

PE STAMPED PLANS WITH CALCULATIONS

COGAN MEZZANINE LICENSED PROFESSIONAL ENGINEER STAMPED STRUCTURAL PLANS (PE STAMPED PLANS) WITH CALCS PACKAGE INCLUDES (CONTACT COGAN FOR PRICING):

INCLUDED:

This package includes 6 copies of a complete set of drawings, stamped by a Licensed Professional Engineer, certifying the structural integrity of your new mezzanine as well as a stamped copy of the engineering calculations document.

6 copies of the following:

- Stamped structural plan and elevation drawings including design criteria data.
- Mezzanine classification details and compliance including mezzanine location based on information received by client.
- Dimensions of the overall mezzanine, column and beam locations, beam loads and column loads transferred to slab.
- Please note that 1 (one) stamped version is included with this package. Any revisions or modifications made after the approval stage might incur additional costs.
- Installation drawings and procedure supplied on delivery.

Please note that the client and/or end user is responsible for all quantities and dimensions including the verification of, and coordination with, field conditions. The client and/or end user is also responsible for the building classification on all construction and warrants that all construction will be governed by the latest edition of the state or provincial building code (including any revisions or addendums) and/or with any other applicable code or requirements of all authorities having jurisdiction. Cogan mezzanines are designed in compliance with the National Code and the American and Canadian Institute of Steel Construction (NBCC and CISC in Canada and IBC and AISC in the U.S.).

NOT INCLUDED:

- Licensed Engineer stamp on plans.
- Copy of the engineering calculations.

Design specifications and fastener specifications of the following:

- Bracing
- Column and base plate
- Beam to column connection
- Beam to beam connection
- Bridging
- Flooring
- Staircase
- Handrail

CAPACITY / DESIGN CRITERIA DATA

MAX. VERTICAL DEFLECTION (L)	300
STOREY HEIGHT (in.)	114
SEISMIC DATA:	
S ₁	1.000
S ₂	0.500
Site Class:	D
S _{ps}	0.733
S _{ot}	0.50
Occupancy Category:	

PROFESSIONAL ENGINEER STAMP

BEAM & COLUMN SCHEDULE INCLUDING BEAM LOADS AND COLUMN LOADS TRANSFERRED TO SLAB

TRADES: 17" X 17" COGAN TREAD PLATE (NOT FOR USE IN ENVIRONMENTS)	P _{1a}	P _{1b}	P _{1c}	P _{1total}	M _{1a}
(kips)	(kips)	(kips)	(kips)	(ft-k)	
0. BESE LIFT OF HANDRAIL (TWO RAIL) INCLUDES ONE RAIL	5.00	0.40	2.97	8.37	1.77
0. BESE LIFT OF ROOFLATE					
1. HANDRAIL (ROOFLATE AND TREADS ARE GALVANNEZED)	10.00	0.80	2.46	13.26	1.18
2. HANDRAIL (ROOFLATE AND TREADS ARE GALVANNEZED)	3.96	0.32	2.46	6.74	1.40
3. HANDRAIL (ROOFLATE AND TREADS ARE GALVANNEZED)	7.19	0.58	0.33	8.30	2.10
4. HANDRAIL (ROOFLATE AND TREADS ARE GALVANNEZED)	10.21	0.82	0.00	11.03	4.04
5. HANDRAIL (ROOFLATE AND TREADS ARE GALVANNEZED)	5.00	0.40	2.97	8.37	1.77
6. HANDRAIL (ROOFLATE AND TREADS ARE GALVANNEZED)	10.00	0.80	2.46	13.26	1.18
7. HANDRAIL (ROOFLATE AND TREADS ARE GALVANNEZED)	10.44	0.84	0.00	11.28	
8. HANDRAIL (ROOFLATE AND TREADS ARE GALVANNEZED)	0.48	0.00	6.40		

PLAN AND ELEVATION VIEW WITH COLUMN AND BEAMS LOCATIONS

EXAMPLE