

□ Fill To Be Free Of Deleterious And Cementitious Material

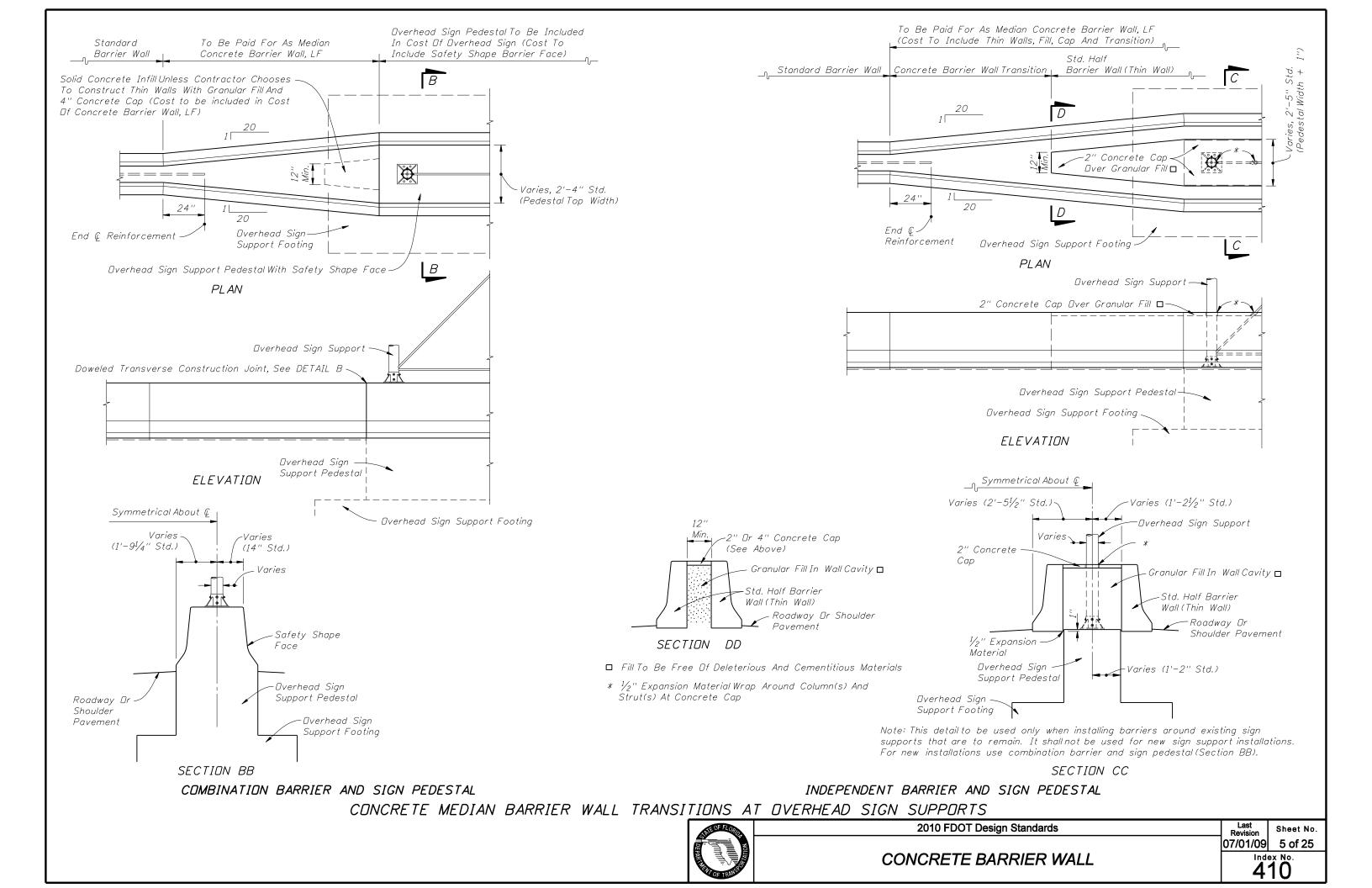
CONCRETE MEDIAN BARRIER WALL TRANSITIONS AT BRIDGE PIERS

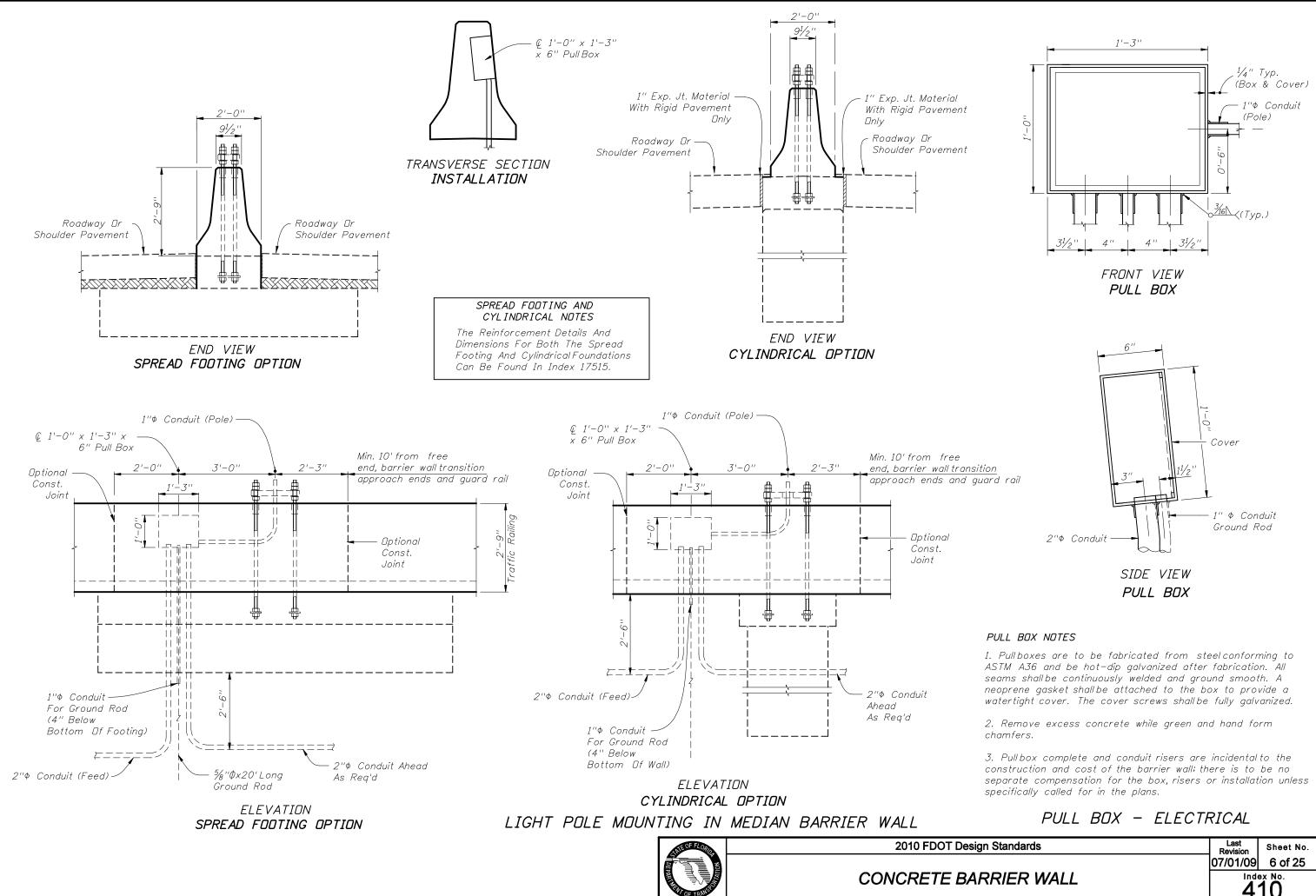
2010 FDOT Design

CONCRETE BAR

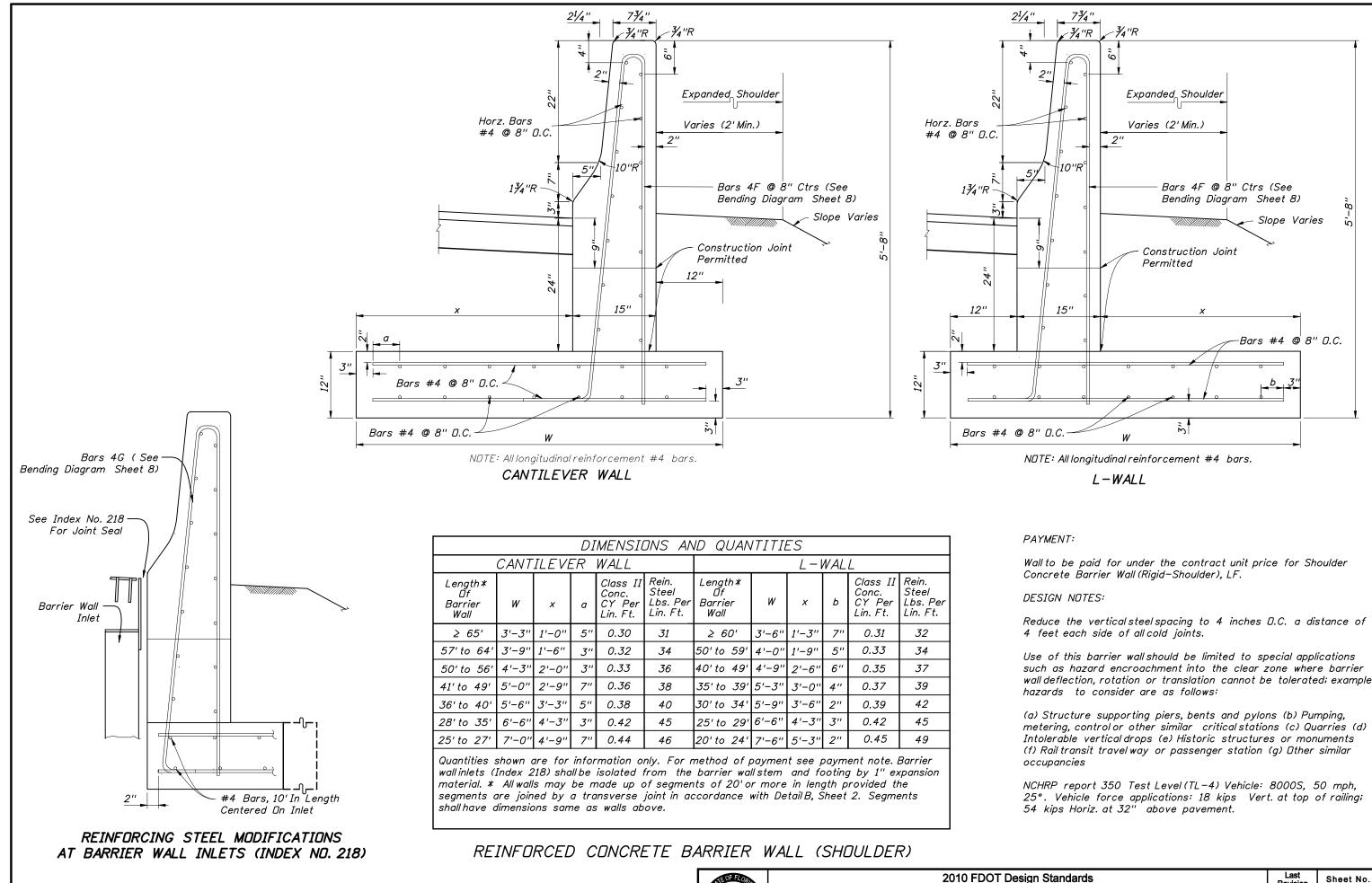
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RRIER WALL	Ind	ex No.
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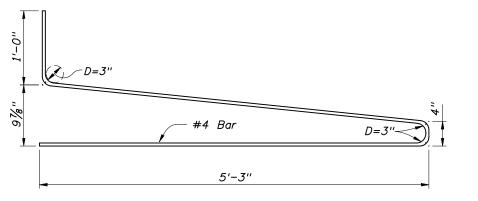


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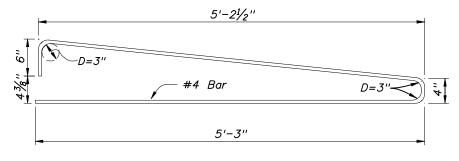


CONCRETE BAR

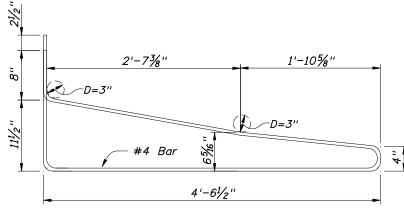
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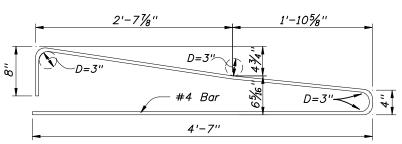








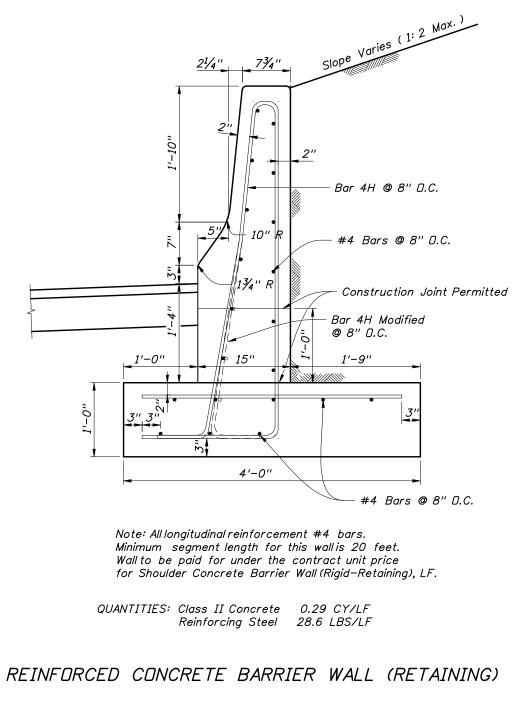
BAR 4H



For Use In Areas Where Obstructions Require Localized Omission Of Toe

BAR 4H MODIFIED

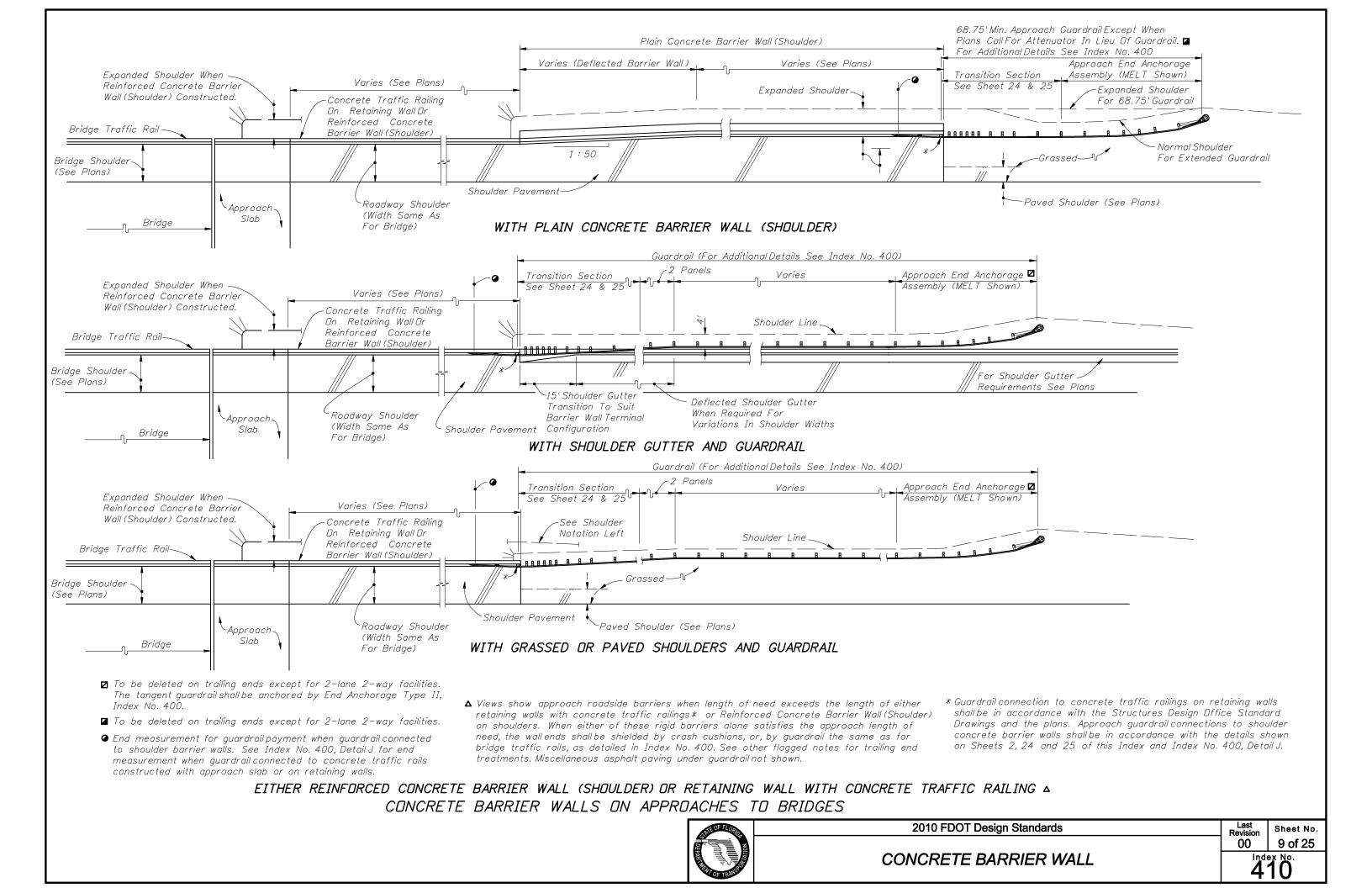
BENDING DIAGRAMS

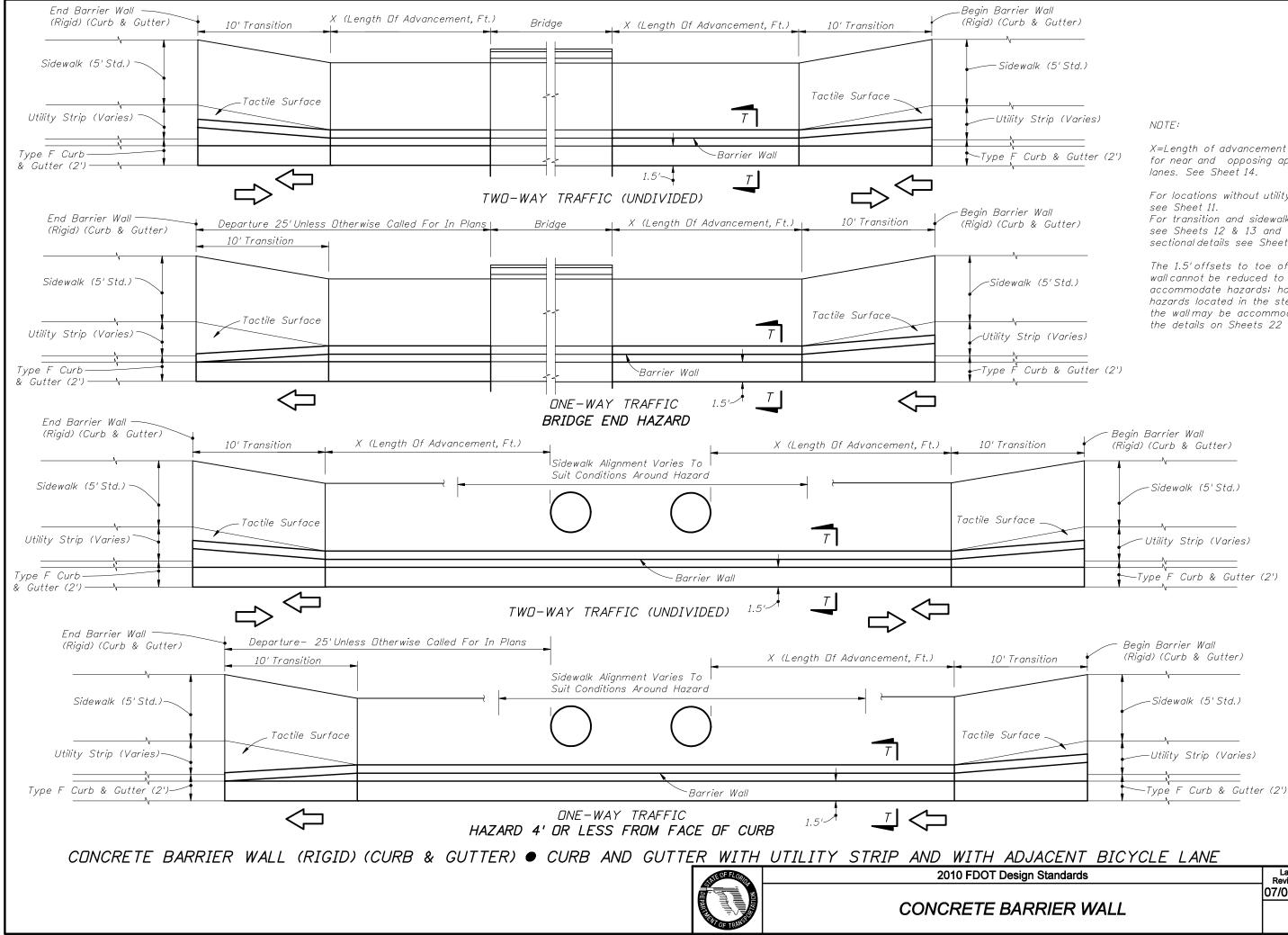






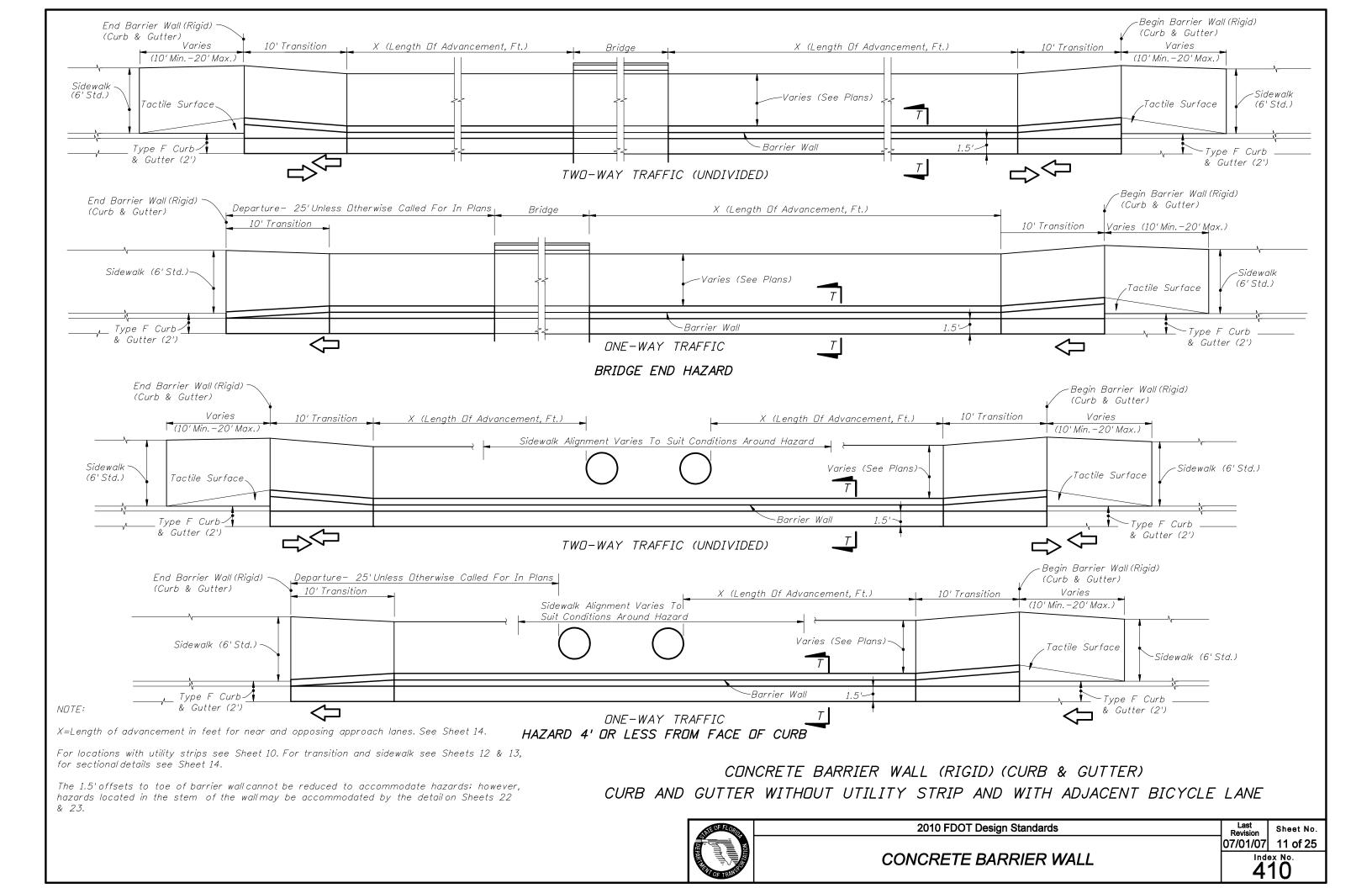
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RIER WALL	-	<sup>∎x</sup> №. 10

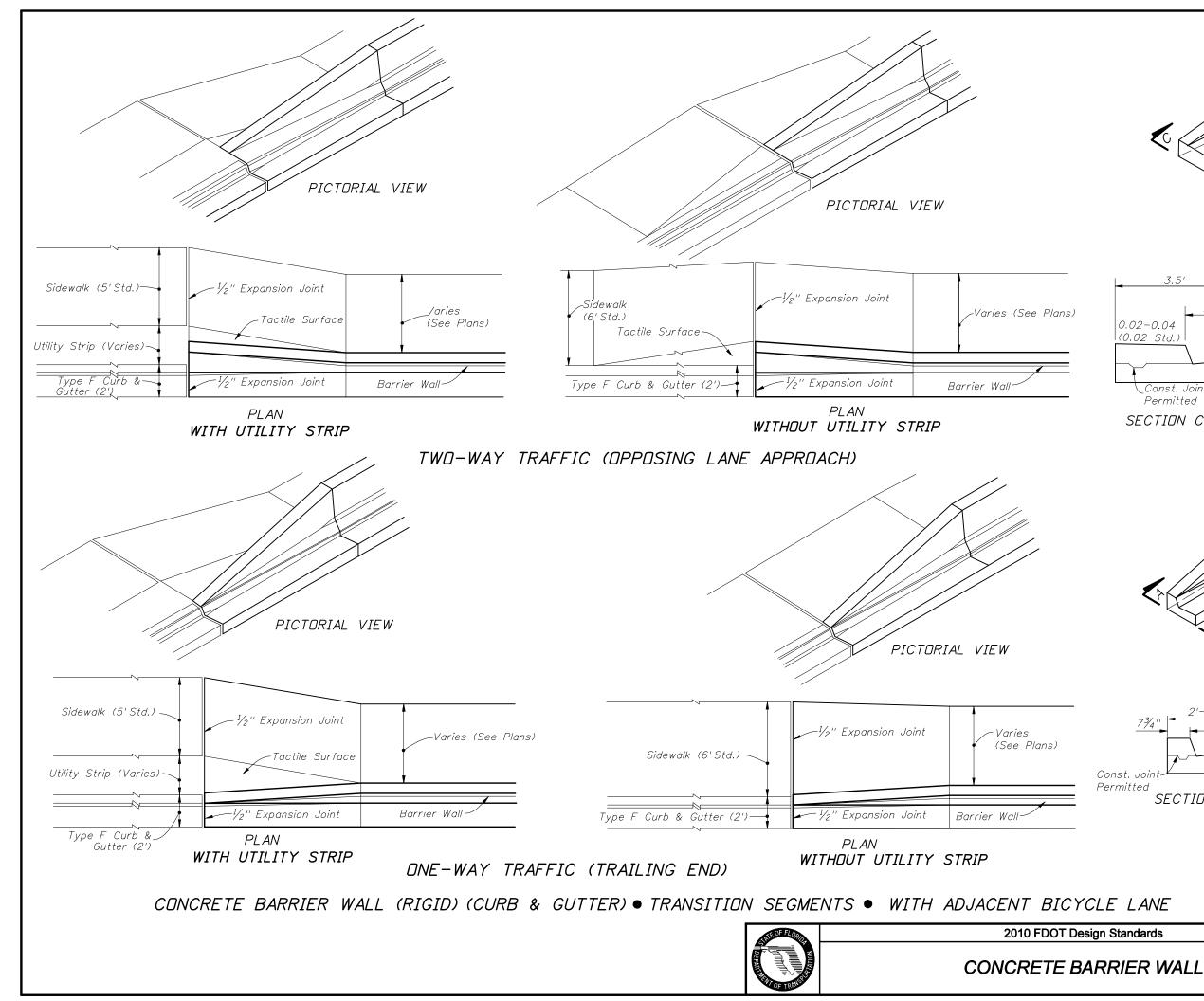


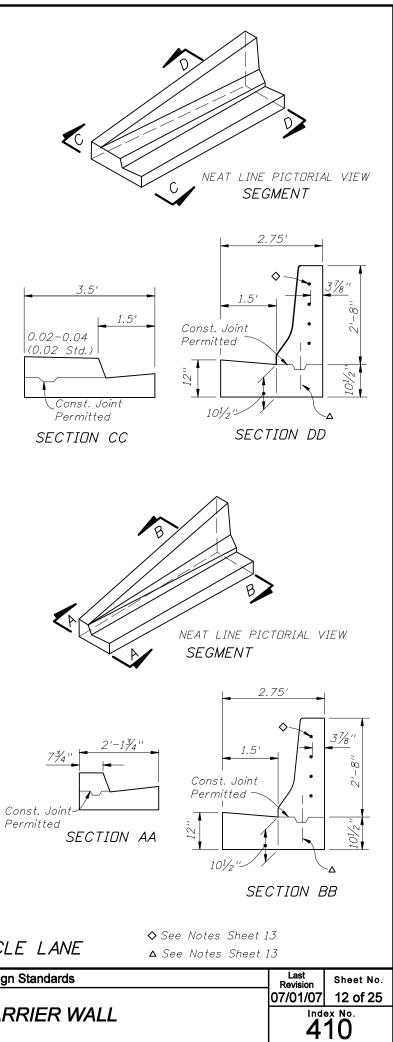


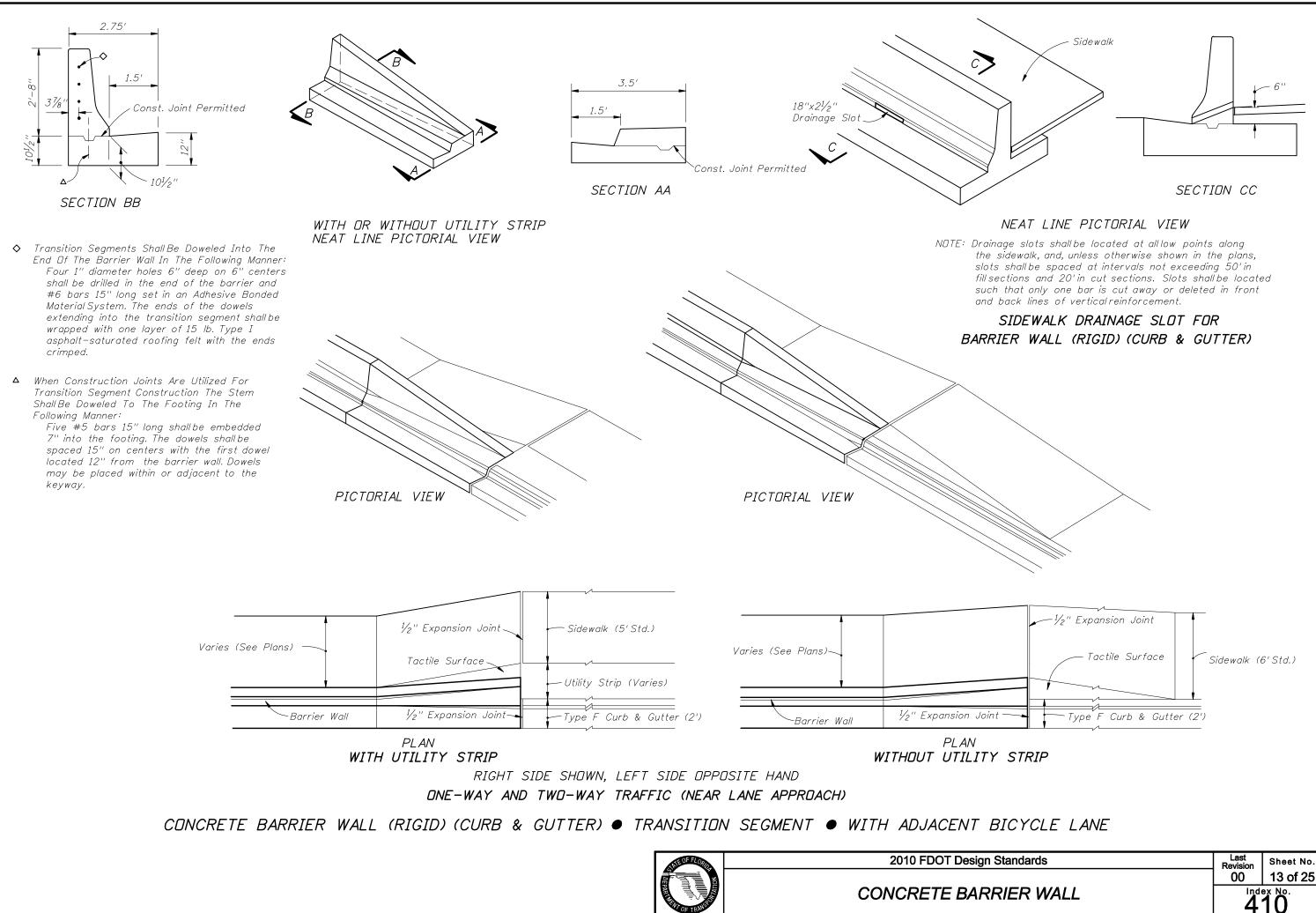
Wall & Gutter)	
lk (5' Std.)	
Strip (Varies)	NOTE:
urb & Gutter (2')	X=Length of advancement in feet for near and opposing approach lanes. See Sheet 14.
Wall & Gutter)	For locations without utility strips see Sheet 11. For transition and sidewalk details see Sheets 12 & 13 and for sectional details see Sheet 14.
(5' Std.)	The 1.5' offsets to toe of barrier wall cannot be reduced to accommodate hazards: however, hazards located in the stem of the wall may be accommodated by
ip (Varies)	the details on Sheets 22 & 23.

IACENT BICYCLE LANE		
n Standards	Last Revision	Sheet No.
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RIER WALL	Index No. 410	

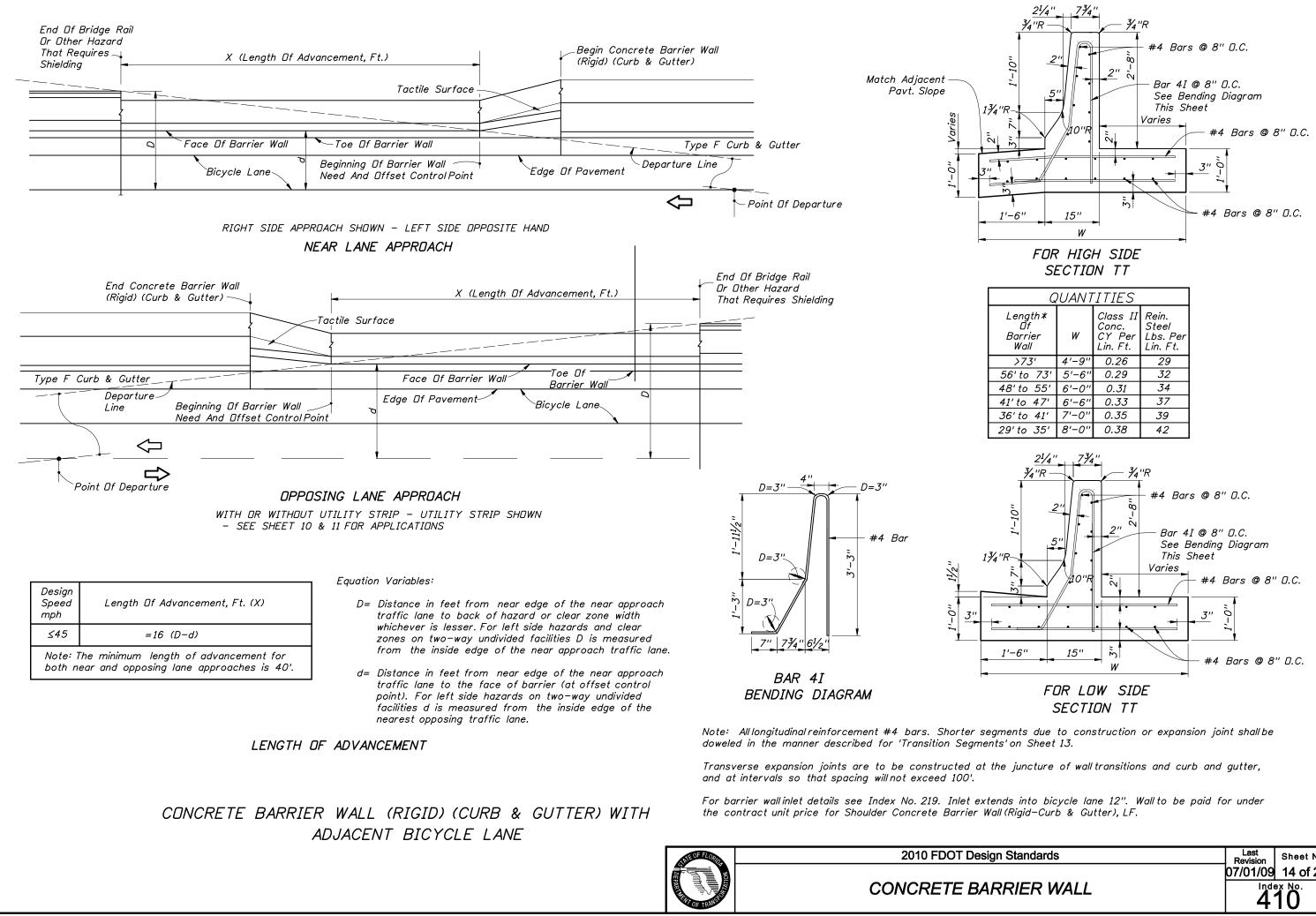






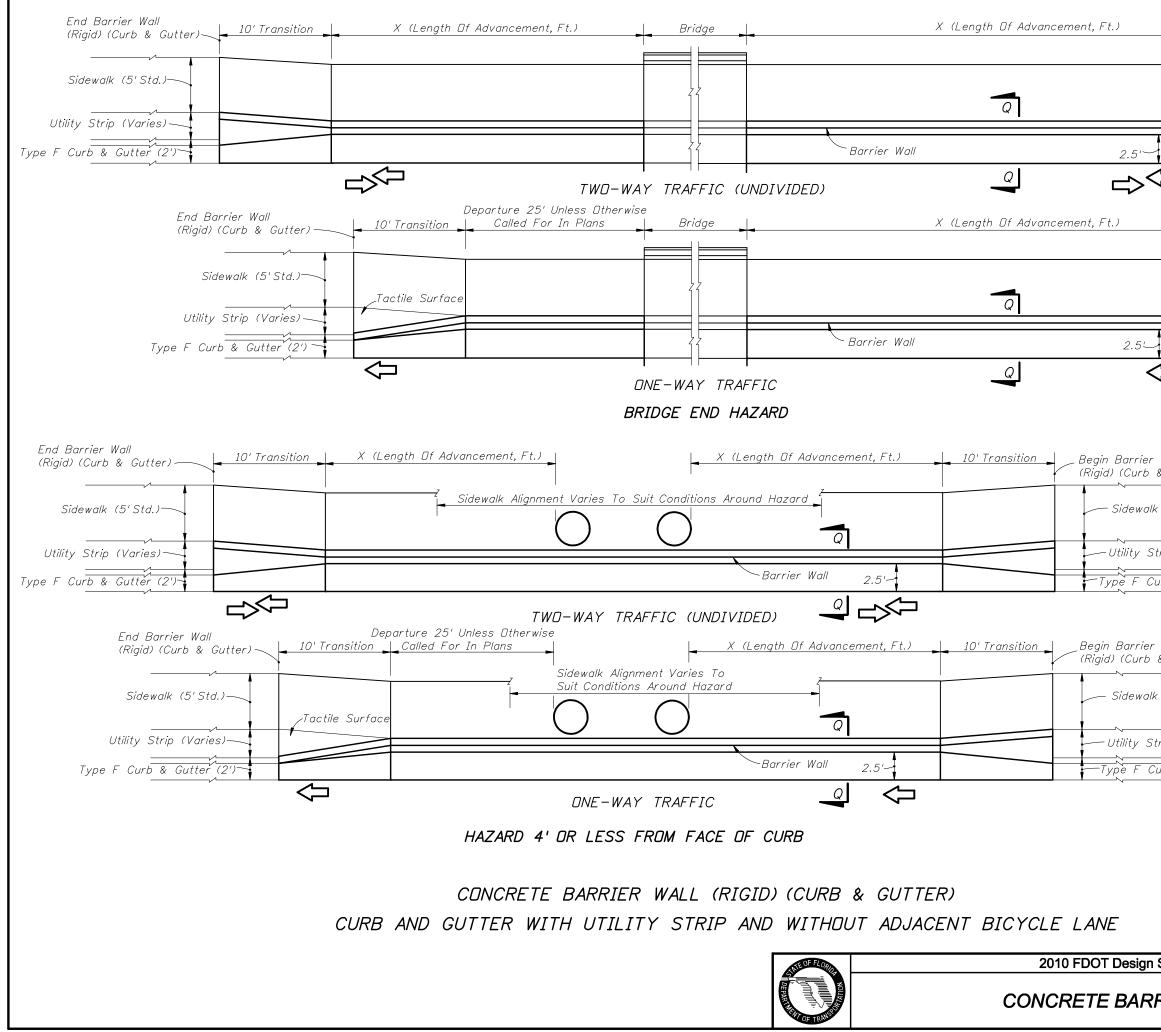


n Standards	Revision	Sheet No.
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RIER WALL		

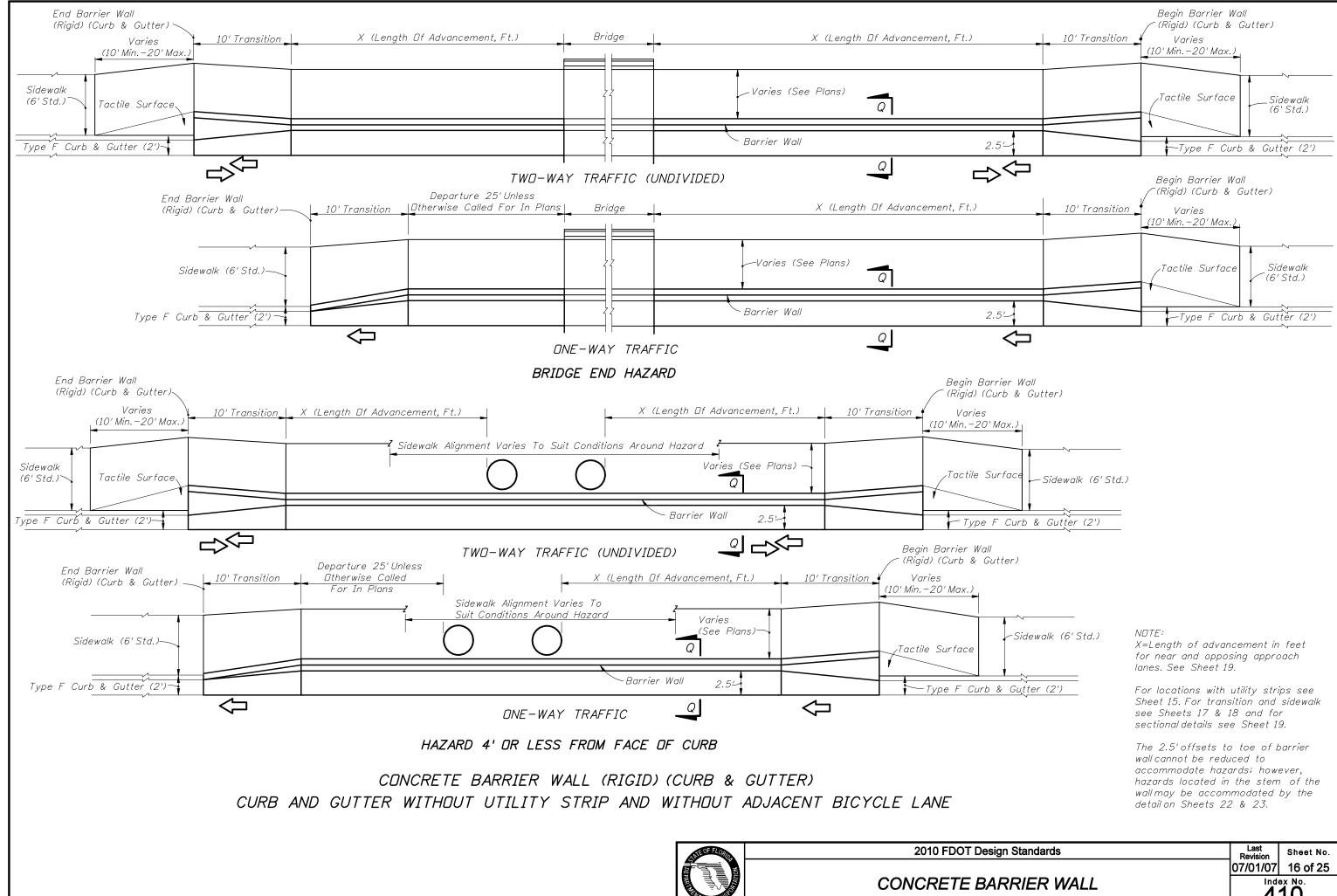


Ģ	QUANTITIES				
Length* Df Barrier Wall	W	Class II Conc. CY Per Lin. Ft.	Rein. Steel Lbs. Per Lin. Ft.		
>73'	4'-9"	0.26	29		
56' to 73'	5'-6"	0.29	32		
48'to 55'	6'-0"	0.31	34		
41' to 47'	6'-6"	0.33	37		
36' to 41'	7'-0''	0.35	39		
29' to 35'	8'-0"	0.38	42		

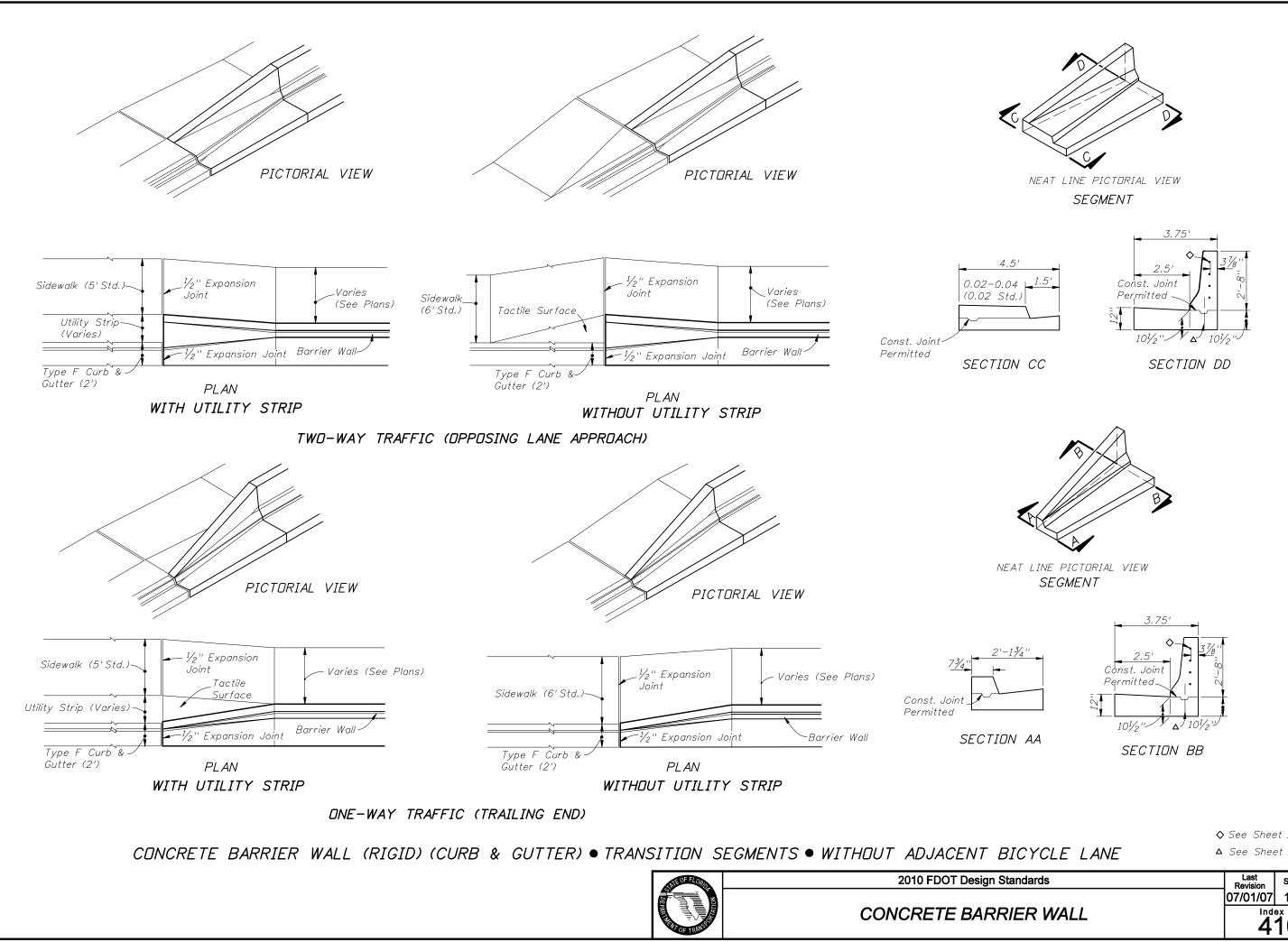
n Standards	Last Revision	Sheet No.
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RIER WALL	<sup>Inde</sup> 4	10 <sup>°</sup>



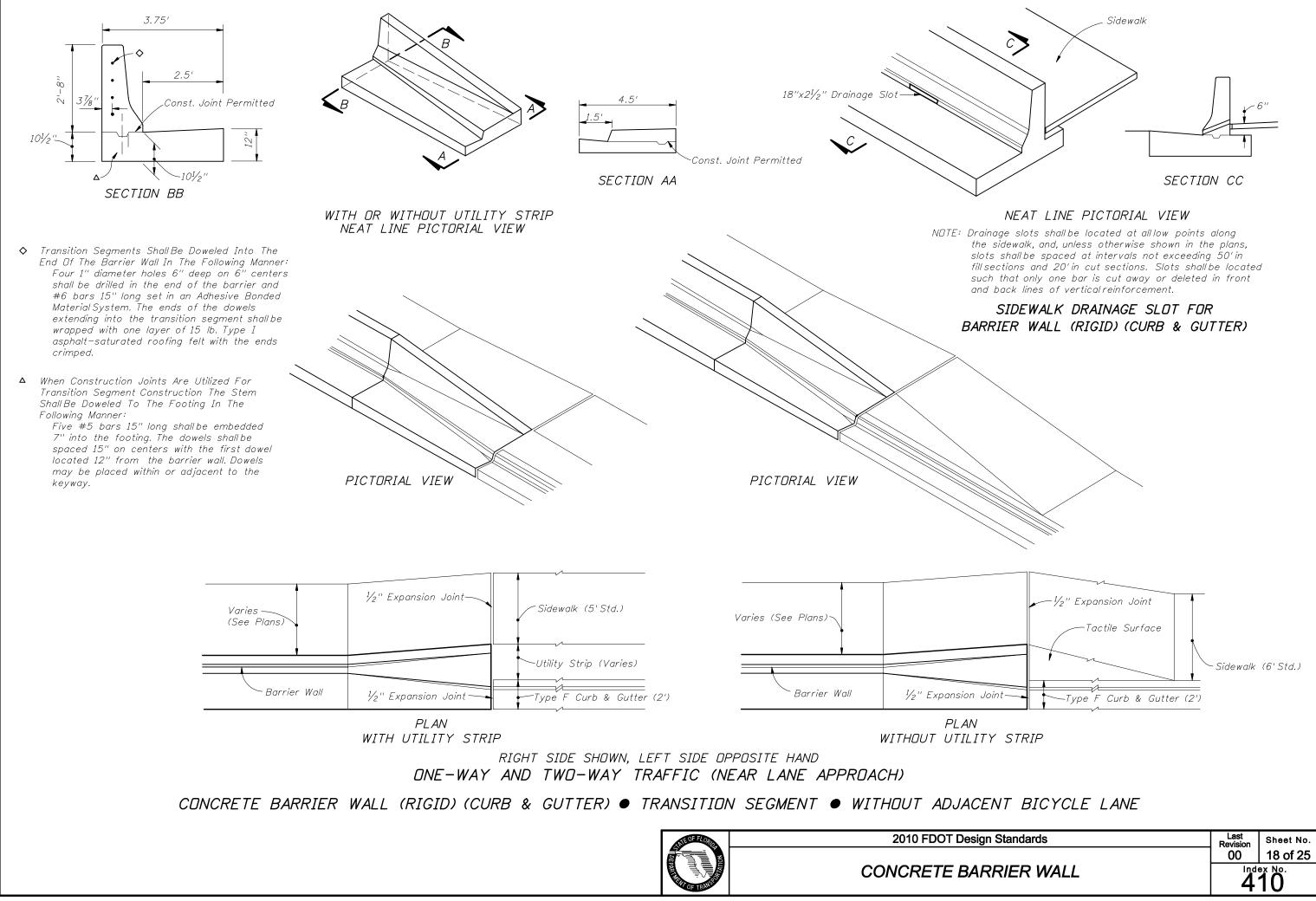
	4	10
RRIER WALL		•x No.
i Stanuarus	Revision 00	Sheet No. 15 of 25
n Standards	Last	Shoot N-
X=Length of advancement in feet for ne opposing approach lanes. See Sheet 19 For locations without utility strips see S For transition and sidewalk see Sheets for sectional details see Sheet 19. The 2.5' offsets to toe of barrier wall or reduced to accommodate hazards; how located in the stem of the wall may be by the details on Sheets 22 & 23.	Sheet 16. 17 & 18 cannot be vever, haz	zards
NOTE:		
Curb & Gutter (2')		
 Strip (Varies)		
lk (5' Std.)		
r Wall & Gutter)		
Curb & Gutter (2')		
Strip (Varies)		
lk (5' Std.)		
r Wall & Gutter) 		
r Wall		
Utility S Type F Co	trip (Varie  urb & Gui	
		)
Sidewalk	(5' Std.)	
10' TransitionBegin Barrier (Rigid) (Curb &	Wall & Gutter)	
Type F CL		
Utility S	trip (Vari	es)
Sidewalk	(5' Std.)	
(Rigid) (Curb	& Gutter) 	
10' Transition Begin Barrier	Wall	



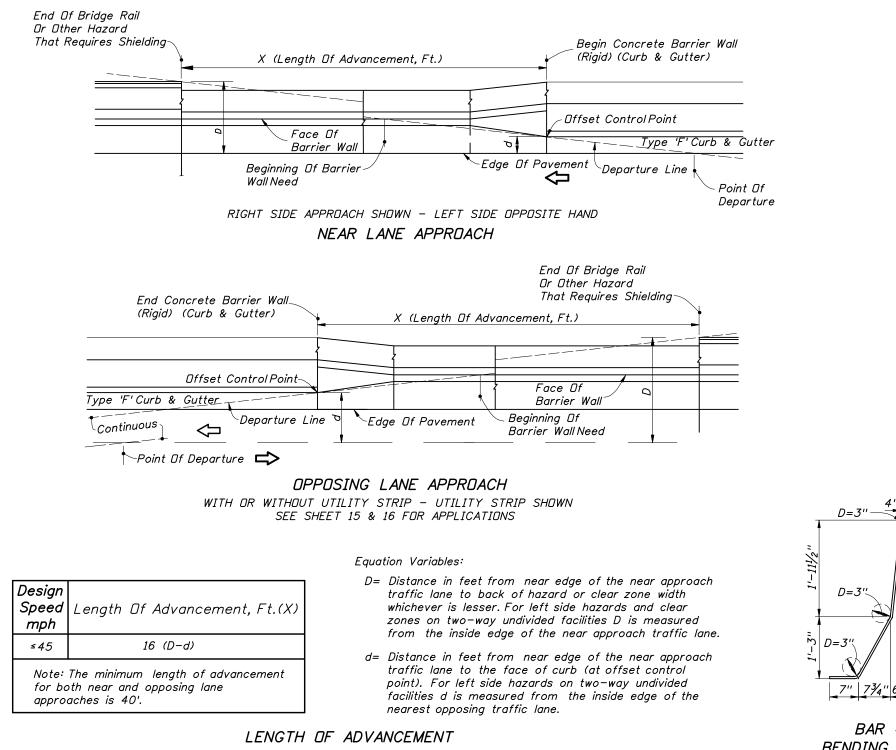
RIER WALL			<sup>■</sup> * <sup>№</sup> 0. 10
Standards		Last Revision 07/01/07	Sheet No. 16 of 25
	The 2.5' offsets to toe of barrier wall cannot be reduced to accommodate hazards: however, hazards located in the stem of the wall may be accommodated by the detail on Sheets 22 & 23.		
Gutter (2')	For locations with utility strips see Sheet 15. For transition and sidewalk see Sheets 17 & 18 and for sectional details see Sheet 19.		
-Sidewalk (6' Std.)	NDTE: X=Length of advan for near and oppos lanes. See Sheet 15	sing appro	



♦ See Sheet 19 △ See Sheet 19 Sheet No. 07/01/07 17 of 25 410



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	•x №. <b>10</b>
	Revision 00



Match Adjacent Pavt. Slope Ć

QUANTITIES					
Length* Of Barrier Wall	W	Class II Conc. CY Per Lin. Ft.	Rein. Steel Lbs. Per Lin. Ft.		
>73'	4'-9''	0.26	29		
56' to 73'	5'-6''	0.29	32		
48' to 55'	6'-0''	0.31	34		
41' to 47'	6'-6"	0.33	37		
36' to 41'	7'-0''	0.35	39		
29' to 35'	8'-0"	0.38	42		

D=3'#4 Rar 7" 73/4" 61/2 2'-6" BAR 4I BENDING DIAGRAM

be dowled in the manner described for 'Transition Segments' on Sheet 18.

Transverse expansion joints are to be constructed at the juncture of wall transitions and curb and gutter, and at intervals so that spacing will not exceed 100'.

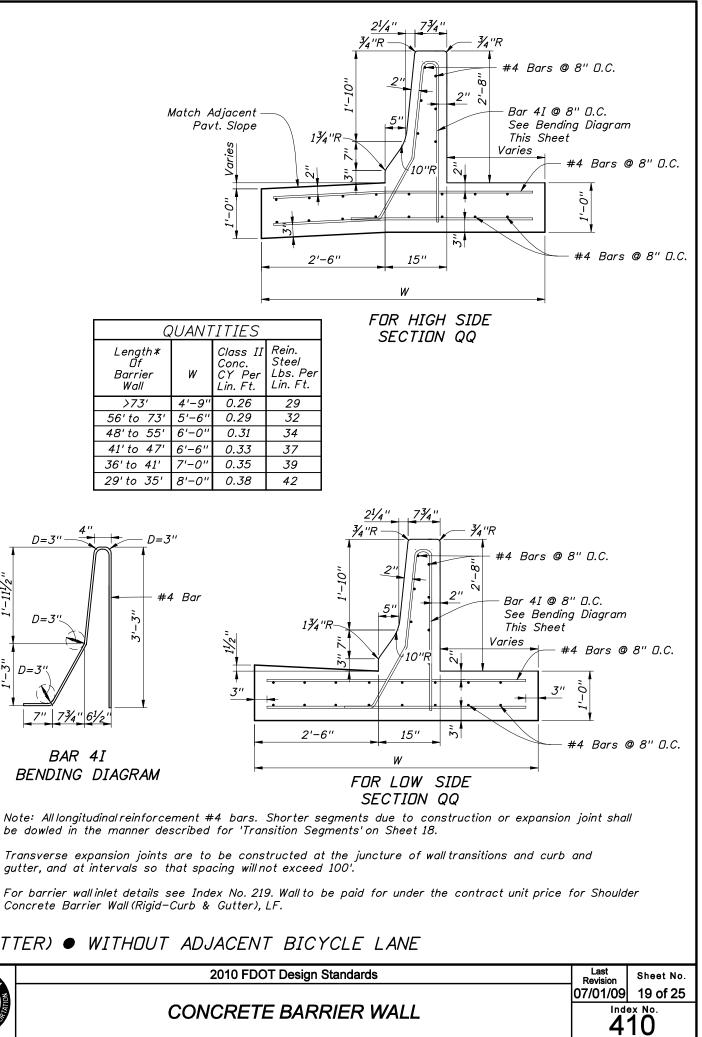
Concrete Barrier Wall (Rigid-Curb & Gutter), LF.

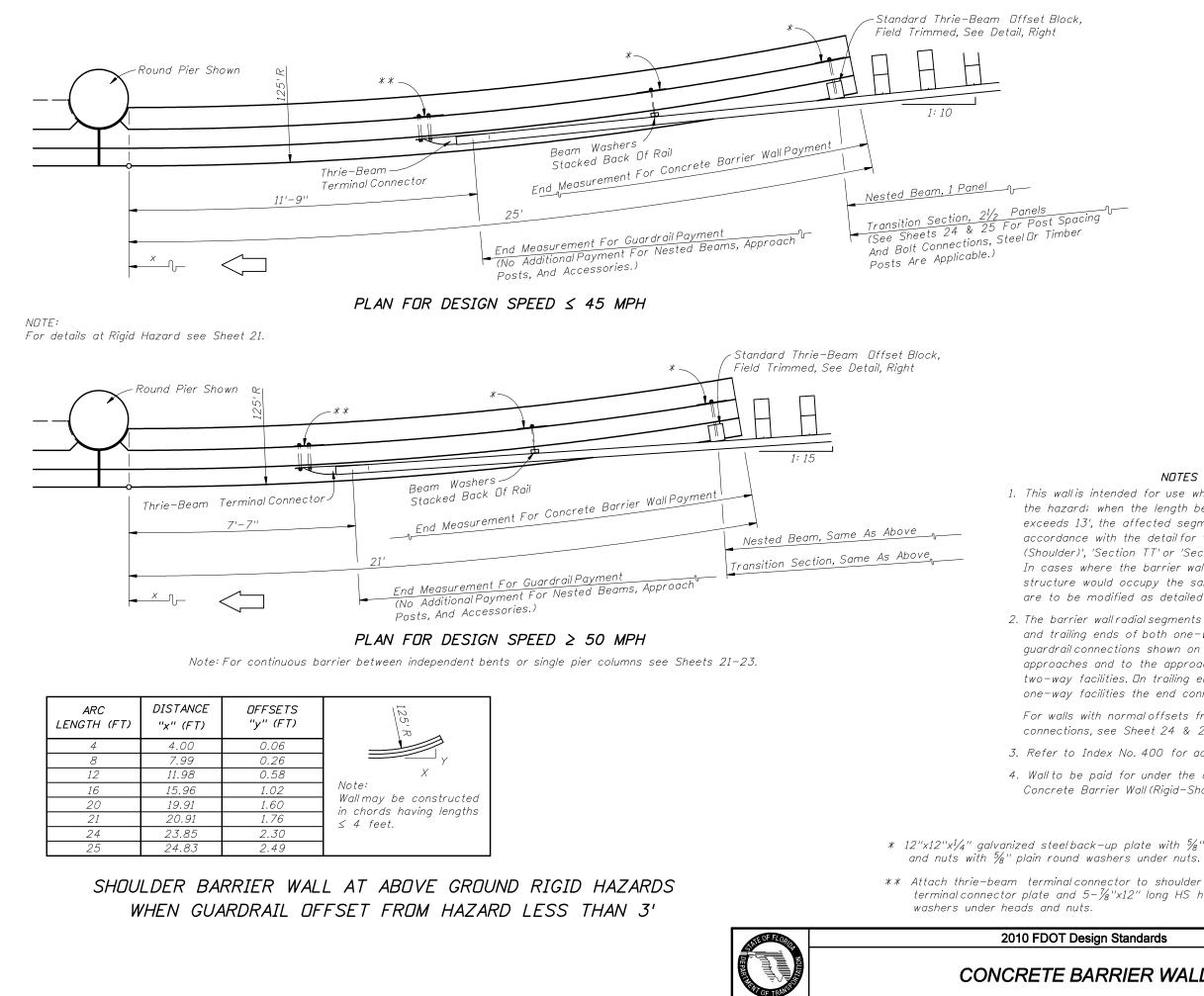
# CONCRETE BARRIER WALL (RIGID) (CURB & GUTTER) ● WITHOUT ADJACENT BICYCLE LANE

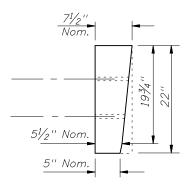


2010 FDOT Design Standards

## CONCRETE BARRIER WALL







FOR USE WITH EITHER 1:10 DR 1:15 GUARDRAIL TRANSITIONS

STANDARD THRIE-BEAM OFFSET BLOCK (FIELD TRIMMED)

### NOTES

1. This wall is intended for use where the wall has bearing against the hazard; when the length between bent supports or pier columns exceeds 13', the affected segments shall be constructed in accordance with the detail for 'Reinforced Concrete Barrier Wall (Shoulder)', 'Section TT' or 'Section QQ', this index. In cases where the barrier wall and slope pavement or other structure would occupy the same location, the wall and structure are to be modified as detailed in the plans.

2. The barrier wall radial segments are intended for use on approach and trailing ends of both one-way and two-way facilities. The quardrail connections shown on this sheet apply to one-way approaches and to the approaching and trailing ends of two-lane two-way facilities. On trailing ends of two-way multilane and one-way facilities the end connection on Sheet 1 may be used.

For walls with normal offsets from hazards and their quardrail connections, see Sheet 24 & 25.

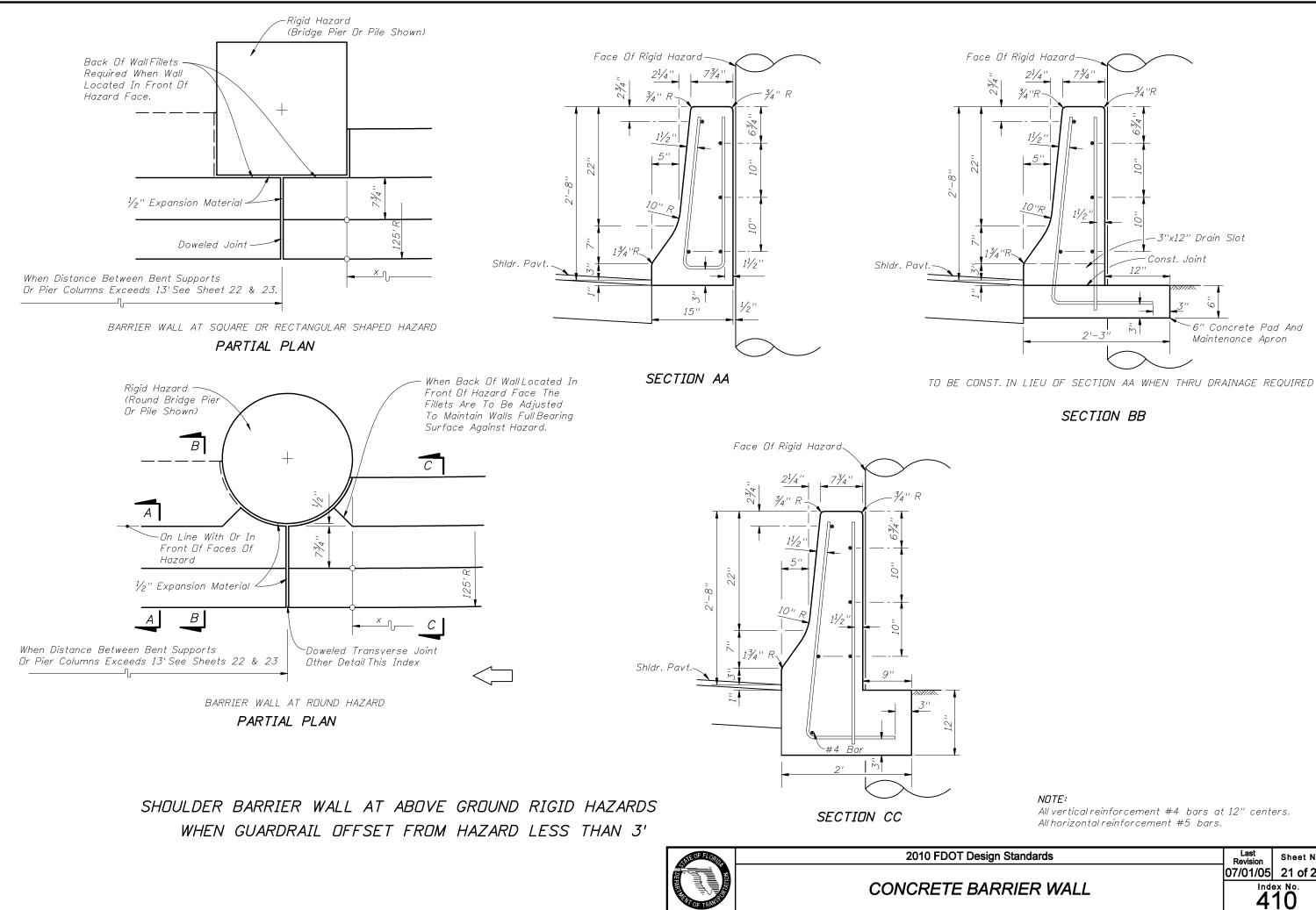
3. Refer to Index No. 400 for additional guardrail information.

4. Wall to be paid for under the contract unit price for Shoulder Concrete Barrier Wall (Rigid-Shoulder), LF.

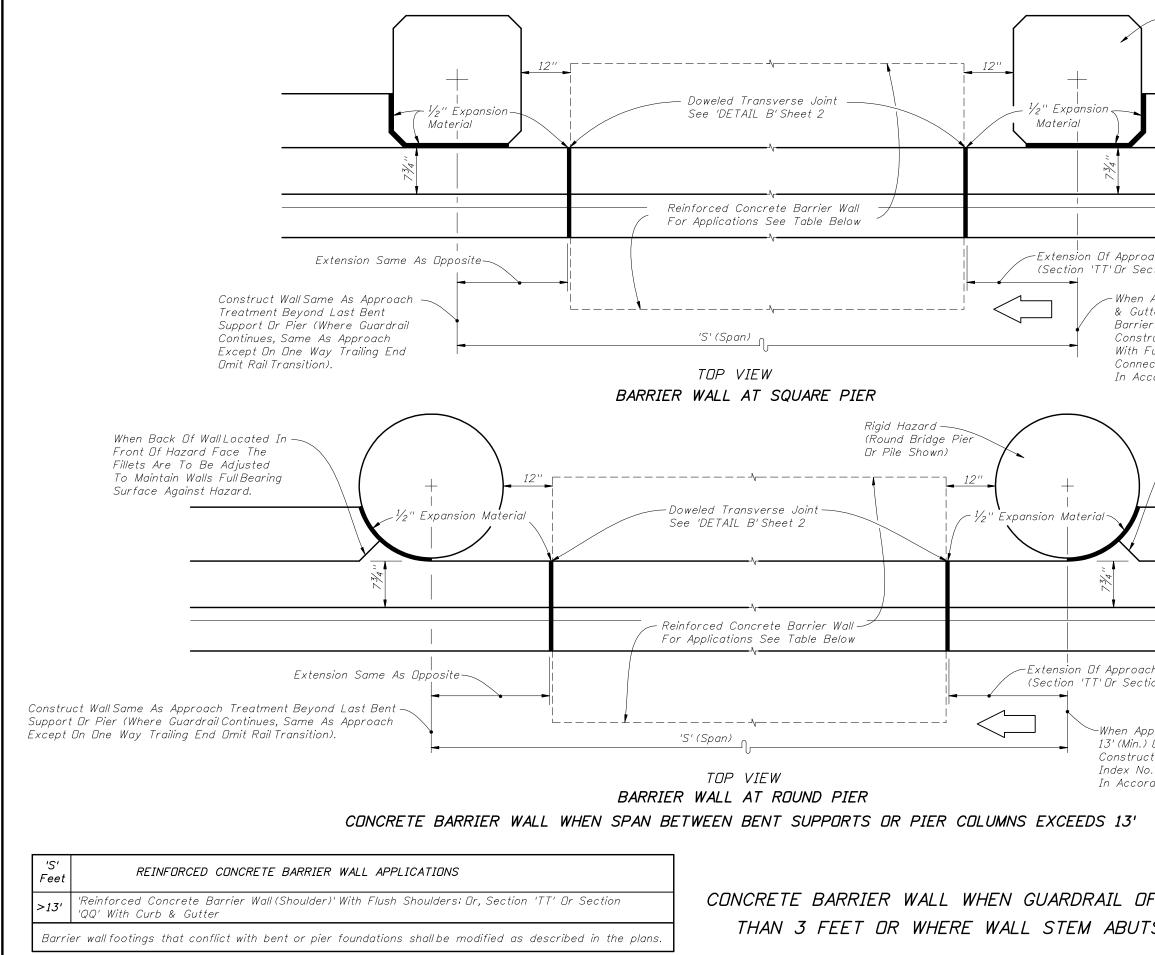
\*  $12'' \times 12'' \times 14''$  galvanized steelback-up plate with  $\frac{5}{8}''$  post bolts (either 14'' or 18'' long)

\*\* Attach thrie-beam terminal connector to shoulder barrier wall with a 21"x12"x5%" thrie beam terminal connector plate and  $5-\frac{7}{6}$ "x12" long HS hex bolts and nuts with  $\frac{7}{6}$ " plain round

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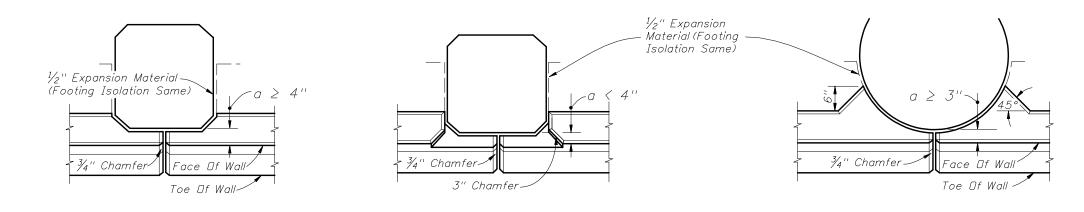
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2010 FDOT Design

/ Rigid Hazard (Square Bridge Pier Or Pile Shown)					
pach Section 'AA', 'BB' Or 'CC' ( action 'QQ' With Curb & Gutter	Approach)	)	own)		
Approach Shielding Is Guardro tter, Construct 13' (Min.) Of Cor er Wall, Section 'TT' Dr Section truct Curb & Gutter Flare At E Full Height Curb, Index No. 300 ect Guardrail To Wall With Trans cordance With Sheet Nos. 24	ncrete 'QQ'; Ind Of Walı And, Sition Rails	/			
When Back Of Wall L Front Of Hazard Fa Fillets Are To Be A To Maintain Walls F Surface Against Haz	ce The djusted ull Bearing	)			
ch Section 'AA', 'BB' Dr 'CC' (Se tion 'QQ' With Curb & Gutter A		'Show	n)		
oproach Shielding Is Guardrail A ) Df Concrete Barrier Wall, Sec ct Curb & Gutter Flare At End o. 300; And, Connect Guardrail 1 rdance With Sheet Nos. 24 &	tion 'TT' D. Df Wall Wi To Wall Wit	r Sec th Fu	tion 'QC Il Height	⊇'; Curb,	
FFSET FROM BENT TS SUPPORTS OR F				SS	
n Standards			Last Revision	Sheet	No.
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NIER WALL			4	10	



TOP VIEWS

'a' Varies (Circular Or Octagonal Hazard Not More Than 2" In Front Of Face Of Wall). Applicable To Sections 'AA' And 'BB' With Spans Of ≤ 13', And To Section 'CC', Sheet No. 21. Applicable To Other Rigid Walls Of This Index For Spans > 13' Unless Otherwise Shown In The Plans.

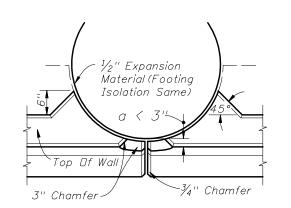
HAZARD PENETRATING STEM OF RIGID CONCRETE BARRIER WALLS

The details on sheets 22 & barrier walls depicted on She impose reduced clearances be Bridge bent supports and piers applicable to hazards that canno See the plans for limits of wall see wall treatments.

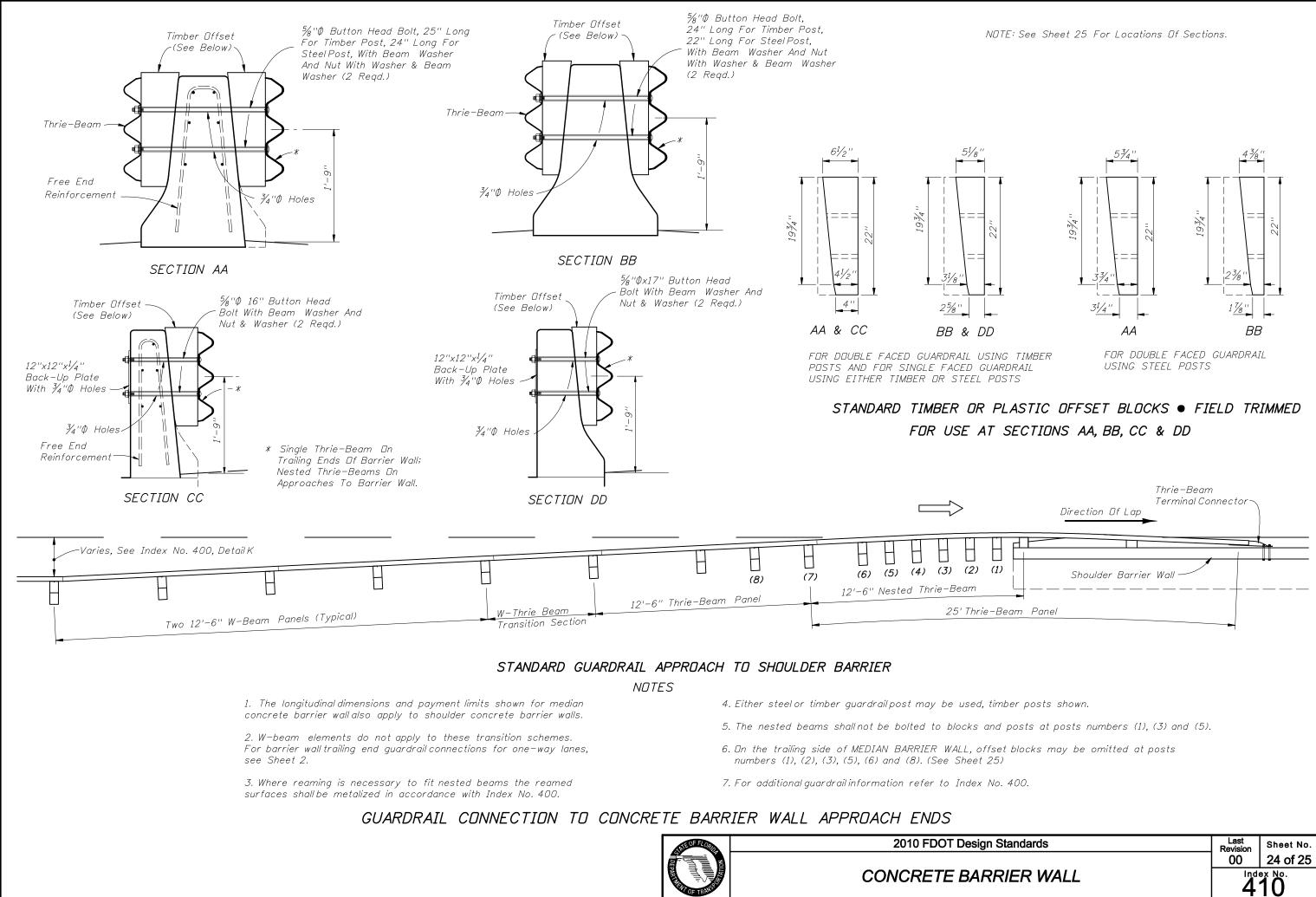


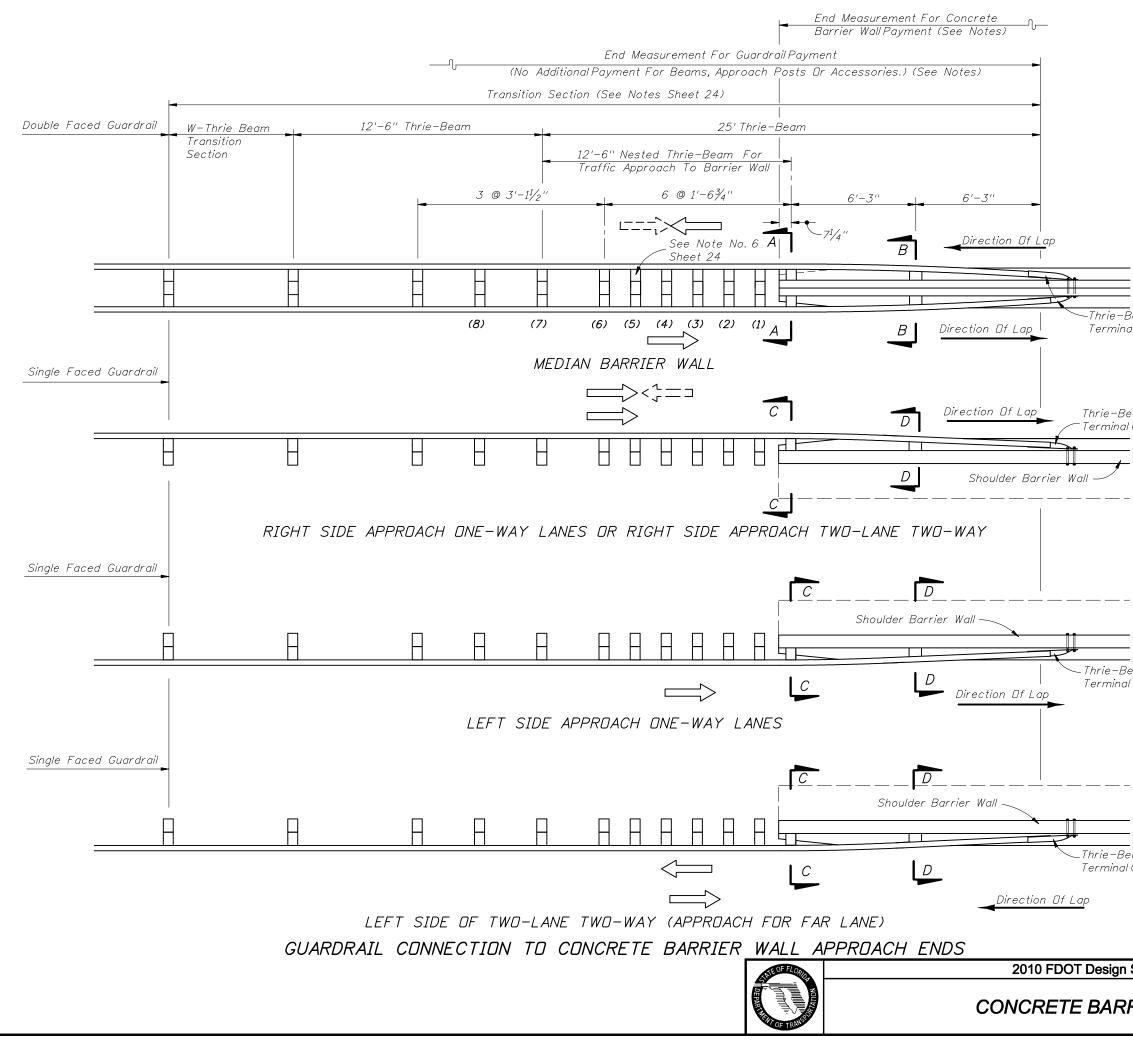


CONCRETE BAR



& 23 are treatments to the F-shape co eet Nos. 9 through 19, where site conditio etween above ground hazards and the wa are shown. These treatments are not of provide lateral support for the walls. ections applied and other associated	ns 🖊	7
	_/	
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Standards RIER WALL	Last Revision 00	Sheet No. 25 of 25
~		
- eam I Connector		
-		
-		
- eam I Connector		
-		
long HS hex bolts and nuts with $\frac{7}{8}$ " p washers under heads and nuts.	lain round	
况'' plain round washers under heads a Attach to shoulder barrier wallwith a 2 thrie−beam terminalconnector plate a	nd nuts. 21''x12''x5% nd 5-7%''x	'' :12''
Attach thrie-beam terminal connector wall with 5-76"x15" long HS hex bolts	and nuts	barrier with
-		
- - -		
eam I Connector		
al Connector		
- Beam		
Guardrail and Offset Block Views		עע נ
NDTE: See Sheet 24 For Section AA, E	B, CC and	1 00