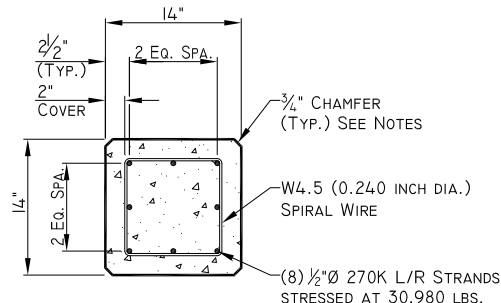
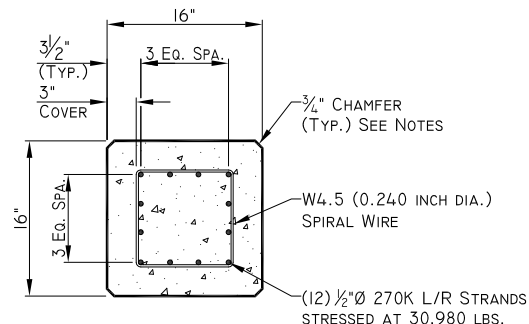


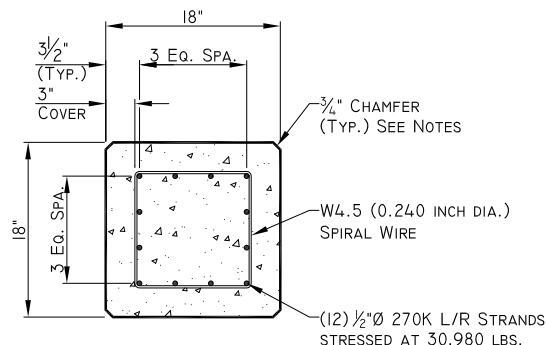
12" x 12" PILE CROSS SECTION



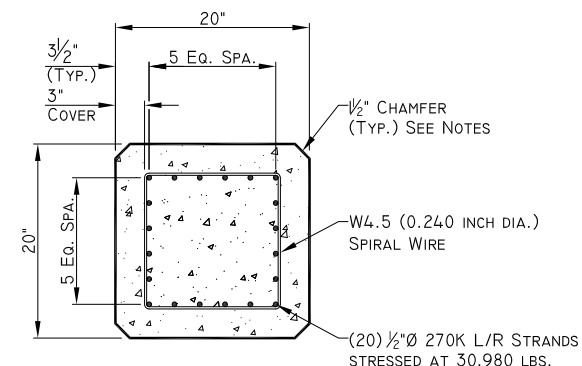
14" x 14" PILE CROSS SECTION



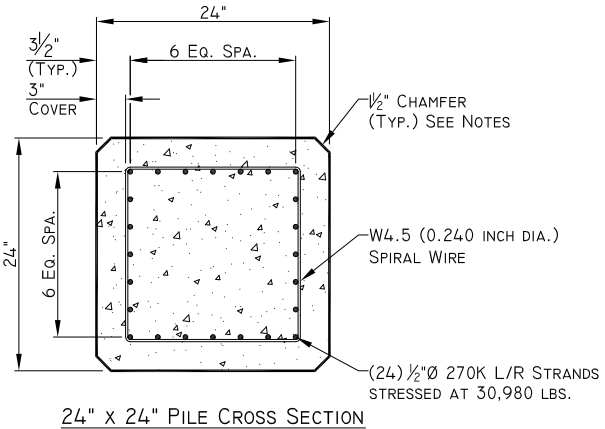
16" x 16" PILE CROSS SECTION



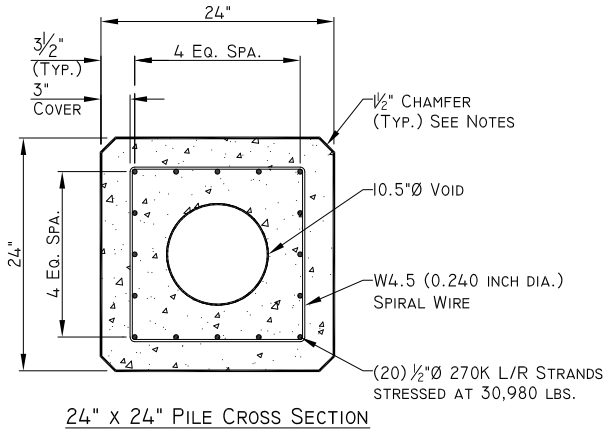
18" x 18" PILE CROSS SECTION



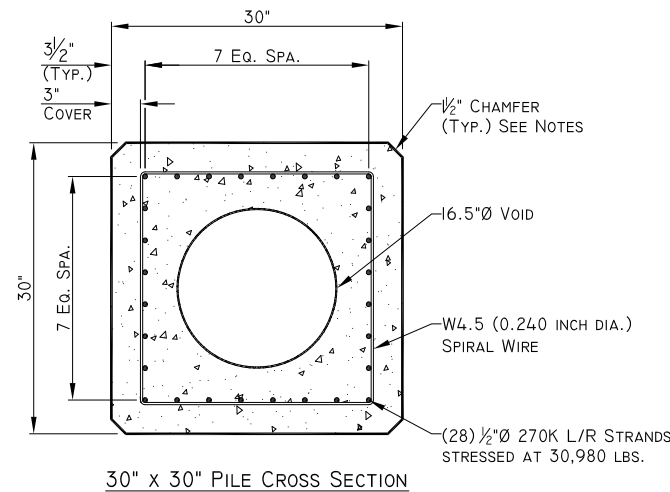
20" x 20" PILE CROSS SECTION



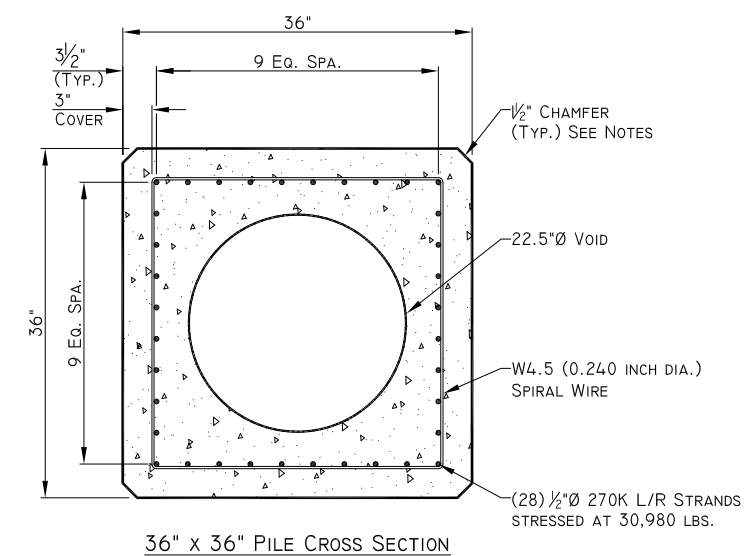
24" x 24" PILE CROSS SECTION



24" x 24" PILE CROSS SECTION



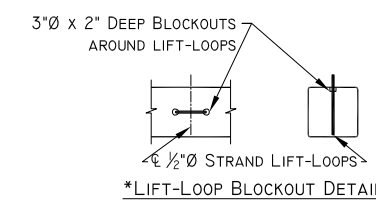
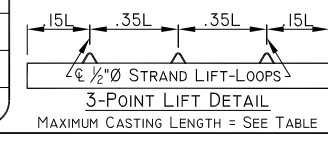
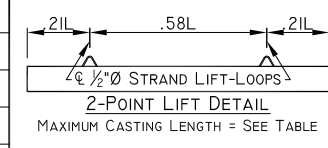
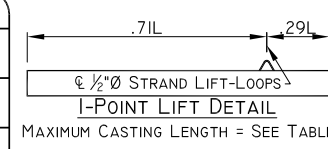
30" x 30" PILE CROSS SECTION



36" x 36" PILE CROSS SECTION

TABLE OF PROPERTIES FOR PRESTRESSED CONCRETE PILES

PILE SIZE (IN.)	AREA OF PILE SECTION (IN. ²)	VOID (IN.)	I (IN. ⁴)	WEIGHT LB./FT.	PRESTRESSING		MAXIMUM CASTING LENGTH FOR HANDLING			
					No.	INITIAL PRESTRESS FORCE	CONCRETE FINAL PRESTRESS 15% LOSS	1-POINT	2-POINT	3-POINT
12" SOLID	144	-	-	150	4	-	-	53.3	76.0	105.0
14" SOLID	196	-	-	204	8	-	-	66.0	93.4	130.4
16" SOLID	256	-	-	267	12	-	-	67.6	95.7	136.7
18" SOLID	324	-	-	338	12	-	-	72.0	102.7	142.5
20" SOLID	400	-	-	417	16	-	-	78.4	111.3	154.6
24" SOLID	576	-	-	600	24	-	-	86.7	122.7	172.0
24" VOIDED	489	10.5	-	510	20	-	-	92.9	131.4	183.2
30" VOIDED	686	16.5	-	715	28	-	-	107.8	152.6	212.5
36" VOIDED	898	22.5	-	936	36	-	-	120.6	170.9	237.9



*NOTE:
ALL EMBEDDED LIFTING LOOPS SHALL BE PROVIDED WITH 2" DEEP FOAM BLOCKOUTS. PRIOR TO TRANSPORT, LIFTING LOOPS SHALL BE REMOVED TO PROVIDE 2" MINIMUM CLEAR COVER. THE REMAINING CAVITIES SHALL BE CLEAR OF ALL SLAG AND LOOSE MATERIAL AND THEN FILLED WITH A PATCHING MATERIAL FROM QPL No. 49. THE PATCHING MATERIAL MUST MEET OR EXCEED PILE CONCRETE REQUIREMENTS FOR STRENGTH AND PERMEABILITY.

- PRESTRESSED PILE NOTES:
- CONCRETE SHALL HAVE A COMPRESSIVE CYLINDER STRENGTH OF 6,000 PSI AT 28-DAYS AND ALSO SHALL HAVE A MINIMUM COMPRESSIVE CYLINDER STRENGTH OF 4,500 PSI PRIOR TO THE DETENSIONING OF PRE-STRESSING STRANDS.
 - REINFORCING SPIRAL WIRE SHALL BE W4.5 (0.240 DIA.) AND SHALL CONFORM TO ASTM DESIGNATION A-82.
 - PRE-STRESSING STRAND SHALL BE 1/2"Ø 270K LOW-RELAXATION, SEVEN WIRE STRAND, AND SHALL CONFORM TO ASTM DESIGNATION A-416.
 - ALL CORNERS SHALL BE CHAMFERED AS SHOWN IN THE CROSS SECTIONS, OR, IN LIEU OF CHAMFERING, CORNERS MAY BE ROUNDED TO A 1" RADIUS.
 - PRIOR TO TRANSPORTATION ALL PILES SHALL BE HELD AT THE PLANT FOR 14 DAYS AFTER CASTING AND SHALL ATTAIN A MINIMUM OF 6,000 PSI.

BY	DATE	DESCRIPTION



FABRICATION PLANT
GULF COAST PRE-STRESS PARTNERS
PASS CHRISTIAN, MISSISSIPPI

ENGINEER
GULF COAST PRE-STRESS PILE STANDARDS
PASS CHRISTIAN, MISSISSIPPI

JOB NUMBER:
GCP PILE STD.

DRAWING:

SHEET NUMBER:
1 OF 1

DATE:
1-22-2015

DRAWN BY:
B.E.C.

CHECKED:
A.L.