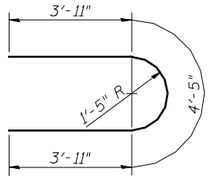
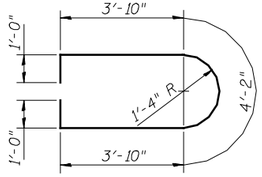
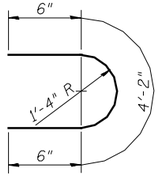


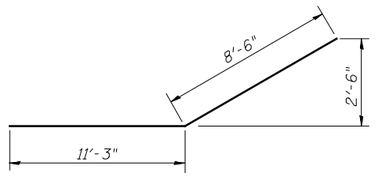
BAR u_{10} (E)



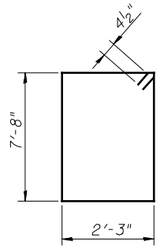
BAR u_{11} (E)



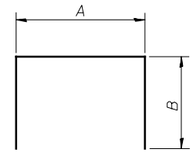
BAR u_{12} (E)



BAR p_{11} (E)



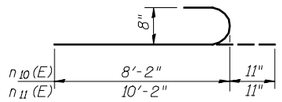
BAR s_{15} (E)



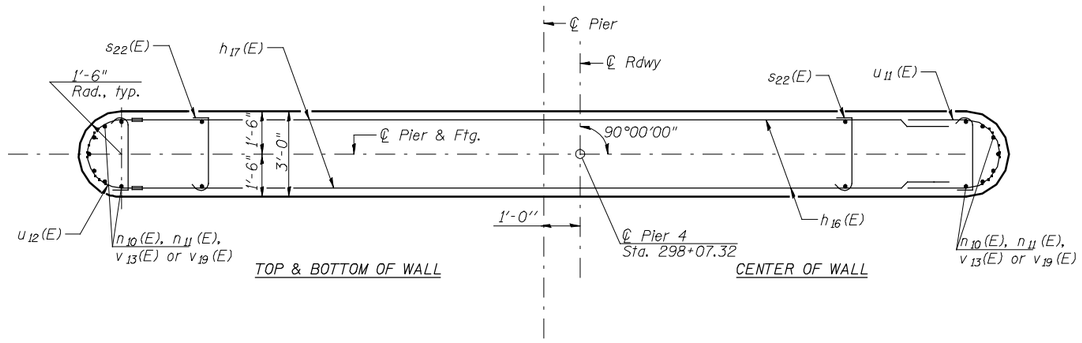
BARS s_{12} (E). s_{13} (E), & s_{14} (E)

A & B DIMENSIONS

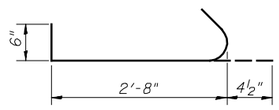
Bar	A	B
s_{12}(E)	2'-3"	4'-1"
s_{13}(E)	2'-3"	4'-7"
s_{14}(E)	2'-3"	5'-3"



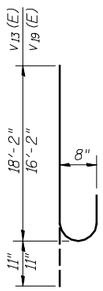
BAR n_{10}(E) & n_{11}(E)



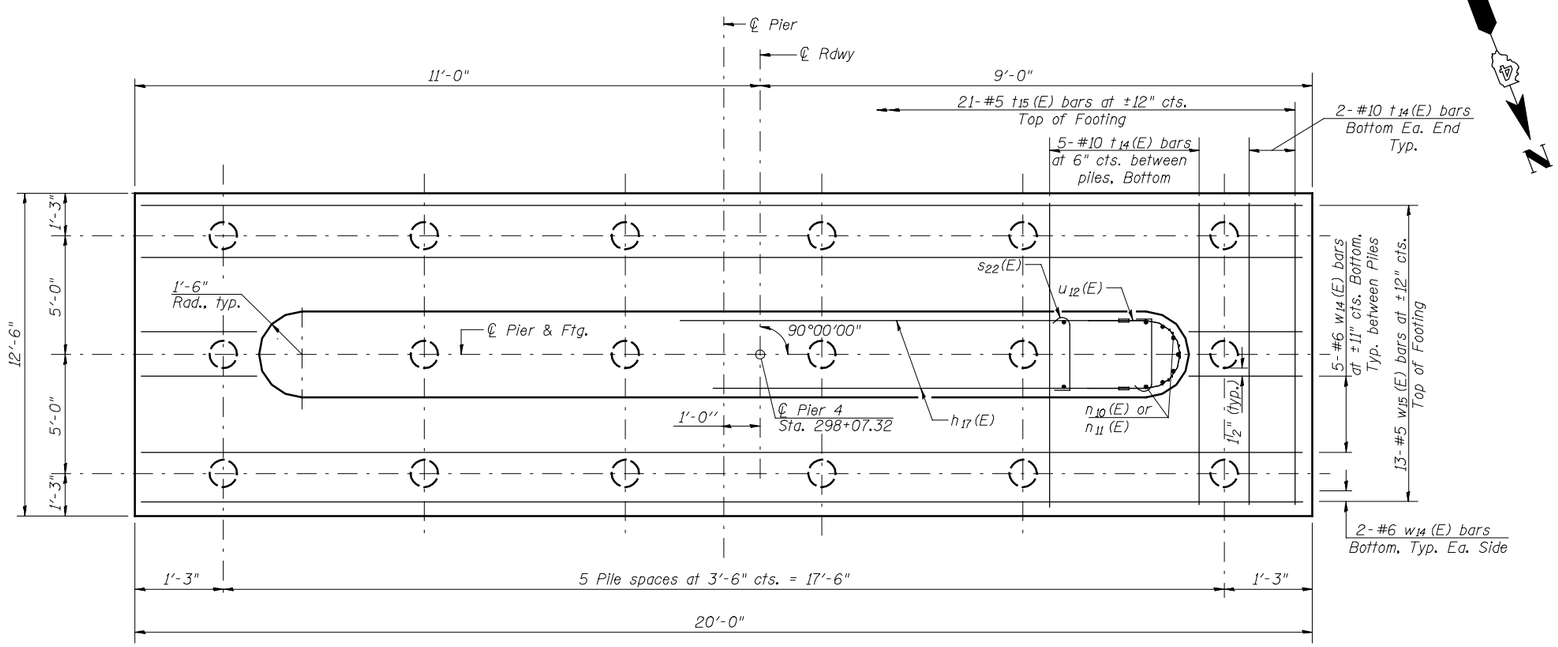
SECTION B-B



BAR s_{22}(E)



BAR v_{13}(E) & v_{19}(E)



FOOTING PLAN

PIER 4
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h_{10}(E)	10	#7	33'-8"	——
h_{11}(E)	2	#7	31'-8"	——
h_{12}(E)	2	#7	27'-0"	——
h_{13}(E)	2	#7	22'-0"	——
h_{16}(E)	26	#6	14'-0"	——
h_{17}(E)	40	#6	13'-0"	——
n_{10}(E)	28	#8	9'-1"	⊃
n_{11}(E)	28	#8	11'-1"	⊃
p_{10}(E)	16	#9	33'-8"	——
p_{11}(E)	10	#8	19'-9"	—/
s_{12}(E)	24	#5	10'-5"	□
s_{13}(E)	32	#5	11'-5"	□
s_{14}(E)	32	#5	12'-9"	□
s_{15}(E)	36	#4	20'-7"	□
s_{22}(E)	119	#3	3'-7"	⊔
t_{14}(E)	29	#10	12'-2"	——
t_{15}(E)	21	#5	12'-2"	——
u_{10}(E)	12	#6	12'-3"	⊃⊂
u_{11}(E)	26	#6	13'-10"	⊃⊂
u_{12}(E)	40	#6	5'-2"	⊃⊂
v_{13}(E)	28	#8	19'-1"	⊃
v_{19}(E)	28	#8	17'-1"	⊃
w_{14}(E)	14	#6	19'-8"	——
w_{15}(E)	13	#5	19'-8"	——
Structure Excavation		CU YD	76	
Concrete Structures		CU YD	104.7	
Reinforcement Bars, Epoxy Coated		POUND	13,660	
Furnishing Metal Pile Shells 14"x 0.312"		FOOT	714	
Driving Piles		FOOT	714	
Test Pile Metal Shells		EACH	1	
Pile Shoes		EACH	18	

Hutchison Engineering, Inc.
Jacksonville, Peoria, & Shorewood, Illinois

USER NAME = Jdeen	DESIGNED - JOH	REVISED -
PLOT SCALE = NONE	CHECKED - BAN	REVISED -
PLOT DATE = 7/25/2013	DRAWN - TAC	REVISED -
	CHECKED - JOH/BAN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER 4 DETAILS
STRUCTURE NO. 062-0086
SHEET NO. 48 OF 62 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	125(VBR)BR	MARSHALL	148	73
		CONTRACT NO. 68580		
	ILLINOIS FED. AID PROJECT			

v:\transportation\3013\cadd_sheets\0620086-68580-048 -PIER 4 DETAILS.dgn