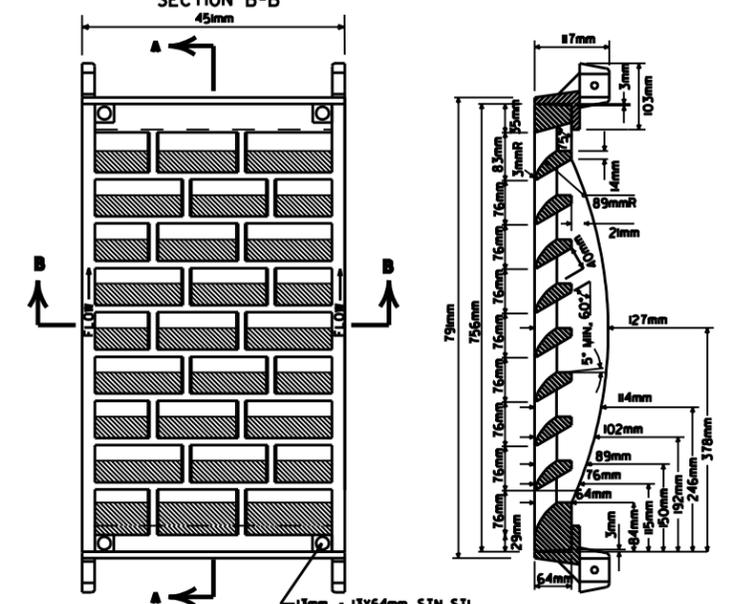
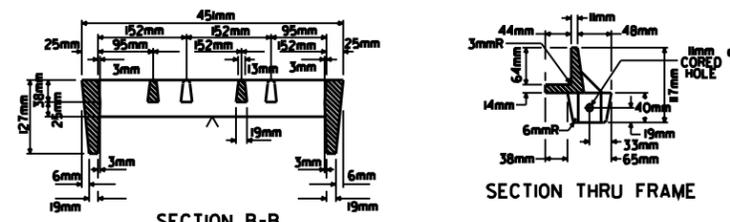


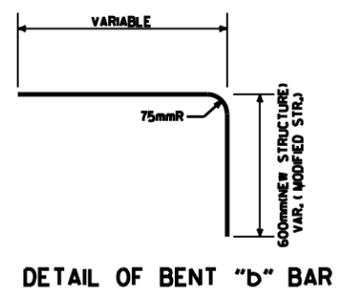
SECTION B-B
DETAILS OF PEDESTRIAN GRATE AND FRAME

- SECTION A-A**
- GENERAL NOTES (PEDESTRIAN GRATE & FRAME)**
1. THE PEDESTRIAN GRATE SHALL BE ORIENTED IN THE TOP OF THE DROP INLET SO THAT THE 13mm OPENINGS ARE PERPENDICULAR TO THE PATH OF PEDESTRIAN TRAVEL.
 2. THE PEDESTRIAN GRATE AND FRAME SHALL BE CONSTRUCTED OF CAST IRON AND SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR GRAY IRON CASTINGS AASHTO M 105, CLASS 35B, & AASHTO M 306.
 3. THE GRATE AND FRAME SHALL NOT BE PAINTED.
 4. THE GRATE AND FRAME SHALL BE INSTALLED IN THE DROP INLET IN THE ASSEMBLED POSITION.
 5. THE APPROXIMATE WEIGHT OF THE GRATE AND FRAME SHALL BE 96 kg.
 6. THE MINIMUM WATERWAY OPENING SHALL BE .079 SO. METER.

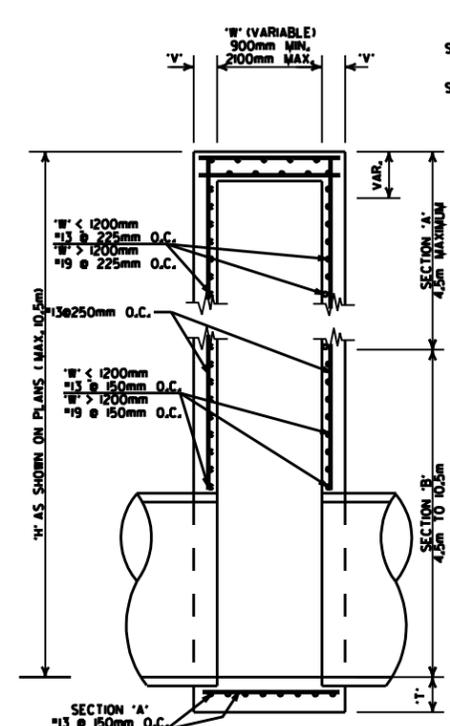


SECTION A-A
DETAILS OF RIBBED VANE GRATE AND FRAME

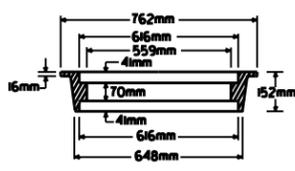
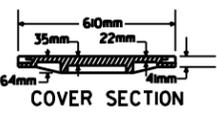
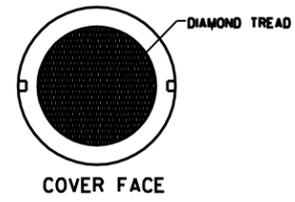
- GENERAL NOTES (RIBBED VANE GRATE & FRAME)**
1. RIBBED VANE GRATE AND FRAME SHALL BE CONSTRUCTED OF CAST IRON AND SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR GRAY IRON CASTINGS AASHTO M 105, CLASS 35B, & AASHTO M 306.
 2. GRATE AND FRAME SHALL NOT BE PAINTED.
 3. GRATE AND FRAME SHALL BE INSTALLED IN DROP INLET IN ASSEMBLED POSITION.
 4. APPROXIMATE WEIGHT OF GRATE SHALL BE 77 kg.



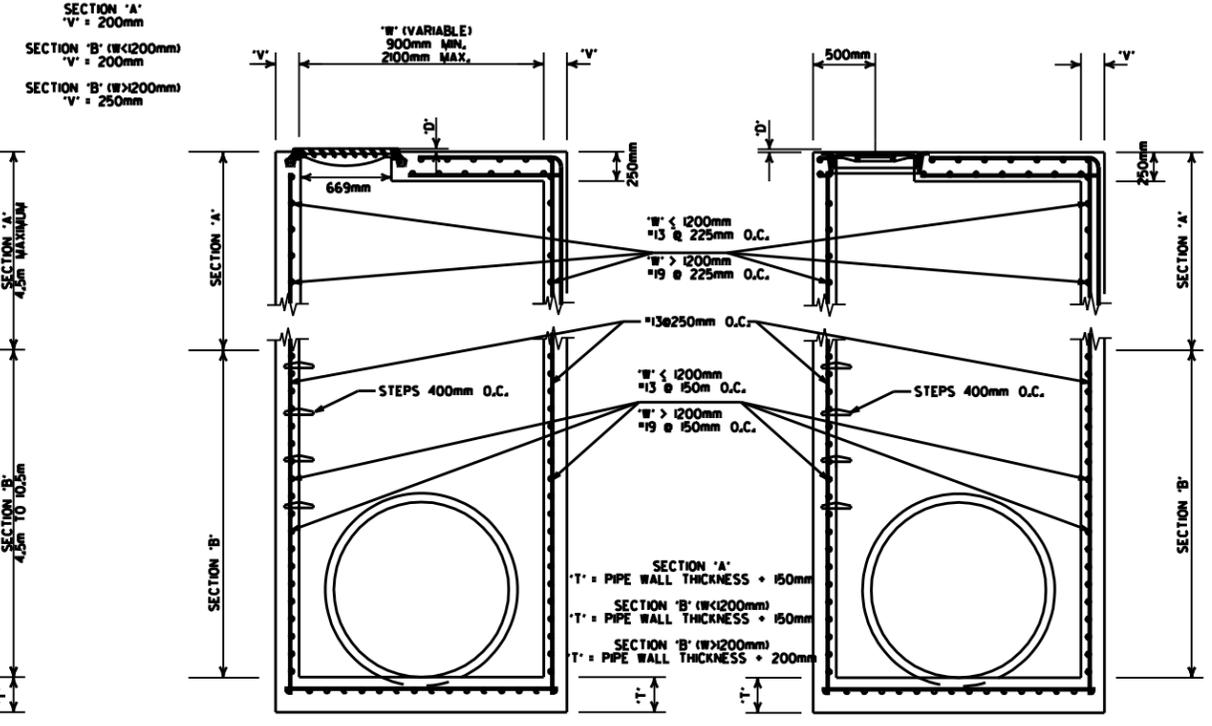
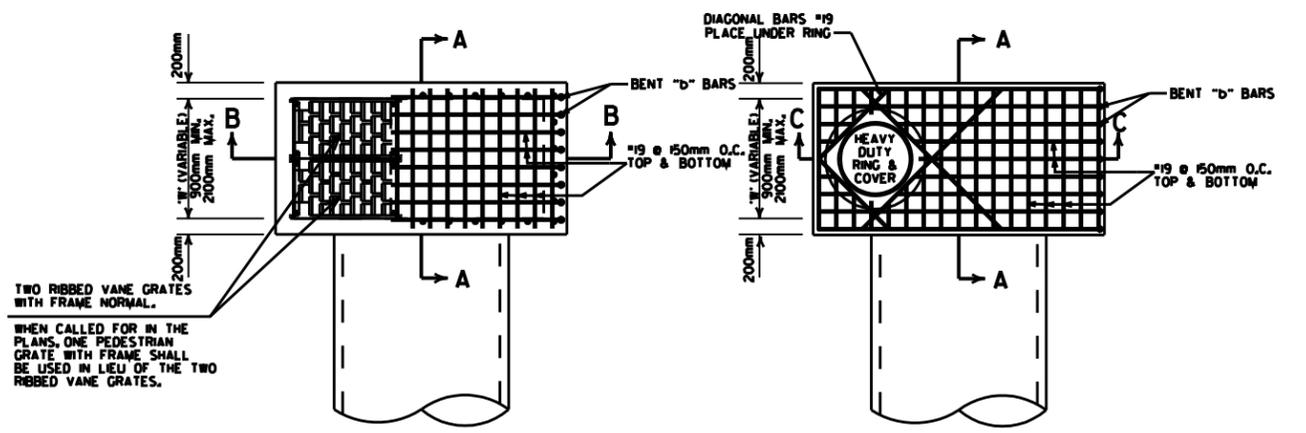
DETAIL OF BENT "b" BAR



SECTION A-A
DETAILS OF DROP INLET (TYPE ST)



RING SECTION
HEAVY DUTY RING & COVER
APPROXIMATE TOTAL WEIGHT = 151 kg.



SECTION B-B
SECTION C-C
DETAILS OF JUNCTION BOX (TYPE ST)

- GENERAL NOTES (TYPE ST DROP INLET & JUNCTION BOX)**
1. THE 'D' DIMENSION SHALL MATCH THE FINAL LEFT OF ACTUAL SURFACE COURSE SHOWN IN THE PLANS WHEN ASPHALT PAVING SURROUNDS THE GRATE & RING COVER, AND SHALL BE 0" AT OTHER INSTALLATIONS.
 2. THE STEPS SHALL BE OMITTED WHERE 'H' IS LESS THAN 1200mm.
 3. ALL EXPOSED CORNERS ARE TO HAVE A 19mm CHAMFER.
 4. ALL #13 & #16 REINFORCING BARS ARE TO HAVE A MIN. 38mm COVER. ALL LARGER SIZE BARS ARE TO HAVE A 50mm MIN. COVER.

- GENERAL NOTES (HEAVY DUTY RING & COVER)**
1. HEAVY DUTY RING AND COVER SHALL BE CONSTRUCTED OF CAST IRON AND SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR GRAY IRON CASTINGS AASHTO M 105, CLASS 35B, & AASHTO M 306.
 2. HEAVY DUTY RING AND COVER SHALL NOT BE PAINTED.
 3. HEAVY DUTY RING SHALL ALWAYS BE INSTALLED WITH FLANGE ON TOP.
 4. DIMENSIONS SHOWN FOR RING AND COVER ARE TYPICAL. THE CONTRACTOR MAY SUBSTITUTE SIMILAR CASTINGS WITH THE APPROVAL OF THE ENGINEER, REQUESTING APPROVAL FOR CASTING DESIGNS MAY BE MADE BY REFERRING TO PREVIOUSLY APPROVED DRAWINGS.

| NO. | REVISION | DATE |
|---------|---|------------|
| 1-1-05 | REVISED DIMENSION ON DETAILS OF DROP INLET SECTION B-B | |
| 1-6-00 | ADDED NOTE 4 | |
| 1-12-00 | REVISED HEAVY DUTY RING & COVER | |
| 3-3-99 | ADDED PEDESTRIAN FRAME/GRATE | |
| 7-02-98 | REVISED NOTES, REV. DIMENSION, ADDED HEAVY DUTY RING & COVER, ADDED AASHTO REF. REVISED GRATE | |
| 4-3-97 | REVISED STEEL PIPES TO SPT METRIC | |
| 10-0-95 | REVISED AASHTO REF. TO AASHTO | |
| 7-20-95 | CONVERTED TO METRIC | |
| | DATE | DATE FILED |

ARKANSAS STATE HIGHWAY COMMISSION

DETAILS OF DROP INLET & JUNCTION BOX (TYPE ST)

STANDARD DRAWING FPC-9S(M) METRIC