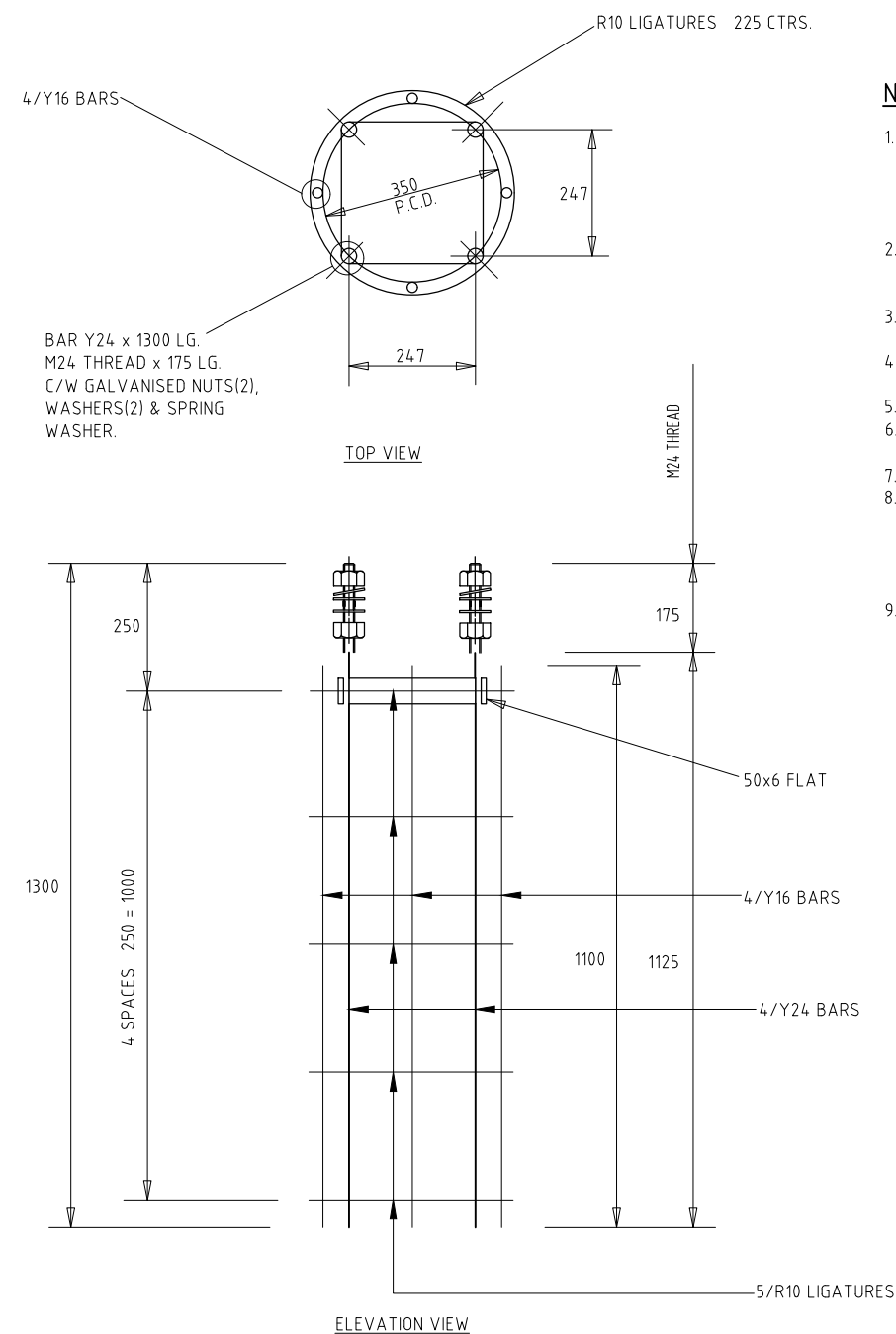


ITEM 1 - RAG BOLT REINFORCEMENT ASSEMBLY - TYPE 5



ITEM 2 - RAG BOLT REINFORCEMENT ASSEMBLY - TYPE 9

NOTES:

1. THE DESIGN IS INDICATIVE ONLY AND THE BELOW REQUIREMENTS ARE MINIMUM REQUIREMENTS. POLE MANUFACTURER / SUPPLIER TO DESIGN POLE, FOOTINGS AND ALL ATTACHMENTS IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS BELOW AND PROVIDE DESIGN DRAWINGS AND NT SECTION 40 STRUCTURAL DESIGN CERTIFICATION.
2. OVERALL FOOTING DESIGN TO BE UNDERTAKEN BASED ON LOADS CALCULATED FOR THE POLE, OUTREACH AND ATTACHMENTS IN ACCORDANCE WITH THESE STANDARD DRAWINGS, AND AS REQUIRED FOR SITE SPECIFIC GEOTECHNICAL CONDITIONS.
3. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3679 Pt1 AND AS 1302.
4. ALL WELDING AND WELD PREPARATION TO BE TO AS1554. FILLET WELDS TO BE 6mm UNLESS NOTED OTHERWISE.
5. 50x6 FLAT BAR TO BE WELDED TO RAG BOLTS ONLY.
6. RAG BOLTS SHALL BE GRADE 500N DEFORMED BARS. MINIMUM 175mm THREAD (TO AS1275) SHALL BE CUT IN TO DEFORMED BARS.
7. PITCH CIRCLE DIAMETER (P.C.D.) OF RAG BOLTS IS CRITICAL.
8. THE 175mm THREADED SECTION OF THE RAG BOLTS TOGETHER WITH THE ASSOCIATED NUTS AND WASHERS SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH AS 2312. NUTS AND WASHERS SHALL BE GRADE 8.8 AND AFTER GALVANISING BE FIRM FITTING ON THE THREADED SECTION OF THE RAG BOLTS -IN ACCORDANCE WITH AS 1112, AS 1237 AND AS 1252, AS APPROPRIATE
9. THIS DESIGN OF RAG BOLT REINFORCEMENT FOUNDATION IS BASED ON SOIL WHICH HAS A SHEAR STRENGTH OF NOT LESS THAN 200kPa i.e., COMPACT MEDIUM CLAY, WELL BONDED SANDY LOAM, BONDED SAND AND GRAVEL WITH REASONABLE SURFACE WATER DRAINAGE (OR BETTER CONDITIONS THAN DESCRIBED). ANY SOIL CONDITIONS HAVING A SHEAR STRENGTH OF LESS THAN 200kPa i.e., SOFT CLAY, POOR COMPACTED SAND AND SOILS THAT TEND TO ABSORB LARGE AMOUNTS OF WATER, WILL REQUIRE SPECIAL FOUNDATION DESIGN OF LARGER DIMENSION.

TYPE APPLICATION:

- ITEM 1: TYPE 5 - FOR USE WITH 5.5 METRE POST TOP TAPERED STEEL COLUMNS.
ITEM 2: TYPE 9 - FOR USE WITH 6.5 METRE AND 9.0 METRE TAPERED STEEL COLUMNS WITH OUTREACH ARMS.


REFERENCE DRAWINGS:

SS5008 - RAG BOLT REINFORCEMENT FOOTING ARRANGEMENTS
SS5009 - RAG BOLT REINFORCEMENT BAR - DEFORMED

SCALE: N.T.S.

0	ISSUED AS A STANDARD DRAWING	AUG 2020	CJ	AF
No.	DESCRIPTION	DATE	INIT.	DEPT/COMPANY.
AMENDMENTS				

DRAWN C J	CHECKED PB
DATE AUGUST 2020	DATE AUGUST 2020
DESIGNED C J	CHECKED PB
DATE AUGUST 2020	DATE AUGUST 2020
DESIGN PROJECT LEADER PB	NTG PROJECT MANAGER N/A
DATE AUGUST 2020	DATE AUGUST 2020



SUBDIVISION DEVELOPMENT GUIDELINES STANDARD DRAWINGS LIGHTING				
TYPE 5 AND TYPE 9 RAG BOLT REINFORCEMENT REINFORCEMENT TYPICAL DETAILS				
NTG PROJECT No. -	NTG ASSET No. -	SHEET No. 07 OF 16	NTG DRAWING No. SS5006	AMENDMENT 0
			SHEET SIZE A1	