

WOOD FASTENING SCHEDULE IBC 2012 - TABLE 2304.9.1			
ITEM	DESCRIPTION OF BUILDING ELEMENTS	FASTENING A,M	LOCATION
1	JOIST TO SILL OR GIRDER	3 - 8d COMMON (2 ½" x 0.131") 3 - 3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES	TOE NAIL
2	BRIDGING TO JOIST	2 - 8d COMMON (2 ½" x 0.131") 2 - 3" x 0.131" NAILS 2 - 3" 14 GAGE STAPLES	TOE NAIL EACH END
3	SUBFLOOR 1" x 6" OR LESS TO EACH JOISTS	2 - 8d COMMON (2 ½" x 0.131")	FACE NAIL
4	SUBFLOOR WIDER THAN 1" x 6" TO EACH JOIST	3 - 8d COMMON (2 ½" x 0.131")	FACE NAIL
5	2" SUBFLOOR TO JOIST OR GIRDER	2 - 16d COMMON (3 ½" x 0.162")	BLIND AND FACE NAIL
6	SOLE PLATE TO JOIST OR BLOCKING	16d (3 ½" x 0.135") @ 16" o/c 3" x 0.131" NAILS @ 8" o/c 3" 14 GAGE STAPLES @ 12" o/c	FACE NAIL
	SOLE PLATE TO JOIST OR BLOCKING AT BRACED WALL PANEL	3 - 16d (3 ½" x 0.135") @ 16" o/c 4 - 3" x 0.131" NAILS @ 16" o/c 4 - 3" 14 GAGE STAPLES @ 16" o/c	FACE NAIL
7	TOP PLATE TO STUD	2 - 16d COMMON (3 ½" x 0.162") 3 - 3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES	END NAIL
8	STUD TO SOLE PLATE	4 - 8d COMMON (2 ½" x 0.131") 4 - 3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES	TOE NAIL
		2 - 16d COMMON (3 ½" x 0.162") 3 - 3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES	END NAIL
9	DOUBLE STUDS	16d (3 ½" x 0.135") @ 24" o/c 3" x 0.131" NAILS @ 8" o/c 3" 14 GAGE STAPLES @ 8" o/c	FACE NAIL
10	DOUBLE TOP PLATES	16d (3 ½" x 0.135") @ 16" o/c 3" x 0.131" NAILS @ 12" o/c 3" 14 GAGE STAPLES @ 12" o/c	FACE NAIL
11	BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE	8 - 16d COMMON(3 ½" x 0.162") 12 - 3" x 0.131" NAILS 12 - 3" 14 GAGE STAPLES	LAP SPICE FACE NAIL
		3 - 8d COMMON (2 ½" x 0.131") 3 - 3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES	TOE NAIL
12	RIM JOIST TO TOP PLATE	8d (2 ½" x 0.131") @ 6" o/c 3" x 0.131" NAILS @ 6" o/c 3" 14 GAGE STAPLES @ 6" o/c	TOE NAIL
13	TOP PLATE LAPS AND INTERSECTIONS	2 - 16d COMMON (3 ½" x 0.162") 3 - 3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES	FACE NAIL
14	TWO PIECE CONTINUOUS HEADER	16d COMMON (3 ½" x 0.162") @ 16" o/c ALONG EDGE	FACE NAIL
15	CEILING JOISTS TO PLATE	3 - 8d COMMON (2 ½" x 0.131") 5 - 3" x 0.131" NAILS 5 - 3" 14 GAGE STAPLES	TOE NAIL
16	CONTINUOUS HEADER TO STUD	4 - 8d COMMON (2 ½" x 0.131")	TOE NAIL
17	CEILING JOIST LAPS OVER PARTITIONS	3 - 16d COMMON (3 ½" x 0.162") MIN. 4 - 3" x 0.131" NAILS 4 - 3" 14 GAGE STAPLES	FACE NAIL
18	CEILING JOISTS TO PARALLEL RAFTERS	3 - 16d COMMON (3 ½" x 0.162") MIN. 4 - 3" x 0.131" NAILS 4 - 3" 14 GAGE STAPLES	FACE NAIL
19	RAFTER TO PLATE	3 - 8d COMMON (2 ½" x 0.131") 3 - 3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES	TOE NAIL
20	1" DIAGONAL BRACE TO EACH STUD AND PLATE	2 - 8d COMMON (2 ½" x 0.131") 2 - 3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES	FACE NAIL
21	1" x 8" SHEATHING TO EACH BEARING	3 - 8d COMMON (2 ½" x 0.131")	FACE NAIL
22	SHEATHING WIDER THAN 1" x 8" TO EACH BEARING	3 - 8d COMMON (2 ½" x 0.131")	FACE NAIL
23	BUILT - UP CORNER STUDS	16d (3 ½" x 0.135") @ 24" o/c 3" x 0.131" NAILS @ 16" o/c 3" 14 GAGE STAPLES @ 16" o/c	FACE NAIL
24	BUILT - UP GIRDERS AND BEAMS	20d COMMON (4" x 0.192") @ 32" o/c 3" x 0.131" NAILS @ 24" o/c 3" 14 GAGE STAPLES @ 24" o/c	FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES
		2 - 20d COMMON (4" x 0.192") 3 - 3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES	FACE NAIL AT ENDS AND AT EACH SPLICE
25	2" PLANKS TO EACH BEARING	1 - 16d COMMON (3 ½" x 0.162")	FACE NAIL

WOOD FASTENING SCHEDULE IBC 2012 - TABLE 2304.9.1				
ITEM	DESCRIPTION OF BUILDING ELEMENTS		FASTENING A,M	LOCATION
26	COLLAR TIE TO RAFTER		3 - 10d COMMON (3" x 0.148") 4 - 3" x 0.131" NAILS 4 - 3" 14 GAGE STAPLES	FACE NAIL
27	JACK RAFTER TO HIP		3 - 10d COMMON (3" x 0.148") 4 - 3" x 0.131" NAILS 4 - 3" 14 GAGE STAPLES	TOE NAIL
			2 - 16d COMMON (3 ½" x 0.162") 3 - 3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES	FACE NAIL
28	ROOF RAFTER TO 2x RIDGE BEAM		2 - 16d COMMON (3 ½" x 0.162") 3 - 3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES	TOE NAIL
			2 - 16d COMMON (3 ½" x 0.162") 3 - 3" x 0.131" NAILS 3 - 3" 14 GAGE STAPLES	FACE NAIL
29	JOIST TO BAND JOIST		3 - 16d COMMON (3 ½" x 0.162") 4 - 3" x 0.131" NAILS 4 - 3" 14 GAGE STAPLES	FACE NAIL
30	LEDGER STRIP		3 - 16d COMMON (3 ½" x 0.162") 4 - 3" x 0.131" NAILS 4 - 3" 14 GAGE STAPLES	FACE NAIL AT EACH JOIST
31	WOOD STRUCTURAL PANELS AND PARTICLEBOARD: SUBFLOOR, ROOF, AND WALL SHEATHING TO FRAMING B	1/2" AND LESS	6d NAIL C, L 2 ¾" x 0.113" NAIL N 1 ¾" 16 GAGE STAPLES O	—
		19/32" TO 3/4"	8d NAIL D OR 6d NAIL E 2 ¾" x 0.113" NAIL P 2" 16 GAGE STAPLES P	—
		7/8" TO 1"	8d NAIL C	—
		1 - 1/8" TO 1 - 1/4"	10d NAIL D OR 8d NAIL E	—
	WOOD STRUCTURAL PANELS AND PARTICLEBOARD: SINGLE FLOOR (COMBINATION SUBFLOOR - UNDERLAYMENT TO FRAMING) B	3/4" AND LESS	6d NAIL E	—
		7/8" TO 1"	8d NAIL E	—
		1 - 1/8" TO 1 - 1/4"	10d NAIL D OR 8d NAIL E	—
32	PANEL SIDING TO FRAMING	1/2" AND LESS	6d NAIL F	—
		5/8"	8d NAIL F	—
33	FIBERBOARD SHEATHING G	1/2"	No. 11 GAGE ROOFING NAIL H 6d COMMON NAIL (2" x 0.113") No. 16 GAGE STAPLE I	—
		25/32"	No. 11 GAGE ROOFING NAIL H 8d COMMON NAIL (2 ½" x 0.131") No. 16 GAGE STAPLE I	—
34	INTERIOR PANELING	1/4"	4d NAIL J	—
		3/8"	6d NAIL K	—

SCHEDULE NOTES:  
A. COMMON OR BOX NAILS ARE PERMITTED TO BE USED EXCEPT WHERE OTHERWISE STATED.  
B. NAILS SPACED AT 6 INCHES ON CENTER AT EDGES, 12 INCHES AT INTERMEDIATE SUPPORTS EXCEPT 6 INCHES AT SUPPORTS WHERE SPANS ARE 48 INCHES OR MORE. FOR NAILING OF WOOD STRUCTURAL PANEL AN PARTICLEBOARD DIAPHRAGMS AND SHEAR WALLS, REFER TO IBC SECTION 2305. NAILS FOR WALL SHEATHING ARE PERMITTED TO BE COMMON, BOX OR CASING.  
C. COMMON OR DEFORMED SHANK (6D - 2" X 0.113"; 8D - 2 ½" X 0.131"; 10D - 3" X 0.148").  
D. COMMON (6D - 2" X 0.113"; 8D - 2 ½" X 0.131"; 10D - 3" X 0.148").  
E. DEFORMED SHANK (6D - 2" X 0.113"; 8D - 2 ½" X 0.131"; 10D - 3" X 0.148").  
F. CORROSION-RESISTANT SIDING (6D - 1 ¾" X 0.106"; 8D - 2 ¾" X 0.128") OR CASING (6D - 2" X 0.099"; 8D - 2 ½" X 0.113") NAIL.  
G. FASTENERS SPACED 3 INCHES ON CENTER AT EXTERIOR EDGES AND 6 INCHES ON CENTER AT INTERMEDIATE SUPPORTS, WHEN USED AS STRUCTURAL SHEATHING. SPACING SHALL BE 6 INCHES ON CENTER ON THE EDGES AND 12 INCHES ON CENTER AT INTERMEDIATE SUPPORTS FOR NONSTRUCTURAL APPLICATIONS.  
H. CORROSION-RESISTANT ROOFING NAILS WITH 7/16 INCH DIAMETER HEAD AND 1 ½ INCH LENGTH FOR 1/2 INCH SHEATHING AND 1 ¾ INCH LENGTH FOR 25/32 INCH SHEATHING.  
I. CORROSION-RESISTANT STAPLES WITH NOMINAL 7/16 INCH CROWN OR 1 INCH CROWN AND 1 ¼ INCH LENGTH FOR 1/2 INCH SHEATHING AND 1 ½ INCH LENGTH FOR 25/32 INCH SHEATHING. PANEL SUPPORTS AT 16 INCHES (20 INCHES IF STRENGTHS AXIS IN THE LONG DIRECTION OF THE PANEL, UNLESS OTHERWISE MARKED).  
J. CASING (1 ½" X 0.080") OR FINISH (1 ½" X 0.072") NAILS SPACED 6 INCHES ON PANEL EDGES AND 12 INCHES AT INTERMEDIATE SUPPORTS.  
K. PANEL SUPPORTS AT 24 INCHES. CASING OR FINISH NAILS SPACED 6 INCHES ON PANEL EDGES, 12 INCHES AT INTERMEDIATE SUPPORTS.  
L. FOR ROOF SHEATHING APPLICATIONS, 8D NAILS (2 ½" X 0.113") ARE THE MINIMUM REQUIRED FOR WOOD STRUCTURAL PANELS.  
M. STAPLES SHALL HAVE A MINIMUM CROWN WIDTH OF 7/16 INCH.  
N. FOR ROOF SHEATHING APPLICATIONS, FASTENERS SPACED 4 INCHES ON CENTER AT EDGES, 8 INCHES AT INTERMEDIATE SUPPORTS.  
O. FASTENERS SPACED 4 INCHES ON CENTER AT EDGES, 8 INCHES AT INTERMEDIATE SUPPORTS FOR SUBFLOOR AND WALL SHEATHING AND 3 INCHES ON CENTER AT EDGES, 6 INCHES AT INTERMEDIATE SUPPORTS FOR ROOF SHEATHING.  
P. FASTENERS SPACED 4 INCHES ON CENTER AT EDGES, 8 INCHES AT INTERMEDIATE SUPPORTS.

WOOD COLUMN SCHEDULE			
COL MARK	MEMBER SIZE	BASE CONNECTION	TOP CONNECTION
C1	(1) 6x6 No.2 SYP PT	(1) SIMPSON ABU66	SEE PLAN AND DETAILS

NOTES:  
1. PROVIDE (1) 5/8" Ø F1554 CAST-IN-PLACE ANCHOR ROD w/ x 8" MIN EMBED OR (1) 5/8" Ø F1554 ANCHOR ROD w/ HILTI HIT-RE 500 ADHESIVE w/ 5 5/8" MIN EMBED FOR EACH SIMPSON ABU66 POST BASE.

FOOTING SCHEDULE		
MARK	DIMENSIONS (WxLxT)	REINFORCING
F2	2'-0" x 2'-0"x 18"	3 #4 EACH EAY @ BOT

NOTES:  
1. DESIGN OF FOOTINGS IS BASED ON AN ALLOWABLE BEARING CAPACITY OF 2000 PSF.  
2. AT EXTERIOR COLUMNS, CONTINUE REINFORCING FOR TURNDOWN THROUGH SPREAD FOOTINGS.

WOOD LOAD BEARING WALL SCHEUDLE			
LOCATION	WALL STUDS	BLOCKING SIZE	BLOCKING LOCATION
TYPICAL	(1) 2x4 No.2 SPF @ 16"	2x4	4'-0" MAX. SPACING

WOOD SHEAR WALL SCHEDULE			
MARK	SHEATHING	SHEATHING ATTACHMENT (NOTE 1)	ANCHORS FROM SOLE PLATE TO CONCRETE
SW1	24/16 APA RATED EXPOSURE 1 SHEATHING ON ONE FACE OF WALL FRAMING (7/16" MIN. THICKNESS)	8d COMMON NAILS 4" o/c AT PANEL EDGES AND 12" o/c AT INTERMEDIATE SUPPORTS	1/2" DIA. CAST-IN-PLACE ANCHORS @ 32" (7" EMBED.)

SCHEDULE NOTES:  
1. SEE DETAIL 4/SB-4.1 FOR TYPICAL PANEL LAYOUT AND ATTACHMENT REQUIREMENTS.  
2. SEE PLAN AND HOLDDOWN SCHEDULE FOR HOLDDOWN INFORMATION.  
3. SEE PLAN AND WALL SCHEDULE FOR WALL FRAMING INFORMATION.

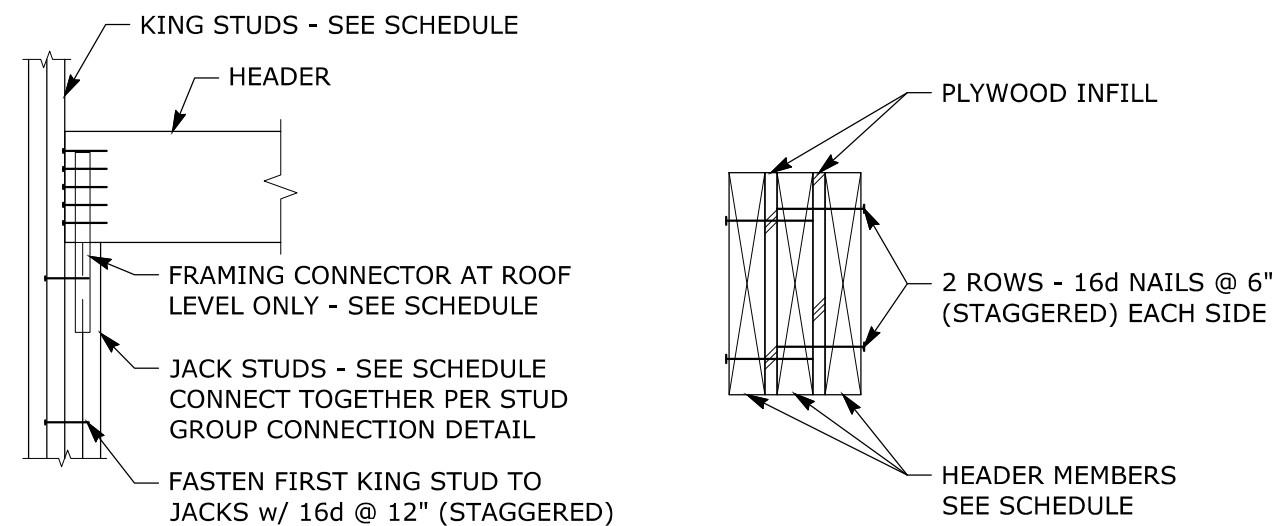
SHEARWALL HOLDDOWN SCHEDULE					
MARK	HOLDDOWN TYPE	STUD QUANTITY	STUD GROUP CONNECTION	ANCHOR BOLT DIAMETER	ANCHOR BOLT EMBEDMENT (SEE NOTE 3)
HD1	(1) SIMPSON DTT2Z-SDS2.5	(2) 2x4	(8) SDS 1/4"x2-1/2"	1/2" DIA.	8" FOR C.I.P. ANCHOR 6" FOR ADHESIVE ANCHOR
HD2	(1) SIMPSON HDU4-SDS2.5	(2) 2x4	(10) SDS 1/4"x2-1/2"	5/8" DIA.	8" FOR C.I.P. ANCHOR 6" FOR ADHESIVE ANCHOR

SCHEDULE NOTES:  
1. PROVIDE SIMPSON SET-XP OR APPROVED EQUIVALENT ADHESIVE FOR CRACKED CONCRETE.  
2. SEE SECTION 6/SB-3.1 FOR ANCHOR BOLT INFORMATION.  
3. SEE SECTIONS 5-8/SB-4.1 FOR HOLDDOWN LOCATIONS.

WOOD FRAMING CONNECTOR SCHEDULE	
CONDITION	CONNECTOR
TYPICAL TRUSS TO EXT BEARING WALL	(1) SIMPSON H2.5A
TYPICAL TRUSS TO INT BEARING WALL	(2) SIMPSON H2.5A

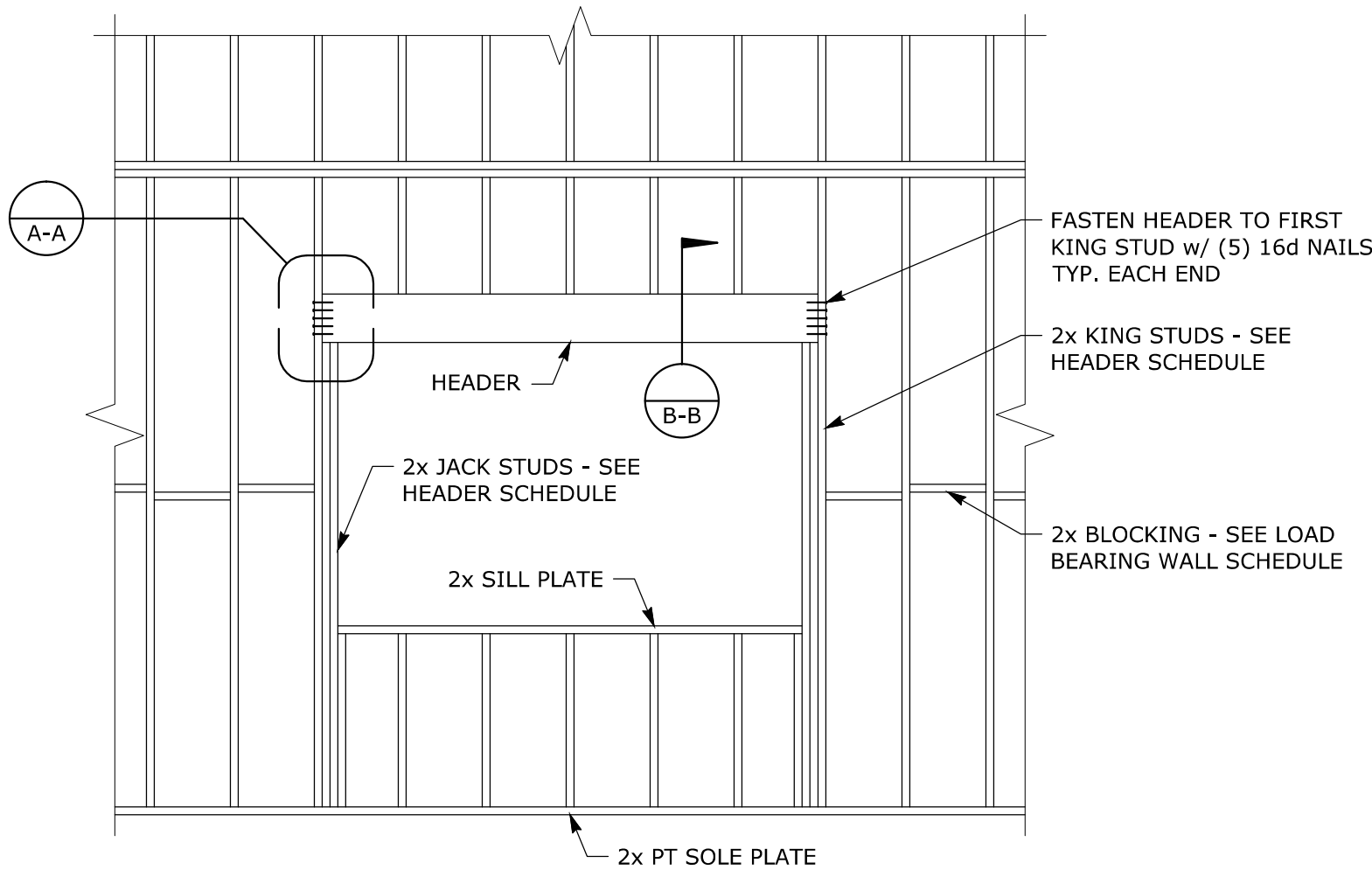
SCHEDULE NOTES:  
1. FRAMING CONNECTORS ARE REQUIRED AT EACH END OF TRUSSES. CONNECTORS ARE LISTED FOR ONE END ONLY. FOR EXAMPLE A JACK TRUSS WILL REQUIRE (1) SIMPSON H2.5A CONNECTOR AT THE EXTERIOR END PLATES AND (1) SIMPSON SUR26 OR SUL26 AND (1) SIMPSON A35 AT THE INTERIOR END GIRDER TRUSS.  
2. INSTALL ALL CONNECTORS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.  
3. SEE TRUSS MANUFACTURER'S INSTRUCTIONS FOR UPLIFT CONNECTION FOR ALL OVERBUILT/PIGGYBACK ROOF TRUSSES.

WOOD HEADER SCHEDULE				
OPENING SIZE	HEADER SIZE	NUMBER OF KING STUDS	NUMBER OF JACK STUDS	FRAMING CONNECTOR
0'-0" - 6'-0"	(2) 2x8	1	1	(1) SIMPSON MSTA24



DETAIL A-A

SECTION B-B



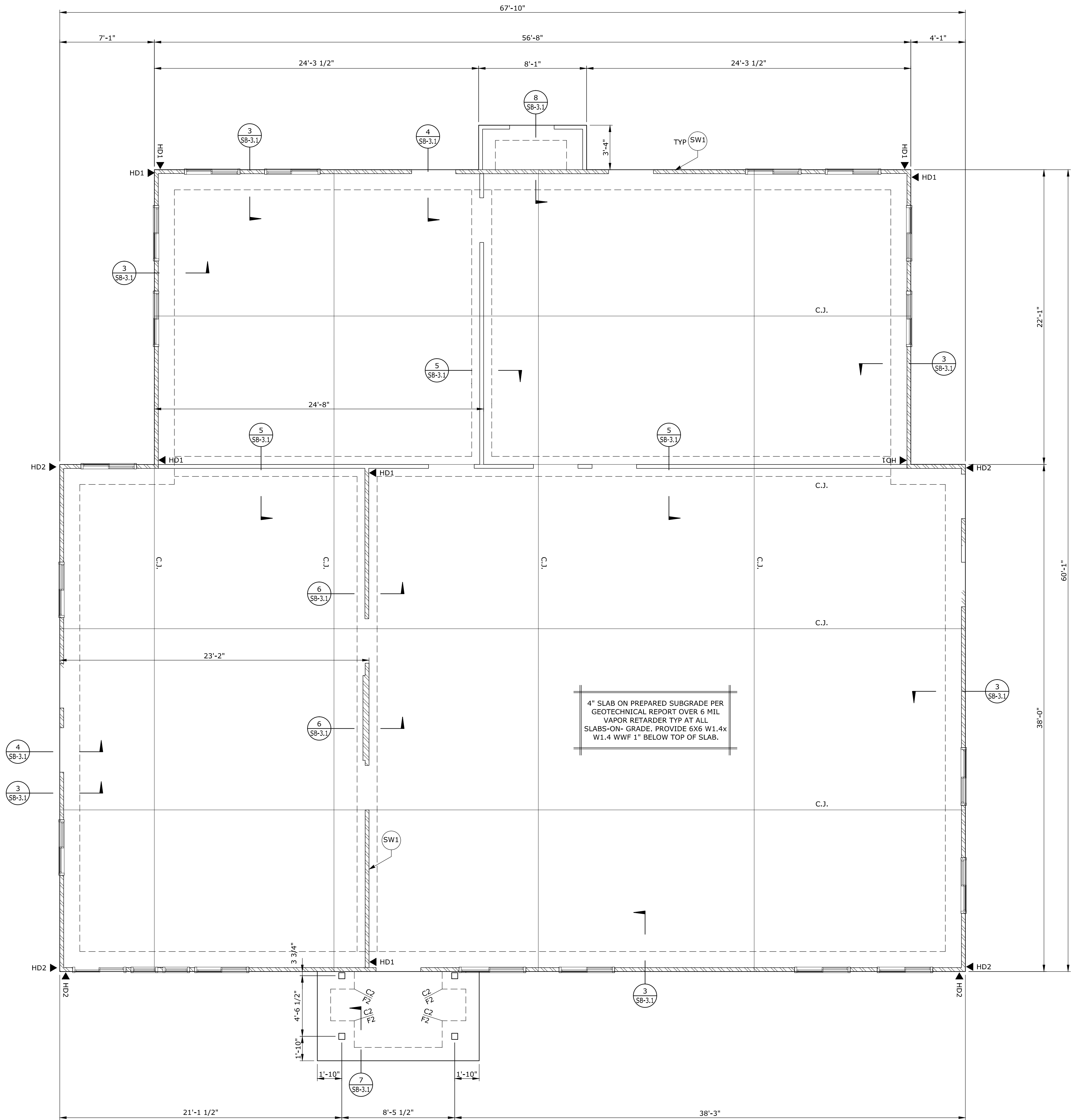
ELEVATION

TYPICAL LOAD-BEARING WOOD HEADER

SCALE: 3/8" = 1'-0"

1

S-0.2



FOUNDATION CHILD CARE CENTER

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

1  
SB-1.1

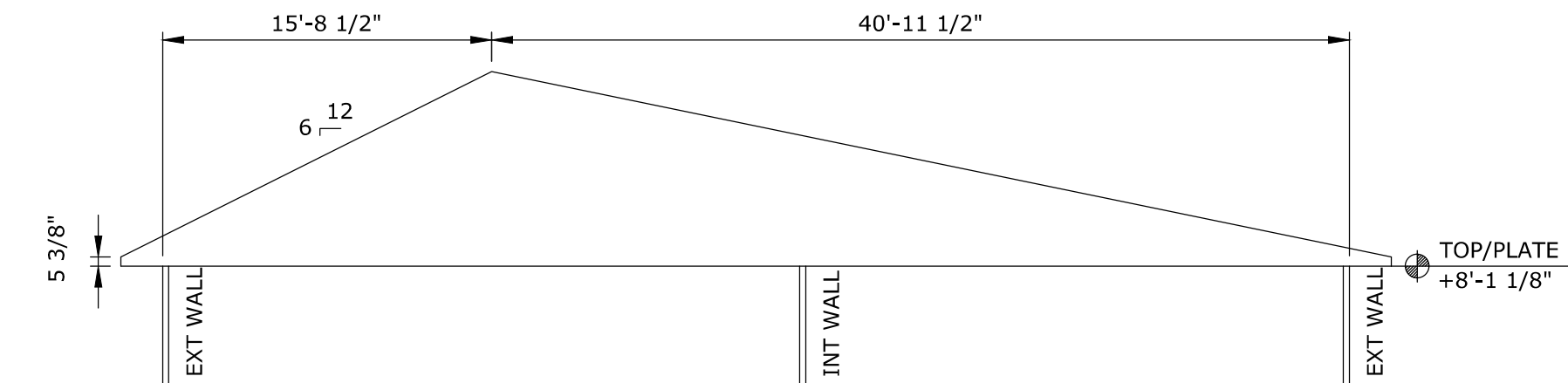
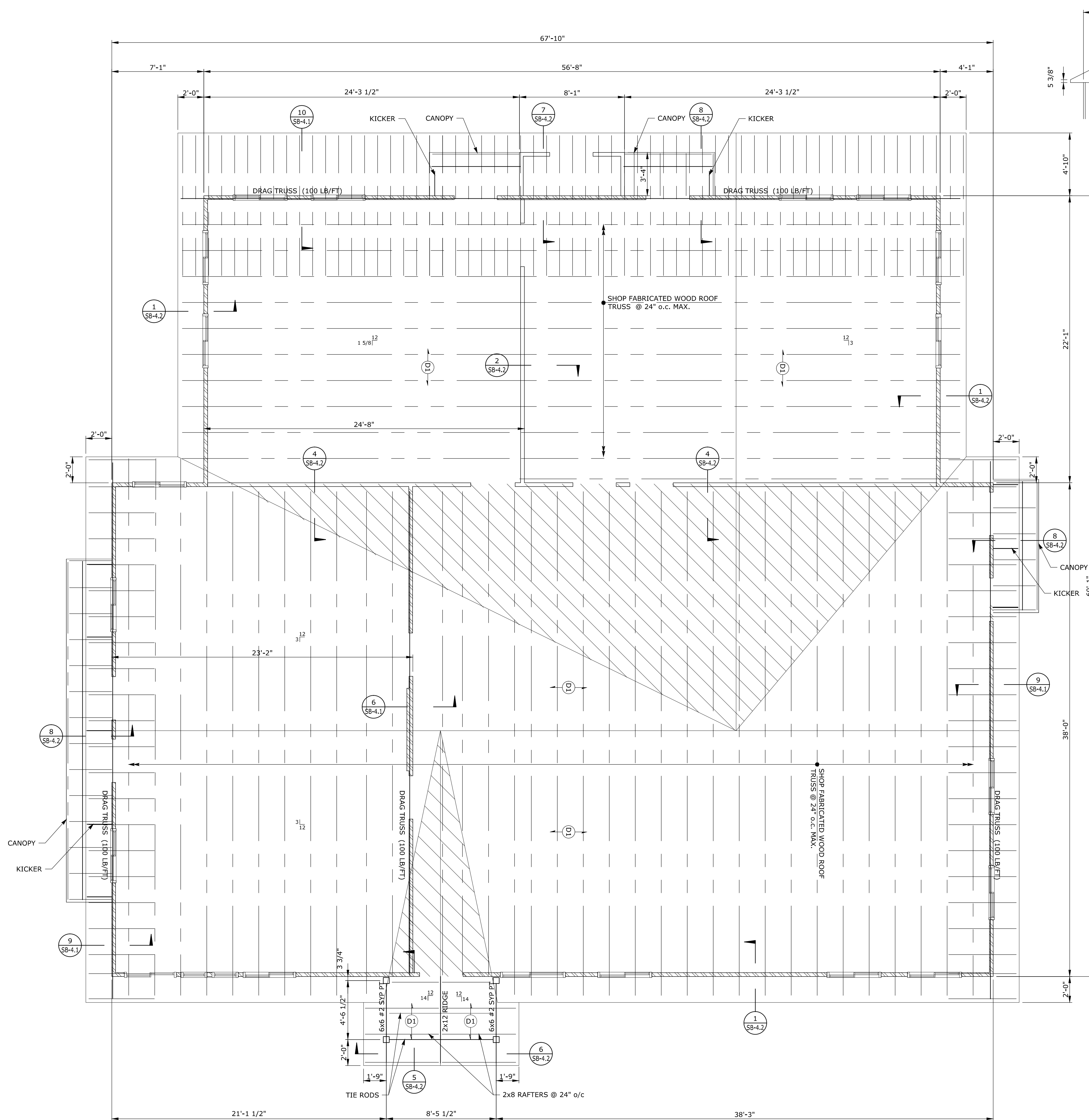


NOTES:

1. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS, SLOPES, ELEVATIONS, AND OTHER INFORMATION NOT SHOWN.
2. SEE SB-0.1 FOR STRUCTURAL GENERAL NOTES. SEE SB-0.2 FOR STRUCTURAL SCHEDULES.
3. ALL ELEVATIONS GIVEN RELATIVE TO TOP OF SLAB ELEVATION = 0'-0".
4. SEE CIVIL DRAWINGS FOR ACTUAL ELEVATIONS AND SLOPES ON BUILDING SITE.
5. SEE 1/SB-3.1 FOR TYPICAL SLAB-ON-GRADE CONSTRUCTION/CONTRACTION JOINT DETAILS. SEE GENERAL NOTES FOR JOINT LOCATIONS UNLESS NOTED OTHERWISE ON PLANS. PROVIDE CORNER REINFORCING PER 2/SB-3.1 AT RE-ENTRANT CORNERS IN SLAB-ON-GRADE.

LEGEND:

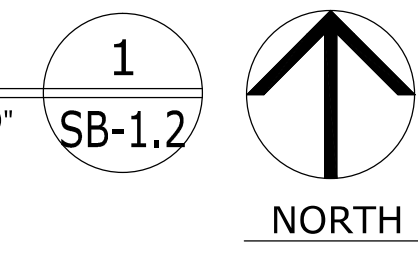
- INDICATES EXTENTS OF LOAD BEARING WALL WITHOUT SHEAR WALL SHEATHING. SEE HEADER SCHEDULE ON SB-0.2.
- SWx INDICATES SHEAR WALL MARK AND EXTENTS OF SHEAR WALL. SEE SHEATHING SCHEDULE ON SB-0.2. PROVIDE CONT. BLOCKING AT PANEL EDGES. SEE DETAIL 4/SB-4.1.
- HDx INDICATES HOLDDOWN MARK AT EACH END OF SHEAR WALL. SEE SCHEDULE ON SB-0.2 AND SECTIONS 5-8/SB-4.1.



ROOF TRUSS WT1

ROOF FRAMING PLAN

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



- NOTES:
1. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS, SLOPES, ELEVATIONS, AND OTHER INFORMATION NOT SHOWN.
  2. SEE SB-0.1 FOR STRUCTURAL GENERAL NOTES. SEE SB-0.2 FOR STRUCTURAL SCHEDULES.
  3. ALL ELEVATIONS GIVEN RELATIVE TO TOP OF SLAB ELEVATION = 0'-0".
  4. FOR SHOP FABRICATED WOOD TRUSS SYSTEM, PROVIDE LATERAL SHEAR TRANSFER TRUSSES WHERE TRUSS SYSTEM SPANS ARE PERPENDICULAR TO SHEAR WALLS. DESIGN LATERAL SHEAR TRANSFER TRUSSES TO TRANSFER LATERAL FORCES INDICATED ON THE PLANS (SERVICE FORCES PER FOOT OF SHEAR WALL) FROM WOOD DIAPHRAGM ABOVE TO SHEAR WALLS BELOW. SOLID BLOCKING MAY BE SUBSTITUTED FOR LATERAL SHEAR TRANSFER TRUSSES.
  5. FOR SHOP FABRICATED WOOD TRUSS SYSTEM, PROVIDE DRAG TRUSSES WHERE TRUSS SYSTEM SPANS ARE PARALLEL TO SHEAR WALLS. DRAG TRUSSES ARE CONTINUOUSLY SUPPORTED AT SHEAR WALLS BELOW. DESIGN DRAG TRUSSES TO TRANSFER LATERAL FORCES INDICATED ON THE PLANS (SERVICE FORCES PER FOOT OF SHEAR WALL) FROM WOOD DIAPHRAGM ABOVE TO SHEAR WALLS BELOW.
  6. COORDINATE SIZE AND LOCATION OF MECHANICAL OPENINGS WITH MECHANICAL EQUIPMENT SUPPLIER, MECHANICAL DRAWINGS, AND ARCHITECT.
  7. COORDINATE SIZE AND LOCATION OF PLUMBING SLEEVES, ROOF DRAINS, AND PENETRATIONS WITH PLUMBING ENGINEER AND ARCHITECT.

- LEGENDS:
- INDICATES SPAN DIRECTION OF 5/8" THICK APA RATED EXPOSURE 1 SHEATHING FASTENED TO ROOF TRUSSES WITH 8d COMMON NAILS @ 6" ON CENTER AT PANEL EDGES AND 12" ON CENTER IN FIELD. SEE DETAIL 3/SB-4.1.
  - INDICATES EXTENTS OF OVERBUILT/PIGGYBACK ROOF FRAMING.

