



## NON-PERMIT SERVICES

### Description

Non-Permit Engineering Services consist of basic Engineering documents used for structure verification and installation purposes only.

While still very important, these documents are normally not sufficient if you are applying for a permit from the city.

For documents supporting permit applications, please refer to our Permit Services section.




## APPROVAL PLANS (WITH PE STAMP AND CALCULATIONS)

**CAPACITY / DESIGN CRITERIA DATA**

MAX. VERTICAL DEFLECTION: L/	300
STOREY HEIGHT (in):	114
<b>SEISMIC DATA:</b>	
S <sub>1</sub> :	1.000
S <sub>2</sub> :	0.500
Site Class:	D
S <sub>DS</sub> :	0.733
S <sub>D1</sub> :	0.500
Occupancy Category:	

**PROFESSIONAL ENGINEER STAMP**



**MEZZANINE**

ABC COMPANY  
XYZ COMPANY  
1" = 1'  
27-Jul-12  
SHT 1

**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 start of the mezzanine production.

The client and/or owner shall be responsible for the building. When all construction and warrant that all construction shall be in accordance with the latest edition of the state building code (including or addenda) and/or with any other applicable code or codes of all authorities having jurisdiction.

In the right to adjust column sizes after approval stage to meet needs as final calculations will be executed before production.

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

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:

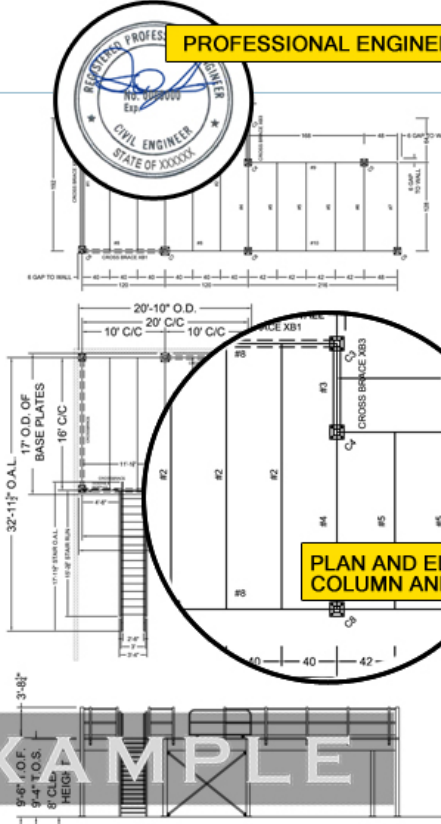
- APPROVED (No changes)
- APPROVED WITH MINOR CHANGES
- REVISE & RE-SUBMIT
- NOT APPROVED

NAME: \_\_\_\_\_  
SIGNATURE: \_\_\_\_\_  
DATE: \_\_\_\_\_

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

	P <sub>u</sub>	P <sub>u</sub>	P <sub>u</sub>	P <sub>u</sub>	M <sub>u</sub>
	[kips]	[kips]	[kips]	[kips]	[ft-k]
17' O.D. OF BASE PLATES	5.00	0.80	2.97	8.37	1.77
10' C/C	10.00	0.80	2.46	13.26	1.18
16' C/C	3.96	0.32	2.46	6.74	1.40
17' O.D. OF O.A.L.	7.19	0.58	0.33	8.10	2.10
10' C/C	10.21	0.82	0.00	11.03	4.04
16' C/C	5.00	0.80	2.97	8.37	1.77
10' C/C	10.00	0.80	2.46	13.26	1.18
10' C/C	10.44	0.84	0.00	11.28	
10' C/C	0.48	0.00	6.48		

**PLAN AND ELEVATION VIEW WITH COLUMN AND BEAMS LOCATIONS**



EXAMPLE



**Cogan**  
Since 1901



**Mezzanines**  
Increase Floor Space  
cogan.com

**ENGINEERING SERVICES**

## APPROVAL PLANS (WITH PE STAMP AND CALCULATIONS)

### APPROVAL PLANS (WITH PE STAMP AND CALCULATIONS)

COGAN MEZZANINE LICENSED PROFESSIONAL ENGINEER STAMPED STRUCTURAL PLANS (PE STAMPED PLANS) WITH CALCULATIONS (**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.
- 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 purchaser and/or end user is responsible for all quantities and dimensions including the verification of, and coordination with, field conditions. The purchaser 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:

- Design specifications and fastener specifications of the following:
  - Bracing
  - Column and baseplate
  - Beam to column connection
  - Beam to beam connection
  - Bridging
  - Flooring
  - Staircase
  - Handrail
  - Footing design and anchor design