

DESIGN:

1. DESIGN LIVE LOADS

- A. FLOOR LOADS
1.1. FLOOR LIVE LOAD = 40 PSF
2. DESIGN DEAD LOADS = 100 PSF (ASSUMED)

I. FOOTING DESIGNS ARE BASED ON AN ASSUMED NET SOIL BEARING PRESSURE OF 1,500 PSF. CONTRACTOR IS RESPONSIBLE FOR ASSURING THAT A MINIMUM 1,500 PSF SOIL BEARING PRESSURE IS OBTAINED PRIOR TO PLACEMENT OF THE FOUNDATION.

2. ALL BEARING MATERIAL SHALL BE INSPECTED BY THE INDEPENDENT TESTING AGENCY PRIOR TO CONCRETE PLACEMENT. THE INDEPENDENT TESTING AGENCY SHALL BE THE SOLE JUDGE AS TO THE SUITABILITY OF THE BEARING MATERIAL. FOOTING ELEVATIONS SHALL BE ADJUSTED AS REQUIRED.

1. CONCRETE SHALL CONFORM TO ACI BUILDING CODE (318R-08) AND SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH AND DENSITY, IN ACCORDANCE WITH THE FOLLOWING:

	STRENGTH	DENSITY	MAX W/C
	PSI	PCF	RATIO
ALL CONCRETE	4000	145	0.45

2. REINFORCING SHALL CONFORM TO ASTM A615, GRADE 60, UNLESS NOTED OTHERWISE.

3. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.

4. MINIMUM CONCRETE COVER, UNLESS NOTED OTHERWISE:

UNFORMED SURFACE IN CONTACT WITH THE GROUND. 3 IN.

FORMED SURFACES EXPOSED TO EARTH OR WEATHER.

#6 BARS AND LARGER	2 IN.
#5 BARS AND SMALLER	1-1/2 IN.

FORMED SURFACES NOT EXPOSED TO EARTH OR WEATHER:

SLABS, WALLS, AND JOISTS	
#11 BARS AND SMALLER	3/4 IN.
#14 AND #18 BARS	1-1/2 IN.

5. LAP SPLICES SHALL BE IN ACCORDANCE WITH THE FOLLOWING TABLE, UNLESS NOTED OTHERWISE. WHERE CLASSES ARE NOT CALLED OUT ON DRAWINGS, USE CLASS "B" SPLICES. SPLICES SHALL BE STAGGERED AT LEAST 24 INCHES.

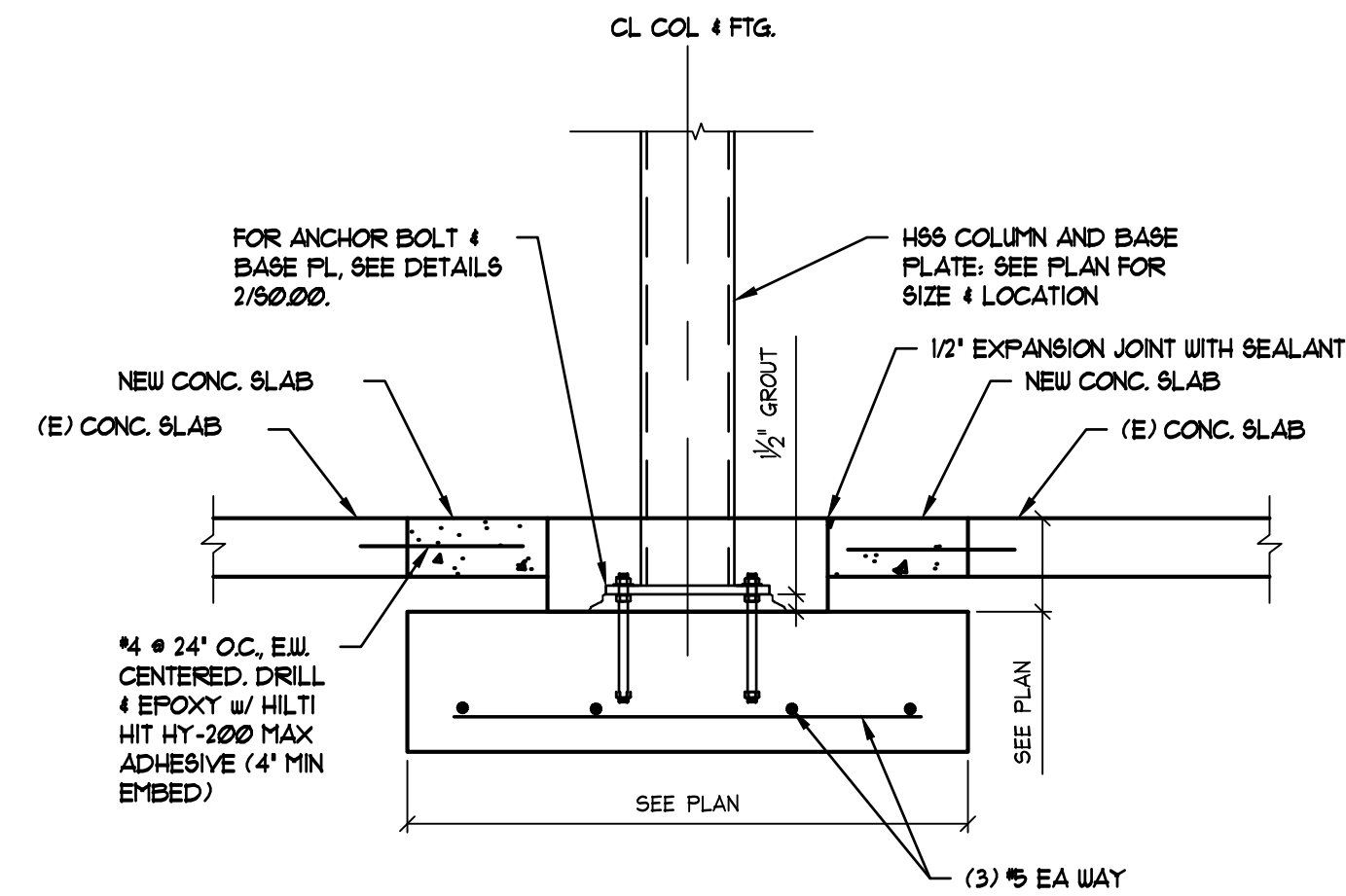
1. STEEL SHALL CONFORM TO THE FOLLOWING GRADES:

ALL CHANNELS, ANGLES, PLATES, ETC. (UNO)	A36 (Fy=36)	
ALL WF	A992 (Fy=50)	U.N.
STRUCTURAL TUBE	A500 (Fy=46)	
STEEL PIPE	A53 (Fy=35)	
ANCHOR BOLTS	A307	
BOLTS	A325	
WELDING ELECTRODES	E70XX	
THREADED ROD ANCHORS	A36	
SHEAR STUDS	A108	

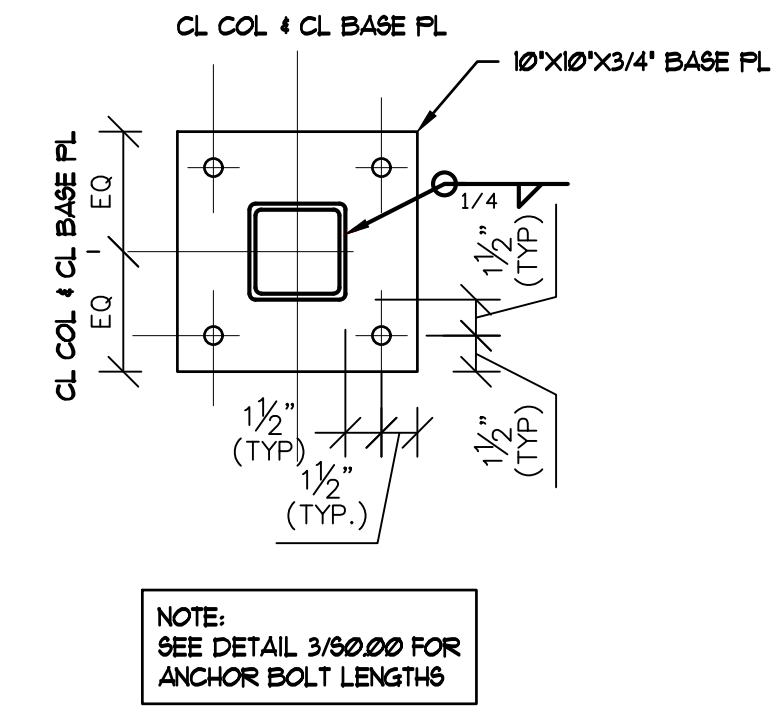
2. ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC CODE OF STANDARD PRACTICE, EXCEPT AS MODIFIED IN THESE NOTES AND THE PROJECT SPECIFICATIONS.

3. THE STEEL STRUCTURE IS Laterally Unstable and is dependent upon Diaphragm Action of the Floor Deck and Attachment to the Wall System for Stability and for Resistance to Wind and Seismic Forces. Provide all temporary supports required for stability and for resistance to wind and seismic forces until these elements are fully secured to each other and capable of providing this support.

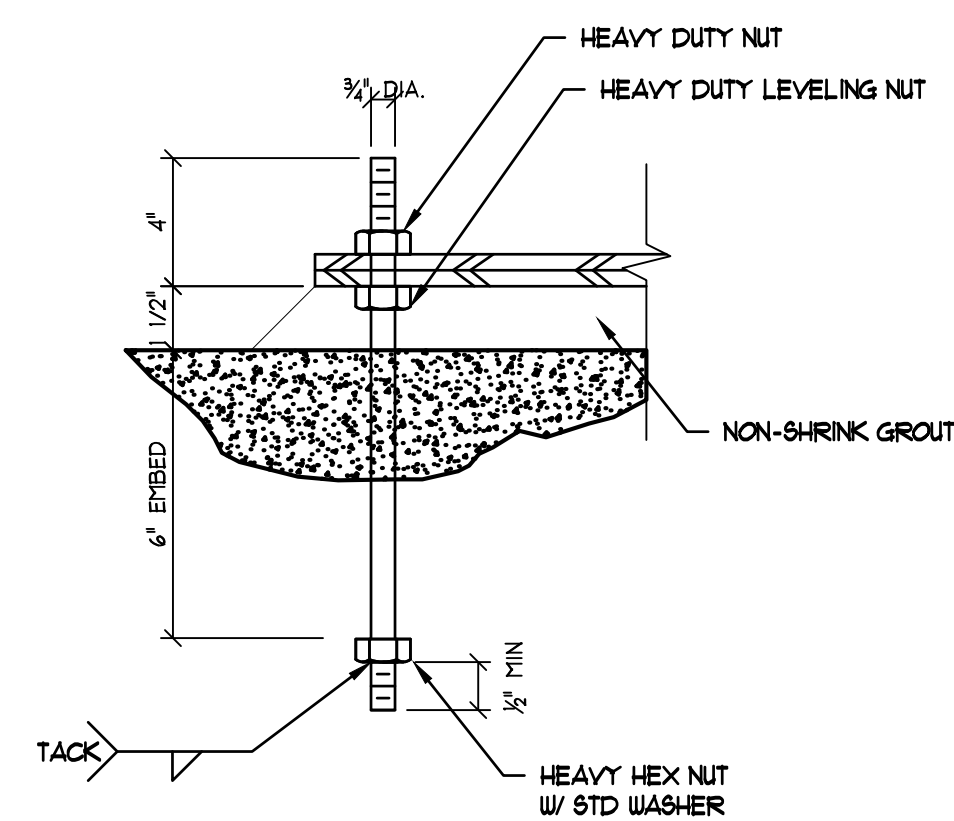
4. THE FABRICATOR IS RESPONSIBLE FOR THE DESIGN OF ALL CONNECTIONS. CONNECTIONS SHOWN ON THE STRUCTURAL DRAWINGS ARE SCHEMATIC AND ARE ONLY INTENDED TO SHOW THE RELATIONSHIP OF MEMBERS CONNECTED. CONNECTION DETAILS INDICATED ON THE DRAWINGS SHALL BE INCORPORATED INTO FABRICATOR'S CONNECTION DESIGN. SEE SPECIFICATIONS. ALL SHOP DRAWINGS SHALL BE SIGNED AND SEALED BY THE FABRICATOR'S ENGINEER WITH THE ENGINEER'S SEAL FOR THE STATE WHERE THE STRUCTURE IS LOCATED. ENGINEER'S SEAL MAY BE QUALIFIED "FOR DESIGN OF CONNECTIONS ONLY."



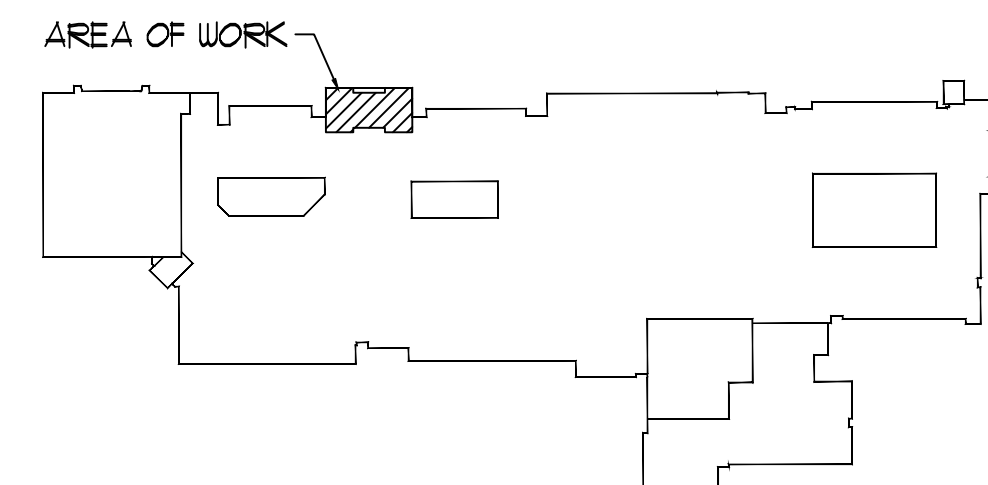
1 FOUNDATION SECTION
3/4"=1'-0"




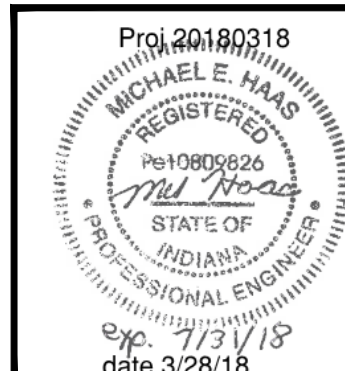
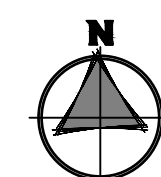
2 TYP BASE PLATE DETAIL
NTS



3 TYP ANCHOR BOLT DETAIL



KEY PLAN
NOT TO SCALE



TRIA
ARCHITECTURE

MEP, F.P. CONSULTANT:

OAS, LLC
O'HIGGINS AND ARNOLD SUSTAINABILITY, LLC

STRUCTURAL ENGINEER:
(P) 847.788.9200

GreenbergFarrow
769 HIGHLAND DR., UNIT A SUGAR GROVE, ILLINOIS

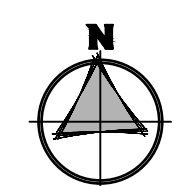
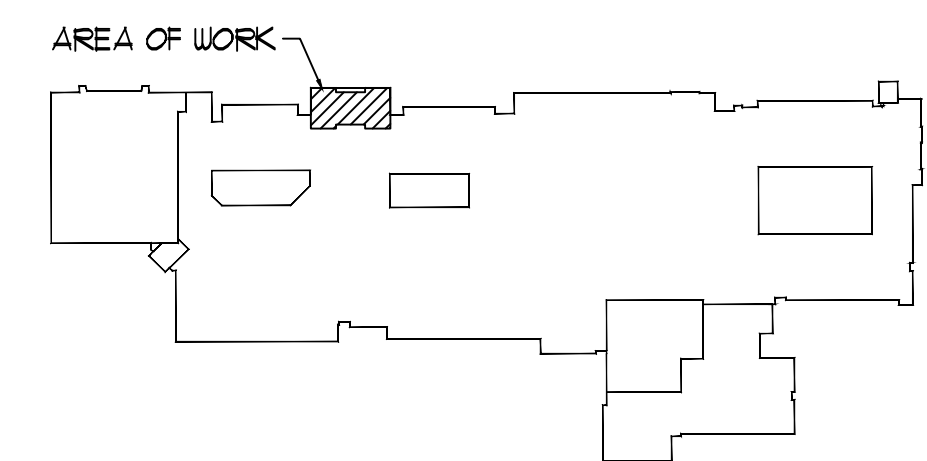
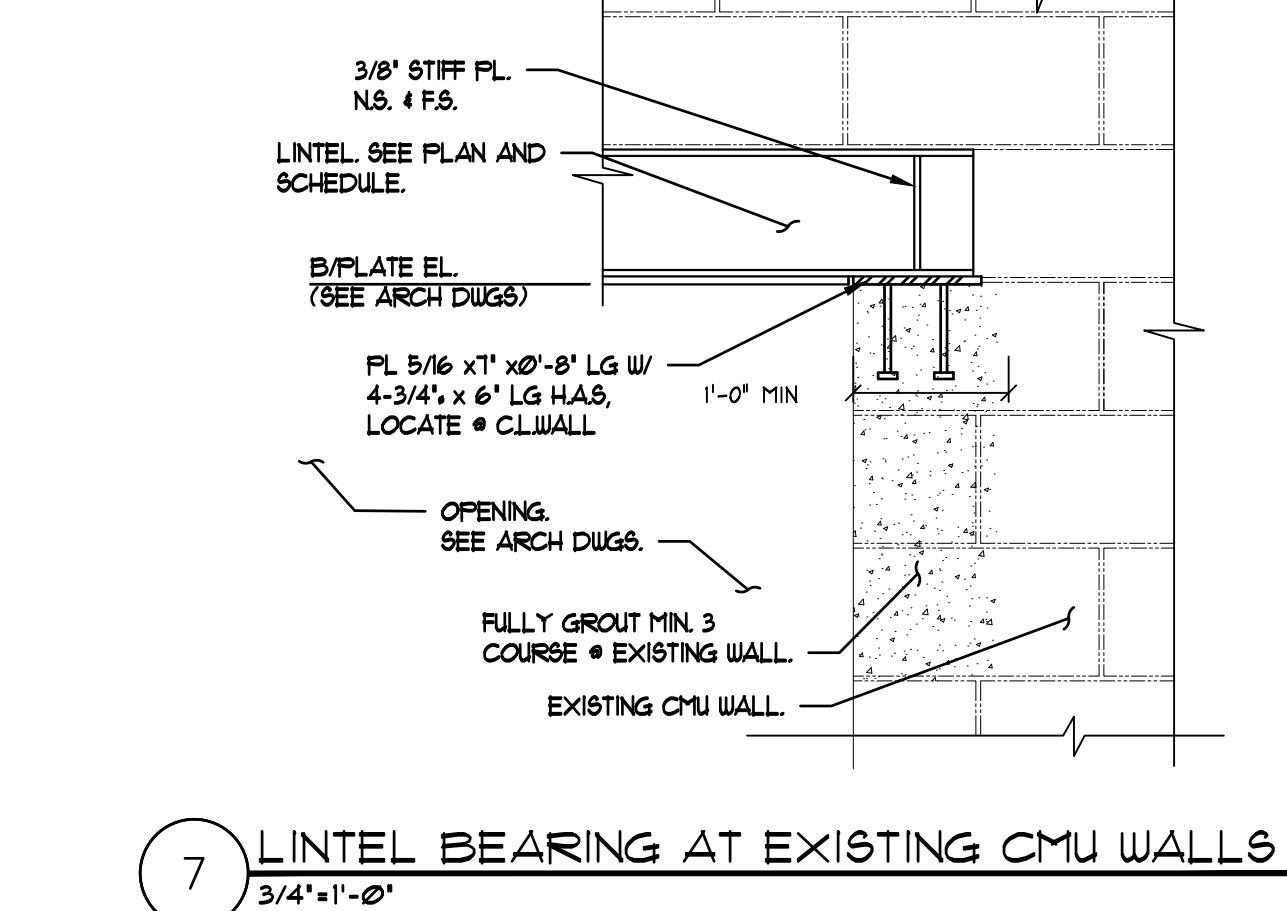
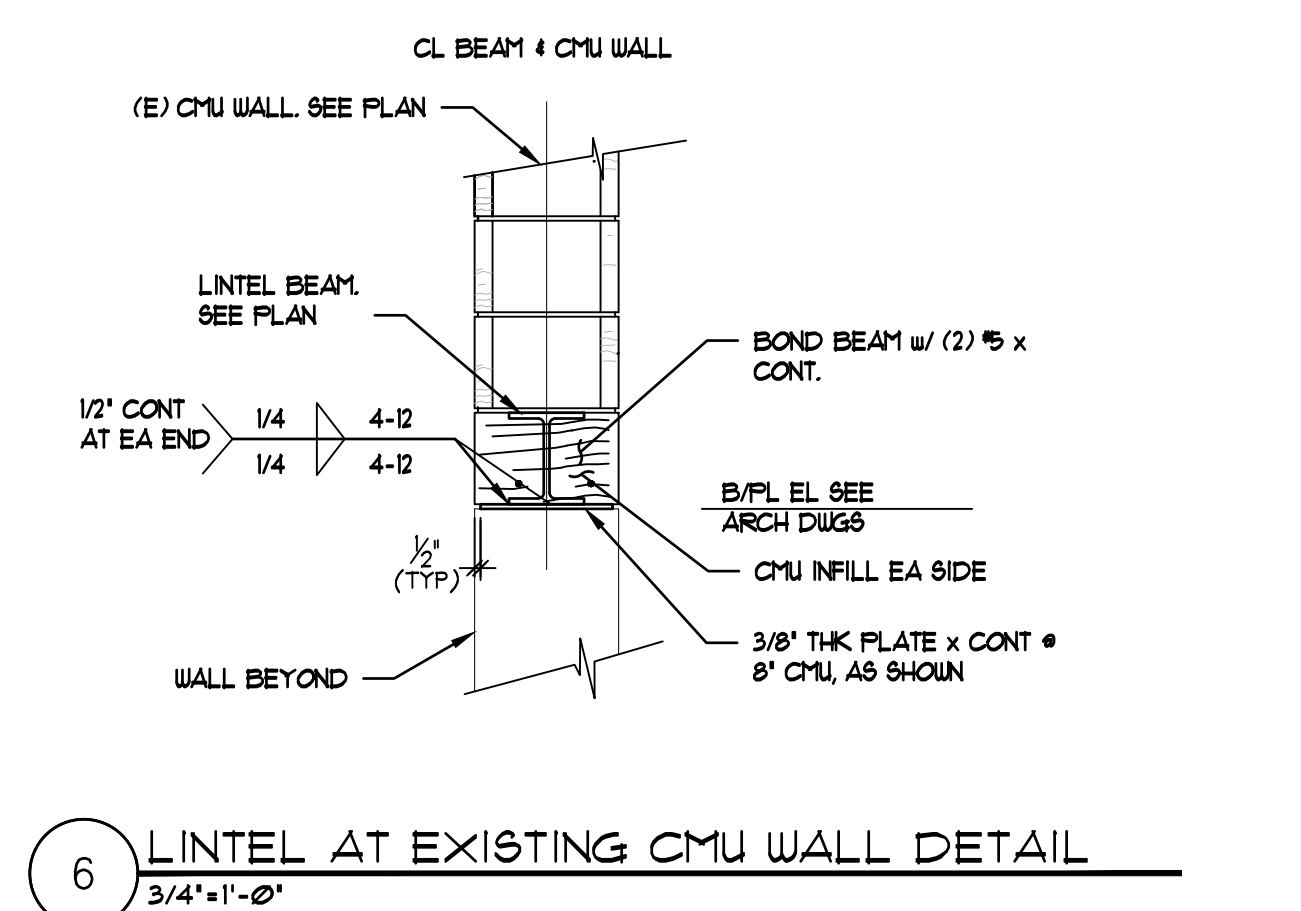
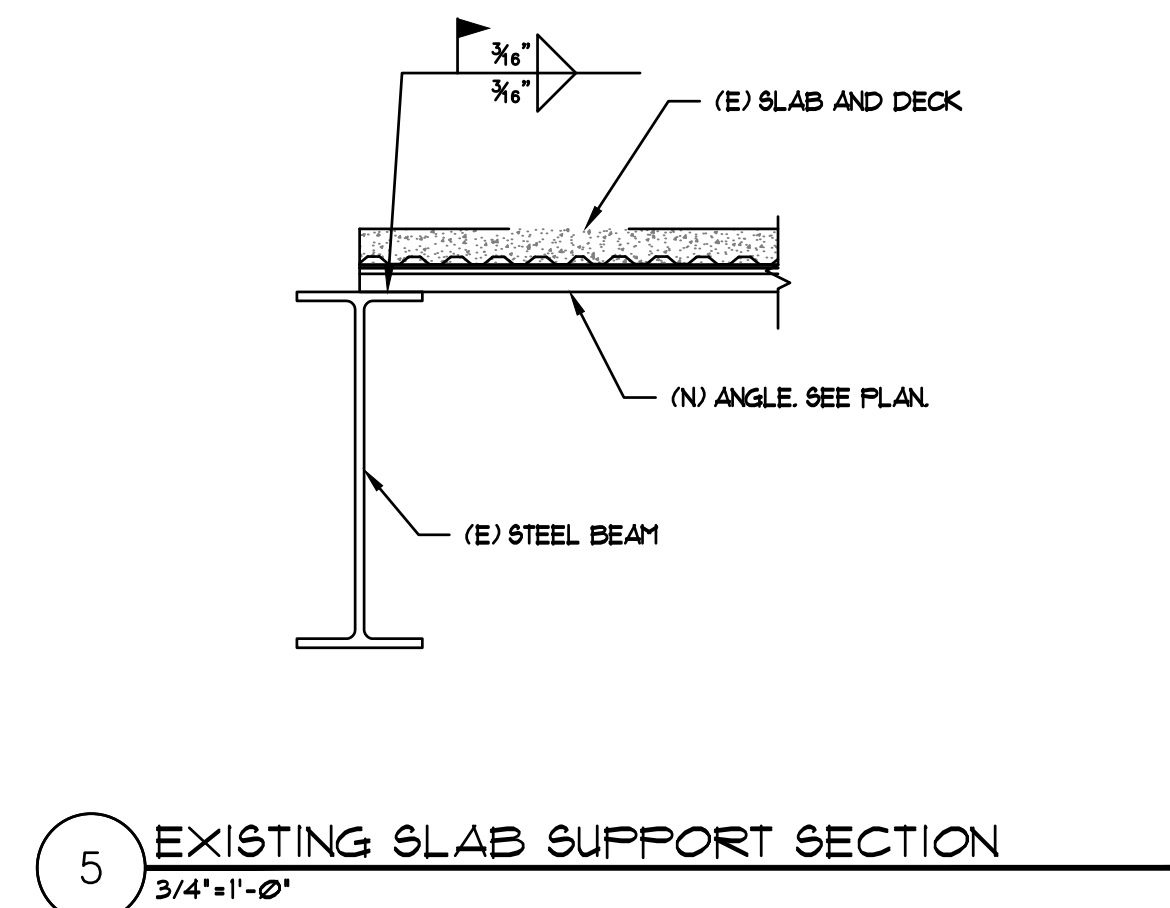
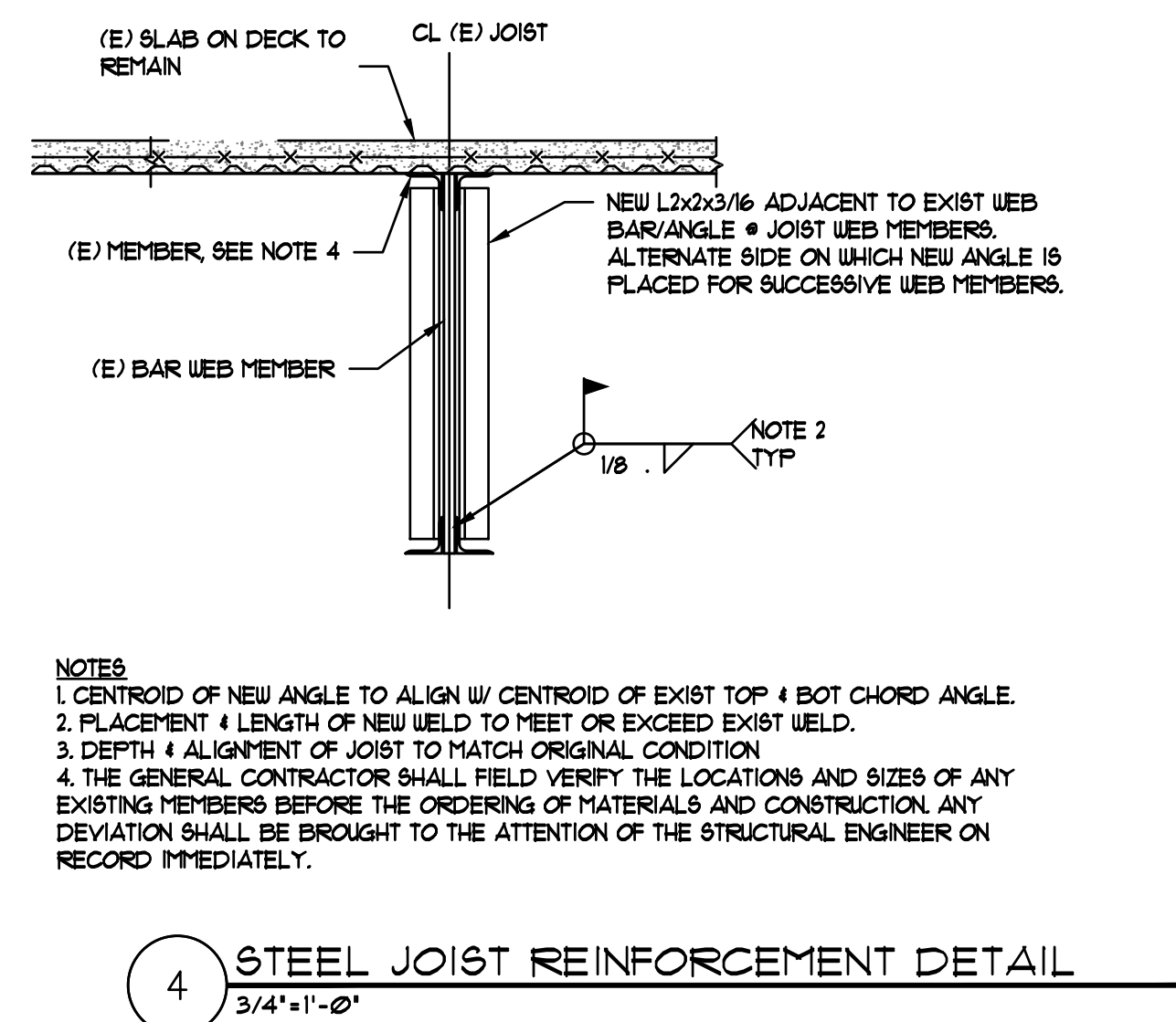
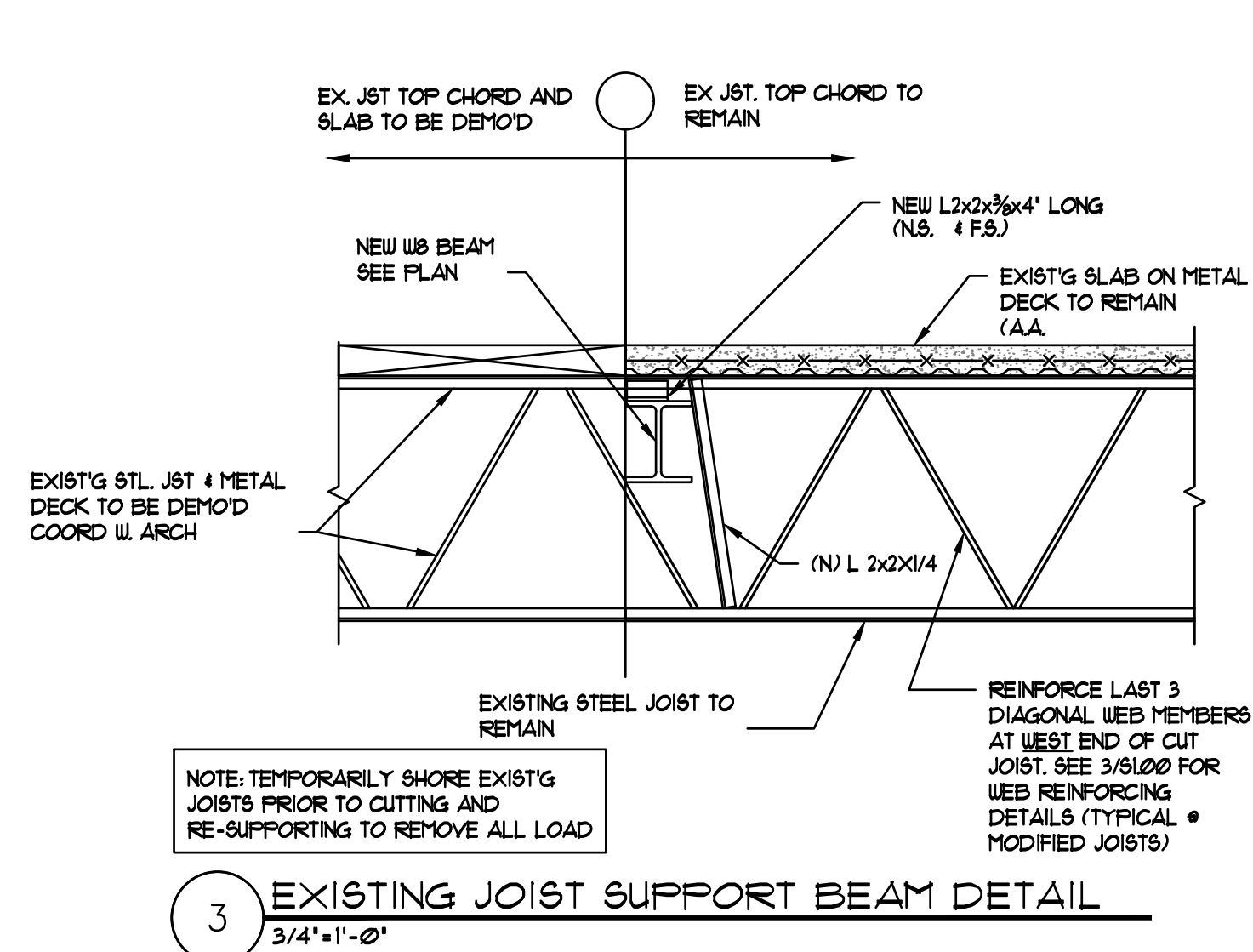
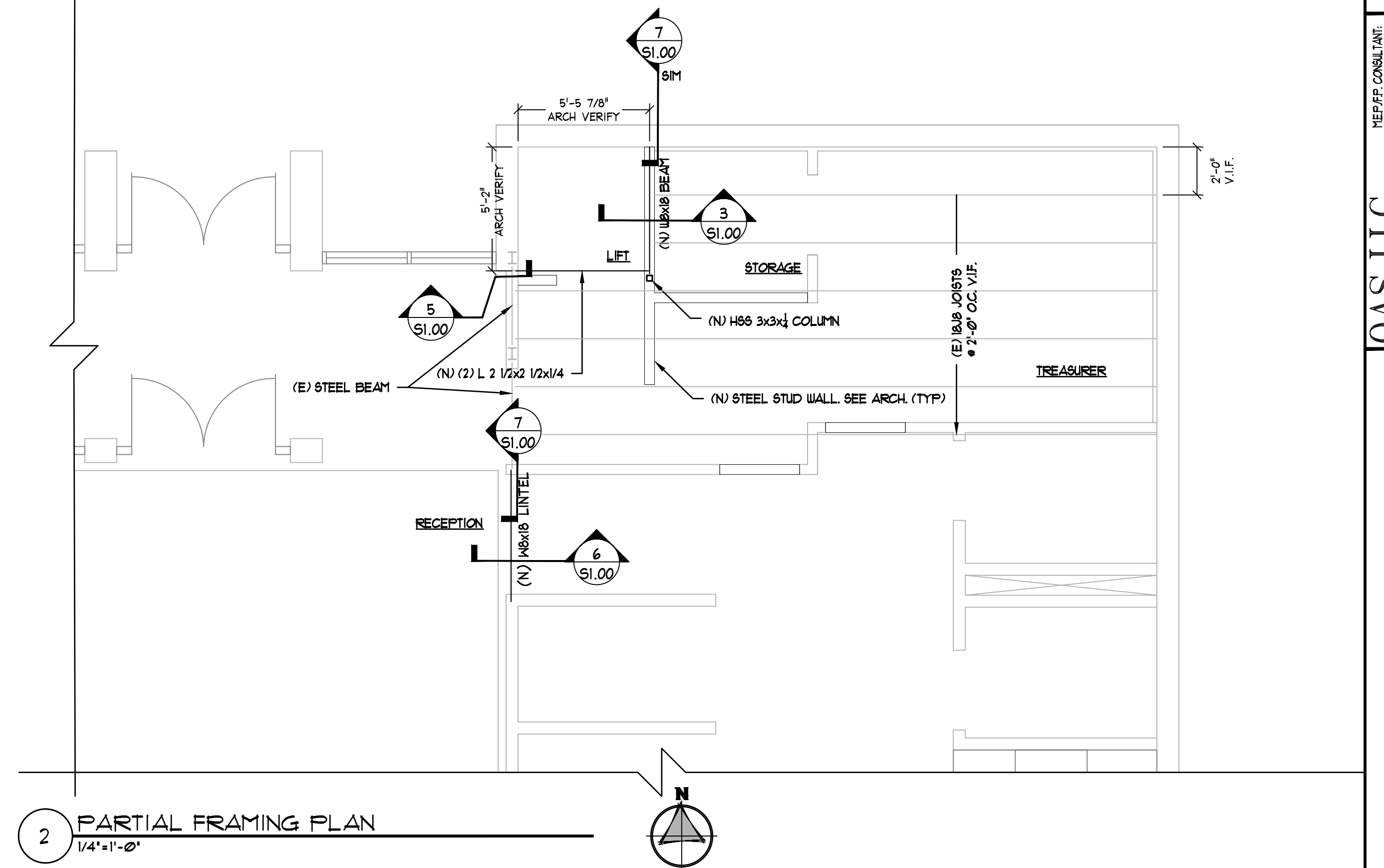
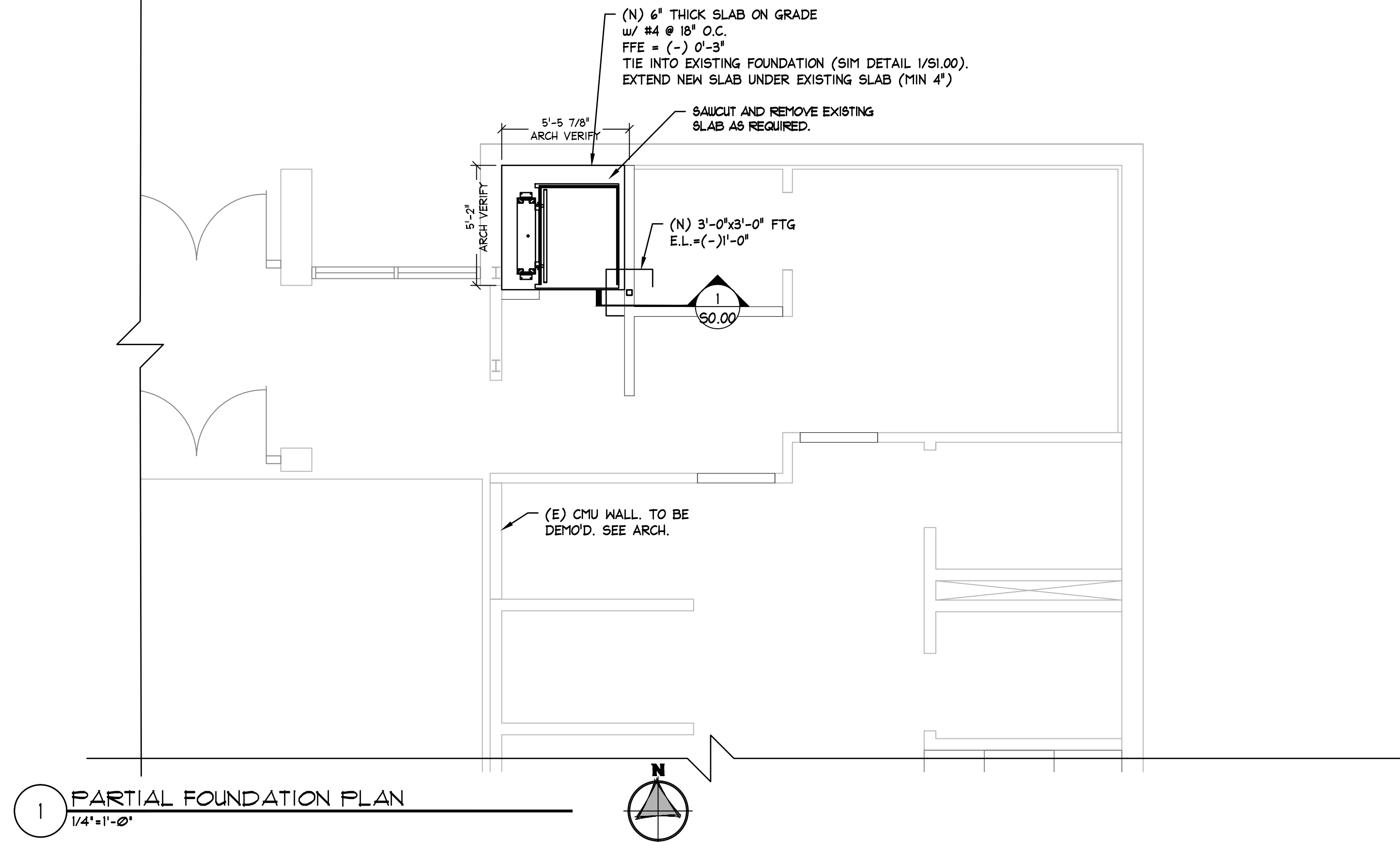
DUNELAND SCHOOL CORPORATION

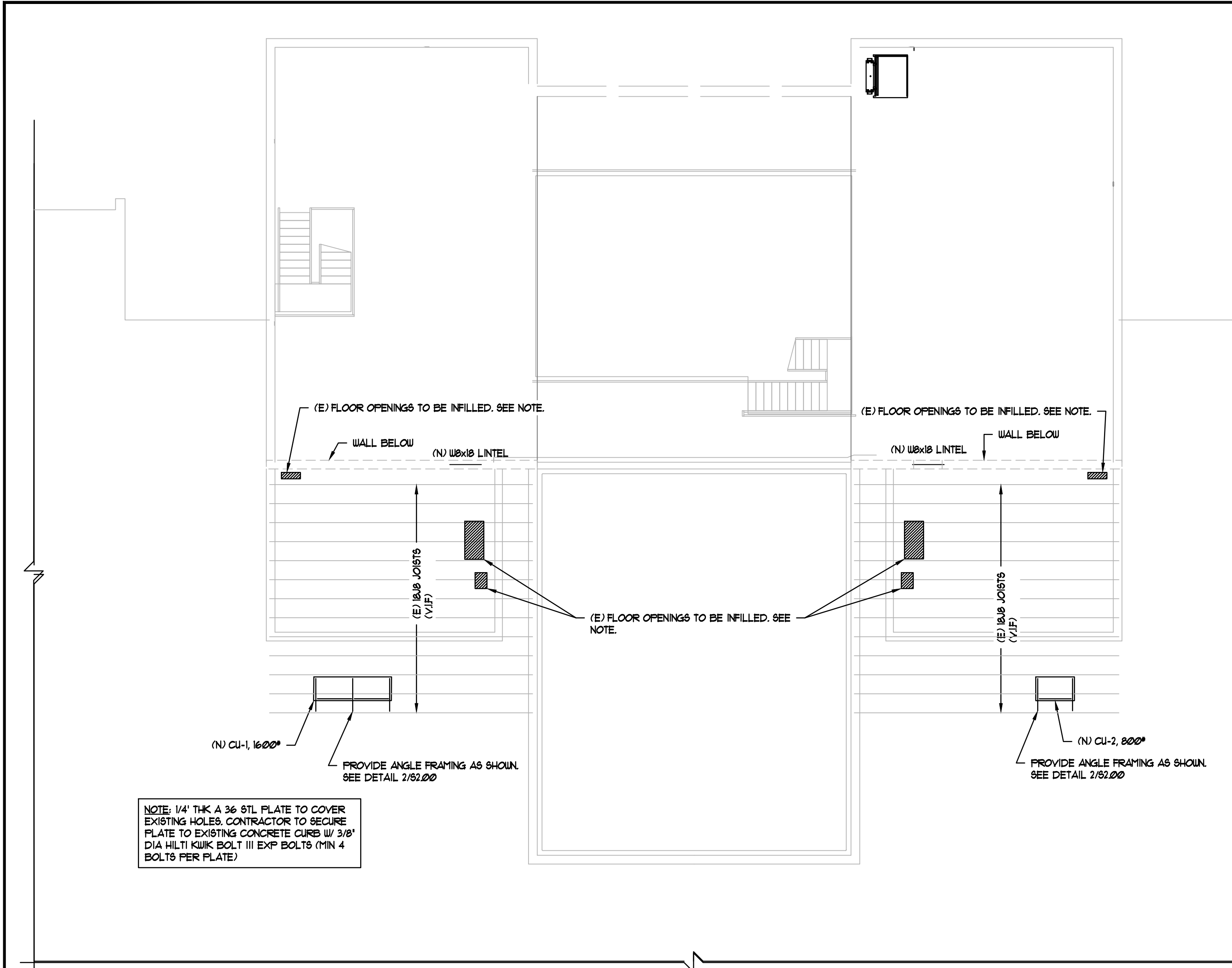
**2018 MAIN OFFICE RENOVATIONS AT:
CHESTERTON MIDDLE SCHOOL (CMS)
651 W. MORGAN AVENUE, CHESTERTON, INDIANA 46304**

PROJECT NUMBER: 18-003	REVISIONS:
PROJECT MANAGER: SB	1
DESIGNER: BY	2

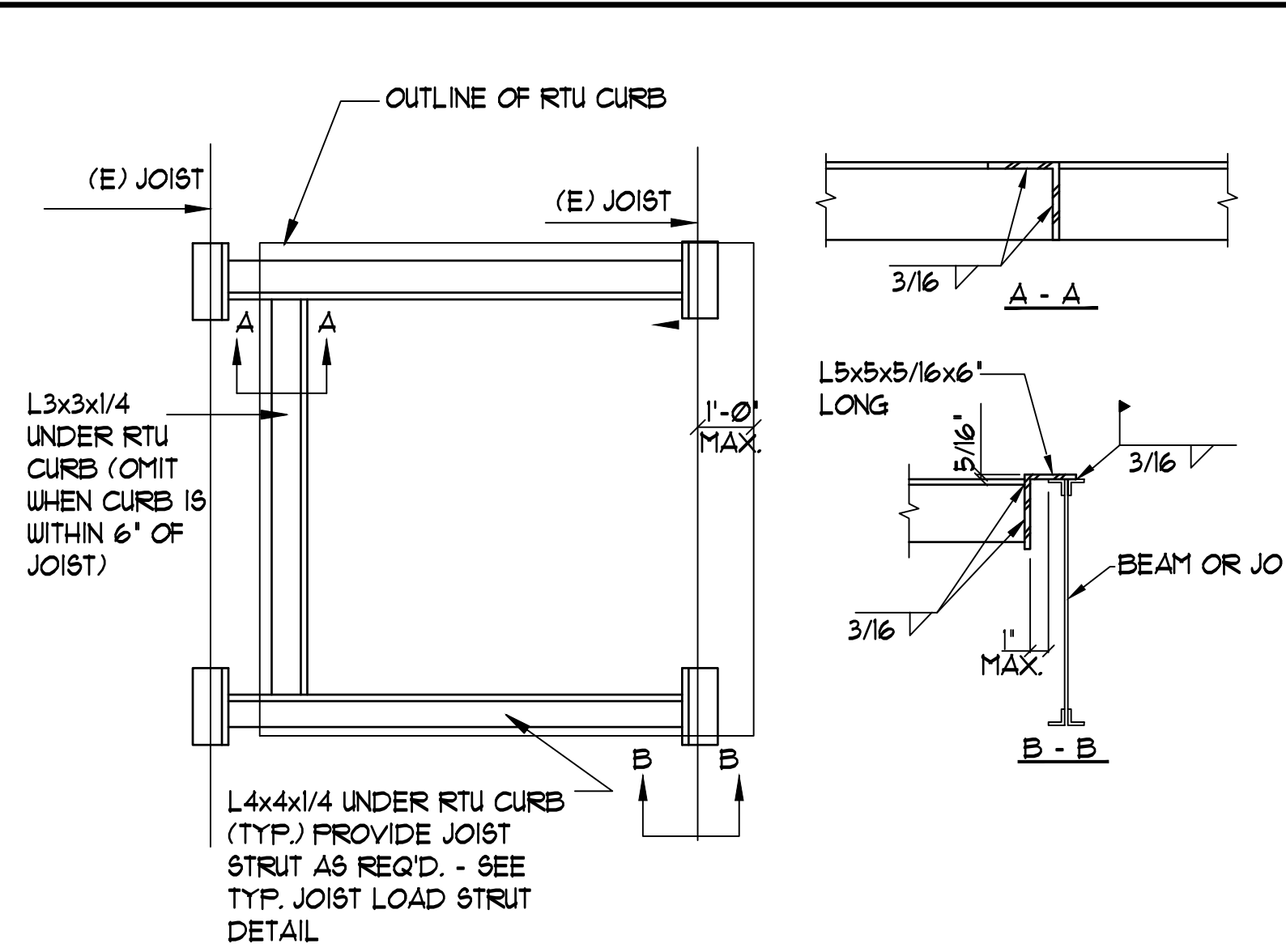
GENERAL NOTES

\$0.00

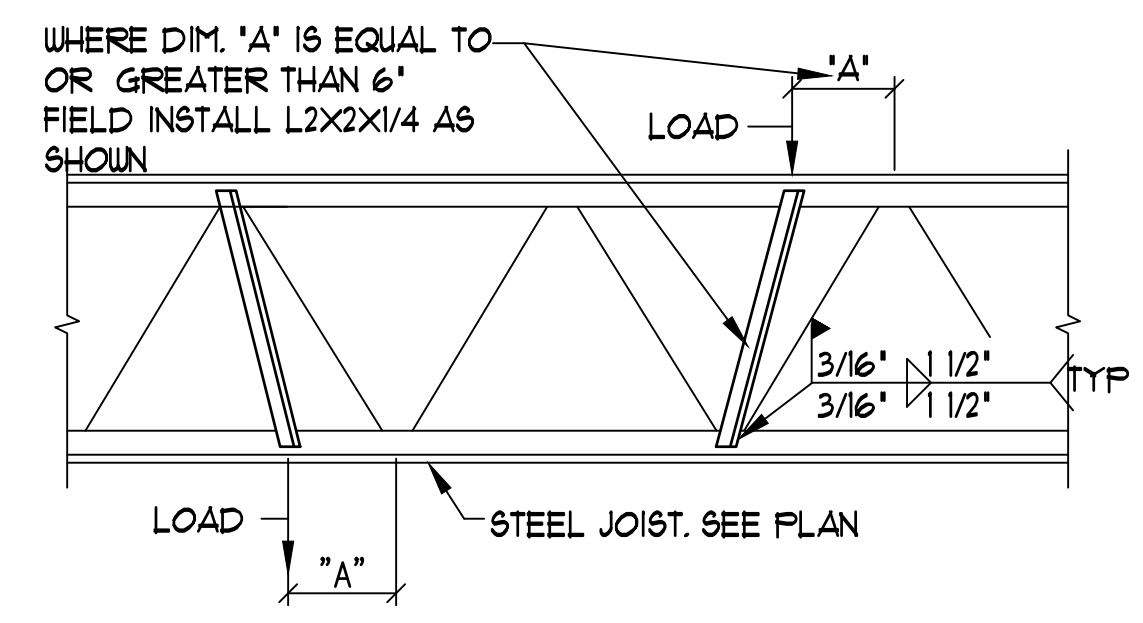




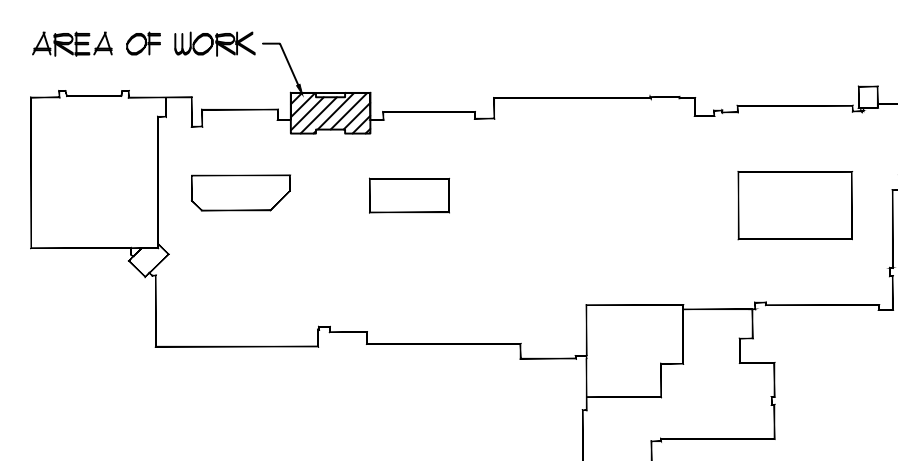
1 PARTIAL SECOND FLOOR PLAN
1/8" = 1'-0"



2 TYPICAL RTU SUPPORT
NTS



3 TYPICAL JOIST LOAD STRUT DETAIL
NTS



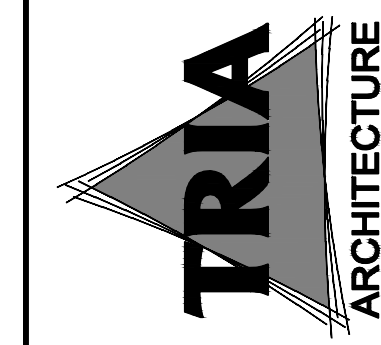
KEY PLAN
NOT TO SCALE



PROJECT NUMBER: 2003	REVISIONS:
PROJECT CHARGES: SB	1
DRAWN BY: RT	2
ISSUED FOR BIDDING: 02/28/08	3
MECHANICAL RELATED WORK	

DUNELAND SCHOOL CORPORATION
2018 MAIN OFFICE RENOVATIONS AT:
CHESTERTON MIDDLE SCHOOL (CMS)
651 W. MORGAN AVENUE, CHESTERTON, INDIANA 46304

OAS, LLC
 O'HIGGINS AND ARNOLD SUSTAINABILITY, LLC
 789 HARMON DR. UNIT A, SOUTH GREECE, INDIANA 46364
GreenbergFarrow
 21 SOUTH INDIANAPOLIS BLVD. 3RD FLOOR
 INDIANAPOLIS, IN 46204



S2.00