













		Co	ontd		
• Esti	mating R	leinforcin	g steel	(use followir	ng table
and	table 10.	6 in text l	book)		
			,		
	Bar	Bar Diameter	Weight	Minimum Overlap	
	Number	(in)	(lb/LF)	Recommended	
			0.167	11 07	
	2	1/4	0.167	1' - 0"	
		3/8	0.370	1 0.	
		1/2	0.668	1' - 0"	
	4	1/2	0.668	1' - 0"	
	4 5 6	1/2 5/8 3/4	0.668	1' - 0" 1' - 3"	
	4 5 6 7	1/2 5/8 3/4 7/8	0.668 1.043 1.502 2.044	1' - 0" 1' - 3" 1' - 6" 1' - 9"	
	3 4 5 6 7 8	1/2 5/8 3/4 7/8	0.668 1.043 1.502 2.044 2.670	1' - 0" 1' - 3" 1' - 6" 1' - 9" 2' - 0"	
	3 4 5 6 7 8 9	1/2 5/8 3/4 7/8 1.0 1.128	0.668 1.043 1.502 2.044 2.670 3.400	1' - 0" 1' - 3" 1' - 6" 1' - 9" 2' - 0" 2' - 4"	
	3 4 5 6 7 8 9	1/2 5/8 3/4 7/8 1.0 1.128 1.270	0.668 1.043 1.502 2.044 2.670 3.400 4.303	1' - 0" 1' - 3" 1' - 6" 1' - 9" 2' - 0" 2' - 4" 2' - 7"	







	Filling Rate (Feet/Hr)							
		50	60	70	80	90	100	
	1	330	300	279	262	250	240	
	2	510	450	409	375	350	330	
	3	690	600	536	487	450	420	
	4	870	750	664	600	550	510	
	5	1,050	900	793	712	650	600	
	6	1,230	1,050	921	825	750	690	
	7	1,410	1,200	1,050	933	850	780	
	8	1,466	1,246	1,090	972	877	808	
	9	1,522	1,293	1,130	1,007	912	836	
	10	1,578	1,340	1,170	1,042	943	864	
Maximu for cond	um pressu crete weig	re exei hing 1	rted or 501b/0	n form CF	ıs by f	resh c	oncret	e in lb/SF
Pressure	e exerted b	oy alt.	Conc	= (P)(Wa)/1	150		
D. Duese	are exerte	d by 1	501b/	CF co	nc.			

		Maximum Concrete Pressure (lb/SF)								
X-11-1		350	450	550	650	750	850	950	1250	
	Maximum Spacing of Studs for Safe Value of Sheathing(in)									
	1" sheathing	26	23	21	19	18	17	15	14	
	2" sheathing	45	40	36	33	31	29	28	24	
	Maximum Spacing of Wales	for Safe	e Value	of Stud	s (in)					
	2x4 studs, 1" sheathing	29	27	26	25	24	23	23	21	
	4x4 studs, 1" sheathing	45	42	40	38	37	35	35	33	
	2x6 studs, 2" sheathing	35	33	31	30	29	27	27	25	
	3x6 studs, 2" sheathing	45	43	41	39	37	36	35	33	
	Maximum Spacing of Ties fo	r Safe V	alue of	Wales	(in)					
	Double 2x4 wale, 2 x 4 stud	39	36	33	31	29	28	27	24	
	Double 2x4 wale, 4 x 4 stud	34	31	29	27	26	24	24	21	
	Double 2x6 wale, 2 x 6 stud	49	45	41	39	37	35	34	31	
	Double 2x6 wale, 3 x 6 stud	50	45	41	38	37	35	34	31	









