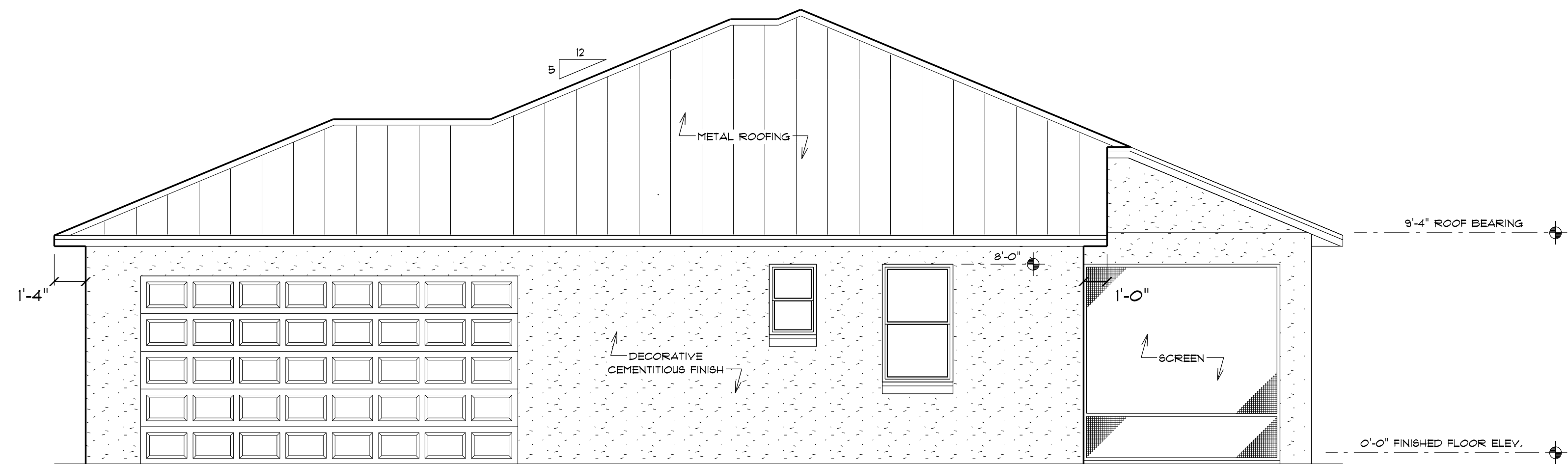


LINTEL SCHEDULE (QUALITY PRECAST)			
PRECAST LINTEL (8"x14"x16" COMPOSITE)			
PRECAST LINTEL COMBINED WITH CHU KNOCKOUT COURSE ABOVE, CHU AND SUPPORTING LINTEL TO BE FILLED WITH 3000# CONCRETE FOR 4" REINFORCED WITH #5 STEEL BARS AS NOTED.			
TOTAL ALLOWABLE SUPERIMPOSED LOAD-POUNDS PER LINEAL FOOT			
LINTEL TYPE/DESIGNATION	LINTEL SIZE	CLEAR SPAN	SAFE LOAD
L A-1	17'-4" x 16" H.	16'-0"	993*
L A-2	14'-0" x 16" H.	15'-0"	143*
L A-3	10'-6" x 16" H.	9'-2"	117*
L A-4	7'-6" x 16" H.	6'-2"	330*
L A-5	4'-6" x 16" H.	3'-2"	10,000*
L A-6	3'-6" x 16" H.	2'-2"	816*
L B-1	6'-8" x 14" H.	5'-4"	287*

HANGER SCHEDULE (SIMPSON)			
HANGER	LOAD	UPLIFT	FASTENERS
HU412	4000*	1135*	(16) 1/4"x2-3/4" TITEN • WALL (6) 10d • BEAM

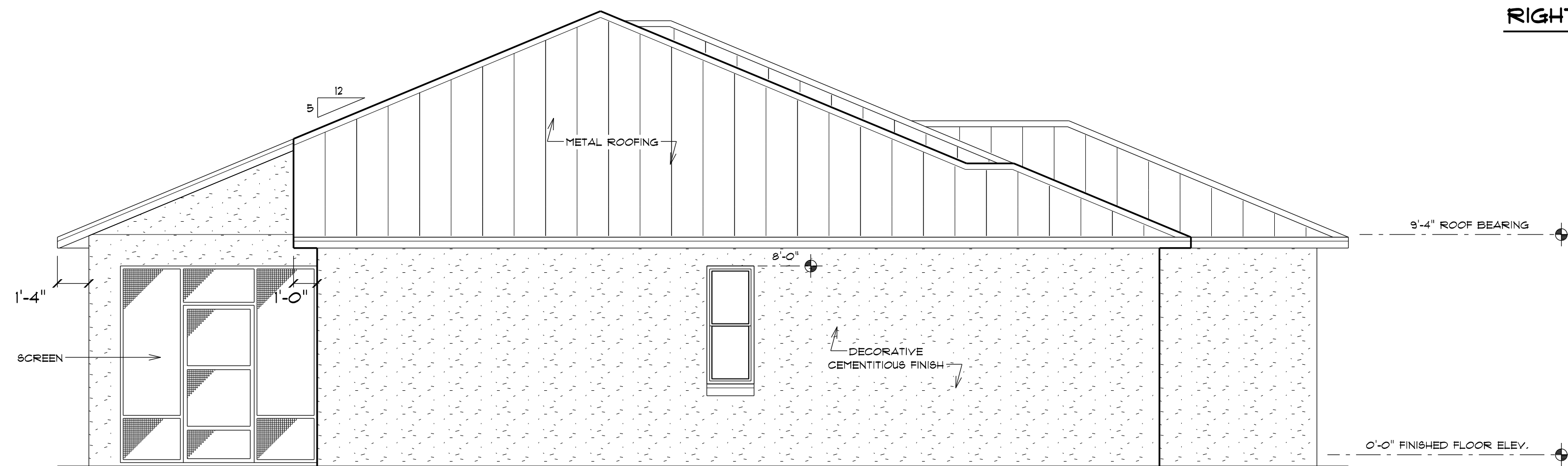
AREA TABULATIONS	
LIVING AREA	1782 SQ. FT.
GARAGE AREA	450 SQ. FT.
COVERED PORCH AREA (REAR)	453 SQ. FT.
COVERED PORCH AREA (FRONT)	110 SQ. FT.
TOTAL AREA	2795 SQ. FT.

• DENOTES FILLED CELL REINFORCED WITH (1) #5 STEEL BAR (SEE MASONRY REINFORCEMENT DETAIL SHEET #5)



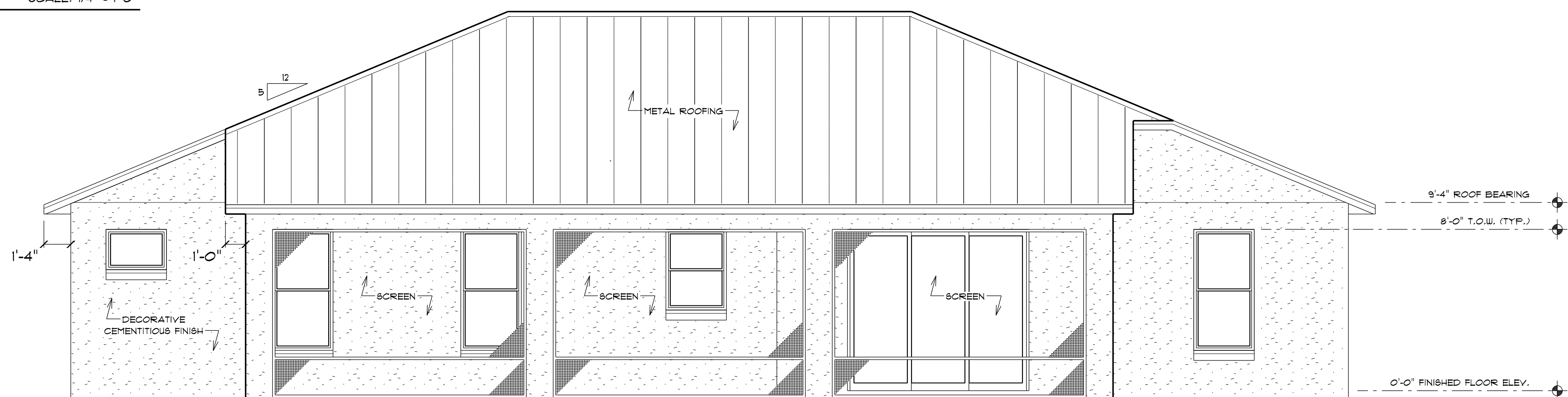
RIGHT ELEVATION

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



LEFT ELEVATION

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



REAR ELEVATION

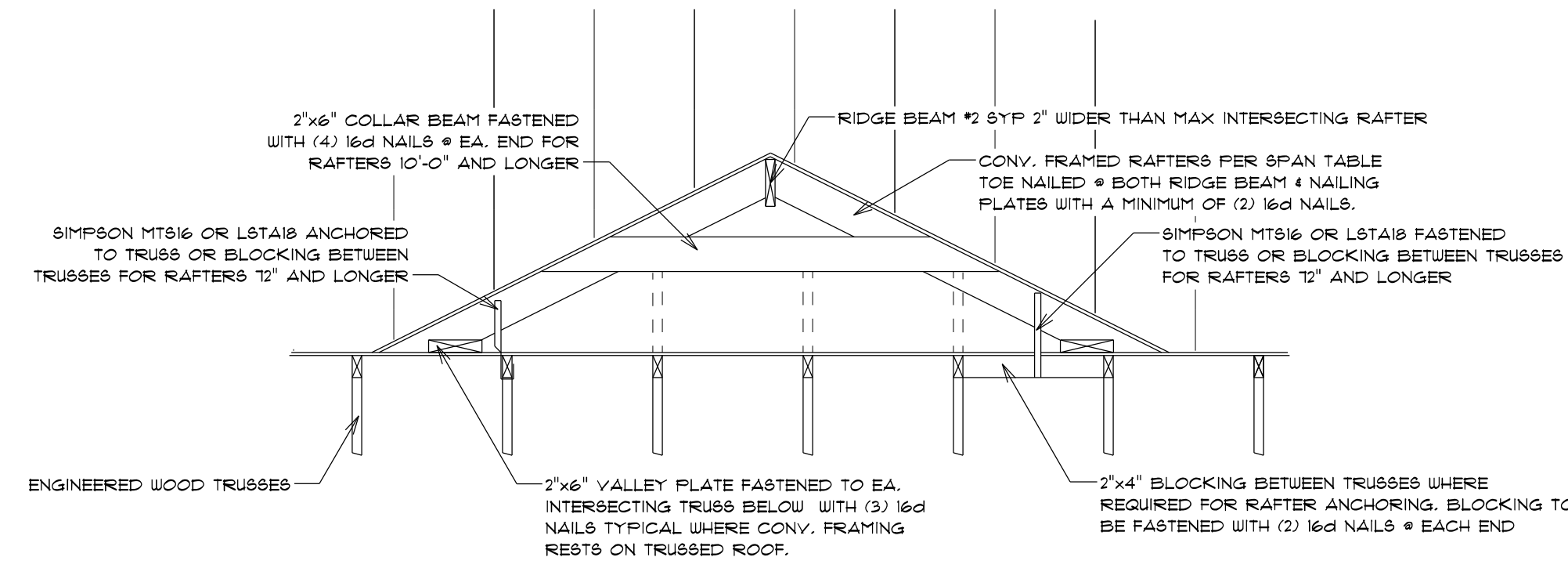
SCALE: 1/4" = 1'-0"



FRONT ELEVATION

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

RAFTER SPANS (#2 SOUTHERN PINE)		
ROOF LIVE LOAD = 20 PSF DEAD LOAD = 10 PSF		
LUMBER SIZE	O.C. SPACING	MAX SPAN
2"x4"	16"	9'-10"
2"x4"	24"	8'-7"
2"x6"	16"	15'-1"
2"x6"	24"	12'-3"
2"x8"	16"	19'-5"
2"x8"	24"	15'-10"
2"x10"	16"	23'-2"
2"x10"	24"	18'-11"
2"x12"	16"	26'-0"
2"x12"	24"	22'-2"

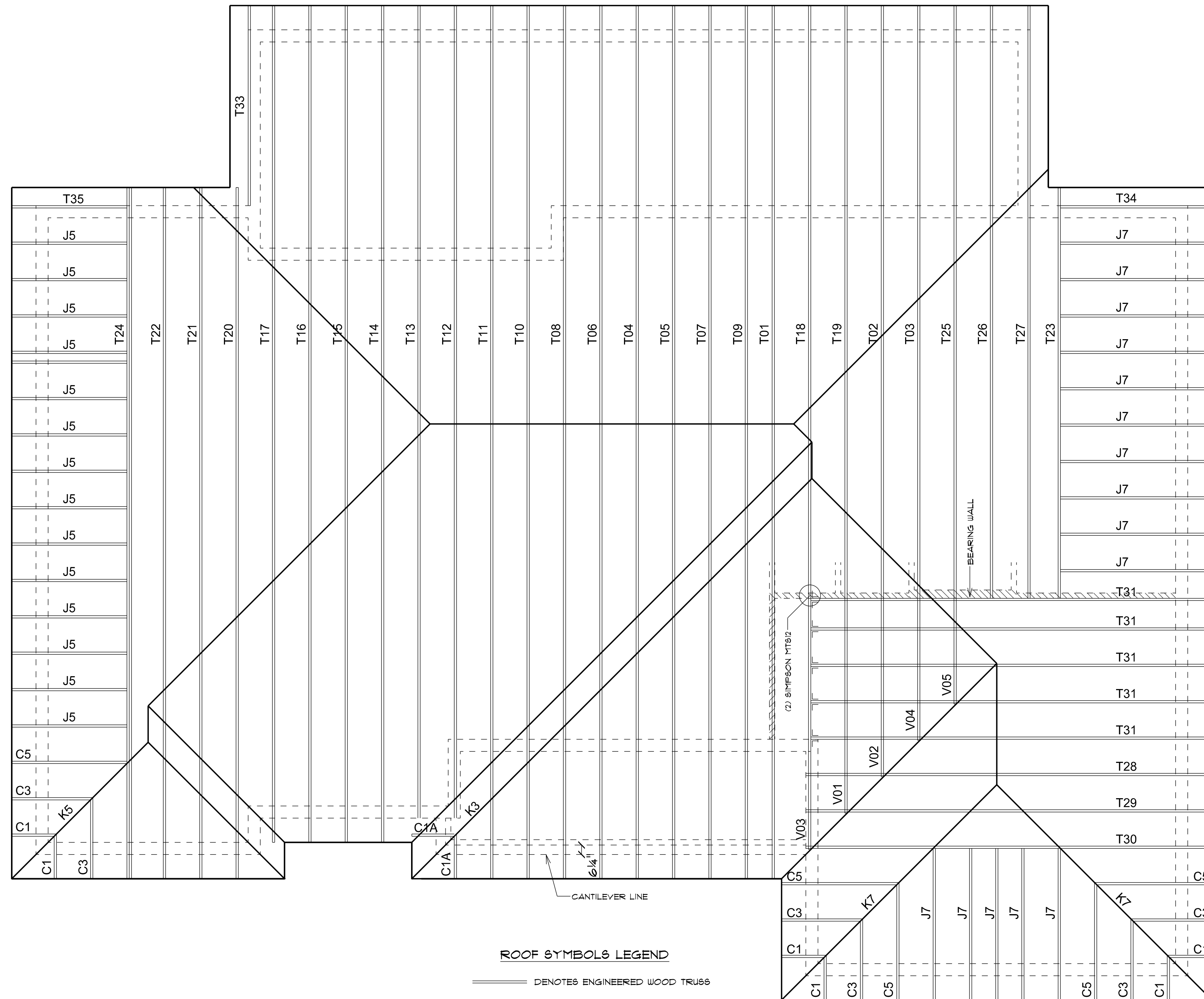


TYPICAL VALLEY FRAMING DETAIL

SCALE: N/A

CONNECTOR SCHEDULE (SIMPSON)				
QTY.	CONNECTOR	UPLIFT	LATERAL	FASTENERS
1	META16	1450*	340*	(7) 10d x 1 1/2"
2	META16	1985*	1285*	(14) 16d
1	MT912/16	860*	75*	(14) 10d x 1 1/2"
1	L8TA18	1235*	N/A	(14) 10d x 1 1/2"
1	MT916	860*	235*	(7) 10d x 1 1/2" TRUSS (4) 1/4"x2-1/4" TITEN @ WALL

* INSTALL HALF OF THE FASTENERS ON EACH END OF THE STRAP TO ACHIEVE FULL LOADS
NOTE: MT916 MAY BE USED AS A REPAIR FOR MISPLACED TRUSS ANCHORS



ROOF SYMBOLS LEGEND

- DENOTES ENGINEERED WOOD TRUSS
- DENOTES CONV. FRAME PER VALLEY DETAIL & SPAN TABLE
- DENOTES METAL TRUSS HANGER

TRUSS ANCHORING NOTES

- A. ALL ENGINEERED WOOD TRUSSES TO BE SPACED @ 24" O.C. AND ANCHORED TO MASONRY WALLS AND BEAMS @ BEARING POINTS WITH (1) SIMPSON META16 EMBEDDED IN POURED CONCRETE BOND BEAM. EXCEPTIONS AS FOLLOWS:
 1. GABLE TRUSSES #T33, #T33, #T33 TO BE ANCHORED BY SIMPSON META16 @ 48" O.C.
- B. ALL ENGINEERED WOOD TRUSSES TO BE ANCHORED TO FRAME WALLS & BEAMS @ BEARING POINTS WITH 1 SIMPSON MT912. EXCEPTION AS FOLLOWS:
 1. TRUSS #T16 TO BE ANCHORED BY 2 SIMPSON MT912 @ NOTED BEARING POINT
- C. VALLEY TRUSSES #V01 - #V06 TO BE ANCHORED TO SUPPORTING TRUSSES BELOW WITH SIMPSON MT912 @ 48" O.C. MAX.
- D. ALL REQUIRED ENGINEERED METAL TRUSS HANGERS TO BE SPECIFIED BY TRUSS MANUFACTURER.
- E. ALL ENGINEERED METAL TRUSS ANCHORS TO BE INSTALLED PER MANUFACTURER'S SPECS.

ATTIC VENTING

FORMULA: CEILING AREA (SQ. IN.) / 300 = REQUIRED SQ. IN. VENTING
NET FREE AREA REQUIRED = 1342 SQ. IN.
50% NEAR RIDGE (PROVIDE RIDGE VENTS @ 671 SQ. IN. NET FREE AREA)
50% NEAR SOFFIT (PROVIDE VENTED SOFFIT @ 112 LIN. FT. @ 6 SQ. IN. PER LIN. FT. @ 672 SQ. IN.) TOTAL: > 1343 SQ. IN. NET FREE AREA.

ROOF ASSEMBLY DETAILS

SHEATHING TYPE & FASTENING:
15/32" CDX OR 9/16" OSB SHEATHING FASTENED WITH 2-3/8"x0.113" RINGSHANK NAILS SPACED @ 6" O.C.

ROOFING TYPE & FASTENING:
METAL ROOFING SYSTEM SHALL COMPLY WITH ASTM A653. INSTALLATION SHALL BE PER THE MFG. SPECS - PER FBC-R 9305.10.4 UNDERLAYMENT SHALL COMPLY AND BE INSTALLED IN ACCORDANCE WITH SECTION 9305.1.1.

UNDERLAYMENT TYPE:
TWO LAYERS OF 30" ASPHALT SATURATED FELT COMPLYING WITH ASTM D226 TYPE II OR ASTM D4869 TYPE III OR TYPE IV. UNDERLAYMENT SHALL BE INSTALLED AS FOLLOWS:
APPLY A 18-INCH (483 MM) STRIP OF UNDERLAYMENT FELT PARALLEL TO AND STARTING AT THE EAVES, FASTENED SUFFICIENTLY TO HOLD IN PLACE, STARTING AT THE EAVE.
APPLY 36-INCH WIDE (914 MM) SHEETS OF UNDERLAYMENT, OVERLAPPING SUCCESSIVE SHEETS 18 INCHES (483 MM). END LAPS SHALL BE 6 INCHES AND SHALL BE OFFSET BY 6 FEET. THE UNDERLAYMENT SHALL BE ATTACHED TO A NAILABLE DECK WITH CORROSION-RESISTANT FASTENERS WITH ONE ROW CENTERED IN THE FIELD OF THE SHEET WITH A MAXIMUM FASTENER SPACING OF 12 INCHES (305 MM) O.C., AND ONE ROW AT THE END AND SIDE LAPS FASTENED 6 INCHES (152 MM) O.C. UNDERLAYMENT SHALL BE ATTACHED USING ANNULAR RING OR DEFORMED SHANK NAILS WITH METAL OR PLASTIC CAPS WITH A NOMINAL CAP DIAMETER OF NOT LESS THAN 1/8" INCH. METAL CAPS ARE REQUIRED WHERE THE ULTIMATE DESIGN WIND SPEED, VULT, EQUALS OR EXCEEDS TO MPH. METAL CAPS SHALL HAVE A THICKNESS OF NOT LESS THAN 32-GAUGE SHEET METAL. POWER-DRIVEN METAL CAPS SHALL HAVE A MINIMUM THICKNESS OF 0.010 INCH. MINIMUM THICKNESS OF THE OUTSIDE EDGE OF PLASTIC CAPS SHALL BE 0.035 INCH. THE CAP NAIL SHANK SHALL BE NOT LESS THAN 0.083 INCH FOR RING SHANK CAP NAILS. CAP NAIL SHANK SHALL HAVE A LENGTH SUFFICIENT TO PENETRATE THROUGH THE ROOF SHEATHING OR NOT LESS THAN 3/4 INCH INTO THE ROOF SHEATHING.

ROOF PLAN/TRUSS LAYOUT

SCALE 1/4" = 1'-0"