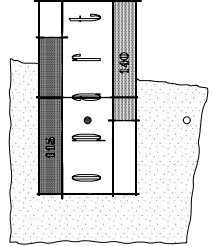


Prepared for:



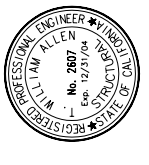
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REVISIONS



EMPIRE OFFICE Building w/Mezzanine

ALLEN DESIGNS
CONSULTING STRUCTURAL ENGINEERS
10000 ALLEN BLVD., SUITE 100
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DRAWING INFO.
MEZZANINE
FRAMING
PLAN

JOB NO. ADP204022A
DRAWN BA
DATE 11/24/04
CHECKED TMA
SCALE: 1/4"=1'-0"

SHEET NO.

S2.2

DESIGN LOADS:
LIVE LOAD 80 PSF
DEAD LOAD 27 PSF
PARTITION LOAD 20 PSF

FLOOR SHEATHING:
19/32" CDX WSP w/10d @ 6"-6"-12" Pll 24/0

(P-x*) REFERS TO POST DESIGN IN STRUCTURAL CALCULATIONS
(FB-x*) REFERS TO ROOF BEAM DESIGN IN STRUCTURAL CALCULATIONS

UNLESS NOTED OTHERWISE, CAMBER OF GLU-LAM BEAMS SHALL BE STANDARD (RADIUS = 2,000 FT) CAMBER UP.

MEZZANINE NOTES

SHEAR WALL SCHEDULE (MSP)

(WOOD STRUCTURAL PANELS) GRADE: STRUCTURAL I	SOLE PLATE NAILING (SPN)	ANCHOR BOLTS UNO
1 ONE SIDE OF WALL	16d @ 6" OR LTP4(5) @ 24"	48"
2 ONE SIDE OF WALL	16d @ 4" OR LTP4(5) @ 16"	32"(4)
3 ONE SIDE OF WALL	16d @ 3" OR LTP4(5) @ 12"	24"(4)
4 ONE SIDE OF WALL	3/8" X 5" LAGS @ 8" OR LTP4(5) @ 12"	24"
5 ONE SIDE OF WALL	3/8" X 5" LAGS @ 6" OR LTP4(5) @ 8"	16"
6 BOTH SIDES OF WALL(1)	3/8" X 5" LAGS @ 4" OR LTP4(5) @ 6"	12"
7 BOTH SIDES OF WALL(1)	3/8" X 5" LAGS @ 6" OR LTP4(5) @ 8"	12" (OR 3/4" @ 16")
8 BOTH SIDES OF WALL(1)	3/8" X 5" LAGS @ 3" OR LTP4(5) @ 4"	(OR 3/4" @ 12")

SHEAR WALL NOTES:

- WHERE SHEATHING IS APPLIED TO BOTH SIDES OF A WALL AND MEZZANINE IS TO BE INSTALLED, THE MEZZANINE SHALL BE INSTALLED ON THE EXTERIOR SIDE OF THE WALL. EITHER USE 15/32" MSP IF STUD SPACING IS GREATER THAN 16" OR APPLY PANELS WITH LONG DIMENSION PERPENDICULAR TO STUDS.
- USE 3X STUDS AT ABUTTING PANEL EDGES AND 3X FOUNDATION SILL PLATE. STAGGER NAILING. SEE STRUCTURAL NOTES "ALT. REQUIREMENT" AT PANEL EDGES.
- FOUNDATION SILL PLATE MAY BE 2X IF ANCHOR BOLT SPACING IS REDUCED IN HALF.
- WHERE SPECIFIC DETAIL ALLOWS/REQUIRES SIMPSON LTP4, INSTALL AT LEAST ONE LTP4 IN EACH BLOCK WHERE INSTALLED PERPENDICULAR TO FRAMING. IS 12".
- FIELD NAILING IN ALL CASES IS 12".

ANCHOR BOLTS:
ALL ANCHOR BOLTS SHALL HAVE PLATE WASHERS IN ACCORDANCE WITH SCHEDULE BELOW:
5/8" Ø 3-1/2" SO. X 1/4" THICK
EQUIVALENT MALLEABLE WASHERS (MASTER-CARR PART NO. 9153A035 FOR 5/8" Ø FOR EXAMPLE) ARE ACCEPTABLE SUBJECT TO REVIEW BY REQUEST.

IN ADDITION TO THE ANCHOR BOLT SPACING SHOWN IN THE SHEAR WALL TABLE, THE FOLLOWING LIMITS ARE APPLICABLE: ALL ANCHOR BOLTS SHALL BE INSTALLED WITH ONE END NOT MORE THAN 12 INCHES OR LESS THAN 7 BOLT DIAMETERS (4-3/8" FOR 5/8" Ø AND 5-1/4" FOR 3/4" Ø) FROM EACH END OF THE PIECE.
ALL ANCHOR BOLTS SHALL BE EMBEDDED 7" (MINIMUM) INTO CONCRETE OR MASONRY.

