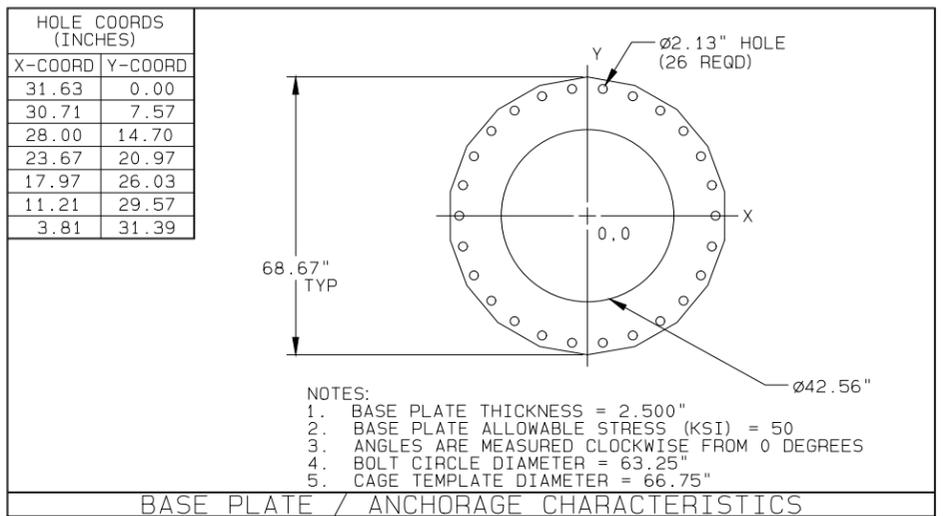
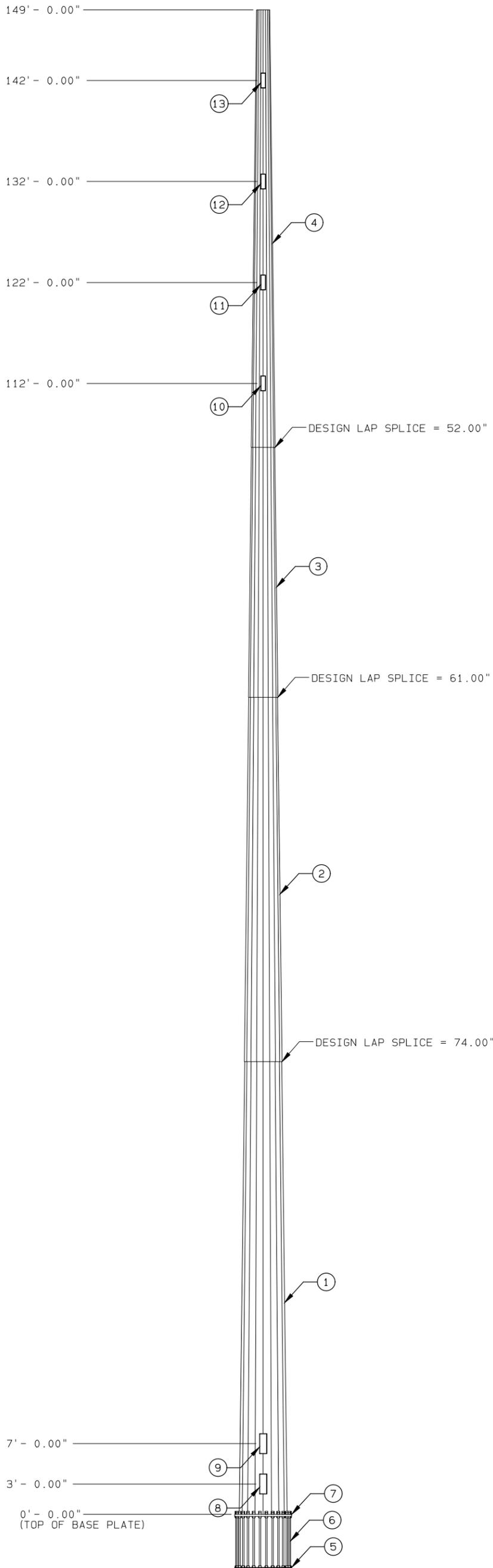


ITEM ID	NO. REQD	FEATURES	UNIT WEIGHT (LBS)	WEIGHT (LBS)
1	1	SECTION A VALMONT S-22 0.438" THK (A572 GR65)	11,736	11,736
2	1	SECTION B VALMONT S-22 0.438" THK (A572 GR65)	7,383	7,383
3	1	SECTION C VALMONT S-22 0.375" THK (A572 GR65)	3,538	3,538
4	1	SECTION D VALMONT S-22 0.250" THK (A572 GR65)	2,506	2,506
5	1	BOTTOM CAGE PLATE	126	126
6	26	1.75" ANCHOR BOLT, LENGTH=5.50' A615 GR75	62	1,597
7	1	BASE PLATE VALMONT S-56 2.500" THK (A572 GR50)	1,499	1,499
	1	TOP CAGE PLATE (REMOVE BEFORE SETTING POLE)	166	166
	1	SAFETY CLIMBING CABLE (LENGTH = 139.00')	108	108
	3	GROUNDING LUG	2	6
		GALVANIZING	449	449
	185	STEP AND CLIP (VALMONT STANDARD)	1	185
8	2	HAND HOLE HVY (9" x 24") @ 0°, 180°	52	104
9	2	HAND HOLE HVY (9" x 24") @ 0°, 180°	52	104
10	3	HAND HOLE STD (6" x 18") @ 0°, 120°, 240°	18	54
11	3	HAND HOLE STD (6" x 18") @ 0°, 120°, 240°	18	54
12	3	HAND HOLE STD (6" x 18") @ 0°, 120°, 240°	18	54
13	3	HAND HOLE STD (6" x 18") @ 0°, 120°, 240°	18	54
	1	POLE CAP	14	14



- NOTES:
- FACTORED BASE REACTIONS
MOMENT = 73,639 IN-KIPS
SHEAR = 53,642 #
VERTICAL = 48,367 #
 - GALVANIZED PER ASTM A-123.
 - DESIGN CRITERIA: TIA-222-H
 - THIS STRUCTURE HAS BEEN DESIGNED FOR THE FOLLOWING LOADING:
EXPOSURE CATEGORY = C
TOPOGRAPHY CATEGORY = 1
RISK CATEGORY = II
SITE ELEVATION = 51 FT
EARTHQUAKE SPECTRAL RESPONSE ACCELERATION AT SHORT PERIODS $S_S = 0.06$
EARTHQUAKE SPECTRAL RESPONSE ACCELERATION AT ONE SECOND $S_1 = 0.03$
EARTHQUAKE SITE CLASS = D
WIND LOAD CASES ARE BASED ON 3 SECOND GUST AND 700 YEAR MRI
A. CASE 1: WIND = 140 MPH WIND SPEED
B. CASE 2: WIND = 30 MPH ICE AND WIND SPEED
DESIGN ICE THICKNESS = 0.00 IN
C. CASE 3: WIND = 60 MPH WIND SPEED
D. CASE 4: SEISMIC
E. CASE 5: SEISMIC
F. EQUIPMENT
- | DESCRIPTION | ABP MTG HT. (FT) | ABP CENTROID HT. (FT) | WITHOUT ICE EPA WT (FT**2) (LBS) | WITH ICE EPA WT (FT**2) (LBS) |
|--------------------------------|------------------|-----------------------|----------------------------------|-------------------------------|
| 3-ERICSSON AIR 6449 (W/PM) | 143.50 | 145.00 | 15.33 | 334 |
| 6-QUINTEL QS8656-5 (W/PM) | 143.50 | 145.00 | 30.60 | 560 |
| 3-RRU 4460 | 143.50 | 145.00 | 6.24 | 324 |
| 1-OVP BOX - 12 OVP | 143.50 | 145.00 | 0.34 | 2 |
| 3-FVV-65C-R3-V1 (W/PM) | 133.50 | 135.00 | 51.36 | 445 |
| 3-AIR 6419 B41 (W/PM) | 133.50 | 135.00 | 16.97 | 283 |
| 3-AIR 6449 (W/PM) | 133.50 | 135.00 | 15.33 | 334 |
| 6-RRU 4460 | 133.50 | 135.00 | 12.48 | 648 |
| 3-RRU 4480 | 133.50 | 135.00 | 12.95 | 210 |
| 1-CARRIER # 3 | 123.50 | 125.00 | 144.03 | 2368 |
| 1-CARRIER # 4 | 113.50 | 115.00 | 144.03 | 2368 |
| 1-RMQP-396-HK | 143.50 | 145.00 | 23.14 | 1945 |
| 1-RMQP-496-HK | 133.50 | 135.00 | 23.14 | 1945 |
| 1-1/2" X 4' LIGHTNING ROD LIGH | 149.00 | 151.00 | 0.20 | 14 |
| 3-ERICSSON 4449 (15" X 13.2" X | 143.50 | 145.00 | 3.16 | 210 |
| 3-ERICSSON 8843 (15" X 13.2" X | 143.50 | 145.00 | 3.16 | 210 |
| 3-APXVAA24_43-U-A20 RADIO FREQ | 133.50 | 135.00 | 34.91 | 472 |
- FEEDLINES ARE PLACED INTERIOR TO THE POLE SHAFT (UNLESS NOTED OTHERWISE)
 - TOTAL POLE HEIGHT IS 150 FT AGL
 - ELEVATIONS ARE MEASURED FROM TOP OF BASE PLATE (APPROX. 1 FT AGL)
 - 18 SIDED SHAFT
 - ALTHOUGH RARE, VIBRATIONS SEVERE ENOUGH TO CAUSE DAMAGE CAN OCCASIONALLY OCCUR IN STRUCTURES OF ALL TYPES. BECAUSE THEY ARE INFLUENCED BY MANY INTERACTING VARIABLES, VIBRATIONS ARE GENERALLY UNPREDICTABLE. THE USER'S MAINTENANCE PROGRAM SHOULD INCLUDE OBSERVATION FOR EXCESSIVE VIBRATION AND EXAMINATION FOR ANY STRUCTURAL DAMAGE OR BOLT LOOSENING. THE VALMONT WARRANTY SPECIFICALLY EXCLUDES FATIGUE FAILURE OR SIMILAR PHENOMENA RESULTING FROM INDUCED VIBRATION, HARMONIC OSCILLATION OR RESONANCE ASSOCIATED WITH MOVEMENT OF AIR CURRENTS AROUND THE PRODUCT.
 - PRELIMINARY - NOT FOR CONSTRUCTION



SECTION INFORMATION					
ITEM ID	LENGTH	BASE OD	TOP OD	THK	MATL
1	51' - 0.00"	56.75"	41.90"	0.438"	A572 65 KSI
2	41' - 2.00"	44.57"	32.59"	0.438"	A572 65 KSI
3	29' - 1.00"	34.82"	26.35"	0.375"	A572 65 KSI
4	43' - 4.00"	28.11"	15.50"	0.250"	A572 65 KSI

ORDER	PROJECT	FILE ID	SCALE	DATE	ENGR
	592142	592142-02	NONE	10/10/23	VC72

DESCRIPTION: SECTOR SITE 149.0' POLE, SITE: US-FL-1275 - RIVER RANCH, FL

