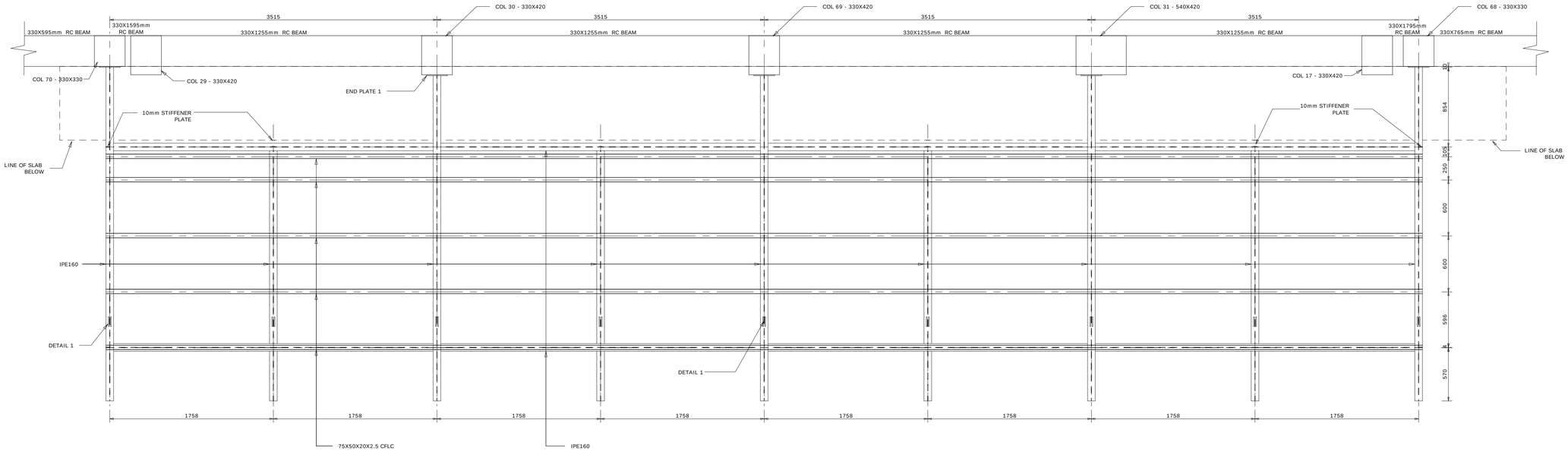

ROOF LAYOUT
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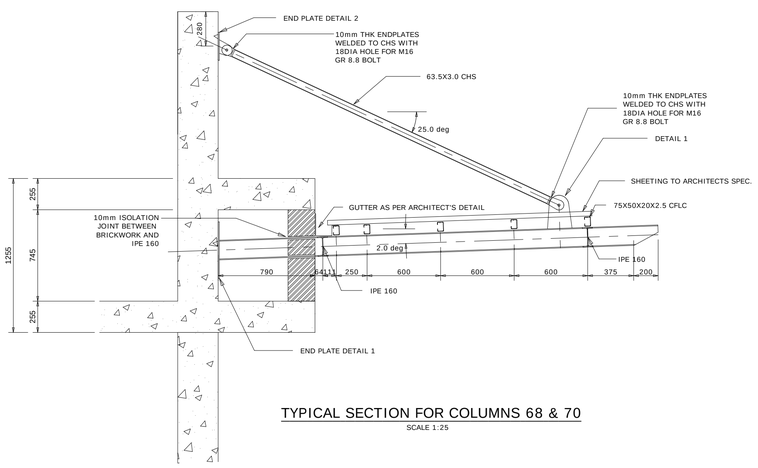
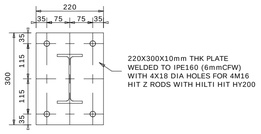


TYPICAL SECTION FOR COLUMNS 68 & 70
SCALE 1:25



END PLATE DETAIL 1
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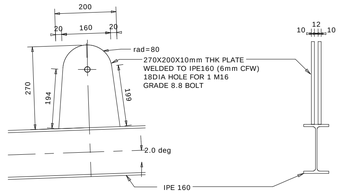
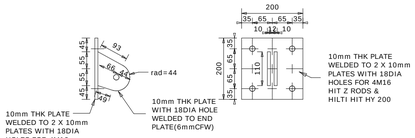
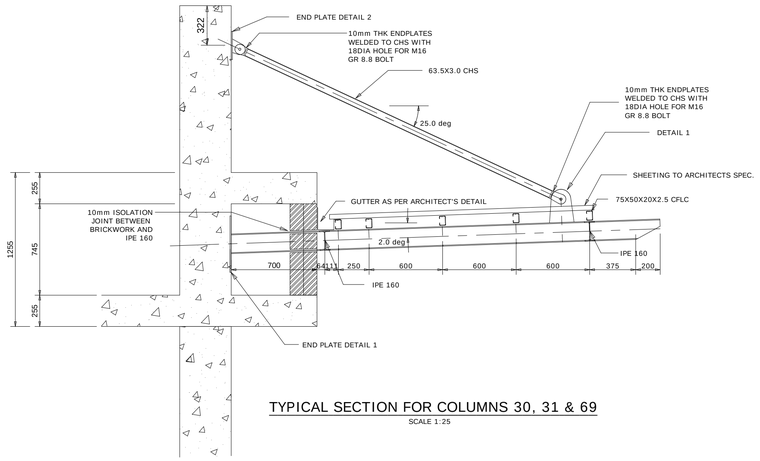


DETAIL 1
SCALE 1:10



END PLATE DETAIL 2
SCALE 1:10



TYPICAL SECTION FOR COLUMNS 30, 31 & 69
SCALE 1:25

STRUCTURAL STEEL:

S1 ALL DIMENSIONS MUST BE CHECKED ON SITE BEFORE THE PRODUCTION OF WORKSHOP DRAWINGS COMMENCES. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.

S2 WORKSHOP DRAWINGS MUST BE SUBMITTED TO THE ENGINEER FOR DESIGN COMPLIANCE APPROVAL BEFORE FABRICATION COMMENCES

S3 ALL STEEL TO BE SANS 1431 GRADE 350W EXCEPT FOR COLD ROLLED SECTIONS WHERE COMMERCIAL QUALITY STEEL CAN BE USED. A CERTIFICATE FROM THE STEEL MANUFACTURER IN WHICH THE GRADE IS VERIFIED SHALL BE HANDED TO THE ENGINEER.

S4 ALL WELDING TO BE RESTRICTED TO THE FACTORY ONLY. EXCEPT WHERE OTHERWISE NOTED, WELDING IS TO BE DONE STRICTLY ACCORDING TO SANS 10044, SANS 10167 & SANS 1431, AND WILL BE 6mm C.F.W. OR BUTT WELD (MIN.) TO THE FULL STRENGTH OF THE MATERIAL JOINED. WELD ALL ROUND TO THE MAXIMUM LENGTH POSSIBLE (U.O.N.)

S5 ALL BOLTS MUST BE 16mm DIA. BLACK BEARING BOLTS CLASS 8.8 UNLESS SPECIFIED AND MUST COMPLY WITH SANS 135, SANS 136 & SANS 1700 SET ALL HOLES TO BE DRILLED 2mm LARGER THAN THE BOLT DIAMETER.

S6 ALL STRUCTURAL STEEL TO BE THOROUGHLY CHIPPED, SCRAPED OF ALL LOOSE MILL SCALE AND WIRE BRUSHED TO REMOVE ALL GREASE, DIRT, RUST AND OTHER DELETERIOUS MATERIALS.

S7 ALL STEELWORK TO BE PROTECTED AGAINST CORROSION ACCORDING TO SANS 14713 (ISO 14713)

S8 ALL STRUCTURAL WORK TO BE CHECKED AND APPROVED BY THE ENGINEER BEFORE LEAVING THE WORKSHOP. (U.O.S.)

S9 ALL PLATES TO BE 10mm THICK UNLESS OTHERWISE NOTED.

S10 GROUT UNDER BASE PLATES TO HAVE A MINIMUM PERMISSIBLE BEARING PRESSURE OF 10MPa AND BE OF NON-SHRINK GROUT.

S11 UNLESS OTHERWISE NOTED IN THE STEEL SPECIFICATIONS, ALL STEEL TO BE HOT DIPPED GALVANIZED TO SABS 121 (SABS ISO 1461)

S12 WHERE DESIGN OF THE BUILDING STRUCTURE IS PREDOMINANTLY FRAMED IN REINFORCED CONCRETE IT IS REQUIRED THAT ALL REINFORCEMENT STEEL USED IN THE PROJECT HAVE POST CONSUMER RECYCLED CONTENT GREATER THAN 90% & THAT 90% OF THE PROJECT STEEL USE BY MASS HAS AN AVERAGE POST CONSUMER RECYCLED CONTENT GREATER THAN 90%

S13 ALL WELD ELECTRODES TO BE E70XX.
NON-DESTRUCTIVE TESTS ARE TO BE CONDUCTED ON ALL WELDS AND RESULTS ARE TO BE PROVIDED BY THE FABRICATOR FOR APPROVAL AND RECORDS.
ALL WELDS ARE TO BE DONE BY A CURRENTLY CERTIFIED BOILERMAKER WITH THE APPLICABLE CERTIFICATES FOR THE WELDING AS SPECIFIED. THIS INFORMATION MUST BE PRESENTED FOR RECORDS

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Client

KWAZULU-NATAL PROVINCE
EDUCATION
REPUBLIC OF SOUTH AFRICA

Implementing Agent

DBSA
DEVELOPMENT BANK OF SOUTHERN AFRICA
Building Africa's Prosperity

Notes:
Refer to General Notes on Sheet Number S-000

No	Amendment	Date	App.
OB	ISSUED FOR TENDER	10/11/2021	ET

Project Manager

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Discipline:

Project
Maritime School Of Excellence

Drawing Title
HALL
ENTRANCE CANOPY

Division Head: Approver	Designed by:	P Jumman
Pr Eng No:	Drawn by:	V Rampersadh
Date: 29/10/21	Checked by:	E Tromp
Scale: As indicated	Drawing No: 2025- S-HLL-007	Rev: OB

METRES 0 0.5 1 2 3
METRES 0 1 2 3 4
1:50 0 1 2 3
1:100 0 1 2 3