TENDER DOCUMENT STAGE

MEETING ROOM EXTENTION

PROJECT OWNER : INTERNATIONAL WATER MANAGMENT INSTITUTE

LOCATION : 127, SUNIL MAWATHA, BATTARAMULLA. 10120

ISSUE DATE : 05.03.2023

	05/03/23	AQ	AP	AP	PAK

Issue	Date	Detail	Design	Chkd	Apprd

Client

International water Managment Institution (IWMI)
127, Sunil Mawatha,
Battaramulla, 10120.

SHERAN HENRY ASSOCIATES
Chartered Architects/Designers
25/3, Lauries Road, Colombo 4
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Structural Engineer

INNOVATIVE STRUCTURES DESIGN GROUP (PVT) LTD.
CIVIL / STRUCTURAL ENGINEERING SERVICE
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Job Title

Meeting Room Extention

Drawing Title

COVER PAGE

Scale at A3

Plot ID

Drawing Status

Information

Job No	Drawing No	Issue
J010	ISDG/IWMI/J010-2023- S00	

Drawing List

Drawing Number	Drawing Name
S00	COVER PAGE
S000	SHEET LIST
S01	GENERAL NOTE
S02	COLUMN LAYOUT
S03	BEAM LAYOUT
S04	FOUNDATION LAYOUT
S05	SECTIONS
S06	SECTION DETAIL 01
S07	SECTION DETAIL 2
S08	BASE PLATE DETAIL
S09	FOOTING DETAIL
S10	SLAB REINFORCEMENT

	05/03/23	AQ	AP	AP	PAK
Issue	Date	Detail	Design	Chkd	Apprd

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Drawing Title

SHEET LIST

Scale at A3

Plot ID

Drawing Status

Information

Job No	Drawing No	Issue
J010	ISDG/IWMI/J010-2023- S000	

1. GENERAL NOTS

1.1 ALL THE DIMENSIONS ARE IN mm AND LEVEL ARE IN METER UNO.

1.2 THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS, ANY DISCREPANCIES TO BE BROUGHT TO THE ATTENTION OF THE RELEVANT ENGINEER.

1.3 ALL MATERIALS AND WORKMANSHIP TO BE IN ACCORDANCE WITH THE SPECIFICATIONS AND RELEVENT SRI LANKAN, BRITISH AND EUROPEAN STANDARDS/CODES OF PRACTICE.

2. CONCRETE WORK

2.1 ALL CONCRTE WORK SHALL BE IN ACCORDANCE WITH BS 8110, BS 8007 AND SPECIFICATIONS.

2.2 CONCRTE TESTING SHALL BE IN ACCORDANCE WITH BS 5328, UNLESS OTHERWISE SPECIFIED.

2.3 ALL CONCRTE SHALL BE READYMIX AND SUPPLIED ACCORDING TO THE APPROVED DESIGNED MIXES.

2.4 ALL CONCRETE FOR REINFORCED CONCRETE WORK SHALL BE GRADE 30 AS PER DETAILED DRAWING AND WITH MAXIMUM AGGREGATE SIZE 20mm UNLESS NOTED OTHERWISE.

2.5 MIX DESIGNS SHALL BE PREPARED AND SUBMITTED BY THE CONTRACTOR FOR APPROVAL OF THE CONSULTANT

THE CONTRACTOR SHALL SUBMIT RESULT OF TRIAL MIXES, GRADING CURVES AND ALL OTHER DETAILS TO ENABLE THE CONSULTANT TO EVALUATE THE PROPOSED MIX DESUGNS.

2.6 CONCRETE SHALL BE WELL COMPACTED BY MECHNICAL MEANS WITHOUT SEGREGATION.

2.7 CONCRETE GRADE AT THE COLUMN/BEAM JUNCTION TO BE EQUAL TO THE GRADE OF THE COLUMN CONCRETE.

2.8 ALL CONCRETE SURFACES, EXCEPT THOSE COVERED BY FORM WORK, SHALL BE CURED TO THE SATISFACTION OF THE CONSULTANT.

2.9 ALL GRADE BEAMS AND SLABS SHALL BE FORMED ON SIDES UNLESS SHOWN OTHRWISE.

2.10 CONCRETING OF SLABS ON- GRADE (GROUND SLABS) SHALL BE PLACED IN BAYS WHERE LENGTHS AND WIDTHS DO NOT EXCEED SIX METERS UNLESS APPROVED BY THE CONSULTANT.

2.11 CONTRACTOR SHALL SUBMIT CONSTRUCTION JOINT LAYOUT, POURING PATTERN AND CASTING SEQUENCE FOR APPROVAL OF THE CONSULTANT AT LEAST EIGHT WEEKS BEFORE THE POURING OF HE CONCRETE.

2.12 ALL BEAM VERTICAL CONSTRUCTION JOINTS SHALL BE MADE AT ONE THIRD OF THE SPAN POINTS USING VERTICAL BULKHEADS WITH SHEAR KEYS AND DOWELS (WHEN A SECONDARY BEAM INTERSECTS A PRIMARY BEAM AT THIS PONIT, THE JOINT IN THE PRIMARY BEAM SHALL BE OFFSET A DISTANCE EQUAL TO TWICE THE WIDTH OF THE BEAM) THE LOCATION OF CONSTRUCTION JOINTS SHALL BE APPROVED BY THE CONSULTANT.

2.13 HORIZONTAL CONSTRUCTION JOINTS SHALL BE PERMITTED ONLY WHERE SHOWN ON THE STRUCTURAL DRAWINGS OR APPROVED BY THE CONSULTANT. HORIZONTAL OR NEARLTY HORIZONTAL JOINTS SHALL BE PREPARED BY ROUCHENING THE SURFACE IN AN APPROVED MANNER SO THAT THE AGGREGATES ARE EXPOSED UNIFORMLY, LEAVING NO LAITANCE, LOOSE PARTICLES OR DAMAGED CONCRETE.

2.14 EXCEPT AS DETAILED ON STRUCTURAL DRAWINGS, NO SLABS, OR BEAMS, SHALL BE SLEEVED FOR PIPING OR DUCTS, UNLESS APPROVED BY THE CONSULTANT.

2.15 MINIMUM FREE FALL OF CONCRETE SHOULD BE LIMITED TO 1.5m DURING THE PLACEMENT OF CONCRETE.IN THE EVENT LIFT HEIGHT IS GREATER THAN 1.5m TREMIE PIPE OR SIMILAR APPROVED ARRANGEMENT SHOULD BE USED. CASTING OF COLUMNS TOGETHER WITH SLABS AND BEAMS WILL NOT BE ALLOWED.

3. FORMWORK

3.1 ALL FORM SHALL COMPLY WITH BS 8110 AND BS 5975.

3.2 DO NOT REMOVE FORM WORK OR PROPS BEFORE CONCRETE GAINS SUFFICIENT STRENGTH SPECIFIED IN THE RLEVENT STANDARDS,UNDER ANY CIRCUMSTANCE.

A. MAINTAIN ALL FORM WORKS FOR BEAMS FOR A MINIMUM OF 7 DAYS.

B. MAINTAIN ALL PROPS FOR ADITIONAL 14 DAYS.

C. MAINTAIN COLUMN FORM WORK FOR A MINIMUM OF 1 DAAY IF A SPECIAL CURING PROCEDURE IS NOT USED.

4 REINFORCEMENT STEEL NOTES

4.1 ALL REINFORCING STEEL SHALL BE COMPLY WITH EN 10080:2005 GRADE 500Mpa DEFORMED TYPE B BARS. USE OF REINFORCEMENT FOR THE WORK WILL BE CONSISERED ONLY UPON SUBMITTAL OF RELEVENT INFORMATION TO THE CONSULTANT FOR APPROVAL, SUBMITTALS SHALL INCLUDE MILL CERTIFICATES INDICATING THE MATERIAL COMPOSITION, YEILD STRENGTH, ULTIMATE STRENGTH, AND BAR BEND TEST.

4.2 NO REINFORCING BARS SHALL BE WELDED, UNLESS SPECIFICALLY NOTED OR APPROVED BY THE CONSULTANT.

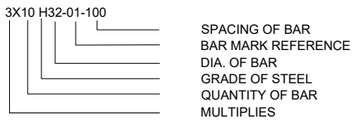
4.3 CONCRETE COVER OF REINFORCEMENT TO BE:- Cnom INTERNAL FACE 35mm AND EXTERNAL FACE 50mm.

4.4 LAP LENGTH FOR REINFORCEMENT (UNO) H12=550mm, H16=720mm,H20=900mm, H25=1125mm, H32=1450mm, H40=1800mm

4.5

LEGEND

V	-	VERTICAL
H	-	HORIZONTAL
NF	-	NEAR FACE
FF	-	FAR FACE
EF	-	EACH FACE
SB	-	SIDEBARS
SSL	-	STRUCTURAL SLAB LEVEL
TOB	-	TOP OF BEAM
BOC	-	BOTTOM OF CONCRETE
CJ	-	CONSTRUCTION JOINT



4.6 NO CONCRETE IS TO BE POURED UNTIL THE REINFORCEMENT HAS BEEN INSPECTED AND APPROVED BY THE ENGINEER.

4.7 MINIMUM ANCHORING LENGTH SHOULD BE 450mm.

5 BRICK WALLS/LINTEL BEAMS

1. IN THE ERECTION OF BRICK OR BLOCK WALLS. A LIGHT GAUGE WIRE MESH OR PREFERABLY AN EXPANDED METAL (COIL MESH) TO BS EN 10142, SHOULD BE LAID IN EVERY FOURTH COURSE OF BRICK OR BLOCK LAYING. MESH SHOULD ALSO BE FIXED AT LOCATIONS IN CONTACT WITH A CONCRETE SURFACE SUCH AS COLUMNS OR BEAMS.
2. ALL BLOCK/ BRICK WALLS SHALL BE TIED WITH CONCRETE STIFFNER COLUMNS AND BEAMS.
3. ALL OPENINGS (DOOR/WINDOW) SHALL BE STIFFEN WITH STIFFNER COLUMSNAND LINTEL BEAMS.

STRUCTURAL STEEL

1. THE STRUCTURAL STEELWORKS SHOWN ON THE DRAWINGS HAS BEEN DESIGNED TO EN1993-1:1.
2. UNLESS OTHERWISE SPECIFIED, ALL STEEL MEMBERS SHALL BE OF GRADE S 275 COMPLYING TO BS EN 10025-2 OR EQUIVALENT.
3. ALL SET SCREW, NUT AND WASHERS ARE COMPLYING WITH DIN933 OR EQUIVALENT.
4. ALL GRADE 8.8 BOLTS SHALL COMPLY EN ISO 898-1 & ALL SET SCREW, NUT AND WASHERS ARE COMPLY WITH DIN 933 OR EQUIVALENT.
5. ALL WELDS SHALL COMPLY WITH BS EN 1011-14 & BS EN1011-2.
6. SURFACE TREATMENT
   - 6.1. THE STEEL MEMBERS SHOULD BE SAND BLASTED, WIRE BRUSHED AND CLEANED TO REMOVE MILL SCALE DIRT AND GREASE.
   - 6.2. THE COATING SYSTEM SHOULD BE COMPLIED WITH THE BS EN ISO 12944-5:2018 AND THE MINIMUM DFT SHOULD NOT BE LESS THAN 240µm.
7. CONSIDERATION SHALL BE GIVEN TO TESTABILITY AND SAFETY OF STEEL FRAMEWORK DURING ERECTION.THE CONTRACTOR SHALL ENSURE THAT THE STRUCTURE IS NOT SUBJECTED TO EXCESSIVE DEFLECTION OR STRESS DURING ERECTION.
8. ALL DIMENSIONS AND DETAILS TO BE VERIFIED ON SITE AND CHECKED BY THE CONTRACTOR ARCHITECTURAL DRAWINGS AND ANY DISCREPANCIES SHOULD BE REPORTED IN ADVANCE
9. PROPRIETARY NON-SHRINK GROUT WITH A MINIMUM COMPRESSIVE STRENGTH OF 60N/mm^2 AT 28 DAYS SHOULD BE USED AFTER THE ERECTION AND ALIGNMENT OF STEEL FRAME/COLUMN.
10. TECHNICAL DETAILS INCLUDING MILL CERTIFICATES OF STRUCTURAL STEEL, SET SCREWS, NUTS, ANCHOR BOLTS, DECKING SHEETS, SHEAR STUDS ETC, TO BE FORWARDED TO ENGINEER BY CONTRACTOR PRIOR TO FABRICATION OF STRUCTURAL STEEL WORKS.
11. CONTRACTOR TO PREPARE SHOP DRAWINGS AND FORWARDED TO ENGINEER FOR VERIFICATION AND APPROVAL PRIOR TO FABRICATION OF STRUCTURAL STEEL WORKS.
12. CONTRACTOR IS REQUIRED TO PERFORM TESTS TO VERIFIED STRUCTURAL STRENGTH/WELDING QUALITY AND DRY FILM THICKNESS OF THE PAINT, PULL OUT AND BENDING TEST OF SHEAR STUDS AS PER ENGINEER'S DIRECTIONS.
13. ABBREVIATIONS
    - ASP - AS PER THE SPECIFICATION
    - THK - THICKNESS
    - FW - FILLET WELD
    - Ø - DIAMETER
    - RHS - RECTANGULAR HOLLOW SECTION
    - SHS - SQUARE HOLLOW SECTION
    - PL - PLATE
14. ALL THE DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE SPECIFIED

SPECIAL NOTE

IN CASE OF DISCREPANCIES BETWEEN THIS GENERAL NOTES DRAWING AND ANY NOTES ON INDIVIDUAL DRAWINGS,THE NOTES ON INDIVIDUAL DRAWING TAKE PRCEDENCE.

Issue	Date	Detail	Design	Chkd	Apprd
	05/03/23	AQ	AP	AP	PAK

Client

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Job Title

Meeting Room Extention

Drawing Title

GENERAL NOTE

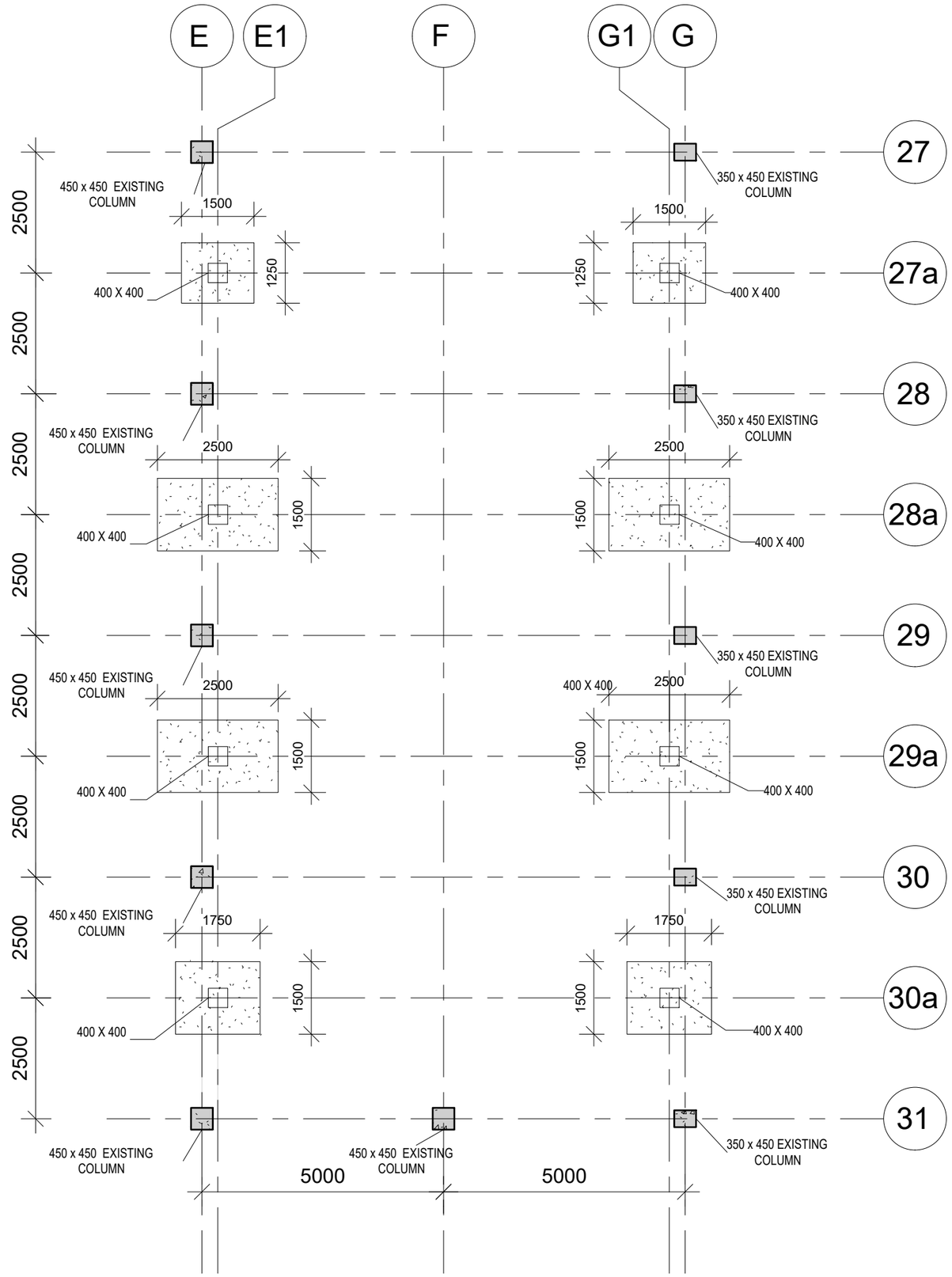
Scale at A3

Plot ID

Drawing Status

Information

Job No	Drawing No	Issue
J010	ISDG/IWMI/J010-2023- S01	



1 / S02-5 FOUNDATION LAYOUT
1:100

TENDER NOTES

1. THESE DRAWINGS ARE PRELIMINARY DRAWINGS ISSUED FOR TENDERING PURPOSES ONLY AS AN INDICATION OF THE EXTENT OF WORKS. THEY ARE NOT A COMPLETE SET OF CONSTRUCTION DRAWINGS AND ARE NOT TO BE USED FOR CONSTRUCTION.
2. TO DETERMINE THE FULL EXTENT OF WORK, THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS AND OTHER CONTRACT DOCUMENTS.
3. SHOULD ANY AMBIGUITY, ERROR, OMMISION,DISCREPANC, INCONSISTENCY OR OTHER FAULT EXIST OR SEEM TO EXIT IN THE DOCUMENT, IMMEDIATELY NOTIFY, IN WRITING TO THE SUPERINTDENDENT.

Issue	Date	Detail	Design	Chkd	Apprd
	05/03/23	AQ	AP	AP	PAK

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Job Title

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Drawing Title

FOUNDATION LAYOUT

Scale at A3

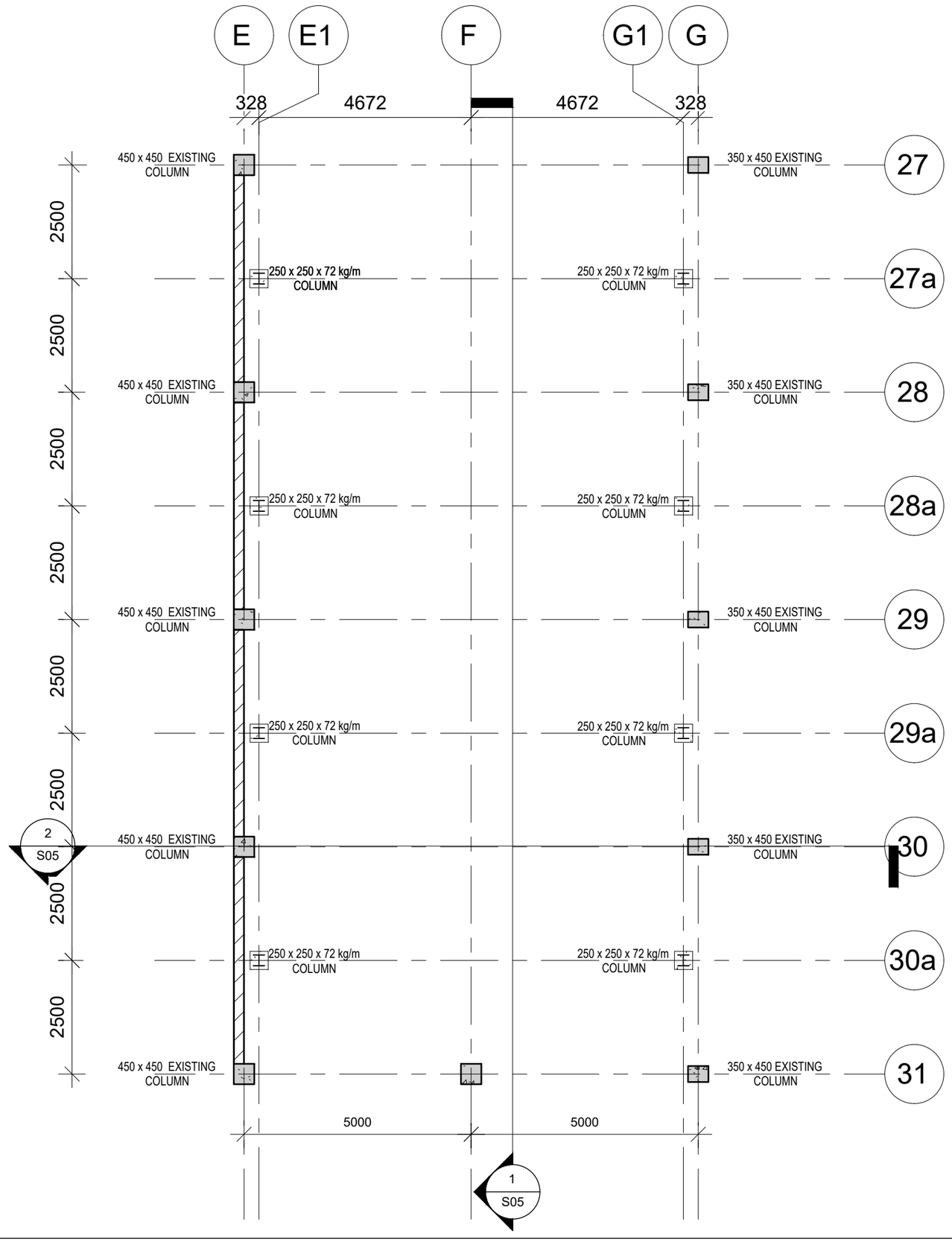
1 : 100

Plot ID

Drawing Status

Information

Job No	Drawing No	Issue
J010	ISDG/IWMI/J010-2023- S04	



1 / S02-05 LEVEL 1 (101.5)
1 : 100

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7. ALL WELDS SHALL COMPLY WITH BS EN 1011-4 & BS EN1011-2.
8. PROPRIETARY NON-SHRINK GROUT WITH A MINIMUM COMPRESSIVE STRENGTH OF 60N/mm2 AT 28 DAYS SHOULD BE USED AFTER THE ERECTION AND ALIGNMENT OF STEEL FRAME/COLUMN.
9. ABBREVIATIONS

   APS - AS PER SPECIFICATION
   THK - THICKNESS
   FW - FILLET WELD
   RHS - RECTANGUALR HOLLOW SECTION
   PL - PLATE
   ∅ - DIAMETER

	05/03/23	AQ	AP	AP	PAK

Issue	Date	Detail	Design	Chkd	Apprd

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Job Title
Meeting Room Extention

Drawing Title
COLUMN LAYOUT

Scale at A3
1 : 100

Plot ID

Drawing Status
Information

Job No	Drawing No	Issue
J010	ISDG/IWMI/J010-2023- S02	

FLOOR DESIGN LOADS

DEAD LOADS

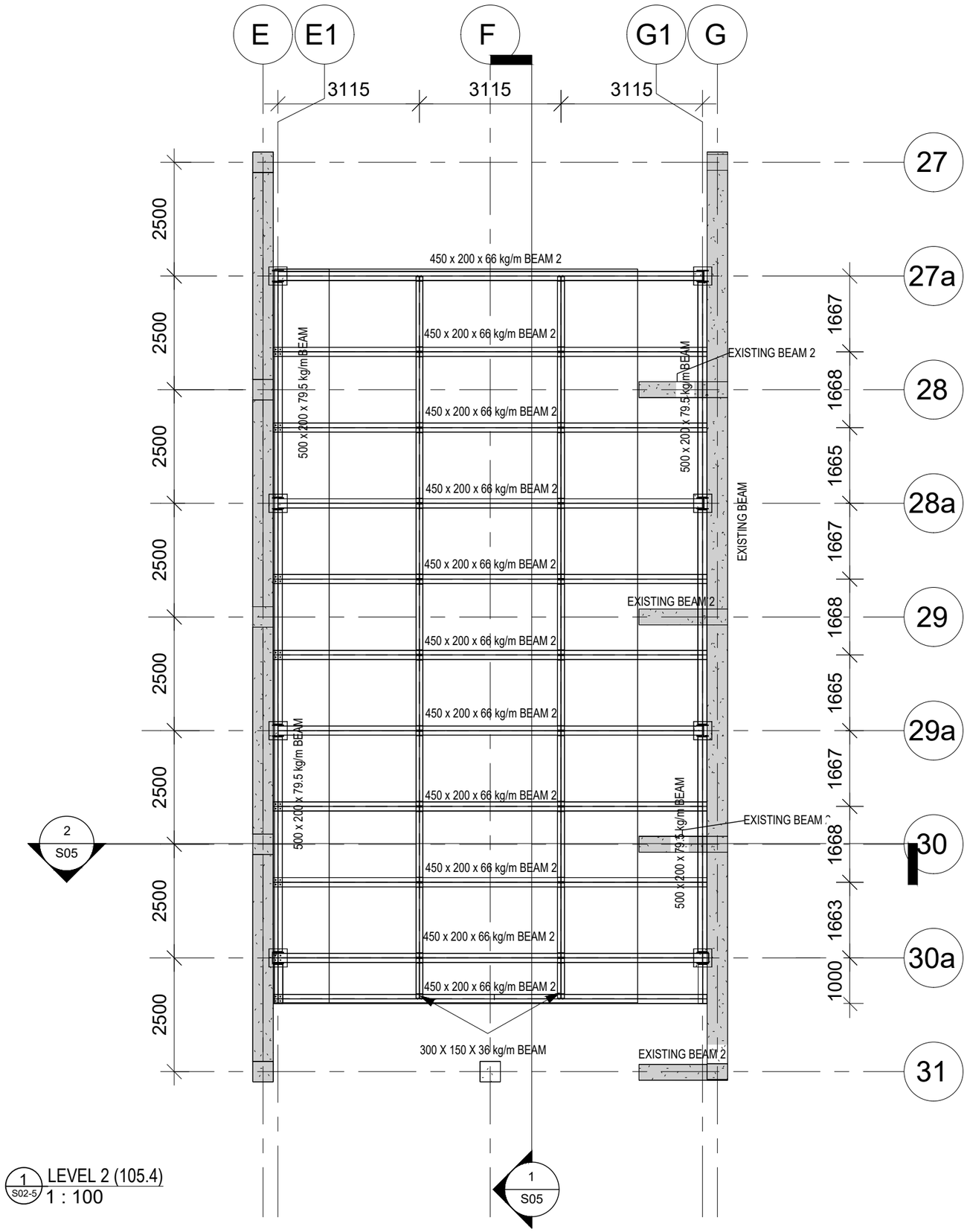
a) SERVICES - 0.5 kpa

b) FLOOR FINISHES - 1.00 kpa

LIVE LOAD

a) OFFICE USE - 5.00 kpa

b) MOVABLE PARTITIONS WITH
SELF - WEIGHT >1.00 kN/m AND ⩽ 2.00 kN/m
ALLOWANCE- 0.8 kpa



1 / S02-5 LEVEL 2 (105.4)
1 : 100

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Issue	Date	Detail	Design	Chkd	Apprd

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Job Title

Meeting Room Extention

Drawing Title

BEAM LAYOUT

Scale at A3

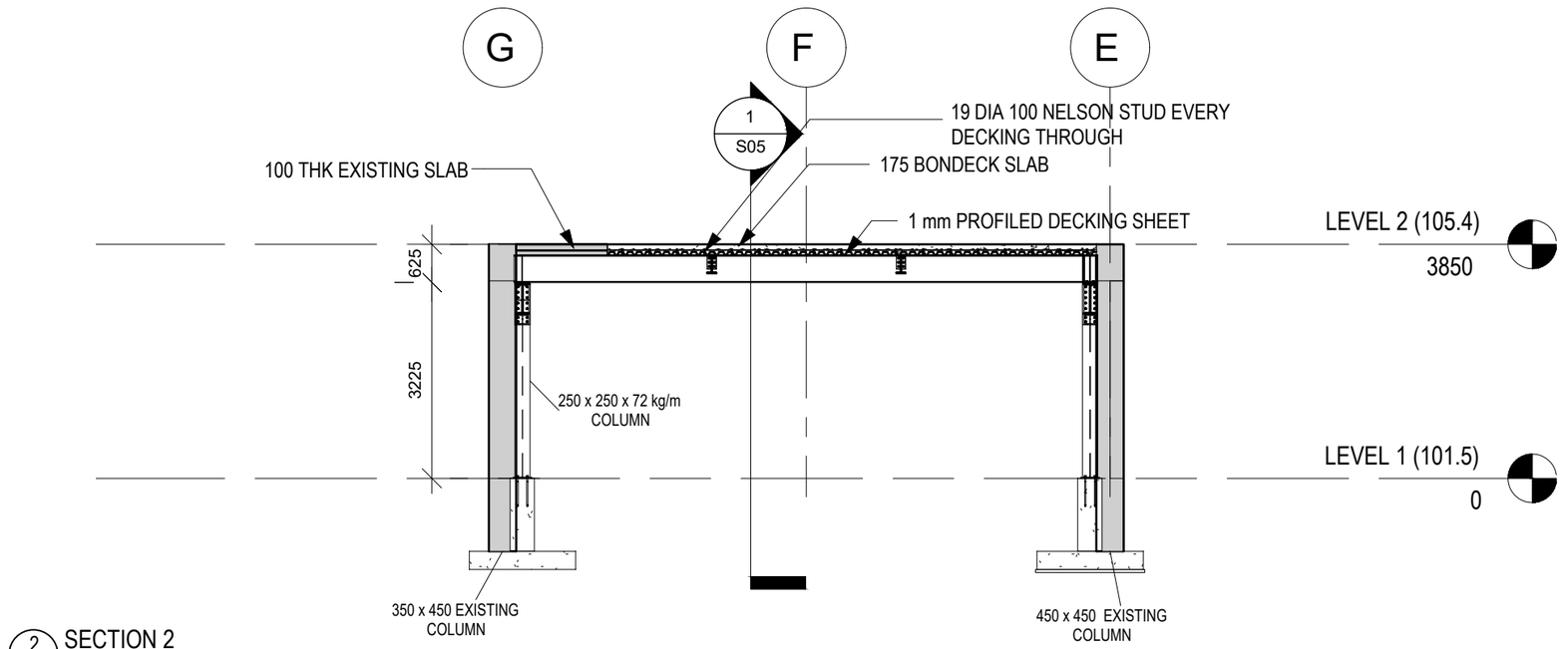
1 : 100

Plot ID

Drawing Status

Information

Job No	Drawing No	Issue
J010	ISDG/IWMI/J010-2023- S03	



2 / S02-5 SECTION 2
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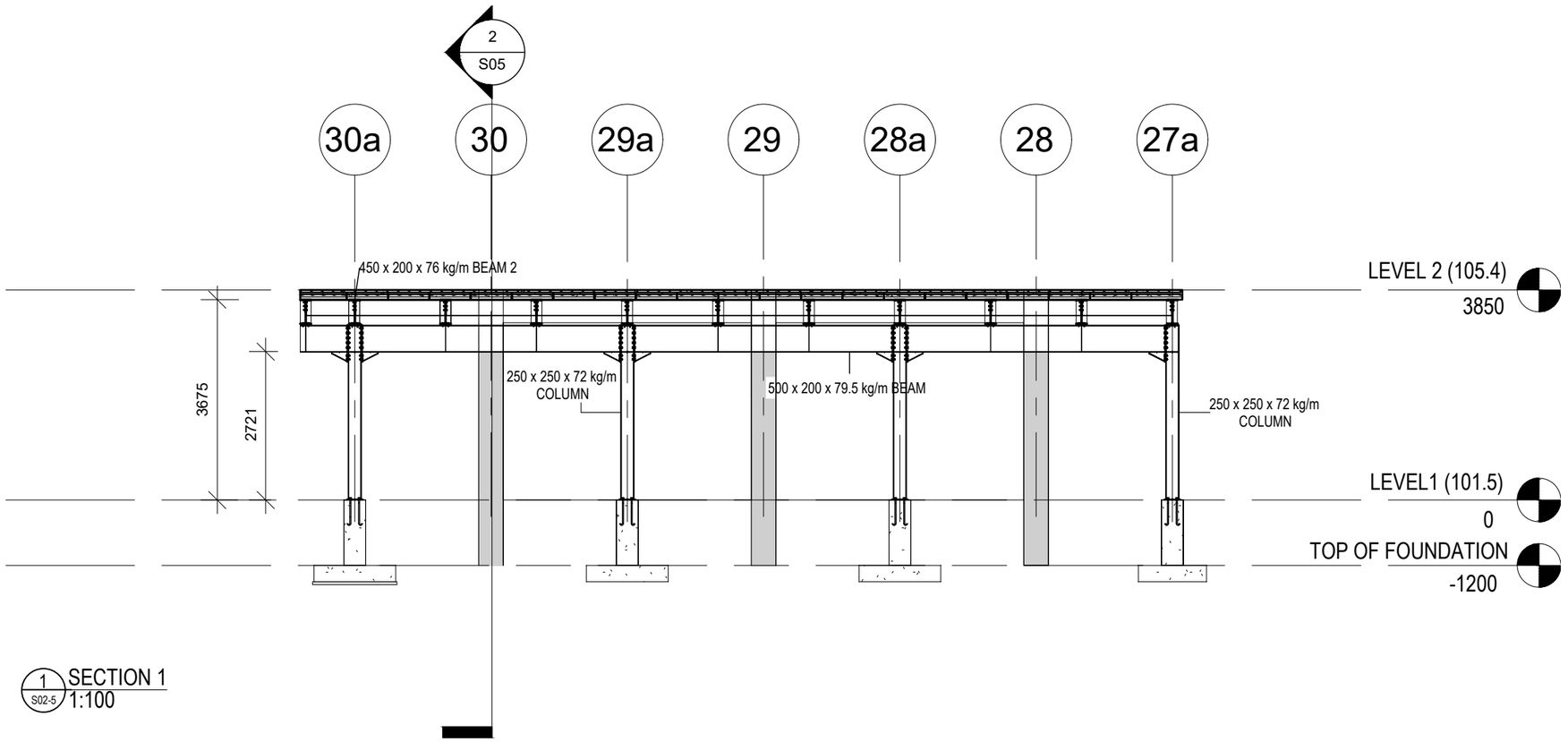

1 / S02-5 SECTION 1
1:100

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Job Title

Meeting Room Extention

Drawing Title

SECTIONS

Scale at A3

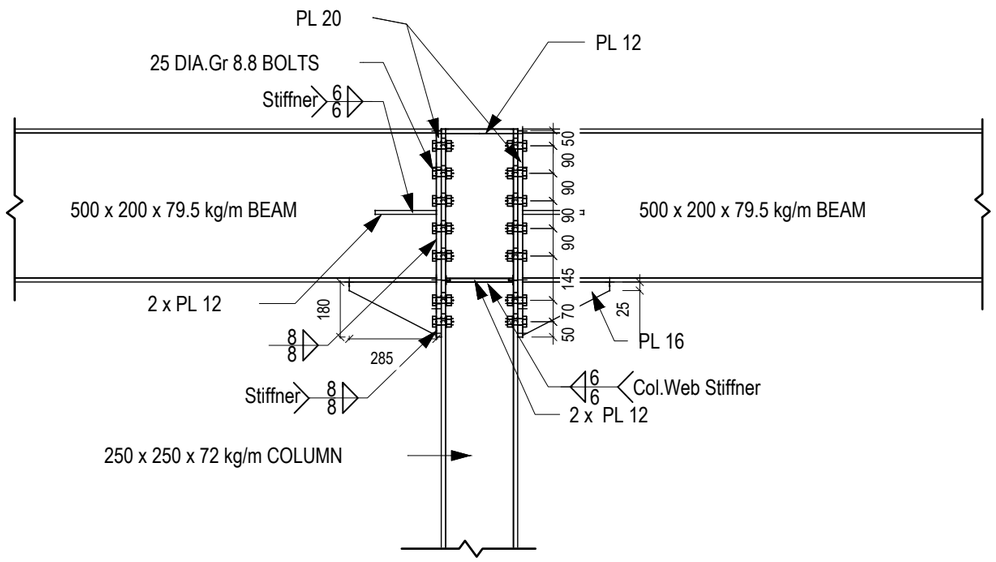
1 : 100

Plot ID

Drawing Status

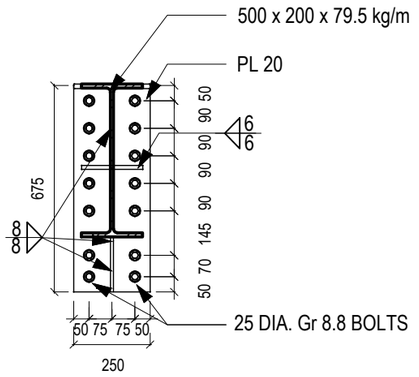
Information

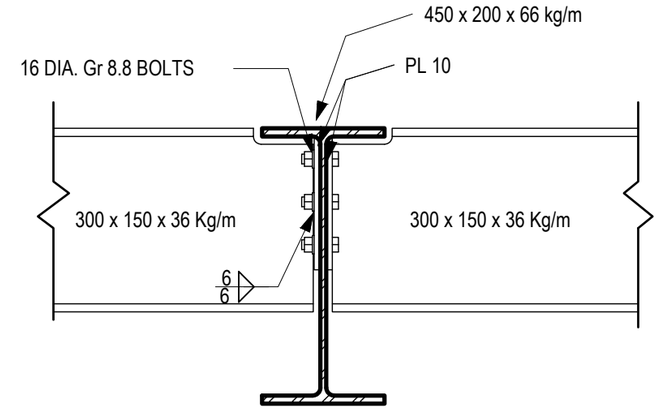
Job No	Drawing No	Issue
J010	ISDG/IWMI/J010-2023- S05	



2 / S2-05 COLUMN TO PRIMARY BEAM CONNECTIONS

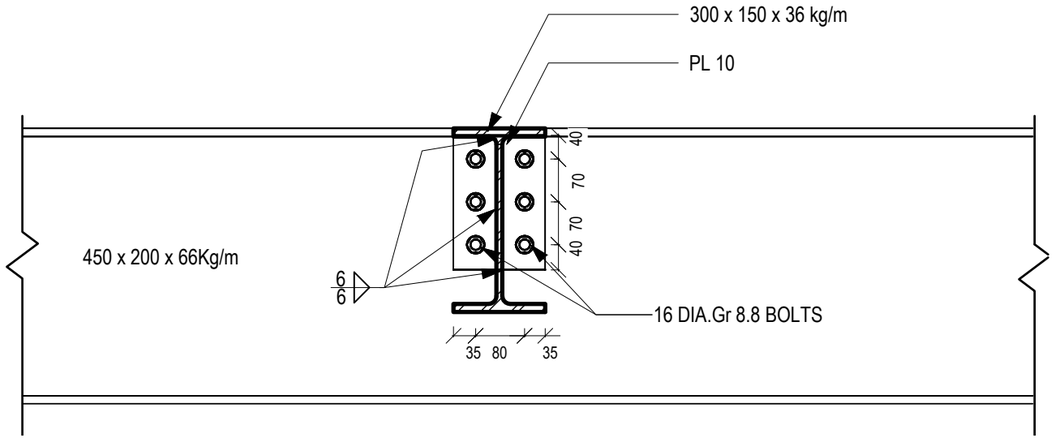
1 : 20

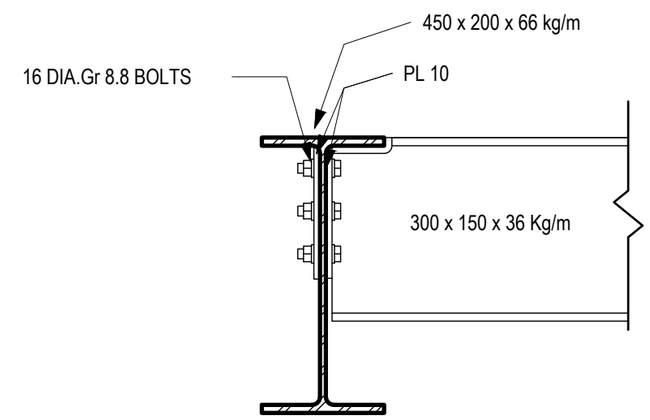




1 / S2-05 RESTRAINT BEAM TO PRIMARY BEAM CONNECTION - 01

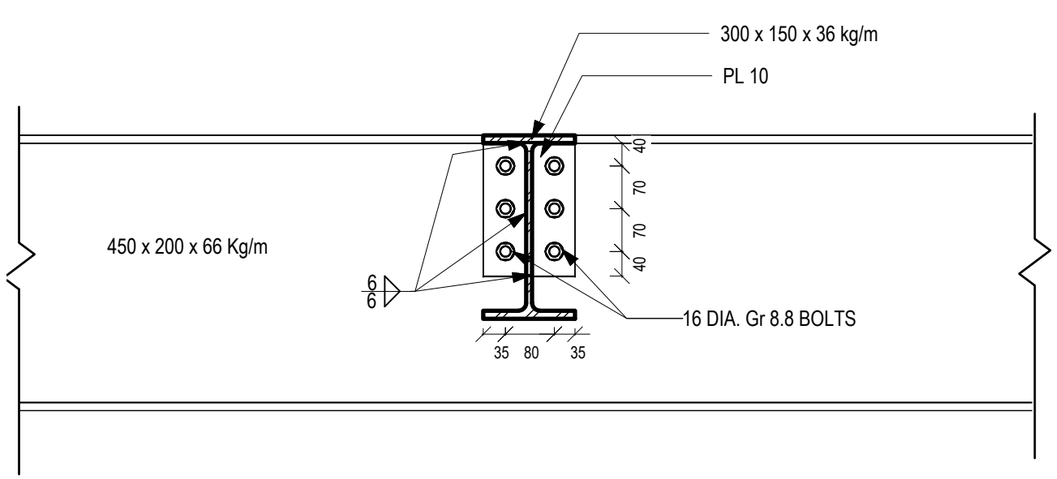
1 : 10





1 / S2-05 RESTRAINT BEAM TO SECONDARY BEAM CONNECTION - 02

1 : 10



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3. THE STRUCTURAL STEELWORKS SHOWN ON THE DRAWINGS HAS BEEN DESIGNED TO EN1993-1:1.
4. UNLESS OTHERWISE SPECIFIED, ALL STEEL MEMBERS SHALL BE OF GRADE S 275 COMPLYING TO BS EN 10025-2 OR EQUIVALENT.
5. ALL SET SCREW, NUT AND WASHERS ARE COMPLYING WITH DIN933 OR EQUIVALENT.
6. ALL GRADE 8.8 BOLTS SHALL COMPLY EN ISO 898-1 & ALL SET SCREW, NUT AND WASHERS ARE COMPLY WITH DIN 933 OR EQUIVALENT.
7. ALL WELDS SHALL COMPLY WITH BS EN 1011-4 & BS EN1011-2.
8. HIGH STRENGTH GROUT WITH A MINIMUM COMPRESSIVE STRENGTH OF 60N/mm2 AT 28 DAYS SHOULD BE USED AFTER THE ERECTION AND ALIGNMENT OF STEEL COLUMN.
9. ABBREVIATIONS

APS - AS PER SPECIFICATION
THK - THICKNESS
FW - FILLET WELD
RHS - RECTANGUALR HOLLOW SECTION
PL - PLATE
Ø - DIAMETER

Issue	Date	Detail	Design	Chkd	Apprd
	05/03/23	AQ	AP	AP	PAK

Client

International water Managment Institution (IWMI)
127, Sunil Mawatha, Battaramulla, 10120.

SHERAN HENRY ASSOCIATES
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Structural Engineer

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Job Title

Meeting Room Extention

Drawing Title

SECTION DETAIL 01

Scale at A3

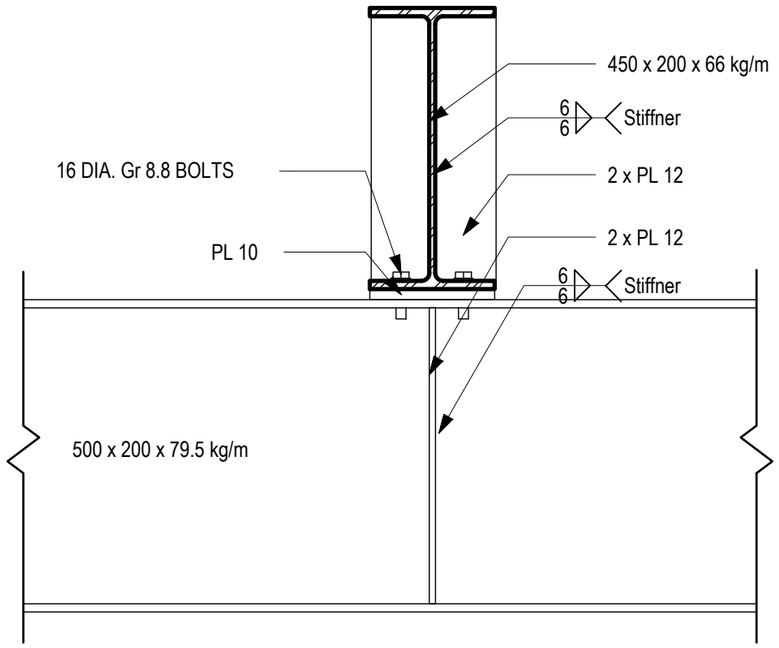
As indicated

Plot ID

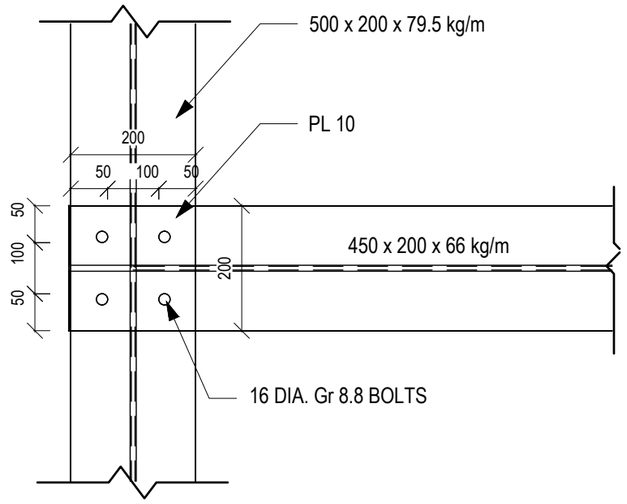
Drawing Status

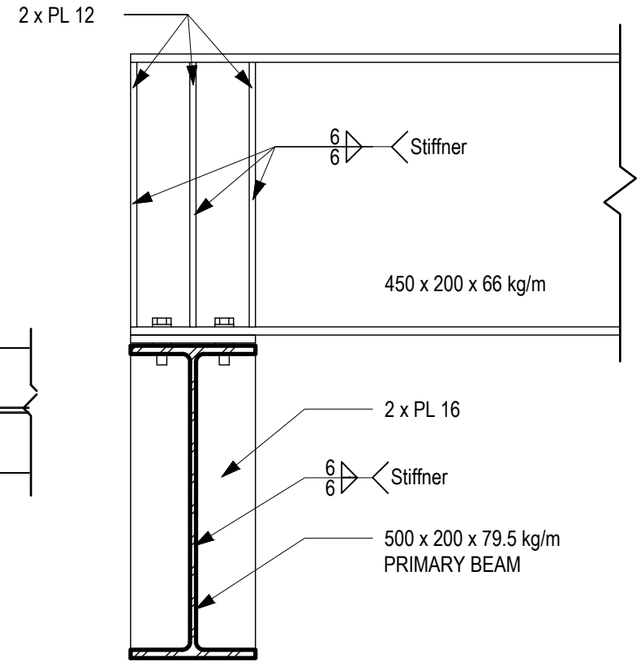
Information

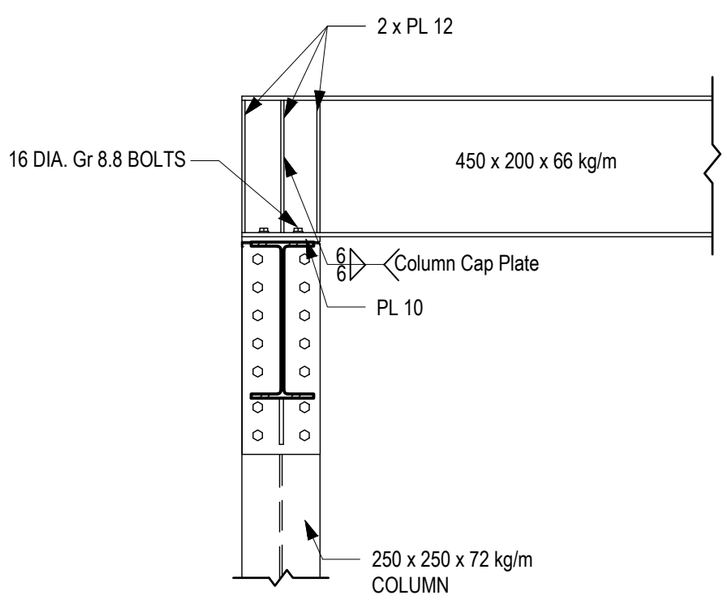
Job No	Drawing No	Issue
J010	ISDG/IWMI/J010-2023- S06	

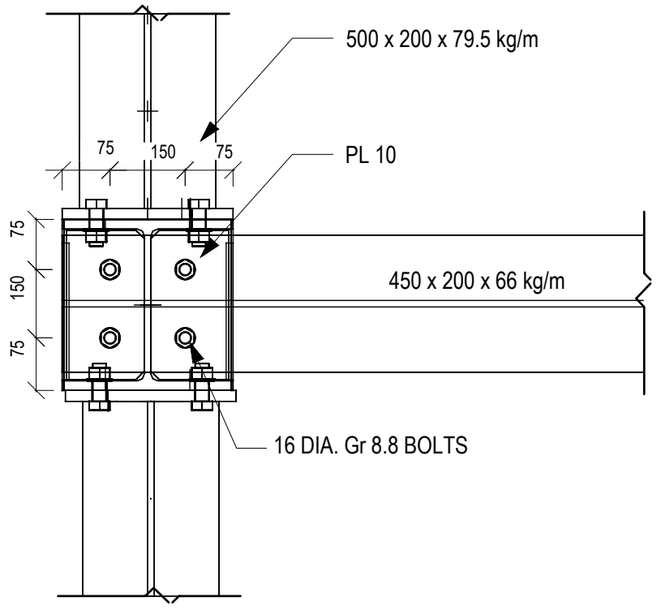


1 / S02-5 SECONDARY BEAM TO PRIMARY BEAM CONNECTION
1 : 10









1 / S02-5 SECONDARY BEAM TO COLUMN CONNECTION
1 : 20

GENERAL NOTE

1. ALL DIMENSION ARE IN mm UNLESS NOTED OTHERWISE.
2. ALL THE STRUCTURAL DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVENT ARCHITECTURAL DRAWING.
3. THE STRUCTURAL STEELWORKS SHOWN ON THE DRAWINGS HAS BEEN DESIGNED TO EN1993-1:1.
4. UNLESS OTHERWISE SPECIFIED, ALL STEEL MEMBERS SHALL BE OF GRADE S 275 COMPLYING TO BS EN 10025-2 OR EQUIVALENT.
5. ALL SET SCREW, NUT AND WASHERS ARE COMPLYING WITH DIN933 OR EQUIVALENT.
6. ALL GRADE 8.8 BOLTS SHALL COMPLY EN ISO 898-1 & ALL SET SCREW, NUT AND WASHERS ARE COMPLY WITH DIN 933 OR EQUIVALENT.
7. ALL WELDS SHALL COMPLY WITH BS EN 1011-4 & BS EN1011-2.
8. PROPRIETARY NON-SHRINK GROUT WITH A MINIMUM COMPRESSIVE STRENGTH OF 60N/mm2 AT 28 DAYS SHOULD BE USED AFTER THE ERECTION AND ALIGNMENT OF STEEL FRAME/COLUMN.
9. ABBREVIATIONS

   APS - AS PER SPECIFICATION
   THK - THICKNESS
   FW - FILLET WELD
   RHS - RECTANGUALR HOLLOW SECTION
   PL - PLATE
   ∅ - DIAMETER

	05/03/23	AQ	AP	AP	PAK

Issue	Date	Detail	Design	Chkd	Apprd

Client

IWMI International water Managment Institution (IWMI)
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Job Title

Meeting Room Extention

Drawing Title

SECTION DETAIL 2

Scale at A3

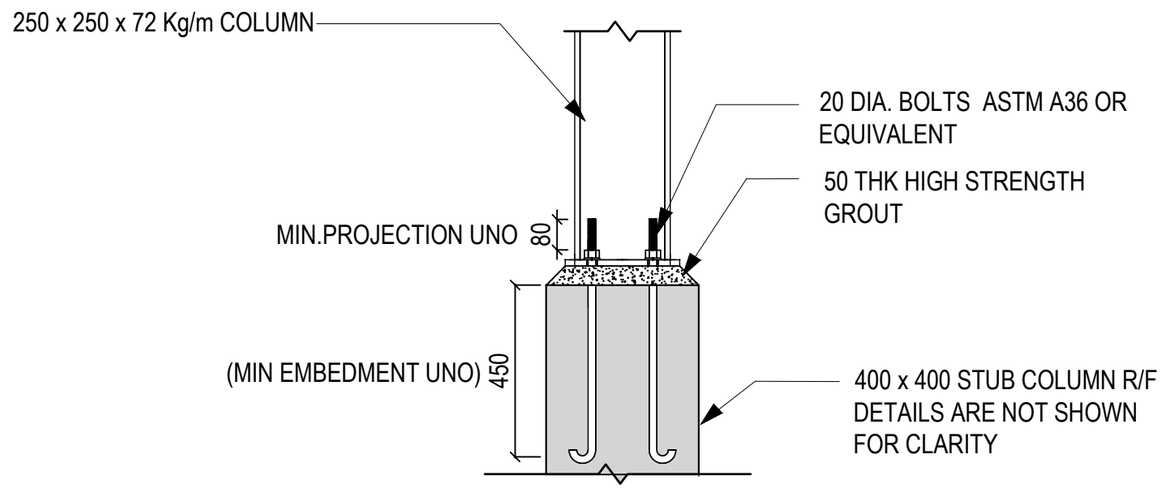
As indicated

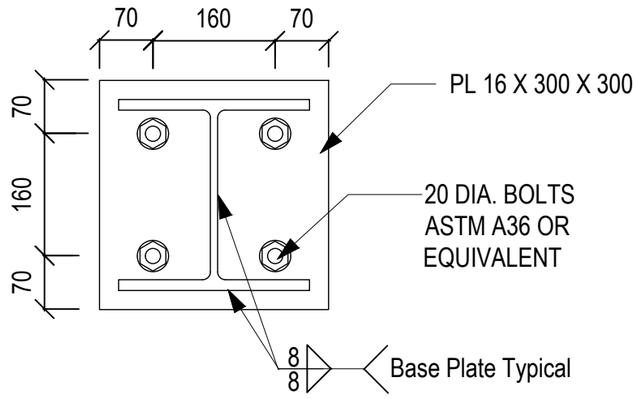
Plot ID

Drawing Status

Information

Job No	Drawing No	Issue
J010	ISDG/IWMI/J010-2023- S07	





1 / S2-05 BASE PLATE DETAIL
1 : 12, 1 : 8

GENERAL NOTE

1. ALL DIMENSION ARE IN mm UNLESS NOTED OTHERWISE.
2. ALL THE STRUCTURAL DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVENT ARCHITECTURAL DRAWING.
3. THE STRUCTURAL STEELWORKS SHOWN ON THE DRAWINGS HAS BEEN DESIGNED TO EN1993-1:1.
4. UNLESS OTHERWISE SPECIFIED, ALL STEEL MEMBERS SHALL BE OF GRADE S 275 COMPLYING TO BS EN 10025-2 OR EQUIVALENT.
5. ALL SET SCREW, NUT AND WASHERS ARE COMPLYING WITH DIN933 OR EQUIVALENT.
6. ALL GRADE 8.8 BOLTS SHALL COMPLY EN ISO 898-1 & ALL SET SCREW, NUT AND WASHERS ARE COMPLY WITH DIN 933 OR EQUIVALENT.
7. ALL WELDS SHALL COMPLY WITH BS EN 1011-4 & BS EN1011-2.
8. PROPRIETARY NON-SHRINK GROUT WITH A MINIMUM COMPRESSIVE STRENGTH OF 60N/mm2 AT 28 DAYS SHOULD BE USED AFTER THE ERECTION AND ALIGNMENT OF STEEL FRAME/COLUMN.
9. ABBREVIATIONS

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   THK - THICKNESS
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   PL - PLATE
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	05/03/23	AQ	AP	AP	PAK

Issue	Date	Detail	Design	Chkd	Apprd

Client

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Job Title

Meeting Room Extention

Drawing Title

BASE PLATE DETAIL

Scale at A3

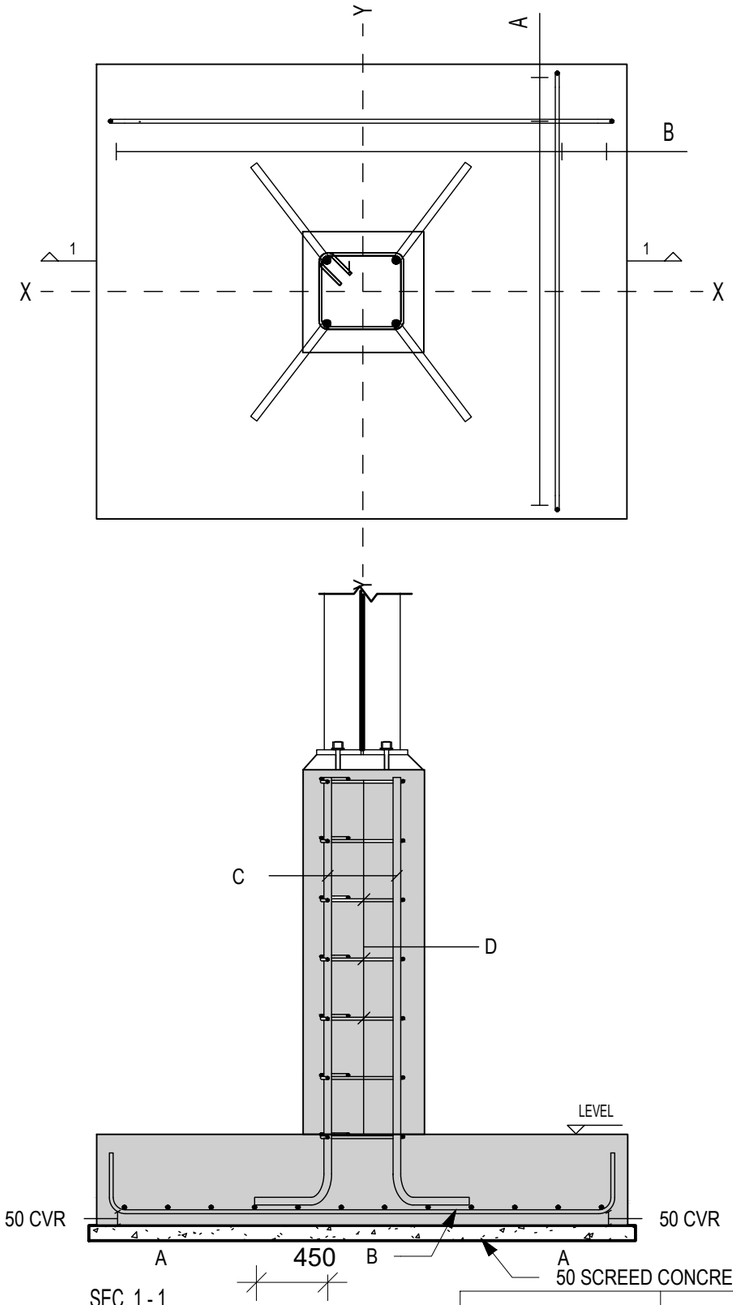
As indicated

Plot ID

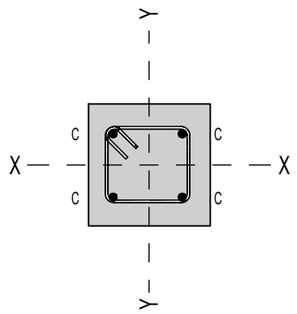
Drawing Status

Information

Job No	Drawing No	Issue
J010	ISDG/IWMI/J010-2023- S08	



SEC. 1 - 1



SEC. 2 - 2

Y-Y Relates to Lettered Grids

X-X Relates to Numbered Grids

COLUMN REFERENCE	NO OFF	BASE LEVEL	BASE STEEL		CAGE SEC.	STARTERS	
			MK A	MK B		MK C	MK D
E128a, G128a E129a, G129a	4	100.3	11H12 01 150	17H12 02 150	2-2	4H25 07	8H08 08 200
E130a, G130a	2	100.3	11H12 03 150	13H12 04 150	2-2	4H25 07	8H08 08 200
E127a, G127a	2	100.3	8H12 05 200	8H12 06 200	2-2	4H25 07	8H08 08 200

1 / S02-5 FOOTING REINFORCEMENT DETAIL
1 : 20

GENERAL NOTE

1. ALL DIMENSION ARE IN mm UNLESS NOTED OTHERWISE.
2. ALL THE STRUCTURAL DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVENT ARCHITECTURAL DRAWING.
3. THE REINFORCED CONCRETE WORKS SHOWN ON THE DRAWINGS HAS BEEN DESIGNED TO EN1992-1:1.
4. CONCRETE COVER OF REINFORCEMENT TO BE:- Cnom INTERNAL FACE 35mm AND EXTERNAL FACE 50mm
5. THE GRADE OF CONCRTE TO BE C25/30 UNLESS OTHER WISE NOTED.

Issue	Date	Detail	Design	Chkd	Apprd
	05/03/23	AQ	AP	AP	PAK

Client

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Job Title

Meeting Room Extention

Drawing Title

FOOTING DETAIL

Scale at A3

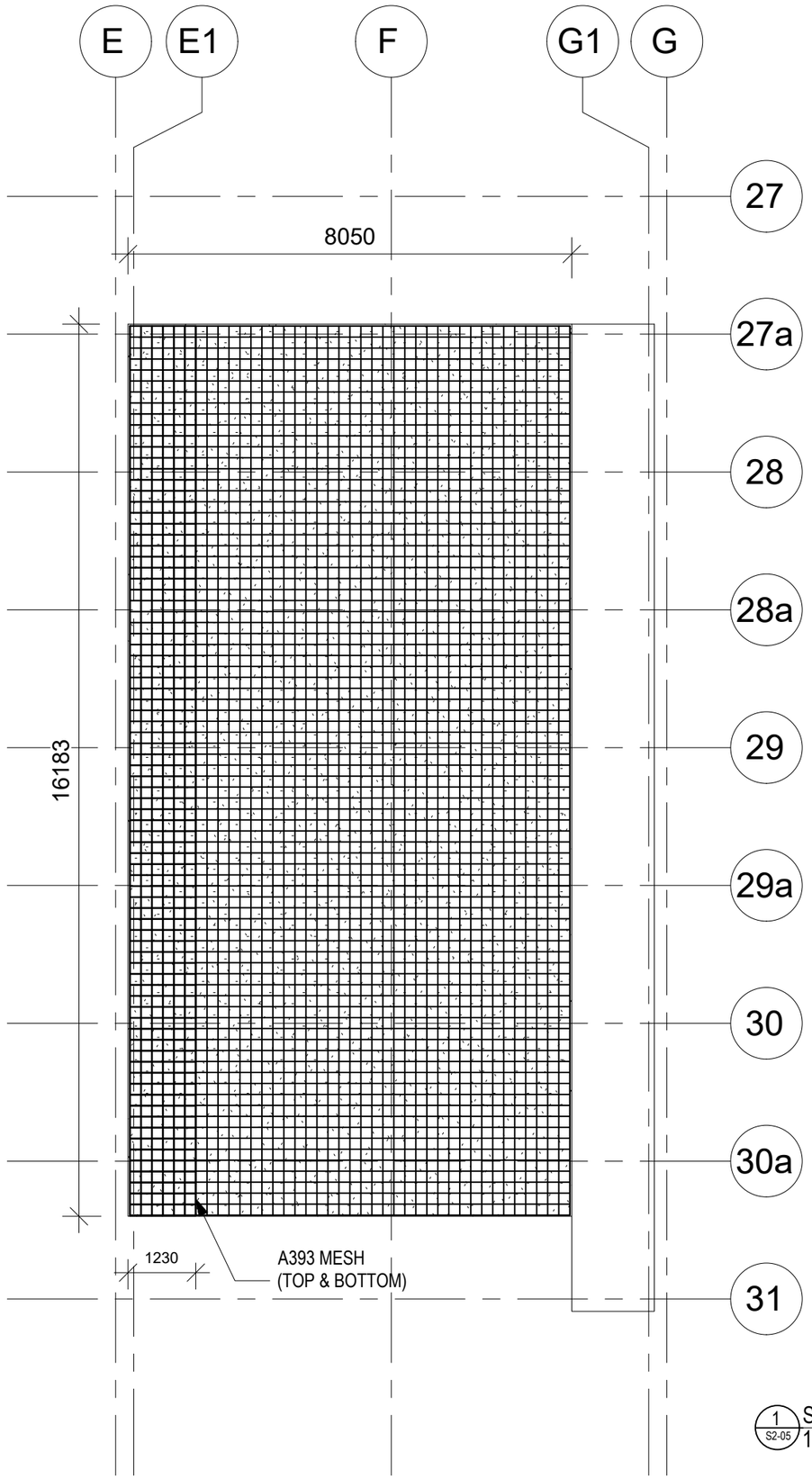
As indicated

Plot ID

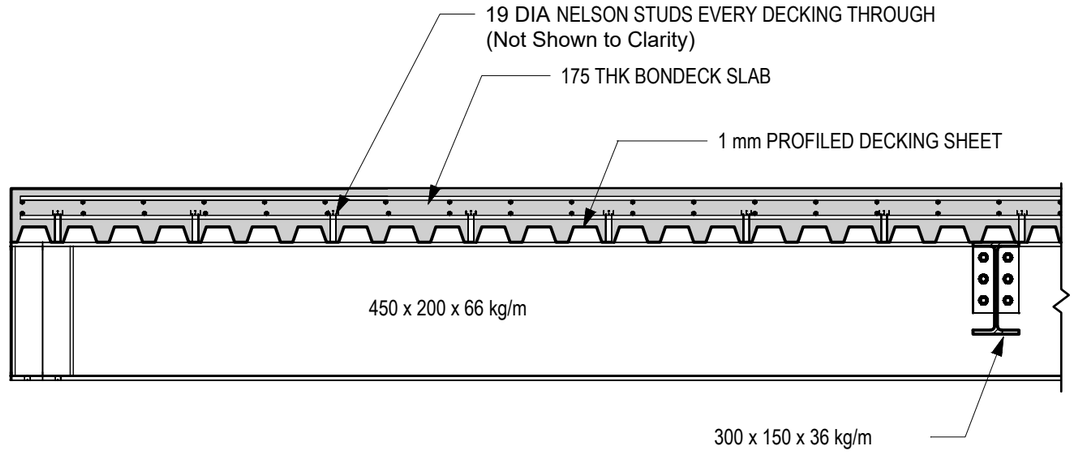
Drawing Status

Information

Job No	Drawing No	Issue
J010	ISDG/IWMI/J010-2023- S09	



1 / S2-05 SLAB REINFORCEMENT DETAIL
1 : 100



GENERAL NOTE

1. THE COMPOSITE BEAMS AND BONDECK SLABS SHOWN ON THE DRAWINGS HAS BEEN DESIGN TO BS EN 1994-1-1.
2. UNLESS OTHERWISE SPECIFIED ALL BARE STEEL MEMBERS SHALL BE OF GRADE S 275 COMPLYING TO BS EN 10025-2 OR EQUIVALENT.
3. CONCRETE GRADE C25/30 SHOULD BE USED FOR BONDECK SLAB.

PROFILE DECKING SHEET

1. DECKING SHEETS SHOULD BE HOT DIPPED ZINC COATED HIGH STRENGTH WITH MINIMUM 550 MPa YIELD STRENGTH AND COATING MASS OF Z 275 (MIN 275 g/m ^{2} TOTAL OR ZINC COATING ON BOTH SIDES).
2. ALL THE PROFILE DECKING SHEETS SHOULD BE COMPLIANCE TO BS EN 10147 : 2000.

STUD & STUD THROUGH WELDING DECK

1. ALL STUDS SHOULD BE LOW CARBON STEEL, WITH A MINIMUM YIELD STRENGTH OF 350 N/mm ^{2} AND MINIMUM TENSILE STRENGTH OR 450 N/mm ^{2} IN ACCORDANCE WITH BS EN ISO 13918
2. DRAWN ARC STUD WELDING PROCESS MUST BE FOLLOWED FOR THE STUD WELDING
3. ALL THE STUD WELDING SHOULD BE COMPLIANCE TO EN ISO 14555 : 247 ARC STUD WELDING OR METALIC MATERIALS
4. TOP FLANGES OF BEAMS MUST BE UNPAINTED, WHERE THE STUDS ARE TO BE WELDED.
5. THE BEAMS SHOULD BE FREE OF DIRTS SAND AND OTHER MATERIALS
6. THE BEAMS SHOULD BE FREE OF HEAVY RUST AND MILL SCALE

Issue	Date	Detail	Design	Chkd	Apprd
	05/03/23	AQ	AP	AP	PAK

Client

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Job Title

Meeting Room Extention

Drawing Title

SLAB REINFORCEMENT

Scale at A3

As indicated

Plot ID

Drawing Status

Information

Job No	Drawing No	Issue
J010	ISDG/IWMI/J010-2023- S10	