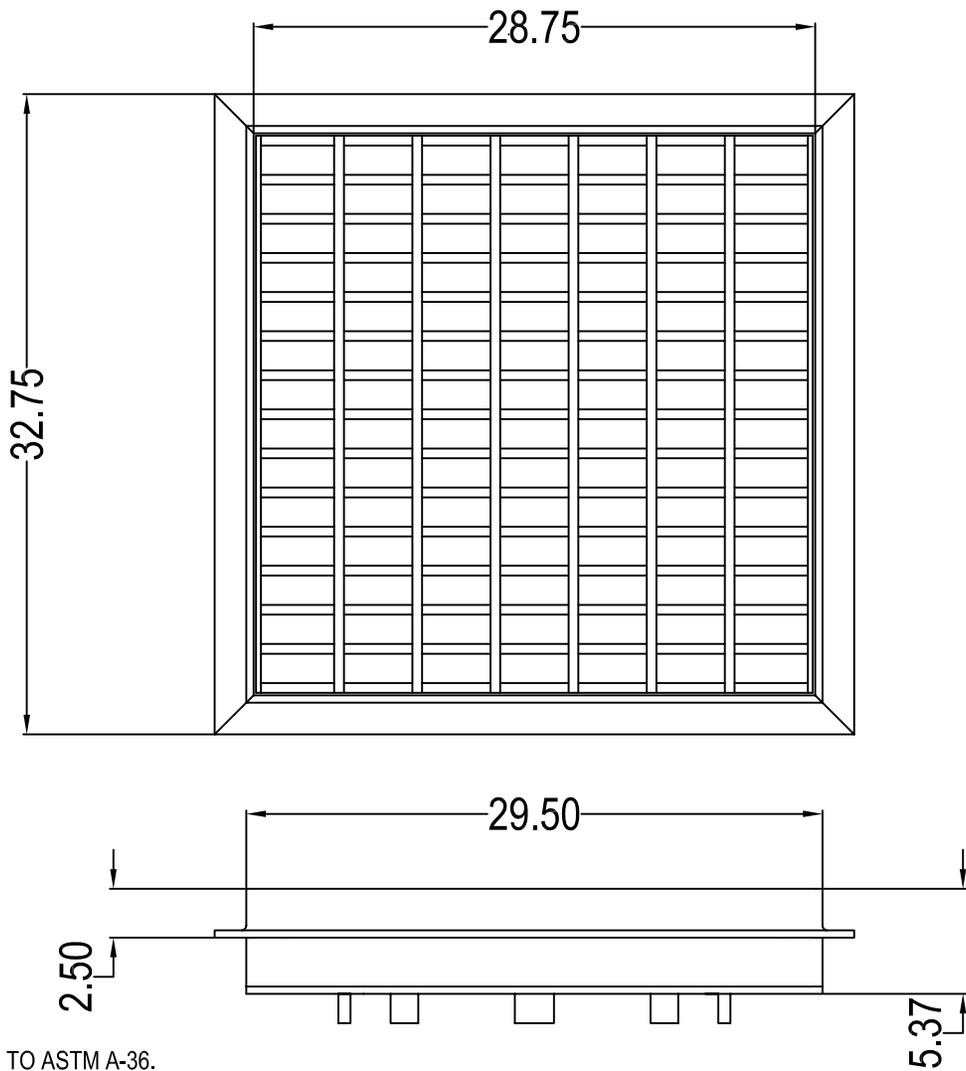
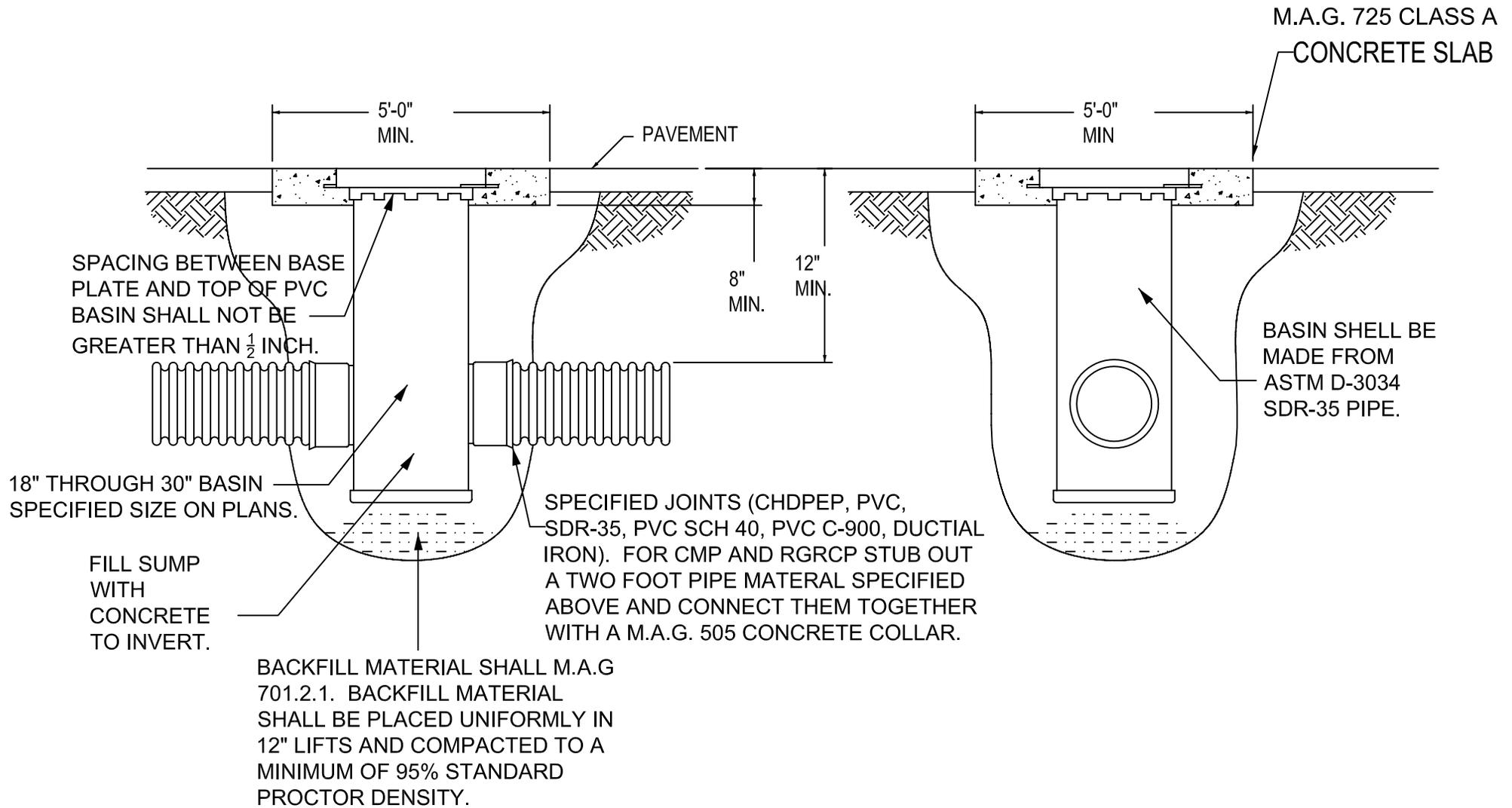
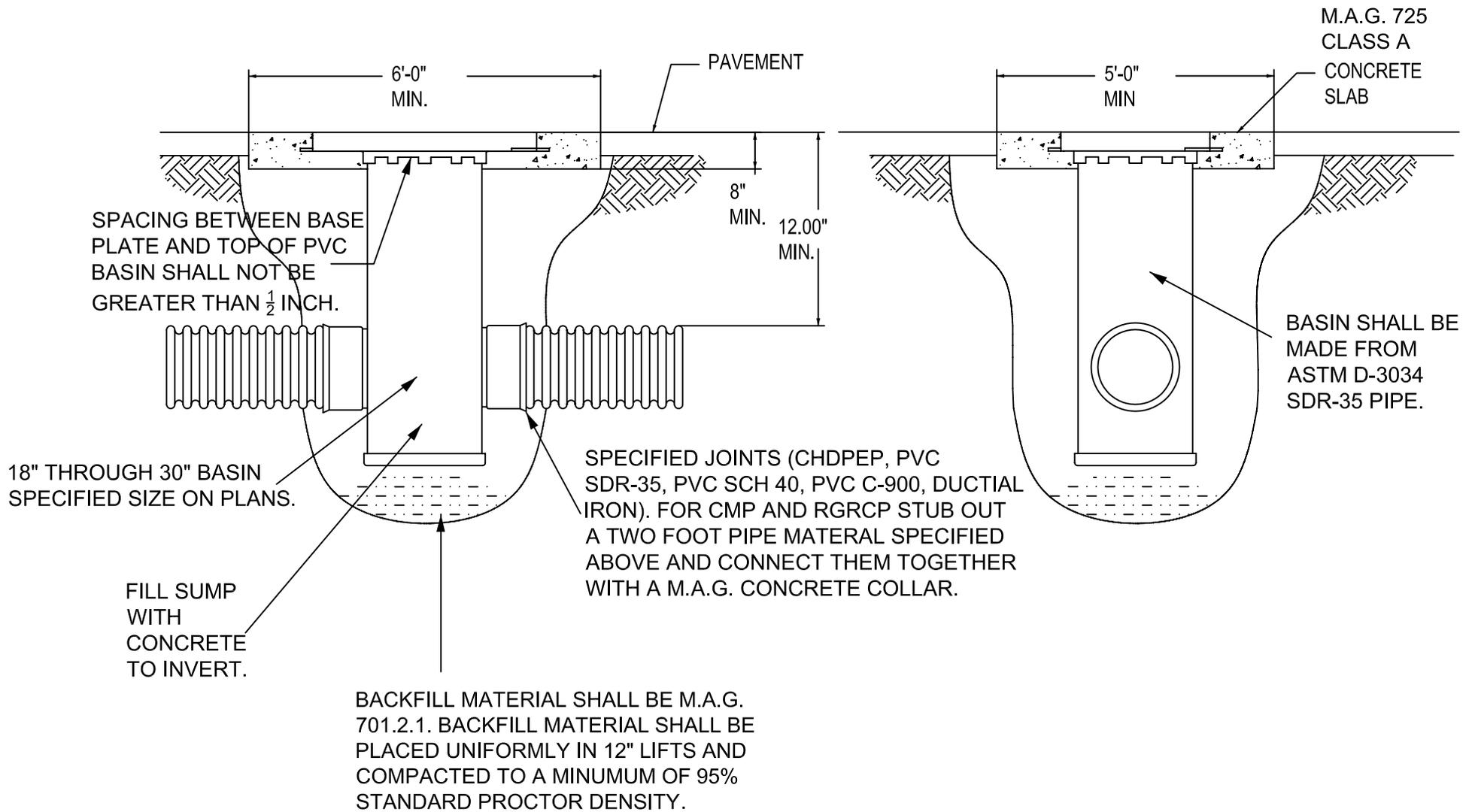


GRATE HAS H-25 HEAVY DUTY RATING.
 QUALITY: MATERIALS SHALL CONFORM TO ASTM A-36.
 MATERIAL: STEEL
 PAINT: FRAME & GRATE IS FURNISHED WITH A BLACK PAINT.
 LOCKING DEVICE AVAILABLE UPON REQUEST.
 APPROX. DRAIN AREA = 761.18 SQ IN.



GRATE HAS H-25 HEAVY DUTY RATING.
 QUALITY: MATERIALS SHALL CONFORM TO ASTM A-36.
 MATERIAL: STEEL
 PAINT: FRAME & GRATE IS FURNISHED WITH A BLACK PAINT.
 LOCKING DEVICE AVAILABLE UPON REQUEST.
 APROX. DRAIN AREA = 551.25 SQ IN.



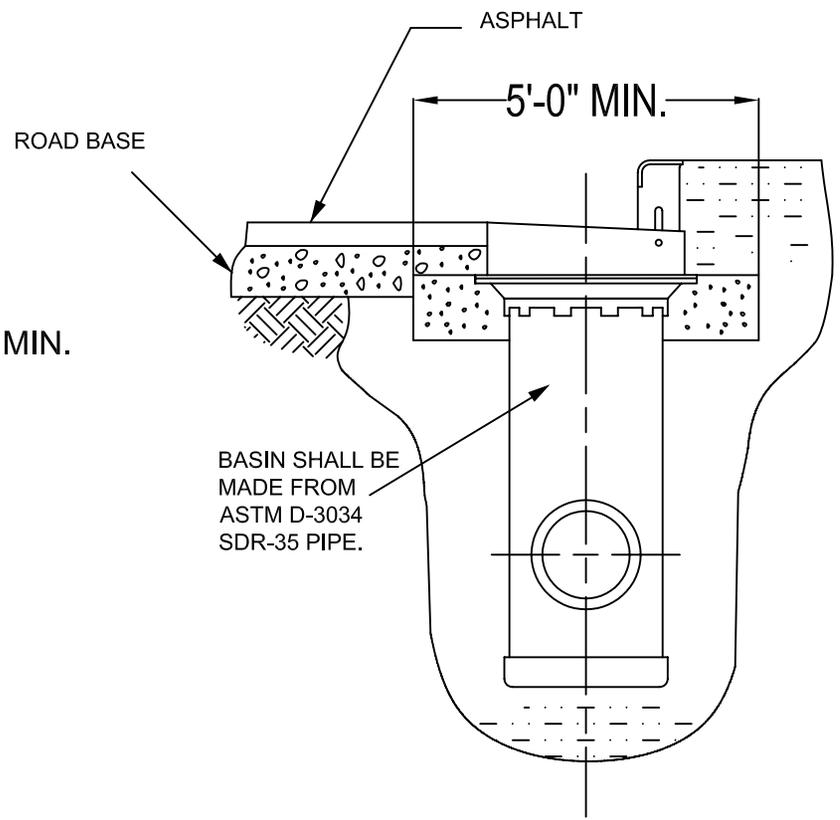
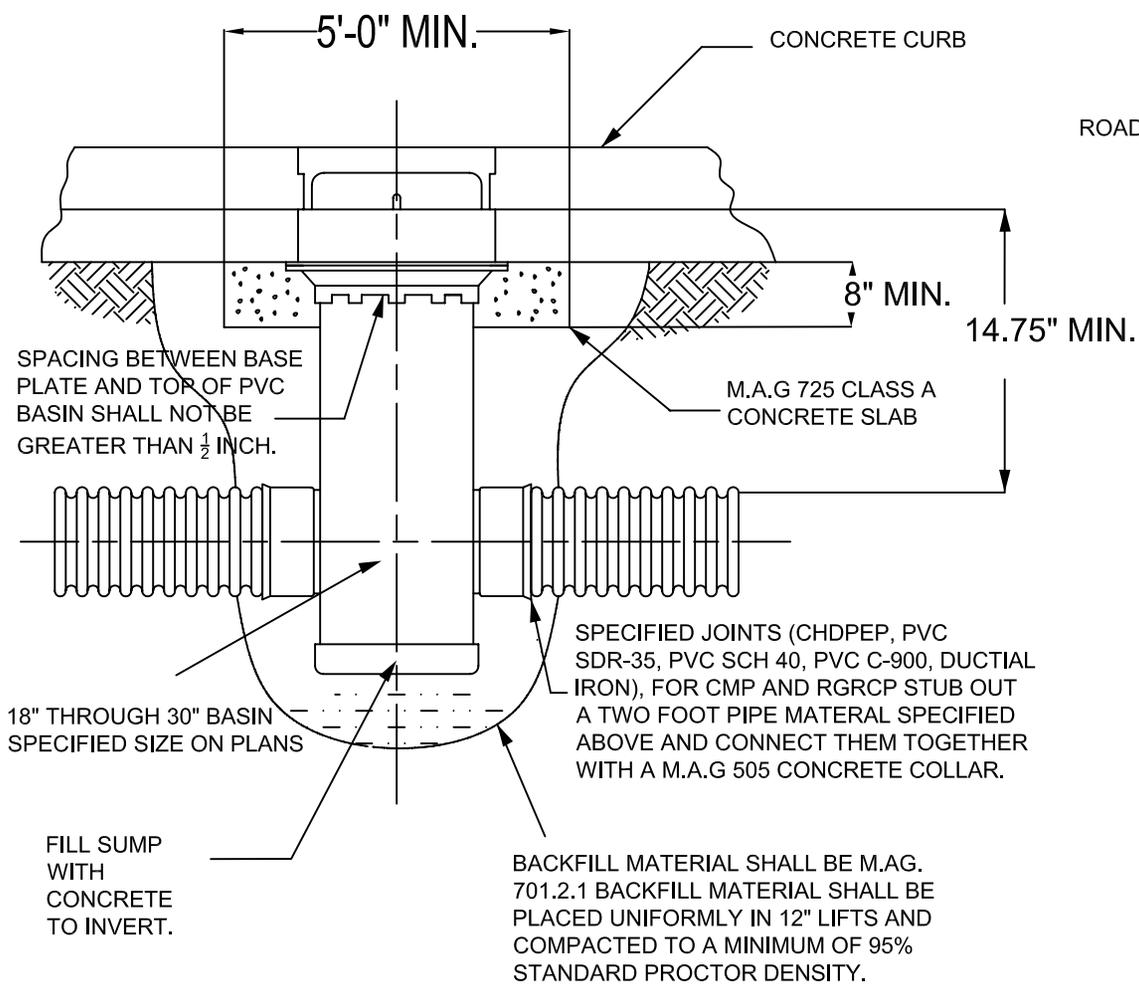


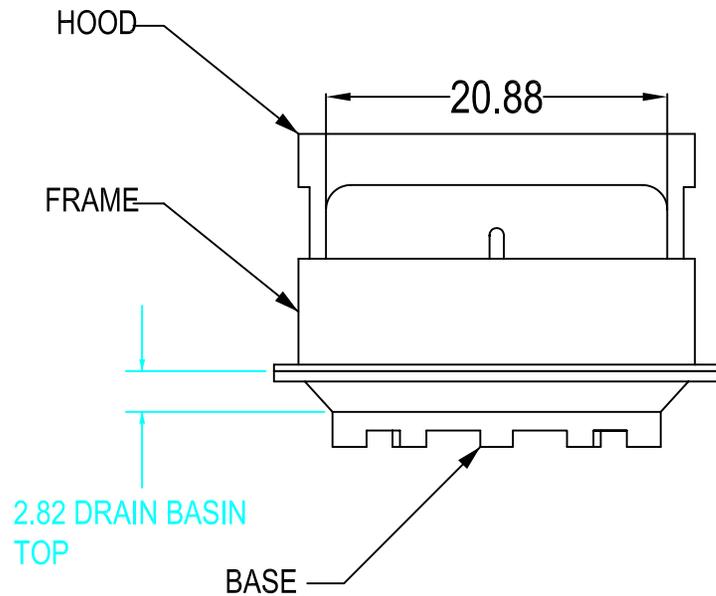
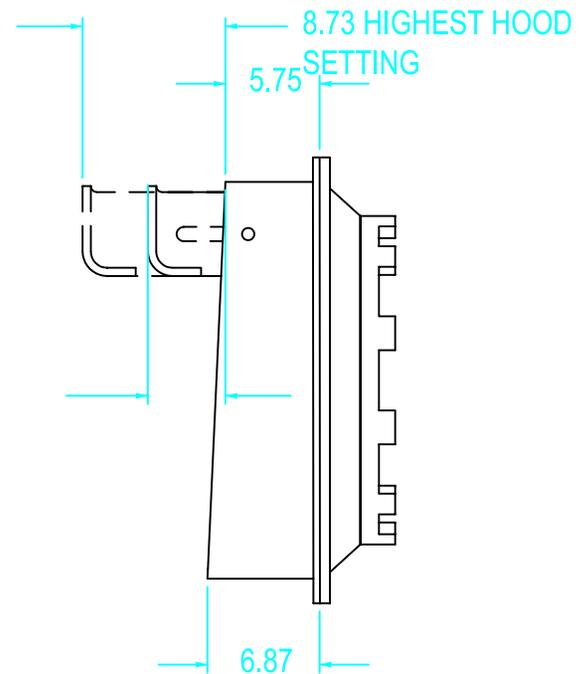
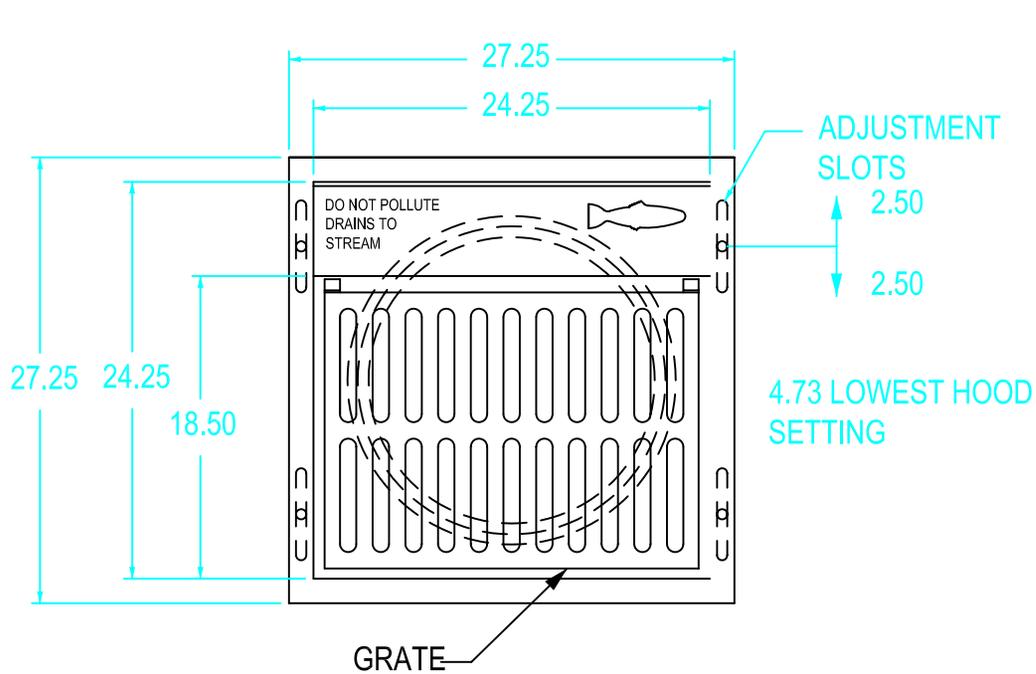
DETAIL NO.
535-2

CATCH BASIN 'J'

REVISED

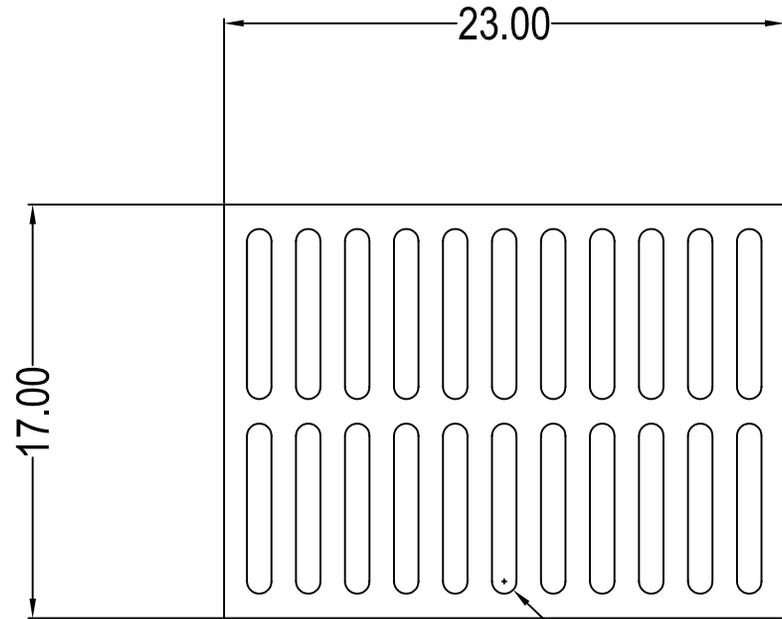
DETAIL NO.
535-2





1. CURB INLET GRATE FITS DRAIN BASIN SIZES: 12" - 30"
2. MATERIAL: DUCTILE IRON H-25 RATED GRATE CONFORMING TO ASTM A536 GRADE 70-50-05
3. ALL CASTINGS ARE FURNISHED WITH BLACK PAINT AND ZINC PLATED FASTENERS
4. LOCKING DEVICE AVAILABLE UPON REQUEST
5. SLOPE OF GRATE SURFACE IS 2.88%
6. CURB INLET FRAME INSIDE VOLUME IS APPROX 1.76 CU FT

GRATE HAS H-25 HEAVY DUTY RATING.
QUALITY: MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05.
MATERIAL: DUCTILE IRON
PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT.
LOCKING DEVICE AVAILABLE UPON REQUEST.



APPROX. DRAIN AREA OF GRATE = 146.18 SQ IN.
APPROX DRAIN AREA OF GRATE & HOOD @ LOWEST SETTING = 179.58 SQ IN.
APPROX DRAIN AREA OF GRATE & HOOD @ LOWEST + 1" SETTING = 200.46 SQ IN.
APPROX DRAIN AREA OF GRATE & HOOD @ LOWEST + 2" SETTING = 221.33 SQ IN.
APPROX DRAIN AREA OF GRATE & HOOD @ LOWEST + 3" SETTING = 242.20 SQ IN.
APPROX DRAIN AREA OF GRATE & HOOD @ HIGHEST SETTING = 263.08 SQ IN.

22 X 1.00 W GRATE SLOT

DETAIL NO.

542-3

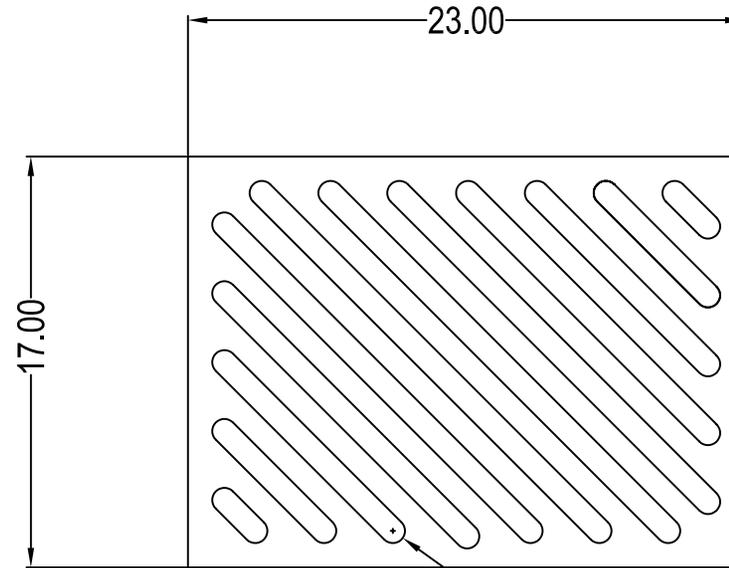
2' X 2' STANDARD GRATE DETAIL

REVISED

DETAIL NO.

542-3

GRATE HAS H-25 HEAVY DUTY RATING.
QUALITY: MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05.
MATERIAL: DUCTILE IRON
PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT.
LOCKING DEVICE AVAILABLE UPON REQUEST.



APPROX. DRAIN AREA OF GRATE = 146.70 SQ IN.
APPROX DRAIN AREA OF GRATE & HOOD @ LOWEST SETTING = 180.10 SQ IN.
APPROX DRAIN AREA OF GRATE & HOOD @ LOWEST + 1" SETTING = 200.98 SQ IN.
APPROX DRAIN AREA OF GRATE & HOOD @ LOWEST + 2" SETTING = 221.86 SQ IN.
APPROX DRAIN AREA OF GRATE & HOOD @ LOWEST + 3" SETTING = 242.74 SQ IN.
APPROX DRAIN AREA OF GRATE & HOOD @ HIGHEST SETTING = 263.62 SQ IN.

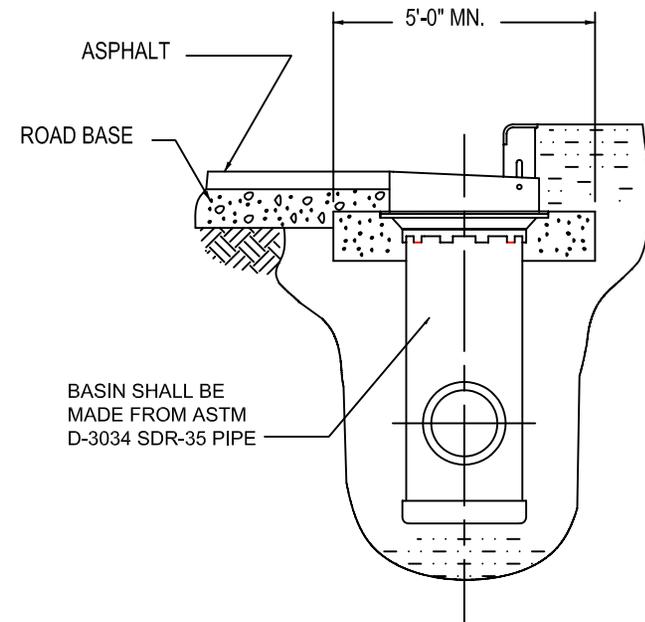
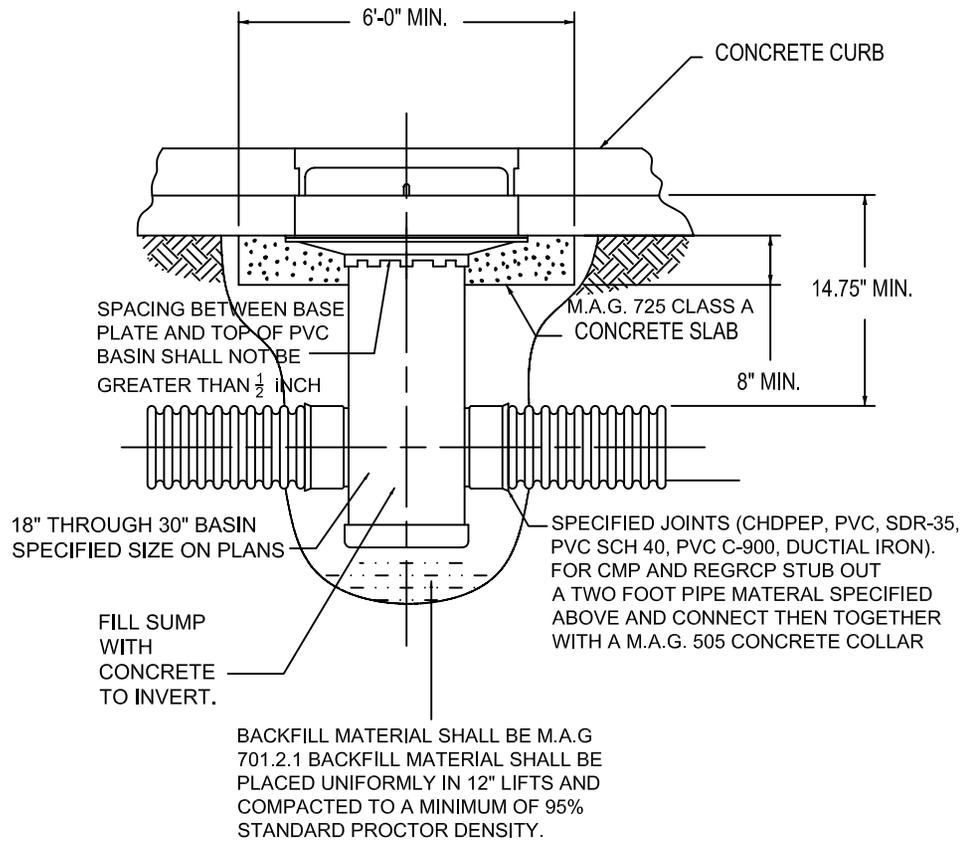
12 X 1.00 W GRATE SLOT

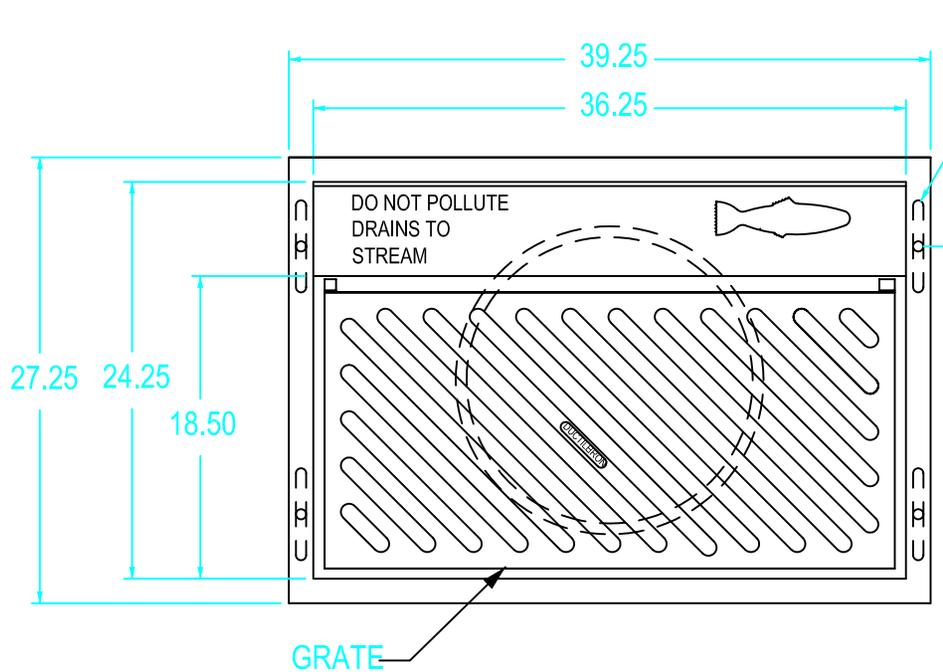
DETAIL NO.
542-4

2' X 2' DIAGONAL GRATE DETAIL

REVISED

DETAIL NO.
542-4



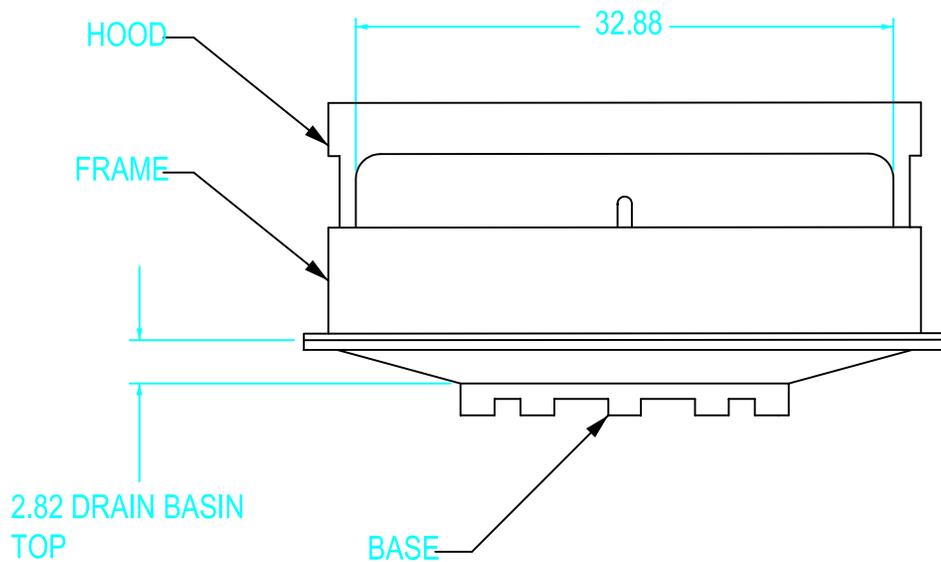
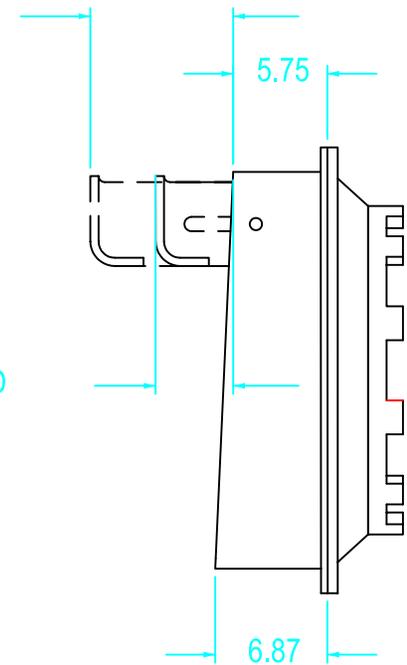


8.73 HIGHEST HOOD SETTING

ADJUSTMENT SLOTS 2.50

2.50

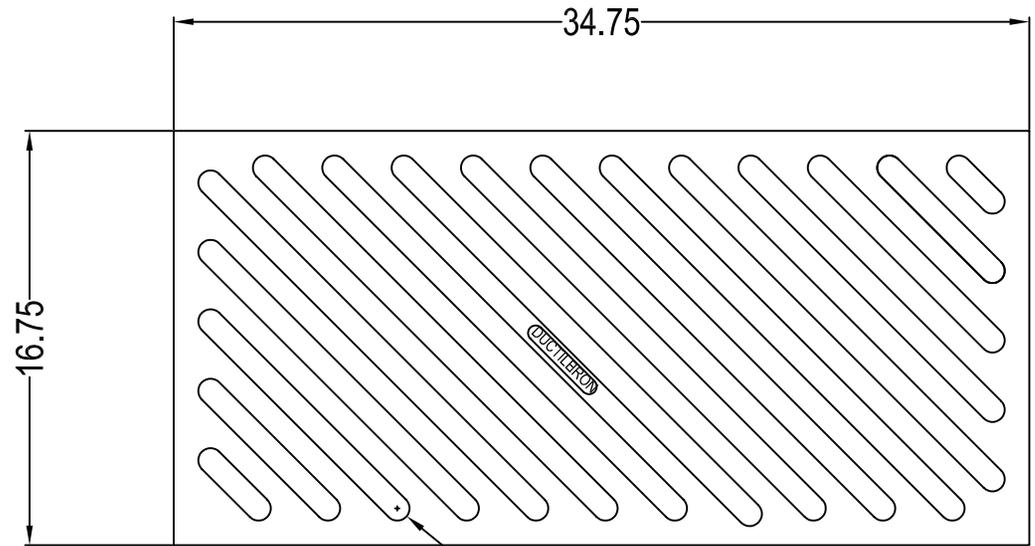
4.73 LOWEST HOOD SETTING



1. CURB INLET GRATE FITS DRAIN BASIN SIZES: 18" - 30"
2. MATERIAL: DUCTILE IRON H-25 RATED GRATE CONFORMING TO ASTM A536 GRADE 70-50-05
3. ALL CASTINGS ARE FURNISHED WITH BLACK PAINT AND ZINC PLATED FASTENERS
4. LOCKING DEVICE AVAILABLE UPON REQUEST
5. SLOPE OF GRATE SURFACE IS 2.88%
6. CURB INLET FRAME INSIDE VOLUME IS APPROX 2.73 CU FT

GRATE HAS H-25 HEAVY DUTY RATING.
QUALITY: MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05.
MATERIAL: DUCTILE IRON
PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT.
LOCKING DEVICE AVAILABLE UPON REQUEST.

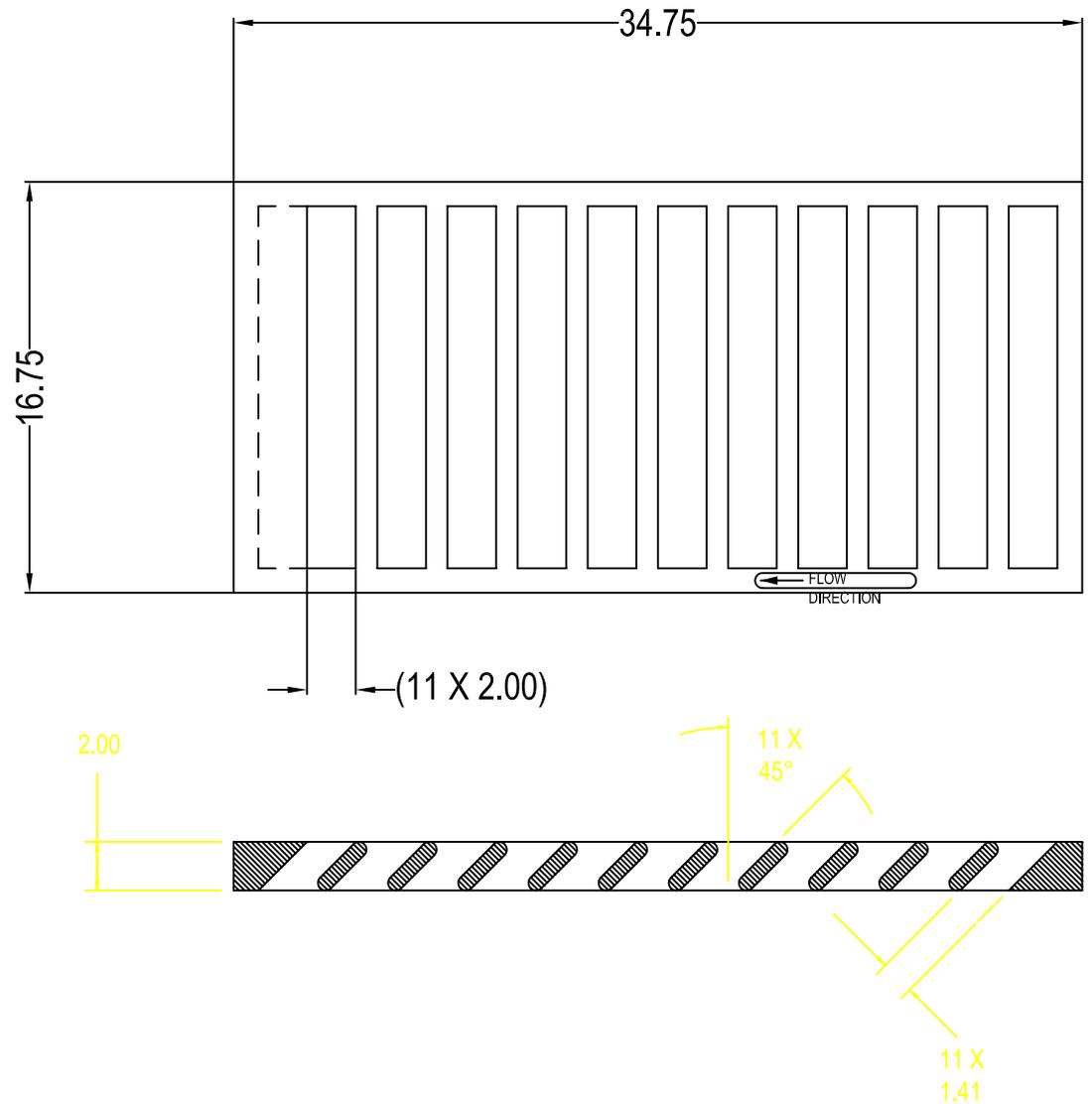
APPROX. DRAIN AREA OF GRATE = 232.87 SQ IN.
APPROX DRAIN AREA OF GRATE & HOOD @ LOWEST SETTING = 278.27 SQ IN.
APPROX DRAIN AREA OF GRATE & HOOD @ LOWEST + 1" SETTING = 311.15 SQ IN.
APPROX DRAIN AREA OF GRATE & HOOD @ LOWEST + 2" SETTING = 344.03 SQ IN.
APPROX DRAIN AREA OF GRATE & HOOD @ LOWEST + 3" SETTING = 376.91 SQ IN.
APPROX DRAIN AREA OF GRATE & HOOD @ HIGHEST SETTING = 409.79 SQ IN.

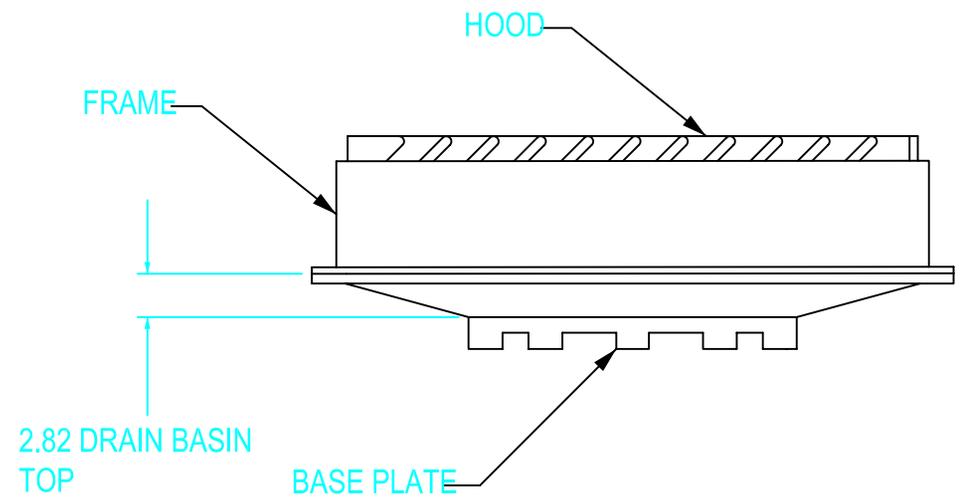
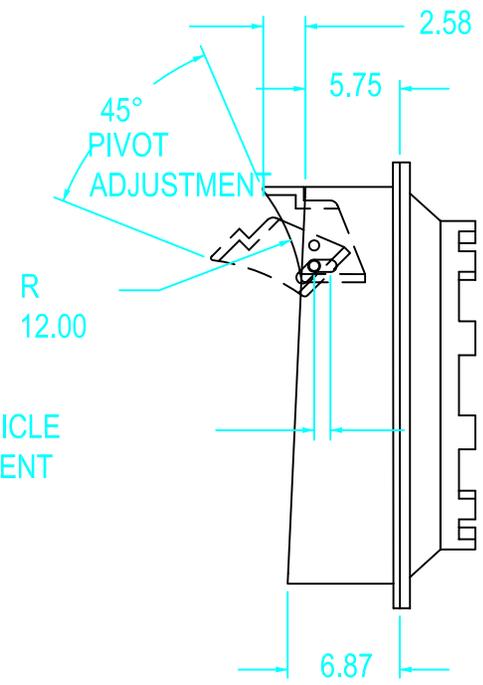
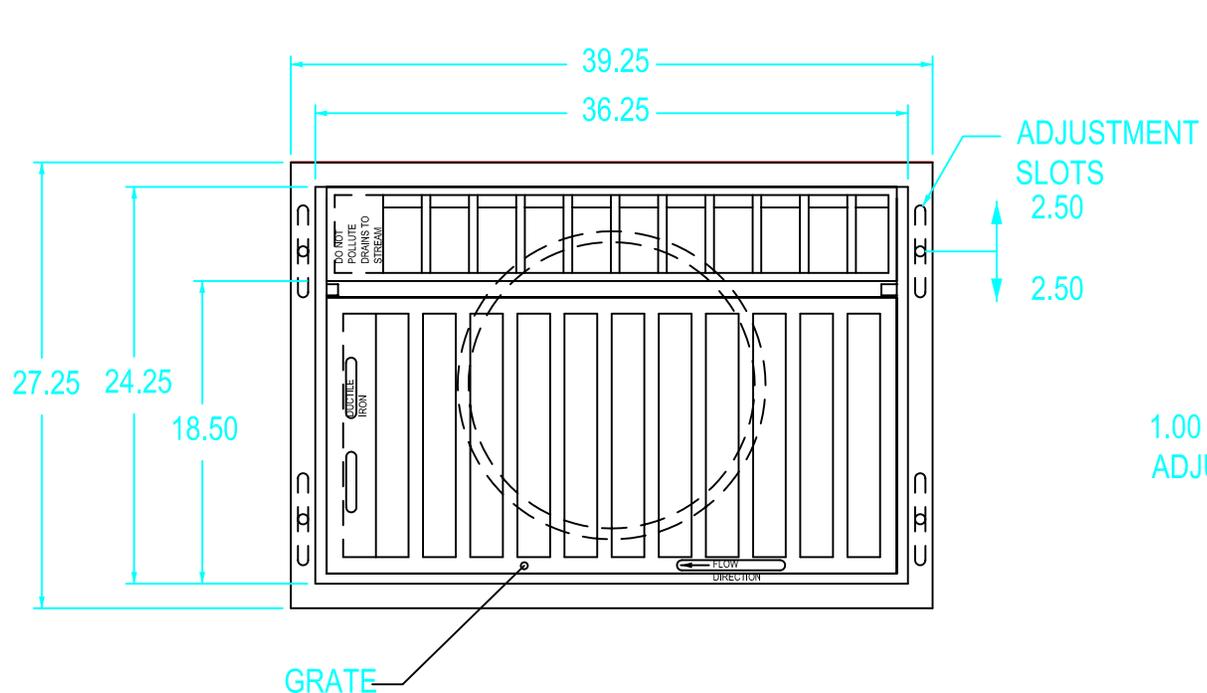


16 X 1.00 W GRATE SLOT

GRATE HAS H-25 HEAVY DUTY RATING.
 QUALITY: MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05.
 MATERIAL: DUCTILE IRON
 PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT.
 LOCKING DEVICE AVAILABLE UPON REQUEST.

APPROX. DRAIN AREA OF GRATE = 327.25 SQ IN.
 APPROX DRAIN AREA OF GRATE & HOOD @ LOWEST SETTING = 372.25 SQ IN.
 APPROX DRAIN AREA OF GRATE & HOOD @ LOWEST + 1" SETTING = 405.13 SQ IN.
 APPROX DRAIN AREA OF GRATE & HOOD @ LOWEST + 2" SETTING = 438.01 SQ IN.
 APPROX DRAIN AREA OF GRATE & HOOD @ LOWEST + 3" SETTING = 470.89 SQ IN.
 APPROX DRAIN AREA OF GRATE & HOOD @ HIGHEST SETTING = 503.77 SQ IN.
 APPROX. WEIGHT OF GRATE = 123.0 LBS.
 APPROX. WEIGHT OF GRATE, FRAME & HOOD ASSEMBLY W/ 18" BASE = 488.0 LBS.
 APPROX. WEIGHT OF GRATE, FRAME & HOOD ASSEMBLY W/ 24" BASE = 476.5 LBS.





1. CURB INLET GRATE FITS DRAIN BASIN SIZES: 18", 24" & 30"
2. MATERIAL: DUCTILE IRON H-25 RATED GRATE CONFORMING TO ASTM A536 GRADE 70-50-05
3. ALL CASTINGS ARE FURNISHED WITH BLACK PAINT AND ZINC PLATED FASTENERS
4. LOCKING DEVICE AVAILABLE UPON REQUEST
5. SLOPE OF GRATE SURFACE IS 2.88%
6. CURB INLET FRAME INSIDE VOLUME IS APPROX 2.73 CU FT
7. APPROX. DRAIN AREA = 434.58 SQ IN