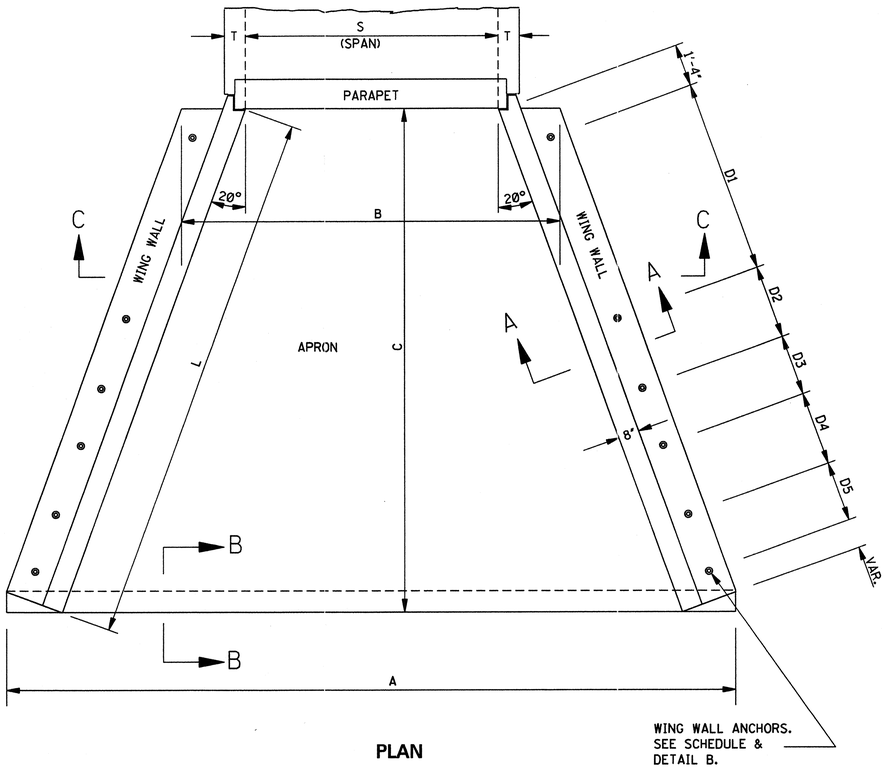
STATE	PROJECT NO.
MISS.	

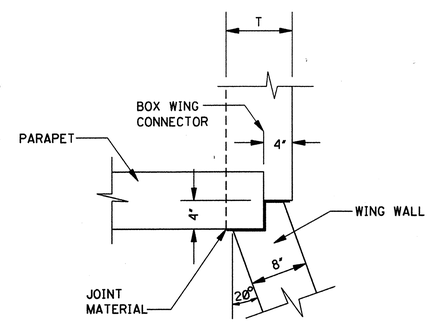


PLAN

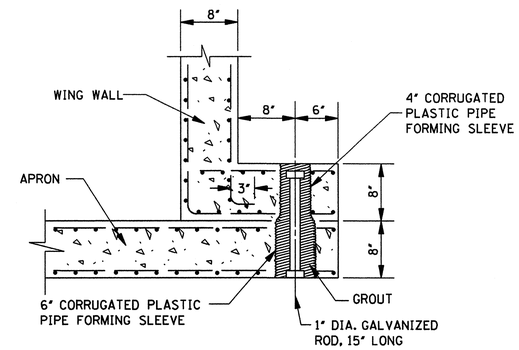
TABLE OF DIMENSIONS

SPAN S	RISE R	WALL THICKNESS T	APRON WIDTH A	APRON WIDTH B	APRON LENGTH C	WEIGHTS: INSIDE APRON TONS	WEIGHTS: MIDDLE APRON TONS	WEIGHTS: TOE WALL APRON TONS	WING HEIGHT H	WING LENGTH L	WING HEIGHT W	WEIGHT TONS	WING WALL ANCHORS: D1	D2	D3	D4	D5	REINFORCING STEEL ✱: S1	S2	S3	S4	S5	S6
4'	2'					NOT AVAILABLE																	
4'	4'					NOT AVAILABLE																	
6'	4'	8"	15'-3¼"	9'-11"	8'-0"	-	-	5.7	4'-8"	8'-4"	1'-10"	1.9	6'-2"	-	-	-	-	.10	.10	.10	.10	.10	.10
8'	4'	8"	17'-3¼"	11'-11"	8'-0"	-	-	6.5	4'-8"	8'-4"	1'-10"	1.9	6'-2"	-	-	-	-	.10	.10	.10	.10	.10	.10
10'	4'	10"	19'-3¼"	13'-11"	8'-0"	-	-	7.3	4'-8"	8'-4"	1'-10"	1.9	6'-2"	-	-	-	-	.10	.10	.10	.10	.10	.10
6'	5'	8"	15'-3¼"	9'-11"	8'-0"	-	-	5.7	5'-8"	8'-4"	2'-10"	2.3	6'-2"	-	-	-	-	.12	.10	.10	.10	.10	.10
8'	5'	8"	17'-3¼"	11'-11"	8'-0"	-	-	6.5	5'-8"	8'-4"	2'-10"	2.3	6'-2"	-	-	-	-	.12	.10	.10	.10	.10	.10
10'	5'	10"	19'-3¼"	13'-11"	8'-0"	-	-	7.3	5'-8"	8'-4"	2'-10"	2.3	6'-2"	-	-	-	-	.12	.10	.10	.10	.10	.10
6'	6'	8"	18'-2"	9'-11"	12'-0"	5.1	-	4.0	6'-8"	12'-7"	2'-5"	3.6	6'-2"	2'-4"	1'-11"	-	-	.20	.10	.10	.10	.10	.10
8'	6'	8"	20'-2"	11'-11"	12'-0"	5.9	-	4.5	6'-8"	12'-7"	2'-5"	3.6	6'-2"	2'-4"	1'-11"	-	-	.20	.10	.10	.10	.10	.10
10'	6'	10"	22'-2"	13'-11"	12'-0"	6.7	-	5.0	6'-8"	12'-7"	2'-5"	3.6	6'-2"	2'-4"	1'-11"	-	-	.20	.10	.10	.10	.10	.10
8'	8'	8"	23'-1"	11'-11"	16'-0"	5.9	3.8	5.2	8'-8"	16'-11"	3'-0"	5.9	6'-2"	2'-4"	1'-11"	2'-4"	1'-11"	.45	.10	.10	.10	.10	.10
10'	8'	10"	25'-1"	13'-11"	16'-0"	6.7	4.2	5.6	8'-8"	16'-11"	3'-0"	5.9	6'-2"	2'-4"	1'-11"	2'-4"	1'-11"	.45	.10	.10	.10	.10	.10

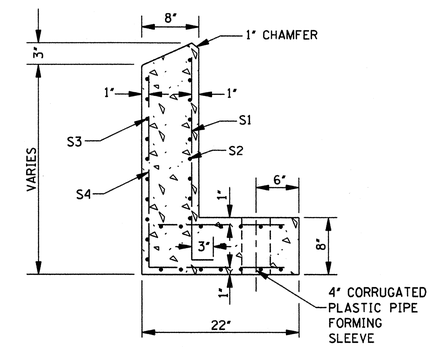
✱REINFORCING STEEL SCHEDULE - SQUARE INCHES OF STEEL PER LINEAR FOOT OF WING.



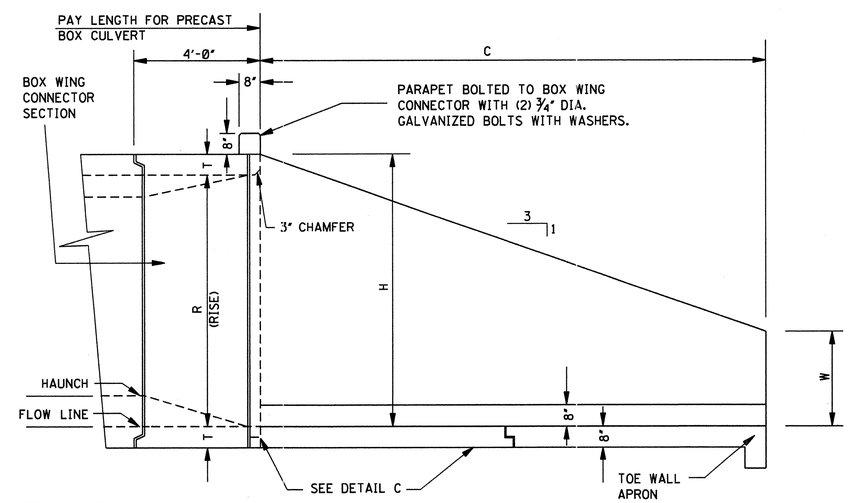
DETAIL A



DETAIL B



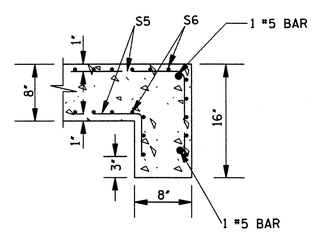
WING WALL
SECTION A–A



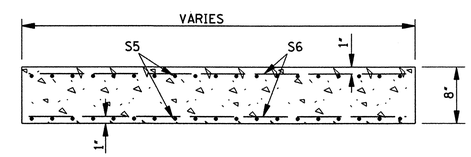
HAUNCH DIMENSION:
8" FOR 8" WALL THICKNESS.
10" FOR 10" WALL THICKNESS.

SIDE ELEVATION

APRONS: FOR 4' & 5' RISE (ONE APRON UNIT REQUIRED): TOE WALL APRON LENGTH = 8'-0";
INSIDE APRON UNIT NOT REQUIRED.
FOR 6' RISE (TWO APRON UNITS REQUIRED): INSIDE APRON LENGTH = 8'-0";
TOE WALL APRON LENGTH = 4'-0".
FOR 8' RISE (THREE APRON UNITS REQUIRED): INSIDE APRON LENGTH = 8'-0";
MIDDLE APRON LENGTH = 4'-0"; TOE WALL APRON LENGTH = 4'-0".



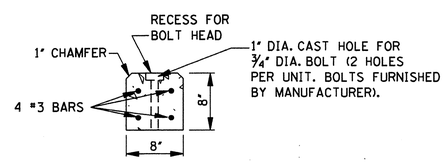
TOE WALL
SECTION B–B



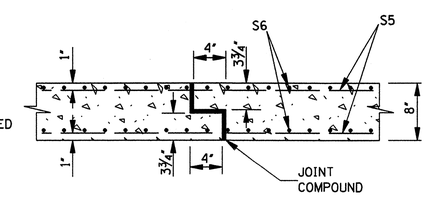
APRON
SECTION C–C

GENERAL NOTES:

1. THE BOX WING CONNECTOR SECTION SHALL MEET THE DESIGN REQUIREMENT OF THE PRECAST CONCRETE BOX CULVERT TO WHICH IT IS ATTACHED. SEE SHEET PBC-1 FOR BOX CULVERT DETAILS.
2. CONCRETE DESIGN STRENGTH: 5000 PSI
3. REINFORCED STEEL: 75,000 LBS. YIELD STRENGTH.
4. GALVANIZATION FOR REQUIRED HARDWARE SHALL MEET THE REQUIREMENTS OF AASHTO M 111.



PARAPET DETAIL



TYPICAL APRON JOINT
DETAIL C

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION
STANDARD PLAN

PRECAST CONCRETE BOX CULVERT END SECTIONS

ENGLISH

WORKING NUMBER
PBC-2

ISSUE DATE: OCTOBER 1, 1998

SHEET NUMBER
354