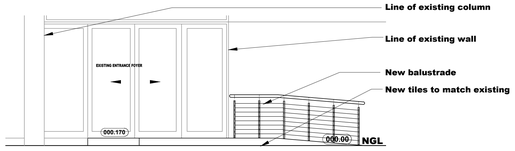
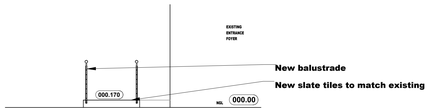
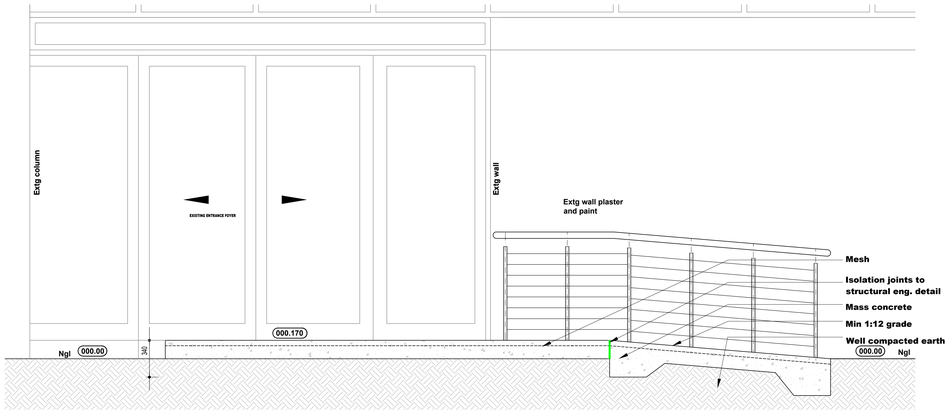


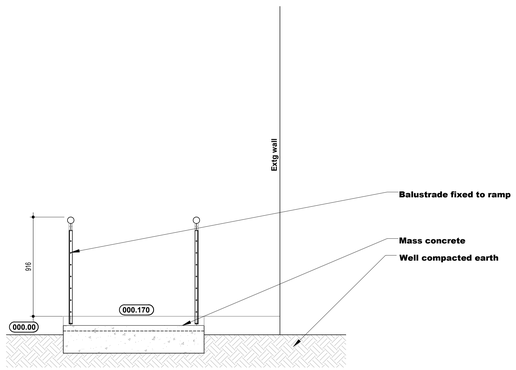
SOUTH ELEVATION
1:50



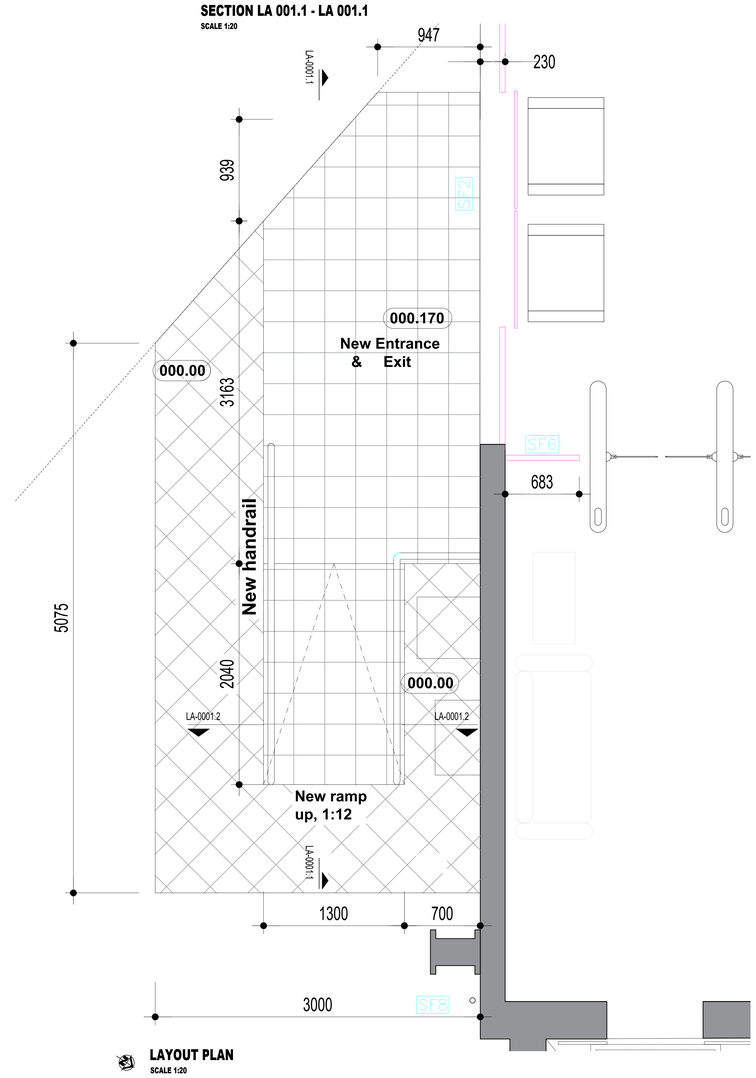
WEST ELEVATION
SCALE 1:50



SECTION LA 001.1 - LA 001.1
SCALE 1:20



SECTION LA 001.2 - LA 001.2
SCALE 1:20



LAYOUT PLAN
SCALE 1:20

CONSTRUCTION NOTES:

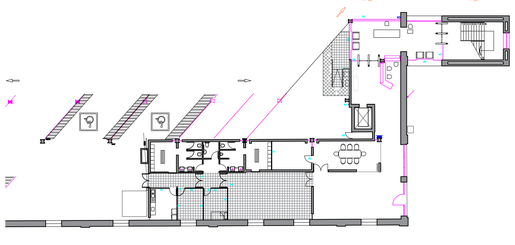
RAMP
340MM MASS CONCRETE WITH BRC MESH RE-INFORCING REF 193 USED 30MM FROM TOP OF SLAB TO ENGINEERS DETAILS.
RAMP TO BE INSTALLED ON WELL RAMMED AND COMPACTED EARTH.
CONCRETE TO BE 28MPA STRENGTH.
BROOM FINISH TO BE ACHIEVED TO RAMP AND LANDING.
GRADE TO BE MIN 1 : 12.
PROVIDE 300 X 300 BLUE SLATE TILES TO ALL EXPOSED SIDES OF RAMP.
TILES TO BE SEALED AND POLISHED AS PER MANUFACTURES INSTRUCTION.
TILES TO BE INSTALLED AND GROUTED AS PER MANUFACTURERS INSTRUCTION.

BALUSTRADES
TO COMPLY WITH SANS 10400 PART S.
SEE DETAILS FOR SPECIFICATION.
ALL BALUSTRADES TO MATCH EXISTING.
CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR APPROVAL PRIOR TO MANUFACTURE OF BALUSTRADE.

DAMAGED/MISSING SLATE TILES
TILES ARE TO BE REPLACED WITH A LIKE-FOR-LIKE 300MM X 300MM X 19MM SEALED & TREATED SLATE TILES, ALLOWING FOR A MAXIMUM OF 1 SQUARE METER. PRIOR TO INSTALLATION, A SAMPLE MUST BE SUBMITTED TO THE ARCHITECT FOR APPROVAL. THE MATERIAL MUST BE SOURCED FROM AN APPROVED MANUFACTURER AND INSTALLED BY AN APPROVED MANUFACTURERS INSTALLER STRICTLY ACCORDING TO THEIR INSTRUCTIONS . IT IS CRITICAL THAT ALL REPLACEMENT MATERIALS ARE FROM THE SAME BATCH TO ENSURE A PERFECT COLOR AND TEXTURE MATCH.

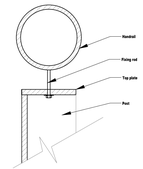
NEW SLATE TILES
SUPPLY & INSTALL 300MM X 300MM X 19MM SLATE FLOOR TILES TO MATCH EXISTING, TO BE SEALED & TREATED SLATE TILES. PRIOR TO INSTALLATION, A SAMPLE MUST BE SUBMITTED TO THE ARCHITECT FOR APPROVAL. THE MATERIAL MUST BE SOURCED FROM AN APPROVED MANUFACTURER AND INSTALLED BY AN APPROVED MANUFACTURERS INSTALLER STRICTLY ACCORDING TO THEIR INSTRUCTIONS . IT IS CRITICAL THAT ALL REPLACEMENT MATERIALS ARE FROM THE SAME BATCH TO ENSURE A PERFECT COLOR AND TEXTURE MATCH.

TERRAZZO TILE
SUPPLY & INSTALL TERRAZZO TILES (300MM X 400MM X 35MM, 68.25 KG/M 2, 12.5 UNITS/M 2) IN A STRETCHER BOND PATTERN, MEETING HIGH-PERFORMANCE CRITERIA ESSENTIAL FOR THE BASEMENT PARKING LOCATION'S HIGH FOOT TRAFFIC AREAS, REQUIRING A WEAR RESISTANCE OF PEI CLASS 5 (OR EQUIVALENT) AND A MINIMUM ANTI-SLIP RATING OF R11 OR PTV ≥45 TO ENSURE PEDESTRIAN SAFETY IN A POTENTIALLY MOISTURE-PRONE ENVIRONMENT. THEY MUST STILL HAVE ROBUST COMPRESSIVE STRENGTH AND HIGH CHEMICAL RESISTANCE AGAINST CLEANING AGENTS AND INCIDENTAL SPILLS, AND MUST BE SECURED WITH A FINAL APPLICATION OF A HEAVY-DUTY PENETRATING SEALER; ALL INSTALLATION, MATERIALS, AND SPECIALIST WORK ARE STRICTLY SUBJECT TO THE APPROVAL OF THE MANUFACTURER'S SAMPLE PANEL AND CORRESPONDING DATA SHEET WHICH MUST AUTHENTICATE ALL SPECIFIED TECHNICAL PROPERTIES.

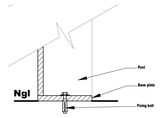


LOCALITY PLAN
SCALE 1 : 250

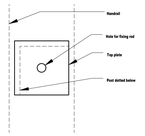
BALUSTRADE DETAILS



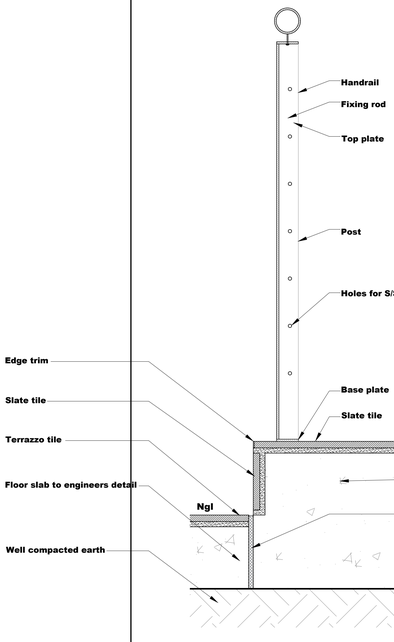
Section at handrail
SCALE 1:2



Section at base
SCALE 1:2



PLAN
Top Plate
SCALE 1:2



Typical Elevation
SCALE 1:5

BALUSTRADE NOTES:
Contractor to provide shop drawings for approval prior to manufacture of balustrade.

HANDRAIL
Ø60mm 2mm Thick polished stainless steel, grade 316

TOP PLATE
40 x 40 x 5mm GMS steel plate welded to post.
Provide hole for fixing rod.
Prepare and paint with 100% gloss enamel paint colour to match existing balustrades.

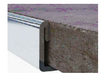
FIXING ROD
Stainless steel fixing rod to match existing.
Rod to be bolted to top plate and welded to handrail to match existing.

POST
40 x 40 x 5mm GMS angle iron.
Provide 6 holes for stainless steel cable.
Holes to be equally spaced.
Prepare and paint with 100% gloss enamel paint colour to match existing balustrades.

Stainless steel cables
Provide 6 Ø5mm stainless steel 16 core cable.
Cable to be plastic coated.
Cables to be fixed to end posts by contractor / to match existing balustrades.

BASE PLATE
40 x 40 x 5mm GMS steel plate welded to post.
Provide hole for fixing bolt / rawl bolt.
Rawl bolt to be epoxied into floor.
Prepare and paint with 100% gloss enamel paint colour to match existing balustrades.

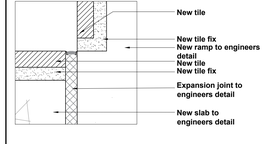
EDGE TRIM



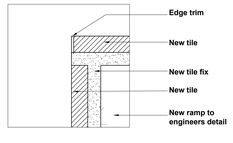
12mm high, Grade 316 stainless steel trim, sample & data sheet to be submitted for approval prior to installation, to be installed according to the manufacturer's instructions. Upon installation, all welds must be ground flush and polished, and a maintenance guide must be provided.

Construction notes :

1. STAINLESS STEEL :
   - All stainless steel to be polished
   - All stainless steel to be grade 316.
   - All stainless steel to be BA Finished.
   - Pickling and passivation to comply with SASSDA specification.
   - Nut, bolts and plates to be grade 316.
   - All welds to be fully sealed welds using TIG welding method only.
2. ALL OTHER STEEL
   - All steel to be mild steel , galvanised and painted.
   - All structural steelwork shall comply to SABS 1200H.
   - All structural steel to be Grade 300W according to SABS 431.
   - Ultimate tensile strength 450Mpa, minimum yield stress of 250 Mpa.
   - Unless otherwise noted all welds shall be 6mm fillet welds (fullp penetration), all round where possible.
   - All structural steel shall be hot-dip galvanised to SABS ISO 1461 - Old SABS 763
   - All metal surface defects such as laminations and welding spatter shall be removed by grinding and sharp edges, burrs, etc, shall be rounded before galvanising
   - The contractor must ensure adequate structural stability of the structure for the full duration of erection.
   - The contractor must confirm all dimensions on site. Discrepancies must be reported to the Architect immediately.
   - No holes may be formed/widened with the use of a cutting orch.
   - All painting to be done to Portnet's specification HE/9/2/8 and the manufacturer's instructions. Architect to verify colour.
   - Gritblasting to be in accordance with SABS 064 grade SA 2.5.
   - All steel is to be thoroughly cleaned down in accordance with SABS code of practice 064 of all rust, scale, oil or grease.
   - All bolts to grade 8.8 hot-dip galvanised.
   - The contractor is responsible for preparing shop details.
   - Contractor to supply shop drawings to engineer for approval before commencing with fabrication
   - The contractor shall satisfy himself that the engineer's drawings contain all the information required for the preparation of shop details as soon as possible.
   - Two copies of the shop details together with supporting calculations shall be submitted to the engineer for approval at least one month prior to fabrication.



Floor slab transition detail
SCALE 1:2



Typical edge detail
SCALE 1:2

NOTES

1. **DO NOT SCALE DRAWING - ONLY DIMENSIONS SHOWN TO BE USED.**
2. **THE CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS AND LEVELS ON THE SITE AND NOTIFY THE NEC SUPERVISOR OF ANY VARIATIONS BEFORE CONSTRUCTION.**
3. **ALL LEVELS ARE IN METERS TO MEAN SEA LEVEL**

REFERENCE DRAWINGS

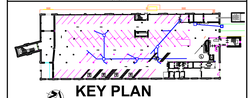
DRAWING NO.	REFERENCE
XDN.E.0037-100-A-GA-0001-01-0B	GENERAL ARRANGEMENT
XDN.E.0037-100-A-LA-0001-01-0B	RECEPTION, CEILING & DETAILS
XDN.E.0037-100-A-SC-0001-01-0B	GROUND FLOOR SCHEDULES

FOR TENDER

NO.	DESCRIPTION	BY	CHKD	APPD	DATE
0A	ISSUED FOR TENDER				

REVISIONS

This Document including all design and information therein is Confidential Intellectual Property of Transnet. Copyright and all other rights are reserved by Transnet. This Document may only be used for its intended purpose.



KEY PLAN
1:1250

CONTRACTOR / CONSULTANT

TITLE	NAME	SIGN	DATE
DRAWN	-		
CHECKED	-		
DESIGNED	-		
CHECKED	-		

PR.ENG. / PR.TECH./PR. ARCH

NAME	DATE
SIGNATURE	
REG. NUMBER	
TITLE	

TRANSNET NATIONAL PORTS AUTHORITY

TITLE	NAME	SIGN	DATE
DRAWN	ZZ		
CHECKED	AN		
DESIGNED	ZZ		
CHECKED	AN		

PR.ENG. / PR.TECH./PR. ARCH

NAME	MR. N. NAGAN	DATE
SIGNATURE		
REG. NUMBER		
SCALE		

TRANSNET

Transnet National Ports Authority

TRANSNET SOC Ltd : REG No. 1990/000900/30
(237 MAHATMA GANDHI RD, POINT, 4001)
(DURBAN) TEL: 031 361 1791

PROJECT / AREA / ASSET / SUBJECT/DRAWING TITLE

PORT OF DURBAN

REFURBISHMENT TO QUEENS WAREHOUSE ENTRANCE RAMP GROUND FLOOR

PAPER SIZE	TRANSNET DRV. NO.	REV.
A0	XDN.E.0037-1-100-A-LA-0005-01	0A
	PROJECT DRG. NO.	REV.