

5/8" ROOF SHEATHING
W/8d COMMON NAILS
@ 6"-6"-12" O.C.

| HEADER SCHEDULE | | | |
|-----------------|-------------------------------|------------------------------|------------------------------|
| HEADERS DF#1 | MAX. SPAN FOR ROOF LOADS ONLY | MAX. SPAN FOR ROOF + 1 FLOOR | MAX. SPAN FOR ROOF + 2 FLOOR |
| 4x6 | 8'-0" | 4'-0" | 2'-6" |
| 4x8 | 10'-0" | 5'-6" | 3'-6" |
| 4x10 | 12'-0" | 7'-0" | 4'-6" |
| 4x12 | 16'-0" | 8'-6" | 5'-6" |
| 4x16 | - | 10'-0" | 6'-8" |

| SHEAR WALL SCHEDULE | | | |
|---------------------|---|-----------------------|---------|
| TYPE | DESCRIPTION | SHEAR VALUE | |
| 1 | 1/2" CDX PLYWD., 4 OR 5 PLY, ONE SIDE, W/10dN @6" OR 1/2" OSB | E.N. & 10dN @12" I.N. | 295#/ft |
| 2 | 1/2" CDX PLYWD., 4 OR 5 PLY, ONE SIDE, W/10dN @4" OR 1/2" OSB | E.N. & 10dN @12" I.N. | 460#/ft |

Shearwall Notes:

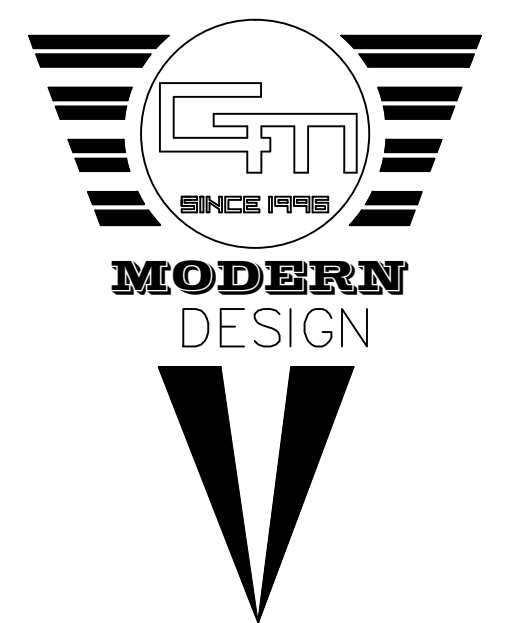
- All walls to be secured with a minimum of (4-3/4") and maximum (12") end distance for the anchor bolts. 7 bolt diameter end distance, and plate washers per Section 2308.6, 2016 CBC u.o.n.
- Where applicable, all interior walls with shot pins shall be Ramset #3348 or equal at 24" o/c at bearing walls and non-bearing walls, u.o.n.
- Code minimum (2) Anchor Bolts per panel.
- Code minimum 16 sole plate nails at 16" o/c typical at all second floor walls u.o.n.
- All diaphragm and shear wall nailing shall utilize common nails.
- Allowable shear for Stucco is (90 plf for seismic) (180 plf for wind) and for Gypsum Board (30 plf for seismic) (100 plf for wind).
- Stucco and drywall shear walls cannot exceed a height to length ratio of 1:1. These shear walls are not allowed below the top level of a multi-story building.
- Shear Wall Schedule to be used with studs at 16" o/c maximum.
- All interior shearwalls to be balloon framed with shear transfer to roof and/or floor diaphragm.
- Solid blocking shall be provided at all horizontal joints occurring in braced wall panels.
- Stucco shear walls shall utilize furring, galvanized nails (having a minimum 11 ga., 1-1/2" long, 7/16" diameter head, and furred out a min of L") to attach the lath to the studs. Staples shall not be used.
- Plate washers are required for all holdowns.
- Holdowns shall be re-tightened just prior to covering the wall framing.
- Hold-down hardware must be secured in place prior to foundation inspection.
- Waterproofing: Stucco and/or stucco with veneer over a plywood (all particle board) shear wall shall be waterproof with a minimum of two 15# felt (Grade D) underlayments.
- Fasteners (nails and anchor bolts) in pressure treated wood sill plates shall be hot dipped or stainless steel material.
- All diaphragm and shear wall nailing shall utilize common nails or galvanized box - hot dipped or tumbled.
- Shear walls shall run continuously from foundation to roof/floor framing.

Footnotes:

- Douglas Fir or Southern Pine framing (s.g. 0.49 minimum). All panel edges fastened to framing.
- All panel edges backed with 2-inch nominal or wider framing. Plywood installed either horizontally or vertically.
- Nail spacing along intermediate supports 12" O.C.
- Where plywood is applied on both faces of a wall and nail spacing is less than 6" O.C on either side, panel joints shall be offset to fall on different framing members or framing shall be 3-inch nominal or thicker and nails on each side shall be staggered.
- Framing at adjoining panel edges shall be nominal 3" or wider. Nails shall be staggered in two lines along panel edges when nail spacing is 2" O.C or when 10d common nails spaced 3" O.C penetrate framing more than 1-5/8".
- Nails shall be placed at least 3/8" from panel edges at least 1/2" from the edge of the connecting member for shears of 300 lb/ft or less.
- Use of these panels requires:
 - 3x framing members at the bottom sill plate when resting on concrete and behind vertical or horizontal panel edges.
 - Minimum 1/2" edge nailing distance at panel ends and edges.
 - Provide 3x studs and blocks between adjacent panels.
 - Square plate washers shall be used with all anchor bolts 5/8" bolt - 3" x 3" x 0.229"
 - Structural observation by a licensed engineer or architect when the design load exceeds 300 lb/ft.
 - Diaphragms and shear wall nailing to sill plates shall be compatible with other fasteners used and with the chemical composition of the preservative used to treat the wood.
- Where shear material is installed on both sides the spacing for the above top anchorage and sill connection shall be half that shown (u.o.n.).
- For existing condition only. 5/8" dia. anchor bolt at 5" embedment at concrete footing wall with Simpson SET-XP (Epoxy Tie) adhesive. deputy inspection required. ICC ESR-2508, City of L.A. RR 25744.
- Simpson LTP5 shall be installed in the long direction over plywood sheathing.

ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"

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Scale: 1/4"=1'-0"



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