

SPLICE AND EMBEDMENT SCHEDULE - 3,000 PSI OR GREATER REGULAR WEIGHT CONCRETE & GRADE 60 REBAR																	
BAR#	TYPE 1 - 1" MIN COVER & 2" MIN. CLEAR SPACING				TYPE 2 - 1.5" MIN COVER & 3" MIN. CLEAR SPACING				TYPE 3 - 2" MIN COVER & 4" MIN. CLEAR SPACING				TYPE 4 - 2" MIN COVER & 4" MIN. CLEAR SPACING & WITHIN TIES OR STIRRUPS @ 6" MAX				BAR#
	CLASS B SPLICE		EMBEDMENT		CLASS B SPLICE		EMBEDMENT		CLASS B SPLICE		EMBEDMENT		CLASS B SPLICE		EMBEDMENT		
	HORIZ	VERT	HORIZ	VERT	HORIZ	VERT	HORIZ	VERT	HORIZ	VERT	HORIZ	VERT	HORIZ	VERT	HORIZ	VERT	
3	17	13	13	12													3
4	22	17	17	13													4
5	33	25	25	20	28	21	21	16									5
6	45	35	35	27	33	26	26	20									6
7	74	57	57	44	55	42	42	32	49	37	37	29					7
8	93	71	71	55	69	53	53	41	56	43	43	33					8
9	113	87	87	67	86	66	66	51	69	53	53	41	63	48	48	37	9
10	137	105	105	81	105	81	81	62	85	65	65	50	71	54	54	42	10
11	162	125	125	96	125	96	96	74	102	78	78	60	82	63	63	48	11
14	NA	NA	166	128	NA	NA	130	100	NA	NA	108	83	NA	NA	87	67	14

REBAR SPLICE & EMBED NOTES:

- SPLICE AND EMBEDMENT LENGTHS ARE IN INCHES.
- CONCRETE STRENGTH SHALL BE GREATER THAN OR EQUAL TO THAT INDICATED ON SPLICE AND EMBEDMENT SCHEDULE USED. REINFORCING STRENGTH SHALL BE LESS THAN OR EQUAL TO THAT INDICATED ON SCHEDULE.
- USE TYPE 1, 2, 3 OR 4 AS REQUIRED TO MATCH COVER, SPACING AND CONFINEMENT REQUIREMENTS INDICATED. WHEN NO VALUES ARE LISTED FOR A TYPE/BAR SIZE COMBINATION, THE REQUIRED LENGTHS ARE EQUAL TO THE TYPE WITH LOWER COVER/SPACING REQUIREMENTS.
- COVER IS THE DISTANCE FROM OUTER EDGE OF BAR TO NEAREST CONCRETE SURFACE. CLEAR SPACING IS THE DISTANCE FROM OUTER EDGE OF BAR TO OUTER EDGE OF NEAREST PARALLEL BAR.
- TYPE 4 IS FOR COLUMN, BEAM AND TIE/DRAW REINFORCING THAT IS CONFINED BY #4 OR LARGER TIES OR STIRRUPS AT 6 INCHES OR LESS ON CENTER. THERE SHALL BE AT LEAST ONE LEG OF TIE OR STIRRUP FOR EVERY OTHER PAIR OF BARS BEING SPLICED.
- SCHEDULES LIST CLASS "B" SPLICE LENGTHS AND SHALL BE USED FOR ALL SPLICES EXCEPT AS NOTED OR APPROVED.
- CLASS "A" SPLICE LENGTHS ARE EQUAL TO THE EMBEDMENT LENGTHS LISTED IN THE SCHEDULE. CLASS "A" SPLICE LENGTHS MAY BE USED: a) AT SLAB ON GRADE (EXCEPT AT BUILDING 7) REINFORCING WHERE NO MORE THAN ONE HALF OF THE BARS ARE LAP SPLICED WITHIN A REQUIRED LAP LENGTH AND b) WHERE SPECIFICALLY NOTED ON PLANS.
- HORIZONTAL BARS WITH NO MORE THAN 12" CONCRETE PLACED BELOW BARS DURING A POUR MAY BE EMBEDDED AND SPLICED USING LENGTHS SPECIFIED FOR VERTICAL BARS. NOTE: THIS INCLUDES MOST SLAB BARS AND THE BOTTOM BARS OF MOST BEAMS.
- WHERE REQUIRED EMBEDMENT CANNOT BE OBTAINED WITH STRAIGHT BARS EXTEND REINFORCING AS FAR AS POSSIBLE AND PROVIDE STANDARD HOOK.
- REINFORCING WITH 3/4" COVER - IF TABLES FOR 3/4" COVER ARE NOT PROVIDED, USE 1.25 TIMES THE LENGTHS SPECIFIED FOR 1" COVER. LT. WT. CONCRETE - IF TABLES FOR LT. WT. CONCRETE ARE NOT PROVIDED, USE 1.3 TIMES THE LENGTHS SPECIFIED FOR REG. WT. CONCRETE. (INCREASES ARE CUMULATIVE - FOR 3/4" COVER & LT. WT. CONCRETE USE 1.63 TIMES THE LENGTH FOR 1" REG. WT. CONCRETE)
- LAP SPLICE FOR MASONRY SHALL BE PER 24/S0.12 a) PLACE BARS IN CONTACT AND WIRE TOGETHER OR b) MAINTAIN CLEAR SPACE BETWEEN BARS: BEAMS - 1db OR 1" MIN., COLUMNS - 1.5db OR 1-1/2" MIN. IF AUTHORIZED BY ENGINEER A MAX CLEAR SPACE OF 0.2 x LAP SPLICE LENGTH (6" MAX) MAY BE USED

