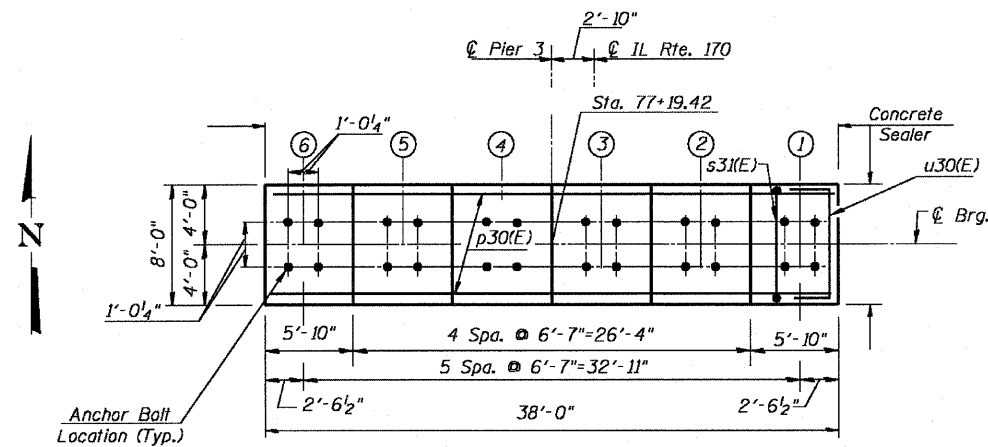


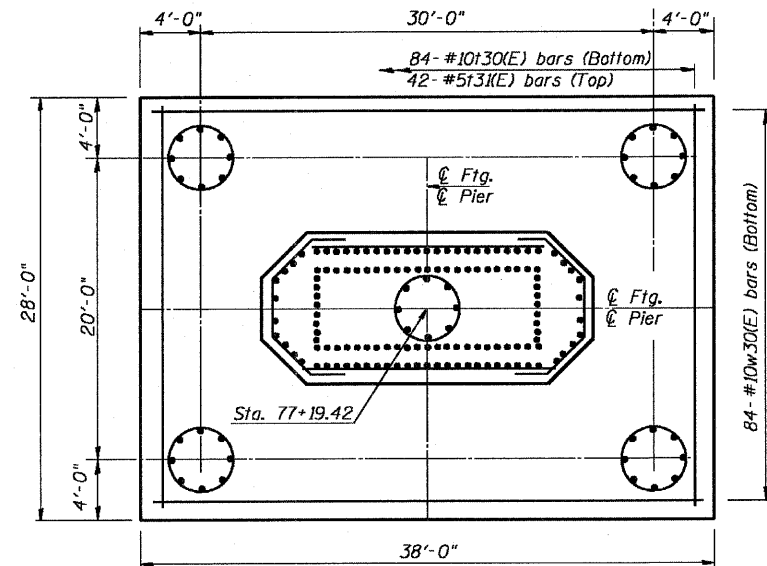
Contract # 66607

**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h30(E)	12	#6	37'-8"	—
h3(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"	—
n3(E)	64	#14	17'-3"	—
p30(E)	20	#14	37'-8"	—
p3(E)	6	#9	37'-10"	—
s30(E)	64	#6	27'-0"	—
s3(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"	—
t3(E)	42	#5	27'-8"	—
u30(E)	12	#6	13'-4"	—
v30(E)	66	#14	26'-6"	—
v3(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"	—
w3(E)	42	#5	37'-8"	—
Cofferdam Excavation		Cu. Yd.	548	
Concrete Structures		Cu. Yd.	868	
Reinforcement Bars, Epoxy Coated		Pound	118,340	
Reinforcement Bars		Pound	24,920	
Drilled Shaft in Rock		Cu. Yd.	107	
Mechanical Splice		Ea.	192	

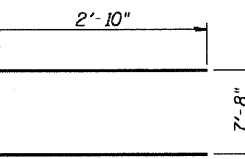


**TOP PLAN**

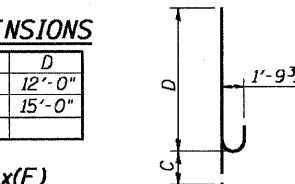


**FOOTING PLAN**

**BAR s30(E)**



**BAR u30(E)**

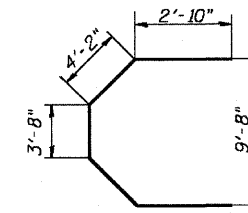


**C & D DIMENSIONS**

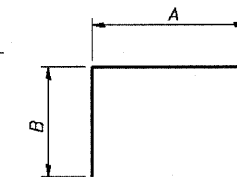
Bar	C	D
n30(E)	2'-3"	12'-0"
n3(E)	2'-3"	15'-0"

**BARS nxx(E)**

**BAR n30(E) & n3(E)**



**BAR s33(E)**

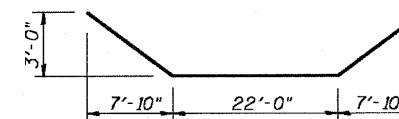


**BARS sx(E)**

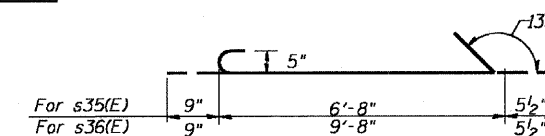
**A & B DIMENSIONS**

Bar	A	B
s3(E)	5'-2"	4'-8"
s32(E)	6'-8"	2'-10"
s34(E)	7'-8"	2'-6"
s37(E)	5'-2"	5'-5"

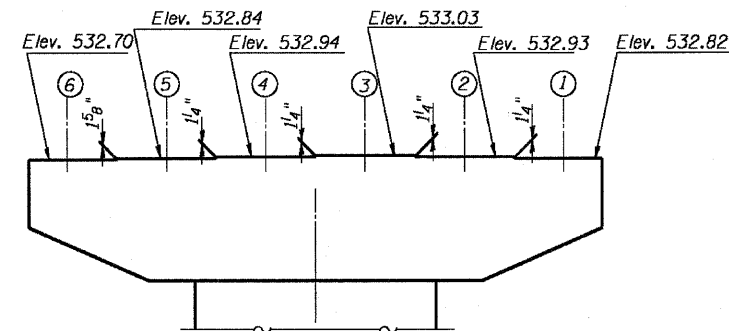
**BARS syy(E)**



**BAR p3(E)**



**BAR s35(E) and s36(E)**



**TOP OF PIER**  
(Showing Steps Elevations)

**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

**Notes:**

- Work this Sheet with Sheet 70
- Space reinforcement in cap to miss anchor bolts. Pour steps monolithically with cap.
- Cofferdam Struts are not allowed to pass through Foundation.
- 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**