



**DESIGNED APPURTENANCE LOADING**

| TYPE                              | ELEVATION | TYPE                              | ELEVATION |
|-----------------------------------|-----------|-----------------------------------|-----------|
| 60" x 4" x 3" Panel w/ mount pipe | 60        | 60" x 4" x 3" Panel w/ mount pipe | 60        |
| 60" x 4" x 3" Panel w/ mount pipe | 60        | Flush Mounts                      | 60        |

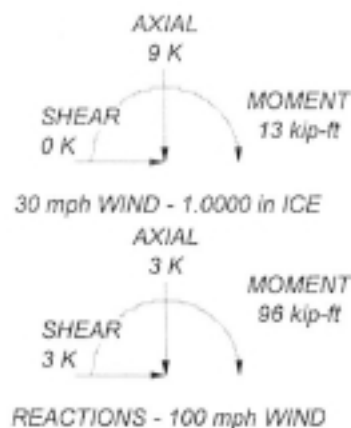
**MATERIAL STRENGTH**

| GRADE   | Fy     | Fu     | GRADE | Fy | Fu |
|---------|--------|--------|-------|----|----|
| A572-65 | 65 ksi | 80 ksi |       |    |    |

**TOWER DESIGN NOTES**

1. Tower is located in San Bernardino County, California.
2. Tower designed for Exposure C to the TIA-222-G Standard.
3. Tower designed for a 100 mph basic wind in accordance with the TIA-222-G Standard.
4. Tower is also designed for a 30 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. TOWER RATING: 38.3%

**Preliminary Design  
Not For Fabrication**



|               |                            |
|---------------|----------------------------|
| BASE PLATE:   | 1.5" x 25" SQUARE (60 KSI) |
| ANCHOR BOLTS: | (4) 2.25" DIA ON 26.5" B.C |

| ANSI/TIA-222-G CLASSIFICATION |    |
|-------------------------------|----|
| EXPOSURE CATEGORY             | C  |
| STRUCTURE CLASS               | II |
| TOPOGRAPHY CATEGORY           | 1  |
| CREST HEIGHT                  |    |

**LANDA MONOPOLES**

*DaVinci*  
**Engineering, inc.**

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|          |                                      |                |            |
|----------|--------------------------------------|----------------|------------|
| Job:     | 60-ft Monopole - DaVinci #08235-1577 |                |            |
| Project: | Fort Irwin                           |                |            |
| Client:  | Drawn by: MFP                        | App'd:         |            |
| Code:    | TIA-222-G                            | Date: 09/11/08 | Scale: NTS |
| Phone:   | Path:                                | Dwg No. E-1    |            |
| FAX:     |                                      |                |            |