

**LEGENDS:**

- [Hatched Box] - PLATERED CEILING AREAS
- [Hatched Box] - 200 LOAD BEARING WALL

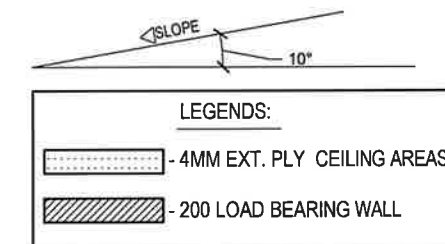
**NOTE:**

- GROUND, 1ST, 2ND FLOOR ARE IDENTICAL

GROUND FLOOR LEVEL - 2ND FLOOR LEVEL REFLECTED CEILING PLAN  
SCALE 1:100

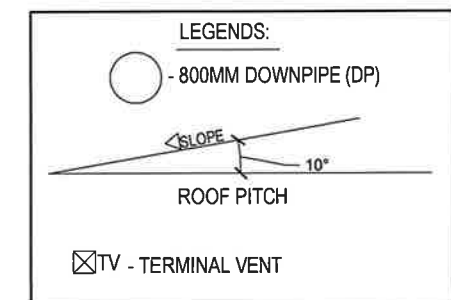
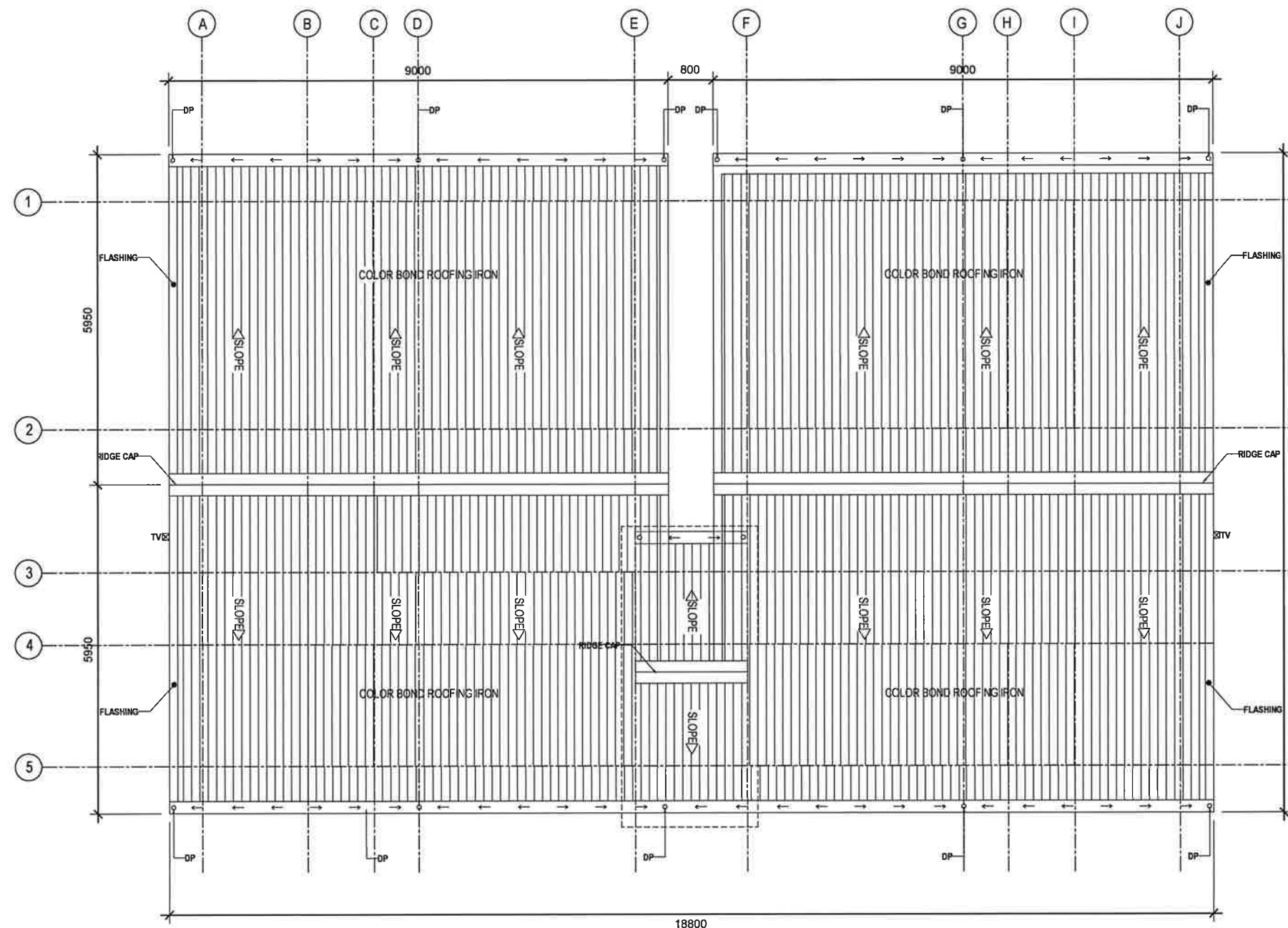
FOR TENDER ISSUES





3RD FLOOR LEVEL REFLECTED CEILING PLAN  
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FOR TENDER ISSUES



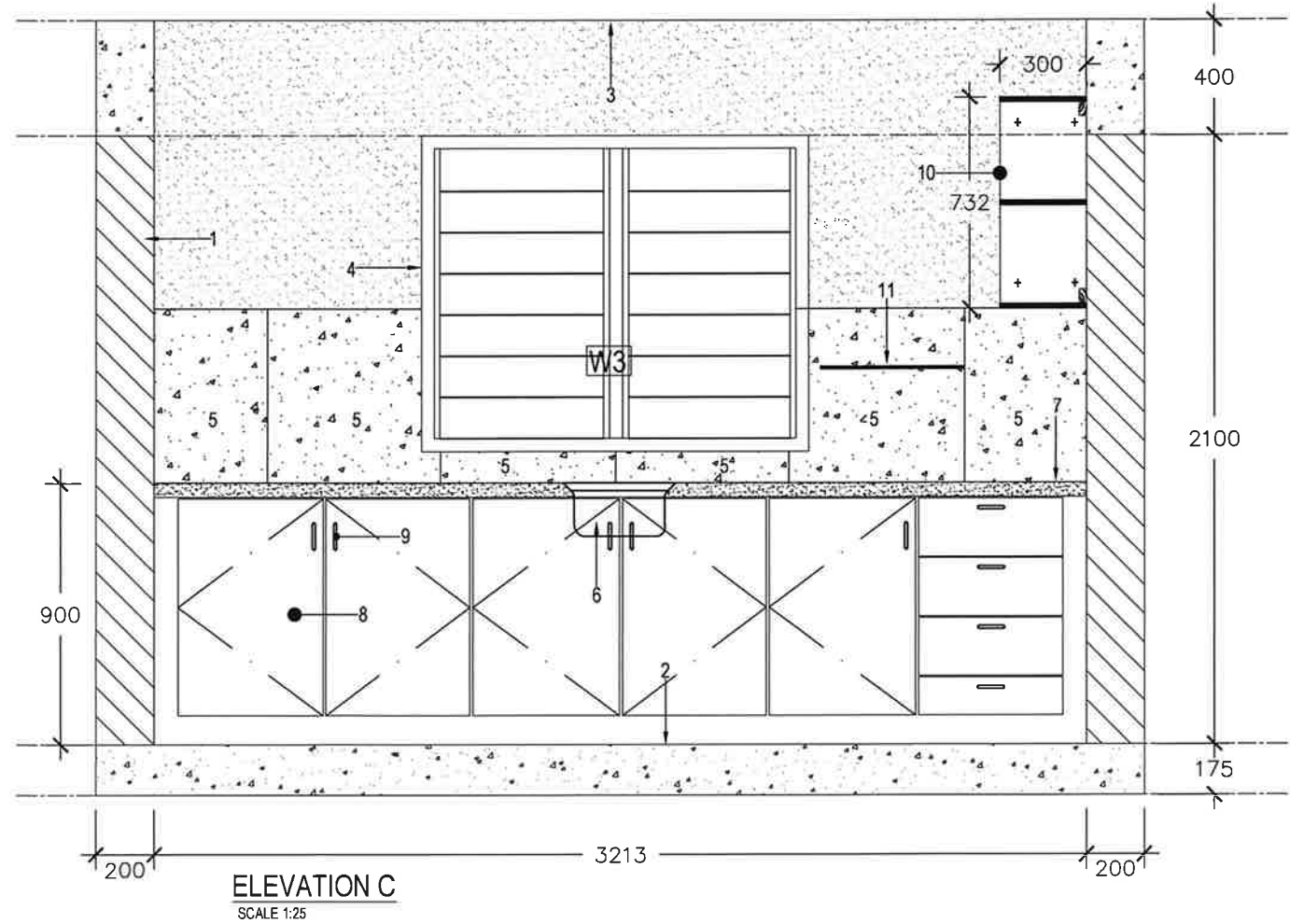
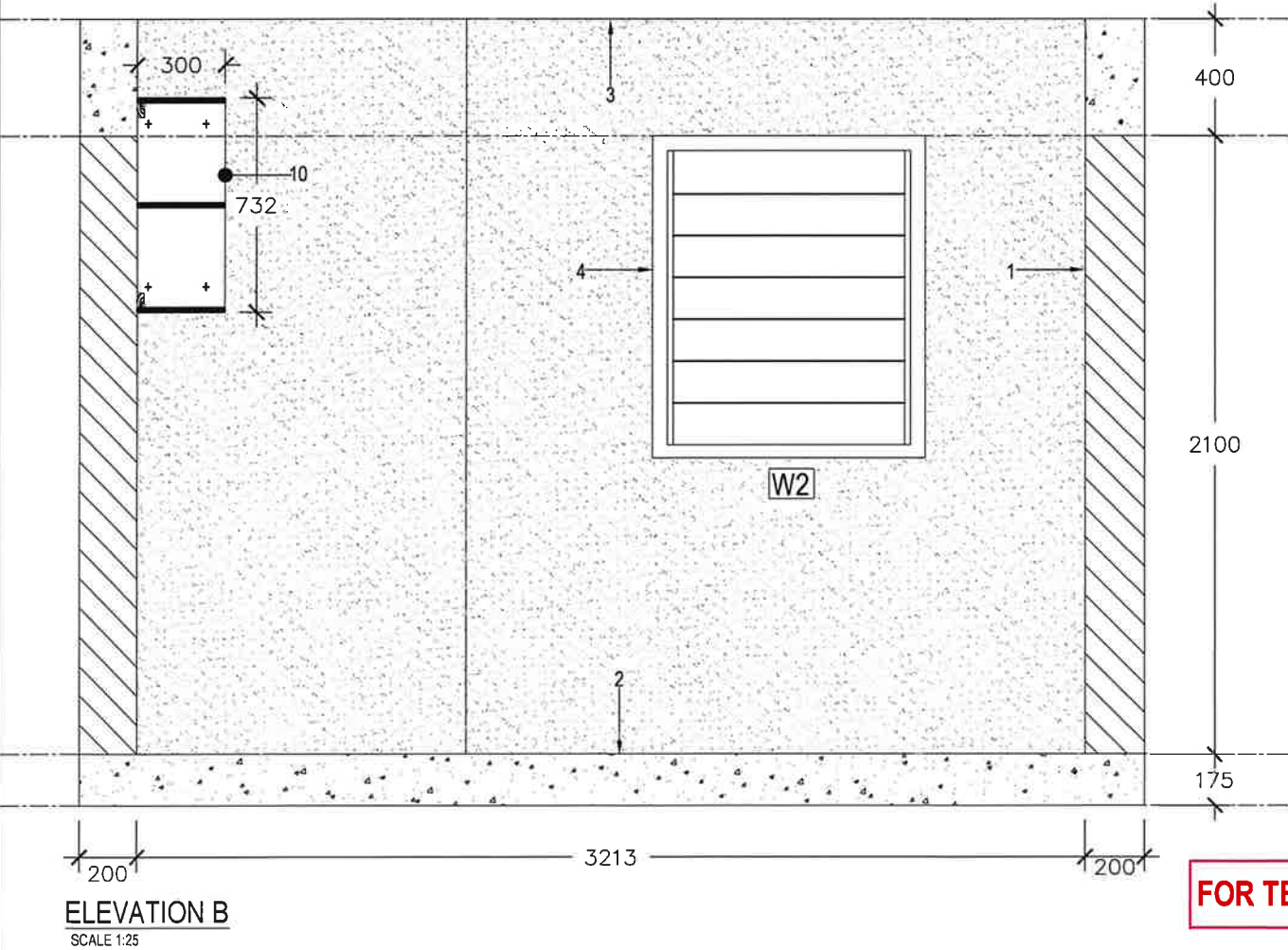
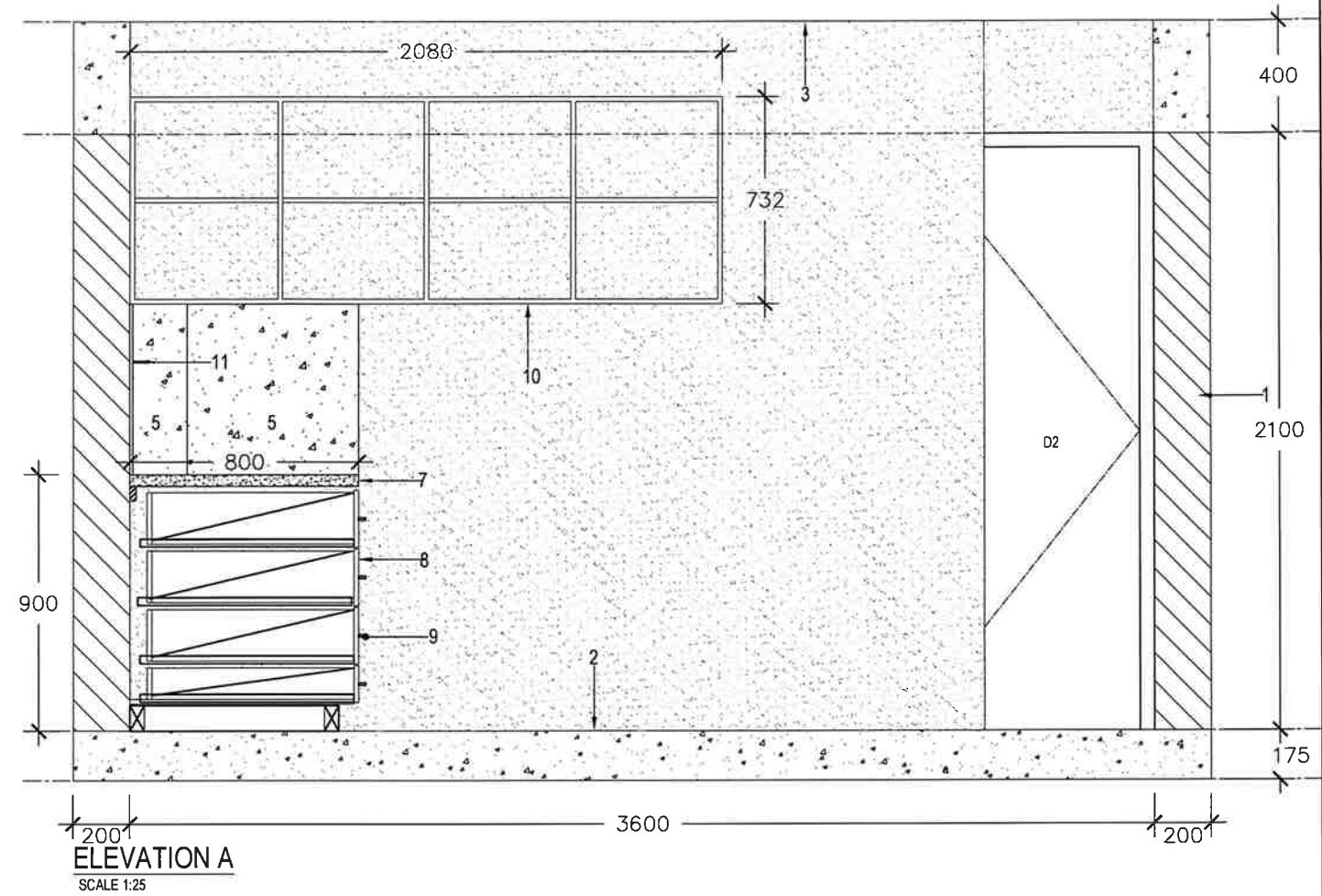
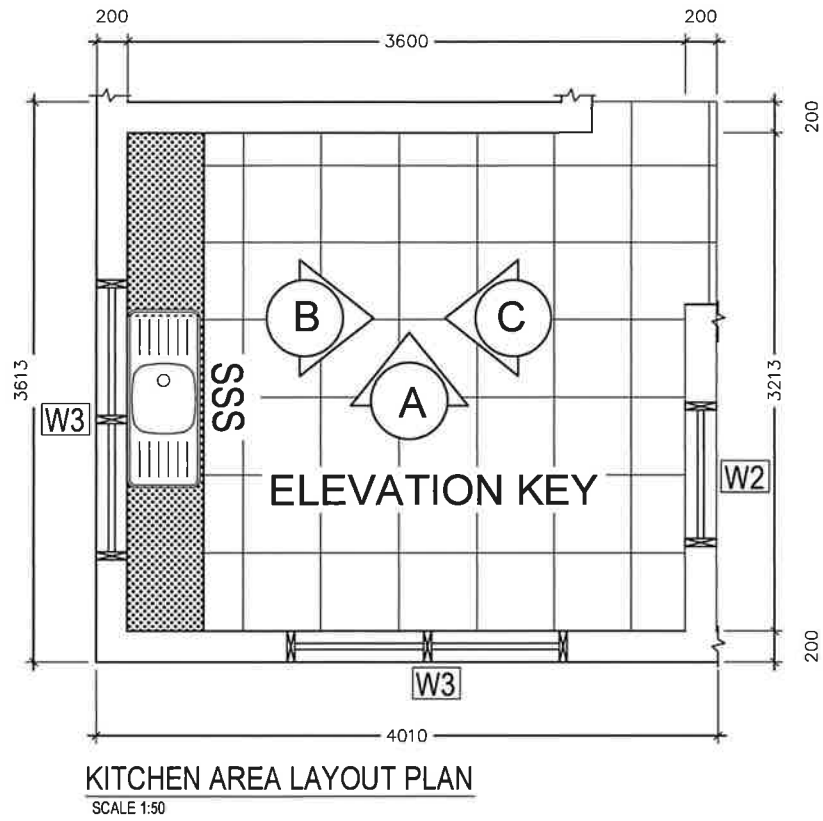
ROOFING PLAN  
SCALE 1:100

FOR TENDER ISSUES



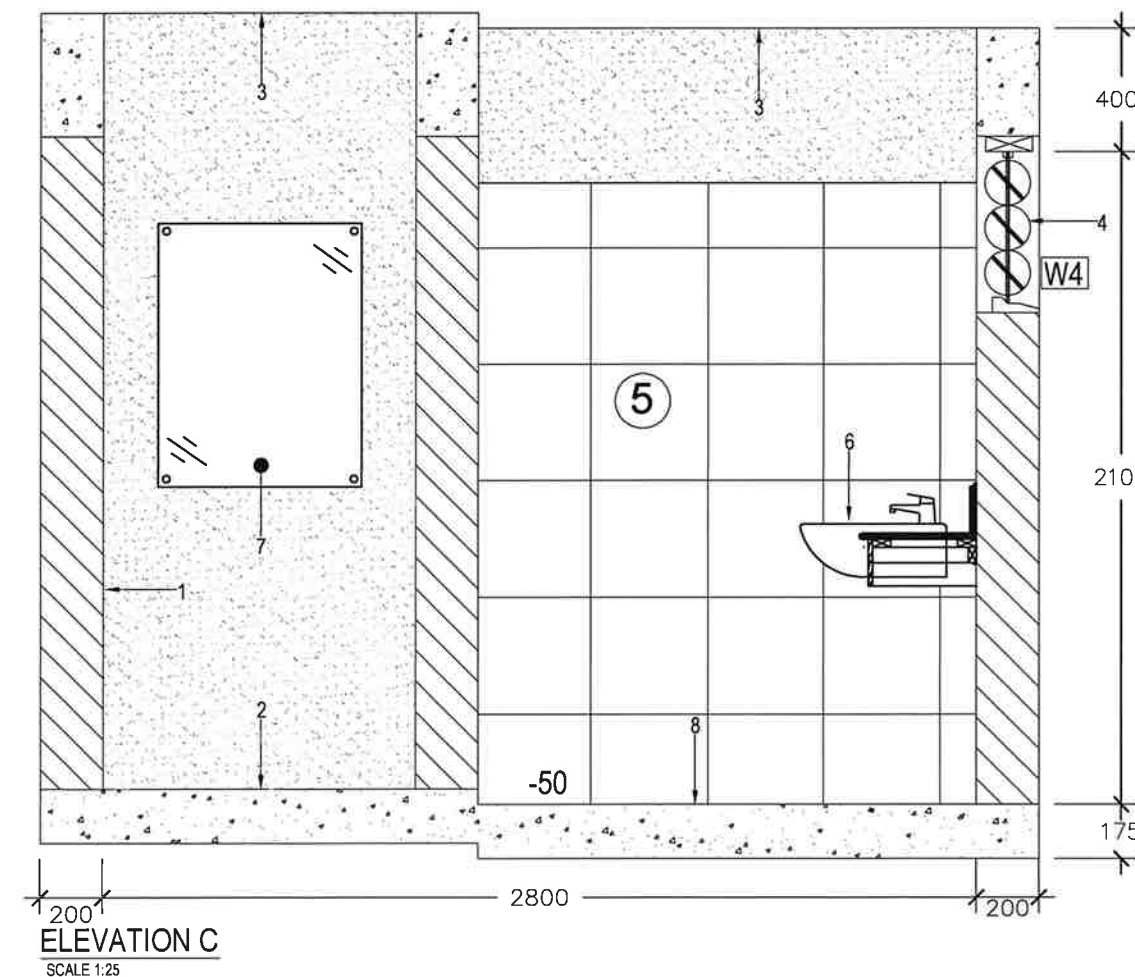
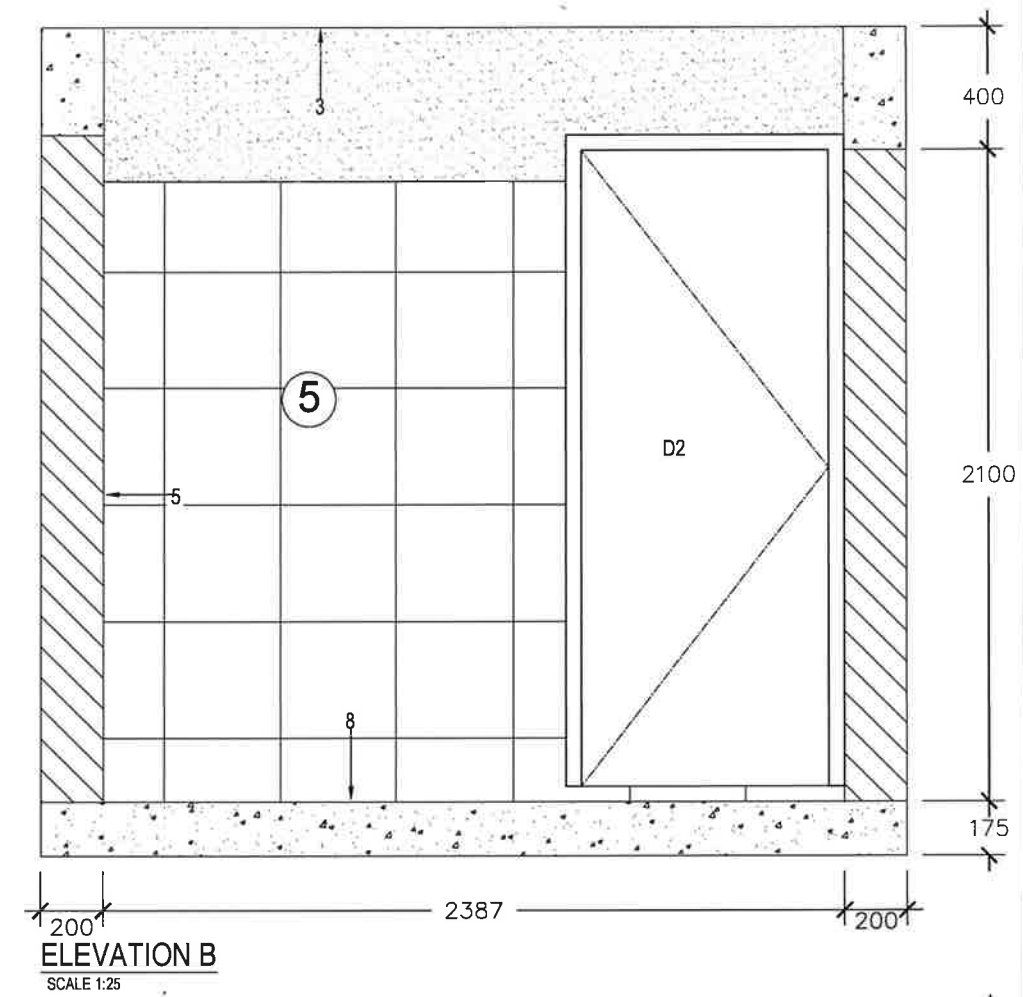
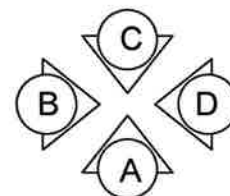
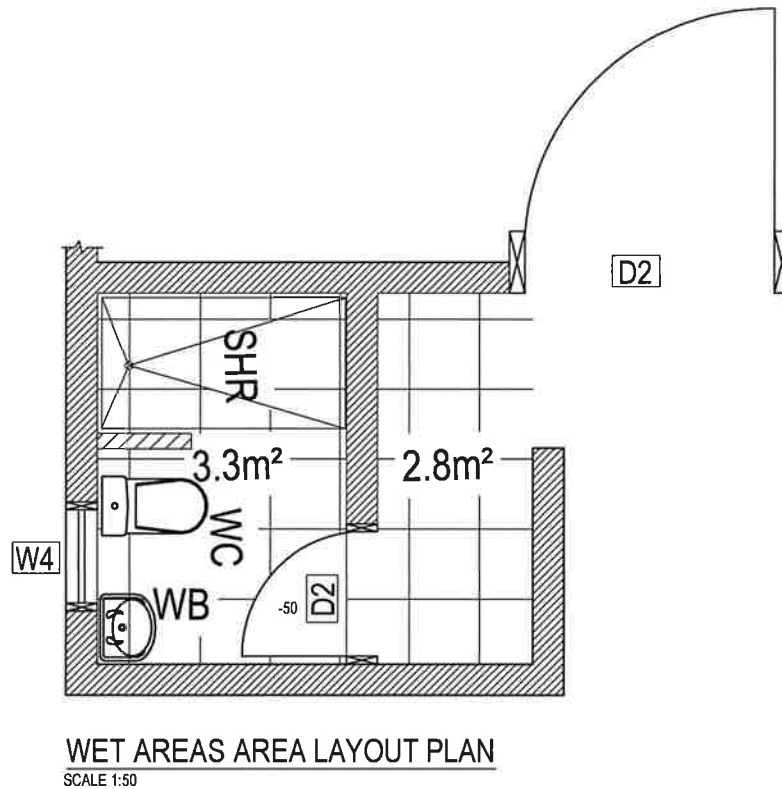
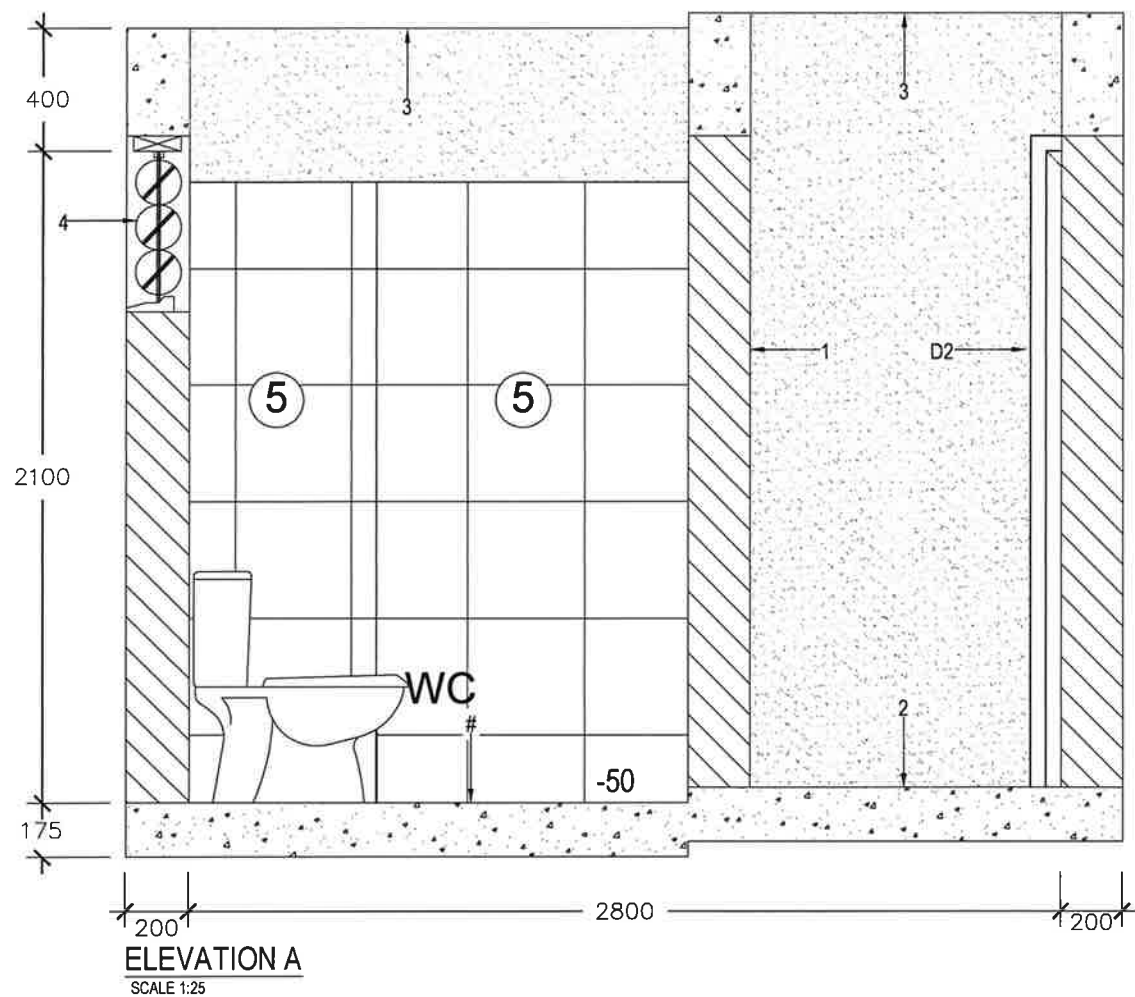
NOTE:

- 1- BLOCKWALL PLASTERED AND PAINTED FROM BOTHSIDES OR  
TILED AS PER ARCHITECTS INSTRUCTION
- 2- SELECTED 600 X 600 FLOOR TILES ON CONCRETE FLOOR SELECTED BY  
CLIENT
- 3- CEILING PLASTERED AND PAINTED FROM FROM GROUND FL - 2ND FL &  
4MM EXT. CEILING NAILED TO 50x50 NOGS AT 600 CRS BOTHSIDES WITH  
CORNICE ALL AROUND ONLY AT 3RD FL
- 4- WINDOWS AS PER SCHEDULE
- 5- 600 X 300 WALL TILES SELECTED BY CLIENTS
- 6- SINGLE STAINLESS STEEL SINK
- 7- SELECTED GRANITE TOP AND EDGES TO BE FINISHED OFF BY  
SELECTED BULLNOSE
- 8- SELECTED LAMINATED FINISH TO DOORS AND  
INSIDES ON 16MM EXT.PLY BOARDS
- 9- SELECTED "D" PULLS
- 10- LAMINATED FINISH TO SIDES OF 16MM EXT.PLY BOARDS  
(OPEN SHELVES)
- 11- CHROME TOWEL RAIL WITH BRACKETS



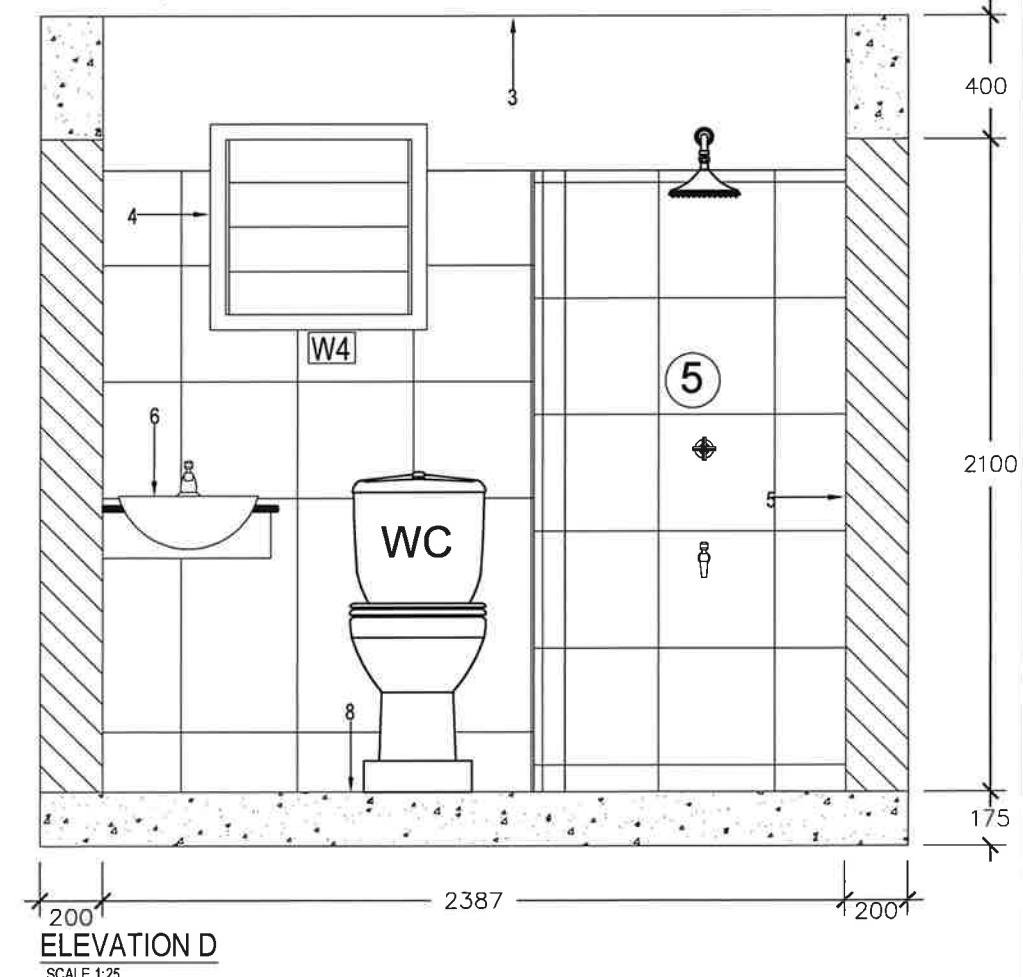
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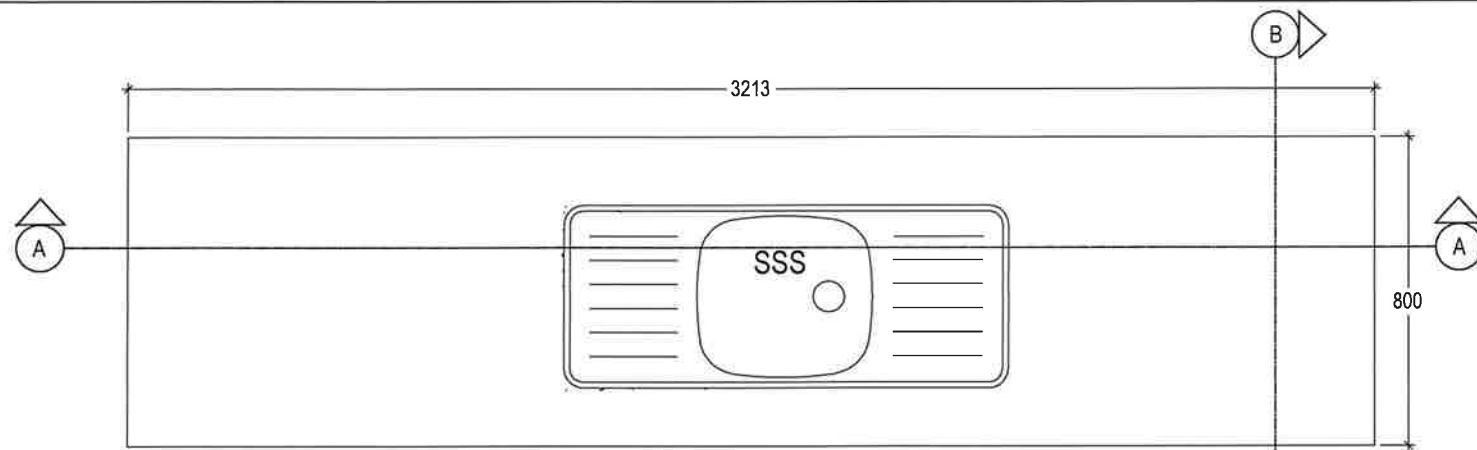


**NOTE:**  
 D2 - 2100 x 800 -35MM- INT. DOOR  
 WC - ALL WC'S ARE TO BE CAROMA/STYLUS BRAND WITH CISTERN TO BE SIDE ENTRY & 'P' TYPE TOILET PAN  
 1 - BLOCKWALL PLASTERED AND PAINTED FROM BOTH SIDES OR TILED AS PER ARCHITECT'S INSTRUCTION  
 2 - SELECTED 600 X 600 FLOOR TILES ON CONCRETE FLOOR SELECTED BY CLIENT  
 3 - CEILING PLASTERED AND PAINTED FROM GROUND FL - 2ND FL & 4MM EXT. CEILING NAILED TO 50x50 NOGS AT 600 CRS BOTH SIDES WITH CORNICE ALL AROUND ONLY AT 3RD FL  
 4 - WINDOWS AS PER SCHEDULE  
 5 - 600 X 300 WALL TILES SELECTED BY CLIENTS  
 6 - HAND BASIN  
 7 - FULL WIDTH 6MM MIRROR WITH BEVELLED EDGES & CHROME HEADED SCREWS  
 8 - SELECTED 600 X 600 PORCEIN FLOOR TILES ON CONCRETE FLOOR SELECTED BY CLIENT

**FOR TENDER ISSUES**

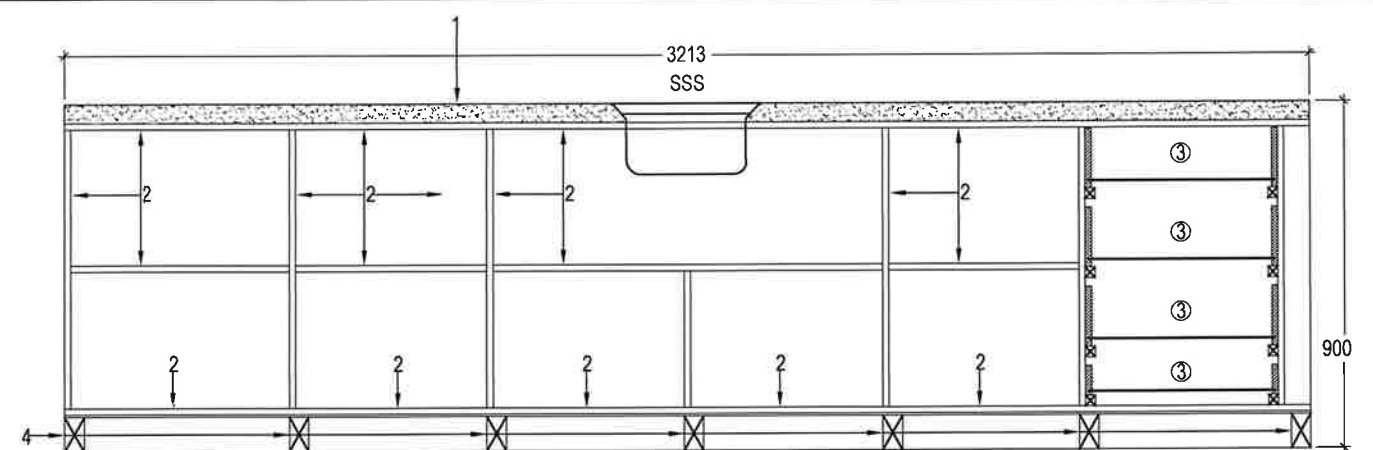






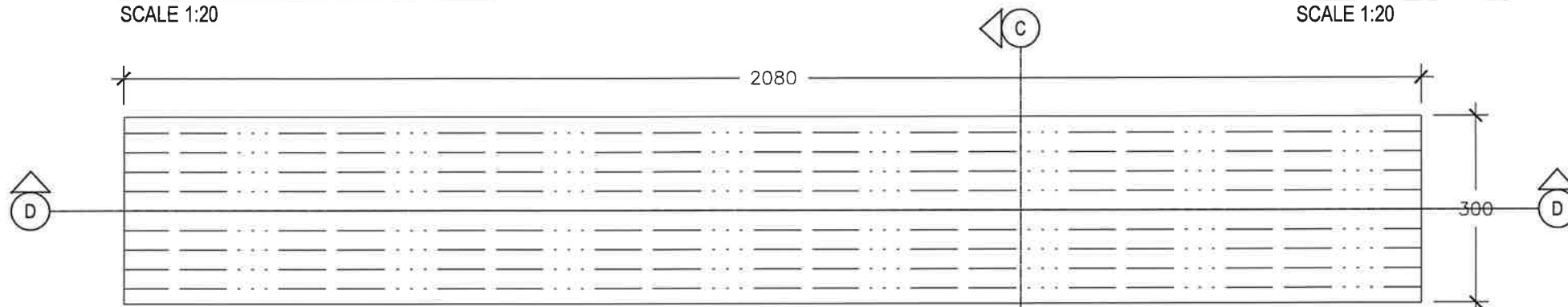
**SINK BENCH PLAN VIEW**

SCALE 1:20



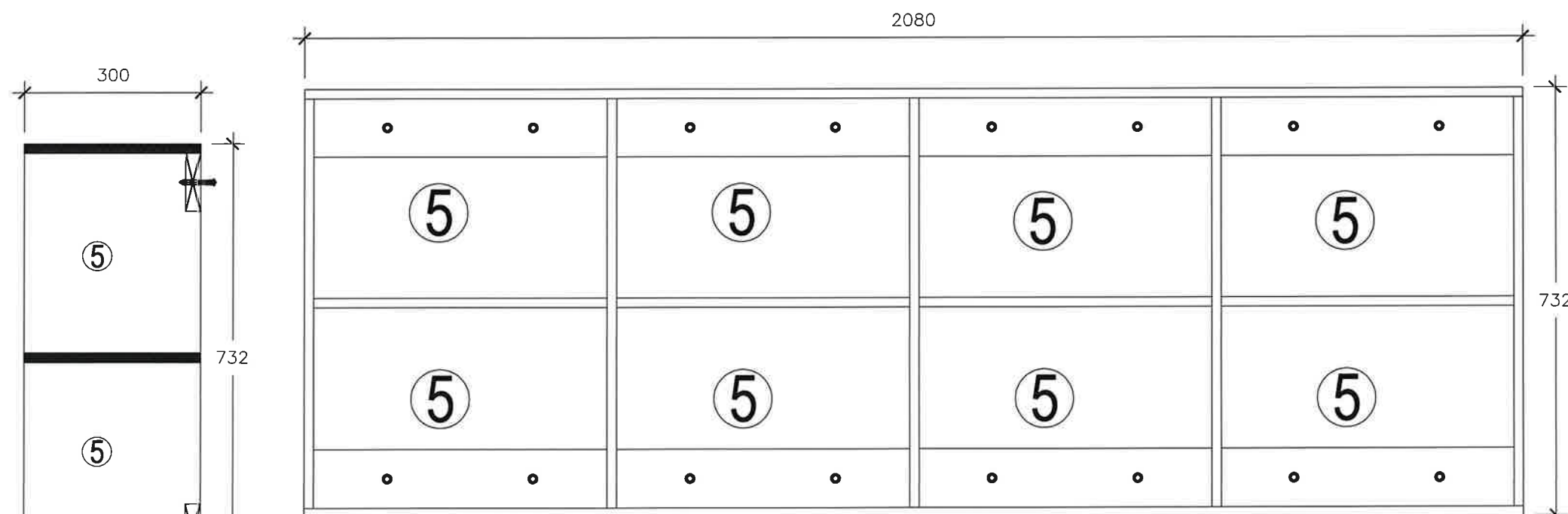
**SECTION A-A**

SCALE 1:20



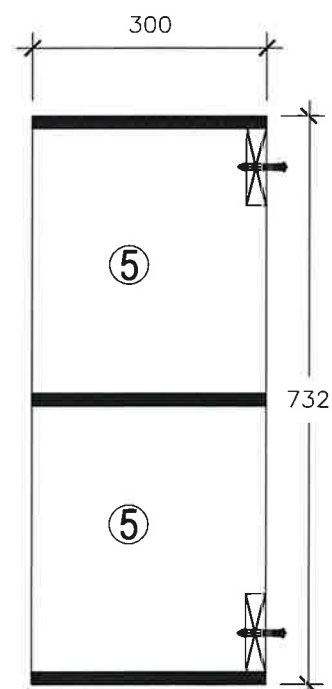
**OVERHEAD SHELVES PLAN VIEW**

SCALE 1:20



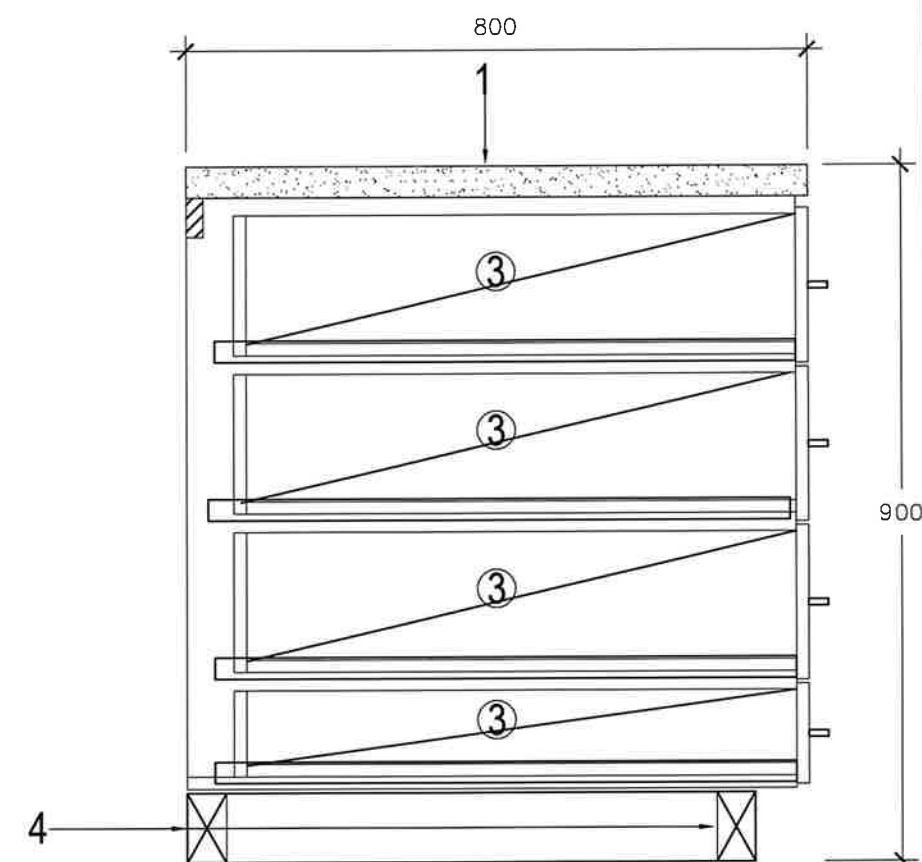
**SECTION D-D**

SCALE 1:10



**SECTION C-C**

SCALE 1:10



**SECTION B-B**

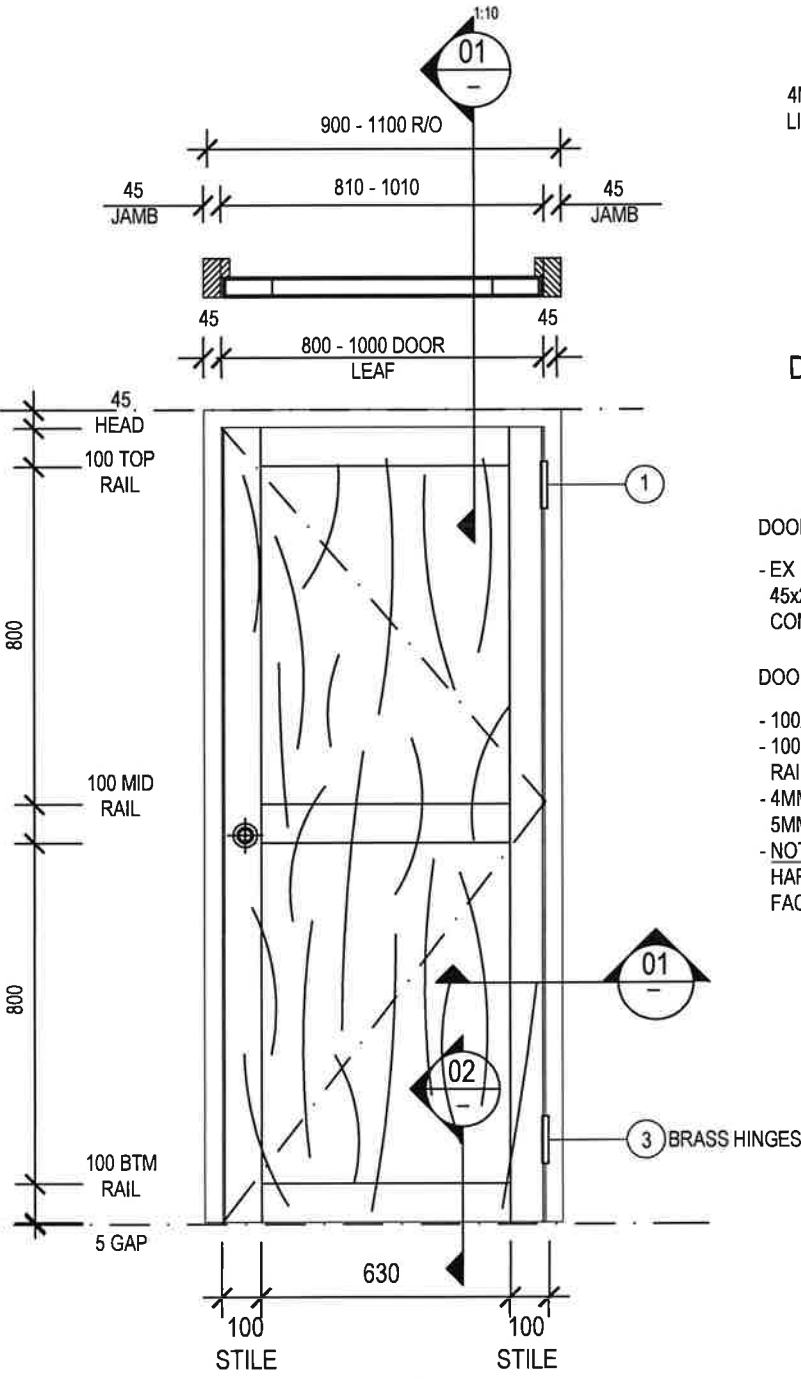
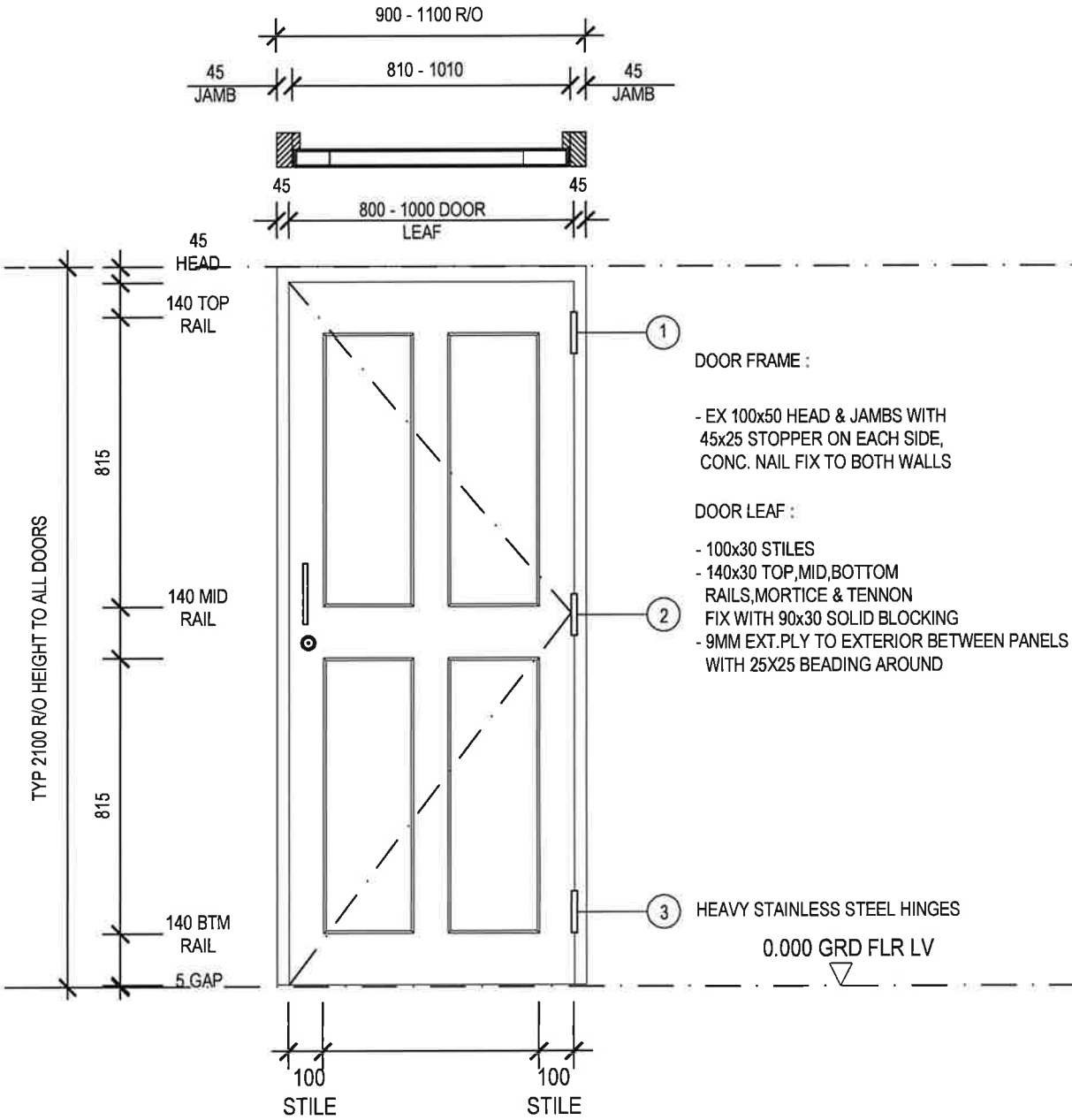
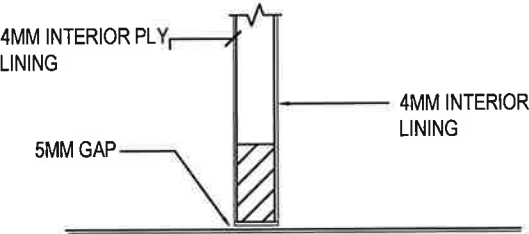
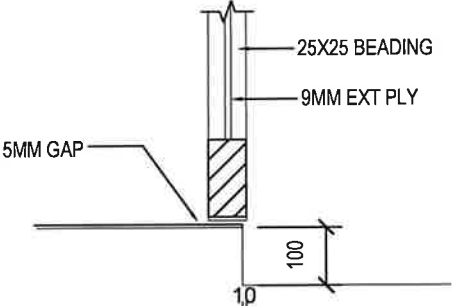
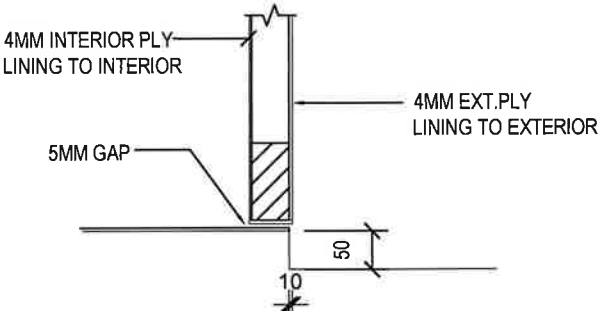
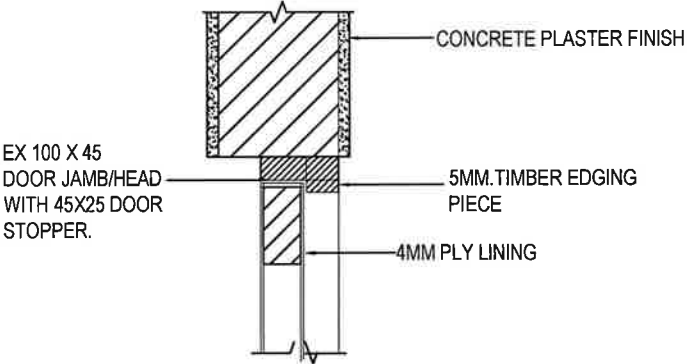
SCALE 1:10

**NOTE:**

- SSS - SINGLE BOWL STAINLESS STEEL SINK
- 1 - SELECTED GRANITE TOP AND EDGES TO BE FINISHED OFF BY SELECTED BULLNOSE
- 2 - 16MM EXT.PLY BOARDS SCREWED AS CARCASS & PARTITIONS WITH CONCEAL HINGES
- 3 - 16MM EXT.PLY BOARDS AS DRAWERS WITH SELECTED "D" PULLS
- 4 - 100 X 50 DRESSED TIMBER FRAME AS KICKERS
- 5 - 16MM EXT.PLY BOARDS SCREWED AS CARCASS SCREWED ONTO 100 X 25 DRESSED TIMBER WITH M10 X 75MM GALV. DYNA BOLTS

**FOR TENDER ISSUES**

DOOR HARDWARE:		
ITEM	HARDWARE	FINISH
Internal Doors	<ul style="list-style-type: none"> <li>• Brass butt hinges, as specified.</li> <li>• Brass spring Hinges to Toilet door</li> <li>• 2 - coat hooks to toilet door</li> <li>• Double acting brass spring hinges to kitchen door.</li> <li>• Mortice deadlock with 2 keys</li> <li>• Wall mounted rubber eye door stopper</li> </ul>	Stain chrome plated
Main Entrance Doors	<ul style="list-style-type: none"> <li>• Heavy stainless steel hinges</li> <li>• Cylinder mortice locks</li> <li>• Wall mounted rubber eye door stopper</li> </ul>	



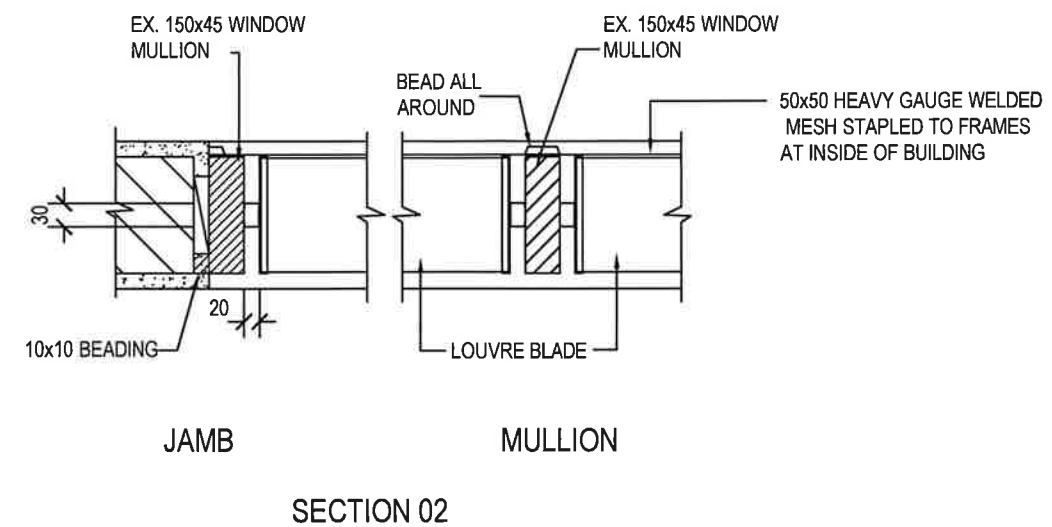
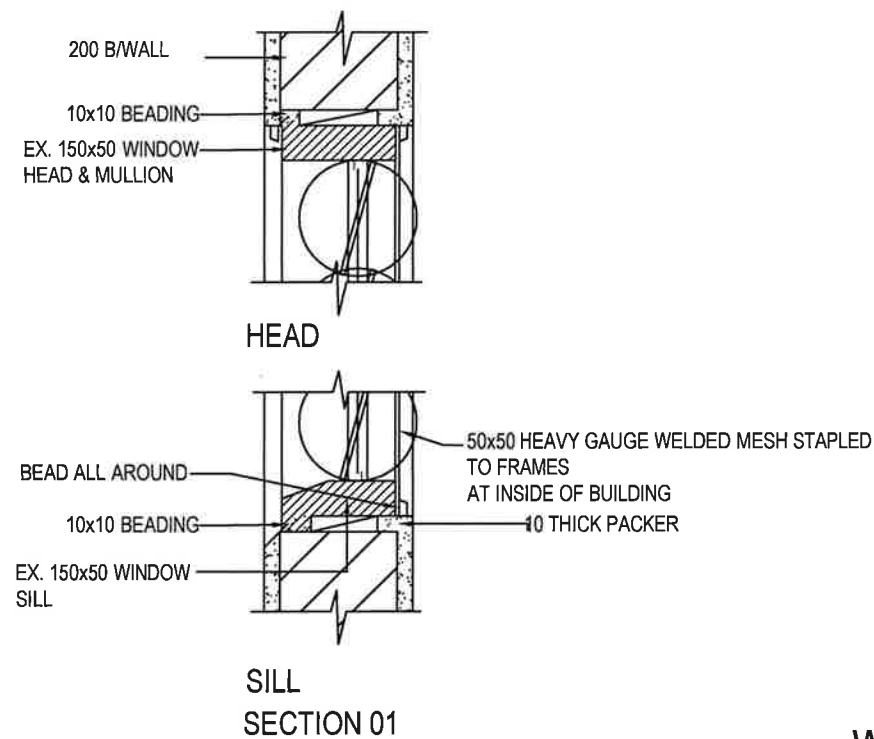
DOOR FRAME :

- EX 100x50 HEAD & JAMBS WITH 45x25 DOOR STOPPER ON EACH SIDE, CONC. NAIL FIX TO BOTH WALLS

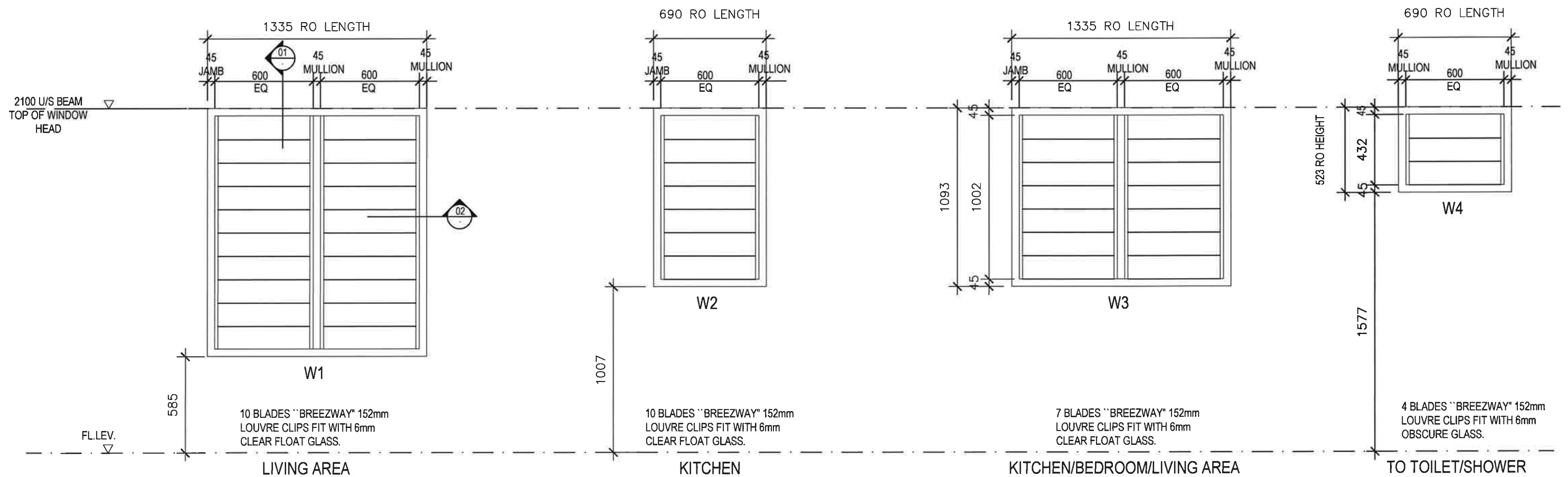
DOOR LEAF :

- 100x30 STILES
- 100x30 TOP, MIDDLE, BOTTOM RAILS WITH DOWELLED JOINTS
- 4MM INT. PLY TO BOTH SIDES WITH 5MM TIMBER EDGING PIECE
- NOTE FOR WET AREA - PROVIDE 4.5MM HARDIFLEX LINING TO BATHROOM FACE (Interior Lining)

FOR TENDER ISSUES



## WINDOW DETAILS 1:10



## WINDOW SCHEDULE

1:25

FOR TENDER ISSUES



PROPOSED NEW DEVELOPMENT 4 - STOREY  
BUILDING FOR PUBLIC RENTAL BOARD AT LOT 1 DP 10859  
LAGILAGI ESTATE,GAJI ROAD, SUVA

STRUCTURAL DRAWINGS - 4 STOREY



SUVA  
132 GRANTHAM RD  
RAIWAI  
PHONE 3387787  
FAX 3370105  
EMAIL: info@prb.com.fj  
www.wix.com/prbfj/prbwebsite

LAUTOKA  
12 HECTOR ST  
NATOKOWAGA  
PHONE 6665717  
FAX 6666970

LABASA  
7 TUATUA ST  
LABASA  
PHONE 8816717  
FAX 8814233

FOR TENDER ISSUES

# GENERAL NOTES

## GENERAL

- G1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL AND OTHER CONSULTANTS' DRAWINGS, SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ANY DISCREPANCY SHALL BE REFERRED TO THE SUPERINTENDENTS FOR DECISION BEFORE PROCEEDING WITH THE WORK.
- G2. ALL DIMENSIONS ARE IN MILLIMETRES. DIMENSIONS SHALL NOT BE OBTAINED BY SCALING THE STRUCTURAL DRAWINGS. LEVELS SHOWN ON THE STRUCTURAL DRAWINGS ARE TO THE TOP OF STRUCTURAL CONCRETE OR STRUCTURAL STEELWORK UNLESS NOTED OTHERWISE.
- G3. SETTING OUT DIMENSIONS SHOWN ON THE DRAWINGS SHALL BE VERIFIED BY THE BUILDER.
- G4. DURING CONSTRUCTION THE STRUCTURE SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PART SHALL BE OVERSTRESSED. TEMPORARY BRACING SHALL BE PROVIDED BY THE BUILDER AS REQUIRED.
- G5. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE AS AND NZS CODES AND THE BY-LAWS AND ORDINANCES OF THE RELEVANT BUILDING AUTHORITIES.
- G6. REFER TO ARCHITECTURAL DRAWINGS FOR BLOCK WALL THICKNESS WHERE NOT MENTIONED ON THESE DRAWINGS AND FOR FALLS IN SLABS, EXTRA PACKING, WATERPROOFING MEMBRANES, CONTRACTION JOINT FILLING MATERIALS AND ALL OTHER ARCHITECTURAL FEATURES SUCH AS DRIP GROOVES, POUR BREAKS IN OFF-FORM CONCRETE, FILLETS AND THE LIKE.
- G7. THE STRUCTURAL WORK SHOWN ON THESE DRAWINGS HAS BEEN DESIGNED FOR THE FOLLOWING LIVE LOADS IN ACCORDANCE WITH NZS 4203.

FLOOR USAGE	LIVE LOAD (kPa)
SUSPENDED SLABS & STAIRS & LANDINGS	3.0 kPa 2.5 kPa

NOTE: A SUPERIMPOSED DEAD LOAD OF 1.0KPA HAS BEEN ALLOWED FOR PARTITIONS & SERVICES.

- G8. THE STRUCTURAL WORK SHOWN ON THESE DRAWINGS HAS BEEN DESIGNED FOR THE FOLLOWING WIND LOAD IN ACCORDANCE WITH AS 1170 PART 2.  
BASIC WIND VELOCITY: 66 M/S  
TERRAIN CATEGORY: VP = 2.5
- G9. THE STRUCTURAL WORK SHOWN ON THESE DRAWINGS HAS BEEN DESIGNED FOR EARTHQUAKE LOADS IN ACCORDANCE WITH NZ 4203: 1992 WITH ZONE FACTOR Z = 0.7.

## CIVIL NOTES

BEARING CAPACITY OF SOIL  
THE FOLLOWING VALUES HAVE BEEN ASSUMED FOR SOIL STRENGTH AT SITE:  
- MINIMUM CBR VALUE OF 5%  
- ALLOWABLE BEARING CAPACITY OF 100 KPa

## DIMENSIONS

ALL DIMENSIONS ARE IN MILLIMETRES, EXCEPT, LEVELS AND COORDINATES WHICH ARE IN METRES. THE DECIMAL SEPARATOR USED IS THE POINT (DOT) NOT COMMA. USE GIVEN DIMENSIONS. DO NOT SCALE OR MEASURE OFF DRAWINGS OR CAD FILES. IF IN DOUBT, ASK.

## STABILITY

MAINTAIN THE STRUCTURE IN A STABLE CONDITION DURING CONSTRUCTION. DO NOT EXCEED DESIGN LOADS SHOWN ON SPECIFIC DRAWINGS OR CAUSE ANY ELEMENT TO BE OVERSTRESSED. PROVIDE TEMPORARY BRACING AS REQUIRED.

## CONCRETE

- C1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH NZS 3109 PART 1 CURRENT EDITION WITH AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.

### C2. CONCRETE QUALITY: -

ELEMENT	SLUMP	CONCRETE TYPE	MAX. AGG. SIZE	MINIMUM CONCRETE STRENGTH F <sub>c</sub> MPa
FOOTINGS	80	A	20	30 MPa
SLABS ON GROUND	80	A	20	30 MPa
COLUMNS	80	A	20	32 MPa
BEAMS	80	A	20	32 MPa

## CONCRETE CONT.

REFER TO SLAB NOTES FOR GENERAL SLAB THICKNESS AND COVERS. THIS SYMBOL APPLIES ELSEWHERE.

ELEMENT	CONCRETE COVER		
	CAST AGAINST & EXPOSED TO EARTH	EXPOSED TO EARTH OR WEATHER	NOT EXPOSED TO WEATHER OR EARTH
a) Pad footings	75	-	-
b) Strip footings	75	-	-
c) Slabs, walls, & ribs 20mm bars or wire and smaller	75	35	20
d) Beams Longitudinal reinf. Ties and stirrups	80 65	50 40	40 25
e) Columns Longitudinal reinf. Ties and stirrups	80 65	50 40	40 25

- C4. SIZES OF CONCRETE ELEMENTS DO NOT INCLUDE THICKNESS OF APPLIED FINISHES.
- C5. CONSTRUCTION JOINTS WHERE SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE WELL SCABBLED AND PAINTED WITH EPOXY PRIOR TO POURING OF FRESH CONCRETE.
- C6. CONSTRUCTION JOINTS WHERE NOT SHOWN SHALL BE LOCATED TO THE APPROVAL OF THE ENGINEER.
- C7. BEAM DEPTHS ARE WRITTEN FIRST AND INCLUDE SLAB THICKNESS, IF ANY.
- C8. PROVIDE 20 CHAMFERS TO ALL COLUMNS & BEAMS UNLESS VARIED BY ARCHITECTS DRAWING.
- C9. PROVIDE 20 DRIP GROOVES TO SOFFITS OF ALL EXTERNAL SLABS & BEAMS.
- C10. NO PENETRATIONS, RECESSES, SLEEVES, ETC OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE MADE IN CONCRETE MEMBERS WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.
- C11. PIPES OR CONDUITS SHALL NOT BE PLACED WITHIN THE CONCRETE COVER TO REINFORCEMENT WITHOUT THE APPROVAL OF THE ENGINEER. THE CONCRETE COVER TO EMBEDDED PIPES OR CONDUITS SHALL BE A MINIMUM OF 20 MM.

## REINFORCEMENT

- R1. REINFORCEMENT IS REPRESENTED DIAGRAMMATICALLY. IT IS NOT NECESSARILY SHOWN IN TRUE PROJECTION.
- R2. SPLICES IN THE REINFORCEMENT SHALL BE MADE ONLY IN THE POSITIONS SHOWN. THE WRITTEN APPROVAL OF THE ENGINEER SHALL BE OBTAINED FOR ANY OTHER SPLICES. LAP LENGTH FOR DEFORMED BARS SHALL BE AS TABULATED BELOW.

-ALL LAPS ARE TO BE IN ACCORDANCE WITH NZS 3101:2000

CONC. 30 MPA STEEL GR. 500	BAR DIAMETER					
	HD10	HD12	HD16	HD20	HD25	HD32
ALL BARS EXCEPT AS BELOW	550	650	850	1050	1500	1800
FOR - COLUMNS. VERT WALL BARS. BOTTOM OF BEAMS. SLABS < 300MM	400	500	650	800	1150	1300

CONC. 30 MPA STEEL GR. 300	BAR DIAMETER				
	D10	D12	D16	D20	D25
ALL BARS EXCEPT AS BELOW	400	450	600	750	900
FOR - COLUMNS. VERT WALL BARS. BOTTOM OF BEAMS. SLABS < 300MM	300	350	450	550	700

- STAGGER LAPS AS MUCH AS PRACTICABLE. TOP STEEL SHALL BE LAPPED WITHIN CENTRAL HALF OF THE OF THE BEAM SPAN & BOTTOM BEAM BARS WITHIN 1/4 ON EITHER SIDE OF SUPPORT UNO.

- FOR PLAIN BARS, LAP LENGTHS SHALL BE TWICE THE LENGTHS AS SHOWN ABOVE.

- R3. WELDING OF REINFORCEMENT WILL NOT BE PERMITTED UNLESS SHOWN ON THE STRUCTURAL DRAWINGS.

## REINFORCEMENT CONT.

- R4. ALL REINFORCEMENT FABRIC SHALL COMPLY WITH NZS 3402P AND SHALL BE SUPPLIED AS FLAT SHEETS.

TYPICAL FABRIC LAP: -  
25 MIN

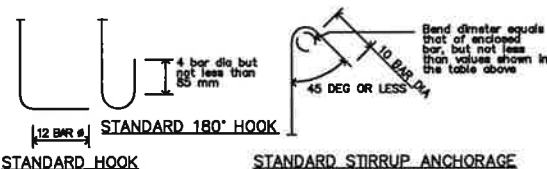
- R5. PLACE SUFFICIENT BAR CHAIRS UNDER BOTTOM REINFORCING RODS AND TOP CROSSRODS IN SLABS TO ALLOW THEM TO BE SUPPORTED IN THEIR CORRECT POSITIONS DURING CONCRETING (NOT GREATER THAN 900 MM CENTRES BOTH WAYS).
- R6. REINFORCEMENT LAYERS DENOTED THUS: -  
TT - DENOTES TOP BARS LAID LAST  
T - DENOTES TOP BARS LAID THIRD  
B - DENOTES BOTTOM BARS LAID SECOND  
BB - DENOTES BOTTOM BARS LAID FIRST

### R7. BENDING OF REINFORCEMENT

BARS PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE SITE BENT, UNLESS NOTED OR SHOWN ON THE DRAWINGS OR SPECIFICALLY APPROVED BY THE ENGINEER

THE MINIMUM INTERNAL DIAMETER OF BEND OF ALL BARS SHALL BE AS FOLLOWS UNO.

STEEL GRADE	MINIMUM DIAMETER OF BEND			
	MAIN REINFORCEMENT		STIRRUPS & TIES	
	BAR Ø	MIN. Ø OF BEND	BAR Ø	MIN. Ø OF BEND
GRADE 300 & 400	10	50	10	40
	12	60	12	50
	16	80	16	70
	20	100	20	80
	25	150		
	32	200		



## STEELWORK

- S1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 4100 AND AS 1554 EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
- S2. UNLESS OTHERWISE NOTED, ALL STEEL SHALL BE IN ACCORDANCE WITH: -  
AS 1204 GRADE 250 FOR ROLLED SECTIONS  
AS 1163 GRADE 250 FOR R.H.S. SECTIONS  
AS 1163 GRADE 200 FOR C.H.S. SECTIONS  
AS 1204 GRADE 350 FOR ALL HIGH STRENGTH STEEL
- S3. THE BUILDER SHALL PREPARE WORKSHOP DRAWINGS AND SHALL SUBMIT THREE COPIES OF EACH DRAWING FOR APPROVAL. FABRICATION SHALL NOT COMMENCE UNTIL APPROVAL HAS BEEN RECEIVED. APPROVAL DOES NOT INCLUDE DIMENSIONS.
- S4. UNLESS NOTED OTHERWISE, ALL BOLTS TO BE 16 DIAMETER COMMERCIAL GRADE STRUCTURAL BOLTS OF GRADE 4.6 SNUG TIGHT (M16-4.6/S) CONFORMING TO AS 1111.  
BOLTS - DESIGNATED BY THE NUMBER, DIAMETER, GRADE AND TIGHTENING PROCEDURE. E.G.  
4-M16 4.6/S MEANS 4 16 DIA. COMMERCIAL GRADE BOLTS SNUG TIGHT.  
6-M20 8.8TF MEANS 6M20 HIGH STRENGTH STRUCTURAL BOLTS FULLY TENSIONED IN A FRICTION JOINT.  
6-M24 8.8TB MEANS 6M24 HIGH STRENGTH STRUCTURAL BOLTS FULLY TENSIONED IN A BEARING JOINT. (SOME SLIP ALLOWED.)
- ALL HOLES SHALL BE DRILLED AND SHALL BE 2MM LARGER THAN THE BOLT DIAMETER U.N.O. HOLES IN BASEPLATES MAY BE 5MM LARGER THAN THE BOLT DIAMETER U.N.O. ALL BOLTS SHALL HAVE AT LEAST ONE THREAD PROJECTING THROUGH BOTH SIDES OF THE NUT. BOLT SPACING, EDGE DISTANCES, GAUGE LINES, BEAM COPEES ETC. TO CONFORM TO A.I.S.C STANDARDISED CONNECTIONS U.N.O. REMOVE ALL SHARP EDGES AND BURRS.

- S5. UNLESS OTHERWISE NOTED, ALL WELDS TO BE 6 MM CONTINUOUS FILLET FROM E41XX ELECTRODES. ALL WELDS SHALL BE GENERAL PURPOSE WELDS UNLESS NOTED OTHERWISE. STRUCTURAL PURPOSE WELDS SHALL BE DENOTED THUS 'SP'. BUTT WELDS WHERE INDICATED IN THE DRAWINGS ARE TO BE COMPLETE PENETRATION BUTT WELDS AS DEFINED IN AS 1554. WELDING SYMBOLS TO AS 1101 PART 3.
- S6. CONCRETE ENCASED STEELWORK SHALL BE WRAPPED WITH 665 MESH AND HAVE A MINIMUM OF 50 COVER UNLESS NOTED OTHERWISE.

## STEELWORK CONT.

- S7. HIGH STRENGTH FRICTION GRIP BOLTS, NUTS AND WASHERS SHALL COMPLY WITH THE RELEVANT REQUIREMENTS OF AS 1252, SHALL BE INSTALLED IN ACCORDANCE WITH AS 1511 AND SHALL BE TIGHTENED TO THE CORRECT TENSION USING APPROVED LOAD INDICATING WASHERS. CONTACT SURFACES OF ALL HIGH STRENGTH FRICTION GRIP BOLTED CONNECTIONS SHALL BE LEFT UNPAINTED.

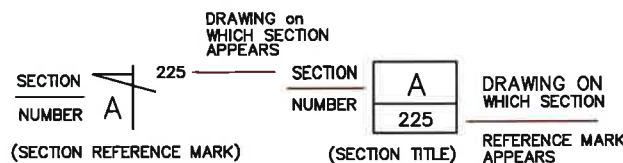
- S8. STRUCTURAL STEELWORK SHALL HAVE THE SURFACE TREATMENT IN ACCORDANCE WITH THE SPECIFICATION.

ELEMENT	SURFACE CLEANING	PRIMING
All UNO	Sand blast to class 2.5	Dulux zincanode 304 (or equal) 75 micron minimum dry film thickness

NOTE: CONCRETE ENCASED STEELWORK SHALL BE LEFT UNPAINTED.

- S9. THE BUILDER SHALL PROVIDE ALL CLEATS AND DRILL ALL HOLES NECESSARY FOR FIXING STEEL TO STEEL AND TIMBER TO STEEL WHETHER OR NOT DETAILED IN THE DRAWINGS.

## DESIGNATION OF CROSS SECTIONS



## DRAFTING ABBREVIATIONS

ALT. APPROX.	ALTERNATE APPROXIMATE	MIN. MS	MINIMUM MILD STEEL
ADDN	ADDITIONAL	{N}	NEW
B	BOTTOM	N.D.T	NON-DESTRUCTIVE TESTING
BLK	BLOCKWALL	NF	NEAR FACE
B.S	BOTH SIDES	NOM.	NOMINAL
BW	BOTHWAYS	No.	NUMBER
C	CENTRE	NTS	NOT TO SCALE
C/L	CENTRE LINE	O/A	OUTSIDE OVERALL
C/C	CENTRE TO CENTRE	O.D	OUTSIDE DIAMETER
C/S	COURSES	PL	PLATE
C.A.R	COVER ALL AROUND	PC	PRECAST CONCRETE
CHS	CIRCULAR HOLLOW SECTION	PSC	PRESTRESSED CONCRETE
C.J.	CONTROL JOINT	R	PLAIN BAR GRADE 300
COL	COLUMN	RC	REINFORCED CONCRETE
CONC.	CONCRETE	REINF	REINFORCEMENT
CONN.	CONNECTION	RHS	RECTANGULAR HOLLOW SECTION
C.O.S.	CHECK ON SITE	SHT	SHEET
CVR	COVER	SPEC	SPECIFICATION
CRS	CENTRES	RSC	ROLLED STEEL CHANNEL
D	DEFORMED BAR GRADE 300	RSJ	ROLLED STEEL JOIST
db	BAR DIAMETER	STIFF	STIFFENER
DET	DETAIL	SIM	SIMILAR
DIA	DIAMETER	SJ	SAWCUT JOINT
D.J.	DOWELLED JOINT	STG	STAGGER
DPC	DAMP PROOF COURSE	STIR	STIRRUP
DWG/DRG	DRAWING	STA	STARTER
EGL	EXISTING GROUND LEVEL	SHS	SQUARE HOLLOW SECTION
EXTG	EXISTING	STR	STARTER
EF	EACH FACE	SYM.	SYMMETRICAL
EW	EACH WAY	T	TOP
EL	ELEVATION	TBC	TO BE CONFIRM
EX	OUT OF	TFB	TAPER FLANGE BEAM
FF	FAR FACE	THK	THICK
FFL	FINISHED FLOOR LEVEL	TOC	TOP OF CONCRETE
FGL	FINISHED GROUND LEVEL	TOS	TOP OF STEEL
FL	FLAT	TRM	TRIMMER
GALV'D.	GALVANISED	TYP	TYPICAL
G.L	GROUND LEVEL	UB	UNIVERSAL BEAM
G.P.C.	GROUT PROOF COURSE	UC	UNIVERSAL COLUMN
HORIZ.	HORIZONTAL	UNO	UNLESS NOTED OR SHOWN OTHERWISE
H.D.	HOLDING DOWN (BOLT)	U/S	UNDERSIDE
I.D	INSIDE DIAMETER	VERT.	VERTICAL
I.L	INVERT LEVEL	L	SINGLE RSA
I.P	INTERSECTION POINT	VJ	VERTICAL JOINT
KJ	KEYED JOINT	VL	VARYING LENGHT
LAR	LAP AT RANDOM	VERT.	VERTICAL
JL	DOUBLE RSA (BACK TO BACK)		
LG	LONG		
MAX.	MAXIMUM		

## WELDING SYMBOLS

FORM OF TEXT	NOTES	SKETCH OF WELD	SYMBOLIC REPRESENTATION
FILLET	WHEN THE SYMBOL IS BELOW THE REFERENCE LINE, IT REFERS TO A WELD ON THE "ARROW SIDE" OF THE JOINT.		
FILLET	WHEN THE SYMBOL IS ABOVE THE REFERENCE LINE, IT REFERS TO A WELD ON THE "OTHER SIDE" OF THE JOINT.		
DOUBLE FILLET	WHEN THE SYMBOL IS BOTH SIDES OF THE REFERENCE LINE IT REFERS TO WELDS ON "BOTH SIDES" OF THE JOINT.		
SQUARE BUTT	WHEN THIS TYPE OF WELD IS USED COVERING NOTES WILL BE GIVEN.		
SINGLE V BUTT			
SINGLE V BUTT WITH SEALING RUN.			
DOUBLE BUTT			
SIZE LENGTH OF FILLET WELDS	SIZE OF WELDS (MM) BEFORE SYMBOL. LENGTH OF WELD (MM) AFTER SYMBOL.		
FILLET WITH UNEQUAL LEG LENGTH	VERTICAL LEG LENGTH (MM) GIVEN FIRST, HORIZONTAL LEG LENGTH (MM) FOLLOWS.		
FLASH BUTT	FOR REINFORCING BAR		
SINGLE BEVEL BUTT			
DOUBLE BEVEL BUTT			
SHOP WELD ALL ROUND	A CIRCLE AT THE JOINT IN THE REFERENCE LINE INDICATES A CONTINUOUS SHOP WELD ALL AROUND THE JOINT.		
SHOP AND SITE WELD	SITE WELD INDICATED BY FLAG AT THE JOINT IN THE REFERENCE LINE. WITH THE ADDITION OF AN OUTER CIRCLE AT JOINT IN REFERENCE LINE INDICATES A CONTINUOUS SITE WELD ALL ROUND.		
INTERMITTENT WELDS: LENGTH AND SPACING	WELDED LENGTH GIVEN BY UNBRACKETED NUMBER (MM) SPACE BETWEEN WELD LENGTH (MM) GIVEN BY BRACKETED NUMBER EG 50(75)		

FOR TENDER ISSUES



CONSTRUCTION NOTES:

\*FOUNDATION PLAN TO BE READ IN CONJUNCTION WITH THE ARCHITECT'S DRAWINGS FOR PROPER SET OUT OF STEP-DOWNS, FALLS AND DOOR/WINDOW OPENINGS. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY SET OUT DISCREPANCIES.

\*ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH AS/NZS 4671:2001 AND LOCAL AUTHORITY'S RULES AND REGULATIONS.

\*UNLESS NOTED OTHERWISE, ALL STEEL REINF. SHALL BE GRADE 400 TO NZS 3402 : 1989.

\*CONCRETE STRENGTH SHALL BE 25 & 30 MPa AT 28 DAYS.

\*BLOCKS SHALL BE STANDARD MODULAR 200mm GRADE A BLOCKS (12 MPa ON NET AREA), ALL CAVITIES TO BE FULLY GROUTED WHERE REQUIRED.

\*FOOTINGS SHALL BE FOUNDED ON SOUND SUB GRADE AT THE MIN. DEPTH BELOW GROUND LEVEL AS STATED.

\*ALL FRAMING TIMBER SHALL BE DRESSED (STRESS GRADE F7) AND TREATED TO THE FIJI FORESTRY DEPT. RECOMMENDATIONS FOR THE LOCATION.

\*PROVIDE DPC WHERE TIMBER IS IN CONTACT WITH CONCRETE.

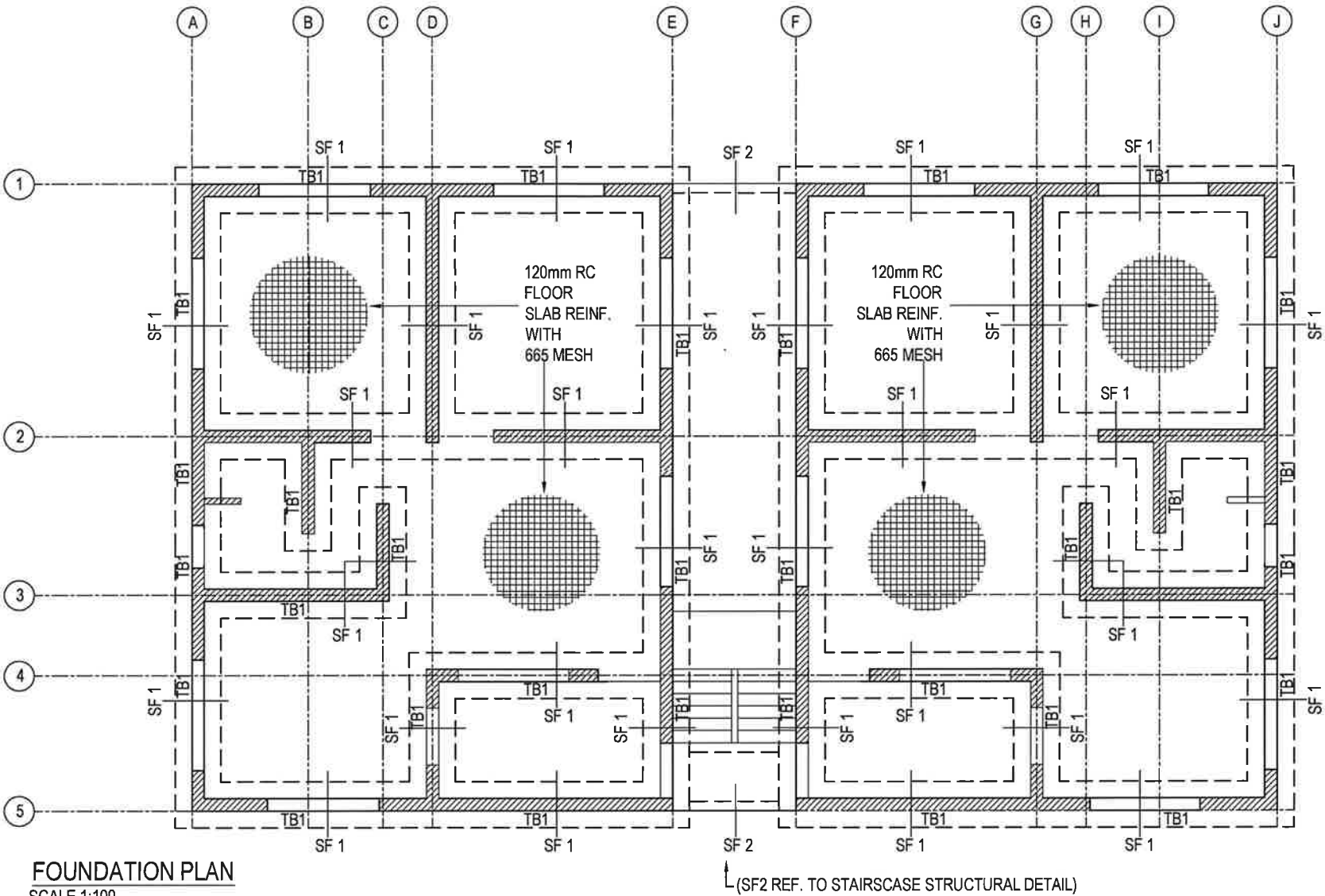
\*ALL METAL FASTENERS, BOLTS, NUTS AND WASHERS SHALL BE HOT DIPPED GALVANIZED TO AS 1650.

\*200MM BLKWALL @ ENSUITE TO BE REINF. WITH D16@ 400 MAX. CRS. BOTHWAYS AT G.F.L & D16 @ 600 CRS, BOTHWAYS FOR THE REMAINING LEVELS

\*REINF. FOR 400x200MM BEAM ABOVE 200MM BLKWALL TO BE 4-D16 & D16 STRPS @ 200 CRS.

\*ALL G.F.L AND LEVEL 1, 200MM BLKWALLS TO BE REINF. WITH D16 @ 400 CRS. BOTHWAYS.

\*ALL BLOCKWALLS EXCEPT CANTILEVERED BALCONY WALLS TO BE FULLY GROUTED



FOUNDATION PLAN  
SCALE 1:100

FOR TENDER ISSUES

NOTE:

- ALL GROUND FLOOR FLATS WILL BE DISABLE FRIENDLY FLATS

### CONSTRUCTION NOTES:

\*FOUNDATION PLAN TO BE READ IN CONJUNCTION WITH THE ARCHITECT'S DRAWINGS FOR PROPER SET OUT OF STEP-DOWNS, FALLS AND DOOR/WINDOW OPENINGS. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY SET OUT DISCREPANCIES.

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\*CONCRETE STRENGTH SHALL BE 25 & 30 MPa  
AT 28 DAYS.

\*BLOCKS SHALL BE STANDARD MODULAR 200mm GRADE A BLOCKS (12 MPa ON NET AREA), ALL CAVITIES TO BE FULLY GROUTED WHERE REQUIRED.

\*FOOTINGS SHALL BE FOUNDED ON SOUND SUB  
GRADE AT THE MIN. DEPTH BELOW GROUND  
LEVEL AS STATED.

\*ALL FRAMING TIMBER SHALL BE DRESSED (STRESS GRADE F7) AND TREATED TO THE FIJI FORESTRY DEPT. RECOMMENDATIONS FOR THE LOCATION.

\*PROVIDE DPC WHERE TIMBER IS IN CONTACT WITH CONCRETE.

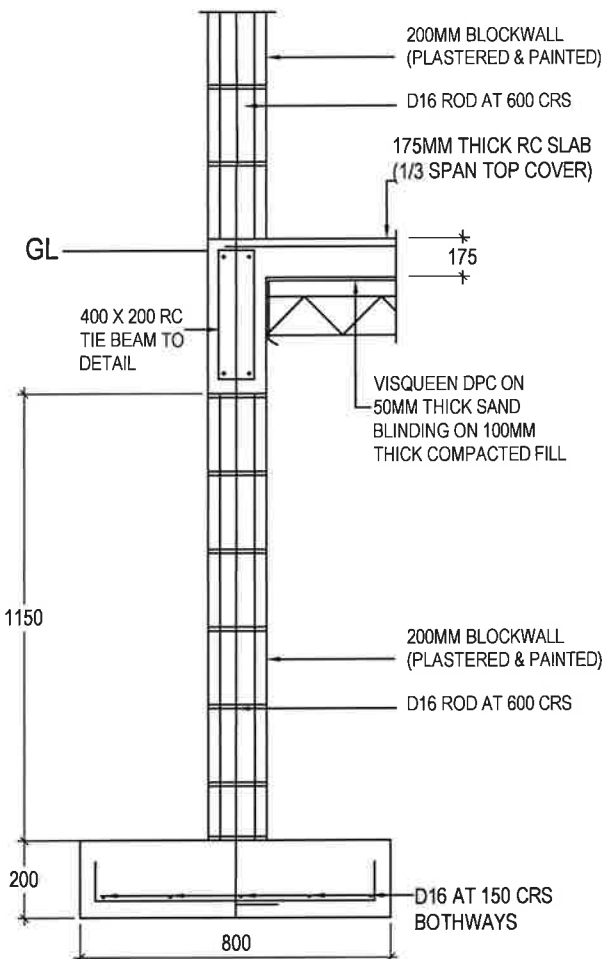
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\*200MM BLKWALL @ ENSUITE TO BE REINF. WITH  
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@ 600 CRS, BOTHWAYS FOR THE REMAINING  
LEVELS

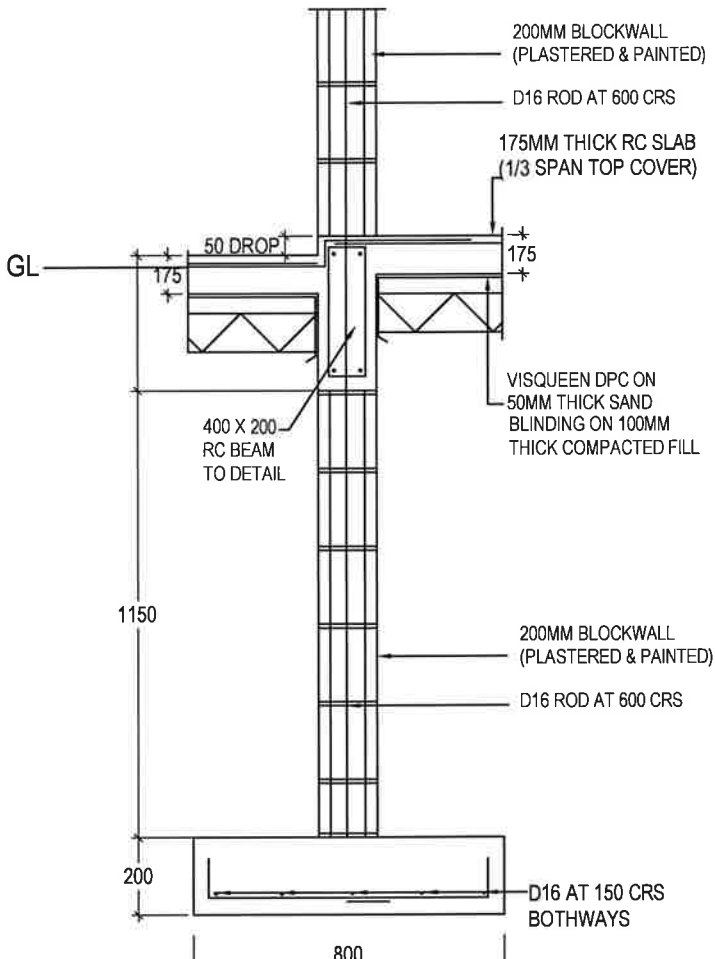
\*REINF. FOR 400x200MM BEAM ABOVE 200MM  
BLKWALL TO BE 4-D16 & D16 STRPS @ 200 CRS.

\*ALL G.F.L AND LEVEL 1, 200MM BLKWALLS TO BE REINF. WITH D16 @ 400 CRS. BOTHWAYS.

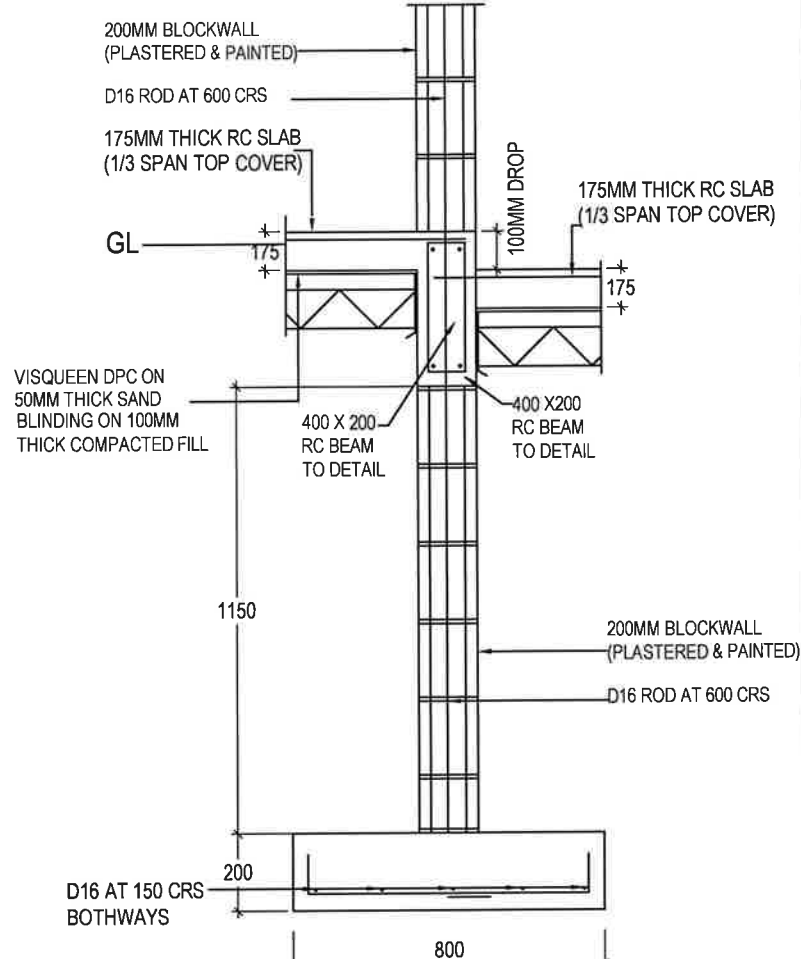
\*ALL BLOCKWALLS EXCEPT CANTILEVERED  
BALCONY WALLS TO BE FULLY GROUTED



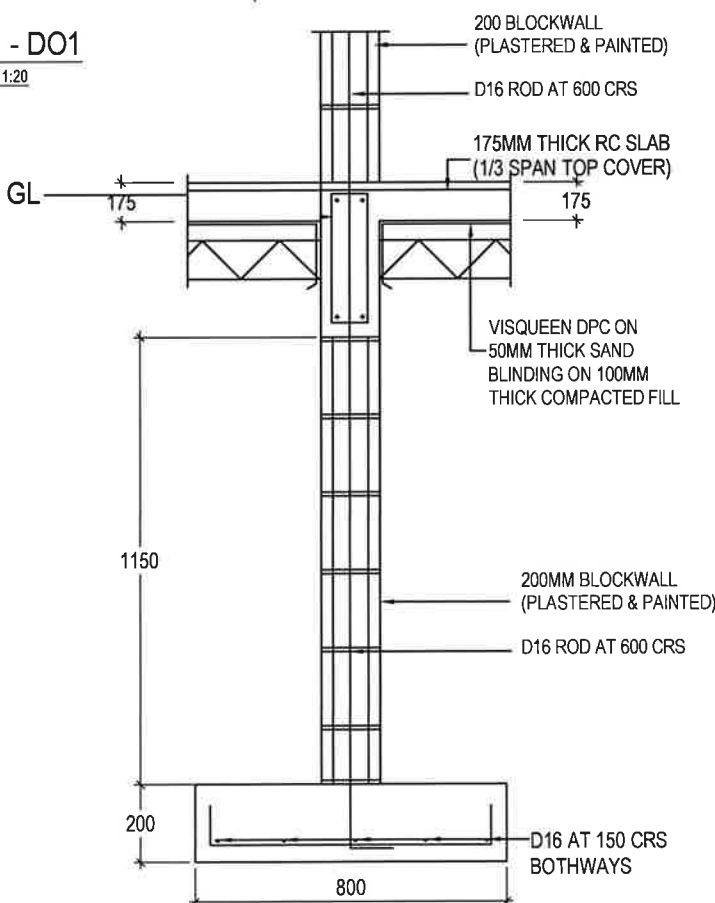
SF1 - DO1  
SCALE 1:20



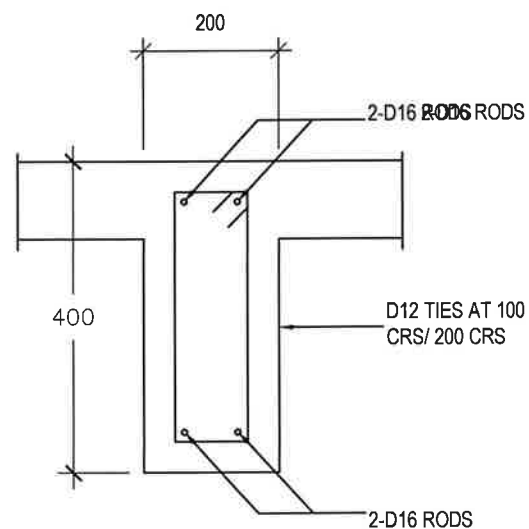
SF1 - D02 AT WET AREAS



SF1 - D03 LIVING AREA TO PORCH AREA  
AT INTERMEDIATE WALLS



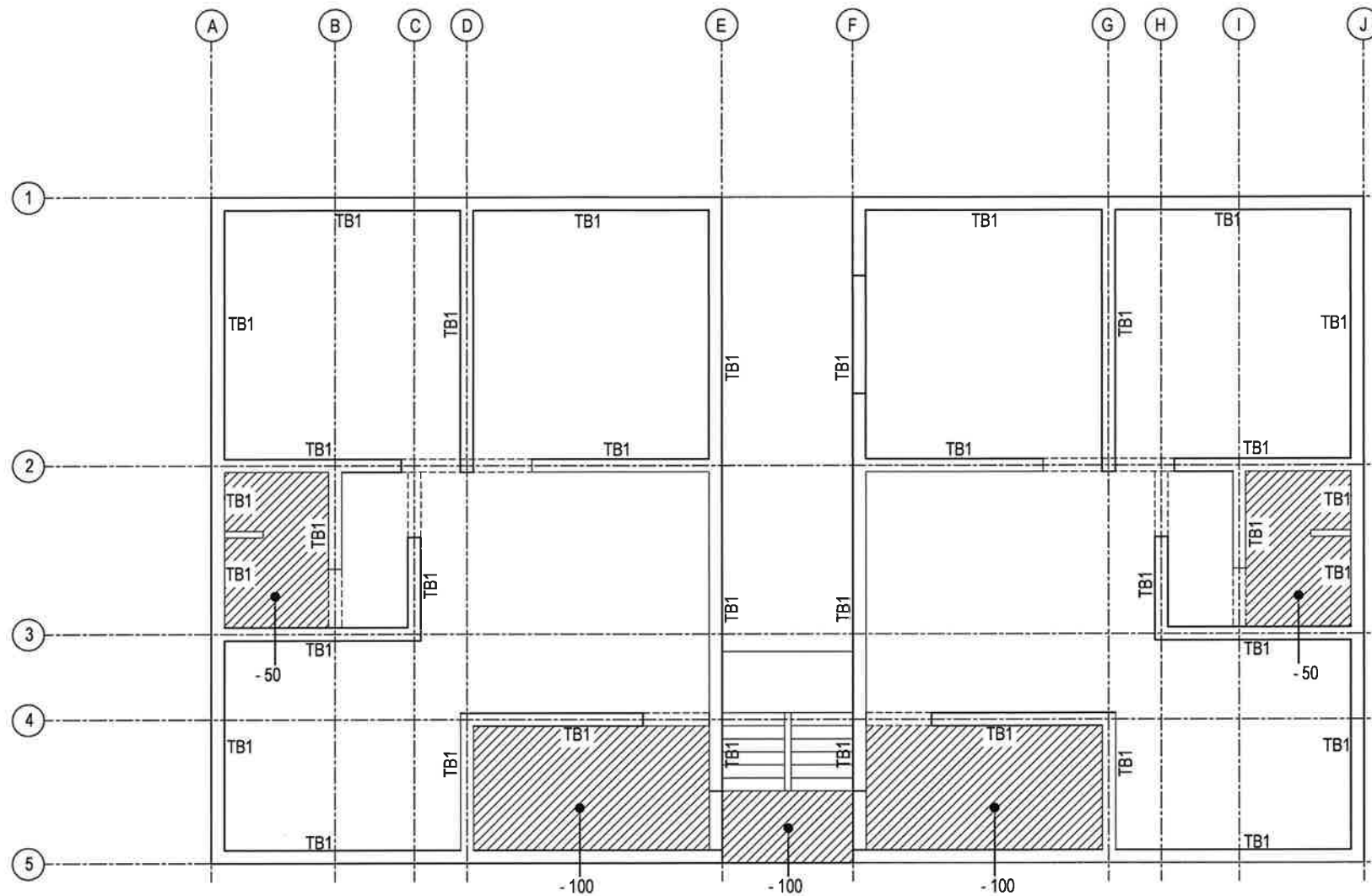
**SF1 - DO4 AT INTERMEDIATE WALLS**  
SCALE 1:20



**TYP TIE BEAM DETAIL**  
SCALE 1:20

**FOR TENDER ISSUES**





TYP. TIE BEAM LAYOUT (FIRST ,SECOND & THIRD FL00R)  
SCALE 1:100

**FOR TENDER ISSUES**

**NOTE:**

- ALL GROUND FLOOR FLATS WILL BE DISABLE FRIENDLY FLATS
- FIRST, SECOND & THIRD FLOOR ARE IDENTICAL