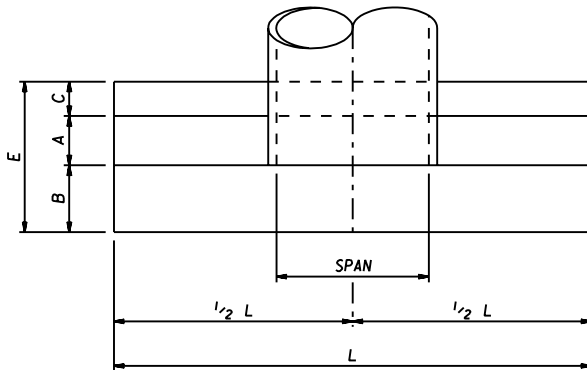
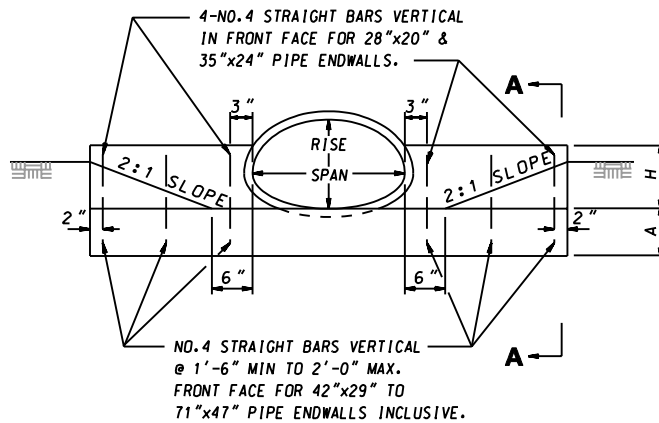


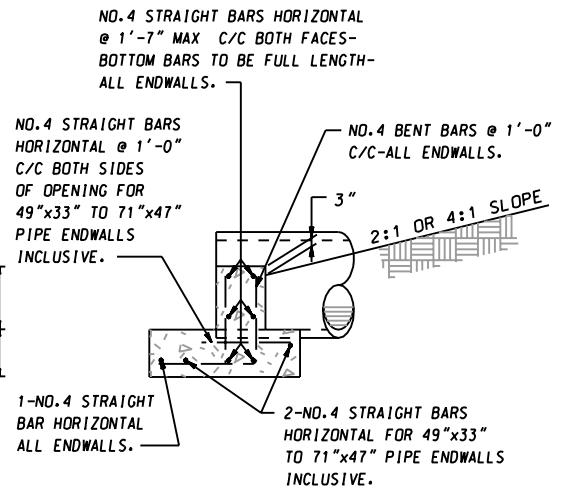


PLAN



ELEVATION

DISPOSITION OF BARS DETAIL



SECTION A-A

'S' DISTANCES

6" FOR 28"x20" TO 42"x29" INCLUSIVE.
8" FOR 49"x33" TO 71"x47" INCLUSIVE.

QUANTITIES FOR ESTIMATING PURPOSES ONLY

OPENING		DIMENSIONS						QUANTITIES	
SIZE	AREA	A	B	C	E	H	L	CONC.	STEEL
INCHES	SQ. FT							C.Y.	LBS.
SxR									
28x20	3.14	9"	14"	6"	2'-5"	1'-2"	5'-11"	.50	33
35x24	4.91	9"	14"	6"	2'-5"	1'-5"	7'-5"	.65	37
42x29	7.07	12"	16"	10"	3'-2"	1'-8"	8'-10"	1.32	54
49x33	9.62	12"	16"	10"	3'-2"	1'-11"	10'-4"	1.59	77
57x38	12.57	12"	16"	10"	3'-2"	2'-2"	12'-1"	1.92	90
64x43	15.90	12"	20"	12"	3'-8"	2'-6"	13'-7"	2.51	102
71x47	19.64	12"	20"	12"	3'-8"	2'-9"	15'-1"	2.86	112

GENERAL NOTES

SPECIFICATIONS LATEST S.H.A.
CONCRETE SHALL BE MIX NO. 2
REINFORCING: DEFORMED STEEL BARS NO. 4
CHAMFER: ALL EXPOSED EDGES 1"x1" OR AS DIRECTED.

SPECIFICATION 305	CATEGORY CODE ITEMS										
APPROVED <i>Kirk G. McCall</i> DIRECTOR - OFFICE OF HIGHWAY DEVELOPMENT											
SHA State Highway Administration	<table> <tr> <td>APPROVAL • SHA REVISIONS</td><td>APPROVAL • FEDERAL HIGHWAY ADMINISTRATION</td></tr> <tr> <td>APPROVAL 8-28-86</td><td>APPROVAL 12-12-86</td></tr> <tr> <td>REVISED 10-1-01</td><td>REVISED</td></tr> <tr> <td>REVISED</td><td>REVISED</td></tr> <tr> <td>REVISED</td><td>REVISED</td></tr> </table>	APPROVAL • SHA REVISIONS	APPROVAL • FEDERAL HIGHWAY ADMINISTRATION	APPROVAL 8-28-86	APPROVAL 12-12-86	REVISED 10-1-01	REVISED	REVISED	REVISED	REVISED	REVISED
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Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION
STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES

STANDARD END SUPPORT WALL
METAL PIPE ARCH

STANDARD NO. MD 351.01