



Structure ID: CV-3 WWD1

P1 CVBS

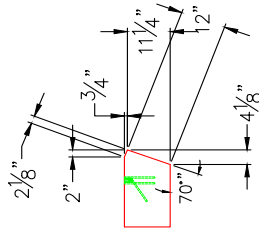
WINGWALL - 162" X 228" WINGWALL - 162" x 228"

NOTES:

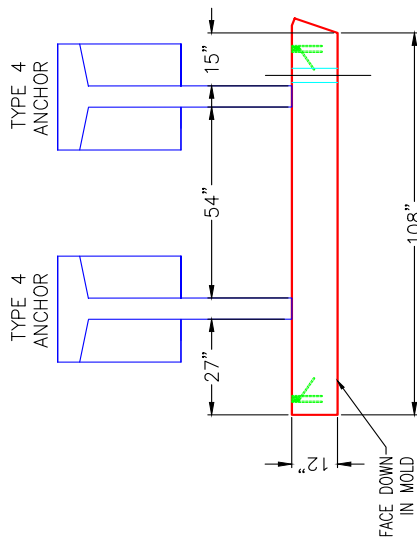
1. WINGWALL IS DESIGNED PER AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIAL SPECIFICATION IN ACCORDANCE W/ AASHTO LFRD BRIDGE DESIGN SPECIFICATION 9TH EDITION.
2. CONCRETE: 5,000 PSI AT 28 DAYS.
3. LOAD REQUIREMENTS = EARTH PRESSURE + LL SURCHARGE
4. WINGWALL FOUNDATIONS ARE DESIGNED IN ACCORDANCE WITH FACTORED BEARING RESISTANCE : 2500 PSF.
5. REINFORCING: PER ATTACHED CALCULATIONS.
6. 2" CLEAR COVER OVER ALL REINFORCING.
7. WEIGHT = 13,195 LBS

NOTE:

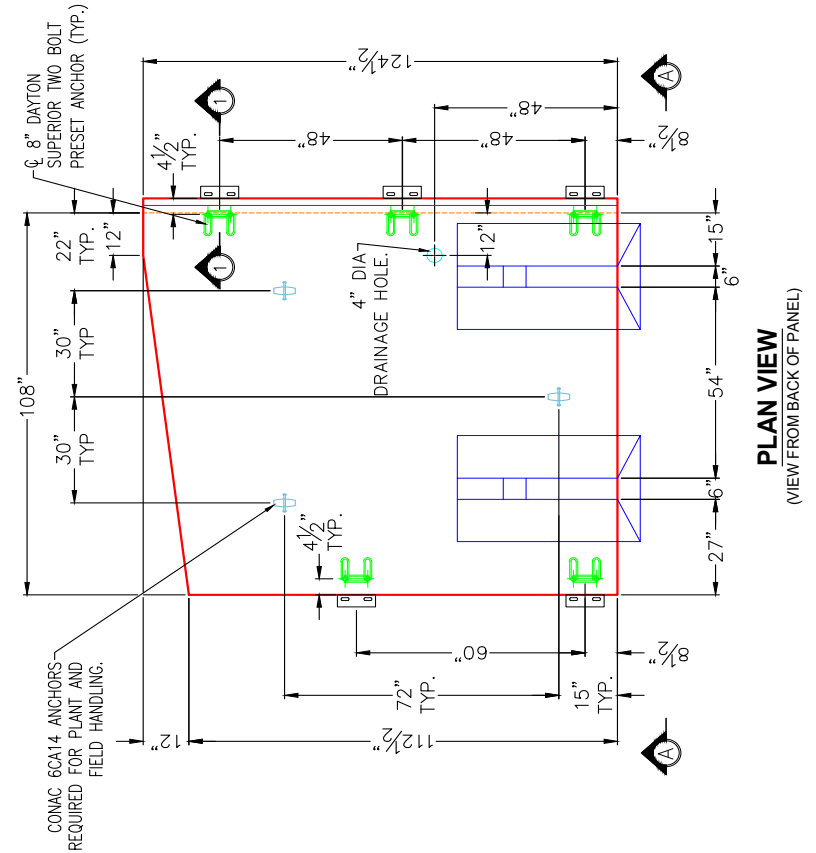
This drawing is for reference only, PE Stamped drawings shall be followed for all details.



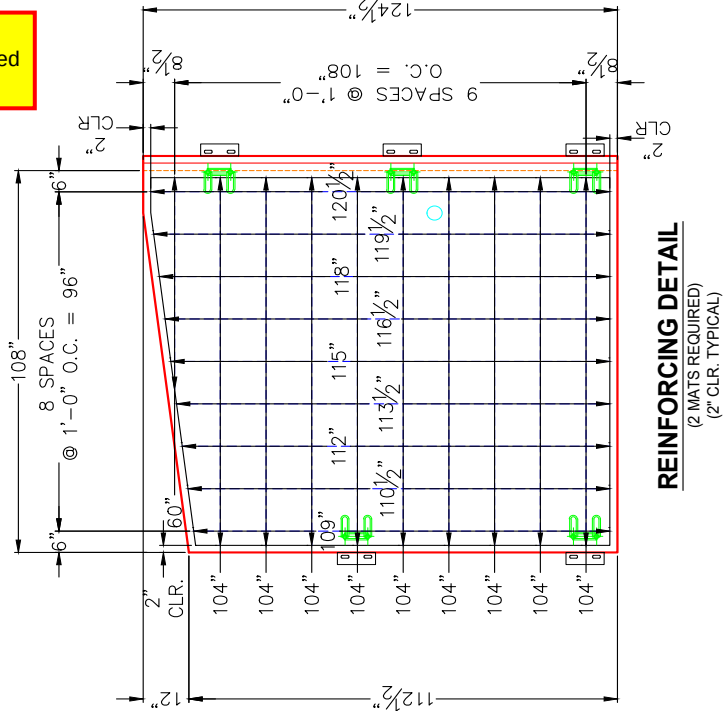
DETAIL 1



SECTION A-A



PLAN VIEW
(VIEW FROM BACK OF PANEL)



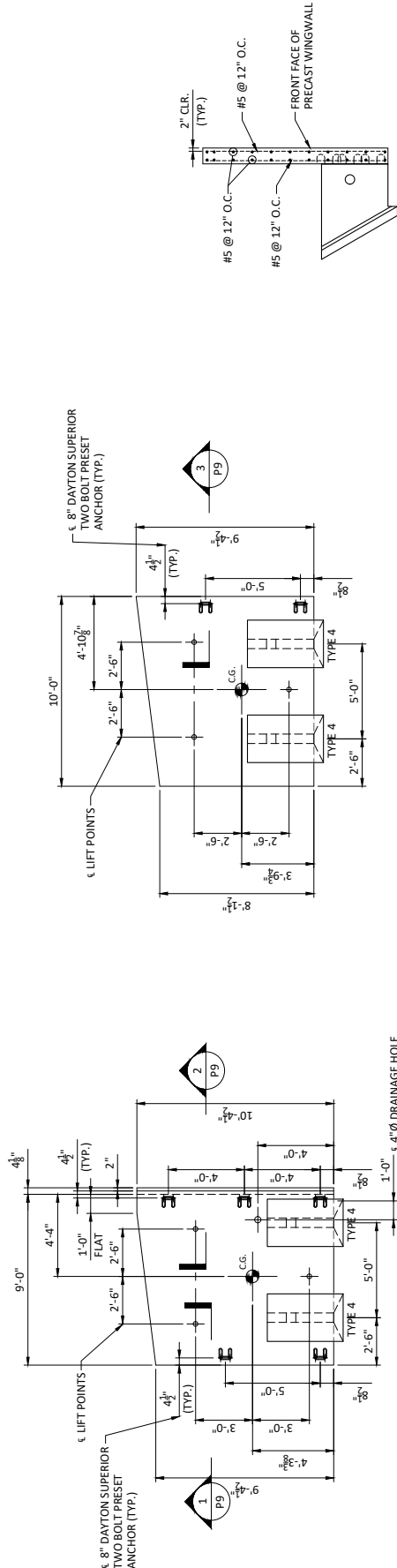
REINFORCING DETAIL
(2 MATS REQUIRED)
(2" CLR. TYPICAL)



Structure ID: CV-3 WWD1

P1 CVBS

WINGWALL - 162" X 228" WINGWALL - 162" x 228"



ELEVATION - WINGWALL WWD2

TOTAL WEIGHT = 8.4 TONS

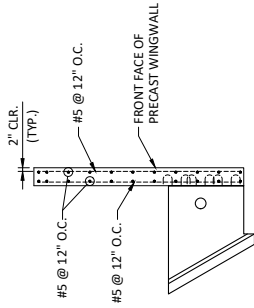
PROVIDE (1) 10' LONG x 2' WIDE STRIP OF FILTER FABRIC

ELEVATION - WINGWALL WWD1

TOTAL WEIGHT = 8.5 TONS

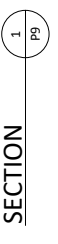
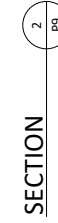
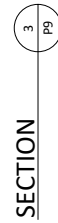
PROVIDE 4'0" x 19' PERFORATED DRAIN
W/ ELBOW, END CAP AND FILTER FABRIC SOCK
PROVIDE (1) 11' LONG x 2' WIDE STRIP OF FILTER FABRIC

REINFORCING SECTION
NOT TO SCALE



DESIGN NOTES

1. ALL EDGES TO HAVE 3" CHAMFER
2. F.C. = 5,000 PSI
3. WALL PANEL WILL NOT HANG LEVEL. ADJUST LIFTING CABLES AS REQUIRED
4. ELEVATION LOOKING AT BACK FACE OF WINGWALL



UNCOATED REINFORCING
FOR APPROVAL
09/01/2026

P9		PROJECT NUMBER: 26-355	
DATE: 9/17/2026		DESIGNED BY: JUK	
DRAWN BY: J.P.		CHECKED BY: TEN	
P.O. BOX 351		809-241-0955	
BELLEVILLE, OH 45305			
PROVIDED BY: PRETEK GROUP		STATE: IN	
881 W. 7TH STREET		LOCAL: DUDEB COUNTY	
BEAVER DAM, IN 46220			
270.383.2238			
FERDINAND STATE FOREST CULVERT CV-3			
DATE		DESCRIPTION	
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