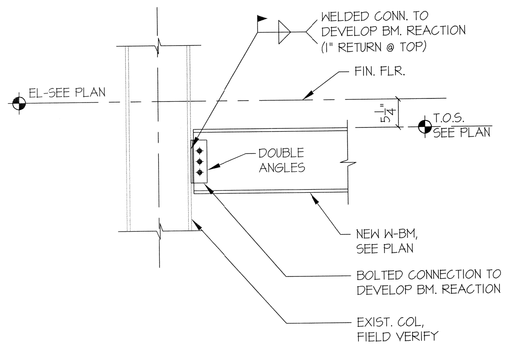
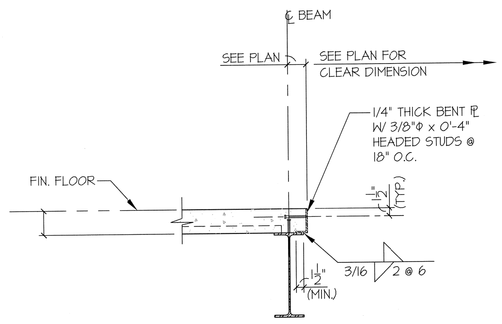
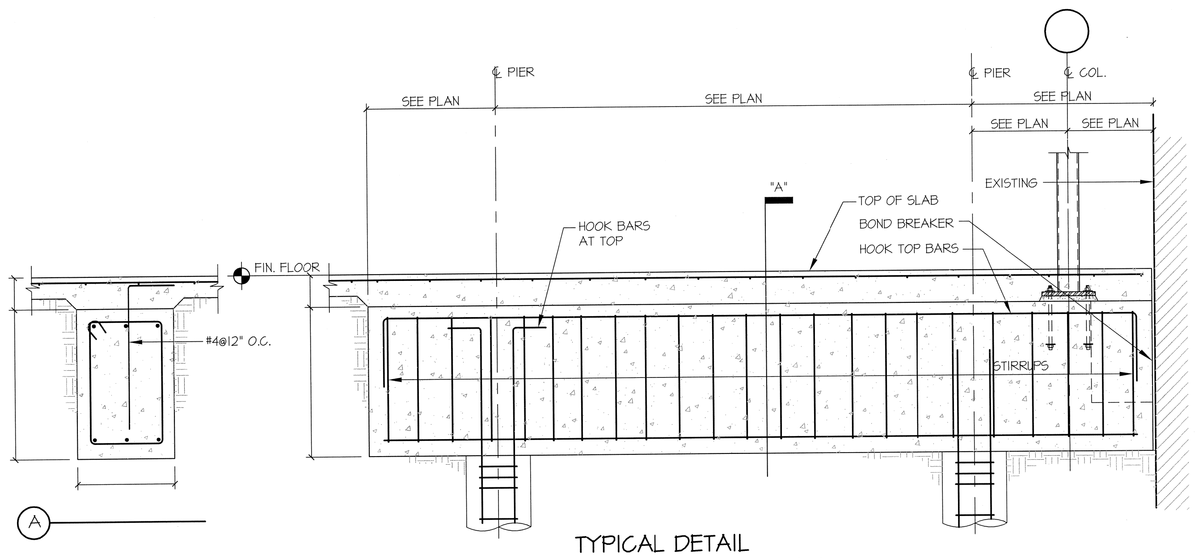


SCALE : 3/4" = 1'-0" 12

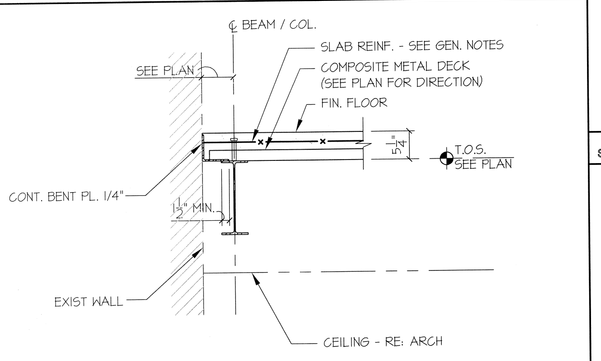


NOTE:
1. See plan for deck direction.

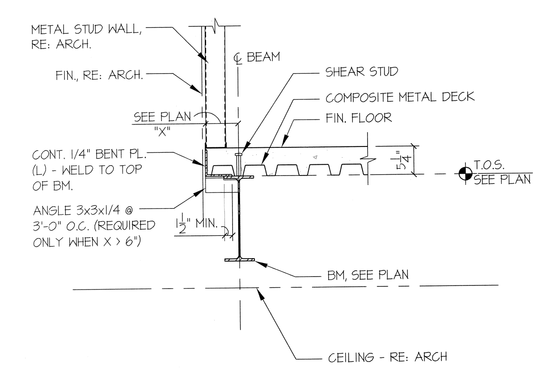


TYPICAL DETAIL
CANTILEVERED GRADE BEAM

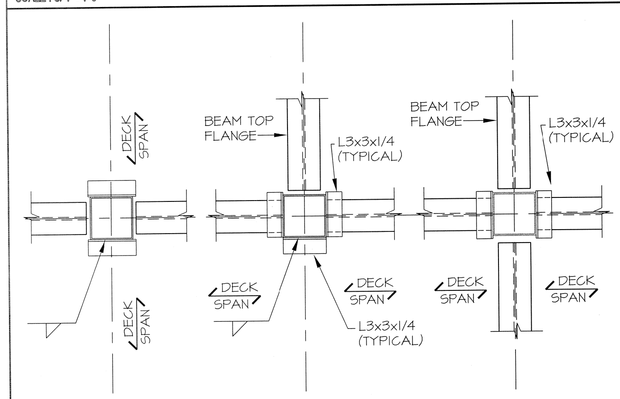
SCALE : 3/4" = 1'-0" 3



SCALE : 3/4" = 1'-0" 11

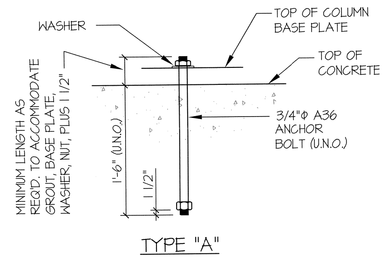


SCALE : 3/4" = 1'-0" 10



TYPICAL DETAIL
METAL DECK SUPPORT @ STEEL COLUMNS

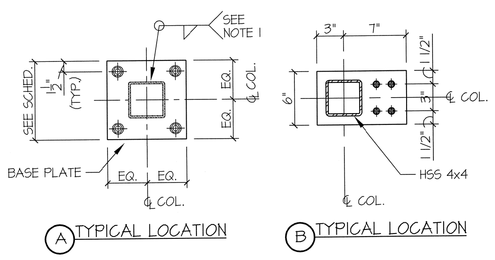
SCALE : 3/4" = 1'-0" 9



TYPE "A"

TYPICAL DETAIL
ANCHOR BOLT

SCALE : 3/4" = 1'-0" 7



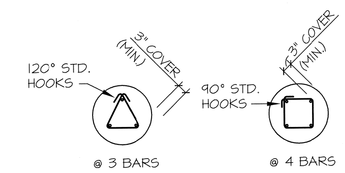
COLUMN SCHEDULE		
COLUMN	BASE PLATE	ANCHOR BOLTS
HSS 4 x 4	12" x 12" x 3/4"	(4)-3/4"Ø TYPE A

NOTES:
1. Minimum fillet weld according to A.I.S.C. (1/4" min.).
2. Use oversized holes for anchor bolts according to AISC.
3. Washers shall be installed over oversized holes.
4. Contractor shall provide 1/8" thick template for anchor bolt installation.

TYPICAL DETAIL
BASE PLATE AT HSS COLUMNS

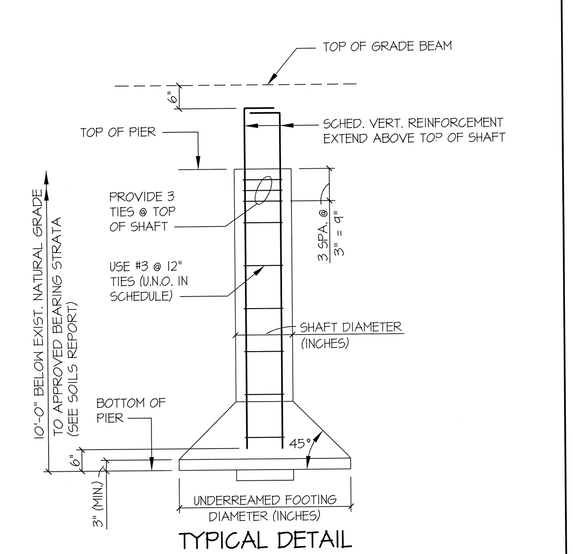
SCALE : 3/4" = 1'-0" 6

DRILLED PIER VERTICAL REINFORCEMENT SCHEDULE		
SHAFT DIAMETER (INCHES)	VERTICAL REINFORCEMENT	TIES (USE #3 @ 12" U.N.O.)
12	3 - #5	
14, 16	4 - #5	
18, 20	4 - #6	



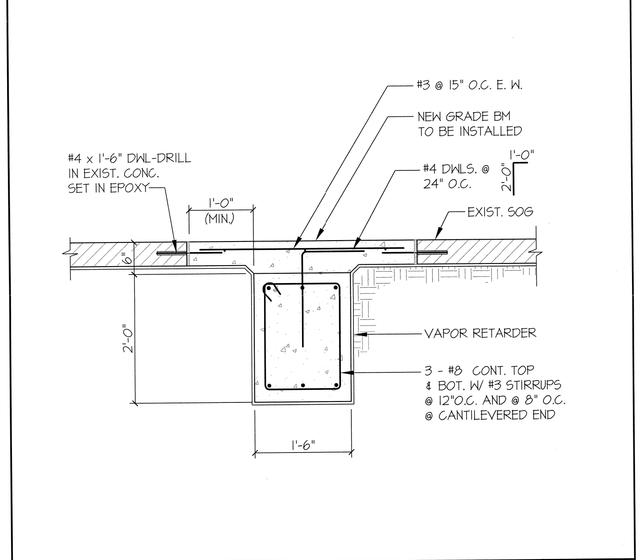
SHAFT BAR PLACEMENT PLANS

SCALE : 3/4" = 1'-0" 5

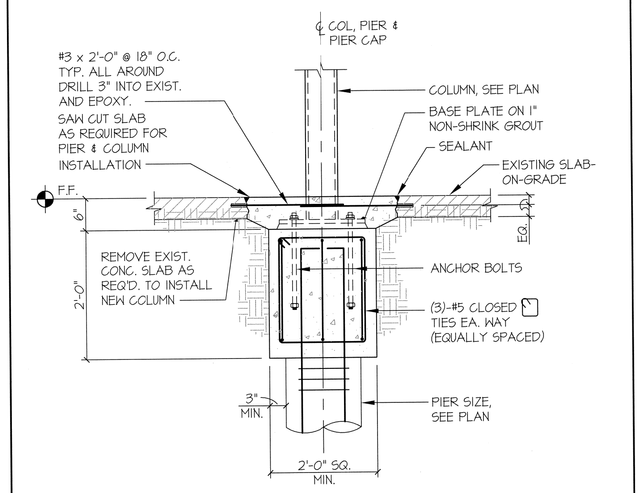


TYPICAL DETAIL
DRILLED PIER

SCALE : 3/4" = 1'-0" 4



SCALE : 3/4" = 1'-0" 2



TYPICAL DETAIL
INTERIOR COLUMN CAP
AT EXISTING SLAB-ON-GRADE

SCALE : 3/4" = 1'-0" 1

tqla

4601 Washington Ave, Suite 130
Houston, Texas 77007

Gensler

711 Louisiana
Suite 300
Houston, Texas 77002
Tel: 713.844.0000
Fax: 713.844.0001

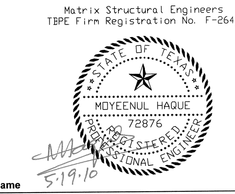
MATRIX STRUCTURAL ENGINEERS
MSE-10066

24 GREENWAY PLAZA
SUITE 1508
HOUSTON, TEXAS 77046-2401
PHONE: (713) 664-0130
FAX: (713) 664-1370
E-MAIL: cadfiles@matrixstructural.com

Issue	Date & Issue Description	By	Check
1	05/19/10 ISSUE FOR BID & CONSTRUCTION		

Seal/Signature

Matrix Structural Engineers
TBPE Firm Registration No. F-2640



Project Name
TQLA

Project Number
02.7005.000

CAD File Name
10066-CD-DWG

Description
FOUNDATION DETAILS
& FRAMING DETAILS

Scale

S3.01

©2010 Gensler