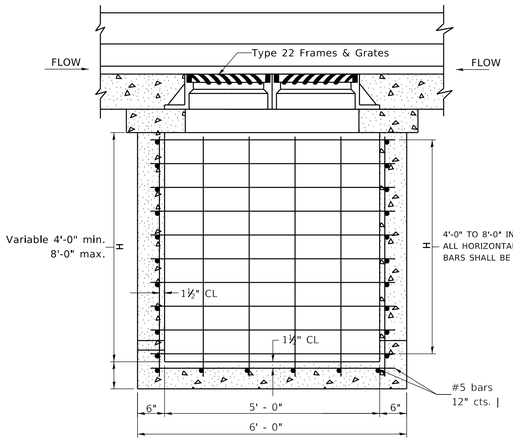
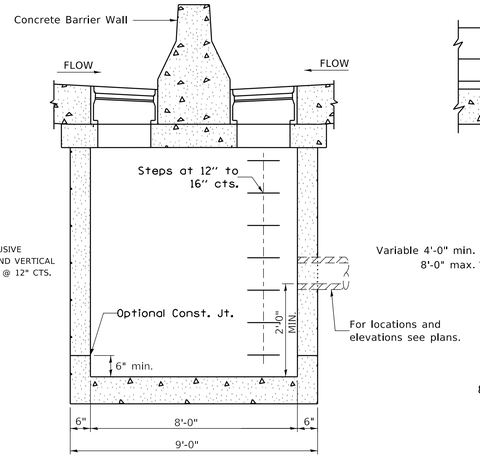
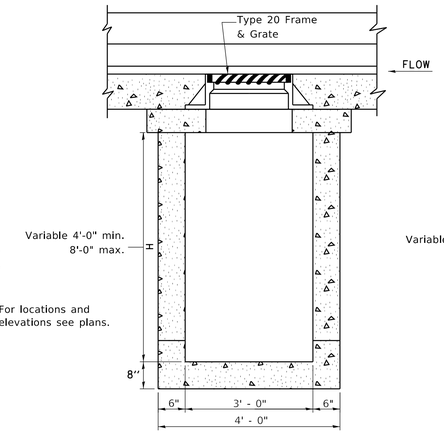


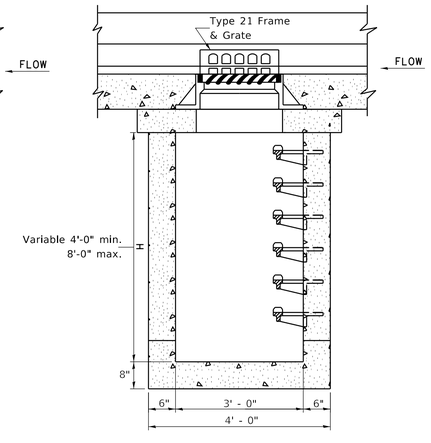
FRONT ELEVATION
(DRAINAGE STRUCTURE, TYPE 8x5)
TYPE 22 FRAME AND GRATE



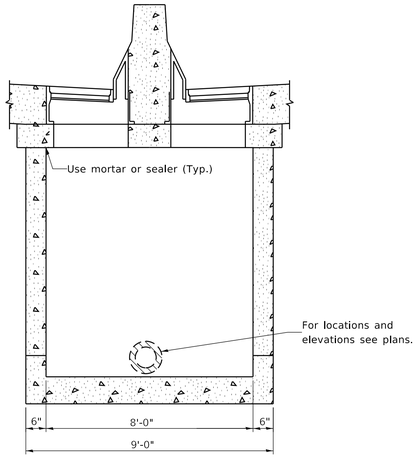
SIDE ELEVATION
(DRAINAGE STRUCTURE, TYPE 8x3 & 8x5)
TYPE 20 & 22 FRAME AND GRATE



FRONT ELEVATION
(DRAINAGE STRUCTURE,
TYPE 8x3)
TYPE 20 FRAME AND GRATE

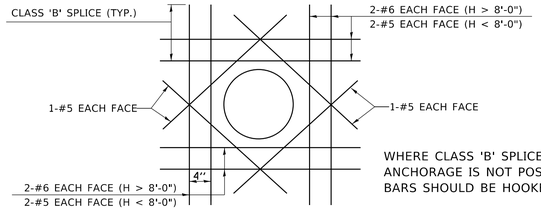


FRONT ELEVATION
(DRAINAGE STRUCTURE, TYPE 8x3)



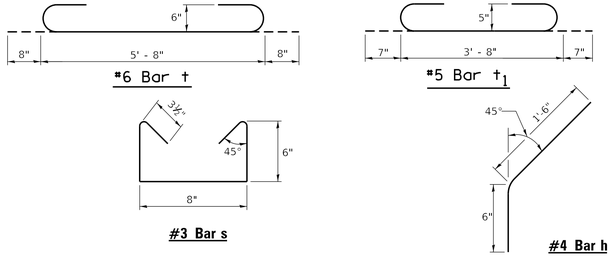
SIDE ELEVATION
(DRAINAGE STRUCTURE, TYPE 8x3)

TYPE 21 FRAME AND GRATE

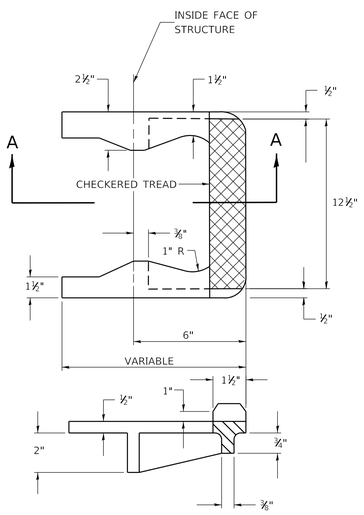


WHERE CLASS 'B' SPLICE LENGTH ANCHORAGE IS NOT POSSIBLE, BARS SHOULD BE HOOKED.

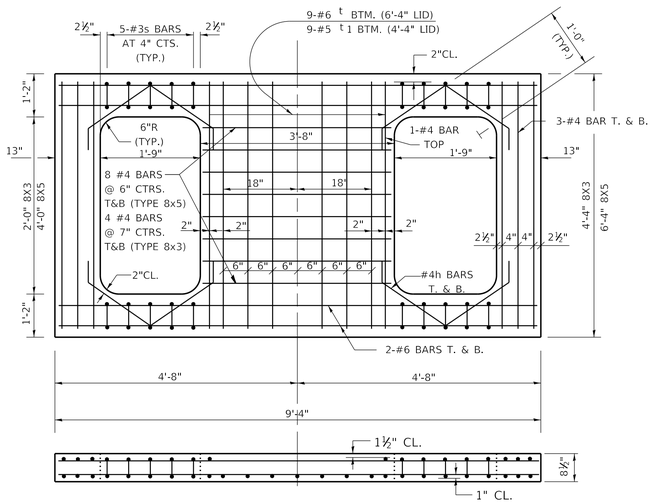
TYPICAL REINFORCEMENT DETAIL AROUND OPENINGS
(OPENING > 12")



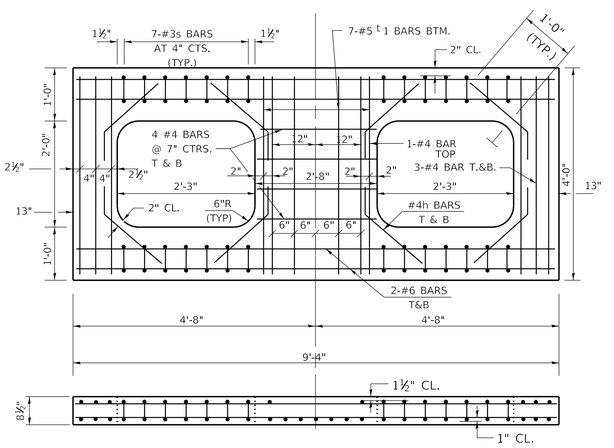
BAR DETAILS



SECTION A–A
CAST IRON STEPS



REINFORCED LID FOR
DRAINAGE STRUCTURES, TYPE 8x3 & 8x5
TYPE 20 & 22 FRAME AND GRATE



REINFORCED LID FOR
DRAINAGE STRUCTURE, TYPE 8x3
TYPE 21 FRAME & GRATE
(FOR USE IN SAG AREAS)

USER NAME = footemj	DESIGNED -	REVISED - 08-01-03	
	DRAWN -	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/5/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE STRUCTURES
TYPES 8x3 & 8x5 FOR H < 8'–0"

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	CS–09	CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
FILE NAME: pw:\\IL084EBIDINTEG.Illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist5\d022x33a\CADData\CADSheets\cs09.dgn

cs09.dgn 3/5/2019 1:53:16 PM User=footemj