



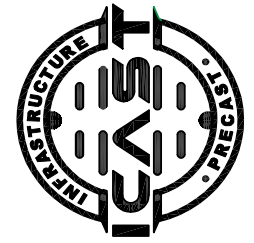
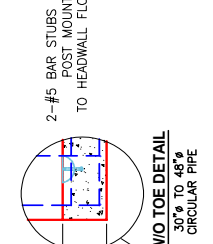
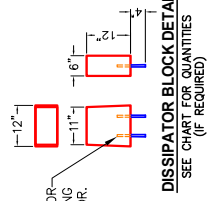
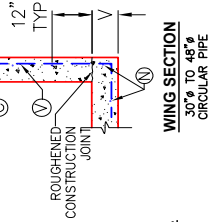
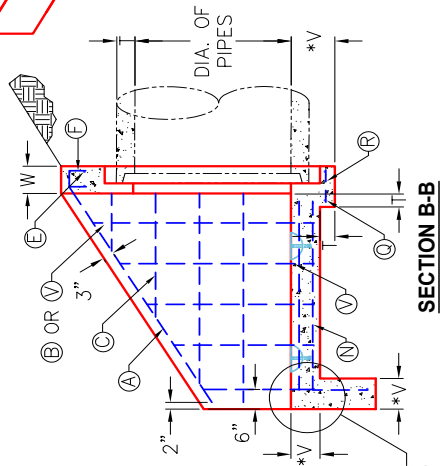
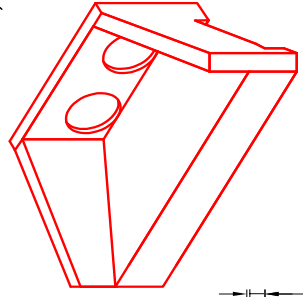
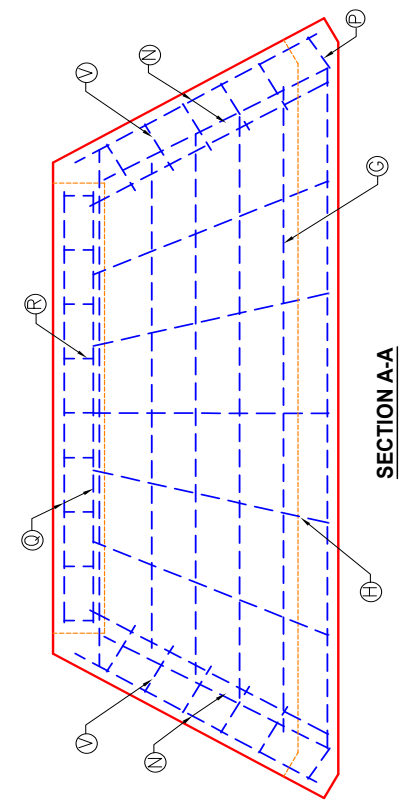
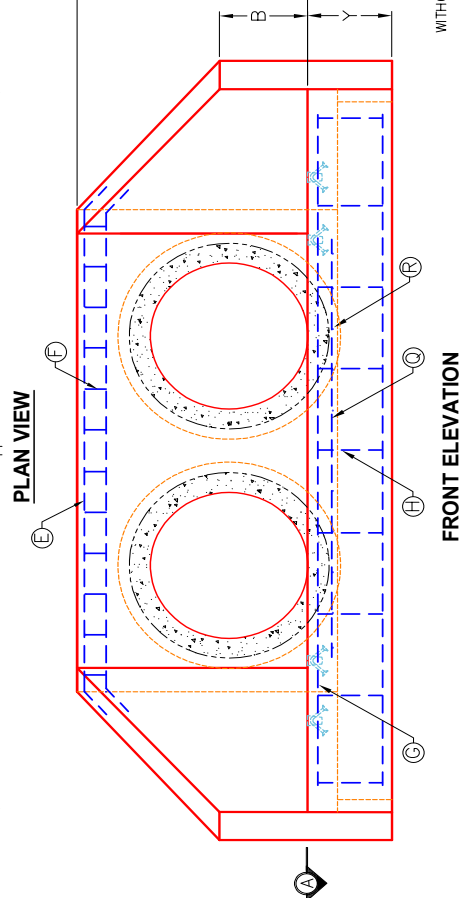
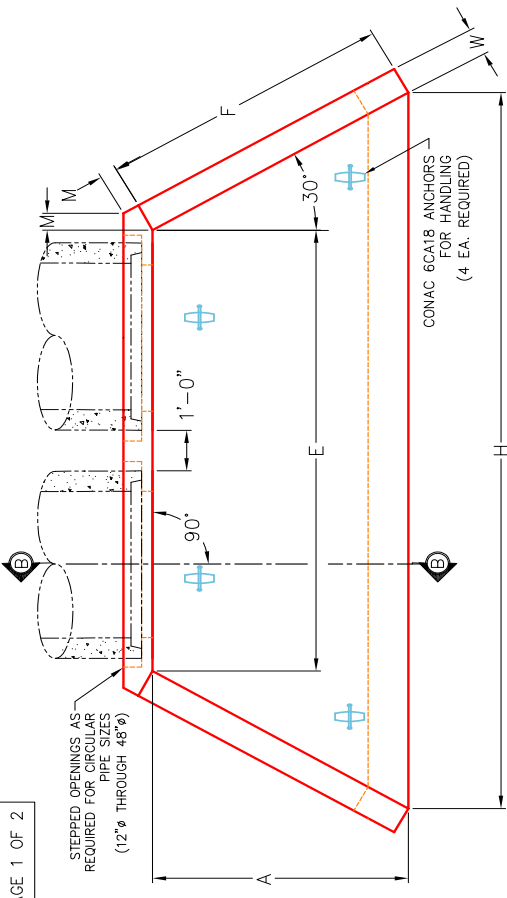
Structure ID: 3 HW

P1 HWDBLCUSTOM

36" - PIPE CULVERT DBL HEADWALL F/F

~NOTES:

1. SEE CURRENT STANDARD DRAWINGS RDH-510-04, RDH-522 AND RDH-524 FOR DIMENSIONS, QUANTITIES AND BILL OF REINFORCEMENT.
2. DIMENSIONS FROM FACE OF CONCRETE TO STEEL SHALL BE 2" CLEAR DISTANCE.
3. ENCIRCLED LETTERS, ○, INDICATE STEEL BAR LOCATIONS.
4. BARS ⓐ, ⓑ, & ⓓ ARE SPACED 12" O.C. ALL OTHER BARS SHALL BE EVENLY SPACED.
5. BARS ⓔ ARE PLACED IN ORDER OF INCREASING LENGTHS, BEGINNING AT THE TOP OF EACH WING.
6. BARS ⓕ ARE PLACED IN ORDER OF INCREASING LENGTHS, BEGINNING AT THE TOP OF EACH WING.
7. HEADWALLS LOCATED AT SHOULDER EDGE SHALL BE PARALLEL TO THE CENTERLINE OF ROADWAY.
8. APRON BETWEEN WINGS SHALL BE SLOPED IN DIRECTION OF FLOW EQUAL TO SLOPE OF PIPE. FRONT FACE OF HEADWALL AND ENDS OF WINGS SHALL REMAIN VERTICAL.
9. HEADWALL OPTIONS: ENERGY DISSIPATORS, SEE CHART FOR QUANTITIES PER SIZE.
 *AVAILABLE WITHOUT TOE ("V" DIMENSION = 12" WITHOUT TOE).



INFRASTRUCTURE PRECAST, INC. 881 WEST 7TH ST., BEAVER DAM, KY. 42320 PHONE: (270) 363-2238; FAX: (270) 288-7424	
KYTC 12" - 48" DOUBLE PIPE CULVERT HEADWALLS - 0° SKEW (FOR CIRCULAR PIPE)	DATE: 06-16-25
DRAWING NO.: ET-KYTC-117	DRAWN BY: N. RICHARDS
REVIEWED BY: J.H. ROSS, PE	SCALE: NTS
WEB: WWW.ICASTINC.COM	



Structure ID: 3 HW

P1 HWDBLCUSTOM

36" - PIPE CULVERT DBL HEADWALL F/F

DIMENSIONS FOR MULTIPLE PIPE HEADWALLS

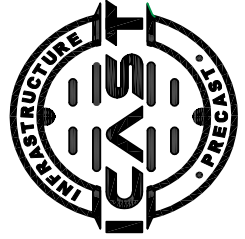
DIMENSIONS	DOUBLE				TRIPLE				WEIGHT FOR EA. HEADWALL (LBS.)	QUANTITY DISKS OR BECKS (EA.)
	30"	36"	42"	48"	30"	36"	42"	48"		
A	3'-9"	4'-4"	4'-11"	5'-6"	3'-9"	4'-4"	4'-11"	5'-6"	A	
B	1'-3"	1'-6"	1'-9"	2'-0"	1'-3"	1'-6"	1'-9"	2'-0"	B	
C	3'-6"	4'-0"	4'-7"	5'-1"	3'-6"	4'-0"	4'-7"	5'-1"	C	
E	7'-2"	8'-4"	9'-6"	10'-8"	11'-3"	13'-0"	14'-9"	16'-6"	E	
F	4'-4"	5'-0"	5'-8"	6'-4"	4'-4"	5'-0"	5'-8"	6'-4"	F	
H	11'-6"	13'-4"	15'-2"	17'-0"	15'-6"	18'-0"	20'-6"	22'-10"	H	
J	---	---	---	---	7'-9"	9'-0"	10'-3"	11'-5"	J	
M	---	---	0'-5"	---	---	0'-5"	---	---	M	
T	0'-3.5"	0'-4.0"	0'-4.5"	0'-5.0"	0'-3.5"	0'-4.0"	0'-4.5"	0'-5.0"	T	
V	---	---	*0'-8"	---	---	*0'-8"	---	---	V	
W	---	---	0'-8"	---	---	0'-8"	---	---	W	
Y	---	---	2'-0"	---	---	2'-0"	---	---	Y	
WEIGHT FOR EA. HEADWALL (LBS.)	9,625	12,175	15,150	18,350	12,700	16,050	19,950	24,075		
QUANTITY DISKS OR BECKS (EA.)	10	12	14	16	16	18	26	28		

*AVAILABLE WITHOUT TOE ("V" DIMENSION = 12" WITHOUT TOE).

DIMENSIONS FOR MULTIPLE PIPE HEADWALLS

DIMENSIONS	DOUBLE				TRIPLE				WEIGHT FOR EA. HEADWALL (LBS.)	QUANTITY DISKS OR BECKS (EA.)
	12"	15"	18"	24"	12"	15"	18"	24"		
A	2'-10"	3'-4"	3'-10"	4'-10"	2'-10"	3'-4"	3'-10"	4'-10"	A	
B	0'-3"	0'-3"	0'-3"	0'-3"	0'-3"	0'-3"	0'-3"	0'-3"	B	
C	1'-9"	2'-0"	2'-3"	2'-9"	1'-9"	2'-0"	2'-3"	2'-9"	C	
E	4'-0"	4'-6"	5'-0"	6'-6"	6'-6"	7'-4"	8'-0"	10'-0"	E	
F	2'-3"	2'-9"	3'-6"	4'-6"	2'-3"	2'-9"	3'-6"	4'-6"	F	
H	5'-6"	6'-0"	7'-0"	9'-0"	8'-0"	9'-0"	10'-0"	12'-8"	H	
J	---	---	---	---	4'-0"	4'-6"	5'-0"	6'-4"	J	
M	---	---	0'-5"	---	---	0'-5"	---	---	M	
T	0'-2"	0'-2.25"	0'-2.5"	0'-3.0"	0'-2"	0'-2.25"	0'-2.5"	0'-3.0"	T	
V	---	---	*0'-8"	---	---	*0'-8"	---	---	V	
W	---	---	0'-8"	---	---	0'-8"	---	---	W	
Y	---	---	1'-6"	---	---	1'-6"	---	---	Y	
WEIGHT FOR EA. HEADWALL (LBS.)	4,100	5,050	6,550	9,550	4,725	7,025	8,350	12,200		
QUANTITY DISKS OR BECKS (EA.)	3	3	6	6	8	8	9	9		

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 CULVERT HEADWALLS - 0° SKEW
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