

**PROJECT DETAILS:**

CLIENT: XYZ COMPANY  
 PROJECT#: 123456M-PE00  
 PROJECT NAME: ABC COMPANY  
 LOCATION: ZIP 12345

**DESIGN CRITERIA:**

LEVEL 1	
LOAD CAPACITY (PSF U.D.L. Live Load):	125
(PSF U.D.L. Dead Load)	10
MAX. VERTICAL DEFLECTION: L/	300
STOREY HEIGHT (in):	114
<b>SEISMIC DATA:</b>	
S <sub>s</sub> :	1.000
S <sub>1</sub> :	0.500
Site Class:	D
S <sub>05</sub> :	0.733
S <sub>01</sub> :	0.500
Occupancy Category:	II
SDC:	D
I:	1.00
Seismic Force-Resisting System:	Building Frames Systems: Ordinary steel concentrically braced frames
R:	3.25
Ω <sub>0</sub> :	2.00
C <sub>s</sub> :	3.250
V [kips]:	9.31
<b>Level 1</b>	
F <sub>x</sub> [kips]:	9.31

**GENERAL NOTES**

(PLEASE CHECK OFF BOXES TO CONFIRM EACH NOTE IS CORRECT)

- CAPACITY: 125 PSF LIVE LOAD
- CLEAR HEIGHT: 8' 0"
- TOP OF STRUCTURE: 9' 4"
- TOP OF FLOOR: 9' 6"
- TYPE OF FLOOR: 22GA CORRUGATED STEEL DECK [WHITE UNDERSIDE] WITH 1/2" COMPOSITE RESIN BOARD LD50 UNFINISHED OVERLAY
- ONE STAIRCASE, 31° SLOPE [IBC COMPLIANT]
  - RISERS: 6 1/4" OPEN TYPE
  - TREADS: 12"x36" COGAN TREAD PLATE [NOT FOR USE IN WET ENVIRONMENTS]

- 38.00 LNR.FT. OF HANDRAIL [TWO RAIL] INCLUDES ONE 6' SLIDE GATE
- 38.00 LNR.FT. OF KICKPLATE

**MATERIAL FINISHES:**

- ALL COMPONENTS ARE GREY POWDER COAT EXCEPT FLOORING AND:
- HANDRAILS, KICKPLATE AND TREADS ARE GALVANIZED.
- GATES ARE SAFETY YELLOW.

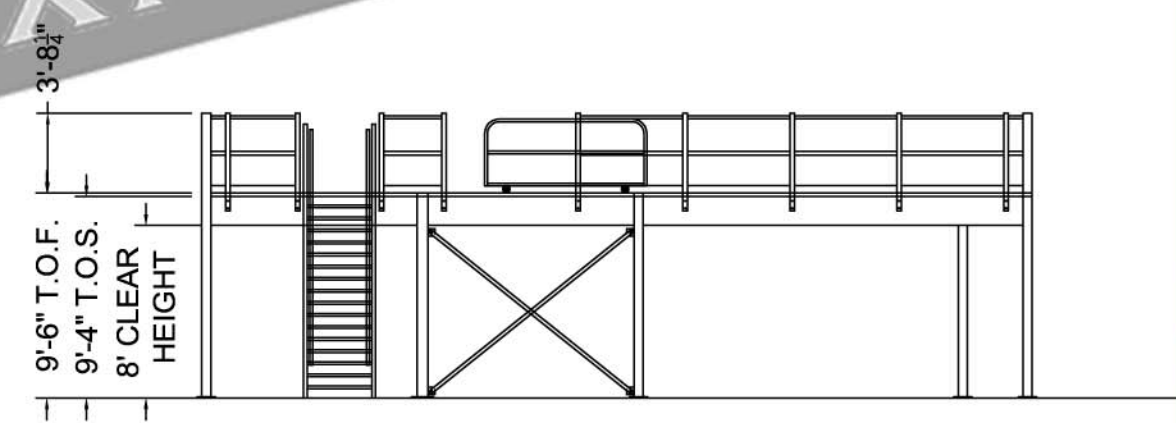
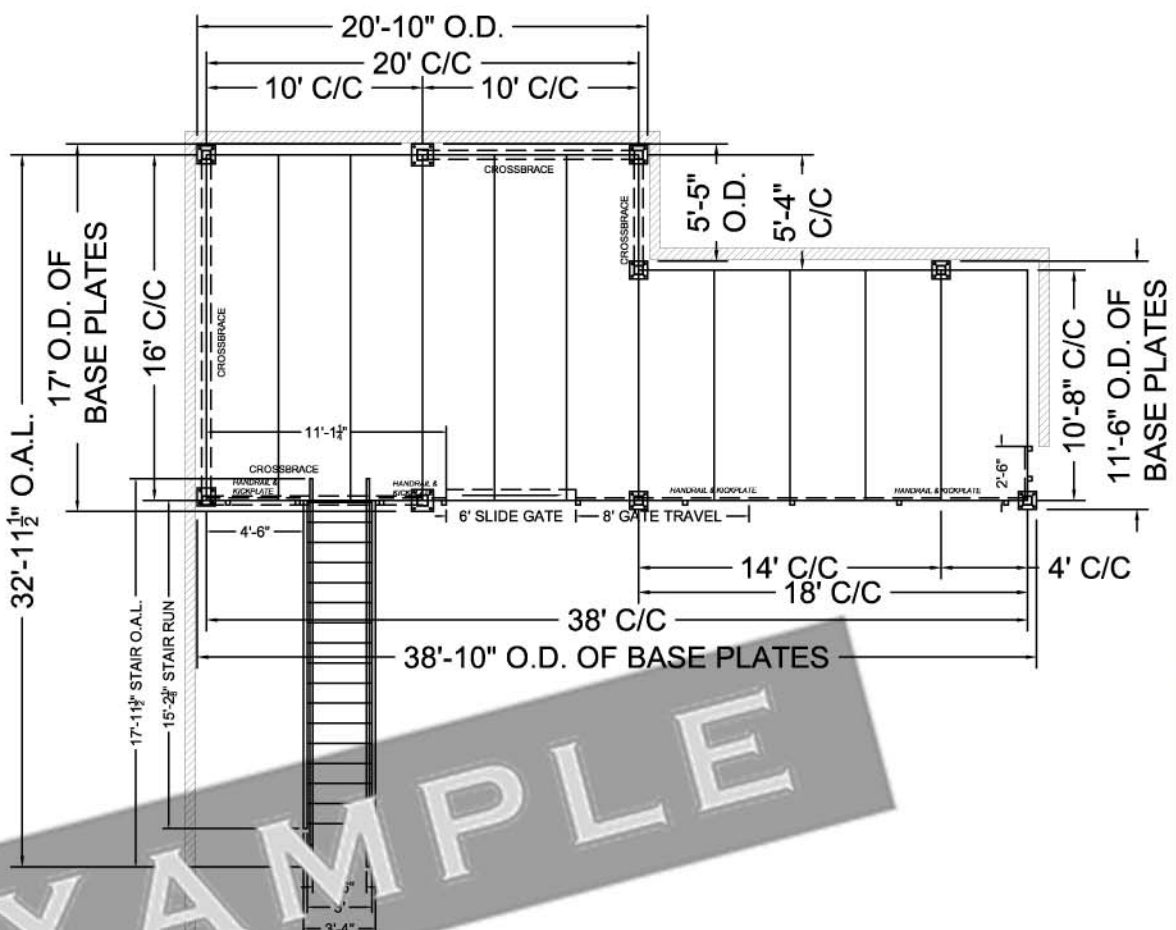
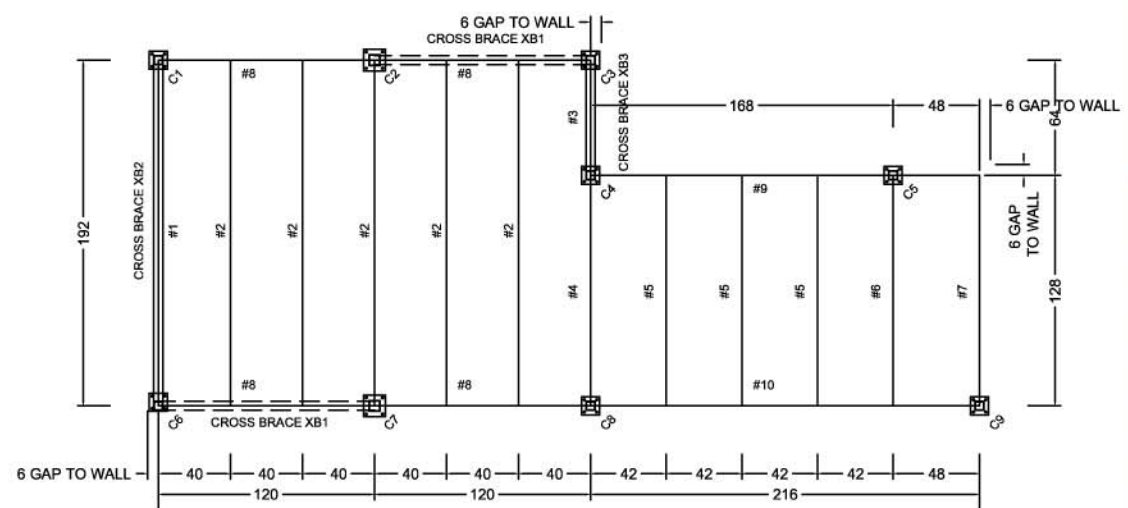
**IMPORTANT**

- STORAGE PLATFORMS ARE DESIGNED IN ACCORDANCE WITH THE AISC STANDARDS.
- ALL CONNECTIONS USE ASTM A325 BOLTS.

PSF: POUNDS PER SQUARE FOOT  
 UDL: UNIFORMLY DISTRIBUTED LOAD

Column Schedule		Unfactored axial load				Unfactored moment at base				Unfactored shear at base	
Column	Size [Fy=50ksi]	P <sub>UL</sub> [kips]	P <sub>DL</sub> [kips]	P <sub>EQ</sub> [kips]	P <sub>TOTAL</sub> [kips]	M <sub>LL</sub> [ft-k]	M <sub>DL</sub> [ft-k]	M <sub>EQ</sub> [ft-k]	M <sub>TOTAL</sub> [ft-k]	V <sub>TOTAL</sub> [kips]	
C1	HSS 5"x5"x3/16"	5.00	0.40	2.97	8.37	1.77	0.14	0.00	1.91	4.99	
C2	HSS 5"x5"x3/16"	10.00	0.80	2.46	13.26	1.18	0.09	0.00	1.28	2.59	
C3	HSS 5"x5"x3/16"	3.96	0.32	2.46	6.74	1.40	0.11	0.00	1.52	2.59	
C4	HSS 5"x5"x3/16"	7.19	0.58	0.33	8.10	2.10	0.17	0.00	2.27	0.18	
C5	HSS 5"x5"x1/8"	10.21	0.82	0.00	11.03	4.04	0.32	0.00	4.37	0.00	
C6	HSS 5"x5"x3/16"	5.00	0.40	2.97	8.37	1.77	0.14	0.00	1.91	4.99	
C7	HSS 5"x5"x3/16"	10.00	0.80	2.46	13.26	1.18	0.09	0.00	1.28	2.59	
C8	HSS 5"x5"x1/8"	10.44	0.84	0.00	11.28	1.50	0.12	0.00	1.62	0.00	
C9	HSS 5"x5"x1/8"	6.00	0.48	0.00	6.48	2.38	0.19	0.00	2.57	0.00	

Joist & Beam Schedule [Fy = 50ksi]			
Joist or Beam	Size	Maximum unfactored moment, M [ft-k]	Maximum unfactored shear, V [k]
#1	C12 x 7.4	7.20	1.80
#2	C12 x 7.4	14.40	3.60
#3	C8 x 5.4	0.80	0.60
#4	C8 x 5.4	6.56	2.46
#5	C8 x 5.4	6.72	2.52
#6	C8 x 5.4	7.20	2.70
#7	C8 x 5.4	3.84	1.44
#8	C12 x 7.4	13.50	5.40
#9	C14 x 9.3	14.90	8.33
#10	C16 x 10.3	29.16	6.48



EXAMPLE

<h1>MEZZANINE</h1>	
PROJECT NAME:	ABC COMPANY
CLIENT NAME:	XYZ COMPANY
SCALE:	1" = 1'
DRAWING # - REVISION #:	123456M-PE00
REVISION DATE:	27-Jul-12
DRAWN BY:	SHT 1
	XXXXX

**IMPORTANT NOTE**

The client and/or owner shall be responsible for all quantities and dimensions including the verification of, and coordination with field conditions. The client and/or owner shall verify all critical dimensions and conditions of existing construction that relate to this mezzanine project prior to manufacturing. Cogan must be notified in writing of any elements found to be inconsistent or not compatible with the details indicated by these approval drawings.

The client and/or owner must submit signed (approved) drawings prior to the start of the mezzanine production.

The client and/or owner shall be responsible for the building classification on all construction and warrant that all construction shall be governed by the latest edition of the state building code (including any revisions or addendas) and/or with any other applicable code or requirements of all authorities having jurisdiction.

Cogan reserves the right to adjust column sizes after approval stage to meet the required needs as final calculations will be executed before the project enters production.

For installation instruction assistance, please call Cogan: 1-800-567-2642

Verify all dimensions and details carefully. Check the appropriate box. Return a signed and dated copy to Cogan.

**NOTE:** Ship dates are set only after receipt of final approval.

By approving these drawings, the client and/or owner is accepting that these designs may be or are an alternative to the specifications and/or designs previously provided to Cogan.

- The dimensions, details and design shown are:
- APPROVED (No changes)
  - APPROVED WITH MINOR CHANGES
  - REVISE & RE-SUBMIT
  - NOT APPROVED

NAME: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

DATE: \_\_\_\_\_