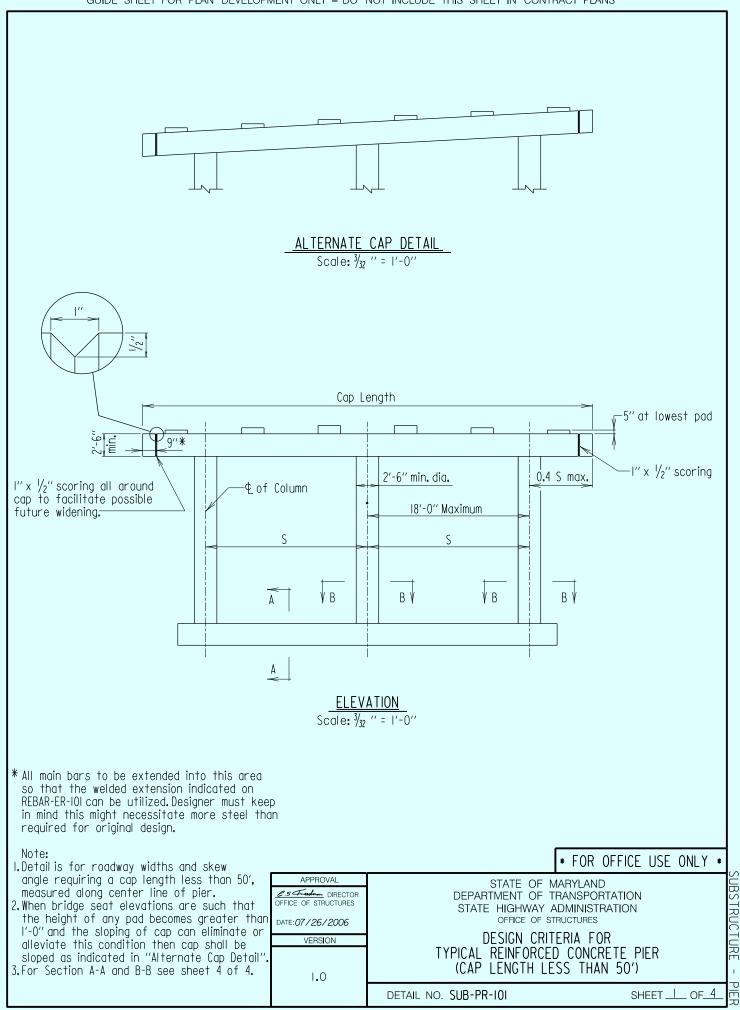


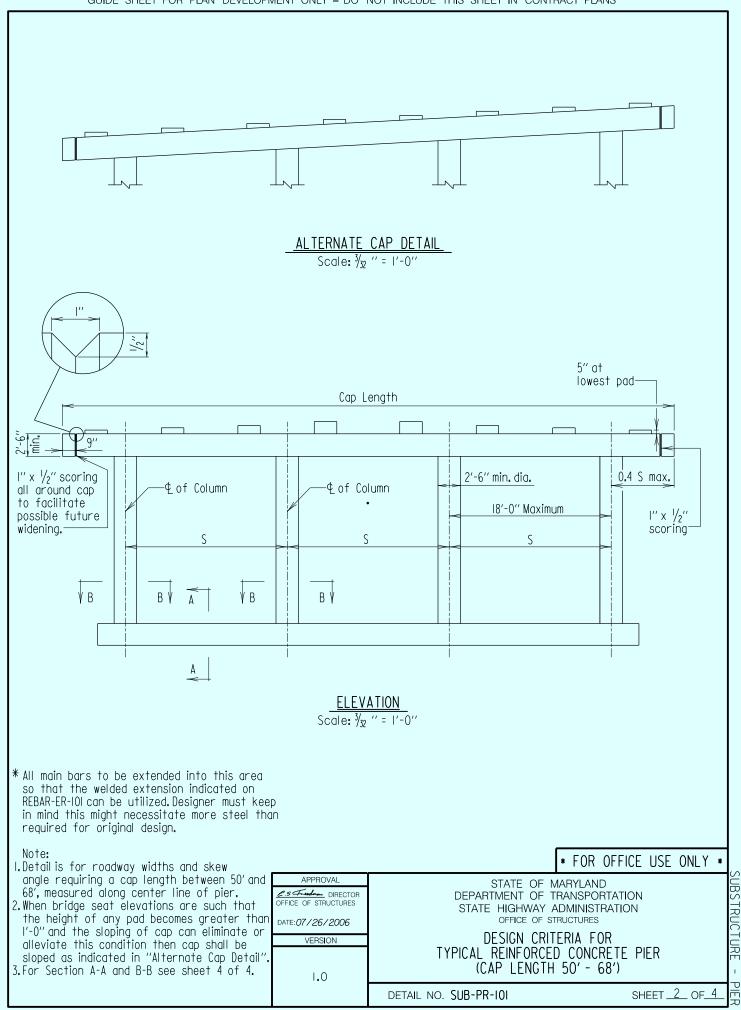
OFFICE OF STRUCTURES STRUCTURAL DETAIL MANUAL

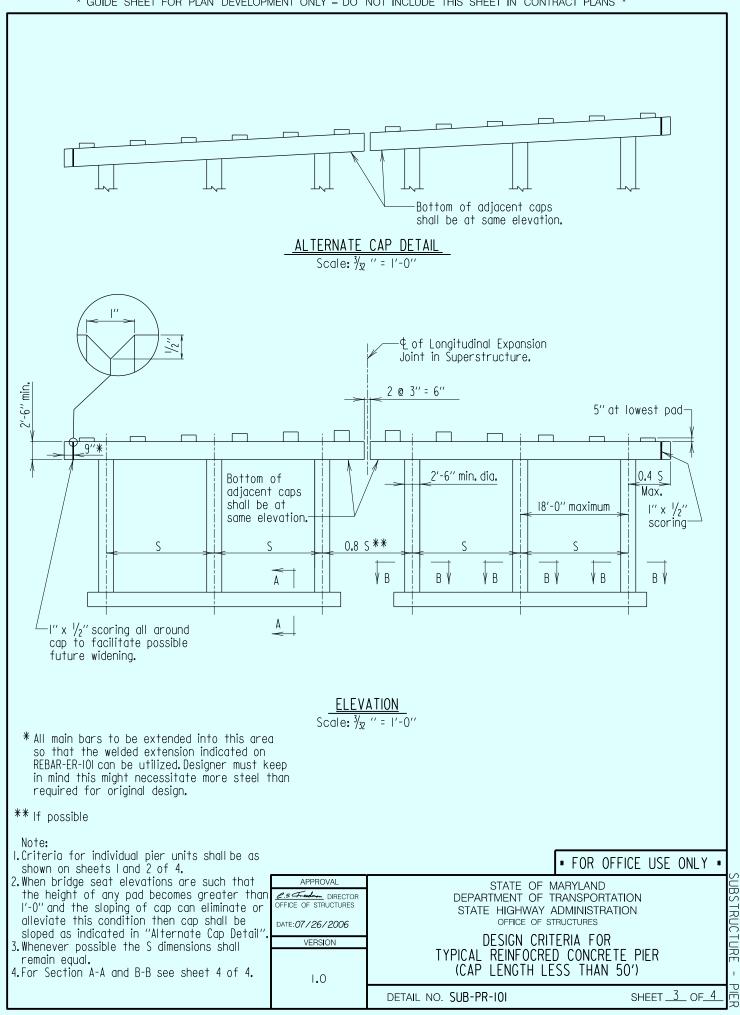
Chapter 02 - Substructure

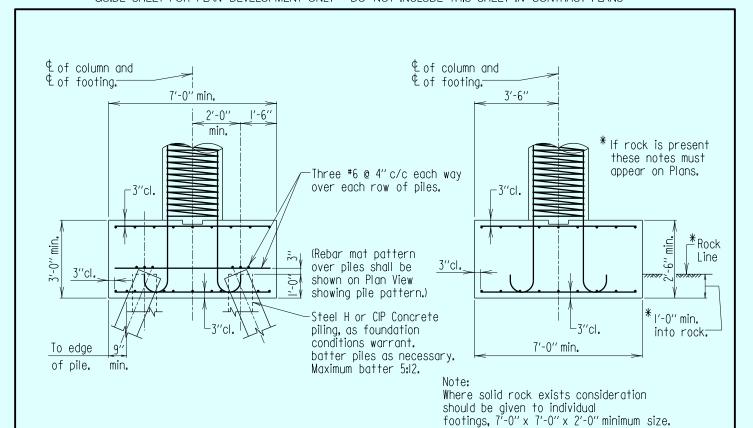
SECTION 04

PIERS (SUB-PR)







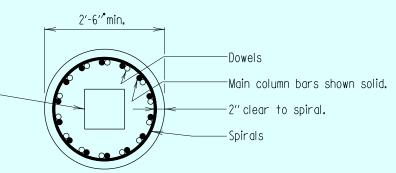


SECTION A-A WITH PILES

Scale: 1/4" = 1'-0"

SECTION A-A SPREAD FOOTING

Scale: 1/4" = 1'-0"



10" x 10" x Minimum Depressed	Key,
centered in column at top	
and bottom of column.	

MAXIMUM NUMBER OF MAIN COLUMN BARS				
Column	Reinforcing Bar Size			
Diameter	#9	#10	#	
2'-6''	16	15	14	
2'-8''	18	16	15	
2'-10''	19	18	17	
3'-0''	20	19	18	
3'-2''	22	20	19	
3'-6''	25	23	22	

Scale: 1/2" = 1'-0"

Note:

I.Reinforcing steel for column spirals shall be cold drawn steel conforming to ASTM A 82.

2. The design bearing pressure for spread footings shall be shown on applicable Pier Sheet thus: "Maximum Design Bearing Pressure for Pier ____ is ___ Tons/s.f."

	APPROVAL		
	OFFICE OF STRUCTURES		
	DATE: <i>〈DATE〉</i>		
	VERSION		
9	1.0		

* FOR OFFICE USE ONLY *

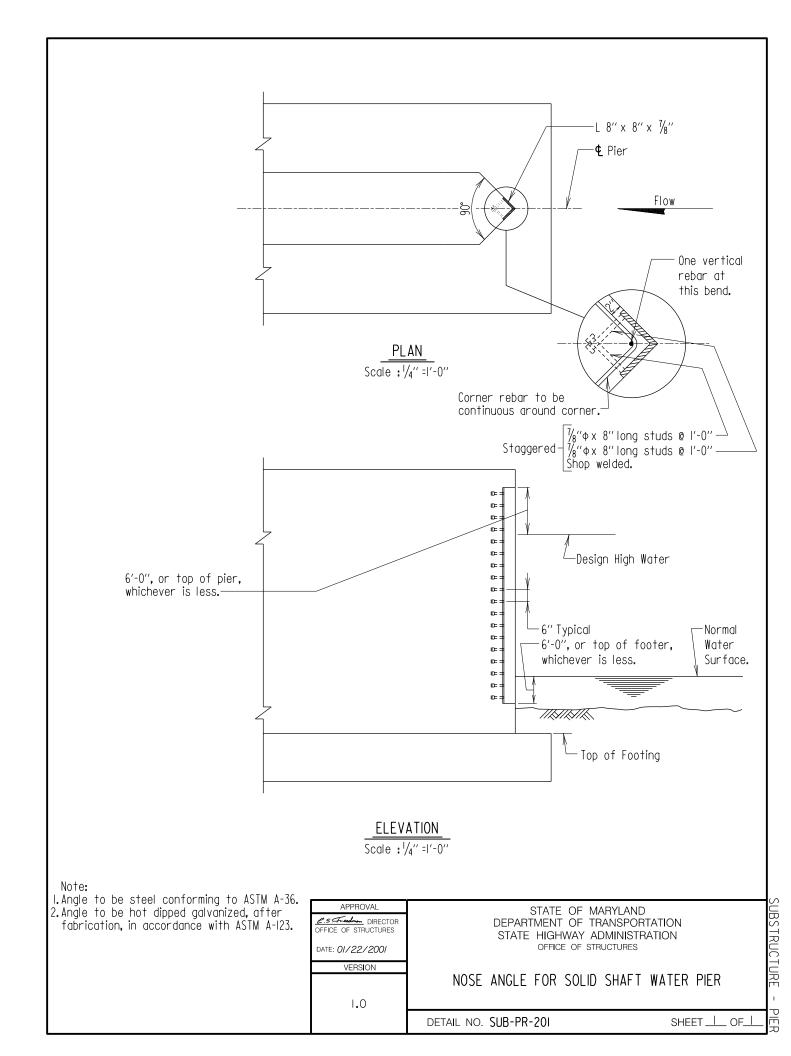
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF STRUCTURES

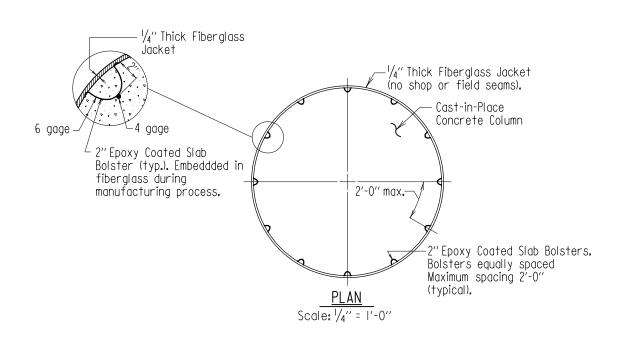
DESIGN CRITERIA FOR TYPICAL REINFORCED CONCRETE PIER

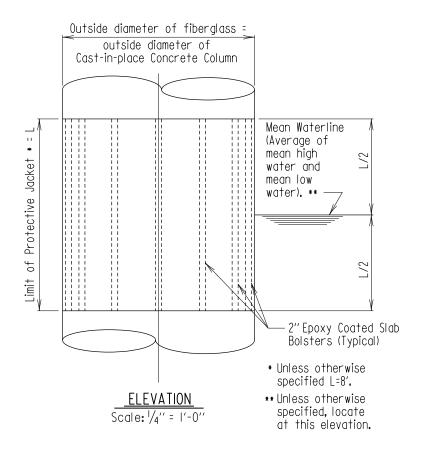
DETAIL NO. SUB-PR-101

SHEET 4 OF 4

<u>JBSTRUCTURE</u>







Notes:

- I. For fiberglass requirements see 921.11.
- 2. For other fiberglass jacket requirments see Special Provisions.
- 3. Inside of jacket shall be thoroughly cleaned.

APPROVAL	STATE OF MARYLAND
<u>C.S. Freedman</u> DIRECTOR OFFICE OF STRUCTURES	DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION
DATE: 01/22/2001	OFFICE OF STRUCTURES
VERSION	FIRERCLASS LACKET FOR

FIBERGLASS JACKET FOR CAST-IN-PLACE CONCRETE COLUMN

DETAIL NO. SUB-PR-30I

1.0

SHEET ____ OF__

JBSTRUCTURE

