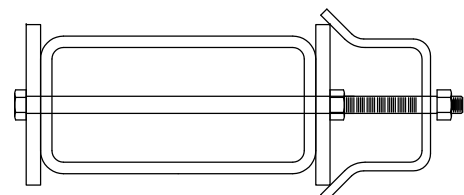


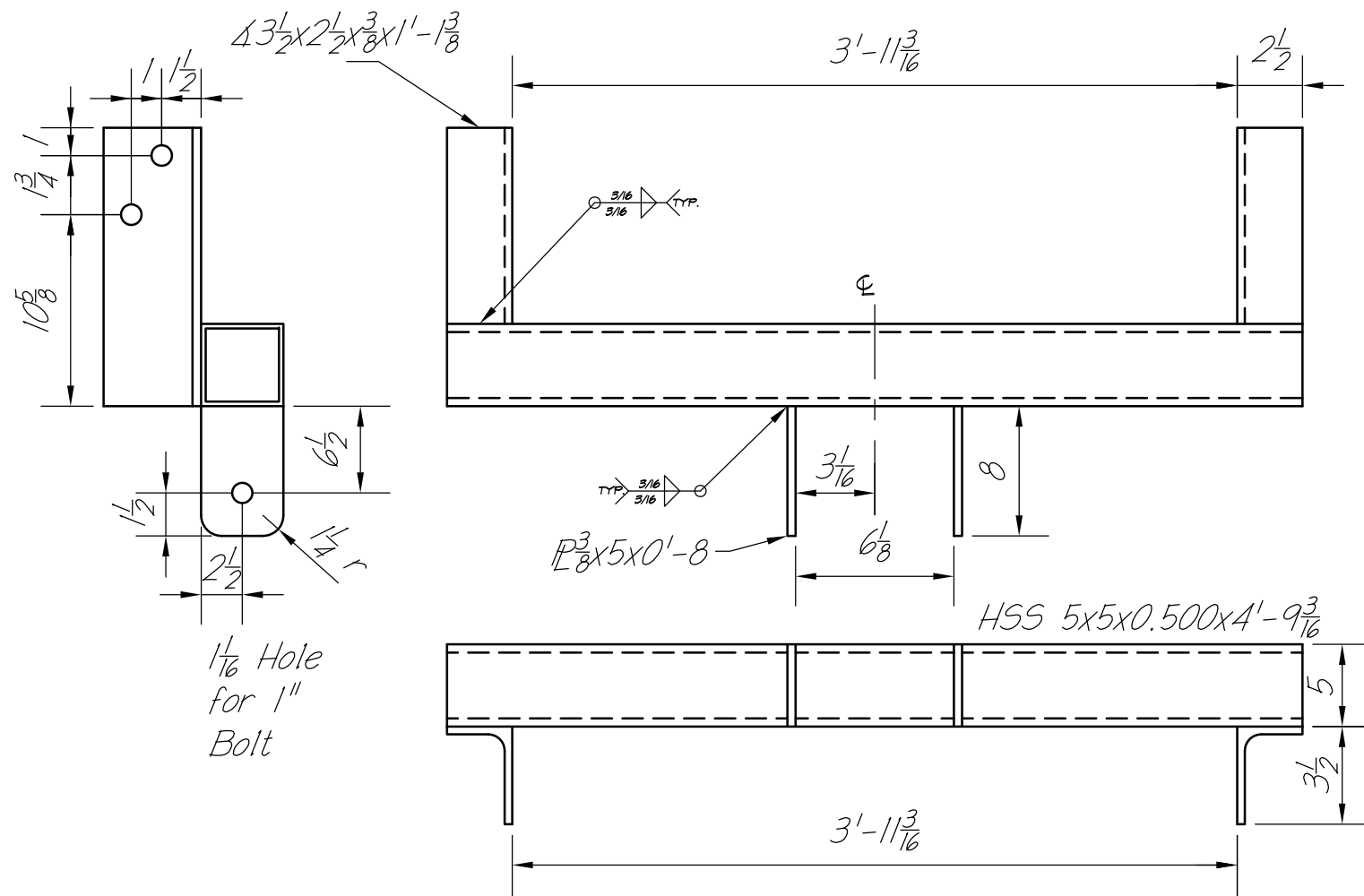
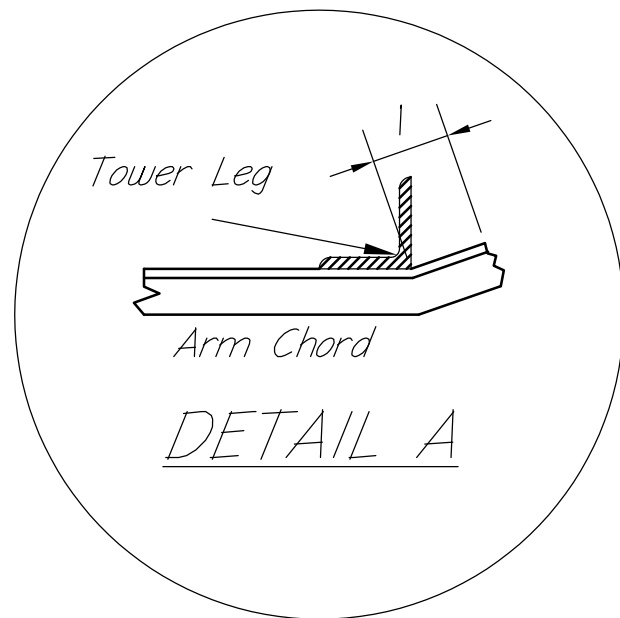
Existing Tower Steel -----
 New Tower Steel _____



Use Plates 120-11-P under Gain Base and on back of Tube.

Bolt Schedule

| Qty | SAP M/N | Description |
|-----|-----------|---|
| 16 | 228518 | $\frac{5}{8} \times \frac{3}{4}$ T1 |
| 2 | 110665 | $\frac{3}{4} \times 1\frac{1}{2}$ A394-T0 |
| 4 | Non-Stock | 1" x 8 A307 |



Make 2 Thus Mk 120-11-B

NOTES:

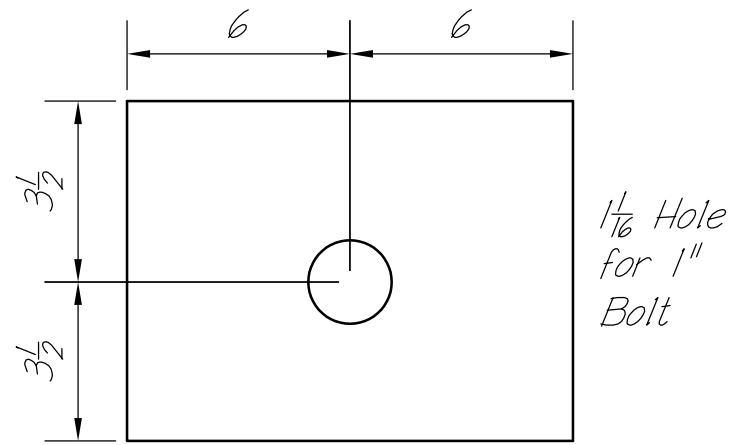
1. ALL ROLLED STEEL SHAPES TO BE ASTM A572, GR 50.
2. ALL MATERIAL, FABRICATION, GALVANIZING AND DELIVERY TO BE IN ACCORDANCE WITH CENTERPOINT ENERGY SPECIFICATION 007-223-03, LATEST REVISION.
3. ALL MATERIAL TO BE HOT DIP GALVANIZED AFTER FABRICATION.
4. ALL HOLES TO BE 11/16 ϕ EXCEPT AS SHOWN.
5. ALL BOLTS TO BE ASTM A394-T1 (high strength)
6. ALL TUBE STEEL TO BE ASTM A500 GRADE C, 50 KSI.
7. ALL PLATE STEEL TO BE ASTM A572 GRADE 50.

| NO. | DATE | REVISION | BY | CH | CDR | APP |
|-----|------|----------|----|----|-----|-----|
| | | | | | | |

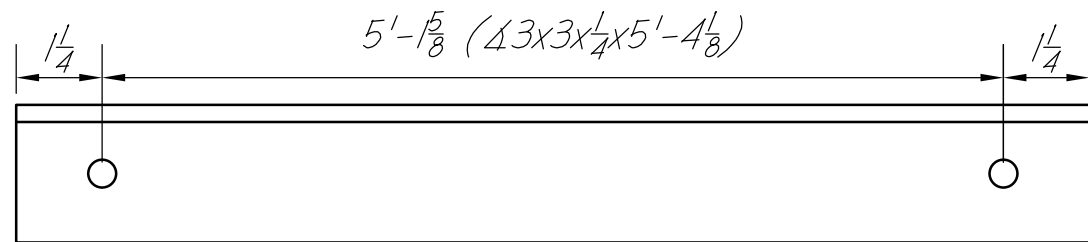
| | | |
|-------------------------------------|---------|-----|
| DRWN | 9/14/15 | GTW |
| CHKD | | |
| CDR | | |
| APP | | |
| LAN I.D. No. 178-120-11-004-006.dwg | | |

| | | |
|--|--|--|
| CENTERPOINT ENERGY | | |
| Modification Steel for 174-120-11 Tangent to Attach 3 Braced Post Insulators | | |

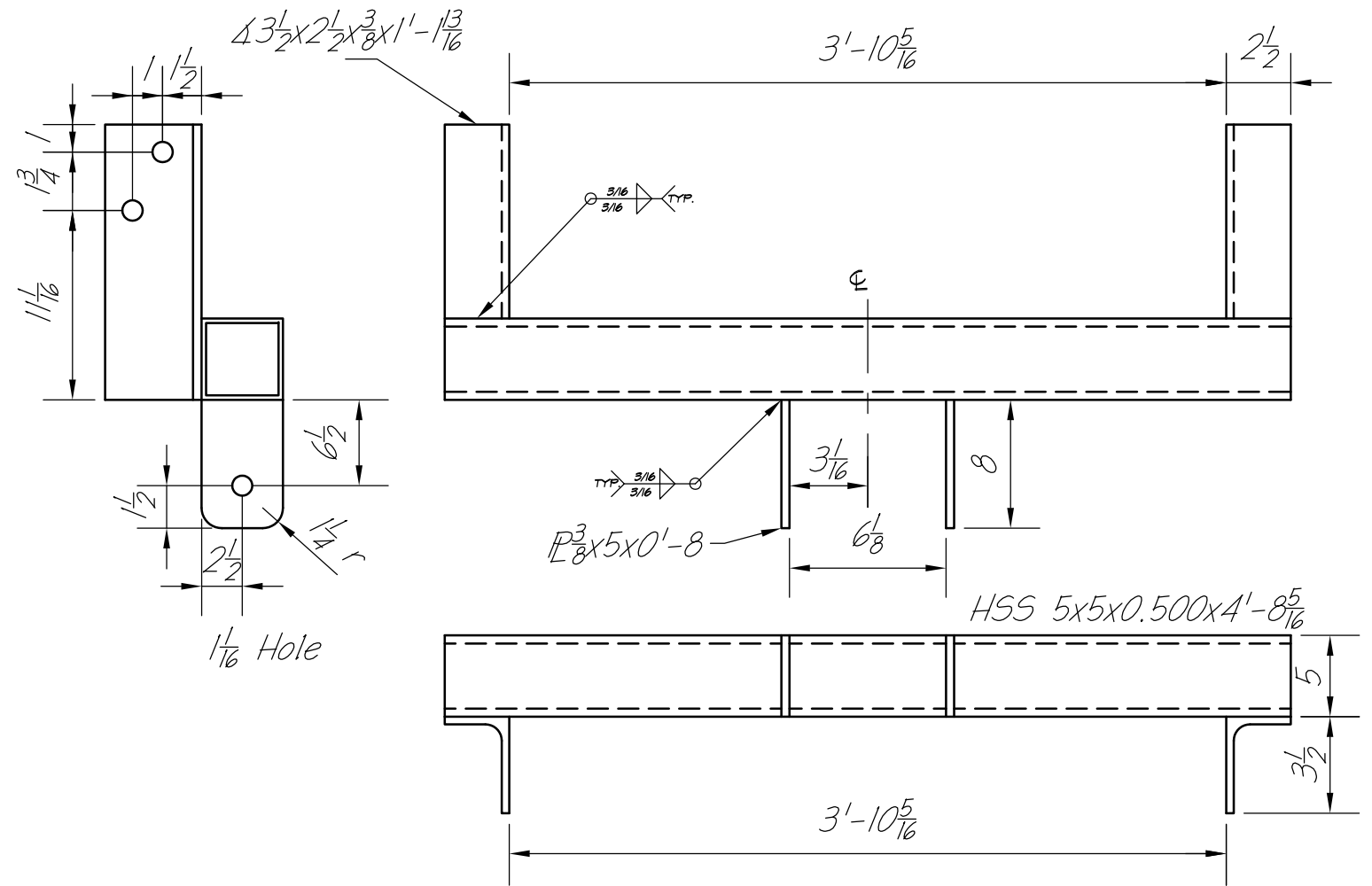
| | |
|----------------|---------------|
| SCALE: | N.T.S. |
| SHEET | 4 OF 6 SHEETS |
| DRAWING NUMBER | |
| 178 | 120 11 |



Make 24 Thus Mk 120-11-P



Make 1 Thus Mk 120-11-A



Make 2 Thus Mk 120-11-T

NOTES:

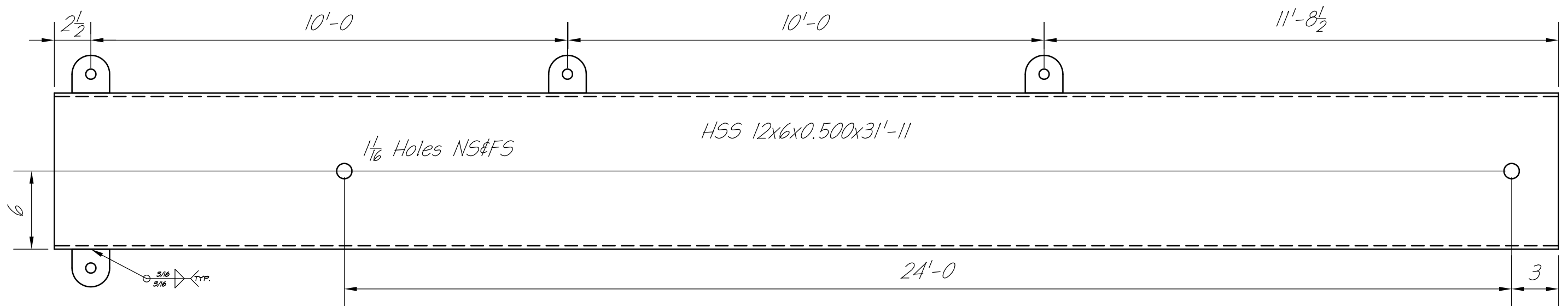
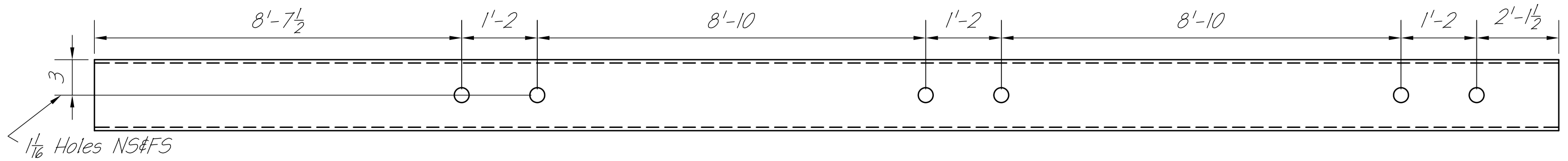
1. ALL ROLLED STEEL SHAPES TO BE ASTM A572, GR 50.
2. ALL MATERIAL, FABRICATION, GALVANIZING AND DELIVERY TO BE IN ACCORDANCE WITH CENTERPOINT ENERGY SPECIFICATION 007-223-03, LATEST REVISION.
3. ALL MATERIAL TO BE HOT DIP GALVANIZED AFTER FABRICATION.
4. ALL HOLES TO BE 11/16 ϕ EXCEPT AS SHOWN.
5. ALL BOLTS TO BE ASTM A394-T1(high strength)
6. ALL TUBE STEEL TO BE ASTM A500 GRADE C, 50 KSI.
7. ALL PLATE STEEL TO BE ASTM A572 GRADE 50.

| NO. | DATE | REVISION | BY | CH | CDR | APP |
|-----|------|----------|----|----|-----|-----|
| | | | | | | |

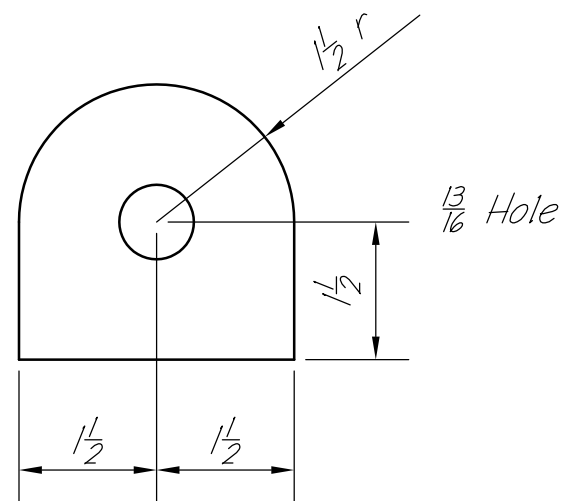
| | | |
|--------------|------------------------|-----|
| DRWN | 9/14/15 | GTW |
| CHKD | | |
| CDR | | |
| APP | | |
| LAN I.D. No. | 178-120-11-004-006.dwg | |

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|--|--|--|
| CENTERPOINT ENERGY | | |
| Modification Steel for 174-120-11 Tangent to Attach 3 Braced Post Insulators | | |

| | |
|----------------|---------------|
| SCALE: | N.T.S. |
| SHEET | 5 OF 6 SHEETS |
| DRAWING NUMBER | |
| 178 | 120 11 |



Make 2 Thus Mk 120-11-V



NOTES:

1. ALL ROLLED STEEL SHAPES TO BE ASTM A572, GR 50.
2. ALL MATERIAL, FABRICATION, GALVANIZING AND DELIVERY TO BE IN ACCORDANCE WITH CENTERPOINT ENERGY SPECIFICATION 007-223-03, LATEST REVISION.
3. ALL MATERIAL TO BE HOT DIP GALVANIZED AFTER FABRICATION.
4. ALL HOLES TO BE 11/16 ϕ EXCEPT AS SHOWN.
5. ALL BOLTS TO BE ASTM A394-T1(high strength)
6. ALL TUBE STEEL TO BE ASTM A500 GRADE C, 50 KSI.
7. ALL PLATE STEEL TO BE ASTM A572 GRADE 50.

| NO. | DATE | REVISION | BY | CH | CDR | APP |
|-----|------|----------|----|----|-----|-----|
| | | | | | | |

| | | |
|--------------|------------------------|-----|
| DRWN | 9/14/15 | GTW |
| CHKD | | |
| CDR | | |
| APP | | |
| LAN I.D. No. | 178-120-11-004-006.dwg | |

| | | |
|---|--|--|
| CENTERPOINT ENERGY | | |
| Modification Steel for 174-120-11 Tangent to Attach 3 Braced Post Insulators | | |

| | |
|----------------|---------------|
| SCALE: | N.T.S. |
| SHEET | 6 OF 6 SHEETS |
| DRAWING NUMBER | |
| 178 | 120 11 |