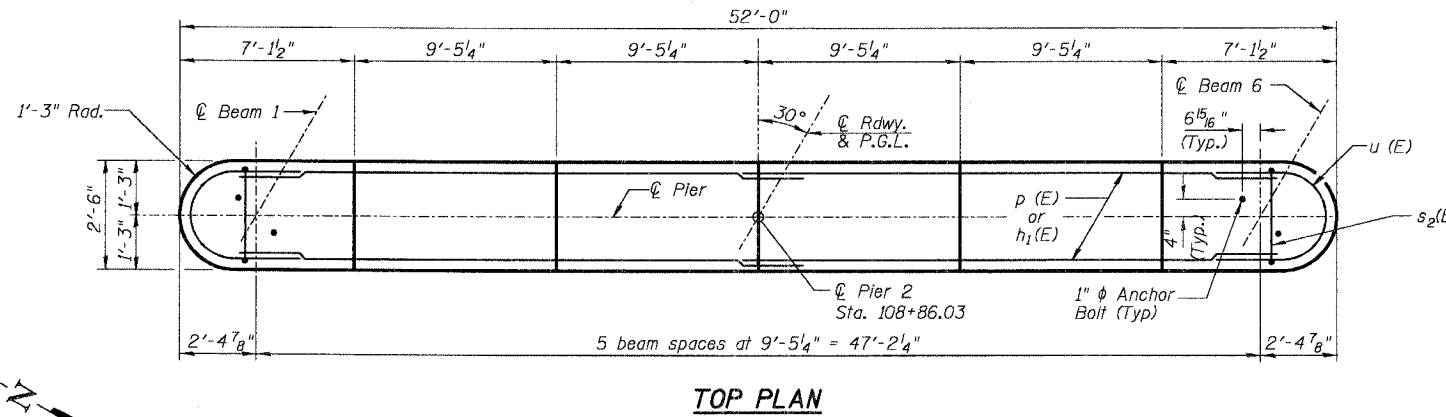
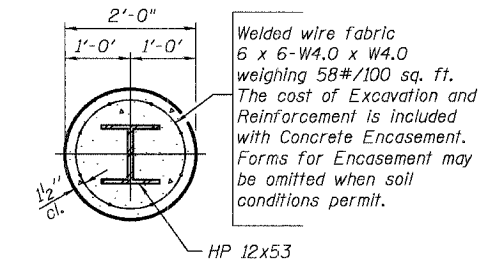


### PILE DATA

Type & Size: Steel HP 12x53  
 Nominal Required Bearing: Set in Rock  
 Allowable Resistance Available: 139.5 Kips  
 Est. Length: 25'-0"  
 No. Required: 12 + 0 Test Piles



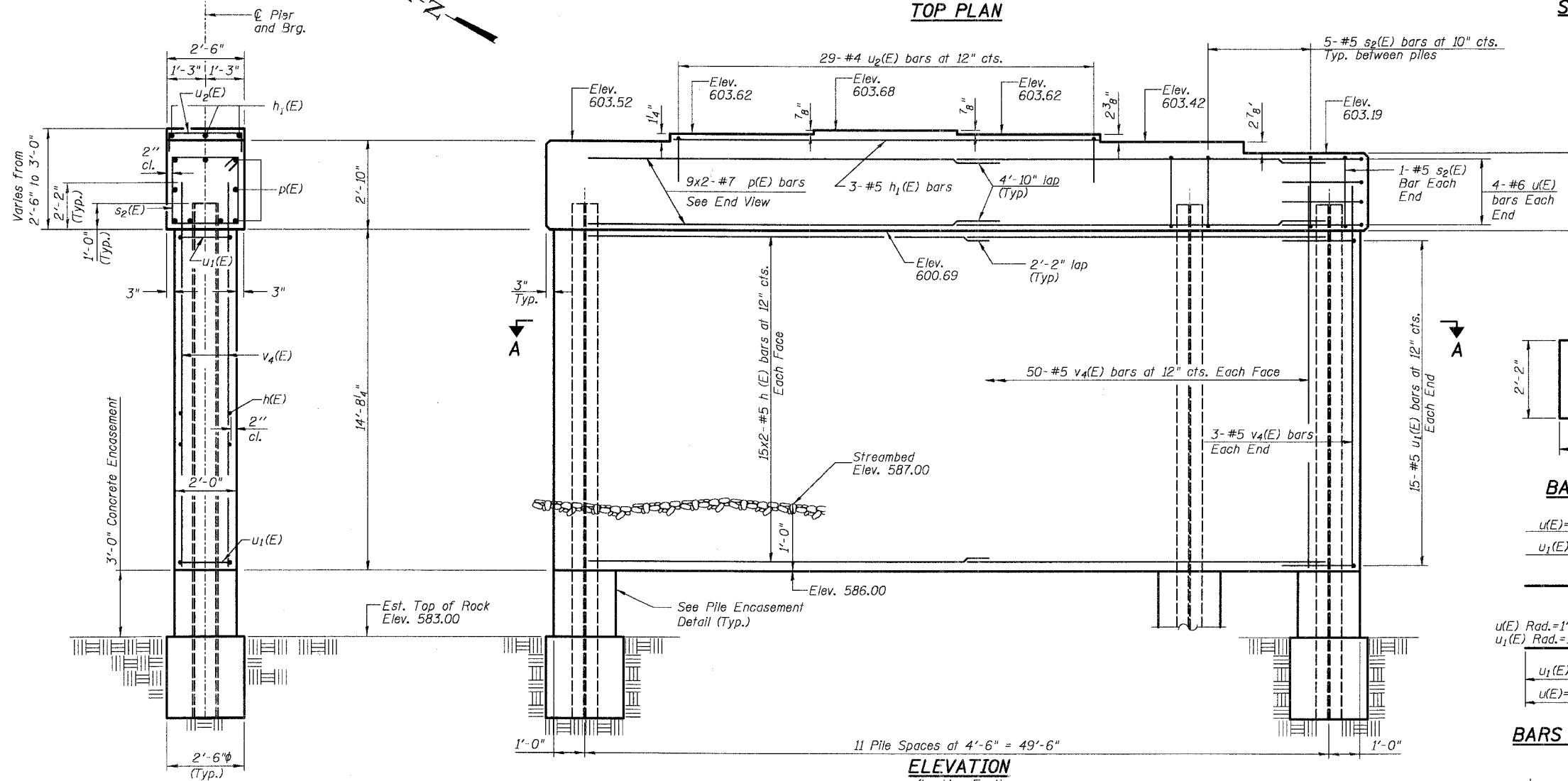
TOP PLAN



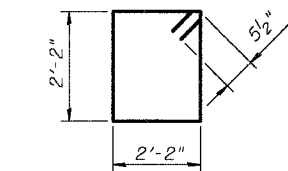
SECTION A-A

### PILE ENCASUREMENT DETAIL

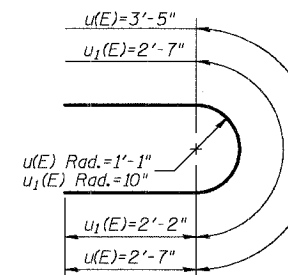
\* Form shall be placed below Elev. 586.00 after excavation for pier wall. Reinforcement and concrete encasement shall be poured underwater into forms. If a portion of the pier wall is underwater, concrete shall be tremied underwater into forms according to Article 503.08 of the Standard Specifications. Concrete shall be tremied to an elevation 1'-0" above the water level at the time of construction.



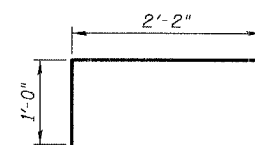
ELEVATION  
(Looking East)



BAR s2(E)



BARS u(E) & u1(E)



BAR u2(E)

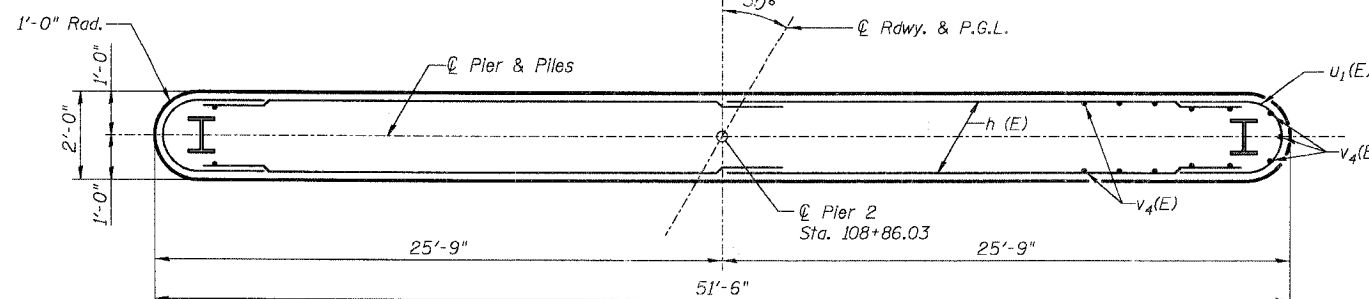
Notes:  
 Space reinforcement in cap to miss anchor bolts.  
 Pour steps monolithically with cap.

### BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	60	#5	25'-10"	—
h2(E)	3	#5	27'-11"	—
p(E)	18	#7	27'-2"	—
s2(E)	57	#5	9'-7"	□
u(E)	8	#6	8'-7"	U
u1(E)	30	#5	6'-11"	U
u2(E)	29	#4	4'-2"	□
v4(E)	106	#5	16'-8"	—
Concrete Structures		Cu. Yd.	69.1	
Reinforcement Bars, Epoxy Coated		Pound	5,520	
Structure Excavation		Cu. Yd.	12	
Furnishing Steel Piles HP 12x53		Foot	300	
Setting Piles in Rock		Each	12	
Concrete Encasement		Cu. Yd.	4.2	
Underwater Structure Excavation Protection, Location 2		Each	1	

Reinforcement Bars designated (E) shall be epoxy coated.

END VIEW



SECTION A-A

DESIGNED	KMA
CHECKED	AEU
DRAWN	MDJ
CHECKED	RGD