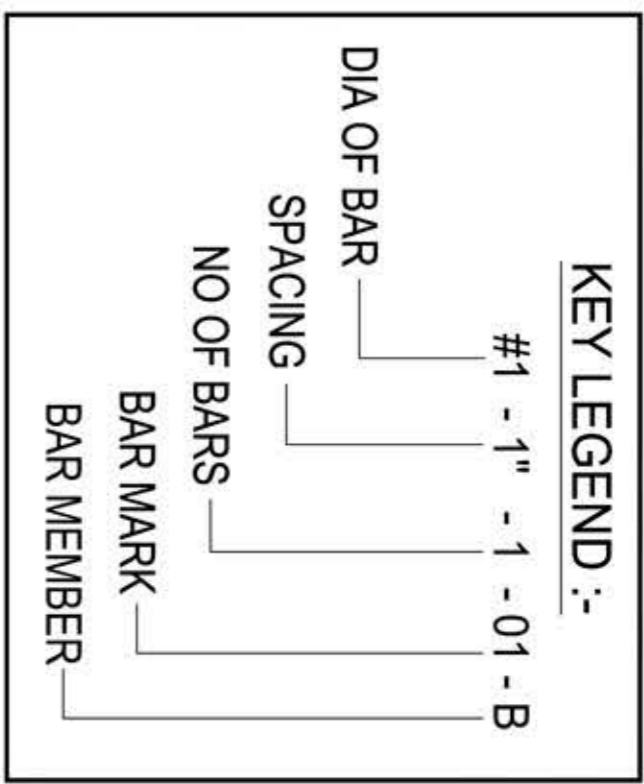


|                  |  |
|------------------|--|
| CLIENT :-        | MJ ENGINEERING & DESIGN  |
| PROJECT :-       | 42-31 UNION STREET   |
| DRAWING TITLE :- | REBAR SHOP DRAWINGS - 5 <sup>th</sup> FL. TO 6 <sup>th</sup> FL. COLUMN REINF. DETAILS |

| Member   | Bar Mark | Bar Size | No. of Mbrs | No. of bars in each | TOTAL No. of BARS | Shape | Shape code | A      | B      | C      | D      | E      | H      | G      | J      | TOTAL LENGTH OF BAR (Ft.) | TOTAL WEIGHT OF BAR (LB) |
|--|----------|----------|-------------|---------------------|-------------------|-------|------------|--------|--------|--------|--------|--------|--------|--------|--------|---------------------------|--------------------------|
|  |          |          |             |                     |                   |       |            | (Inch) | (Inch) | (Inch) | (Inch) | (Inch) | (Inch) | (Inch) | (Inch) | (Inch)                    |                          |
| <b>COLUMN M1, M2, M4, M6</b>                         |          |          |             |                     |                   |       |            |        |        |        |        |        |        |        |        |                           |                          |
| VER  | 101      | # 8      | 4           | 10                  | 40                | A     | STR        | 192    |        |        |        |        |        |        |        | 16.00                     | 1708.80                  |
| TIES   | 102      | # 3      | 4           | 9                   | 36                |       | T1         | 3      | 15     | 25     | 15     | 25     |        | 3      |        | 7.17                      | 97.01                    |
| TIES   | 103      | # 3      | 4           | 9                   | 36                |       | T1         | 3      | 15     | 10.5   | 15     | 10.5   |        | 3      |        | 4.75                      | 64.30                    |
| TIES   | 104      | # 3      | 4           | 9                   | 36                |       | T5         | 3      | 25     |        |        |        |        | 3      | 2      | 2.58                      | 34.97                    |
| <b>COLUMN M3N, M3S</b>                               |          |          |             |                     |                   |       |            |        |        |        |        |        |        |        |        |                           |                          |
| VER  | 105      | # 11     | 2           | 10                  | 20                | A     | STR        | 214    |        |        |        |        |        |        |        | 17.83                     | 1894.97                  |
| TIES   | 106      | # 4      | 2           | 8                   | 16                |       | T1         | 3      | 15     | 21     | 15     | 21     |        | 3      |        | 6.50                      | 69.47                    |
| TIES   | 107      | # 4      | 2           | 8                   | 16                |       | T1         | 3      | 15     | 9      | 15     | 9      |        | 3      |        | 4.50                      | 48.10                    |
| TIES   | 108      | # 4      | 2           | 8                   | 16                |       | T5         | 3      | 21     |        |        |        |        | 3      | 2      | 2.25                      | 24.05                    |
| <b>COLUMN H1</b>                                     |          |          |             |                     |                   |       |            |        |        |        |        |        |        |        |        |                           |                          |
| VER  | 109      | # 8      | 1           | 8                   | 8                 | A     | STR        | 198    |        |        |        |        |        |        |        | 16.50                     | 352.44                   |
| TIES   | 110      | # 3      | 1           | 8                   | 8                 |       | T1         | 3      | 15     | 21     | 15     | 21     |        | 3      |        | 6.50                      | 19.55                    |
| TIES   | 111      | # 3      | 1           | 8                   | 8                 |       | T5         | 3      | 21     |        |        |        |        | 3      | 2      | 2.25                      | 6.77                     |
| TIES   | 112      | # 3      | 1           | 8                   | 8                 |       | T5         | 3      | 15     |        |        |        |        | 3      | 2      | 1.75                      | 5.26                     |
| <b>COLUMN H2,H3,H4,H5,H6A,H7,H13,H14,H15,H16,H19</b> |          |          |             |                     |                   |       |            |        |        |        |        |        |        |        |        |                           |                          |
| VER  | 113      | # 8      | 11          | 8                   | 88                | A     | STR        | 198    |        |        |        |        |        |        |        | 16.50                     | 3876.84                  |
| TIES   | 114      | # 3      | 11          | 8                   | 88                |       | T1         | 3      | 11     | 25     | 11     | 25     |        | 3      |        | 6.50                      | 215.07                   |
| TIES   | 115      | # 3      | 11          | 8                   | 88                |       | T1         | 3      | 11     | 9.5    | 11     | 9.5    |        | 3      |        | 3.92                      | 129.59                   |
| <b>COLUMN H8,H9,H10,H11</b>                          |          |          |             |                     |                   |       |            |        |        |        |        |        |        |        |        |                           |                          |
| VER  | 116      | # 8      | 4           | 8                   | 32                | A     | STR        | 198    |        |        |        |        |        |        |        | 16.50                     | 1409.76                  |
| TIES   | 117      | # 3      | 4           | 8                   | 32                |       | T1         | 3      | 11     | 25     | 11     | 25     |        | 3      |        | 6.50                      | 78.21                    |
| TIES   | 118      | # 3      | 4           | 8                   | 32                |       | T5         | 3      | 11     |        |        |        |        | 3      | 2      | 1.42                      | 17.05                    |
| <b>COLUMN H17</b>                                    |          |          |             |                     |                   |       |            |        |        |        |        |        |        |        |        |                           |                          |
| VER  | 119      | # 8      | 1           | 8                   | 8                 | A     | STR        | 198    |        |        |        |        |        |        |        | 16.50                     | 352.44                   |
| TIES   | 120      | # 3      | 1           | 8                   | 8                 |       | T1         | 3      | 13     | 25     | 13     | 25     |        | 3      |        | 6.83                      | 20.55                    |
| TIES   | 121      | # 3      | 1           | 8                   | 8                 |       | T5         | 3      | 13     |        |        |        |        | 3      | 2      | 1.58                      | 4.76                     |
|  |          |          |             |                     |                   |       |            |        |        |        |        |        |        |        |        | <b>TOTAL WEIGHT</b>       | <b>10429.96</b>          |



**CONSULTANTS:**

|     |      |          |
|-----|------|----------|
| NO. | DATE | REVISION |
|     |      |          |
|     |      |          |
|     |      |          |

DESIGNER: M.Y.  
DRAWN BY: V.P.  
CHECKED BY: M.Y.  
Date: 04/04/2014

CLIENT: 42-31 UNION STREET

PROJECT: 5th FL. TO 6th. FL. COLUMN REINFORCEMENT DETAILS

DRAWING TITLE: 5th FL. TO 6th. FL. COLUMN REINFORCEMENT DETAILS

DRAWING NO.: **SS-16**

SHEET NO.: