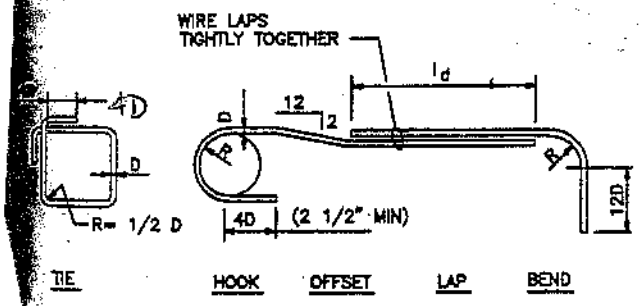
COMPRESSION LAP SPLICE LENGTH (COLUMNS ONLY)= 30D




TIE HOOK OFFSET LAP BEND

INSIDE R: 3D FOR #3 THRU #8
4D FOR #9 THRU #11

| TENSION LAP SPLICE SCHEDULE – ALL SPLICES CLASS B | | | |
|---|---|---|---|
| BAR SIZE | $l_d$ * | SPLICE LENGTHS | |
| | | TOP BARS | OTHER BARS |
| #3 | 12" | 21" | 16" |
| #4 | 12" | 21" | 16" |
| #5 | 12" | 21" | 16" |
| #6 | 17" | 29" | 22" |
| #7 | 23" | 39" | 30" |
| #8 | 30" | 51" | 39" |
| #9 | 38" | 65" | 50" |
| #10 | 49" | 82" | 63" |
| #11 | 60" | 101" | 78" |

* $l_d$ = BAR DEVELOPMENT LENGTH FOR:

1. $f_y$ = 60 ksi; $F'_c$ = 4000 psi
2. CLEAR SPACING BETWEEN BARS > 3D
3. CONCRETE COVER ≥ 2D
4. VALUES OF $l_d$* AND CORRESPONDING SPLICE LENGTHS SHALL BE 1.4 TIMES THE TABULATED VALUE WHEN CLEAR SPACING BETWEEN BARS IS LESS THAN 3D, AND 2 TIMES THE TABULATED VALUE WHEN THE CLEAR SPACING BETWEEN BARS IS 2D
5. CONFORMANCE WITH ACI 12.2.3.1, WHERE APPLICABLE

## TYPICAL REINFORCING BAR DETAIL

DETAIL 17