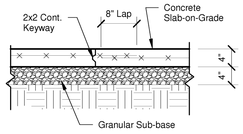
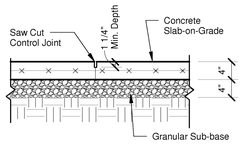


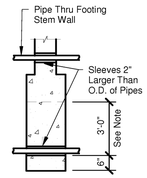
CONSTRUCTION JOINT

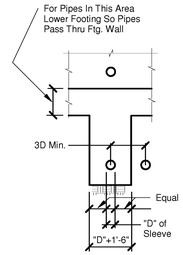


CONTROL JOINT

Notes:
1. Maximum spacing of control joints shall be 15'-0"o.c. (U.N.O.).
2. Locate control joints as specified on architectural drawings (when applicable).
3. Provide 10 MIL Vapor Barier below slab (U.N.O.)

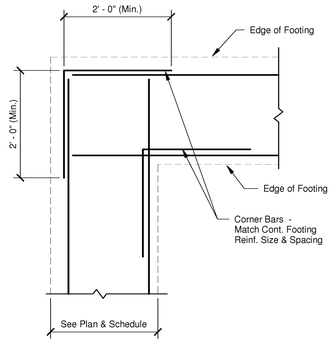
1 Slab-on-Grade Details
3/4" = 1'-0"



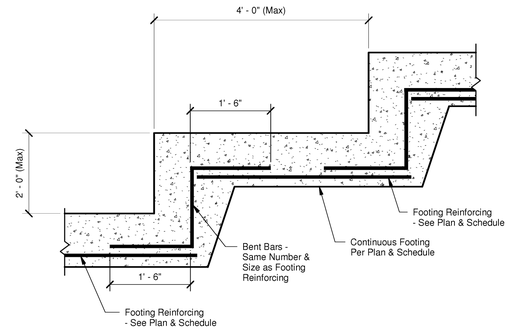


Note: For Pipes 3'-0" or Less Below Ftg, Provide Sleeve and Concrete as Shown; More Than 3'-0" of Compact Backfill Over Pipe as Approved by Soils Engineer, or Use Stepped Footing Below Pipe.
Where Pipes Cross Under and are More Than 3' Below, the Ftgs Shall be Stepped if the Following Exists:
a) Multiple Pipes Where the Spacing Betw. is < 3 Times the Diameter of the Larger Pipe Size.
b) Pipes 24" Diameter or Larger.

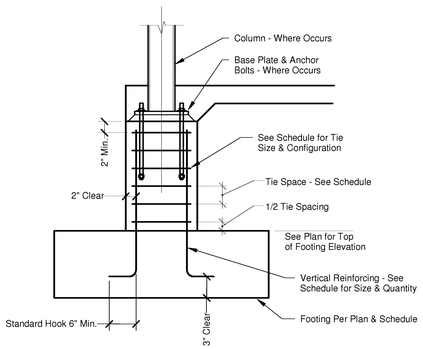
2 Pipe @ Footing Detail
3/4" = 1'-0"



3 Typ. Cont. Corner Footing Detail
3/4" = 1'-0"

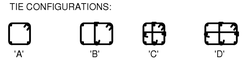


4 Typical Footing Step Detail
3/4" = 1'-0"



CONCRETE PIER SCHEDULE					
Type	Width	Length	Vertical Reinforcing	Tie Size & Spacing	Tie Config.
CP1	2' - 4"	2' - 4"	16 #7	#4 @ 4"o.c.	C
CP2	1' - 4"	4' - 0"	4 #7	#4 @ 6"o.c.	A
CP3	1' - 0"	1' - 0"	4 #6	#4 @ 6"o.c.	A

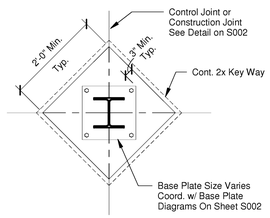
TIE CONFIGURATIONS:



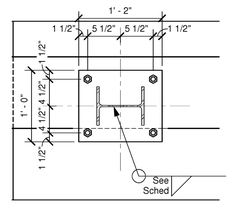
5 Typical Concrete Pier
3/4" = 1'-0"

BASE PLATE SCHEDULE					
Type	Plate Thickness	Weld Size	Bolt Type : Grade - Size	Bolt Embedment	Grout Thickness
BP1	3/4"	5/16"	F1554 Anchor Rod : 36 ksi - 3/4" Dia.	0' - 9"	0' - 1 1/2"
BP2	1 1/4"	Full Pen	F1554 Anchor Rod : 105 ksi - 1" Dia.	1' - 3"	0' - 2"
BP3	1 1/4"	See 9/S1.1	F1554 Anchor Rod : 105 ksi - 1-1/4" Dia.	1' - 3"	0' - 2"
BP4	2"	Full Pen	F1554 Anchor Rod : 105 ksi - 1-1/2" Dia.	1' - 6"	0' - 2"
BP5	3/4"	Full Pen	F1554 Anchor Rod : 36 ksi - 3/4" Dia.	0' - 9"	0' - 1 1/2"
BP6	1 1/4"	5/16"	F1554 Anchor Rod : 105 ksi - 1-1/4" Dia.	1' - 3"	0' - 2"

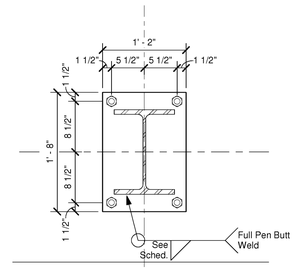
Welds at (SMF) Special Moment Frame Columns are to be Full Penetration Welds.



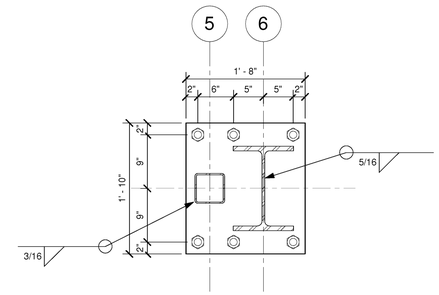
6 Cold Joint Block-Out1
1/2" = 1'-0"



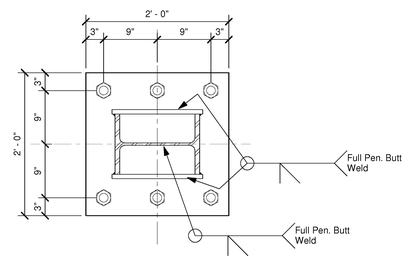
7 Base Plate Layout - BP1
1" = 1'-0"



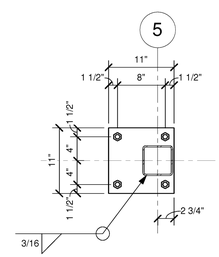
8 Base Plate Layout - BP2
1" = 1'-0"



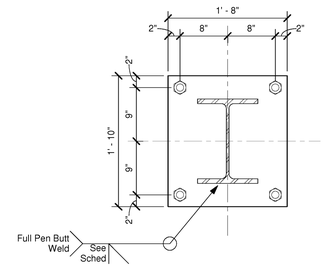
9 Base Plate Layout - BP3
1" = 1'-0"



10 Base Plate Layout - BP4
1" = 1'-0"



11 Base Plate Layout - BP5
1" = 1'-0"



12 Base Plate Layout - BP6
1" = 1'-0"

WALL SCHEDULE					
Type	Width	Horizontal Reinforcing	Vertical Reinforcing	Material	Remarks
CW1	1' - 0"	#5 @ 12" o.c.	#5 @ 12" o.c.	f'c = 3000psi	

FOOTING SCHEDULE						
Type	Length	Width	Depth	Reinforcing Longitudinal	Reinforcing Transverse	Remarks
F36	3' - 0"	3' - 0"	1' - 2"	(3) #5	(3) #5	
F48A	4' - 0"	4' - 0"	1' - 3"	(5) #5	(5) #5	Top & Btm
F60A	5' - 0"	5' - 0"	1' - 3"	(6) #5	(6) #5	Top & Btm
F72A	6' - 0"	6' - 0"	2' - 0"	(6) #5	(6) #5	Top & Btm
F78A	6' - 6"	6' - 6"	2' - 0"	(6) #5	(6) #5	Top & Btm
F84A	7' - 0"	7' - 0"	2' - 0"	(7) #5	(7) #5	Top & Btm
F90A	7' - 6"	7' - 6"	2' - 0"	(7) #5	(7) #5	Top & Btm
F96A	8' - 0"	8' - 0"	2' - 0"	(8) #5	(8) #5	Top & Btm
F102A	8' - 6"	8' - 6"	2' - 0"	(8) #5	(8) #5	Top & Btm
F114	9' - 6"	9' - 6"	1' - 6"	(10) #6	(10) #6	
F114A	9' - 6"	9' - 6"	2' - 0"	(9) #5	(9) #5	Top & Btm
F120	10' - 0"	10' - 0"	1' - 6"	(10) #6	(10) #6	
F132A	11' - 0"	11' - 0"	2' - 0"	(11) #5	(11) #5	Top & Btm
F138A	11' - 6"	11' - 6"	2' - 0"	(11) #5	(11) #5	Top & Btm
F150	12' - 6"	12' - 6"	1' - 6"	(13) #6	(13) #6	
F156A	13' - 0"	13' - 0"	2' - 0"	(13) #5	(13) #5	Top & Btm
F4827A	4' - 0"	2' - 3"	1' - 3"	(3) #5	(5) #5	Top & Btm

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SHELBY COUNTY SHERIFF'S OFFICE
RANGE OPERATIONS BUILDING
800 DOVECREST MEMPHIS, TENNESSEE

SEAL:
STATE OF TENNESSEE
6-28-12

REVISIONS:

DATE:
Aug 28, 2012

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Author

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Details & Schedules

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