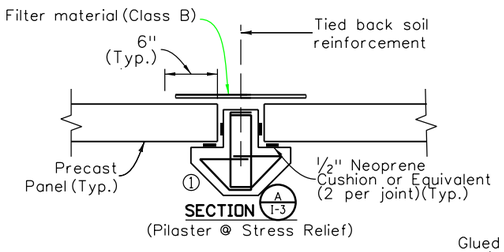
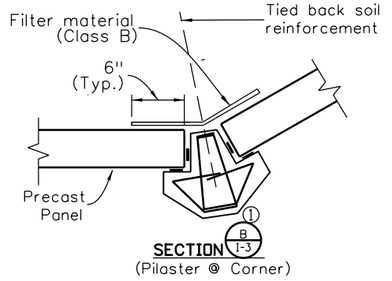
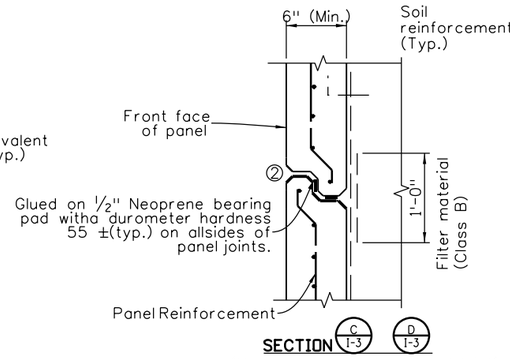


(Pilaster @ Stress Relief)

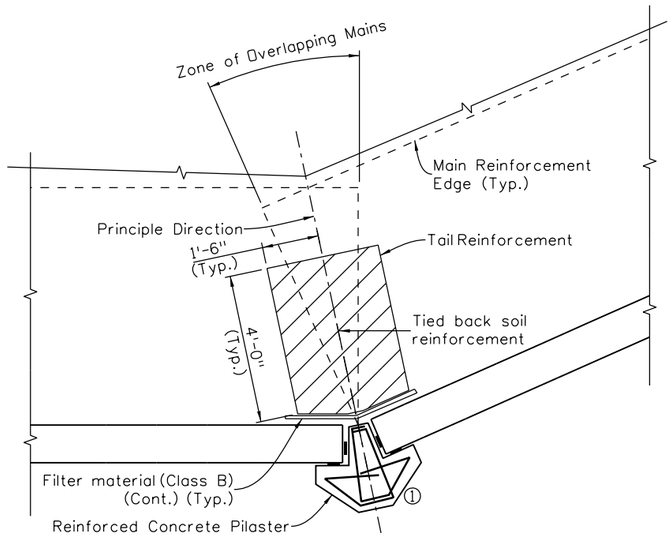


(Pilaster @ Corner)

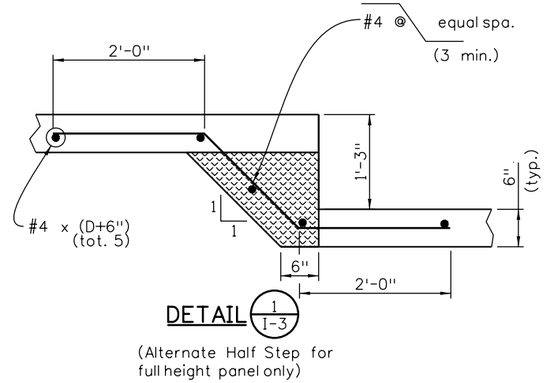
The cost of the pilaster shall be included in the precast panel.



(Horizontal or Vertical Panel Joint)

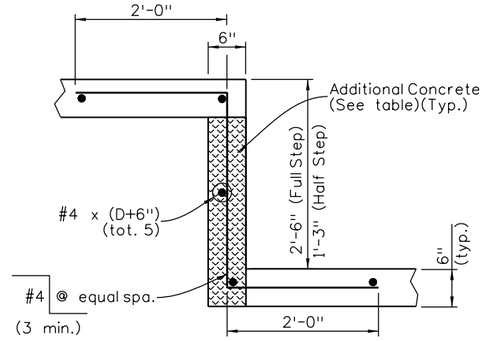


ANGLE POINT CORNER DETAIL



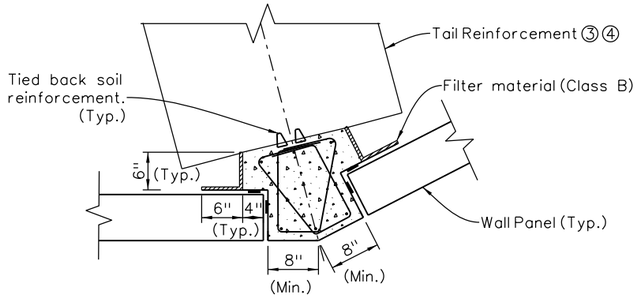
DETAIL 1 I-3

(Alternate Half Step for full height panel only)



DETAIL 2 I-3

(Full step for both height and segmented panel)



ALTERNATE SECTION B I-3

(Pilaster @ Corner)

① Reinforced concrete precast pilaster shall be designed by the Contractor during shop drawing submittal with approval by the Engineer. The cost of the pilaster shall be included in the precast panel.

② 3/4" Chamfer (Typ.) (Soil reinforcement shown for illustration purposes.)

③ Use a Single Sheet of 3'-0" (Width) x 4'-0" (Depth) tail reinforcement (parallel to principle direcation at angle point) between main reinforcements through vertical joint at stress relief or angle point.

④ Tails shall be bi-axial woven geotextile with a minimum average roll value of 4800 lb./ft. based on ASTM D4595.

⑤ In addition to tail reinforcement, Tied back soil reinforcement shall be designed and detailed for the 3'-0" wide tributary load.

LEVELING PAD AND STEP QUANTITIES

Based on 8" overall panel thickness (D) including 2" banner
Epoxy Coated Steel with fy = 60 ksi

ITEM	ITEM NO.	DESCRIPTIONS	UNIT	QUANTITIES
LEVELING PAD	601	Reinforcing Steel	LB/LF	0.668
	602	Concrete Class D	CY/LF	0.03086
DETAIL 1	601	Reinforcing Steel	LB/step	15.46
	602	Add'l Concrete Class D	CY/step	0.08680
DETAIL 2 HALF STEP	601	Reinforcing Steel	LB/step	14.42
	602	Add'l Concrete Class D	CY/step	0.03858
DETAIL 2 FULL STEP	601	Reinforcing Steel	LB/step	16.92
	602	Add'l Concrete Class D	CY/step	0.07716

NOTES:

1. Contractor may submit alternate panel dimension with approval of the Engineer at no additional cost to the project.
2. The acceptable panel joint material between panels shall be proposed by the Contractor with approval of the Engineer, and shall be included in the cost of Item 504 Precast Panel Facing.
3. Geogrid shall be installed full panel width except for a 6" gap on both sides of the panel joint for geotextile cover. When the partial width geogrid is used on precast panels, shear key and key way are required at ends of panels, and they shall be designed and provided by the Contractor with no additional cost to the contract.
4. Panel supplier may submit alternative horizontal and/or vertical joint detail in shop drawing for Engineer's approval. The strength of the proposed alternate shall be equal or exceed shown in the Section C and D.
5. For Sections C & D, at the edge of the joint either bend reinforcement or sheet metal armor is required from top to bottom for full height panel only.

Revision Dates (Preliminary Stage Only): 03/16

Design	INITIAL	DATE
Designed By		
Checked By		

Detail	INITIAL	DATE
Detailed By		
Checked By		

Quantities	INITIAL	DATE
Quantities By		
Checked By		

Print Date: $DATE$
File Name: Sheet_B-504-I4.dgn
Horiz. Scale: NTS Vert. Scale: As Noted
Staff Bridge Branch-Unit 0XXX Unit Leader Initials

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation
4201 East Arkansas Avenue
Room 107
Denver, CO 80222
Phone: 303-757-9309 FAX: 303-757-9197
Staff Bridge Branch Initials

As Constructed
No Revisions:
Revised:
Void:

PANEL FACING M.S.E. WALL DETAILS (PANEL, THROUGH, AND ANGLE POINT JOINTS) (2 OF 3)

Designer: XXXXXXXX
Detailer: XXXXXXXX
Sheet Subset: Wall
Structure Numbers: WALL-X-XX-XX, WALL-X-XX-XX
Subset Sheets: W00 of 00

Project No./Code
Project Number
Code
Sheet Number

$PLOT_INFO$