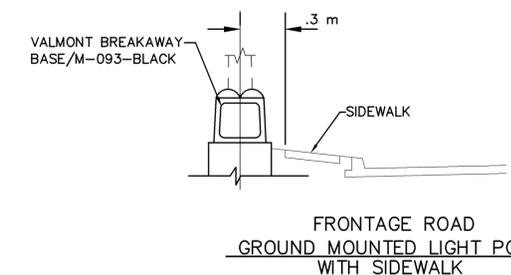
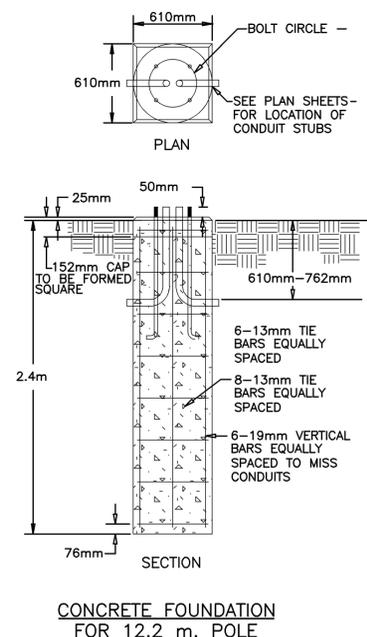
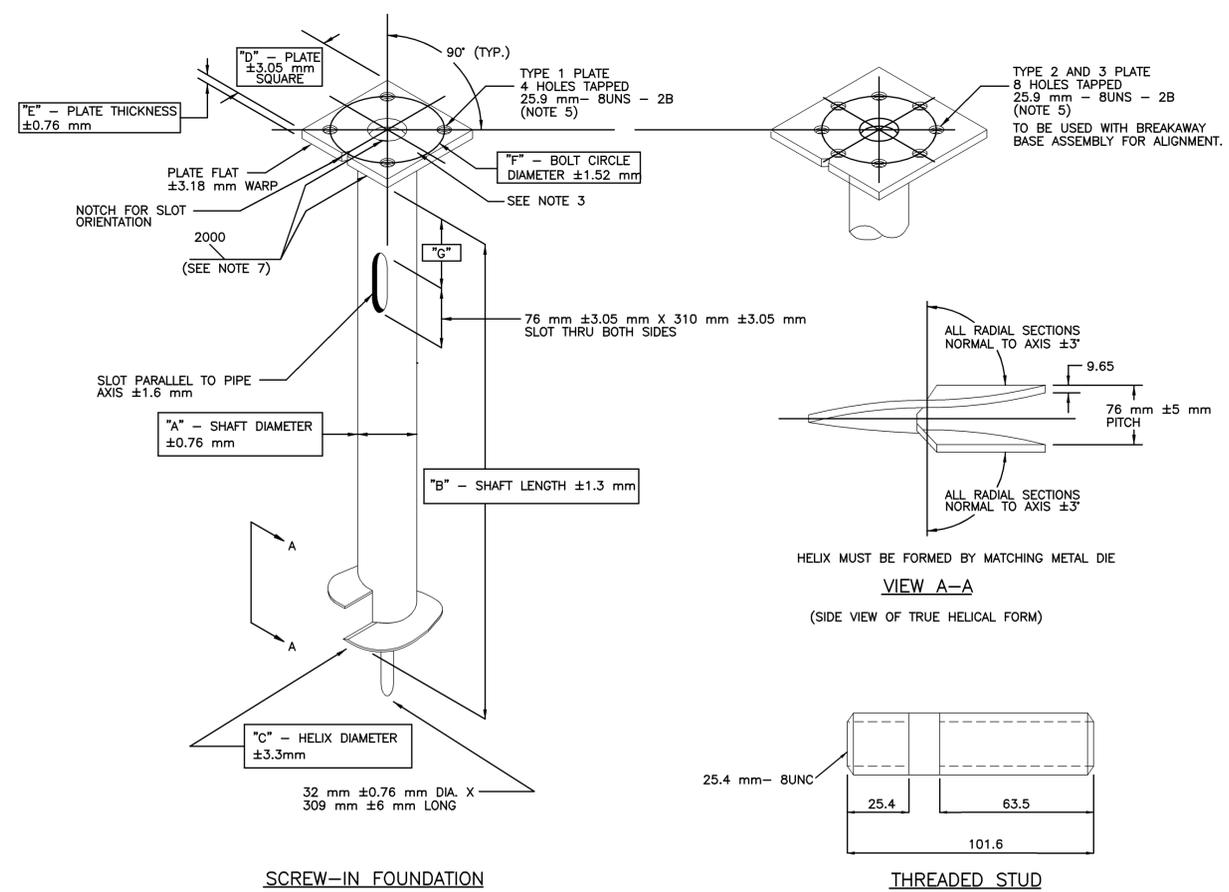


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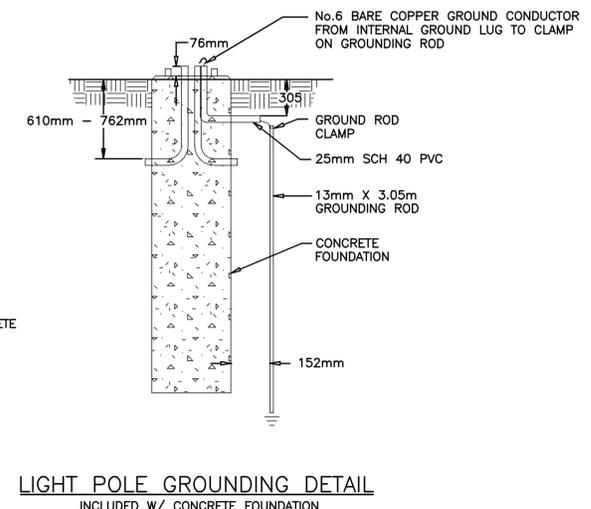
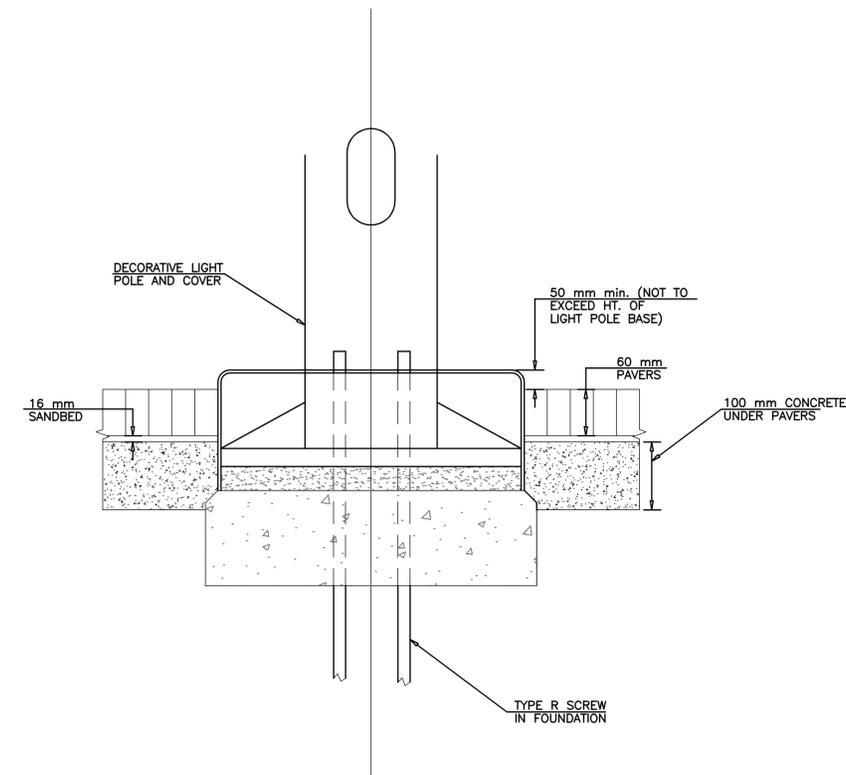


TYPE	POLE TYPE(S)	MAXIMUM TORQUE RATING (Pa)	A SHAFT DIA. (mm)	B SHAFT LENGTH (mm)	C HELIX DIA. (mm)	D PLATE SIZE (mm)	E PLATE THICKNESS (mm)	F BOLT CIRCLE (mm)	G SLOT LOCATION (mm)
R	4.3m SINGLE	718,204	152	1 219	305	254	19	241	305
T1	9.1m SINGLE ARM	718,204	152	1 524	305	305	25	267	457
T2	9.1m DOUBLE ARM	718,204	152	1 524	305	305	25	292	457
F1	12.2m SINGLE ARM	957,605	203	1 524	356	305	25	292	457
F2	12.2m DOUBLE ARM	957,605	203	1 524	356	381	32	368	457

- NOTES:**
- FINISH: HOT DIP GALVANIZE PER ASTM-A153 (LATEST REVISION).
 - BASEPLATE TO BE PERPENDICULAR TO SHAFT AXIS (±1°) AND HOLE AND CONCENTRIC (±4.78 mm I.D. FIM) TO SHAFT AXIS.
 - ALL BASES SHALL BE IDENTIFIED BY THE MANUFACTURER'S INITIALS AND THE ANCHOR TYPE (1,2 & 3) PERMANENTLY STAMP INTO THE TOP PLATE WITH 13 mm LETTERS. THE DATE OF MANUFACTURE SHALL BE PERMANENTLY STAMPED IN 6.5 mm NUMERALS.
 - PILOT POINT AND SHAFT AXES TO BE CONCENTRIC (±3.19 mm FIM) AND IN LINE (±2°).
 - TAP 13 mm HOLES ON THE SPECIFIED BOLT CIRCLE PERPENDICULAR TO THE BASEPLATE. CLEAN AND CHASE THE THREADS AFTER HOT-DIP GALVANIZING SO THAT A BOLT MAY BE HAND INSTALLED.
 - PREHEAT (ROOM TEMPERATURE 21°C), TUMBLEBLAST, HANDGRIND, AND CLEAN BASEPLATE, HELIX, AND CORE ON ALL WELD AREAS.
 - FLAMECUT IRREGULARITIES PERMISSIBLE:
 - VALLEYS NOT TO EXCEED 2.38 mm BELOW NOMINAL SURFACE LEVEL.
 - PEAKS OR POSITIVE IRREGULARITIES NOT TO EXCEED 0.79 mm ABOVE NOMINAL SURFACE LEVEL OR INTERSECTIONS OF NOMINAL SURFACES.
 - MANUFACTURER TO HAVE IN EFFECT INDUSTRY RECOGNIZED WRITTEN QUALITY CONTROL FOR ALL MATERIALS AND MANUFACTURING PROCESSES.
 - ALL MATERIAL IS TO BE NEW, UNUSED AND MILL TRACEABLE MEETING THE FOLLOWING SPECIFICATIONS:

BASEPLATE:	ASTM A36-(LATEST REVISION) HOT ROLLED STEEL PLATE
SHAFT:	STEEL PIPE PILES, SEAMLESS OR STRAIGHT WELDED, GRADE 2 PER ASTM A252. ALTERNATE MATERIAL PIPE TYPE E OR S, GRADE B PER ASTM A53.
HELIX:	ASTM A635-(LATEST REVISION) HOT ROLLED STEEL PLATE
PILOT POINT:	ASTM A575-(LATEST REVISION) HOT ROLLED STEEL AISI C 1045 HOT ROLLED STEEL.
STUD:	SPECIAL 25 mm DIAMETER HOT DIP GALVANIZED STUD THREADED AT BOTH ENDS. STUD SHALL INCLUDE ONE HEX NUT AND ONE EACH LOCK AND FLAT WASHER FOR THE TYPE 1 SCREW-IN FOUNDATION.
 - ALL 9.1 METER AND 12.2 METER ALUMINUM LIGHT POLES SHALL BE FURNISHED WITH PRECISION FORM PFI-200-1 BREAKAWAY COUPLING ASSEMBLIES.
 - THE DESIGN AND PERFORMANCE INTEGRITY OF THE FOUNDATION SHALL BE VERIFIED BY FULL-SCALE TESTS BY QUALIFIED ENGINEERS INDEPENDENT OF THE MANUFACTURER. CERTIFIED TEST REPORTS SHALL BE PROVIDED UPON REQUEST.
 - FLAME CUT NOTCH OR PROJECTION WILL BE ON BASE PLATE TO INDICATE SLOT ORIENTATION.

- NOTES:**
- LIGHT POLE FOUNDATIONS FOR LIGHT POLES ALONG THE NORTH AND SOUTH FRONTAGE ROADS SHALL BE TYPE F1.
 - THE CONTRACTOR SHALL CONFIRM LIGHT POLE FOUNDATION TYPE AND DETAILS WITH THE ENGINEER AND WESTAR ENERGY BEFORE ORDERING EQUIPMENT.



Drawn by: SCALE
File: M224
Plotted: