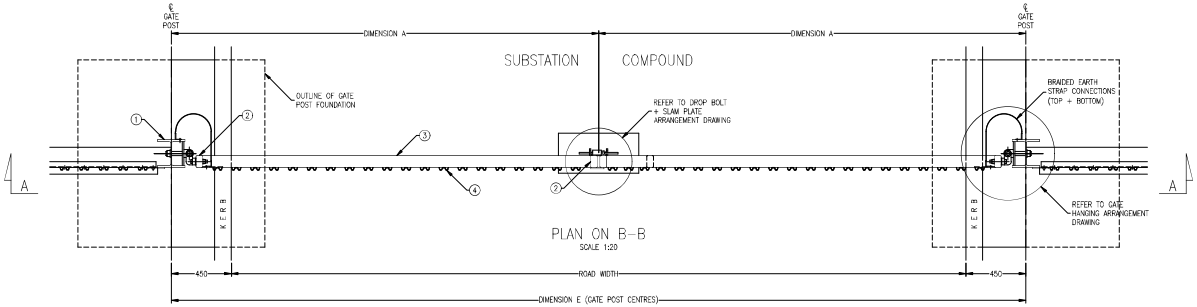
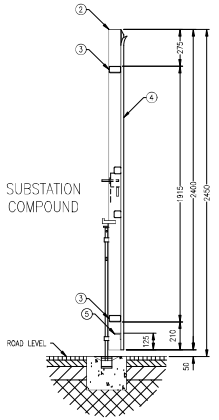
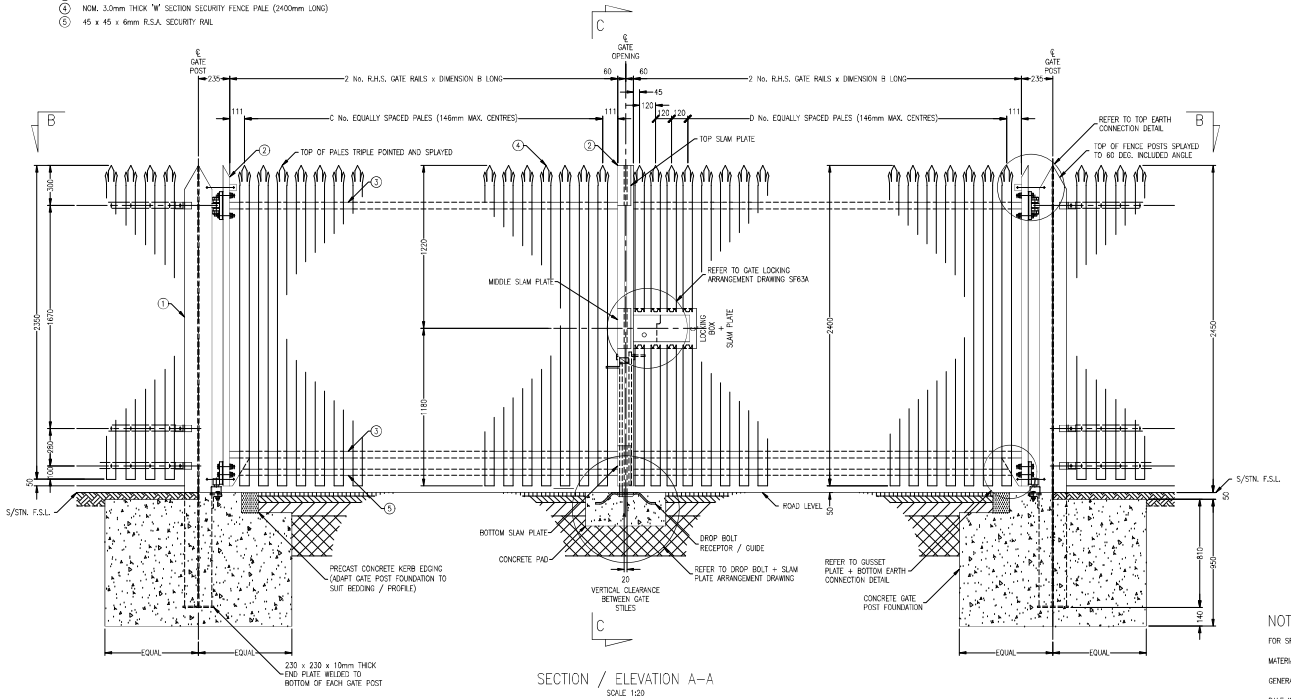


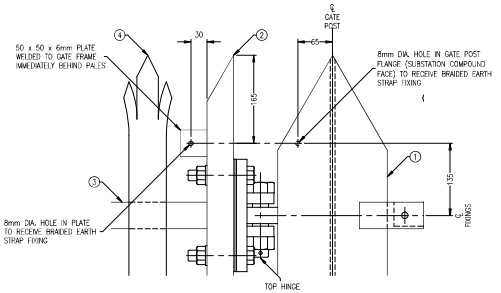
ROAD WIDTH (m)	A (mm)	B (mm)	C (No.)	D (No.)	E (mm)	OPENING DIRECTION	GATE HANGING ARRANGEMENT (DRG. REF.)	DROP BOLT + SLAM PLATE ARRANGEMENT (DRG. REF.)	GATE POST FOUNDATION PLAN SIZE (m)
5.500	3200	2905	20	18	6400	INWARD	SF71A	SF65A	1.400 x 1.400
						OUTWARD	SF71B	SF65B	
5.000	2950	2655	18	16	5900	INWARD	SF71A	SF65A	
						OUTWARD	SF71B	SF65B	
4.500	2700	2405	16	14	5400	INWARD	SF71A	SF65A	1.300 x 1.300
						OUTWARD	SF71B	SF65B	
4.000	2450	2155	15	13	4900	INWARD	SF71A	SF65A	1.250 x 1.250
						OUTWARD	SF71B	SF65B	
3.500	2200	1905	13	11	4400	INWARD	SF71A	SF65A	1.200 x 1.200
						OUTWARD	SF71B	SF65B	
3.000	1950	1655	11	9	3900	INWARD	SF71A	SF65A	0.900 x 0.900
						OUTWARD	SF71B	SF65B	

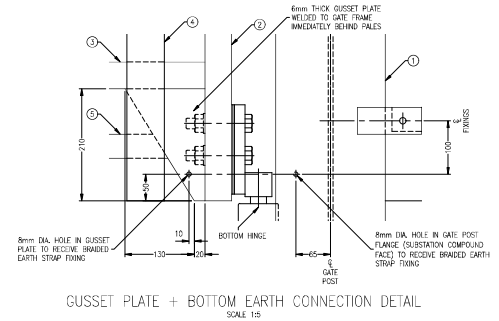
GATE COMPONENTS:

1. 203 x 203 x 60kg/m U.C. GATE POST (3300mm LONG)
2. 90 x 50 x 3.6mm R.H.S. GATE STILE (2450mm LONG)
3. 90 x 50 x 3.6mm R.H.S. GATE RAIL (DIMENSION B LONG)
4. NOM. 3.0mm THICK 'W' SECTION SECURITY FENCE PALE (2400mm LONG)
5. 45 x 45 x 6mm R.S.A. SECURITY RAIL









NOTES:

FOR SPECIFICATION SEE WPD COMPANY DIRECTIVE – ENGINEERING SPECIFICATION – EE SPEC : 20

MATERIAL : MILD STEEL GRADE S235JR – TO BS EN 10025–2

GENERAL WELDING: MIN. 5mm FILLET WELDS THROUGHOUT – TO BS EN 1011

PALE WELDING: MIN 3mm FILLET WELDS AT CONTACT POINTS WITH GATE FRAME AND SECURITY RAIL (FOR ALTERNATIVE NON–WELDED ARRANGEMENTS REFER TO EE SPEC : 20)

FINISH TO STEEL COMPONENTS: HOT DIP GALVANISED TO BS EN ISO 1461 AFTER FABRICATION (INCLUDING ALL WELDING AND PUNCHING OR DRILLING OF HOLES)

SMALL AREAS OF DAMAGE TO HOT DIPPED GALVANISED COATING: REPAIR USING LOW MELTING POINT ZINC ALLOY REPAIR RODS OR POWDERS IN ACCORDANCE WITH BS 1722–12 – CLAUSE 5.9 / BS EN 1461

DAMAGE TO HOT DIPPED GALVANISED COATING ON BOLT HEADS AND THREADS: WIRE BRUSH AND REPAIR USING APPROVED ZINC RICH PAINT IN ACCORDANCE WITH BS 1722–12 – CLAUSE 5.9 / BS EN 1461 / BS EN 4652

CONCRETE FOR GATE POST FOUNDATIONS: GRADE FND3 (20mm AGGREGATE SIZE)

CONCRETE FOR KERB BEDDING / HAUNCHING: GRADE FND3 (10mm AGGREGATE SIZE)

ASCERTAIN POSITION AND DEPTH OF ELECTRICITY, GAS, WATER OR OTHER UNDERGROUND SERVICES PRIOR TO COMMENCEMENT OF EXCAVATION, DRILLING OR ERECTION IN THE WORKING AREA

Rev	Drawn	Chk'd	App'd	Date	Revision Note
5	PAS	KH	SW	25.10.16	LOCKING BOX ELONGATED BY 120mm. DRAWING RENUMBERED SFGA 22
4	KH			APR 12	BRAIDED EARTH STRAP CONNECTIONS ADDED
3	KH			JAN 11	LOCKING BOX AMENDED
2	KH			NOV 10	DRAWING RENUMBERED TO VERSION SFGA 22A
1	KH			JUL 09	REDRAWN IN ALIGNMENT WITH NGED SPECIFICATION – EE SPEC: 20

nationalgrid Electricity Distribution

Engineering Design Department (East Midlands)
Pegasus Business Park, Castle Donington, DE74 2TU.

Title: DETAILS OF STANDARD 2.4m DOUBLE LEAF SECURITY PALISADE GATES

Scale: AS SHOWN @A1 | Drg. No. SFGA22 | Rev No. 5

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