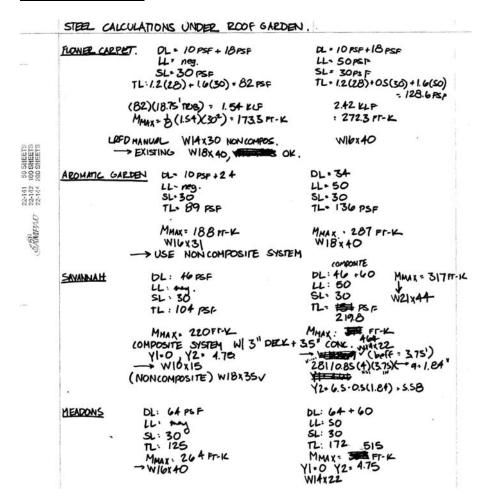
APPENDIX D: HAND STEEL CALCULATIONS UNDER ROOF GARDEN AND WITH NEW COLUMN LAYOUT

Under Roof Garden



With New Column Grid

```
NEW STEEL LAYOUT
GIEDEES
30' LONG , 26-3" TELB
                                          TL : 244 PSF
                          100 PSF LL
                          LOPSF DL +10
                                           = 6.405 KUE
                                         MMAX: 720.56 PT-K
                                     WIBX 55
                         a- 420/(0.85)(4)(12)(3.75) a. 2.745
                          YIVO Y2= 2005 /
                                    9. 401/(0.85)(4)(12)(3.75) -2.6209
                                    YIVO Y2: 5.19 V
                             OFFICE IL: 244 PSP
& COLUMNS
             ROOF TL: 60 PS F
  (30°)(60+4(244)) . 933"
          1314" UNBRICED LENGTH -WIZE96
                                     W14x90
```