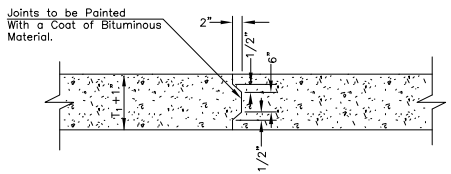
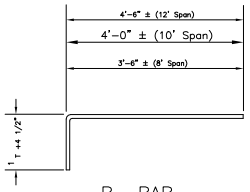
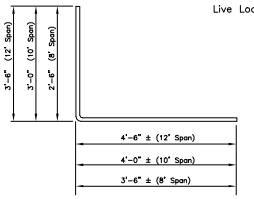


DETAIL OF CONSTRUCTION JOINT

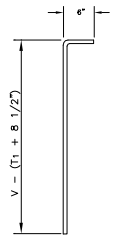


B_1 BAR

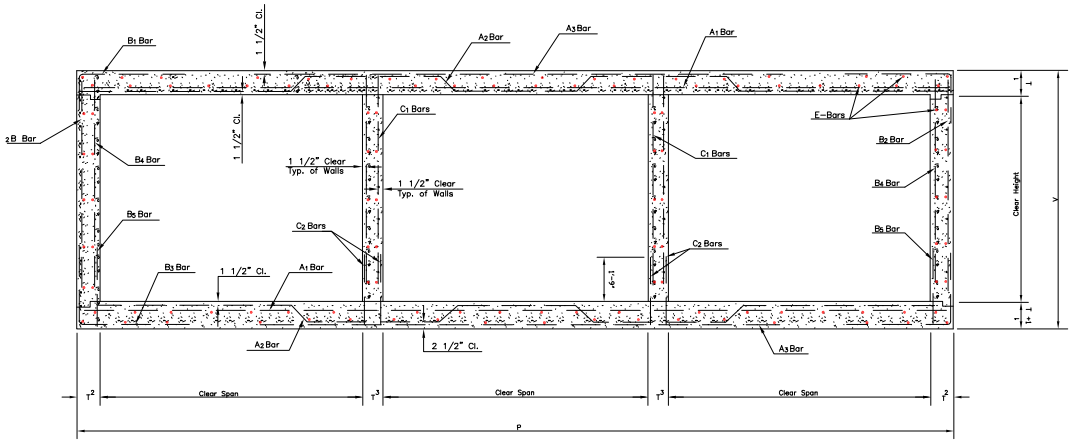
Live Load HS 20



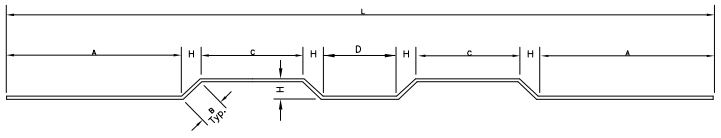
B_3 BAR



B_2 BAR



TYPICAL BARREL SECTION



A_2 BAR

NOTES:

All construction and materials shall be in accordance with the current City of Chickasha Standard Specifications.

Reinforcing steel in bottom slab (footing) shall be supported on bar chairs. Chairs shall be supported on timber planks or Class "C" concrete strips placed at 4' ctrs.

Reinforcing steel in top slab shall be supported on slab spacers.

Reinforcing steel in the walls shall be held in place by metal chairs. Maximum spacing of the chairs shall be 6'.

Cost of metal chairs, wood plank or concrete strips shall be included in other items of work.

Note:
All Bar Dimensions
Are Out To Out.

Clear Span	Clear Height	A_2 BAR Dimensions						
		A	B	C	D	H	L	Ttl. Lng.
8	4'	6'-8 ¾"	7 ½"	3'-5 ½"	4'-4 ½"	5 ½"	26'-9"	27'-5"
	6'	6'-8 ¾"	7 ½"	3'-5 ½"	4'-4 ½"	5 ½"	26'-9"	27'-5"
	8'	6'-8 ¾"	7 ½"	3'-5 ½"	4'-4 ½"	5 ½"	26'-9"	27'-5"
10	4'	8'-3 ¾"	9 ½"	4'-3"	5'-4 ½"	6 ¾"	32'-9"	33'-8"
	6'	8'-3 ¾"	9 ½"	4'-3"	5'-4 ½"	6 ¾"	32'-9"	33'-8"
	8'	8'-3 ¾"	9 ½"	4'-3"	5'-4 ½"	6 ¾"	32'-9"	33'-8"
	10'	8'-5"	9 ½"	4'-3 ½"	5'-5"	6 ¾"	33'-1"	34'-0"
	12'	8'-6 ¼"	9 ½"	4'-4"	5'-5 ½"	6 ¾"	33'-5"	34'-4"
12	4'	9'-9 ¾"	12"	4'-11½"	6'-4 ½"	8 ½"	38'-9"	39'-11"
	6'	9'-9 ¾"	12"	4'-11½"	6'-4 ½"	8 ½"	38'-9"	39'-11"
	8'	9'-9 ¾"	12"	4'-11½"	6'-4 ½"	8 ½"	38'-9"	39'-11"
	10'	9'-11"	12"	5'-0"	6'-5"	8 ½"	39'-1"	40'-3"
	12'	10'-0 ¼"	12"	5'-0 ½"	6'-5 ½"	8 ½"	39'-5"	40'-7"
	14'	10'-1 ½"	12"	5'-1"	6'-6"	8 ½"	39'-9"	40'-11"

Clear Span	Clear Height	Area Sq.Ft.	DIMENSIONS					REINFORCING STEEL																												QUANTITIES Per Linear Ft. Of Barrel		QUANTITIES For One Pedestal	
			T_1	T_2	T_3	V	P	A_1			A_2			A_3			B_1			B_2			B_3			B_4			B_5			C_1			C_2			E						
								Size	Spac.	Length	Size	Spac.	Length	Size	Spac.	Length	Size	Spac.	Length	Size	Spac.	Length	Size	Spac.	Length	Size	Spac.	Length	Size	Spac.	Length	Size	Spac.	Length	Size	Spac.	Length	Size	Spac.	No.ofBars	Steel-Lbs.	Conc.-C.Y.	Steel-Lbs.	Conc.-C.Y.
8'	4'	96	8 ½"	9"	9"	5'-6"	27'-0"	#4	12"	26'-8"	#5	12"	27'-5"	#6	12"	16'-0"	#5	10"	4'-7"	#5	10"	4'-7"	#5	10"	6'-0"	#4	12"	4'-0"	#4	12"	2'-6"	#4	12"	4'-0"	#4	12"	2'-6"	#4	18"	92	266.36	1.944	250	1.88
	6'	144	8 ½"	9"	9"	7'-6"	27'-0"	#4	12"	26'-8"	#5	12"	27'-5"	#6	12"	16'-0"	#5	10"	4'-7"	#5	10"	6'-7"	#5	10"	6'-0"	#4	12"	6'-0"	#4	12"	2'-6"	#4	12"	6'-0"	#4	12"	2'-6"	#4	18"	102	286.06	2.167	250	1.88
	8'	196	8 ½"	9"	9"	9'-6"	27'-0"	#4	12"	26'-8"	#5	12"	27'-5"	#6	12"	16'-0"	#6	12"	4'-7"	#6	12"	8'-7"	#6	12"	6'-0"	#4	12"	8'-0"	#4	12"	2'-6"	#4	12"	8'-0"	#4	12"	2'-6"	#4	18"	108	312.69	2.389	250	1.88
10'	4'	120	9 ¾"	9"	9"	5'-8 ½"	33'-0"	#4	11"	32'-8"	#6	11"	33'-8"	#6	11"	20'-0"	#6	9"	5'-2"	#6	9"	4'-8"	#6	9"	7'-0"	#4	12"	4'-2"	#4	12"	3'-0"	#4	12"	4'-2"	#4	12"	3'-0"	#4	18"	108	391.76	2.532	275	2.29
	6'	180	9 ¾"	9"	9"	7'-8 ½"	33'-0"	#4	11"	32'-8"	#6	11"	33'-8"	#6	11"	20'-0"	#6	9"	5'-2"	#6	9"	6'-8"	#6	9"	7'-0"	#4	12"	6'-2"	#4	12"	3'-0"	#4	12"	6'-2"	#4	12"	3'-0"	#4	18"	116	413.14	2.755	275	2.29
	8'	240	9 ¾"	9"	9"	9'-8 ½"	33'-0"	#4	11"	32'-8"	#6	11"	33'-8"	#6	11"	20'-0"	#6	9"	5'-2"	#6	9"	8'-8"	#6	9"	7'-0"	#4	12"	8'-2"	#4	12"	3'-0"	#4	12"	8'-2"	#4	12"	3'-0"	#4	18"	124	434.50	2.977	275	2.29
	10'	300	9 ¾"	10"	10"	11'-8 ½"	33'-4"	#4	11"	33'-0"	#6	11"	34'-0"	#6	11"	20'-0"	#6	9"	5'-2"	#6	9"	10'-8"	#6	9"	7'-0"	#4	12"	10'-2"	#4	12"	3'-0"	#4	12"	10'-2"	#4	12"	3'-0"	#4	18"	140	462.79	3.344	275	2.31
	12'	360	9 ¾"	11"	11"	13'-8 ½"	33'-8"	#4	11"	33'-4"	#6	11"	34'-4"	#6	11"	20'-0"	#6	8"	5'-2"	#6	8"	12'-8"	#6	8"	7'-0"	#4	12"	12'-2"	#4	12"	3'-0"	#4	12"	12'-2"	#4	12"	3'-0"	#4	18"	148	498.18	3.760	275	2.34
12'	4'	144	11 ½"	9"	9"	6'-0"	39'-0"	#4	12"	38'-8"	#6	12"	39'-11"	#7	12"	23'-0"	#7	8"	5'-10"	#7	8"	4'-10"	#7	8"	8'-0"	#4	12"	4'-4"	#4	12"	3'-6"	#4	12"	4'-4"	#4	12"	3'-6"	#4	18"	120	491.60	3.333	325	2.71
	6'	216	11 ½"	9"	9"	8'-0"	39'-0"	#4	12"	38'-8"	#6	12"	39'-11"	#7	12"	23'-0"	#7	8"	5'-10"	#7	8"	6'-10"	#7	8"	8'-0"	#4	12"	6'-4"	#4	12"	3'-6"	#4	12"	6'-4"	#4	12"	3'-6"	#4	18"	128	517.23	3.556	325	2.71
	8'	288	11 ½"	9"	9"	10'-0"	39'-0"	#4	12"	38'-8"	#6	12"	39'-11"	#7	12"	23'-0"	#7	8"	5'-10"	#7	8"	8'-10"	#7	8"	8'-0"	#4	12"	8'-4"	#4	12"	3'-6"	#4	12"	8'-4"	#4	12"	3'-6"	#4	18"	136	542.85	3.778	325	2.71
	10'	360	11 ½"	10"	10"	12'-0"	39'-4"	#4	12"	39'-0"	#6	12"	40'-3"	#7	12"	23'-0"	#7	8"	5'-10"	#7	8"	10'-10"	#7	8"	8'-0"	#4	12"	10'-4"	#4	12"	3'-6"	#4	12"	10'-4"	#4	12"	3'-6"	#4	18"	152	575.27	4.148	325	2.73
	12'	432	11 ½"	11"	11"	14'-0"	39'-8"	#4	12"	39'-4"	#6	12"	40'-7"	#7	12"	23'-0"	#7	8"	5'-10"	#7	8"	12'-10"	#7	8"	8'-0"	#4	12"	12'-4"	#4	12"	3'-6"	#4	12"	12'-4"	#4	12"	3'-6"	#4	18"	160	602.34	4.568	325	2.75
	14'	504	11 ½"	12"	12"	16'-0"	40'-0"	#4	10"	39'-8"	#6	10"	40'-11"	#6	10"	23'-0"	#7	8"	5'-10"	#7	8"	14'-10"	#7	8"	8'-0"	#4	12"	14'-4"	#4	12"	3'-6"	#4	12"	14'-4"	#4	12"	3'-6"	#4	18"	168	653.47	5.037	325	2.78

CITY OF CHICKASHA
COMMUNITY PLANNING & DEVELOPMENT

STD. RFCB-3C-B

APPROVED BY: _____ DATE _____	DRAWN:	DATE:	DWG.NO. D-303