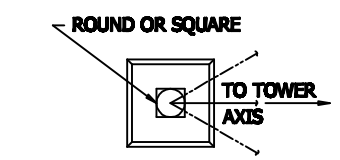
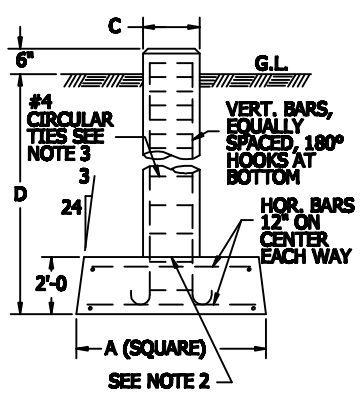
FDN. I.D. NO.	MAX ANCHOR BOLT SIZE, ALL FND TYPES	LIMITS FOR TYPES 1,2 & 3			PIER AND PAD (TYPE 1)								DRILL AND BELL (TYPE 2)						DRILLED PIER (TYPE 3)					MAT (TYPE 4)			
		ALLOW. LEG LOAD (KIPS)	ALLOW. SHEAR (KIPS PER LEG)	MIN ANCHOR BOLT SIZE (NOTE 6)	MIN FACE SPREAD	D	A	C	VERT. BARS	HOR. BARS	REQ'D CONC. (CU. YDS. 3 FDNS) ROUND	REQ'D CONC. (CU. YDS. 3 FDNS) SQUARE	MIN FACE SPREAD	D	X	Y	VERT. BARS	REQ'D CONC. (CU. YDS. 3 FDNS)	MIN FACE SPREAD	D	Y	VERT. BARS	REQ'D. CONC. (CU. YDS. 3 PIERS)	MAX FACE SPREAD	MAX O.T.M. FOOT KIPS	W	REQ'D CONC. (CU.YDS.) (NOTE 6)
F1	(4) 5/8	4.5		N/A																				1' 6	12.8	4' 0	2.4
F2	(4) 5/8	11.2		N/A																				2' 10	33.2	5' 6	4.5
F3	(4) 5/8	19.6		N/A																				3' 11	61.5	6' 9	6.8
F4	(4) 5/8	28.0		N/A																				5' 0	102	8' 0	9.5
F5	(4) 5/8	36.0		N/A																				5' 8	133	8' 9	11.3
F6	(4) 7/8	33.7	4.0	5/8X42	6' 6	8' 0	4' 6	2' 0	8 #6	#6	6.3	6.9												7' 7	304	11' 6	19.6
F7	(4) 7/8	43.6	6.0	5/8X42	8' 6	8' 9	5' 6	2' 0	8 #7	#6	8.7	9.4	7' 6	11' 0	4' 6	2' 6	10 #6	7.8	7' 6	16' 0	2' 6	10 #6	9.0	10' 0	578	14' 3	30.1
F8	(4) 7/8	52.5	6.0	5/8X42	8' 6	8' 9	5' 6	2' 0	8 #7	#6	8.7	9.4	7' 6	11' 0	4' 6	2' 6	10 #6	7.8	7' 6	18' 6	2' 6	10 #6	10.4	11' 1	819	16' 0	37.9
F9	(4) 7/8	56.0	8.0	5/8X42	8' 6	9' 0	5' 6	2' 0	8 #7	#6	8.8	9.5	7' 6	11' 0	5' 0	2' 6	10 #6	8.7	7' 6	19' 6	2' 6	10 #6	10.9	13' 0	1210	18' 3	49.3
F10	(4) 1	64.9	10.0	3/4X48	8' 6	10' 0	5' 6	2' 6	8 #8	#6	10.8	12.0	7' 6	12' 0	5' 0	2' 6	10 #6	9.2	7' 6	21' 9	2' 6	10 #6	12.2	14' 11	1780	20' 9	63.8
F11	(4) 1	85.6	10.0	3/4X48	8' 6	11' 0	5' 6	2' 6	10 #8	#6	11.3	12.7	8' 0	12' 6	6' 0	2' 6	10 #6	11.8	9' 0	22' 9	3' 0	12 #6	18.3	16' 10	2430	23' 0	78.4
F12	(6) 1	114.0	15.0	7/8X60	9' 6	12' 0	6' 3	3' 0	12 #8	#6	16.3	18.5	9' 0	14' 0	6' 6	3' 0	10 #7	16.7	10' 6	25' 0	3' 6	12 #7	27.3	18' 11	3610	26' 3	102
F13	(6) 1	129.0	15.0	7/8X60	10' 0	12' 6	6' 6	3' 0	12 #8	#6	17.3	19.7	9' 0	14' 0	7' 0	3' 0	12 #7	18.4	10' 6	27' 6	3' 6	12 #7	30.0				
F14	(6) 1	152.0	15.0	7/8X60	11' 0	13' 0	7' 3	3' 0	12 #8	#6	19.9	22.4	9' 3	15' 0	7' 3	3' 0	12 #8	20.1	12' 0	30' 0	4' 0	12 #8	42.6				
F15	(8) 1	184.0	20.0	7/8X60	12' 6	13' 9	7' 9	3' 6	16 #8	#6	25.6	29.2	10' 6	16' 0	8' 0	3' 6	12 #8	27.6	12' 0	38' 0	4' 0	12 #8	53.8				
F16	(8) 1	215.0	25.0	1X70	14' 0	14' 0	8' 9	3' 6	16 #8	#6	29.4	33.1	10' 9	16' 0	8' 9	3' 6	16 #8	31.4	13' 6	38' 0	4' 6	16 #8	68.0				
F17	(8) 1	242.0	25.0	1X70	15' 3	14' 0	9' 9	3' 6	16 #9	#7	33.4	37.1	11' 3	17' 0	9' 3	3' 6	16 #8	35.4	13' 6	44' 0	4' 6	16 #8	78.6				
F18	(8) 1	268.0	35.0	1X70	16' 6	14' 0	10' 9	4' 0	21 #9	#7	42.0	46.7	12' 0	17' 0	9' 9	4' 0	16 #9	42.7	13' 6	49' 0	4' 6	16 #8	87.5				

NOTE: MAX O.T.M. IS ABOUT MAT CENTERLINE AT BOTTOM OF MAT.

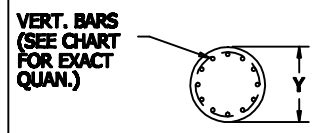


PLAN VIEW

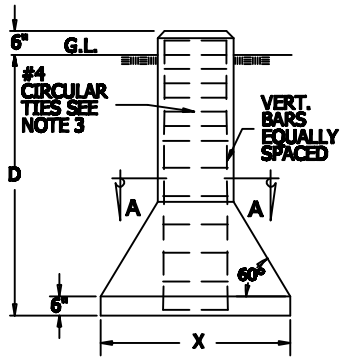


ELEVATION VIEW

PIER AND PAD

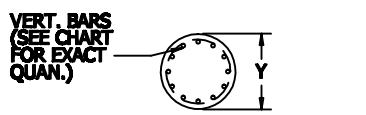


SECTION A-A

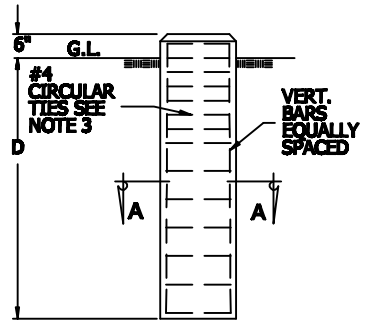


ELEVATION VIEW

DRILL AND BELL

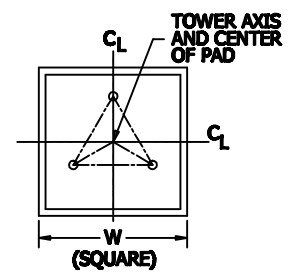


SECTION A-A

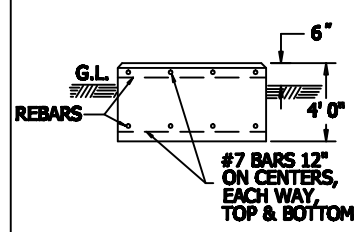


ELEVATION VIEW

DRILLED PIER

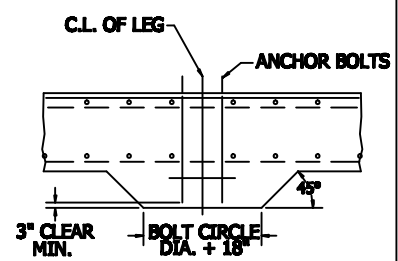


PLAN VIEW



ELEVATION VIEW

MAT



TYPICAL POCKET DETAIL
(SEE NOTE 6)

GENERAL NOTES

1. FOR REQUIRED MATERIAL SPECIFICATIONS, INSTALLATION NOTES AND TOLERANCES SEE DRAWING NUMBER B841300.
2. ROUGHEN CONSTRUCTION JOINT TO A FULL AMPLITUDE OF 1/4 INCH.
3. CIRCULAR TIES TO BE PLACED ON 3 INCH CENTERS FOR TOP 4 FEET AND 12 INCH CENTERS FROM 4 FEET TO BOTTOM, WITH 22 INCH LAPS.
4. FOR ANCHOR BOLT SIZE AND QUANTITY SEE ANCHOR BOLT LAYOUT DRAWING FOR TOWER.
5. MINIMUM ANCHOR BOLT SIZE SHOWN IS REQUIRED FOR DEVELOPMENT WITH VERTICAL REINFORCING BARS. LARGER ANCHOR BOLTS MAY BE REQUIRED BASED ON TOWER REACTIONS.
6. ANCHOR BOLTS OVER 48 INCH LONG REQUIRE POCKETS UNDERNEATH EACH LEG FOR MAT FOUNDATIONS. CONCRETE VOLUME INDICATED IN TABLE DOES NOT INCLUDE VOLUME OF POCKETS. SEE TYPICAL POCKET DETAILS FOR MAT FOUNDATION.

FILE NO.
Standard-SSV

REVISIONS

REV.	DESCRIPTION	DWN	CHK	APP
3	UPDATED TO STRAIGHT ANCHORS DATE: Mar/02/2006	MJF	KTL	H.A
4	REVISED ANCHOR BOLT LENGTH FOR F16, F17 & F18 FROM 1X70 TO 1X70 DATE: Feb/28/2007	JWS	JDM	H.A
5	CORRECTED TABLE NOTES DATE: Apr/28/2008	LGC	JDM	H.A

DWG REFERENCE

ROHN PRODUCTS
6718 WEST PLANK ROAD
PEORIA, IL 61604
TOLL FREE 800-727-ROHN

THIS DRAWING IS THE PROPERTY OF ROHN. IT IS NOT TO BE REPRODUCED, COPIED OR TRACED IN WHOLE OR IN PART WITHOUT OUR WRITTEN CONSENT.

FOUNDATION
FOR SELF SUPPORTING TOWERS

DWN: WDU	CHK'D: RAM	DATE: Dec/10/1987
ENGR: XK		
DRAWING NO: D870532		REV: 5

24/10/2009 8:19:24 AM
\Standard\