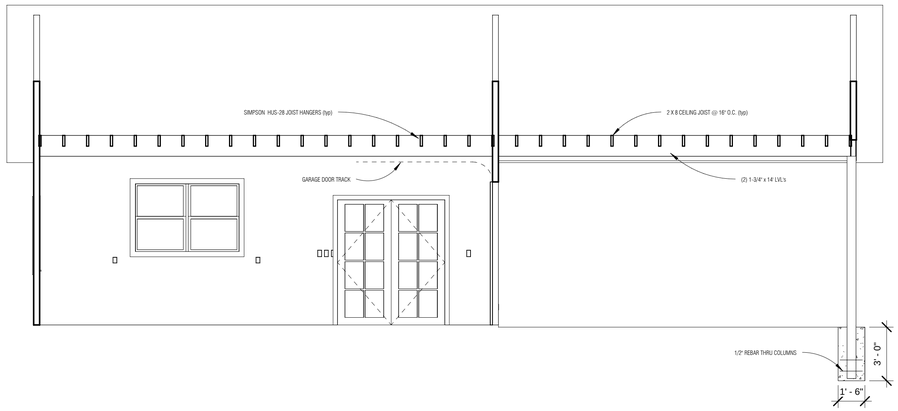
UPLIFT CONNECTIONS–130MPH WINDS EXP. "B"

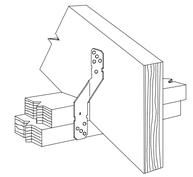
CONNECTION	FRAMING SPACING (in.)	ROOF SPAN (ft.)	U	L	S	NUM. OF 8d COM. NAILS OR 10d BOX NAILS IN EA. END OF 1-1/4"x20 GA. STRAP
ROOF ASSEMBLY TO WALL ASSEMBLY	16" O.C.	17	386	246	109R	4
WALL ASSEMBLY TO WALL ASSEMBLY	16" O.C.	17	386	246	109R	4
WALL ASSEMBLY TO FOUNDATION	16" O.C.	17	170	185	436	4

THERMAL COMPONENT CRITERIA (U–FACTOR AND R–VALUE

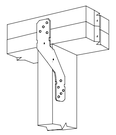
MAX. GLAZING U-FACTOR	MINIMUM INSULATION R-VALUE					
	SHGC	CEILINGS	WALLS	FLOORS	BASEMENT WALLS	CRAWL SPACE
.75	.40	R–26	R–13	R–11	R–5	R–5



14 Side Cross Section
1/4" = 1'-0"

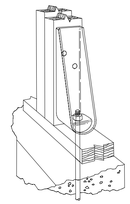


5 SIMPSON H8 RAFTER TO TOP PLATE
1 1/2" = 1'-0"

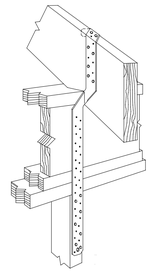


7 SIMPSON H8 STUD TO TOP PLATE
1 1/2" = 1'-0"

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



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



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

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

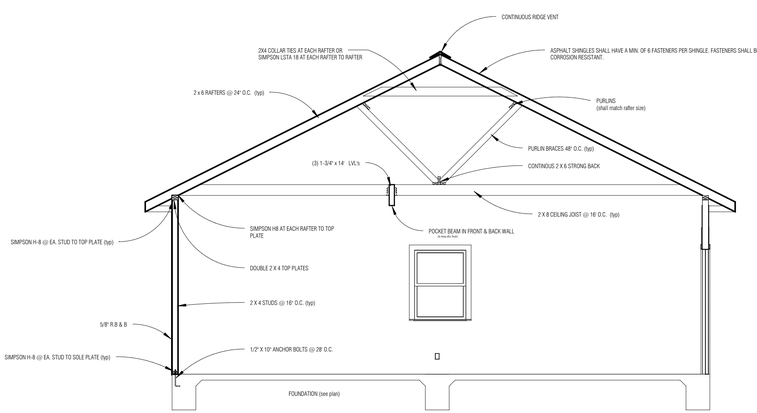
SHEATHING LOCATION	RAFTER/ TRUSS SPAC.	E	F
		MAX. NAIL SPAC. FOR 8d COM. NAILS OR 10d BOX NAILS (INCHES, O.C.)	
INTERIOR ZONE	12" O.C.	6	12
	16" O.C.	6	12
	24" O.C.	6	12
PERIMETER EDGE ZONE	12" O.C.	6	12
	16" O.C.	6	6
	24" O.C.	6	6

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.)



15 Front Cross Section
1/4" = 1'-0"

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

HEADER SPANS–EXPOSURE B FOR EXTERIOR LOADBEARING WALLS

HEADER SIZE	SPAN	NO. FULL HGT. STUDS REQ. AT EA. END
(2)2x4'S	4'–7"	2
(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

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CRAMER DESIGN
1710 Roselawn Dr.
Slidell, LA. 70460
985.641.7237

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

Sandra Smith

Cross Section

Project number	0805
Date	3/15/08
Drawn by	JC
Checked by	JC
	A104
Scale	As indicated

3/16/2008 11:39:00 PM