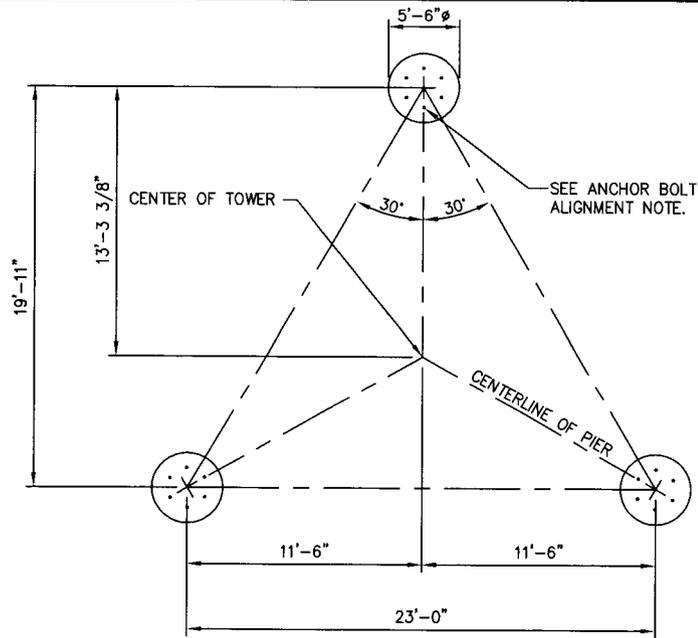
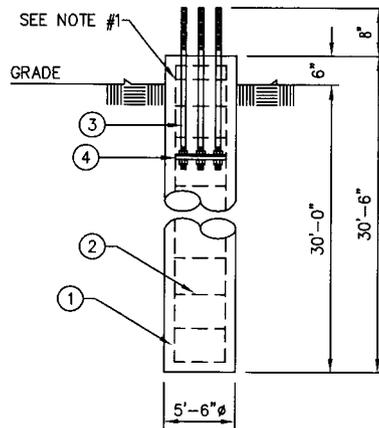


ATTACHMENT 5 TO RFP 04-15 FOUNDATION DRAWING



PLAN VIEW



ELEVATION VIEW

| REINFORCING STEEL SCHEDULE | | | | | | | | |
|----------------------------|---------------------------|------------|----------------|------|-----------|-------------|-----------|----------|
| ITEM | LOCATION | NO. REQ'D. | BAR SPC'G. | SIZE | CUT LGTH. | TOTAL LGTH. | TOTAL WT. | SHAPE |
| ① | PIER VERTICAL REINFORCING | 90 | EQUALLY SPACED | #7 | 30'-0" | 2700'-0" | 5519 LBS. | STRAIGHT |
| ② | PIER TIES | 96 | SPACED 12" C/C | #4 | 16'-11" | 1624'-0" | 1085 LBS. | |
| TOTAL REBAR WT. | | | | | | | 6604 LBS. | |

| ANCHOR BOLT SCHEDULE | | | | |
|----------------------|-----------|------------|------------------|----------------|
| ITEM | PART NO. | NO. REQ'D. | ANCHOR BOLT SIZE | SPACING |
| ③ | C40041060 | 18 | 1 1/2" Ø X 6'-6" | EQUALLY SPACED |

| TEMPLATE SCHEDULE | | | |
|-------------------|-----------|------------|-------------|
| ITEM | PART NO. | NO. REQ'D. | BOLT CIRCLE |
| ④ | C30139166 | 6 | 1'-3 1/2" |

| CONCRETE REQ'D | |
|----------------|----------------|
| PER PIER | 26.84 CU. YDS. |
| TOTAL | 80.52 CU. YDS. |

GENERAL NOTES

- CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI, IN ACCORDANCE WITH ACI 318-05. (2 REBAR TIES REQ'D IN THE TOP 5")
- REBAR TO CONFORM TO ASTM SPECIFICATION A615 GRADE 60.
- ALL REBAR TO HAVE A MINIMUM OF 3" CONCRETE COVER.
- ALL EXPOSED CONCRETE CORNERS TO BE CHAMFERED 3/4".
- THE FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL REPORT BY TERRACON, PROJECT NO. 02145055, DATED APRIL 4, 2014.
- SEE THE GEOTECHNICAL REPORT FOR DRILLED PIER INSTALLATION REQUIREMENTS, IF SPECIFIED.
- THE FOUNDATION IS BASED ON THE FOLLOWING FACTORED LOADS:
FACTORED UPLIFT (KIPS) = 594
FACTORED DOWNLOAD (KIPS) = 659
FACTORED SHEAR (KIPS) = 61
- ONE ANCHOR BOLT MUST BE ALIGNED DIRECTLY WITH THE CENTER OF THE TOWER (TYPICAL)

| | | | |
|--|------|---|-------------|
| UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS INCLUDE FINISHES AND ARE IN INCHES | | MATERIAL: | |
| TOLERANCES: FRACTIONS ± 1/16" ANGLES ± 1/2 DEG. DECIMALS ± .010" | | TOLERANCES DO NOT APPLY TO RAW MATERIAL | |
| REV | DATE | DRWCHK | DESCRIPTION |
| | | | |

| | | | | | |
|--|--------------|--------------------------------------|------------|-----------------------|-------|
| | | FOUNDATION: 240 FT. MODEL S3TL-HD1 | | | |
| | | SITE: KEARNEY, MO | | | |
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| | | JOB NO. 116127 | SIZE B | DRAWING NO. 116127-F1 | REV 0 |
| DATE 12/23/14 | DRAWN BY RWM | CHECKED BY MWR | SCALE NONE | PAGE 1 OF 1 | |