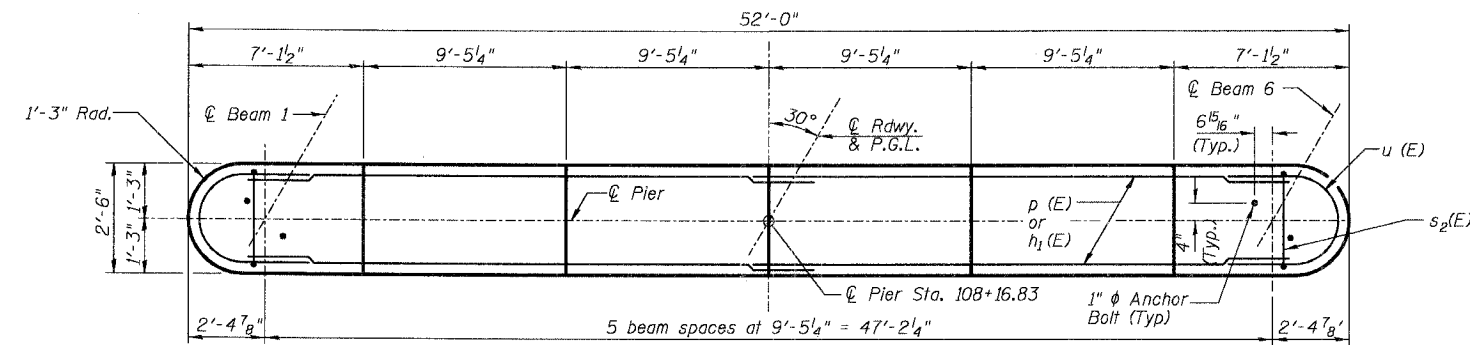
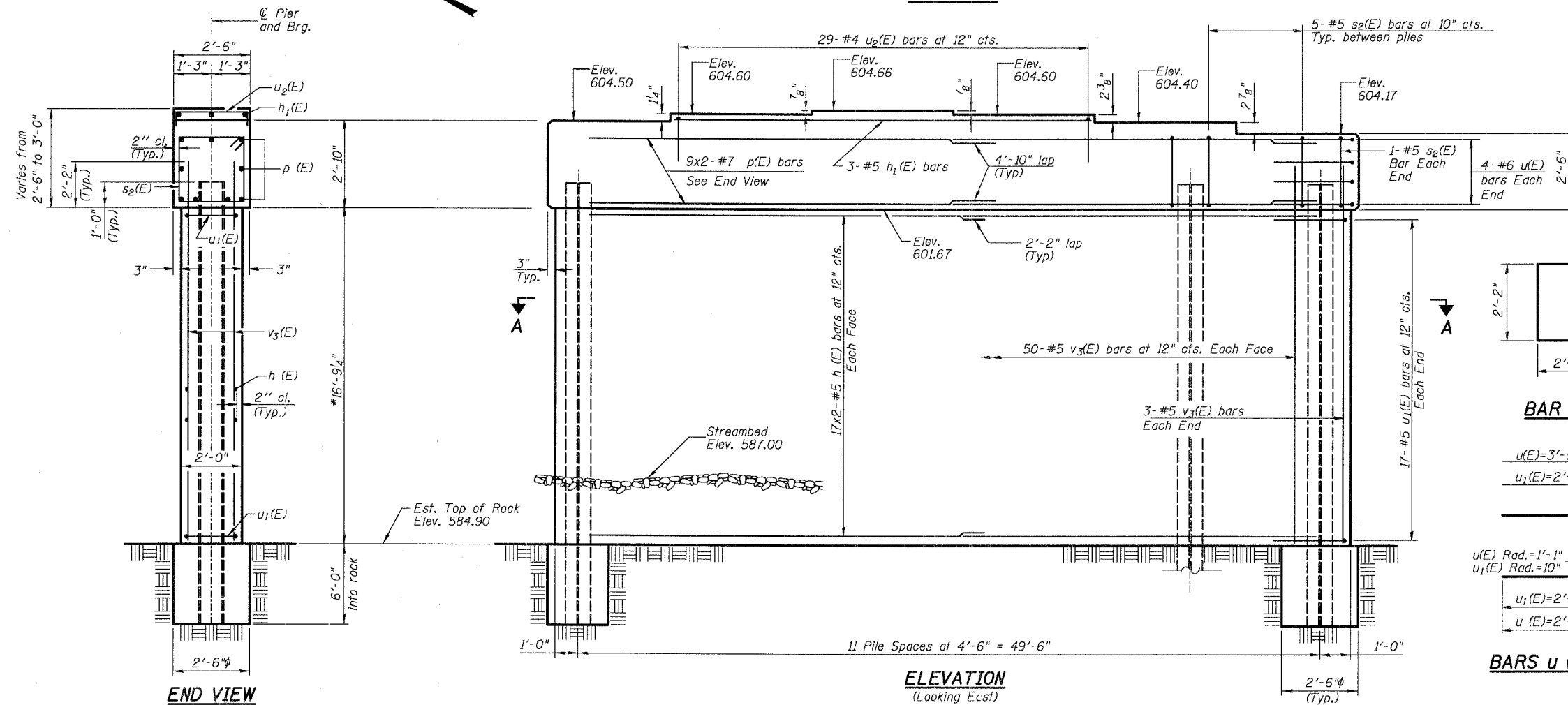


PILE DATA

Type & Size: Steel HP 12x53
 Nominal Required Bearing: Set in Rock
 Allowable Resistance Available: 139.5 Kips
 Est. Length: 24'-0"
 No. Required: 12 + 0 Test Piles

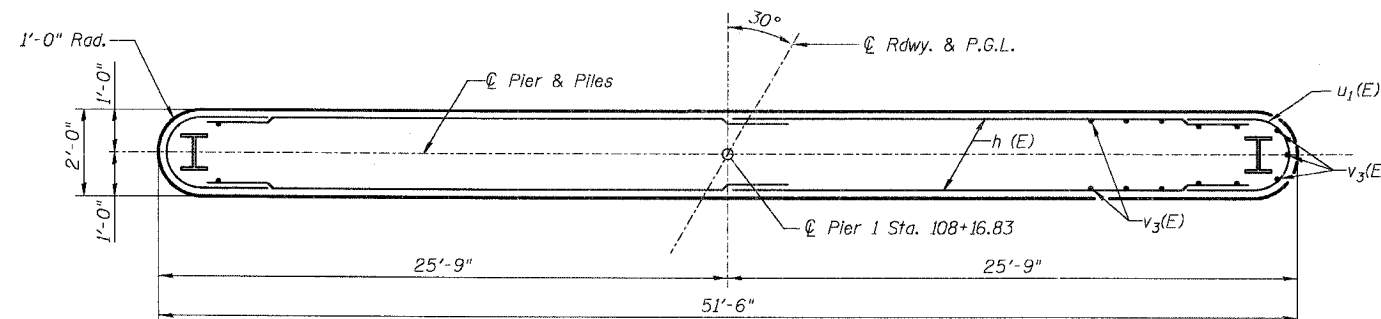


TOP PLAN



ELEVATION (Looking East)

END VIEW



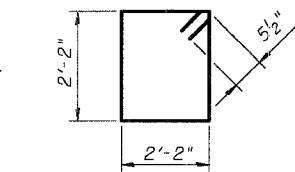
SECTION A-A

BILL OF MATERIAL

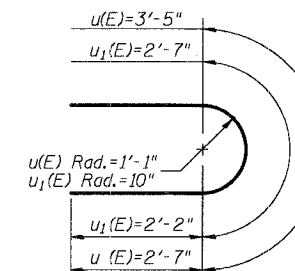
Bar	No.	Size	Length	Shape
h (E)	68	#5	25'-10"	—
h ₁ (E)	3	#5	27'-11"	—
p (E)	18	#7	27'-2"	—
s ₂ (E)	57	#5	9'-7"	□
u (E)	8	#6	8'-7"	U
u ₁ (E)	34	#5	6'-11"	U
u ₂ (E)	29	#4	4'-2"	□
v ₃ (E)	106	#5	18'-9"	—
Concrete Structures			Cu. Yd.	76.9
Reinforcement Bars, Epoxy Coated			Pound	5,990
Structure Excavation			Cu. Yd.	26
Furnishing Steel Piles HP 12x53			Foot	288
Setting Piles in Rock			Each	12
Underwater Structure Excavation Protection, Location 1			Each	1

Reinforcement Bars designated (E) shall be epoxy coated.

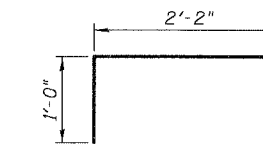
Notes:
 Space reinforcement in cap to miss anchor bolts.
 Pour steps monolithically with cap.



BAR s₂(E)



BARS u (E) & u₁(E)



BAR u₂(E)

* If a portion of the pier wall is under water, concrete shall be tremied under water 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.

DESIGNED	KMA
CHECKED	AEU
DRAWN	MDJ
CHECKED	RGD