BIM 360://22808.001_Marriott Sawgrass Cabana Club_2019/05_MARRIOTT_CABANA_CLUB_2019.rvt

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SLAB/SLAB-ON-GRADE REINFORCEMENT LAP SPLICE LENGTH SCHEDULE (INCHES)

SEE NOTE 5

BAR SIZE	MINIMUM BAR SPACING (INCHES)	TENSION (LTS)			
		f'c = 3 KSI	f'c = 4 KSI	f'c = 5 KSI	f'c = 6 KSI
#4	5.500	22	19	17	16
#5	5.375	32	28	25	23
#6	5.250	43	37	34	31
#7	5.125	69	60	54	49
#8	5.000	86	74	[illegible]	61

GRADE BEAM/BEAM REINFORCEMENT LAP SPLICE LENGTH SCHEDULE (INCHES)

SEE NOTE 5

BAR SIZE	MINIMUM BAR SPACING (INCHES)	f'c = 4 KSI		f'c = 5 KSI		f'c = 6 KSI	
		TOP BARS	OTHER	TOP BARS	OTHER	TOP BARS	OTHER
#4	1.500	[illegible]	29	29	23	27	21
#5	[illegible]25	41	31	36	28	33	26
#6	1.750	49	37	44	34	40	31
#7	1.875	71	54	63	49	58	45
#8	2.000	91	62	72	56	66	51
#9	2.250	91	70	81	63	74	57
#10	2.625	102	79	92	71	84	64
#11	2.875	114	87	102	78	93	71

COLUMN REINFORCEMENT LAP SPLICE LENGTH SCHEDULE (INCHES)

SEE NOTE 5

BAR SIZE	MINIMUM BAR SPACING (INCHES)	TENSION (LTS)			COMPRESSION (LCS)
		f'c = 4 KSI	f'c = 5 KSI	f'c = 6 KSI	
#5	2.125	28	25	23	19
#6	2.250	37	34	31	23
#7	2.375	54	49	45	27
#8	2.500	62	56	51	30
#9	2.875	70	63	57	34
#10	3.250	79	71	64	39
#11	3.625	87	78	71	43

CMU LAP SPLICE SHEDULE: SEE TYPICAL MASONRY DETAILS

DEVELOPMENT LENGTH SCHEDULE (INCHES)

SEE NOTE 5

BAR SIZE	MINIMUM BAR SPACING (INCHES) [MAX(1",db) + db] NOTE 2	TENSION								COMPRESSION			
		NOTED AS Ld ON DRAWINGS				NOTED AS Ldh ON DRAWINGS				NOTED AS Ldc ON DRAWINGS			
		f'c (PSI)				f'c (PSI)				f'c (PSI)			
		3000	4000	5000	6000	3000	4000	5000	6000	3000	4000	5000	6000
#4	1.500	22	19	17	16	11	10	9	8	11	10	9	9
#5	1.625	28	24	22	20	14	12	11	10	14	12	12	12
#6	1.750	33	29	26	24	17	15	13	12	17	15	14	14
#7	1.875	48	42	38	34	20	17	15	14	20	17	16	16
#8	2.000	55	48	43	39	22	19	17	16	22	19	18	18
#9	2.375	62	54	48	44	25	22	20	18	25	22	21	21
#10	2.625	70	61	54	50	28	25	22	20	28	25	23	23
#11	2.875	78	67	60	55	31	27	24	22	31	27	26	26

DEVELOPMENT LENGTH SCHEDULE NOTES:

1. WHERE MORE THAN 12 INCHES OF FRESH CONCRETE IS CAST BELOW THE DEVELOPMENT LENGTH, MULTIPLY Ld BY 1.3.
2. WHERE STIRRUPS OR TIES ARE NOT PRESENT THROUGHOUT Ld, MINIMUM BAR SPACING MUST BE INCREASED TO [MAX(1", db) + 2db] FOR SCHEDULED VALUES TO BE APPLICABLE.

1 LAP SPLICE SCHEDULES

NOT TO SCALE

R SPLICE NOTES:

1. TABULATED VALUES ARE PER ACI 318-14 REQUIREMENTS FOR NORMALWEIGHT CONCRETE THE VALUES ON THIS SHEET DO NOT APPLY TO LIGHTWEIGHT CONCRETE
2. SEE TYPICAL DETAILS FOR CLEAR COVER
3. MINIMUM BAR SPACING DIAGRAM - "S"

FIRST BAR
SECOND BAR PLACED OR SPLICE BAR

4. WHERE ACTUAL CONDITIONS DIFFER FROM THE CLEAR COVER SHOWN ON THE TYPICAL DETAILS OR DIFFER FROM PROVIDED SCHEDULED BAR SIZE, MINIMUM SPACING AND/OR f'c, LENGTHS SHALL BE ADJUSTED ONLY WITH THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD.
5. TABULATED VALUES ARE FOR NON-EPOXY COATED GRADE 60 REINFORCEMENT IN NORMALWEIGHT CONCRETE
6. WHERE BARS OF DIFFERENT SIZES ARE LAP SPLICED IN TENSION, THE TENSION LAP SPLICE LENGTH (LTS) SHALL BE THE LARGER OF THE TENSION DEVELOPMENT LENGTH (Ld) OF THE LARGER BAR AND THE TENSION LAP SPLICE LENGTH OF THE SMALLER BAR
7. WHERE BARS OF DIFFERENT SIZES ARE LAP SPLICED IN COMPRESSION, THE COMPRESSION LAP LENGTH (LCS) SHALL BE THE LARGER OF THE COMPRESSION DEVELOPMENT LENGTH (Ldc) OF THE LARGER BAR OR THE COMPRESSION LAP SPLICE LENGTH OF THE SMALLER BAR.
8. "TOP BARS" ARE DEFINED AS HORIZONTAL REINFORCEMENT PLACED SUCH THAT MORE THAN 12 INCHES OF FRESH CONCRETE IS CAST BELOW THE DEVELOPMENT LENGTH OR SPLICE "OTHER BARS" ARE ALL BARS FOR WHICH THIS DOES NOT APPLY

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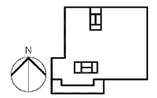

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SHEET TITLE
LAP SPLICE SCHEDULES

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