CALC. BY RLB DATE 4/90	LAK – 306 – 7.12	OHIO
CHKD. BY RC DATE 4/90		FHWA REGION 5

320
452

JUNCTION CHAMBER DETAILS

REINFORCING STEEL BAR SCHEDULE

BOTTOM SLAB

MARK	NO. REQUIRED		TOTAL	LENGTH	TYPE	A	B	C	D	H	WEIGHT (LBS)
B501			56	8'–6"	STR						496
B502			18	36'–5"	STR						684
B503			24	11'–9"	16	3'–4"	7¾"	3'–9½"	7¾"		294
B504			12	11'–9"	STR						147
B505			203	3'–7"	5	2'–10"	10"				758
B506			6	2'–2"	5	1'–5"	10"				14
B507			6	3'–0"	5	2'–3"	10"				19
B601			48	8'–6"	STR						613
B602			4	5'–8"	STR						34
B603			4	7'–1"	STR						43
B604			98	4'–1"	5	3'–3"	12"				601
B605			6	2'–3"	5	1'–5"	12"				20

TOTAL FOR BOTTOM SLAB 3723 LBS.

TOP SLABS

MARK	NO. REQUIRED		TOTAL	LENGTH	TYPE	A	B	C	D	H	WEIGHT (LBS)
T501			24	7'–8"	STR						192
T502			8	0'–8"	STR						6
T503			8	1'–3"	STR						10
T504			4	15'–5"	48	9'–3"	6'–2"			4 1/16"	64
T505			2	10'–5"	48	4'–3"	6'–2"			4 1/16"	22
T506			2	11'–0"	48	4'–10"	6'–2"			4 1/16"	23
T507			4	15'–3"	48	9'–2"	6'–1"			4 1/16"	64
T508			2	10'–3"	48	4'–2"	6'–1"			4 1/16"	21
T509			2	10'–10"	48	4'–9"	6'–1"			4 1/16"	23
T510			4	17'–5"	48	13'–2"	4'–3"			5 13/16"	73
T511			2	12'–6"	48	8'–3"	4'–3"			5 13/16"	26
T512			2	13'–0"	48	8'–9"	4'–3"			5 13/16"	27
T513			4	17'–3"	48	13'–1"	4'–2"			5 13/16"	72
T514			2	12'–4"	48	8'–2"	4'–2"			5 13/16"	26
T515			2	12'–10"	48	8'–8"	4'–2"			5 13/16"	27
T601			30	7'–8"	STR						346
T602			8	7'–5"	STR						89
T603			8	5'–1"	STR						61

TOTAL FOR TOP SLABS 1172 LBS.

WALLS

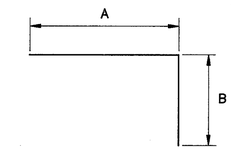
MARK	NO. REQUIRED		TOTAL	LENGTH	TYPE	A	B	C	D	H	WEIGHT (LBS)
W501			16	7'–8"	STR						128
W502			39	8'–4"	STR						339
W503			16	9'–1"	6	7'–8"	10"	10"			152
W504			11	4'–1"	5	2'–1"	2'–1"				47
W505			3	4'–8"	5	2'–8"	2'–1"				15
W506			3	4'–0"	5	2'–0"	2'–1"				13
W507			6	3'–7"	5	1'–7½"	2'–1"				22
W508			3	3'–10"	5	1'–10"	2'–1"				12
W509			3	4'–5"	5	2'–5"	2'–1"				14
W510			3	5'–7"	5	3'–7"	2'–1"				17
W511			3	3'–5"	5	2'–8"	10"				11
W512			3	2'–9"	5	2'–0"	10"				9
W513			6	2'–4"	5	1'–7½"	10"				15
W514			3	2'–7"	5	1'–10"	10"				8
W515			3	3'–2"	5	2'–5"	10"				10
W516			3	4'–4"	5	3'–7"	10"				14
W517			3	9'–10"	5	9'–1½"	10"				31
W518			2	9'–1"	STR						19
W519			6	3'–0"	STR						19
W520			6	2'–1"	STR						13
W521			6	1'–8"	STR						10
W522			3	1'–6"	STR						5
W523	2 SERIES OF 13			4'–2" 8'–2"	STR	VARY BY 4"					167
W524				3'–10"	STR						88
W525	2 SERIES OF 9			4'–3" 8'–2"	STR	VARY BY 5⅞"					117
W526			1	13'–3"	STR						14
W527			1	14'–0"	5	13'–3"	10"				15
W528			4	5'–2"	STR						22
W529			4	6'–11"	STR						29
W530			4	9'–4"	STR						39
W531			4	12'–0"	STR						50
W532			2	36'–6"	STR						76
W533			2	37'–2"	STR						78
W534			2	38'–6"	STR						80
W535			1	15'–3"	STR						16
W536			1	16'–0"	5	15'–3"	10"				17
W537			1	17'–4"	STR						18
W538			1	18'–1"	5	19'–5"	10"				19
W539			1	19'–5"	STR						20
W540			1	20'–2"	5	21'–4"	10"				21
W541			1	21'–6"	STR						22
W542			1	22'–3"	5	21'–6"	10"				23
W543			1	8'–1"	STR						8
W544			1	8'–10"	5	8'–1"	10"				9
W545			1	8'–10"	STR						9
W546			1	9'–7"	5	8'–10"	10"				10
W547			8	40'–0"	STR						334
W548			2	8'–0"	STR						17
W549			2	10'–10"	STR						23
W550			2	12'–4"	STR						26
W551			2	12'–3"	STR						26
W552			6	14'–4"	42	2'–1"	10'–1½"	2'–1"	4 1/16"	5 13/16"	90
W553			6	13'–10"	STR						87
W554			6	10'–1"	STR						63

WALLS

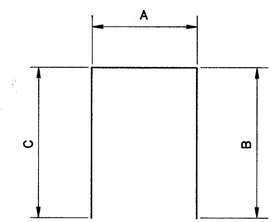
MARK	NO. REQUIRED		TOTAL	LENGTH	TYPE	A	B	C	D	H	WEIGHT (LBS)
W601			35	8'–4"	STR						438
W602			6	3'–0"	STR						27
W603			6	2'–1"	STR						19
W604			6	1'–8"	STR						15
W605			3	1'–6"	STR						7
W606	2 SERIES OF 13			4'–2" 8'–2"	STR		VARY BY 4"				241
W607			22	3'–10"	STR						127
W608	2 SERIES OF 9			4'–3" 8'–2"	STR		VARY BY 5⅞"				168
W609			6	7'–8"	STR						69
W610			6	9'–6"	STR						86
W611			6	4'–4"	STR						39
W612			6	6'–3"	STR						56
W613			66	6'–2"	5	3'–2"	3'–2"				612

TOTAL FOR WALLS 4460 LBS.

TOTAL FOR STRUCTURE 9355 LBS.



TYPE 5



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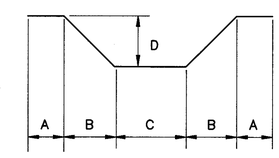

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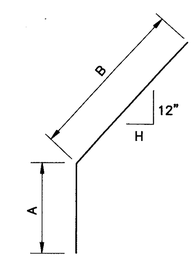
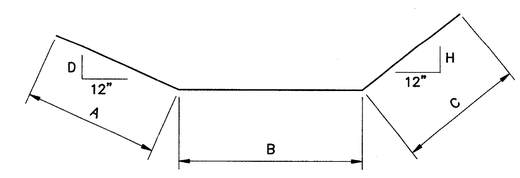


TYPE 48



TYPE 42

LAK – 306 – 7.12