



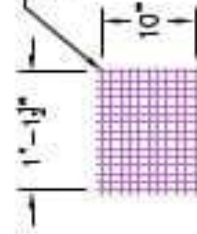
Structure ID: ICAST LI3 (1)

P1 HWPP414TY3

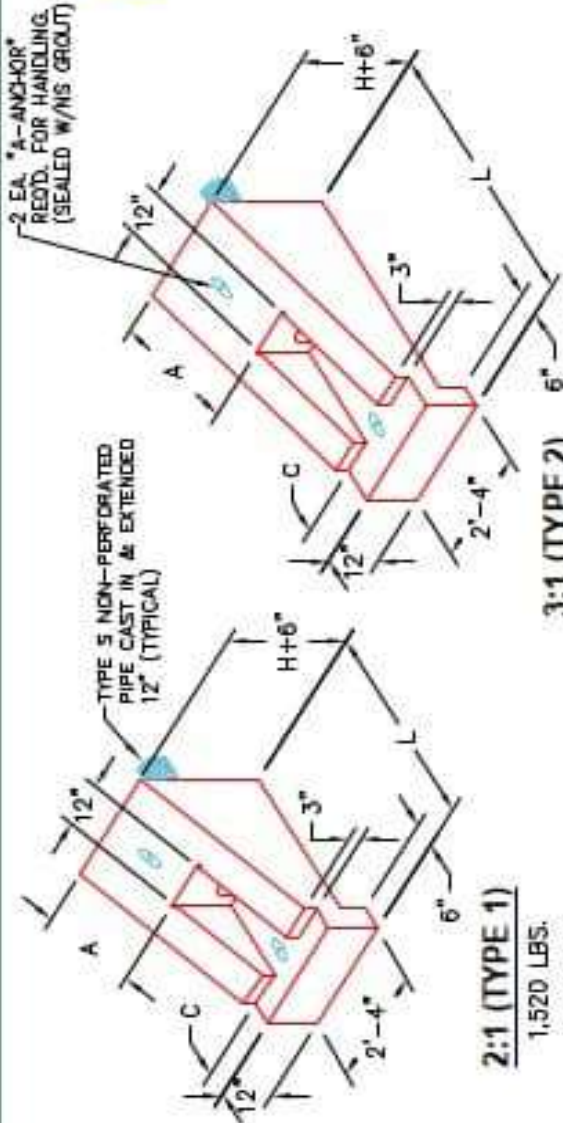
4" - HW Perforated Pipe Type 3 (4 to1) F/F

PIPE DIA.	SLOPE	DIMENSIONS				CLASS "A" CONCRETE
		L	H	A	C	
4"	2:1	3'-4 1/2"	1'-6 3/4"	1'-6"	6"	0.38
	3:1	5'-1 1/8"	1'-6 3/4"	2'-3"	9"	0.56
AND 6"	4:1	6'-9 3/4"	1'-6 3/4"	3'-0"	1'-0"	0.74
8"	5:1	7'-2 1/8"	1'-6 3/4"	1'-5"	1'-5"	0.62
	2:1	3'-2 1/2"	1'-6 3/4"	1'-6"	6"	0.43
10"	3:1	5'-8 1/4"	1'-10 3/4"	2'-3"	9"	0.63
	4:1	7'-7"	1'-10 3/4"	3'-0"	1'-0"	0.83
12"	6:1	8'-4 1/2"	1'-4 3/4"	1'-6"	1'-5"	0.73
	2:1	4'-3"	2'-4"	1'-6"	6"	0.47
14"	3:1	6'-3"	2'-4"	2'-3"	9"	0.69
	4:1	8'-4"	2'-4"	3'-0"	1'-0"	0.91
16"	5:1	9'-5"	1'-7"	1'-5"	1'-5"	0.83

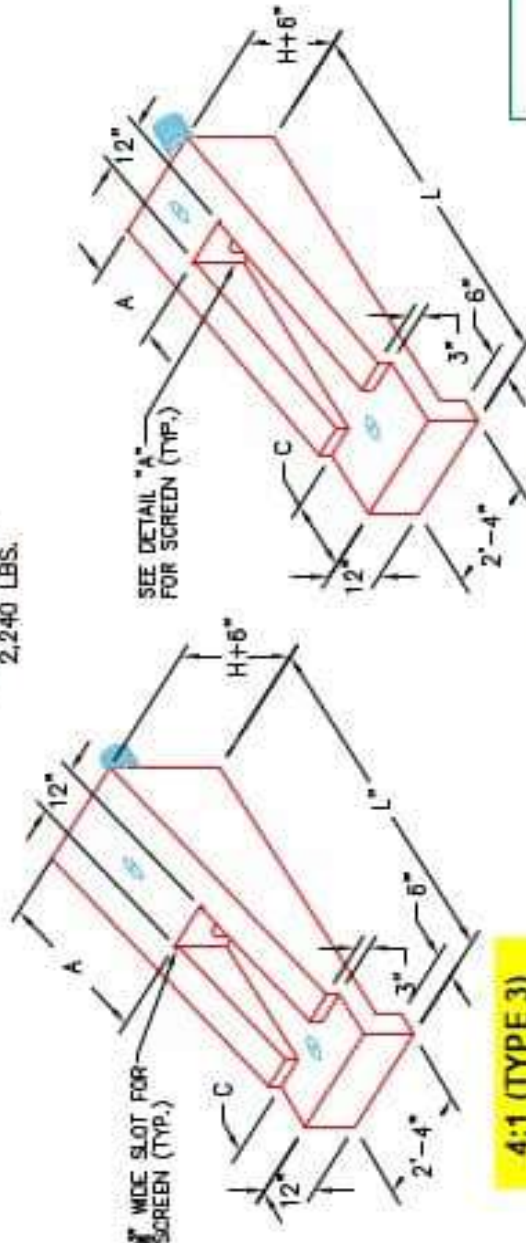
2X2 MESH, 16 GAUGE
HOT DIP GALVANIZED
WITH 1" X 1" SQUARES



DETAIL "A"



3:1 (TYPE 2)
2,240 LBS.



6:1 (TYPE 4)
2,480 LBS.

NOTES:

1. CONCRETE: KYTC APPROVED.
2. REINFORCING: #4 BAR @ 12" C/C E.W. - GRADE 60, (WITH 2" CONCRETE COVER MINIMUM)
3. REINFORCING BARS TO BE TACK WELDED OR TIED.
4. PIPE AND LIFTING ANCHOR POCKETS TO BE GROUTED WITH KYTC APPROVED NON-SHRINK GROUT.
5. DRAWING TO BE USED IN CONJUNCTION WITH KYTC STD. DRAWING RDP-010-09 AND THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
6. 3/8" CHAMFER ON ALL EXPOSED EDGES.

APPROVED FOR DESIGN ONLY

Approved
Jared A. Jarvis
KYTC DESIGNATION
DATE: 6/10/2026

DIVISION OF CONSTRUCTION



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KYTC PERFORATED PIPE HEADWALLS

DRAWN BY: KYTC P1-HW
DATE: 12-07-21
DESIGNED BY: J. J. JARVIS, P.E.
WEB: WWW.ICASTINC.COM
SCALE: NTS