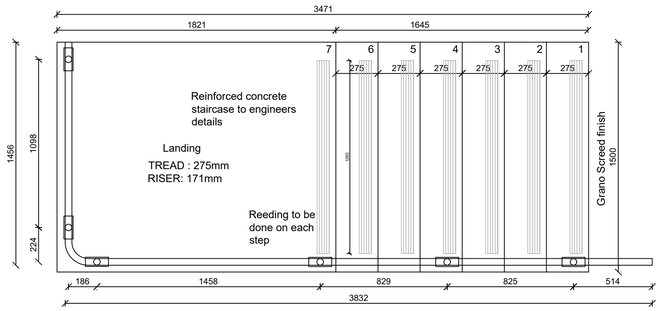
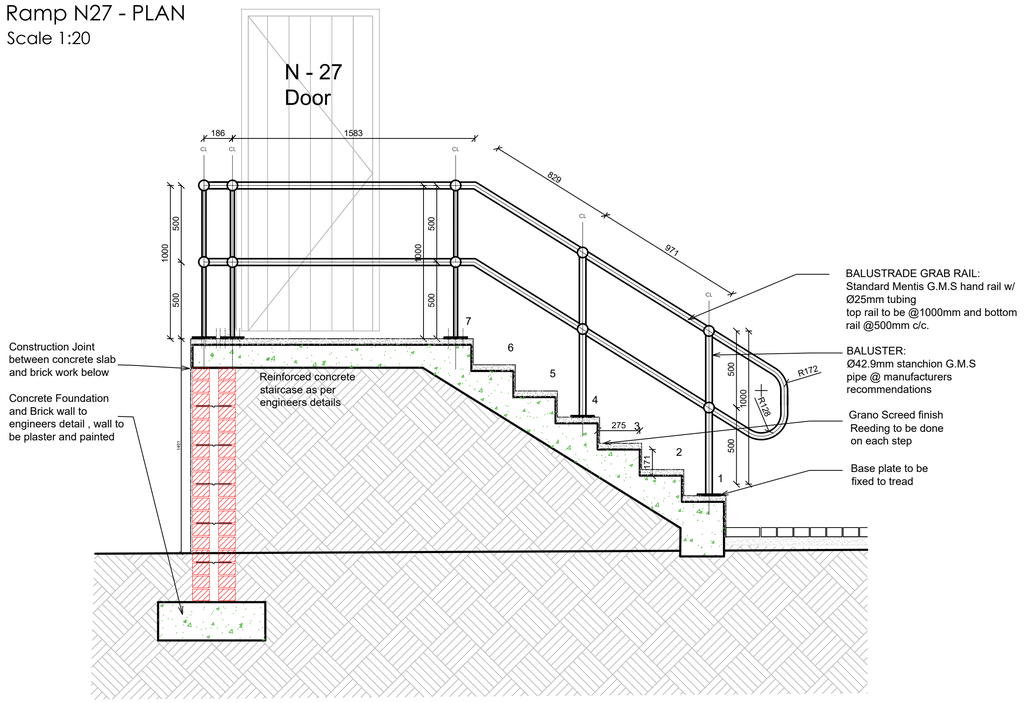
None :Model files attached.



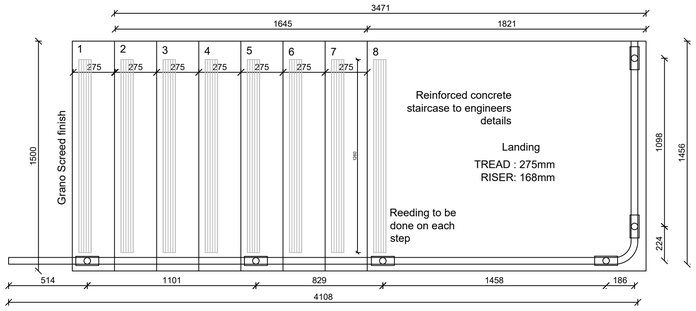
Ramp N27 - PLAN
Scale 1:20



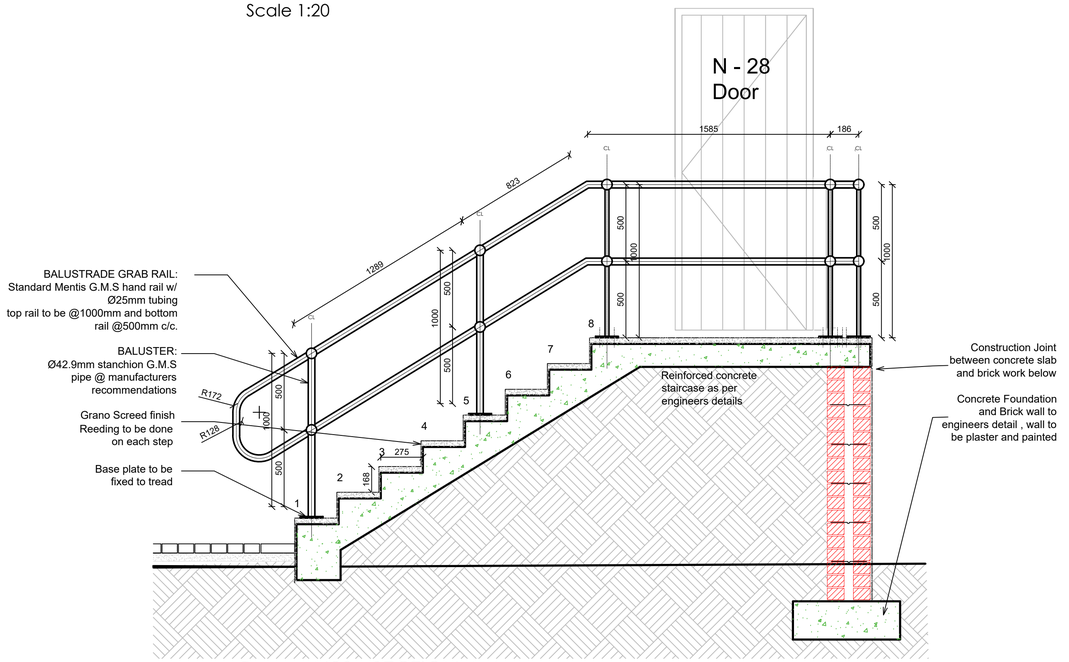
Ramp N27 - SECTION A-A
Scale 1:20

GENERAL NOTE:
ALL STRUCTURAL STEEL SECTIONS ARE TO COMPLY WITH SANS 10162-1 AND TO BE IMPACT TESTED IN STRICT ACCORDANCE WITH SANS 10160 PART 2. SPECIFIED SIZING AND FIXING TO BE VERIFIED BY THE ENGINEER PRIOR TO MANUFACTURE AND/OR FABRICATION.

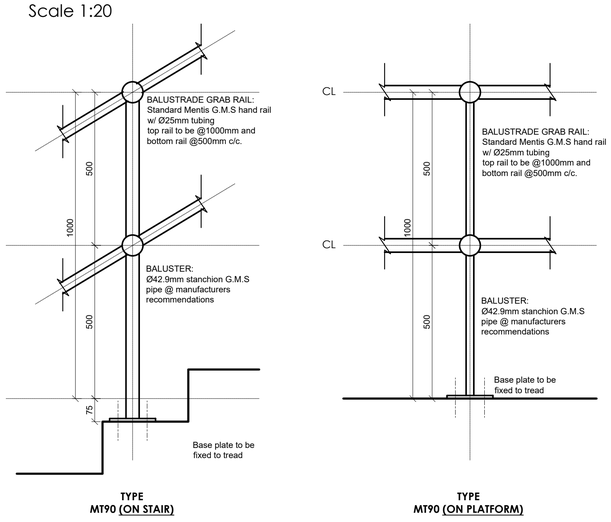
NB: NO SILICONE TO BE USED ON SITE, DURING CONSTRUCTION & MAINTENANCE



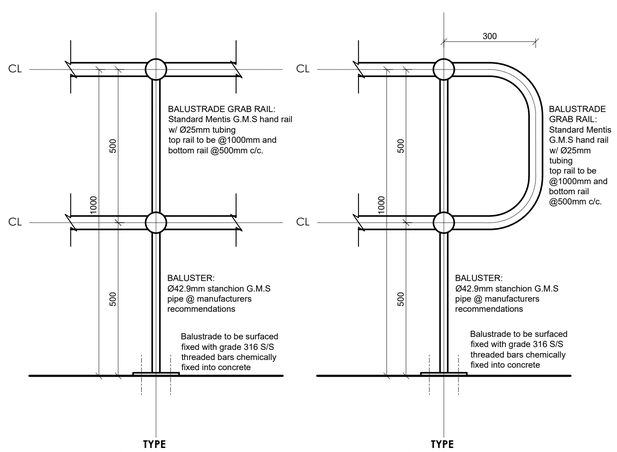
Ramp N28 - PLAN
Scale 1:20



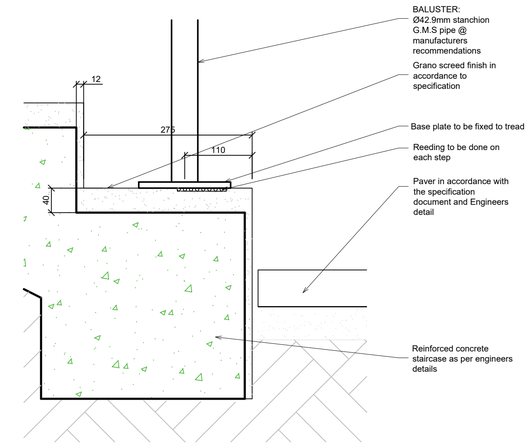
Ramp N28 - SECTION A-A
Scale 1:20



INDUSTRIAL BALUSTRADE DETAIL
Scale 1:10



INDUSTRIAL BALUSTRADE DETAIL
Scale 1:10



Grano Screed Typical Tread DETAIL
Scale 1:5

ISO A1 Landscape - Side

Job No	Discipline	Type	Drawing No.	Revision
0077	ARCH	TEN	712	-

Note:
Do not scale from this drawing. Check all given dimensions and site dimensions and/or levels prior to any pricing, manufacture or construction of any item.
Greater detail drawings take preference.
Please report any discrepancies to the architect.

The copyright for the design and information on this drawing is vested and may not be copied or reproduced without the written authority of the Architects.

Location diagram

GRANOLITHIC FINISH (For sand-cement finish see Clause 14.19:
Granolithic finish to floors, treads of steps, thresholds and similar horizontal surfaces shall be not
less than 25 mm thick, composed of 2 parts granite, or other approved hard stone chippings, or
approved hard coarse sharp washed granitic or quartzitic river sand, graded up to a maximum size of
5 mm, part clean pit sand screened through a 2,4 mm mesh sieve and 1 part of cement, and hand
or mechanically steel trowelled to a true and smooth surface.
The material must test between 30 and 35 MPa. No dry cement powder or grout shall be applied to
the surface.
The granolithic shall be laid before the concrete subfloor has matured otherwise the exposed surface
of the concrete shall be thoroughly cleaned with a wire brush and a coat of neat cement grout
applied immediately before the granolithic is laid.
The granolithic shall be laid in panels not exceeding 20 m_2 in area and joined to lines of panels with
V-joints as directed. The length of any panel shall not exceed 4,5 m and wherever possible the joints
between the panels shall coincide with any joints in the concrete sub-floor.
Where granolithic is to be tinted, it shall be laid in two thicknesses in one operation, the lower
thickness being brought up to within 6 mm of the finished level and the upper thickness, into which
the requisite quantity of approved colouring material has been mixed, shall be laid. NO DUSTING OF
COLOURING MATERIAL WILL BE ALLOWED.
Granolithic finish to stair risers, sides of kerbs and other vertical surfaces shall be not less than 12
mm thick.
Exposed salient angles of granolithic shall be neatly rounded to approximately 20 mm radius.
All granolithic work shall be carried out by experienced workmen and shall be protected from injury
caused by rain or other extremes of weather for 12 hours after being laid, and against drying out too
rapidly whilst hardening by covering with wet sacks or other suitable material and shall be protected
from other injury and discoloration during the progress of the remaining work.
Edges of granolithic floors adjoining other floor finishes, edges of margins, etc. shall be true and
sharp, all protected by fixing temporary wood strips which shall remain in position until laying of the
adjoining flooring material is commenced.

Rev	Drn	Date	Description
			TENDER

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Project Name / Client

EB/NW1/10/24/Z1A

MANUFACTURING FACILITY IN ZONE 1A

Drawing Title
External Staircases and Ballustrade Details

Drawing Originator
S AND P ARCHITECTS cc

Checked By	Checked Date	Drawn By	Drawn Date
JW	2025/06/03	TT	2025/06/03
Approved By	Approval Date	SACAP Number	
		7513	
Building Grid Reference		Scale	
		On Page	

Job No	Discipline	Type	Drawing No.	Revision
0077	ARCH	TEN	712	-