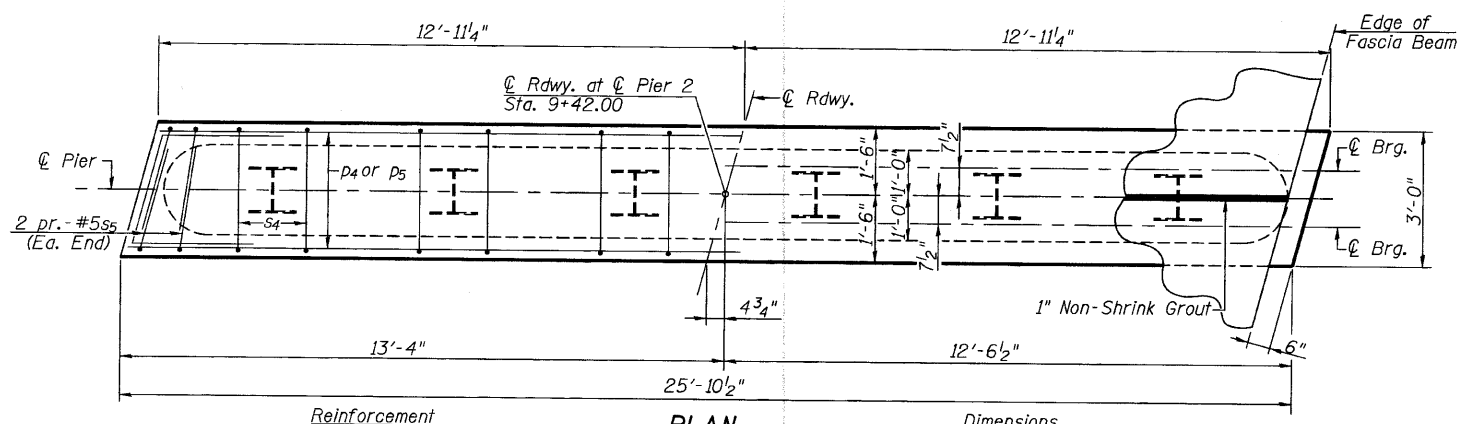
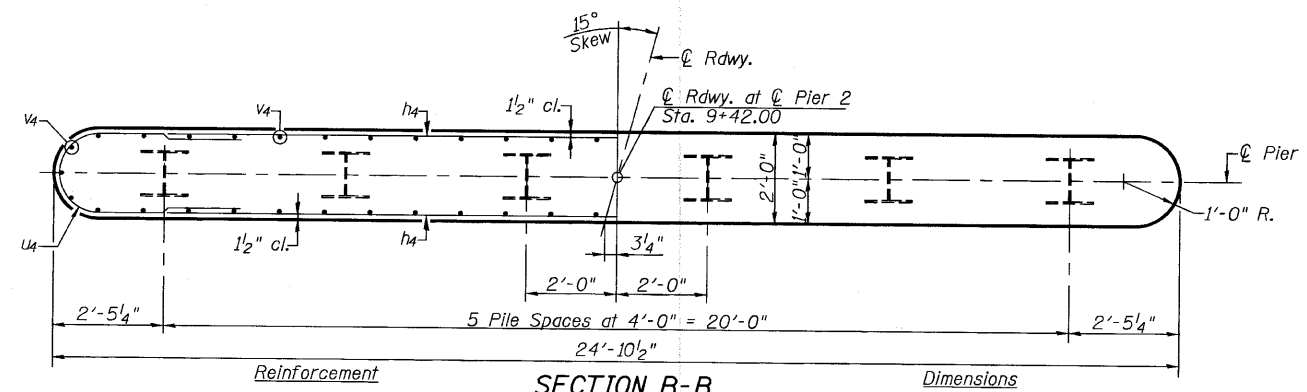


Reinforcement ELEVATION Dimensions



Reinforcement PLAN Dimensions



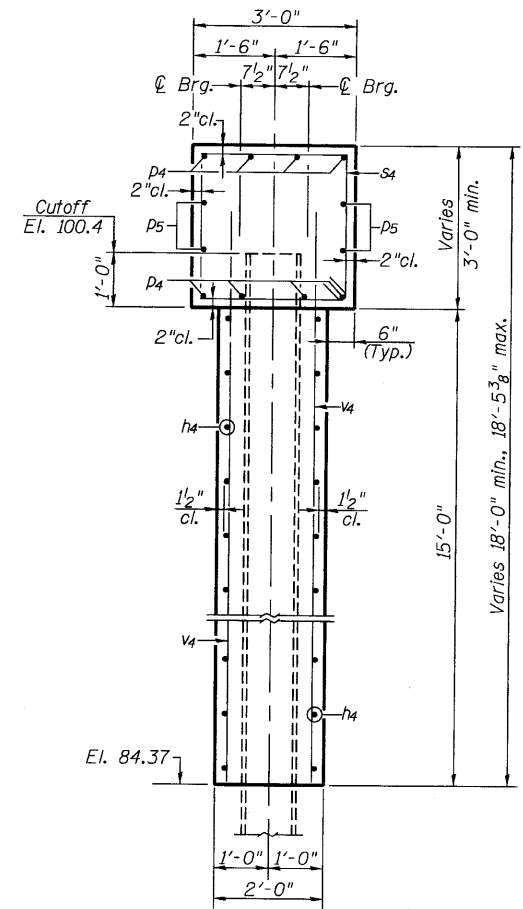
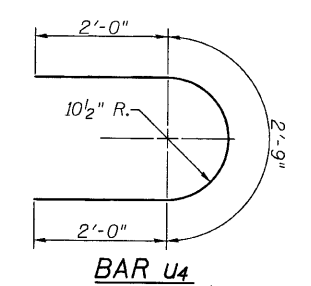
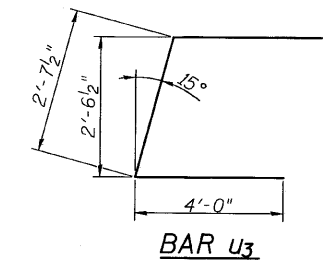
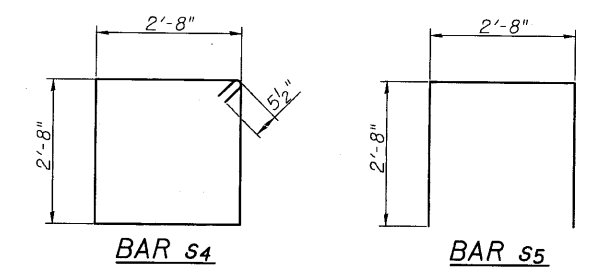
Reinforcement SECTION B-B Dimensions

PILE DATA

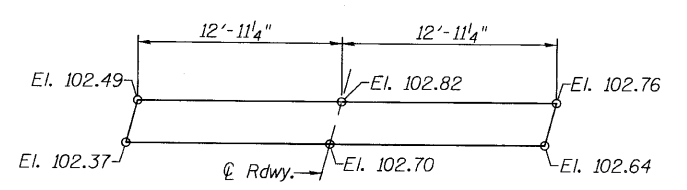
Pier 2
 Type: Steel HP 10x42
 Nominal Required Bearing: 335 Kips
 Factored Resistance Available: 167 Kips
 Estimated Pile Length: 59'
 Number of Production: 5
 Number of Test Piles: 1

NOTES

The Steel H-Piles shall be according to AASHTO M270, Grade 50.
 All exposed edges shall have standard 3/4" chamfer except as noted.
 Space reinforcement in pier caps to miss beam anchor dowels.
 The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at Pier 2 or at a location approved by the Engineer before ordering the remainder of piles.
 If a portion of the pier wall is under water, reinforcement may be placed underwater into forms. Concrete shall be tremied according to Article 503.08 of the Standard Specifications to an elevation of 1'-0" above the water line at the time of construction.



SECTION THRU PIER



BEARING SEAT DIAGRAM

BILL OF MATERIAL PIER 2

BAR NO.	SIZE	LENGTH	SHAPE
h4	#5	22'-10"	—
p4	#6	25'-6"	—
p5	#5	25'-6"	—
s4	#5	11'-7"	□
s5	#5	8'-0"	□
u3	#6	10'-8"	U
u4	#6	6'-9"	C
v4	#7	16'-9"	—
Concrete Structures			Cu. Yd. 36.5
Reinforcement Bars			Pound 3670
Furnishing Steel Piles, HP 10x42			Foot 295
Driving Piles			Foot 295
Test Pile Steel HP 10x42			Each 1
Underwater Structure Excavation			Each 1
Protection - Location 2			Each 1
Structure Excavation			Cu. Yd. 23