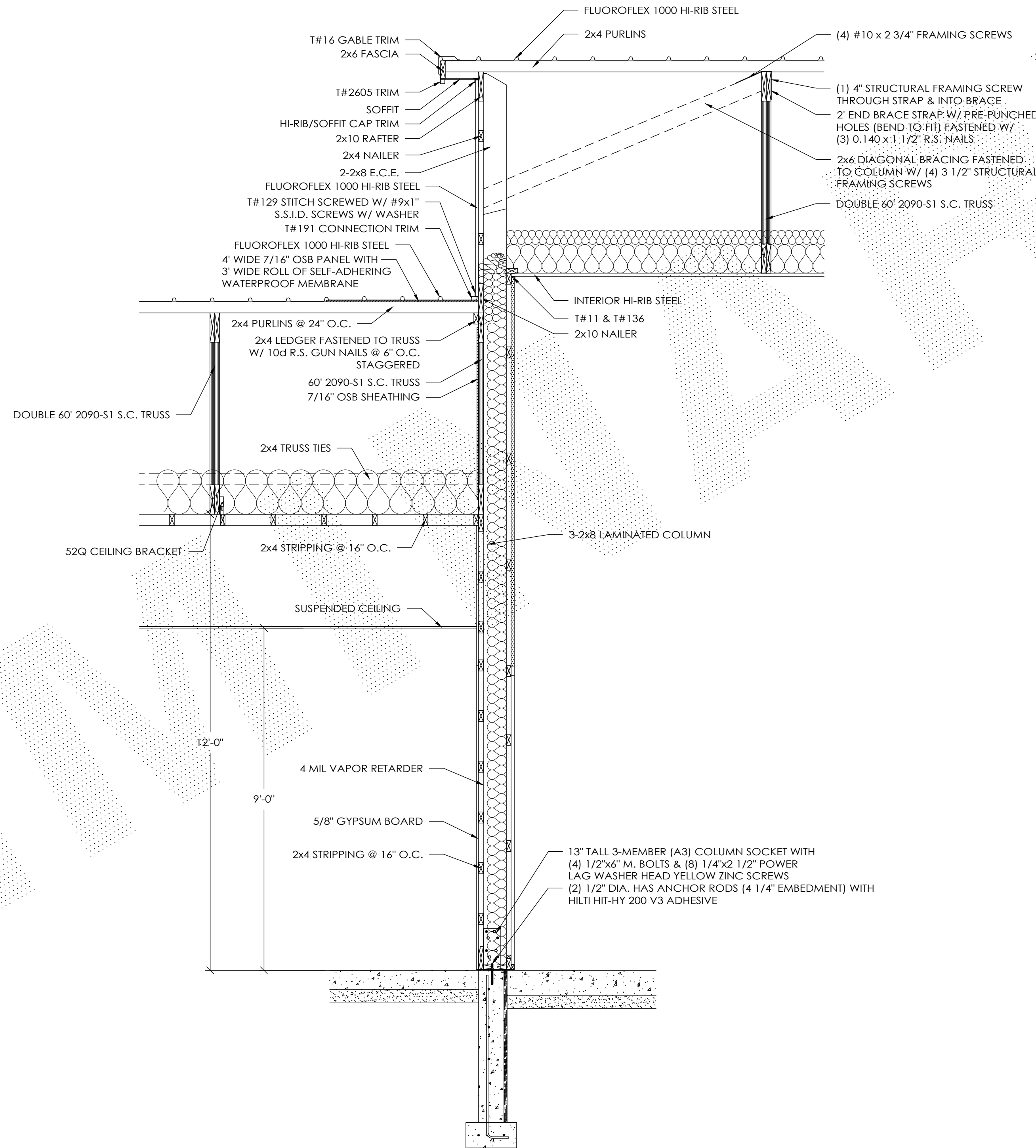
\*NOTE: VIEWS ARE SHOWN WITHOUT OVERHANGS

5 1/4" x 19 1/2" GLU-LAM BEAM JAMB DETAILS

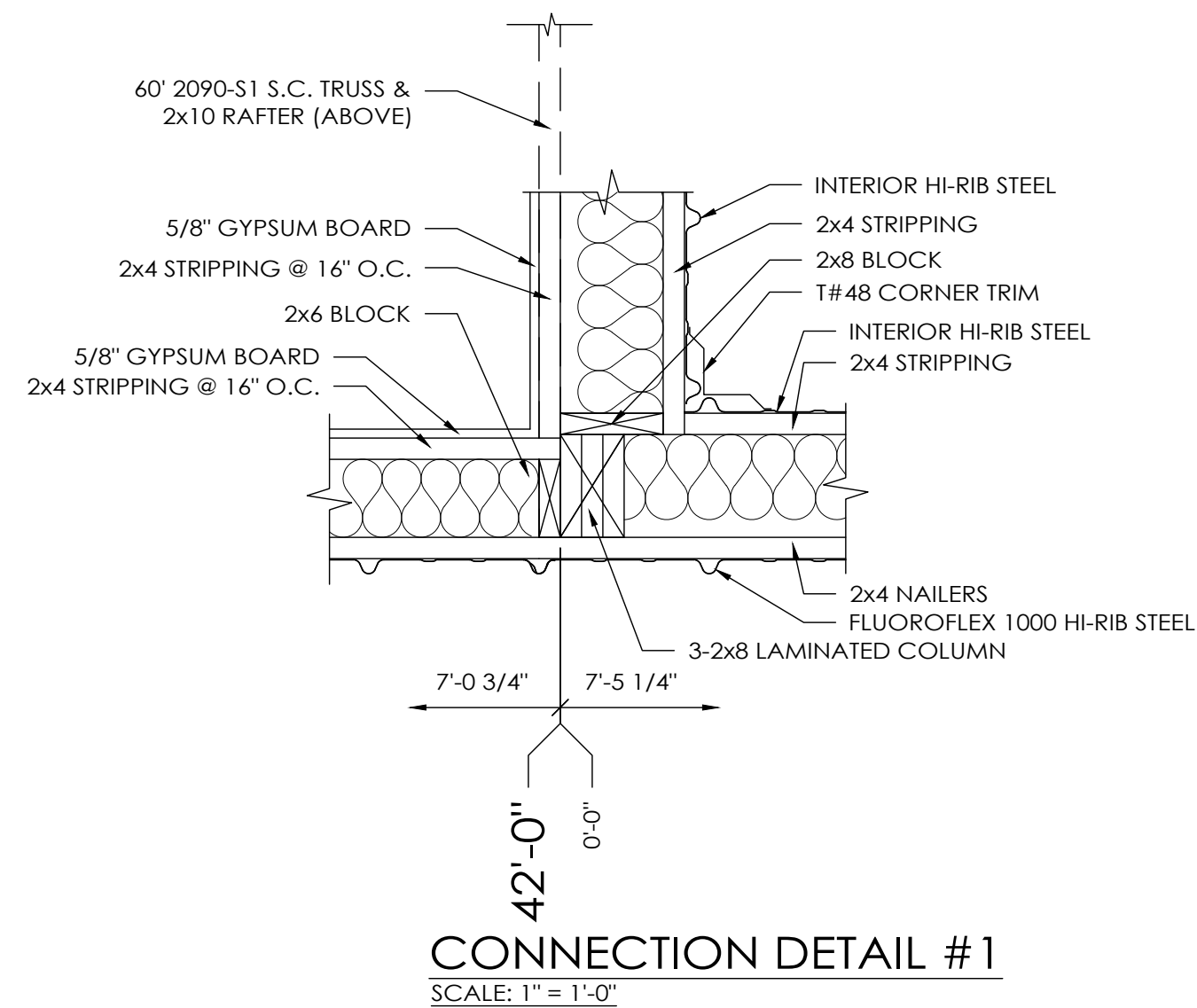




ENDWALL SECTION C  
SCALE: 1/2" = 1'-0"



CONNECTION SECTION D  
SCALE: 1/2" = 1'-0"



CONNECTION DETAIL #1  
SCALE: 1" = 1'-0"



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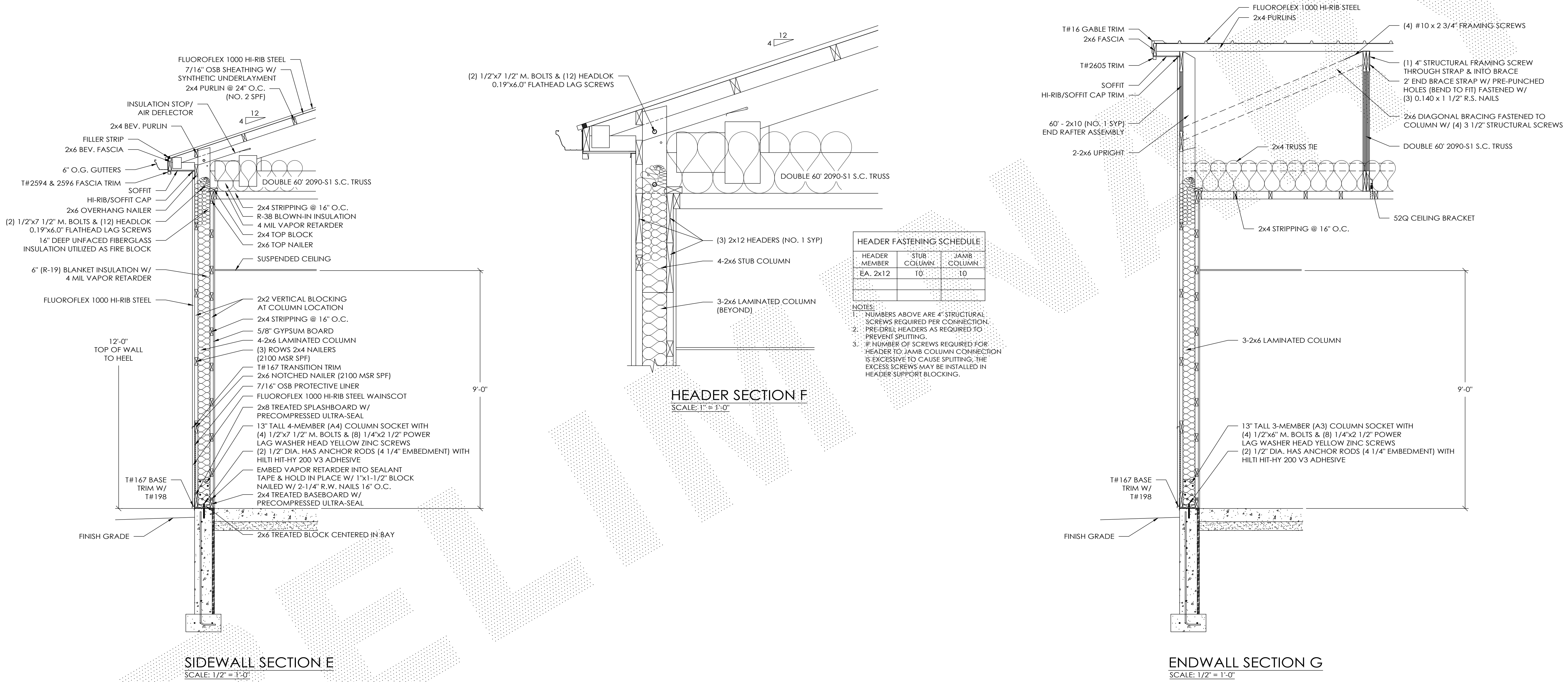
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SHEET NAME:

SECTIONS AND DETAILS

SHEET NO: S7 OF: S9





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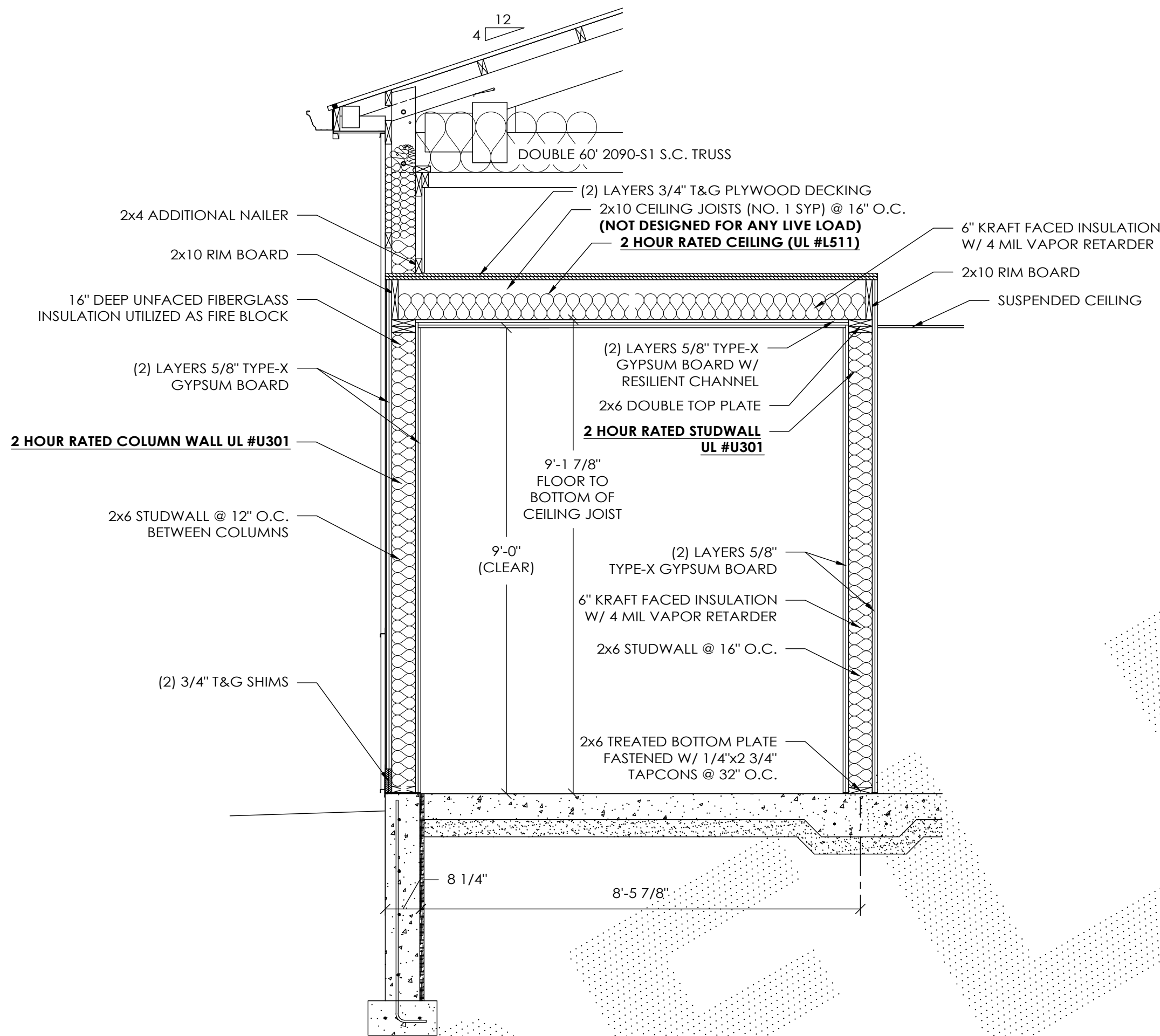
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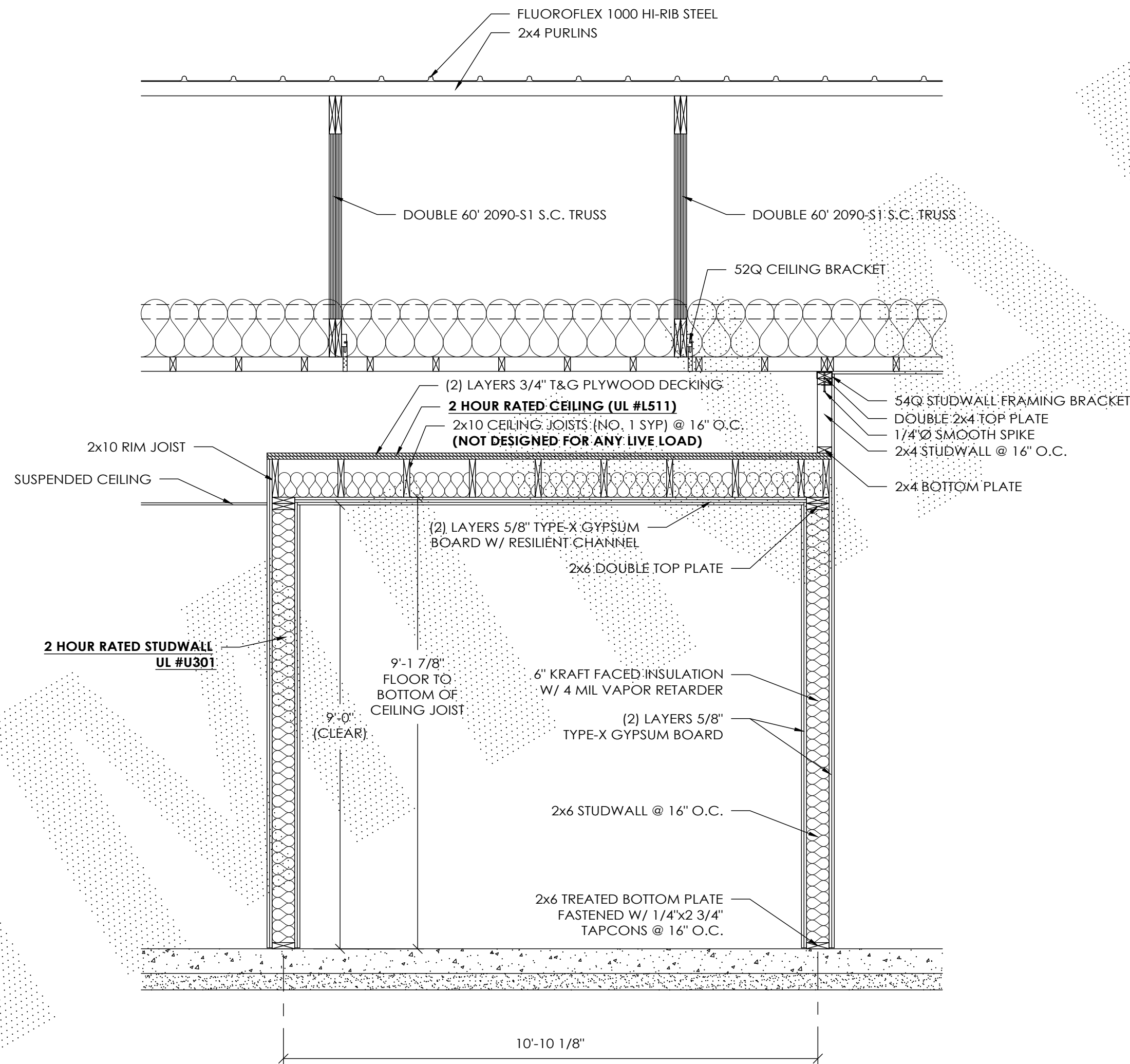
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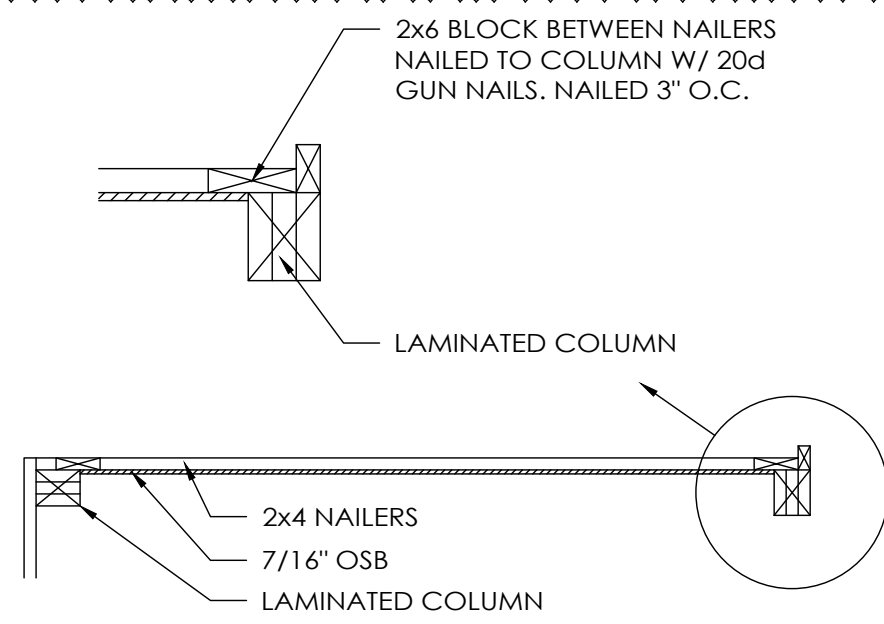
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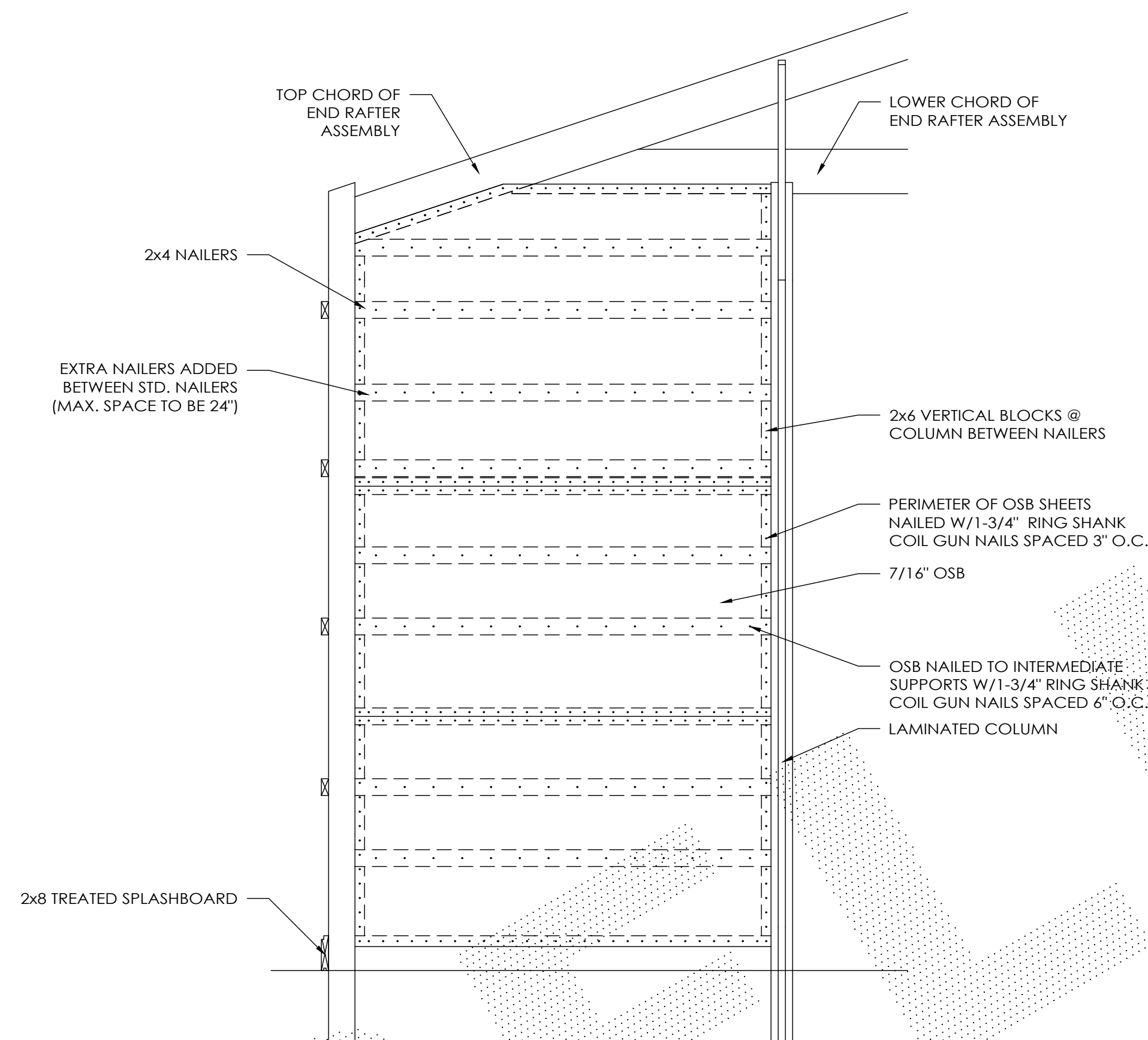
SCADA SIDEWALL SECTION H  
SCALE: 1/2" = 1'-0"



SCADA CROSS SECTION I  
SCALE: 1/2" = 1'-0"



OSB SHEARWALL DETAIL  
SCALE: 1/2" = 1'-0"



7/16" OSB SHEARWALL ELEVATION  
SCALE: 1/2" = 1'-0"

WILL ADJUST ONCE VERIFIED WHERE IT'S GOING  
SHEARWALL ON CONCRETE FOUNDATION



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SHEET NAME:

SECTIONS AND DETAILS

SHEET NO: S9 OF: S9