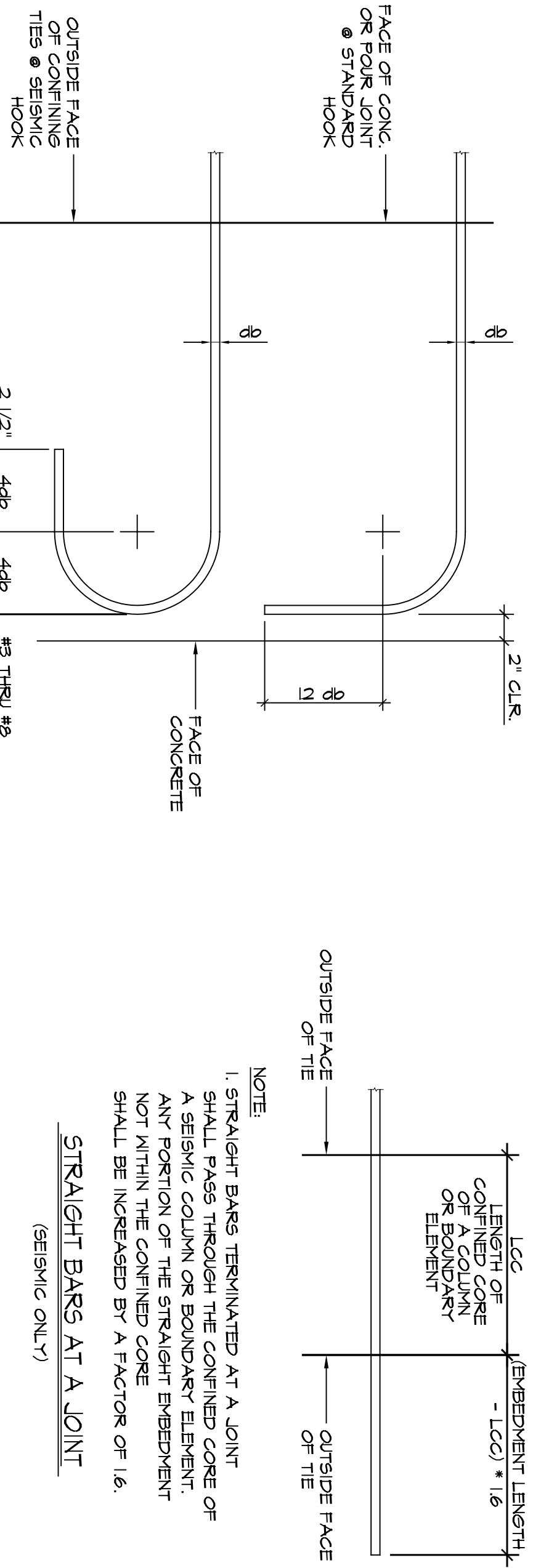




No.	REVISION	DATE

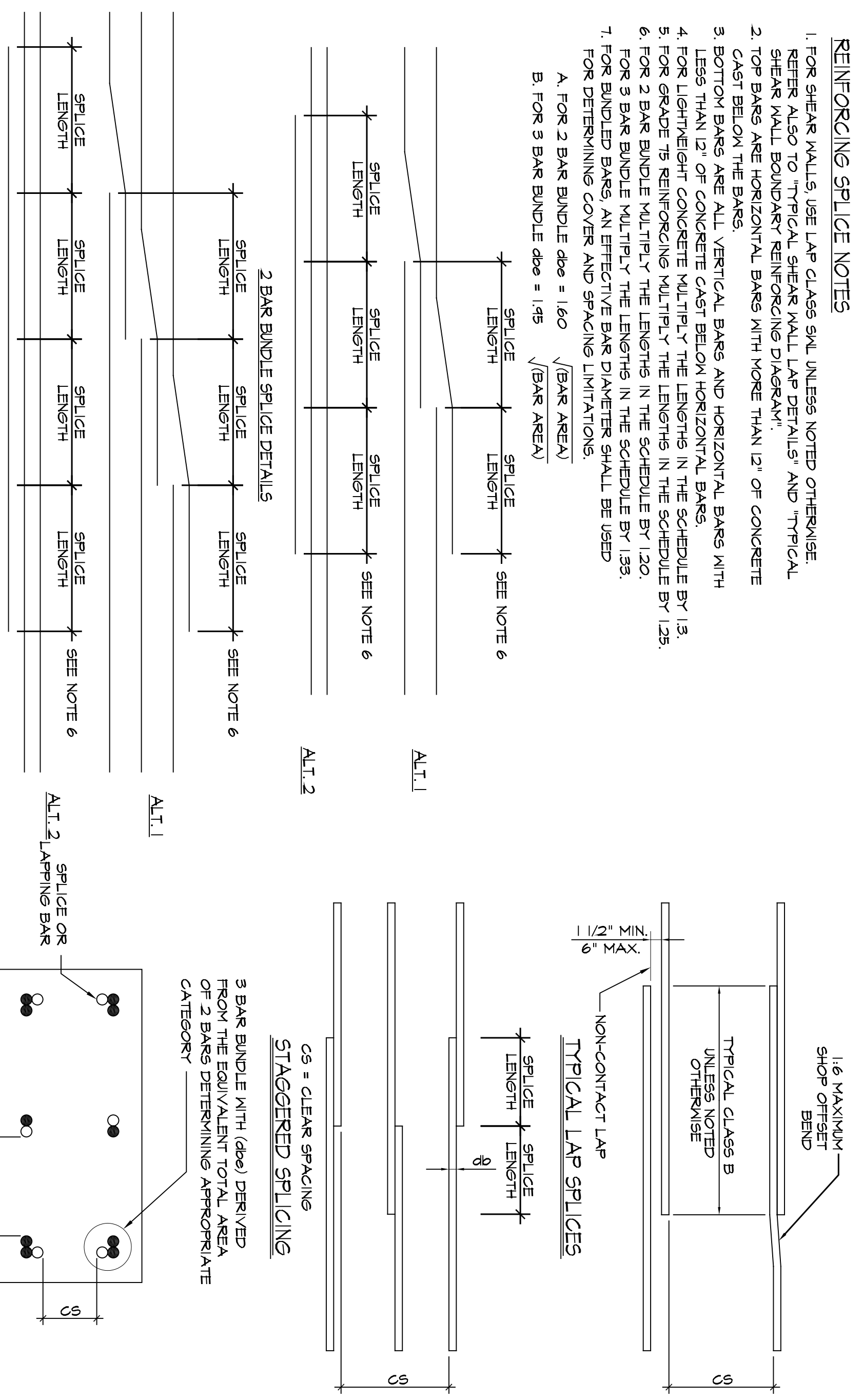


**REINFORCING EMBEDMENT NOTES**

1. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12" OF CONCRETE CAST BELOW THE BARS.
2. WITH LESS THAN 12" OF CONCRETE CAST BELOW HORIZONTAL BARS, 3. FOR LIGHTWEIGHT CONCRETE MULTIPLY THE LENGTHS IN THE SCHEDULE BY 1.3.
4. FOR GRADE 75 REINFORCING MULTIPLY THE LENGTHS IN THE SCHEDULE BY 1.25.
5. FOR 3 BAR BUNDLE MULTIPLY THE LENGTHS IN THE SCHEDULE BY 1.20.
6. FOR 4 BAR BUNDLE MULTIPLY THE LENGTHS IN THE SCHEDULE BY 1.20.
7. FOR 5 BAR BUNDLE MULTIPLY THE LENGTHS IN THE SCHEDULE BY 1.20.
8. FOR DETERMINING COVER AND SPACING LIMITATIONS.
9. A. FOR 2 BAR BUNDLE  $d_{eq} = 1.6d$  (BAR AREA).
10. B. FOR 3 BAR BUNDLE  $d_{eq} = 1.9d$  (BAR AREA).
11. C. FOR 4 BAR BUNDLE  $d_{eq} = 2.26d$  (BAR AREA).

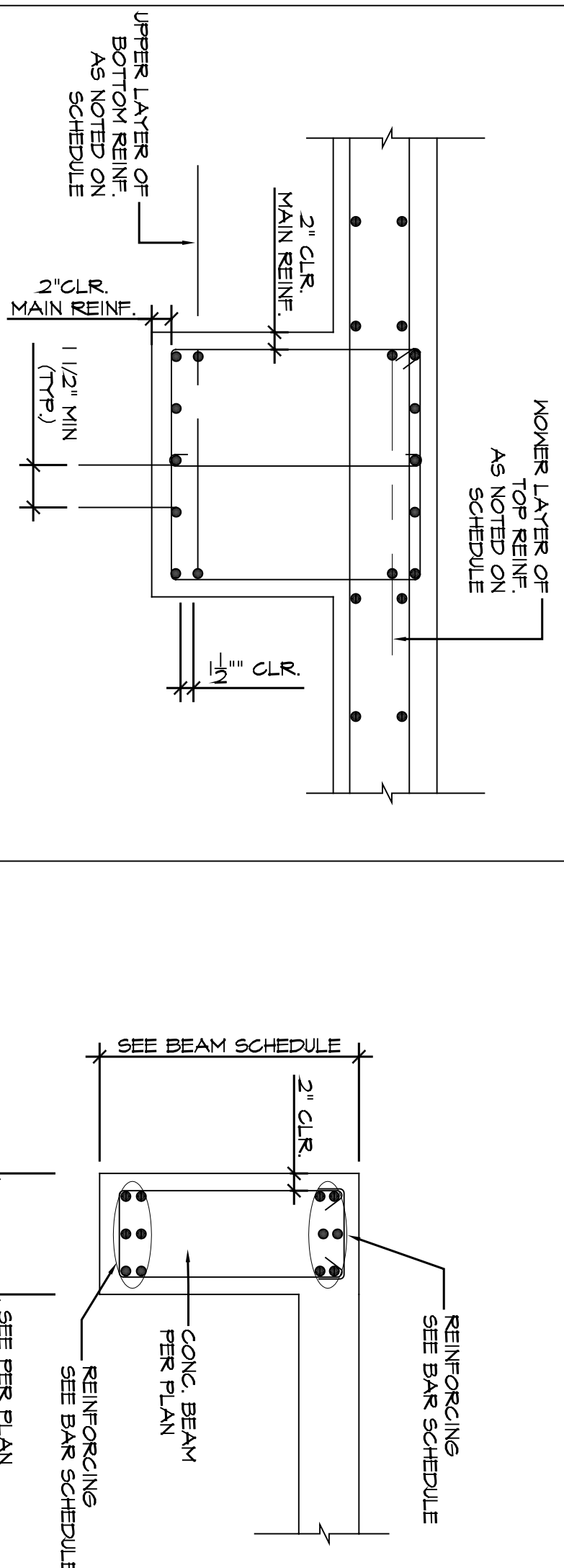
BAR CATEGORY	DESCRIPTION	EMBEDMENT		STRAIGHT TENSION		EMBEDMENT		OTHERS		SEISMIC	
		TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT
1	COVER CONCRETE SPACING $\geq 4d$	16	12	18	14	22	20	20	38	29	43
2	OTHERS	16	12	16	12	19	15	23	18	33	25
3	COVER CONCRETE SPACING $\geq 4d$	16	12	16	12	17	13	20	16	29	23
4	OTHERS	16	12	16	12	17	13	20	16	29	23
5	COVER CONCRETE SPACING $\geq 4d$	16	12	16	12	22	22	26	28	34	33
6	OTHERS	16	12	16	12	22	22	26	28	34	33
7	COVER CONCRETE SPACING $\geq 4d$	16	12	16	12	22	22	26	28	34	33
8	OTHERS	16	12	16	12	22	22	26	28	34	33
9	COVER CONCRETE SPACING $\geq 4d$	16	12	16	12	22	22	26	28	34	33
10	OTHERS	16	12	16	12	22	22	26	28	34	33
11	COVER CONCRETE SPACING $\geq 4d$	16	12	16	12	22	22	26	28	34	33
	OTHERS	16	12	16	12	22	22	26	28	34	33

**TYPICAL STRAIGHT AND HOOKED EMBEDMENT LENGTH SCHEDULE**

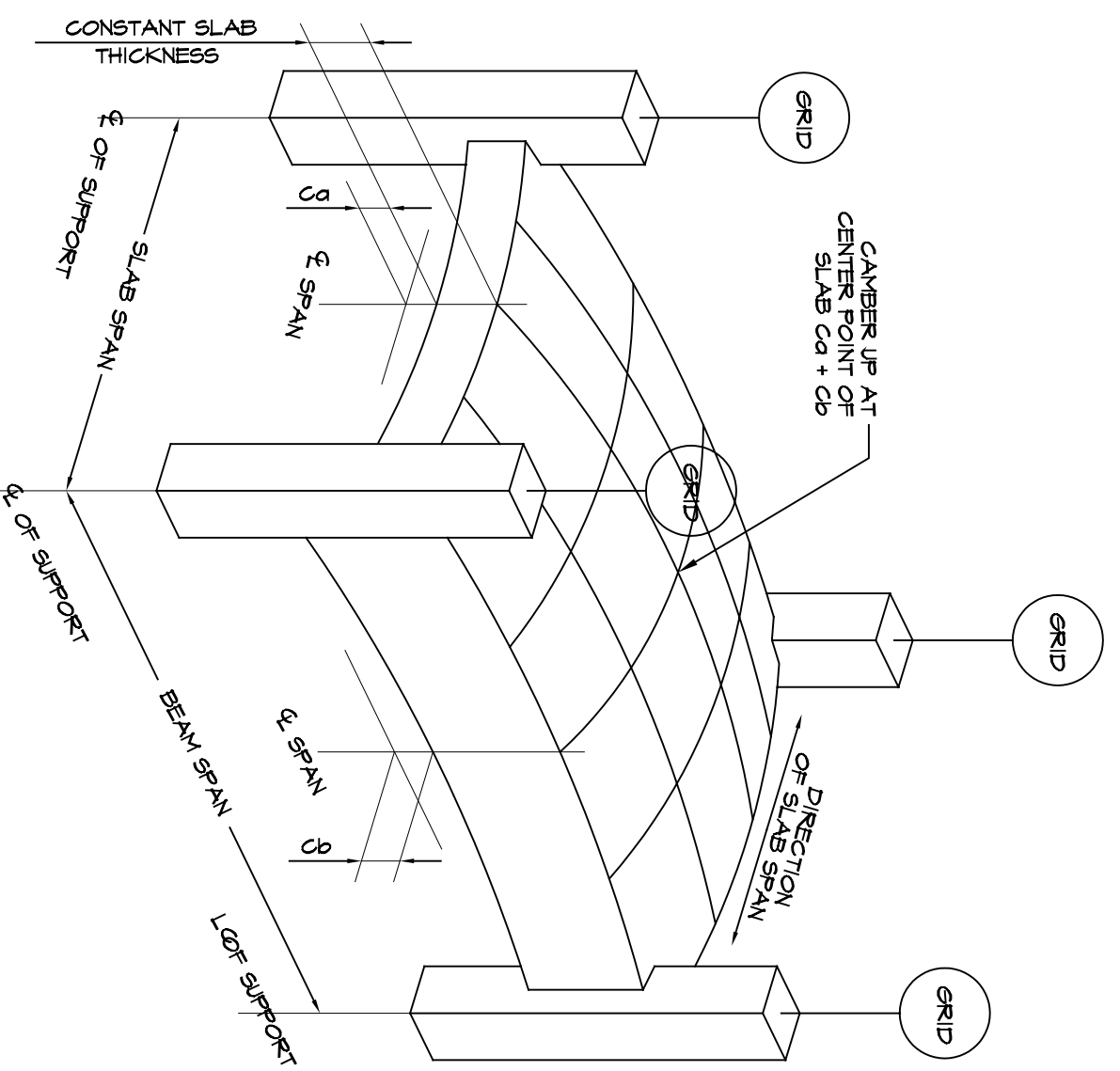


**TYPICAL REINFORCING GRADE 60 SPLICE SCHEDULE**

BAR CATEGORY	DESCRIPTION	EMBEDMENT		STRAIGHT TENSION		EMBEDMENT		OTHERS		SEISMIC	
		TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT
1	COVER CONCRETE SPACING $\geq 4d$	16	12	18	14	22	20	20	38	29	43
2	OTHERS	16	12	16	12	19	15	23	18	33	25
3	COVER CONCRETE SPACING $\geq 4d$	16	12	16	12	17	13	20	16	29	23
4	OTHERS	16	12	16	12	17	13	20	16	29	23
5	COVER CONCRETE SPACING $\geq 4d$	16	12	16	12	22	22	26	28	34	33
6	OTHERS	16	12	16	12	22	22	26	28	34	33
7	COVER CONCRETE SPACING $\geq 4d$	16	12	16	12	22	22	26	28	34	33
8	OTHERS	16	12	16	12	22	22	26	28	34	33
9	COVER CONCRETE SPACING $\geq 4d$	16	12	16	12	22	22	26	28	34	33
10	OTHERS	16	12	16	12	22	22	26	28	34	33
11	COVER CONCRETE SPACING $\geq 4d$	16	12	16	12	22	22	26	28	34	33
	OTHERS	16	12	16	12	22	22	26	28	34	33

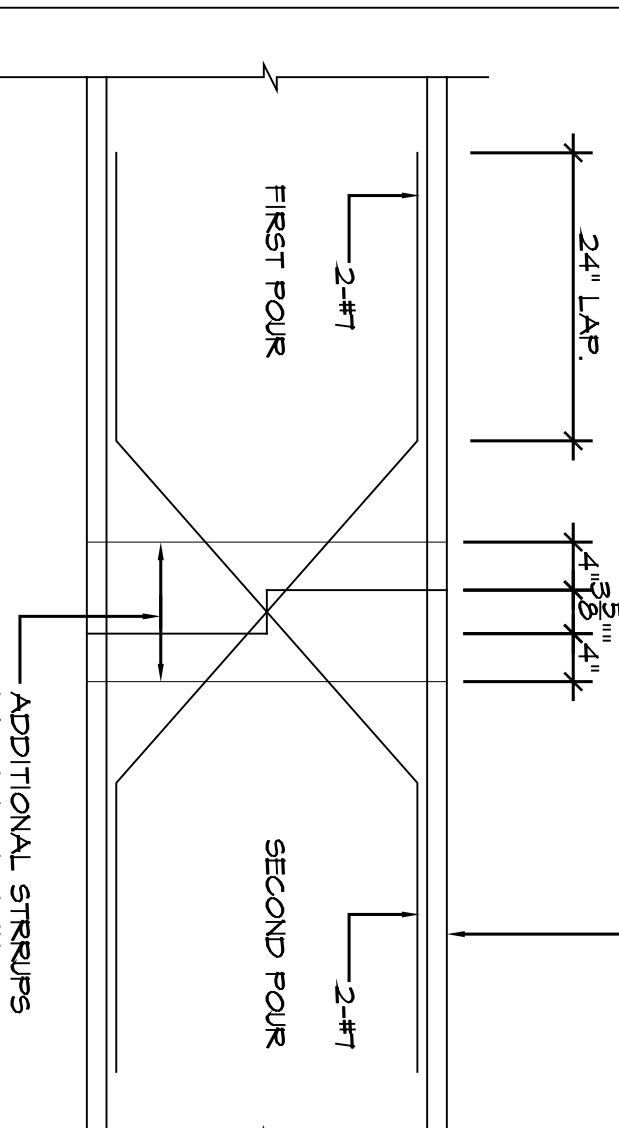


**TYPICAL BEAM SECTION**



**TYPICAL CONC. SLAB AND BEAM CAMBERS**

**TYPICAL BEAM CONSTRUCTION JOINT**



**SINGLE CURTAIN**

