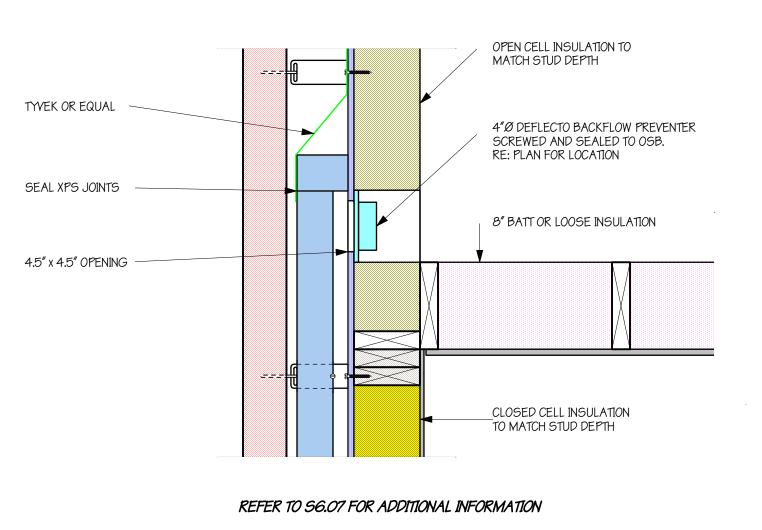
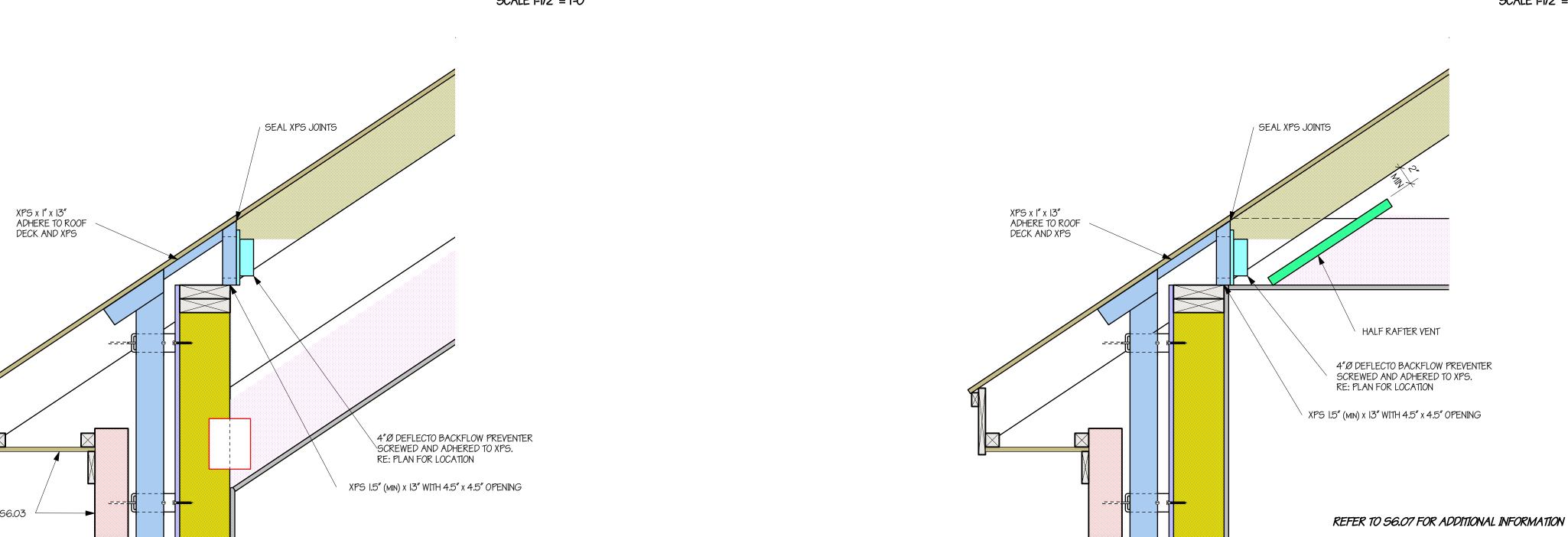


LINTEL SCHEDULE							
CLEAR SPAN	LINTEL						
5'-0" OR LESS	L 3-1/2 x 3-1/2 x 5/16						
5'-0" TO 7'-0"	L 4 x 3-1/2 x 5/16						
7'-0" TO 8'-0"	L 5 x 3-1/2 x 5/16						
	DE ADÍNIO E A OLLEND						

I. PROVIDE 8" MINIMUM BEARING EACH END OF LINTEL 2. PROVIDE AN END DAM EACH END OF LINTEL TO PROHIBIT MOISTURE FLOW INTO THE WALL







GREAT ROOM AND TALL GARAGE ROOF AT WALL - VENTILATION PLENUM	<u> 56.05</u>
SCAI	LE 1-1/2" = 1'-0"

RE: 96.03

ROOF AT WALL - VENTILATION PLENUM	<u>56.06</u>
	SCALE I-1/2" = 1'-0"

1/2" OSB OR PLYWOOD SHEATHING

R-30 BATT INSULATION

SCALE 1-1/2" = 1'-0"

REFER TO S6.07 FOR ADDITIONAL INFORMATION

OPEN CELL INSULATION TO  $^{\setminus}$  MATCH RAFTER DEPTH

SIMPSON HIA AT EACH RAFTER

XPS x 14.5" TO MATCH THE DEPTH OF THE RAFTER OPENING

SEAL XPS JOINTS

VENTILATED SOFFIT

HIP ROOF AT WALL

## NAILING SCHEDULE (UNLESS NOTED OTHERWISE)

EM DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE	SPACING AND LOCATION	ITEM	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER <sup>a, b, c</sup>	SPACING AND LOCATION	ITEM	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER <sup>a, b, c</sup>	SPACING A	ND LOCATION
	OF FASTENER <sup>a, b, c</sup>			Bottom plate to joist, rim joist, band joist or blocking (not at braced wall panels)	16d common $(3^{1}/_{2}" \times 0.162")$	16" o.c. face nail			Floor		
1 Blocking between ceiling joists or rafters to top plate	4-8d box $(2^{1}/_{2}" \times 0.113")$ or 3-8d common $(2^{1}/_{2}" \times 0.131")$ ; or 3-10d box $(3" \times 0.128")$ ; or 3-3" $\times 0.131"$ nails		14		16d box $(3^{1}/_{2}" \times 0.135")$ ; or $3" \times 0.131"$ nails	12" o.c. face nail	24	2" subfloor to joist or girder	3-16d box $(3^{1}/_{2}" \times 0.135")$ ; or 2-16d common $(3^{1}/_{2}" \times 0.162")$	Blind an	nd face nail
		Toe nail	15	Bottom plate to joist, rim joist, band joist or blocking (at braced wall panel)	3-16d box $(3^{1}/_{2}" \times 0.135")$ ; or 2-16d common $(3^{1}/_{2}" \times 0.162")$ ; or	3 each 16" o.c. face nail 2 each 16" o.c. face nail	25	2" planks (plank & beam—floor & roof)	3-16d box $(3^{1}/_{2}" \times 0.135")$ ; or 2-16d common $(3^{1}/_{2}" \times 0.162")$	At each bea	aring, face nail
2 Ceiling joists to top plate	4-8d box $(2^{1}/_{2}" \times 0.113")$ ; or 3-8d common $(2^{1}/_{2}" \times 0.131")$ ; or 3-10d box $(3" \times 0.128")$ ; or 3-3" $\times 0.131"$ nails	Per joist, toe nail	_	blocking (at braced wan paner)	4-3" × 0.131" nails  4-8d box $(2^{1}/_{2}" \times 0.113")$ ; or 3-16d box $(3^{1}/_{2}" \times 0.135")$ ; or 4-8d common $(2^{1}/_{2}" \times 0.131")$ ; or	4 each 16" o.c. face nail  Toe nail	26	Band or rim joist to joist	3-16d common (3 <sup>1</sup> / <sub>2</sub> " × 0.162") 4-10 box (3" × 0.128"), or 4-3" × 0.131" nails; or 4-3" × 14 ga. staples, <sup>7</sup> / <sub>16</sub> " crown	End nail	
Ceiling joist not attached to parallel rafter, laps over partitions (see Section R802.5.2 and Table R802.5.2)	4-10d box (3" × 0.128"); or 3-16d common (3 <sup>1</sup> / <sub>2</sub> " × 0.162"); or 4-3" × 0.131" nails	Face nail		16 Top or bottom plate to stud	4-10d box (3" × 0.128"); or 4-3" × 0.131" nails 3-16d box (3 <sup>1</sup> / <sub>2</sub> " × 0.135"); or 2-16d common (3 <sup>1</sup> / <sub>2</sub> " × 0.162"); or 3-10d box (3" × 0.128"); or				20d common (4" × 0.192"); or	Nail each layer as follows: 32" at top and bottom and staggere	
4 Ceiling joist attached to parallel rafter (heel joint) (see Section R802.5.2 and Table R802.5.2)	Table R802.5.2	Face nail				End nail	27 B	Built-up girders and beams, 2-inch lumber layers	10d box (3" × 0.128"); or 3" × 0.131" nails  And:	24" o.c. face nail at top and botton staggered on opposite sides	
5 Collar tie to rafter, face nail or $1^{1}/_{4}$ " × 20 ga. ridge strap to rafter	4-10d box (3" × 0.128"); or 3-10d common (3" × 0.148"); or 4-3" × 0.131" nails	Face nail each rafter	17		3-3" × 0.131" nails  3-10d box (3" × 0.128"); or  2-16d common ( $3^{1}/_{2}$ " × 0.162"); or	Face nail			2-20d common (4" × 0.192"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails	Face nail at ends and at each spl	
6 Rafter or roof truss to plate	3-16d box nails (3 <sup>1</sup> / <sub>2</sub> " × 0.135"); or 3-10d common nails (3" × 0.148"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131" nails	2 toe nails on one side and 1 toe nail on opposite side of each rafter or truss <sup>1</sup>	18	1" brace to each stud and plate	3-3" × 0.131" nails  3-8d box $(2^{1}/_{2}" \times 0.113")$ ; or  2-8d common $(2^{1}/_{2}" \times 0.131")$ ; or  2-10d box $(3" \times 0.128")$ ; or	Face nail	28	Ledger strip supporting joists or rafters	4-16d box $(3^{1}/_{2}" \times 0.135")$ ; or 3-16d common $(3^{1}/_{2}" \times 0.162")$ ; or 4-10d box $(3" \times 0.128")$ ; or 4-3" × 0.131" nails	At each joist or rafter, face nai	
Roof rafters to ridge, valley or hip rafters or roof rafter to minimum 2" ridge beam	4-16d (3 <sup>1</sup> / <sub>2</sub> " × 0.135"); or 3-10d common (3" × 0.148"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131" nails 3-16d box 3 <sup>1</sup> / <sub>2</sub> " × 0.135"); or	Toe nail		19 1" × 6" sheathing to each bearing	2 staples $1^{3}/_{4}$ "  3-8d box $(2^{1}/_{2}$ " × 0.113"); or  2-8d common $(2^{1}/_{2}$ " × 0.131"); or  2-10d box $(3$ " × 0.128"); or  2 staples, 1" crown, 16 ga., $1^{3}/_{4}$ " long	Face nail	29	Bridging or blocking to joist	2-10d box (3" × 0.128"), or 2-8d common $(2^{1}/_{2}" \times 0.131")$ ; or 2-3" × 0.131") nails	Each en	nd, toe nail
		Toe nan	19				ITEM	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER®. b. c	SPACING OF FASTENERS	
		+								Edges (inches) <sup>h</sup>	Intermediate supports <sup>c, e</sup>
	2-16d common ( $3^{1}/_{2}$ " × 0.162"); or 3-10d box ( $3$ " × 0.128"); or 3-3" × 0.131" nails	End nail		$1'' \times 8''$ and wider sheathing to each bearing	3-8d box $(2^{1}/_{2}" \times 0.113")$ ; or 3-8d common $(2^{1}/_{2}" \times 0.131")$ ; or 3-10d box $(3" \times 0.128")$ ; or 3 staples, 1" crown, 16 ga., $1^{3}/_{4}$ " long Wider than 1" × 8" 4-8d box $(2^{1}/_{2}" \times 0.113")$ ; or 3-8d common $(2^{1}/_{2}" \times 0.131")$ ; or 3-10d box $(3" \times 0.128")$ ; or		Wood structural panels, subfloor, roof and interior wall sheathing to framing and particleboard wall sheathing to framing [see Table R602.3(3) for wood structural panel exterior wall sheathing to wall framing]				
	Wall						30	3/ " 1/ "	6d common (2" × 0.113") nail (subfloor, wall) <sup>i</sup> 8d common (2 <sup>1</sup> / <sub>2</sub> " × 0.131") nail (roof); or RSRS	6	12 <sup>f</sup>
8 Stud to stud (not at braced wall panels)	16d common $(3^{1}/_{2}" \times 0.162")$	24" o.c. face nail				Face nail		$\binom{7}{8} - \binom{7}{2}$	of continion (2 $\frac{7}{2}$ \times 0.131 ) han (1001), of RSRS $0.1(2^{3})^{8} \times 0.113^{8}$ ) nail (roof)	-	12
	10d box (3" × 0.128"); or 3" × 0.131" nails	16" o.c. face nail						<sup>19</sup> / <sub>32</sub> " – 1"	8d common nail $(2^1/_2" \times 0.131")$ ; or RSRS-01; $(2^3/_8" \times 0.113")$ nail (roof) <sup>j</sup>	6	12 <sup>f</sup>
Stud to stud and abutting studs at intersecting wall corners (at braced wall panels)	16d box $(3^{1}/_{2}" \times 0.135")$ ; or $3" \times 0.131"$ nails	12" o.c. face nail			4 staples, 1" crown, 16 ga., 1 <sup>3</sup> / <sub>4</sub> " long  Floor		32	$1^{1}/_{8}" - 1^{1}/_{4}"$	10d common (3" × 0.148") nail; or 8d ( $2^{1}/_{2}$ " × 0.131") deformed nail	6	12
(at braced warr paners)	16d common $(3^{1}/_{2}" \times 0.162")$			Joist to sill, top plate or girder	4-8d box $(2^{1}/_{2}" \times 0.113")$ ; or 3-8d common $(2^{1}/_{3}" \times 0.131")$ ; or	Toe nail 33		Other wall sheathing <sup>9</sup>			
Built-up header (2" to 2" header with 1/2" spacer)	16d common $(3^{1}/_{2}" \times 0.162")$ 16d box $(3^{1}/_{2}" \times 0.135")$	16" o.c. each edge face nail 12" o.c. each edge face nail	21		3-10d box (3" × 0.128"); or 3-3" × 0.131" nails		33	1/2" structural cellulosic fiberboard sheathing	1 <sup>1</sup> / <sub>2</sub> " galvanized roofing nail, <sup>7</sup> / <sub>16</sub> " head diameter, or 1 <sup>1</sup> / <sub>4</sub> " long 16 ga. staple with <sup>7</sup> / <sub>16</sub> " or 1" crown	3	6
1 Continuous header to stud	5-8d box (2 <sup>1</sup> / <sub>2</sub> "× 0.113"); or 4-8d common (2 <sup>1</sup> / <sub>2</sub> "× 0.131"); or 4-10d box (3"× 0.128")	Toe nail	22	Rim joist, band joist or blocking to sill or top plate (roof applications also)	8d box (2 <sup>1</sup> / <sub>2</sub> " × 0.113") 8d common (2 <sup>1</sup> / <sub>2</sub> " × 0.131"); or	4" o.c. toe nail	34	<sup>25</sup> / <sub>32</sub> " structural cellulosic fiberboard sheathing	$1^{3}/_{4}$ " galvanized roofing nail, $^{7}/_{16}$ " head diameter, or $1^{1}/_{2}$ " long 16 ga. staple with $^{7}/_{16}$ " or 1" crown	3	6
	16d common $(3^{1}/_{2}" \times 0.162")$	16" o.c. face nail			10d box (3" × 0.128"); or 3" × 0.131" nails	6" o.c. toe nail	35	1/2" gypsum sheathing <sup>d</sup>	$1^{1}/_{2}$ " galvanized roofing nail; staple galvanized, $1^{1}/_{2}$ " long; $1^{1}/_{4}$ " screws, Type W or S	7	7
Top plate to top plate	10d box (3" × 0.128"); or 3" × 0.131" nails	12" o.c. face nail	23	23 1" × 6" subfloor or less to each joist	3-8d box (2 <sup>1</sup> / <sub>2</sub> " × 0.113"); or 2-8d common (2 <sup>1</sup> / <sub>2</sub> " × 0.131"); or 3-10d box (3" × 0.128"); or	Face nail	36	5/8" gypsum sheathing <sup>d</sup>	1 <sup>3</sup> / <sub>4</sub> " galvanized roofing nail; staple galvanized, 1 <sup>5</sup> / <sub>8</sub> " long; 1 <sup>5</sup> / <sub>8</sub> " screws, Type W or S	7	7
		Face nail on each side of end joint			2 staples, 1" crown, 16 ga., $1^{3}/_{4}$ " long			Wood structural	panels, combination subfloor underlayment to framing		
Double top plate splice	12-10d box (3" × 0.128"); or 12-3" × 0.131" nails	(minimum 24" lap splice length each side of end joint)	ave	verage bending yield strengths as shown: 80 ksi for shank diameter of 0.192 inch (20d common nail), 90 ksi for shank diameters larger than 0.142 inch but		37	3/4" and less	6d deformed $(2" \times 0.120")$ nail; or 8d common $(2^{1}/_{2}" \times 0.131")$ nail	6	12	
b. Staples are 16 gage w		ples are 16 gage wire and have a minimum <sup>7</sup> / <sub>16</sub> -inch or	han 0.177 inch, and 100 ksi for shank diameters of 0.142 inch or less.  16 gage wire and have a minimum $\frac{7}{16}$ -inch on diameter crown width.			<sup>7</sup> / <sub>8</sub> " – 1"	8d common (2 <sup>1</sup> / <sub>2</sub> " × 0.131") nail; or 8d deformed (2 <sup>1</sup> / <sub>2</sub> " × 0.120") nail	6	12		
			<ul> <li>c. Nails shall be spaced at not more than 6 inches on center at all supports where spans are 48 inches or greater.</li> <li>d. Four-foot by 8-foot or 4-foot by 9-foot panels shall be applied vertically.</li> <li>e. Spacing of fasteners not included in this table shall be based on Table R602.3(2).</li> </ul>		39	11/8"-11/4"	10d common $(3" \times 0.148")$ nail; or 8d deformed $(2^{1}/_{2}" \times 0.120")$ nail	6	12		

56.09 NAILING SCHEDULE

h. Spacing of fasteners on floor sheathing panel edges applies to panel edges supported by framing members and required blocking and at floor perimeters only. Spacing of fasteners on roof sheathing panel edges applies to panel edges supported by framing members and required blocking. Blocking of roof or floor sheathing panel edges perpendicular to the framing members need not be provided except as required by other provisions of this code. Floor perimeter shall be

i. Where a rafter is fastened to an adjacent parallel ceiling joist in accordance with this schedule, provide two toe nails on one side of the rafter and toe nails from the ceiling joist to top plate in accordance with this schedule. The toe nail on the opposite side of the rafter shall not be required.
j. RSRS-01 is a Roof Sheathing Ring Shank nail meeting the specifications in ASTM F1667.

SCALE |-1/2" = 1'-0"

SCALE 1-1/2" = 1'-0"

STEEL LINTEL SCHEDULE

WALL AT FOUNDATION

DOOR AT WALL