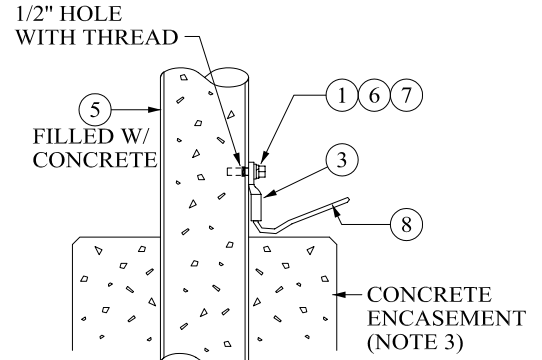
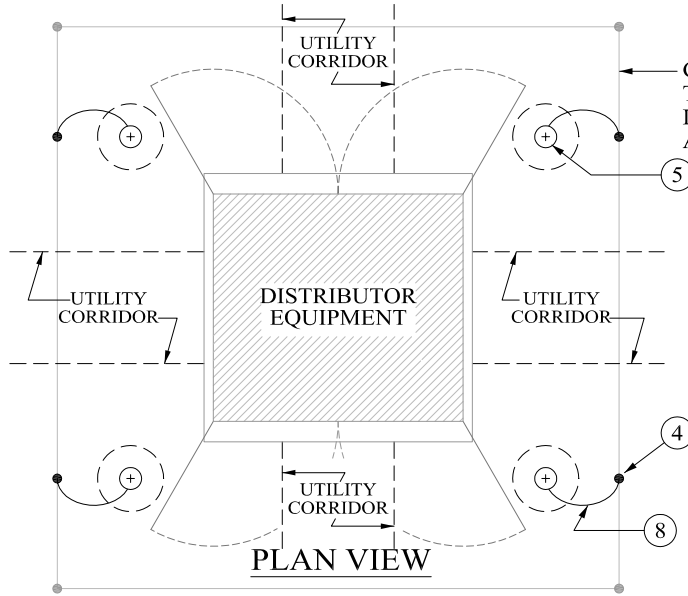


METRIC

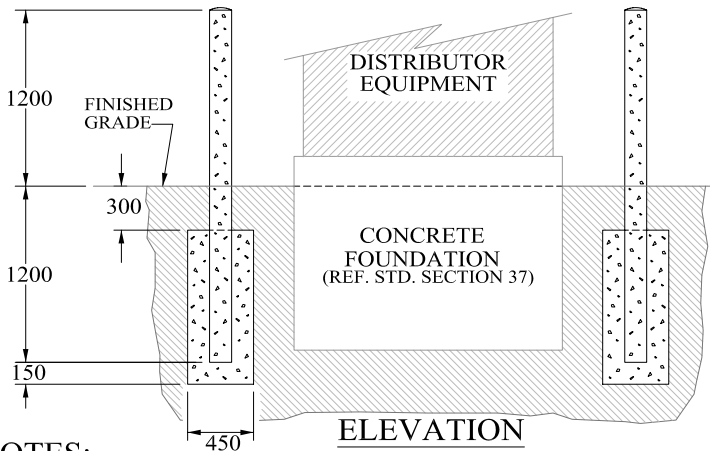
LINEAR DIMENSIONS SHOWN IN MILLIMETRES

37-318

R1 (MAR 2005)



DETAIL 1
(GROUNDING)



BILL OF MATERIALS			
Item #	Description	Qty	Part No.
1	BOLT, HEX HEAD, 1/2" x 1-1/2"	1 / post	N/A
2	CEMENT, CONCRETE	++	N/A
3	CONNECTOR, LUG, 2/0 AWG Cu, 1-HOLE	1 / post	800-A1526
4	CONNECTOR, GROUND, STUD, SPLIT BOLT	1 / post	N/A
5	POST, GUARD, GALV, STEEL, 150mm DIA x 2.4mm x 6mm THICK	++	N/A
6	WASHER, ROUND, FLAT, 1/2"	1 / bolt	N/A
7	WASHER, SPLIT, FOR 1/2" BOLT	1 / bolt	N/A
8	WIRE, #2/0 AWG Cu	++	711-11140

++ - LENGTH/QUANTITY TO SUIT

NOTES:

1. GUARD POSTS SHALL BE 150 mm DIA. x 2.4 m LONG x 6 mm THICK GALVANIZED STEEL PIPE FILLED WITH CONCRETE.
2. LOCATION AND NUMBER OF GUARD POSTS SHALL BE DETERMINED AND FINALIZED BY DISTRIBUTOR'S FIELD INSPECTOR WITH THE FOLLOWING CRITERIA:
 - 2.1. SHALL ALLOW EQUIPMENT DOORS (INCLUDING SUB-COMPARTMENT'S DOORS) TO BE OPENED THROUGH THEIR FULL RANGE.
 - 2.2. SHALL ALLOW DISTRIBUTOR PERSONNEL UNIMPEDED ACCESS TO THE EQUIPMENT AND PERMIT COMPLETE AND SAFE OPERATION OF THE EQUIPMENT.
 - 2.3. 500 mm MINIMUM CLEARANCE BETWEEN THE GUARD POST'S CONCRETE ENCASEMENT AND THE UTILITY CORRIDOR.
 - 2.4. 100 mm MINIMUM CLEARANCE BETWEEN THE GUARD POST'S CONCRETE ENCASEMENT AND THE GROUND GRID.
3. THE GUARD POSTS SHALL BE CONCRETE ENCASED IN 20 MPa CONCRETE WITH 10 mm PEA GRAVEL AGGREGATE.
4. WHERE GUARD POSTS ARE INSTALLED IN BACKFILL OR DISTURBED EARTH, ENSURE BACKFILL MATERIAL IS THOROUGHLY COMPACTED.
5. GUARD POSTS SHALL BE PAINTED WITH "SAFETY-YELLOW" (CITY'S STANDARD). FOR PROPER ADHESION OF PAINT, GUARD POSTS MUST BE CLEANED (FREE FROM DIRT, GREASE/OIL AND EXHAUST FUMES) AND PRIMED PRIOR TO PAINTING. PRETREATMENT PRIMER MUST BE COMPATIBLE WITH GALVANIZED COATING, SUCH AS MODIFIED ACRYLIC WATER-BORNE PRIMERS. FOR HIGH ADHESION OF PAINT, BRUSH OR SWEEP BLAST THE GALVANIZED POSTS IMMEDIATELY PRIOR TO PAINTING. INCORRECT TECHNIQUE OF BLASTING MAY RESULT IN DAMAGES TO THE GALVANIZED COATING. THEREFORE IT IS HIGHLY RECOMMENDED THAT A PERSON WITH EXPERTISE AND ABILITY TO FOLLOW STRICT PRETREATMENT REQUIREMENTS AND PROCEDURES BE USED.

TYPICAL GUARD POST INSTALLATION