

THE AMAZIMA PRIMARY SCHOOL

BUZIKA, UGANDA



AMAZIMA MINISTRIES

PROJECT LOCATION: BLOCK 295, PLOT 8 & 15,
NJERU, UGANDA (4KM WEST OF JINJA)
MAILING ADDRESS: AMAZIMA MINISTRIES INTERNATIONAL
PO BOX 775
JINJA, UGANDA
WEBSITE: www.amazima.org
MINISTRY CONTACT: MARK GUTHRIE
EMAIL ADDRESS: mguthrie@amazima.org

GENERAL SPECIFICATIONS AND NOTES

CONSTRUCTION SUPERVISOR'S CONSTRUCTION & MATERIAL NOTES

(NOTES AND DETAILS SUPPLIED BY THE STRUCTURAL ENGINEER SHALL SUPERCEDE THESE IF DISCREPANCIES OCCUR.)
CONSTRUCTION SUPERVISOR SHALL VERIFY THE FOLLOWING:

CEMENT WORKS

- FOR REINFORCED CONCRETE, THE GRADE OF CONCRETE SHALL BE A MINIMUM OF 20MPa WITH A MAX AGGREGATE SIZE OF 25mm AND A MAXIMUM WATER TO CEMENT RATIO OF 1:2:1.
- FOR UNREINFORCED FOOTINGS AND SLABS WITHOUT INTEGRAL SLAB BEAM TO BE COVERED WITH A SCREED COAT, THE GRADE OF CONCRETE SHALL BE A MINIMUM OF 18MPa WITH A MAX AGGREGATE SIZE OF 25mm AND A MAXIMUM WATER TO CEMENT RATIO OF 1:2:1.
- CEMENT USED SHALL BE PORTLAND CEMENT. FRESH CEMENT SHALL BE USED. CEMENT WHICH REQUIRES STORAGE ON SITE SHALL BE KEPT DRY. CEMENT WHICH IS OLDER THAN 3 MONTHS FROM DATE OF MANUFACTURE SHALL NOT BE USED.
- SAND SHALL BE 'PIT SAND' AND CLEAN OF IMPURITIES SUCH AS CLAY, SILT, SALTS, MICA AND ORGANIC MATTER. SAND OBTAINED FROM RIVER OR LAKE BOTTOMS SHALL BE CLEAN.
- AGGREGATE SHALL BE FREE AND CLEAN OF THE ABOVE MENTIONED IMPURITIES AND SHOULD BE MADE UP OF STONES OF DIFFERENT SIZES (WELL GRADED) FROM LARGE (25mm) TO SMALL (INCLUSIVE OF SAND). MAXIMUM AGGREGATE SIZE TO BE USED IN MIX DESIGN SHALL BE 25mm AS DESCRIBED IN A ABOVE.
- MORTAR SHALL BE A 1:3 CEMENT TO SAND RATIO. MORTAR JOINT THICKNESS SHALL BE 10mm.
- PLASTER SHALL BE A 1:4 CEMENT TO SAND RATIO.

STEEL

- ALL REINFORCING STEEL SHALL BE TWISTED OR DEFORMED BARS OR RIBBED STEEL WITH AN ULTIMATE YIELD STRENGTH OF 460N/mm² (60 KSI).
- ALL BEAM AND COLUMN STIRRUP REINFORCEMENT SHALL BE ROUND BARS, AND HAVE AN ULTIMATE TENSILE STRENGTH OF 250 N/mm² (40 KSI). ALL HOOPS, HOOKS, AND BENDS ARE PER DETAIL M03S.0.
- ALL REINFORCING STEEL SHALL BE SUPPORTED AND SECURED AGAINST MOVEMENT DURING PLACEMENT OF CONCRETE BY THE USE OF 'CHAIR' SPACERS OR EQUIVALENT METHODS.
- ALL COLUMN STIRRUPS ARE TO BE CLOSED HOOPS AS SHOWN ON DRAWINGS. BEAM STIRRUPS MAY BE CLOSED HOOP OR 'U' SHAPE.
- ALL ANCHOR BOLTS AND CONNECTIONS SHALL HAVE AN ULTIMATE TENSILE STRENGTH OF 200N/mm² (40 KSI).
- MINIMUM LAP SPICE LENGTH SHALL BE 450mm FOR R8 BARS, 550mm FOR Y12 BARS AND 675mm FOR Y16 BARS.

CONCRETE CURING

- WATER SHALL BE ADDED UP TO THE MAXIMUM AMOUNT ALLOWED IN NOTE A IN ORDER TO OBTAIN A WORKABLE MIX THAT CAN BE PROPERLY PLACED AND CONSOLIDATED BY VIBRATION.
- CONCRETE SHOULD BE THOROUGHLY MIXED BY A MECHANICAL MIXER AND QUICKLY PLACED IN ITS POSITION. DO NOT 'DROP' CONCRETE INTO FORMS, BUT PLACE IT FROM AS CLOSE TO THE BEARING SURFACE AS POSSIBLE TO AVOID SEGREGATION. AFTER PLACING, IT MUST BE WELL CONSOLIDATED BY RODDING OR VIBRATING MECHANICALLY TO REMOVE ALL AIR POCKETS.

CONCRETE SPECIFICATIONS

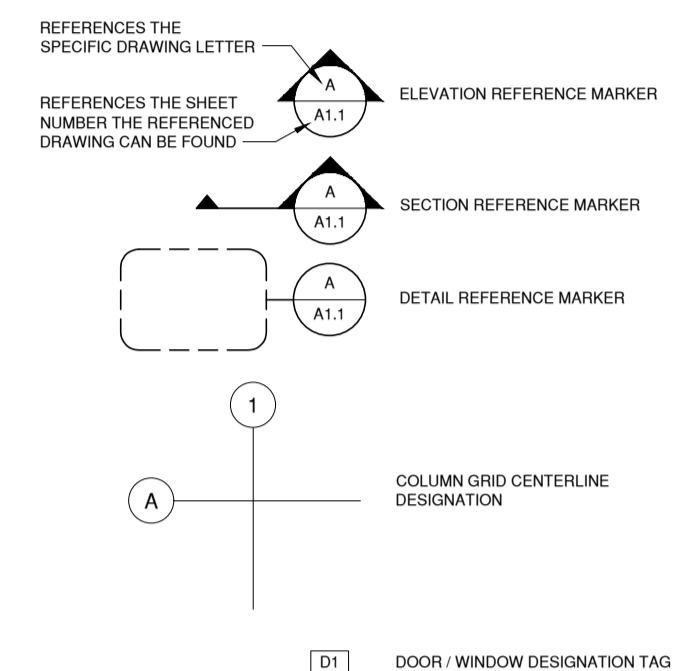
- PROVIDE 20mm CHAMBERS ON ALL EXPOSED CORNERS OF CONCRETE EXCEPT THOSE ABUTTING MASONRY UNITS.
- CLEAR CONCRETE COVER ON ALL REINFORCEMENT SHALL BE AS FOLLOWS:
CONCRETE CAST AGAINST EARTH 75mm
CONCRETE EXPOSED TO WEATHER 50mm
SLAB BARS NOT EXPOSED TO EARTH OR WEATHER 20mm
BEAMS AND COLUMNS NOT EXPOSED TO WEATHER 40mm

FOUNDATIONS

- ALL FOOTINGS SHALL BE ON UNDISTURBED SOIL HAVING A MINIMUM BEARING CAPACITY OF 100kPa (2000kPa).
- FOUNDATIONS TO BE TAKEN DOWN TO 1000mm BELOW STRIPPED GROUND LEVEL. UEN, ENGINEER TO APPROVE ALL EXCAVATIONS BEFORE CONCRETE BUILDING IS LAID.
- WEAK POCKETS OF BEARING STRATA TO BE EXCAVATED AND FILLED WITH A COMPATIBLE MATERIAL SUITABLE FOR BEARING.
- DO NOT BACKFILL UNTIL REINFORCED CONCRETE REACHES FULL DESIGN STRENGTH, OR UNLESS WALLS ARE ADEQUATELY BRACED.
- NOTIFY EMI IMMEDIATELY IF POOR OR QUESTIONABLE SUBGRADE CONDITIONS ARE ENCOUNTERED DURING EXCAVATION.

ABBREVIATIONS AND SYMBOL LEGEND

B.O.	BOTTOM OF	MTL	METAL
BS:####	BRITISH STANDARD	NTS	NOT TO SCALE
CL	CENTER LINE	OC	ON CENTER
CONC	CONCRETE	OH	OPPOSITE HAND
CONCR	CONCRETE	OPP	OPPOSITE
CRS	CENTERS OR CENTER TO CENTER	RC	REINFORCED CONCRETE
DIA	DIAMETER	REF	REFERENCE
DBL	DOUBLE	REINFT	REINFORCEMENT
ELEV	ELEVATION	ROU	ROUGH OPENING
FEE	FINISHED FLOOR ELEVATION	SMA	SINGLE
F.F.C.	FACE OF (TOP OF STRUCTURAL SLAB)	SOL	SOLE
GA	GAUGE	SP	SEPTIC TANK
GC	GENERAL CONTRACTOR	STL	STEEL
HT	HEIGHT	TBD	TO BE DETERMINED
HRZ	HORIZONTAL	T.O.	TOP OF
HS	HOLLOW STEEL SECTION	TH	THICK
m	METERS	TYP	TYPICAL
mm	MILLIMETERS	UN	UNLESS OTHERWISE NOTED
MAX	MAXIMUM	VERT	VERTICAL
MIN	MINIMUM	VF	VERIFY IN FIELD
MPa	MEGAPASCALS		
MO	MASONRY OPENING		



DRAWING SHEET INDEX

CS.1 COVER SHEET, GENERAL NOTES AND EXISTING SITE SURVEY

CIVIL DRAWINGS

C1.1 GRADING AND DRAINAGE PLAN
C1.2 SITE UTILITIES PLAN

ARCHITECTURAL DRAWINGS

- ARCHITECTURAL MASTER PLAN
- CLASSROOM BLOCK FLOOR PLAN, ROOF PLAN, ELEVATIONS AND SECTION
- ADMINISTRATION BUILDING FLOOR PLAN, ROOF PLAN, ELEVATIONS AND SECTION
- LIBRARY FLOOR PLAN, ROOF PLAN, ELEVATIONS AND SECTION
- SCIENCE AND ART CLASSROOMS FLOOR PLAN, ROOF PLAN, ELEVATIONS AND SECTION
- COMPUTER ROOM & FLEXIBLE CLASSROOM FLOOR PLAN, ROOF PLAN, ELEVATIONS AND SECTION
- LATRINE BLOCKS FLOOR PLANS, ROOF PLANS, ELEVATIONS AND SECTION
- MILLWORK DETAILS, DOOR & WINDOW SCHEDULES

STRUCTURAL DRAWINGS

- CLASSROOM BLOCK FOUNDATION PLAN, SLAB PLAN, AND ROOF FRAMING PLAN
- LATRINE BLOCKS FOUNDATION PLANS, SLAB PLANS, AND ROOF FRAMING PLANS
- STRUCTURAL DETAILS
- STRUCTURAL DETAILS

ELECTRICAL DRAWINGS

- SITE POWER DISTRIBUTION
- CLASSROOM BLOCKS, ADMINISTRATION BLOCK, LIBRARY, COMPUTER ROOM AND LATRINE WIRING PLANS

PLUMBING DRAWINGS

- ADMINISTRATION BLOCK, KITCHEN, SCIENCE AND ART CLASSROOMS PLUMBING PLANS

GENERAL NOTES

- ALL WORK TO BE DONE IN ACCORDANCE WITH ALL APPLICABLE CODES AND AGENCIES HAVING JURISDICTION. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVAL FROM THE GOVERNING BUILDING DEPARTMENT PRIOR TO STARTING WORK.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS OF DRAWINGS AND EXISTING CONDITIONS BEFORE PROCEEDING WITH ANY WORK.
- THE CONTRACTOR SHALL NOTIFY ENGINEERING MINISTRIES INTERNATIONAL (EMI) OF ANY CONFLICT OR DISCREPANCY DISCOVERED BETWEEN THE DRAWINGS AND ACTUAL CONDITIONS ENCOUNTERED ON THE SITE. CONSTRUCTION SHALL NOT PROCEED UNTIL CORRECTIONS HAVE BEEN MADE AND RELATED PLANS OR CLARIFICATIONS HAVE BEEN REISSUED. CONSTRUCTION CAN ONLY BEGIN AFTER THE ISSUE(S) HAS BEEN RESOLVED.
- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE CONSTRUCTION PROCEDURES AND SEQUENCING. THE CONTRACTOR SHALL MAINTAIN STABILITY OF ADJACENT PROPERTIES AND STRUCTURES DURING ALL PHASES OF CONSTRUCTION, INCLUDING THE ADDITION OF WHATEVER SHORINGS, SHEETING AND/OR BRACING THAT MAY BE REQUIRED.
- PROJECT DOCUMENTS ARE THE PROPERTY OF EMI EA AND ARE INTENDED FOR USE ON THIS SITE ONLY AND SHOULD NOT BE USED OR REPRODUCED FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN PERMISSION OF EMI UG.
- ALL FOOTINGS TO BE CENTERED ON WALL LINES. CAREFULLY LAY OUT FOOTING AND FOUNDATION WALL LOCATIONS ACCORDING TO DIMENSIONS SHOWN ON STRUCTURAL ENGINEER'S PLANS.
- DRAWING DIMENSIONS ARE EITHER FROM THE FACE OF OR FROM THE CENTER OF CONCRETE POSTS, MASONRY WALLS, RING BEAMS, RAFTERS AND TRUSSES. SPECIAL ATTENTION MUST BE MADE TO THE LOCATION OF EACH DIMENSION LINE. THIS IS CRITICAL SINCE IT MAY VARY.
- ALL COPIES MUST BE PRINTED TO SCALE.
- PLAN CUTS ARE ASSUMED TO BE TAKEN AT 1000mm ABOVE FF UNLESS NOTED OTHERWISE.
- ALL RETAINING WALLS TO BE CONSTRUCTED ACCORDING TO STANDARD PRACTICE AND PER THE STRUCTURAL ENGINEER'S DESIGNS, WHICH ARE NOT SUPPLIED BY EMI UG, AS NEEDED IN LOCATIONS ON CIVIL GRADING PLAN. CONSTRUCTION TYPE USED MUST BE APPROVED AS PER ITEM #1 ABOVE.
- EXTERIOR SLABS, SHORT WALKS, AND SIDEWALKS WILL BE SLOPED AT A MINIMUM OF 1% AWAY FROM BUILDING. ELEVATION LEVELS FOR ELEVATED SLABS, PORCHES, AND STEPS ARE GIVEN AT BUILDING WALL AND SHOULD SLOPE AWAY FROM WALL.
- EXTERIOR GRADE WILL BE SLOPED AT A MINIMUM OF 2% AWAY FROM BUILDING FOR A DISTANCE OF 2000mm MINIMUM. ALL SWALES SHALL DRAIN AWAY FROM BUILDINGS.
- ALL MANUFACTURED ITEMS SHALL BE INSTALLED OR APPLIED AS DIRECTED BY THE MANUFACTURER'S RECOMMENDATIONS.
- EMI UG PROVIDES DESIGNS FOR NONPROFIT ORGANIZATIONS THROUGHOUT EAST AFRICA. DURING THE TIME FRAME OF THIS PROJECT, EMI UG HAS RESEARCHED COMMONLY OBTAINABLE CONSTRUCTION PRODUCTS AND USED DESIGNS THAT ARE TYPICAL TO EAST AFRICA SO THAT LOCAL CONTRACTORS CAN CONSTRUCT THE DESIGN. IT IS REQUIRED THAT ALL GENERAL CONTRACTORS BE FULLY FAMILIAR WITH THE CONSTRUCTION PRACTICES NECESSARY AND FULLY ABLE TO READ AND UNDERSTAND THE EMI UG SUPPLIED PROJECT DOCUMENTS. IT IS THE RESPONSIBILITY OF THE CONTRACTORS TO READ AND STUDY IN DETAIL THE GIVEN PLANS, BEFORE CONSTRUCTION COMMENCES. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTORS TO FIND ANY MISTAKES AND RAISE ANY QUESTIONS WHEN INTERPRETING THE PROJECT DOCUMENTS, AND BRING THOSE TO THE ATTENTION OF EMI UG FOR CORRECTION OR CLARIFICATION.
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LEGEND

T	EXISTING WATER SPIGOT
---	EXISTING UNDERGROUND WATER SUPPLY LINE
---	EXISTING SANITARY SEWER LINE & COMPONENTS
---	EXISTING UNDERGROUND STORM WATER LINE
---	EXISTING DITCH
---	EXISTING TREE LINE
---	EXISTING AGRICULTURE FIELDS
---	EXISTING RECREATIONAL AREA
---	EXISTING BUILDING
---	EXISTING BUILDING PAD
---	EXISTING ANT HILL
---	EXISTING TREE
---	EXISTING NETBALL GOAL
---	SURVEY CONTROL POINT
---	PROPERTY LINE
---	102
---	EXISTING MAJOR CONTOUR (1m)
---	EXISTING MINOR CONTOUR (0.5m)
---	EXISTING ROAD
---	EXISTING RAILWAY TRACKS
---	EXISTING FOOTPATH
---	EXISTING FENCE (POST)
---	EXISTING POWER POLE
---	EXISTING OVERHEAD POWER LINE
---	EXISTING UNDERGROUND POWER LINE
---	EXISTING BORE HOLE
---	EXISTING WATER COLLECTION TANK

BUILDING & SITE LEGEND

EXISTING BUILDINGS:

- CHAPEL
- CLINIC
- STAFF HOUSE
- TOILET
- STORE
- LATRINE
- KITCHEN STORE
- KITCHEN
- OFFICES
- FIREWOOD SHED
- SITTING AREA/PAVILION
- BIRD PEN
- HOUSE
- PRODUCE STORE
- PIG STY
- SITE ENTRANCE
- BOREHOLE
- FOOTBALL
- PLAYGROUND
- STORE

TO DEMO:

- SHED
- LATRINE
- DISCONTINUED BOREHOLE

CONTROL POINTS TABLE

POINT ID (#)	NORTHING	EASTING	ELEVATION
10	10000.000	5000.000	100.000
13	9937.410	5089.770	106.880
14	9919.870	5021.930	106.380
15	10058.437	4982.188	93.901
16	10137.096	4995.526	89.941



- SURVEYED ON 12 JULY, 2018 BY EMI SURVEY PRACTICUM TEAM UNDER THE SUPERVISION OF MR. PATRICK COCHRANE & MR. MUHAMMADA VICTOR
- EQUIPMENT USED FOR SURVEY: TOPCON HIPTER, RTK GNSS, SOKKIA SET #6 TOTAL STATION, SOKKIA SET 500 TOTAL STATION AND TOPCON GTS 300 TOTAL STATION.
- RTK GNSS OBSERVATIONS TRANSFORMED TO GROUND COORDINATES AT REFERENCE CONTROL CP10 WITH ASSUMED GROUND COORDINATES AS: NORTH = 10000.000 EAST = 5000.000 ELEV = 100.000
- GEOCID POSITION OF CONTROL POINT CP10 DERIVED FROM POST PROCESSED STATIC GNSS OBSERVATIONS FOR 4HRS 08 MIN UTM COORDINATES AT CP10: ZONE 36(NORTH) NORTH = 42700.580 EAST = 51947.477 DERIVED FROM ABOVE STATIC POSITION
- ORTHOMETRIC ELEVATION CONTROL CP10 = 1152.871 DERIVED FROM ABOVE STATIC POSITION ELLIPSOIDAL HEIGHT CORRECTED WITH NGS08 GEOID MODEL
- CONTOUR INTERVAL 0.5 METERS
- ALL UNITS OF MEASUREMENT ARE IN METERS UNLESS OTHERWISE STATED
- THIS SURVEY IS NOT TO BE CONSIDERED A BOUNDARY DETERMINATION. IT DESIGNATES A ROUGH FENCED AREA ESTIMATED AT 2.660 HECTARES. IF AN ACTUAL BOUNDARY DETERMINATION IS REQUIRED, A PERSON OR ENTITY AUTHORIZED TO MAKE SUCH A DETERMINATION SHOULD BE CONSULTED
- PRIOR TO ANY CONSTRUCTION OF INFRASTRUCTURE, EMI RECOMMENDS A PERSON OR ENTITY AUTHORIZED TO MAKE A BOUNDARY DETERMINATION OF THIS PROPERTY VERIFY ANY EXISTING ENCROACHMENTS AND THAT PROPOSED INFRASTRUCTURE ARE NOT ENCROACHING UPON NEIGHBOURING PROPERTY
- CONTROL POINTS ARE 12MM x 300MM LONG ROUND IRON BAR (RB) DRIVEN TO GROUND LEVEL AND EMBEDDED IN CONCRETE
- UTILITIES WERE DISCOVERED ON THIS PROPERTY
- DRAWING COMPILED BY SURVEY PRACTICUM STUDENTS YEAR 2018 AND REVISIONS BY MR. PATRICK COCHRANE

DESIGN OFFICE:
emi Engineering Ministries International
P.O. BOX 3251
KAMPALA, UGANDA
info@emiia.org

SUPERVISING ARCHITECT:
JIL JERUSALEM INTERNATIONAL LTD
KOMAKECH STEPHEN
REG NO. 121
0772 544 450
KOMASTEVEN@YAHOO.COM

REV.	DATE	DESCRIPTION

THE AMAZIMA PRIMARY SCHOOL
PHASE 1

COVER SHEET, GENERAL NOTES AND EXISTING SITE SURVEY

PROJECT: UG-0202	SHEET NUMBER
DATE ISSUED: DEC 2018	CS.1

GRADING GENERAL NOTES

- GENERAL
 - A QUALIFIED SURVEYOR MUST LOCATE AND STAKE THE CRITICAL POINTS INDICATED IN THE POINT TABLES ON THIS SHEET.
 - ALL SURVEY BENCHMARKS SHALL BE PROTECTED IN PLACE. IN THE EVENT THAT A BENCHMARK IS DISTURBED OR COVERED NOTIFY THE OWNERS REPRESENTATIVE IMMEDIATELY.
 - MAINTAIN ACCESS ROADS TO PREVENT ACCUMULATION OF CONSTRUCTION RELATED DEBRIS ON ROADS.
 - MAINTAIN DRAINAGE CHANNELS ALONG EXISTING ROADS TO ENSURE PROPER DRAINAGE OF STORMWATER.
 - DRAINAGE SWALES TO BE GRADED TO THE MINIMUM DEPTHS SHOWN ON THESE PLANS AND SHALL HAVE A MINIMUM SLOPE OF 1.0%.
 - EXISTING TREES TO BE PROTECTED IN PLACE UNLESS NOTED OTHERWISE. CONTRACTOR TO CONSULT WITH OWNERS REPRESENTATIVE BEFORE REMOVING OR TRIMMING TREES.
- WALKWAYS
 - WALKWAYS TO HAVE A MINIMUM CROSS-SLOPE OF 2.0% AND A MAXIMUM CROSS-SLOPE OF 4.0%.
- TEMPORARY EROSION AND SEDIMENTATION CONTROL
 - PROVIDE TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES TO PREVENT SOIL EROSION AND DISCHARGE OF SOIL-BEARING WATER RUNOFF.
 - INSPECT, REPAIR, AND MAINTAIN EROSION AND SEDIMENTATION CONTROL MEASURES DURING CONSTRUCTION UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED.
 - DIRECT RUNOFF AWAY FROM CLEARED GROUND AND STEEP SLOPES.
 - PROTECT ALL DRAINAGE PATHS AND PIPE INLETS FROM SEDIMENT BUILDUP DURING CONSTRUCTION.
 - APPLY GRASS, STRAW, SANDBAGS, STONES, OR OTHER STABILIZING MATERIAL TO GRADED SLOPES.
 - BUILD TEMPORARY SWALES (AND/OR BERMS) AT THE TOP OF GRADED SLOPES TO SLOW AND DIVERT STORMWATER.
 - ESTABLISH FINAL SWALES AND DRAINAGE PATHS AND AN EARLY STAGE OF CONSTRUCTION.
 - REMOVE EROSION AND SEDIMENTATION CONTROLS AND RESTORE AND STABILIZE AREAS DISTURBED DURING REMOVAL.
- ROUGH GRADING
 - CONTRACTOR TO STRIP AND STOCKPILE SITE TOP-SOIL BEFORE COMMENCING GRADING. STOCK-PILED TOPSOIL TO BE USED FOR LANDSCAPING.
 - ROADWAY SURFACE, WALKWAY BASE LAYERS, AND STRUCTURES SHALL BE PLACED ON UNDISTURBED SUBSURFACE SOIL. IN NO CASE SHALL STRUCTURES OR HARDSCAPE BE PLACED ON TOPSOIL.
 - BUILDING PATHS SHALL BE CLEARED AND GRADED TO AN ELEVATION OF 0.30M BELOW THE FINAL FFE GRADE TO FOLLOWING DEPTHS BELOW FINISH GRADES:
 - 100mm FOR LANDSCAPE AREAS.
 - 100mm FOR PEDESTRIAN PATHS.
 - SLOPE ROUGH GRADE AWAY FROM BUILDING AT 2.0% MINIMUM. GRADE DITCHES TO DEPTH AS INDICATED.
 - ALL LANDSCAPING, WALKWAYS, AND VERANDAHs LOCATED ADJACENT TO BUILDINGS MUST BE SLOPED AWAY FROM THE BUILDINGS AT A MINIMUM OF 2.0% FOR A MINIMUM OF 3.0 METERS.
 - MAXIMUM ALLOWABLE CUT AND FILL SLOPES ARE 3H:1V UN.

BUILDING AND SITE KEY

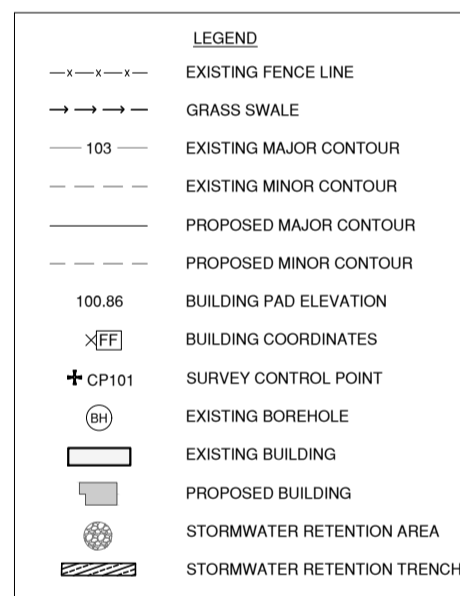
- EXISTING BUILDINGS:
- CHAPEL
 - CLINIC
 - STAFF HOUSE
 - TOILET
 - STORE
 - LATRINE
 - KITCHEN STORE
 - KITCHEN
 - OFFICES
 - FIREWOOD SHED
 - SITTING AREA PAVILION
 - BIRD PEN
 - HOUSE
 - PRODUCE STORE
 - PIG STY
 - SITE ENTRANCE
 - BOREHOLE
 - FOOTBALL FIELD
 - PLAYGROUND
 - STORE
- TO DEMO:
- SHED
 - LATRINE
 - DISCONTINUED BOREHOLE
- PROPOSED:
- ADMINISTRATION & STAFF BUILDING
 - LIBRARY & MEDIA BUILDING
 - FLEXIBLE SPACE
 - SCIENCE & ART BUILDING
 - CLASSROOMS
 - BOYS & GIRLS PIT LATRINE
 - BOYS PIT LATRINE
 - GIRLS PIT LATRINE
 - PARKING

BUILDING COORDINATES

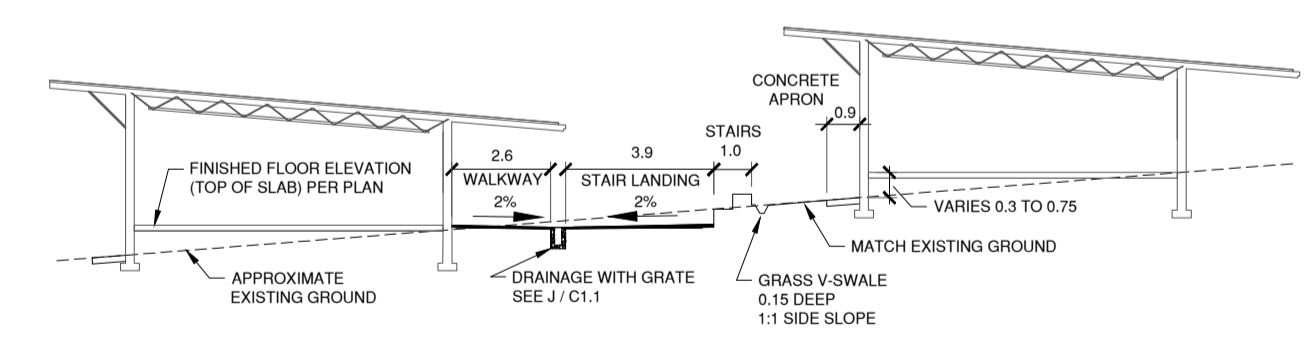
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AA	10017.115	5017.812	EA	10045.310	5023.701
AB	10010.506	5023.483	EB	10037.519	5027.491
AC	10001.009	5012.452	EC	10043.924	5040.649
BA	10003.106	5029.981	ED	10028.018	5032.114
BB	9996.570	5035.636	EE	10020.257	5035.889
BC	9986.083	5024.585	EF	10026.658	5049.045
CA	9990.734	5015.720	EG	10010.738	5040.521
CB	9984.215	5021.395	EH	10002.995	5044.296
CC	9974.611	5010.324	EJ	10009.362	5057.445
DA	9969.098	5042.134	EK	9993.529	5048.893
DB	9962.579	5047.811	EL	9985.727	5052.889
DC	9972.992	5036.739	EM	9992.127	5065.845
FA	9965.429	5028.036	EN	9976.222	5057.313
FB	9957.953	5016.351	EP	9968.444	5061.082
FC	9956.424	5017.662	EQ	9974.862	5074.244
GA	10059.508	5032.881	ER	9958.957	5065.713
GB	10061.293	5032.005	ES	9951.107	5069.488
GC	10057.240	5023.674	ET	9957.597	5082.644
HA	10067.082	5029.189	EU	9941.695	5074.111
HB	10068.867	5028.320	EV	9933.931	5077.888
HC	10064.814	5019.990	EW	9940.332	5091.044
JA	10052.178	4985.379			
JB	10040.572	4987.689			
JC	10031.472	4988.763			

CONTROL POINT TABLE

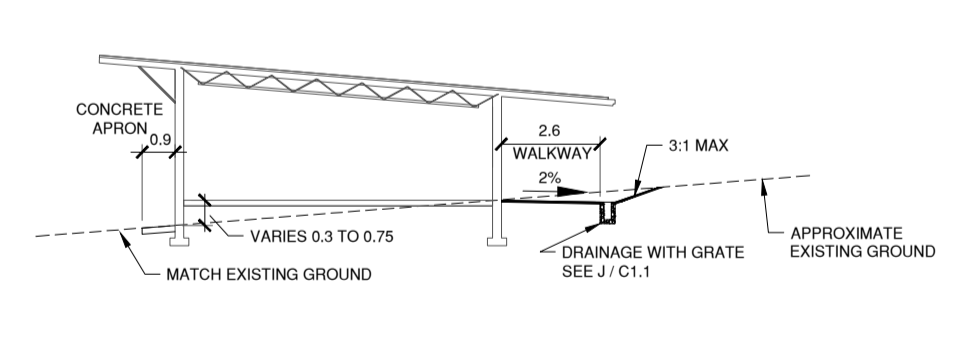
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10	10000.000	5000.00	100.00
13	9937.410	5089.770	106.880
14	9919.870	5021.930	105.360
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16	10137.096	4995.535	89.941



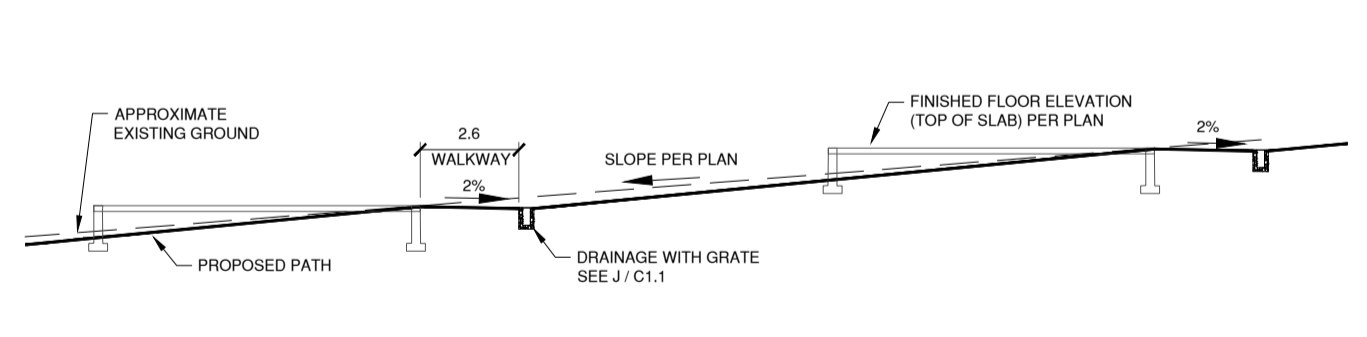
A GRADING AND DRAINAGE PLAN
C1.1 1:500



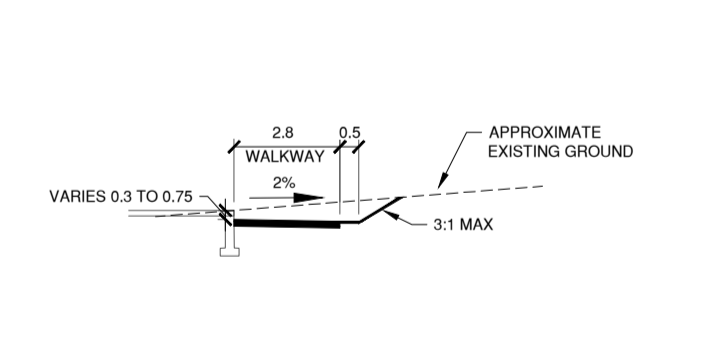
B CLASSROOM CROSS SECTION
C1.1 NOT TO SCALE



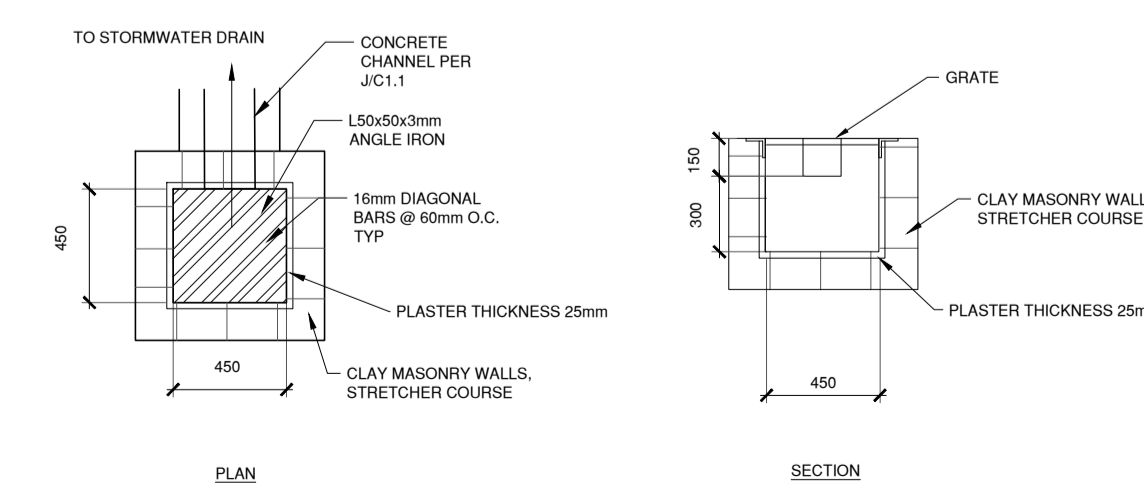
C CROSS SECTION FOR BUILDINGS A, B, C, D
C1.1 NOT TO SCALE



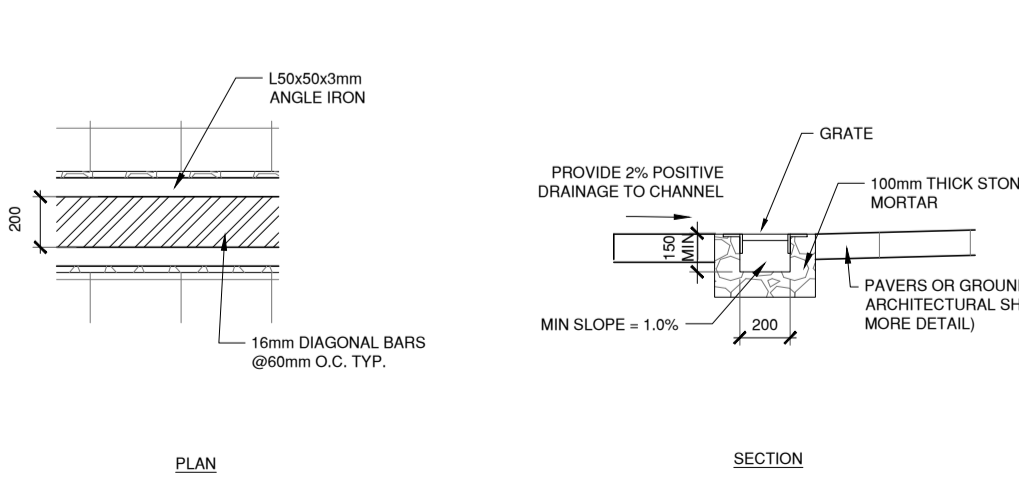
D TYPICAL PATH PROFILE
C1.1 NOT TO SCALE



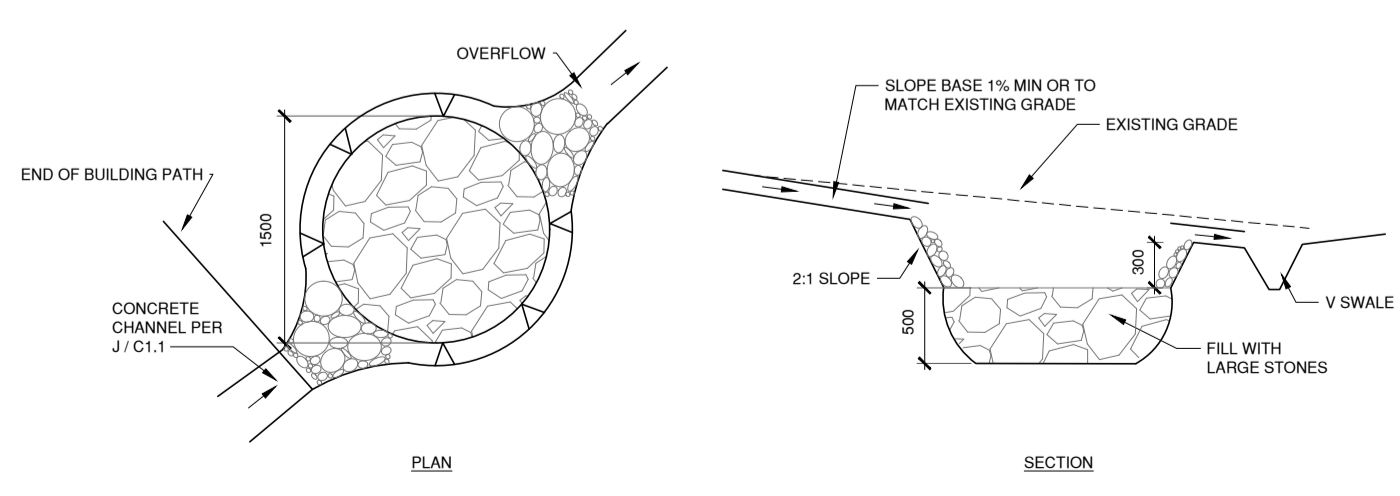
E PATH DETAIL
C1.1 NOT TO SCALE



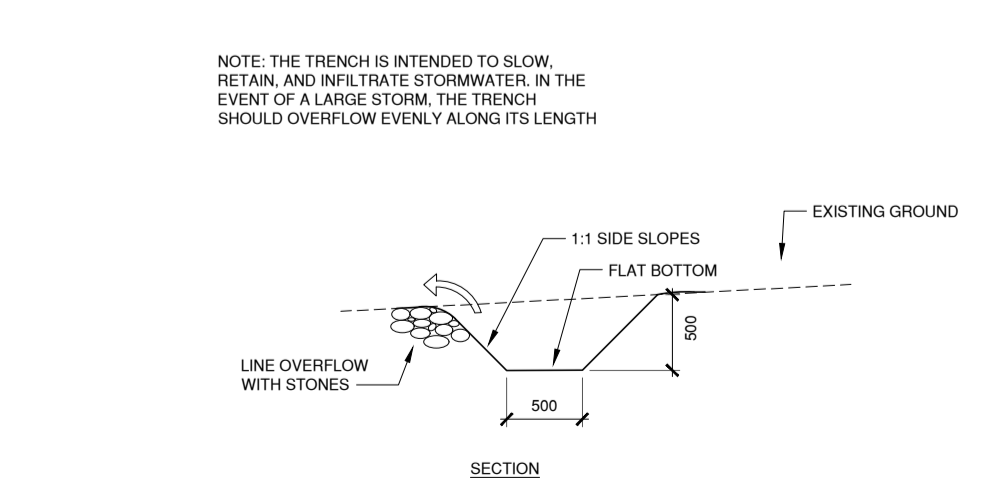
F STORMWATER INLET
C1.1 1:30



G DRAINAGE WITH GRATE DETAIL
C1.1 1:30



H STORMWATER RETENTION AREA
C1.1 1:50



K STORMWATER RETENTION TRENCH
C1.1 1:30

REV.	DATE	DESCRIPTION

THE AMAZIMA PRIMARY SCHOOL
PHASE 1

GRADING AND DRAINAGE PLAN

ALL DIMENSIONS IN M UNLESS OTHERWISE NOTED

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WATER SUPPLY AND DISTRIBUTION NOTES:
 1. ALL CONNECTIONS TO BUILDINGS SHALL BE 32mm HDPE. ALL CONNECTIONS AT MAIN TO BE MADE WITH A TEE AND SHALL INCLUDE A GATE VALVE ON THE BUILDING LINE.
 2. ALL PIPES TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS AND REQUIREMENTS.
 3. WATER LINES SHOULD CROSS ABOVE WASTEWATER LINES.
 4. REFER TO PLUMBING PLAN FOR BUILDING RISER PIPE LOCATION AND INTERIOR PIPE LAYOUT.

WASTEWATER NOTES:
 1. ALL WASTEWATER PIPES TO BE 110mm P66 PVC (UNLESS OTHERWISE NOTED) AT MINIMUM 2% SLOPE.
 2. GULLY TRAPS TO BE INSTALLED BETWEEN THE BUILDING AND THE JUNCTION BOX ON ALL NON TOILET WASTEWATER LINES. REFER TO PLUMBING PLAN FOR GULLY TRAP LOCATIONS.

BUILDING & SITE LEGEND

EXISTING BUILDINGS:
 1. CHAPEL
 2. CLINIC
 3. STAFF HOUSE
 4. TOILET
 5. STORE
 6. LATRINE
 7. KITCHEN STORE
 8. KITCHEN
 9. OFFICES
 10. FIREWOOD SHED
 11. SITTING AREA/PAVILION
 12. BIRD PEN
 13. HOUSE
 14. PRODUCE STORE
 15. POST OFFICE
 16. SITE ENTRANCE
 17. BOREHOLE
 18. FOOTBALL FIELD
 19. PLAYGROUND
 20. STORE

TO DEMO:
 21. SHED (NOT SHOWN)
 22. LATRINE
 23. DISCONTINUED BOREHOLE

PROPOSED:
 A. ADMINISTRATION & STAFF BUILDING
 B. LIBRARY & MEDIA BUILDING
 C. FLEXIBLE SPACE
 D. SCIENCE & ART BUILDING
 E. CLASSROOMS
 F. BOYS & GIRLS PIT LATRINE
 G. BOYS PIT LATRINE
 H. GIRLS PIT LATRINE
 J. PARKING

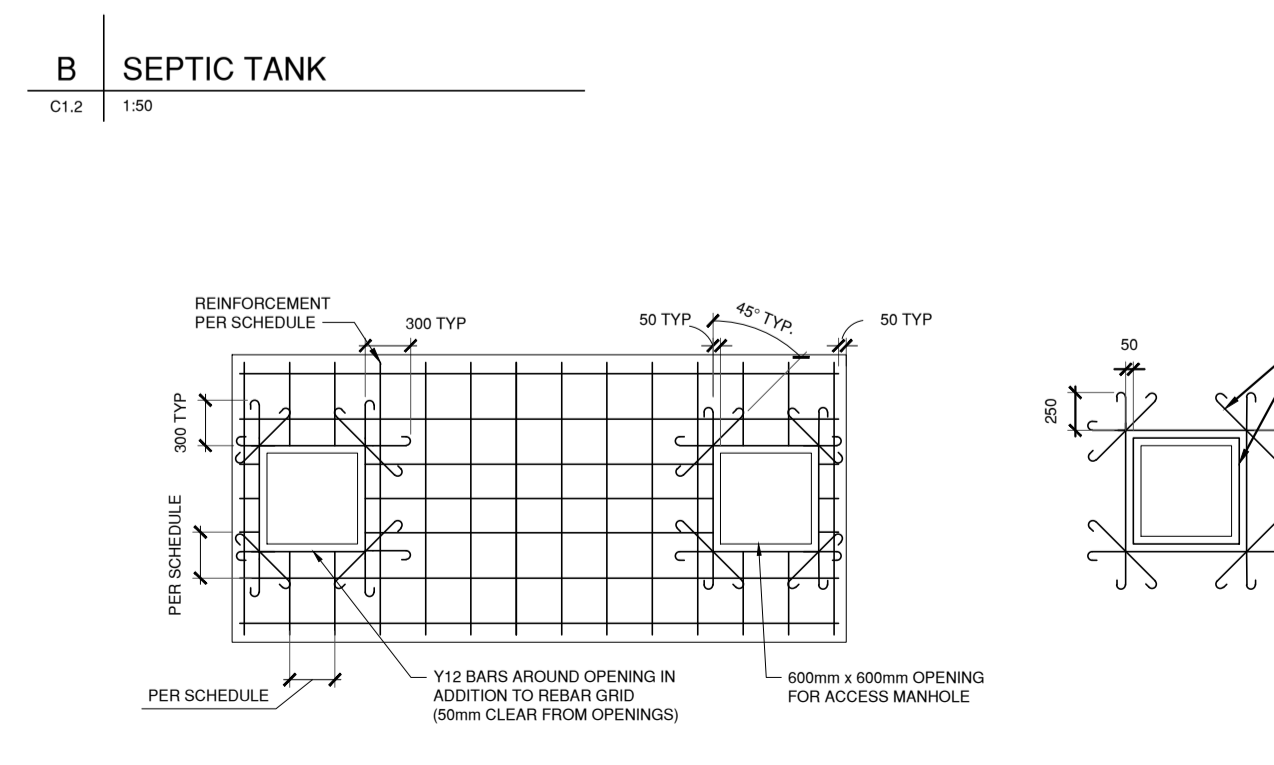
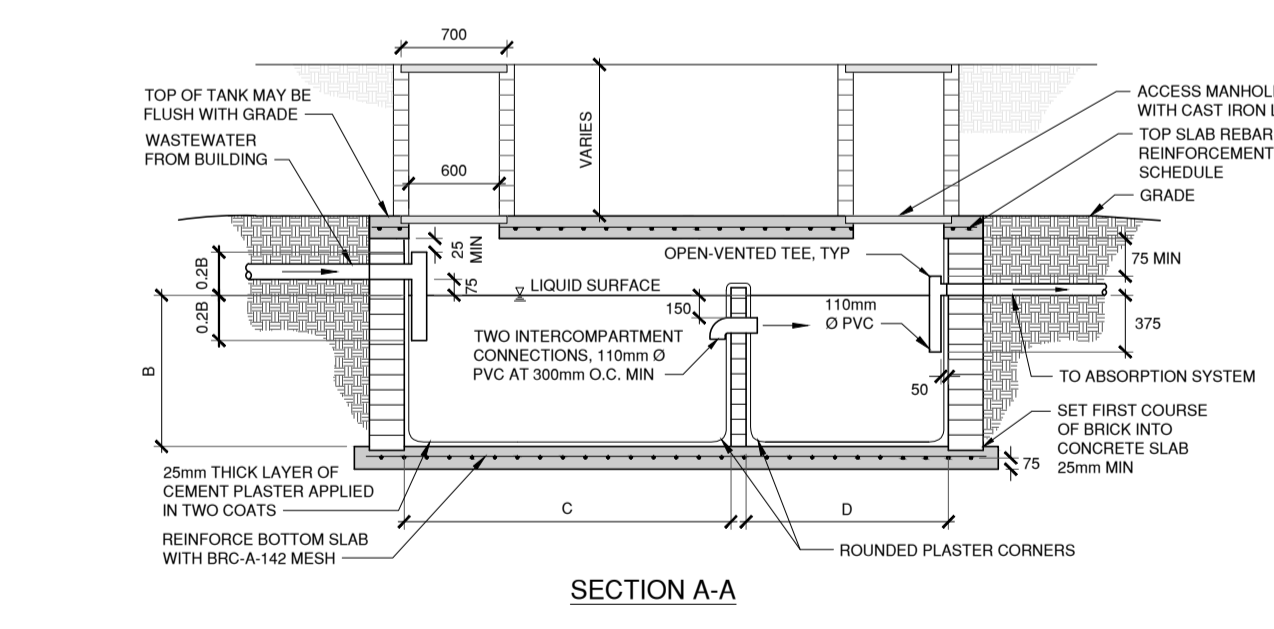
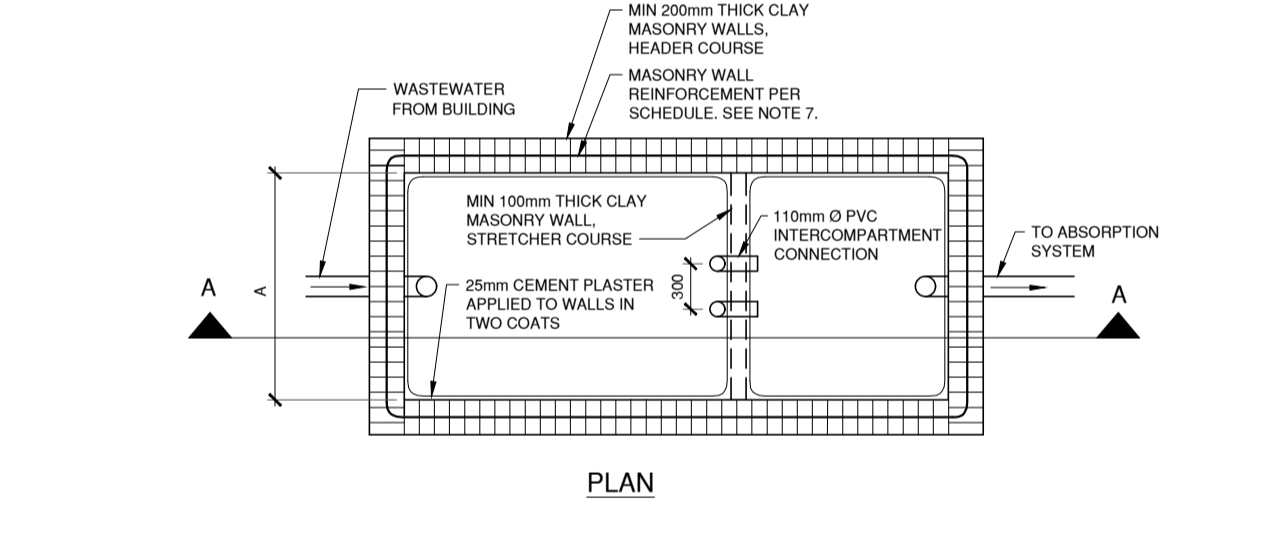
LEGEND

--- EXISTING FENCE
 --- EXISTING MAJOR CONTOUR
 --- EXISTING MINOR CONTOUR
 (BH) EXISTING BOREHOLE
 (W) EXISTING WATER TAP
 [] EXISTING BUILDING
 [] PROPOSED BUILDING
 [] SOAK PIT
 [] SEPTIC TANK
 [] JUNCTION BOX
 --- EXISTING WATER SUPPLY LINE
 --- EXISTING WATER DISTRIBUTION LINE
 --- PROPOSED WATER SUPPLY LINE
 --- PROPOSED WATER DISTRIBUTION LINE
 --- WATER VALVE BOX (SEE G/C1.2)
 --- PROPOSED SEWER LINE

NOTES
 1. OFFSETS FOR TANK LOCATION:
 • 1.5m FROM BUILDING FOUNDATIONS
 • 3m FROM PROPERTY LINES OR WATERLINE UNDER PRESSURE
 • 15m FROM WELL, SPRING, STREAM, OR OTHER SURFACE WATER BODY
 2. TANK WALLS SHALL BE MIN. 200mm BRICK MASONRY (HEADER COURSE) WITH 25mm INSIDE FINISH OF CEMENT PLASTER.
 3. BRICK WALLS ARE SEALED WITH 25mm PLASTER INSIDE FINISH (APPLIED IN TWO LAYERS) TO PREVENT SEEPAGE THROUGH BRICKS. PREPARE PLASTER WITH LEAK SEAL OR EQUIVALENT.
 4. REINFORCED CONCRETE SLABS AND MASONRY WALLS SHALL BE REINFORCED IN ACCORDANCE WITH THE SCHEDULE.
 5. EMBED FIRST COURSE OF BRICK FOR WALLS 25mm INTO BOTTOM SLAB.
 6. SPLICE ALL REINFORCEMENT 450mm MINIMUM EXCEPT AS NOTED.
 7. TOP SLAB REINFORCEMENT SHALL BE LOCATED 40mm CLEAR FROM BOTTOM OF SLAB.

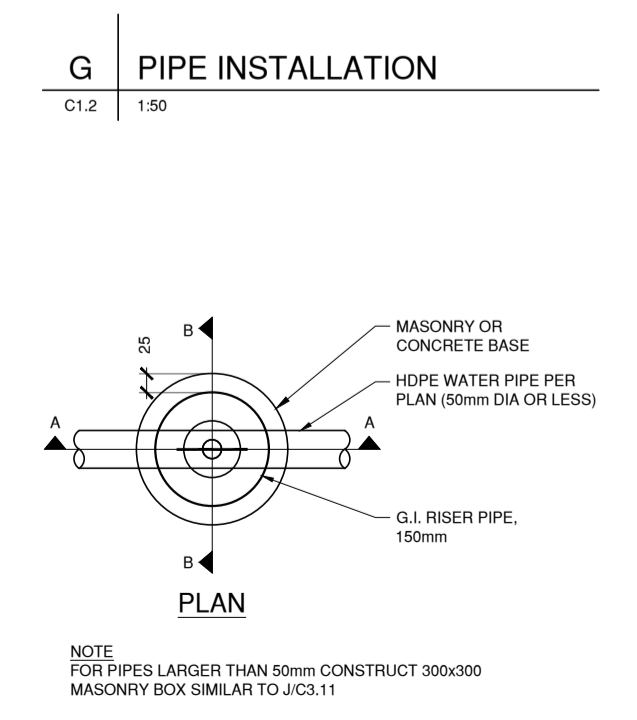
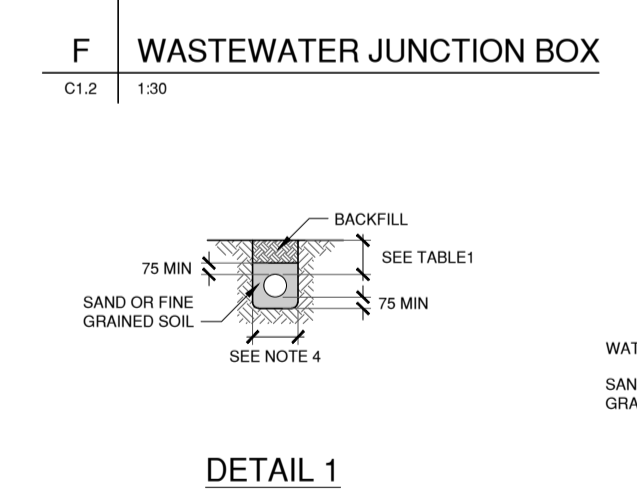
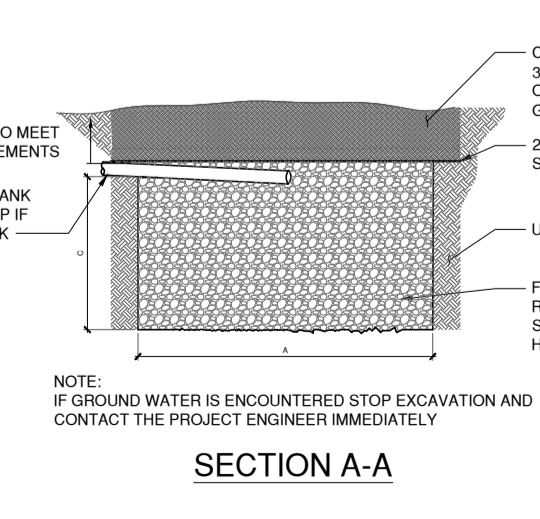
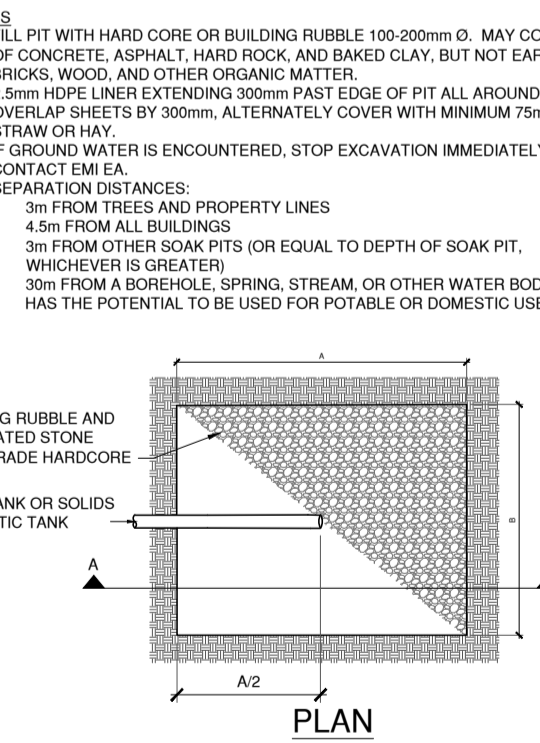
SEPTIC TANK SCHEDULE

DESIGNATION	A (mm)	B (mm)	C (mm)	D (mm)	TOP ELEV.	INV IN	INV OUT
ST01	700	1200	1000	500	99.40	99.10	99.03



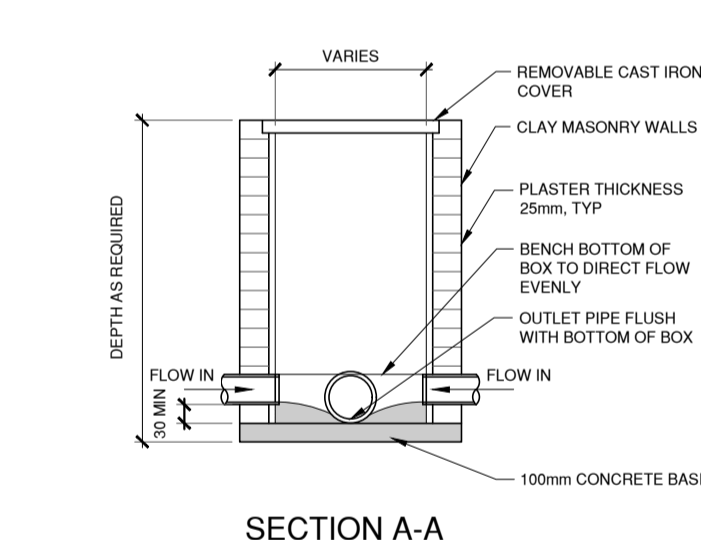
SOAK PIT SCHEDULE (mm)

DESIGNATION	LENGTH A	WIDTH B	DEPTH C	QTY
AP01	2100	2000	2000	1
AP02	2000	2000	1800	1
AP03	2400	2400	2200	1
AP04	2200	2200	1800	1



WASTEWATER JUNCTION BOX

ID	TOP ELEV.	INV. IN	FROM	INV. OUT	DEPTH (mm)
01	99.75	99.21	SINK	99.15	510
02	99.81	99.27	SINK	99.24	570
03	102.14	101.78	SINK	101.75	360
04	101.74	101.43	SINK / WW03	101.40	310
05	102.90	102.46	SINK	102.43	470
06	103.80	103.15	SINK / WW05	103.12	1580
07	98.02	95.90	SINK	95.47	590
08	96.02	95.31	URINAL / WW07	95.28	740
09	96.61	95.10	SINK	95.07	640
10	96.61	95.90	SQUAT PAN / WW09	95.87	740



NOTES
 1. INVERT OF PIPES (OUT) SHOULD BE PLACED MINIMUM 30mm BELOW INVERT OF PIPE IN.
 2. JUNCTION BOX DEPTH SHOULD HAVE A MINIMUM OF 310mm TO AVOID PIPE EXPOSURE.

JUNCTION BOX DIMENSIONS (mm)

DEPTH	INSIDE DIMENSION	MASONRY BOND
0-700	450	STRETCHER
700-1500	600	STRETCHER
1500 AND UP	1000	HEADER

NOTES
 1. WATER AND WASTEWATER PIPES SHOULD BE PLACED AT A HORIZONTAL MINIMUM SEPARATION OF 3m, IF NOT POSSIBLE, DETAIL 2 SHOULD BE USED.
 2. WHEN WATER AND WASTEWATER PIPES CROSS, THE BOTTOM OF THE WATER PIPE SHOULD BE A MINIMUM OF 300mm ABOVE THE TOP OF THE WASTEWATER PIPE. HORIZONTAL SPACING SHOULD BE 300mm MIN. PIPES SHOULD CROSS AT AN ANGLE OF 45° OR GREATER.
 3. AT AN ELECTRICAL CABLE CROSSING, THE BOTTOM OF THE CONDUIT SHOULD BE A MINIMUM OF 50mm ABOVE THE TOP OF THE WATER OR WASTEWATER PIPE. MAINTAIN A MINIMUM HORIZONTAL SEPARATION BETWEEN ELECTRICAL CONDUIT AND WATER AND WASTEWATER PIPES.
 4. TRENCH WIDTH SHOULD BE A MINIMUM OF THE OUTSIDE PIPE DIAMETER PLUS 150mm.

TABLE 1
 MINIMUM COVER FOR UNDERGROUND PIPE (mm)

LOCATION	WATER	WASTEWATER
DRIVEWAY	450	600
OTHER	300	300

THE AMAZIMA PRIMARY SCHOOL
PHASE 1

SITE UTILITIES PLAN

REV.	DATE	DESCRIPTION

PROJECT: **UG-0202**
 DATE ISSUED: **DEC 2018**
 SHEET NUMBER: **C1.2**

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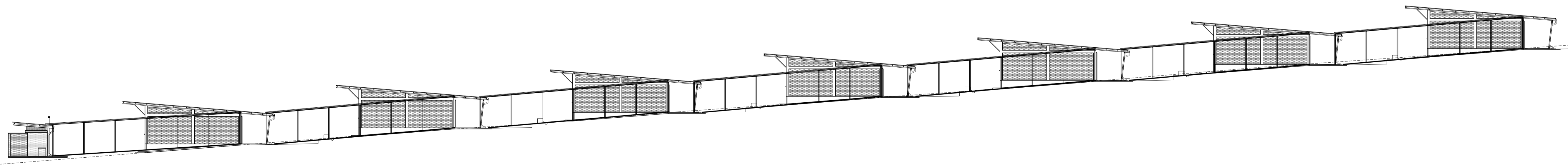
ALL DIMENSIONS IN M UNLESS OTHERWISE NOTED

- LEGEND**
- T EXISTING WATER SPIGOT
 - EXISTING UNDERGROUND WATER SUPPLY LINE
 - EXISTING SANITARY SEWER LINE & COMPONENTS
 - EXISTING UNDERGROUND STORM WATER LINE
 - EXISTING DITCH
 - EXISTING TREE LINE
 - EXISTING AGRICULTURE FIELDS
 - EXISTING RECREATIONAL AREA
 - EXISTING BUILDING
 - EXISTING BUILDING PAD
 - EXISTING ANT HILL
 - EXISTING TREE
 - EXISTING NETBALL GOAL
 - CP101 SURVEY CONTROL POINT
 - PROPERTY LINE
 - 102 EXISTING MAJOR CONTOUR (1m)
 - EXISTING MINOR CONTOUR (0.5m)
 - EXISTING ROAD
 - EXISTING RAILWAY TRACKS
 - EXISTING FOOTPATH
 - EXISTING FENCE (POST)
 - EXISTING POWER POLE
 - EXISTING OVERHEAD POWER LINE
 - EXISTING UNDERGROUND POWER LINE
 - BH EXISTING BORE HOLE
 - CT 1 EXISTING WATER COLLECTION TANK
 - PROPOSED BUILDING ADDITION - FUTURE PHASE
 - BOUNDARY GIVEN DATA - ENTRY SIDE DRAIN

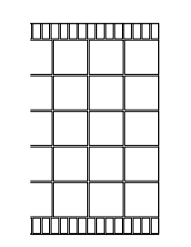
- BUILDING & SITE LEGEND**
- EXISTING BUILDINGS:
1. CHAPEL
 2. CLINIC
 3. STAFF HOUSE
 4. TOILET
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 6. LATRINE
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 8. KITCHEN
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 10. FIREWOOD SHED
 11. SITTING AREA PAVILION
 12. BIRD PEN
 13. HOUSE
 14. PRODUCE STORE
 15. PIG STY
 16. SITE ENTRANCE
 17. BOREHOLE
 18. FOOTBALL FIELD
 19. PLAYGROUND
 20. STORE
- PROPOSED:
- A ADMINISTRATION & STAFF BUILDING
 - B LIBRARY & MEDIA BUILDING
 - C COMPUTER ROOM & FLEXIBLE SPACE
 - D SCIENCE & ART BUILDING
 - E CLASSROOMS
 - F BOYS & GIRLS PIT LATRINE
 - G BOYS PIT LATRINE
 - H GIRLS PIT LATRINE
 - J PARKING



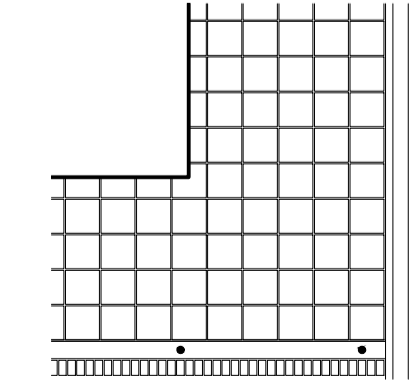
A ARCHITECTURAL SITE PLAN
 A1.0 | 1:500



B PARTIAL SITE ELEVATION
 A1.0 | 1:200



C TYPICAL PAVING LAYOUT- PATHS
 A1.0 | 1:100



D TYPICAL PAVING LAYOUT- COVERED WALKWAY
 A1.0 | 1:100

NOTE: See MS2.1 for paving installation options. Submit RFI for further details.

ALL DIMENSIONS IN M UNLESS OTHERWISE NOTED

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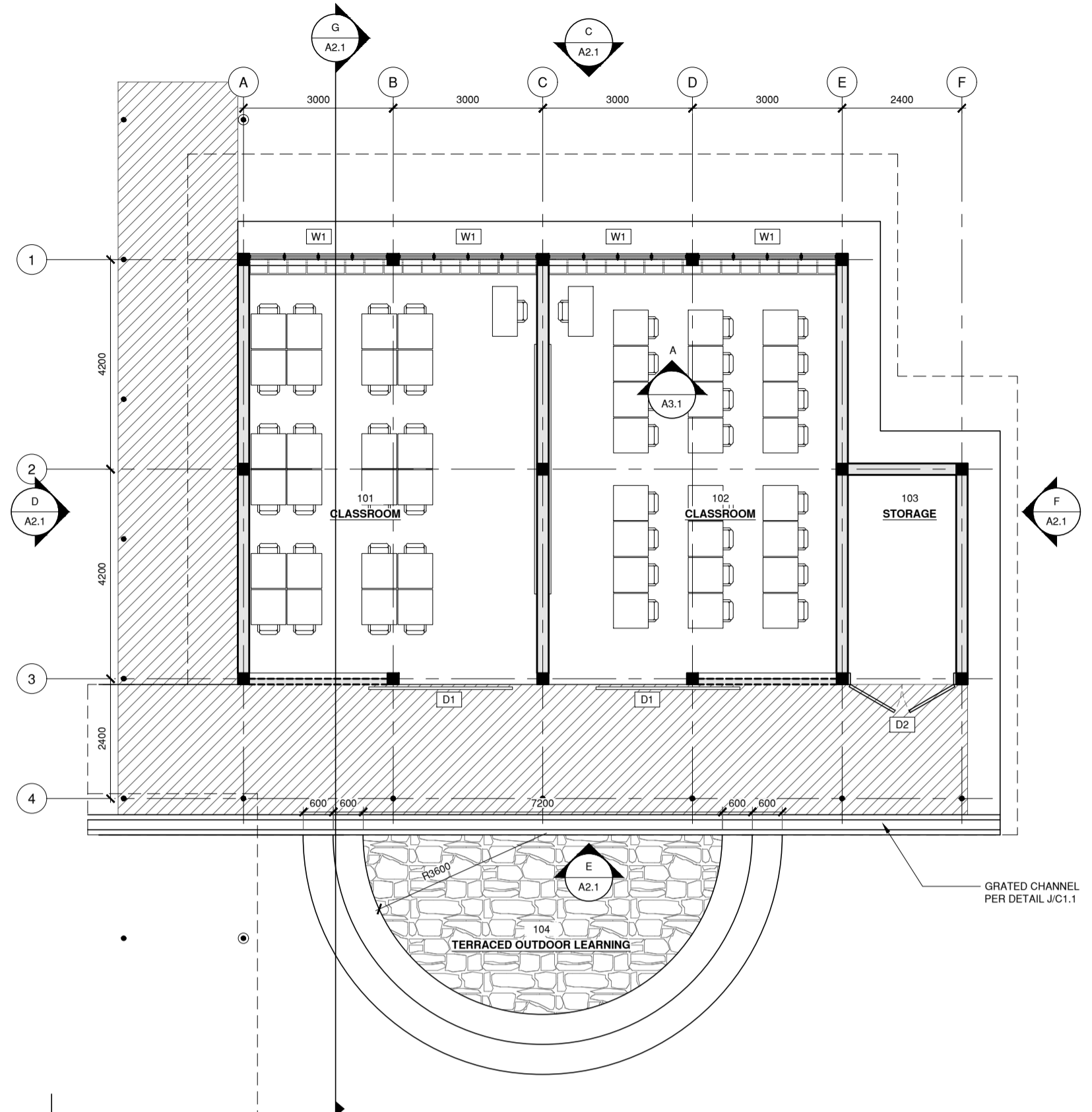
THE AMAZIMA PRIMARY SCHOOL
PHASE 1

ARCHITECTURAL SITE PLAN

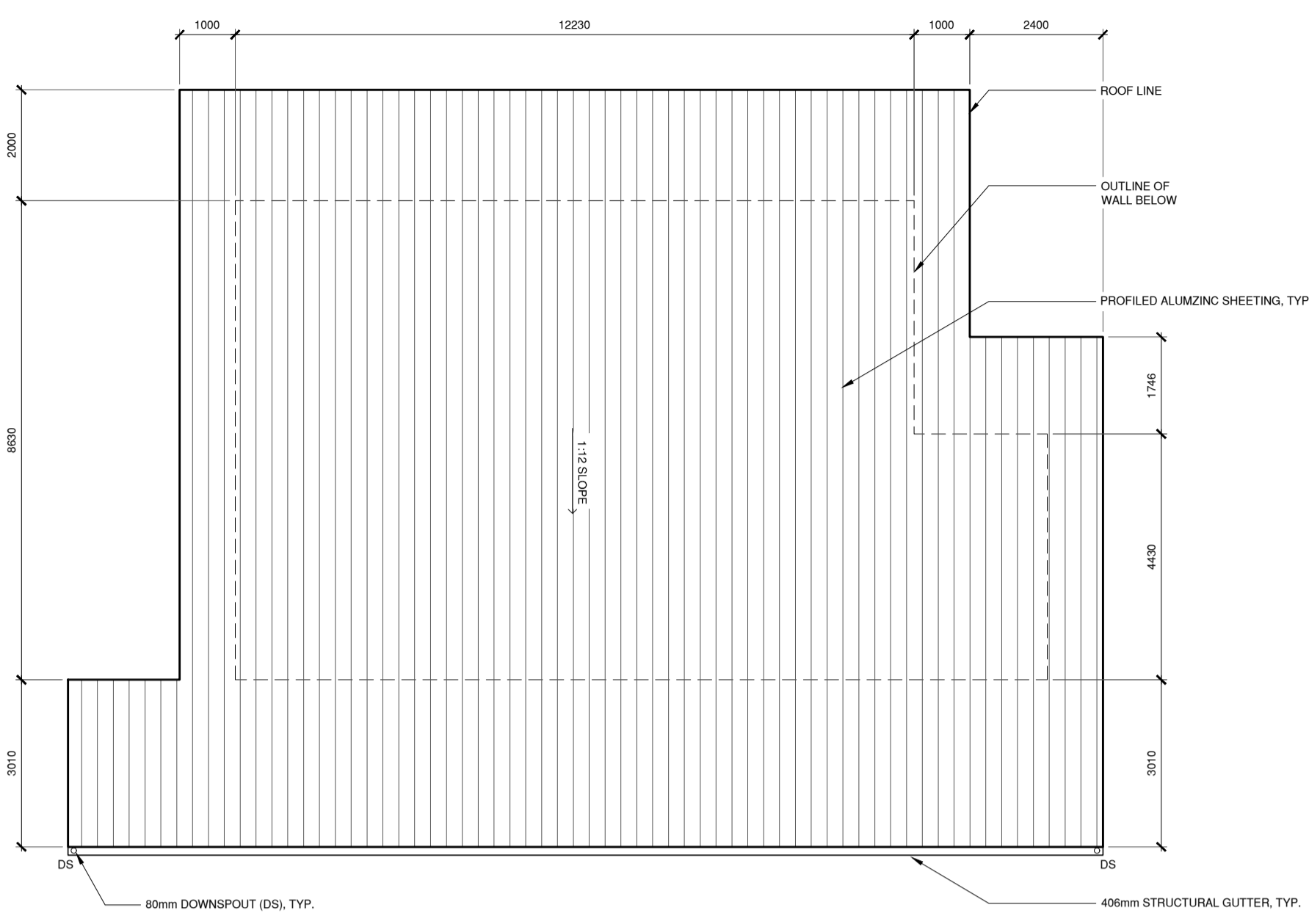
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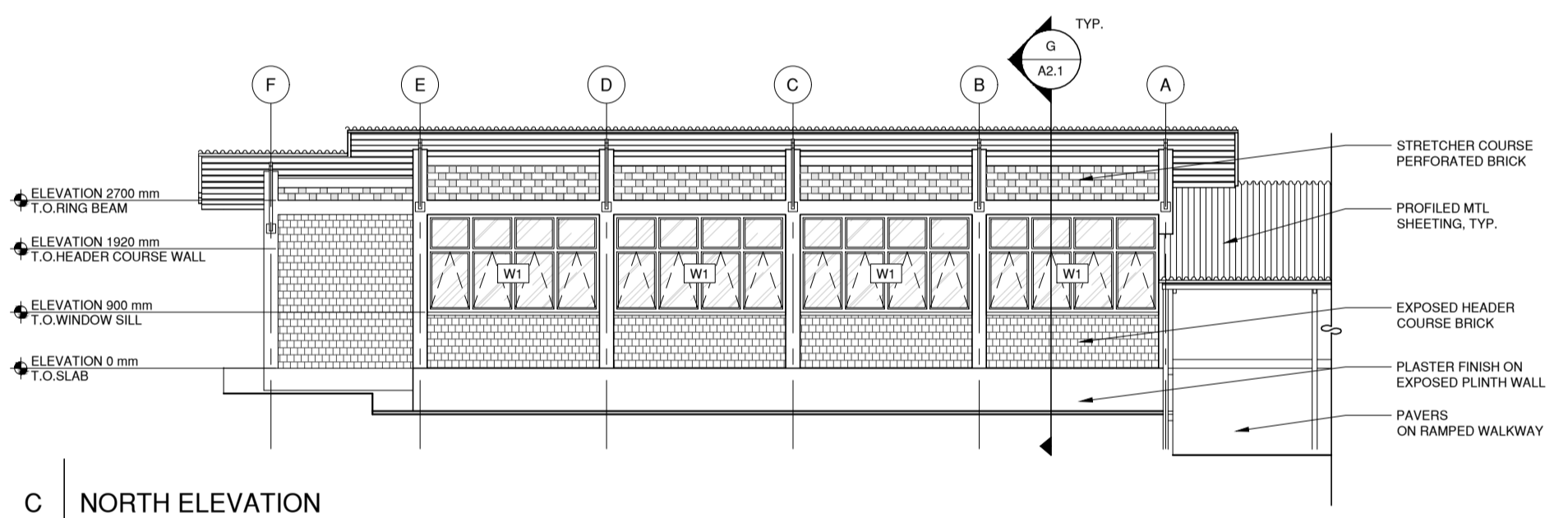
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- GROUND FLOOR T.O. SLAB NOTED AS 0000mm
 - DOOR FRAMES TO BE PLACED 150mm FROM FACE OF ADJACENT PERPENDICULAR WALL UON
 - TYPICAL WALL DIMENSIONS ARE TO FACE OF MASONRY UON
 - ALL EXPOSED BEAM AND COLUMN FACES TO RECEIVE PLASTER FINISH
 - SCREENS TO BE INSTALLED ON INSIDE FACE OF PERFORATED BRICK (ABOVE RING BEAM TO U/S OF ROOF)
 - SCREED CONTROL JOINT LAYOUT TO BE PER ARCH SPEC. SUBMIT PER IFC DETAILS, CONTROL JOINTS IN:
 - METAL POST
 - REINFORCED CONCRETE COLUMN SEE STRUCTURAL DRAWINGS
 - 200mm THICK HEADER COURSE BRICK WALL TO UNDERSIDE OF ROOF STRUCTURE UON.
 - 115mm THICK STRETCHER COURSE PERFORATED BRICK OVER HEADER COURSE BRICK WALL TO UNDERSIDE OF ROOF STRUCTURE UON. SEE K/S:0
 - ROOF EXTENTS
 - DOOR/ROOM TAG - SEE SCHEDULE ON A3.1
 - DS DOWNSPOUT 80mm Ø
 - 450x450x50 CEMENT PAVERS
 - STONE PAVING



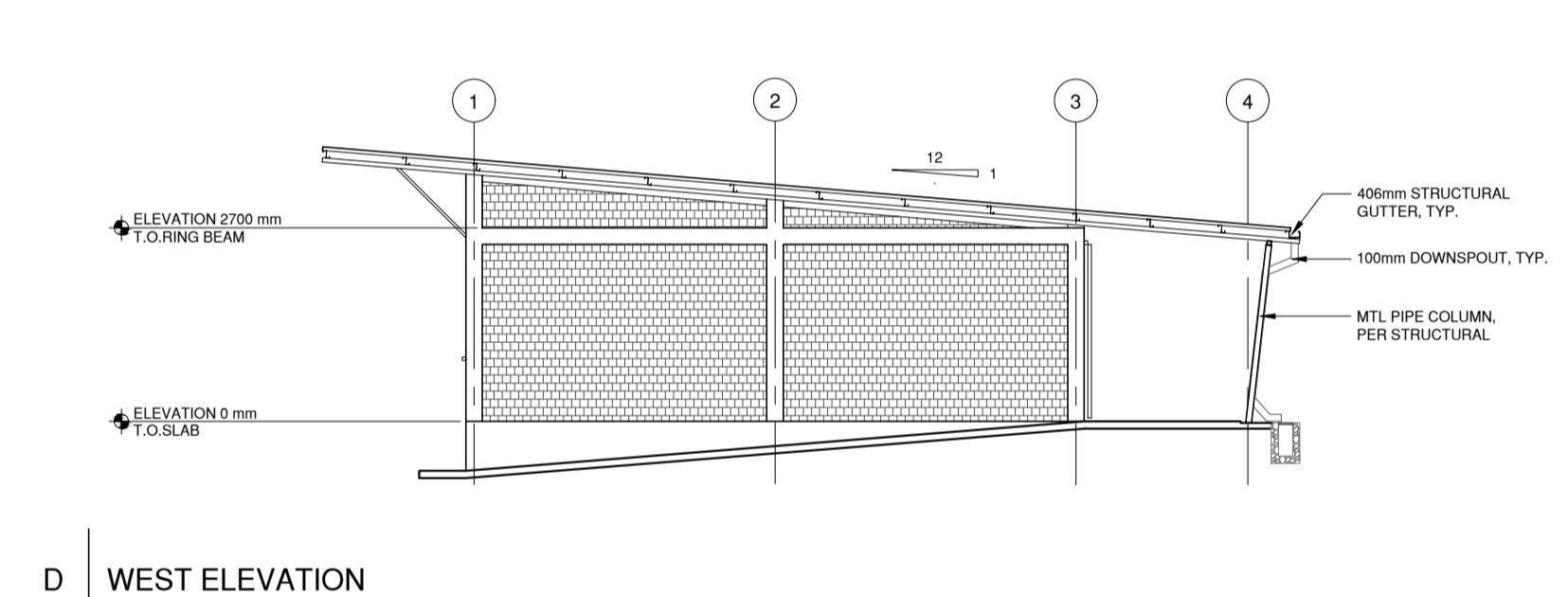
A FLOOR PLAN
 A2.1 1:100



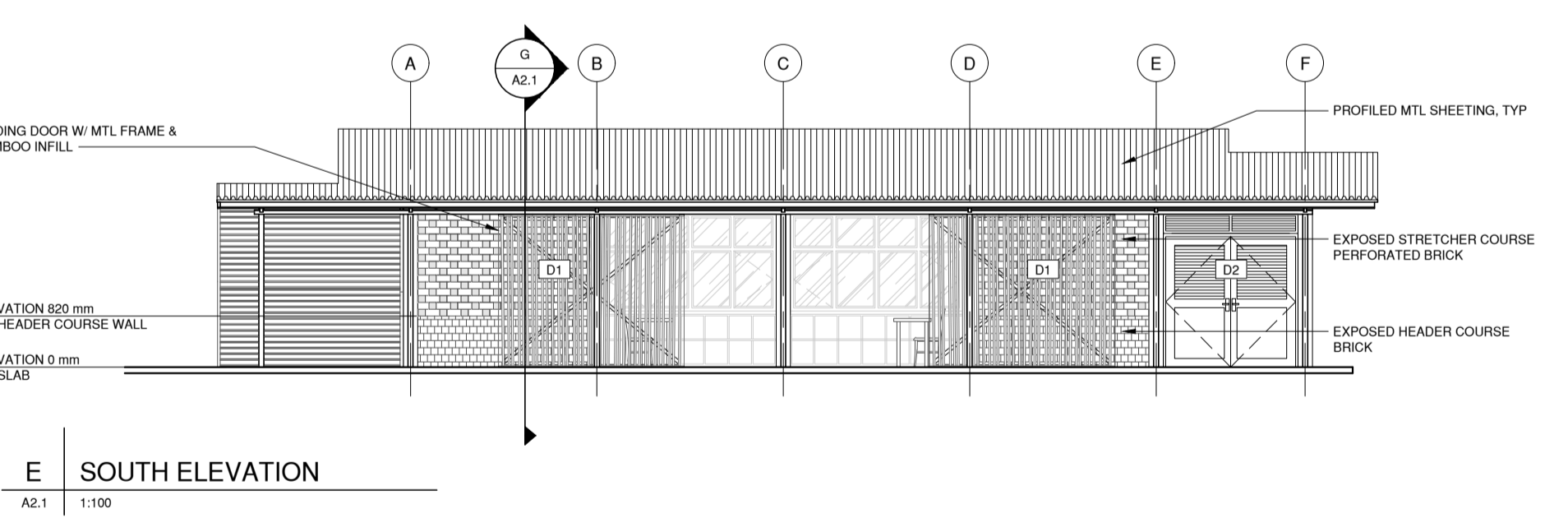
B ROOF PLAN
 A2.1 1:100



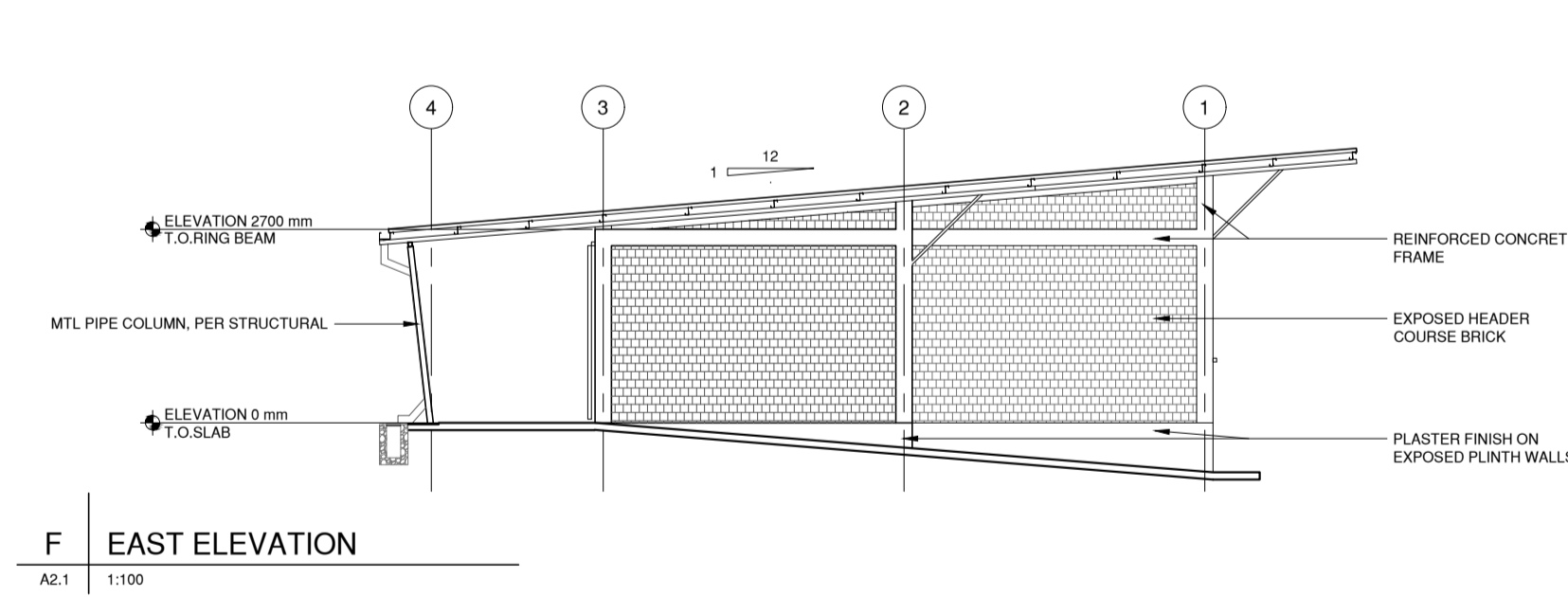
C NORTH ELEVATION
 A2.1 1:100



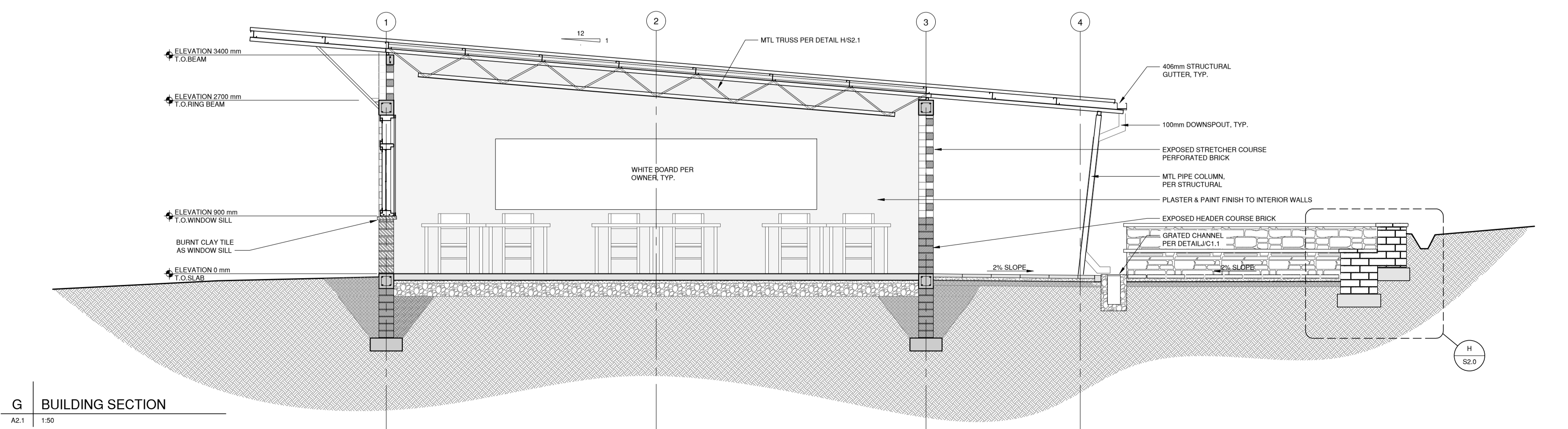
D WEST ELEVATION
 A2.1 1:100



E SOUTH ELEVATION
 A2.1 1:100



F EAST ELEVATION
 A2.1 1:100



G BUILDING SECTION
 A2.1 1:50

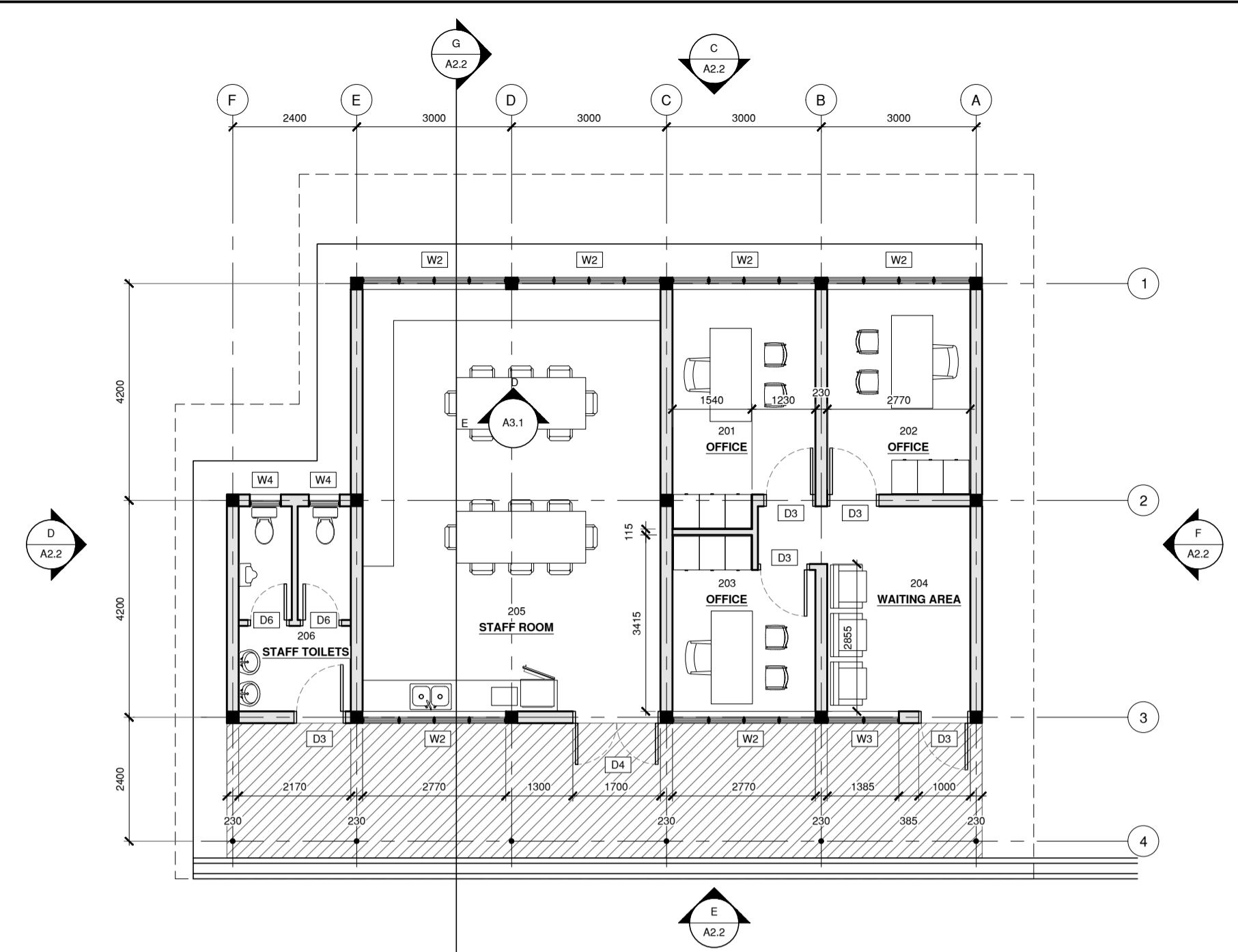
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THE AMAZIMA PRIMARY SCHOOL
PHASE 1

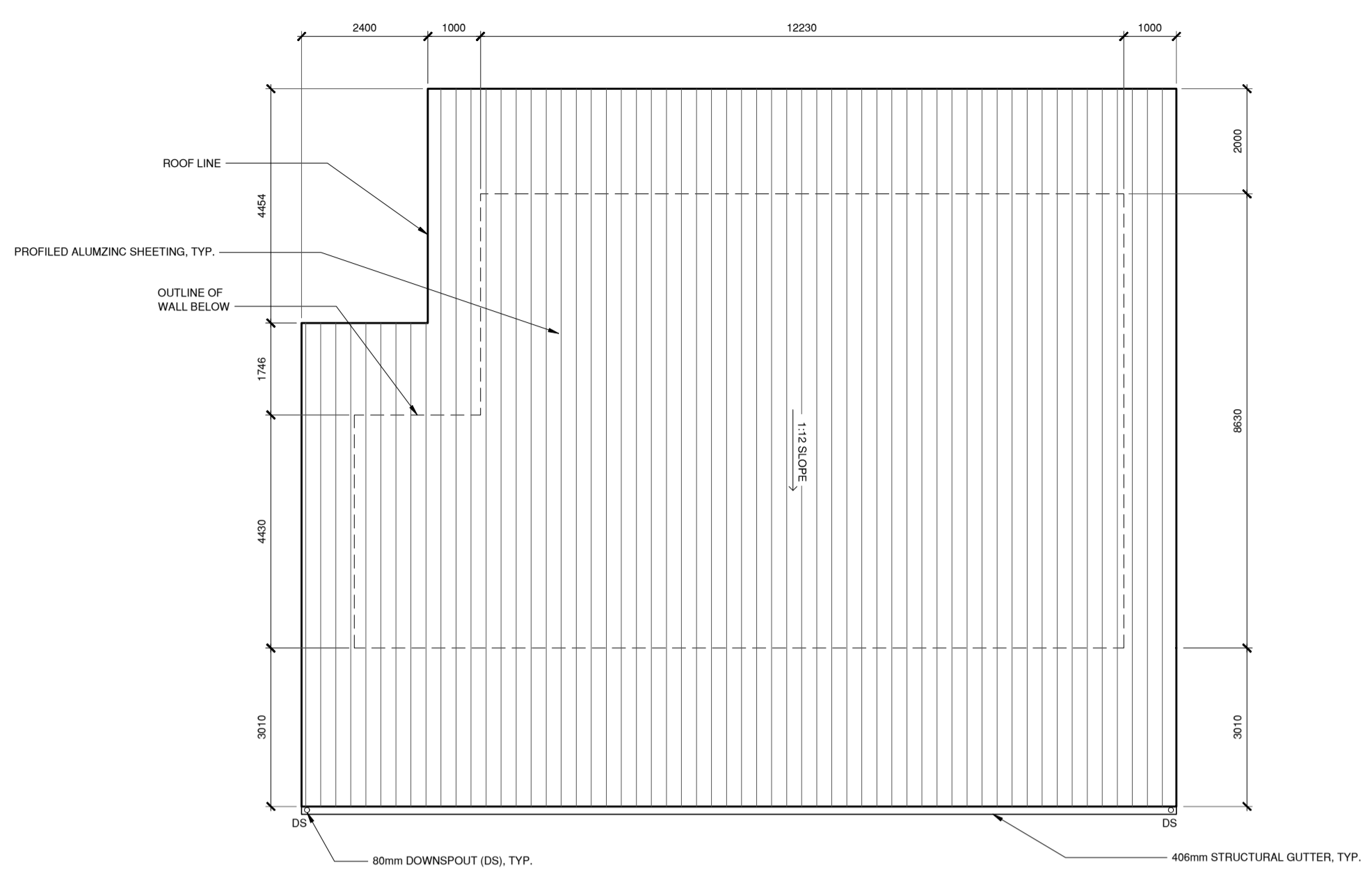
TYPICAL CLASSROOM BLOCK: FLOOR & ROOF PLANS, ELEVATIONS, SECTION

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DATE ISSUED: DEC 2018	

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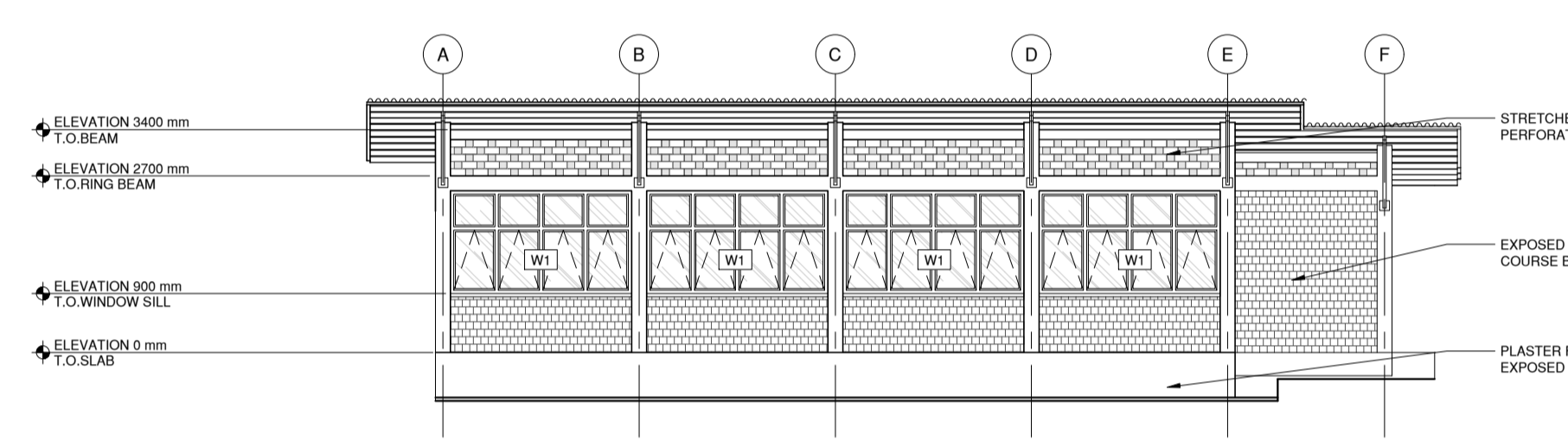


A FLOOR PLAN
 A2.2 1:100

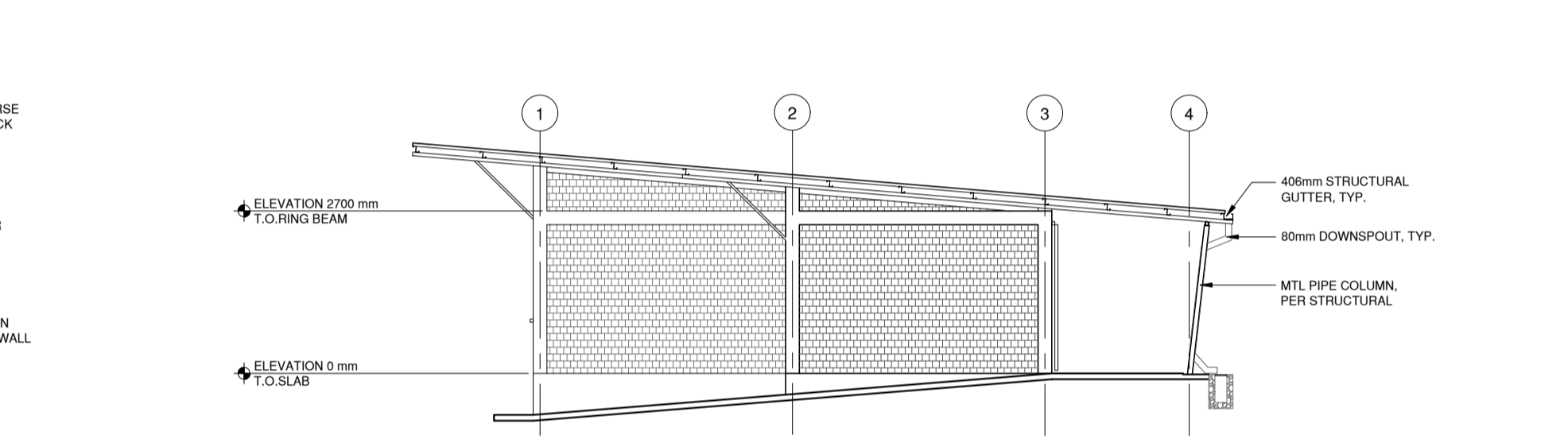


B ROOF PLAN
 A2.2 1:100

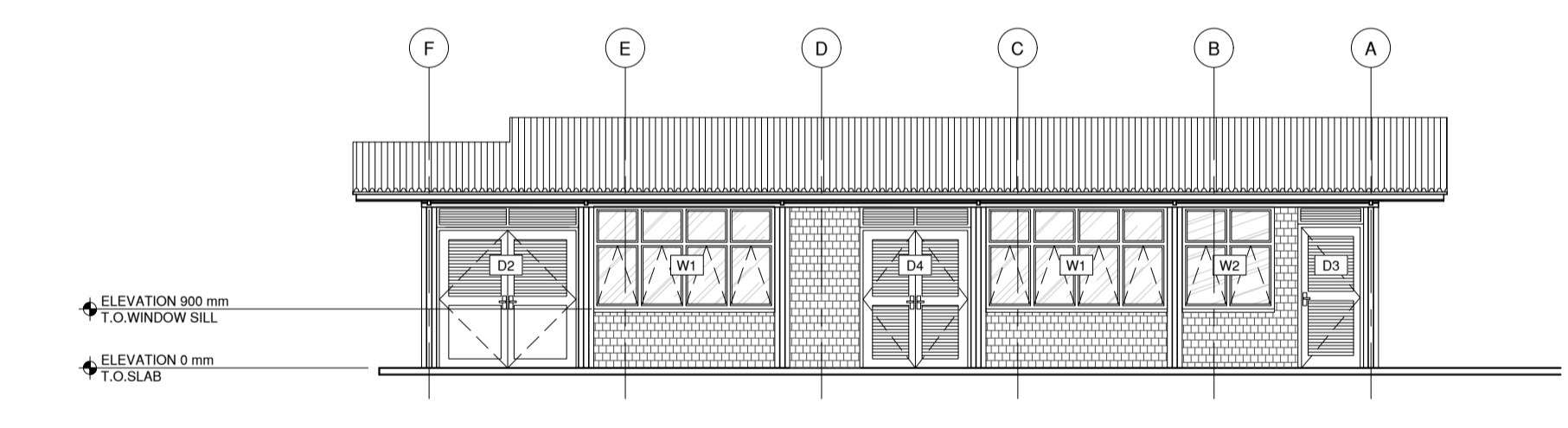
- GENERAL NOTES:**
- GROUND FLOOR T.O. SLAB NOTED AS 0000mm
 - DOOR FRAMES TO BE PLACED 150mm FROM FACE OF ADJACENT PERPENDICULAR WALL UON
 - TYPICAL WALL DIMENSIONS ARE TO FACE OF MASONRY UON
 - ALL EXPOSED BEAM AND COLUMN FACES TO RECEIVE PLASTER FINISH
 - SCREENS TO BE INSTALLED ON INSIDE FACE OF PERFORATED BRICK (ABOVE RING BEAM TO UIS OF ROOF)
 - SCREEN CONTROL JOINT LAYOUT TO BE PER ARCH SPEC. SUBMIT PER FOR DETAILS, CONTROL JOINTS IN:
 - METAL POST
 - REINFORCED CONCRETE COLUMN SEE STRUCTURAL DRAWINGS
 - 200mm THICK HEADER COURSE BRICK WALL TO UNDERSIDE OF ROOF STRUCTURE UON.
 - 115mm THICK STRETCHER COURSE PERFORATED BRICK OVER HEADER COURSE BRICK WALL TO UNDERSIDE OF ROOF STRUCTURE UON. SEE K:1:3:0
 - ROOF EXTENTS
 - DOORROOM TAG - SEE SCHEDULE ON A3.1
 - DS DOWNSPOUT 80mm Ø
 - 450x450x60 CEMENT PAVERS
 - STONE PAVING



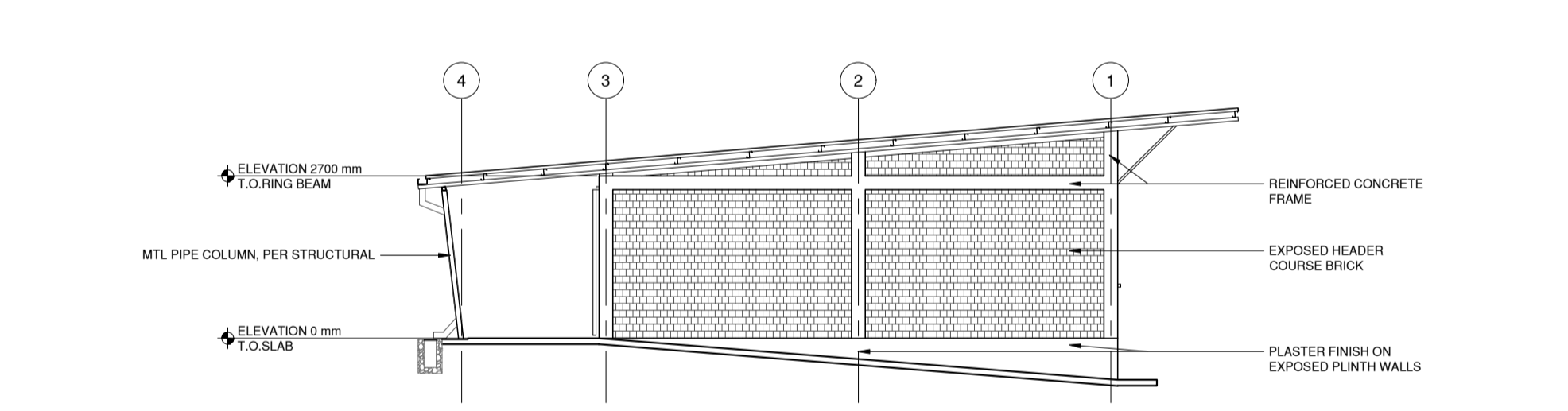
C NORTH ELEVATION
 A2.2 1:100



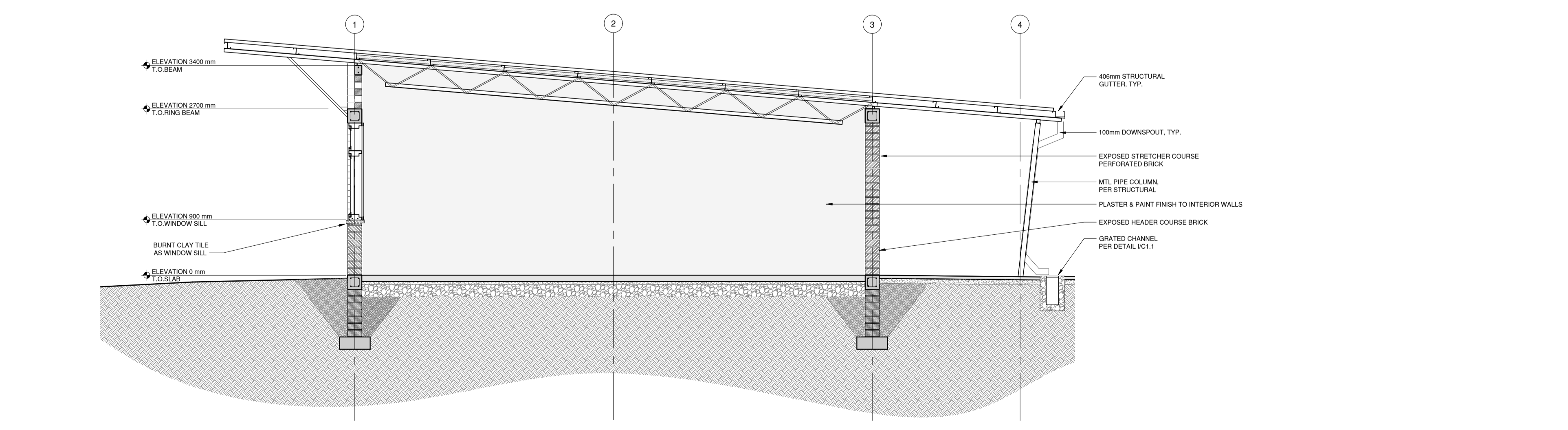
D WEST ELEVATION
 A2.2 1:100



E SOUTH ELEVATION
 A2.2 1:100



F EAST ELEVATION
 A2.2 1:100



G BUILDING SECTION
 A2.2 1:50

DESIGN OFFICE: **eMi Engineering Ministries International**
 P.O. BOX 3251
 KAMPALA, UGANDA
 info@emiia.org

SUPERVISING ARCHITECT: **JIL JERUSALEM INTERNATIONAL LTD**
 KOMAKECH STEPHEN
 REG NO. 121
 0772 544 450
 KOMASTEVEN@YAHOO.COM

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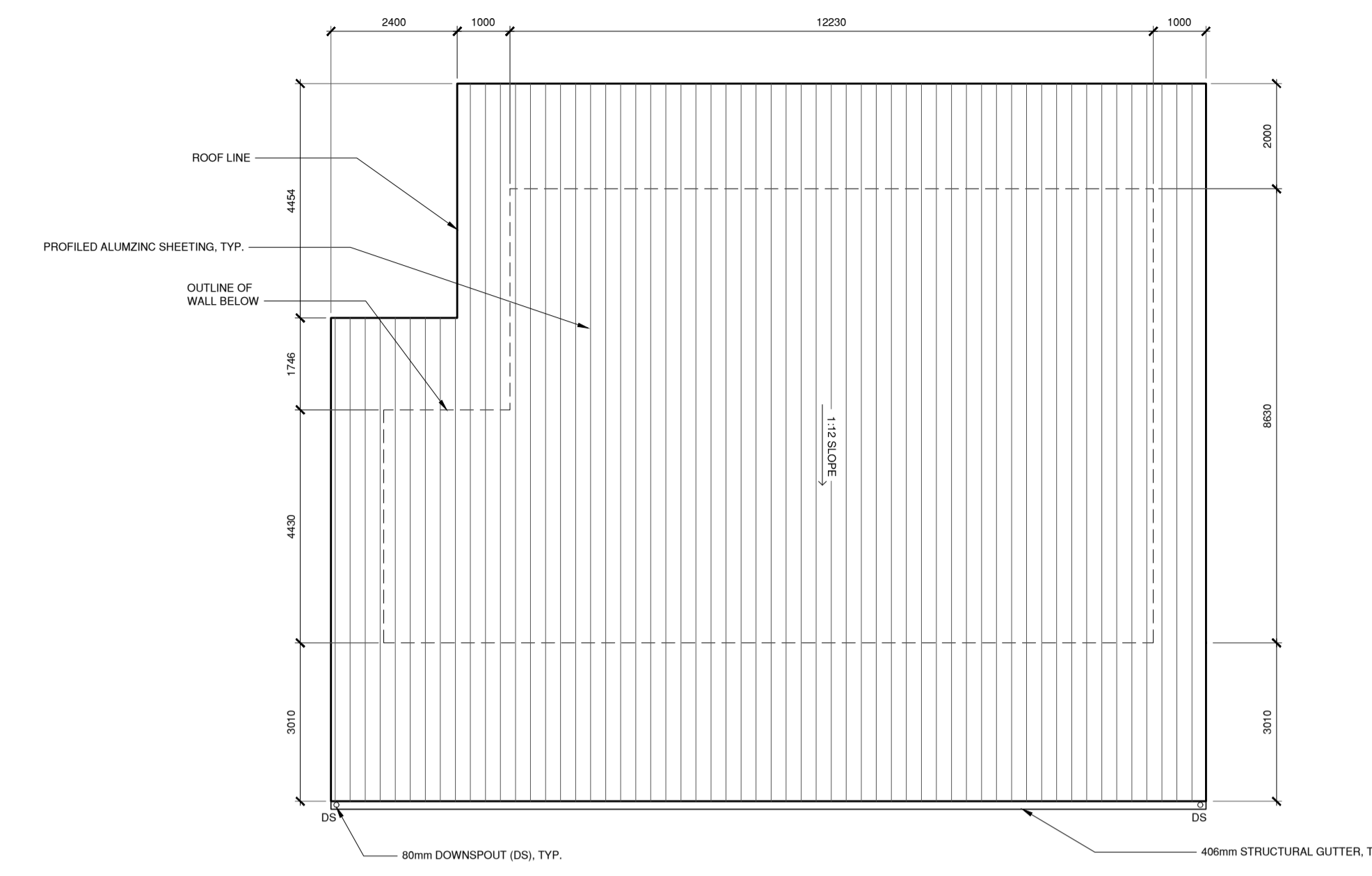
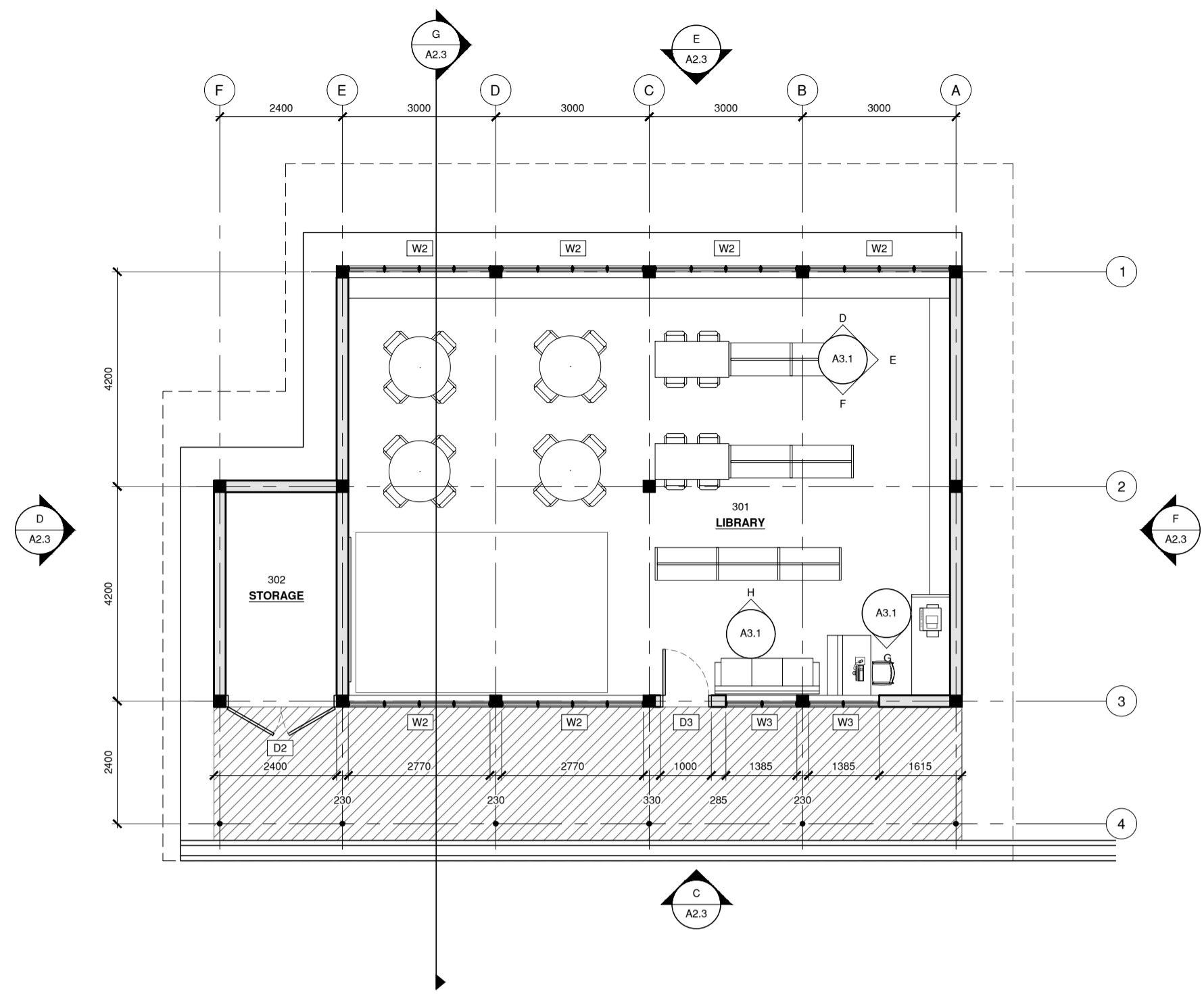
THE AMAZIMA PRIMARY SCHOOL
PHASE 1

ADMINISTRATION BUILDING: FLOOR & ROOF PLANS, ELEVATIONS, SECTION

PROJECT: **UG-0202** SHEET NUMBER **A2.2**
 DATE ISSUED: **DEC 2018**

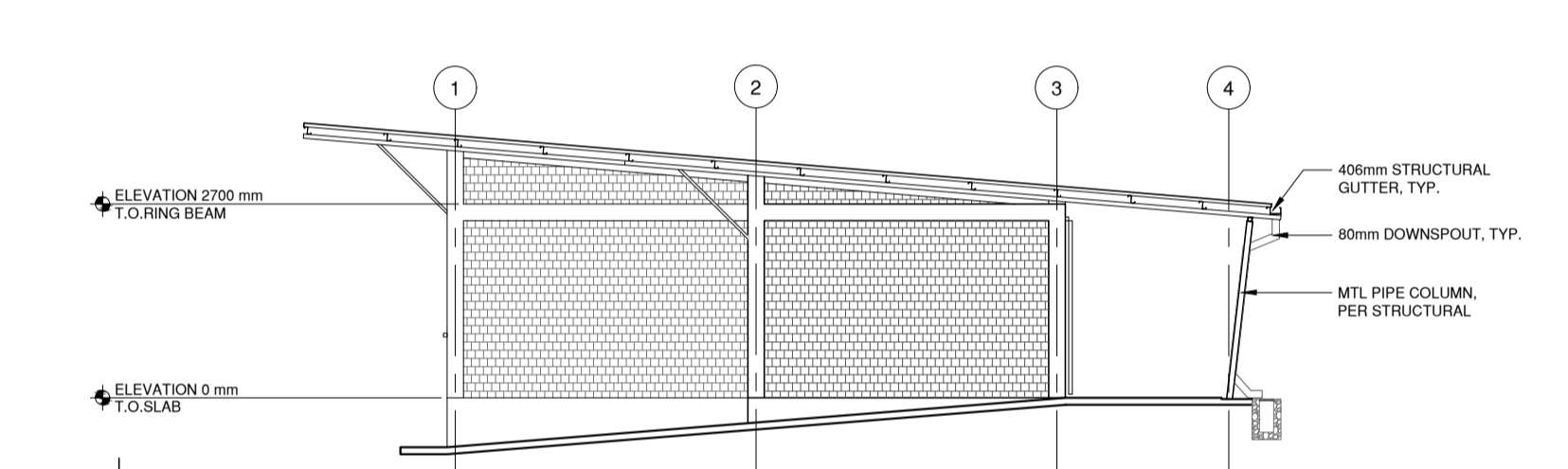
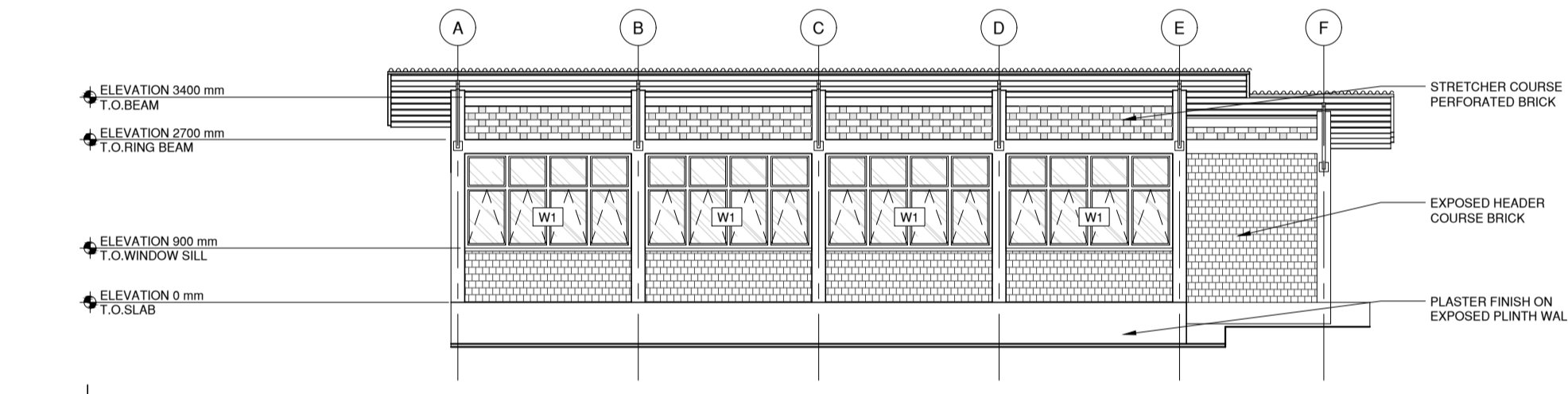
GENERAL NOTES:

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- ROOF EXTENTS
- DT1 DOORROOM TAG - SEE SCHEDULE ON A3.1
- DS DOWNSPOUT 80mm Ø
- 450x450x60 CEMENT PAVERS
- STONE PAVING



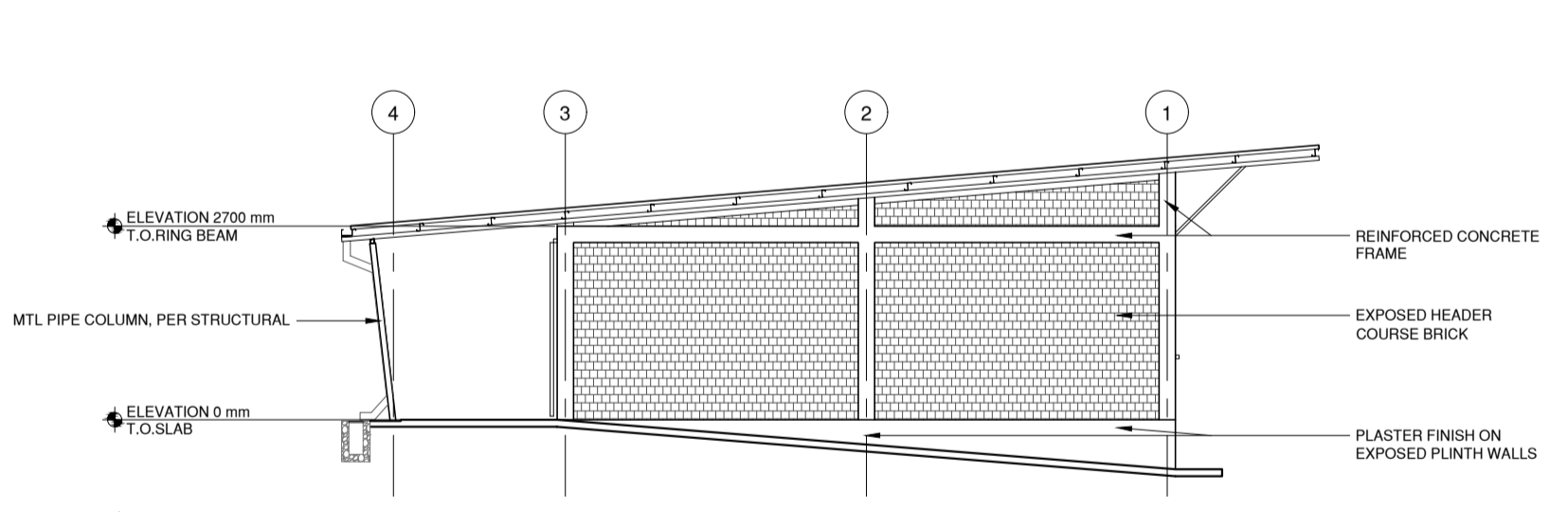
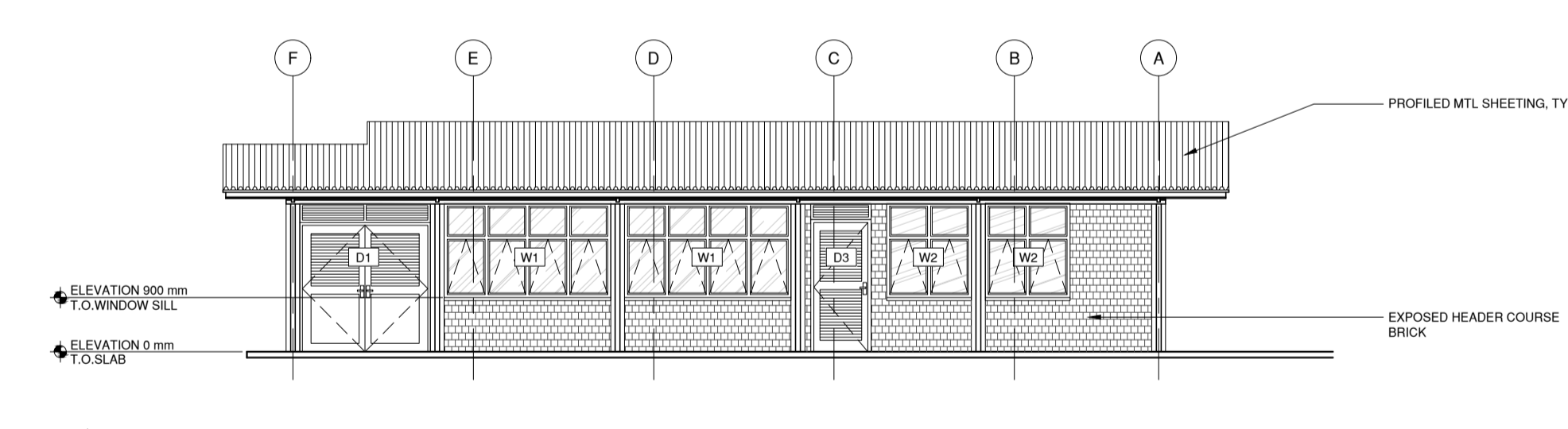
A FLOOR PLAN
 A2.3 1:100

B ROOF PLAN
 A2.3 1:100



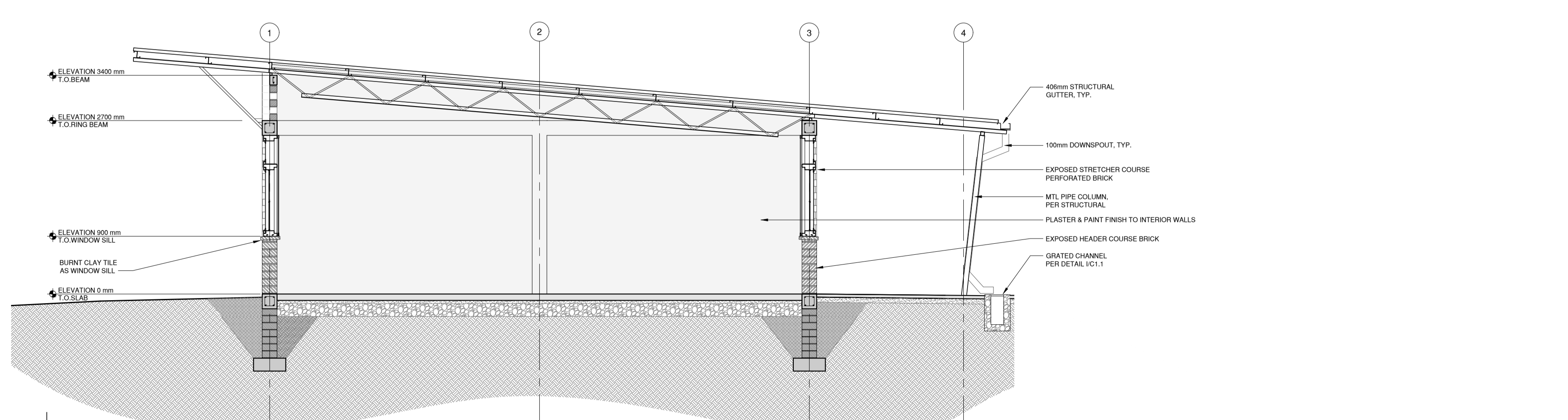
C NORTH ELEVATION
 A2.3 1:100

D WEST ELEVATION
 A2.3 1:100



E SOUTH ELEVATION
 A2.3 1:100

F EAST ELEVATION
 A2.3 1:100



G BUILDING SECTION
 A2.3 1:50

REV.	DATE	DESCRIPTION

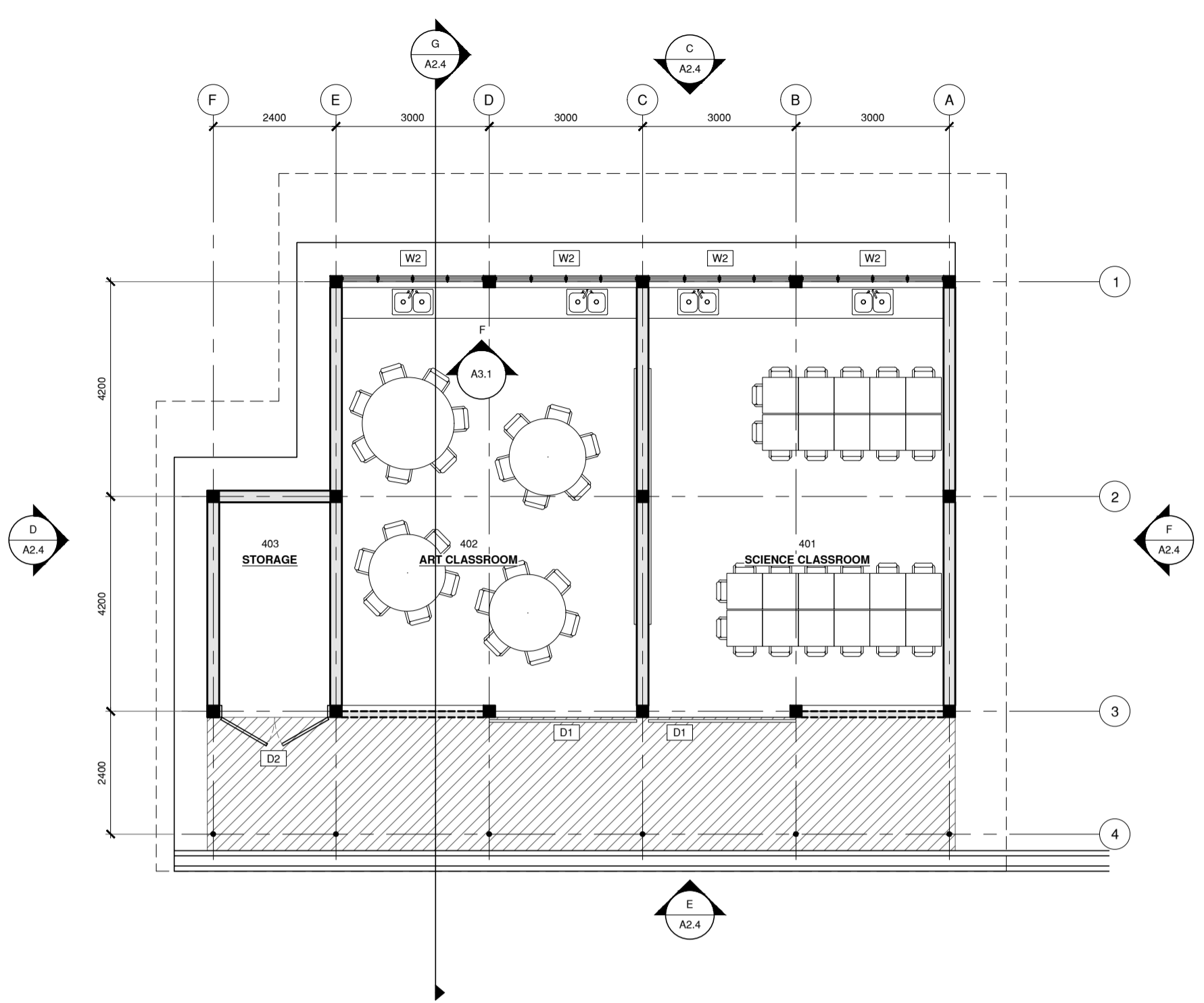
THE AMAZIMA PRIMARY SCHOOL
PHASE 1

LIBRARY: FLOOR & ROOF PLANS, ELEVATIONS, SECTION

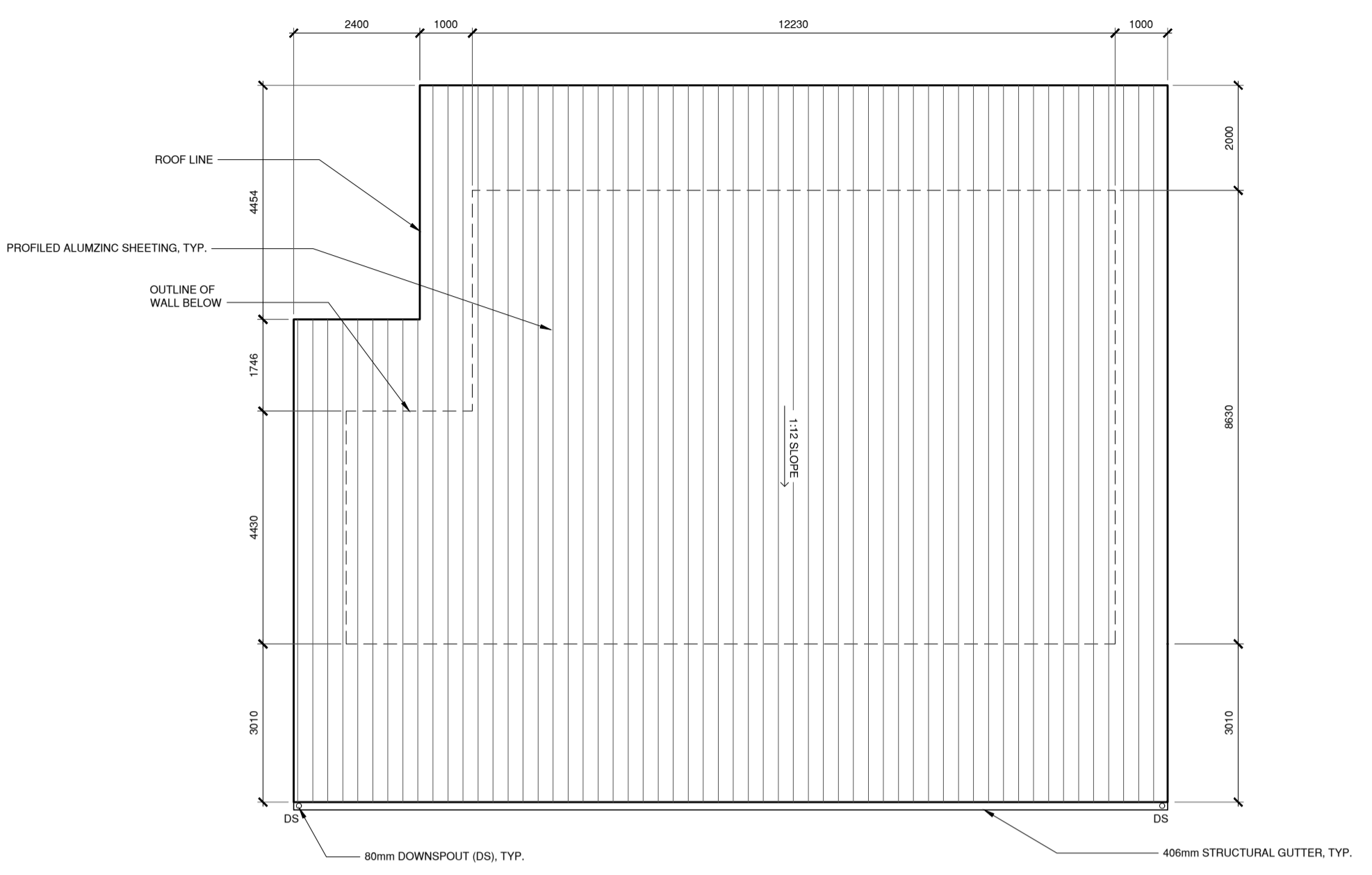
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DATE ISSUED: DEC 2018	

Revised: F.S. 1, Jan 2019 - 1:50 PM
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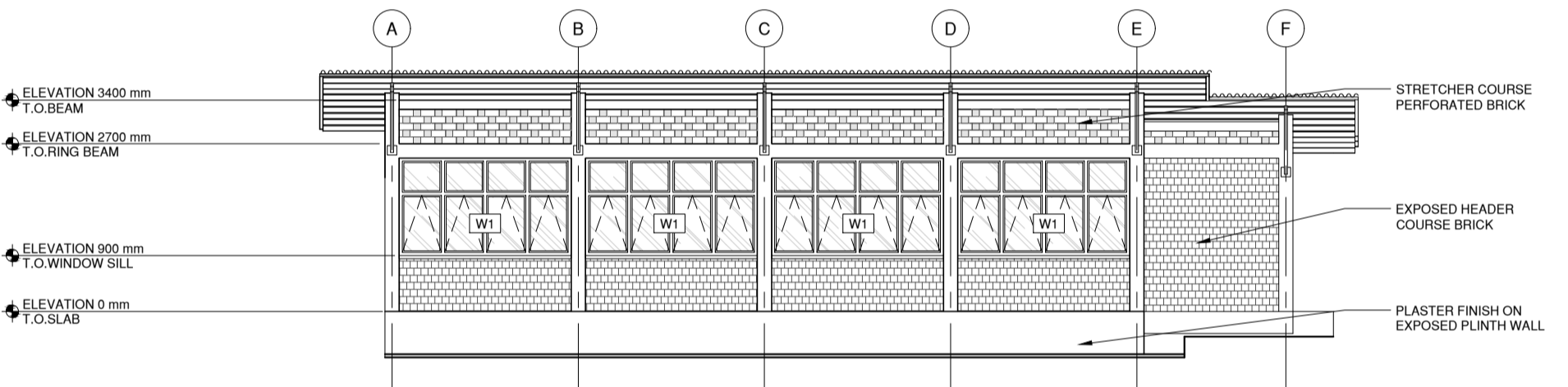
- GENERAL NOTES:**
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 - SCREENS TO BE INSTALLED ON INSIDE FACE OF PERFORATED BRICK (ABOVE RING BEAM TO U/S OF ROOF)
 - SCREEN CONTROL JOINT LAYOUT TO BE PER ARCH SPEC. SUBMIT FOR PC'S DETAILS, CONTROL JOINTS IN
 - METAL POST
 - REINFORCED CONCRETE COLUMN SEE STRUCTURAL DRAWINGS
 - 200mm THICK HEADER COURSE BRICK WALL TO UNDERSIDE OF ROOF STRUCTURE UON.
 - 115mm THICK STRETCHER COURSE PERFORATED BRICK OVER HEADER COURSE BRICK WALL TO UNDERSIDE OF ROOF STRUCTURE UON. SEE K/S3.0
 - ROOF EXTENTS
 - DOORROOM TAG - SEE SCHEDULE ON A3.1
 - DS DOWNSPOUT 80mm Ø
 - 450x450x60 CEMENT PAVERS
 - STONE PAVING



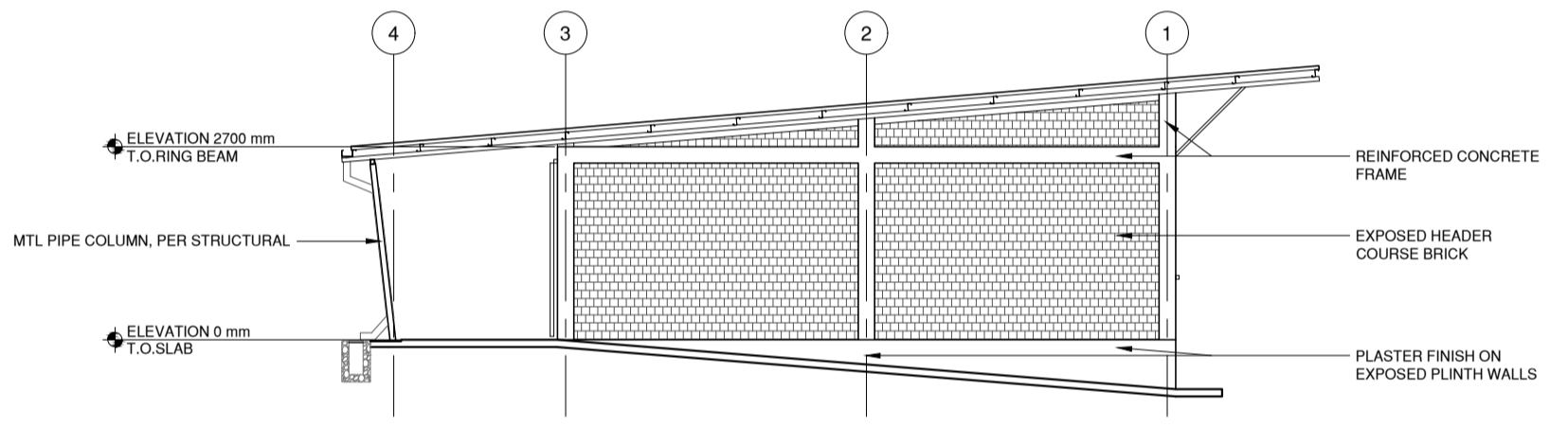
A FLOOR PLAN
A2.4 1:100



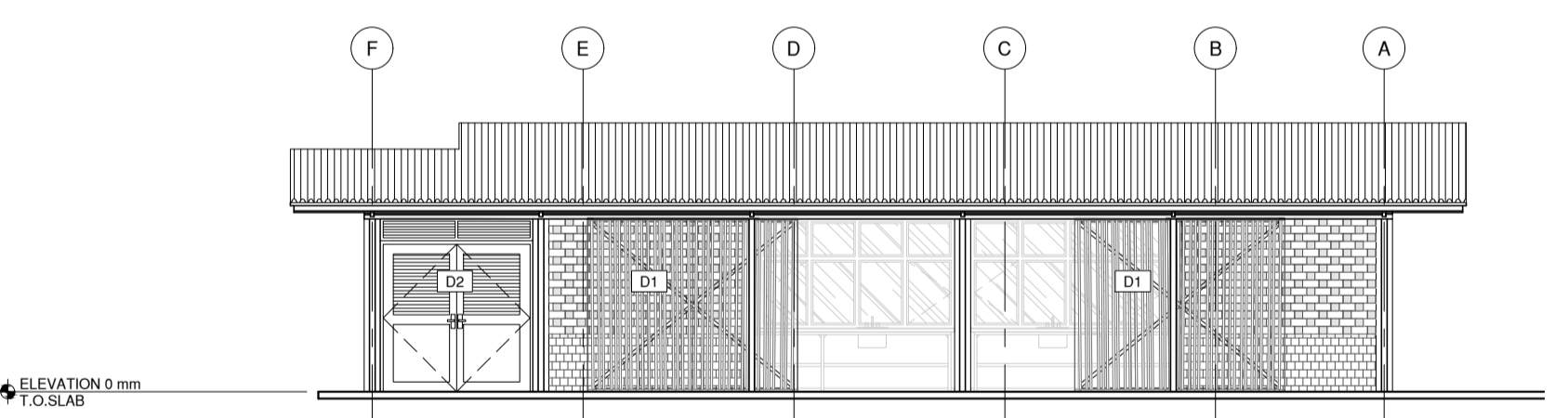
B ROOF PLAN
A2.4 1:100



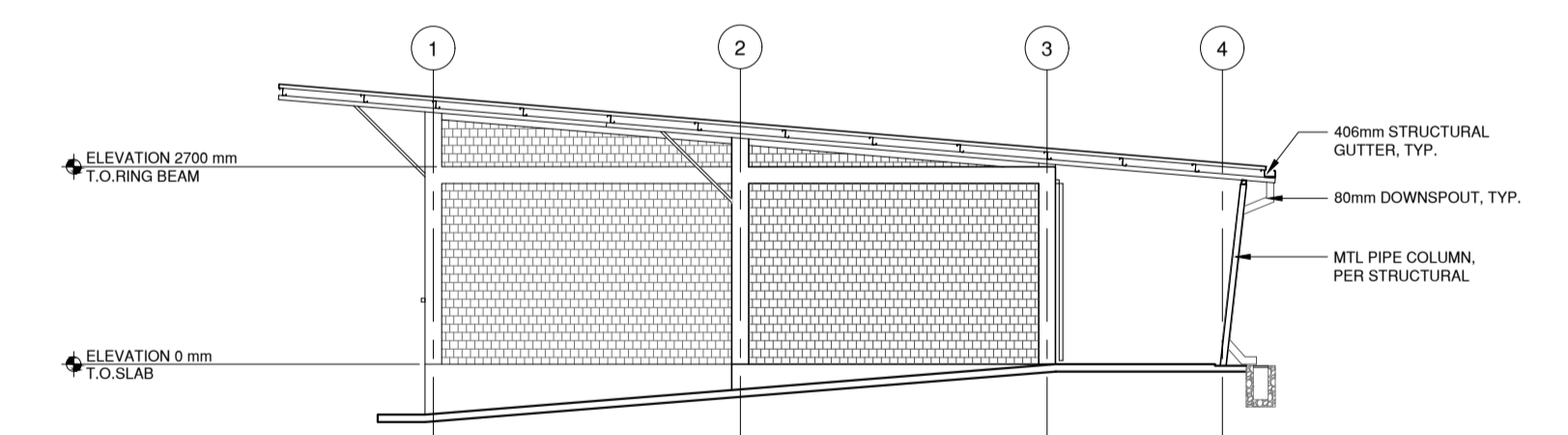
C NORTH ELEVATION
A2.4 1:100



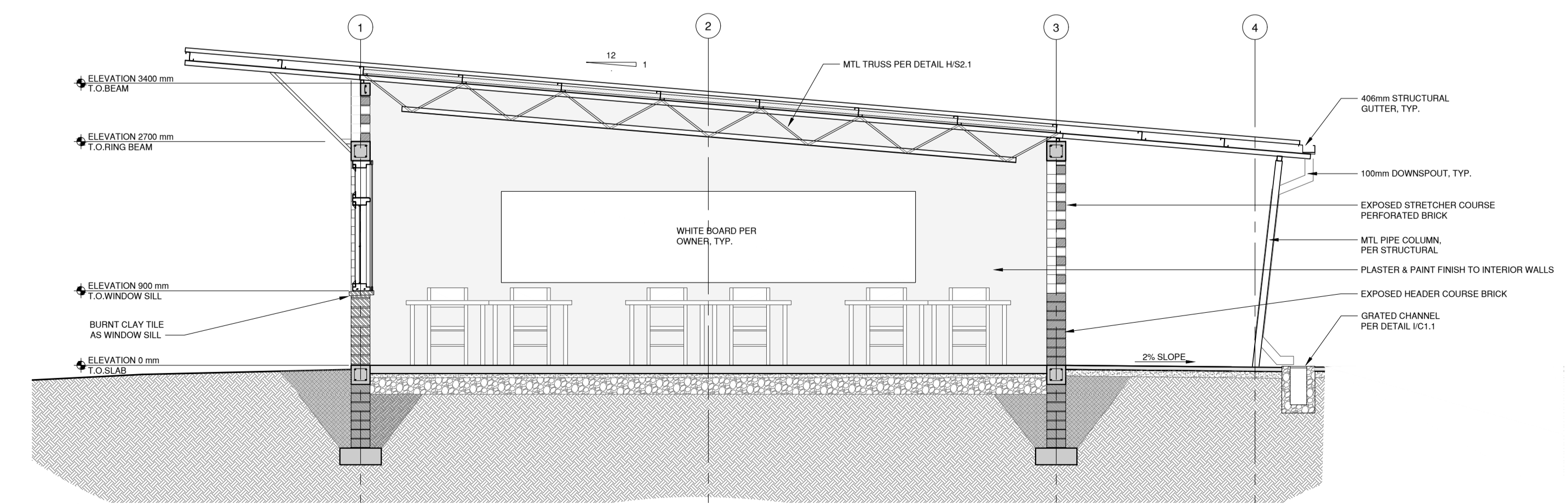
D WEST ELEVATION
A2.4 1:100



E SOUTH ELEVATION
A2.4 1:100



F EAST ELEVATION
A2.4 1:100



G BUILDING SECTION
A2.4 1:50

REV.	DATE	DESCRIPTION

THE AMAZIMA PRIMARY SCHOOL
PHASE 1

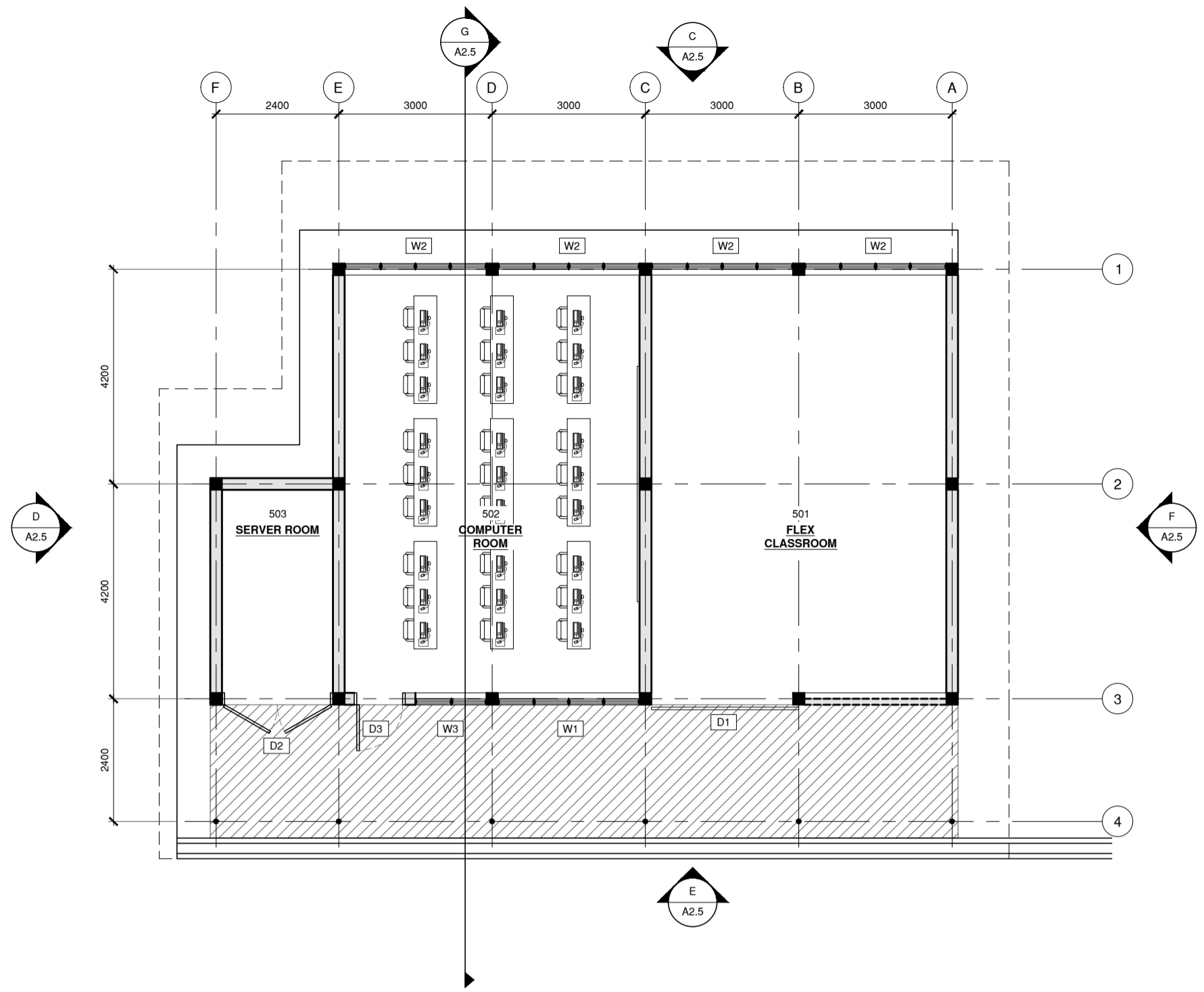
ART & SCIENCE CLASSROOM BLOCK:
 FLOOR & ROOF PLANS, ELEVATIONS,
 SECTION

ALL DIMENSIONS IN MM UNLESS OTHERWISE NOTED

Plot No. F-21, Dec-2018, 4:15 PM
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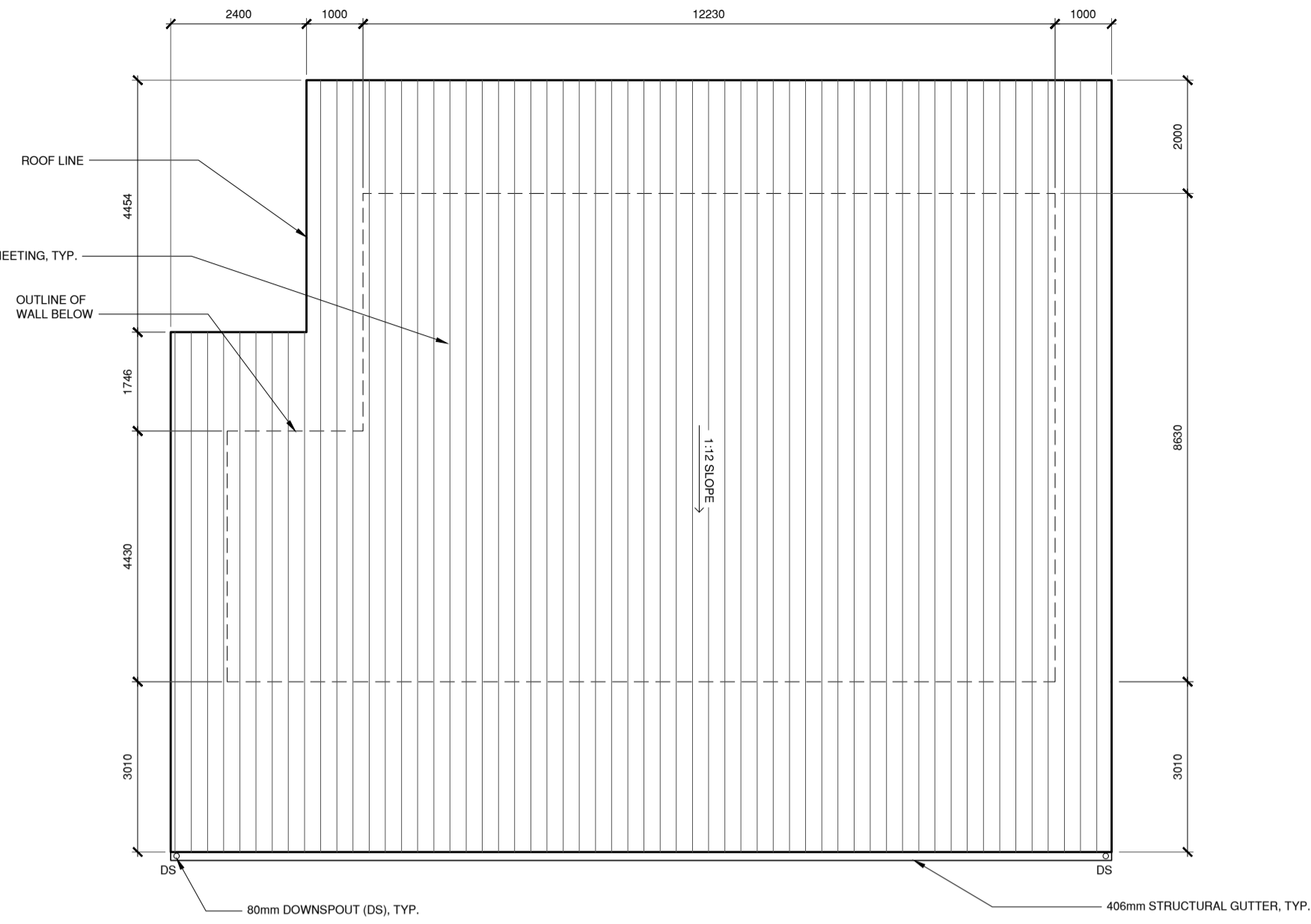
GENERAL NOTES:

- GROUND FLOOR T.O. SLAB NOTED AS 0000mm
- DOOR FRAMES TO BE PLACED 150mm FROM FACE OF ADJACENT PERPENDICULAR WALL UCN
- TYPICAL WALL DIMENSIONS ARE TO FACE OF MASONRY UCN
- ALL EXPOSED BEAM AND COLUMN FACES TO RECEIVE PLASTER FINISH
- SCREENS TO BE INSTALLED ON INSIDE FACE OF PERFORATED BRICK (ABOVE RING BEAM TO U/S OF ROOF)
- SCREED CONTROL JOINT LAYOUT TO BE PER ARCH SPEC. SUBMIT PER FOR DETAILS, CONTROL JOINTS IN:
 - METAL POST
 - REINFORCED CONCRETE COLUMN SEE STRUCTURAL DRAWINGS
 - 200mm THICK HEADER COURSE BRICK WALL TO UNDERSIDE OF ROOF STRUCTURE UCN
 - 115mm THICK STRETCHER COURSE PERFORATED BRICK OVER HEADER COURSE BRICK WALL TO UNDERSIDE OF ROOF STRUCTURE UCN. SEE K/S/0
- ROOF EXTENTS
- DOOR ROOM TAG - SEE SCHEDULE ON A3.1
- DS DOWNSPOUT 80mm Ø
- 450x450x60 CEMENT PAVERS
- STONE PAVING



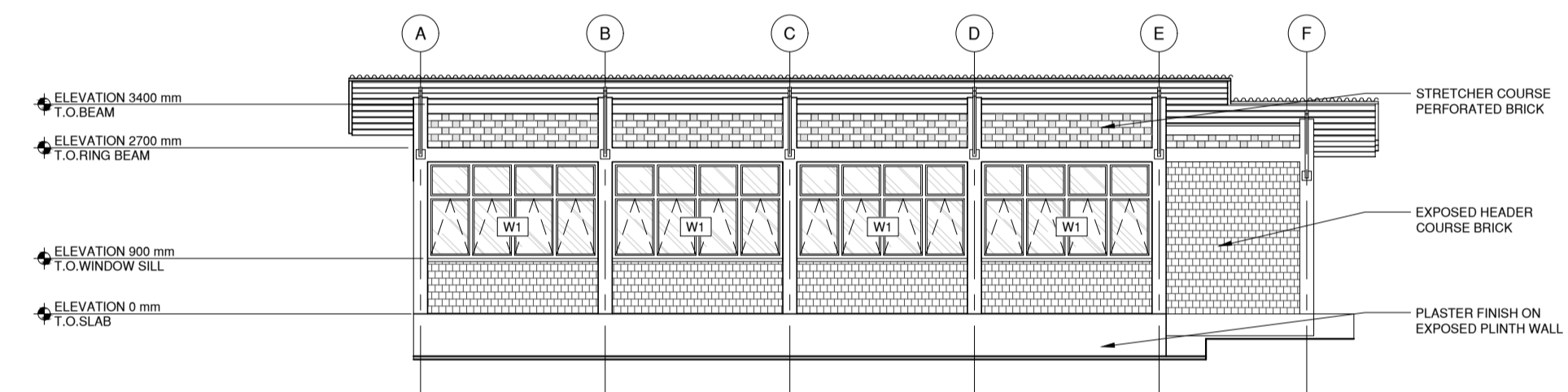
A FLOOR PLAN

A2.5 1:100



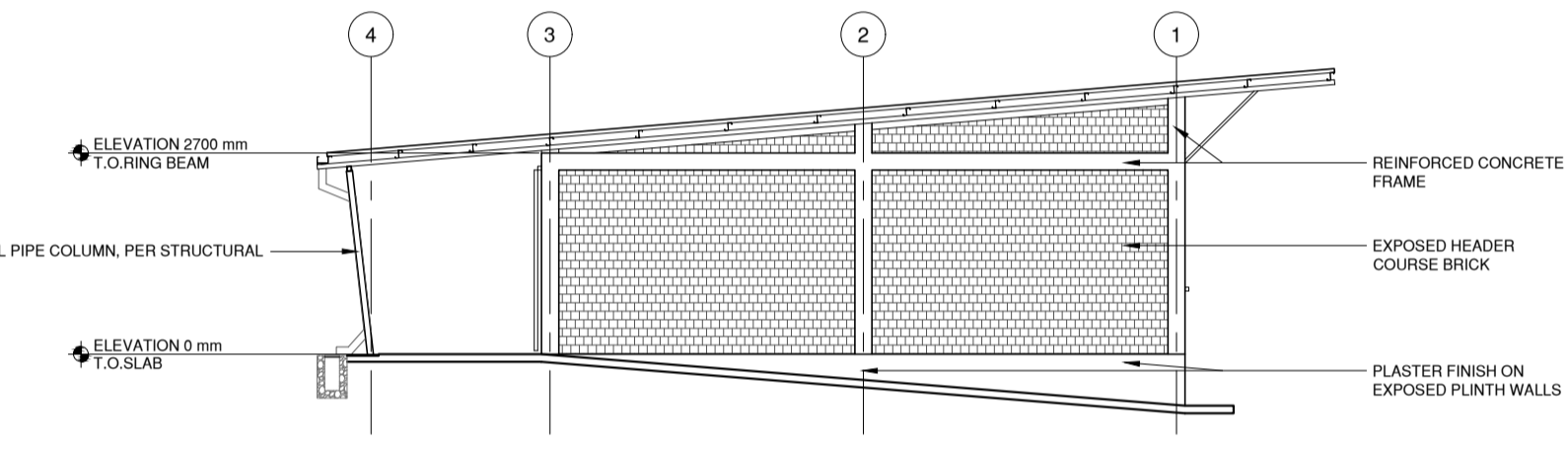
B ROOF PLAN

A2.5 1:100



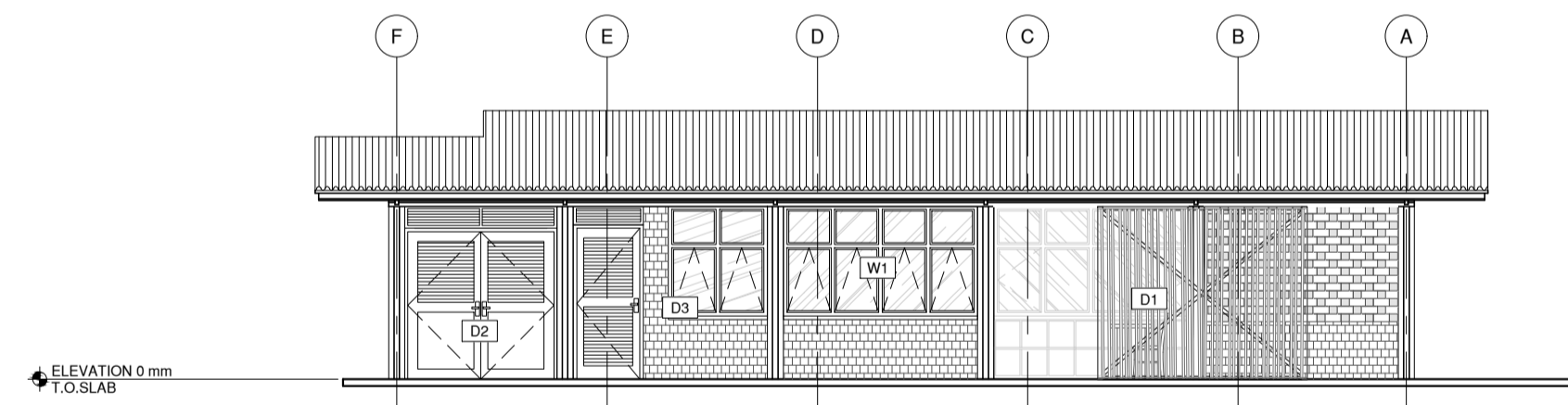
C NORTH ELEVATION

A2.5 1:100



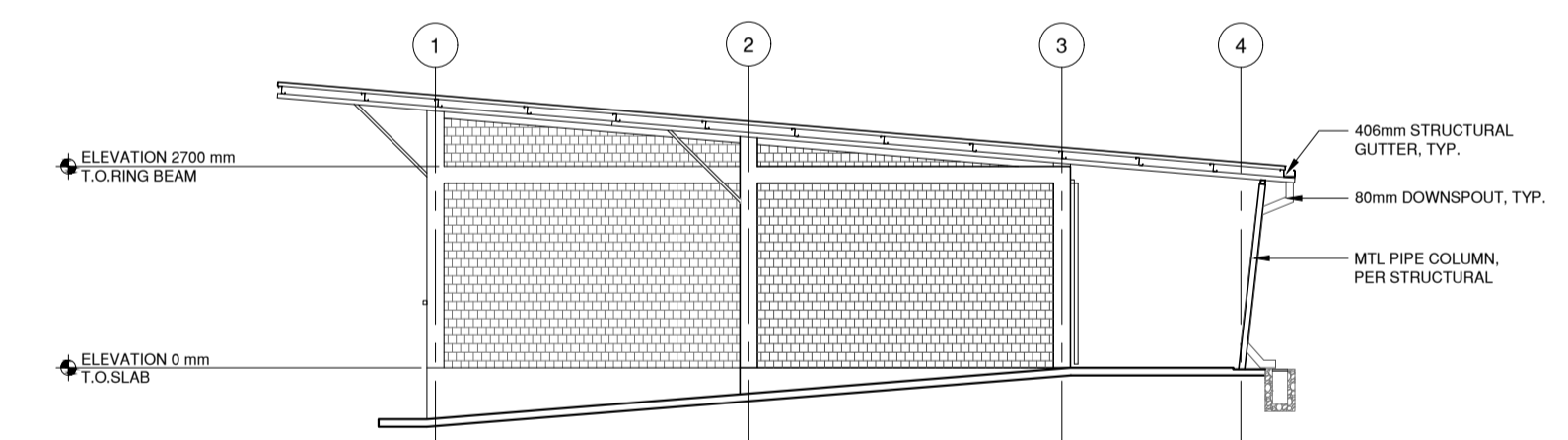
D WEST ELEVATION

A2.5 1:100



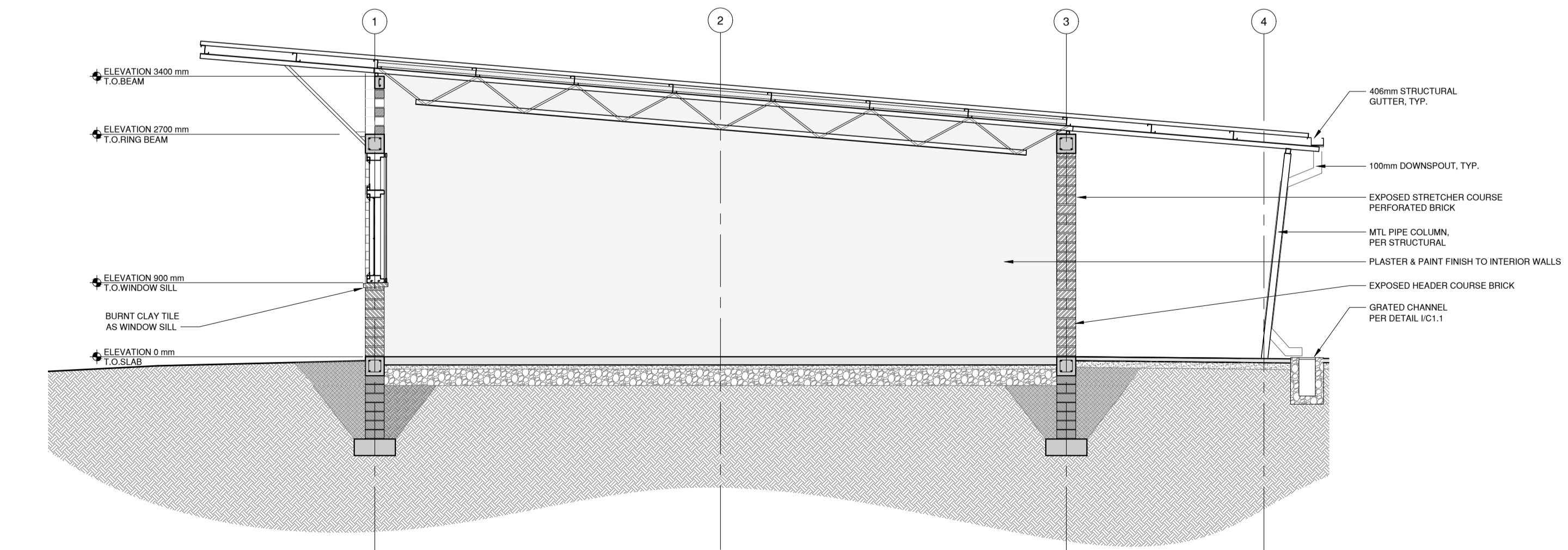
E SOUTH ELEVATION

A2.5 1:100



F EAST ELEVATION

A2.5 1:100



G BUILDING SECTION

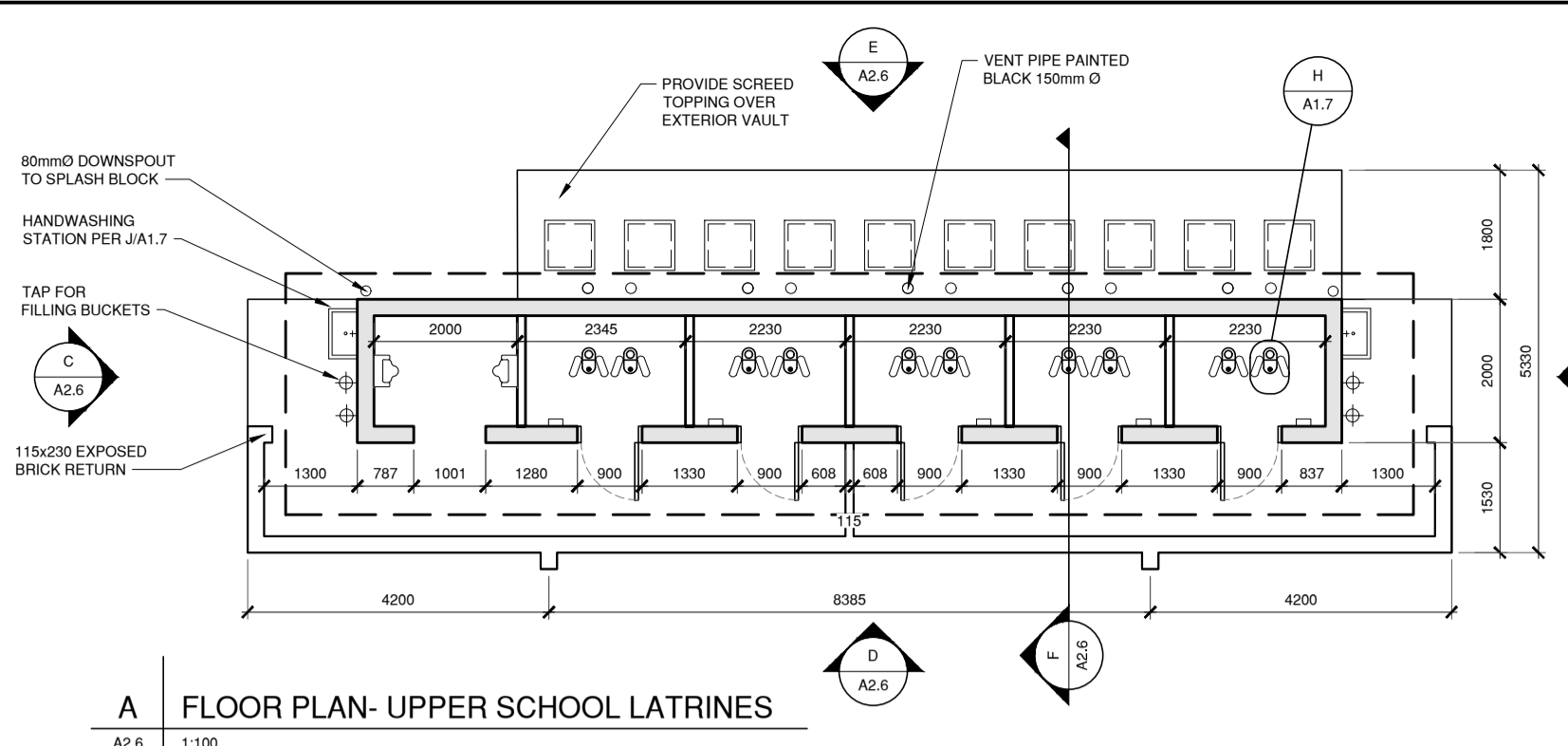
A2.5 1:50

REV.	DATE	DESCRIPTION
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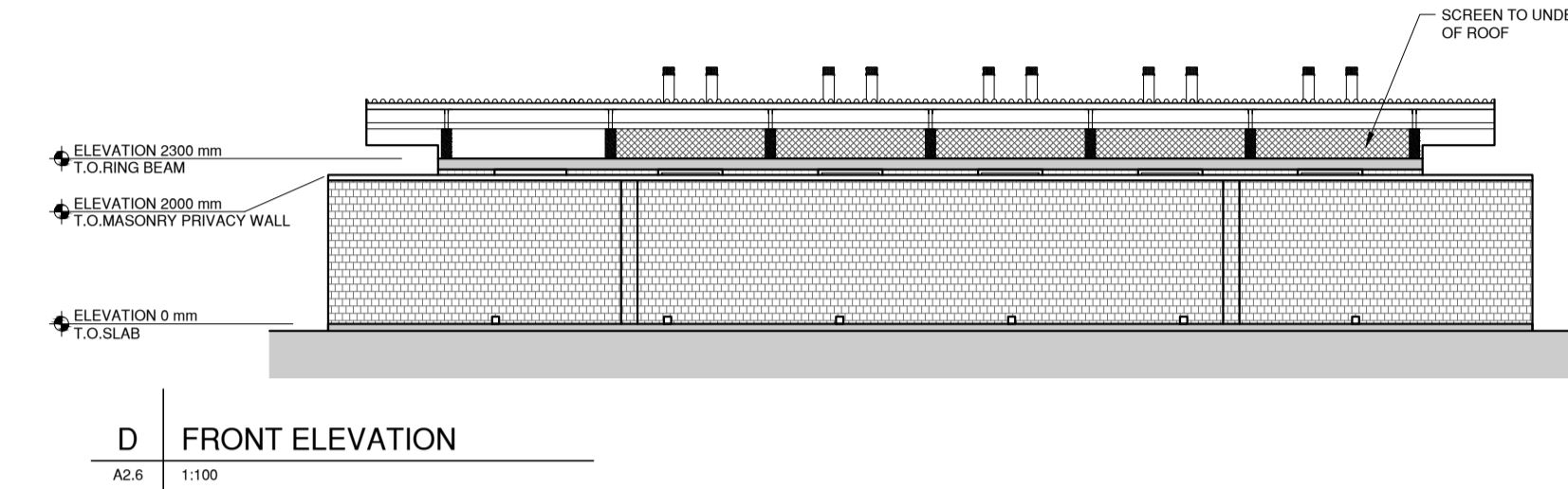
THE AMAZIMA PRIMARY SCHOOL
PHASE 1

COMPUTER ROOM & FLEXIBLE CLASSROOM BLOCK: FLOOR & ROOF PLANS, ELEVATIONS, SECTION

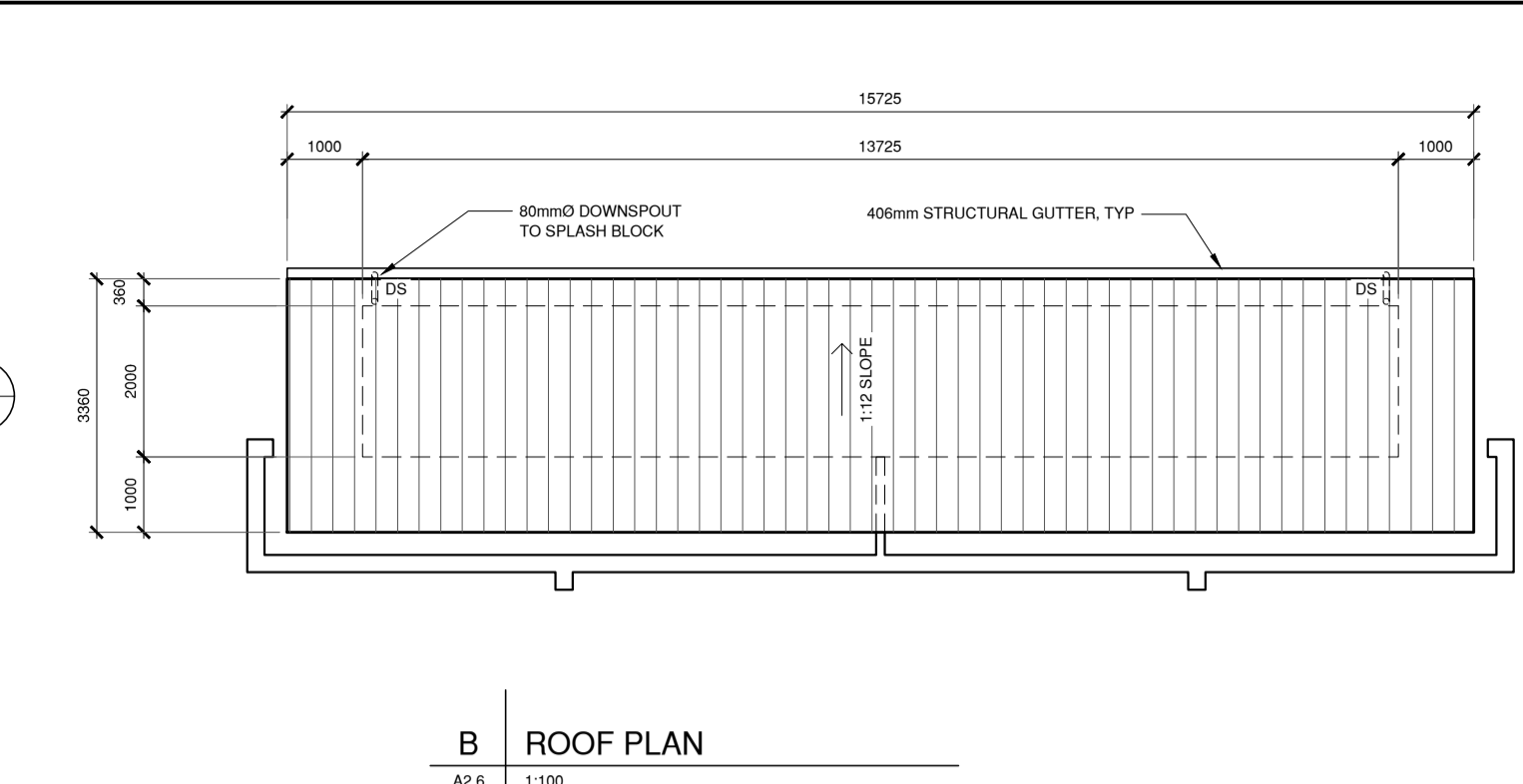
PROJECT: UG-0202	SHEET NUMBER A2.5
DATE ISSUED: DEC 2018	



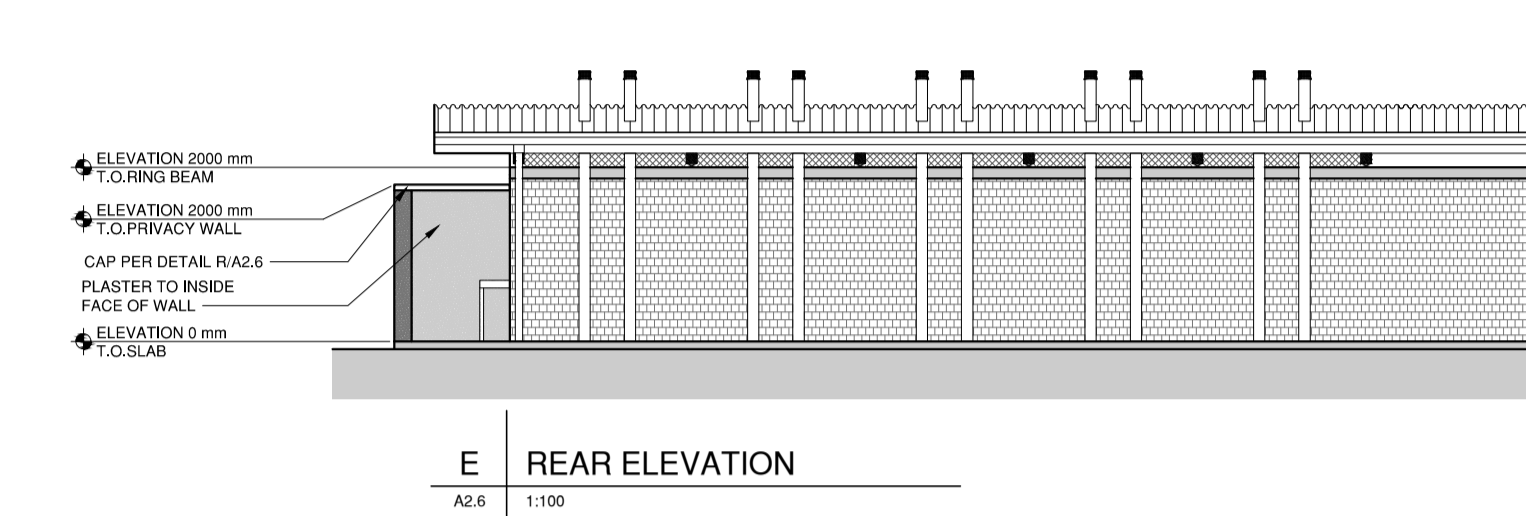
A FLOOR PLAN- UPPER SCHOOL LATRINES
 A2.6 1:100



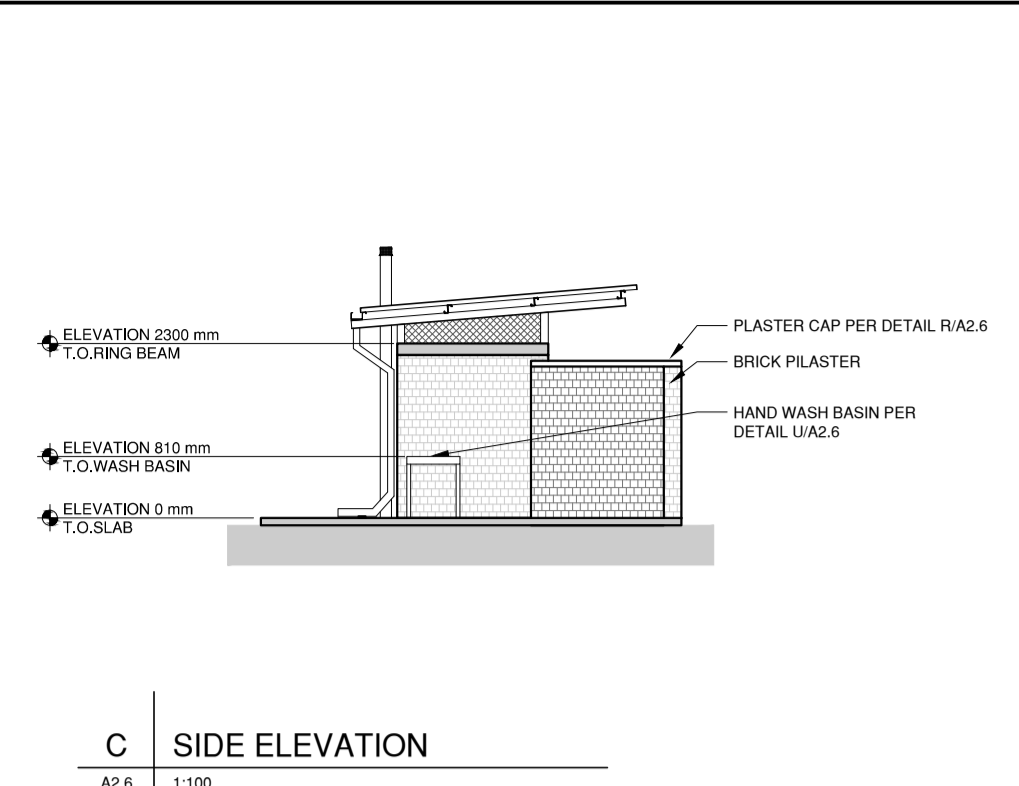
D FRONT ELEVATION
 A2.6 1:100



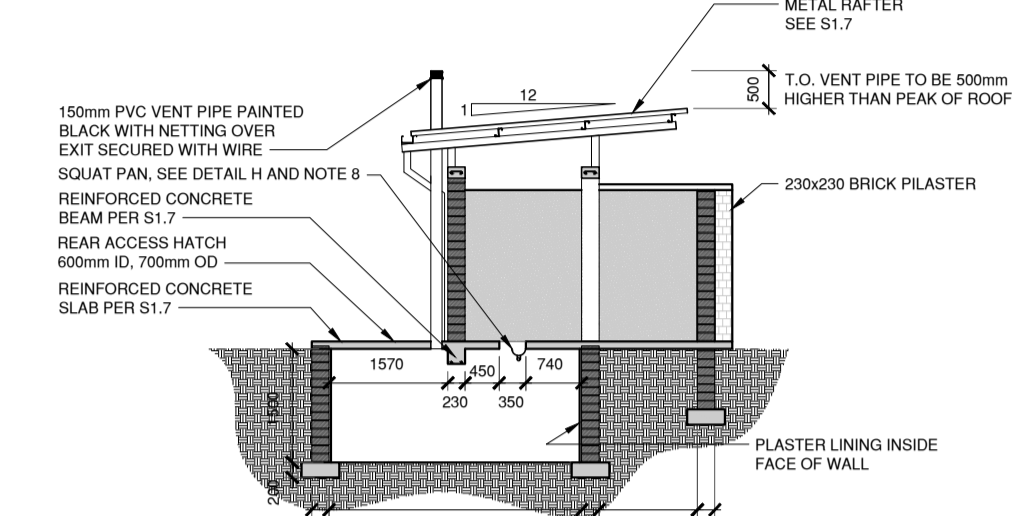
B ROOF PLAN
 A2.6 1:100



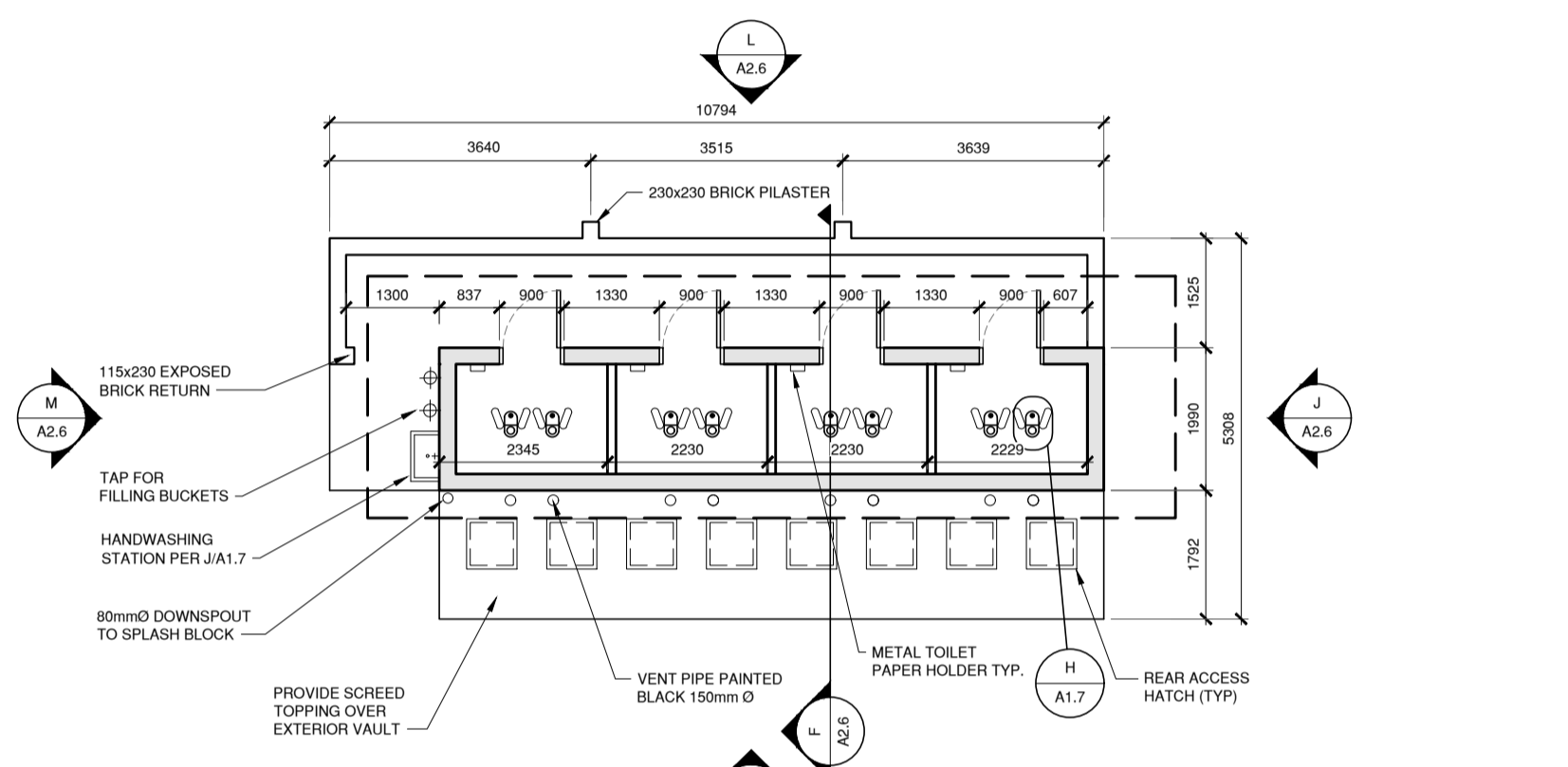
E REAR ELEVATION
 A2.6 1:100



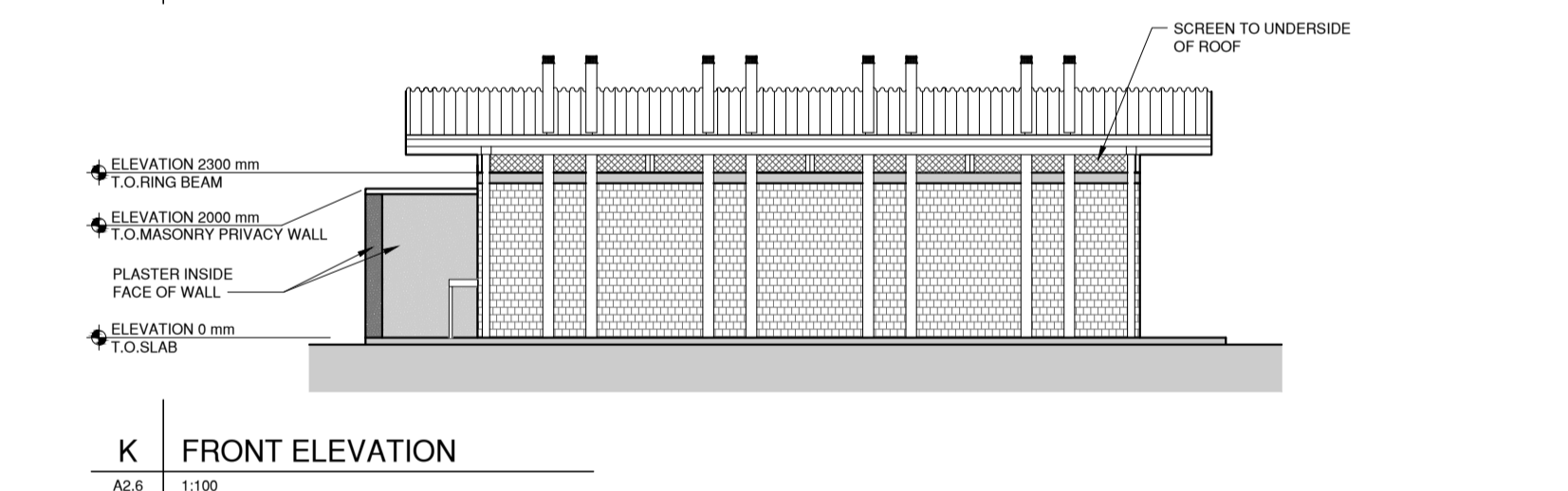
C SIDE ELEVATION
 A2.6 1:100



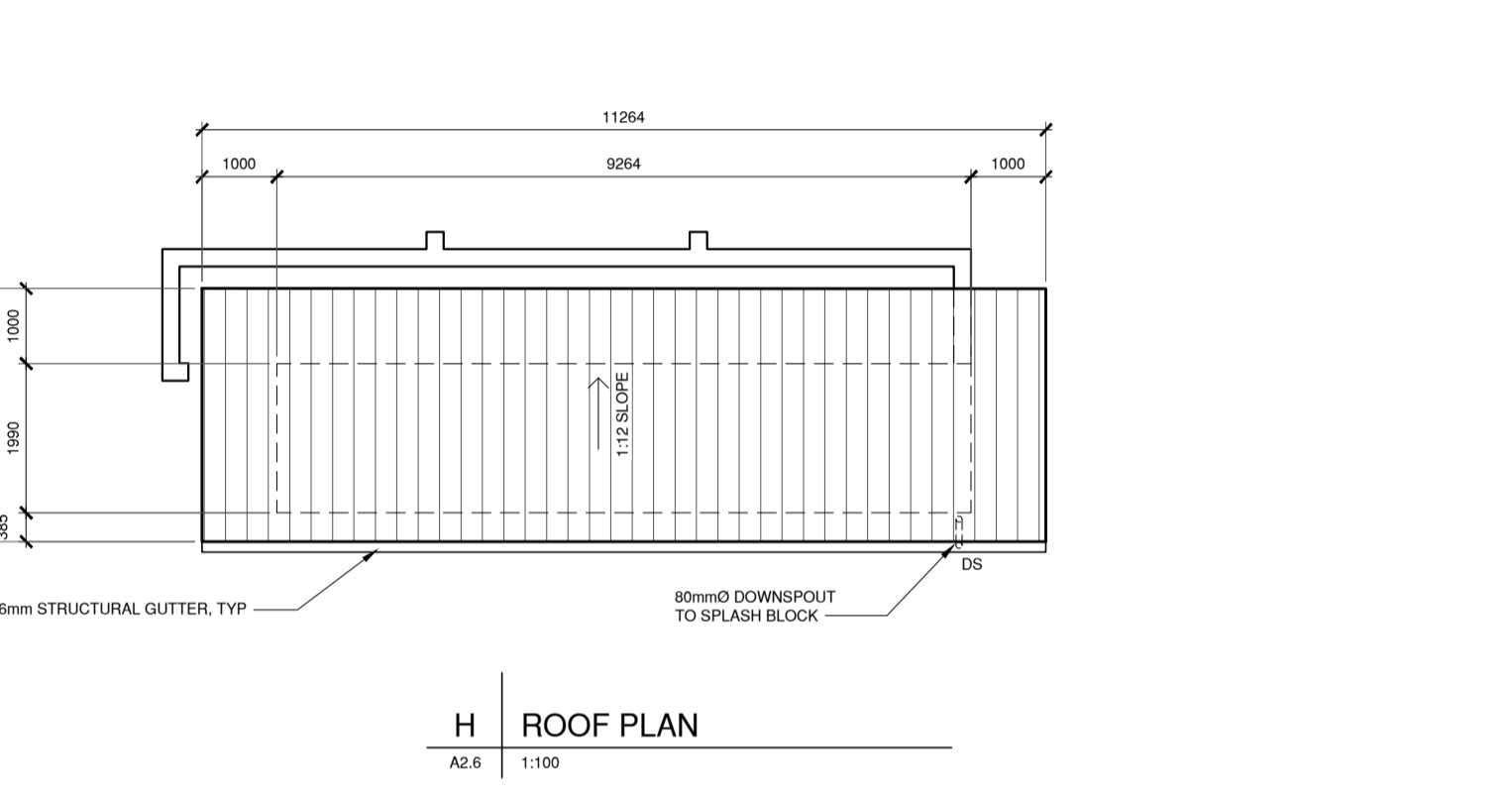
F TYPICAL LATRINE SECTION
 A2.6 1:100



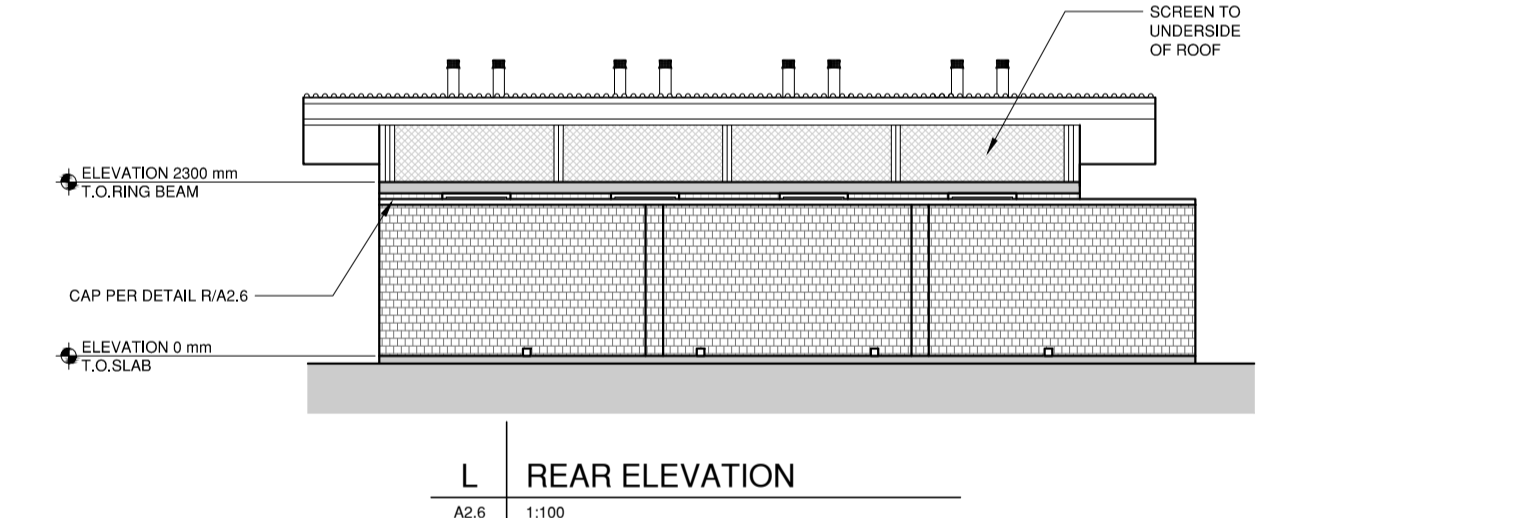
G FLOOR PLAN- GIRLS LATRINE
 A2.6 1:100



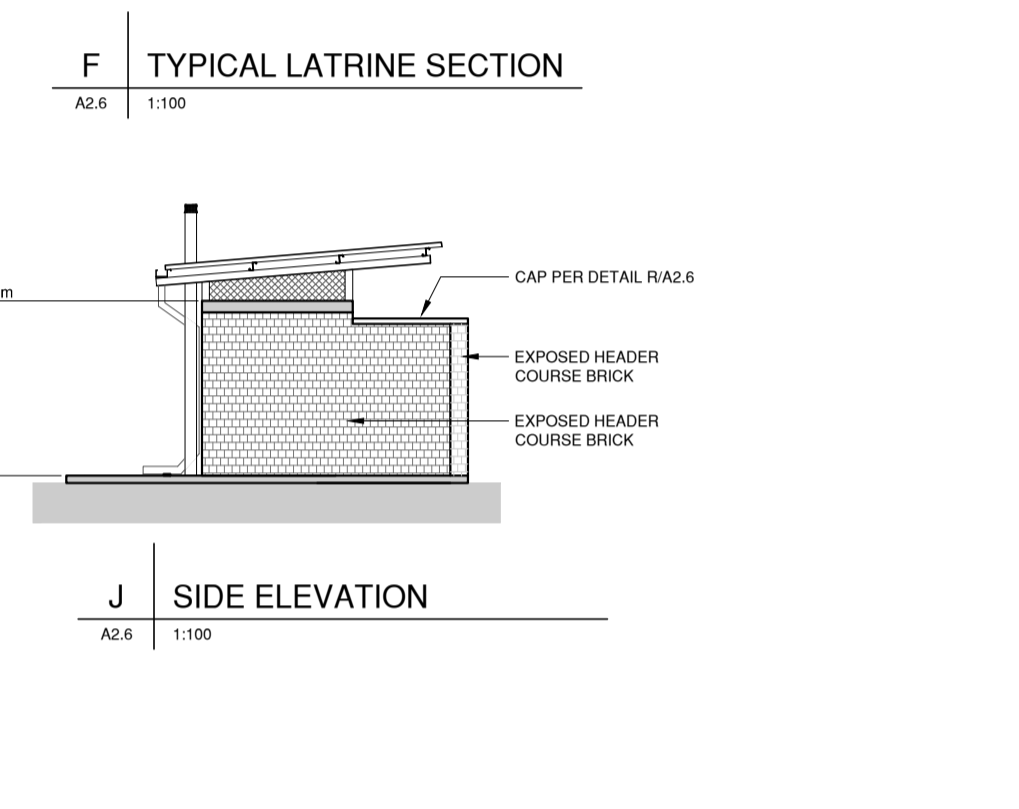
K FRONT ELEVATION
 A2.6 1:100



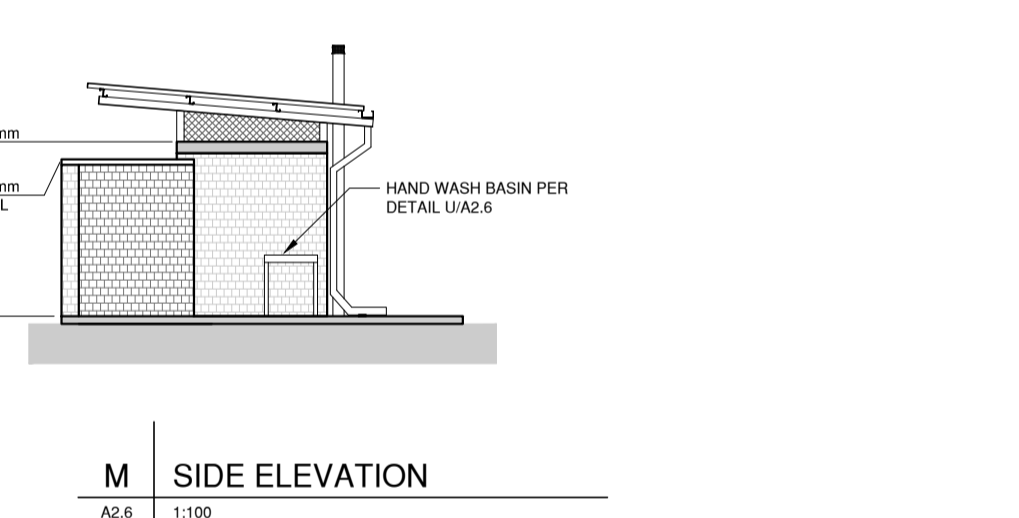
H ROOF PLAN
 A2.6 1:100



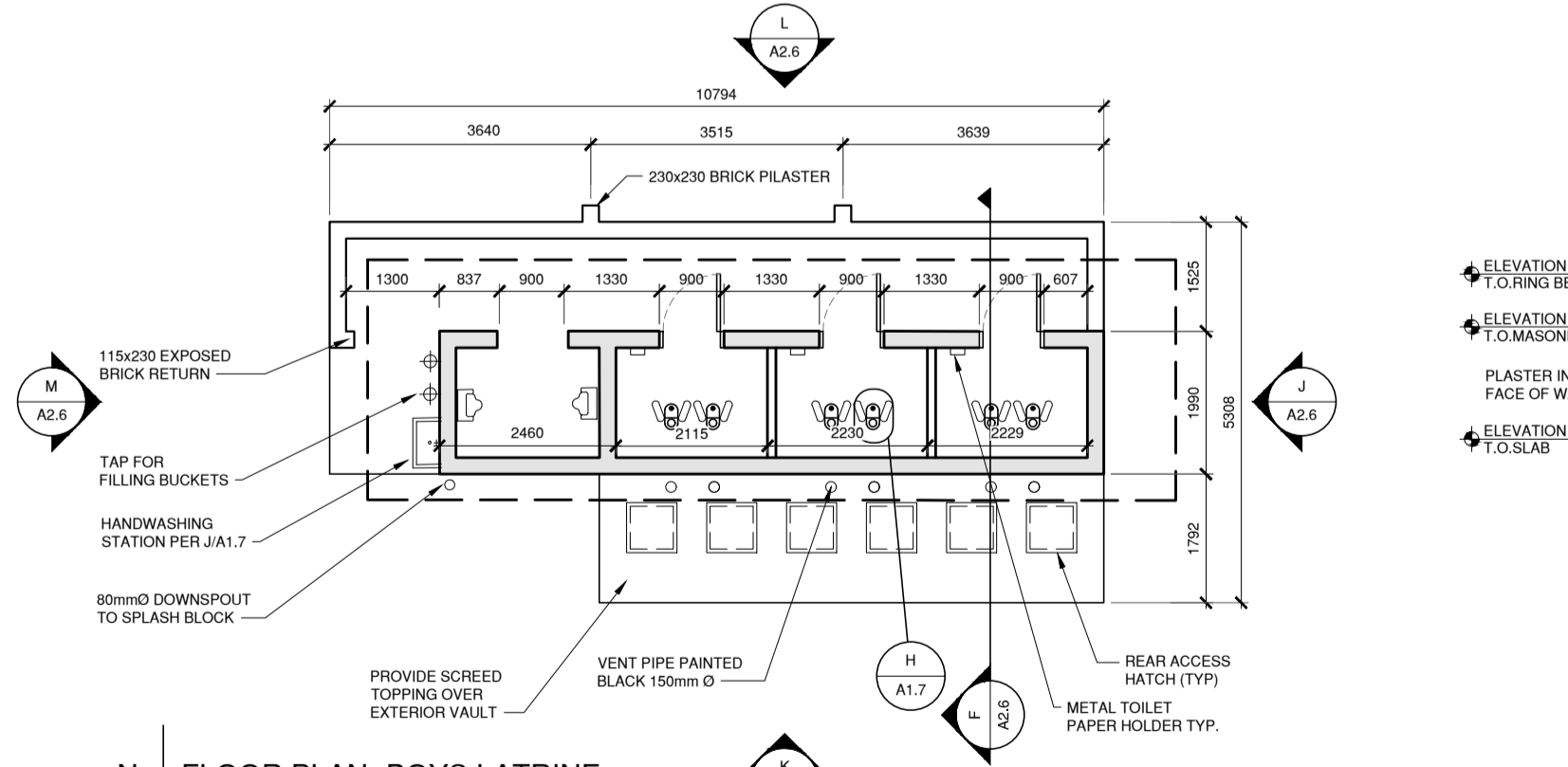
L REAR ELEVATION
 A2.6 1:100



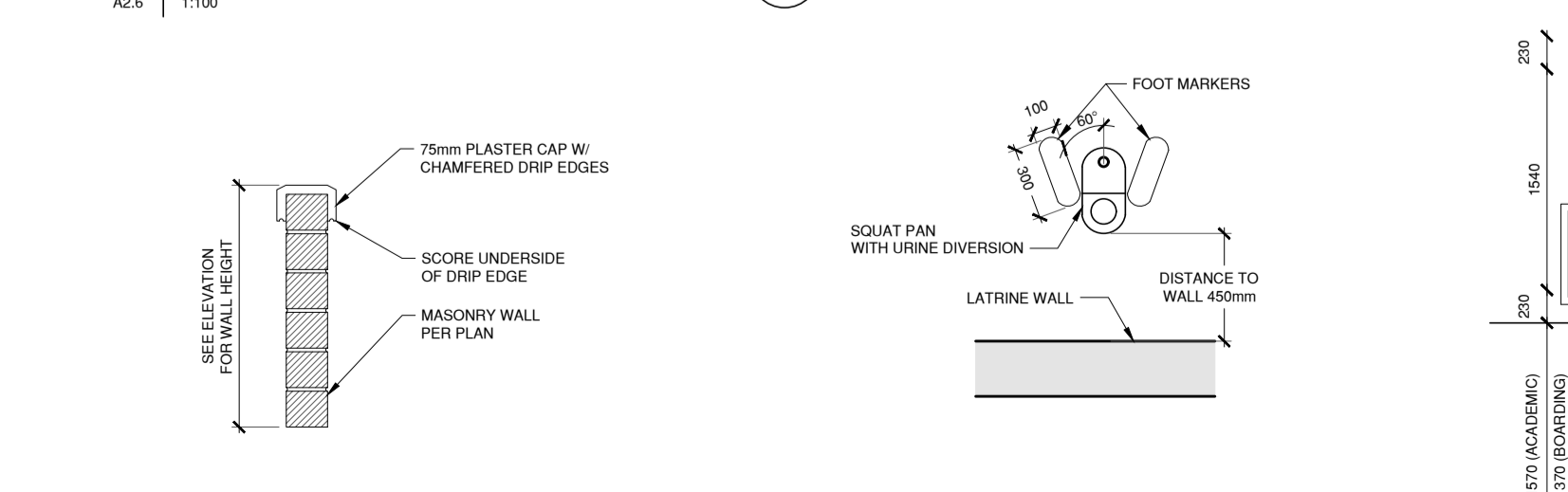
J SIDE ELEVATION
 A2.6 1:100



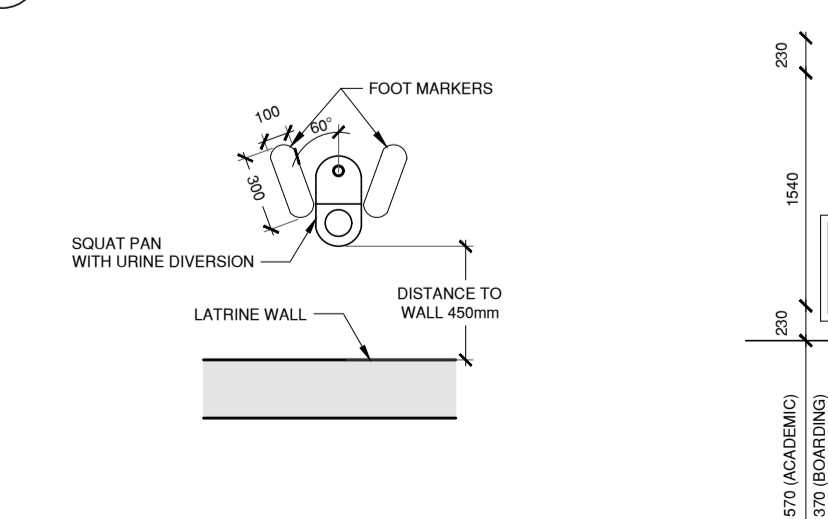
M SIDE ELEVATION
 A2.6 1:100



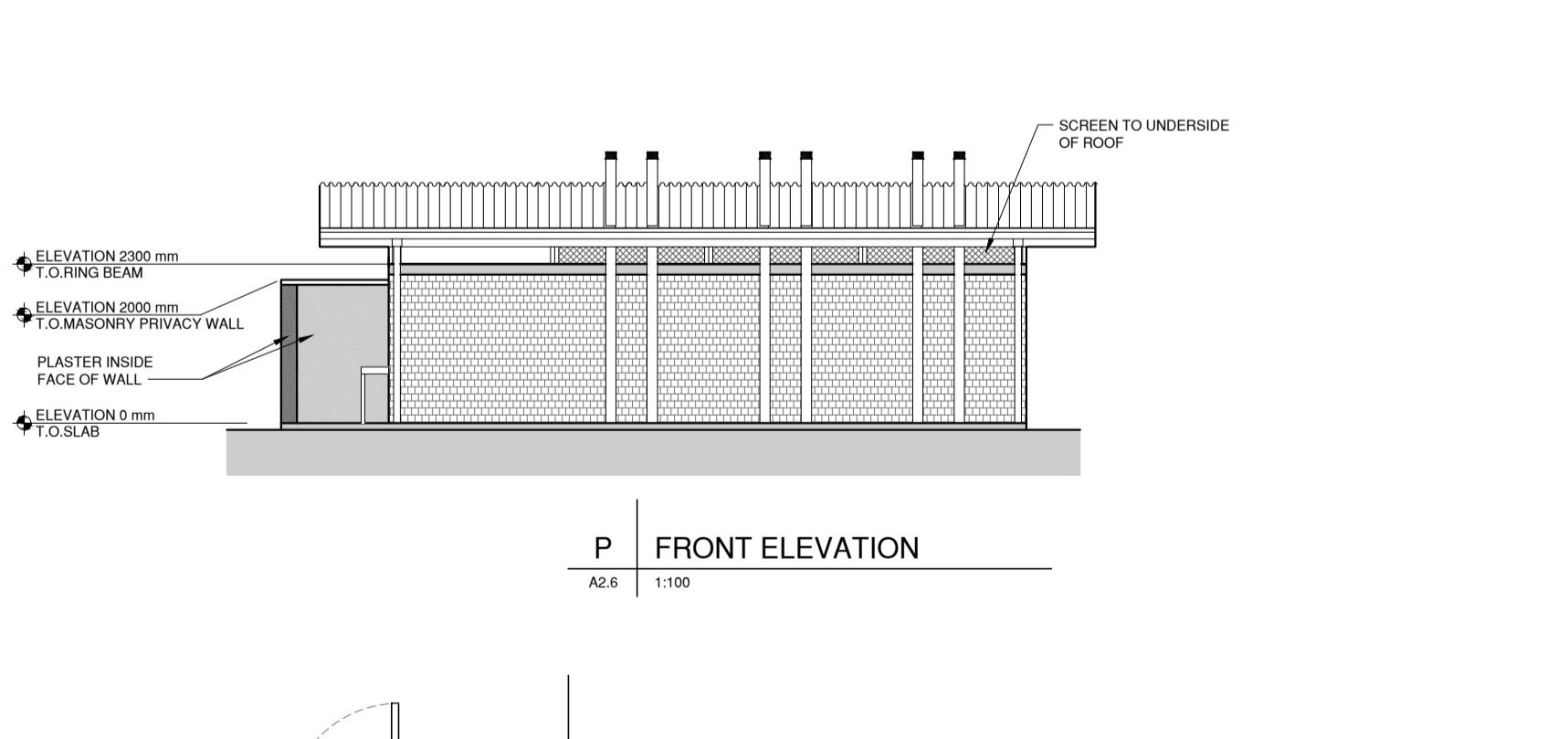
N FLOOR PLAN- BOYS LATRINE
 A2.6 1:100



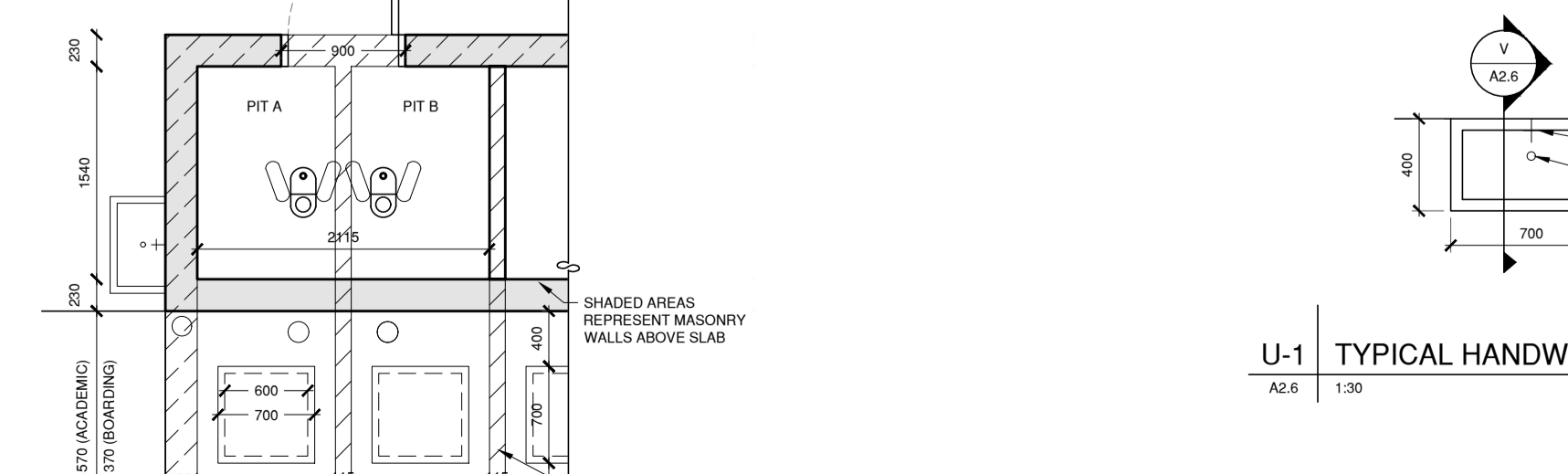
R CAP DETAIL
 A2.6 1:20



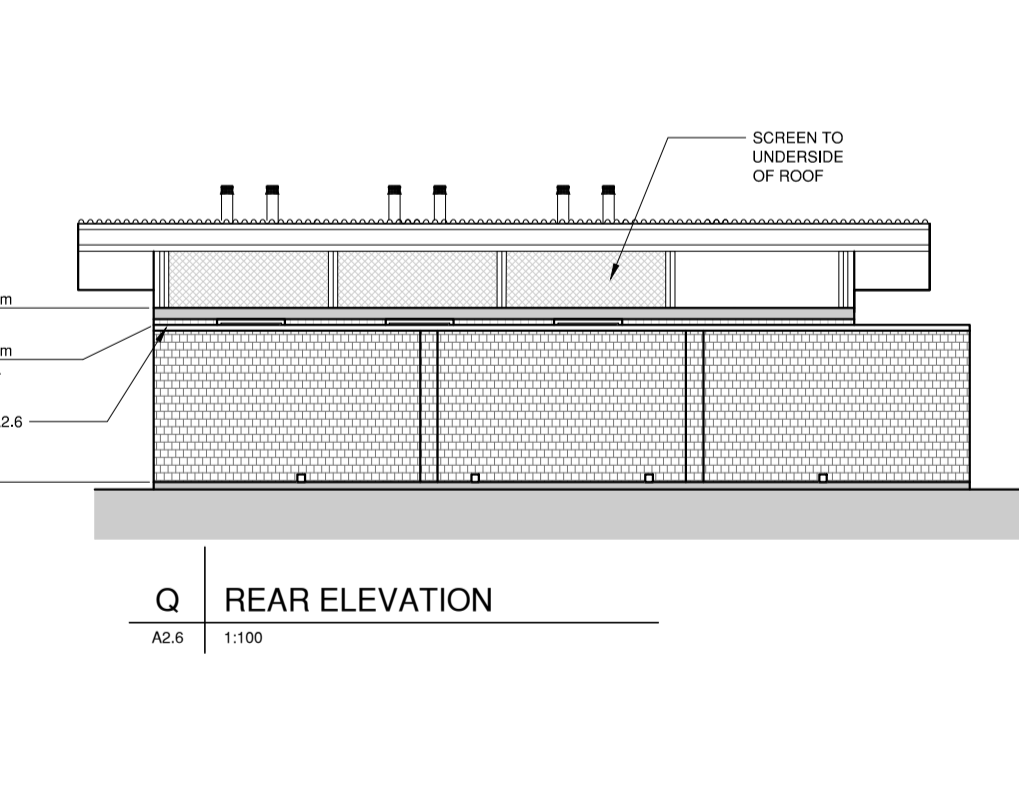
S SQUAT HOLE DETAIL
 A2.6 1:30



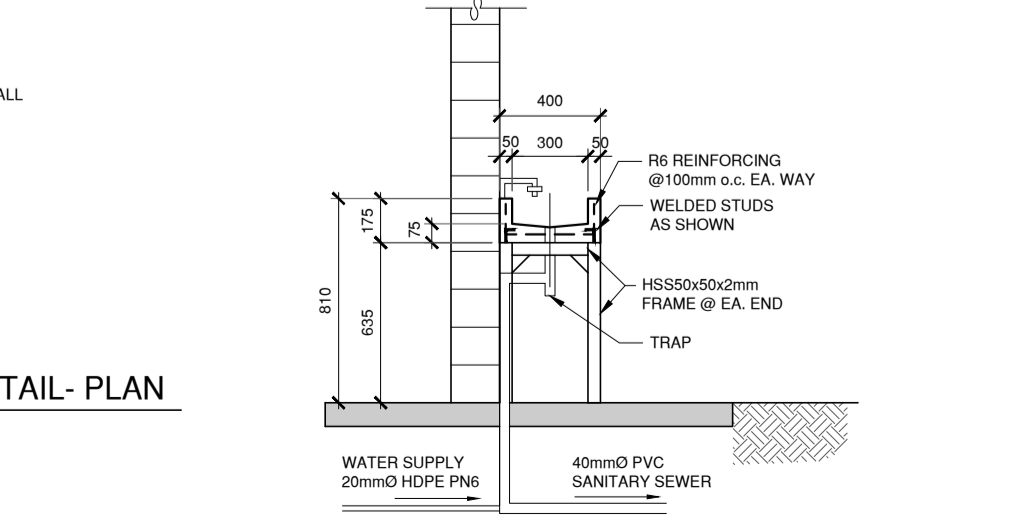
P FRONT ELEVATION
 A2.6 1:100



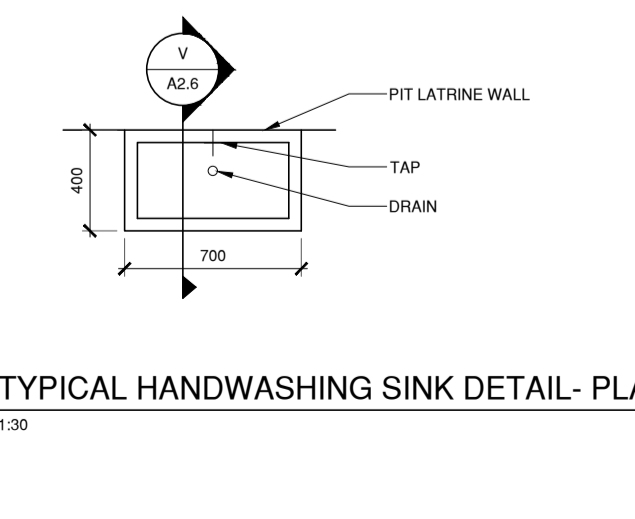
T STALL DIMENSIONS
 A2.6 1:50



Q REAR ELEVATION
 A2.6 1:100



U-2 TYPICAL HANDWASHING SINK- SECTION
 A2.6 1:30



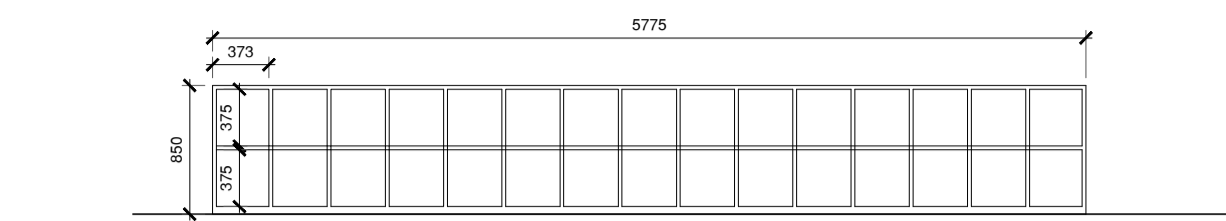
U-1 TYPICAL HANDWASHING SINK DETAIL- PLAN
 A2.6 1:30

- DOUBLE VIP LATRINE NOTES:**
1. EACH LATRINE HAS A SINGLE SQUAT HOLE PER PIT, SIDE BY SIDE. ONLY ONE SQUAT HOLE AND ONE PIT IS IN USE AT ANY TIME.
 2. PIT SIZES ARE 1m x 3.14 m x 1.5m DEEP (ACADEMIC) AND 1m x 3.14 m x 1.5m DEEP (BOARDING).
 3. WHEN THE PIT IN USE IS FILLED TO WITHIN 0.2m OF THE BOTTOM OF HATCH, COVER WITH 150mm SOIL, SEAL DEFECATION HOLE & VENT PIPE HOLE WITH MORTAR AND ALLOW TO REMAIN FOR AT LEAST 2 YEARS BEFORE CLEANING OUT.
 4. VENT PIPE IS PROTECTED BY AN INSECT SCREEN.
 5. KEEP DEFECATION HOLE COVERED WHEN NOT IN USE.
 6. LINE THE WALLS BETWEEN PITS WITH CEMENT MORTAR TO ENSURE ISOLATION OF ONE PIT FROM THE OTHER.
 7. STALL DIMENSION DETAIL Q/A1.7 IS FOR DIAGRAMMATIC PURPOSES ONLY. SEE S1.7 FOR STRUCTURAL INFORMATION.
 8. URINE AND GREY WATER IS ROUTED TO A SOAK PIT LOCATED DOWNHILL FROM THE LATRINE. SEE P1.2 FOR PIPING AND C1.2 FOR SOAK PIT INFO.

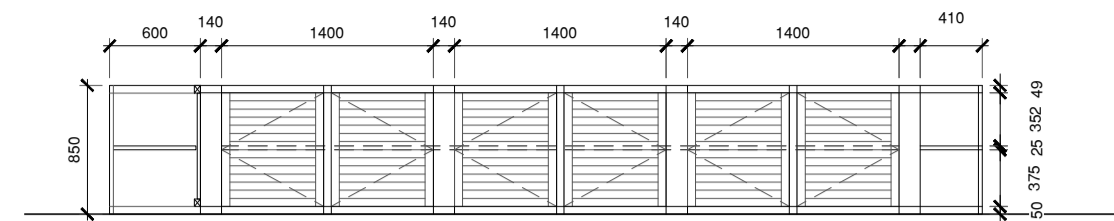
THE AMAZIMA PRIMARY SCHOOL
PHASE 1

PIT LATRINES: FLOOR PLANS, ELEVATIONS & SECTION

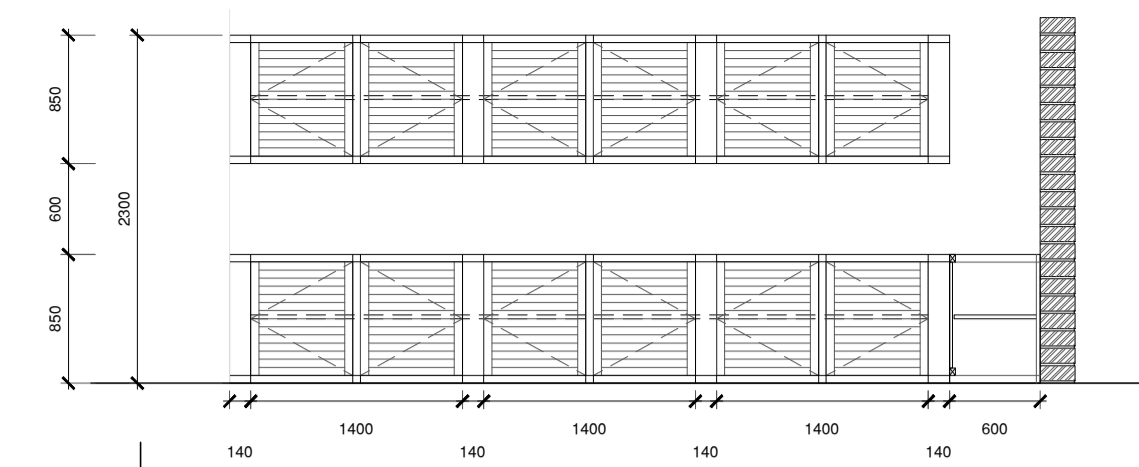
PROJECT:	UG-0202	SHEET NUMBER
DATE ISSUED:	DEC 2018	A2.6



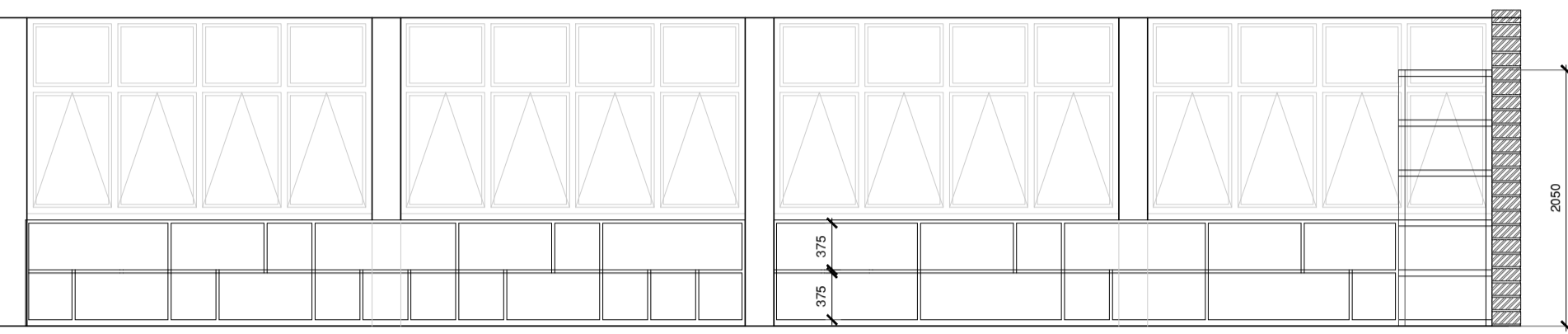
A ROOM 101
 A3.1 1:50



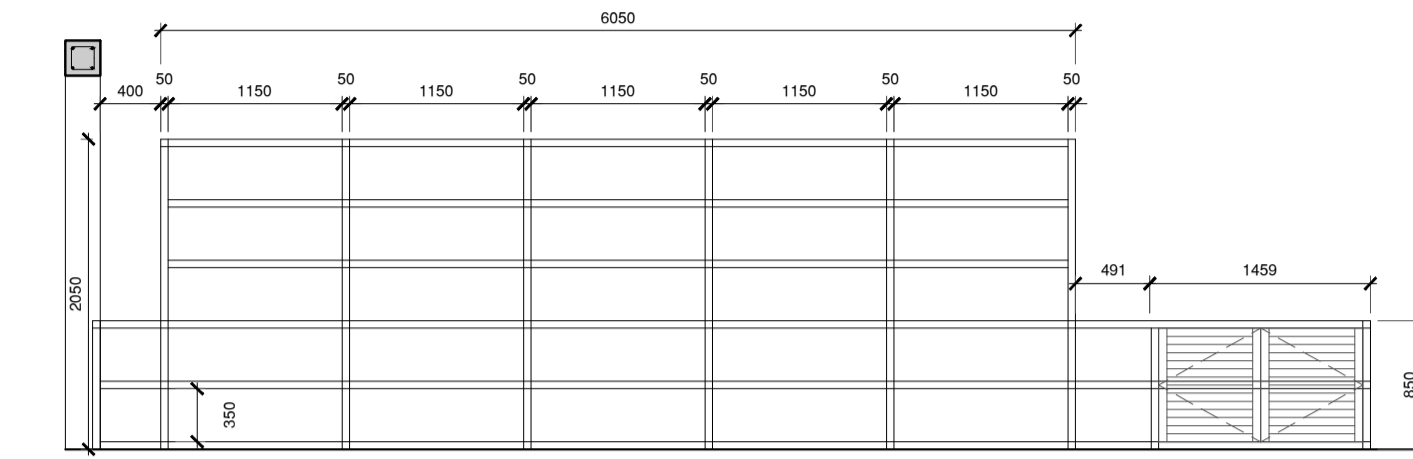
B ROOM 205
 A3.1 1:50



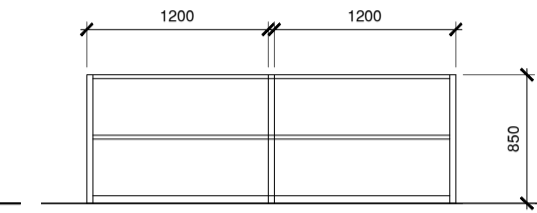
C ROOM 205
 A3.1 1:50



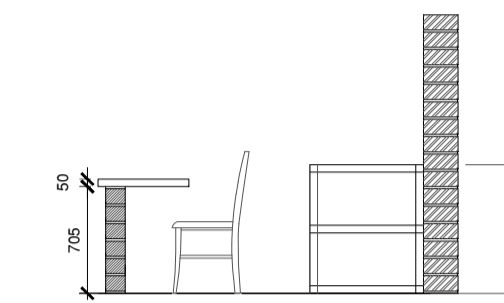
D ROOM 301
 A3.1 1:50



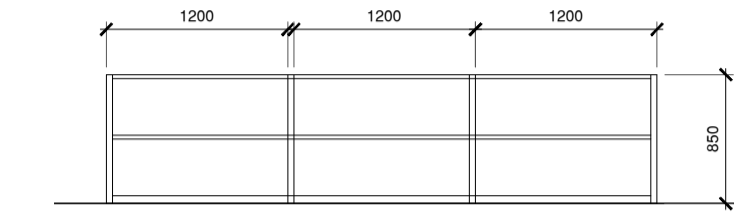
E ROOM 301
 A3.1 1:50



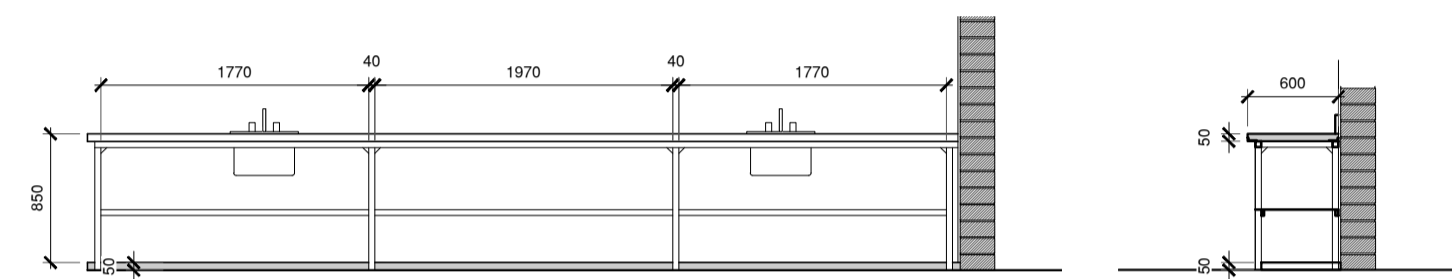
F ROOM 301
 A3.1 1:50



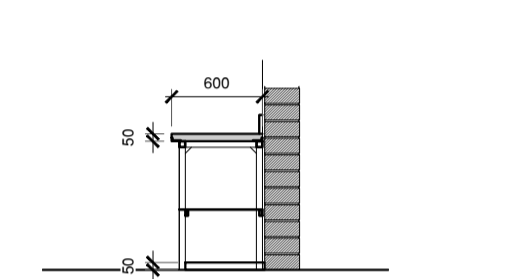
G ROOM 301
 A3.1 1:50



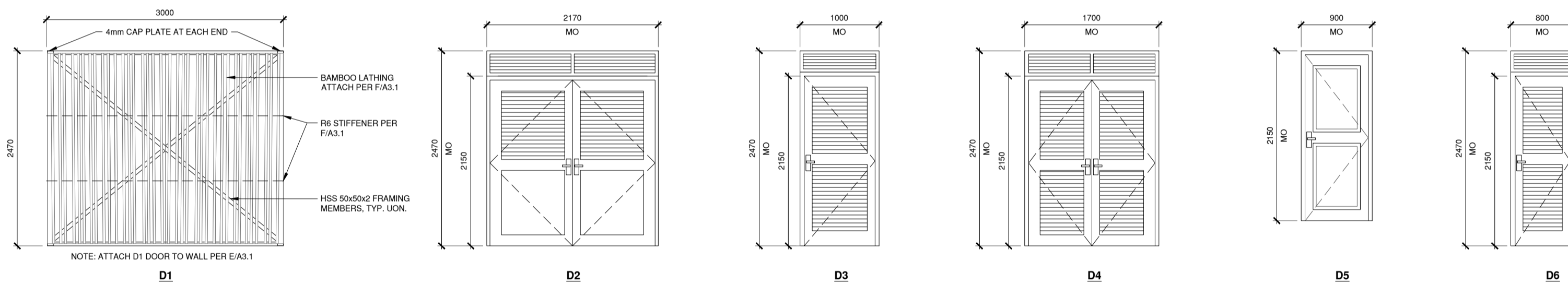
H ROOM 301
 A3.1 1:50



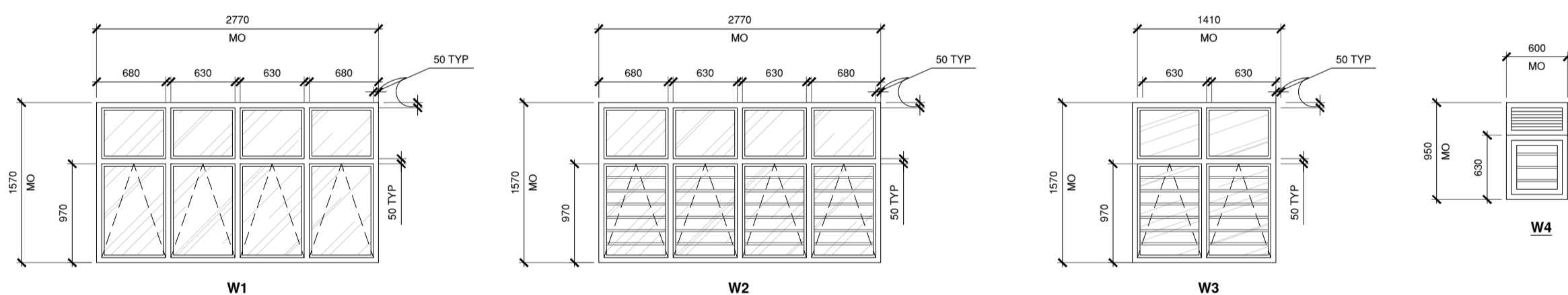
J ROOM 401/402 - PLAN
 A3.1 1:50



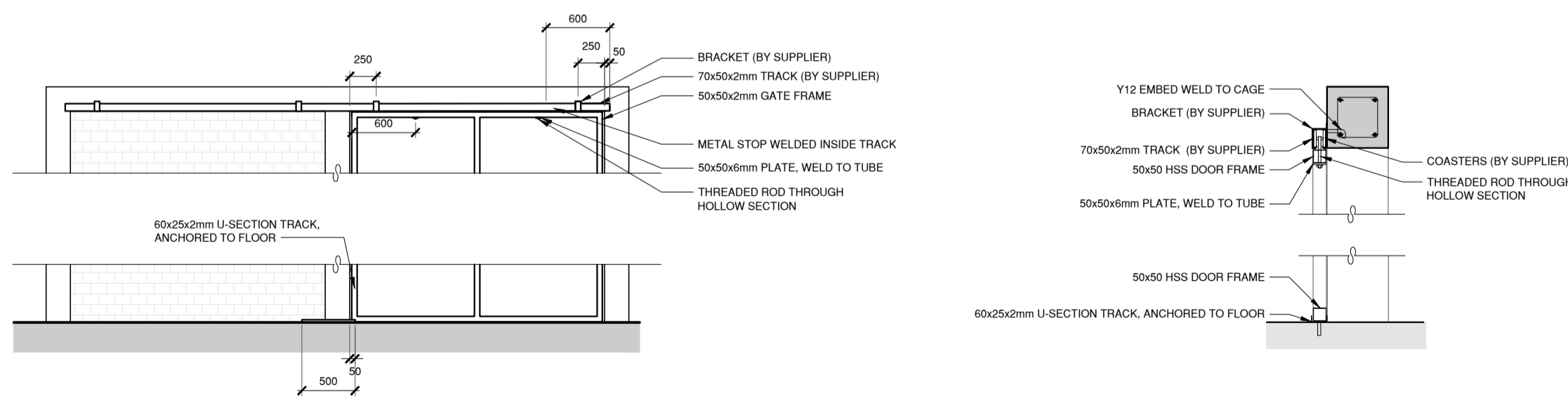
J ROOM 401/402 - SECTION
 A3.1 1:50



DOOR TYPES
 A3.1 1:50

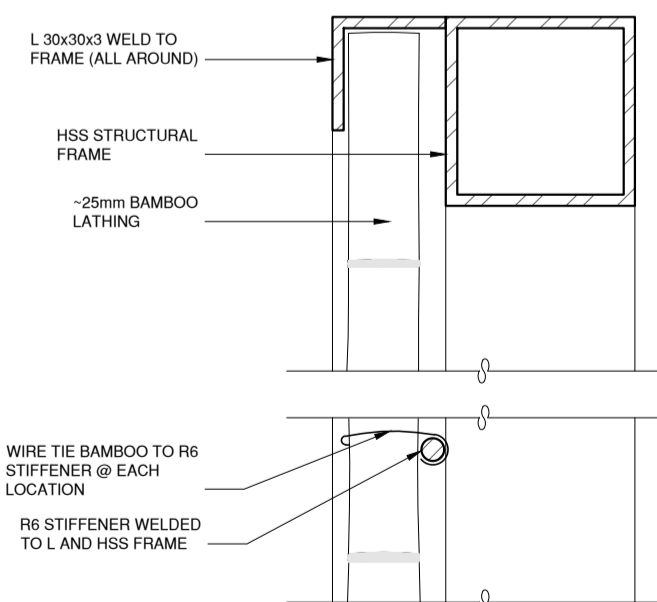


WINDOW TYPES
 A3.1 1:50



H-1 SLIDING DOOR ELEVATION
 A3.1 NTS

H-2 SLIDING DOOR SECTION
 A3.1 1:20



J BAMBOO LATHING CONNECTION DETAIL
 A3.1 1:2

ROOM FINISH SCHEDULE					
#	NAME	FLOOR FINISH	INTERIOR WALL FINISH	EXTERIOR WALL FINISH	CEILING FINISH
101	CLASSROOM	SCREED	PLASTER	EXPOSED BRICK	INSULATED ROOF
102	CLASSROOM	SCREED	PLASTER	EXPOSED BRICK	INSULATED ROOF
103	STORAGE	SCREED	PLASTER	EXPOSED BRICK	INSULATED ROOF
201	OFFICE	SCREED	PLASTER	EXPOSED BRICK	INSULATED ROOF
202	OFFICE	SCREED	PLASTER	EXPOSED BRICK	INSULATED ROOF
203	OFFICE	SCREED	PLASTER	EXPOSED BRICK	INSULATED ROOF
204	WAITING AREA	SCREED	PLASTER	EXPOSED BRICK	INSULATED ROOF
205	STAFF ROOM	SCREED	PLASTER	EXPOSED BRICK	INSULATED ROOF
206	STAFF TOILETS	SCREED	PLASTER	EXPOSED BRICK	INSULATED ROOF
301	LIBRARY	SCREED	PLASTER	EXPOSED BRICK	INSULATED ROOF
302	STORAGE	SCREED	PLASTER	EXPOSED BRICK	INSULATED ROOF
401	SCIENCE CLASSROOM	SCREED	PLASTER	EXPOSED BRICK	INSULATED ROOF
402	ART CLASSROOM	SCREED	PLASTER	EXPOSED BRICK	INSULATED ROOF
403	STORAGE	SCREED	PLASTER	EXPOSED BRICK	INSULATED ROOF
501	FLEXIBLE CLASSROOM	SCREED	PLASTER	EXPOSED BRICK	INSULATED ROOF
502	COMPUTER ROOM	SCREED	PLASTER	EXPOSED BRICK	INSULATED ROOF
503	SERVER ROOM/STORAGE	SCREED	PLASTER	EXPOSED BRICK	INSULATED ROOF
	COVERED WALKWAY	PAVERS			TRUSS

NOTES:
 FLOOR FINISH:
 SCREED = CEMENT/SAND FLOOR SCREED WITH 25x125mm SCREED WALL BASE
 PAVERS = 450x450x50 CEMENT PAVERS, 200x100x100 CEMENT PAVERS
 WALL FINISH:
 EXPOSED BRICK = EXPOSED BRICK WITH POLYURETHANE COAT
 PLASTER = PLASTER WITH LIME SLURRY FINISH
 CEILING FINISH:
 INSULATED ROOF = PROVIDE ADDITIONAL ROOF SHEET AND INSULATION BARRIER TO UNDERSIDE OF ROOF PURLINS
 TRUSS = ROOM OPEN TO EXPOSED TRUSSES ABOVE

• ALL WINDOW AND DOOR FRAMES TO BE HOLLOW METAL FRAMES

DOOR SCHEDULE				
TYPE	QTY.	FRAME WIDTH(mm)	FRAME HEIGHT(mm)	COMMENT
D1	17	3000	2150 DOOR 320 LOUVER FRAME: 2470	METAL FRAME WITH BAMBOO LATHING (DOOR SIZE: 3000mm x 2470mm)
D2	10	2170	2150 DOOR 320 LOUVER FRAME: 2470	METAL LOUVERED TOP PANEL, SOLID METAL PLATE BOTTOM PANEL (DOOR SIZE: 2170mm x 2470mm); LOUVERED VENT ABOVE
D3	7	1000	2150 DOOR 320 LOUVER FRAME: 2470	SOLID TIMBER DOOR (DOOR SIZE: 1000mm x 2470mm); LOUVERED VENT ABOVE
D4	1	1700	2150 DOOR 320 LOUVER FRAME: 2470	SOLID TIMBER DOUBLE DOOR (DOOR SIZE: 1700mm x 2470mm); LOUVERED VENT ABOVE
D5	12	900	2150 DOOR FRAME: 2150	TWO PANEL METAL DOOR (DOOR SIZE: 900mm x 2150mm)
D6	2	800	2150 DOOR 320 LOUVER FRAME: 2470	TWO PANEL METAL DOOR (DOOR SIZE: 900mm x 2150mm)

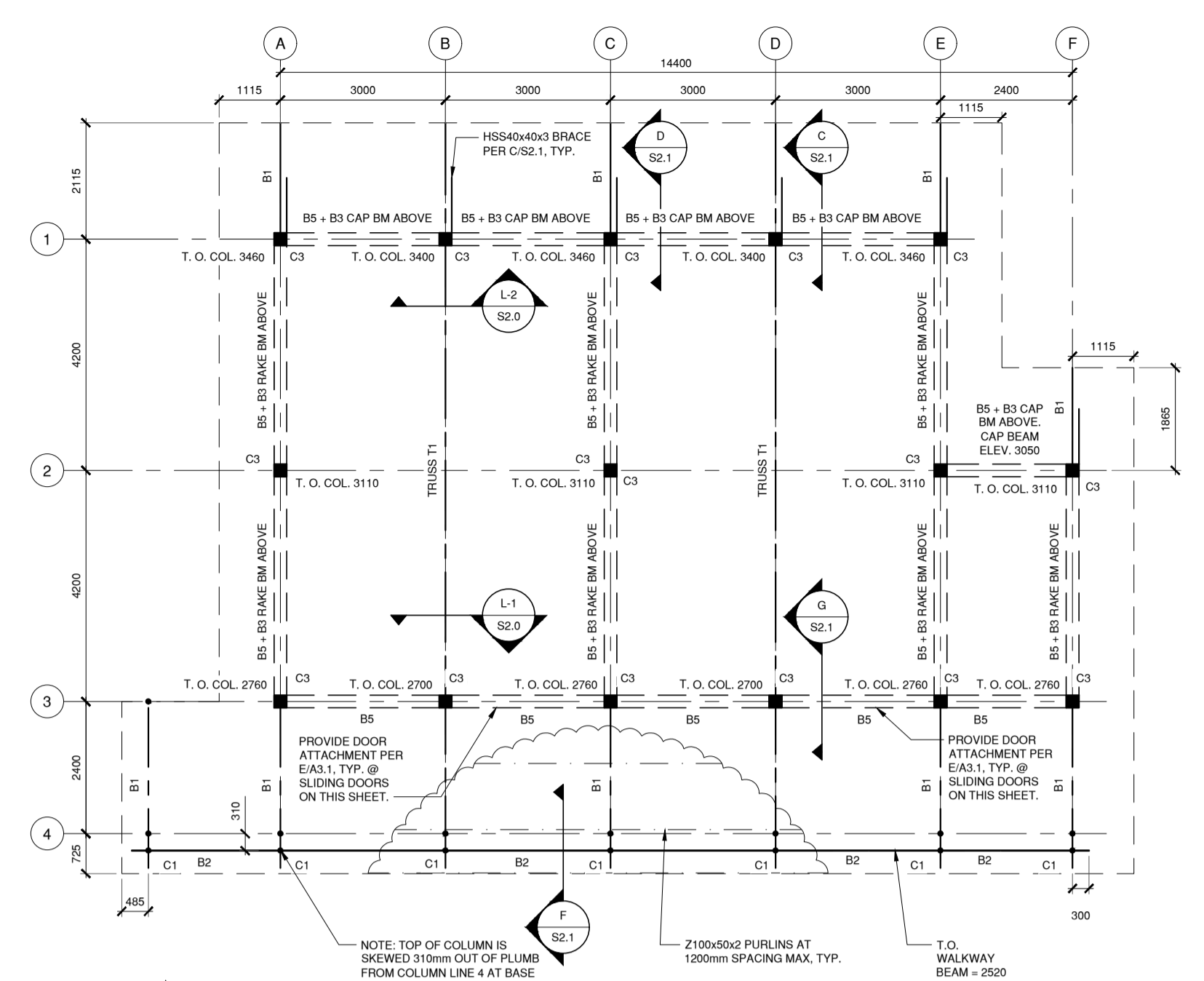
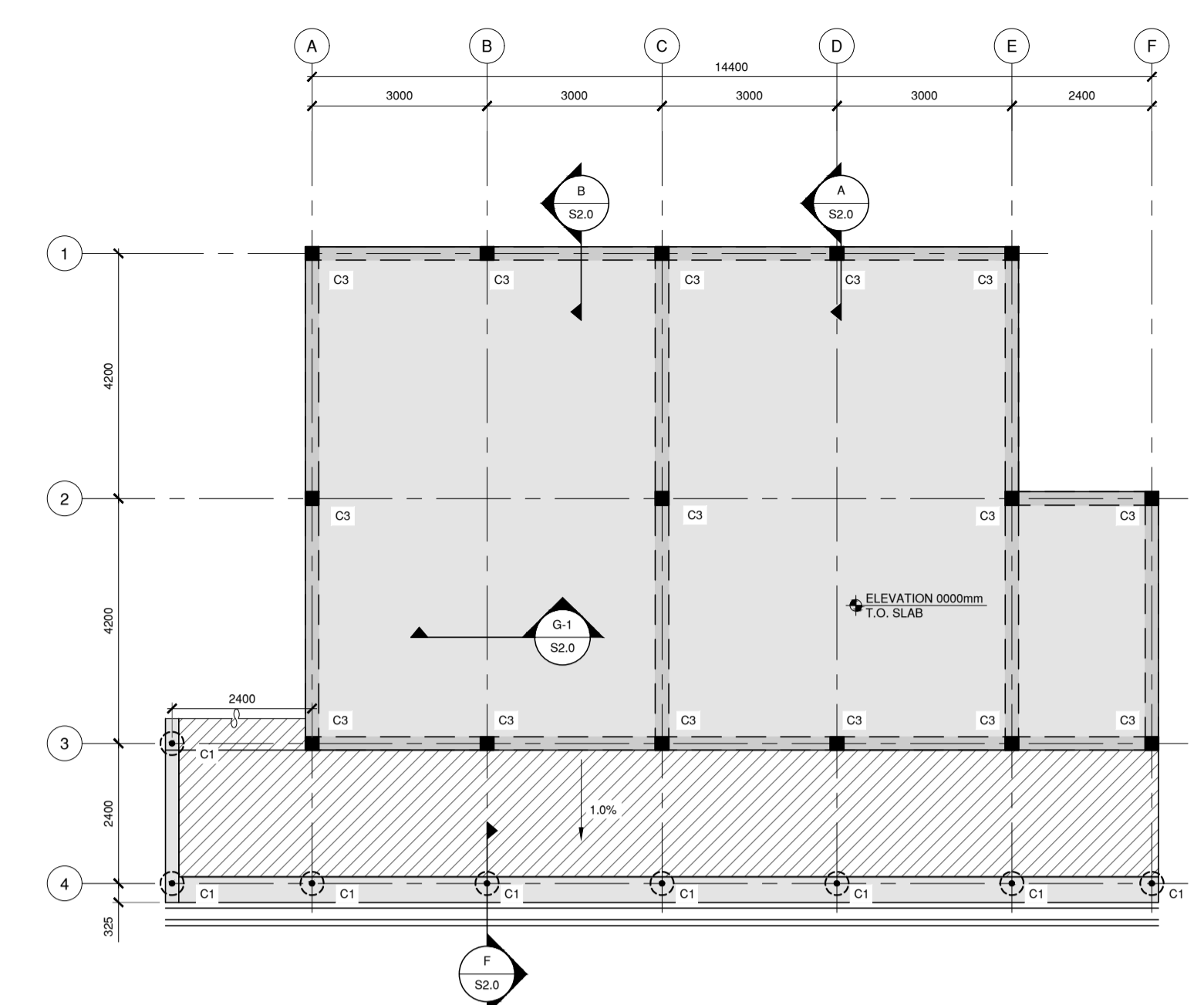
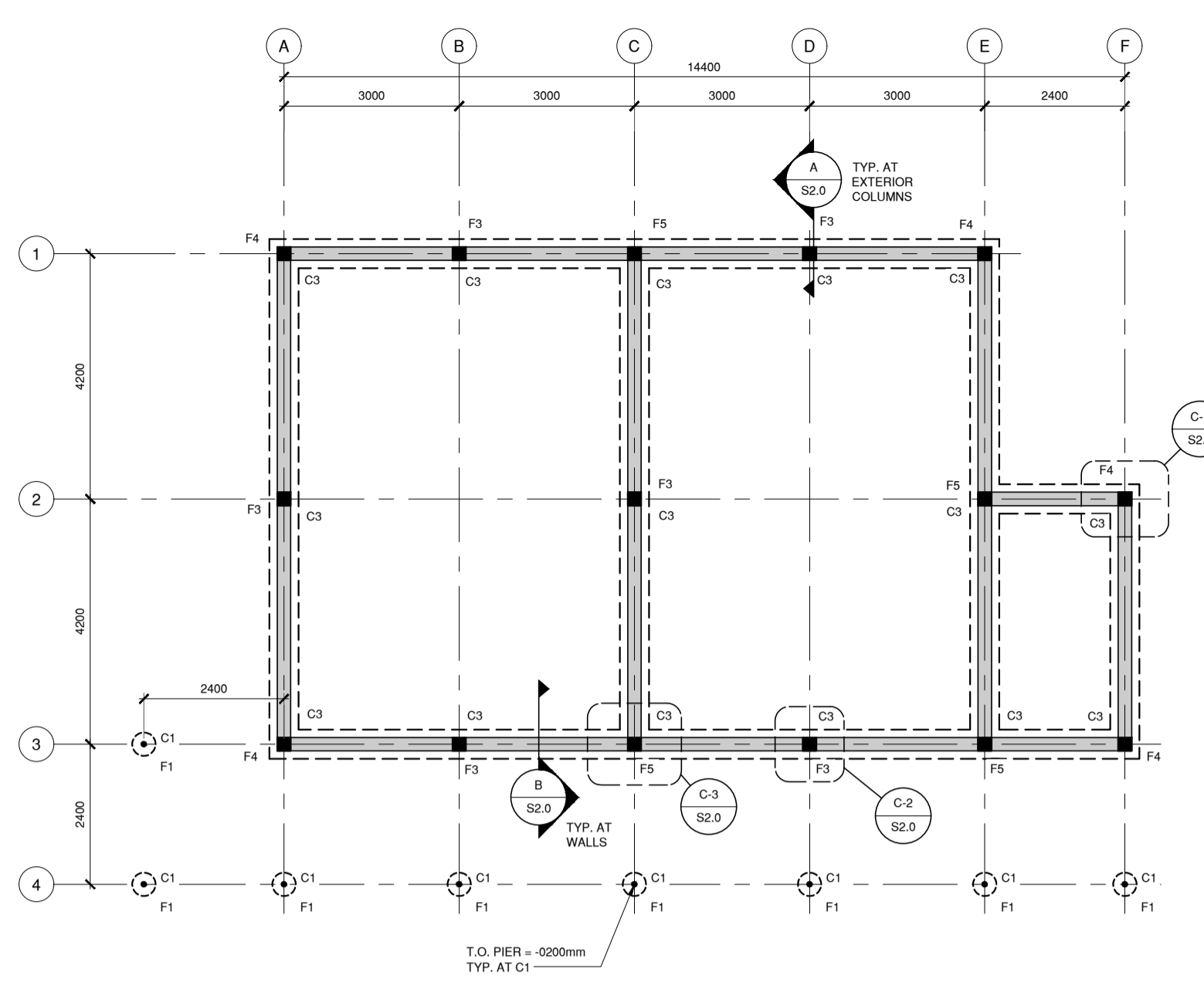
WINDOW SCHEDULE				
TYPE	QTY.	FRAME WIDTH(mm)	FRAME HEIGHT(mm)	COMMENT
W1	30	2770	970 WINDOW 600 TOP GLAZING TOTAL: 1570	METAL FRAME WINDOW WITH SCREENS, AND FIXED GLAZING ABOVE
W2	19	2770	970 WINDOW 600 TOP GLAZING TOTAL: 1570	METAL FRAME WINDOW WITH SCREENS, SECURITY BARS, AND FIXED GLAZING ABOVE
W3	4	1410	970 WINDOW 600 TOP GLAZING TOTAL: 1570	METAL FRAME WINDOW WITH SCREENS, SECURITY BARS, AND FIXED GLAZING ABOVE
W4	2	600	830 WINDOW 320 LOUVER TOTAL: 950	METAL FRAME WINDOW WITH SCREENS, SECURITY BARS, AND FIXED GLAZING ABOVE

REV. DATE DESCRIPTION

THE AMAZIMA PRIMARY SCHOOL
PHASE 1

MILLWORK DETAILS, DOOR & WINDOW SCHEDULES, ROOM FINISHES SCHEDULE

PROJECT: **UG-0202**
 DATE ISSUED: **DEC 2018**
 SHEET NUMBER: **A3.1**



A FOUNDATION PLAN
 S1.1 1:100

B SLAB PLAN
 S1.1 1:100

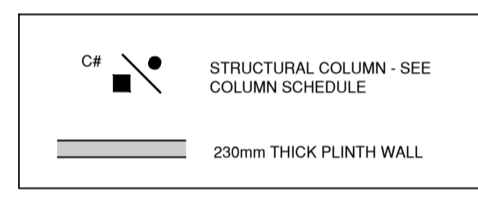
C ROOF FRAMING PLAN
 S1.1 1:100

FOUNDATION NOTES

- CENTER OF CORNER COLUMNS HAVE BEEN LABELED WITH NORTHING AND EASTING COORDINATES TO PROPERLY LOCATE BUILDING ON SITE.
- BOTTOM OF FOOTINGS SHALL EXTEND MIN 1000mm BELOW GRADE INTO NATIVE SOIL.
- FOOTING SIZE IS BASED UPON A PRESUMPTIVE BEARING CAPACITY OF 100kpa.

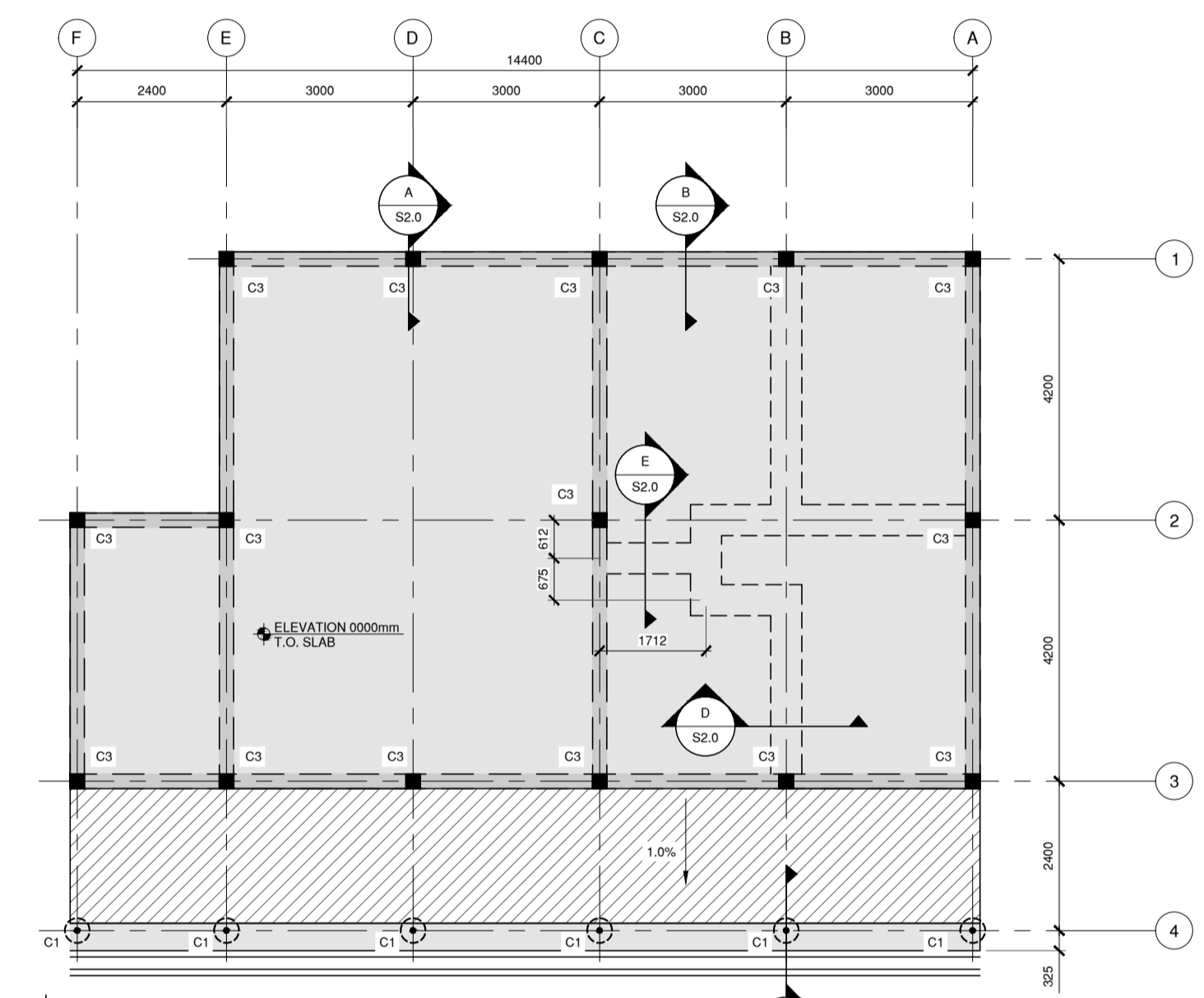
FOUNDATION SCHEDULE						
MARK	LENGTH (mm)	WIDTH (mm)	DEPTH (mm)	REINFORCEMENT	FOUNDATION TYPE	GRAPHIC REPRESENTATION
--	--	500	200	NONE	CONTINUOUS STRIP FOOTING	
F1	400 Ø	750	NONE	NONE	PIER FOOTING	
F2	500 Ø	750	(4) 12mm BARS R6 HOOPS AT 30mm OC, SEE F3.0		PIER FOOTING	
F3	--	500	200	(3) 12mm LONG BARS AND (4) 12mm SHORT BARS, SEE C-2.0,3.0	INTEGRAL COLUMN FOOTING	
F4	--	500	200	(3) 12mm BENT BARS AND (5) 12mm SHORT BARS, SEE C-3.0,3.0	INTEGRAL COLUMN FOOTING	
F5	--	500	200	(2) 12mm BENT BARS, (3) 12mm LONG BARS AND (4) 12mm SHORT BARS, SEE C-3.0,3.0	INTEGRAL COLUMN FOOTING	

FOUNDATION PLAN LEGEND



COLUMN SCHEDULE				
MARK	MATERIAL	DIMENSIONS (mm)	LONGITUDINAL REINFORCEMENT	SHEAR REINFORCEMENT
C1	METAL PIPE	750 x 3mm THICK	N/A	N/A
C2	METAL TUBE	75 x 75 x 3mm THICK	N/A	N/A
C3	REINFC CONC	230	(4) 12mm BARS	R6 HOOPS @ 90mm OC

SEE M-1.0.0 FOR CONCRETE COLUMN BEARING DETAIL.
 C1 COLUMNS ON THIS SHEET ARE SKEWED PER A3.1.

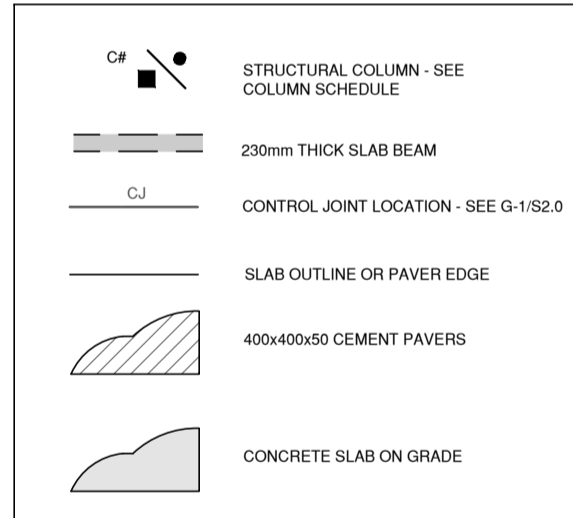


D SLAB PLAN - ADMINISTRATION BUILDING
 S1.1 1:100

SLAB NOTES

- INTERIOR SLAB ON GRADE TO BE 100mm THICK CONCRETE SLAB REINFORCED WITH BRG-A46 MESH ON CONTINUOUS CONSTRUCTION GRADE PLASTIC VAPOR BARRIER SET OVER 50mm SAND BLENDING ON 200mm HARDWARE, TYP.
- EXTERIOR SLAB ON GRADE TO BE 100mm THICK CONCRETE SLAB REINFORCED WITH BRG-A46 MESH ON CONTINUOUS CONSTRUCTION GRADE PLASTIC VAPOR BARRIER SET OVER COMPACTED MURRAM, TYP.
- PAVERS SHALL BE SET UPON A 50mm SAND BED ON COMPACTED MURRAM.
- PROVIDE REINFORCED SLAB AT ALL INTERIOR NON-BEARING MASONRY WALLS x 1500mm TALL PER D3.0 AND E3.0.
- PROVIDE CONTROL JOINTS IN SLAB PER DETAIL G-1/S2.0 AT 4.2m O.C. MAX SPACINGS, U.O.N.
- WHERE POSSIBLE, COLD JOINTS SHALL BE PLACED AT CONTROL JOINT LOCATIONS, OTHERWISE SEE DETAIL G-2/S2.0 FOR COLD JOINTS.
- NO CONTROL JOINTS IN CONCRETE SLAB ON GRADE WITH A FLOOR FINISH (I.E. TERRAZO, SCREED OR TILE).
- SCREED CONTROL JOINT LAYOUT TO BE PER ARCH SPEC. SUBMIT PER FOR DETAILS. CONTROL JOINTS IN SCREED TO BE MADE WITH METAL STRIPS, SIMILAR TO TERRAZO.
- SEE MASTER PLAN FOR LOCATIONS OF ADJACENT WALKS, RETAINING WALLS, PLANTERS, PLAZAS, STAIRS AND OTHER SITE DEVELOPMENT FEATURES.

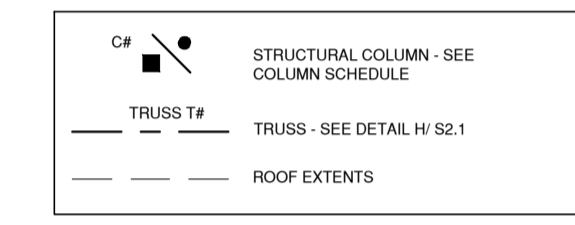
SLAB PLAN LEGEND



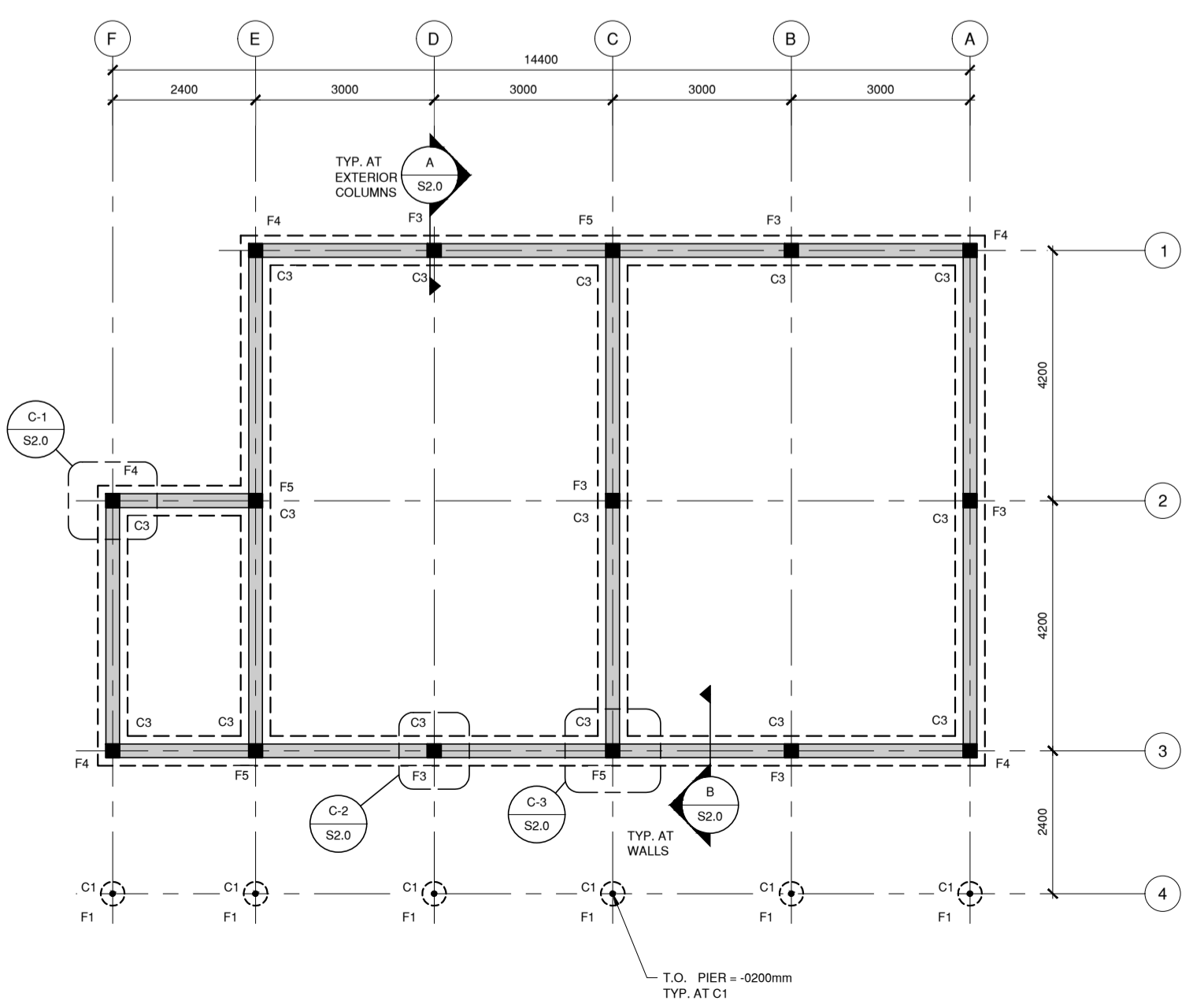
FRAMING PLAN NOTES

- TOP OF BEAMS AND COLUMNS SHALL BE 2700mm, U.O.N.
- TOP OF CAPPER BEAMS SHALL BE 3400mm, U.O.N.
- TOP OF RAKE BEAMS SHALL MATCH TOPS OF THE COLUMNS ON EACH END.

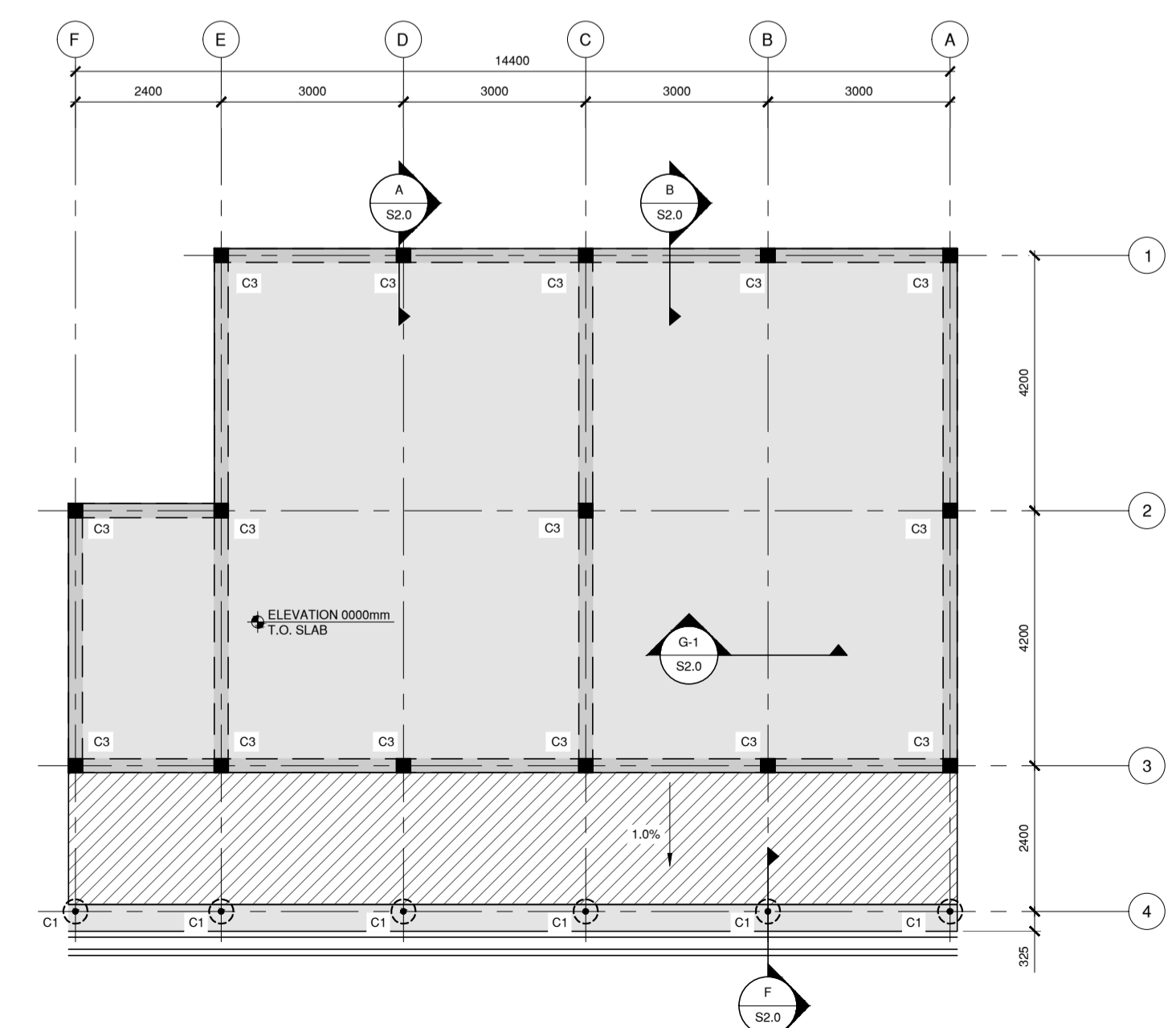
FRAMING PLAN LEGEND



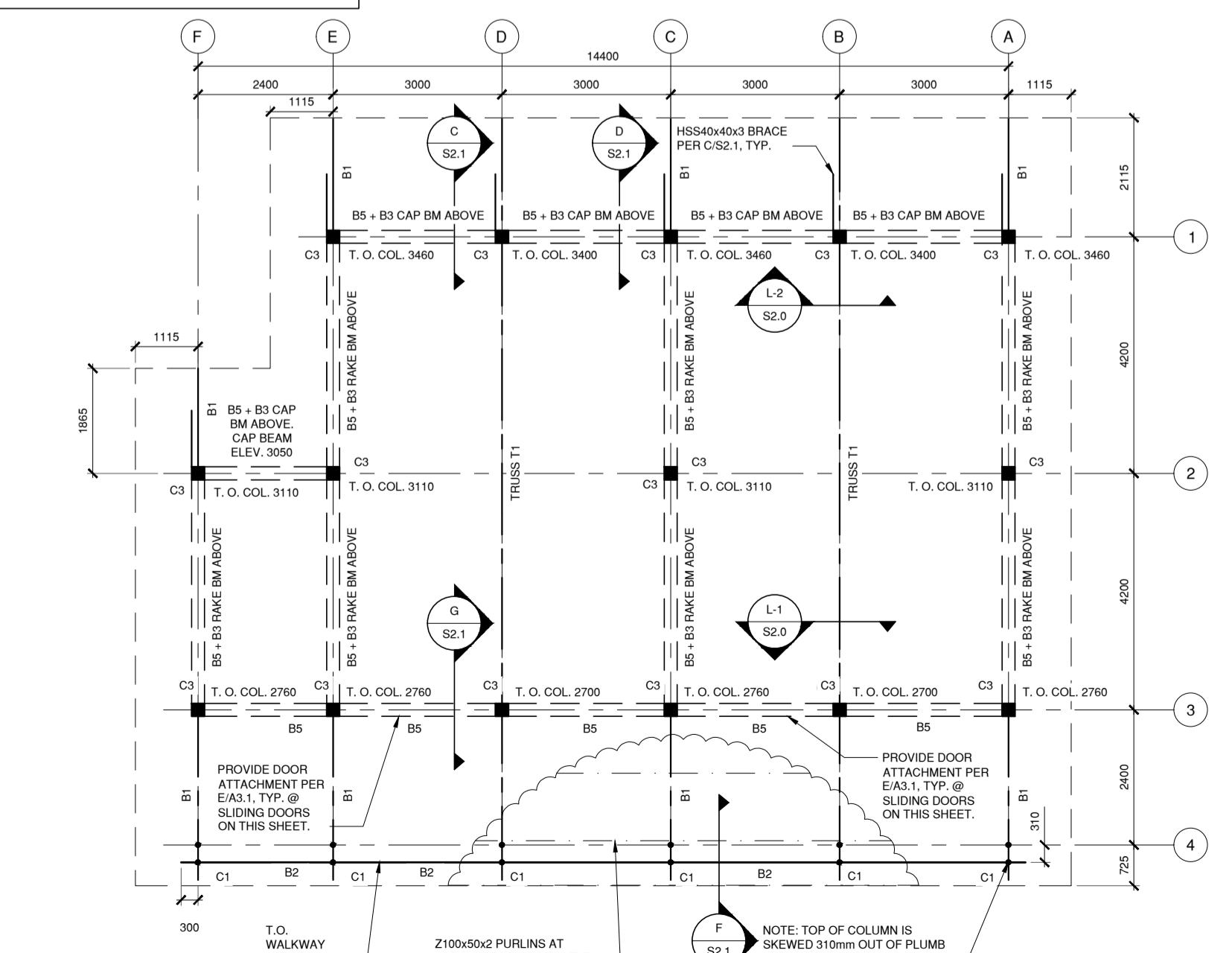
BEAM SCHEDULE					
MARK	MATERIAL	WIDTH (mm)	DEPTH (mm)	LONGITUDINAL REINFORCEMENT	SHEAR REINFORCEMENT
B1	METAL DOUBLE ANGLES	LL 60 x 60 x 4		N/A	N/A
B2	METAL TUBE	50 x 50 x 3		N/A	N/A
B3	REINFC CONC	115	150	(1) 12mm BAR - TOP (1) 12mm BAR - BOTTOM	R6 TIES @ 90mm OC
B4	REINFC CONC	230	150	(2) 12mm BARS	R6 TIES @ 90mm OC
B5	REINFC CONC	230	230	(2) 12mm BARS - TOP (2) 12mm BARS - BOTTOM	R6 HOOPS @ 90mm OC



E FOUNDATION PLAN - MIRROR
 S1.1 1:100



F SLAB PLAN - MIRROR
 S1.1 1:100



G ROOF FRAMING PLAN - MIRROR
 S1.1 1:100

ALL DIMENSIONS IN MM UNLESS OTHERWISE NOTED

REV.	DATE	DESCRIPTION

THE AMAZIMA PRIMARY SCHOOL
PHASE 1

CLASSROOM BLOCK FOUNDATION PLAN, SLAB PLAN, AND ROOF FRAMING PLAN

Phone: 011 2020-110000, Fax: 011 2020-110000, Email: info@emiea.org, Website: www.emiea.org, Address: Plot 3251, Kampala, Uganda

FOUNDATION NOTES

- BOTTOM OF FOOTINGS SHALL EXTEND TO MIN. 100mm BELOW GRADE INTO NATIVE SOIL.
- FOOTING SIZE IS BASED UPON A PRESUMPTIVE BEARING PRESSURE OF 100kPa.

FOUNDATION SCHEDULE						
MARK	LENGTH (mm)	WIDTH (mm)	DEPTH (mm)	REINFORCEMENT	FOUNDATION TYPE	GRAPHIC REPRESENTATION
-	-	500	200	NONE	CONTINUOUS STRIP FOOTING	

FOUNDATION PLAN LEGEND

- 230mm THICK PLINTH WALL ON CONTINUOUS STRIP FOOTING PER FOUNDATION SCHEDULE
- 115mm THICK PLINTH WALL ON CONTINUOUS STRIP FOOTING. 230mm WIDE BY 200mm DEEP
- 115mm THICK PLINTH WALL BRICK TO BEAR 2 COURSES MIN. BELOW GRADE ONTO NATIVE SOIL. TYP. AT WALL WITHOUT FOOTING

SLAB NOTES

- EXTERIOR SLAB ON GRADE TO BE 100mm THICK CONCRETE SLAB REINFORCED WITH BRC A-66 MESH ON CONTINUOUS CONSTRUCTION GRADE PLASTIC VAPOR BARRIER SET COMPACTED MURRAM TYP.
- ELEVATED STRUCTURAL SLAB SHALL BE 100mm THICK REINFORCED WITH 12mm BARS AT 300mm O.C. EACH WAY.
- NO CONTROL JOINTS IN CONCRETE SLAB ON GRADE WITH A FLOOR FINISH (I.E. TERRAZO, SCREED, OR TILE)
- SCREED CONTROL JOINT LAYOUT TO BE PER ARCH SPECS. SUBMIT PER FOR DETAILS. CONTROL JOINTS IN SCREED TO BE MADE WITH METAL STRIPS, SIMILAR TO TERRAZO.
- SEE MASTER PLAN FOR LOCATIONS OF ADJACENT WALKS, RETAINING WALLS, PLANTERS, PLAZAS, STAIRS AND OTHER SITE DEVELOPMENT FEATURES

SLAB PLAN LEGEND

- ELEVATED SLAB BEAM
- CONTROL JOINT LOCATION - SEE G-1-S2.0
- SLAB OUTLINE
- STRUCTURAL SLAB
- SLAB ON GRADE

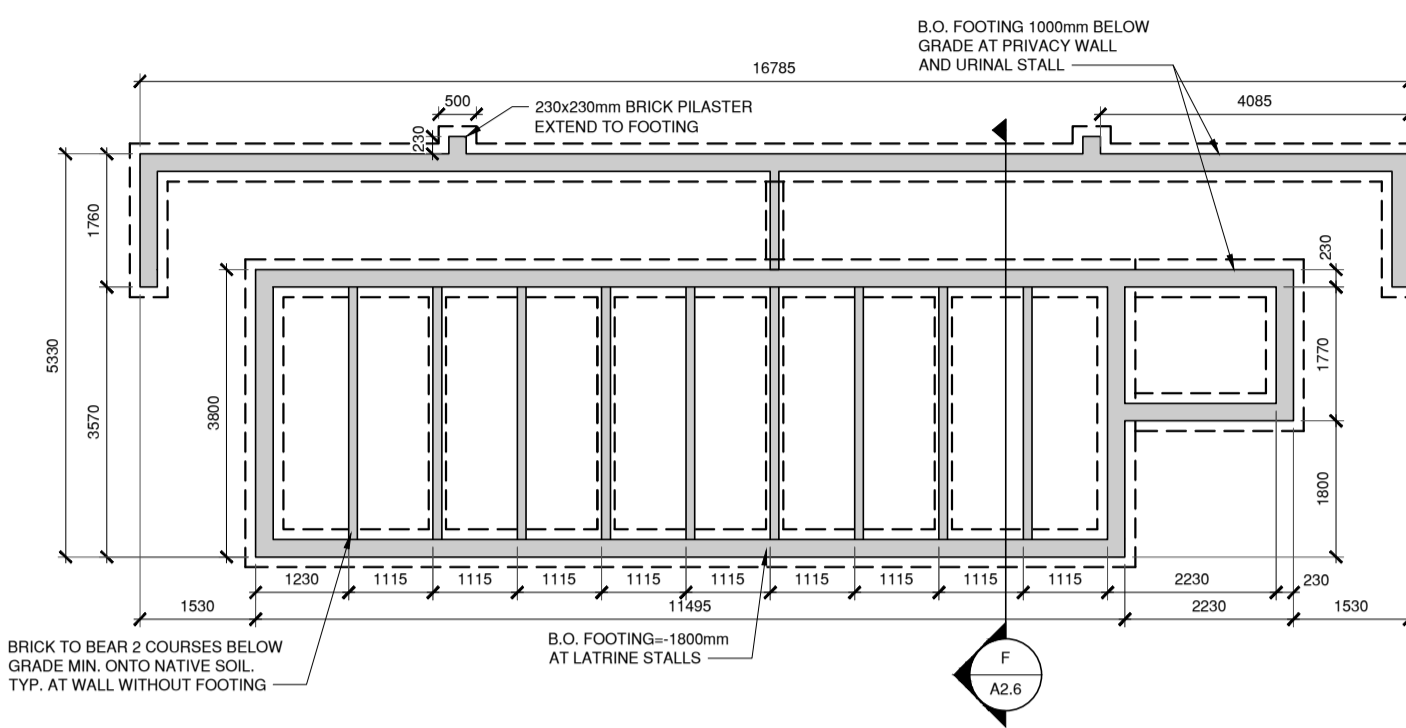
FRAMING NOTES

- TOP OF RING BEAM SHALL BE 230mm. U.O.N.

FRAMING PLAN LEGEND

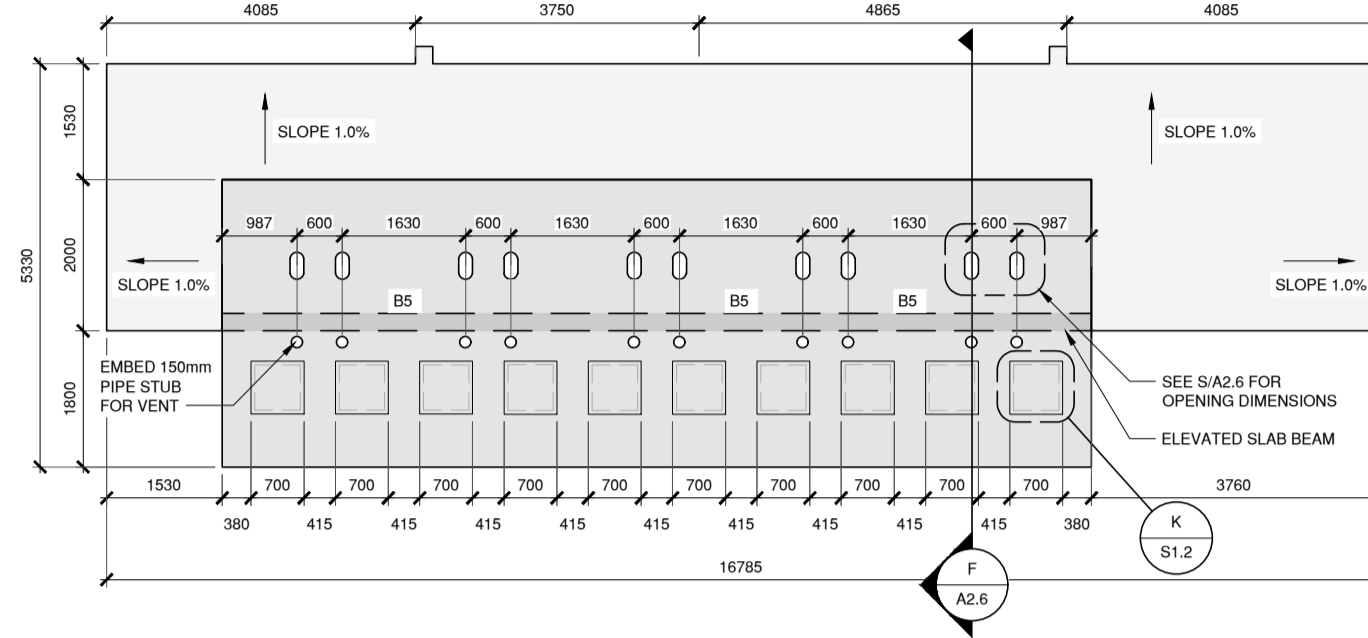
- RAFTER
- ROOF EXTENTS

BEAM SCHEDULE					
MARK	MATERIAL	WIDTH (mm)	DEPTH (mm)	LONGITUDINAL REINFORCEMENT	SHEAR REINFORCEMENT
B1	METAL DOUBLE ANGLES	LL 60 x 60 x 4		N/A	N/A
B3	REINFC CONC	115	150	(1) 12mm BAR - TOP (1) 12mm BAR - BOTTOM	R6 TIES @ 90mm OC
B4	REINFC CONC	230	150	(2) 12mm BARS	R6 TIES @ 90mm OC
B5	REINFC CONC	230	230	(2) 12mm BARS - TOP (2) 12mm BARS - BOTTOM	R6 HOOPS @ 90mm OC
B9	METAL DOUBLE ANGLES	LL 60 x 60 x 6		N/A	N/A



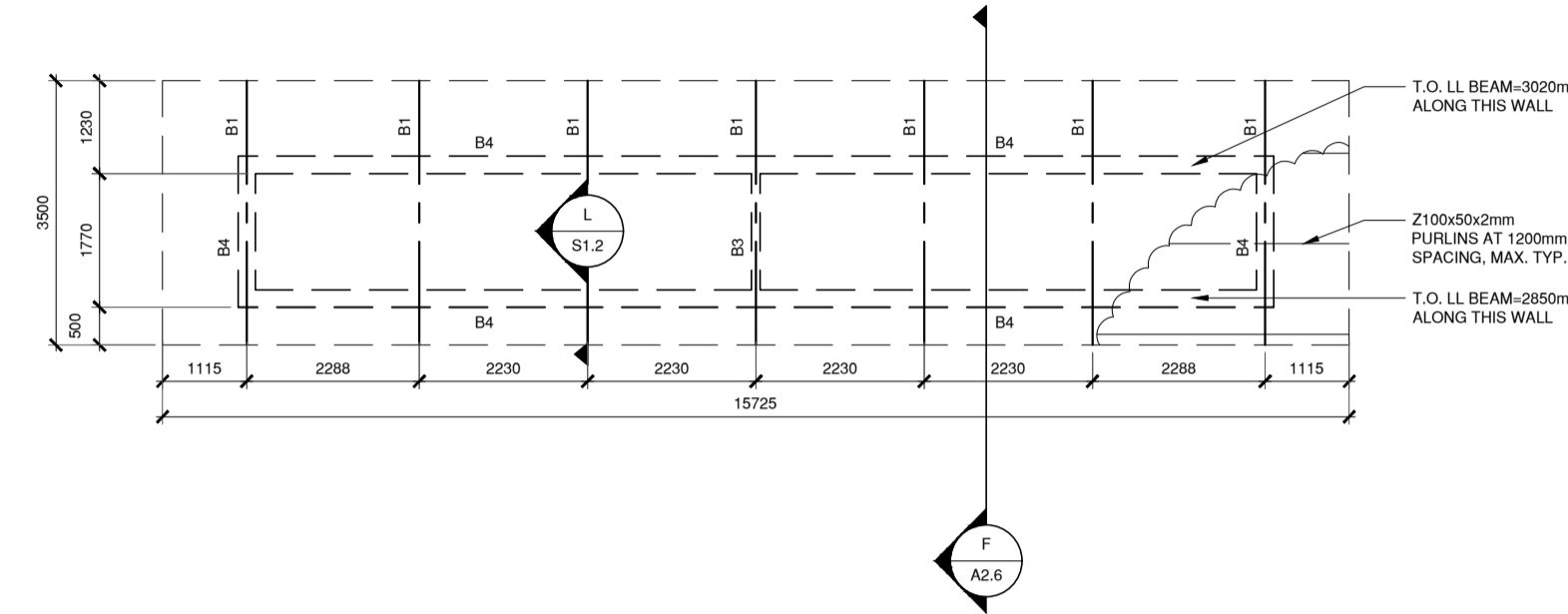
A LATRINE BLOCK FOUNDATION PLAN

S1.2 1:100



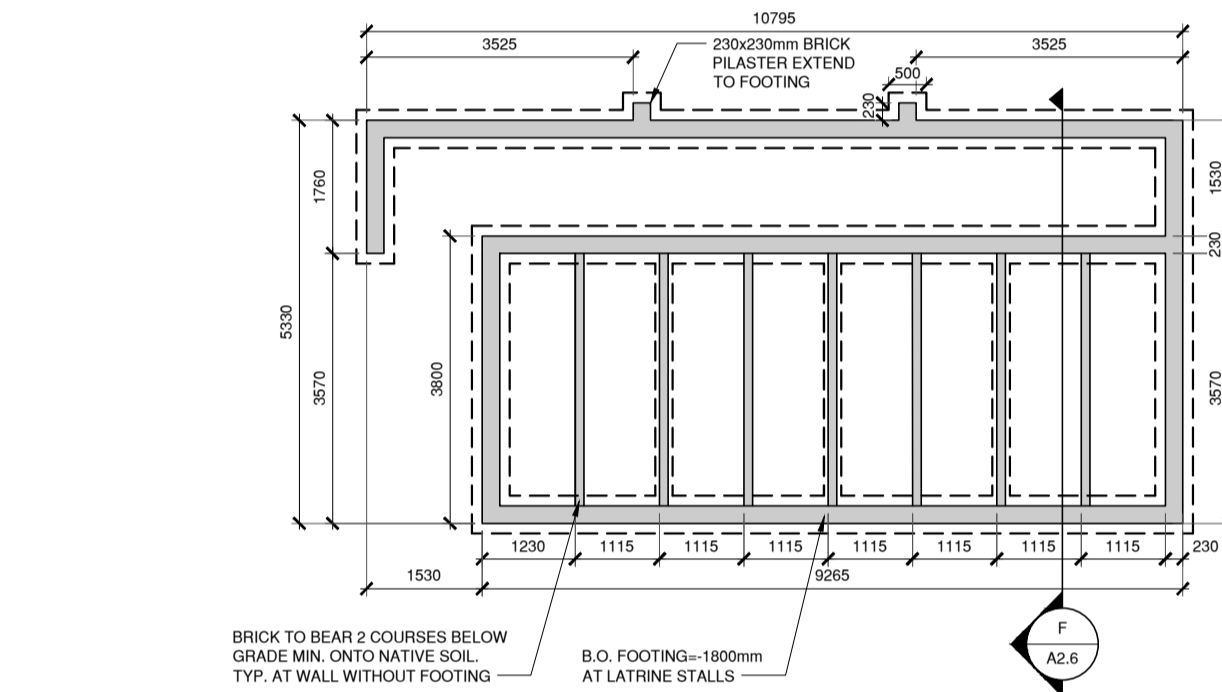
B LATRINE BLOCK SLAB PLAN

S1.2 1:100



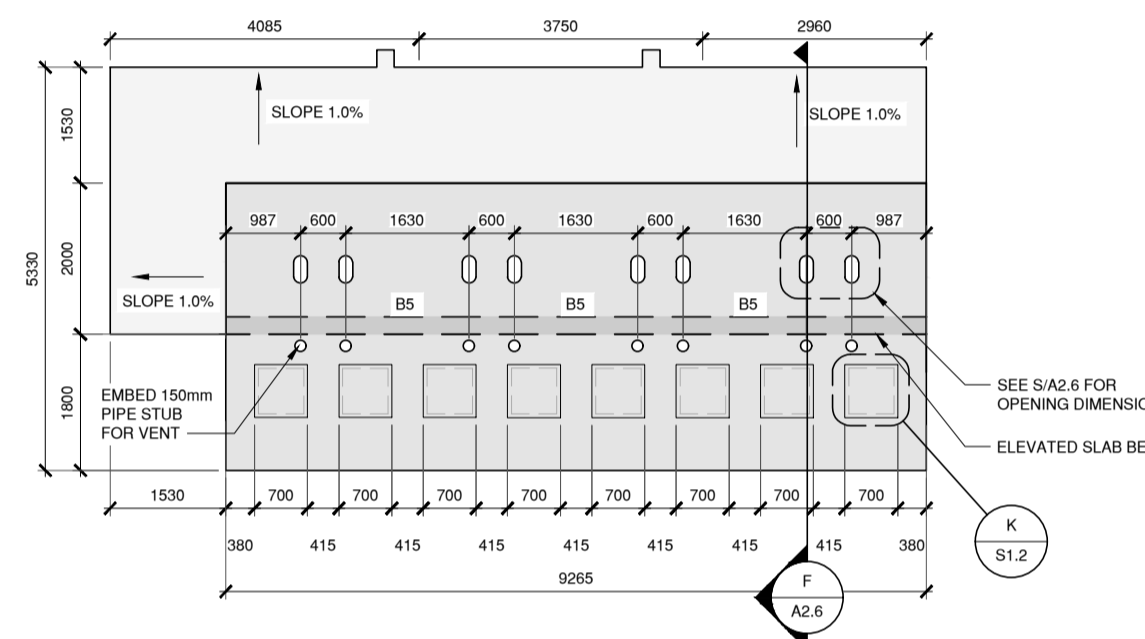
C LATRINE BLOCK FRAMING PLAN

S1.2 1:100



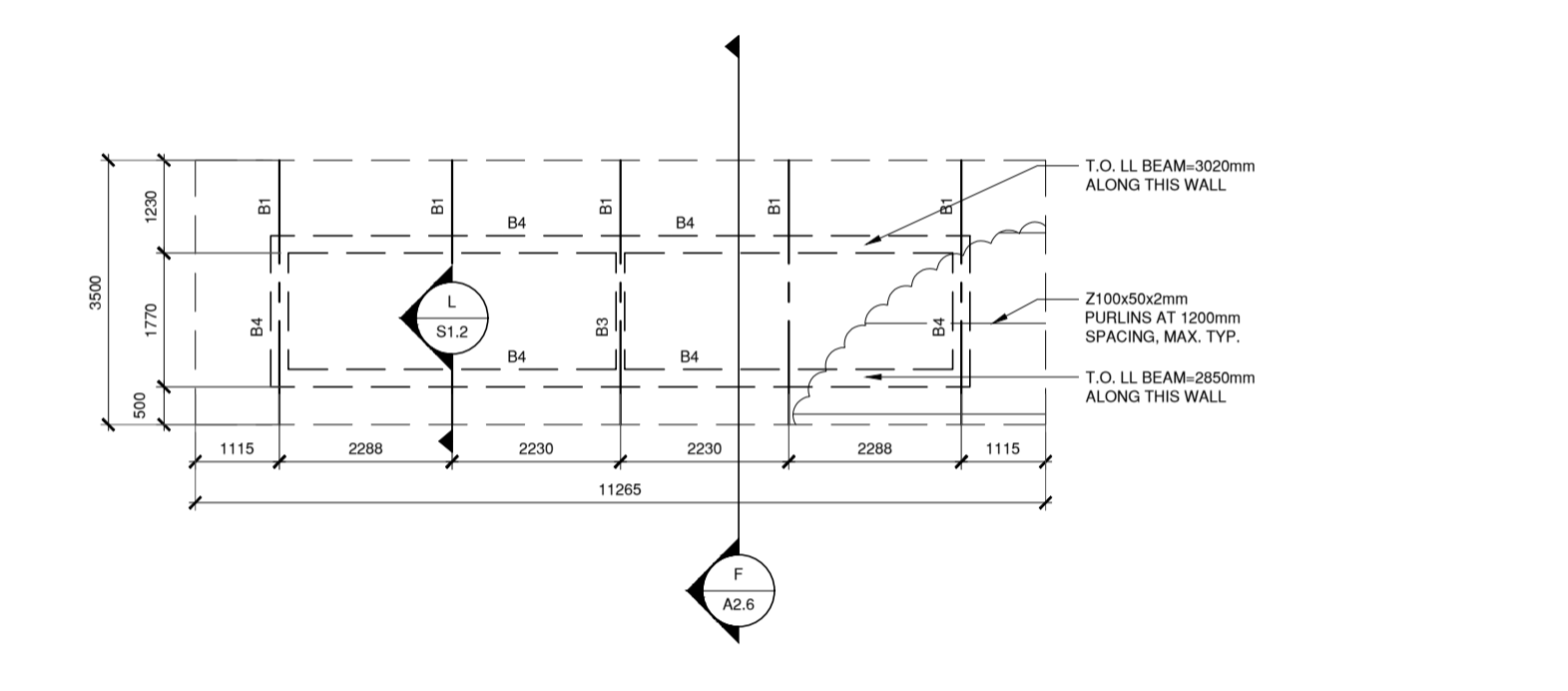
D LATRINE BLOCK FOUNDATION PLAN

S1.2 1:100



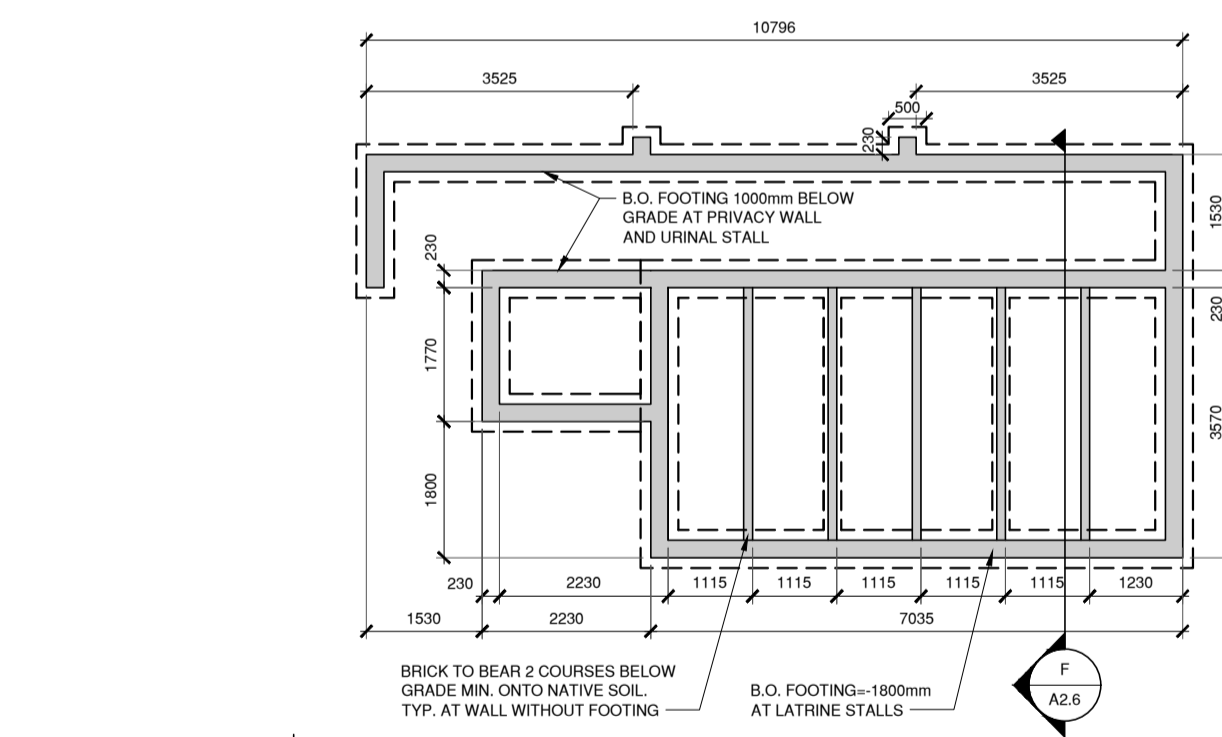
E LATRINE BLOCK FOUNDATION PLAN

S1.2 1:100



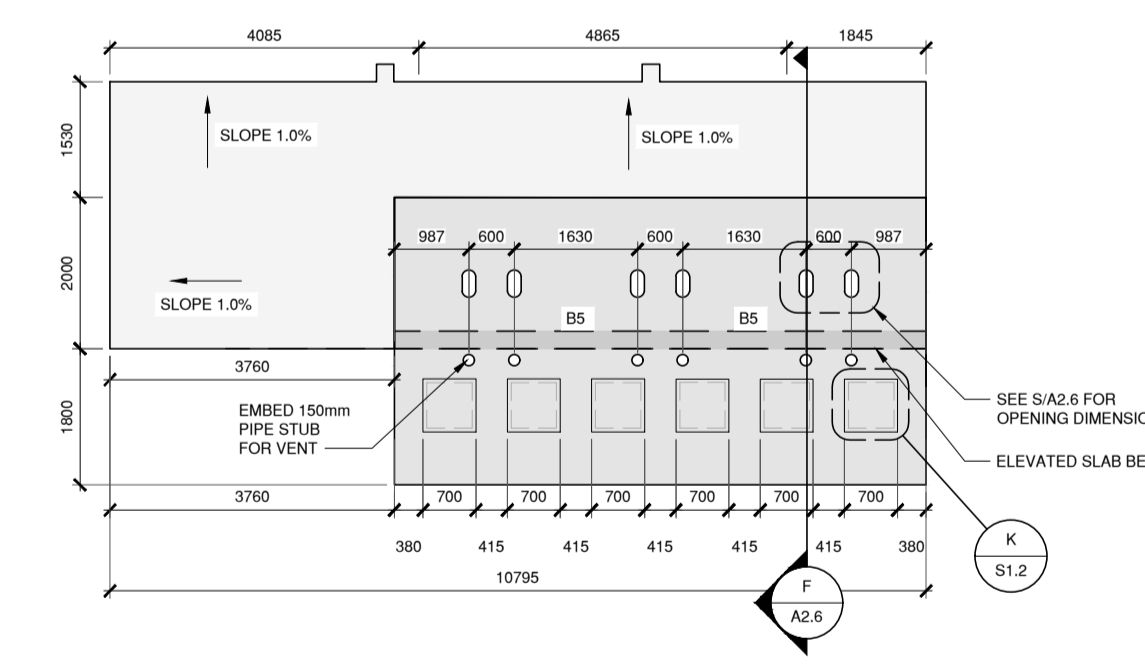
F LATRINE BLOCK FOUNDATION PLAN

S1.2 1:100



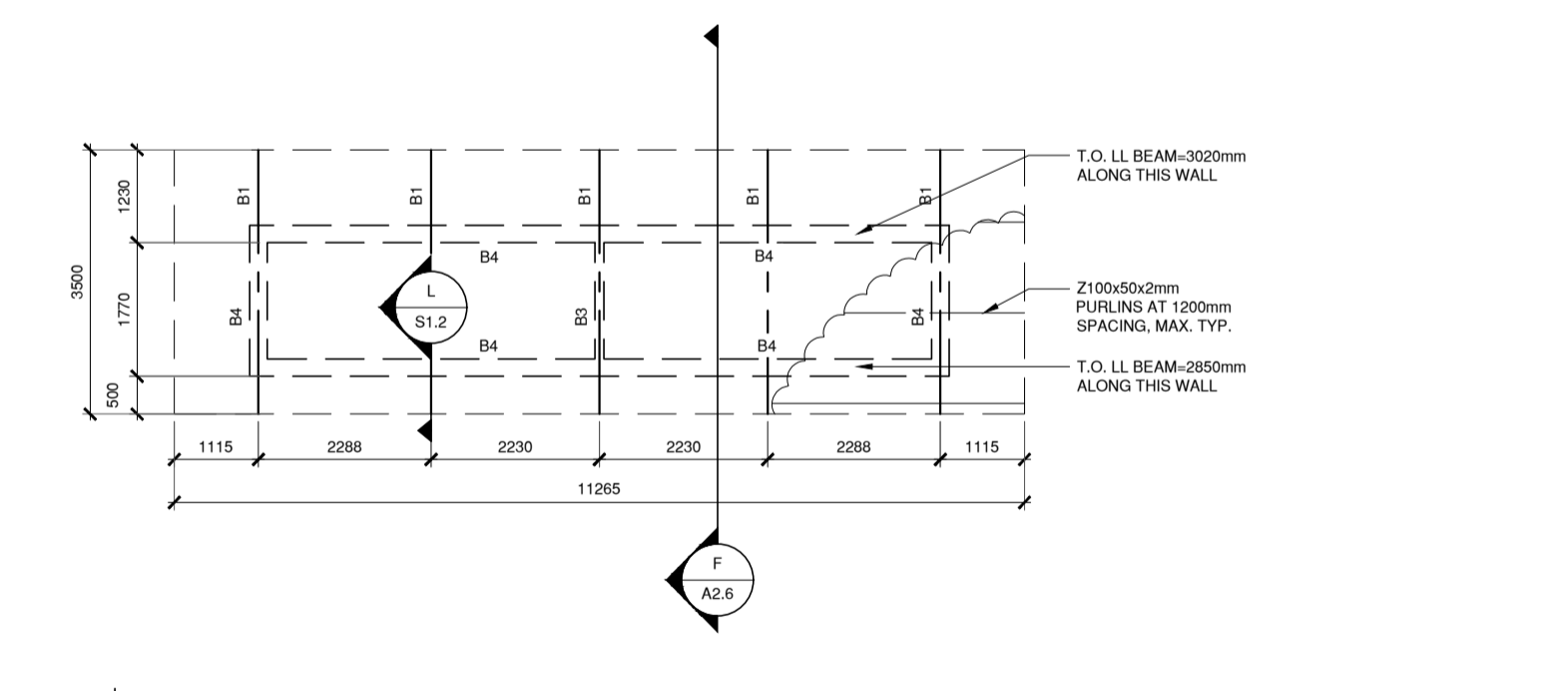
G LATRINE BLOCK FOUNDATION PLAN

S1.2 1:100



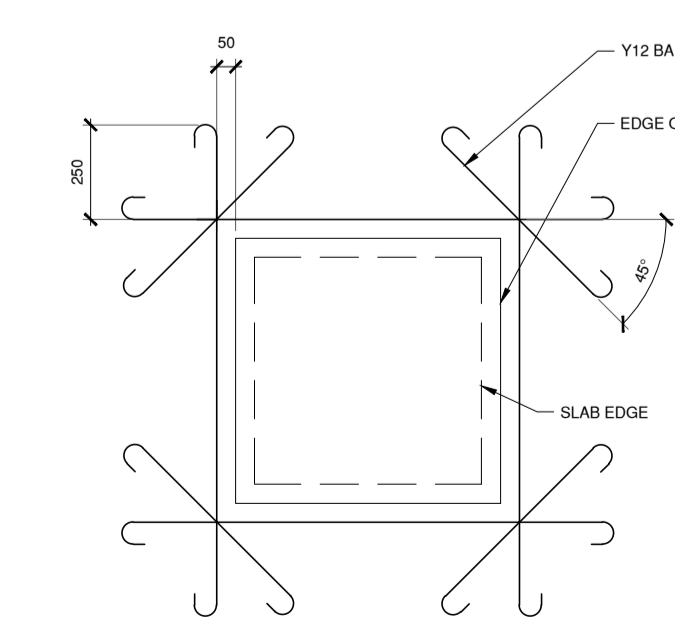
H LATRINE BLOCK FOUNDATION PLAN

S1.2 1:100



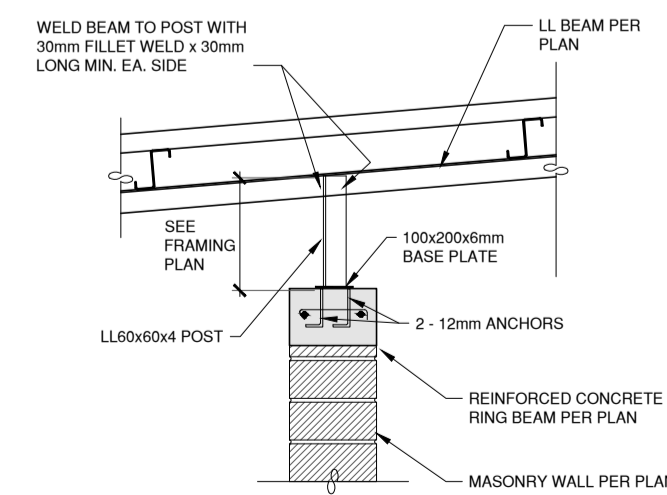
I LATRINE BLOCK FOUNDATION PLAN

S1.2 1:100



K HATCH REINFORCEMENT DETAIL

S1.2 1:20



L ROOF FRAMING DETAIL

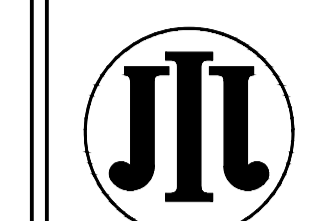
S1.2 1:20

DESIGN OFFICE:



Engineering Ministries International
P.O. BOX 3251
KAMPALA, UGANDA
info@emia.org

SUPERVISING ARCHITECT:



JERUSALEM INTERNATIONAL LTD
KOMAKECH STEPHEN
REG NO. 121
0772 544 450
KOMASTEVEN@YAHOO.COM

REV.	DATE	DESCRIPTION

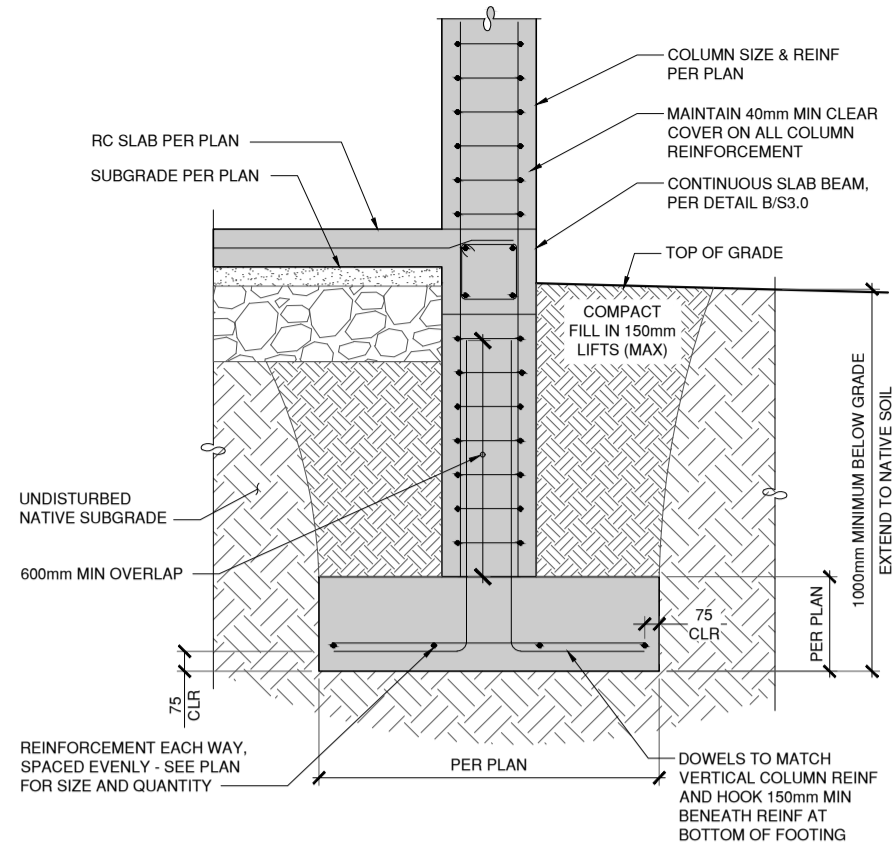
THE AMAZIMA PRIMARY SCHOOL
PHASE 1

LATRINE BLOCKS FOUNDATION PLAN, SLAB PLAN, AND ROOF FRAMING PLAN

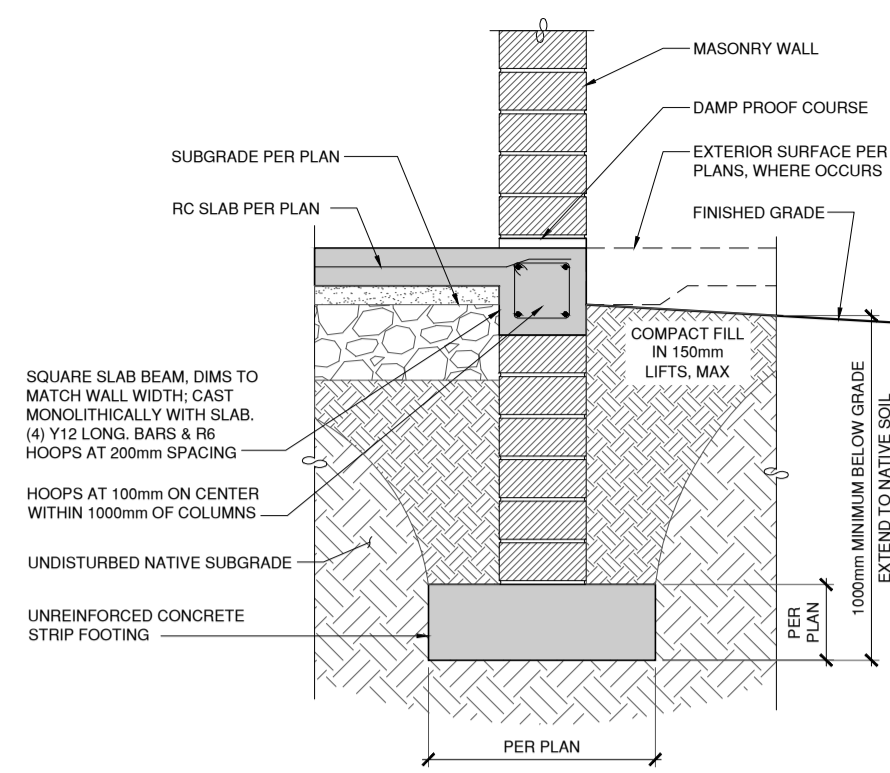
PROJECT: UG-0202	SHEET NUMBER
DATE ISSUED: DEC 2018	S1.2

ALL DIMENSIONS IN MM UNLESS OTHERWISE NOTED

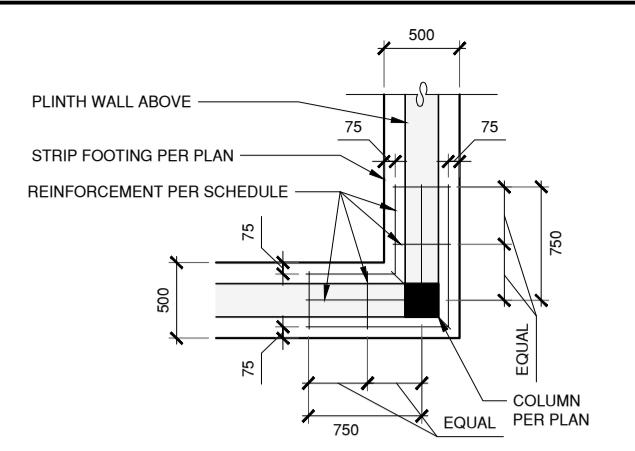
Project: Main_1_1 Dec 2018 - 10:05 AM
 Drawing: UG-0202-Phase 1-0200 - Amazima TAPS Ph.1 - LOD Drawing Structural-0202-S-SHEET-LATRINE.dwg



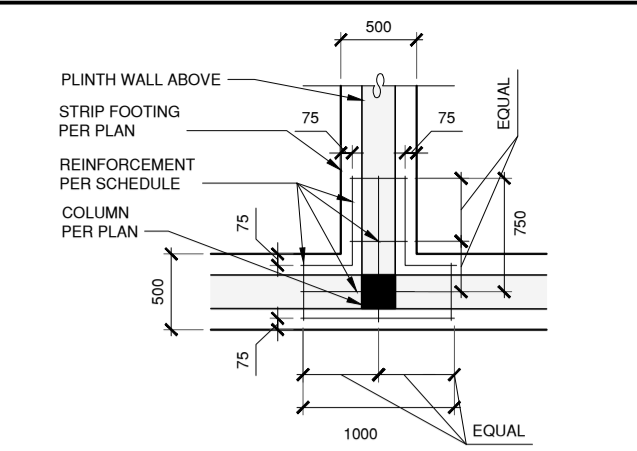
A BUILDING COLUMN FOOTING DETAIL
 S2.0 N.T.S.



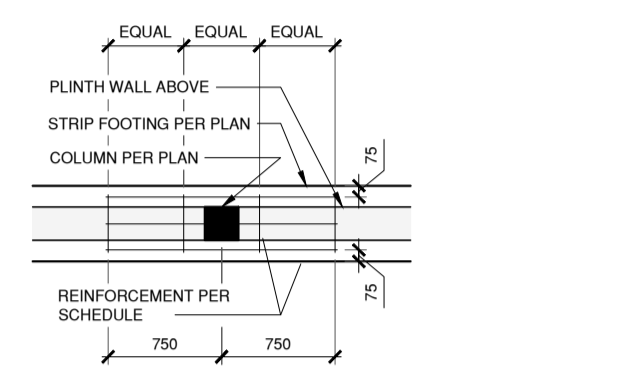
B EXTERIOR WALL FOOTING DETAIL
 S2.0 1:20



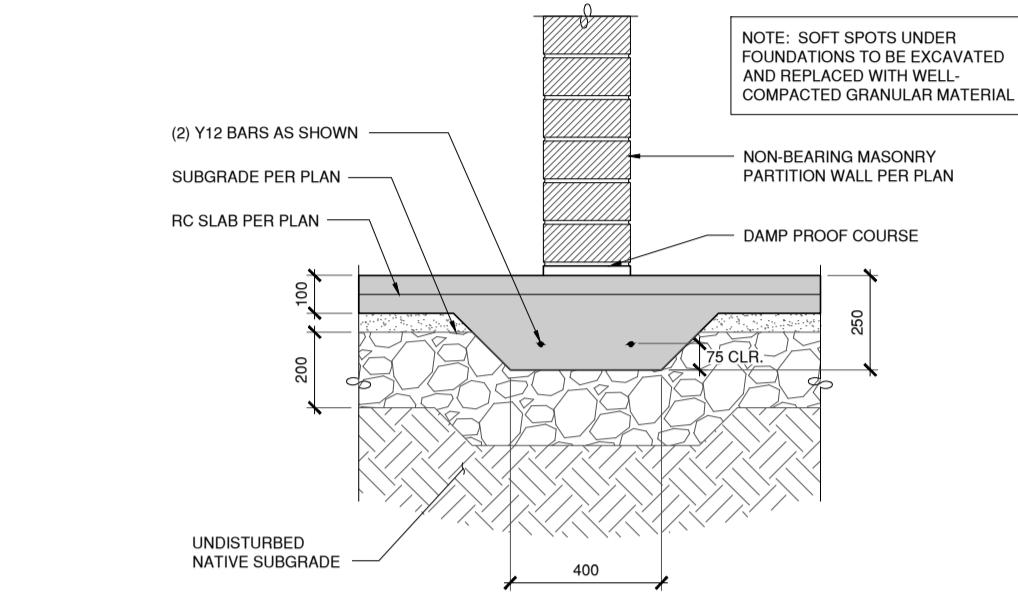
C-1 CORNER COLUMN FOUNDATION
 S2.0 N.T.S.



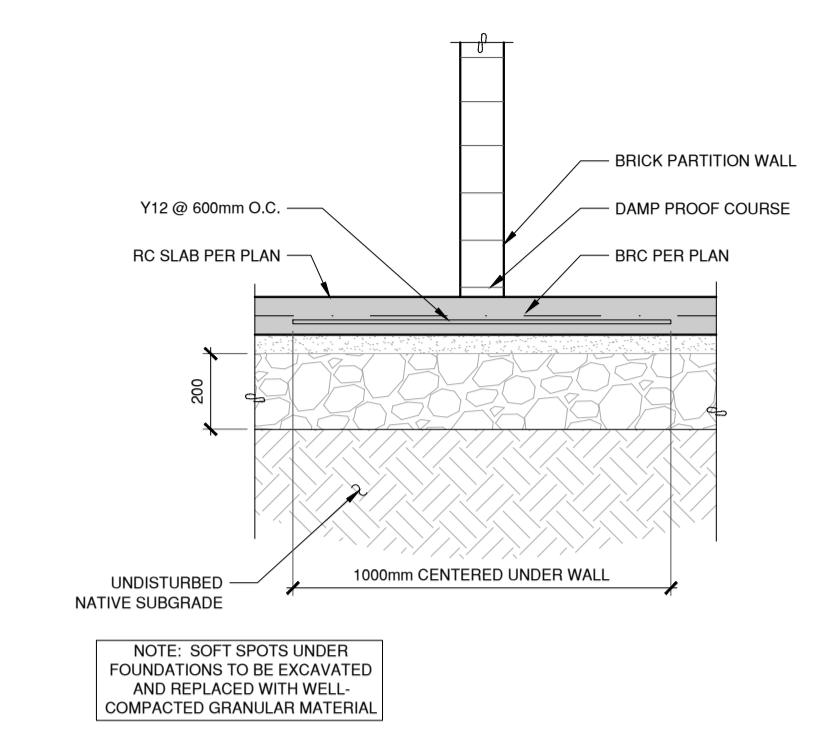
C-3 COLUMN FOUNDATION
 S2.0 N.T.S.



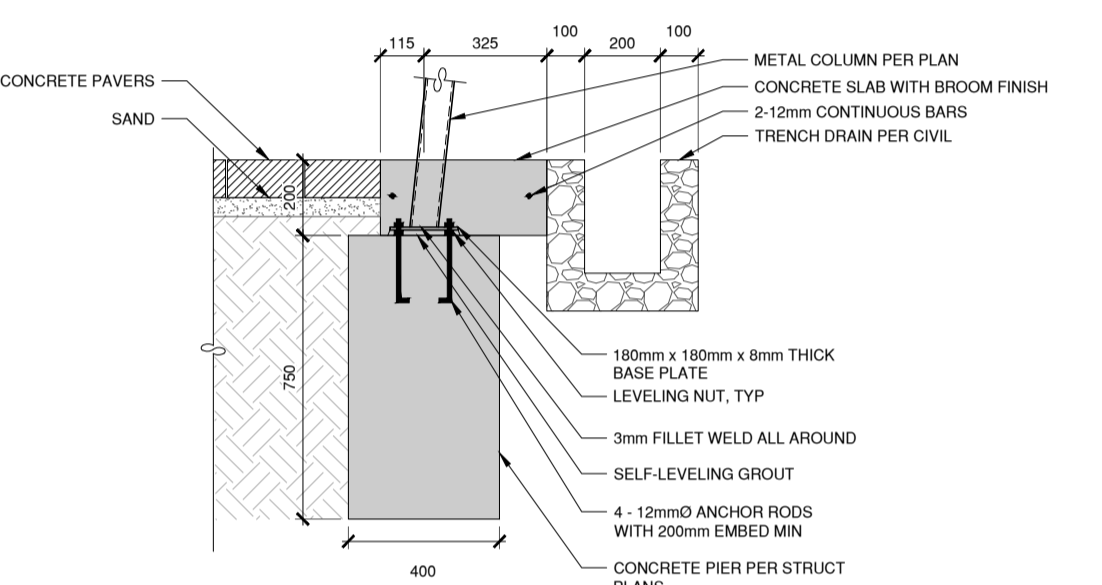
C-2 INTERIOR COLUMN FOUNDATION
 S2.0 N.T.S.



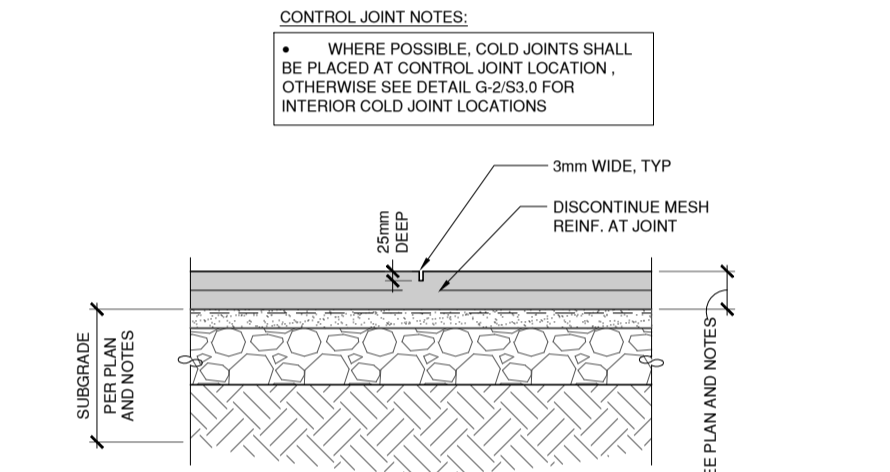
D THICKENED SLAB FOR HEADER-COURSE WALL
 S2.0 1:20



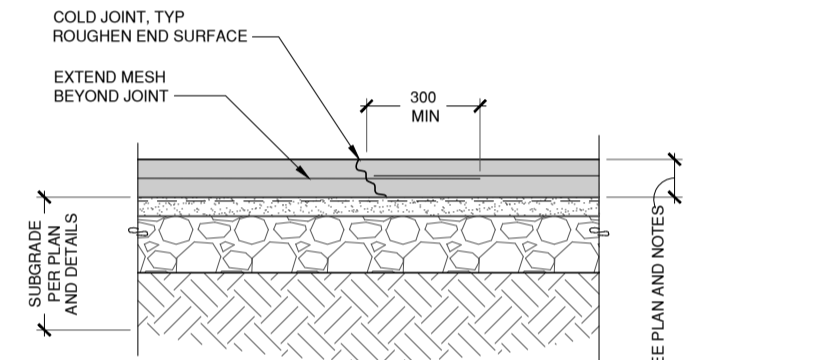
E REINFORCED SLAB FOR STRETCHER-COURSE WALL
 S2.0 1:20



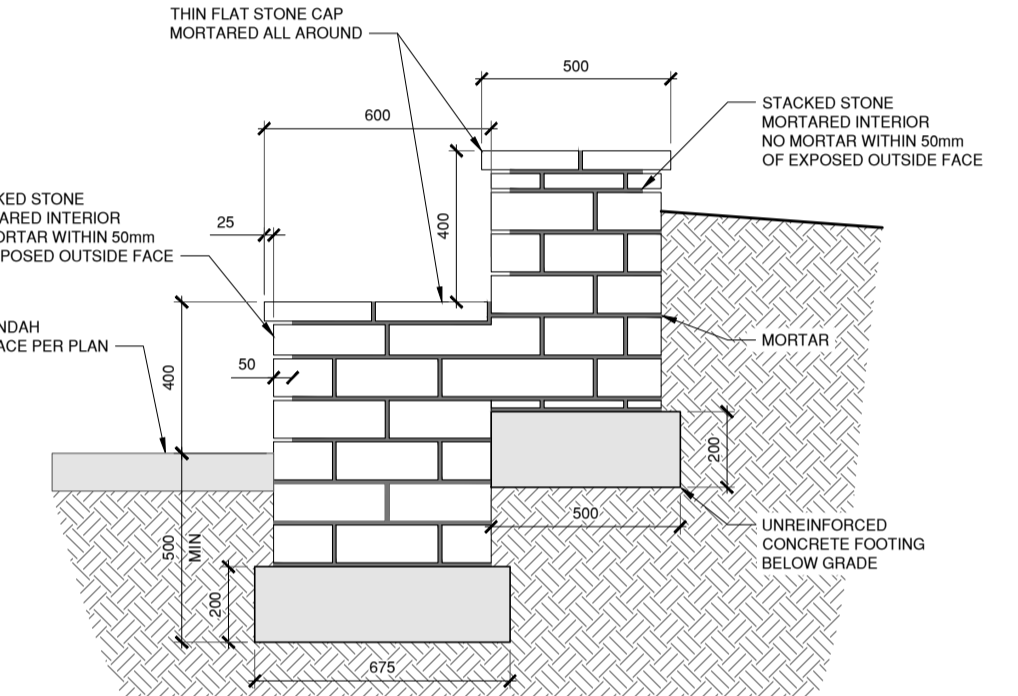
F PIER FOOTING DETAIL
 S2.0 1:20



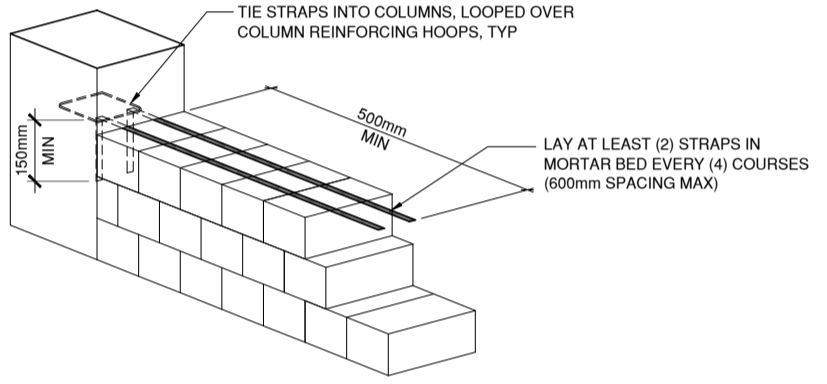
G-1 GROUND FLOOR SLAB CONTROL JOINT
 S2.0 1:20



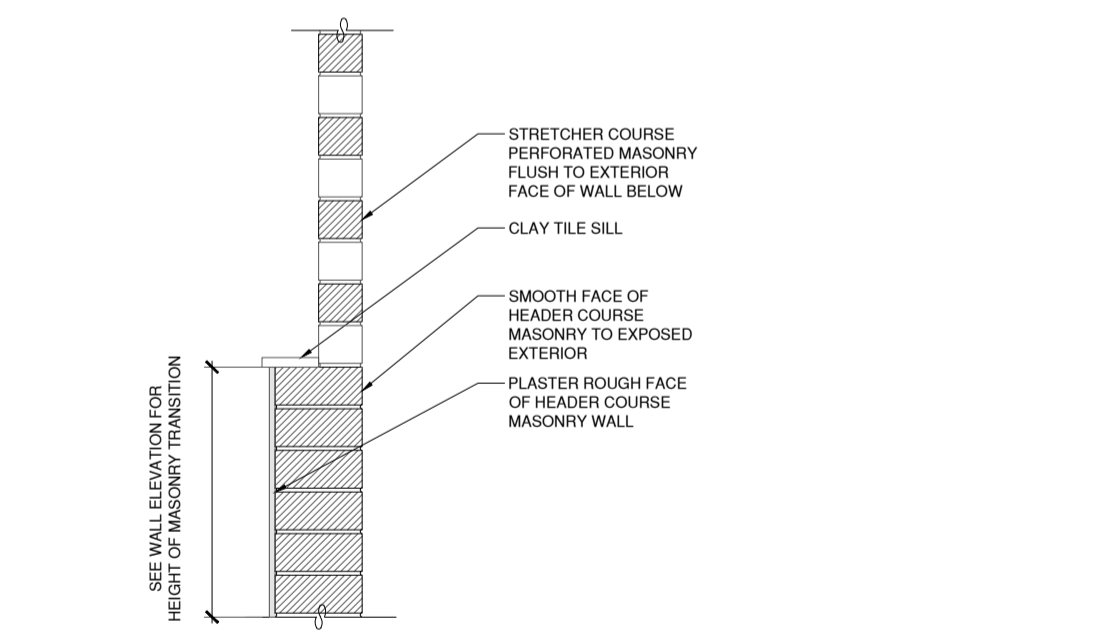
G-2 GROUND FLOOR SLAB COLD JOINT
 S2.0 1:20



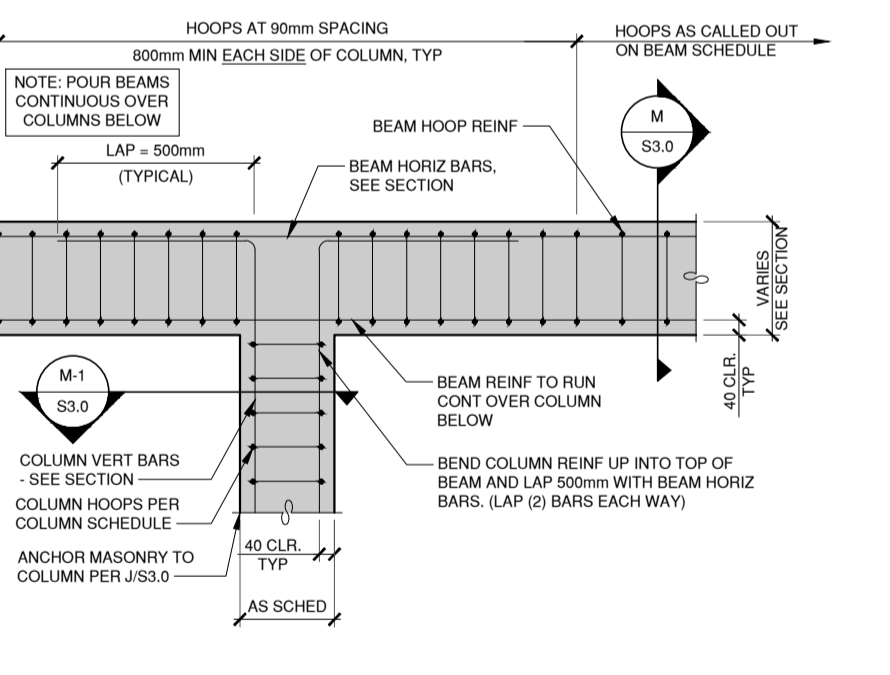
H TERRACE SEATING DETAIL
 S2.0 1:20



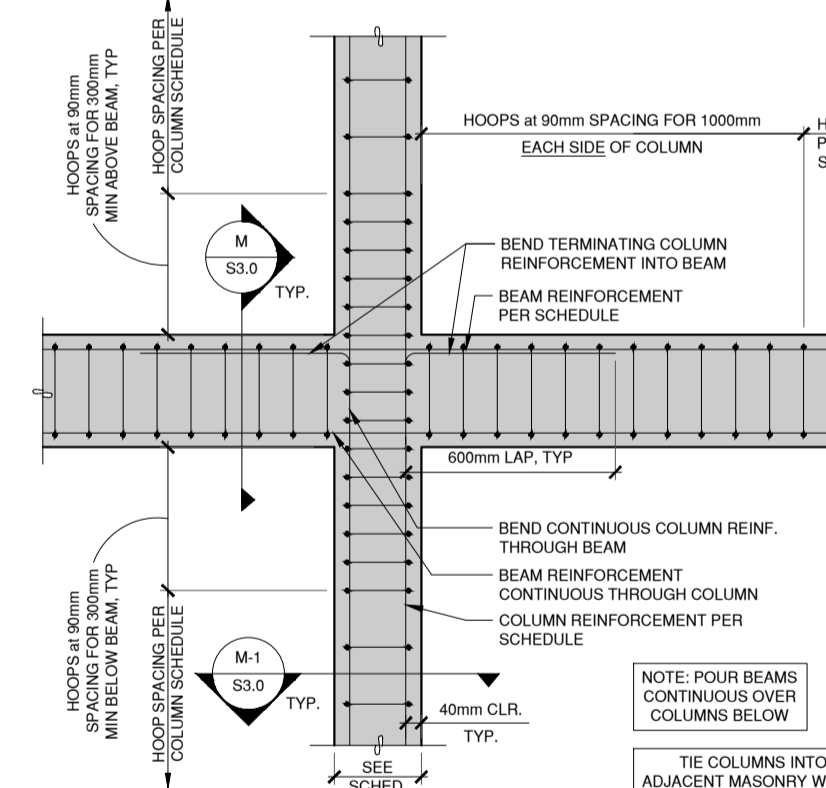
J STANDARD HORIZONTAL BRICK REINF.
 S2.0 N.T.S.



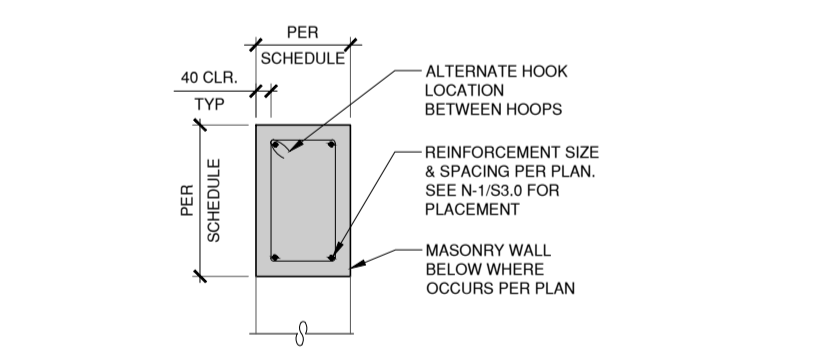
K MASONRY WALL DETAIL
 S2.0 N.T.S.



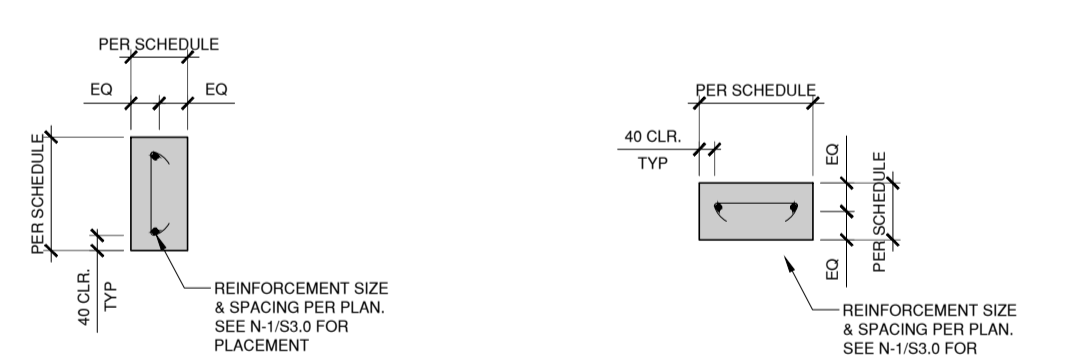
L-1 ELEVATION BEAM TO COLUMN DETAIL
 S2.0 N.T.S.



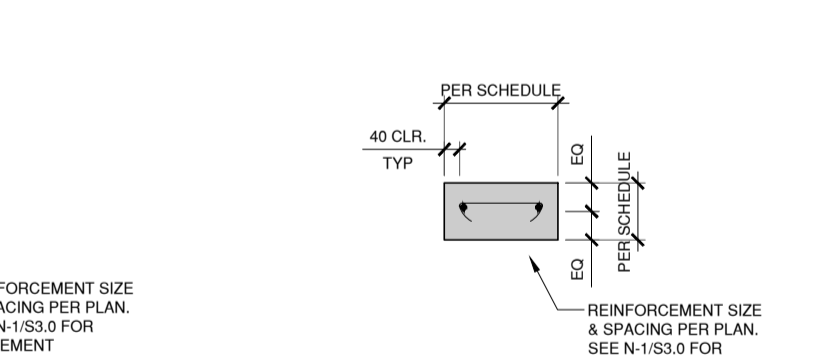
L-2 ELEVATION BEAM TO COLUMN DETAIL
 S2.0 N.T.S.



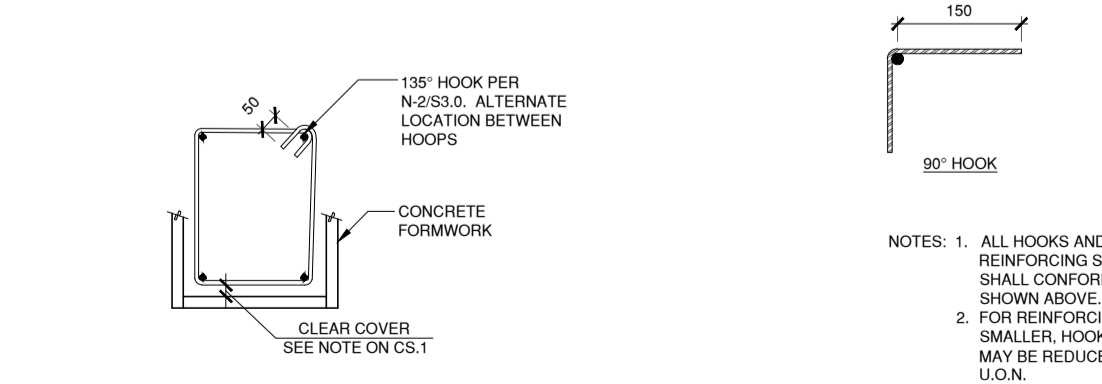
M-1 TYPICAL BEAM / COLUMN SECTION
 S2.0 N.T.S.



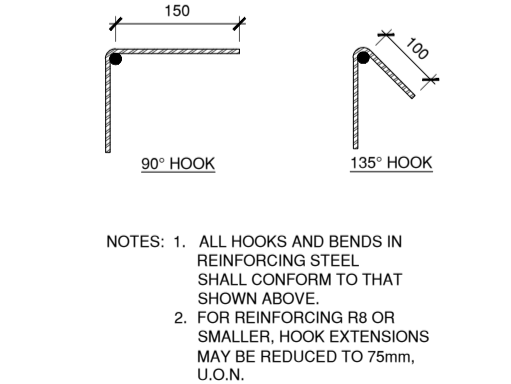
M-2 BEAM SECTION
 S2.0 N.T.S.



M-3 BEAM SECTION
 S2.0 N.T.S.



N-1 HOOP REINFORCING DETAIL
 S2.0 N.T.S.



N-2 HOOK REINFORCING DETAILS
 S2.0 N.T.S.

NOTES: 1. ALL HOOKS AND BENDS IN REINFORCING STEEL SHALL CONFORM TO THAT SHOWN ABOVE.
 2. FOR REINFORCING RB OR SMALLER, HOOK EXTENSIONS MAY BE REDUCED TO 75mm, U.O.N.

REV.	DATE	DESCRIPTION
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THE AMAZIMA PRIMARY SCHOOL
PHASE 1

DETAILS

PROJECT:	UG-0202	SHEET NUMBER
DATE ISSUED:	DEC 2018	S2.0

ALL DIMENSIONS IN MM UNLESS OTHERWISE NOTED

Phone: 011 4041 1111 | Fax: 011 4041 1112 | Email: info@emia.org | www.emia.org | P.O. Box 3251, Kampala, Uganda
 Design: 2018-01-01 | Drawing: 2018-01-01 | Scale: 1:1 | Project: 002 | Sheet: 05 of 05

NOTES

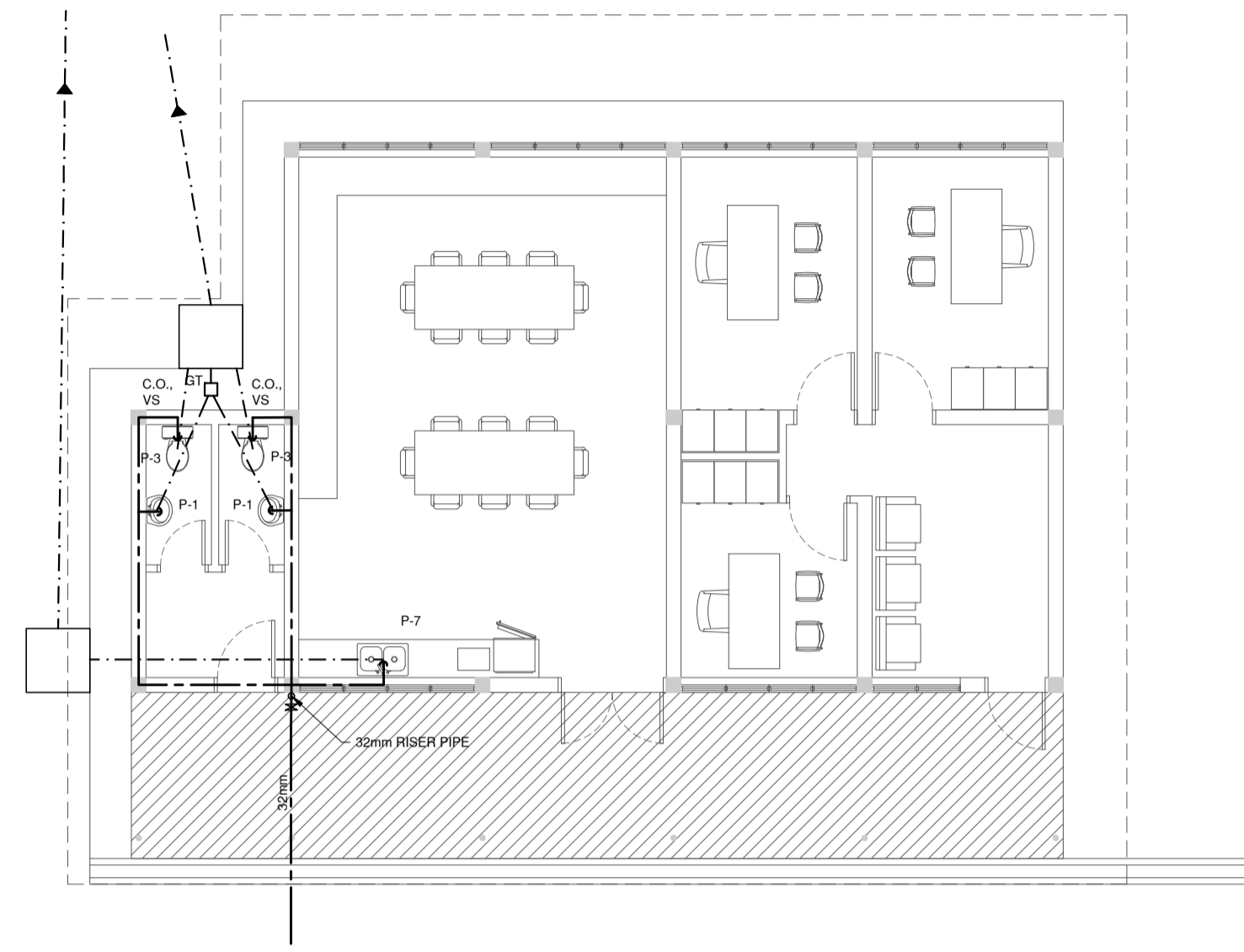
- SEE C1.2 FOR ROUTING OF WATER AND WASTEWATER LINES OUTSIDE OF THE BUILDING.
- SEE C1.2 FOR WASTEWATER JUNCTION BOX SCHEDULE.
- ALL WORK SHALL COMPLY WITH LOCAL LAWS AND ORDINANCES.
- COORDINATE ALL PIPE ROUTING TO AVOID CONFLICTS WITH STRUCTURAL MEMBERS.
- ALL WASTEWATER LINES INSIDE THE BUILDING AND BENEATH THE SLAB SHALL BE PNE PVC AND HAVE A MINIMUM SLOPE OF 2%.
- TRAPS, NOT SHOWN ON PLANS, TO BE INSTALLED AS REQUIRED FOR WASTEWATER LINES.
- ALL WATER LINES INSIDE THE BUILDING SHALL BE PN 6 PP-R. WATER LINE SIZES ARE AS FOLLOWS: 32mm INTERIOR RISER PIPE, 20mm INTERIOR CEILING PIPE, 20mm INTERIOR VERTICAL PIPE.
- PROVIDE GATE VALVE ON WATER LINES INTO BUILDING. VALVE TO BE LOCATED ON RISER PIPE 700mm ABOVE BUILDING FLOOR.

LEGEND

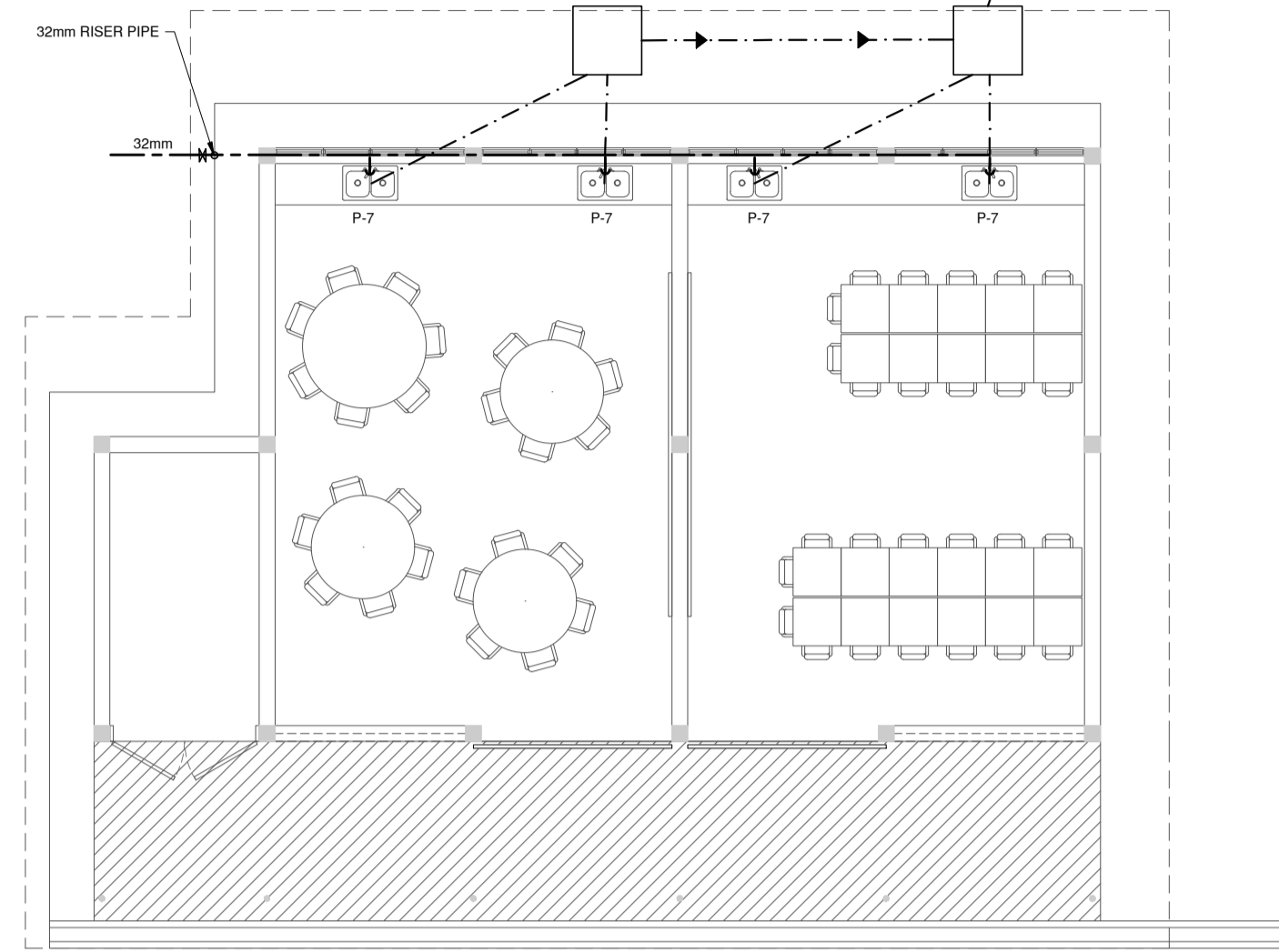
- WATER LINE
- - - WASTEWATER LINE
- WASTEWATER JUNCTION BOX
- TURN DOWN
- ↕ WATER RISER
- + VS VENT STACK
- C.O. CLEAN OUT
- ⊗ GATE VALVE
- GT GULLY TRAP

PLUMBING FIXTURE CONNECTION SCHEDULE

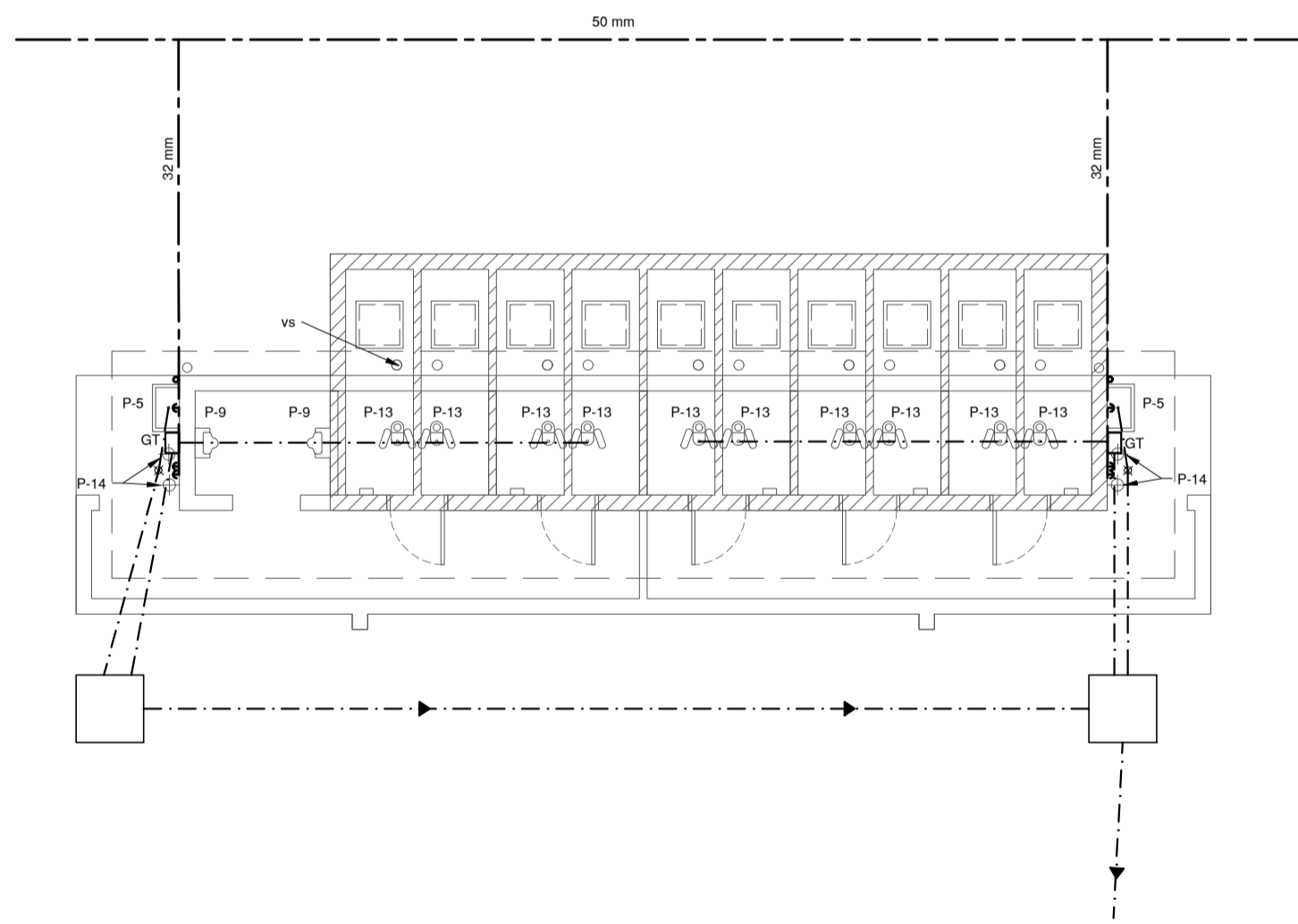
MARK	FIXTURE	WASTE PIPE (mm)	WATER PIPE (mm)	REMARKS
P-1	SINK	75	20	WALL MOUNTED
P-3	SEATED TOILET	110	25	WITH CISTERN
P-5	UTILITY SINK	75	20	
P-7	SINK	75	20	DOUBLE BASIN, CABINET MOUNTED
P-9	URINAL	75	N/A	WALL MOUNTED
P-13	SQUAT PAN	75	N/A	
P-14	TAP	75	20	WALL MOUNTED @ 600mm AFF WITH FLOOR DRAIN



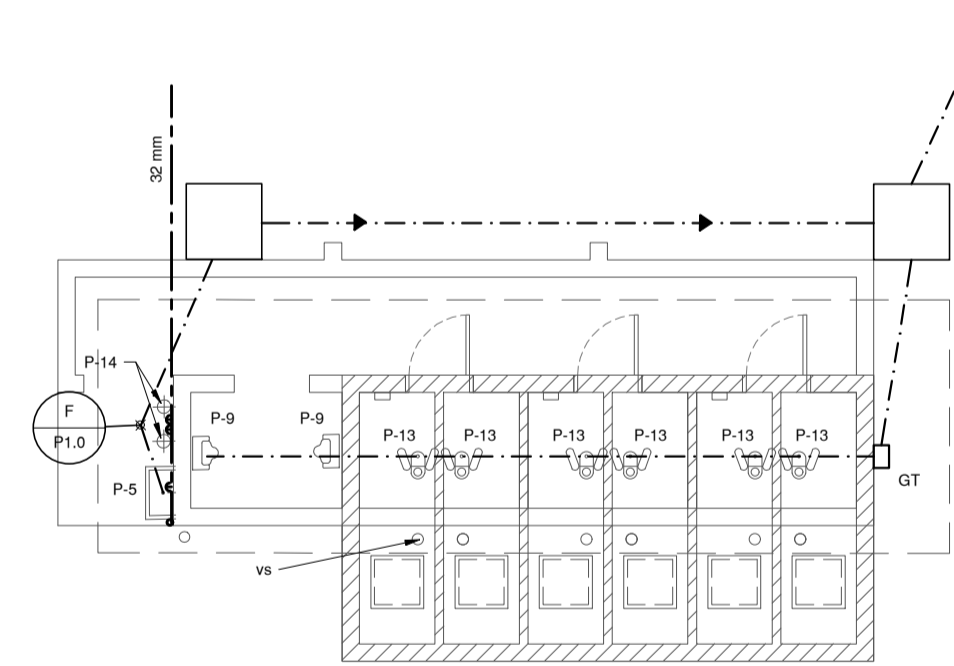
A ADMIN BUILDING
 P1.1 1:100



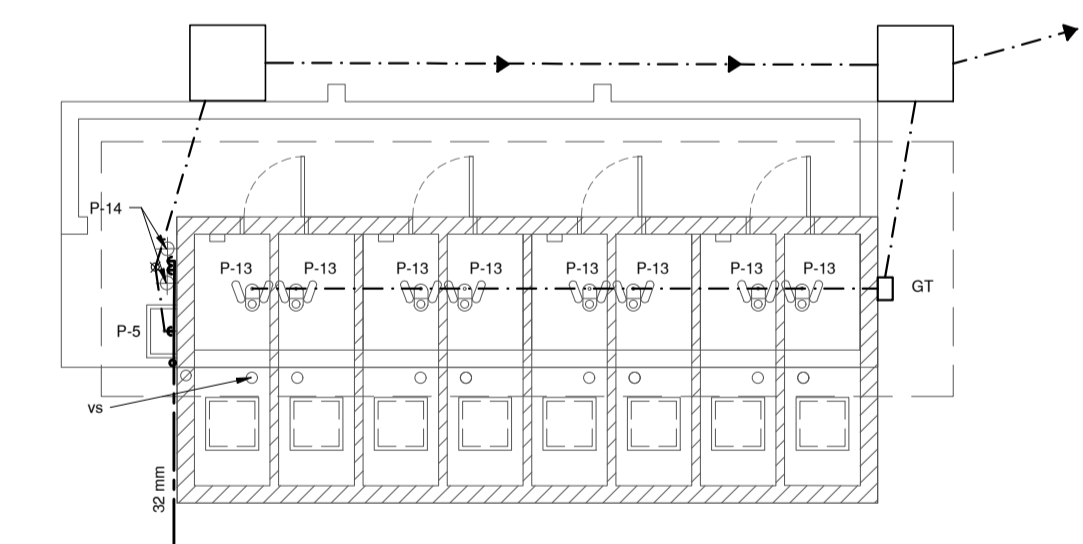
B ARTS AND SCIENCE SPECIALTY CLASSROOM
 P1.1 1:100



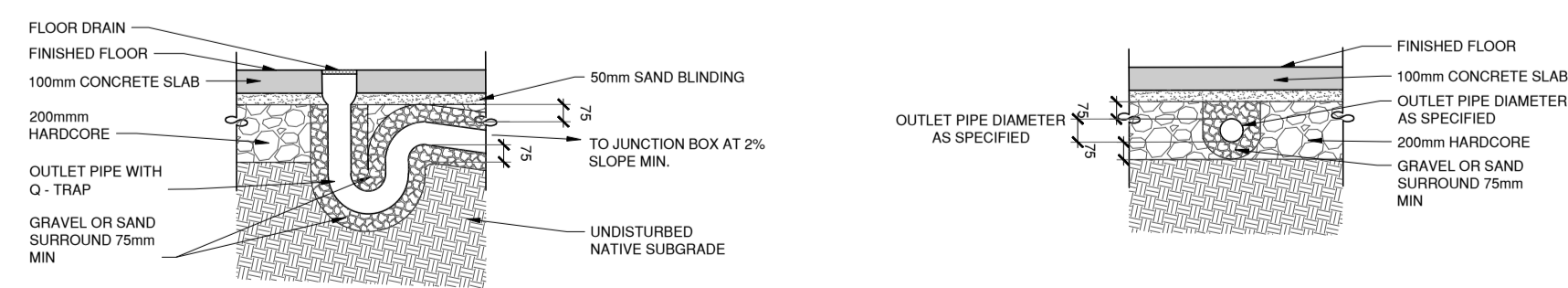
C LATRINE BLOCK (BUILDING F)
 P1.1 1:100



D BOYS LATRINE BLOCK (BUILDING G)
 P1.1 1:100



E GIRLS LATRINE BLOCK (BUILDING H)
 P1.1 1:100



F FLOOR DRAIN DETAIL
 P1.1 1:30

REV.	DATE	DESCRIPTION

THE AMAZIMA PRIMARY SCHOOL
PHASE 1

PLUMBING PLAN