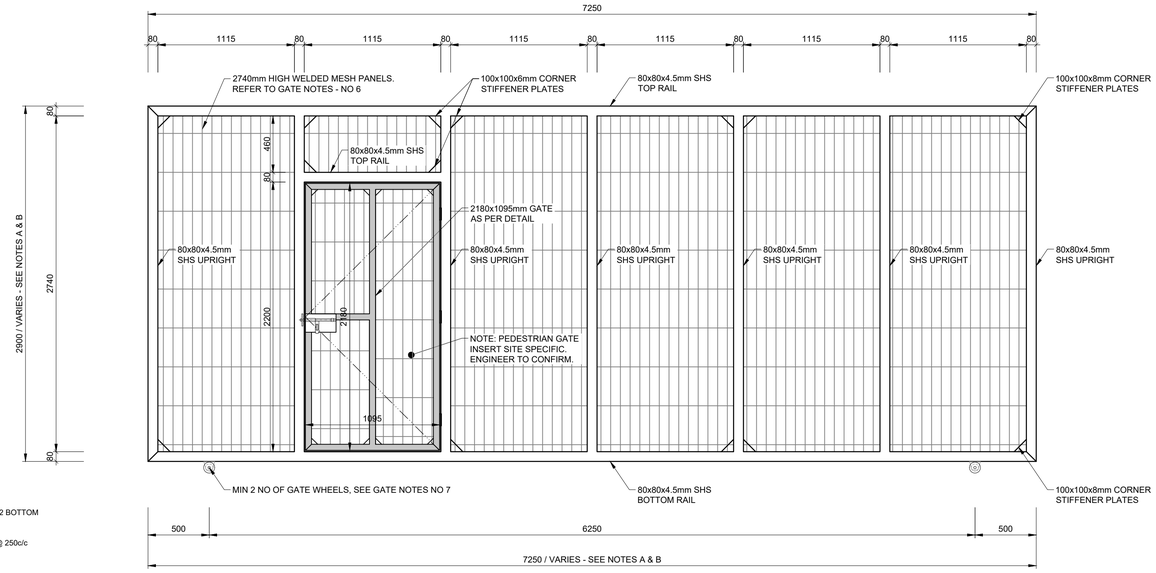
STEEL SCHEDULE NOTE:
- STEEL SCHEDULE FOR 13780x400x300mm BEAM GB1 SPECIFICALLY.
- THESE DIMENSIONS VARIES - SEE NOTES A & B

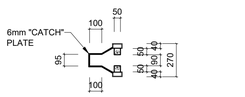
WAPENING / REINFORCEMENT					STANDAARD-BUIGINGS / STANDARD BENDINGS						
MERK MARK	TIPE TYPE	AANTAL NO. OF	TOTAAL TOTAL	LENGTE LENGTH	KODE CODE	A	B	C	D	GEWIG MASS	
ENTRANCE GATE GROUND BEAM REINFORCING											
GROUND BEAM GB1 - 300x400											
001	Y16	3 x 4	12	5200	20	5200					2 TOP / 2 BOTTOM
002	Y10		56	1100	60	300	200				LINKS @ 250c/c

STEEL SCHEDULE

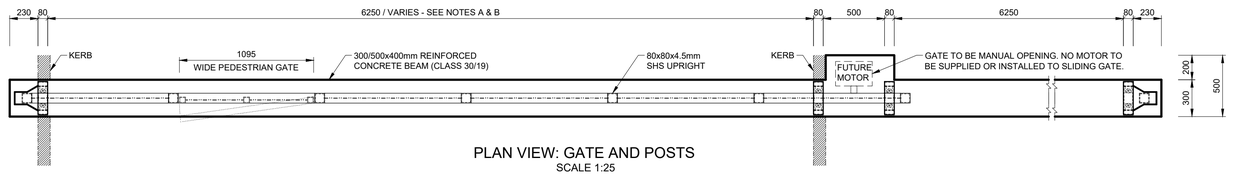


ELEVATION ON GATE
SCALE 1:25

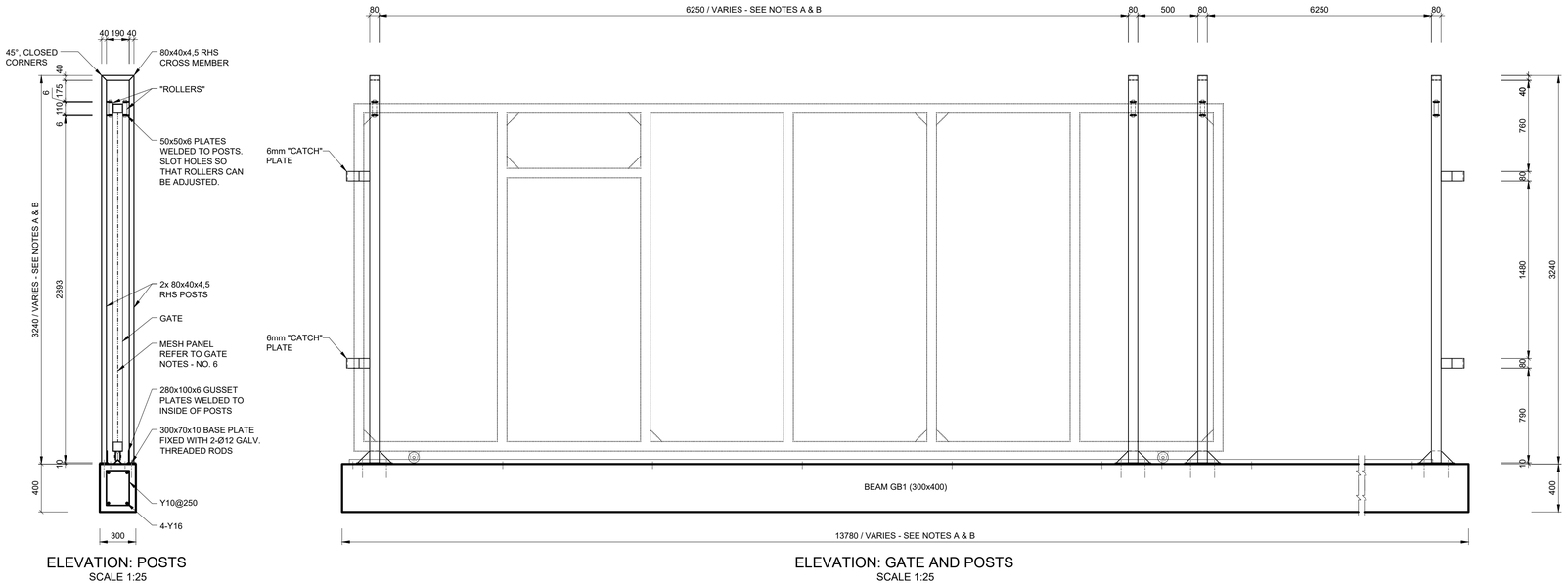
GATE NOTES:
1. GATE TO BE MANUAL OPENING. NO MOTOR TO BE SUPPLIED OR INSTALLED TO SLIDING GATE.
2. SLIDING GATE & PEDESTRIAN GATE - ALL MEMBERS TO BE WELDED.
3. SUITABLE GALVANIZED INDUSTRIAL HEAVY DUTY HINGES (3 OFF) TO PEDESTRIAN GATE.
4. INDUSTRIAL HEAVY DUTY CLOSING MECHANISM WITH VANDALISM PROOF LOCKING PLATES TO BE PROVIDED FOR BOTH SLIDING AND PEDESTRIAN GATE.
5. SEE DRAWING 10515036-C-604 FOR PEDESTRIAN GATE DETAIL.
6. MEDIUM SECURITY MESH TO BE FIXED TO GATE FRAME BY SUPPLIER (METHOD OF FIXING TO BE SHOWN ON WORKSHOP DRAWINGS FOR APPROVAL PROJECT ENGINEER). GALVANIZED (OR BETTER APPROVED COATING) WELDED WIRE MESH WITH MAX 75mm x 26mm APERTURES AND MIN MESH WIRE DIAMETER OF 4mm VERTICAL AND 3mm HORIZONTAL.
7. PROVIDE MIN 2 NO OF GATE WHEELS FOR GATE, 80mm DIAMETER, V-SHAPED COMPLETE WITH BEARINGS FITTED AND ROLLER GUIDES. MANUFACTURE FROM CARBON STEEL OR BETTER APPROVED WITH MINIMUM LOAD BEARING CAPACITY PER WHEEL OF 300 kg



PLAN VIEW: CATCH PLATE
SCALE 1:25

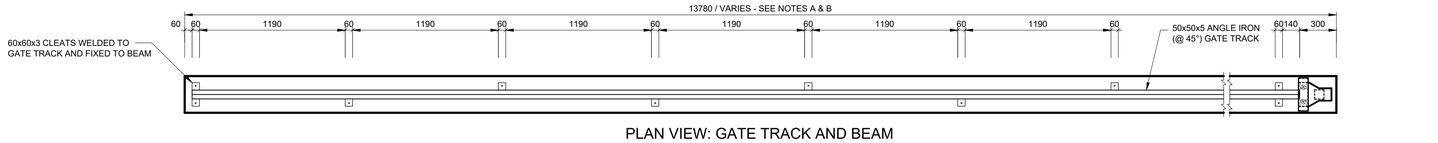


PLAN VIEW: GATE AND POSTS
SCALE 1:25



ELEVATION: POSTS
SCALE 1:25

ELEVATION: GATE AND POSTS
SCALE 1:25



PLAN VIEW: GATE TRACK AND BEAM
SCALE 1:25

GENERAL NOTES:

A. HEIGHT OF WALL IS SITE SPECIFIC. APPOINTED CONSULTING ENGINEER TO CONFIRM DIMENSIONS , INCLUDING BASE DIMENSIONS.
B. TYPICAL DETAIL ISSUED FOR TENDER PURPOSES ONLY. THE APPOINTED DESIGN ENGINEER/CONSULTING ENGINEER IS TO CHECK ALL DESIGN DIMENSIONS AND REINFORCING REQUIREMENTS, TAKING INTO ACCOUNT GEOTECHNICAL CONDITIONS AND ENSURING COMPLIANCE WITH SANS 10400.
C. PEDESTRIAN GATE INSERT SITE SPECIFIC. ENGINEER TO CONFIRM.
D. ELECTRIC MOTOR AND INSTALLATION EXCLUDED FROM TENDER CONTRACT UNLESS OTHERWISE AGREED TO IN WRITING BY CITY OF CAPE TOWN PROJECT MANAGER.

NOTES:

1. CONCRETE STRENGTH: 30 MPa AT 28 DAYS.
2. COARSE AGGREGATE : 13mm.
3. REINFORCING COVER : 40mm.
4. PROPER CONCRETE SPACERS TO BE USED.
5. REINFORCING LAP LENGTH = 50 x Ø.
6. NO CONCRETE TO BE CAST WITHOUT THE APPROVAL OF THE ENGINEER.

STEEL NOTES:

1. STEEL WORK ACCORDING TO SANS 2001 CSI.
2. STRUCTURAL STEEL GRADE S355JR ACCORDING SANS 431.
3. WELDING ACCORDING TO SABS 044.
4. ALL BOLTS Grade 8.8 HOT DIPPED GALVANIZED WITH WASHERS (NO ZINC ELECTROPLATED ACCEPTED)
5. STEELWORK TO BE HOT DIP GALVANIZED TO SANS 121 (ISO 1461)
6. WELDING: EDGES TO BE PROPERLY PREPARED ALL ROUND AND 8-10mm FILLET WELD TO BE USED ALL ROUND.
7. SHOP DRAWINGS MUST BE SUPPLIED TO THE ENGINEER FOR APPROVAL PRIOR TO MANUFACTURING.
8. ALL DIMENSIONS HAVE TO BE CHECKED ON SITE PRIOR TO MANUFACTURING!

QUALITY CONTROL TESTS TO BE DONE

A. COMPACTION TESTS IN-SITU:
1. TROXLER TESTS REQUIRED SPREAD OUT OVER ALL NEW FLOOR AREAS, 1/50m² + 5 ADDITIONAL ONES
2. TEST POSITIONS TO BE DETERMINE BY THE ENGINEER.
3. TESTS TO BE PERFORMED BY A SANAS APPROVED LABORATORY.
4. ALL COMPACTION RESULTS TO BE SUPPLIED TO THE ENGINEER AND MUST BE APPROVED BY THE ENGINEER BEFORE CONTINUING WITH THE SUBSEQUENT LAYERS.

B. CONCRETE CUBE TESTS:
1. 1 SET OF CUBES (3) REQUIRED FOR EVERY 30m³ (5 TRUCKS) OF CONCRETE PLACED.
2. SAMPLES TO BE TAKEN FROM DIFFERENT BATCHES AND RANDOMLY CHOSEN.
3. AT LEAST ONE SAMPLE SHALL BE TAKEN FROM EACH DAY'S PLACING OF DIFFERENT GRADES OF CONCRETE.
5. TESTS TO BE PERFORMED BY A SANAS APPROVED LABORATORY.
6. ALL CONCRETE TEST CUBES MUST BE SUPPLIED TO THE ENGINEER WITHIN 7 DAYS OF REACHING AGE (7 AND 28 DAYS) FOR APPROVAL.

FOR TENDER

0 100
100 MILLIMETRES ON ORIGINAL DRAWING

A BEFORE CONTRACT COMMENCES
A AFTER CONTRACT HAS COMMENCED

Nr.	DATE	AMENDMENTS
A	2020-10-15	MATERIAL SPECIFICATION UPDATE
B	2020-11-18	MATERIAL SPECIFICATION UPDATE

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CLIENT

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PROJECT

SUPPLY, INSTALLATION & MAINTENANCE OF PRECAST PERIMETER WALL FOR CITY OF CAPE TOWN FACILITIES.

DRAWING DESCRIPTION

TYPICAL DETAIL: SLIDING GATE WITH IN-SET PEDESTRIAN GATE OPTION

DRAWING NO.

10515036-C-602 | B

DESIGNED:	DT		CHECKED: DT	
DRAWN:	KS		SCALE: AS SHOWN	A1
APPROVED:			DATE: 2020-10-15	
FILE PATH:	Sharepoint \Cape Town - 10515000_CoCT\WP195_Bishops Lavis Sport Ground_10515036\ 05 Constr\01 Office\05 Draw			