PIPE ARCH DIMENSION				MINIMUM	MAXIMUM ALLLOWABLE	
	MAXIMUM			SHEET	COVER HEIGHT (m)	
SPAN	RISE "B"	AREA	Rc	THICKNESS	MAXIMUM CO	RNER PRESSURE
	P		RC .	REQUIRED	4000	6000
	(INCHE	s) (SQ. FT.)	(INCHES)	(INCHES)	LBS./SQ. FT.	LBS./SQ. FT.
13'-3"	9'-4"	97	31	12	12	18 💥
13'-6"	9'-6"	102	31	12	12	17 💥
14'-0"	9'-8"	105	31	12	12	17 💥
14'-2"	9'-10"	109	31	12	12	16 💥
14'-5"	10'-0"	114	31	12	11	16 💥
14'-11"	10'-2"	118	31	12	11	16 💥
15'-4"	10'-4"	123	31	12	11	15 💥
15'-7"	10'-6"	127	31	12	11	15 💥
15'-10"	10'-8"	132	31	12	10	14 💥
16'-3"	10'-10''	137	31	12	10	14 💥
16'-6"	11'-0"	142	31	12	10	14 💥
17'-0"	11'-2"	146	31	12	10	14 💥
17'-2"	11'-4"	151	31	12	10	13 💥
17'-5"	11'-6"	157	31	12	9	13 💥
17'-11"	11'-8"	161	31	12	9	13 💥
18'-1"	11'-10''	167	31	12	9	13 💥
18'-7"	12'-0"	172	31	12	9	12 💥
18'-9"	12'-2"	177	31	12	9	12 💥
19'-3"	12'-4"	182	31	10	8	13
19'-6"	12'-6"	188	31	10	8	13
19'-8"	12'-8"	194	31	10	8	13
19'-11''	12'-10''	200	31	10	8	12
20'-5"	13'-0"	205	31	10	8	12
20'-7"	13'-2"	211	31	10	8	12

MINIMUM THICKNESS-STRUCTURAL PLATE STEEL PIPE ARCHES 6" x 2" CORRUGATIONS

★ When design height of cover falls within this category, foundation and backfill must be approved by the Engineer.

Cover heights indicated in table are for finished construction.

The allowable cover tables shown are based on a soil modulus of 700 PSI. All other design criteria are in accordance with the AASHTO Specifications and VDOT Modifications for Soil Corrugated Metal Structure Interaction Systems.

Structural Plate Pipe-Arch dimensions are to inside of crest and are subject to manufacturing tolerances.

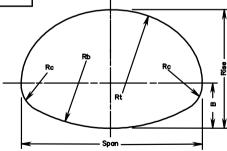
Minimum finished height of cover shall be Span or 1'-0", whichever is greater.

To protect pipe during construction minimum height of cover prior to allowing construction traffic to cross installation shall be Span.

This cover shall extend the full length of the pipe arch. The approach fill ramp is to extend a minimum of (10)(Height + Span) on each

side of the structure, or to the intersection with a cut.

Maximum cover heights shown may be increased by a maximum of 1 foot if a sheet thickness greater than 12 Gauge is used.



Sheet 11 of 17

SPECIFICATION REFERENCE
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STRUCTURAL PLATE STEEL PIPE ARCH HEIGHT OF COVER TABLE FOR H-20 LIVE LOAD