REGISTERED CIVIL ENGINEER ___X___ DATE

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

THE REGISTERED CIVIL ENGINEER FOR THE PROJECT IS RESPONSIBLE FOR THE SELECTION AND PROPER APPLICATION OF THE COMPONENT DESIGN AND ANY MODIFICATIONS SHOWN.
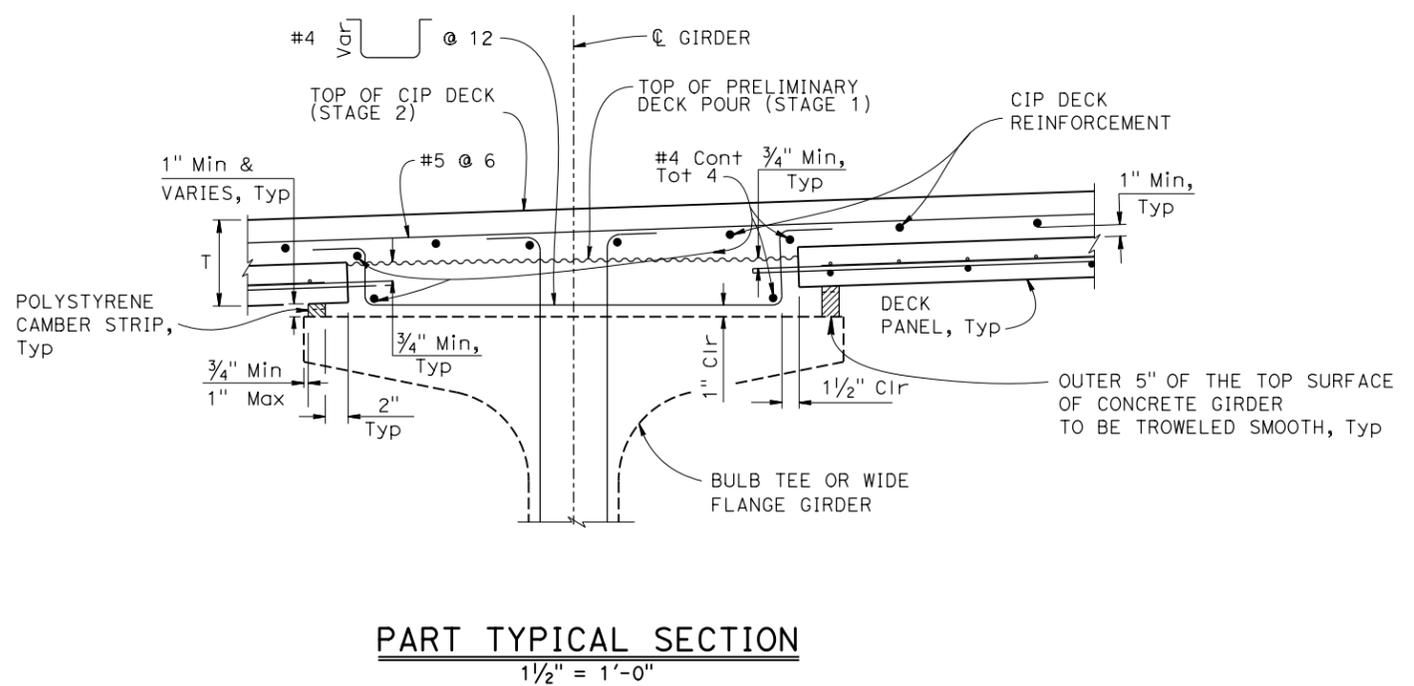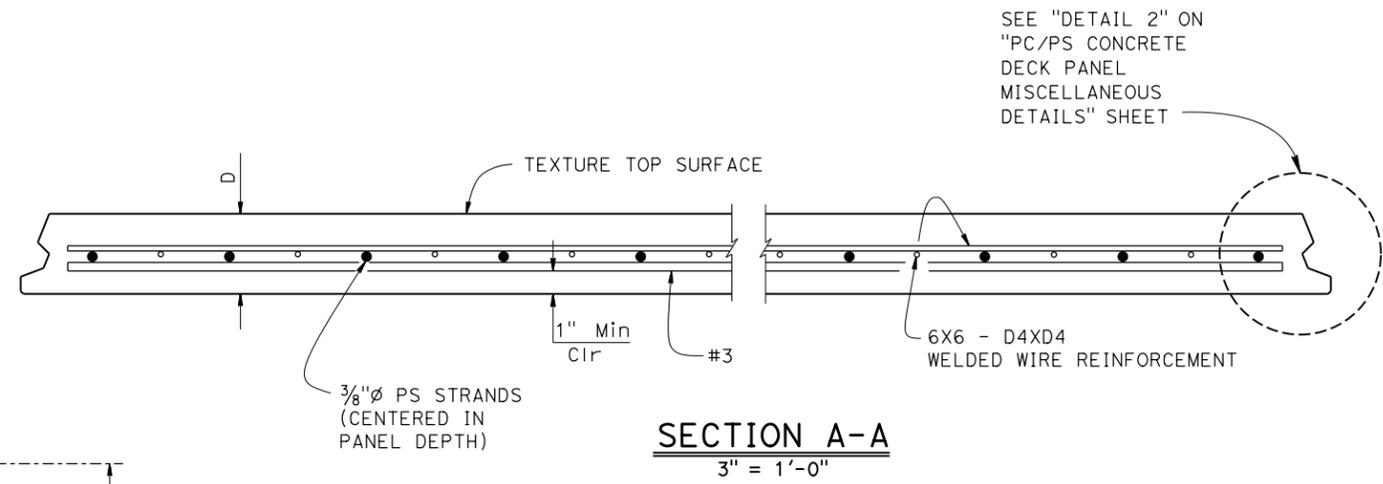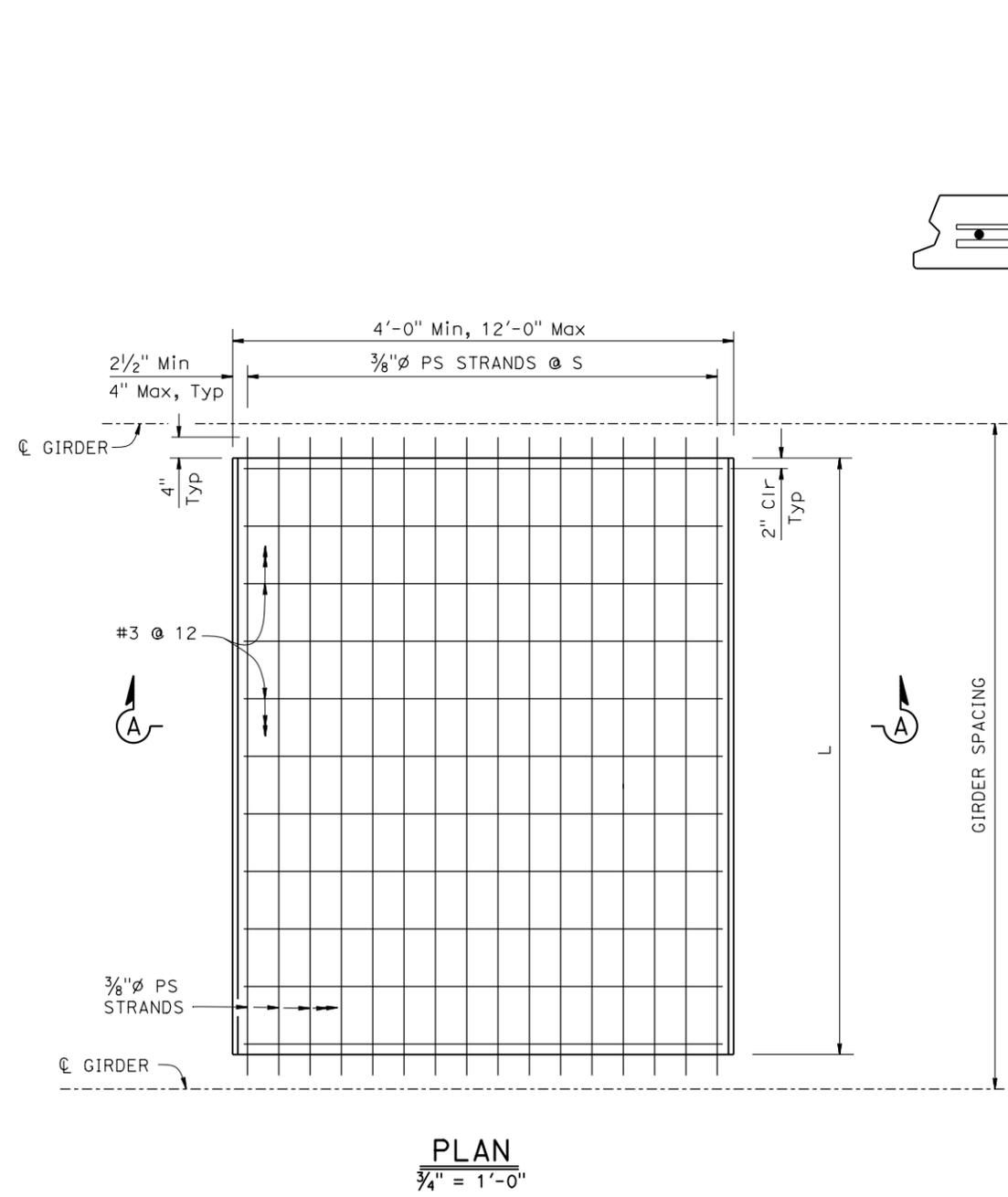
GENERAL DECK PANEL DESIGN NOTES:

DESIGN:
AASHTO LRFD Bridge Design Specifications, 2017 edition with California Amendments, preface dated December 2023

PRESTRESSING:
P_j = 16 kips/strand

All prestressing steel must be $\frac{3}{8}$"∅ Grade 270, seven wire low relaxation strands

CONCRETE STRENGTH:
f'ci = 4.5 ksi
f'c = 6.0 ksi

DECK PANEL TABLE

GIRDER SPACING (ft)	PANEL DEPTH "D" (in.)	PANEL LENGTH "L" (ft)	STRAND SPACING "S" (in.)	TOTAL DECK THICKNESS "T" (in.)

SEE "DETAIL 2" ON "PC/PS CONCRETE DECK PANEL MISCELLANEOUS DETAILS" SHEET

TEXTURE TOP SURFACE

D

1" Min Clr   #3

$\frac{3}{8}$"∅ PS STRANDS (CENTERED IN PANEL DEPTH)

6X6 – D4XD4 WELDED WIRE REINFORCEMENT

SECTION A-A
3" = 1'-0"

4'-0" Min, 12'-0" Max

$\frac{3}{8}$"∅ PS STRANDS @ S

2½" Min
4" Max, Typ

℄ GIRDER

4" Typ

2" Clr Typ

#3 @ 12

GIRDER SPACING

L

A

$\frac{3}{8}$"∅ PS STRANDS

℄ GIRDER

PLAN
$\frac{3}{4}$" = 1'-0"

#4 Var @ 12   ℄ GIRDER

TOP OF CIP DECK (STAGE 2)   TOP OF PRELIMINARY DECK POUR (STAGE 1)   CIP DECK REINFORCEMENT

1" Min & VARIES, Typ   #5 @ 6   #4 Cont Tot 4 $\frac{3}{4}$" Min, Typ   1" Min, Typ

T

POLYSTYRENE CAMBER STRIP, Typ

$\frac{3}{4}$" Min 1" Max $\frac{3}{4}$" Min, Typ   1" Clr   DECK PANEL, Typ

2" Typ   1½" Clr

BULB TEE OR WIDE FLANGE GIRDER

OUTER 5" OF THE TOP SURFACE OF CONCRETE GIRDER TO BE TROWELED SMOOTH, Typ

PART TYPICAL SECTION
1½" = 1'-0"

BRIDGE STANDARD DETAILS		DESIGN BY X	CHECKED X	STATE OF **CALIFORNIA** DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE No. XX-XXXX	**X**
xs1-180-1 FILE NO.	JULY 2024 APPROVAL DATE	DETAILS BY X	CHECKED X			POST MILE X.X	**PC/PS CONCRETE DECK PANEL DETAILS (BULB TEE/WIDE FLANGE)**
		QUANTITIES BY X	CHECKED X				

Refer to: http://www.dot.ca.gov/hq/esc/techpubs/manual/bridgemanuals/bridge-standard-detail-sheets/index.html

DATE PLOTTED => 26-JUL-2024   TIME PLOTTED => 10:49
FILE => xs1-180-1.dgn   USERNAME => s157551
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: XXXX   COUNTY/ROUTE/ZONE: XXX/XXX/X
PROJECT NUMBER & PHASE: XXXXXXXXXX1   CONTRACT No.: XX-XXXXX4

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES   SHEET OF   X   X