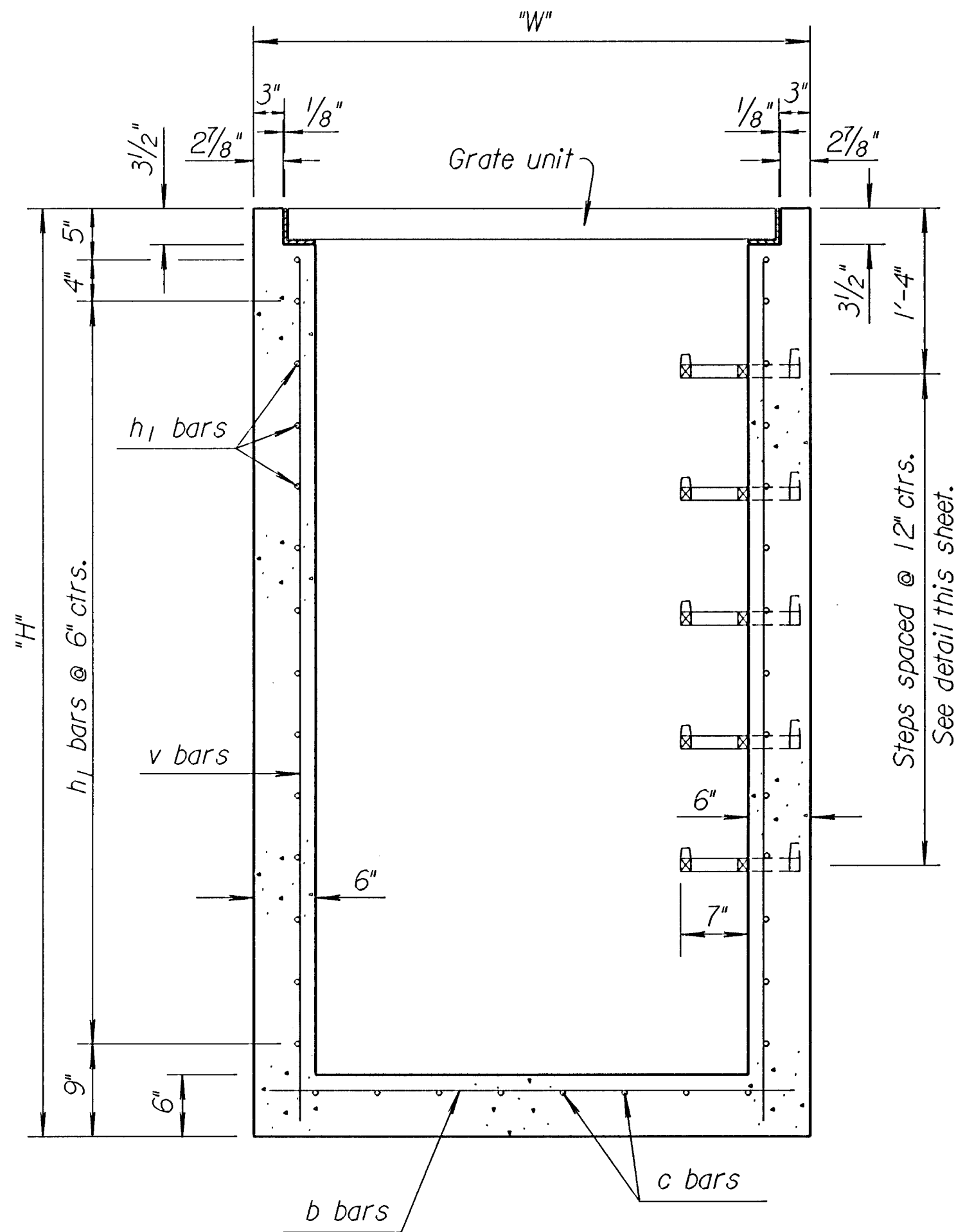
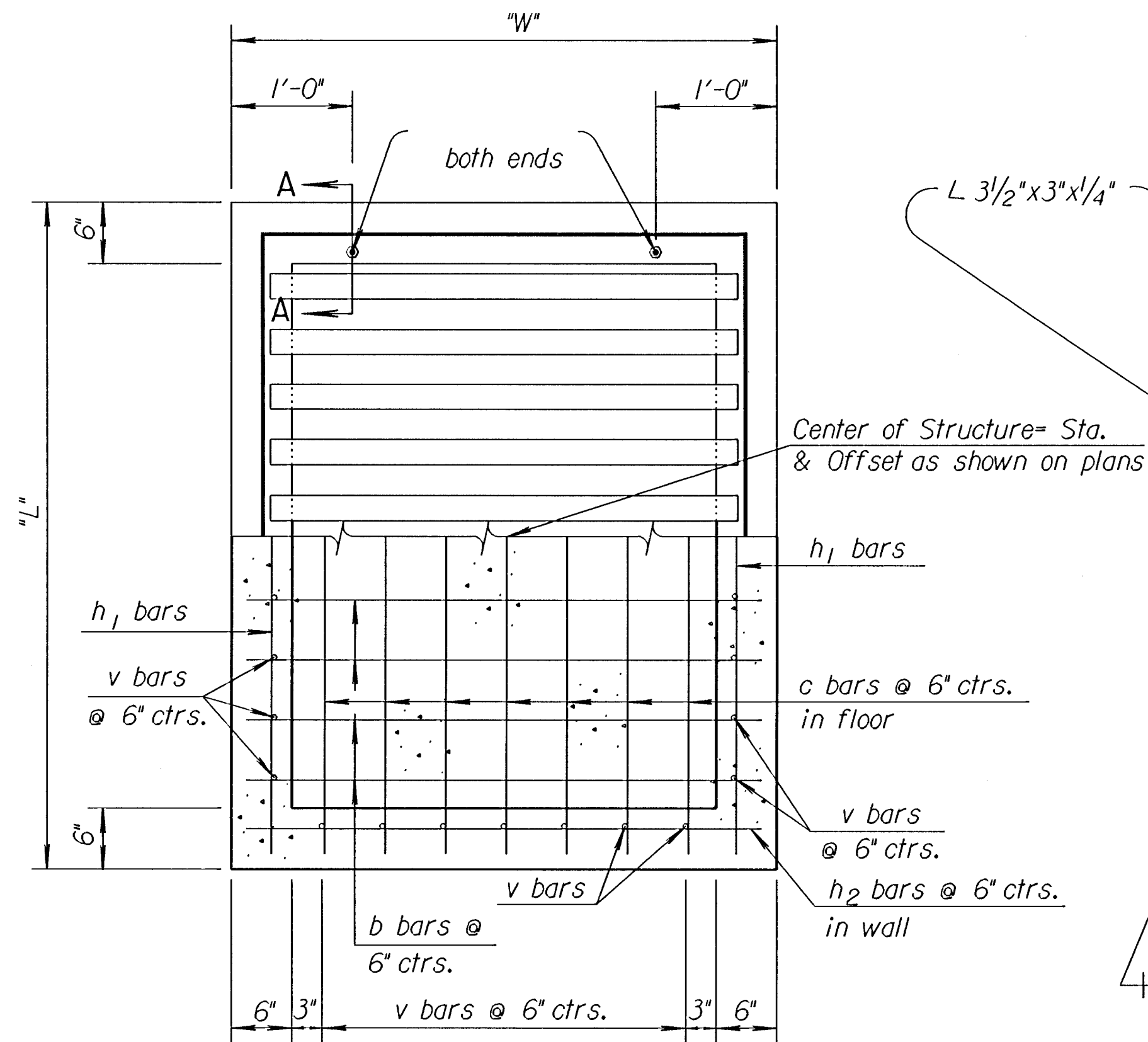
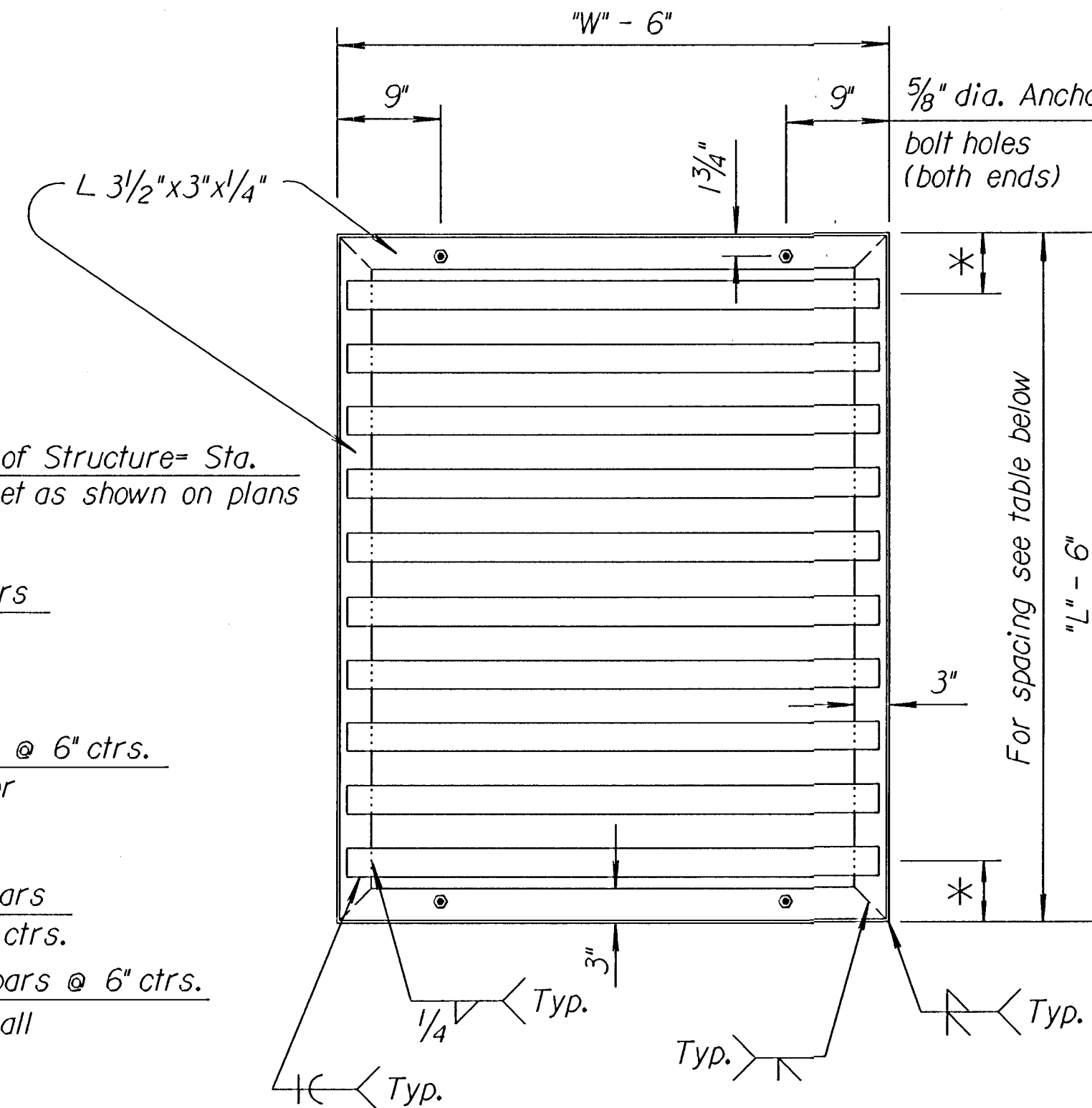




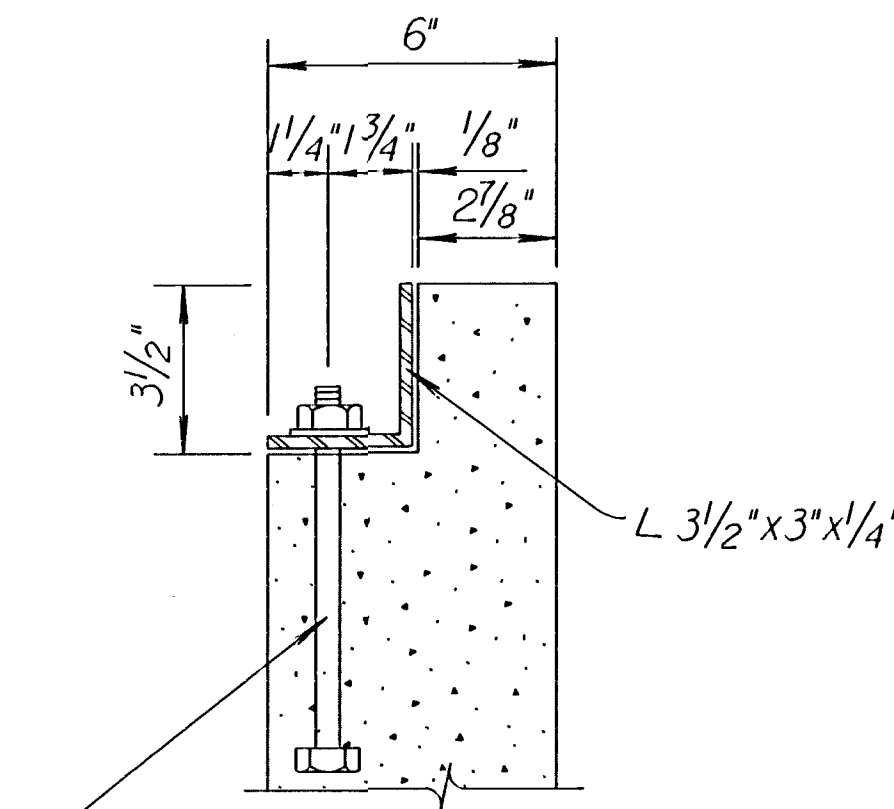
SECTION



PLAN AND SECTION

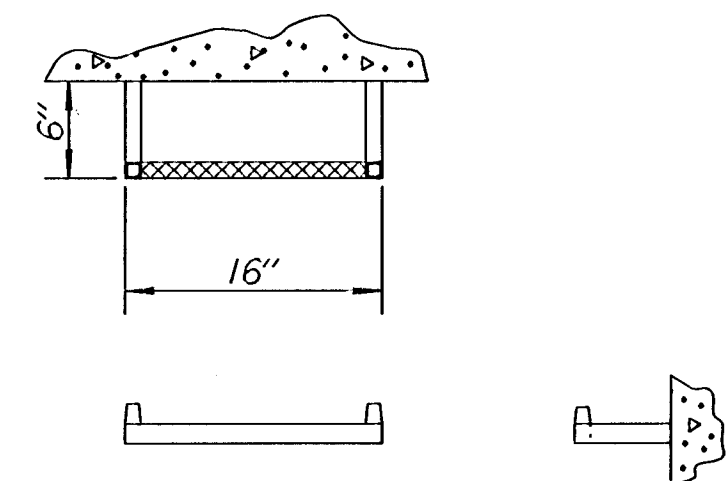


GRATE UNIT DETAILS
(TYPE E)



SECTION A-A

Note: Anchor bolts are subsidiary to the bid item "Inlet-Manhole, Special".



STEP DETAILS

BILL OF MATERIALS FOR INLET-MANHOLE (SPECIAL)

"L" 6'-0" x	"W" 6'-0" x	"H" 6'-0"		"L" 4'-6" x	"W" 4'-6" x	"H" 4'-6"																	
Bar	No.	Size	Length	Bar	No.	Size	Length	Bar	No.	Size	Length	Bar	No.	Size	Length	Bar	No.	Size	Length	Bar	No.	Size	Length
v	40	#4	5'-6"	v	28	#4	4'-0"	v		#4		v		#4		v		#4		v		#4	
c	10	#4	5'-9"	c	7	#4	4'-3"	c		#4		c		#4		c		#4		c		#4	
b	10	#4	5'-9"	b	7	#4	4'-3"	b		#4		b		#4		b		#4		b		#4	
h ₁	22	#4	5'-9"	h ₁	16	#4	4'-3"	h ₁		#4		h ₁		#4		h ₁		#4		h ₁		#4	
h ₂	22	#4	5'-9"	h ₂	16	#4	4'-3"	h ₂		#4		h ₂		#4		h ₂		#4		h ₂		#4	
Class "A" Conc.			2.85	Class "A" Conc.			1.52	Class "A" Conc.				Class "A" Conc.				Class "A" Conc.				Class "A" Conc.			
Reinf. steel			393	Reinf. steel			205	Reinf. steel				Reinf. steel				Reinf. steel				Reinf. steel			
Struct. steel			455	Struct. steel			260	Struct. steel				Struct. steel				Struct. steel				Struct. steel			
Class III Excav.			14	Class III Excav.			7	Class III Excav.				Class III Excav.				Class III Excav.				Class III Excav.			

PIPE DIMENSIONS AND SPACING

L x W	No. of Bars	Dia. x Length x Spacing	*
4'-6" x 4'-6"	8	2 1/2" x 3'-10 1/4" pipes @ 5 1/2" ctrs.	4 3/4"
6'-0" x 6'-0"	11	2 1/2" x 5'-4 1/4" pipes @ 5 1/2" ctrs.	5 1/2"

NO.	DATE	REVISED	BY	APP'D
6	1-30-92	Rev. step det.¬es,ent. on CADD	R.J.S.	J.O.B.
5	10-8-86	Rev. pipe clearance on No. 10 & 8	R.J.S.	J.O.B.
KANSAS DEPARTMENT OF TRANSPORTATION				
INLET - MANHOLE, SPECIAL				
RD648:				
FWHA APPROVAL 2-27-92 APP'D James O. Brewer				
DESIGNED	DETAILED	QUANTITIES	TRACED	B.N.B.
DESIGN CK.	DETAIL CK.	QUAN. CK.	TRACE CK.	R.J.S.