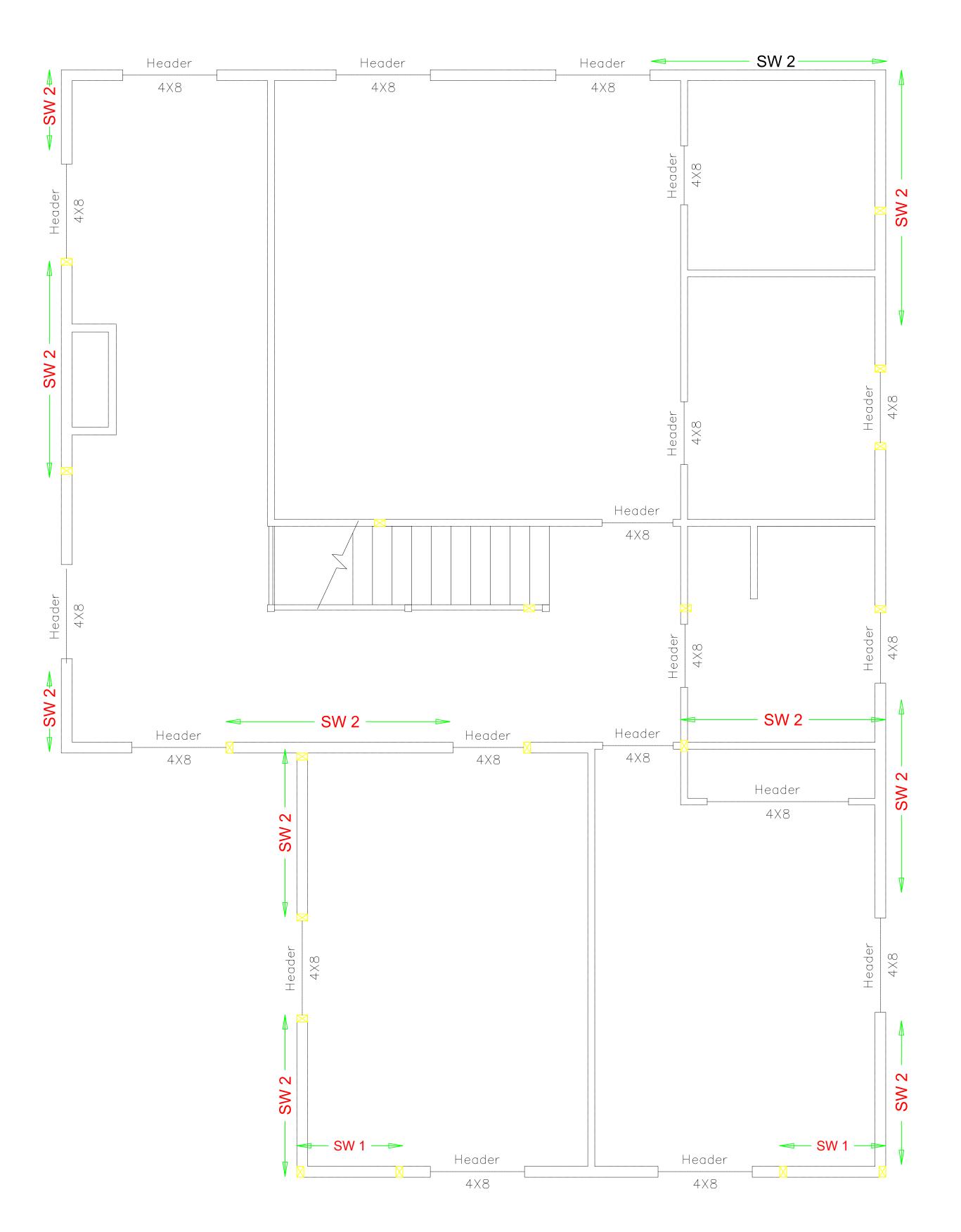
PROPOSED CUSTOM RES FOR ZEHR-ADDITION/ REMODEL

STRUCTURAL DRAWINGS

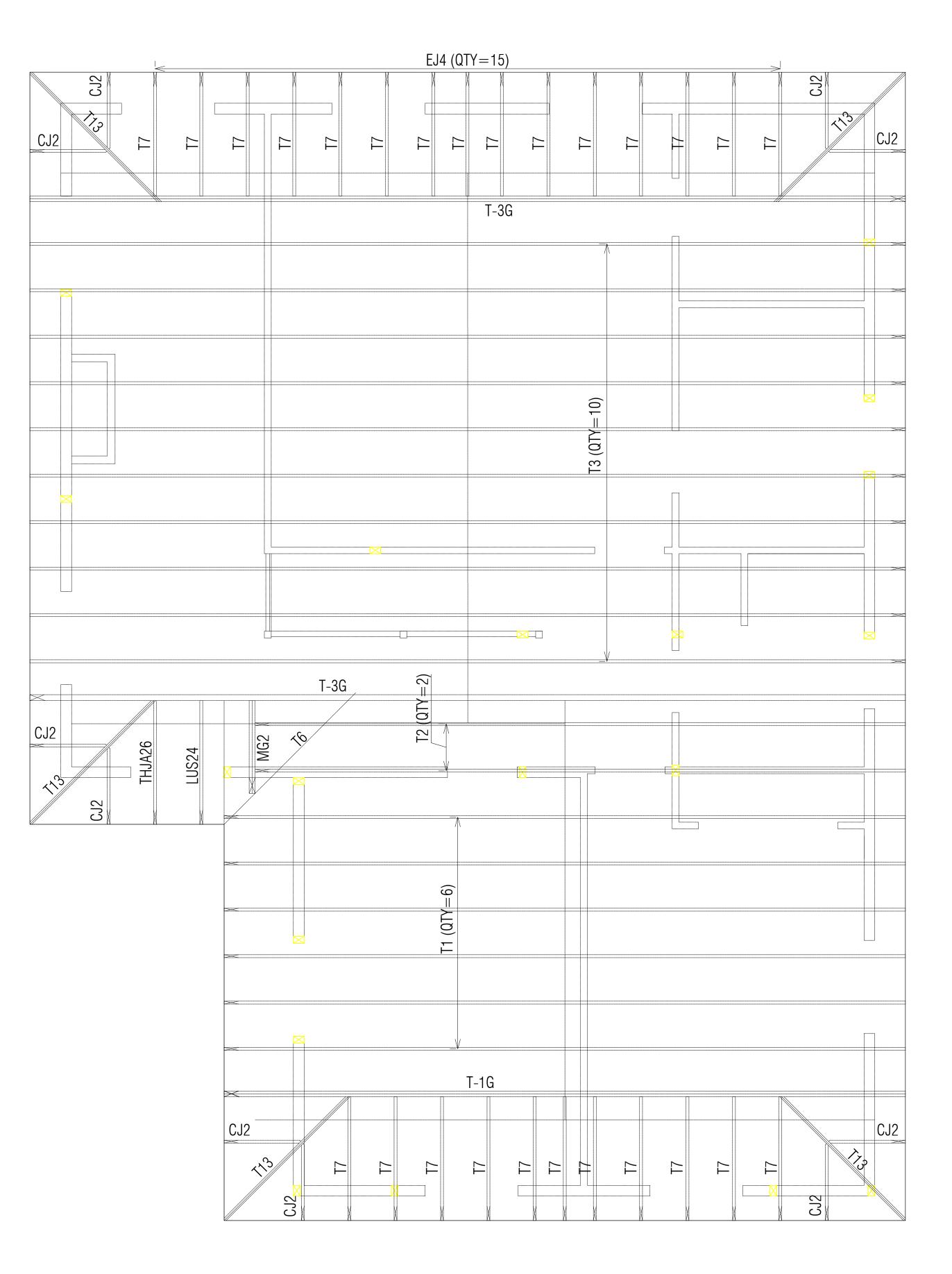
SCALE: AS NOTED
SHEET NO:



2ND FLOOR FRAMING PLAN

SCALE: AS NOTED

S-02



TOTAL TRUSS QUANTITY=69

Roof Plan Sheathing Area = 1990 sq. ft Gable Sheathing Area = 276 sq. ft
Total Sheathing Area = 2266 sq. ft
Fascia Material = 174 linear ft Valley Flashing Material = 22 linear ft Ridge cap Material = 33 linear ft Hip Ridge Material = 79 linear ft

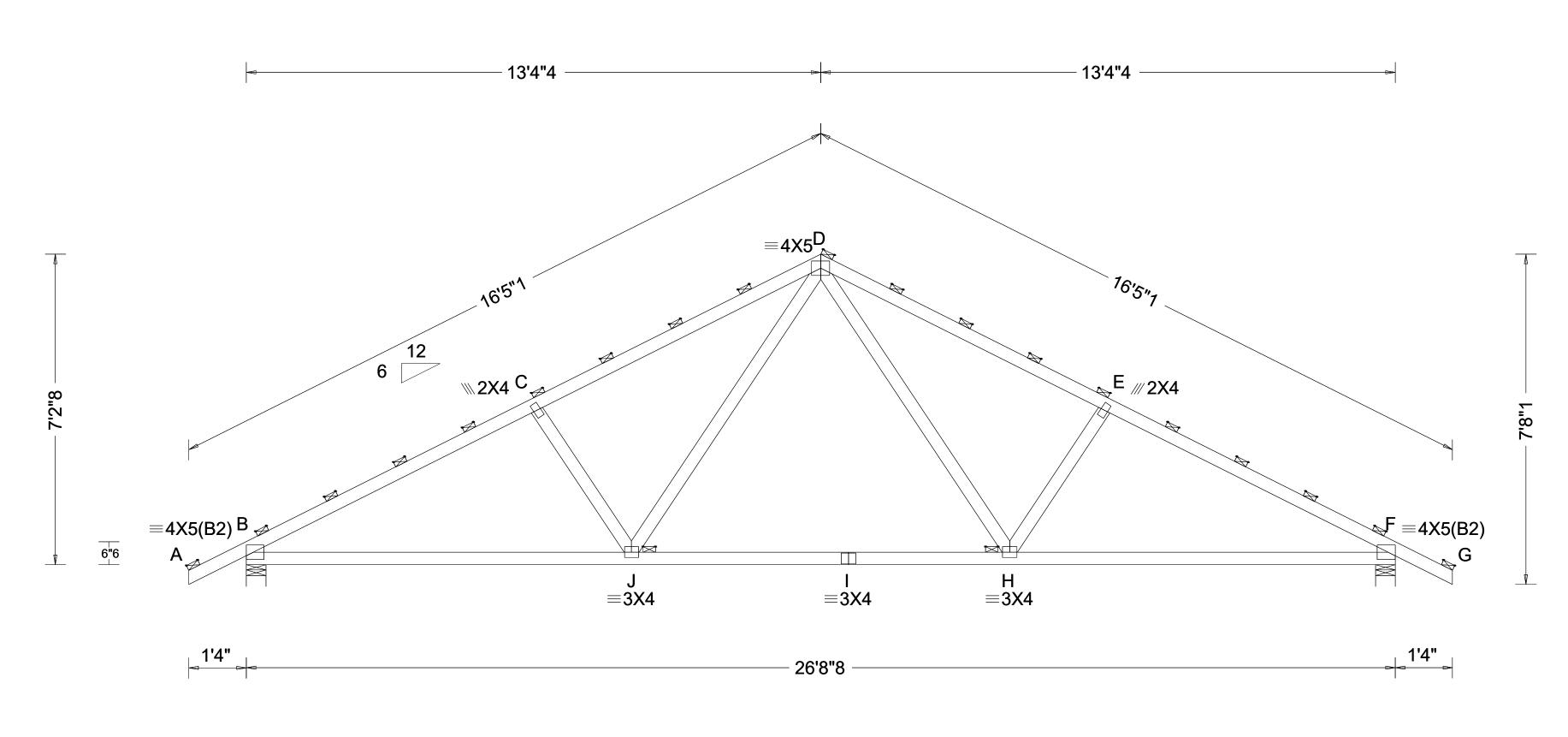
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DATE: 16-01-25

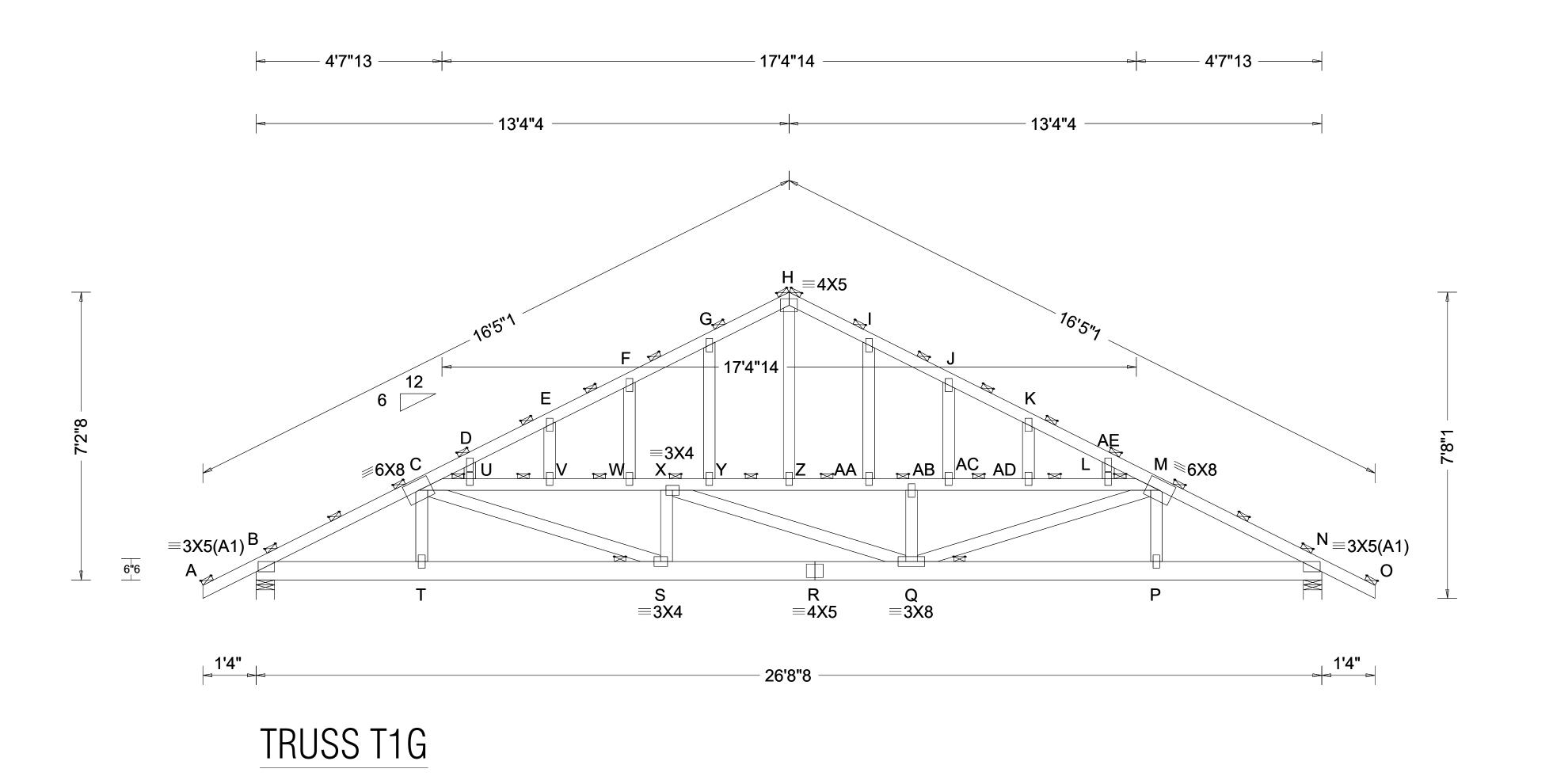
PLOT DATE:

SCALE: AS NOTED

SHEET NO:



TRUSS T1



DRAWN BY: D.L

DATE: 16-01-25

PLOT DATE:

SCALE: AS NOTED

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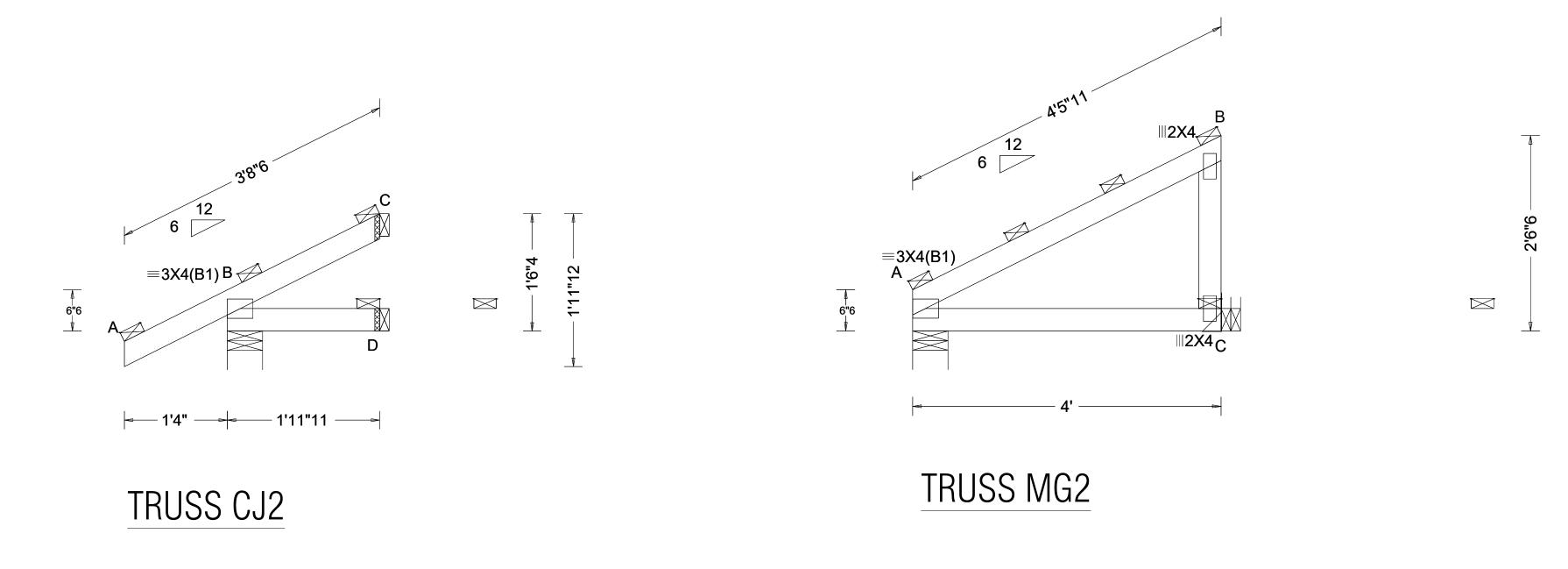
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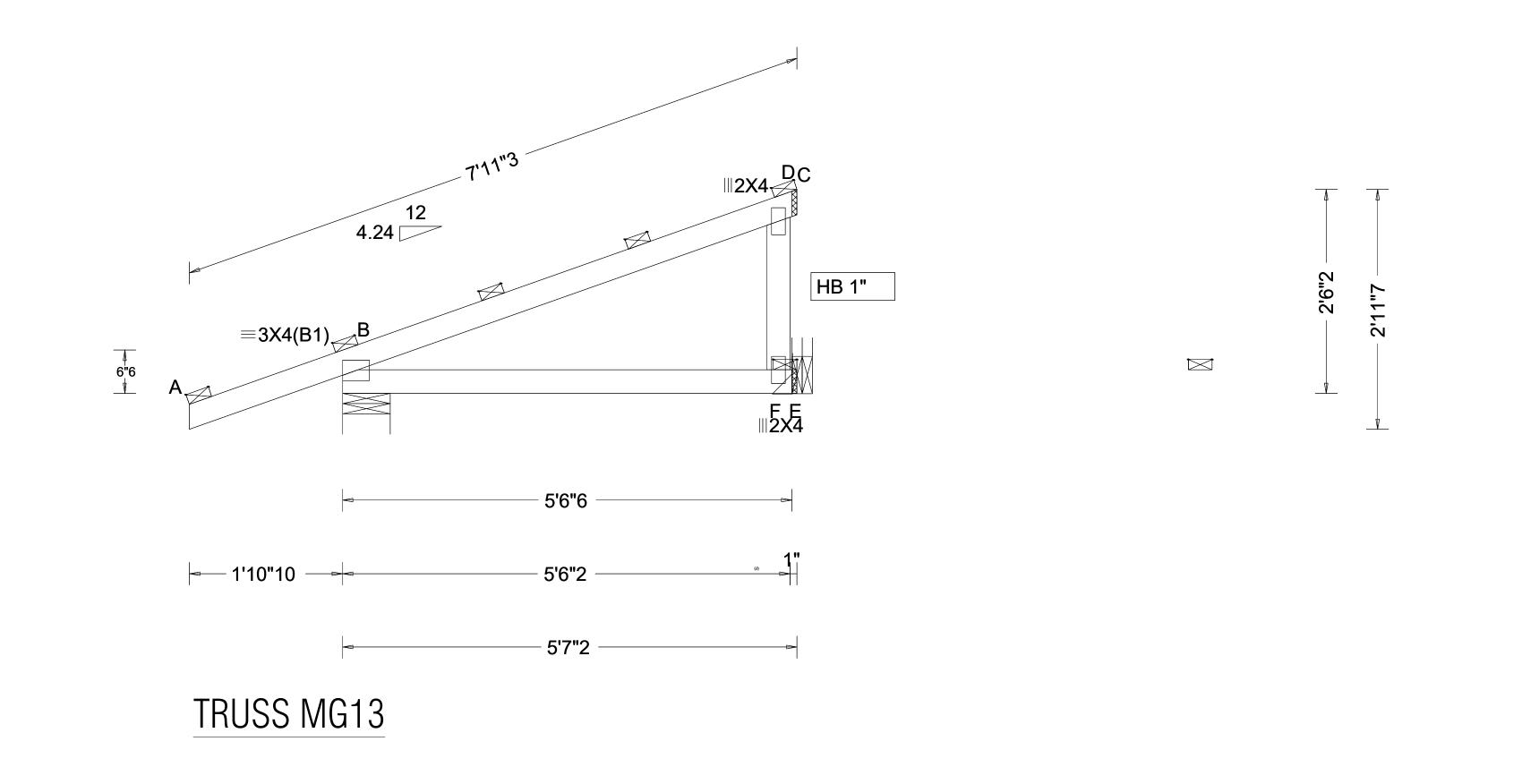
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PLOT DATE:

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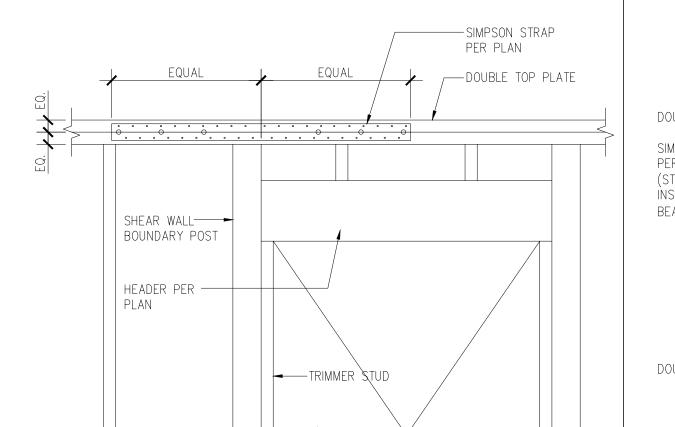


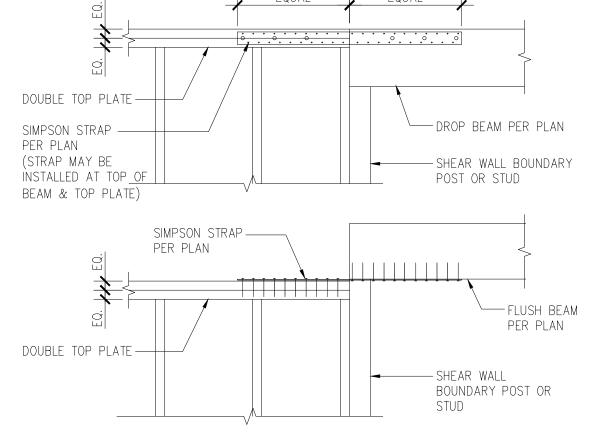


ZEHI RAWN BY: 16-01-25 OT DATE: SCALE: AS NOTED HEET NO:

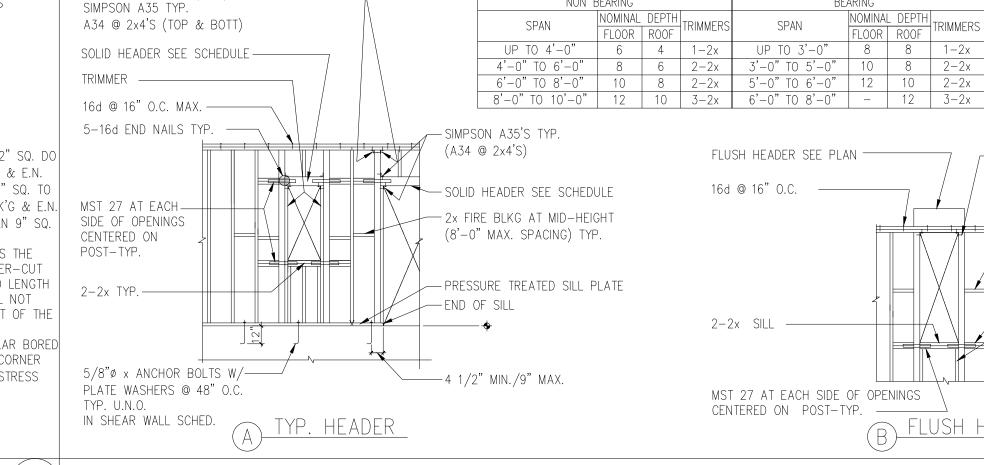
S-07

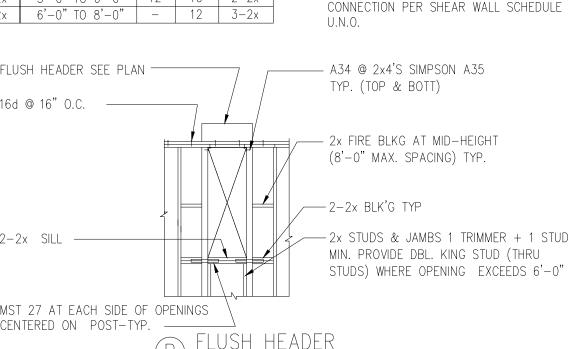
TYP. SHEAR WALL SCHEDULE AND DETAIL FOR 2-STOREY





TO 4 1/2" SQ. OPENINGS ————————————————————————————————————		2" TO 9" SQ. OPENINGS E BLK'G & E.N.
48" TYP.	48" TYP.	SHEARWALL BOUNDARY STUDS NOTES: 1.HOLES UP TO 4 1/2" SQ. DO NOT REQUIRE BLK'G & E.N. 2.HOLES FORM 4 1/2" SQ. TO 9" SQ. REQUIRE BLK'G & E.N. 3.HOLES LARGER THAN 9" SQ. ARE NOT ALLOWED 4.HOLE SIZE INCLUDES THE LENGTH OF THE OVER—CUT 5.MAX. ACCUMULATED LENGTH OF OPENINGS SHALL NOT EXCEED 20 PERCENT OF THE WALL LENGTH 6.RECOMMEND CIRCULAR BORED HOLES OR RADIUS CORNER CUTS (TO REDUCE STRESS CONCENTRATIONS)
10 111.	10 111.	<u>/</u>





- VERT. MEMBER PER

HOLDOWN SCHEDULE

HOLDOWN SCHEDULE

HOLDOWN STRAP "E" DIRECTLY NAILED

TO STUDS UNDER SHEATHING SEE

MST 27 AT EACH SIDE OF OPENINGS (B) FLUSH HEADER

SILL PL. & ---

ATTACHMENT PER

SHEAR WALL SCHED.

PLYWOOD SHEATH'G-

HEADER SCHEDULE

NON BEARING

DRAG STRUT CONNECTION

SHEAR WALL PENETRATIONS

DRAG AT DROP BEAM / FLUSH BEAM

TYP. HEADER DETAILS & SCHEDULE

POST PER HOLD-DOWN _____ SCHEDULE — PER SIMPSON SIMPSON HOLD-DOWN-PER PLAN — FLOOR SHEATH'G PER PLAN —— SILL PLATE THREADED ROD W/-- BEAM PER PLAN

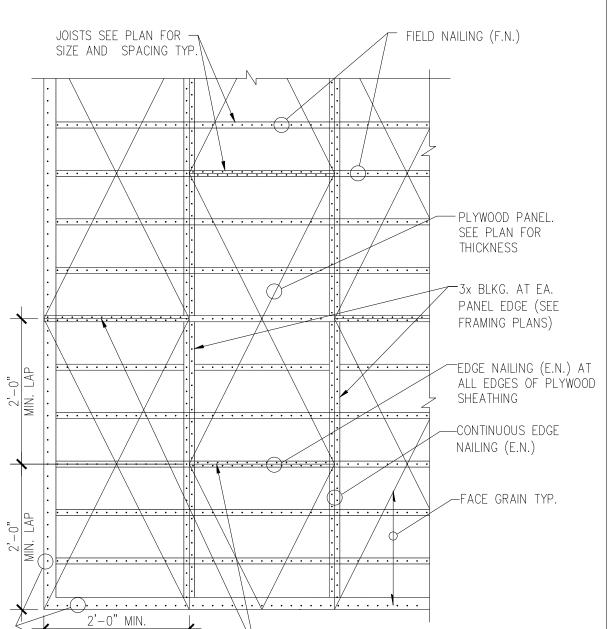
-COUNTERSINK NOT TO EXCEED

WASHER SIZE & THICKNESS

HOLD-DOWN	ABOVE	WOOD	BEAM

3/8" X 2 1/2" X 4"

PLATE WASHER



NOTES:

(B.N.)

BOUNDARY NAILING

- 1. PROVIDE NAIL SIZE AND SPACING AS NOTED ON PLANS.
- 2. ALL PLYWOOD END JOINTS SHALL BE STAGGERED 2'-0" MIN AS
- 3. LONG DIMENSION OF PLYWOOD SHEATHING SHALL BE LAID PERPENDICULAR TO JOIST.
- 4. PROVIDE MIN. 3/8" EDGE DISTANCE FOR PLYWOOD EDGE NAILING. 5. USE TONGUE AND GROOVE PLYWOOD AT ALL UNBLOCKED FLOOR. U.N.O.

STAGGER PLYWOOD

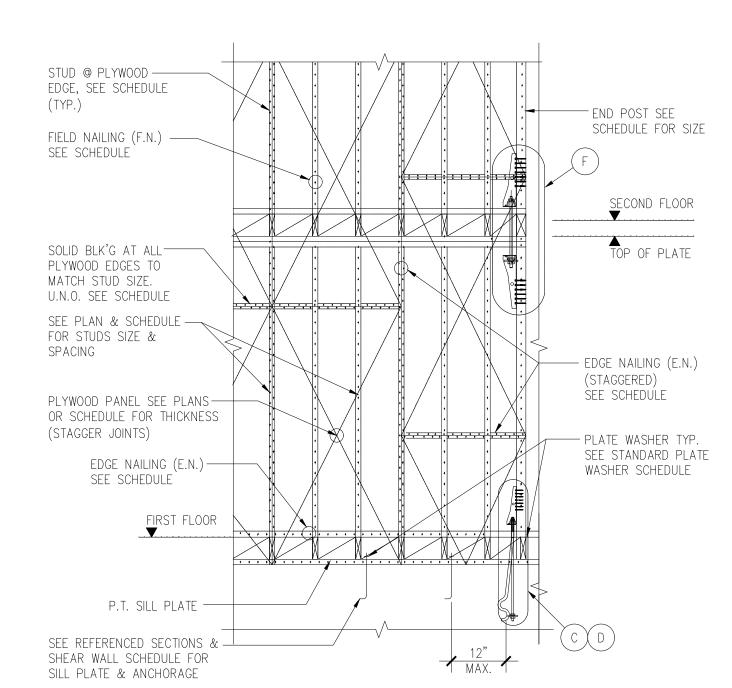
EDGES

- 6. NAILS TO BE OVER-DRIVED THRU PLYWOOD TOP LAYER.
- 7. PROVIDE 1/16" GAP BETWEEN PLYWOOD SHEATHING.

	SHEAR WALL SCHEDULE									
MARK	MATERIAL	NO. OF SIDES	NAILING		A35	SILL PLATE ATTACHMENT U.N.O.		JILAN I ON	REMARKS	
	WALKE	MATERIAL	SIDES	EDGE (E.N.)	FIELD (F.N.)	SHEAR CLIPS	FRAMED FLOOR 89	5 FOUNDATION (A307 BOLTS)	SEISMIC/WIND (#/FT)	ILIMANNO
	1	15/32" STRUCT-I PLYWD (PI 32/16) 5-PLY	1	10d @ 3" O.C.	10d @ 12" O.C.	8" O.C.	3/8" DIA. x 7" LAG @ 12" O.C.	5/8"ø A.B. @ 24" O.C.	665	1234
	2	15/32" STRUCT-I PLYWD (PI 32/16) 5-PLY	1	10d @ 4" O.C.	10d @ 12" O.C.	8" O.C.	3/8" DIA. x 7" LAG @ 16" O.C.	5/8"ø A.B. @ 32" O.C.	510	1234

LIGIT DOWN COLIFILIE											
HOLD-DOWN SCHEDULE									PLATE WASHER SCHEDULE		
HOLD-L	HOLD-DOWN	,, ,,	THREADED BOLT		ALTERNATE BOLT		"D" ①	HOLDOWN SUBSTITUTE "E"	DOLT CIZE (MOUEC) DI ATE WACHED CIZE (MOUEC)		
	TYPE	"A"	"B"	"C" (3)	"B1"	"C1"		(ONLY BETWEEN FLOORS) SEE DETAIL E	BOLT SIZE (INCHES)	PLATE WASHER SIZE (INCHES)	
2	HDU2	PER MANUF.	5/8" DIA.	12"	SSTB24	1'-8"	2-2x4 or 4x4	MST48	1/2	3/16 x 2 x 2	
4		PER MANUF.	,	16"	SSTB24		2-2x4 or 4x4	MST60	5/8	1/4 x 2-1/2 x 2-1/2	
5		PER MANUF.	,	20"	SSTB21	2'-5"	2-2x4 or 4x4	MST72	3/4	5/16 x 2-3/4 x 2-3/4	
8		PER MANUF.	,	24"	SSTB36	2'-5"	4x6	WISTIZ	7/8	5/16 x 3 x 3	
11		PER MANUF.	,	24"	SSTB36	2'-5"			1	3/8 x 3-1/2 x 3-1/2	
14		PER MANUF.		24"	SSTB36		4x8 4x8			, , , ,	

- (1) PROVIDE MIN. POST SIZE AS INDICATED, INCREASE SIZE TO MATCH WALL THICKNESS.
- (2) FOR HDU11 & HDU14, ADD 1-#5 TOP & BOTTOM TO THE FOOTING REINFORCEMENT



SHEAR WALL & HOLD-DOWN

NOTES: 1. FRAMING AT ADJOINING PANEL EDGES SHALL BE 3" (INCH) NOMINAL OR THICKER (i.e. MIN 3x VERTICAL STUDS AND BLOCKING). NAILS SHALL BE STAGGERED IN TWO LINES ALONG PANEL EDGES WHERE NAILS ARE SPACED 2" INCHES ON CENTER OR WHEN 10d COMMON NAILS SPACED 3" O.C. PENETRATE FRAMING MINIMUM OF 1 1/2".

STUD OVER 11'-6" (TYP.) —

2. WHERE PLYWOOD APPLIES ON BOTH FACES OF A WALL AND NAIL SPACING IS LESS THAN 6" INCHES ON CENTER ON EITHER SIDE, PANEL JOINTS SHALL HAVE MIN 3x (VERTICAL STUDS & BLOCKING) AND NAILS SHALL BE STAGGERED. OFFSET PANEL JOINTS TO FALL ON DIFFERENT FRAMING MEMBER WHERE PLYWOOD IS PLACED AT BOTH FACES.

3. NAILS SHALL BE PLACED NOT LESS THAN 3/8" INCH FROM PANEL EDGES.

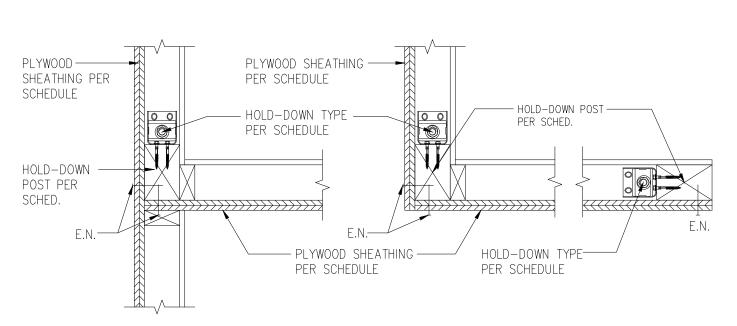
4. FOR HOLDOWNS AT THE END OF THE SHEAR WALL, SEE PLANS AND SCHEDULE. PROVIDE PLATE WASHER PER STANDARD PLATE WASHER SCHEDULE AT ALL SILL PLATE ANCHOR BOLTS AND AT ALL HOLD-DOWN BOLTS CONNECTED TO VERTICAL POSTS.

5. USE WELDED STUD BOLTS OF SAME SIZE & SPACING AS OF SILL PLATE ANCHOR BOLTS, WHERE STEEL BEAM OCCURS UNDER SHEAR WALL.

6. PROVIDE DOUBLE PARALLAM BLOCKING TO ACCOMMODATE 2 ROWS OF SIMPSON SDS SCREWS

- 7. FOUNDATION AND WALL SILL PLATE SHALL BE 2x. U.N.O. USE 3 x SILL PLATE WHEN ALLOWABLE SHEAR EXCEEDS 350#/FT.
- 8. SIMPSON SDS 1/4"x6" WOOD SCREWS. TYP. USE TB1475S INTO NAILER AT STEEL BEAMS.

9. WHERE 2-2x SILL PLATES ARE USED SCREW LOWER PLATE TO FRAMING BELOW. DRILL HOLE IN UPPER SILL PLATE FOR SCREW HEAD SO THAT UPPER PLATE SITS FLAT ON LOW SILL PLATE.



HOLD-DOWNS AT DIFF. WALL CONDITIONS

Drawing Notes for Construction

General Structural Notes: 1. Existing Structure Verification:

Contractor must **verify and confirm** the presence of shear wall panels on the first floor before proceeding. If shear wall panels are missing or insufficient, **engineer approval is required** before continuing construction.

2. Shear Load Transfer: Second-floor shear walls must transfer lateral forces through the floor diaphragm to the first-floor bracing system.

3. Retrofit Measures (If Required):

If shear wall panels are missing on the first floor, provide **shear walls or moment frames** per engineer's design.

Strengthen first-floor diaphragm with blocking, straps, or collector beams if necessary. 4. Hold-Downs & Anchorage:

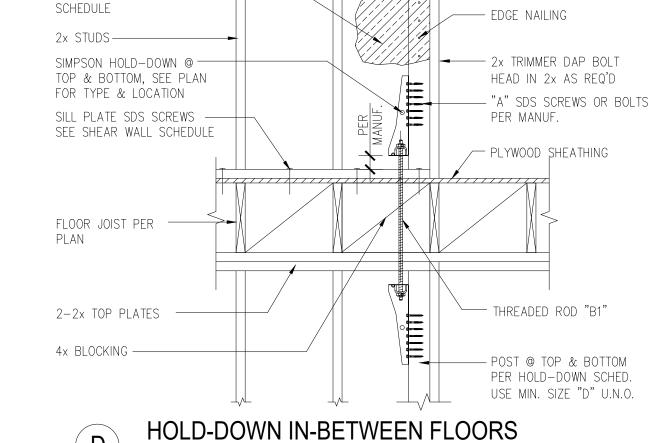
Provide **hold-down anchors at shear wall ends** to resist overturning forces.

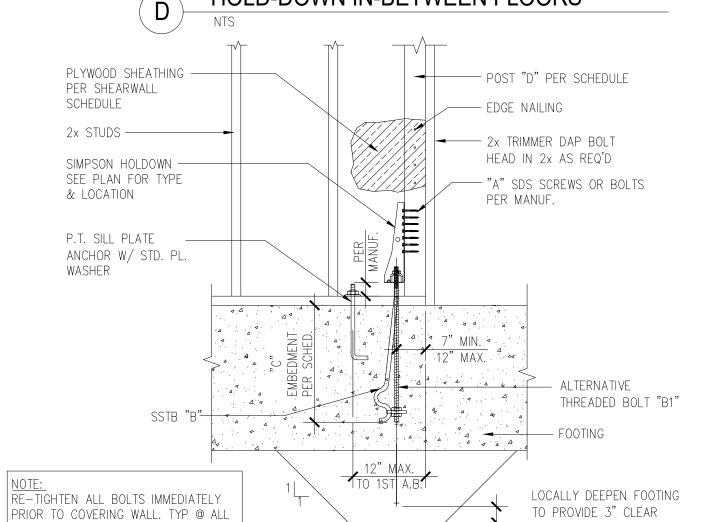
Ensure proper anchorage to existing foundation or reinforced framing. 5. Inspection Requirements:

> A **structural inspection** of the first floor is required before second-floor construction. Any deviations from the approved design must be reported to the engineer immediately.

Floor sheathing shall be **minimum** 3/4" **OSB or plywood**, with nailing per diaphragm schedule.

PER PLAN — E.N. <u>NOTE:</u> PROVIDE MIN. NAIL SPACING PER SHEAR WALL & HOLDOWN SCHEDULE - B.N. WHEN STRAP NAILING IS COMBINED W/ S.W. EDGE NAILING. 2x FLOOR JOIST — ___2-2x TOP PLATES PER PLAN 2x BLK'G. W/ A35 @ ___ PER SHEAR WALL 16" O.C. OR PER SCHEDULE SHEAR WALL SCHEDULE HOLD-DOWN STRAP BETWEEN FLOORS PLYWOOD SHEATHING -— POST "D" PER SCHEDULE PER SHEARWALL — EDGE NAILING





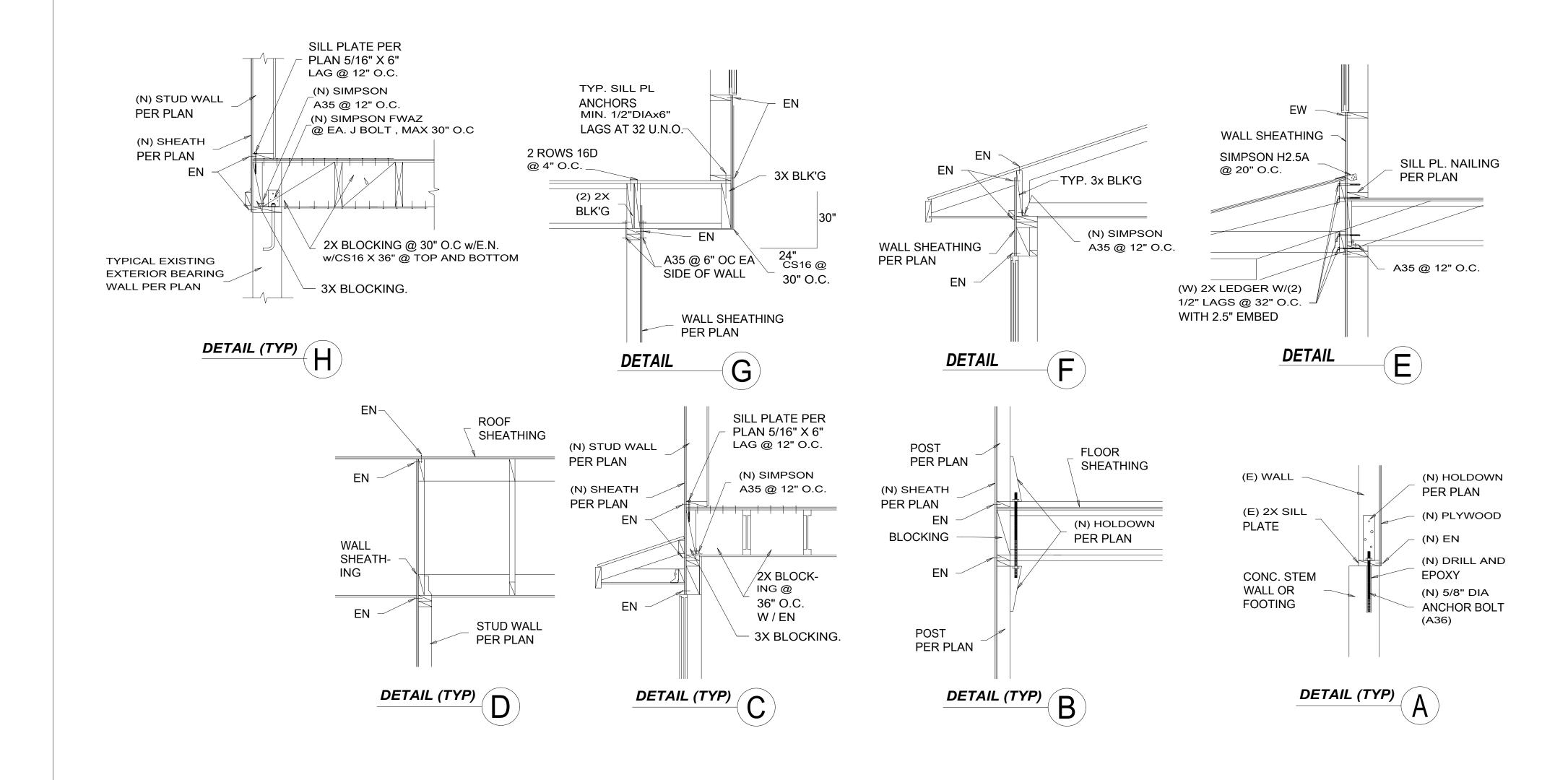
HOLD-DOWN TO FOUNDATION W/ CONCRETE SLAB ON GRADE

SHEAR WALLS.

COVER BELOW BOLT AS

REQUIRED

(6



REVISIONS:

PICAL DETAILS

SHEET TITLE:

SHE

ULRICH BROS. CONST. INC.
535 Marijun St. NE
Albary, OR 97322
(541) 925-4464

© B-R-© T
COB#: 58349

PROJECT:
PROPOSED CUSTOM RES. FOR:
ZEHR-ADDITION / REMODEL

DRAWN BY: D.L
DATE: 16-01-25
PLOT DATE:
SCALE: AS NOTED
SHEET NO: