

68  
S0.4  
FRAMING PLAN - ROOF  
1/4" = 1'-0"

SHEAR WALL SCHEDULE					
SHEAR WALL TYPE	SHEATHING TYPE	PANEL EDGE NAILING	FIELD NAILING	ANCHORAGE	ALLOWABLE WIND SHEAR CAPACITY
SW1	7/16" WSP	6"	12"	(5/8" Ø @ 40" O.C. - AT CONCRETE) - (0.131" X 3" LONG NAILS @ 3" OC - AT WOOD)	335 PLF
SW2	7/16" WSP	4"	12"	(5/8" Ø @ 32" O.C. - AT CONCRETE) - (0.131" X 3" LONG NAILS @ 3" OC - AT WOOD)	490 PLF
SW3	7/16" WSP	3"	12"	(5/8" Ø @ 24" O.C. - AT CONCRETE) - (0.131" X 3" LONG NAILS @ 2" OC - AT WOOD)	630 PLF
SW4	15/32" WSP	3"	12"	(5/8" Ø @ 24" O.C. - AT CONCRETE) - (0.148" X 3" LONG NAILS @ 2" OC - AT WOOD)	840 PLF
SW5	15/32" WSP	2"	12"	(5/8" Ø @ 24" O.C. - AT CONCRETE) - (0.148" X 3" LONG NAILS @ 2" OC - AT WOOD)	991 PLF
SW6	5/8" GYP WALLBOARD	7"	12"	(5/8" Ø @ 48" O.C. - AT CONCRETE) - (0.131" X 3" LONG NAILS @ 12" OC - AT WOOD)	115 PLF
SW7	5/8" GYP WALLBOARD	4"	12"	(5/8" Ø @ 48" O.C. - AT CONCRETE) - (0.131" X 3" LONG NAILS @ 12" OC - AT WOOD)	145 PLF

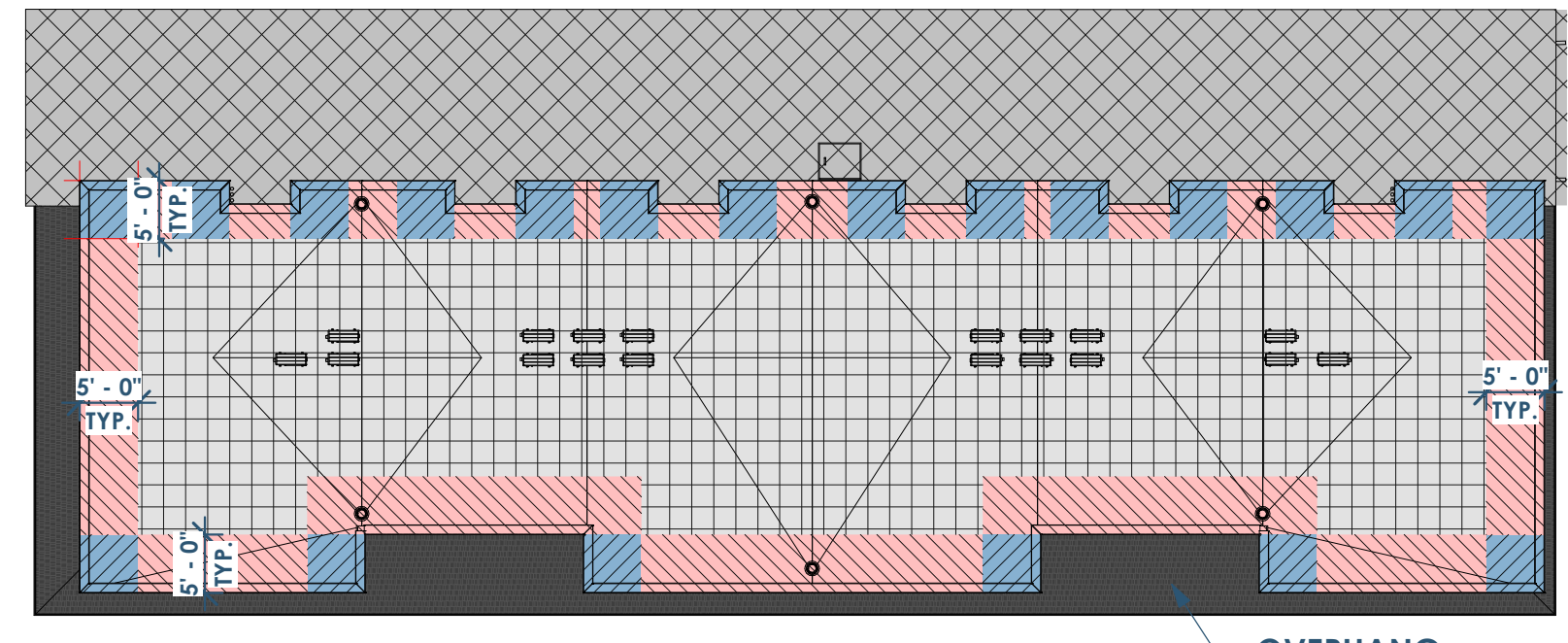
- SHEAR WALL NOTES:**
- ALL FASTENERS FOR WOOD STRUCTURAL PANEL SHALL BE FLAT HEAD NAILS CONSISTING OF THE FOLLOWING UNO:
    - 0.131" Ø X 3" LONG
    - 0.148" Ø X 3" LONG
  - FASTENERS FOR GYPSUM WALLBOARD SHALL BE ONE OF THE FOLLOWING:
    - 6d COOLER NAILS (0.092" X 1 7/8" LONG, 1/4" HEAD)
    - WALLBOARD NAIL (0.0915" X 1 7/8" LONG, 19/64" HEAD)
    - 130" NAIL X 1-3/4" LONG, MIN 3/8" HEAD
    - NO. 6 TYPE S OR W DRYWALL SCREWS 1-1/4" LONG
  - ANCHORS INTO CONCRETE SHALL EITHER BE CAST-IN-PLACE J-BOLTS OR ADHESIVE ANCHORS WITH A MINIMUM EMBEDMENT OF 8". THE CONTRACTOR SHALL SUBMIT PROPOSED ADHESIVE ANCHOR ASSEMBLY FOR APPROVAL.
  - ALL PANEL EDGES SHALL BE BLOCKED.
  - WSP = WOOD STRUCTURAL PANEL. REF GENERAL NOTES FOR SPECIFICATIONS.
  - IF WALL IS SHEATHED ON BOTH SIDES, THEN SILL PLATE ANCHORAGE AND CONNECTION OF BOTTOM PLATE TO TOP PLATE SHALL BE DOUBLED.
  - PANELS MUST BE INSTALLED DIRECTLY TO FRAMING.
  - VALUES CALCULATED ARE FOR SOUTHERN PINE OR DOUGLAS-FIR LARCH FRAMING. CONTACT EOR IF OTHER SPECIES ARE USED.
  - PROVIDE 1/8" WIDE JOINTS IN SHEATHING TO ALLOW FOR SHRINKAGE AND EXPANSION OF THE PANELS.
  - SHEAR WALLS REFERENCED ARE FOR SHEAR WALLS BELOW FLOOR.

- ROOF FRAMING NOTES:**
- METAL PLATE CONNECTED ROOF TRUSS FRAMING:**
- METAL PLATE CONNECTED WOOD TRUSSES SHALL BE SPACED @ 24" OC UNLESS NOTED OTHERWISE. LOADING CRITERIA SHALL BE AS FOLLOWS:
    - TOP CHORD LIVE LOAD (TCLL): 20 PSF
    - REF MECHANICAL DRAWINGS FOR RTUS.
    - TOP CHORD DEAD LOAD (TCDL): 5 PSF - SINGLE-PLY MEMBRANE ROOF (NOT INCLUDING SELF-WEIGHT)
    - BOTTOM CHORD LIVE LOAD (BCLL): 10 PSF (NON-CONCURRENT WITH TCLL)
    - BOTTOM CHORD DEAD LOAD (BCDL): 5 PSF
    - TOP CHORD WIND LOAD. REF COMPONENTS AND CLADDING SCHEDULE
  - TRUSS DEFLECTION LIMITS: TRUSSES SHALL BE LIMITED TO THE FOLLOWING DEFLECTION LIMITS:
    - PITCHED ROOF TRUSS: LIVE LOAD (L/240) TOTAL LOAD (L/180)
    - SHALLOW (< 4:12) PITCHED ROOF TRUSS: LIVE LOAD (L/240) TOTAL LOAD (L/240)
    - PITCHED ROOF TRUSS: 1.00 X DEFLECTION FROM ACTUAL DEAD LOAD.
  - DRAG TRUSSES SHALL BE PROVIDED DIRECTLY OVER INTERIOR SHEAR WALLS AND SHALL BE DESIGNED FOR A TOTAL FORCE EQUAL TO THE LENGTH OF THE SHEAR WALL MULTIPLIED BY THE ALLOWABLE SHEAR VALUE PROVIDED IN THE SHEAR WALL SCHEDULE FOR THAT SHEAR WALL TYPE.
  - TRUSS RESTRAINT/BRACING METHODS SHALL BE IN ACCORDANCE WITH BC31-B3 UNLESS NOTED OTHERWISE.

- ROOF DECKING NOTES:**
- ROOF DECKING SHALL BE 3/4" APA RATED SHEATHING (SPAN RATING 48/24).
  - PANELS SHALL SPAN 3 MORE RAFTERS IN THE .ONG DIMENSION.
  - PANEL CLIPS:
    - SINGLE-PLY OR MODIFIED BITUMEN ROOFING SYSTEMS:
      - LOW SLOPE ROOF (LESS THAN OR EQUAL TO 2:12)
        - DECKING SHALL HAVE PANEL EDGE CLIPS (H-CLIPS) LOCATED MIDWAY BETWEEN EACH SUPPORT.
      - SLOPE GREATER THAN 2:12
        - DECKING SHALL HAVE PANEL EDGE CLIPS (H-CLIPS) LOCATED MIDWAY BETWEEN EACH SUPPORT FOR ANY SPAN GREATER THAN 12.2' O.C.
    - ANY OTHER TYPE OF ROOFING SYSTEM
      - DECKING SHALL HAVE PANEL EDGE CLIPS (H-CLIPS) LOCATED MIDWAY BETWEEN EACH SUPPORT.

ROOF DECKING FASTENING		
ZONE	PANE EDGE / BOUNDARY	FIELD
ZONE 1	@ 6" O.C. MAX	@ 12" O.C. MAX
ZONE 2	@ 6" O.C. MAX	@ 6" O.C. MAX
ZONE 3	@ 4" O.C. MAX	@ 6" O.C. MAX
ZONE 3 OVERHANG	@ 3" O.C. MAX	@ 6" O.C. MAX

- ROOF DECKING FASTENING NOTES:**
- ALL NAILS SHALL BE 0.131" Ø X 2 1/2"; RING SHANK NAILS
  - REFER TO THE COMPONENTS AND CLADDING WIND PRESSURE MAP ON THE
  - GENERAL NOTES FOR ZONE LOCATIONS.
  - EDGE SPACING ALSO APPLIES OVER THE TOP OF SHEARWALLS.



6A  
S0.4  
FLOOR PLAN - ROOF WIND ZONE  
1/16" = 1'-0"

BEAM SCHEDULE				
BEAM TAG	BEAM SIZE	STUD PACK - NUMBER OF STUDS	FACE-MOUNT HANGER	TOP-FLANGE HANGER
B326H	(3)2X6	2	LU26-2	HU26-2TF
B328H	(3)-2X8	2	LU26-3	HU548TF
B3212H	(3)-2X12	3	HU210-3	HU212-3TF
B411	GL - 3 1/2" X 11 1/4"	3	HU5410	HB3.56/11.25

- BEAM LEGEND NOTES:**
- 'H' INDICATES MULTIPLE PLY DIMENSIONAL LUMBER BEAMS W/ 1/2" PLYWOOD SHEATHING. SEE 2A/S4.0
  - FOR KING AND JACK STUD REQUIREMENTS FOR EXTERIOR HEADERS REFER TO DETAIL 4C/S4.1
  - FOR KING AND JACK STUD REQUIREMENTS IN INTERIOR HEADERS REFER TO DETAIL 5B/S4.1
  - GL - GULIAM BEAMS SHALL BE ANTHONY POWER BEAM GLUE LAMINATED BEAMS OR APPROVED EQUAL
  - STUD PACKS ARE REQUIRED WHEN BEAM IS BEARING ON A WALL ASSEMBLY. STUD PACKS MUST CONTINUE ALL THE WAY TO THE FOUNDATION UNLESS TRANSFERRED BY A BEAM.
  - ALL STUDS IN STUD PACK SHALL BE NO.2 SOUTHERN PINE OR BETTER.
  - SHEATHING AND/OR DRYWALL MUST BE ATTACHED TO EACH INDIVIDUAL STUD IN THE STUD PACK.
  - ALL STUDS IN STUD PACK MUST BE FASTENED PER MECHANICALLY LAMINATED BUILT-UP COLUMN-NAILED - REFER TO 6A/S4.1

WALL STUD SCHEDULE				
TOP OF WALL	MAX PLATE HT	EXTERIOR WALL	INTERIOR NON-LOAD BEARING	PARTY WALL
ROOF	8' - 11 5/8"	2X6 NO.2 @ 16" O.C.	2X4 STUD @ 16" O.C.	2X4 STUD @ 16" O.C.
3RD	10' - 8"	2X6 NO.2 @ 16" O.C.	2X4 STUD @ 16" O.C.	2X4 STUD @ 12" O.C.
2ND	10' - 9 5/8"	2X6 NO.2 @ 16" O.C.	2X4 STUD @ 16" O.C.	2X4 STUD @ 8" O.C.

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