

MEZZANINES

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SPECIFICATIONS

INSTALLATION TIPS

GENERAL STRUCTURE

HANDRAIL

STAIRCASES

GATES

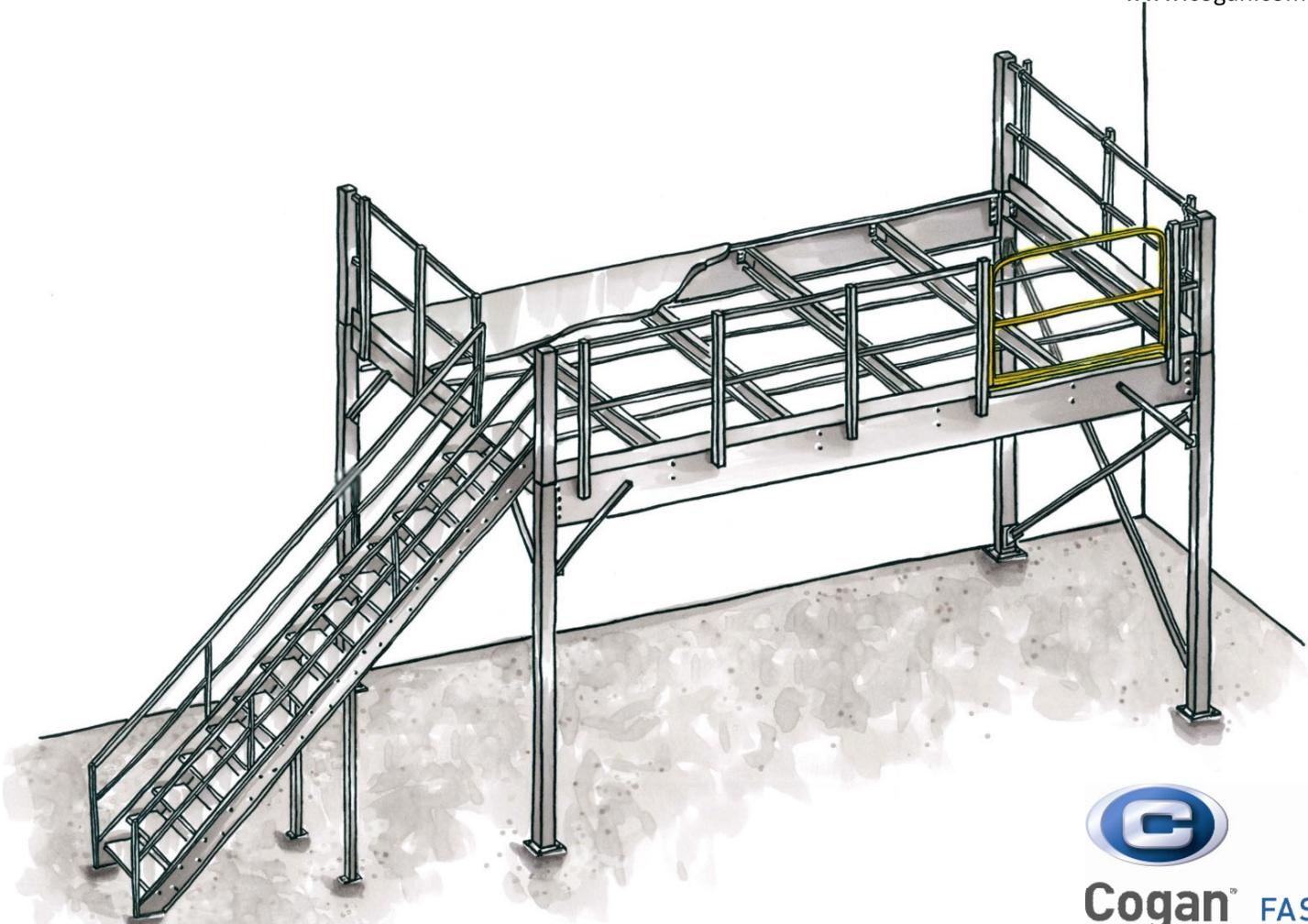
FLOORING

NOTES

INSTALLATION TIPS

- TOOLS AND PREPERATION BEFORE INSTALLING

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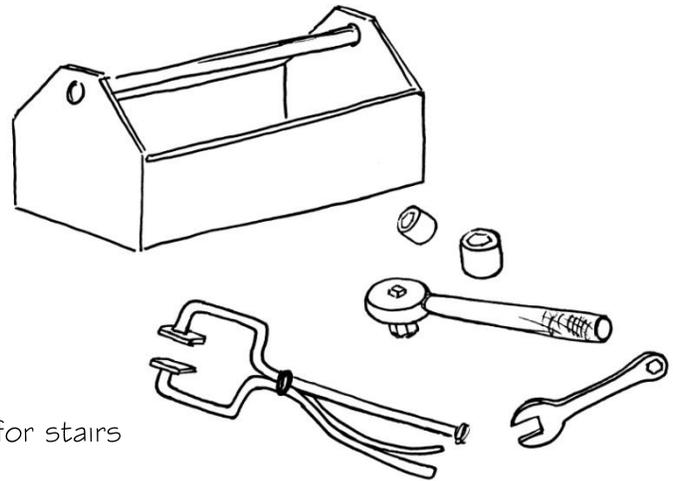


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BETTER.**[™]

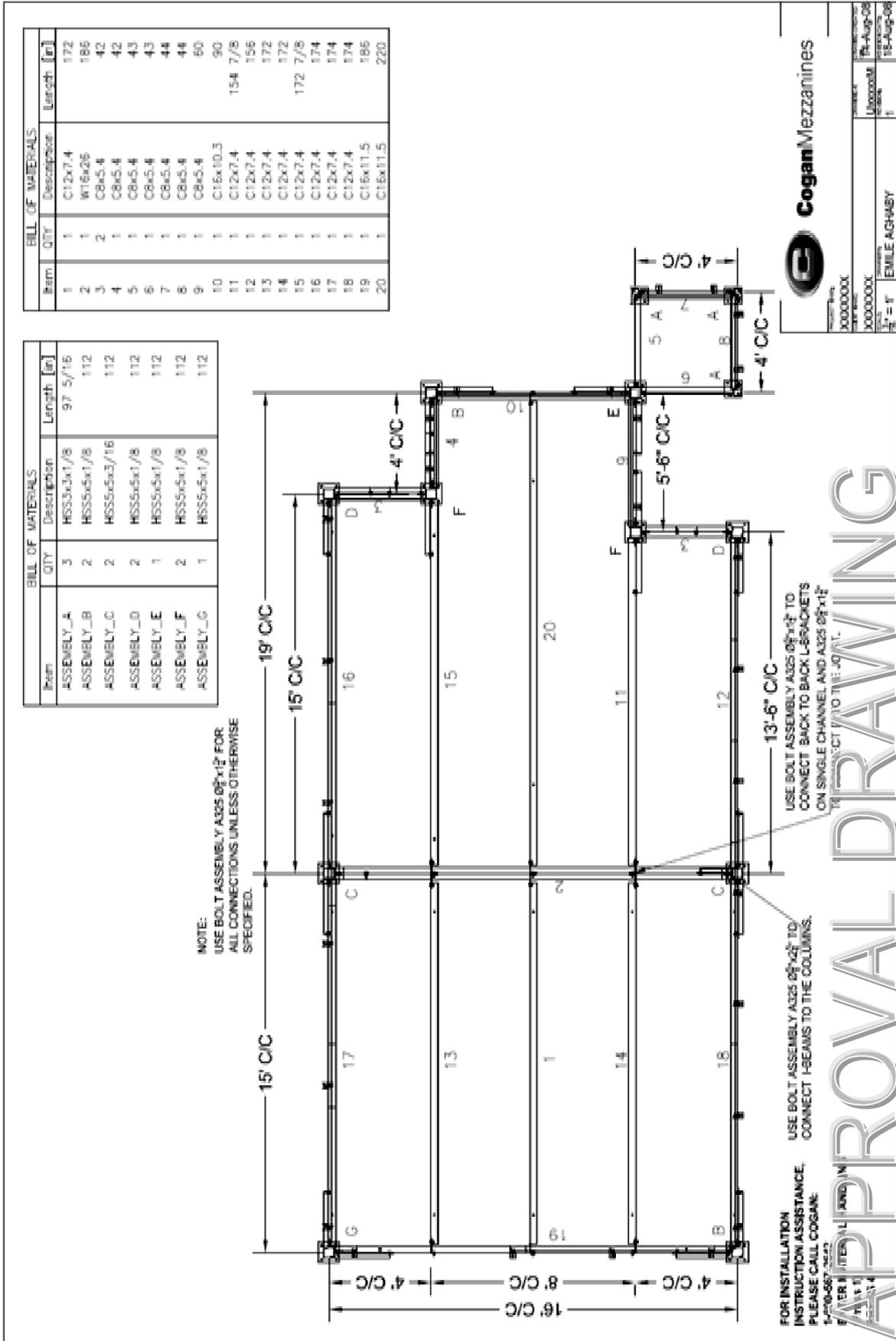
GENERAL INSTALLATION DETAILS

TOOLS REQUIRED FOR INSTALLATION

- Measuring tape
- Chalk line
- 4 FT Level (preferably magnetic)
- Hammer drill with 5/8" and 3/8" drill bit for stairs
- 1 1/16" Spinner wrench or 3/4" taper pin
- 1 5/16" Wrench or sockets (anchor bolts)
- 1/2" Wrench and sockets (open steel planking)
- 1 1/16" Wrench and sockets (structure)
- 9/16" Wrench and sockets (stairs)
- Small grinder or reciprocating saw (cut out in steel deck...)
- Grating hook (bar grating)
- Electric sheet metal shears
- Circular saw (wood overlay)
- 3/8" Reversible drill and 3/8" hex head bit
- #2 Robertson bit (flooring and gates)
- 1/2" Hi-impact wrench
- 1/4" Rivet gun (diamond plate flooring)
- Miscellaneous extensions
- Locking clamps
- Hammers and sledgehammers
- Non-shrink grout (when leveling columns)
- Ladders and scaffolding
- Forklift truck



SAMPLE INSTALLATION DRAWING I



Item	QTY	Description	Length [in]
1	1	C12x7.4	172
2	1	W16x26	186
3	2	C8x5.4	42
4	1	C8x5.4	42
5	1	C8x5.4	43
6	1	C8x5.4	43
7	1	C8x5.4	44
8	1	C8x5.4	44
9	1	C8x5.4	60
10	1	C16x10.3	90
11	1	C12x7.4	154 7/8
12	1	C12x7.4	156
13	1	C12x7.4	172
14	1	C12x7.4	172
15	1	C12x7.4	172 7/8
16	1	C12x7.4	174
17	1	C12x7.4	174
18	1	C12x7.4	174
19	1	C16x11.5	186
20	1	C16x11.5	220

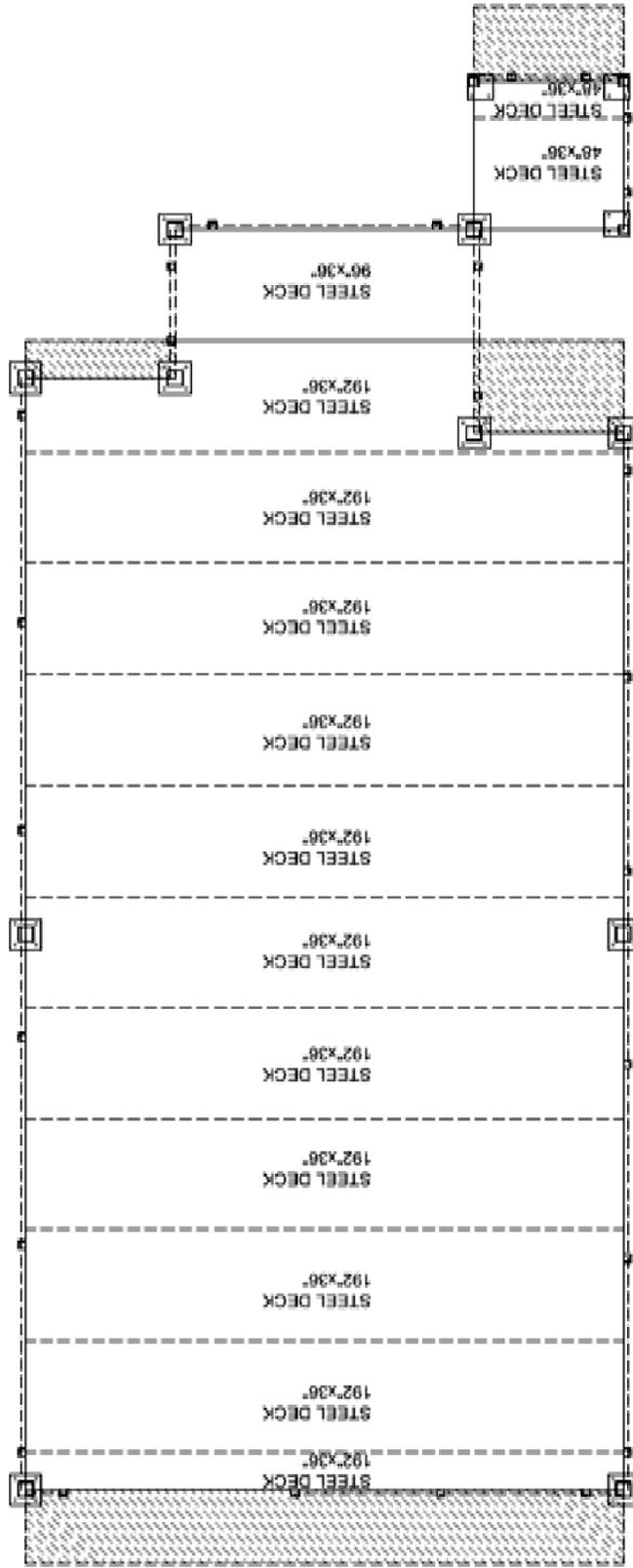
Item	QTY	Description	Length [in]
ASSEMBLY_A	3	HSS3x3x1/8	97 5/16
ASSEMBLY_B	2	HSS5x5x1/8	112
ASSEMBLY_C	2	HSS5x5x3/16	112
ASSEMBLY_D	2	HSS5x5x1/8	112
ASSEMBLY_E	1	HSS5x5x1/8	112
ASSEMBLY_F	2	HSS5x5x1/8	112
ASSEMBLY_G	1	HSS5x5x1/8	112

Cogan Mezzanines

XXXXXXX
 XXXXXX
 XXXXXX
 XXXXXX

PROJECT: 15-Aug-08
 DRAWING: 15-Aug-08
 SHEET: 1
 DESIGNED BY: EMILE ACHARY

SAMPLE INSTALLATION DRAWING 3



FOR INSTALLATION
INSTRUCTION ASSISTANCE,
PLEASE CALL COGAN

Cogan Mezzanines

Model No.	10000000X	Material	ULTRACOR
Part No.	10000000X	Order No.	18-AUG-08
Rev.	1	Drawn By	EMILE AGHASY
Scale	1" = 1'	Check By	18-AUG-08

APPROVAL DRAWING

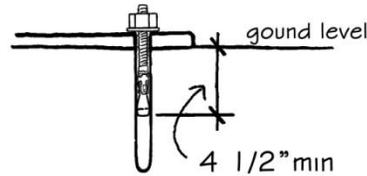
FINAL SPECIFICATIONS

Installation plan is based on specifications, dimensions, and approval of dealer and/or client. Review drawings carefully before installation.

ANCHOR BOLTS

Anchor bolts are not supplied by Cogan and are the responsibility of the installer and/or dealer. Strength of the concrete foundation must be determined before anchor selection can be made. It is the responsibility of the client, installer and/or end user to correctly size the anchor bolt for that specific mezzanine. The approval drawings show the maximum loads caused by a column and a list of forces and moments can be obtained from Cogan upon request. All base plates are fabricated with $\phi 3/4$ " holes (typically 4 anchor holes per base plate).

As a minimum, Cogan recommends using $\phi 5/8$ " x 6" wedge-type anchor bolts with a 4 1/2" embedment.

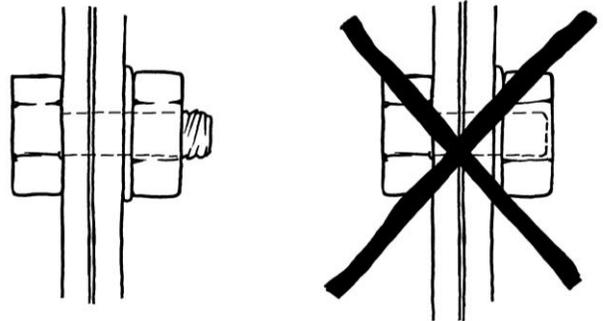


BOLT TIGHTENING

Bolts must be installed in properly aligned holes. Initially, they need only be tightened to the snug tight condition. The snug tight condition is defined as the tightness that exists when all plies in a joint are in firm contact. This may be obtained by the full effort of a man using an ordinary spud wrench.

To ensure that the correct length of bolt has been used, verify that the entire thread of the nut is engaged with the bolt. If bolt does not exceed past the face of the nut, recheck installation details for type of hardware required.

Subsequently, the bolts should be tightened, but not exceed, an additional 1/3 turn past the snug tight condition. This ensures correct bolt tensioning.





Cogan will not guarantee any products modified without the consent from a product engineer employed by Cogan.

READY, SET, INSTALL !



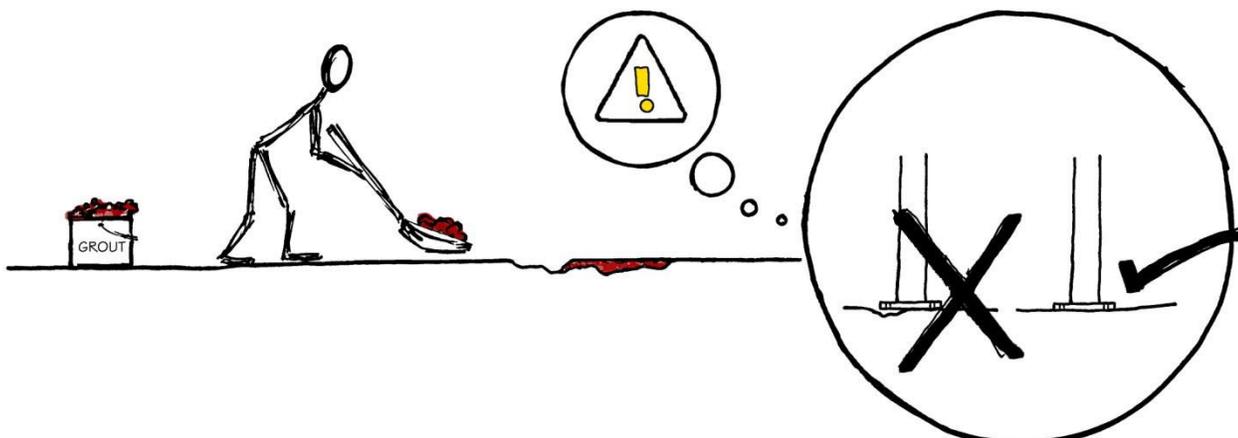
Make sure the installation site is cleaned of all debris to ensure an adequate access for the installer. The client or owner shall advise the installation company of any embedded floor obstacles that may interfere with the floor anchors.



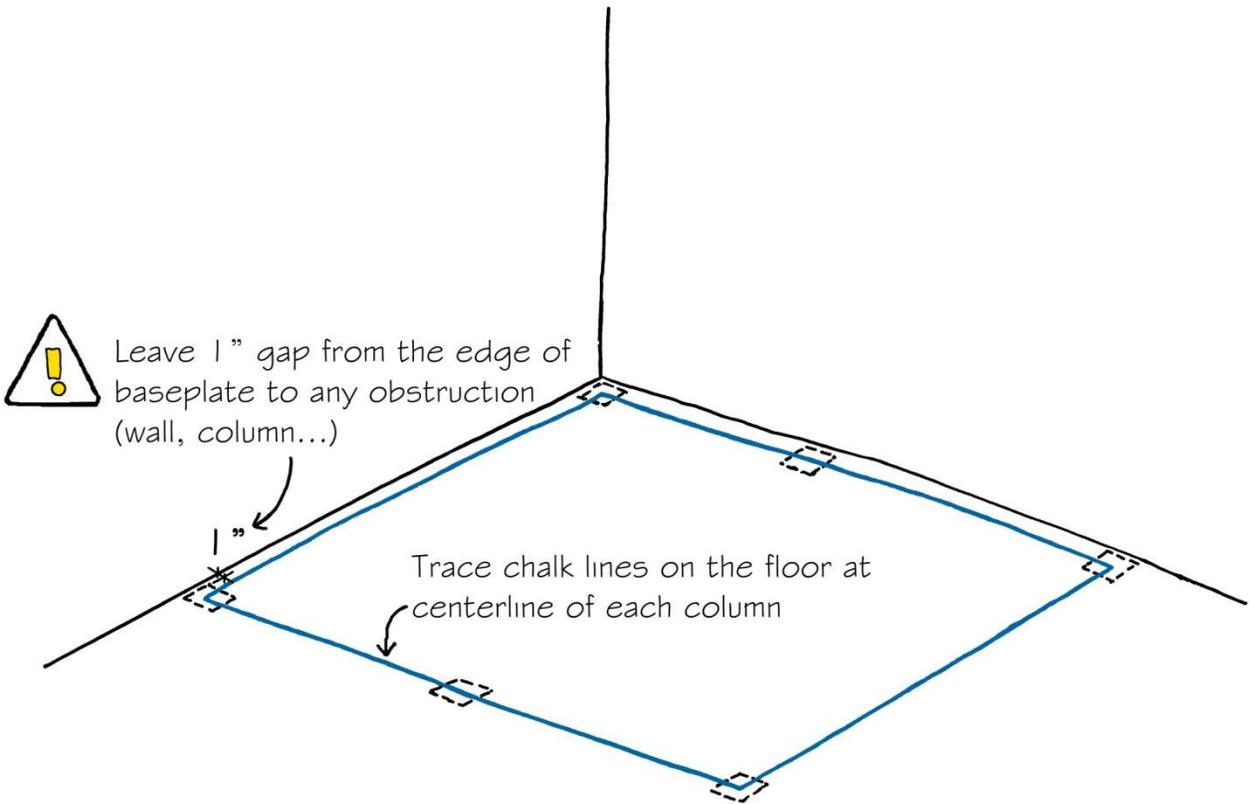
Carefully inspect all the installation site. The mezzanine contractor's technician shall inspect the job site prior to the preparation of approval drawings.



The area where the mezzanine is installed shall have a concrete slab, troweled smooth and level. **The entire surface of a baseplate shall be in contact with the slab** to ensure an even transfer of column loads and minimize sway. The concrete where mezzanine column placement occurs shall be capable to withstand the loads specified by the mezzanine manufacturer. **When a mezzanine is used as an office space, it is mandatory to grout under each column baseplate.**



Review carefully all your installation drawings. Erection of the mezzanine and accessories shall be in accordance with the specification and instructions contained in this manual and installation drawings. Any Cogan product requiring modification during installation (on site) should be approved by a Cogan product engineer.



ONCE YOU HAVE DRAWN YOUR MEZZANINE PERIMETER, YOU MAY START INSTALLING