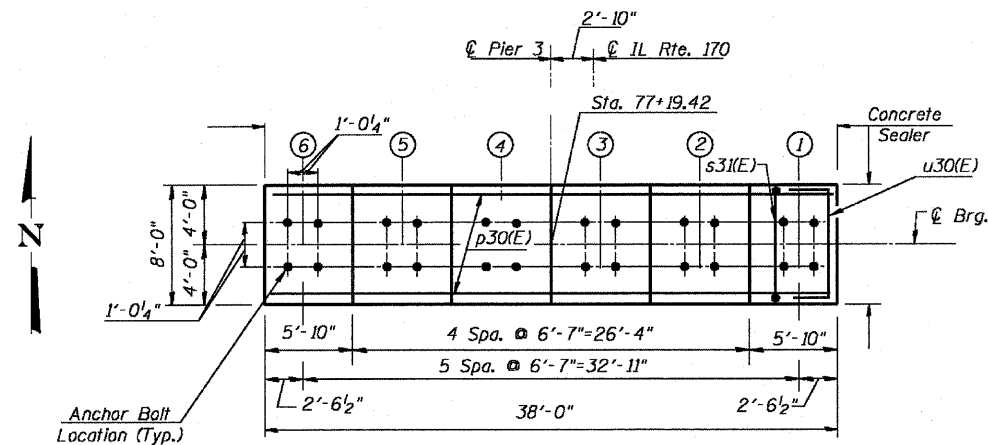
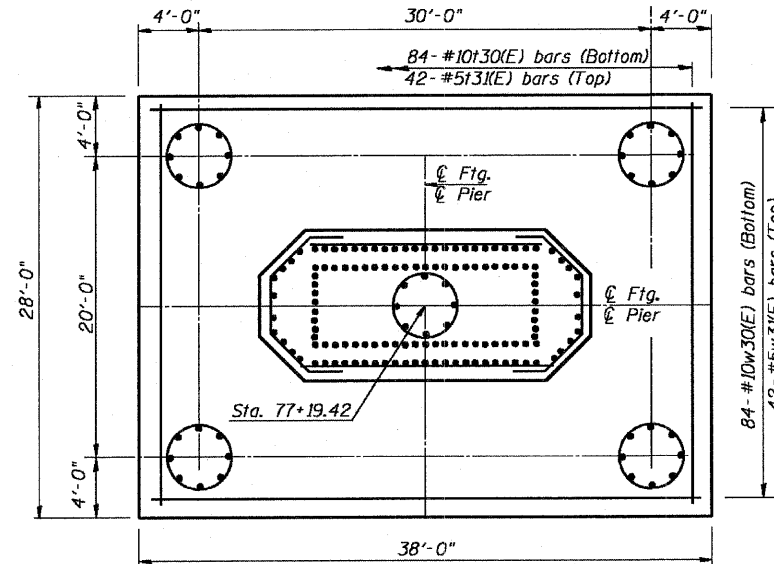


Contract # 66607



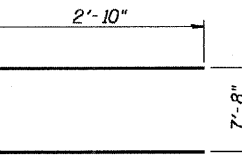
TOP PLAN

Anchor Bolt Location (Typ.)

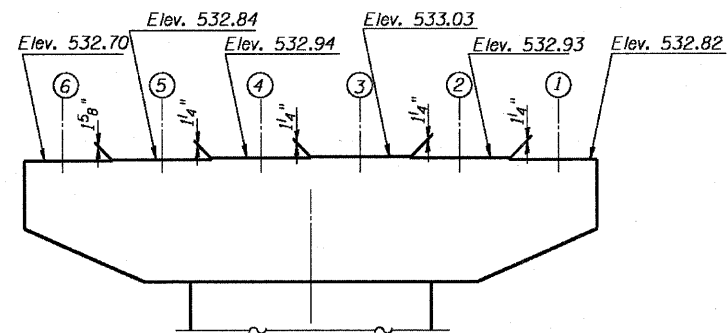


FOOTING PLAN

BAR s30(E)



BAR u30(E)

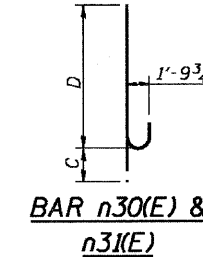


TOP OF PIER
(Showing Steps Elevations)

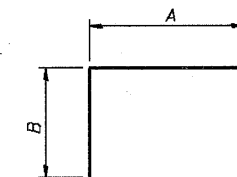
C & D DIMENSIONS

Bar	C	D
n30(E)	2'-3"	12'-0"
n31(E)	2'-3"	15'-0"

BARS nxx(E)



BAR n30(E) & n31(E)

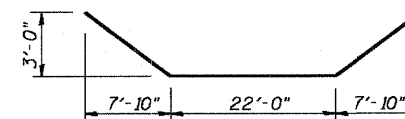


BARS sx(E)

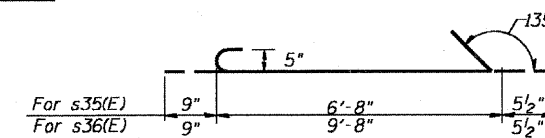
A & B DIMENSIONS

Bar	A	B
s31(E)	5'-2"	4'-8"
s32(E)	6'-8"	2'-10"
s34(E)	7'-8"	2'-6"
s37(E)	5'-2"	5'-5"

BARS syy(E)



BAR p31(E)



BAR s35(E) and s36(E)

VESSEL COLLISION FORCES

Load Case 1
Static Load = 2800K
Elevation = 500.13 ft (Barge Bow Rake 6' above MHW)
Direction = Parallel to Pier & Navigational Channel

Load Case 2
Static Load = 1400K
Elevation = 500.13 ft (Barge Bow Rake 6' above MHW)
Direction = Perpendicular to Pier & Navigational Channel

Note: Load Cases are considered independently
Load Combination 1.0(1.0D)+1.0P+1.0B+1.0SF+1.0E)

DESIGNED - RJC
CHECKED - DEV
DRAWN - JHR
CHECKED - DEV

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h30(E)	12	#6	37'-8"	—
h31(E)	2	#6	32'-8"	—
h32(E)	48	#6	15'-8"	—
h33(E)	60	#6	16'-0"	—
h34(E)	2	#6	27'-4"	—
h35(E)	9	#5	19'-5"	—
n30(E)	66	#14	14'-3"	—
n31(E)	64	#14	17'-3"	—
p30(E)	20	#14	37'-8"	—
p31(E)	6	#9	37'-10"	—
s30(E)	64	#6	27'-0"	—
s31(E)	100	#6	14'-6"	—
s32(E)	48	#6	12'-4"	—
s33(E)	60	#6	17'-8"	—
s34(E)	19	#4	12'-8"	—
s35(E)	168	#5	7'-11"	—
s36(E)	210	#5	10'-10"	—
s37(E)	36	#6	16'-0"	—
sp30	5	#5	1084'-0"	—
t30(E)	84	#10	27'-8"	—
t31(E)	42	#5	27'-8"	—
u30(E)	12	#6	13'-4"	—
v30(E)	66	#14	26'-6"	—
v31(E)	64	#14	23'-3"	—
v32(E)	32	#14	33'-0"	—
v33(E)	30	#14	36'-0"	—
v34(E)	32	#14	28'-8"	—
v35(E)	30	#14	24'-8"	—
v36	100	#11	36'-3"	—
w30(E)	84	#10	37'-8"	—
w31(E)	42	#5	37'-8"	—
Cofferdam Excavation	Cu. Yd.		548	
Concrete Structures	Cu. Yd.		162	
Reinforcement Bars, Epoxy Coated	Pound		118,340	
Reinforcement Bars	Pound		24,920	
Drilled Shaft in Rock	Cu. Yd.		107	
Mechanical Splice	Ea.		192	

Notes:

1. Work this Sheet with Sheet 70
2. Space reinforcement in cap to miss anchor balls. Pour steps monolithically with cap.
3. Cofferdam Struts are not allowed to pass through Foundation.
4. Final Design & Dimensions of Cofferdams are the Responsibility of the Contractor.

PIER 3 DETAILS
IL. 170 F.A.P. 786 OVER
ILLINOIS RIVER AT SENECA
PUBLIC WATERS
LA SALLE COUNTY, SECTION 109 BR
STATION 79+04.42
STRUCTURE NO. 050-0246

REVISÉD 2/27/08