

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
X	X	X	X	X	X

REGISTERED CIVIL ENGINEER	DATE
	X

PLANS APPROVAL DATE
No. X
Exp. X

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GENERAL NOTES LOAD & RESISTANCE FACTOR DESIGN

DESIGN: AASHTO LRFD Bridge Design Specifications, 4th Edition with California Amendments

LIVE LOAD: Surcharge = 240 lb/ft²

SOIL PARAMETERS:

Internal design $\phi = 34^\circ$, $\gamma = 120$ lb/ft³

External design ϕ (Retained Backfill) = 30° , $\gamma = 120$ lb/ft³

ϕ (Foundation) = 30°

$k_h = 0.2$

PRECAST CONCRETE PANELS:

$f'_c = 4,000$ psi (Concrete compressive strength at 28 days)

$f_y = 60,000$ psi (Yield strength of reinforcement)

SOIL REINFORCEMENT:

Welded wire mats: $f_y = 65,000$ psi (Yield strength)

Coupler: $f_y = 36,000$ psi (Yield strength)

Corrosion rate = 1.1 mils/year

REINFORCED CONCRETE:

$f'_c = 3,600$ psi, except as noted

(Concrete compressive strength at 28 days)

$f_y = 60,000$ psi (Yield strength of reinforcement)

MSE = Mechanically Stabilized Embankment

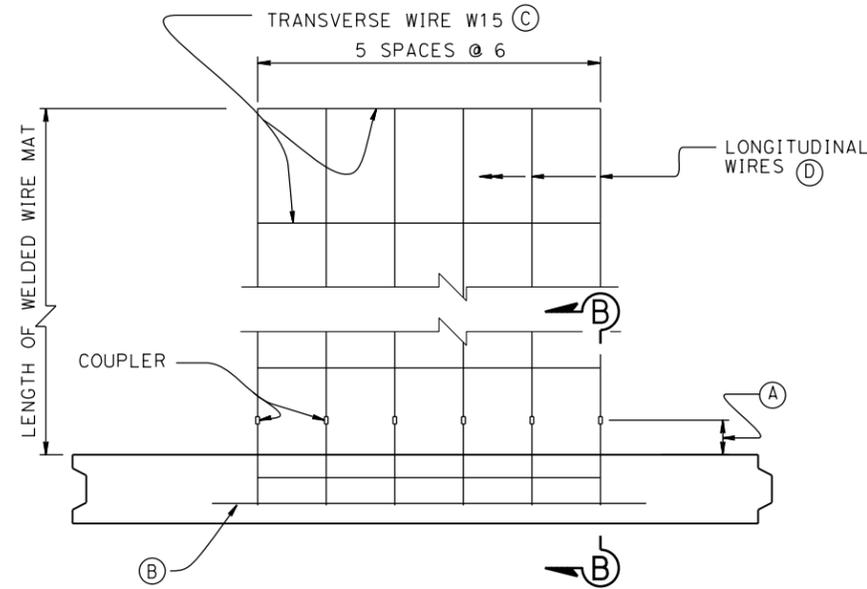
NOTES:

(A) Distance as required to permit coupler to be swaged

(B) Place #4 x 3'-2", centered on connector mat, but not welded to it

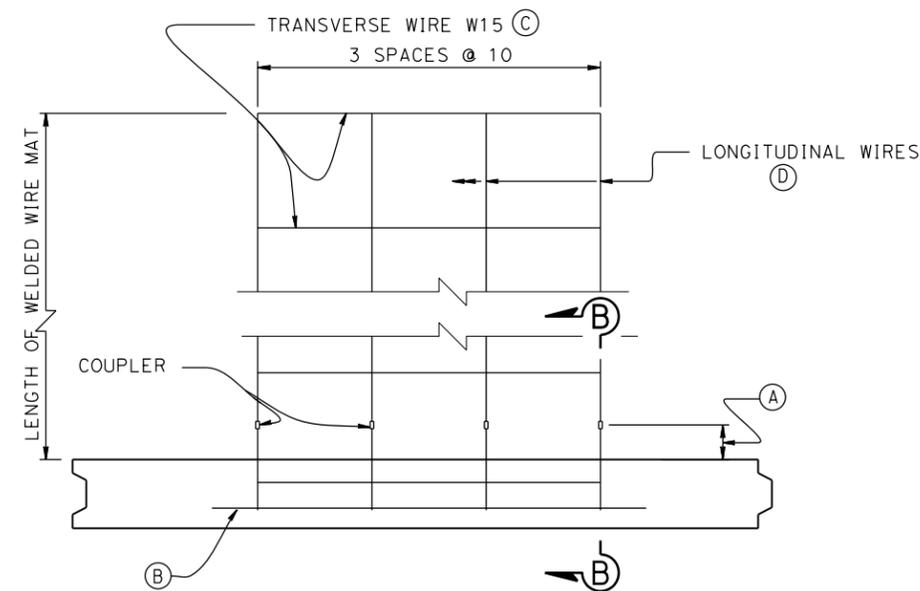
(C) All transverse wires size W15 at various spacing as shown elsewhere in plans

(D) Size of longitudinal wires shown elsewhere in plans



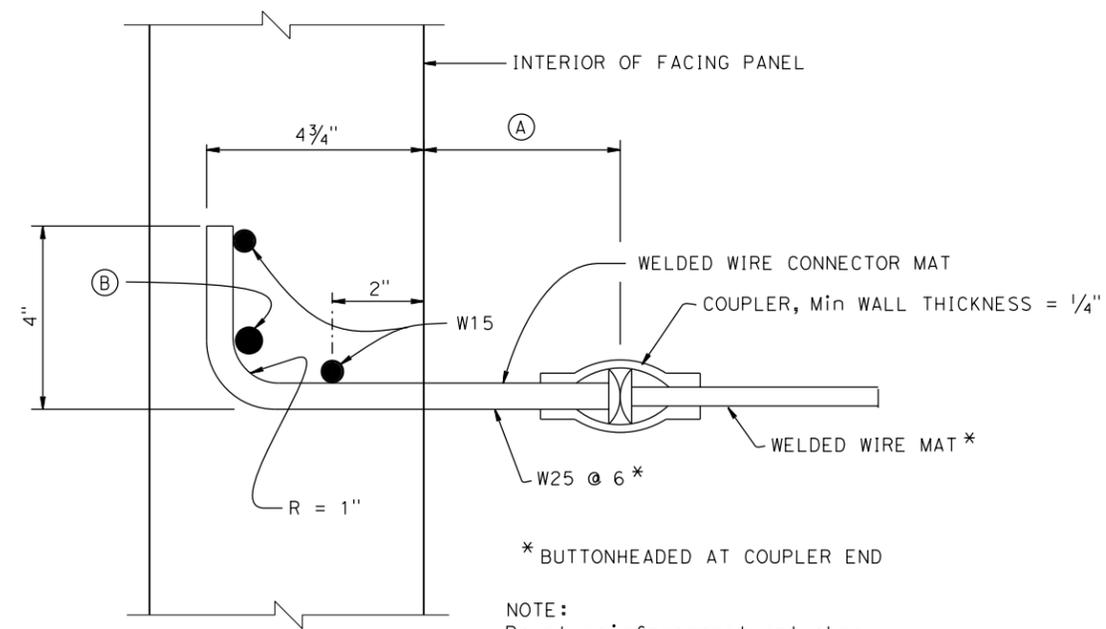
PLAN OF PANEL WITH SIX WIRE MAT

1/2" = 1'-0"



PLAN OF PANEL WITH FOUR WIRE MAT

1/2" = 1'-0"



SECTION B-B

6" = 1'-0"

STANDARD DRAWING	
FILE NO. xs13-020-2	APPROVAL DATE July 2014

STATE OF CALIFORNIA	
DEPARTMENT OF TRANSPORTATION	

DIVISION OF ENGINEERING SERVICES	
BRIDGE NO.	X
POST MILE	X

MECHANICALLY STABILIZED EMBANKMENT	
DETAILS No. 2	