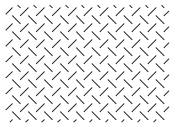


STRUCTURAL STEEL NOTES

1. ALL DIMENSIONS AND LEVELS TO BE CHECKED ON SITE AND ANY DISCREPANCIES BROUGHT TO THE ENGINEERS ATTENTION.
2. FABRICATION AND ERECTION OF STEELWORK TO BE IN ACCORDANCE WITH NATIONAL BUILDING REGULATIONS AND SABS1200:PART2 SECTION H-1990.
3. A COMPLETE SET OF SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL BEFORE FABRICATION COMMENCES. THESE DRAWINGS WILL BE SCRUTINISED TO ENSURE ADEQUATE END CONNECTIONS AND MEMBER SIZES ONLY. DIMENSIONAL ACCURACY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
4. ALL STEELWORK UNLESS OTHERWISE NOTED, TO BE GRADE 350 W, HOT DIPPED GALVANIZED.
5. IF SPLICES IN STEEL MEMBERS ARE REQUIRED FOR TRANSPORT OR MANUFACTURE, PROPOSALS FOR THIS MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
5. PLATFORM FLOORING AND TREADS TO BE 4.5/6.1 GALVANISED VASTRAP OR SIMILAR APPROVED
6. HANDRAILING TO MATCH EXISTING STEEL STAIR
7. BASE PLATES SHALL BE GROUTED WITH A CEMENTITIOUS NON-SHRINK GROUT WITH A MINIMUM CRUSHING STRENGTH OF 40 MPa. GROUTING MUST TAKE PLACE BEFORE THE PRIMARY LOADS ARE APPLIED TO THE STRUCTURE.
8. WELDING SHALL CONFORM TO AWS D1.1-90 SPECIFICATIONS.
8. ALL WELDING TO BE MINIMUM 6MM. CONTINUOUS FILLET WELDS UNLESS OTHERWISE NOTED.
9. ALL BOLTS SHALL BE GRADE 8.8 UNLESS OTHERWISE NOTED, AN A MINIMUM OF 2 BOLTS PER CONNECTION.
10. ALL CONNECTION DETAILS TO EXISTING STRUCTURES TO BE VERIFIED ON SITE AND APPROVED BY THE ENGINEER.

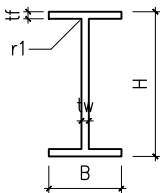
NOMINAL PLATE SIZE (mm)	3,0 - 4,6mm	4,5 - 6,1mm	6,0 - 7,6mm	8,0 - 9,6mm
2500 x 1200	78.00	113.34	148.65	195.75
4000 x 1200	181.34	273.84	313.20	
8000 x 1200	363.69	475.68	626.40	



VASTRAP PLATE DETAIL

SCALE nts

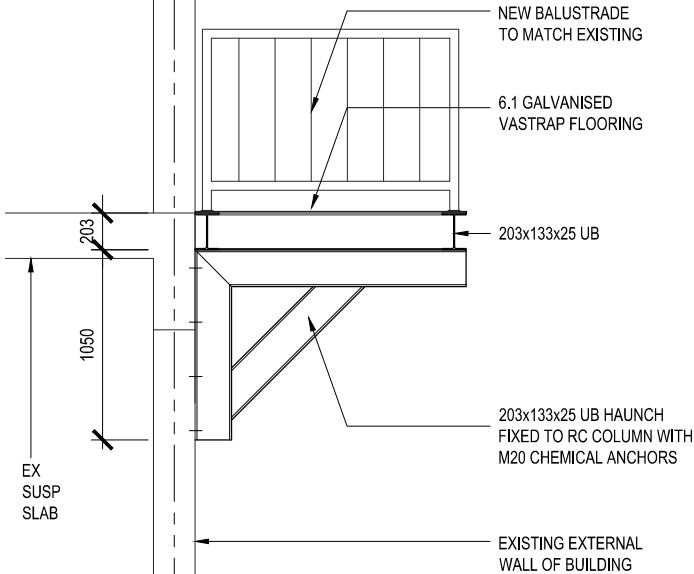
DESIGNATION (H/B/M)	M (KG/M)	H (mm)	B (mm)	tw (mm)	tf (mm)	r1 (mm)	hw (mm)	A (10 <sup>3</sup> mm <sup>2</sup> )	about x-x
203x133x25 universal beam	231	259	85,4	3,09	46,3	71,2	31,0	62,1	29,5



UNIVERSAL BEAM DETAIL

SCALE nts

FD



SECTION A (HAUNCH DETAIL)

SCALE 1:25

CLIENT:  
SOUTH AFRICAN REVENUE SERVICE



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REVISIONS

REV	DATE	DRAWN	CHECKED	DESCRIPTION

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DESIGNED	BD	13.02.2015
DRAWN	JF	11.03.2015
CHECKED	BD	11.03.2015
APPROVED	MD	12.03.2015

PROJECT	719
SHEET	1 OF 1
PAPER SIZE	A1
SCALE	1:50, 1:25, NTS

STATUS: ☒ CONCEPT ☐ TENDER ☐ CONSTRUCTION ☐ AS BUILT  
DRAWING TITLE  
STEEL WALKWAY

PROJECT LOCATION HILLCREST SHOPPING CENTRE, HILLCREST, MTATHA					
PROJECT DESCRIPTION ADDITIONS AND ALTERATIONS TO SARS MTATHA					
PROJECT	SUB NUMBER	DISCIPLINE	DRAWING NUMBER	STATUS	REVISION
BD	- 740 -	ST	- 001 -	C	01