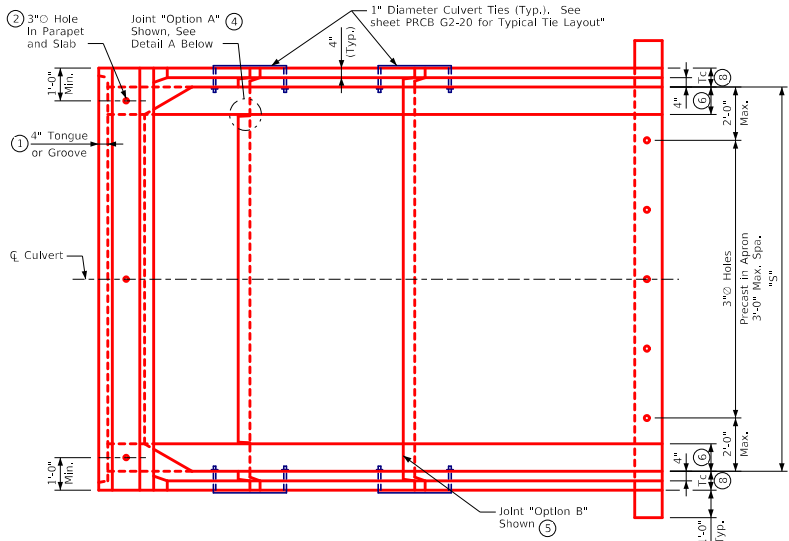
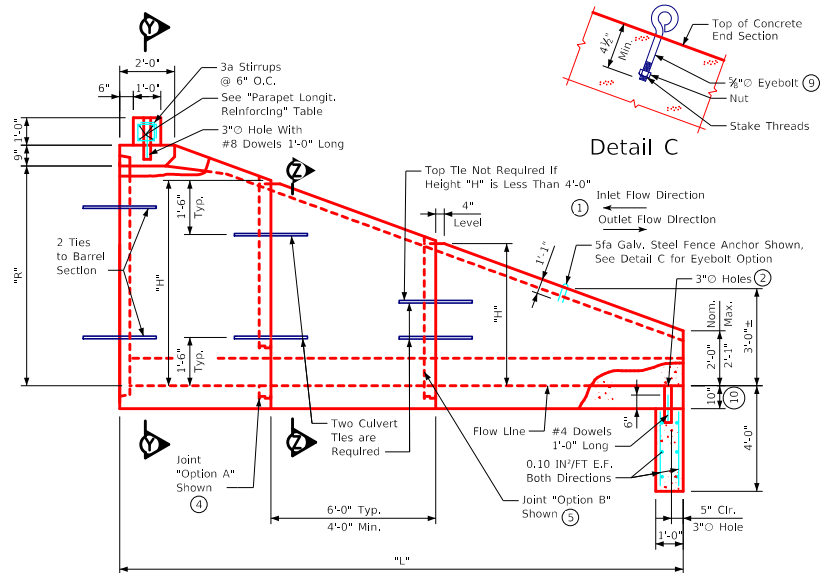


REVISED 10-2021: Updated curtain wall height. Updated wall thickness & inside wall reinforcing in Section Y-Y. Added note reference for floor thickness in Section Z-Z. ENGLISHIGNEDPRECASTCULVERTS.DGN - PES 3-20-T1 S1 - THIS SHEET ISSUED 12-2020.

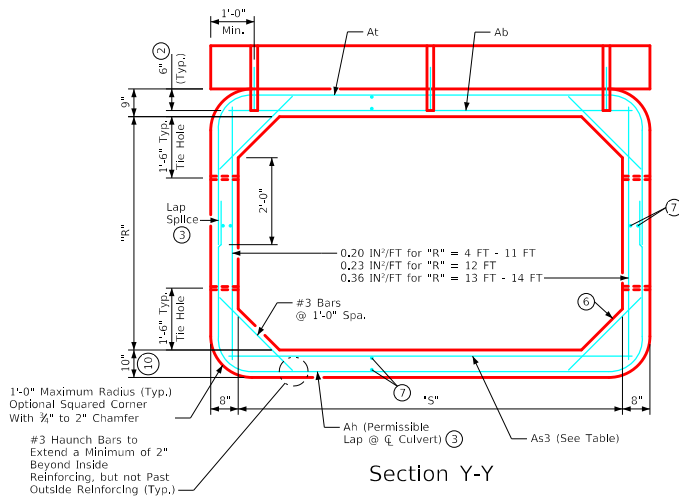


Plan View
(Reinforcement not Shown)



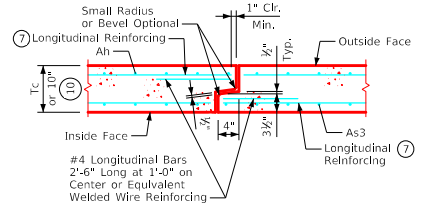
Side Elevation

Note:
L based on 3:1 foreslope.

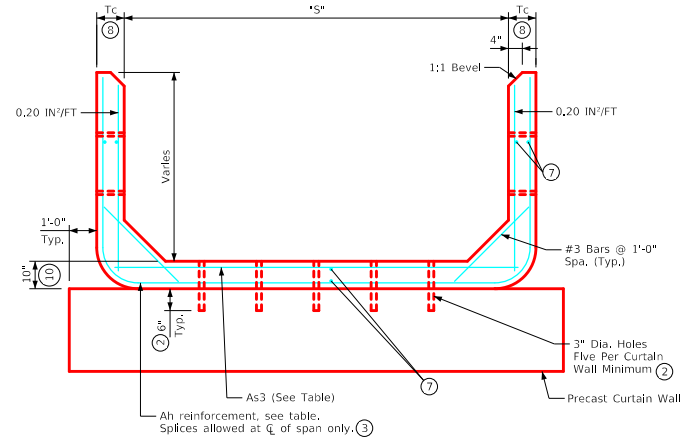


Section Y-Y

1'-0" Maximum Radius (Typ.)
Optional Squared Corner
With 3/4" to 2" Chamfer
#3 Haunch Bars to
Extend a Minimum of 2"
Beyond Inside
Reinforcing, but not Past
Outside Reinforcing (Typ.)

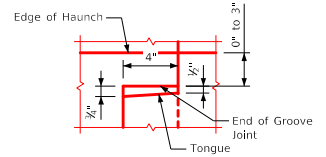


Tongue and Groove Joint Detail



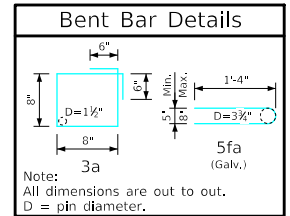
Section Z-Z

Note: See sheet PES 4-20-T1 for additional information and notes used in conjunction with this sheet.



Detail A

(Detail Shown at Floor; Similar at Walls)



Note:
All dimensions are out to out.
D = pin diameter.

10-2021 LATEST REVISION DATE APPROVED BY BRIDGE ENGINEER		
	Standard Design Single Precast Reinforced Concrete Box Culverts December, 2020	
	Type 1 End Section Details For Skews up to 7.5°; 14' - 16' Spans	PES 3-20-T1 Sheet 1 of 2