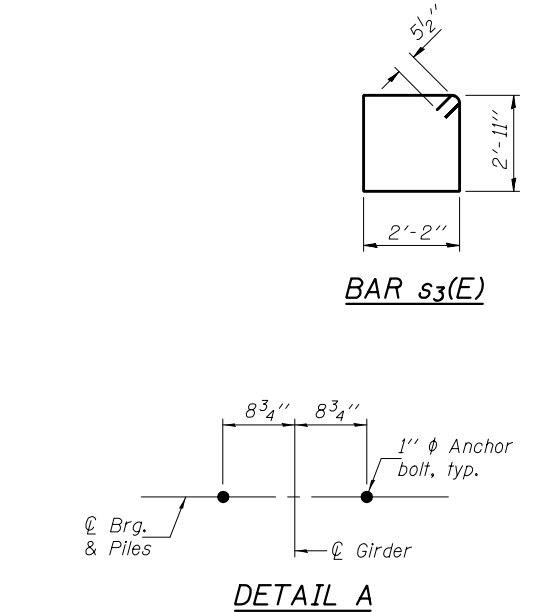
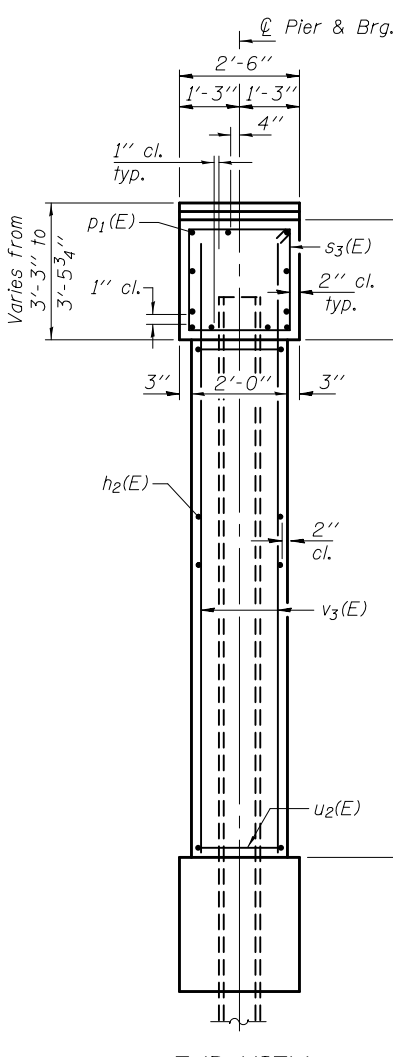
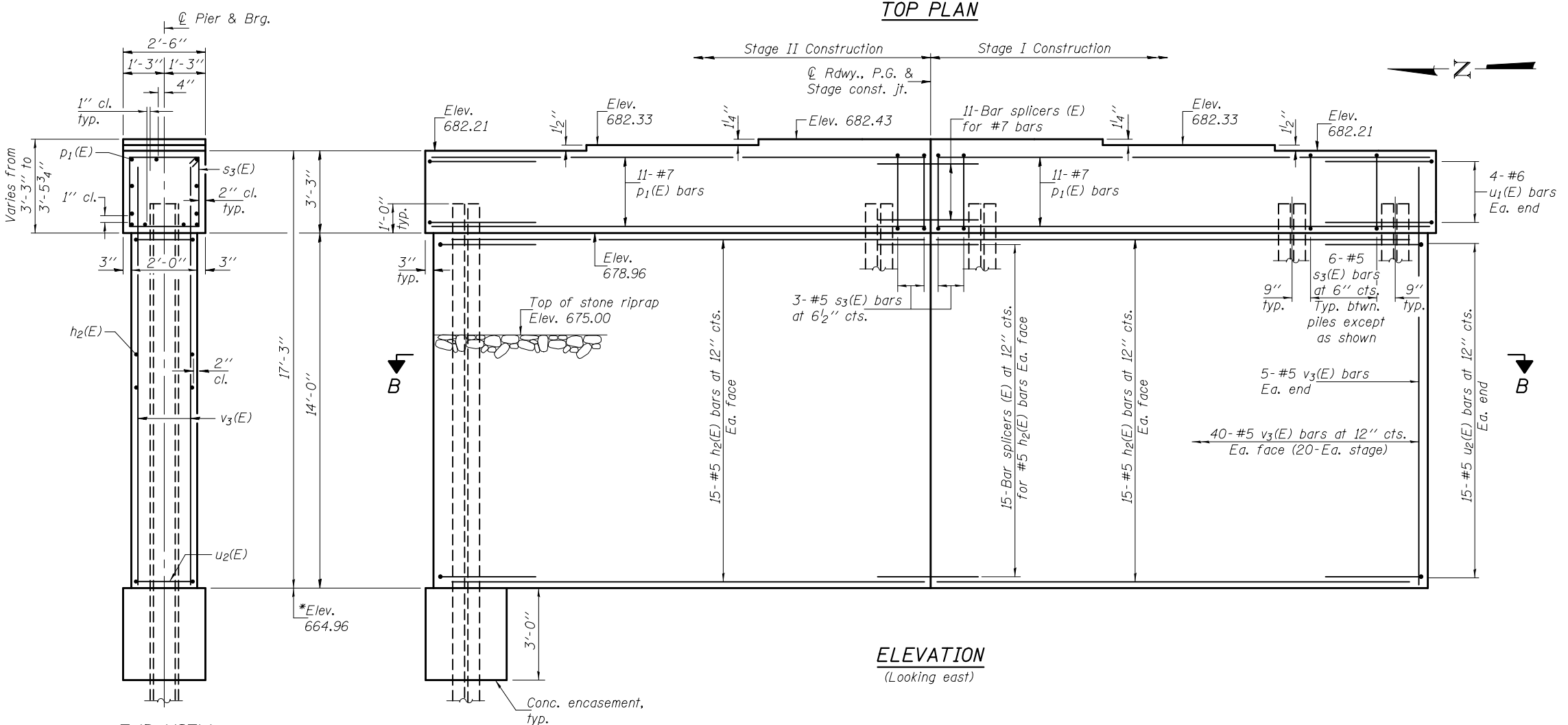
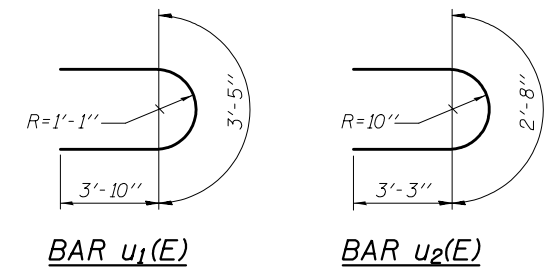
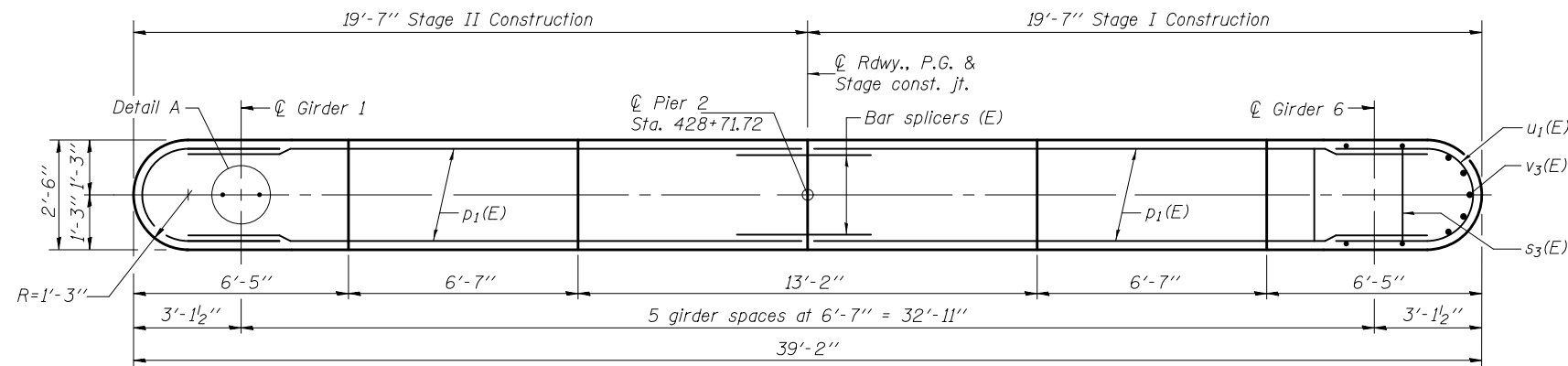


Notes: Pour steps monolithically with cap.
For bar splicer details, see sheet 23 of 30.

PILE DATA

Type: Steel HP14x73
Nominal Required Bearing: 480 Kips
Factored Resistance Available: 246 Kips
Est. Length: 94'
No. Production Piles: 9
No. Test Piles: 1



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
$h_2(E)$	60	#5	18'-2"	—
$p_1(E)$	22	#7	18'-2"	—
$s_3(E)$	54	#5	11'-1"	□
$u_1(E)$	8	#6	11'-1"	U
$u_2(E)$	30	#5	9'-2"	U
$v_3(E)$	90	#5	15'-9"	—
Concrete Structures	Cu. Yd.		51.9	
Structure Excavation	Cu. Yd.		94	
Reinforcement Bars, Epoxy Coated	Pound		4480	
Furnishing Steel Piles HP14x73	Foot		846	
Driving Piles	Foot		846	
Test Pile Steel HP14x73	Each		1	
Anchor Bolts, 1" ϕ	Each		12	
Concrete Encasement	Cu. Yd.		5.5	
Underwater Structure Excavation Protection Location 2	Each		1	

*Forms shall be placed below Elev. 664.96 after excavation for pier walls. Reinforcement and concrete encasement shall be placed underwater into forms. The cost of concrete encasement, reinforcement, form excavation, and furnishing and placing form is included with Concrete Encasement. If a portion of the pier wall is under water, concrete shall be trimmed under water into forms according to Article 503.08 of the Standard Specifications. Concrete shall be trimmed to an elevation 1'-0" above the water level at the time of construction.

