

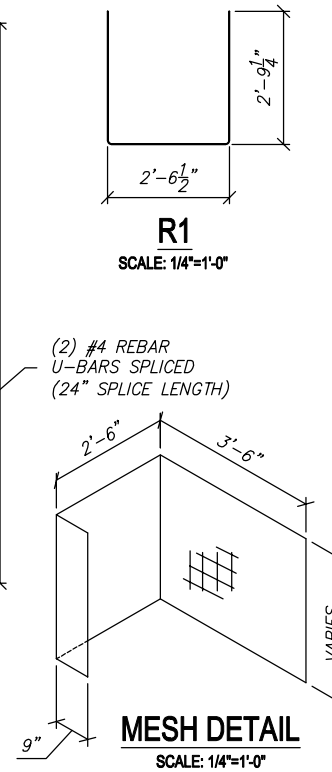
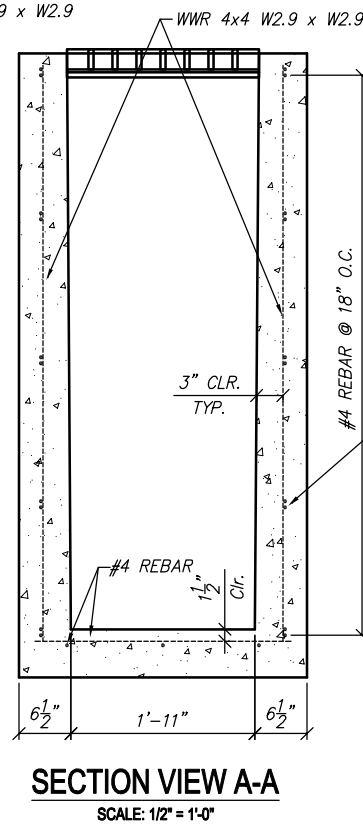
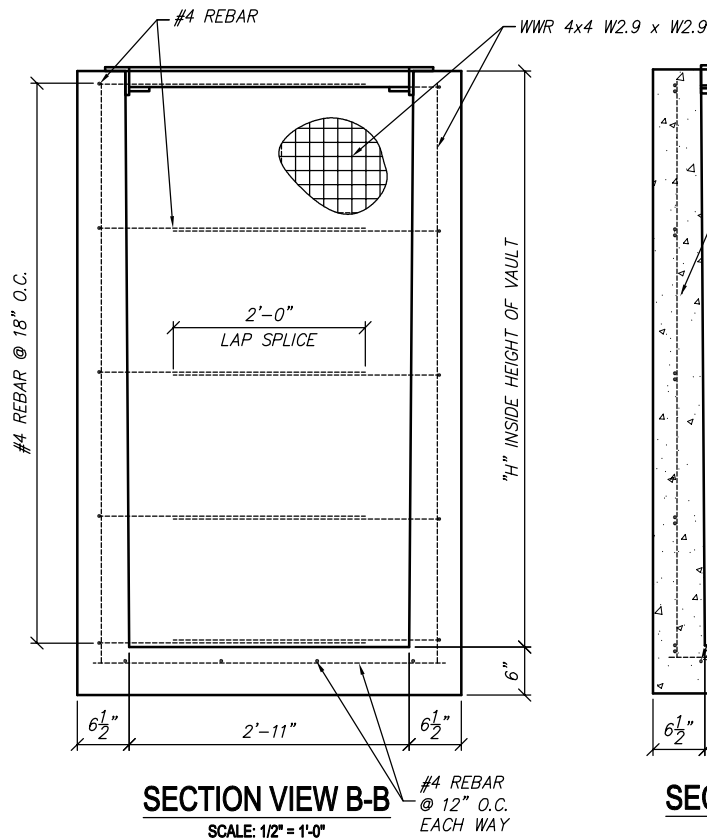
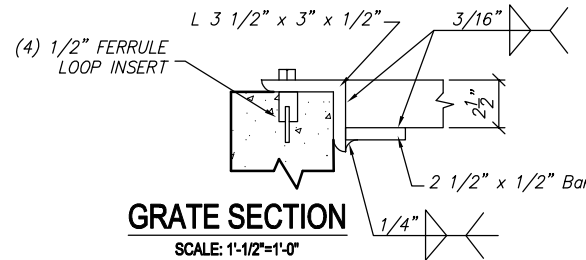
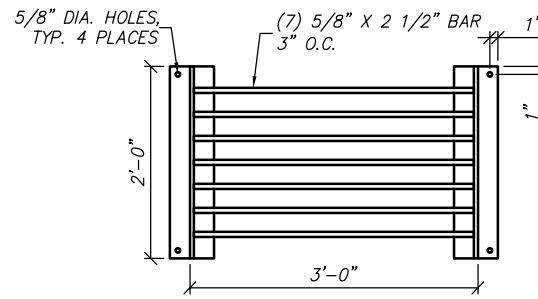
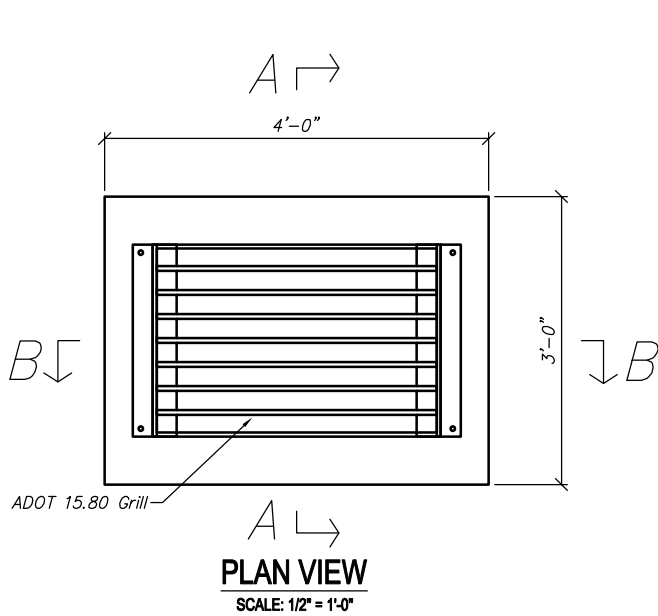
REV	DESCRIPTION	BY	DATE
A	ADDED "ADOT" TO GENERAL NOTES	FB	5/21/03
B	ADDED NEW TITLE BLOCK	AT	12/18/09
C	NCS UPDATE	CP	6/26/17

## STRUCTURAL NOTES

1. CONCRETE: 28 DAY COMPRESSIVE STRENGTH  $f_c = 5,000$  psi
2. REBAR: ASTM A-615 GRADE 60
3. MESH: ASTM A-1064 GRADE 65
4. DESIGN: ACI 318-14 BUILDING CODE  
ASTM C-857 "MINIMUM STRUCTURAL DESIGN LOADING FOR UNDERGROUND PRECAST CONCRETE UTILITY STRUCTURES"
5. LOADS: HS20-44 W/30% IMPACT PER AASHTO  
80 PSF LATERAL LIVE LOAD SURCHARGE - UP TO 8'-0" DEPTH  
SOIL: 40 PCF LATERAL SOIL PRESSURE ABOVE WATER TABLE  
80 PCF LATERAL SOIL PRESSURE BELOW WATER TABLE  
120 PCF SOIL DENSITY
6. SOIL COVER: NONE
7. WATER TABLE: 5'-0" BELOW GRADE

## GENERAL NOTES

1. CATCH BASIN TO BE CAST IN SECTIONS AS SHOWN FOR ALL HEIGHTS TO 6'-6" MAX. HEIGHTS OVER 6'-6" SHALL BE 2 SECTIONS. NO SECTION SHALL BE LESS THAN 12" IN HEIGHT. CONSEAL 1" JOINT SEALANT SHALL BE USED BETWEEN ALL SECTIONS.
2. MAXIMUM DEPTH: 8'-0"
3. GRATING SHALL BE FABRICATED OF STRUCTURAL STEEL.
4. STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH ASTM A36.
5. ALL WELDING SHALL BE IN ACCORDANCE WITH ADOT STANDARD SPECIFICATION 604-3.06.
6. GRATING ASSEMBLY SHALL BE GIVEN ONE SHOP COAT OF NO. 1 PAINT.
7. CONCRETE SHALL BE CLASS B IN ACCORDANCE WITH SECTION 1006 OF THE ADOT SPECIFICATIONS. NO. 1 PAINT.
8. GROUT SHALL BE NON-SHRINK & NON-METALLIC. THE TYPE SHALL BE APPROVED BY MATERIAL SERVICES.
9. THE "H" DIMENSION AS SPECIFIED ON THE PROJECT PLANS SHALL BE VERIFIED IN THE FIELD BEFORE CASTING.



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## 2 X 3 PRECAST CONCRETE CATCH BASIN

A.D.O.T. MODEL NO. C-15.80

CUSTOMER  
**STANDARD**

DATE	SALES	DRAWN	ENGINEER	CHECKED	SALES ORDER
3/25/02		AT			---
DRAWING NUMBER				REVISION	SHEET
U1100-1				B	1 OF 1
				REV DATE	