

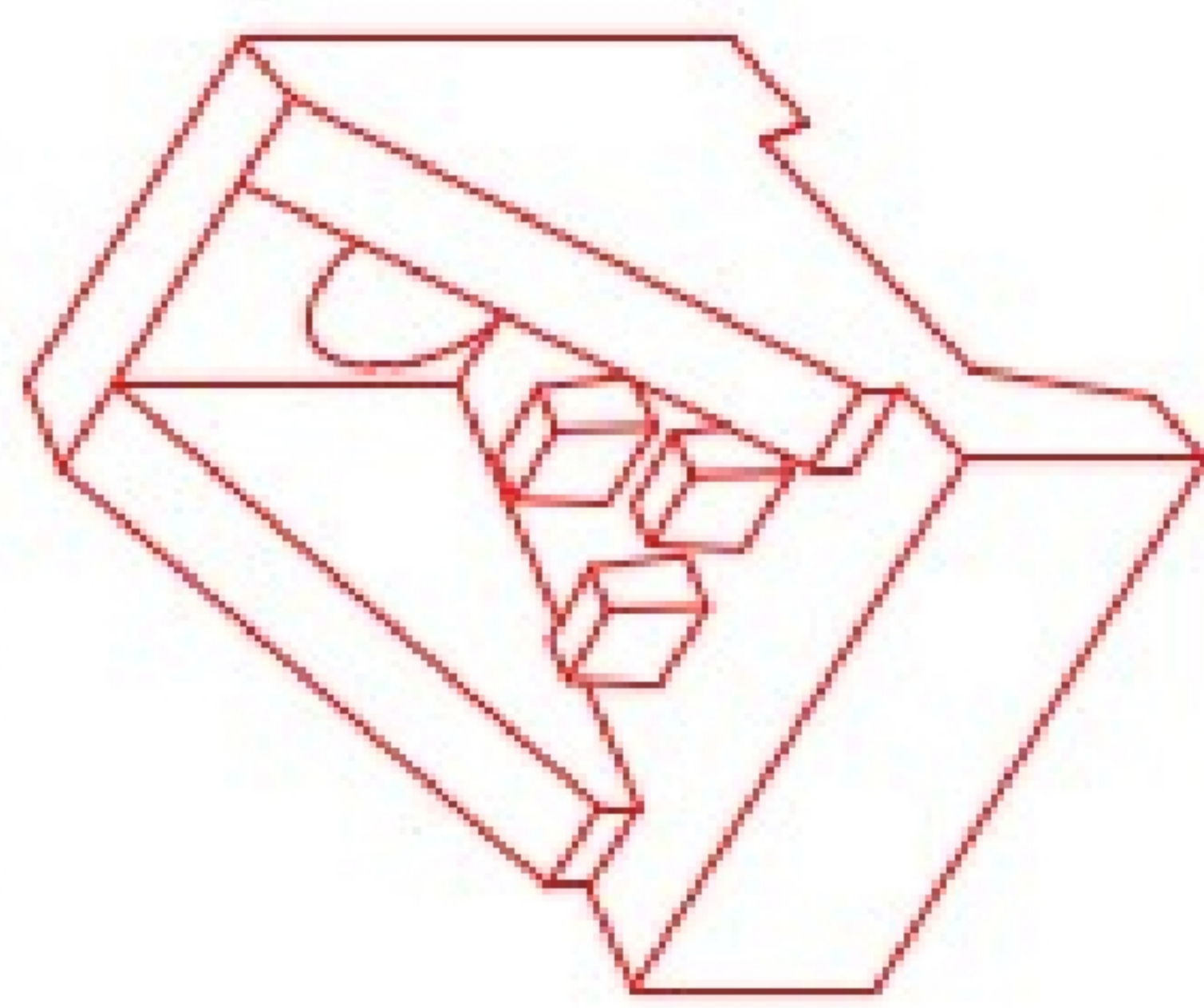


**Structure ID: HW 4 (HWSF 18in)**

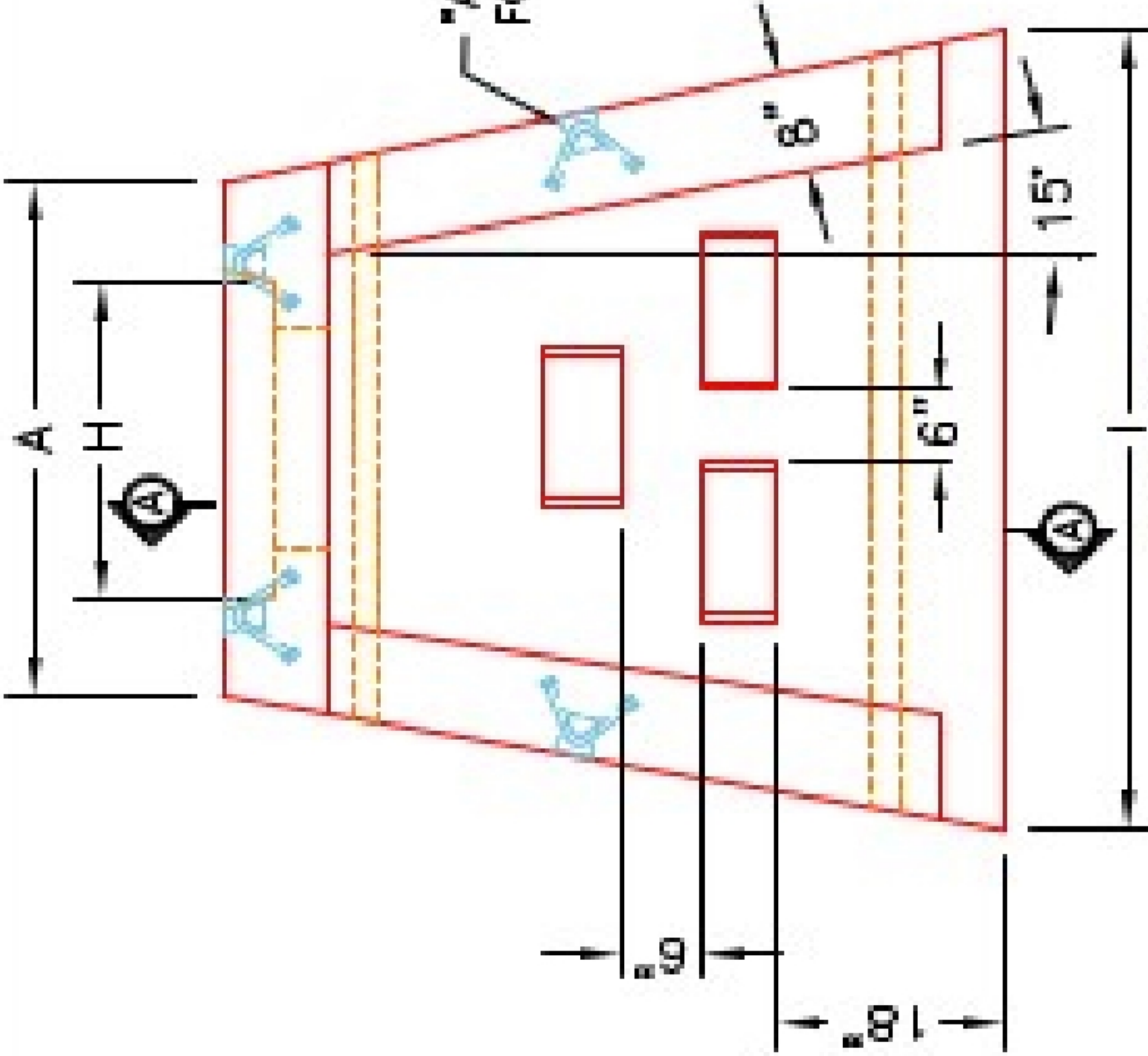
**P1 HWSF18D**

**18" - SLOPED & FLARED HEADWALL w/DISS F/F**

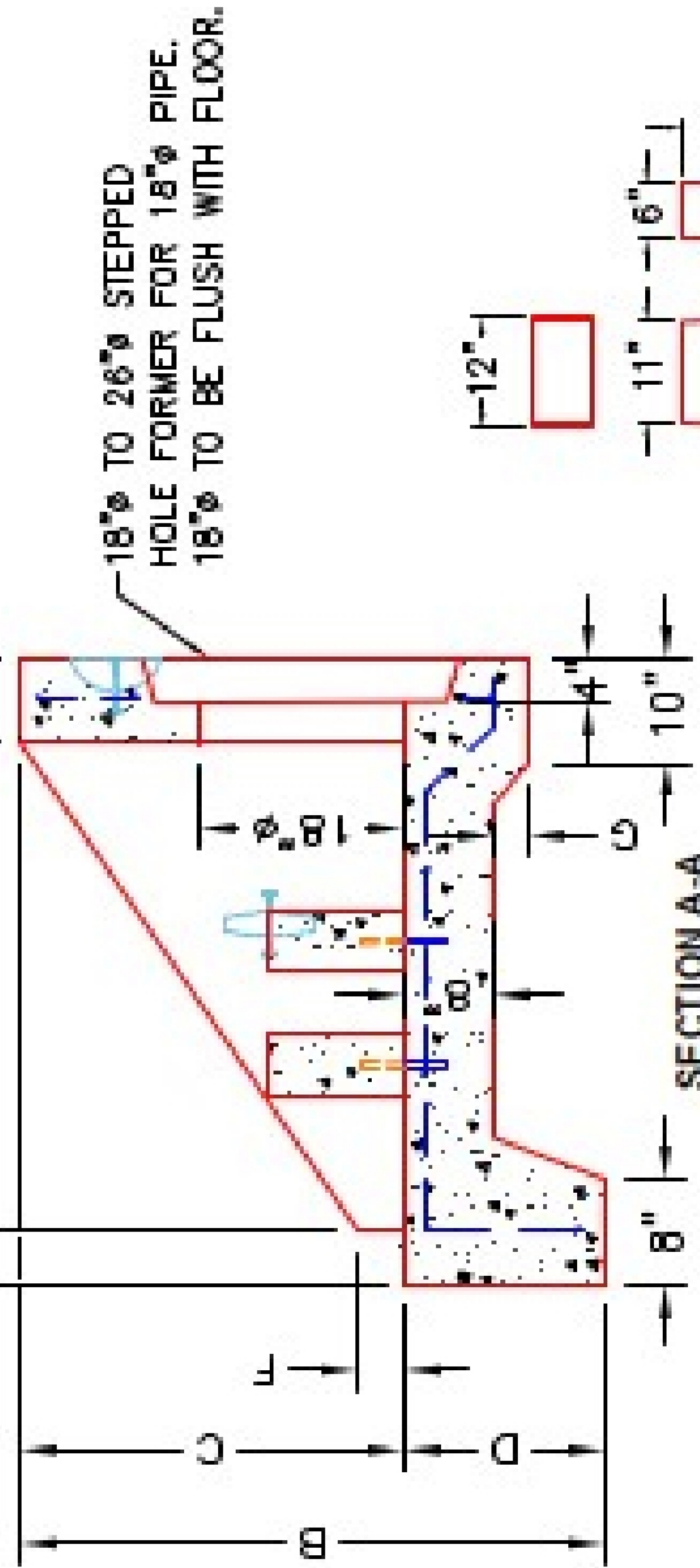
| DIMENSIONS |       |       |        |       |       |    |    |       |       |            |             |
|------------|-------|-------|--------|-------|-------|----|----|-------|-------|------------|-------------|
| PIPE Ø     | A     | B     | C      | D     | E     | F  | G  | H     | I     | WEIGHT     | DISSIPATORS |
| 18"        | 3'-6" | 4'-4" | 2'-10" | 1'-6" | 5'-0" | 4" | 3' | 2'-2" | 6'-0" | 5,127 LBS. | 3 EA.       |



"A-ANCHOR" LIFTING SYSTEM  
FOR PLANT & FIELD HANDLING.



12"x12"x6" ENERGY  
DISSIPATOR BLOCKS  
(3 EA.).



18"Ø TO 26"Ø STEPPED  
HOLE FORMER FOR 18"Ø PIPE.  
18"Ø TO BE FLUSH WITH FLOOR.

2-#5 BAR STUBS  
FOR POST MOUNTING  
TO HEADWALL FLOOR.

DISSIPATOR BLOCK DETAIL

**FRONT ELEVATION**

- NOTES:**
1. CONCRETE: 4500 PSI @ 28 DAYS.
  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. DRAWINGS TO BE USED IN CONJUNCTION WITH KYTC STD. DRAWING RDH-020-03 AND THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
  5. #2 CHAMFER ON ALL EXPOSED EDGES.

| PRODUCTION WORK ORDER     |  | PRODUCT I.D.: HWSF18D       | DESCRIPTION: KYTC 18"Ø SLOPED & FLARED HEADWALL W/DISSIPATORS |
|---------------------------|--|-----------------------------|---|
| QUALITY CONTROL CHECKLIST |  | PRODUCT VIEW: RIGHT SIDE UP | CUSTOMER: STOCK   |
| <input type="checkbox"/>  | ALL DIMENSIONS CORRECT.                      | PLANT: BEAVER DAM, KY.      | PROJECT: STOCK INVENTORY                                      |
| <input type="checkbox"/>  | LIFTERS INSTALLED.                           | WEIGHT: 5,127 LBS.          | STRUCTURE ID: N/A   |
| <input type="checkbox"/>  | STEPPED HF CORRECT SIZE.                     | TOP SECTION JOINT: N/A      | QUOTE/SALES ORDER NO: N/A                                     |
| <input type="checkbox"/>  | REINFORCING CORRECT.                         | BASE SECTION JOINT: N/A     | CHECK: J.H. ROSS, PE  |
| <input type="checkbox"/>  | DISSIPATOR BLOCK INSTALLED, EDGES CHAMFERED. | QC CHECK INITIALS:          | DRAWING: N. RICHARDS  |
| <input type="checkbox"/>  | ALL PATCHWORK ACCEPTABLE.                    |                             | DATE: 09/09/22  |
|                           |  |                             | SCALE: NTS  |
|                           |  |                             | PG. 1 OF 1  |

