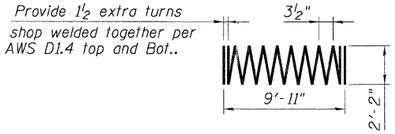
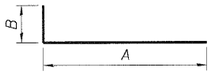


Length = 251'-11"

BAR sp10(E)

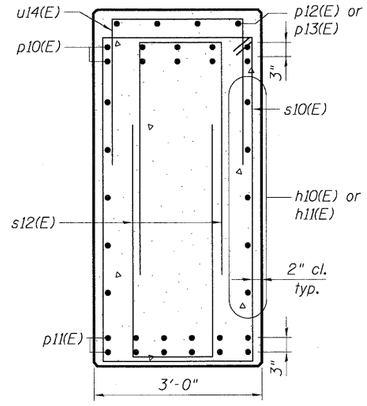
(For information only - length calculated as continous bar ignoring splices)



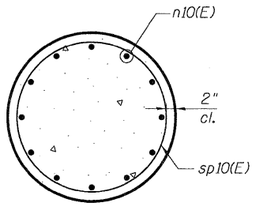
A & B DIMENSIONS

Bar	A	B
n10(E)	18'-9"	1'-4"
s14(E)	9'-11"	1'-2"

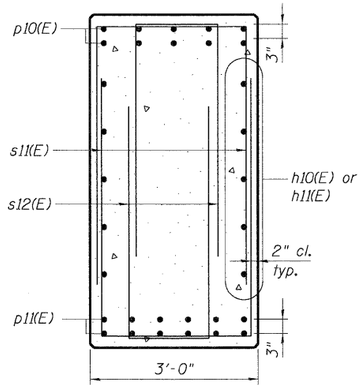
BARS n10(E) & s14(E)



SECTION A-A

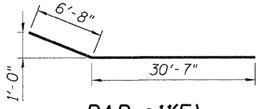


SECTION B-B

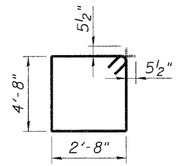


SECTION C-C

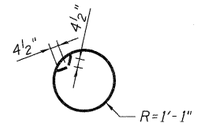
BAR n11(E)



BAR p11(E)



BAR s10(E)

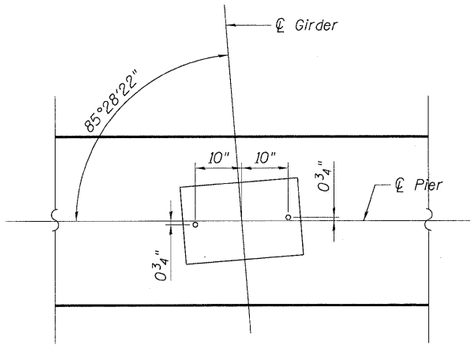


BAR s15(E)

PIER 1
BAR LIST

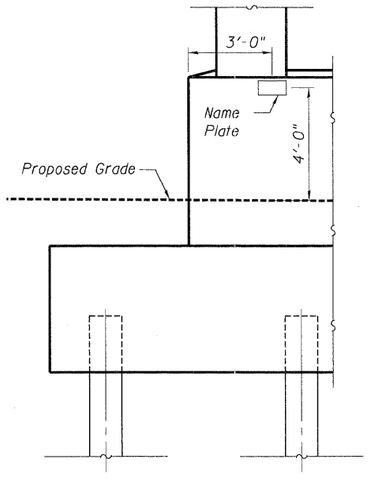
Bar	No.	Size	Length	Shape
h10(E)	20	#5	30'-0"	——
h11(E)	10	#5	8'-2"	——
h12(E)	36	#6	27'-6"	——
h13(E)	12	#5	34'-8"	——
h14(E)	6	#5	11'-8"	——
n10(E)	60	#8	20'-1"	⌊
n11(E)	18	#7	9'-2"	⊃
p10(E)	20	#9	36'-4"	——
p11(E)	24	#9	37'-3"	⟋
p12(E)	4	#5	19'-10"	——
p13(E)	4	#5	31'-4"	——
s10(E)	54	#5	15'-7"	□
s11(E)	24	#5	10'-0"	⊔
s12(E)	128	#5	8'-10"	⊔
s13(E)	102	#5	7'-10"	⊔
s14(E)	204	#7	11'-1"	⌊
s15(E)	40	#4	8'-4"	○
** sp10(E)	5	#4	9'-11"	∿∿
t10(E)	143	#8	11'-8"	——
u10(E)	15	#5	9'-4"	⊃
u11(E)	16	#6	10'-4"	⊃
u12(E)	26	#5	9'-9"	⊔
u13(E)	136	#5	9'-11"	⊔
u14(E)	51	#5	6'-10"	⊔
v10(E)	18	#5	5'-10"	——
w10(E)	54	#5	35'-2"	——

** Length is the height of the spiral

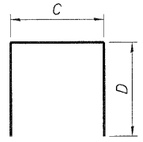


ANCHOR BOLT DETAIL

See Sht. SA-21 for Anchor Bolt size and spacing



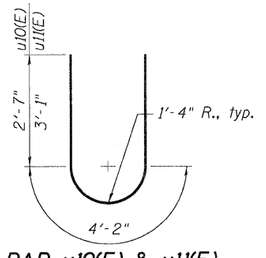
NAME PLATE DETAIL



C & D DIMENSIONS

Bar	C	D
s11(E)	2'-8"	3'-8"
s12(E)	1'-6"	3'-8"
s13(E)	2'-8"	2'-7"
u12(E)	3'-11"	2'-11"
u13(E)	4'-1"	2'-11"
u14(E)	2'-4"	2'-3"

BARS s11(E), s12(E), s13(E), u12(E), u13(E) & u14(E)



BAR u10(E) & u11(E)

PIER 1
BILL OF MATERIAL

Item	Unit	Total
Concrete Structures	Cu. Yd.	218.7
Reinforcement Bars, Epoxy Coated	Pound	29,780
Furnishing Metal Shell Piles 14"X0.250"	Foot	1,577
Driving Piles	Foot	1,577
Test Pile Metal Shells	Each	1
Structure Excavation	Cu. Yd.	263
Concrete Sealer	Sq. Ft.	2,080
Name Plate	Each	1

..\B20328-CONN-18-001-PI.DGN, ..\B20328-CONN-18-001-PI.DGN, ..\B20328-CONN-18-001-PI.DGN, ..\B20328-CONN-99-001-BD.DGN, ..\B20328-CONN-18-001-PI.DGN, ..\B20328-CONN-18-002-SHT-PI.DGN
5-11-2011, 9:53:40 NEWMANMD \\FS-0044\VM\VAULT_D-TRANS 07\2202\20866-001\STRUCT\CADD\01 DESIGN\B20232B\SHEET\B20232B-CONN-18-002-SHT-PI.DGN

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - MDJ	REVISED -
		DRAWN - MDJ	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - JLR	REVISED -
TENG TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS	PLOT DATE = $DATE$	DATE - 05/13/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL 3 OVER I-70

PIER 1
SECTIONS & DETAILS

SCALE: | SHEET NO. SA-27 OF SA-57 | STA. 1683+43.17 TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
998	82-2-1HVB-1	ST. CLAIR	345	162
	SN 082-0328	CONTRACT NO. 76D05		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		