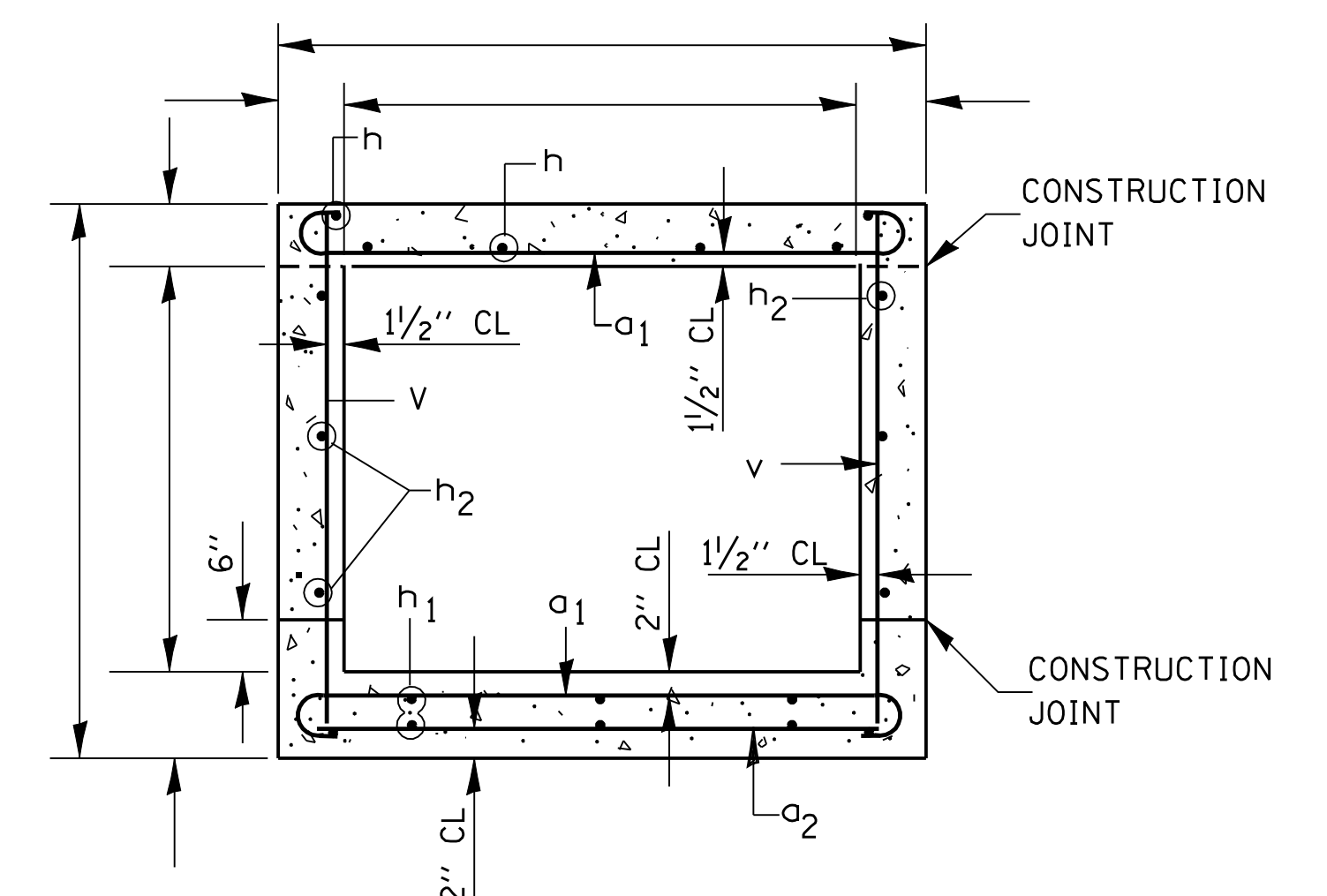
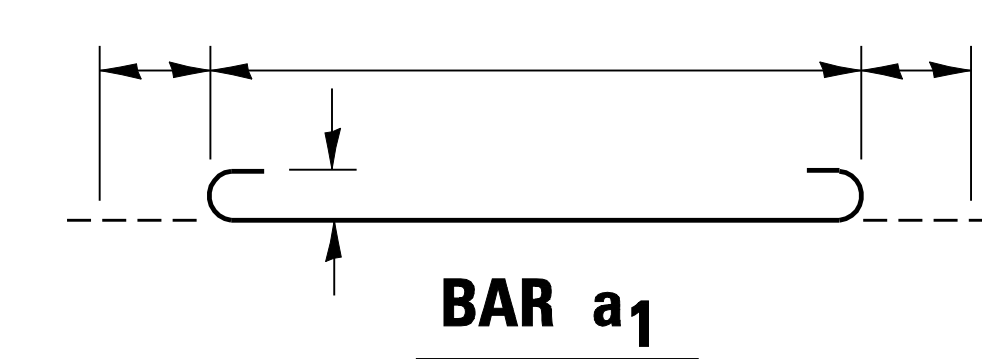


HALF LONG SECTION

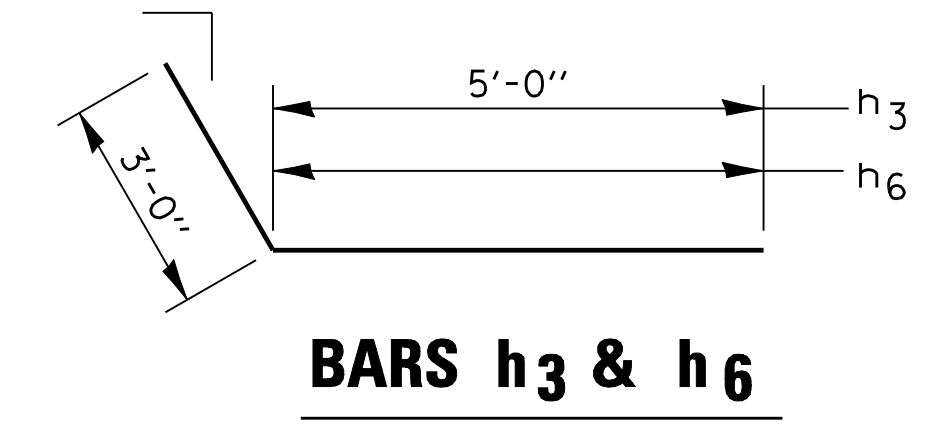
HALF ELEVATION



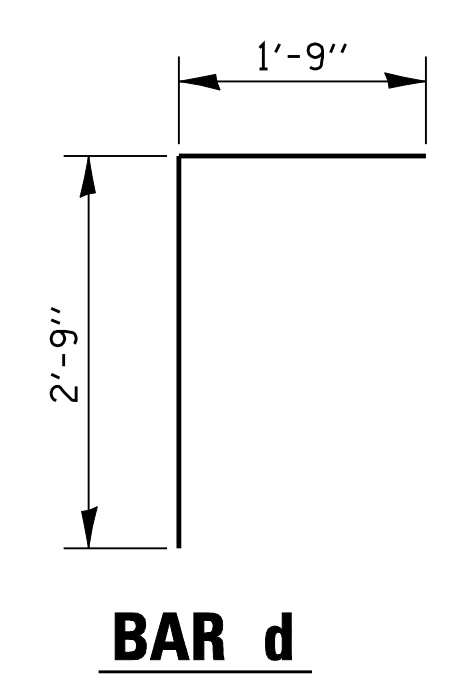
SECTION THRU BARREL



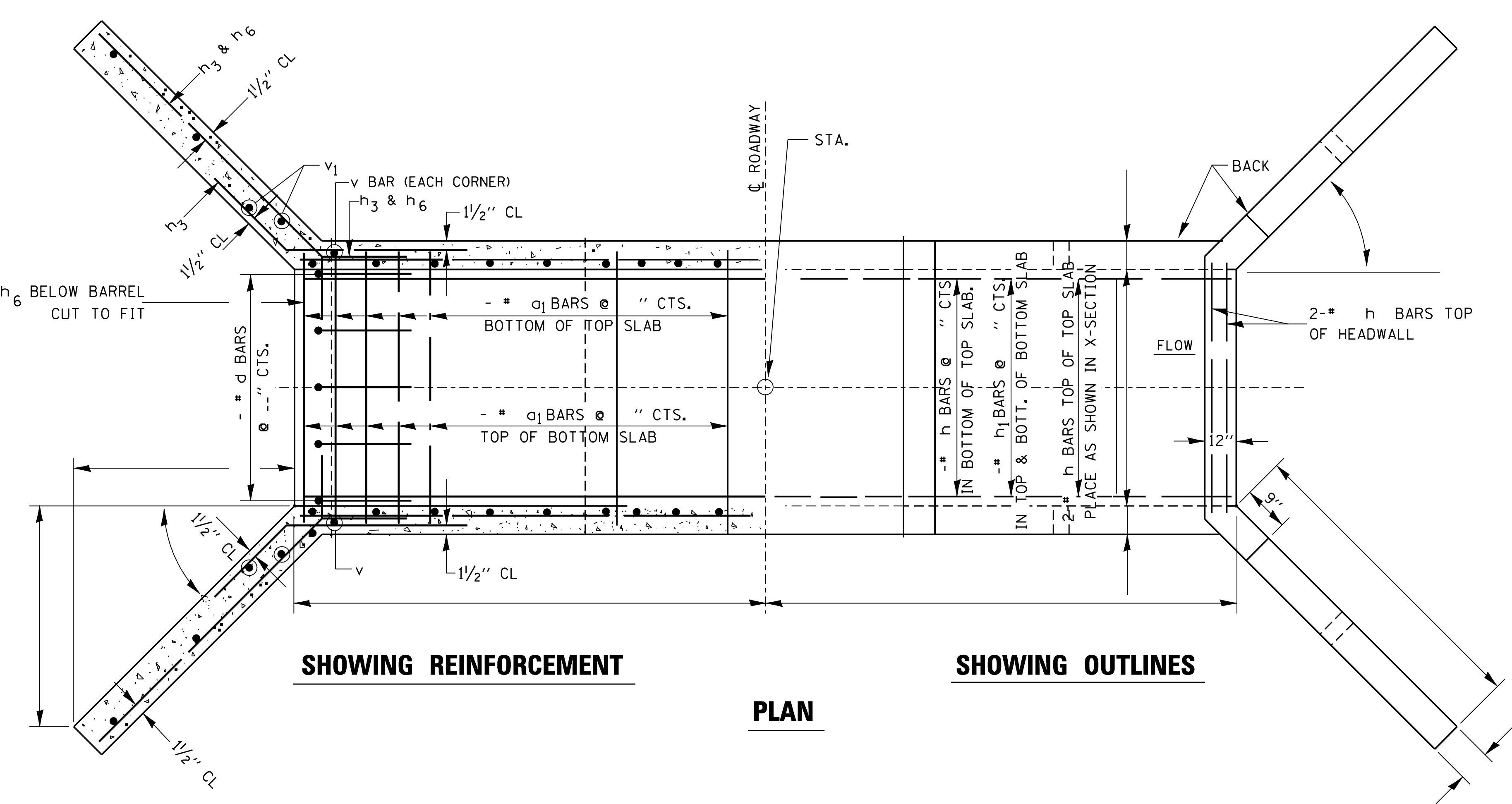
BAR a1



BARS h3 & h6



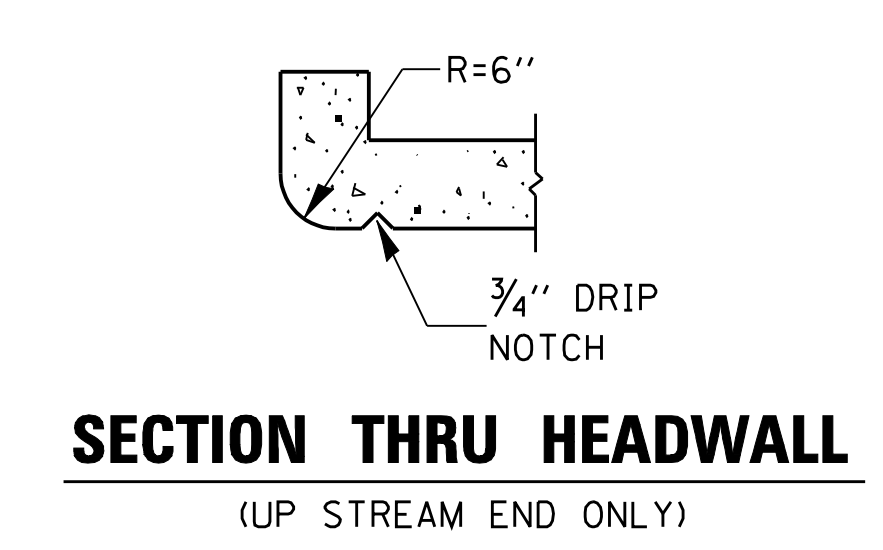
BAR d



SHOWING REINFORCEMENT

SHOWING OUTLINES

PLAN



SECTION THRU HEADWALL
(UP STREAM END ONLY)

BILL OF MATERIALS

BAR	NUMBER	SIZE	LENGTH
a1			
a2			
a3			
d			
h			
h1			
h2			
h3			
h4			
h6			
v			
v1			
v2			
CONC. BOX CULV.		CU. YDS.	
REINFORCEMENT BARS		LBS.	

GENERAL NOTES

CLASS SI CONCRETE SHALL BE USED THROUGHOUT.
 AT LEAST SIX FEET OF BARREL SHALL BE POURED MONLITHICALLY WITH WINGWALLS.
 EXPOSED EDGES SHALL BE BECELED 3/4".
 FOR BACKFILLING AND EMBANKMENTS SEE STANDARD SPECIFICATIONS.
 TILT HOOK OF a1 BARS, IF NECESSARY, TO OBTAIN 1/2" MINIMUM CLEARANCE AT TOP OF HOOK.

DESIGN STRESSES

fy=60,000 p.s.i.
 f'c= 3,500 p.s.i.

LOADING HS 20-44 & ALT.