

BILL OF MATERIAL FOR STR# 61, STR# 77-78-79-80, STR#60, STR#74, STR#75-83-85 & STR#100

I	QTY.	DESCRIPTION	BOTTOM DIAMETER INCH	TOP DIAMETER INCH	PLATE THK INCH	UNIT WEIGHT LBS	TOTAL WEIGHT LBS
A	1	BOTTOM SECTION 39.75 FT LG ASTM A-572 GR.65	20.26"	15.37"	3/16"	1252	1252.00
B	1	TOP SECTION 47.5 FT LG ASTM A-572 GR.65	16.12"	9.44"	3/16"	1282	1282.00
3	1	TOP PLATE ASTM A-36			3/16"	4.21	4.21
4	1	TOP PLATE SUPPORT			1/4"	0.6300	0.63
5	8	HEXAGONAL NUT 1"-8UNC HDG GR.2H				0.55	4.40
6	1	BEARING PLATE #18.43" A-572 GR.65			1/4"	29.7000	29.70
7	1	I.D. PLATE A-36			1/8"	26.4	26.40
7A	1	I.D. PLATE A-36			1/8"	0.8	0.80
8	1	HEXG. NUT 1/2"-13UNC HDG				0.066	0.07
TOTAL LBS 1 Pole							2,600.21

INSPECTION PLAN 02
GENERAL NOTES

- DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED
- ALL DIMENSIONS GOVERN OVER DRAWING SCALE, DO NOT SCALE
- HOT DIP GALVANIZE AFTER FABRICATION IN ACCORDANCE TO ASTM A123.

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PROJECT: 12 SIDES TAPERED POLE
 STR# 61, STR# 77-78-79-80, STR#60
 STR#74, STR#75-83-85 & STR#100

TITLE: ASSEMBLY DRAWING & FABRICATION DETAILS

NAME	DATE	ORDER:	QTY:	CATALOGUE:
ACP	OCT/16	9045	11 POLES	-----
CHECKED:	NAVEJAR	OCT/16	DRAWING No:	ITEM: 10,11,12, 14,15 & 16
APPD:	NAVEJAR	OCT/16	9045-ITEM,10,11,12, 14,15 & 16-001	SHEET 1 OF 2

CUSTOMER: POWER SUPPLY COMPANY

DRAWING No.	DESCRIPTION	REV.	DESCRIPTION	DATE	BY	REV
		A	INITIAL REVISION	OCT/16	ACP	JNR
REFERENCE DRAWINGS		REVISIONS				

STRUCTURE #61		
HOLE DRILL ORIENTATION FOR 80-H2-12-G (TOP SECTION)		
Height From Top Of Pole	Orientation Holes	Hole Diameter
5"	90° & 270°	11/16"
9"	90° & 270°	11/16"
8'-3"	90° & 270°	13/16"
9'-3"	90° & 270°	13/16"
13'-3"	90° & 270°	13/16"
14'-3"	90° & 270°	13/16"
18'-3"	90° & 270°	13/16"
19'-3"	90° & 270°	13/16"
28'-6"	0° & 180°	13/16"
29'-6"	0° & 180°	13/16"
29'-9"	90° & 270°	11/16"
30'-6"	0° & 180°	13/16"
31'-6"	0° & 180°	13/16"
31'-9"	90° & 270°	11/16"
32'-3"	90° & 270°	11/16"
32'-6"	90° & 270°	11/16"
33'	90° & 270°	11/16"
33'-6"	60° & 240°	11/16"
33'-9"	90° & 270°	11/16"
34'	90° & 270°	11/16"
34'-6"	60° & 240°	11/16"
35'	90° & 270°	11/16"
35'-6"	60° & 240°	11/16"
41'	90° & 270°	11/16"
41'-6"	90° & 270°	11/16"
42'	90° & 270°	11/16"
42'-6"	90° & 270°	11/16"
43'	90° & 270°	11/16"
43'-6"	90° & 270°	11/16"
44'-6"	90° & 270°	11/16"
45'	90° & 270°	11/16"

ITEM = 10 QTY = 1 POLE

STRUCTURE #77-78-79-80		
HOLE DRILL ORIENTATION FOR 80-H2-1-12-G (TOP SECTION)		
Height From Top Of Pole	Orientation Holes	Hole Diameter
5"	90° & 270°	11/16"
9"	90° & 270°	11/16"
8'-3"	90° & 270°	13/16"
9'-3"	90° & 270°	13/16"
13'-3"	90° & 270°	13/16"
14'-3"	90° & 270°	13/16"
18'-3"	90° & 270°	13/16"
19'-3"	90° & 270°	13/16"
28'-6"	0° & 180°	13/16"
29'-6"	0° & 180°	13/16"
29'-9"	90° & 270°	11/16"
30'-6"	0° & 180°	13/16"
33'-6"	0° & 180°	13/16"
34'-6"	0° & 180°	13/16"
35'-6"	0° & 180°	13/16"
38'	90° & 270°	11/16"
38'-6"	60° & 240°	11/16"
39'	90° & 270°	11/16"
39'-6"	60° & 240°	11/16"
40'	90° & 270°	11/16"
40'-6"	60° & 240°	11/16"
46'	90° & 270°	11/16"
47'	90° & 270°	11/16"

STRUCTURE #77-78-79-80		
HOLE DRILL ORIENTATION FOR 80-H2-1-12-G (BOTTOM SECTION)		
Height From Top Of Pole	Orientation Holes	Hole Diameter
2'-9"	90° & 270°	11/16"
3'-9"	90° & 270°	11/16"
4'-9"	90° & 270°	11/16"

ITEM = 11 QTY = 4 POLES

STRUCTURE #60		
HOLE DRILL ORIENTATION FOR 80-H2-4-12-G (TOP SECTION)		
Height From Top Of Pole	Orientation Holes	Hole Diameter
5"	90° & 270°	15/16"
1'-5"	90° & 270°	15/16"
4'-5"	90° & 270°	13/16"
5'-3"	90° & 270°	13/16"
5'-9"	90° & 270°	13/16"
8'-3"	90° & 270°	13/16"
9'-3"	90° & 270°	13/16"
10'-5"	90° & 270°	13/16"
14'-3"	90° & 270°	13/16"
15'-3"	90° & 270°	13/16"
17'-6"	90° & 270°	13/16"
17'-9"	0° & 180°	13/16"
18'	90° & 270°	13/16"
20'-3"	90° & 270°	13/16"
21'-3"	90° & 270°	13/16"
23'-9"	0° & 180°	13/16"
30'-6"	0° & 180°	13/16"
31'-6"	0° & 180°	13/16"
31'-9"	90° & 270°	11/16"
32'-3"	90° & 270°	11/16"
32'-6"	0° & 180°	13/16"
33'-6"	0° & 180°	13/16"
34'-6"	90° & 270°	13/16"
35'-6"	90° & 270°	13/16"
39'	90° & 270°	11/16"
39'-6"	90° & 270°	11/16"
39'-9"	60° & 240°	11/16"
40'	90° & 270°	11/16"
40'-6"	90° & 270°	11/16"
40'-9"	60° & 240°	11/16"
46'	90° & 270°	11/16"
46'-6"	90° & 270°	11/16"
47'	90° & 270°	11/16"
47'-5"	90° & 270°	11/16"

STRUCTURE #60		
HOLE DRILL ORIENTATION FOR 80-H2-4-12-G (BOTTOM SECTION)		
Height From Top Of Pole	Orientation Holes	Hole Diameter
2'-9"	90° & 270°	11/16"
3'-9"	90° & 270°	11/16"
4'-9"	90° & 270°	11/16"

ITEM = 12 QTY = 1 POLE

STRUCTURE #74		
HOLE DRILL ORIENTATION FOR 80-H2-6-12-G (TOP SECTION)		
Height From Top Of Pole	Orientation Holes	Hole Diameter
5"	90° & 270°	15/16"
1'-5"	90° & 270°	15/16"
3'-9"	90° & 270°	13/16"
4'-3"	90° & 270°	13/16"
5'-9"	90° & 270°	13/16"
8'-3"	90° & 270°	13/16"
9'-3"	90° & 270°	13/16"
11'-9"	0° & 180°	13/16"
14'-3"	90° & 270°	13/16"
15'-3"	90° & 270°	13/16"
17'-6"	90° & 270°	13/16"
17'-9"	0° & 180°	13/16"
18'	90° & 270°	13/16"
20'-3"	90° & 270°	13/16"
21'-3"	90° & 270°	13/16"
23'-9"	0° & 180°	13/16"
30'-6"	0° & 180°	13/16"
31'-6"	0° & 180°	13/16"
32'-6"	0° & 180°	13/16"
33'-6"	0° & 180°	13/16"
36'-6"	0° & 180°	13/16"
37'-6"	0° & 180°	13/16"
41'	90° & 180°	11/16"
41'-6"	60° & 240°	11/16"
42'	90° & 270°	11/16"
42'-6"	60° & 240°	11/16"
43'	90° & 270°	11/16"
47'	90° & 270°	11/16"

STRUCTURE #74		
HOLE DRILL ORIENTATION FOR 80-H2-6-12-G (BOTTOM SECTION)		
Height From Top Of Pole	Orientation Holes	Hole Diameter
2'-9"	90° & 270°	11/16"
3'-9"	90° & 270°	11/16"
4'-9"	90° & 270°	11/16"
5'-9"	90° & 270°	11/16"

ITEM = 14 QTY = 1 POLE

STRUCTURE #75-83-85		
HOLE DRILL ORIENTATION FOR 80-H2-7-12-G (TOP SECTION)		
Height From Top Of Pole	Orientation Holes	Hole Diameter
5"	90° & 270°	15/16"
1'-5"	90° & 270°	15/16"
4'-5"	90° & 270°	13/16"
5'-3"	90° & 270°	13/16"
5'-9"	90° & 270°	13/16"
8'-3"	90° & 270°	13/16"
9'-3"	90° & 270°	13/16"
10'-5"	90° & 270°	13/16"
14'-3"	90° & 270°	13/16"
15'-3"	90° & 270°	13/16"
17'-6"	90° & 270°	13/16"
16'-5"	90° & 270°	13/16"
17'-3"	90° & 270°	13/16"
17'-9"	90° & 270°	13/16"
17'-9"	90° & 270°	13/16"
20'-3"	90° & 270°	13/16"
21'-3"	90° & 270°	13/16"
31'-6"	0° & 180°	13/16"
32'-6"	0° & 180°	13/16"
32'-9"	90° & 270°	11/16"
33'-3"	90° & 270°	11/16"
37'-6"	0° & 180°	13/16"
38'-6"	0° & 180°	13/16"
38'-9"	90° & 270°	11/16"
39'-3"	90° & 270°	11/16"
41'	90° & 270°	11/16"
41'-6"	60° & 240°	11/16"
42'	90° & 270°	11/16"
42'-6"	60° & 240°	11/16"
43'	90° & 270°	11/16"
43'-6"	60° & 240°	11/16"
44'	90° & 270°	11/16"

STRUCTURE #75-83-85		
HOLE DRILL ORIENTATION FOR 80-H2-7-12-G (BOTTOM SECTION)		
Height From Top Of Pole	Orientation Holes	Hole Diameter
2'-9"	90° & 270°	11/16"
3'-9"	90° & 270°	11/16"
4'-3"	90° & 270°	11/16"
4'-9"	90° & 270°	11/16"
5'-3"	90° & 270°	11/16"
5'-9"	90° & 270°	11/16"
6'-3"	90° & 270°	11/16"
6'-9"	0° & 180°	11/16"
7'-9"	0° & 180°	11/16"
15'-9"	0° & 180°	11/16"
23'-9"	0° & 180°	11/16"

ITEM = 15 QTY = 3 POLES

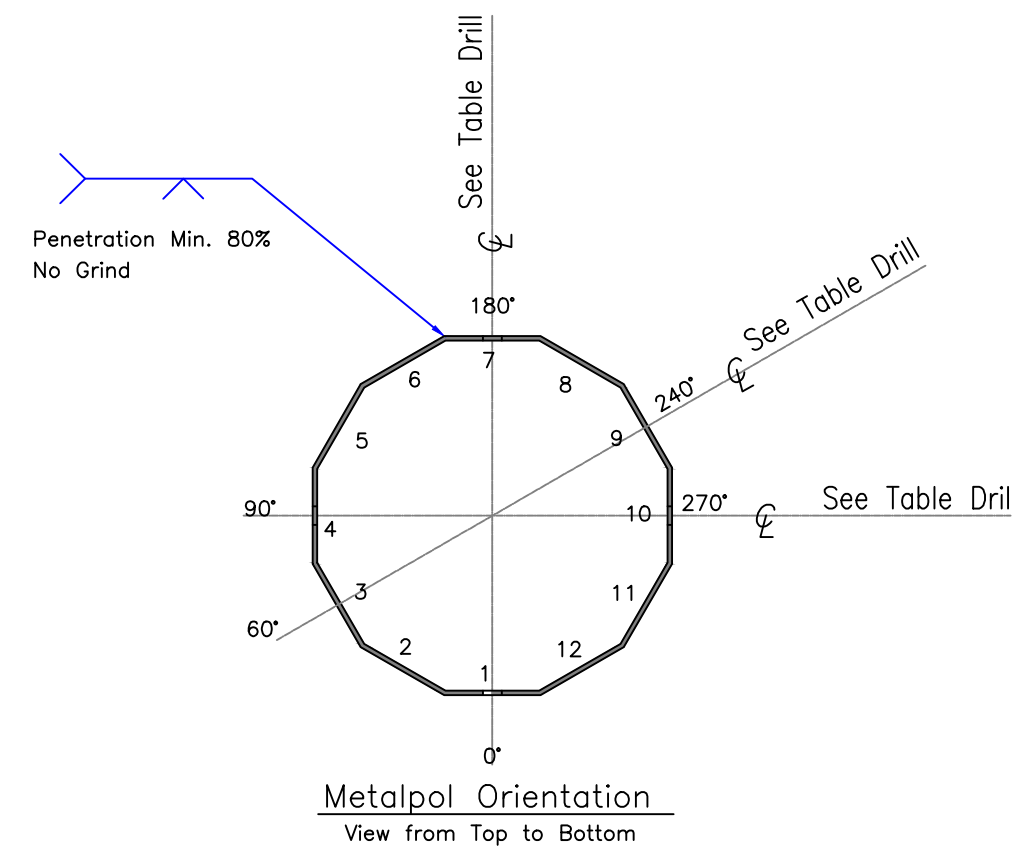
STRUCTURE #100		
HOLE DRILL ORIENTATION FOR 80-H2-8-12-G (TOP SECTION)		
*Height From Top Of Pole	Orientation Holes	Hole Diameter
6"	0° & 180°	13/16"
1'	0° & 180°	13/16"
7'-3"	0° & 180°	13/16"
7'-9"	0° & 180°	15/16"
14'-3"	0° & 180°	15/16"
14'-9"	0° & 180°	15/16"
21'-3"	0° & 180°	15/16"
21'-9"	0° & 180°	15/16"
31'-6"	0° & 180°	13/16"
32'-6"	0° & 180°	13/16"
32'-9"	90° & 270°	13/16"
33'-3"	90° & 270°	13/16"
36'	90° & 270°	11/16"
36'-6"	90° & 270°	11/16"
40'	60° & 240°	11/16"
40'-6"	90° & 270°	11/16"
41'	60° & 240°	11/16"
41'-6"	90° & 270°	11/16"
42'	90° & 270°	11/16"
43'	90° & 270°	11/16"
43'-6"	60° & 240°	11/16"
44'	90° & 270°	11/16"

STRUCTURE #100		
HOLE DRILL ORIENTATION FOR 80-H2-8-12-G (BOTTOM SECTION)		
*Height From Top Of Pole	Orientation Holes	Hole Diameter
3'-9"	90° & 270°	11/16"
4'-3"	90° & 270°	11/16"
4'-9"	90° & 270°	11/16"
5'-3"	90° & 270°	11/16"
5'-9"	90° & 270°	11/16"
6'-3"	90° & 270°	11/16"
6'-9"	90° & 270°	11/16"
7'-3"	90° & 270°	11/16"

ITEM = 16 QTY = 1 POLE

One Inch Above for Interference on Slip Joint Line

REVIEW THIS DIMENSION



- INSPECTION PLAN 02**
GENERAL NOTES
- DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED
 - ALL DIMENSIONS GOVERN OVER DRAWING SCALE, DO NOT SCALE.
 - HOT DIP GALVANIZE AFTER FABRICATION IN ACCORDANCE TO ASTM A123.

		Santiago Papasquiaro N° 158 Parque Industrial Lagunero Gómez Palacios, Dgo. www.metalpol.com.mx email: info@metalpol.com.mx	
PROJECT: 12 SIDES TAPERED POLE STR# 61, STR# 77-78-79-80, STR#60 STR#74, STR#75-83-85 & STR#100			
TITLE: ASSEMBLY DRAWING & FABRICATION DETAILS			
ORDER: 9045	QTY: 11 POLES	CATALOGUE: -----	
DRAWN: ACP	DATE: OCT/16	DRAWING No: 9045-ITEM,10,11,12,14,15 & 16-001	
CHECKED: NAVEJAR	DATE: OCT/16	ITEM: 10,11,12,14,15 & 16	REV. RA
APPD: NAVEJAR	DATE: OCT/16	SHEET 2 OF 2	

DRAWING No.	DESCRIPTION	DATE	BY	REV
-	-	-	-	-
A	INITIAL REVISION	OCT/16	ACP	JNR
REV.	DESCRIPTION	DATE	BY	REV

DESCRIPTION	REVISIONS
REFERENCE DRAWINGS	

CUSTOMER:	
POWER SUPPLY COMPANY	