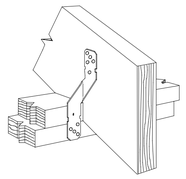
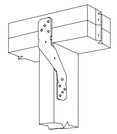
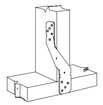


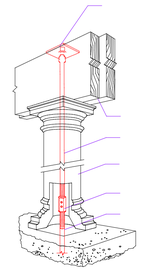
5 SIMPSON H8 RAFTER TO TOP PLATE
1 1/2" = 1'-0"



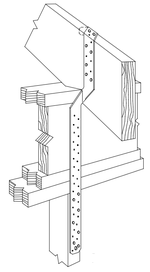
7 SIMPSON H8 STUD TO TOP PLATE
1 1/2" = 1'-0"



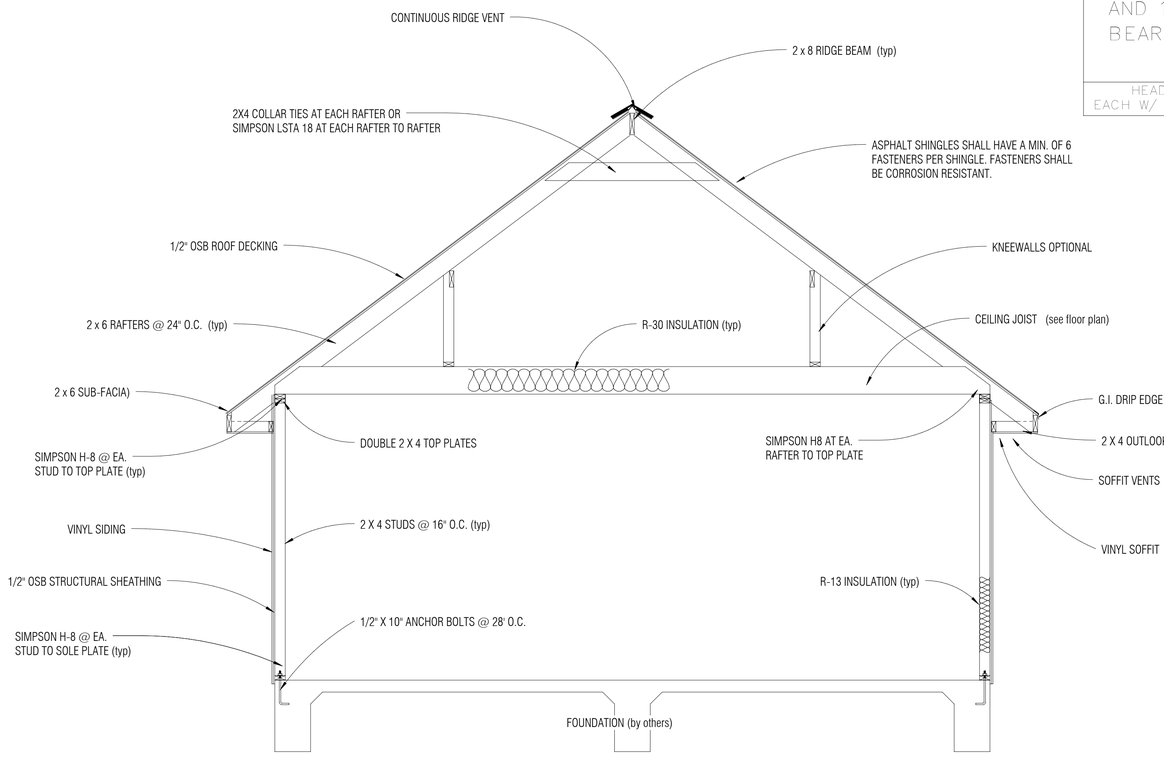
6 SIMPSON H8 STUD TO SOLE PLATE
1 1/2" = 1'-0"



2 COLUMN CONNECTION
1 1/2" = 1'-0"



9 SIMPSON KNEEWALL STRAP
1 1/2" = 1'-0"



1 TYPICAL FRAMING DETAIL
1/2" = 1'-0"

UPLIFT CONNECTIONS–130MPH WINDS EXP. "B"

CONNECTION	FRAMING SPACING (in.)	ROOF SPAN (ft.)	U	L	S	NUM. OF 8d COM. NAILS OR 10d BOX NAILS IN EA. END OF 1-1/4"x20 GA. STRAP
ROOF ASSEMBLY TO WALL ASSEMBLY	16" O.C.	17	386	246	109R	4
WALL ASSEMBLY TO WALL ASSEMBLY	16" O.C.	17	386	246	109R	4
WALL ASSEMBLY TO FOUNDATION	16" O.C.	17	170	185	436	4

THERMAL COMPONENT CRITERIA (U–FACTOR AND R–VALUE

MAX. GLAZING U-FACTOR	MINIMUM INSULATION R-VALUE					
	SHGC	CEILINGS	WALLS	FLOORS	BASEMENT WALLS	CRAWL SPACE
.75	.40	R–36	R–13	R–11	R–5	R–5

JACK STUD REQ.–EXP. B FOR EXT. LOAD BEARING WALLS

HEADER SUPPORTING	HEADER SPAN (ft.)	HEADER WIDTH 3"	4.5"	5"	6.5"
		NO. JACK STUDS REQ.			
ROOF AND CEILING	2	1	1	1	1
	4	1	1	1	1
	6	2	1	2	2
	8	2	2	2	2
	10	3	2	2	2
	12	3	2	2	2
	14	4	3	2	2
	16	4	3	3	2
ROOF, CEILING, AND 1 CENTER BEARING FLR.	2	1	1	1	1
	4	2	1	1	1
	6	2	2	2	1
	8	3	2	2	3
	10	4	3	2	2
	12	4	3	3	2
	14	5	3	3	3
	16	5	4	3	3

HEADER WIDTH–3" (2–2x), 4.5" (3–2x), 5", 6.5" (4–2x) EACH W/ 1/2" PLYWD. SPACER BETWEEN

ROOF SHEATH. OR CLAD. REQ. FOR WIND LOAD–EXP. B

SHEATHING LOCATION	RAFTER/ TRUSS SPAC.	E	F
		MAX. NAIL SPAC. FOR 8d COM. NAILS OR 10d BOX NAILS (INCHES, O.C.)	
INTERIOR ZONE	12" O.C.	6	12
	16" O.C.	6	12
	24" O.C.	6	12
PERIMETER EDGE ZONE	12" O.C.	6	12
	16" O.C.	6	6
	24" O.C.	6	6

130 MPH WINDS–EXPOSURE "B" (TYP.)

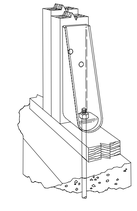
WALL SHEATH. OR CLAD. REQ. FOR WIND LOAD–EXP. B

SHEATHING LOCATION	STUD SPAC.	E	F
		MAX. NAIL SPAC. FOR 8d COM. NAILS OR 10d BOX NAILS (INCHES, O.C.)	
INTERIOR ZONE	12" O.C.	6	12
	16" O.C.	6	12
	24" O.C.	6	12
PERIMETER EDGE ZONE	12" O.C.	6	12
	16" O.C.	6	12
	24" O.C.	6	12

130 MPH WINDS–EXPOSURE "B" (TYP.)

NOTE:

H8 MAY BE OMITTED IF STORM SHEATHING IS APPLIED CONTINUOUS FROM SILL TO DOUBLE TOP PLATE



8 SIMPSON PHD5 HOLDOWN
1 1/2" = 1'-0"

HEADER SPANS–EXPOSURE B FOR EXTERIOR LOADBEARING WALLS

HEADER SIZE	SPAN	NO. FULL HGT. STUDS REQ. AT EA. END
(2)2x6'S	5'–6"	2
(2)2x8'S	6'–1"	3
(2)2x10'S	6'–8"	3
(2)2x12'S	7'–1"	3
(3)2x8'S	7'–5"	3
(3)2x10'S	8'–3"	3
(3)2x12'S	8'–8"	3
(4)2x8'S	8'–7"	3
(4)2x10'S	9'–6"	3
(4)2x12'S	10'–0"	4

130MPH WINDS–EXPOSURE "B"(TYP.) EACH W/ 1/2" PLYWD.SPACER BETWEEN

NOTE:
BUILDING WIDTH IS MEASURED PERPENDICULAR TO THE RIDGE. FOR WIDTHS BETWEEN THOSE SHOWN, SPANS ARE PERMITTED TO BE INTER–POLATED.

NOTE:
ALL HEADERS SHALL HAVE SOLID BLOCKING

NOTE: Although every effort has been made in preparing these plans, the contractor is ultimately responsible for checking plans for accuracy and or errors before construction begins.

No.	Description	Date

Hugo Martinez
Lot 3, OAK RANCH ESTATES, PHASE 3
St. Tammany Parish

Cross Section

Project number
Date 9/18/2023
Drawn by
Checked by

A105

Scale As indicated