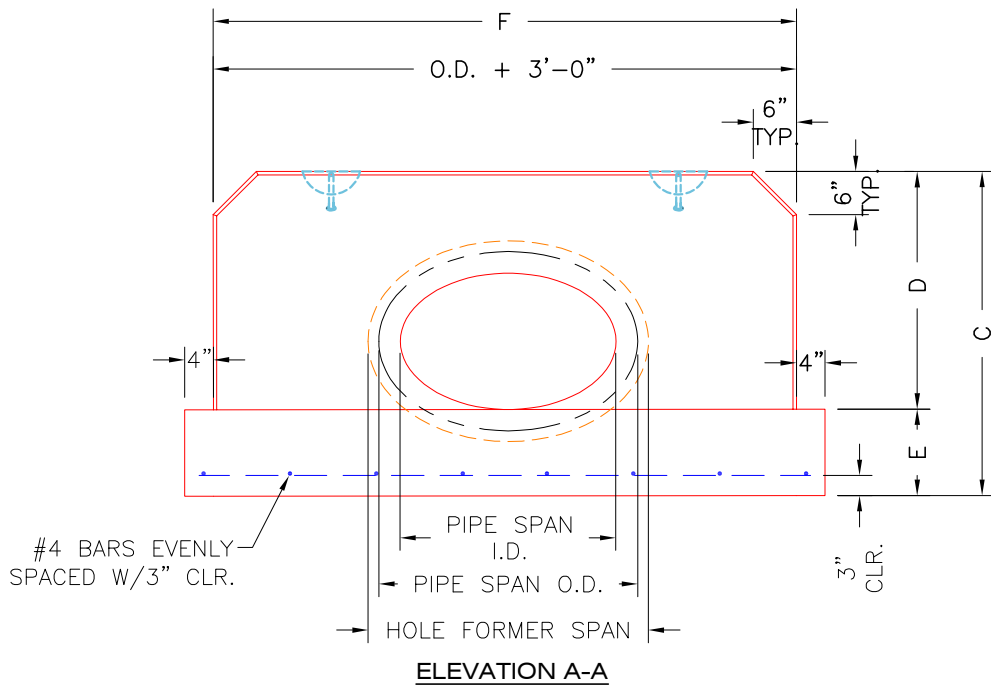
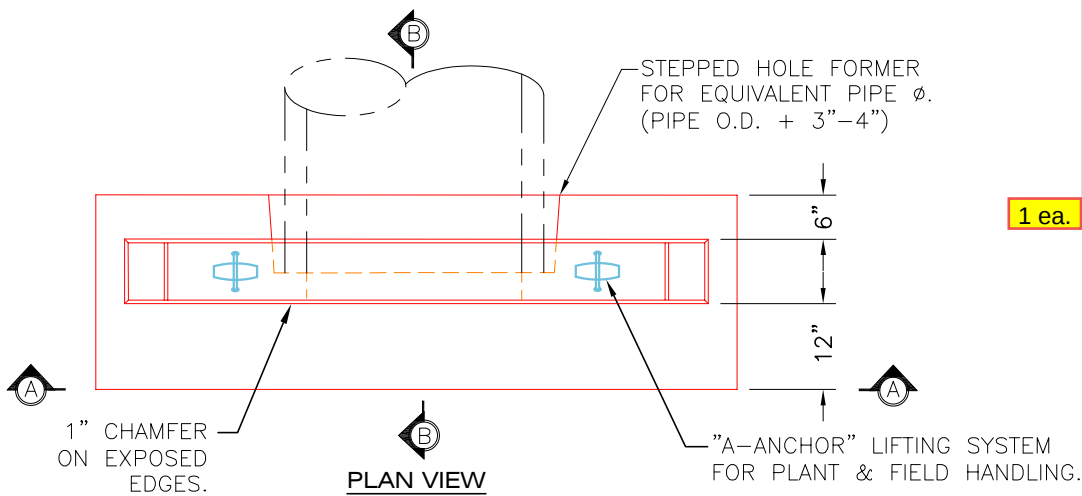
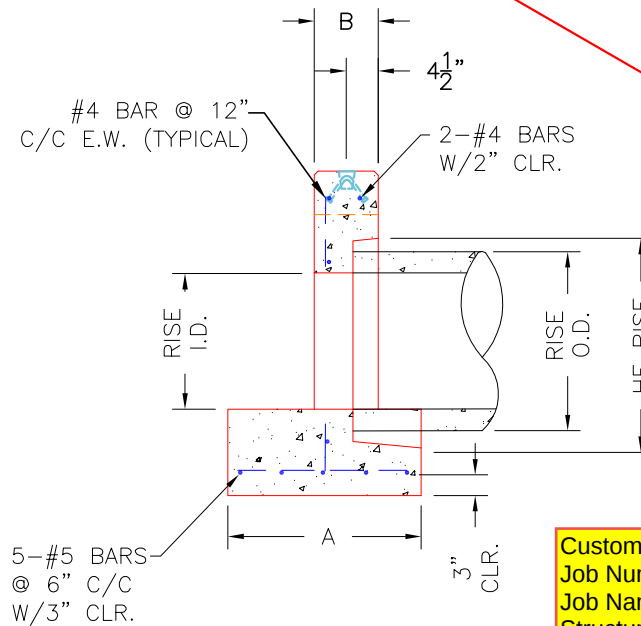
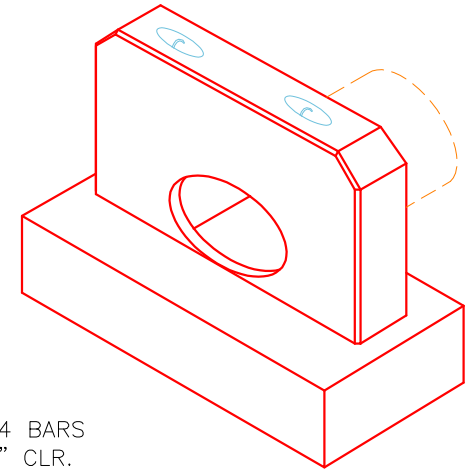




DIMENSIONS & QUANTITIES										
ROUND EQUIV. PIPE ID.	RCEP ¹ (ELLIPTICAL)	RCAP ² (ARCH)	CMPA ³ (ARCH)	HEADWALL DIMENSIONS						
	SIZE OF PIPE (SPAN X RISE)			A	B	C	D	E	F	WEIGHT
15"	—	18"X11"	17"X13"	2'-3"	9"	3'-0"	2'-0"	1'-0"	5'-0"	2,700 LBS.
18"	23"X14"	22"X14"	21"X15"	2'-3"	9"	3'-6"	2'-6"	1'-0"	5'-6"	3,200 LBS.
21"	—	26"X16"	24"X18"	2'-3"	9"	3'-6"	2'-6"	1'-0"	6'-0"	3,430 LBS.
24"	30"X19"	29"X18"	28"X20"	2'-3"	9"	4'-0"	3'-0"	1'-0"	6'-0"	3,650 LBS.

1. REINFORCED CONCRETE ELLIPTICAL PIPE.
2. REINFORCED CONCRETE ARCH PIPE.
3. CORRUGATED METAL ARCH PIPE.



Customer: KY Earthworks
 Job Number: 26-2430
 Job Name: Parkway Drive Warehouse
 Structure: 19x30 HWSTD-LOUMSD
 Prod. Code: HWMSD1930

~NOTES:

1. CONCRETE: 4,500 PSI @ 28 DAYS.
2. REINFORCING: #4 & #5 BARS AS SHOWN, GRADE 60, WITH 2" CONCRETE COVER MIN. (TYPICAL).
3. 1" CHAMFER REQUIRED ON EXPOSED EDGES.
4. CAGE REINFORCING BARS TO BE TACK WELDED OR TIED.
5. PIPE AND LIFTING ANCHOR POCKETS TO BE GROUTED WITH MSD APPROVED NON-SHRINK GROUT.
6. DRAWING TO BE USED IN CONJUNCTION WITH MSD STANDARD DRAWING DH-01-01.
7. PREFORMED HOLE SIZES ARE OUTSIDE DIAMETER OF PIPE + 3"-4".

INFRASTRUCTURE PRECAST, INC.

981 WEST 7TH ST., BEAVER DAM, KY. 42320
 PHONE: (270) 363-2238, FAX: (270) 298-7424

MSD 12"-24" EQ. STANDARD HEADWALL
 (FOR NON-CIRCULAR PIPE)

DRAWING NO.: ET-MSD-401

DATE: 02-23-26

REVIEWED BY: J.H. ROSS, PE

DRAWN BY: N. RICHARDS

WEB: WWW.ICASTINC.COM

SCALE: NTS

