

HEADERS IN NON-LOAD BEARING WALLS & WINDOW SILL PLATES
FOR NON-LOAD BEARING WALLS AND WINDOW SILL PLATES. (7) 2X4 (FLAT) CAN BE SUBSTITUTED FOR (7) 2X6

HEADERS SPAN (FT)	MINIMUM HEADER SIZE	NUMBER OF FULL HEIGHT STUDS	UP/LIFT (LB)	LATERAL (LB)
1	(3) 2 X 4 (FLAT)	2	60	157 lb
2	(3) 2 X 4 (FLAT)	2	90	236 lb
3	(2) 2 X 6	2	120	314 lb
4	(2) 2 X 6	3	150	393 lb
5	(2) 2 X 6	3	180	471 lb
6	(2) 2 X 6	3	210	550 lb
7	(2) 2 X 6	3	240	628 lb
8	(2) 2 X 6	3	270	707 lb
9	(2) 2 X 6	3	300	785 lb
10	(2) 2 X 6	4	330	864 lb
11	(2) 2 X 6	4	360	942 lb

HEADERS IN LOAD BEARING WALLS

HEADER SPAN (FT)	MINIMUM HEADER SIZE	NUMBER OF FULL HEIGHT STUDS	UP/LIFT (LB)	LATERAL (LB)
1	(3) 2X4	1	50	125
2	(3) 2X4	2	75	188
3	(3) 2X4	2	100	250
4	(3) 2X4	3	125	313
5	(3) 2X4	3	150	375
6	(3) 2X4	3	175	438
7	(3) 2X4	3	200	499
8	(3) 2X4	3	225	560
9	(3) 2X4	3	250	621
10	(3) 2X4	4	275	682
11	(3) 2X4	4	300	743

FULL HEIGHT STUDS
FULL HEIGHT STUDS SHALL MEET THE SAME REQUIREMENTS AS EXTERIOR WALL STUDS PER SEC. 4.1. TABLE 5 OF THE WOOD FRAME CONSTRUCTION MANUAL (SDI WFCM) - SYMBOLIZE WITH THE MINIMUM NUMBER OF FULL HEIGHT STUDS AT EACH END OF THE HEADER SHALL NOT BE LESS THAN THE MINIMUM NUMBER OF FULL HEIGHT STUDS REQUIRED BY THE WOOD FRAME CONSTRUCTION MANUAL, SECTION 4.2. TABLE 5. FULL HEIGHT STUDS SHALL BE PERMITTED TO REPLACE AN EQUIVALENT NUMBER OF JACK STUDS, WHEN ABSOLUTE GRAVITY CONNECTIONS ARE PROVIDED.

WINDOW SILL PLATES
MAXIMUM SPANS FOR WINDOW SILL PLATES USED IN EXTERIOR WALLS SHALL NOT EXCEED THE SPANS GIVEN IN WFCM - SEC. 4.2, TABLE 9.

HEADERS AND/OR STUDS TO STUD CONNECTIONS
HEADERS AND/OR STUDS TO STUD CONNECTIONS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS PER SEC. 4.2, TABLE 9.
WINDOW SILL PLATE TO STUD CONNECTIONS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS GIVEN IN WFCM - SEC. 4.2, TABLE 9.

TOP AND BOTTOM PLATE TO FULL HEIGHT STUD
EACH FULL HEIGHT STUD SHALL BE CONNECTED IN ACCORDANCE WITH THE REQUIREMENTS GIVEN IN WFCM - SEC. 4.2, TABLE 9.

MISCELLANEOUS NOTES
1. ALL EXTERIOR WALLS TO BE SHEAR WALLS WITH WALLING PATTERN, (12" OR FLUWOOD @ 3" MIN) CLEARANCE AT JOINT.
2. INSTALL SIMPSON 110 (110A) OR (2) #2 @ EACH RAFTER TO TOP PLATE.
3. CONNECTIONS SHOULD PROVIDE ADEQUATE TEMPORARY BRACING FOR STRUCTURE AND ITS STRUCTURE IS DESIGN FOR A COMPLETE CONDITION ONLY AND THEREFORE REQUIRES ADDITIONAL TEMPORARY SUPPORTS TO MAINTAIN STABILITY DURING CONSTRUCTION.

FLOOR JOIST SCHEDULE FOR SOUTHERN PINE #2
WITH A DEAD LOAD OF 20 PSF
PER SEC. 2015 (SEC. 3.112)

JOIST SPACING	2X	MAXIMUM SPAN
12" O.C.	2x6	9'-10"
12" O.C.	2x6	12'-6"
12" O.C.	2x10	14'-9"
12" O.C.	2x12	17'-5"
16" O.C.	2x6	8'-6"
16" O.C.	2x8	10'-0"
16" O.C.	2x10	12'-0"
16" O.C.	2x12	15'-1"

GENERAL ROOF FRAMING NOTES

- ALL RIDGE, HIP & VALLEY MEMBERS SHALL BE A 2X12 MINIMUM AND CONTINUOUS IN LENGTH, USE 1-3/4" DIA. FOR CONTINUOUS LENGTH, IF NECESSARY.
- WED RESISTANT TRIANGULAR BRACING, 2X4 9FT, STUD GRADE ON BEAMS.
- DOUBLE ROOF RAFTERS @ ALL SIDE WALLS OF SPANNERS.
- DOUBLE ROOF RAFTERS + HEADER FRAMING @ CHIMNEY WELLS WITH 2" CLEARANCE.
- GABLE ENDS ROOF FRAMING SHALL HAVE FULL DEPTH PERPENDICULAR BRACING @ 40" O.C. 4-40" IN FROM GABLE END WALL (PER SEC. 16.03.03 (MCS 603)).
- ALL TRUSSES UNLESS OTHERWISE NOTED, SHALL BE 2X4 @ 16" O.C.
- ALL RAFTERS TO BE STRUCTURALLY SUPPORTED BY SUPPORTING ANCHOR BEAMS) DESIGNED BY OTHERS.

ROOF RAFTER SCHEDULE
PER SEC. 2015 TABLE 902.5.1 (6)
#4 SOUTHERN PINE DEAD LOAD = 10 PSF

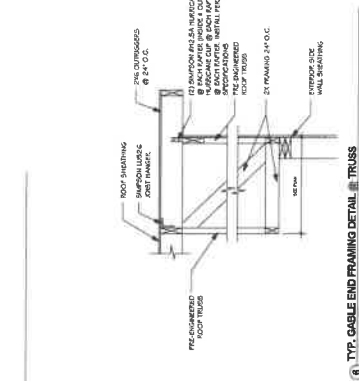
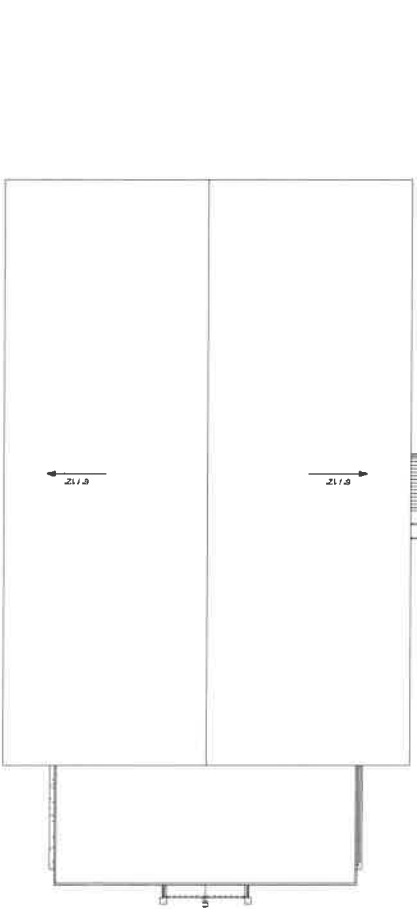
2 X 6 @ O.C. UP TO 11'-7" (UNSHORED SPAN)
2 X 10 @ O.C. UP TO 13'-9" (UNSHORED SPAN)
2 X 12 @ O.C. UP TO 15'-0" (UNSHORED SPAN)

CENDING JOINT SCHEDULE (WITHOUT STORAGE)
PER SEC. TABLE 9.02.4

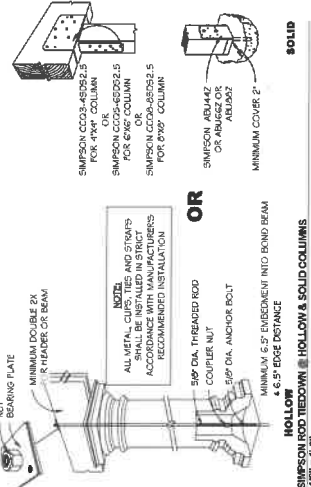
2 X 6 @ O.C. UP TO 15'-0" (UNSHORED SPAN)
2 X 6 @ O.C. UP TO 15'-0" (UNSHORED SPAN)
2 X 10 @ O.C. UP TO 25'-7" (UNSHORED SPAN)

CENDING JOINT SCHEDULE (WITH LIMITED STORAGE)
PER SEC. TABLE 9.02.4

2 X 6 @ O.C. UP TO 15'-0" (UNSHORED SPAN)
2 X 6 @ O.C. UP TO 15'-0" (UNSHORED SPAN)
2 X 10 @ O.C. UP TO 19'-1" (UNSHORED SPAN)



1. TYP. GABLE END FRAMING DETAIL @ TRUSS 34'-0" x 21'-0"



2. TYP. EAVE DETAIL (TRUSS) 1'-0" x 1'-0"



REVISIONS

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