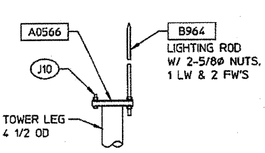
## PARTS LIST

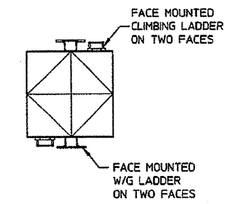
| BAY | MARK | DESCRIPTION | QTY |
|---|---|---|---|
| FLG CAP | A0566<br>B964 | FLANGE CAP-4 1/2<br>LT. ROD ASS'Y | 4<br>1 |
| F | A7880SB<br>A7884<br>A3284<br>A1153<br>A1152<br>A0447<br>PLATE | PIPE LEG<br>ANGLE GIRT<br>ANGLE GIRT<br>PIPE DIAGONAL<br>PIPE DIAGONAL<br>PLATE | 4<br>8<br>8<br>8<br>8<br>4 |
| G | A4039SB<br>A2040<br>A1155<br>A1154<br>A0448<br>PLATE | PIPE LEG<br>ANGLE GIRT<br>PIPE DIAGONAL<br>PIPE DIAGONAL<br>PLATE | 4<br>8<br>8<br>8<br>4 |
| H | A2955SB<br>A1445<br>A1157<br>A1156<br>A0449<br>PLATE | PIPE LEG<br>ANGLE GIRT<br>PIPE DIAGONAL<br>PIPE DIAGONAL<br>PLATE | 4<br>8<br>8<br>8<br>4 |
| I | A3543SB<br>A3619<br>A2953<br>A2952<br>A0450<br>PLATE | PIPE LEG<br>ANGLE GIRT<br>PIPE DIAGONAL<br>PIPE DIAGONAL<br>PLATE | 4<br>8<br>8<br>8<br>4 |
| J | A5733SB<br>A4043<br>A3620<br>A7879<br>A7878<br>A0451<br>PLATE | PIPE LEG<br>ANGLE GIRT<br>ANGLE GIRT<br>PIPE DIAGONAL<br>PIPE DIAGONAL<br>PLATE | 4<br>8<br>8<br>8<br>8<br>4 |
| K | A7874SB<br>A7877<br>A3304<br>A3116<br>A7651<br>A0046<br>PLATE | PIPE LEG<br>ANGLE GIRT<br>ANGLE GIRT<br>PIPE DIAGONAL<br>PIPE DIAGONAL<br>PLATE | 4<br>8<br>8<br>8<br>8<br>4 |
| L | A7873SB<br>A7876<br>A6760<br>A5242<br>A6154<br>A0047<br>PLATE | PIPE LEG<br>ANGLE GIRT<br>ANGLE GIRT<br>PIPE DIAGONAL<br>PIPE DIAGONAL<br>PLATE | 4<br>8<br>8<br>8<br>8<br>4 |
| M | A7872SB<br>A7875<br>A7596<br>A5654<br>A5245<br>A0048<br>PLATE | PIPE LEG<br>ANGLE GIRT<br>ANGLE GIRT<br>PIPE DIAGONAL<br>PIPE DIAGONAL<br>PLATE | 4<br>8<br>8<br>8<br>8<br>4 |
| N | A7868SB<br>A7870<br>A7871<br>A7869<br>A2190<br>DRAIN PLATE | PIPE LEG<br>ANGLE GIRT<br>PIPE DIAGONAL<br>PLATE<br>DRAIN PLATE | 4<br>8<br>8<br>4<br>4 |
| LAD | A0440<br>A0455<br>A0456<br>14396<br>A0458<br>A0494<br>125330 | BASE CLIP ANGLE<br>LADDER SECT. - 15'<br>LADDER SECT. - 20'<br>LADDER SECT. - 25'<br>STANDOFF<br>SPLICE<br>LADDER BRACE | 4<br>2<br>14<br>2<br>36<br>32<br>18 |
| S1<br>ES1 | A7885<br>A0141 | ANGLE<br>PLATE | 8<br>4 |
| S2<br>IS1 | A0707<br>A0141 | ANGLE<br>PLATE | 8<br>4 |
| S3<br>JS1 | A1003<br>A0141 | ANGLE<br>PLATE | 8<br>4 |
| S4<br>KS1 | A1101<br>A0141 | ANGLE<br>PLATE | 8<br>4 |
| S5<br>LS1 | A2697<br>A0141 | ANGLE<br>PLATE | 8<br>4 |
| 1<br>FG2<br>I.B. | A0142<br>A0593<br>A2407 | ANGLE<br>ANGLE<br>PLATE | 4<br>2<br>4 |
| 2<br>FG1<br>I.B. | A0108<br>A0594<br>A2420<br>A0685<br>A2407 | ANGLE<br>ANGLE<br>ANGLE<br>PLATE<br>PLATE | 4<br>1<br>2<br>1<br>4 |
| 3<br>GG1<br>I.B. | A0109<br>A0610<br>A2407 | ANGLE<br>ANGLE<br>PLATE | 4<br>2<br>4 |
| 4<br>HG1<br>I.B. | A0110<br>A0612<br>A2407 | ANGLE<br>ANGLE<br>PLATE | 8<br>2<br>4 |
| 5<br>IG1<br>I.B. | A0112<br>A0613<br>A2407 | ANGLE<br>ANGLE<br>PLATE | 8<br>2<br>4 |
| 6<br>JG2<br>I.B. | A0143<br>A1037<br>A2407 | ANGLE<br>ANGLE<br>PLATE | 8<br>2<br>4 |
| 7<br>JG1<br>I.B. | A0113<br>A0614<br>A2407 | ANGLE<br>ANGLE<br>PLATE | 8<br>2<br>4 |
| 8<br>KG2<br>I.B. | A1500<br>A1496<br>A2407 | ANGLE<br>ANGLE<br>PLATE | 8<br>2<br>4 |
| 9<br>KG1<br>I.B. | A0114<br>A1495<br>A2407 | ANGLE<br>ANGLE<br>PLATE | 8<br>2<br>4 |
| 10<br>LG2<br>I.B. | A1501<br>A1498<br>A2407 | ANGLE<br>ANGLE<br>PLATE | 8<br>2<br>4 |
| 11<br>LG1<br>I.B. | A0115<br>A1497<br>A2407 | ANGLE<br>ANGLE<br>PLATE | 8<br>2<br>4 |
| 12<br>MG2<br>I.B. | A2808<br>A2882<br>A2407 | ANGLE<br>ANGLE<br>PLATE | 8<br>2<br>4 |
| 13<br>MG1<br>I.B. | A0116<br>A1499<br>A2407 | ANGLE<br>ANGLE<br>PLATE | 8<br>2<br>4 |
| 14<br>NG1<br>I.B. | A4210<br>A4212<br>A4208<br>A4209<br>A4211<br>A4207 | ANGLE<br>ANGLE<br>ANGLE<br>ANGLE<br>PLATE<br>PLATE | 4<br>4<br>2<br>4<br>4<br>1 |

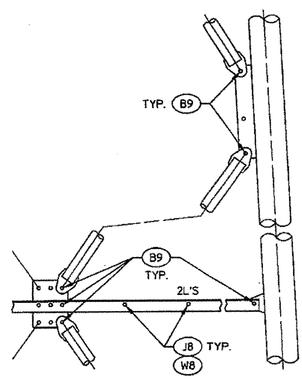
## HARDWARE LIST

| SYM | QTY | DESCRIPTION |
|---|---|---|
| B9 | 608 | 5/8ø x 2 1/4 A325 BLT ASS'Y |
| B13 | 32 | 5/8ø x 3 1/4 A325 BLT ASS'Y |
| C11 | 60 | 3/4ø x 2 3/4 A325 BLT ASS'Y |
| C15 | 64 | 3/4ø x 3 3/4 A325 BLT ASS'Y |
| C16 | 32 | 3/4ø x 4 A325 BOLT ASS'Y |
| D18 | 96 | 7/8ø x 4 1/2 A325 BLT ASS'Y |
| E22 | 96 | 1ø x 5 1/2 A325 BOLT ASS'Y |
| I11 | 132 | 1/2ø x 2 3/4 G5 BOLT ASS'Y |
| J7 | 385 | 5/8ø x 1 3/4 G5 BOLT ASS'Y |
| J8 | 365 | 5/8ø x 2 G5 BOLT ASS'Y |
| J10 | 7 | 5/8ø x 2 1/2 G5 BOLT ASS'Y |
| K9 | 16 | 3/4ø x 2 1/4 G5 BOLT ASS'Y |
| RH4 | 4 | 1/2ø CONCRETE INSERT |
| S4X | 4 | 1/2ø x 1 SS BOLT |
| S6X | 72 | 1/2ø x 1 1/2 SS BOLT |
| SF4 | 4 | 1/2ø SS FLAT WASHER |
| SL4 | 76 | 1/2ø SS LOCK WASHER |
| SN4 | 72 | 1/2ø SPRING NUT, 1 5/8 SQ RL |
| W6 | 80 | 3/8" THK SPACER W/ 11/16ø H. |
| W8 | 264 | 1/2" THK SPACER W/ 11/16ø H. |
| X5 | 32 | 5/16"THK SPACER W/ 13/16ø H. |
| TB | 36 | 1/2ø x 5 G2 TAP BOLT |
| FW4 | 36 | 1/2" GALV F.W. |
| LW4 | 36 | 1/2ø GALV L.W. |
| N4 | 36 | 1/2ø GALV NUT |
| SB | 720 | 5/8" X 8 1/4 STEP BOLT ASS'Y |

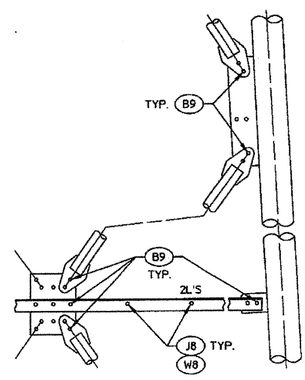



FLANGE CAP & LIGHTNING ROD DETAIL
4 1/2 O.D. LEG 3/4"=1'-0"

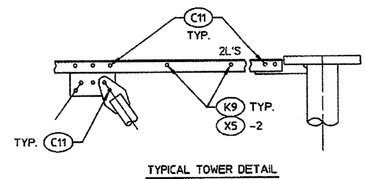



TYPICAL TOWER DETAIL
BAYS F - J 3/4"=1'-0"

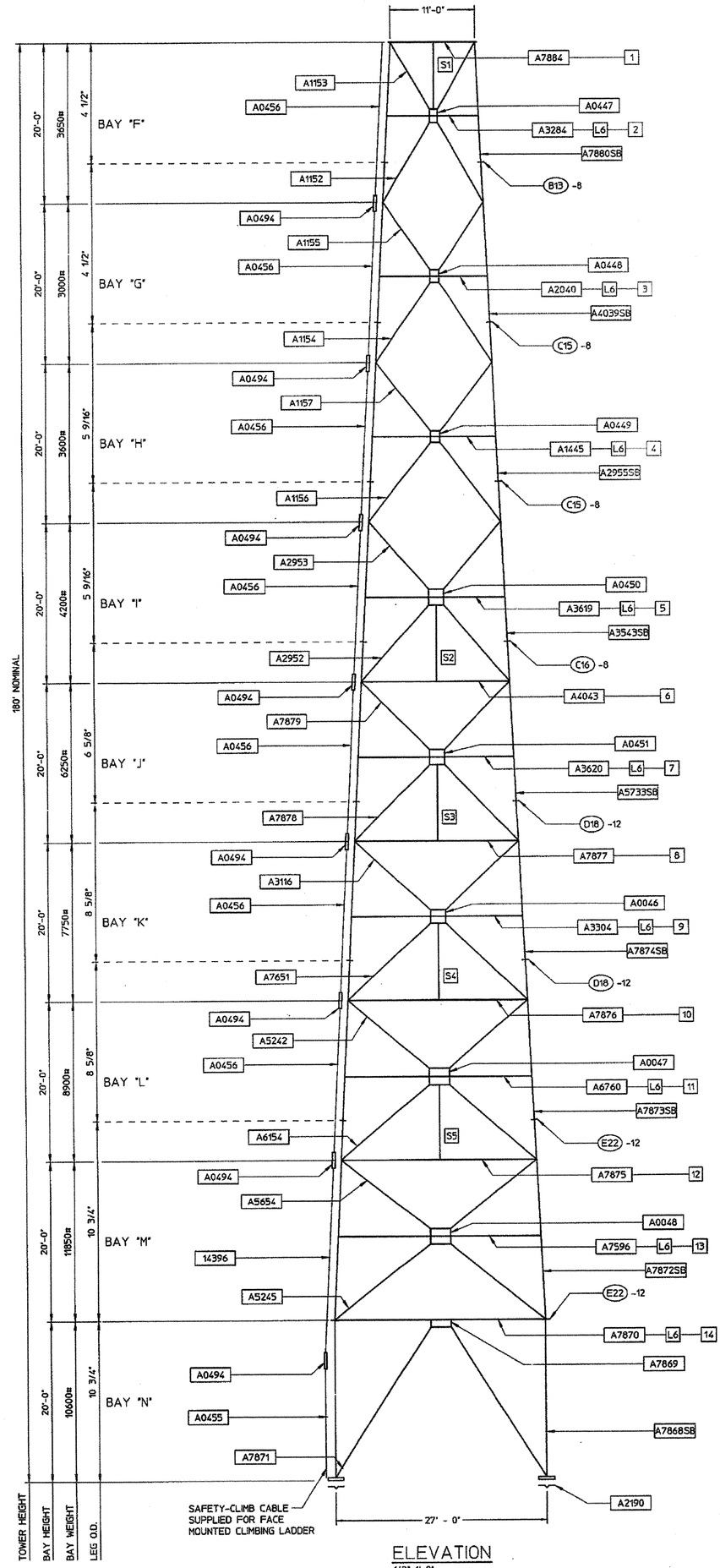



TYPICAL TOWER DETAIL
BAYS K - M 3/4"=1'-0"




TYPICAL TOWER DETAIL
BAY N 3/4"=1'-0"

## PLAN VIEW
1/8"=1'-0"




BAY WEIGHTS DO NOT INCLUDE ANCILLARY PARTS (PIPE MOUNTS, PLATFORMS...ETC)

## ELEVATION
1/8"=1'-0"

## SYMBOL LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| A0994 | TOWER PART NUMBER |
| L6 | LADDER BRACE DETAIL |
| S2 | VERTICAL BRACE DETAIL |
| 3 | INTERNAL BRACE DETAIL |
| M1 | ANTENNA MOUNT DETAIL |
| P2 | PLATFORM DRAWING REF. (SEE REF. DRAWING LIST) |
| J7 | HARDWARE DESIGNATION |

## REFERENCE DRAWINGS:

| | |
|---|---|
| FOUNDATION | D-125334 |
| ERECTION DETAILS | D-125352-2 |
| TOWER BRACING DETAILS | D-125352-3 |
| FACE-MOUNTED WAVEGUIDE LADDER | D-125352-4 |
| ANTENNA LAYOUT | D-125352-5 |
| ANTENNA PIPE MOUNTS | D-125352-6 |
| LADDER ANTI-CLIMB | B-69008 |

**ALL ASTM A325 BOLTS ARE TO BE TIGHTENED TO A SNUG TIGHT CONDITION**

"A snug tight condition is defined as the tightness that exists when all plies in a joint are in firm contact. This may be attained by a few impacts of an impact wrench or the full effort of a man using an ordinary spud wrench."

Ref: "Specification for Structural Joints Using ASTM A325 or A490 Bolts" Manual of Steel Construction, Allowable Stress Design, AISC, 9th Edition, 1989, pg 5-273, 8.(c)

17 OF 33

A-139272

| REV | DESCRIPTION | DATE | BY/CK |
|---|---|---|---|
| A | RELEASED DRAWING TO THE SHOP | 25AUG08 | JV/RJS |

S.O. 1184-08 | DATE 13JUN08 | BY SJ | CK MF | SHEET: 1 OF 6 | D-125352-1

valmont STRUCTURES
Plymouth, IN 1-877-467-4763
Salem, OR 1-800-547-2151

MASTER ERECTION: 132-M800-180
ARIZONA DEPT OF PUBLIC SAFETY
SITE: THOMPSON PEAK, AZ