



PACKAGE #3

Description

Depending on the complexity of your project and requirements, Cogan recommends that most clients and/or end users work in association with an architect for additional support. This is to ensure that any critical aspects such as building classification and occupancy, electricity, plumbing, fire codes, exit signage etc. will be properly analyzed and addressed. Please keep in mind that Cogan is not responsible for certifying or analyzing the concrete slab capacity and integrity where the mezzanine columns are to be installed.



PE STAMPED PLANS WITH CALCULATIONS

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 _{DS} :	0.733
S _{D1} :	0.500
Occupancy Category:	

PROFESSIONAL ENGINEER STAMP

MEZZANINE

ABC COMPANY
XYZ COMPANY
123456M-PE00
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 any addendums) and/or with any other applicable code or codes of all authorities having jurisdiction.

If you are in need of design assistance, please call Cogan: 800-567-2642

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

TRACED 1/2" O.D. COILS (NOT FOR USE IN ENVIRONMENT)	P _u [kips]	P _u [kips]	P _u [kips]	P _u [kips]	M _u [ft-k]
0 30 IN. L x 1/4 IN. TYP. (30 IN. L x 1/4 IN. TYP.)	5.00	0.80	2.97	8.37	1.77
0 30 IN. L x 1/4 IN. TYP. (30 IN. L x 1/4 IN. TYP.)	10.00	0.80	2.46	13.26	1.18
0 30 IN. L x 1/4 IN. TYP. (30 IN. L x 1/4 IN. TYP.)	3.96	0.32	2.46	6.74	1.40
0 30 IN. L x 1/4 IN. TYP. (30 IN. L x 1/4 IN. TYP.)	7.19	0.58	0.33	8.10	2.10
0 30 IN. L x 1/4 IN. TYP. (30 IN. L x 1/4 IN. TYP.)	10.21	0.82	0.00	11.03	4.04
0 30 IN. L x 1/4 IN. TYP. (30 IN. L x 1/4 IN. TYP.)	5.00	0.80	2.97	8.37	1.77
0 30 IN. L x 1/4 IN. TYP. (30 IN. L x 1/4 IN. TYP.)	10.00	0.80	2.46	13.26	1.18
0 30 IN. L x 1/4 IN. TYP. (30 IN. L x 1/4 IN. TYP.)	10.44	0.84	0.00	11.28	1.18
0 30 IN. L x 1/4 IN. TYP. (30 IN. L x 1/4 IN. TYP.)	0.48	0.00	6.48		

PLAN AND ELEVATION VIEW WITH COLUMN AND BEAMS LOCATIONS

EXAMPLE



Cogan[®]

A Tradition of Quality Since 1901



Mezzanines

Increase Floor Space

cogan.com

ENGINEERING

PE STAMPED PLANS WITH CALCULATIONS

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