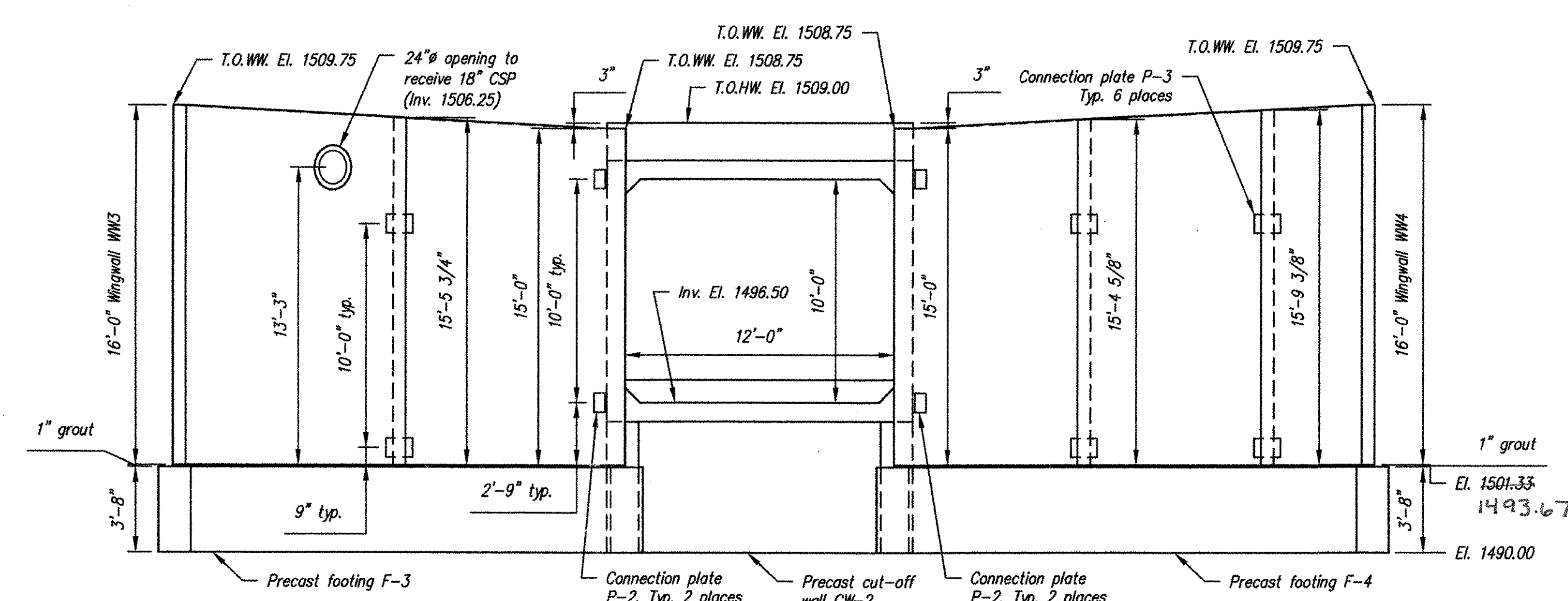
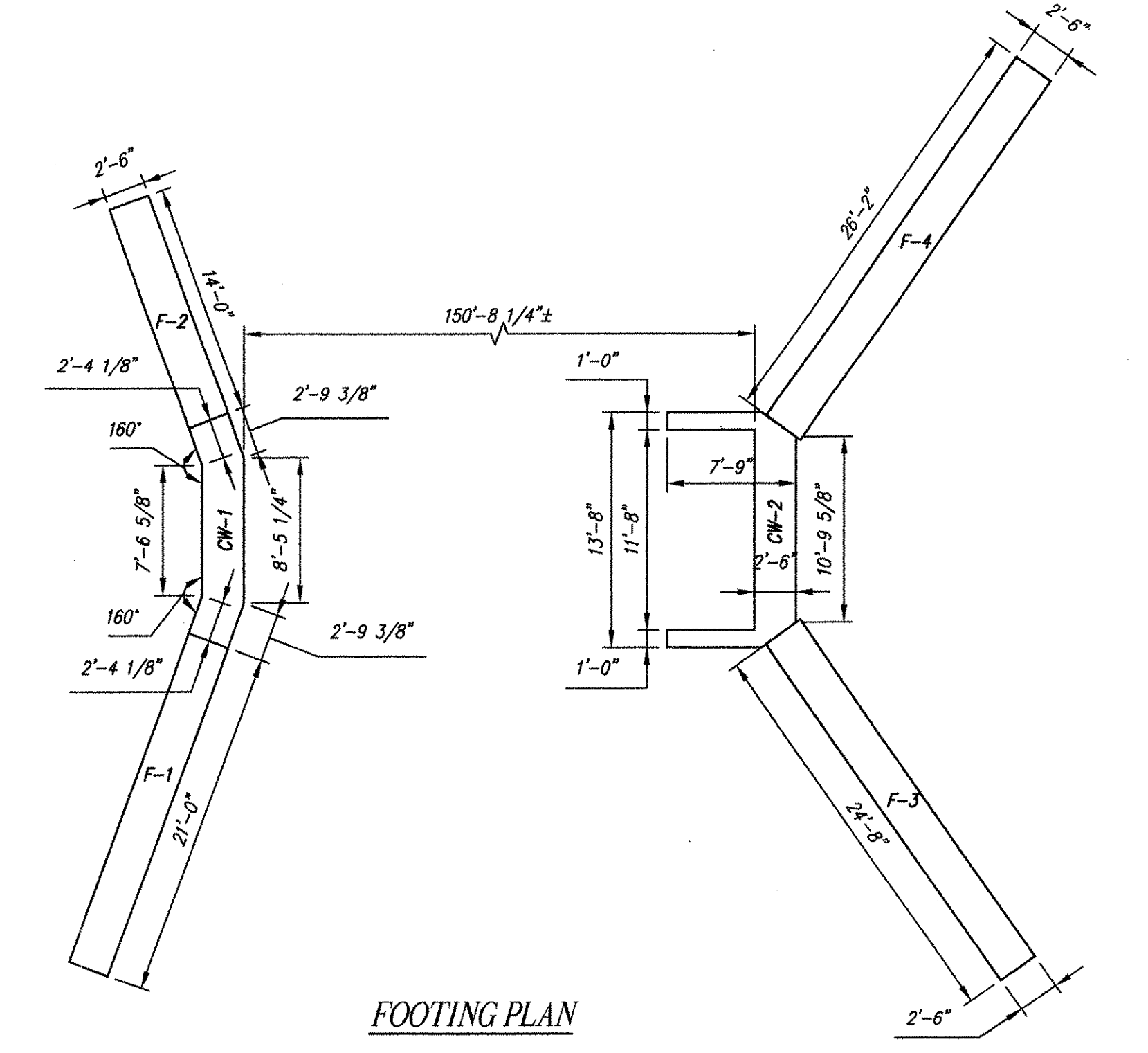


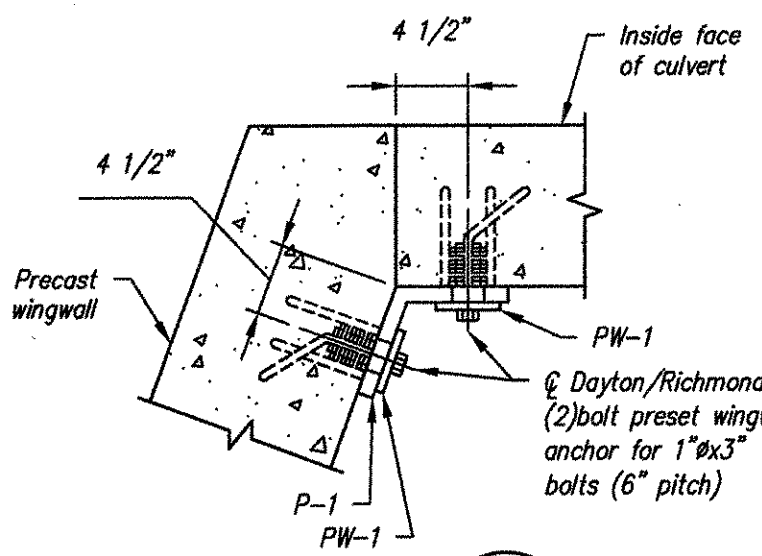
ELEVATION C-C
1 of 2



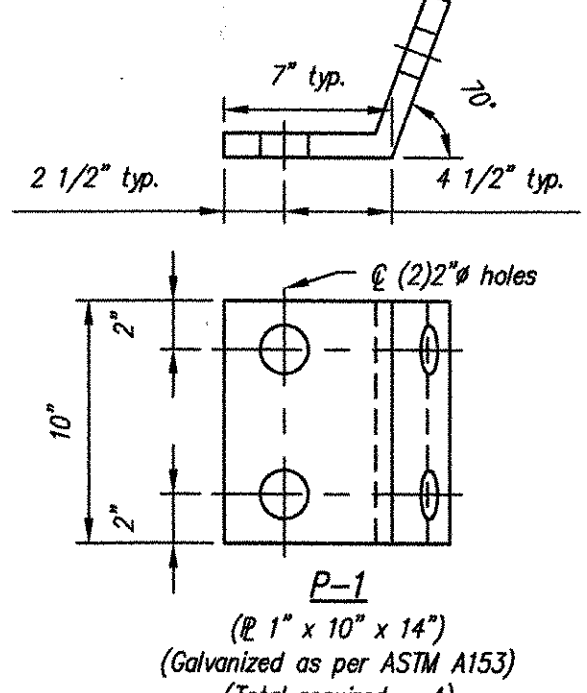
ELEVATION D-D
1 of 2



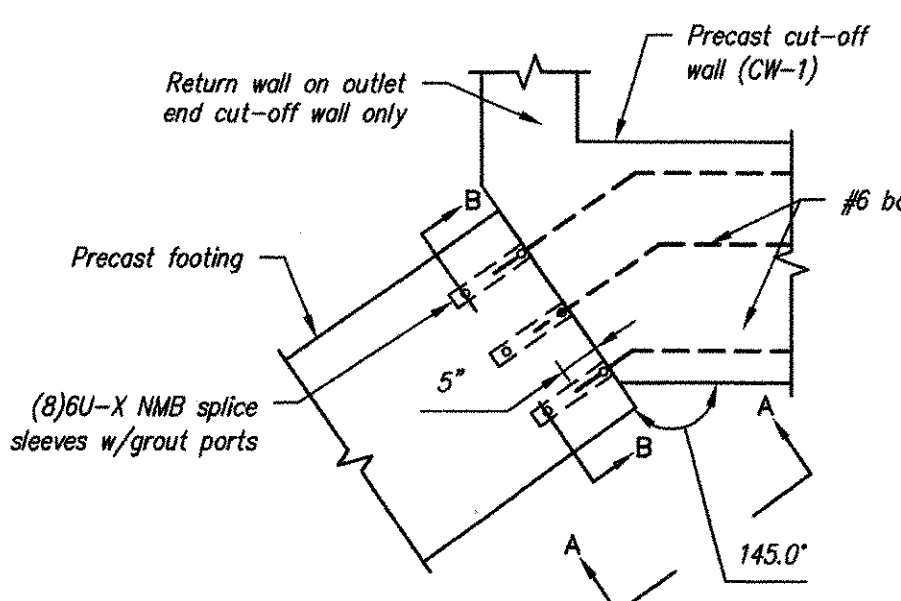
FOOTING PLAN



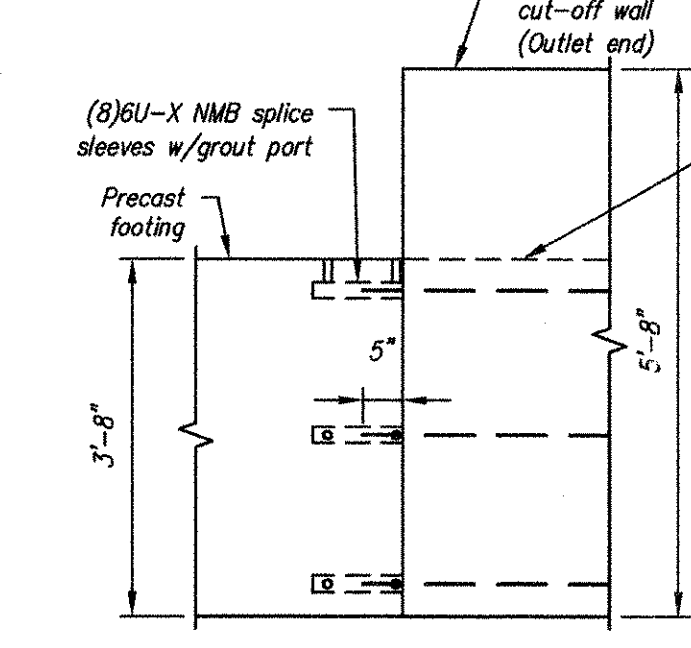
DETAIL 1
2 of 2



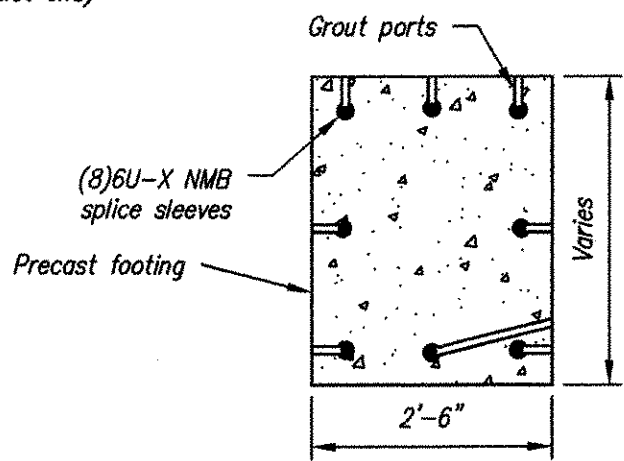
P-1
(@ 1' x 10' x 14')
(Galvanized as per ASTM A153)
(Total required = 4)



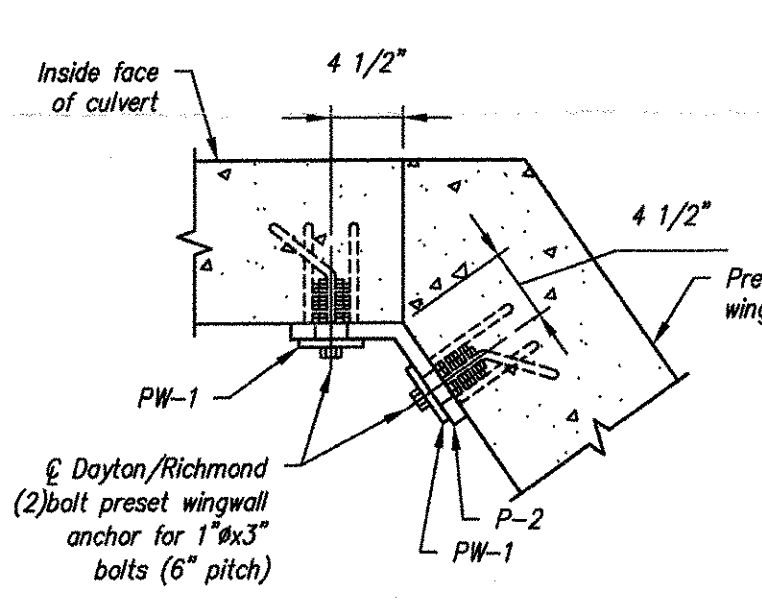
FOOTING TO CUT-OFF WALL
CONNECTION DETAIL (PLAN VIEW)



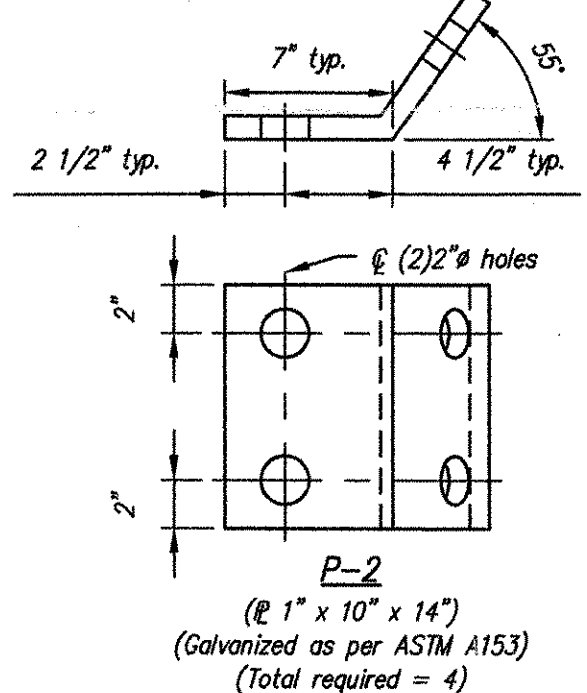
ELEVATION A-A



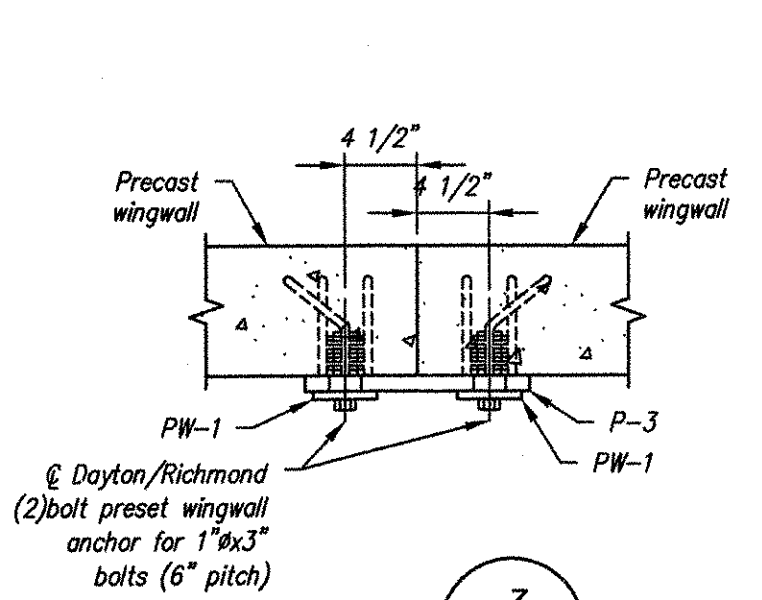
ELEVATION B-B



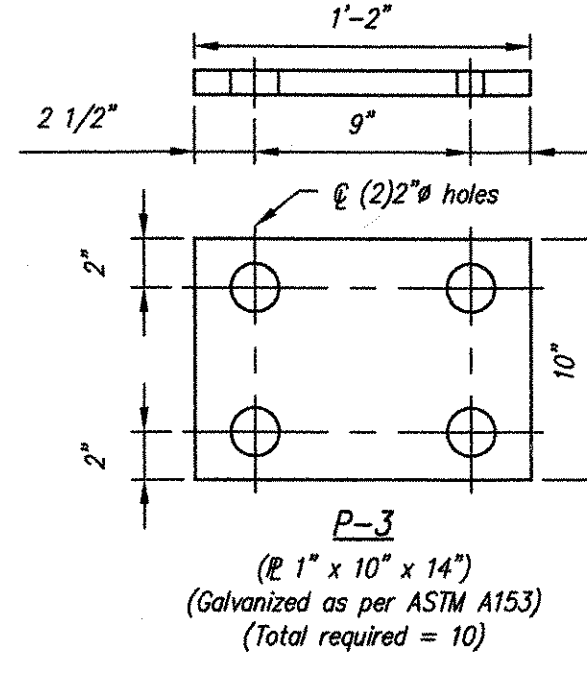
DETAIL 2
2 of 2



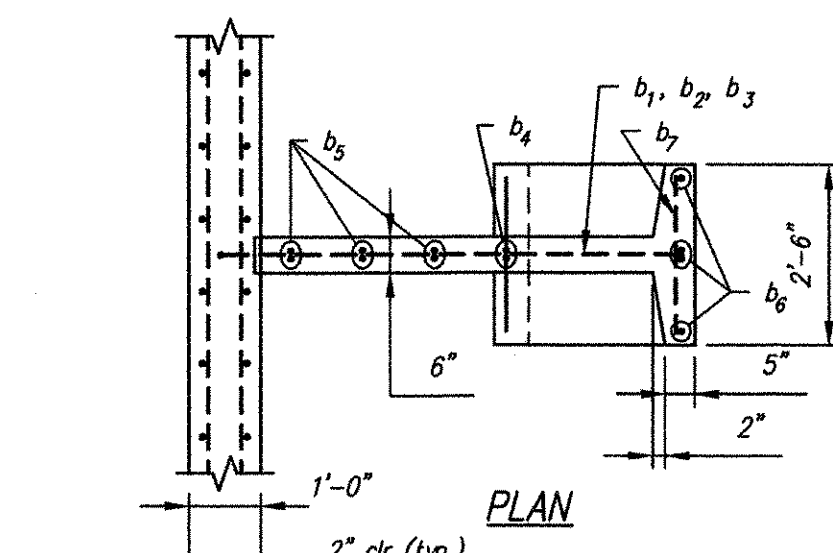
P-2
(@ 1' x 10' x 14')
(Galvanized as per ASTM A153)
(Total required = 4)



DETAIL 3
2 of 2

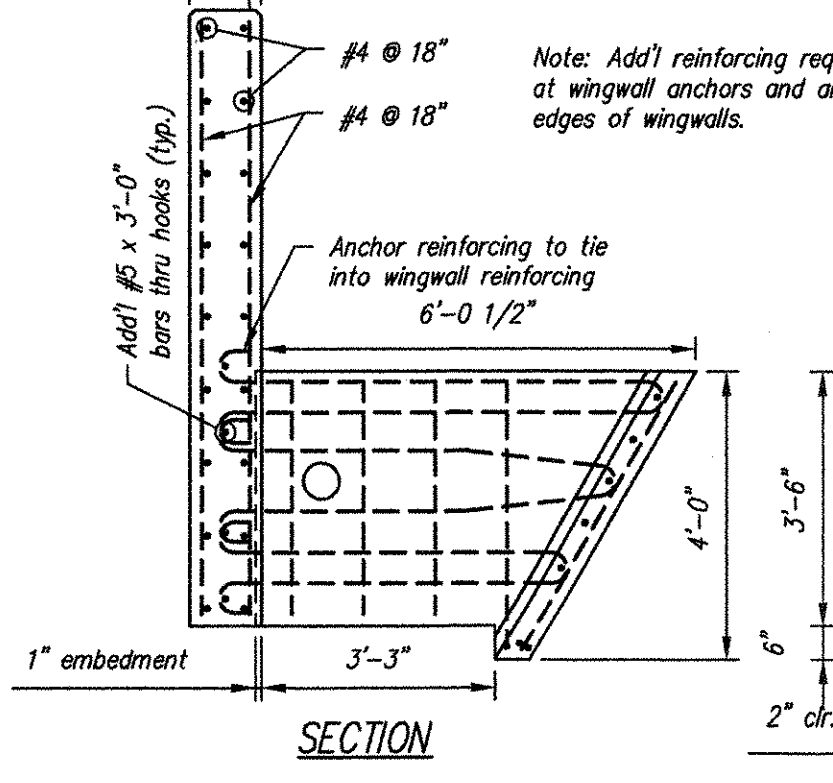


P-3
(@ 1' x 10' x 14')
(Galvanized as per ASTM A153)
(Total required = 10)

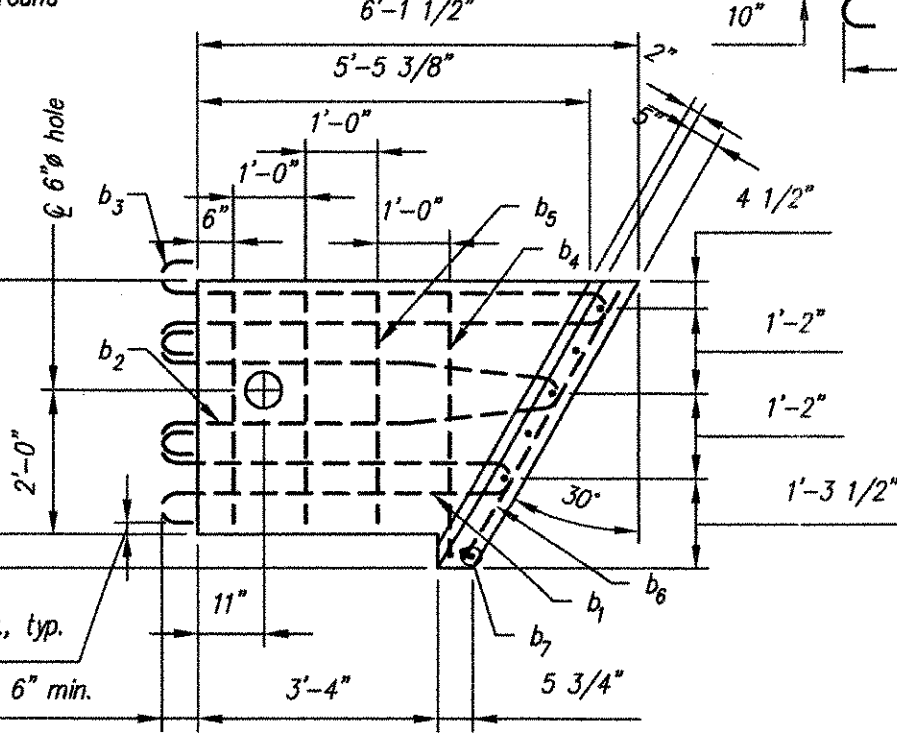


BAR LIST					
MARK	QTY.	SIZE	L	TYPE	LENGTH
b ₁	1	#5	4'-10"	1	
b ₂	1	#5	5'-6"	3	
b ₃	1	#5	6'-2"	1	
b ₄	2	#5	3'-8"	2	
b ₅	6	#5	Str.	3'-2"	
b ₆	4	#5	Str.	4'-2"	
b ₇	7	#5	Str.	2'-2"	

Note: "Str." denotes straight bar. Standard clearance = 2".



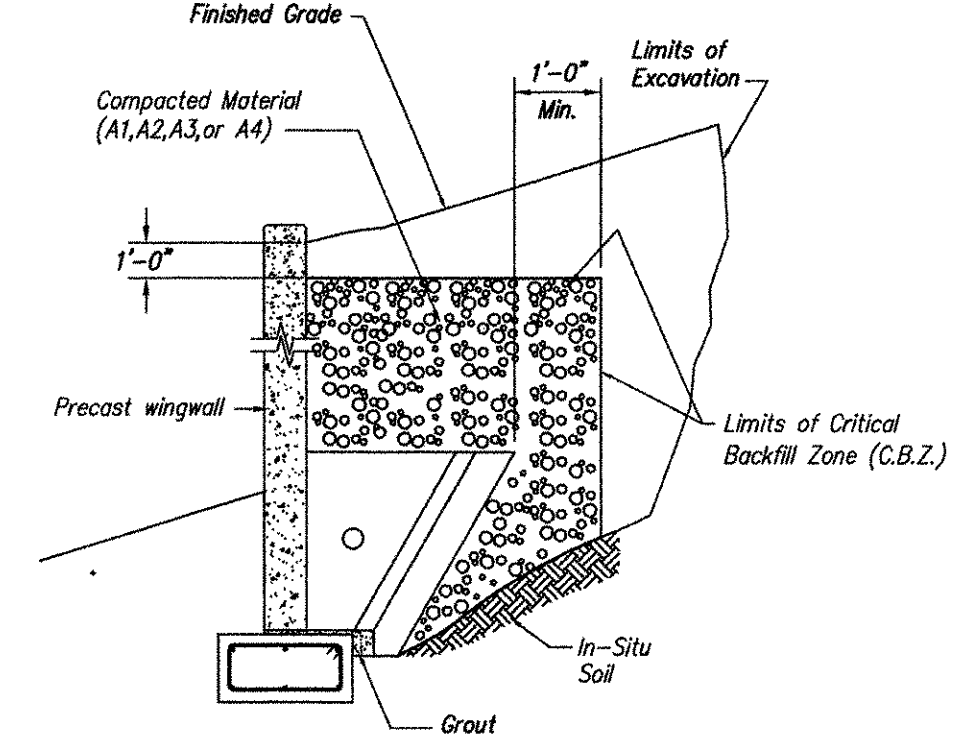
SECTION



TYPICAL WINGWALL SECTION

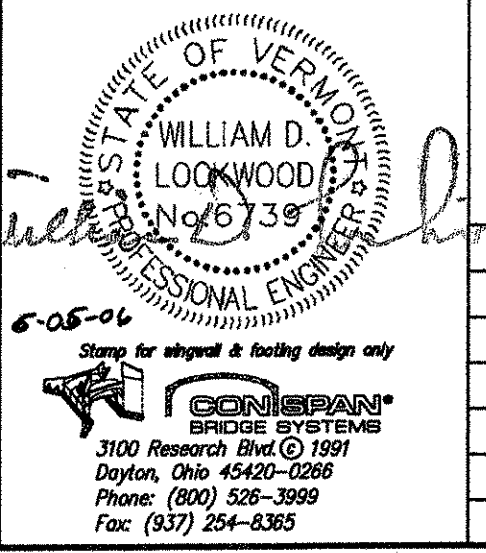
Group Classification	BACKFILL DESCRIPTION						A-4
	A-1	A-2	A-3	A-2-4	A-2-5	A-2-6	
Sieve Analysis, Percent Passing							
No. 10	50 max.						
No. 40	30 max.	50 max.	51 min.				
No. 200	15 max.	25 max.	10 max.	35 max.	35 max.	35 max.	35 max.
Characteristics of Fraction Passing No. 40							
Liquid Limit				40 max.	41 min.	40 max.	41 min.
Plasticity Index	6 max.		N.P.	10 max.	10 max.	11 min.	11 min.
Usual Types of Significant Constituent Materials	Stone Fragments, Gravel & Sand		Fine Sand	Silty or Clayey Gravel and Sand			Silty Soils
General Rating as Subgrade			Excellent to Good				Fair to Poor

- NOTES:
 1. BACKFILLING OPERATIONS WITHIN THE C.B.Z. SHALL BE PERFORMED IN LIFTS OF 8" OR LESS (LOOSE DEPTH).
 2. MAXIMUM DRY DENSITY SHALL BE DETERMINED BY AASHTO T-99 OR OTHER APPROVED METHODS.
 3. BACKFILL SHALL BE COMPACTED IN LAYERS UNTIL THE DENSITY IS NOT LESS THAN 95% OF THE MAXIMUM DRY DENSITY.



WINGWALL BACKFILL REQUIREMENTS

Contractor is to verify that all information shown on drawings has been thoroughly checked, complies with the contract documents and is adequate to meet the field conditions. Some dimensions and details may differ slightly from contract drawings to accommodate the manufacturing or design process. Approval of this drawing indicates that any deviation from the contract documents has been reviewed and found to be acceptable. Production will not commence until receipt of signed, approved shop drawings.



RECEIVED
 JUN 08 2006
 RESUBMIT APPROVED AS NOTED
 BY GOW DATE 6/20/06

Rev.	Date	DESCRIPTION	By
5			
4			
3			
2			
1			

This drawing is based upon information provided from the following documents and/or sources:
 Engineer: VAOT
 Project No: STP ST CULV (6)
 Drawings: Proposed Improvement Bridge Project
 Specifications: Whitingham STP ST CULV (6) Standard Specifications for Construction
 Other Sources:



STATE AGENCY
 VAOT
 STP ST CULV (6)
 Drawn by: M. SCOTT
 Date: 08/01/2006

TOWN OF WHITINGHAM
 PROPOSED IMPROVEMENT BRIDGE PROJECT
 WHITINGHAM, VT
 BOX CULVERT WINGWALL DETAILS
 C18126-LO1-2
 SHEET 2 OF 2