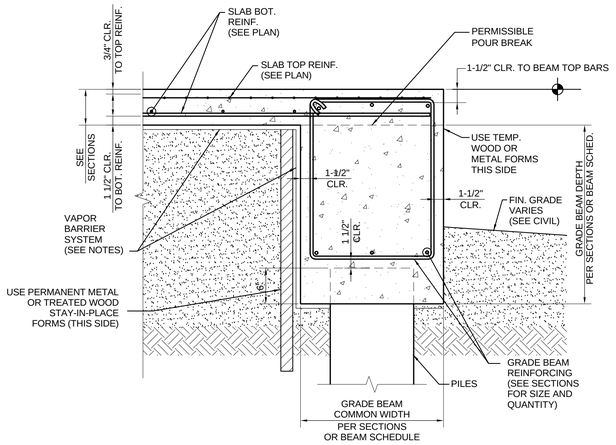
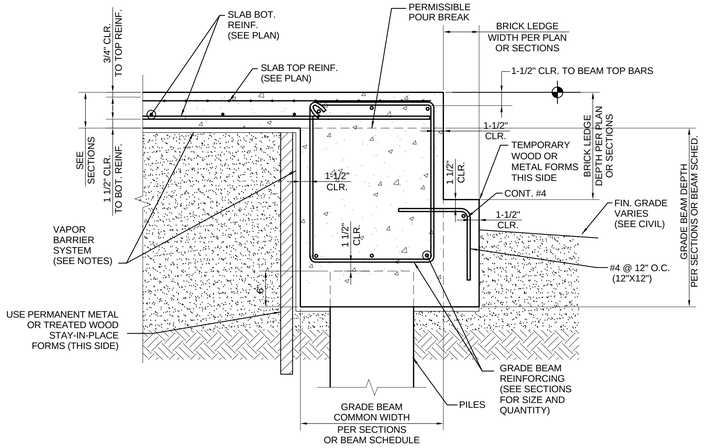


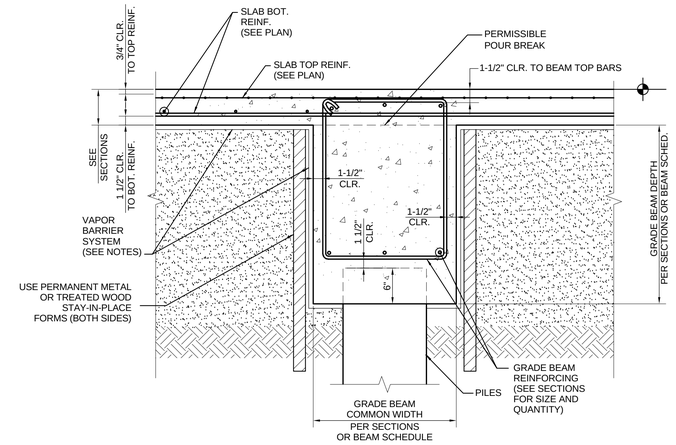
1 S1.3 TYP. SECTION - PERIMETER GRADE BEAM (no brick ledge)

NOT TO SCALE



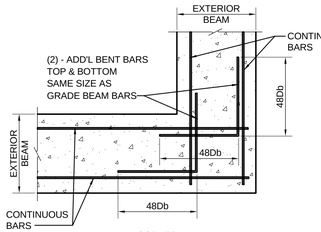
2 S1.3 TYP. SECTION - PERMETER GRADE BEAM (with brick ledge)

NOT TO SCALE

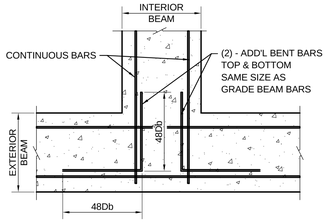


3 S1.3 TYP. INTERIOR GRADE BEAM

NOT TO SCALE



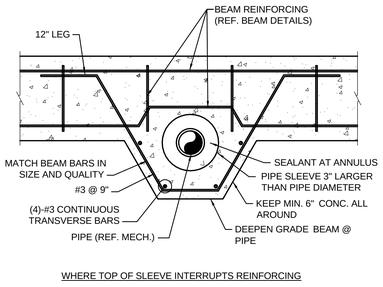
CORNER



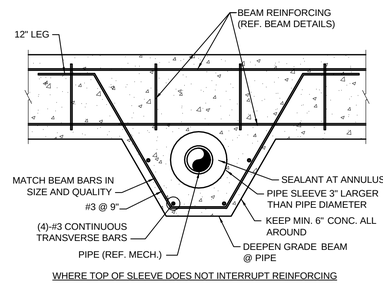
INTERMEDIATE

A S1.3 TYP. DETAIL - GRADE BEAM INTERSECTIONS

NOT TO SCALE



WHERE TOP OF SLEEVE INTERRUPTS REINFORCING

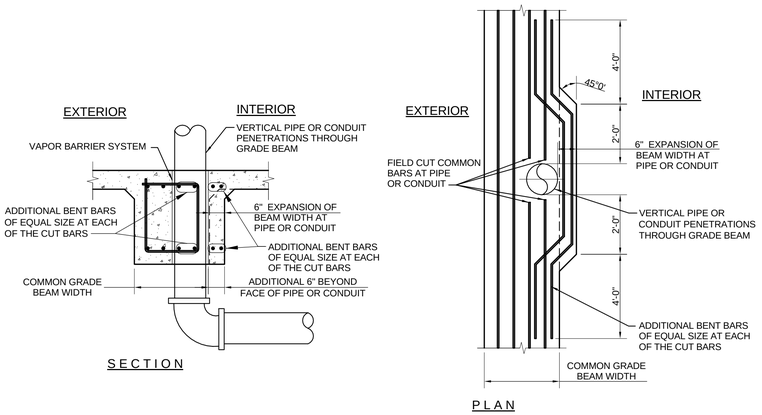


WHERE TOP OF SLEEVE DOES NOT INTERRUPT REINFORCING

THESE DETAILS DO NOT APPLY IF THE TOP OF THE PIPE IS MORE THAN 3" BELOW BOTTOM OF GRADE BEAM. IN SUCH CASE, USE HANGER AT BEAMS IN ADDITION TO ALONG PIPE.

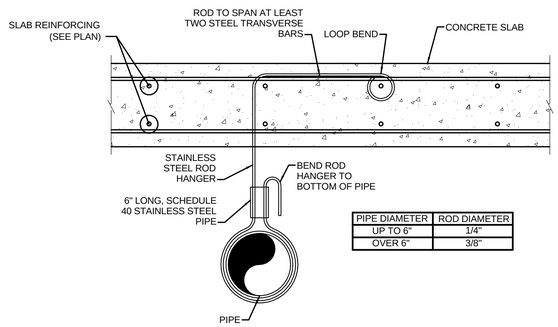
B S1.3 TYP. DETAIL - PIPES THROUGH GRADE BEAM HORIZONTALLY

NOT TO SCALE



C S1.3 TYP. DETAIL - PIPES THROUGH GRADE BEAM VERTICALLY

NOT TO SCALE



D S1.3 TYP. DETAIL - PIPES/CONDUIT BELOW FOUNDATION

NOT TO SCALE

GRADE BEAM SCHEDULE

MARK	BASIC WIDTH (*) (**)	DEPTH (***)	APPROX. LENGHT	REINFORCING	COMMENTS
1AB1	1' - 6"	1' - 11"	26' - 3"	(3) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	
1AB2	1' - 6"	1' - 11"	10' - 6"	(3) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	
1AB3	1' - 0"	1' - 11"	5' - 8"	(2) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	
1AB4	1' - 6"	1' - 11"	16' - 4"	(3) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	
1AB5	1' - 6"	1' - 11"	16' - 6"	(3) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	
1AB6	1' - 6"	1' - 1 1/4"	4' - 6"	(3) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	
1B01	2' - 0"	3' - 1"	49' - 3"	(4) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	NOTE 1
1B02	1' - 6"	3' - 1"	49' - 3"	(3) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	
1B02A	1' - 6"	2' - 4"	49' - 3"	(3) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	
1B03	2' - 0"	3' - 1"	10' - 1"	(4) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	NOTE 1
1B04	2' - 0"	2' - 4"	60' - 6"	(4) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	
1B05	2' - 0"	2' - 4"	60' - 6"	(4) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	
1B06	2' - 0"	2' - 4"	60' - 6"	(4) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	
1B07	2' - 0"	2' - 4"	60' - 6"	(4) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	
1B08	2' - 0"	2' - 4"	60' - 6"	(4) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	
1B09	2' - 0"	2' - 4"	60' - 6"	(4) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	
1B10	2' - 0"	2' - 4"	60' - 6"	(4) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	
1B11	1' - 6"	2' - 4"	59' - 4"	(3) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	
1B12	2' - 0"	3' - 1"	56' - 4"	(4) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	
1B13	2' - 0"	3' - 1"	8' - 4"	(4) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	NOTE 2
1B14	1' - 6"	3' - 1"	30' - 0"	(3) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	
1B15	2' - 0"	3' - 1"	30' - 0"	(4) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	NOTE 2
1B16	2' - 0"	3' - 1"	18' - 0"	(4) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	NOTE 2
1B17	2' - 0"	3' - 1"	13' - 8"	(4) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	NOTE 1
1B18	2' - 0"	2' - 4"	62' - 1"	(4) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	NOTE 1
1B19	2' - 0"	3' - 1"	14' - 4"	(4) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	NOTE 2
1B20	2' - 0"	3' - 1"	21' - 2"	(4) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	
1B21	2' - 0"	2' - 4"	70' - 0"	(4) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	
1B22	2' - 0"	3' - 1"	21' - 2"	(4) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	NOTE 2
1B23	2' - 0"	3' - 1"	14' - 4"	(4) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	
1B24	2' - 0"	3' - 1"	10' - 0"	(4) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	NOTE 1
1B25	2' - 0"	3' - 1"	3' - 10"	(4) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	
1B26	2' - 0"	2' - 4"	61' - 3"	(4) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	NOTE 1
1B27	2' - 0"	3' - 1"	18' - 7"	(4) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	NOTE 1
1B28	2' - 0"	3' - 1"	4' - 2"	(4) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	NOTE 1
1BB01	1' - 0"	2' - 0 11/16"	21' - 0"	(2) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	
1BB02	2' - 0"	2' - 11"	7' - 1"	(4) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	
1BB03	1' - 0"	2' - 11"	11' - 7"	(2) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	
1BB04	1' - 0"	2' - 11"	8' - 9"	(2) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	
1BB05	1' - 6"	1' - 6"	11' - 6"	(3) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	
1BB06	1' - 0"	2' - 11"	3' - 9"	(2) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	
1BB07	1' - 0"	1' - 11"	7' - 10"	(2) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	
1BB08	1' - 0"	3' - 1"	8' - 11"	(2) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	
1BB09	1' - 0"	2' - 11"	3' - 9"	(2) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	
1BB10	1' - 0"	1' - 6 1/4"	10' - 11"	(2) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	
1BB11	1' - 0"	1' - 6 1/4"	6' - 1"	(2) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	
1BB12	1' - 0"	1' - 0"	8' - 10"	(2) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	
1BB13	1' - 0"	11"	23' - 5"	(2) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	
1BB14	8"	2' - 5"	3' - 0"		
1E01	1' - 0"	4' - 6"	7' - 2"	(2) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	
1E02	1' - 0"	4' - 6"	8' - 10"	(2) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	
1E03	1' - 9"	4' - 6"	7' - 2"	(3) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	
1E04	1' - 0"	4' - 6"	8' - 10"	(2) - #7 TOP & BOTTOM W/ #4 TIES @ 16" O.C.	

NOTES:

1. (*) ADD TO GRADE BEAM WIDTH FOR BRICK LEDGE AND PAVING LEDGE.
2. (**) ADD TO GRADE BEAM WIDTH FOR SLAB LEDGE
3. (***) DEPTH INDICATED IS FROM BOTTOM OF SLAB TO BOTTOM OF GRADE BEAM. EXTEND TOP REINFORCING INTO SLAB PER DETAILS.

JULIEN ENGINEERING & CONSULTING
2916 GEN. DEGAULLE DR. STE. 200
NEW ORLEANS, LOUISIANA 70114
WWW.JULIEN-ENGINEERING.COM
JEC No. 15041

Scales in this drawing are as indicated when this bar measures exactly 1" long

ARCHITECT'S SEAL
STATE OF LOUISIANA
KERWIN E. JULIEN SR.
License No. 24944
PROFESSIONAL ENGINEER
11-30-16
CIVIL ENGINEERING

LACHIN OUBRE & Associates
ARCHITECTS & PLANNERS
PROJECT MANAGERS
A PROFESSIONAL CORPORATION
3000 West Esplanade Ave., Suite 302, Metairie, La. 70002
Ph: 504-835-8013

No.	DATE	REVISION	DESCRIPTION

ENGINE 36
CITY OF NEW ORLEANS FIRE STATION
5403 READ BLVD
NEW ORLEANS LOUISIANA

Bid Set

DRAWING TITLE: FOUNDATION DETAILS

PROJECT No.:	1506
CHECK BY:	KEJ
DRAWN BY:	KEJ
DATE:	11/30/16
SHEET No.:	S1.3

OF SHEET