

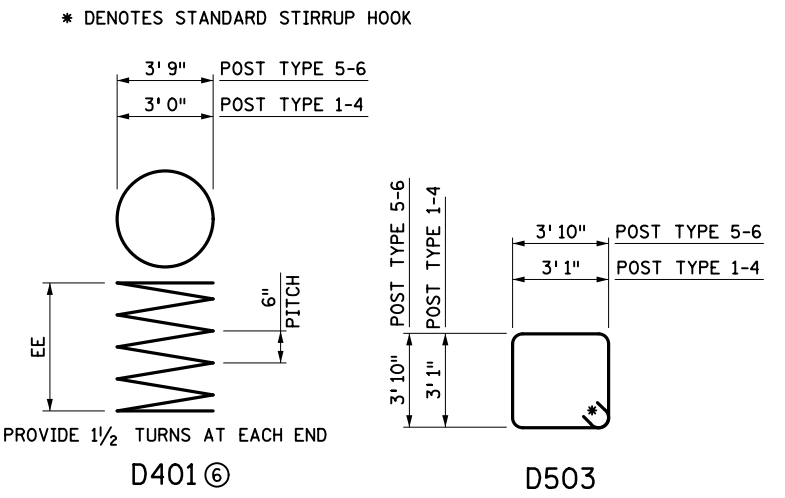
SECTION B-B
SECTION FOR POST TYPE 1-4 SHOWN
SECTION FOR POST TYPE 5-6 SIMILAR

| FOUNDATION DATA AND QUANTITIES | | | | | | | |
|--------------------------------|--------------------------|--------|-------|-------|-------------------------------------|-----------------------------|-----------------------------|
| POST TYPE | DRILLED SHAFT DIMENSIONS | | | | STRUCTURAL CONCRETE (3G52) CU YD | REINFORCEMENT BARS POUND | ANCHORAGE ASSEMBLY POUND |
| | AA | BB (7) | CC | DD | | | |
| 1-4 | 3' 6" | VARIES | 3' 6" | 3' 6" | 0.51 + 0.36BB | 560 + 68EE | 799 |
| 5-6 | 4' 3" | VARIES | 4' 3" | 4' 3" | 0.75 + 0.53BB | 786 + 98EE | 1392 |

| BILL OF REINFORCEMENT - DRILLED SHAFTS | | | | | | |
|--|---------------|---------|---------------|---------|--------|-------------------------|
| BAR | POST TYPE 1-4 | | POST TYPE 5-6 | | SHAPE | LOCATION |
| | QTY. | LENGTH | QTY. | LENGTH | | |
| (5) D401 | 1 | EE | 1 | EE | SPIRAL | DRILLED SHAFT SPIRAL |
| D502 | 5 | 14' 1" | 5 | 17' 1" | — | TRANSITION TIES |
| D503 | 8 | 13' 7" | 8 | 16' 7" | — | PEDESTAL TIES |
| (8) D904 | 16 | BB - 5" | 24 | BB - 5" | — | DRILLED SHAFT VERTICALS |

BAR BENDING DIAGRAMS

BENT BAR DIMENSIONS GIVEN ARE OUT-TO-OUT. DETERMINE ACTUAL BAR LENGTHS BASED ON THE DETAIL DIMENSIONS SHOWN IN THE BAR BENDING DIAGRAMS.



GEOTECHNICAL PARAMETERS:

A SUBSURFACE INVESTIGATION IN THE FORM OF A STANDARD PENETRATION TEST (SPT) SHOULD BE PERFORMED WITHIN 30' HORIZONTALLY FROM EACH POST FOUNDATION. THE SOIL SPT BORING SHOULD EXTEND TO A MINIMUM DEPTH OF 35'. IF BEDROCK IS ENCOUNTERED DURING THE DRILLING OPERATIONS, A MINIMUM OF 10' OF ROCK CORE SHOULD BE REMOVED. IN LIEU OF SPT BORINGS, CONE PENETRATION TEST SOUNDINGS MAY BE PUSHED TO A MINIMUM DEPTH OF 35' IF REFUSAL OR BEDROCK IS NOT ENCOUNTERED.

NOTES:

- PERMANENT CASINGS ARE NOT ALLOWED FOR DRILLED SHAFT FOUNDATIONS.
- USE PREFORMED JOINT FILLER BETWEEN THE FOUNDATION AND SIDEWALK OR OTHER CONCRETE AREAS.
- COLD CONCRETE CONSTRUCTION JOINTS ARE NOT PERMITTED.
- PROVIDE CONCRETE IN ACCORDANCE WITH SPEC. 2461, MIX 3G52.
- (EF) DENOTES EACH FACE.
- (1) 1/2" AND 3" SERVICE CONDUITS. HOWEVER, IF DMS IS MOUNTED ON THE SPAN, FURNISH & INSTALL CONDUIT PER PLAN.
- (2) SEE STANDARD PLAN 5-297.763 FOR ANCHOR ROD ASSEMBLY DETAILS.
- (3) FORM A MINIMUM OF 6" BELOW THE GROUND SURFACE. BACKFILL AND TAMP THE EXCAVATIONS REQUIRED FOR FORMING IN ACCORDANCE WITH SPEC. 2106.3.F.2. BACKFILL MATERIAL AND COMPACTION WILL BE EQUIVALENT TO THE SURROUNDING MATERIAL.
- (4) EXCAVATE TO NEAT LINES AND PLACE CONCRETE AGAINST UNDISTURBED SOIL.
- (5) BEND AS REQUIRED TO FORM A CLOSED LOOP.
- (6) MAKE SPLICES WHERE NECESSARY BY A LAP OF 1/2 TURNS.
- (7) SEE SIGNING PLANS FOR REQUIRED DRILLED SHAFT LENGTH.
- (8) USE FORMULA TO CALCULATE LENGTHS.