

HEALTH SYSTEM ENHANCEMENT PROJECT

TENDER DRAWINGS

Province : Central
District : Kandy
Hospital/PMCU : Central Clinic at Galagedara



MINISTRY OF HEALTH
ADB FUNDED HEALTH SYSTEM ENHANCEMENT PROJECT (HSEP)





RESOURCES DEVELOPMENT CONSULTANTS (PVT) LTD.
NO.55-2/1, GALLE ROAD, COLOMBO 03.

ARCHITECTURAL DRAWINGS FOR HEALTH SYSTEMS ENHANCEMENT PROJECT

CENTRAL CLINIC AT GALAGEDARA M.O.H OFFICE
KANDY DISTRICT
CENTRAL PROVINCE

PROPOSED WAITING AREA EXTENSION AND TOILET BLOCK




Archt. K. SAMARAWICKRAMA; AIA(SL)
CHARTERED ARCHITECT
REGISTRATION No. CA17380
ARCHITECTS REGISTRATION BOARD
GAZETTE REF. No: 2211/46 of 20.01.2021

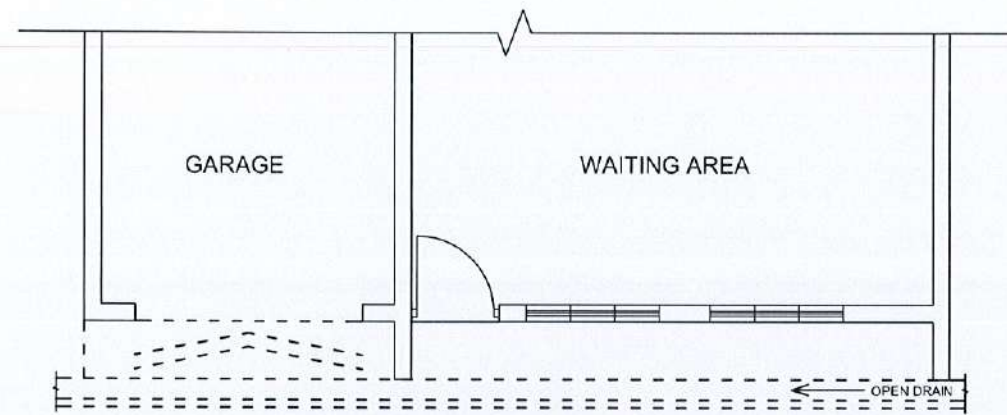
 MINISTRY OF HEALTH  ADB FUNDED HEALTH SYSTEM ENHANCEMENT PROJECT(HSEP)	DESIGN AND SUPERVISION CONSULTANCY FOR INFRASTRUCTURE DEVELOPMENT REP NO.: HSEP/PMU/PROS1/05/2018	RDC RESOURCE DEVELOPMENT CONSULTANTS (Pvt) Ltd. No- 55 , 2/1 , Galle Road , Colombo 03.		REV.	DESCRIPTION	DATE
	CENTRAL CLINIC AT GALAGEDARA M.O.H OFFICE, KANDY DISTRICT , CENTRAL PROVINCE	DRAWING TITLE TITLE PAGE DRG. NO RDC / HSEP / CTRL / KDY / GLG / AR-01 SCALE DATE 17/05/2022	DESIGNED & CHECKED BY KS DRAWN BY DS SHEET NO 001			

#	DRAWING NUMBER	DRAWING TITLE	SCALE
01	RDC / HSEP / CTRL / KDY / GLG / AR-01	TITLE PAGE	-
02	RDC / HSEP / CTRL / KDY / GLG / AR-02	SCHEDULE OF DRAWINGS	-
03	RDC / HSEP / CTRL / KDY / GLG / AR-03	EXTENSION PLANS	1:100
04	RDC / HSEP / CTRL / KDY / GLG / AR-04	DETAILS OF NEW WAITING AREA	1:100
05	RDC / HSEP / CTRL / KDY / GLG / AR-05	NEW PATIENTS' TOILET DETAILS	1:50

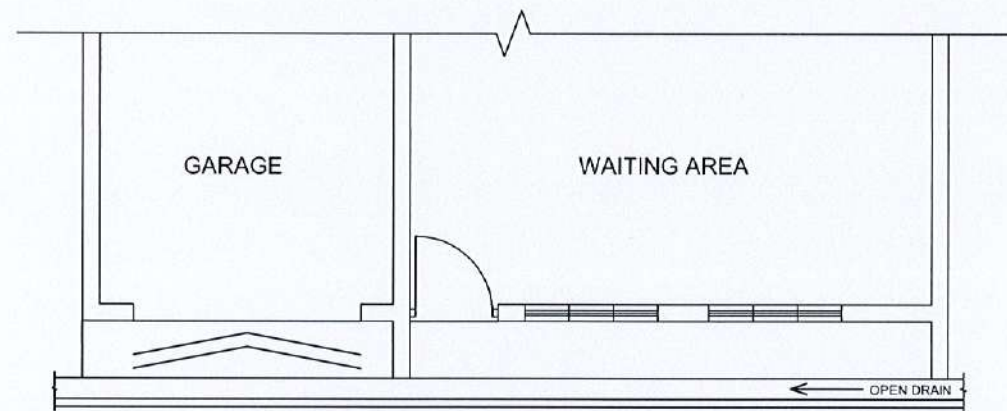


Archt. K. SAMARAWICKRAMA; AIA(SL)
 CHARTERED ARCHITECT
 REGISTRATION No. CA17380
 ARCHITECTS REGISTRATION BOARD
 GAZETTE REF. No: 2211/46 of 20.01.2021

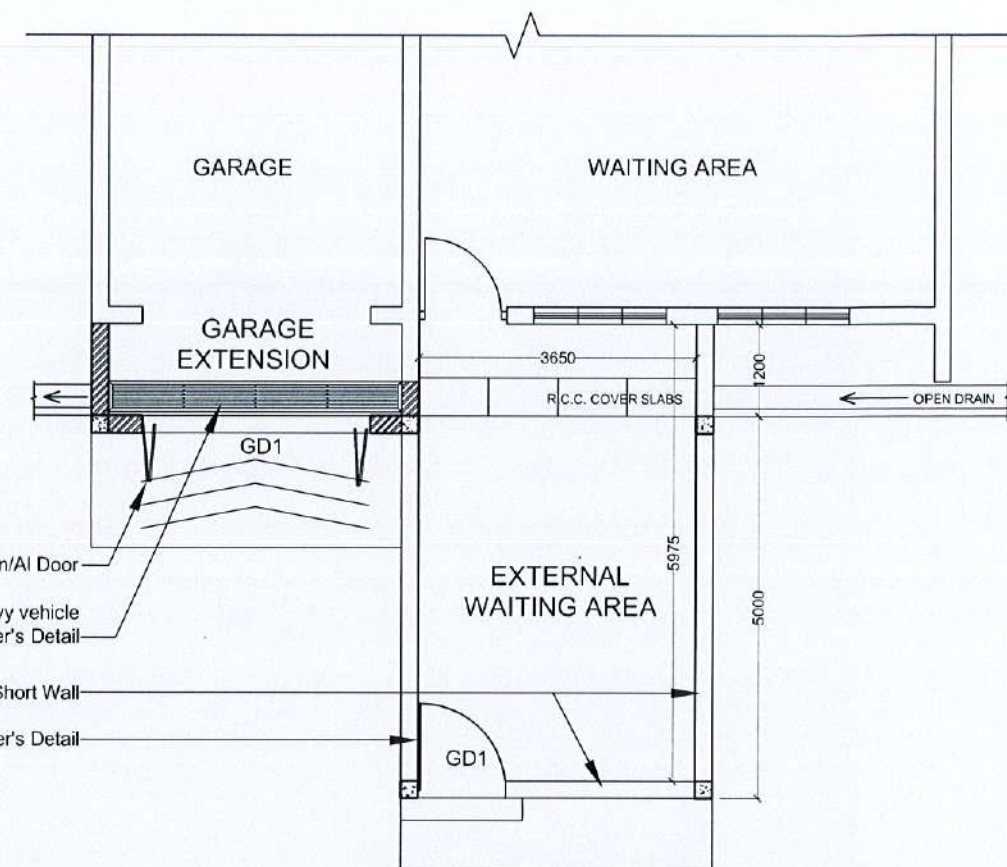
 MINISTRY OF HEALTH  ADB FUNDED HEALTH SYSTEM ENHANCEMENT PROJECT(HSEP)	DESIGN AND SUPERVISION CONSULTANCY FOR INFRASTRUCTURE DEVELOPMENT REP NO.: HSEP/PMU/PROS1/05/2018	RDC RESOURCE DEVELOPMENT CONSULTANTS (Pvt) Ltd. No- 55 . 2/1 , Galle Road , Colombo 03.			REV.	DESCRIPTION	DATE
	CENTRAL CLINIC AT GALAGEDARA M.O.H OFFICE, KANDY DISTRICT , CENTRAL PROVINCE	DRAWING TITLE SCHEDULE OF DRAWINGS DRG. NO RDC / HSEP / CTRL / KDY / GLG / AR-02 SCALE DATE 17/05/2022	DESIGNED & CHECKED BY KS DRAWN BY DS				



DEMOLITION PLAN



EXISTING PLAN



EXTENSION PLAN

EXTENSION PLANS


Archt. K. SAMARAWICKRAMA, AIA(SL)
 CHARTERED ARCHITECT
 REGISTRATION No. CA17380
 ARCHITECTS REGISTRATION BOARD
 GAZETTE REF. No: 2211/46 of 20.01.2021

KEY:

----- = DEMOLITION
 ————— = NEW CONSTRUCTION



MINISTRY OF HEALTH

**DESIGN AND SUPERVISION CONSULTANCY
 FOR INFRASTRUCTURE DEVELOPMENT
 REP NO.: HSEP/PMU/PROS1/05/2018**

**CENTRAL CLINIC AT GALAGEDARA M.O.H OFFICE,
 KANDY DISTRICT , CENTRAL PROVINCE**

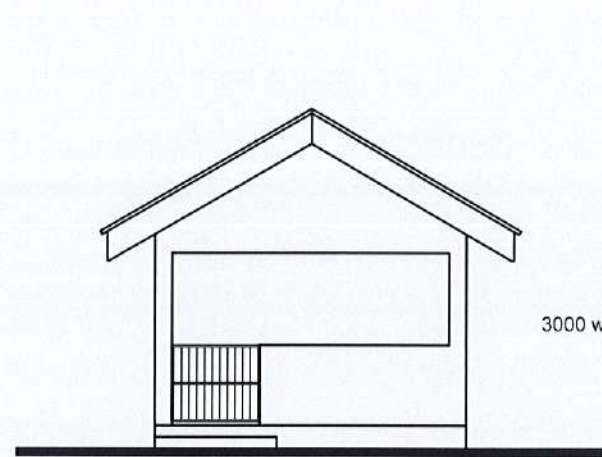


RESOURCE DEVELOPMENT CONSULTANTS (Pvt) Ltd.
 No- 55 , 2/1 , Galle Road , Colombo 03.

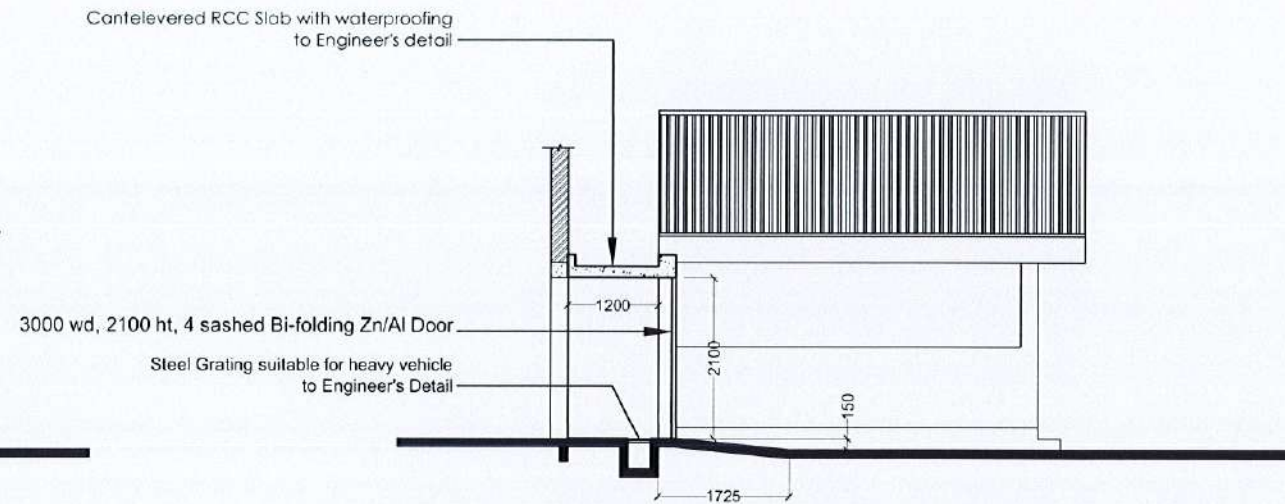
DRAWING TITLE	EXTENSION PLANS		DESIGNED & CHECKED BY
DRG. NO	RDC / HSEP / CTRL / KDY / GLG / AR-03		KS
SCALE	DATE	SHEET NO	DRAWN BY
1:100	17/05/2022	002	DC

REV.	DESCRIPTION	DATE

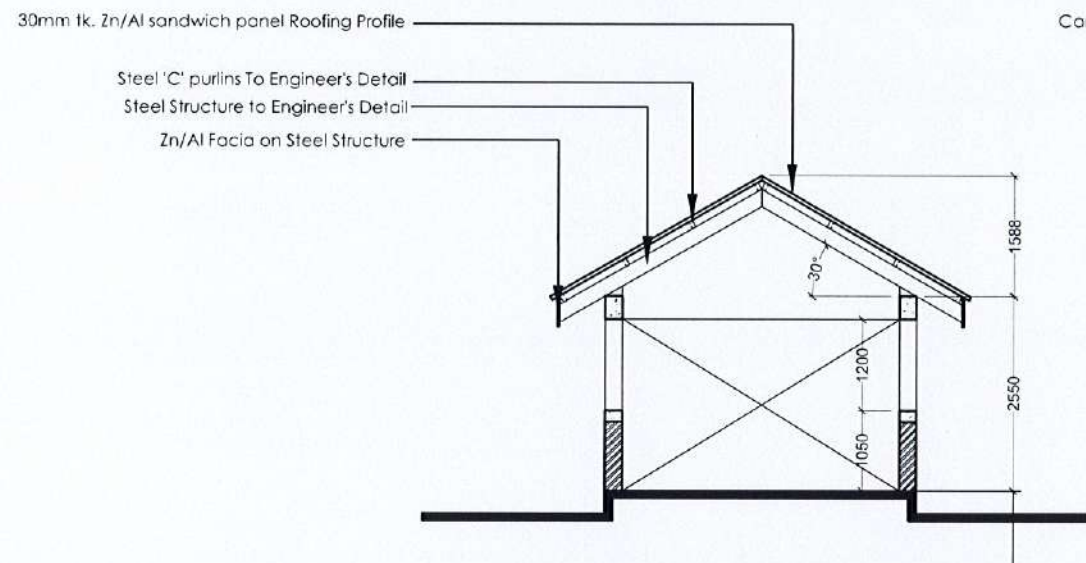
ADB FUNDED
 HEALTH SYSTEM ENHANCEMENT PROJECT(HSEP)



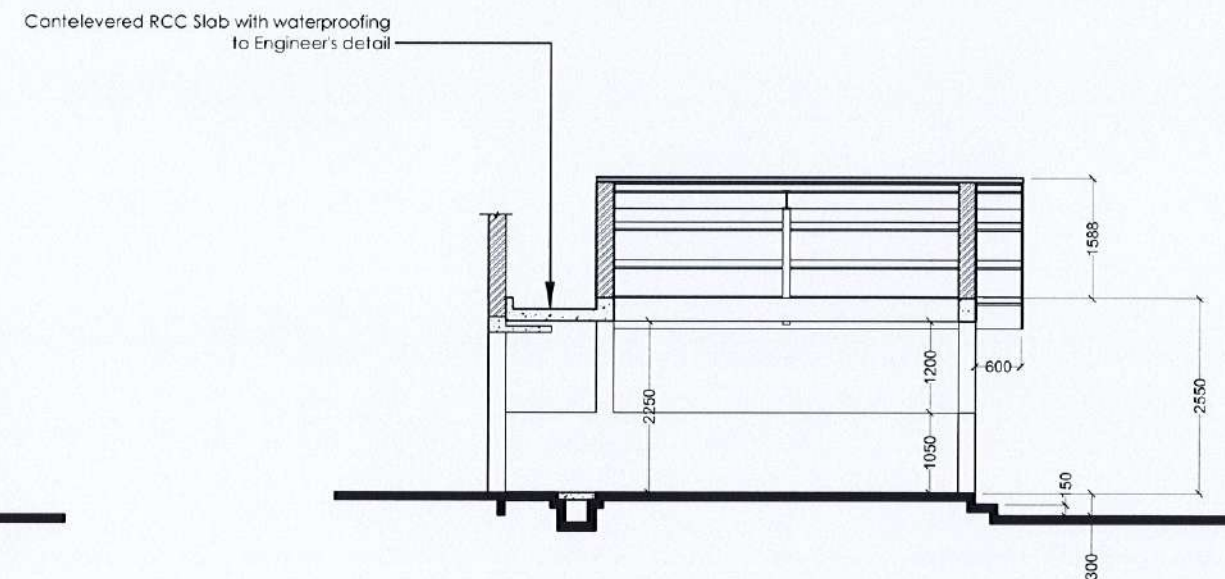
FRONT ELEVATION



SECTIONAL ELEVATION THROUGH GARAGE



TYPICAL CROSS SECTION



LONGITUDINAL SECTION

DETAILS OF NEW WAITING AREA

[Signature]
Arch. K. SAMARAWICKRAMA; AIA(SL)
 CHARTERED ARCHITECT
 REGISTRATION No. CA17380
 ARCHITECTS REGISTRATION BOARD
 GAZETTE REF. No: 2211/46 of 20.01.2021

KEY:

----- = DEMOLITION
 ————— = NEW CONSTRUCTION



MINISTRY OF HEALTH

**DESIGN AND SUPERVISION CONSULTANCY
 FOR INFRASTRUCTURE DEVELOPMENT**
 REP NO.: HSEP/PMU/PROS1/05/2018

**CENTRAL CLINIC AT GALAGEDARA M.O.H OFFICE,
 KANDY DISTRICT, CENTRAL PROVINCE**

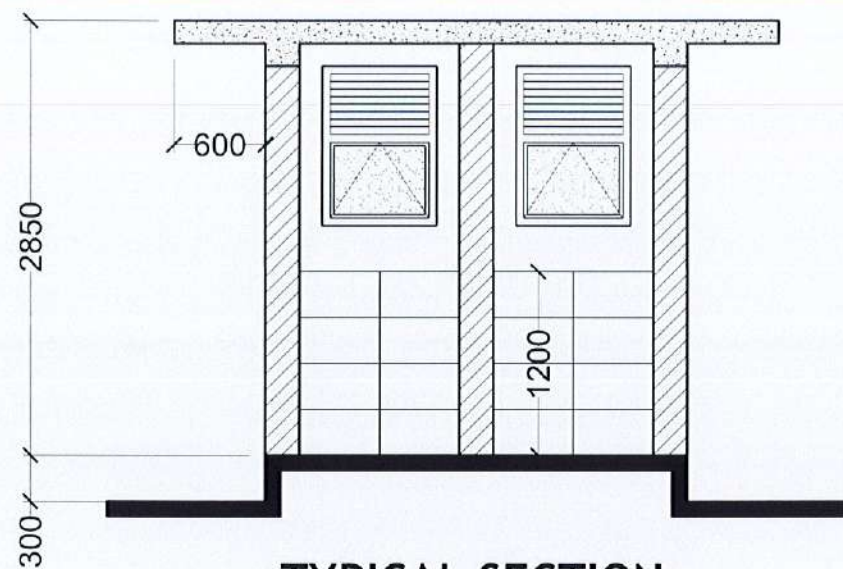


RESOURCE DEVELOPMENT CONSULTANTS (Pvt) Ltd.
 No- 55, 2/1, Galle Road, Colombo 03.

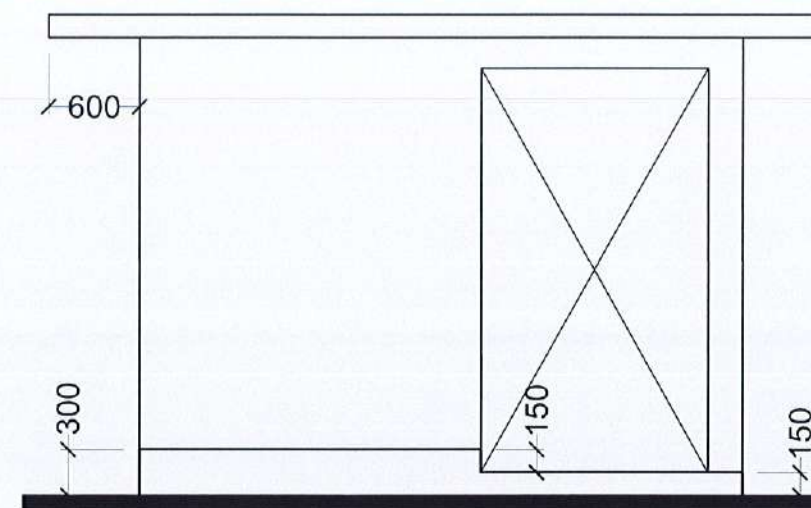
DRAWING TITLE	DETAILS OF NEW WAITING AREA		DESIGNED & CHECKED BY
DRG. NO	RDC / HSEP / CTRL / KDY / GLG / AR-04		KS
SCALE	DATE	SHEET NO	DRAWN BY
1:100	17/05/2022	004	DS

REV.	DESCRIPTION	DATE

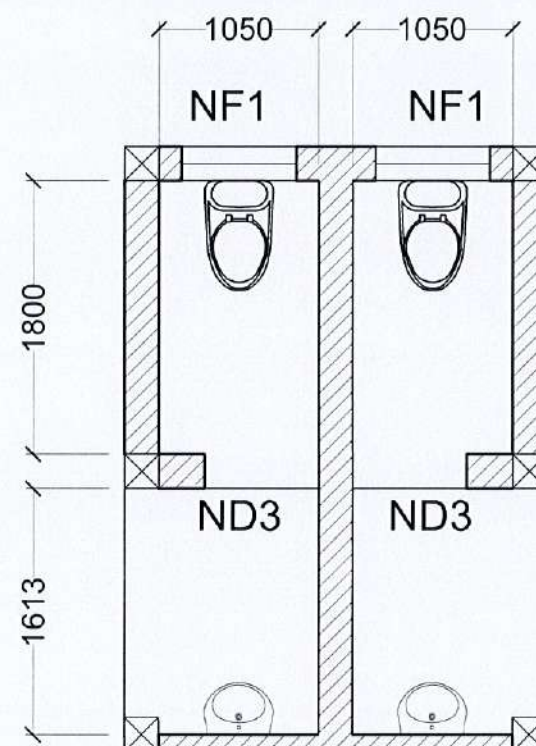
ADB FUNDED
 HEALTH SYSTEM ENHANCEMENT PROJECT(HSEP)



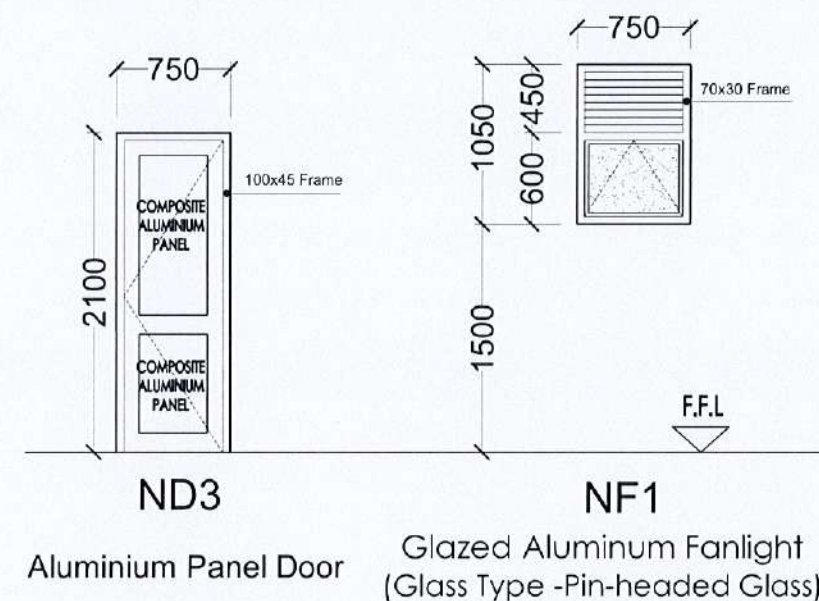
TYPICAL SECTION



SIDE ELEVATION



PLAN



NEW PATIENTS' TOILET DETAILS

Scale 1:50

Note:

- Contractor Must Submit Shop Drawings for All Doors and Windows For Consultant's Approval Before Commencement of any Work.
- Thickness of All Tempered Glass Doors and Windows Should be 12mm
- Glass type for all glazed aluminium Doors and Windows Should be 6mm tk Clear Glass
- Glass type for Fanlights (type 'F1' & 'F2') should be 5mm tk 'Pinheaded' or Frosted Glass.
- All Composite Aluminum Panels should be both side coloured (colour to be decided by Architect)

Arch. K. SAMARAWICKRAMA; AIA(SL)
CHARTERED ARCHITECT
REGISTRATION No. CA17380
ARCHITECTS REGISTRATION BOARD
GAZETTE REF. No: 2211/46 of 20.01.2021



MINISTRY OF HEALTH

**DESIGN AND SUPERVISION CONSULTANCY
FOR INFRASTRUCTURE DEVELOPMENT**
REP NO.: HSEP/PMU/PROS1/05/2018

**CENTRAL CLINIC AT GALAGEDARA M.O.H OFFICE,
KANDY DISTRICT, CENTRAL PROVINCE**



RESOURCE DEVELOPMENT CONSULTANTS (Pvt) Ltd.
No- 55, 2/1, Galle Road, Colombo 03.

DRAWING TITLE	NEW PATIENTS' TOILET DETAILS		DESIGNED & CHECKED BY
DRG. NO	RDC / HSEP / CTRL / KDY / GLG / AR-05		KS
SCALE	DATE	SHEET NO	DRAWN BY
1:50	17/05/2022	005	DC

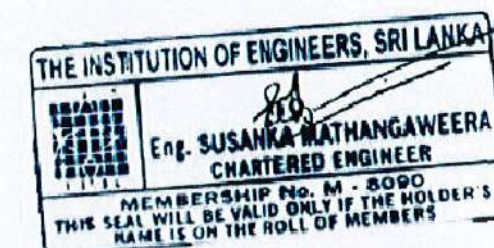
REV.	DESCRIPTION	DATE



ADB FUNDED
HEALTH SYSTEM ENHANCEMENT PROJECT(HSEP)

HEALTH SYSTEM ENHANCEMENT PROJECT(HSEP) CENTRAL CLINIC AT GALAGEDARA, KANDY DISTRICT CENTRAL PROVINCE

STRUCTURAL LIST OF DRAWINGS		
DRAWING NO.	DRAWING TITLE	REV.
S00	COVER SHEET & LIST OF DRAWINGS	00
S01	GENERAL NOTES	00
S02	TYPICAL DETAILS	00
S03	GENERAL ARRANGEMENT OF FOUNDATION DETAILS AND GROUND FLOOR(EXTENSION BUILDING)	00
S03.1	FOUNDATION DETAILS(EXTENSION BUILDING)	00
S03.2	GENERAL ARRANGEMENT OF FOUNDATION AND GROUND FLOOR(TOILET BLOCK)	00
S03.3	GENERAL ARRANGEMENT OF ROOF SLAB (TOILET BLOCK)	00
S03.4	TYPICAL FOUNDATION DETAILS	00
S04	GENERAL ARRANGEMENT OF ROOF BEAM AND ROOF(EXTENSION BUILDING)	00
S04.1	ROOF SECTION	00
S04.2-4.4	ROOF DETAILS-(1-3)	00
S05-5.3	CEILING DETAILS	00

STRUCTURAL DRAWINGS JUNE 2022



 MINISTRY OF HEALTH  ADB FUNDED HEALTH SYSTEM ENHANCEMENT PROJECT(HSEP)	DESIGN AND SUPERVISION CONSULTANCY FOR INFRASTRUCTURE DEVELOPMENT REP NO.: HSEP/PMU/PROS1/05/2018	RDC RESOURCE DEVELOPMENT CONSULTANTS (Pvt) Ltd. No- 55 / 2/1 , Galle Road , Colombo 03.	REV.	DESCRIPTION	DATE
	CENTRAL CLINIC AT GALAGEDARA M.O.H OFFICE, KANDY DISTRICT , CENTRAL PROVINCE	DRAWING TITLE: COVER SHEET & LIST OF DRAWINGS DRG. NO: RDC / HSEP / CTRL / KDY / GLG / S00 SCALE: AS GIVEN DATE: 29/6/2022 SHEET NO: S00	DESIGNED BY: SM CHECKED BY: SH DRAWN: LAL DRAFTING CHECK: AZAD		

1. GENERAL NOTES

- 1.1 ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE RELEVANT BRITISH OR SRI LANKAN STANDARDS WITH CURRENT AMENDMENTS.
- 1.2 LIVE LOADS ARE TAKEN AS PER BRITISH STANDARDS.
- TOILET ROOF SLAB – 2.0 kN/m²
- SUN SHADE SLAB – 2.0 kN/m²
- * FLOOR LOADING AS PER ARCHITECTURAL DRAWING
- 1.3 ROOF LIVE LOAD – 0.4 kN/m²
- 1.4 THE DETAILS SHOWN ON DRG. NO. 502 DESIGNATED AS "TYPICAL DETAILS", APPLY GENERALLY TO THE DRAWINGS IN ALL AREAS WHERE CONDITIONS ARE SIMILAR TO THOSE DESCRIBED IN THE DETAILS, UNLESS NOTED OTHERWISE.
- 1.5 THE HORIZONTAL AND VERTICAL DIMENSIONS OF THE STRUCTURE SHALL BE VERIFIED DURING CONSTRUCTION. ANY VARIATIONS OR DISCREPANCIES IN THE DIMENSIONS SHALL BE BROUGHT TO THE CONSULTANT'S ATTENTION IMMEDIATELY.
- 1.6 ALL DIMENSIONS ARE IN MILLIMETERS. UNO. DO NOT SCALE DRAWINGS.
- 1.7 THE CONTRACTOR SHALL CO-ORDINATE THE STRUCTURAL DETAILS WITH THE ARCHITECTURAL DETAILS AND WITH OTHER DISCIPLINES SUCH AS MECHANICAL, ELECTRICAL AND PLUMBING. REPORT CONFLICTS OR DISCREPANCIES TO THE CONSULTANT PRIOR TO FABRICATING, INSTALLING OR CONSTRUCTING STRUCTURAL MEMBERS. SEE ARCHITECTURAL DRAWINGS FOR THE FOLLOWING:
- a. SIZE AND LOCATION OF ALL NON-LOAD BEARING PARTITIONS.
- b. SIZE AND LOCATION OF ALL CONCRETE KERBS, FLOOR DRAINS, SLOPES, DEPRESSIONED AREAS, CHANGES IN LEVELS, CHAMFERS, GROOVES, INSERTS, ETC.
- c. SIZE AND LOCATION OF ALL FLOOR AND ROOF OPENINGS.
- d. DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS.
- SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR THE FOLLOWING:
- a. PIPE RUNS, SLEEVES, HANGERS, TRENCHES, WALL, ROOF AND FLOOR OPENINGS, ETC. NOT SHOWN OR NOTED.
- b. ELECTRICAL CONDUIT RUNS, BOXES, OUTLETS IN WALLS AND SLABS.
- c. ANCHORAGE AND BRACING FOR ELECTRICAL, MECHANICAL OR PLUMBING EQUIPMENT.
- d. ANCHOR BOLTS FOR MOTOR MOUNTS.
- e. SIZE AND LOCATION OF MACHINE AND EQUIPMENT BASES.
- 1.8 OPENINGS, POCKETS, ETC. SHALL NOT BE PLACED IN STRUCTURAL MEMBERS UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS. WHEN DRAWINGS BY OTHERS SHOW OPENINGS, POCKETS ETC., NOT SHOWN IN STRUCTURAL DRAWINGS, BUT WHICH ARE LOCATED IN STRUCTURAL MEMBERS, SUCH ITEMS SHALL BE BROUGHT TO THE CONSULTANT'S ATTENTION FOR APPROVAL PRIOR TO FABRICATION OR CONSTRUCTION OF STRUCTURAL MEMBERS.
- 1.9 THE CONTRACT DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN PROTECTIVE MEASURES TO PROTECT THE FINISHED STRUCTURE FROM DAMAGE DURING CONSTRUCTION. BRACING, SHORING, FORM WORK, PROPS, AND SEQUENCING OF THE REMOVAL OF THE SAME.
- 1.10 THE CONTRACTOR SHALL ENSURE THAT ALL CONSTRUCTION LOADS DO NOT EXCEED THE DESIGN LIVE LOADS INDICATED ABOVE AND THAT THESE LOADS ARE NOT PUT ON STRUCTURAL MEMBERS PRIOR TO THE TIME THAT THE CONCRETE REACHES THE FULL DESIGN STRENGTH AND ALL FRAMING MEMBERS AND THEIR CONNECTIONS ARE IN PLACE.
- 1.11 LOADING FOR MECHANICAL ROOMS ARE BASED ON ASSUMED WEIGHTS OF EQUIPMENT AS INDICATED ON THE MECHANICAL DRAWINGS (INCLUDING THE WEIGHT OF CONCRETE PADS, WHERE INDICATED) ANY CHANGES IN TYPE, SIZE, OR NUMBER OF PIECES OF EQUIPMENT SHALL BE REPORTED TO THE CONSULTANT FOR VERIFICATION OF THE ADEQUACY OF SUPPORTING MEMBERS PRIOR TO THE PLACEMENT OF SUCH EQUIPMENT.
- 1.13 CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING AND SUBMITTING FOLLOWING DOCUMENTS FOR THE CONSULTANT'S APPROVAL AT LEAST EIGHT WEEKS PRIOR TO THE COMMENCEMENT OF WORK.
- a. METHOD STATEMENT FOR THE WORK.
- b. CO-ORDINATION DRAWINGS.
- c. SHOP DRAWINGS (FOR FORM WORK, MASONRY WORK INCLUDING THE STIFFENER COLUMN/BEAM ARRANGEMENT, ZINCALUME ROOFING SYSTEM INCLUDING FRAME WORK ETC.)
- d. BAR-BENDING SCHEDULES FOR R.C. WORKS.
- e. CONSTRUCTION DRAWINGS FOR ALL TEMPORARY WORKS.
- f. DRAWINGS FOR POURING PATTERNS, CASTING SEQUENCE, CONSTRUCTION JOINTS ETC.
2. FOUNDATION NOTES
- 2.1 FOUNDATION HAS BEEN DESIGNED BASED ON PRESUMPTIVE BEARING CAPACITY OF 125kN/m². CONTRACTOR SHALL VERIFY THE FOUNDATION BEARING SOIL CONDITION TO ENGINEER BEFORE COMMENCEMENT OF CONSTRUCTION

3. CONCRETE WORK

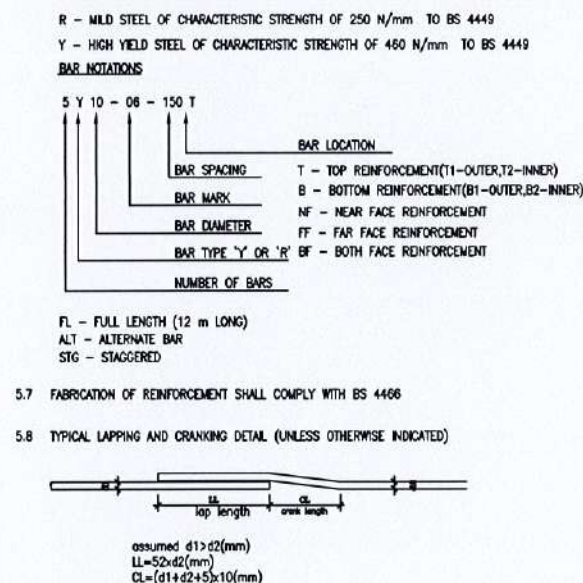
- 3.1 ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH BS 8110, BS 8007 AND SPECIFICATIONS.
- 3.2 CONCRETE TESTING SHALL BE IN ACCORDANCE WITH BS 5328, UNLESS OTHERWISE SPECIFIED.
- 3.3 ALL CONCRETE SHALL BE READY-MIX AND SUPPLIED ACCORDING TO THE APPROVED DESIGNED MIXES.
- 3.4 CONCRETE IN THE FOLLOWING AREAS SHALL HAVE SAND AND CRUSHED STONE AGGREGATES, ORDINARY PORTLAND CEMENT PROPORTIONED TO PRODUCE A DENSE WORKABLE MIX WHICH CAN BE PLACED WITHOUT SEGREGATION OR EXCESS FREE SURFACE WATER. IT SHALL ALSO HAVE THE PROPERTIES INDICATED BELOW.
- a. CONCRETE GRADE FOR REINFORCED CONCRETE WORK SHALL BE AS FOLLOWS WITH MAXIMUM AGGREGATE SIZE 20mm UNLESS NOTED OTHERWISE.
- FOUNDATION, COLUMNS, BEAMS & SLABS – C25
- b. ALL CONCRETE FOR CONCRETE SOREED SHALL BE GRADE 15.
- c. CONCRETE FOR THE STIFFENER COLUMNS & LINTELS TO BE GRADE 25.
- 3.5 COVER TO REINFORCEMENT
- FOUNDATION – 50mm
- COLUMN BELOW GROUND – 50mm
- COLUMN ABOVE GROUND – 30mm
- BEAMS – 30mm
- SLAB TOP – 30mm
- SLAB BOTTOM – 25mm
- STIFFENER COLUMNS & LINTEL BEAMS – 25mm
- 3.6 MIX DESIGNS SHALL BE PREPARED AND SUBMITTED BY THE CONTRACTOR FOR APPROVAL TO THE CONSULTANT. THE CONTRACTOR SHALL SUBMIT RESULTS OF TRIAL MIXES, GRADING CURVES AND ALL OTHER DETAILS TO ENABLE THE CONSULTANT TO EVALUATE THE PROPOSED MIX DESIGNS.
- 3.7 ALL CONCRETE SHALL CONTAIN AN APPROVED WATER-REDUCING, CEMENT DISPERSING ADMIXTURE CONFORMING TO ASTM C494, TYPE A, D, E, F, OR G.
- 3.8 CONCRETE SHALL BE WELL COMPACTED BY MECHANICAL MEANS WITHOUT SEGREGATION.
- 3.9 CONCRETE GRADE AT THE COLUMN/BEAM JUNCTION TO BE EQUAL TO THE GRADE OF THE COLUMN CONCRETE.
- 3.10 ALL CONCRETE SURFACES, EXCEPT THOSE COVERED BY FORM WORK, SHALL BE CURED TO THE SATISFACTION OF THE CONSULTANT. (COST OF CURING SHALL BE INCLUDED IN THE RATES).
- 3.11 ALL GRADE BEAMS AND SLABS SHALL BE FORMED ON SIDES UNLESS SHOWN OTHERWISE.
- 3.12 CONCRETING OF SLABS-ON-GRADE (GROUND SLABS, OTHER THAN RAFT) SHALL BE PLACED IN BAYS WHERE LENGTHS AND WIDTHS DO NOT EXCEED SIX METRES UNLESS APPROVED BY THE CONSULTANT.
- 3.13 CONTRACTOR SHALL SUBMIT CONSTRUCTION JOINT LAYOUT, POURING PATTERN AND CASTING SEQUENCE FOR APPROVAL OF THE CONSULTANT AT LEAST EIGHT WEEKS PRIOR TO THE POURING OF CONCRETE.
- 3.14 ALL BEAM VERTICAL CONSTRUCTION JOINTS SHALL BE MADE AT ONE THIRD OF THE SPAN POINTS USING VERTICAL BULGHEADS WITH SHEAR KEYS AND DOWELS. WHEN A SECONDARY BEAM INTERSECTS A PRIMARY BEAM AT THIS POINT, THE JOINT IN THE PRIMARY BEAM SHALL BE OFFSET A DISTANCE EQUAL TO TWICE THE WIDTH OF THE BEAM. THE LOCATION OF CONSTRUCTION JOINTS SHALL BE APPROVED BY THE CONSULTANT.
- 3.15 HORIZONTAL CONSTRUCTION JOINTS SHALL BE PERMITTED ONLY WHERE SHOWN IN THE STRUCTURAL DRAWINGS OR APPROVED BY THE CONSULTANT. HORIZONTAL OR NEARLY HORIZONTAL JOINTS SHALL BE PREPARED BY ROUGHENING THE SURFACE IN AN APPROVED MANNER SO THAT THE AGGREGATES ARE EXPOSED UNIFORMLY, LEAVING NO LANTAGE, LOOSE PARTICLES OR DAMAGED CONCRETE.
- 3.16 EXCEPT AS DETAILED ON STRUCTURAL DRAWINGS, NO SLABS, OR BEAMS, SHALL BE SLEEVED FOR PIPING OR DUCTS, UNLESS APPROVED BY THE CONSULTANT.
- 3.17 WHERE CONDUITS RUN IN SLABS, THEY SHALL BE POSITIONED AT MID-DEPTH OF SLAB. CONDUIT SIZE SHALL NOT EXCEED 33 PERCENT OF THE SLAB DEPTH. NO CONDUIT SHALL BE PLACED IN SLABS WITH ACTUAL CONCRETE THICKNESS LESS THAN 75mm (3 in). THERE SHALL BE A MINIMUM OF 75mm (3 in) OF CLEAR SPACE BETWEEN CONDUITS. ALUMINIUM CONDUITS ARE PROHIBITED. PLACE CHAIRS OF 10 mm (3/8 in) DIA. STEEL PERPENDICULAR TO THE CONDUIT PATH. THE ADDED R/F SHALL EXTEND 400mm (16 in) ON BOTH SIDES AND SPACING OF THE ADDED R/F TO BE 600 – 800 mm (24 – 32 in)
- 3.18 PROVIDE CHAMFERS AS SPECIFIED AND AS DETAILED ON ARCHITECTURAL/STRUCTURAL DRAWINGS.
- 3.19 ALL FOREIGN MATERIAL SHALL BE ENTIRELY REMOVED FROM FORMS PRIOR TO PLACING OF CONCRETE. ANY DEFECTS IN THE HARDENED CONCRETE SHALL BE SATISFACTORILY REPAIRED AND/OR REPLACED AS DEEMED APPROPRIATE BY THE CONSULTANT. THE CONTRACTOR SHALL REMOVE AND REPLACE ANY CONCRETE WHICH FAILS TO ATTAIN SPECIFIED STRENGTHS, IF SO DIRECTED BY THE CONSULTANT.
- 3.20 MINIMUM FREE FALL OF CONCRETE SHOULD BE LIMITED TO 1.5m (5 ft) DURING THE PLACEMENT OF CONCRETE. IN THE EVENT LIFT HEIGHT IS GREATER THAN 1.5m (5 ft), A TREMIE PIPE OR SIMILAR APPROVED ARRANGEMENT SHOULD BE USED. CASTING OF COLUMNS TOGETHER WITH SLABS AND BEAMS WILL NOT BE ALLOWED.

4. FORM WORK

- 4.1 FORM WORK SHOULD COMPLY WITH BS 8110 AND BS 5975.
- 4.2 REMOVE ALL PROPS AND FORM WORK OF SLABS AND BEAMS BEFORE CONSTRUCTING WALLS ABOVE THE PARTICULAR LEVEL.
- 4.3 DO NOT REMOVE FORM WORK OR PROPS BEFORE CONCRETE GAINS SUFFICIENT STRENGTH SPECIFIED IN RELEVANT STANDARDS, UNDER ANY CIRCUMSTANCE.
- MAINTAIN ALL FORM WORKS FOR SLABS FOR A MINIMUM OF 7 DAYS
- MAINTAIN ALL PROPS FOR ADDITIONAL 14 DAYS.
- MAINTAIN COLUMN FORM WORK FOR A MINIMUM OF 7 DAYS IF A SPECIAL CURING PROCEDURE IS NOT USED.
- 4.4 ALL DEBRIS SHALL BE ENTIRELY REMOVED FROM FORMS PRIOR TO PLACING OF CONCRETE.

5. REINFORCEMENT STEEL NOTES

- 5.1 ALL REINFORCING STEEL SHALL COMPLY WITH BS 4449 GRADE 460 HIGH YIELD DEFORMED TYPE 2 BARS OR GRADE 250 MILD STEEL. USE OF REINFORCEMENT FOR THE WORK WILL BE CONSIDERED ONLY UPON SUBMITTAL OF RELEVANT INFORMATION TO THE CONSULTANT FOR APPROVAL. SUBMITTALS SHALL INCLUDE MILL CERTIFICATES OR OTHER RECOGNISED CERTIFICATIONS CLEARLY INDICATING THE MATERIAL COMPOSITION, YIELD STRENGTH, ULTIMATE STRENGTH, AND BAR BEND TEST. THE CONSULTANT MAY ORDER ADDITIONAL TESTS TO BE CARRIED OUT, AS MAY BE REQUIRED, THE COSTS OF WHICH SHALL BE BORNE BY THE CONTRACTOR.
- 5.2 NO REINFORCING BARS SHALL BE WELDED, UNLESS SPECIFICALLY NOTED OR APPROVED BY THE CONSULTANT.
- 5.3 MINIMUM CONCRETE COVER FOR REINFORCEMENT SHALL BE AS NOTED BELOW, UNLESS OTHERWISE INDICATED.
- a. CONCRETE SURFACES PROTECTED AGAINST WEATHER OR AGGRESSIVE CONDITION (INTERIOR AREAS) – 25mm.
- b. CONCRETE SURFACES EXPOSED TO RAIN OR ALTERNATE WETTING AND DRYING, CONTINUOUSLY UNDER WATER – 40 mm AND CONTACT WITH SOIL – 50mm
- 5.4 REINFORCING BARS SHOULD BE LAPPED ONLY AS SHOWN ON THE DRAWINGS.
- 5.5 PROVIDE CONCRETE COVER BLOCKS OR STANDARD BAR CHAIRS WITH PROTECTIVE TIPS AND SPACERS SPACED AS REQUIRED TO PROVIDE SPECIFIED CONCRETE PROTECTION FOR REINFORCEMENT BUT NOT TO EXCEED 900mm (35") ON CENTRE FOR ALL SLABS, AND BEAMS, PLACE BAR CHAIRS OR COVER BLOCKS LONGITUDINALLY IN ALL BEAMS DIRECTLY BELOW THE STIRRUPS. BAR SHALL BE TIED IN PLACE WITH 16 GAUGE DOUBLED-ANNEALED IRON WIRE.
- 5.6 ABBREVIATIONS FOR REINFORCEMENT
- R – MILD STEEL OF CHARACTERISTIC STRENGTH OF 250 N/mm TO BS 4449
- Y – HIGH YIELD STEEL OF CHARACTERISTIC STRENGTH OF 460 N/mm TO BS 4449
- BAR NOTATIONS
- 5 Y 10 – 08 – 150 T
- FL – FULL LENGTH (12 m LONG)
- ALT – ALTERNATE BAR
- STG – STAGGERED



6. MASONRY

- 6.1 MASONRY WORK SHALL COMPLY WITH BS 6073.
- 6.2 ALL MASONRY WALLS SHALL BE NON LOAD BEARING TYPE UNLESS OTHERWISE SPECIFIED.
- 6.3 ALL NON LOAD BEARING WALLS SHALL BE ISOLATED FROM THE MAIN STRUCTURE BY PROVIDING A 10mm (3/8") CLEARANCE BETWEEN THE WALL AND THE SIDES.
- 6.4 ALL MASONRY WORK SHALL BE WITH HOLLOW CEMENT BLOCKS UNLESS SPECIFIED OTHERWISE.
- 6.5 MINIMUM STRENGTH OF MASONRY SHALL BE 1.2MPa.
- 6.6 PROPORTIONS OF CONSTITUENTS OF MORTAR FOR MASONRY WORK SHALL BE AS GIVEN IN SPECIFICATION FOR BLOCKWORK.

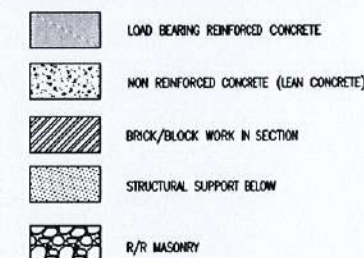
7. STRUCTURAL STEEL

- 7.1 STEEL WORK SHALL BE IN ACCORDANCE WITH BS 5950 UNLESS NOTED OTHERWISE. ALL STEEL SHALL BE OF GRADE 43 AND COMPLY WITH BS 4360.
- 7.2 STRUCTURAL STEEL DESIGNATED ON DRAWINGS IS BASED ON SECTIONS FOUND IN BS 4848. EQUIVALENT METRIC SIZES HAVE BEEN INDICATED. ALL SECTIONS SELECTED SHALL HAVE PROPERTIES EQUAL TO OR GREATER THAN THE SECTIONS DESIGNATED.
- 7.3 UNLESS NOTED OTHERWISE, ALL BOLTS SHALL BE OF GRADE 8.8 AND SHALL COMPLY WITH BS 4190. ALL BOLTS OF UP TO 22mm DIAMETER SHOULD HAVE A 2mm CLEARANCE AND A 3mm CLEARANCE FOR LARGER BOLTS.
- 7.4 THE MINIMUM CONNECTION SHALL BE WITH TWO BOLTS OF GRADE 8.8 AND OF 22mm DIAMETER SUBJECTS TO SINGLE SHEAR.
- 7.5 WELDING SHALL BE CARRIED OUT BY A QUALIFIED WELDER, IN ACCORDANCE WITH BS 5950. FILLET WELDS TO BE CONTINUOUS AND BUTT WELDS TO BE FULLY PENETRATED, UNLESS NOTED OTHERWISE.
- 7.6 INCREASE WELD SIZES FROM MINIMUM VALUES GIVEN IN DRAWINGS, DEPENDING ON THE THICKNESS OF PLATES THAT ARE WELDED. THE MINIMUM WELD SIZE SHALL BE 6mm. UNLESS NOTED OTHERWISE, INCREASE WELD SIZES FROM MINIMUM VALUES GIVEN IN DRAWINGS, DEPENDING ON THE THICKNESS OF PLATES THAT WOULD BE WELDED.
- 7.7 ALL WELDS SHALL BE DONE WITH ELECTRODES TO HAVE A MINIMUM STRENGTH OF 430 MPa, COMPLYING WITH BS 639.
- 7.8 WELDING PROCEDURES SHALL BE SUBMITTED FOR ENGINEER'S TESTING AGENCY TO REVIEW BEFORE COMMENCING ANY FABRICATION OR ERECTION. ALL COMPLETE PENETRATION WELDS SHALL BE TRANSVERSELY TESTED. THE NUMBER OF TESTS CAN BE REDUCED ACCORDING TO SPECIFICATIONS IN BS 639 AND WITH THE APPROVAL OF CONSULTANT.
- 7.9 GUSSET PLATES TO BE 10mm THICK, UNLESS OTHERWISE NOTED.
- 7.10 STEEL SHALL BE CLEANED TO BRIGHT METAL BY ABRASIVE BLAST OR EQUIVALENT TO CLASS 2 FINISH TO BS EN ISO 1461. THE PAINTING SYSTEM SHALL BE AS PER THE SPECIFICATION.
- 7.11 THREE COPIES OF WORKSHOP DRAWINGS SHOULD BE SUBMITTED TO THE CONSULTANT FOR APPROVAL PRIOR TO START ANY FABRICATION.
- 7.12 STEEL SECTIONS INDICATED IN THE DRAWING ARE STANDARD SECTIONS. CONTRACTOR SHALL BID CONFIRMING THE AVAILABLE STEEL SECTIONS IN THE MARKET AND ADDITIONAL COST WILL BE PAID DUE TO THE NON-AVAILABILITY OF THE SPECIFIED SECTIONS.
- 7.13 ALL STEEL MEMBERS TO BE SAND BLASTED AND APPLIED WITH PAINTING SYSTEMS SPECIFIED.

8. ERECTION

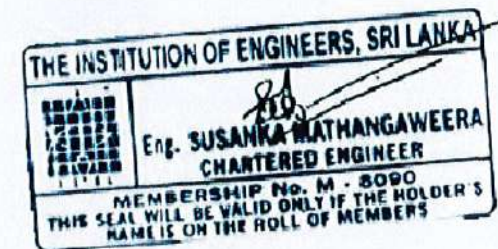
- 8.1 THIS BUILDING MUST BE ERECTED ACCORDING TO THE ERECTION DRAWINGS AND SAFE ERECTION PRACTICES. DESIGNER IS NOT RESPONSIBLE FOR ANY STRUCTURAL INADEQUACY OR ODD APPEARANCE IF THE ABOVE REQUIREMENT IS NOT FOLLOWED.
- 8.2 GUSSET PLATES FOR FLANGE BRACES ARE WELDED ON BOTH SIDES OF THE COLUMN AND RAFTER. HOWEVER FLANGE BRACES ARE REQUIRED AT ONE SIDE (UNLESS NOTED OTHERWISE). IT IS PREFERABLE TO INSTALL THEM ALL AT THE SAME SIDE OF THE COLUMN AND RAFTER. THE SIDE CHOSEN DEPENDING ON ERECTION SEQUENCE.
- 8.3 CONTRACTOR SHALL PRODUCE SHOP DRAWINGS FOR CONSULTANTS APPROVAL BEFORE FABRICATIONS.
- 8.4 ALL COPES, HOLES, OPENINGS AND MODIFICATIONS REQUIRED IN STRUCTURAL STEEL MEMBERS FOR ERECTION OR THE WORK OF OTHER TRADES SHALL BE SHOWN ON THE SHOP DRAWINGS FOR APPROVAL BY THE ARCHITECT AND STRUCTURAL ENGINEER.
- 8.5 FIELD MODIFICATION OF STRUCTURAL STEEL IS PROHIBITED WITHOUT PRIOR APPROVAL OF THE ARCHITECT AND STRUCTURAL ENGINEER.

LEGEND



ABBREVIATIONS

DA	– DIAMETER
RC	– REINFORCED CONCRETE
R/F	– REINFORCEMENT



MINISTRY OF HEALTH



ADB FUNDED
HEALTH SYSTEM ENHANCEMENT PROJECT (HSEP)

DESIGN AND SUPERVISION CONSULTANCY
FOR INFRASTRUCTURE DEVELOPMENT
REP NO.: HSEP/PMU/PROS1/05/2018

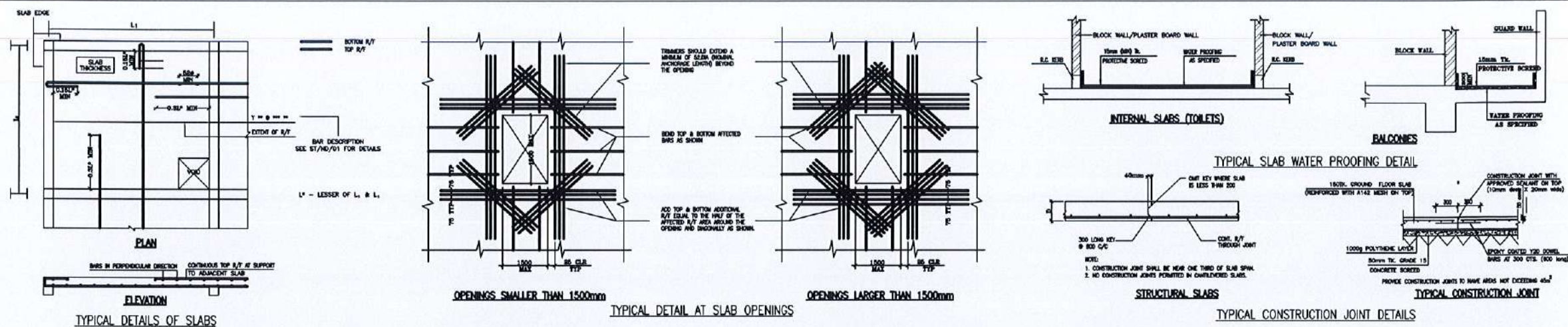
CENTRAL CLINIC AT GALAGEDARA M.O.H OFFICE,
KANDY DISTRICT, CENTRAL PROVINCE



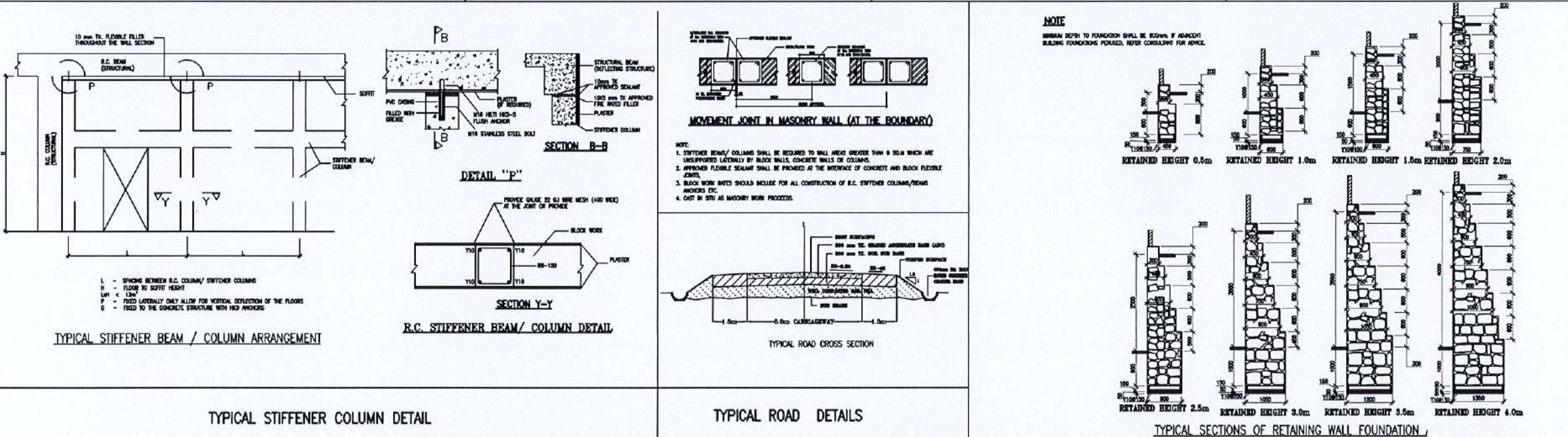
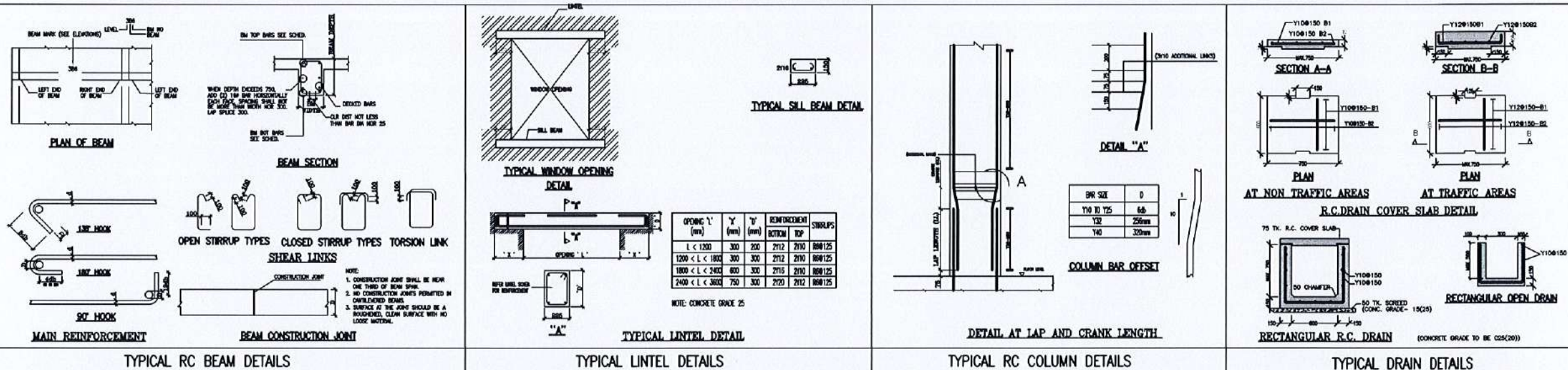
RESOURCE DEVELOPMENT CONSULTANTS (Pvt) Ltd.

No- 55, 2nd / 1st Floor, Galle Road, Colombo 03.

DRAWING TITLE	GENERAL NOTES	DESIGNED BY	CHECKED BY
DRG. NO	RDC / HSEP / CTRL / KDBY / GLG / S00	SM	SH
SCALE	DATE	DRAWN	DRAFTING CHECK
AS GIVEN	29/6/2022	LAL	AZAD
SHEET NO			
S01			



TYPICAL SLAB DETAILS



MINISTRY OF HEALTH

ADB FUNDED
HEALTH SYSTEM ENHANCEMENT PROJECT(HSEP)

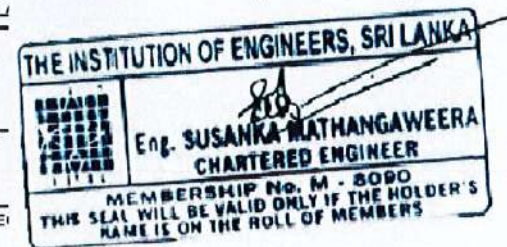
DESIGN AND SUPERVISION CONSULTANCY
FOR INFRASTRUCTURE DEVELOPMENT
REP NO.: HSEP/PMU/PROS1/05/2018

CENTRAL CLINIC AT GALAGEDARA M.O.H OFFICE,
KANDY DISTRICT, CENTRAL PROVINCE



RESOURCE DEVELOPMENT CONSULTANTS (Pvt) Ltd.
No- 55, 21, Galle Road, Colombo 03.

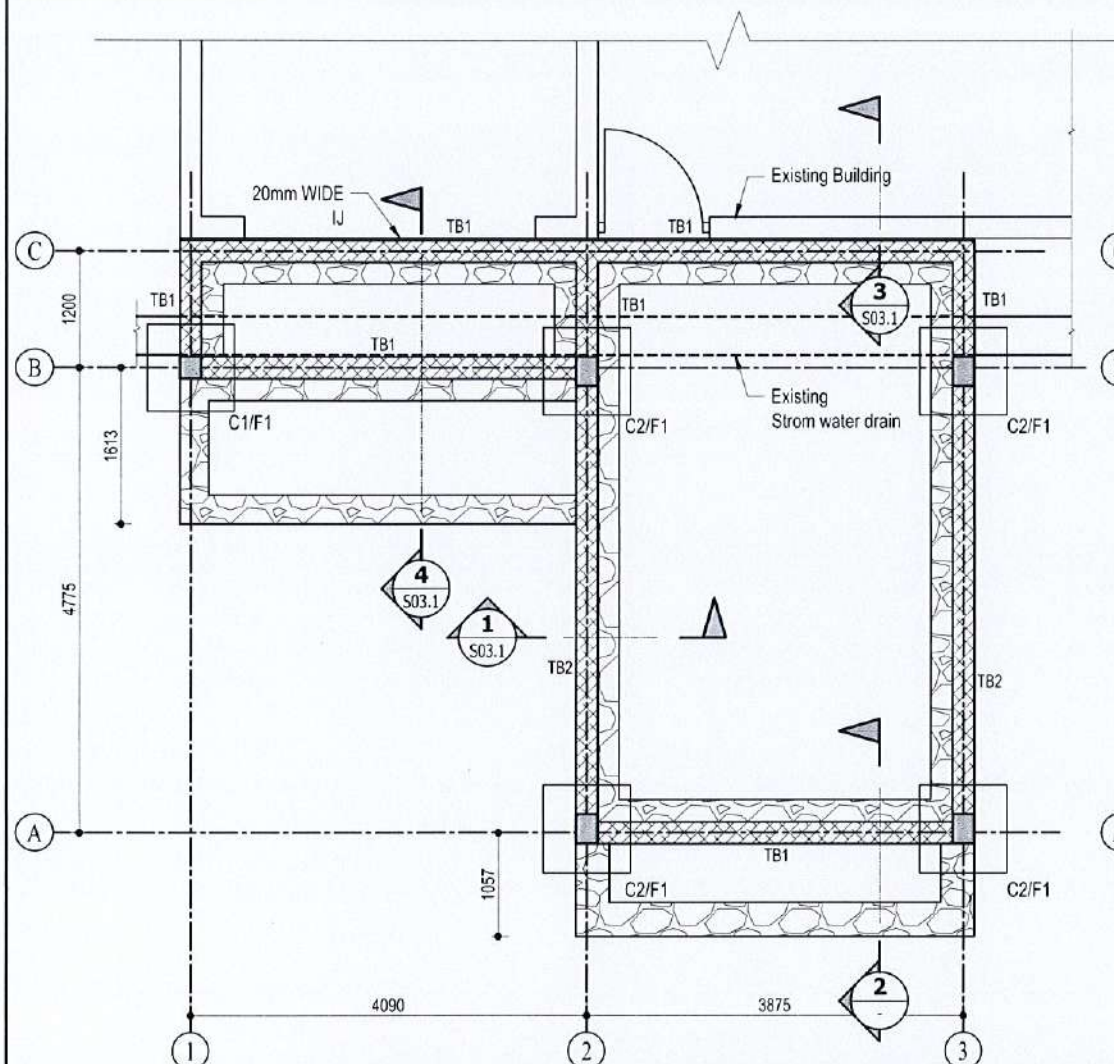
DRAWING TITLE	TYPICAL DETAILS	DESIGNED BY	CHECKED BY
DRG. NO	RDC / HSEP / CTRL / KDY / GLG / S00	SM	SH
SCALE	DATE	DRAWN	DRAFTING CHE
AS GIVEN	29/6/2022	LAL	AZAD
	SHEET NO		
	S02		



- NOTES:-**
- FOR GENERAL NOTES REFER DRAWING S01.
 - FOR TYPICAL DETAILS REFER DRAWINGS S02.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL AND ENGINEERING DRAWINGS AND SPECIFICATIONS.
 - ALL DIMENSIONS ARE GIVEN IN MILLIMETERS
 - CONCRETE MIX TO BE AS FOLLOWS TO BSEN-206-1 WITH A NOMINAL MAXIMUM AGGREGATE SIZE OF 20mm.
FOUNDATION, COLUMN, BEAM & SLAB
-C25
 - NO CONCRETE IS TO BE POURED UNTIL THE REINFORCEMENT HAS BEEN INSPECTED AND APPROVED BY THE ENGINEER.
 - WATER PROOFING AS SPECIFIED TO BE APPLIED ON ALL WATER RETAINING AND EXCLUDING SURFACES.
 - SLAB OPENINGS' SIZE AND POSITION TO BE CHECKED WITH ARCHITECTURAL AND M&E DRAWINGS.
 - ALL STRUCTURAL COLUMNS ARE CENTERED AT GRID LOCATIONS, UNLESS OTHERWISE NOTED
 - SOIL UNDER THE FOUNDATION, GROUND FLOOR SLAB AND AT PERIMETER OF THE BUILDING IS TO BE CHEMICALLY TREATED TO PROVIDE A CONTINUOUS BARRIER AGAINST TERMITE ATTACK.
 - COVER TO R/F
COLUMN BELOW GROUND
SIDES - 50 mm
COLUMN ABOVE GROUND
SIDES - 30 mm
FOOTING
BOTTOM - 50mm
SIDES - 50mm
TIE BEAM
TOP - 30 mm
SIDES/BOTTOM - 50 mm

ABBREVIATIONS USED IN THIS DRAWING

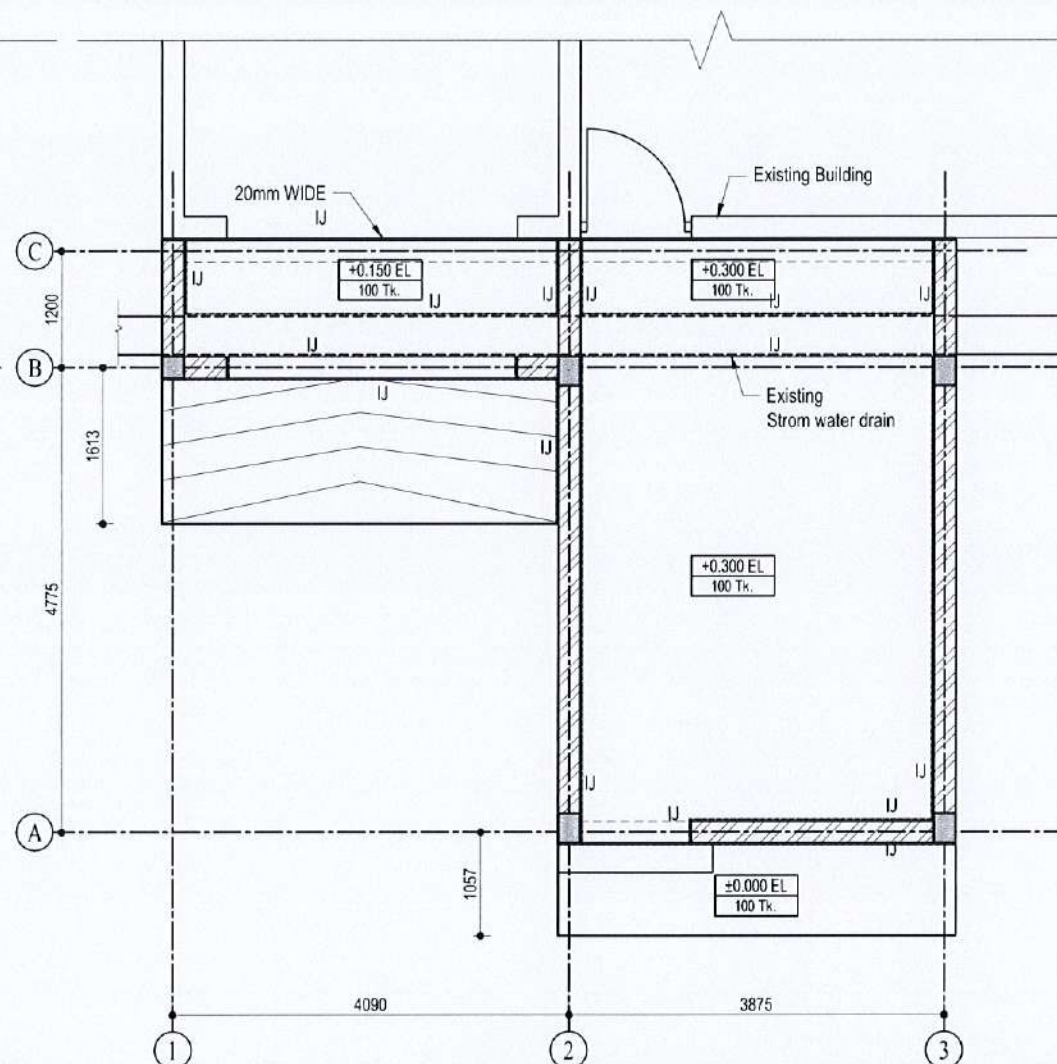
•APS = As Per Specification
•Col. = Column
•EL = Elevation
•RC = Reinforced Concrete
•Tk = Thickness
•NTS = Not to Scale
•dia/Ø = Diameter
•crs = Centres
•CL = Centre Line
•I = Isolating joint
•CJ = Construction joint
•SFMJ = Sawn free movement joint



GENERAL ARRANGEMENT OF FOUNDATION

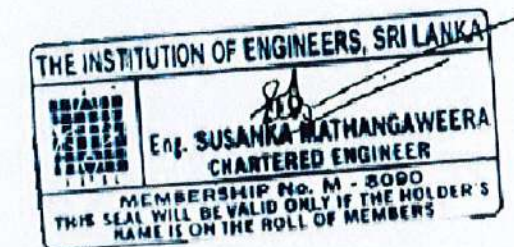
Scale: 1:75

RANDOM RUBBLE WORK F1-900x900x250 FOOTING
C1-225x225 RC COLUMN
225x225 TIE BEAM-TB1 C2-225x300 RC COLUMN
300x225 TIE BEAM-TB2

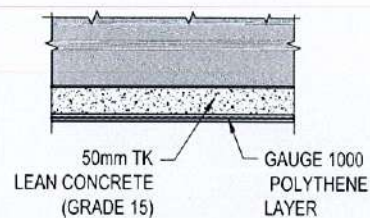


GENERAL ARRANGEMENT OF GROUND FLOOR

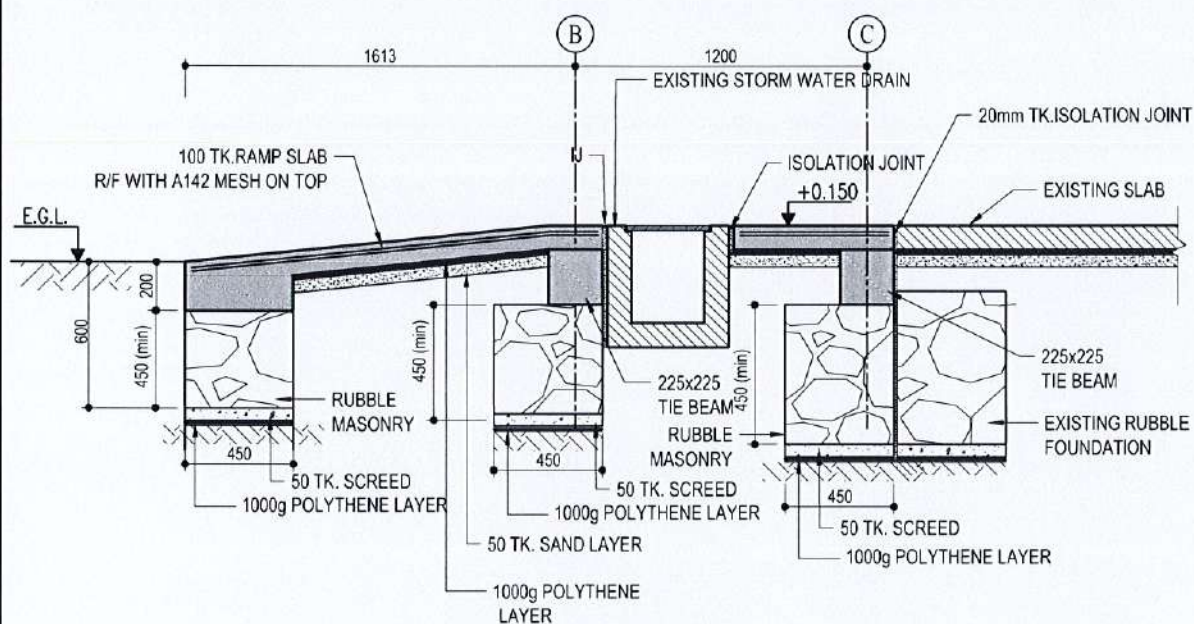
Scale: 1:75



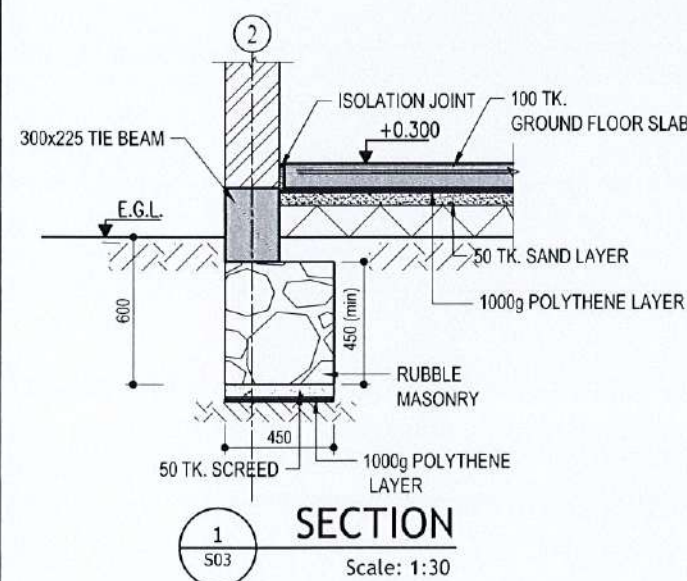
 <p>MINISTRY OF HEALTH</p> <p>ADB FUNDED HEALTH SYSTEM ENHANCEMENT PROJECT(HSEP)</p>	<p>DESIGN AND SUPERVISION CONSULTANCY FOR INFRASTRUCTURE DEVELOPMENT</p> <p>REP NO.: HSEP/PMU/PROS1/05/2018</p>		<p>RDC RESOURCE DEVELOPMENT CONSULTANTS (Pvt) Ltd. No- 55, 2nd, Galle Road, Colombo 03.</p>		REV.	DESCRIPTION	DATE
	<p>CENTRAL CLINIC AT GALAGEDARA M.O.H OFFICE, KANDY DISTRICT, CENTRAL PROVINCE</p>		DRAWING TITLE	GENERAL ARRANGEMENT OF FOUNDATION AND GROUND FLOOR(EXTENSION BUILDING)	DESIGNED BY	CHECKED BY	
			DRG. NO	RDC / HSEP / CTRL / KDY / GLG / S03	SM	SH	
			SCALE	DATE	SHEET NO	DRAWN	DRAFTING CHECK
			AS GIVEN	29/6/2022	S03	LAL	AZAD



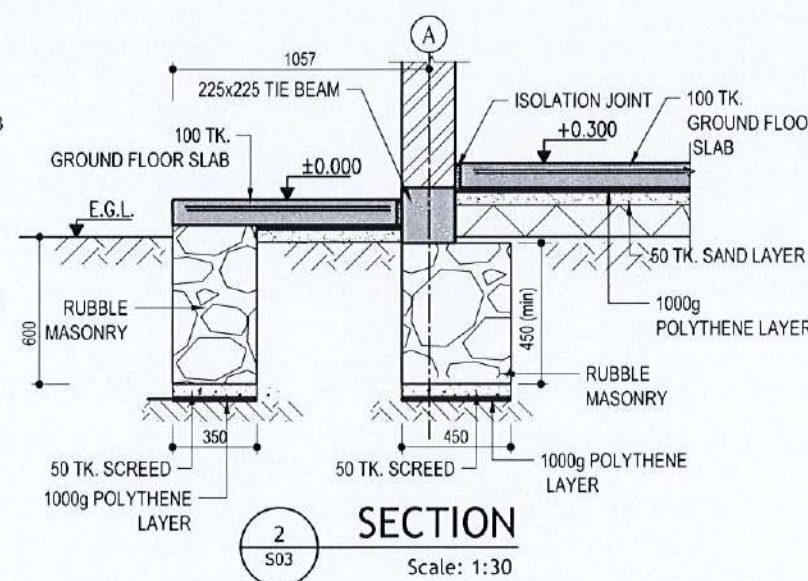
DETAIL-X
Scale: 1:20



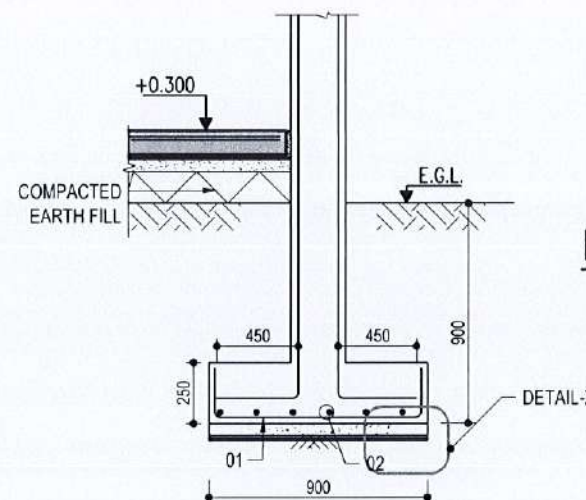
SECTION 4 S03
Scale: 1:30



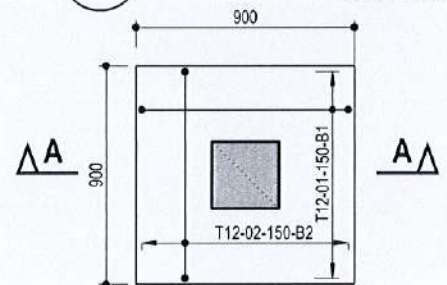
SECTION 1 S03
Scale: 1:30



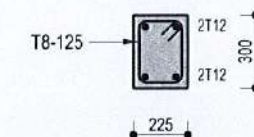
SECTION 2 S03
Scale: 1:30



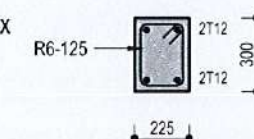
SECTION A-A
Scale: 1:30



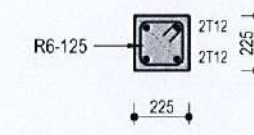
FOOTING-F1
Scale: 1:30



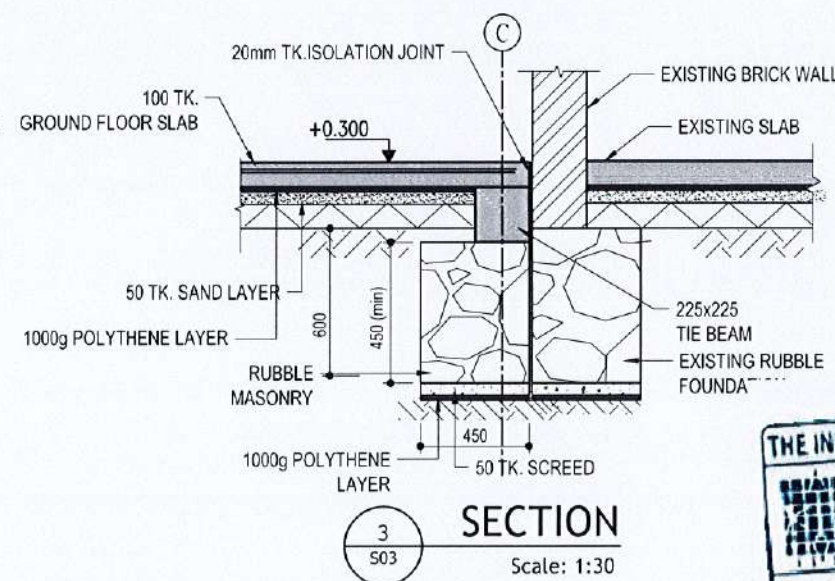
R/F DETAILS FOR TIE BEAM-TB1
Scale: 1:30



R/F DETAILS FOR COLUMN-C2
Scale: 1:30



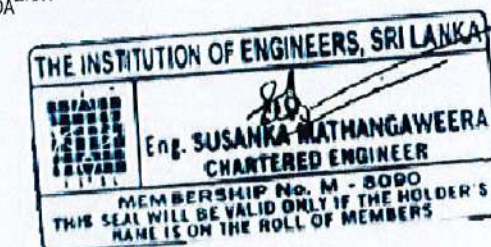
R/F DETAILS FOR COLUMN-C1
Scale: 1:30



SECTION 3 S03
Scale: 1:30

- NOTES:-**
- FOR GENERAL NOTES REFER DRAWING S01.
 - FOR TYPICAL DETAILS REFER DRAWINGS S02.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL AND ENGINEERING DRAWINGS AND SPECIFICATIONS.
 - ALL DIMENSIONS ARE GIVEN IN MILLIMETERS
 - CONCRETE MIX TO BE AS FOLLOWS TO BSEN-206-1 WITH A NOMINAL MAXIMUM AGGREGATE SIZE OF 20mm.
FOUNDATION, COLUMN, BEAM & SLAB - C25
 - NO CONCRETE IS TO BE POURED UNTIL THE REINFORCEMENT HAS BEEN INSPECTED AND APPROVED BY THE ENGINEER.
 - WATER PROOFING AS SPECIFIED TO BE APPLIED ON ALL WATER RETAINING AND EXCLUDING SURFACES.
 - SLAB OPENINGS' SIZE AND POSITION TO BE CHECKED WITH ARCHITECTURAL AND M&E DRAWINGS.
 - ALL STRUCTURAL COLUMNS ARE CENTERED AT GRID LOCATIONS, UNLESS OTHERWISE NOTED
 - SOIL UNDER THE FOUNDATION, GROUND FLOOR SLAB AND AT PERIMETER OF THE BUILDING IS TO BE CHEMICALLY TREATED TO PROVIDE A CONTINUOUS BARRIER AGAINST TERMITE ATTACK.
 - COVER TO R/F
COLUMN BELOW GROUND SIDES - 50 mm
COLUMN ABOVE GROUND SIDES - 30 mm
FOOTING BOTTOM - 50mm
SIDES - 50mm
TIE BEAM TOP - 30 mm
SIDES/BOTTOM - 50 mm

- ABBREVIATIONS USED IN THIS DRAWING**
- APS = As Per Specification
 - Col. = Column
 - EL = Elevation
 - RC = Reinforced Concrete
 - Tk = Thickness
 - NTS = Not to Scale
 - dia/Ø = Diameter
 - crs = Centres
 - CL = Centre Line
 - IJ = Isolatin joint
 - CJ = Construction joint
 - SFMJ = Sawn free movement joint



MINISTRY OF HEALTH

ADB FUNDED
HEALTH SYSTEM ENHANCEMENT PROJECT(HSEP)

**DESIGN AND SUPERVISION CONSULTANCY
FOR INFRASTRUCTURE DEVELOPMENT**
REP NO.: HSEP/PMU/PROS1/05/2018

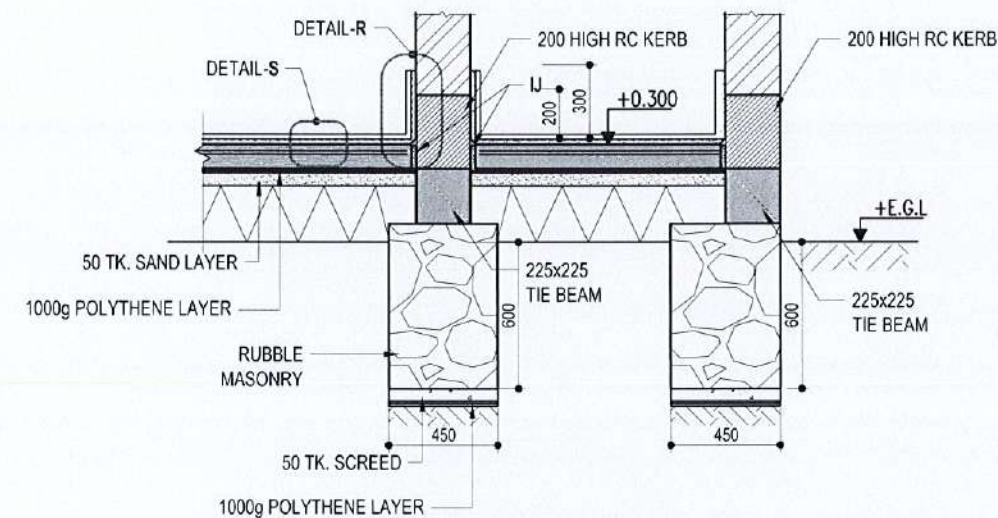
**CENTRAL CLINIC AT GALAGEDARA M.O.H OFFICE,
KANDY DISTRICT , CENTRAL PROVINCE**



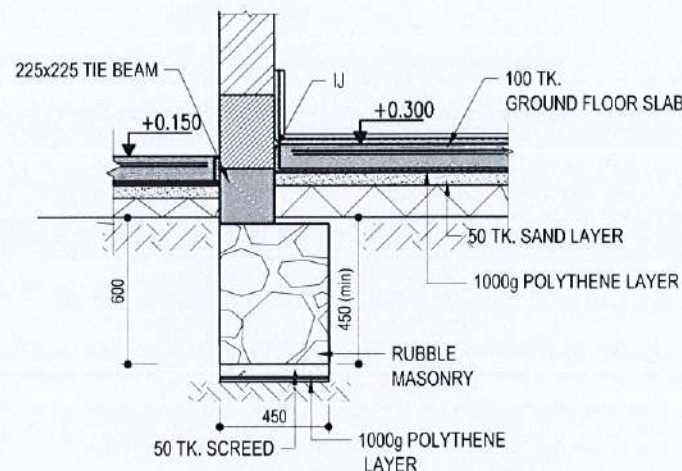
RESOURCE DEVELOPMENT CONSULTANTS (Pvt) Ltd.
No- 55 , 2/1 , Galle Road , Colombo 03.

DRAWING TITLE	FOUNDATION DETAILS(EXTENSION BUILDING)	DESIGNED BY	CHECKED BY
DRG. NO	RDC / HSEP / CTRL / KDY / GLG / S03.1	SM	SH
SCALE	DATE	SHEET NO	DRAWN
AS GIVEN	29/6/2022	S03.1	LAL
			DRAFTING CHECK
			AZAD

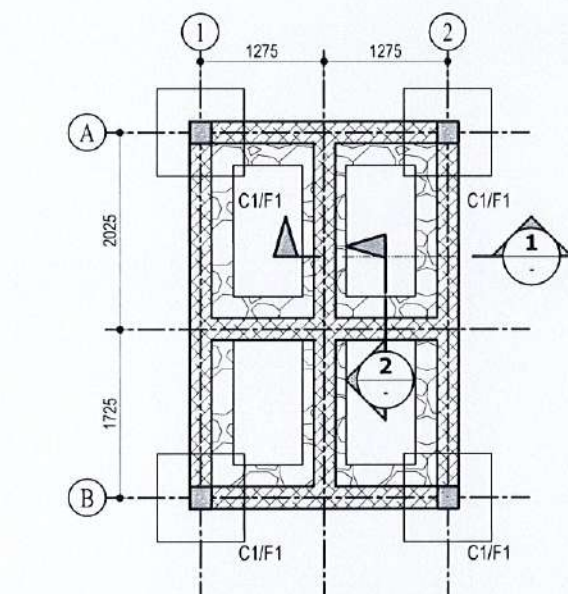
REV.	DESCRIPTION	DATE



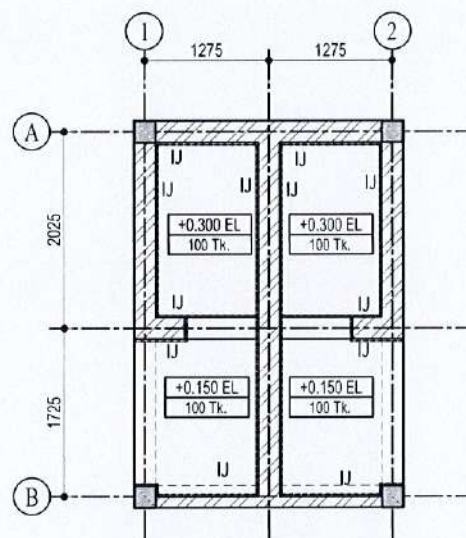
SECTION 1
Scale: 1:30



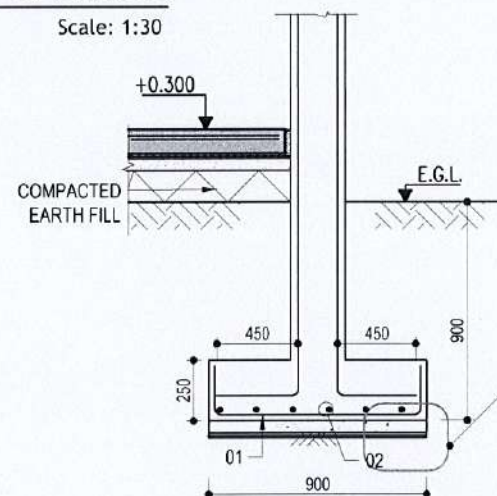
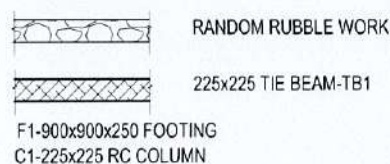
SECTION 2
Scale: 1:30



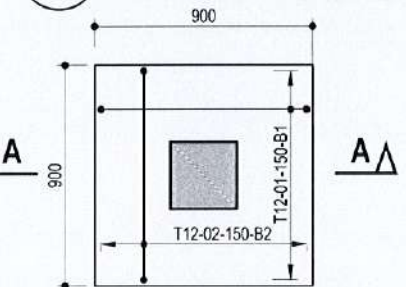
GENERAL ARRANGEMENT OF FOUNDATION
Scale: 1:75



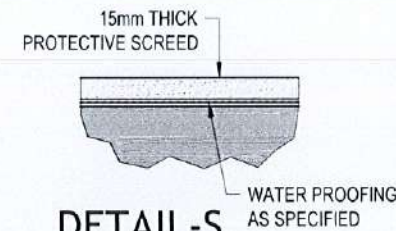
GENERAL ARRANGEMENT OF GROUND FLOOR
Scale: 1:75



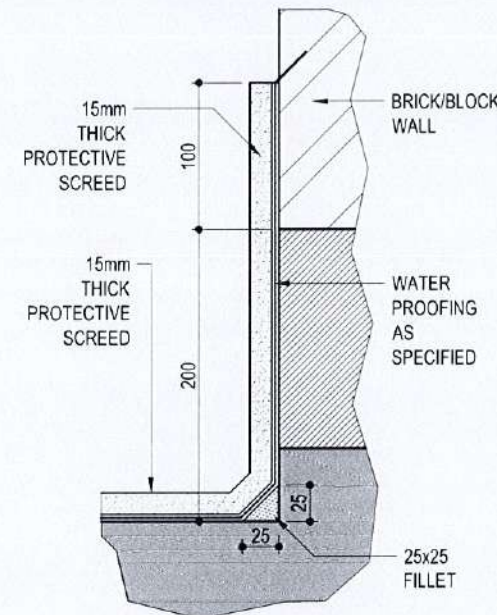
SECTION A-A
Scale: 1:30



FOOTING-F1
Scale: 1:30

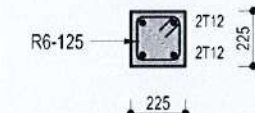


DETAIL-S
Scale: 1:5



DETAIL-R
Scale: 1:5

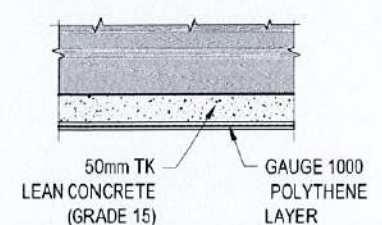
R/F DETAILS FOR TIE BEAM-TB1
Scale: 1:30



R/F DETAILS FOR COLUMN-C1
Scale: 1:30

- NOTES:-**
- FOR GENERAL NOTES REFER DRAWING S01.
 - FOR TYPICAL DETAILS REFER DRAWINGS S02.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL AND ENGINEERING DRAWINGS AND SPECIFICATIONS.
 - ALL DIMENSIONS ARE GIVEN IN MILLIMETERS
 - CONCRETE MIX TO BE AS FOLLOWS TO BSEN-206-1 WITH A NOMINAL MAXIMUM AGGREGATE SIZE OF 20mm.
 - FOUNDATION, COLUMN, BEAM & SLAB - C25
 - NO CONCRETE IS TO BE POURED UNTIL THE REINFORCEMENT HAS BEEN INSPECTED AND APPROVED BY THE ENGINEER.
 - WATER PROOFING AS SPECIFIED TO BE APPLIED ON ALL WATER RETAINING AND EXCLUDING SURFACES.
 - SLAB OPENINGS SIZE AND POSITION TO BE CHECKED WITH ARCHITECTURAL AND M&E DRAWINGS.
 - ALL STRUCTURAL COLUMNS ARE CENTERED AT GRID LOCATIONS, UNLESS OTHERWISE NOTED
 - SOIL UNDER THE FOUNDATION, GROUND FLOOR SLAB AND AT PERIMETER OF THE BUILDING IS TO BE CHEMICALLY TREATED TO PROVIDE A CONTINUOUS BARRIER AGAINST TERMITE ATTACK.
 - COVER TO R/F
- | ITEM | COVER TO R/F |
|---------------------------|--------------|
| COLUMN BELOW GROUND SIDES | - 50 mm |
| COLUMN ABOVE GROUND SIDES | - 30 mm |
| FOOTING BOTTOM | - 50mm |
| FOOTING SIDES | - 50mm |
| TIE BEAM TOP | - 30 mm |
| TIE BEAM SIDES/BOTTOM | - 50 mm |

- ABBREVIATIONS USED IN THIS DRAWING**
- APS = As Per Specification
 - Col. = Column
 - EL = Elevation
 - RC = Reinforced Concrete
 - Tk = Thickness
 - NTS = Not to Scale
 - dia/Ø = Diameter
 - crs = Centres
 - cl = Centre Line
 - IJ = Isolatin joint
 - CJ = Construction joint
 - SFMJ = Sawn free movement joint



DETAIL-X
Scale: 1:20



MINISTRY OF HEALTH

ADB FUNDED
HEALTH SYSTEM ENHANCEMENT PROJECT (HSEP)

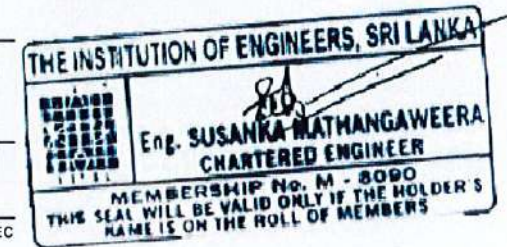
DESIGN AND SUPERVISION CONSULTANCY
FOR INFRASTRUCTURE DEVELOPMENT
REP NO.: HSEP/PMU/PROS1/05/2018

CENTRAL CLINIC AT GALAGEDARA M.O.H OFFICE,
KANDY DISTRICT, CENTRAL PROVINCE



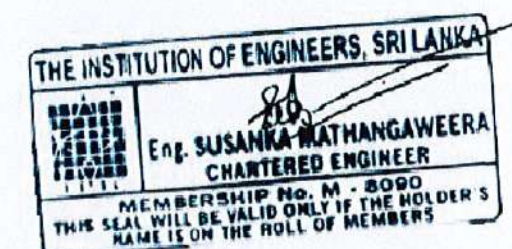
RESOURCE DEVELOPMENT CONSULTANTS (Pvt) Ltd.
No- 55 / 2/1, Galle Road, Colombo 03.

DRAWING TITLE	GENERAL ARRANGEMENT OF FOUNDATION AND GROUND FLOOR(TOILET BLOCK)	DESIGNED BY	CHECKED BY
DRG. NO	RDC / HSEP / CTRL / KDY / GLG /S03.2	SM	SH
SCALE	DATE	SHEET NO	DRAWN
AS GIVEN	27-06-2022	S03.2	LAL
			DRAFTING CHEC
			AZAD





- APS = As Per Specification
- Col. = Column
- EL = Elevation
- RC = Reinforced Concrete
- Tk = Thickness
- NTS = Not to Scale
- dia/Ø = Diameter
- crs = Centres
- CL = Centre Line
- IJ = Isolating joint
- CJ = Construction joint
- SFMJ = Sawn free movement joint



ADB FUNDED
HEALTH SYSTEM ENHANCEMENT PROJECT(HSEP)

**CENTRAL CLINIC AT GALAGEDARA M.O.H OFFICE,
KANDY DISTRICT , CENTRAL PROVINCE**



DRAWING TITLE		GENERAL ARRANGEMENT OF ROOF SLAB (TOILET BLOCK)		DESIGNED BY	CHECKED BY
DRG. NO		RDC / HSEP / CTRL / KDY / GLG / S03.3		SM	SH
SCALE	DATE	SHEET NO		DRAWN	DRAFTING CHE
AS GIVEN	27-06-2022	S03.3		LAL	AZAD

	REV.	DESCRIPTION	DATE
CHECK			

TABLE OF DOWEL BAR SIZES AND LENGTHS(ONLY FOR FREE MOVEMENT JOINT)			
TK.	SIZE	LENGTH	SLEEVE SIZE AND TYPE (ONLY FOR SLEEVED FFMJ)
100/125	16	400	20PVC TYPE 1000
150	20	600	25PVC TYPE 1000
175/200	25	600	32PVC TYPE 600

NOTE-1

- GROUND FLOOR SLAB TO BE PROVIDED WITH ISOLATION JOINTS AROUND COLUMNS/WALLS AND ALONG EDGES/ENDS OF MASONRY WALLS
- UNLESS OTHERWISE INDICATED SFMJ'S JOINTS SHALL BE PROVIDED COVERING AN AREA OF 6mX6m FOR SLABS ON GRADE

NOTE-2 - CONSTRUCTION/CONTRACTION JOINT.

- THE DOWELS TO BE MADE HORIZONTAL AND PERPENDICULAR TO THE JOINT PRIOR TO CONCRETING
- CARE SHOULD BE TAKEN ENSURE THE DOWELS ARE NOT DISTURBED DURING CONCRETING.

NOTE-3

SPECIFICATION FOR LATERITIC GRAVEL TO BE USED AS BACK FILL MATERIAL.

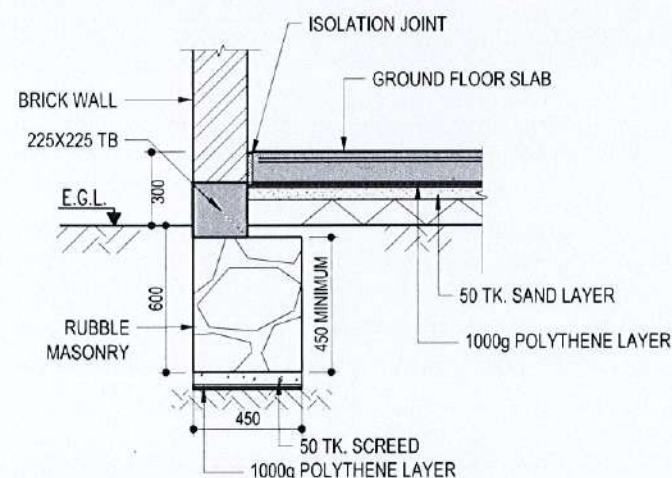
LL (%)	PI (%)	MDD (kg/m ³)	CBR (%)	COMPACTION
<40	<15	>1600	8-20	95% MDD

LL-LIQUID LIMIT

PI-PLASTIC INDEX

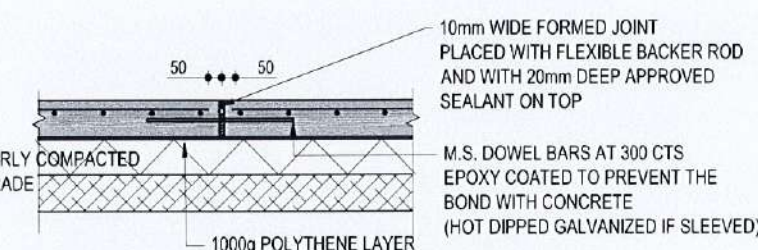
MDD-MAXIMUM DRY DENSITY FROM PROCTOR TEST

CBR-CALIFORNIA BEARING RATIO



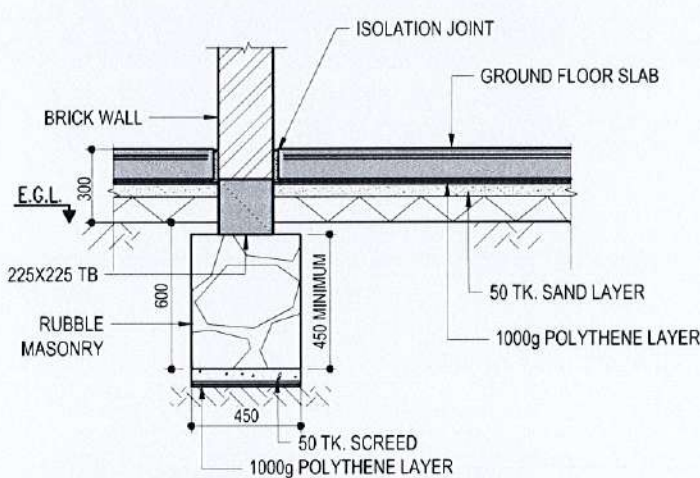
TYPICAL RUBBLE FOUNDATION OF EXTERNAL WALL(200 TK.) (UNLESS OTHERWISE INDICATED)

(SCALE- 1:30)



TYPICAL SECTION THRO. FORMED FREE MOVEMENT JOINT (FFMJ)

(SCALE- 1:30)

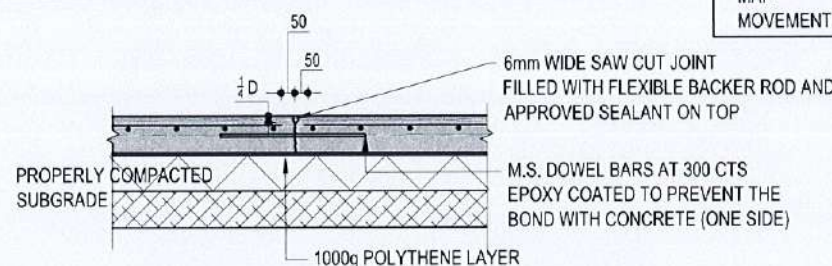


TYPICAL RUBBLE FOUNDATION OF INTERNAL WALL(200 TK.) (UNLESS OTHERWISE INDICATED)

(SCALE- 1:30)

NOTE-4 - JOINT FORMATION

SAWN FREE MOVEMENT JOINTS ARE TO BE PROVIDED BY 6mm SAW CUT AFTER CONCRETE SUFFICIENTLY HARDENED AND PREFERABLY WITHIN 24 HOURS AFTER PLACING OF CONCRETE.



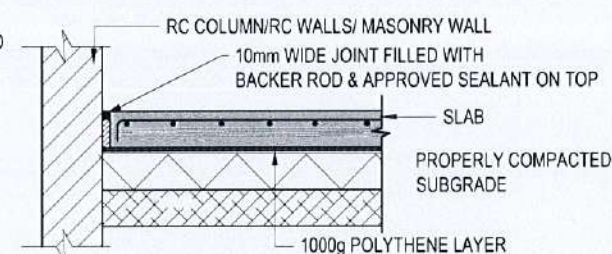
TYPICAL SECTION THRO. SAWN FREE MOVEMENT JOINT (SFMJ)

(SCALE- 1:30) D-DEPTH OF SLAB

NOTE-5 - JOINT SEALANT PROPERTY

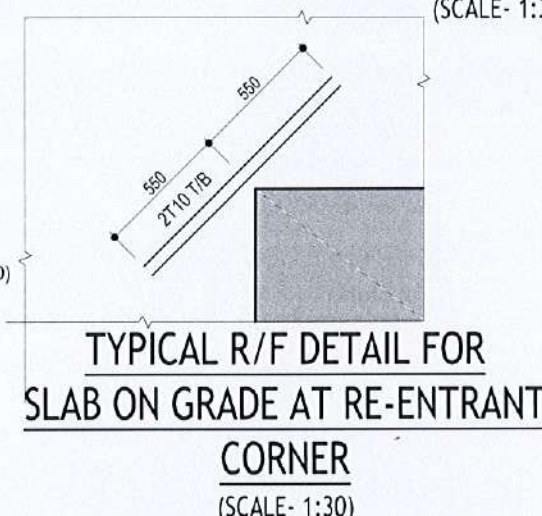
TYPE	MAF	SHORE A HARDNESS
POLYSULFIDE	25%	35%

MAF-
MOVEMENT ACCOMODATION FACTOR.



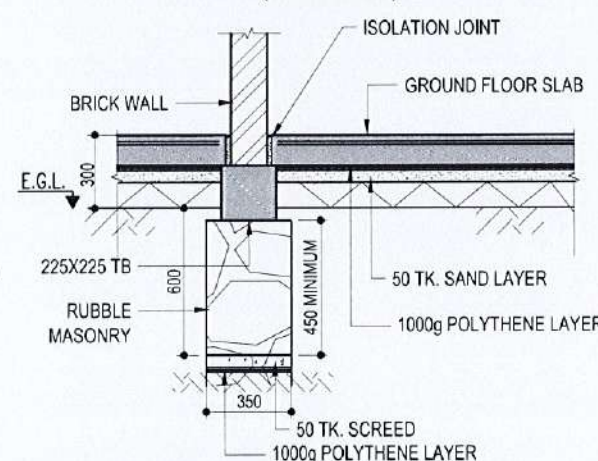
TYPICAL SECTION THRO. ISOLATION JOINT (I.J.)

(SCALE- 1:30)



TYPICAL R/F DETAIL FOR SLAB ON GRADE AT RE-ENTRANT CORNER

(SCALE- 1:30)



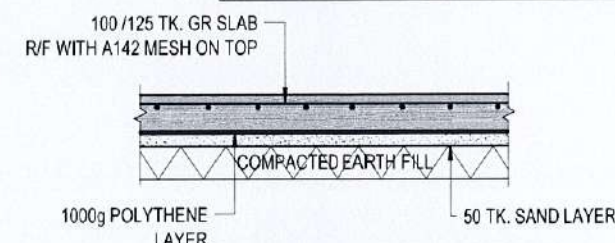
TYPICAL RUBBLE FOUNDATION FOR 100/150 INTERNAL WALL

(SCALE- 1:30)

NOTES:-

- FOR GENERAL NOTES REFER DRAWING S01.
- FOR TYPICAL DETAILS REFER DRAWINGS S02.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL AND ENGINEERING DRAWINGS AND SPECIFICATIONS.
- ALL DIMENSIONS ARE GIVEN IN MILLIMETERS
- CONCRETE MIX TO BE AS FOLLOWS TO BSEN-206-1 WITH A NOMINAL MAXIMUM AGGREGATE SIZE OF 20mm.
FOUNDATION: RC WALL COLUMN & BEAM - C25
GROUND FLOOR SLAB - C25
- NO CONCRETE IS TO BE POURED UNTIL THE REINFORCEMENT HAS BEEN INSPECTED AND APPROVED BY THE ENGINEER.
- WATER PROOFING AS SPECIFIED TO BE APPLIED ON ALL WATER RETAINING AND EXCLUDING SURFACES.
- SLAB OPENINGS: SIZE AND POSITION TO BE CHECKED WITH ARCHITECTURAL AND M&E DRAWINGS.
- ALL STRUCTURAL COLUMNS ARE CENTERED AT GRID LOCATIONS, UNLESS OTHERWISE NOTED
- SOIL UNDER THE FOUNDATION, GROUND FLOOR SLAB AND AT PERIMETER OF THE BUILDING IS TO BE CHEMICALLY TREATED TO PROVIDE A CONTINUOUS BARRIER AGAINST TERMITE ATTACK.
- COVER TO R/F AS FOLLOWS

GABLE BEAM/EAVE BEAM	
TOP, BOTTOM, SIDES	-25mm.
GROUND FLOOR SLAB	
TOP	-30mm.
FOUNDATION	
BOTTOM, SIDES	-50mm.
COLUMN	
BELOW GROUND	-50mm.
ABOVE GROUND	-30mm.
TIE BEAM	
TOP	-25mm.
SIDES	-40mm.
BOTTOM RESTING ON RRM	-25mm.
RESTING ON EARTH	-40mm.
SUNSHADE SLAB	
TOP	-30mm.
BOTTOM	-25mm.
LINTEL BEAM	
TOP, BOTTOM & SIDES	-25mm.
INTERNAL FLOOR BEAM	
TOP	-30mm.
BOTTOM	-30mm.
SIDES	-30mm.
INTERNAL FLOOR SLAB	
TOP, BOTTOM & SIDES	-30mm.
OUTDOOR BEAM	
TOP	-40mm.
BOTTOM	-30mm.
SIDES	-40mm.
OUTDOOR SLAB	
TOP	-30mm.
BOTTOM	-25mm.
SIDES	-30mm.



TYPICAL SECTION THRO. GROUND FLOOR

(SCALE- 1:30)



MINISTRY OF HEALTH

ADB FUNDED
HEALTH SYSTEM ENHANCEMENT PROJECT(HSEP)

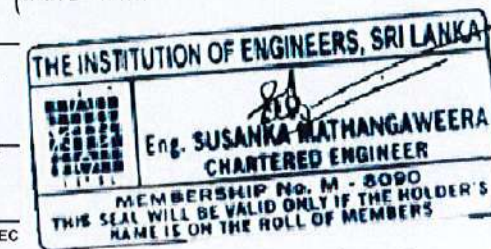
DESIGN AND SUPERVISION CONSULTANCY
FOR INFRASTRUCTURE DEVELOPMENT
REP NO.: HSEP/PMU/PROS1/05/2018

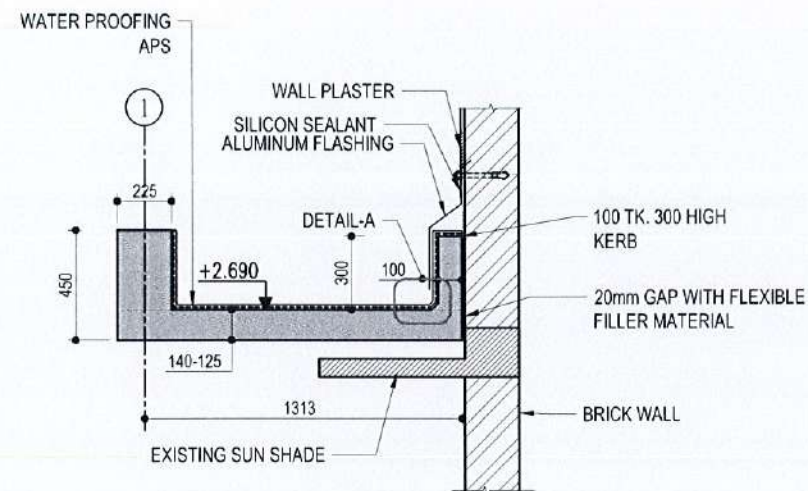
CENTRAL CLINIC AT GALAGEDARA M.O.H OFFICE,
KANDY DISTRICT, CENTRAL PROVINCE



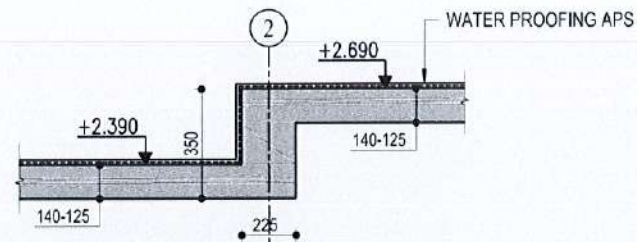
RESOURCE DEVELOPMENT CONSULTANTS (Pvt) Ltd.
No- 55, 2nd, Galle Road, Colombo 03.

DRAWING TITLE	TYPICAL FOUNDATION DETAILS	DESIGNED BY	CHECKED BY
DRG. NO	RDC / HSEP / CTRL / KDY / GLG / S03.4	SM	SH
SCALE	DATE	SHEET NO	DRAWN
AS GIVEN	29/6/2022	S03.4	LAL
			DRAFTING CHEC
			AZAD

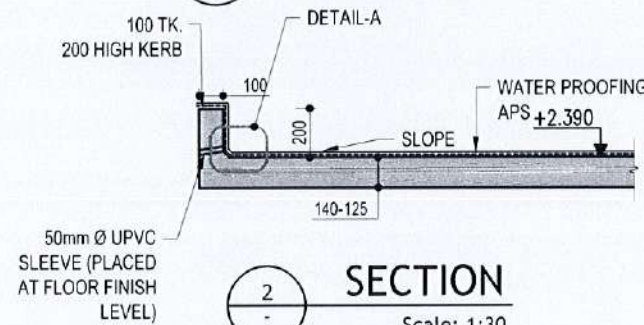




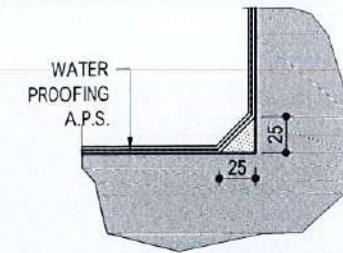
SECTION 1
Scale: 1:30



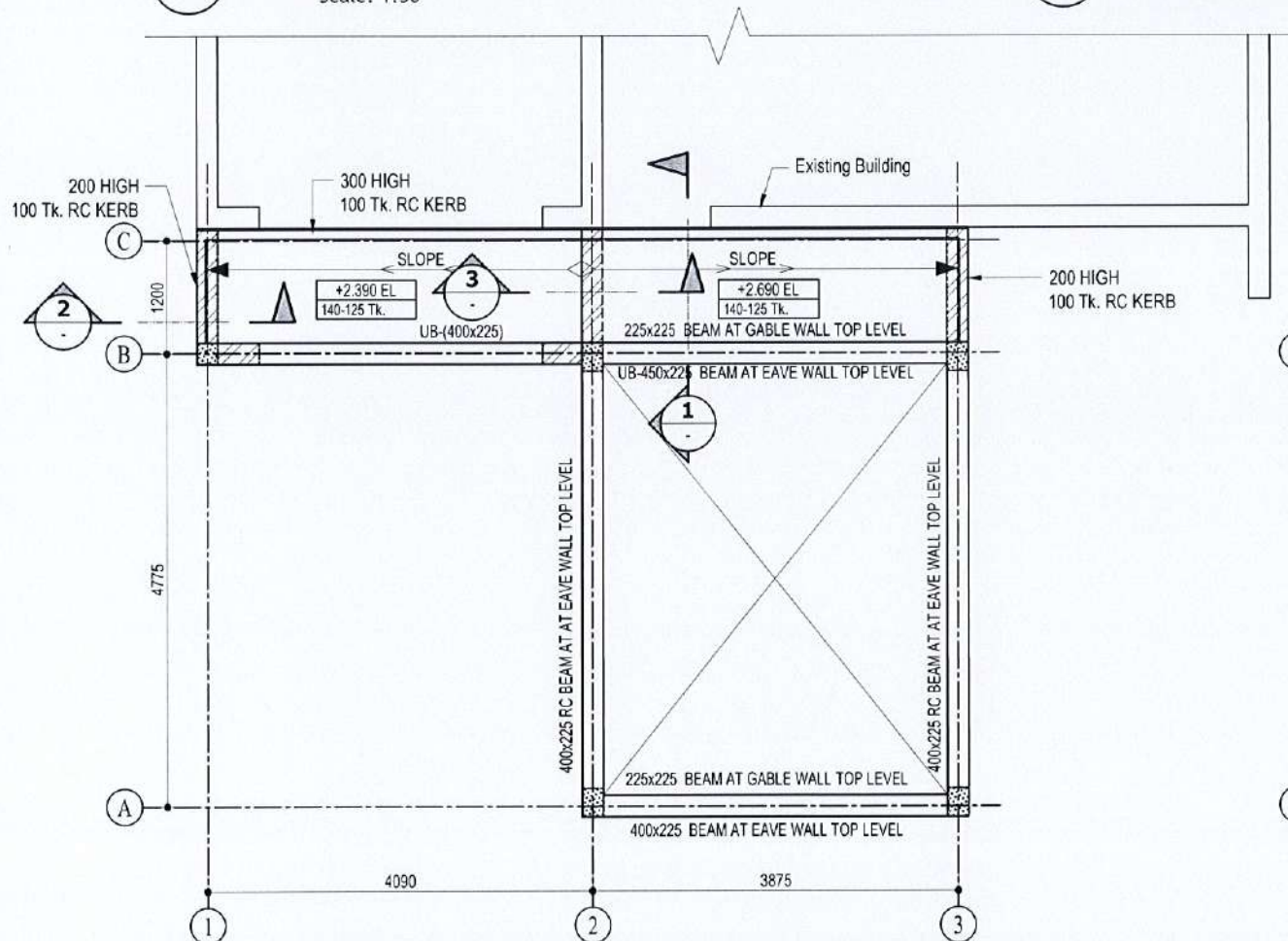
SECTION 2
Scale: 1:30



SECTION 3
Scale: 1:30

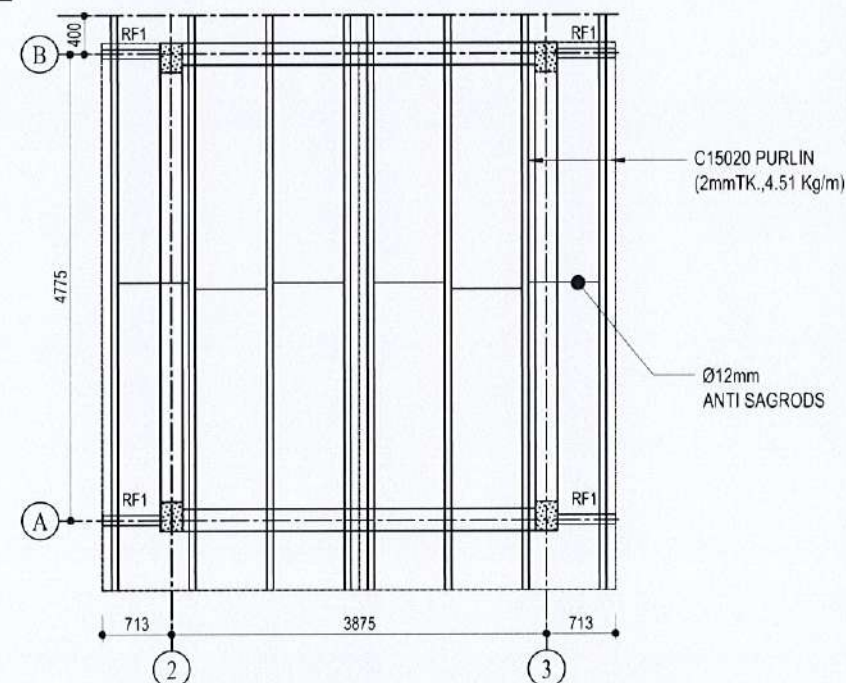


DETAIL-A
Scale: 1:5



GENERAL ARRANGEMENT OF ROOF BEAMS
Scale: 1:75

RAFTER TYPE	SIZE
RF1	200 x 100 x 18.2kg/m



GENERAL ARRANGEMENT OF ROOF
Scale: 1:75

NOTES:-

1. SLOPE ANGLE OF THE ROOF SHALL BE CONFIRMED WITH THE ARCHITECT BEFORE FABRICATION
2. SHOP DRAWINGS FOR THE ROOF SHALL BE PREPARED AND CONFIRMED WITH THE ARCHITECT AND THE ENGINEER BEFORE FABRICATION

NOTES:-

1. ALL STEEL MEMBERS TO BE GRADE S275.
2. ALL CONCRETE MEMBERS TO BE GRADE C25
3. CONCRETE GRADE OF RC CURBS C25
4. ALL BOLTS TO BE GRADE 8.8 TO BS 4190
5. UNLESS OTHERWISE SPECIFIED BOLT SIZE TO BE M16.
6. ALL BOLT HOLES TO BE MACHINE DRILLED.
7. ALL FILLET WELDS ARE 8mm TK. CONTINUOUS FILLET WELDS.
8. MINIMUM WELD LENGTH TO BE 150mm.
9. MINIMUM EDGE DISTANCE TO BE 50mm.
10. ALL WELDED JOINTS TO BE LOCALLY GALVANIZED AT SITE.
11. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR CONSULTANT BEFORE INSTALLING FOR APPROVAL.
12. ALL BOLTS AND NUTS TO BE HOT DIPPED GALVANIZED.
13. STEEL MEMBER PAINTING TO BE AS PER SPECIFICATIONS.
14. MINIMUM WELD STRENGTH OF PURLIN TO BE 450N/mm².
15. ALL PURLIN BOLTS TO BE TIGHTENED TO 55 Nm TORQUE.
16. ANCHOR BOLT THREADED LENGTH TO BE 10mm PLUS BOLT DIAMETER.
17. BASE PLATE CLEARANCE HOLES TO BE 6mm LARGER THAN BOLT DIAMETER.
18. ALL MS ROD BRACING TO BE HOT DIPPED GALVANIZED.
19. MINIMUM YIELD STRENGTH OF PURLIN TO BE 450N/mm².



MINISTRY OF HEALTH



ADB FUNDED
HEALTH SYSTEM ENHANCEMENT PROJECT (HSEP)

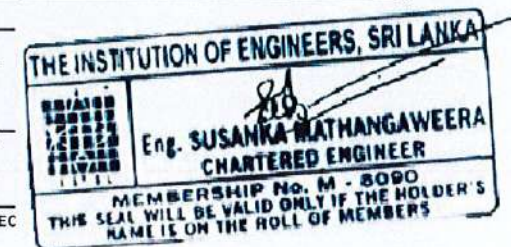
DESIGN AND SUPERVISION CONSULTANCY
FOR INFRASTRUCTURE DEVELOPMENT
REP NO.: HSEP/PMU/PROS1/05/2018

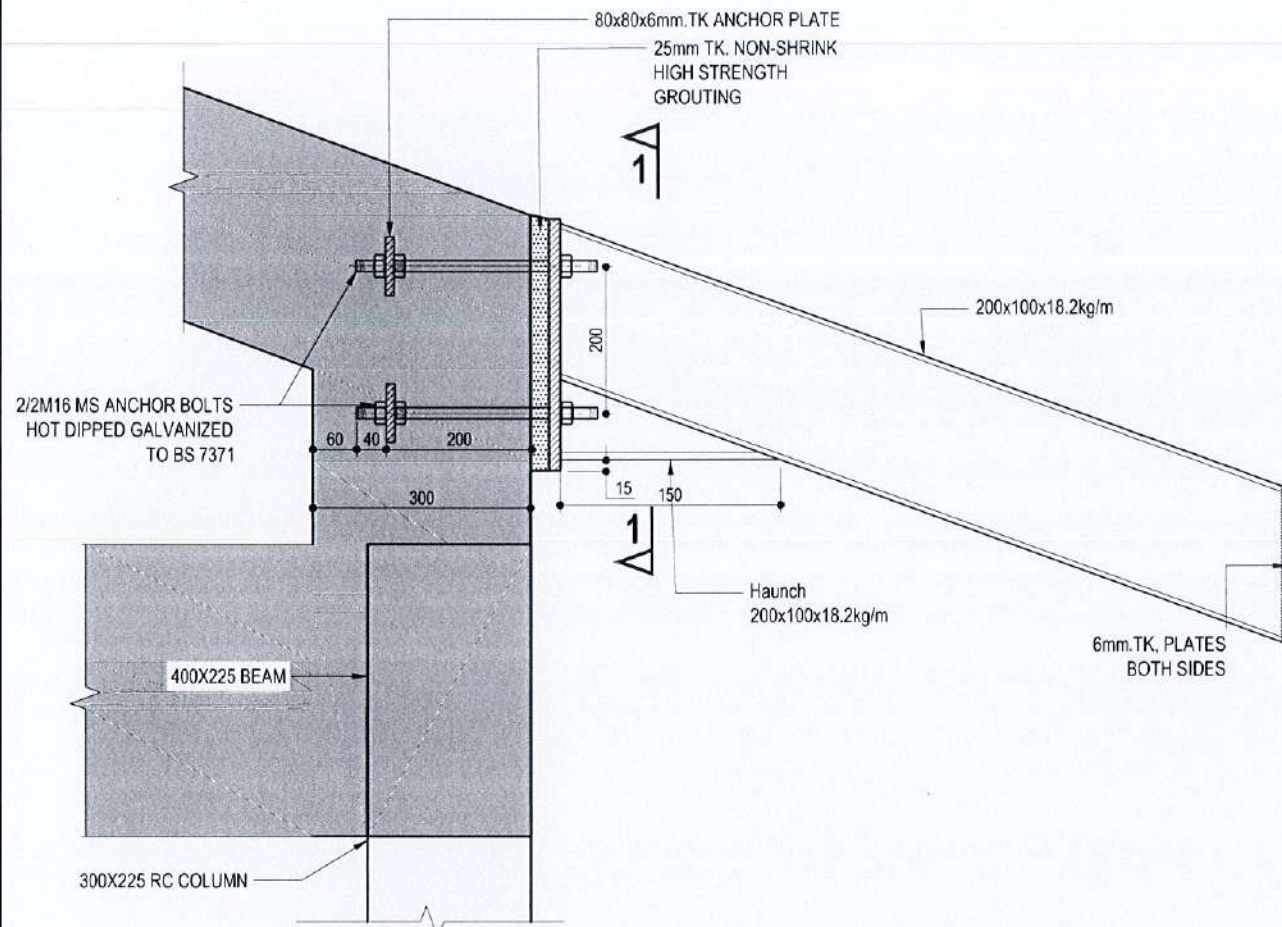
CENTRAL CLINIC AT GALAGEDARA M.O.H OFFICE,
KANDY DISTRICT, CENTRAL PROVINCE



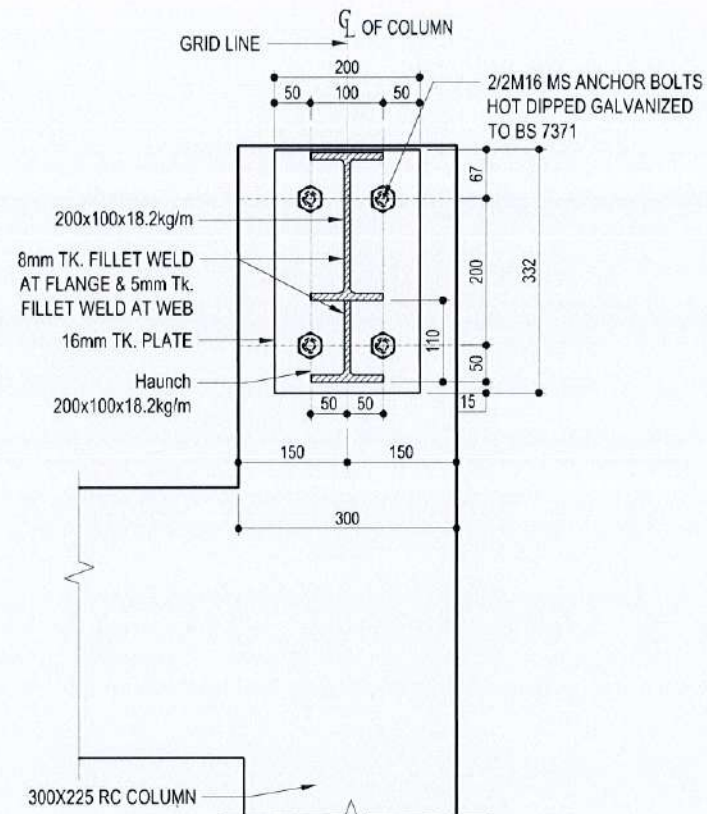
RESOURCE DEVELOPMENT CONSULTANTS (Pvt) Ltd.
No- 55, 2nd Floor, Galle Road, Colombo 03.

DRAWING TITLE	GENERAL ARRANGEMENT OF ROOF BEAM AND ROOF (EXTENSION BUILDING)	DESIGNED BY	CHECKED BY
ORG. NO	RDC / HSEP / CTRL / KDY / GLG / S04	SM	SH
SCALE	AS GIVEN	DATE	29/6/2022
SHEET NO	S04	DRAWN	LAL
		DRAFTING CHC	AZAD

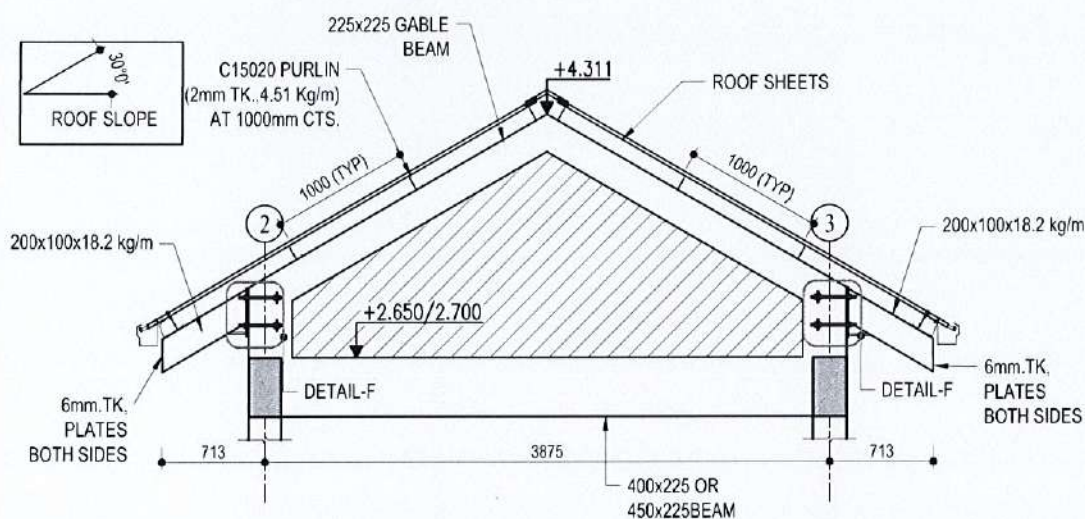




DETAIL F
Scale: 1:10



SECTION 1-1
Scale: 1:10



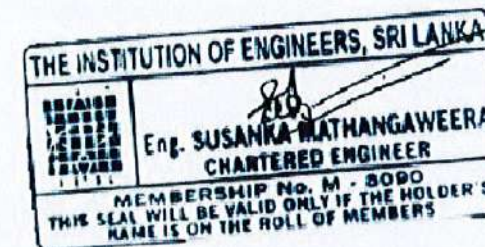
FRAME ALONG GRID-A & B
Scale: 1:50

NOTES:-

1. SLOPE ANGLE OF THE ROOF SHALL BE CONFIRMED WITH THE ARCHITECT BEFORE FABRICATION
2. SHOP DRAWINGS FOR THE ROOF SHALL BE PREPARED AND CONFIRMED WITH THE ARCHITECT AND THE ENGINEER BEFORE FABRICATION

NOTES:-

1. ALL STEEL MEMBERS TO BE GRADE S275.
2. ALL CONCRETE MEMBERS TO BE GRADE C25
3. CONCRETE GRADE OF RC CURBS C25
4. ALL BOLTS TO BE GRADE 8.8 TO BS 4190
5. UNLESS OTHERWISE SPECIFIED BOLT SIZE TO BE M16.
6. ALL BOLT HOLES TO BE MACHINE DRILLED.
7. ALL FILLET WELDS ARE 8mm TK. CONTINUOUS FILLET WELDS.
8. MINIMUM WELD LENGTH TO BE 150mm.
9. MINIMUM EDGE DISTANCE TO BE 50mm.
10. ALL WELDED JOINTS TO BE LOCALLY GALVANIZED AT SITE.
11. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR CONSULTANT BEFORE INSTALLING FOR APPROVAL.
12. ALL BOLTS AND NUTS TO BE HOT DIPPED GALVANIZED.
13. STEEL MEMBER PAINTING TO BE AS PER SPECIFICATIONS.
14. MINIMUM WELD STRENGTH OF PURLIN TO BE 450N/mm².
15. ALL PURLIN BOLTS TO BE TIGHTENED TO 55 Nm TORQUE.
16. ANCHOR BOLT THREADED LENGTH TO BE 10mm PLUS BOLT DIAMETER.
17. BASE PLATE CLEARANCE HOLES TO BE 6mm LARGER THAN BOLT DIAMETER.
18. ALL MS ROD BRACING TO BE HOT DIPPED GALVANIZED.
19. MINIMUM YIELD STRENGTH OF PURLIN TO BE 450N/mm².



MINISTRY OF HEALTH

ADB FUNDED
HEALTH SYSTEM ENHANCEMENT PROJECT(HSEP)

**DESIGN AND SUPERVISION CONSULTANCY
FOR INFRASTRUCTURE DEVELOPMENT**
REP NO.: HSEP/PMU/PROS1/05/2018

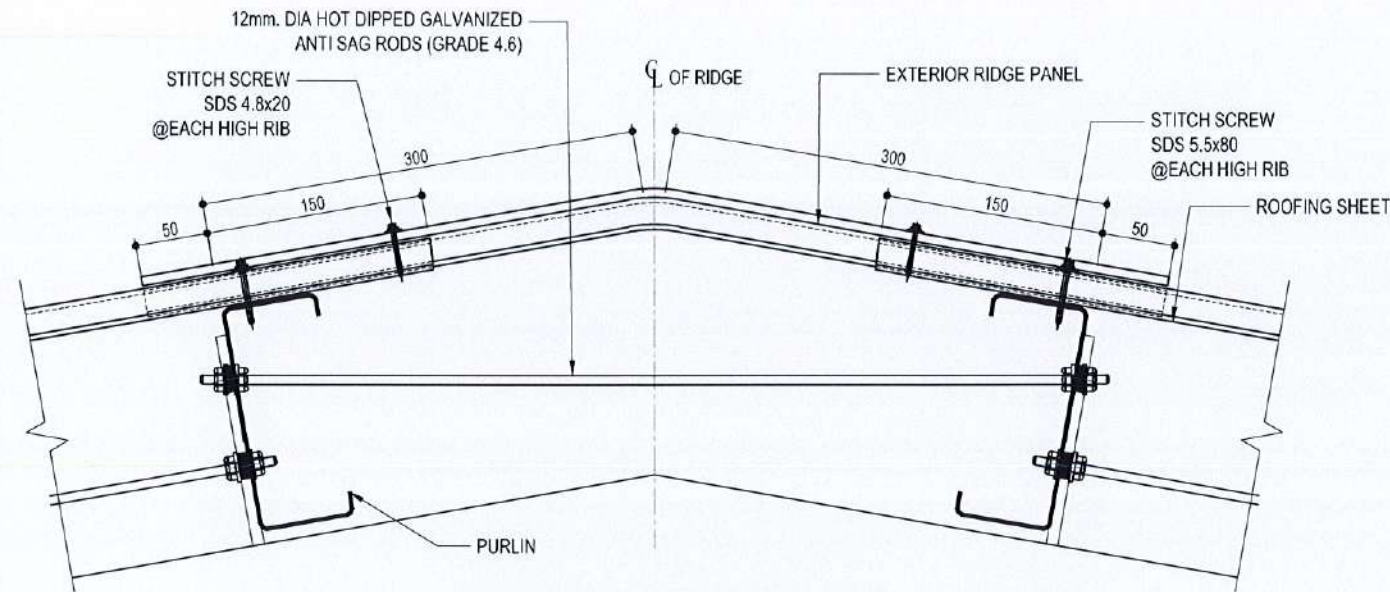
**CENTRAL CLINIC AT GALAGEDARA M.O.H OFFICE,
KANDY DISTRICT , CENTRAL PROVINCE**



RESOURCE DEVELOPMENT CONSULTANTS (Pvt) Ltd.
No- 55 / 2nd , Galle Road , Colombo 03.

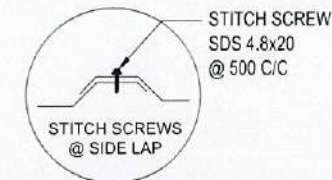
DRAWING TITLE	ROOF SECTION	DESIGNED BY	CHECKED BY
DRG. NO	RDC / HSEP / CTRL / KDY / GLG / S04.1	SM	SH
SCALE	DATE	SHEET NO	DRAWN
AS GIVEN	29/6/2022	S04.1	LAL
			DRAFTING CHECK
			AZAD

REV.	DESCRIPTION	DATE



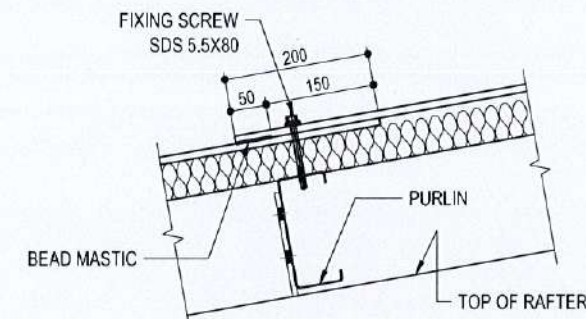
TYPICAL RIDGE DETAIL

Scale: 1:5



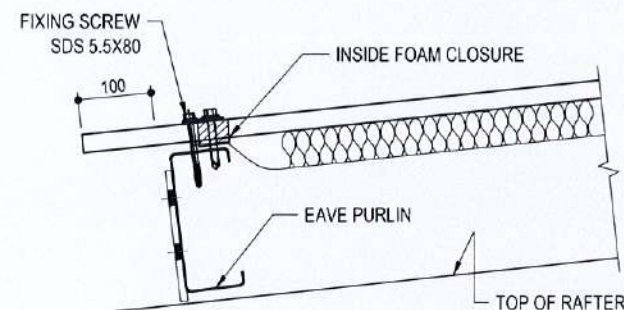
ROOF SHEET LAP DETAIL

Scale: 1:5



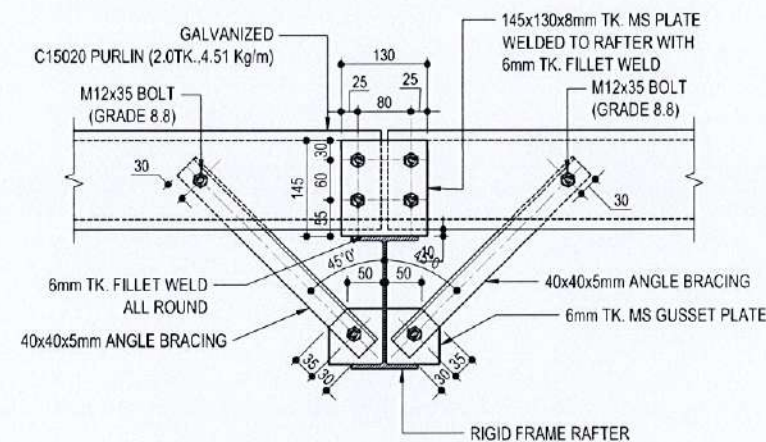
ROOF SHEET OVERLAP DETAILS

Scale: 1:10



EAVE PURLIN DETAILS

Scale: 1:10



TYP. FLANGE BRACING DETAIL

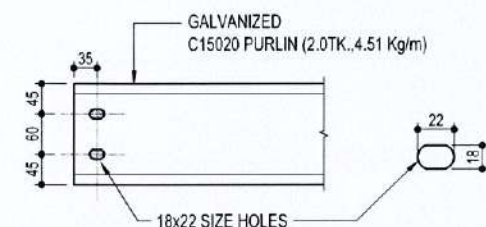
Scale: 1:10

NOTE:-

- ALL BOLTS ARE M12 UNLESS OTHERWISE.
- THIS BRACING TO BE PROVIDED TO BOTH FIRST & SECOND PURLINS AT BOTH SIDES OF SUPPORTS COLUMNS ALONG ROOF RIDGE LINE.
- FOR OTHER AREA EVERY ALTERNATIVE PURLIN TO BE PROVIDED WITH THIS BRACING INCLUDING EAVE PURLIN.

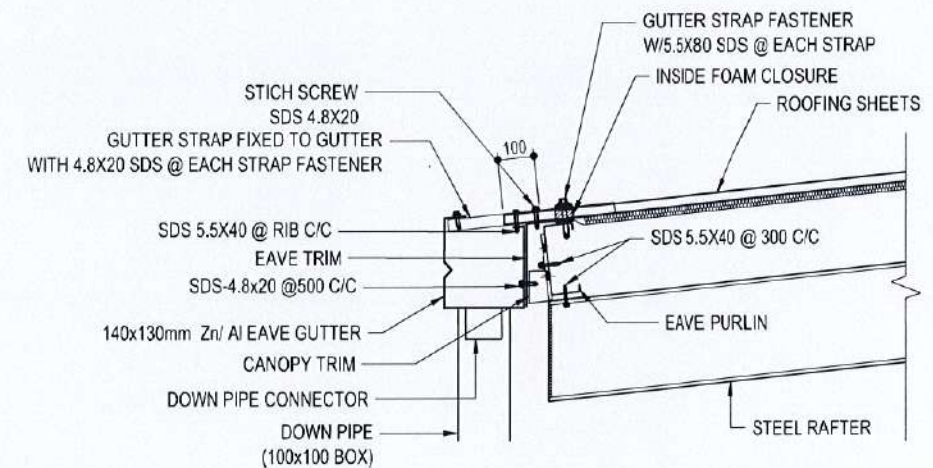
NOTE:-

1. SLOPE ANGLE OF THE ROOF SHALL BE CONFIRMED WITH THE ARCHITECT BEFORE FABRICATION
2. SHOP DRAWINGS FOR THE ROOF SHALL BE PREPARED AND CONFIRMED WITH THE ARCHITECT AND THE ENGINEER BEFORE FABRICATION



HOLE DETAIL & GAUGE LINE

Scale: 1:10



TYP. GUTTER FIXING DETAIL

Scale: 1:20

NOTE:- GUTTER LAP TO BE 150mm SEALED WITH BEAD MASTIC.
SDS - SELF DRILLING SCREW



MINISTRY OF HEALTH



ADB FUNDED
HEALTH SYSTEM ENHANCEMENT PROJECT(HSEP)

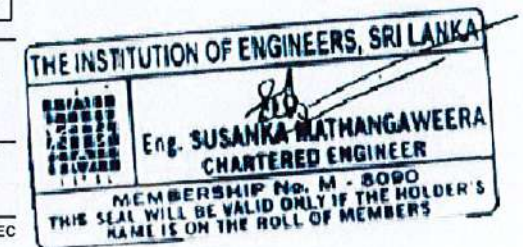
**DESIGN AND SUPERVISION CONSULTANCY
FOR INFRASTRUCTURE DEVELOPMENT**
REP NO.: HSEP/PMU/PROS1/05/2018

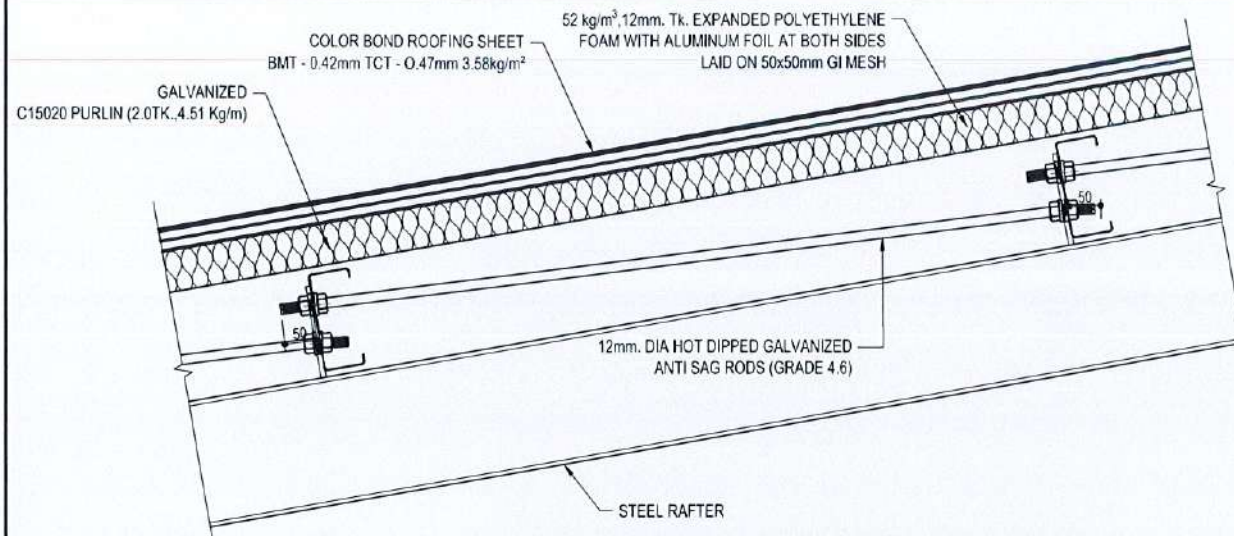
**CENTRAL CLINIC AT GALAGEDARA M.O.H OFFICE,
KANDY DISTRICT , CENTRAL PROVINCE**



RESOURCE DEVELOPMENT CONSULTANTS (Pvt) Ltd.
No- 55 , 2/1 , Galle Road , Colombo 03.

DRAWING TITLE	ROOF DETAILS -1		DESIGNED BY	CHECKED BY
DRG. NO	RDC / HSEP / CTRL / KDY / GLG / S04.2		SM	SH
SCALE	DATE	SHEET NO	DRAWN	DRAFTING CHC
AS GIVEN	29/6/2022	S04.2	LAL	AZAD





TYP. ANTI SAG ROD FIXING DETAIL TO ROOF PURLINS & ROOF SHEET DETAILS

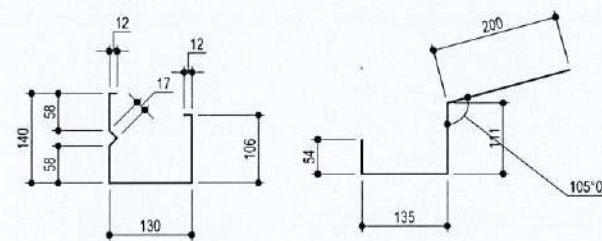
Scale: 1:10

NOTES:-

1. ALL STEEL MEMBERS TO BE GRADE S275.
2. ALL CONCRETE MEMBERS TO BE GRADE C25
3. CONCRETE GRADE OF RC CURBS C25
4. ALL BOLTS TO BE GRADE 8.8 TO BS 4190
5. UNLESS OTHERWISE SPECIFIED BOLT SIZE TO BE M16.
6. ALL BOLT HOLES TO BE MACHINE DRILLED.
7. ALL FILLET WELDS ARE 8mm TK. CONTINUOUS FILLET WELDS.
8. MINIMUM WELD LENGTH TO BE 150mm.
9. MINIMUM EDGE DISTANCE TO BE 50mm.
10. ALL WELDED JOINTS TO BE LOCALLY GALVANIZED AT SITE.
11. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR CONSULTANT BEFORE INSTALLING FOR APPROVAL.
12. ALL BOLTS AND NUTS TO BE HOT DIPPED GALVANIZED.
13. STEEL MEMBER PAINTING TO BE AS PER SPECIFICATIONS.
14. MINIMUM WELD STRENGTH OF PURLIN TO BE 450N/mm².
15. ALL PURLIN BOLTS TO BE TIGHTENED TO 55 Nm TORQUE.
16. ANCHOR BOLT THREADED LENGTH TO BE 10mm PLUS BOLT DIAMETER.
17. BASE PLATE CLEARANCE HOLES TO BE 6mm LARGER THAN BOLT DIAMETER.
18. ALL MS ROD BRACING TO BE HOT DIPPED GALVANIZED.
19. MINIMUM YIELD STRENGTH OF PURLIN TO BE 450N/mm².

NOTES:-

1. SLOPE ANGLE OF THE ROOF SHALL BE CONFIRMED WITH THE ARCHITECT BEFORE FABRICATION
2. SHOP DRAWINGS FOR THE ROOF SHALL BE PREPARED AND CONFIRMED WITH THE ARCHITECT AND THE ENGINEER BEFORE FABRICATION



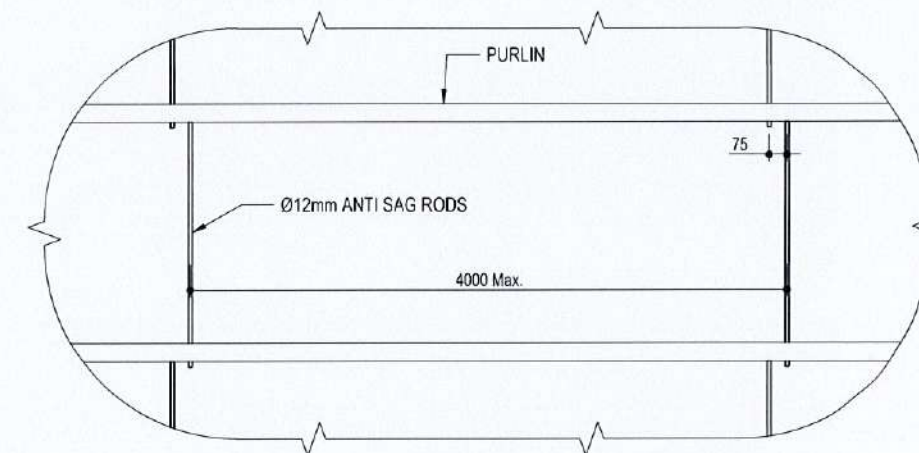
Girth - 405mm
GUTTER (TYPE M)

Scale 1:10

Girth - 500mm
GUTTER BRACKET (TYPE M)

Scale 1:10

NOTE: GUTTER SHAPE NEED TO BE CONFIRMED BY THE ARCHITECT



DETAIL OF ANTI SAG ROD SPACING

Scale: 1:30

NOTE:-

Ø12mm ANTI SAG RODS TO BE FIXED FOR PURLINS AT A SPACING NOT GREATER THAN 20 TIMES OF PURLIN.



MINISTRY OF HEALTH



ADB FUNDED
HEALTH SYSTEM ENHANCEMENT PROJECT(HSEP)

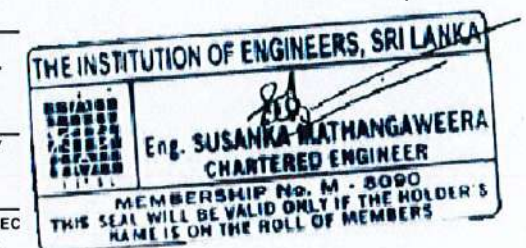
DESIGN AND SUPERVISION CONSULTANCY
FOR INFRASTRUCTURE DEVELOPMENT
REP NO.: HSEP/PMU/PROS1/05/2018

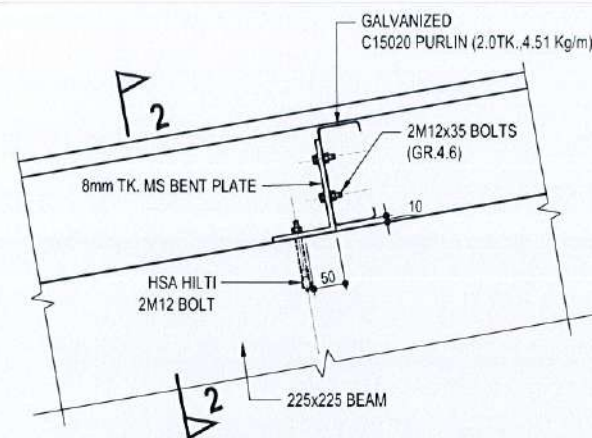
CENTRAL CLINIC AT GALAGEDARA M.O.H OFFICE,
KANDY DISTRICT, CENTRAL PROVINCE



RESOURCE DEVELOPMENT CONSULTANTS (Pvt) Ltd.
No- 55, 2nd, Galle Road, Colombo 03.

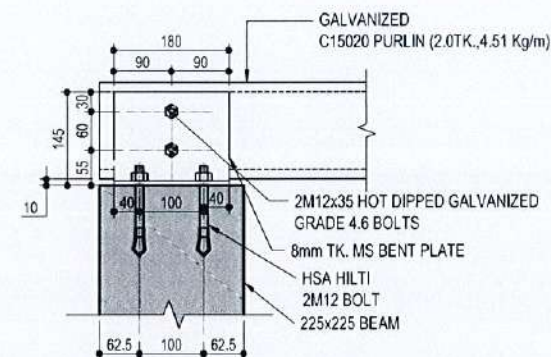
DRAWING TITLE	ROOF DETAILS-2		DESIGNED BY	CHECKED BY
DRG. NO	RDC / HSEP / CTRL / KDY / GLG / S04.3		SM	SH
SCALE	DATE	SHEET NO	DRAWN	DRAFTING CHECK
AS GIVEN	29/6/2022	S04.3	LAL	AZAD





**TYP. GABLE RC BEAM & PURLIN
CONNECTION DETAIL**

Scale: 1:10



SECTION 2-2

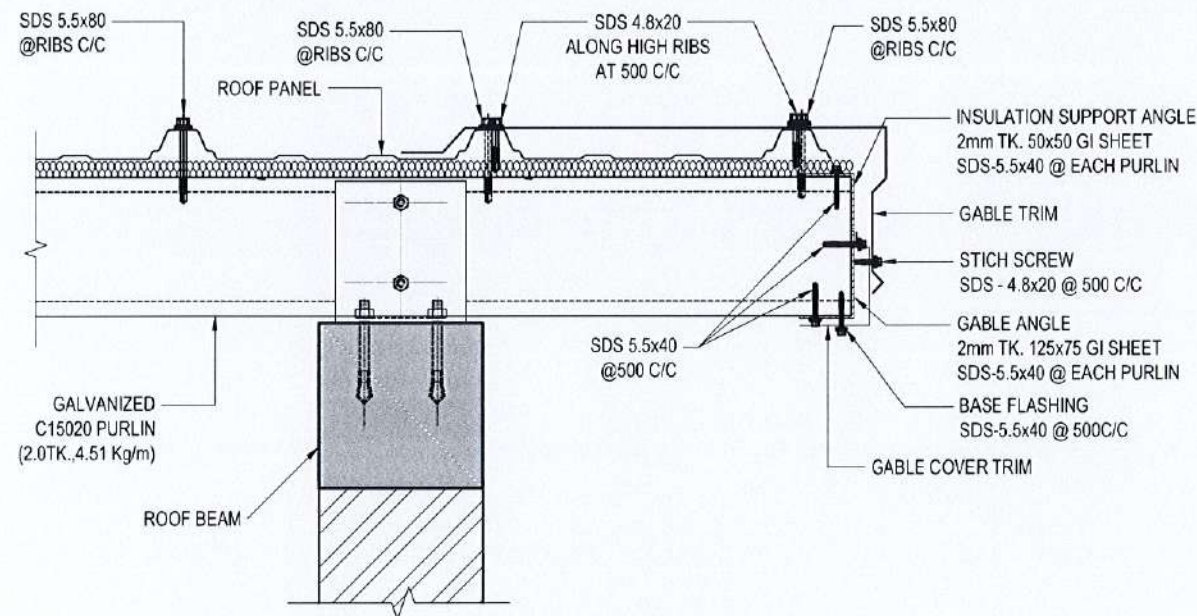
Scale: 1:10

NOTES:-

1. ALL STEEL MEMBERS TO BE GRADE S275.
2. ALL CONCRETE MEMBERS TO BE GRADE C25
3. CONCRETE GRADE OF RC CURBS C25
4. ALL BOLTS TO BE GRADE 8.8 TO BS 4190
5. UNLESS OTHERWISE SPECIFIED BOLT SIZE TO BE M16.
6. ALL BOLT HOLES TO BE MACHINE DRILLED.
7. ALL FILLET WELDS ARE 8mm TK. CONTINUOUS FILLET WELDS.
8. MINIMUM WELD LENGTH TO BE 150mm.
9. MINIMUM EDGE DISTANCE TO BE 50mm.
10. ALL WELDED JOINTS TO BE LOCALLY GALVANIZED AT SITE.
11. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR CONSULTANT BEFORE INSTALLING FOR APPROVAL.
12. ALL BOLTS AND NUTS TO BE HOT DIPPED GALVANIZED.
13. STEEL MEMBER PAINTING TO BE AS PER SPECIFICATIONS.
14. MINIMUM WELD STRENGTH OF PURLIN TO BE 450N/mm².
15. ALL PURLIN BOLTS TO BE TIGHTENED TO 55 Nm TORQUE.
16. ANCHOR BOLT THREADED LENGTH TO BE 10mm PLUS BOLT DIAMETER.
17. BASE PLATE CLEARANCE HOLES TO BE 6mm LARGER THAN BOLT DIAMETER.
18. ALL MS ROD BRACING TO BE HOT DIPPED GALVANIZED.
19. MINIMUM YIELD STRENGTH OF PURLIN TO BE 450N/mm².

NOTES:-

1. SLOPE ANGLE OF THE ROOF SHALL BE CONFIRMED WITH THE ARCHITECT BEFORE FABRICATION
2. SHOP DRAWINGS FOR THE ROOF SHALL BE PREPARED AND CONFIRMED WITH THE ARCHITECT AND THE ENGINEER BEFORE FABRICATION



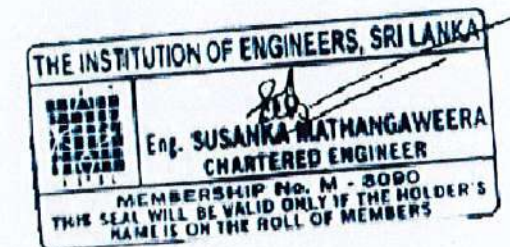
TYP. GABLE CAPPING DETAILS

Scale: 1:10

NOTE:

- ALL THE ROOFING SHEET TO PURLIN CONNECTIONS TO BE USING SDS 5.5X80
- ALL TRIM TO PURLIN/ GI ANGLE CONNECTIONS TO BE USING SDS 5.5X40
- ALL TRIM TO ROOFING SHEET/ TRIM CONNECTIONS TO BE USING SDS 4.8X20

DIMENSIONS OF CEE PURLIN					
CATALOGUE NO.	t mm	D mm	Mass per unit length kg/m	B mm	L mm
C15020	2.0	150	4.51	65	17



MINISTRY OF HEALTH



ADB FUNDED
HEALTH SYSTEM ENHANCEMENT PROJECT(HSEP)

**DESIGN AND SUPERVISION CONSULTANCY
FOR INFRASTRUCTURE DEVELOPMENT**
REP NO.: HSEP/PMU/PROS1/05/2018

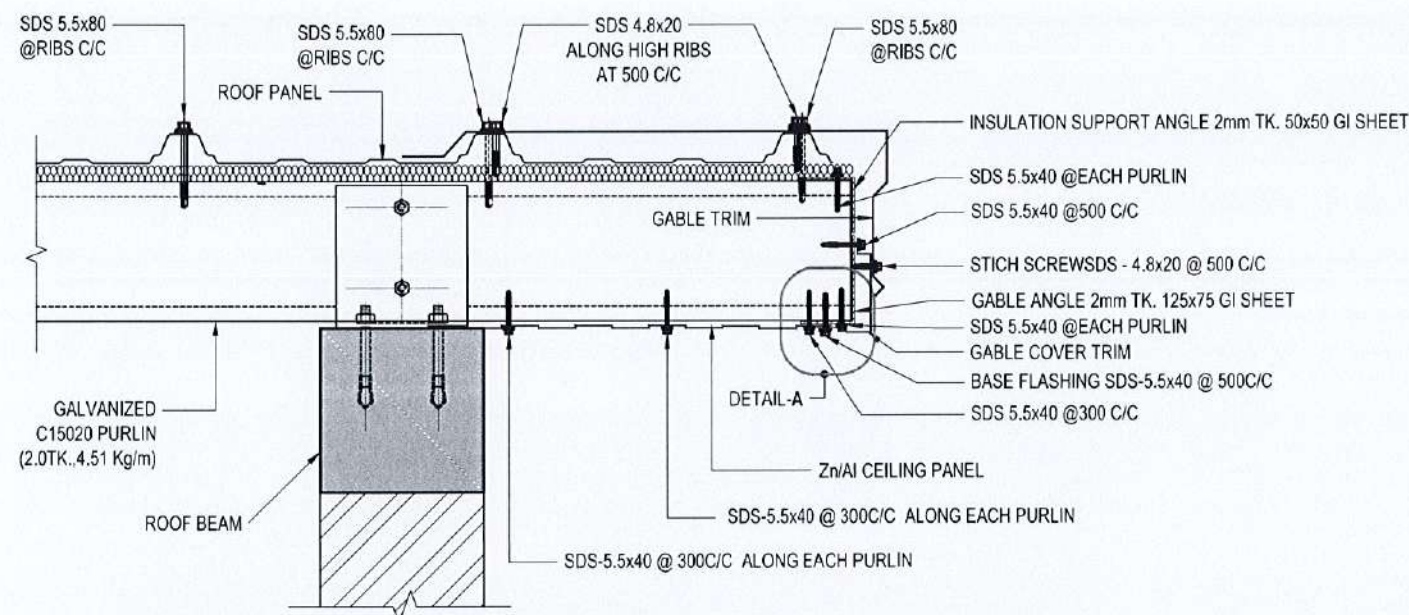
**CENTRAL CLINIC AT GALAGEDARA M.O.H OFFICE,
KANDY DISTRICT , CENTRAL PROVINCE**



RESOURCE DEVELOPMENT CONSULTANTS (Pvt) Ltd.
No- 55 , 2/1 , Galle Road , Colombo 03.

DRAWING TITLE	ROOF DETAILS-3	DESIGNED BY	CHECKED BY
DRG. NO	RDC / HSEP / CTRL / KDY / GLG /S04.4	SM	SH
SCALE	DATE	SHEET NO	DRAWN
AS GIVEN	29/6/2022	S04.4	LAL
			DRAFTING CHECK
			AZAD

REV.	DESCRIPTION	DATE



TYP. EXTERNAL CEILING FIXING DETAIL AT GABLE END

Scale: 1:10

NOTE:

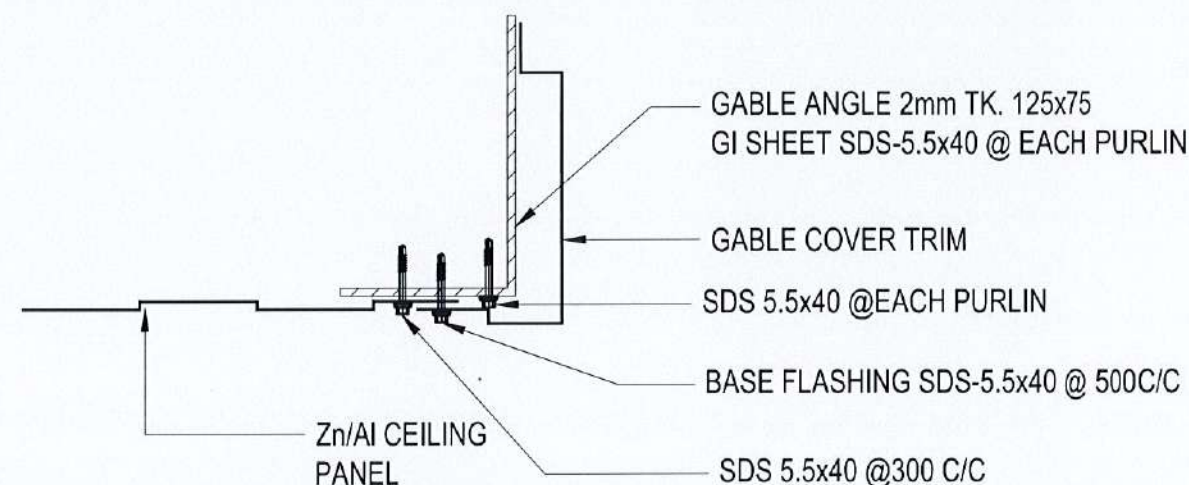
- ALL THE ROOFING SHEET TO PURLIN CONNECTIONS TO BE USING SDS 5.5X80
- ALL TRIM TO PURLIN/ GI ANGLE CONNECTIONS TO BE USING SDS 5.5X40
- ALL TRIM TO ROOFING SHEET/ TRIM CONNECTIONS TO BE USING SDS 4.8X20

NOTES:-

1. ALL STEEL MEMBERS TO BE GRADE S275.
2. ALL CONCRETE MEMBERS TO BE GRADE C25
3. CONCRETE GRADE OF RC CURBS C25
4. ALL BOLTS TO BE GRADE 8.8 TO BS 4190
5. UNLESS OTHERWISE SPECIFIED BOLT SIZE TO BE M16.
6. ALL BOLT HOLES TO BE MACHINE DRILLED.
7. ALL FILLET WELDS ARE 8mm TK. CONTINUOUS FILLET WELDS.
8. MINIMUM WELD LENGTH TO BE 150mm.
9. MINIMUM EDGE DISTANCE TO BE 50mm.
10. ALL WELDED JOINTS TO BE LOCALLY GALVANIZED AT SITE.
11. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR CONSULTANT BEFORE INSTALLING FOR APPROVAL.
12. ALL BOLTS AND NUTS TO BE HOT DIPPED GALVANIZED.
13. STEEL MEMBER PAINTING TO BE AS PER SPECIFICATIONS.
14. MINIMUM WELD STRENGTH OF PURLIN TO BE 450N/mm².
15. ALL PURLIN BOLTS TO BE TIGHTENED TO 55 Nm TORQUE.
16. ANCHOR BOLT THREADED LENGTH TO BE 10mm PLUS BOLT DIAMETER.
17. BASE PLATE CLEARANCE HOLES TO BE 6mm LARGER THAN BOLT DIAMETER.
18. ALL MS ROD BRACING TO BE HOT DIPPED GALVANIZED.
19. MINIMUM YIELD STRENGTH OF PURLIN TO BE 450N/mm².

NOTES:-

1. SLOPE ANGLE OF THE ROOF SHALL BE CONFIRMED WITH THE ARCHITECT BEFORE FABRICATION
2. SHOP DRAWINGS FOR THE ROOF SHALL BE PREPARED AND CONFIRMED WITH THE ARCHITECT AND THE ENGINEER BEFORE FABRICATION



DETAIL A

Scale 1:5



MINISTRY OF HEALTH

ADB FUNDED
HEALTH SYSTEM ENHANCEMENT PROJECT(HSEP)

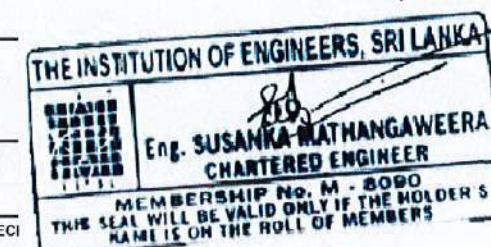
**DESIGN AND SUPERVISION CONSULTANCY
FOR INFRASTRUCTURE DEVELOPMENT**
REP NO.: HSEP/PMU/PROS1/05/2018

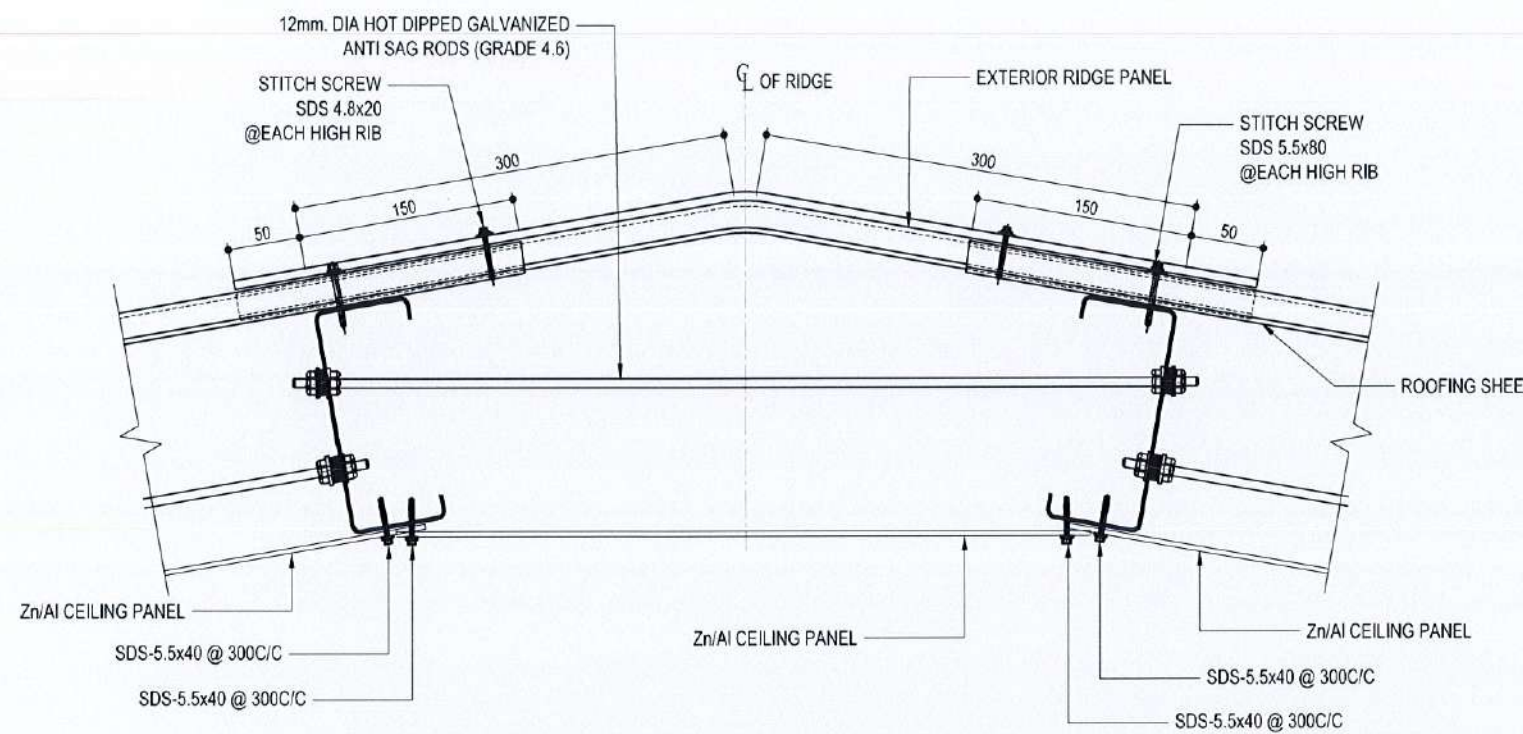
**CENTRAL CLINIC AT GALAGEDARA M.O.H OFFICE,
KANDY DISTRICT , CENTRAL PROVINCE**



RESOURCE DEVELOPMENT CONSULTANTS (Pvt) Ltd.
No- 55 / 2/1 , Galle Road , Colombo 03.

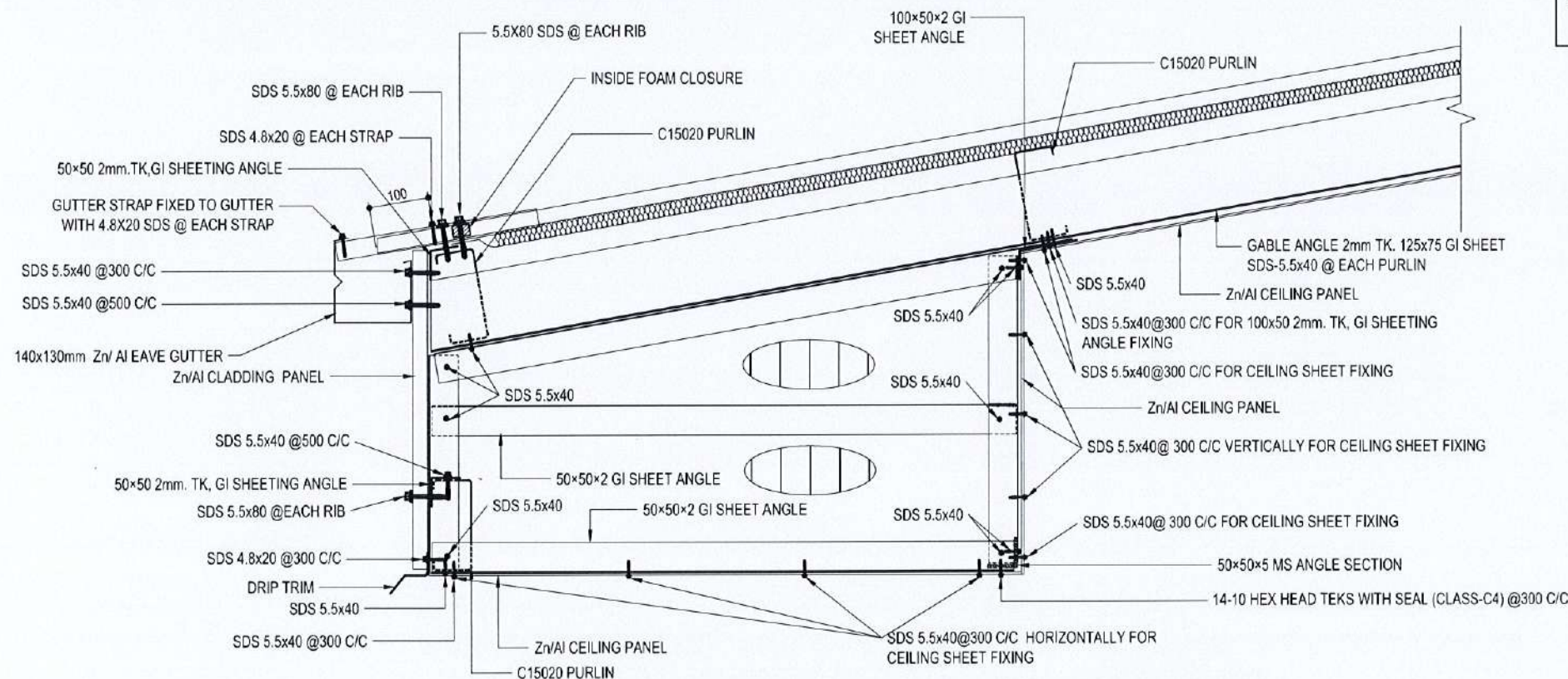
DRAWING TITLE	CEILING DETAILS-1		DESIGNED BY	CHECKED BY
DRG. NO	RDC / HSEP / CTRL / KDY / GLG / S05		SM	SH
SCALE	DATE	SHEET NO	DRAWN	DRAFTING CHECK
AS GIVEN	29/6/2022	S05	LAL	AZAD





TYP. EXTERNAL CEILING FIXING DETAIL FOR RIDGE AT GABLE END

Scale: 1:5



TYP. EAVE CEILING FIXING AT GABLE EAVE - ELEVATION

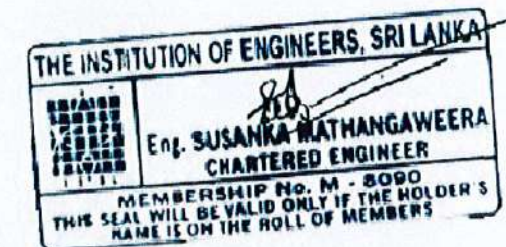
Scale: 1:10

NOTES:-

1. ALL STEEL MEMBERS TO BE GRADE S275.
2. ALL CONCRETE MEMBERS TO BE GRADE C25
3. CONCRETE GRADE OF RC CURBS C25
4. ALL BOLTS TO BE GRADE 8.8 TO BS 4190
5. UNLESS OTHERWISE SPECIFIED BOLT SIZE TO BE M16.
6. ALL BOLT HOLES TO BE MACHINE DRILLED.
7. ALL FILLET WELDS ARE 8mm TK. CONTINUOUS FILLET WELDS.
8. MINIMUM WELD LENGTH TO BE 150mm.
9. MINIMUM EDGE DISTANCE TO BE 50mm.
10. ALL WELDED JOINTS TO BE LOCALLY GALVANIZED AT SITE.
11. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR CONSULTANT BEFORE INSTALLING FOR APPROVAL.
12. ALL BOLTS AND NUTS TO BE HOT DIPPED GALVANIZED.
13. STEEL MEMBER PAINTING TO BE AS PER SPECIFICATIONS.
14. MINIMUM WELD STRENGTH OF PURLIN TO BE 450N/mm².
15. ALL PURLIN BOLTS TO BE TIGHTENED TO 55 Nm TORQUE.
16. ANCHOR BOLT THREADED LENGTH TO BE 10mm PLUS BOLT DIAMETER.
17. BASE PLATE CLEARANCE HOLES TO BE 6mm LARGER THAN BOLT DIAMETER.
18. ALL MS ROD BRACING TO BE HOT DIPPED GALVANIZED.
19. MINIMUM YIELD STRENGTH OF PURLIN TO BE 450N/mm².

NOTES:-

1. SLOPE ANGLE OF THE ROOF SHALL BE CONFIRMED WITH THE ARCHITECT BEFORE FABRICATION
2. SHOP DRAWINGS FOR THE ROOF SHALL BE PREPARED AND CONFIRMED WITH THE ARCHITECT AND THE ENGINEER BEFORE FABRICATION



MINISTRY OF HEALTH



ADB FUNDED
HEALTH SYSTEM ENHANCEMENT PROJECT (HSEP)

**DESIGN AND SUPERVISION CONSULTANCY
FOR INFRASTRUCTURE DEVELOPMENT**
REP NO.: HSEP/PMU/PROS1/05/2018

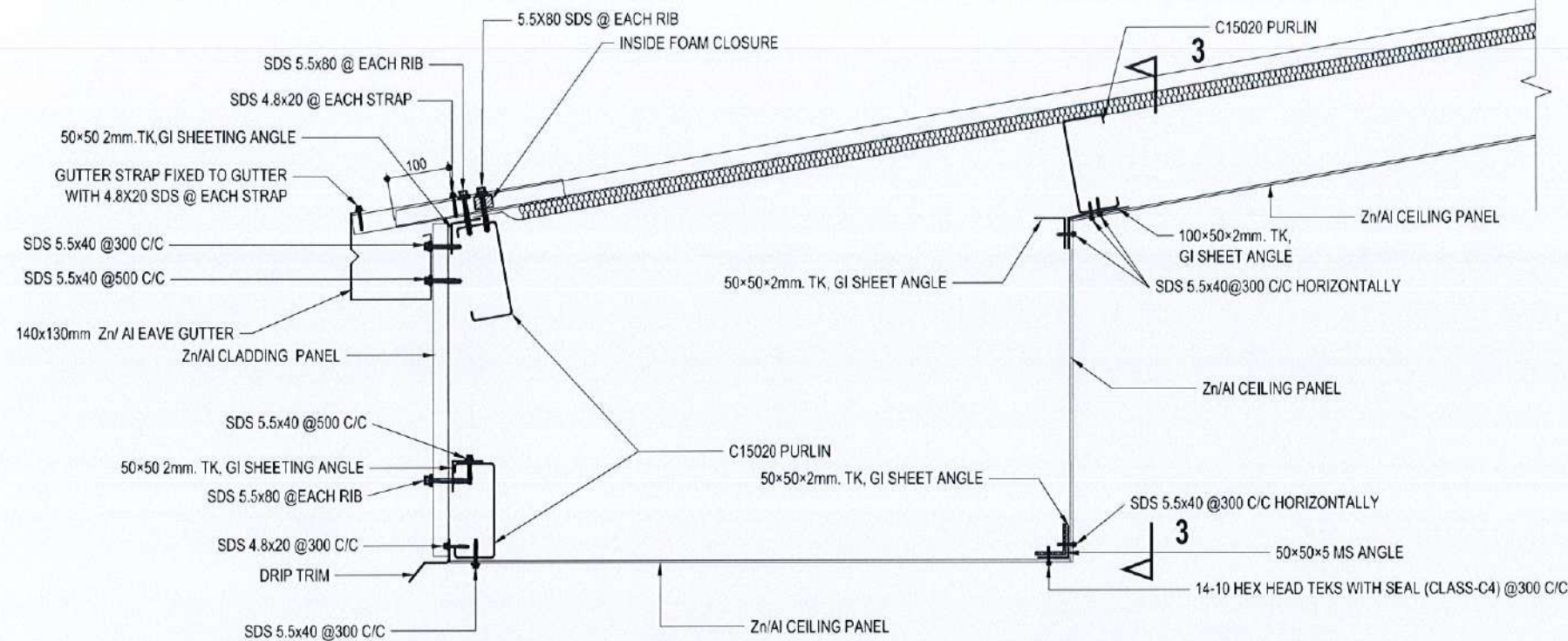
**CENTRAL CLINIC AT GALAGEDARA M.O.H OFFICE,
KANDY DISTRICT , CENTRAL PROVINCE**



RESOURCE DEVELOPMENT CONSULTANTS (Pvt) Ltd.
No- 55 / 21 , Galle Road , Colombo 03.

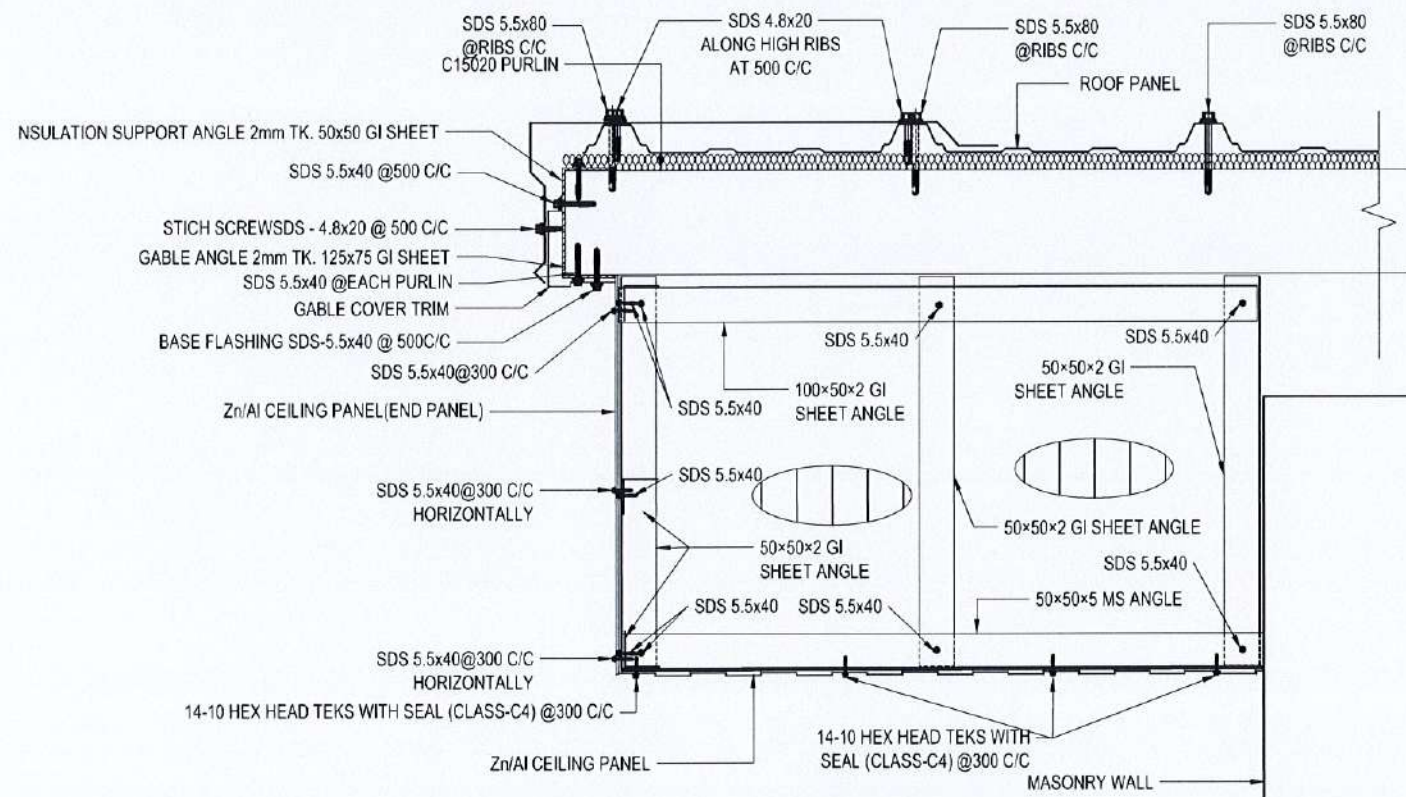
DRAWING TITLE	CEILING DETAILS-2	DESIGNED BY	CHECKED BY
DRG. NO	RDC / HSEP / CTRL / KDY / GLG / S05.1	SM	SH
SCALE	DATE	SHEET NO	DRAWN
AS GIVEN	29/6/2022	S05.1	LAL
			DRAFTING CHECK
			AZAD

REV.	DESCRIPTION	DATE



TYP. EAVE CEILING SHEET FIXING AT GABLE EAVE - SECTION

Scale: 1:10



SECTION 3-3

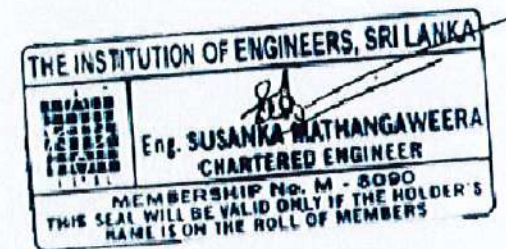
Scale: 1:10

NOTES:-

1. ALL STEEL MEMBERS TO BE GRADE S275.
2. ALL CONCRETE MEMBERS TO BE GRADE C25
3. CONCRETE GRADE OF RC CURBS C25
4. ALL BOLTS TO BE GRADE 8.8 TO BS 4190
5. UNLESS OTHERWISE SPECIFIED BOLT SIZE TO BE M16.
6. ALL BOLT HOLES TO BE MACHINE DRILLED.
7. ALL FILLET WELDS ARE 8mm TK. CONTINUOUS FILLET WELDS.
8. MINIMUM WELD LENGTH TO BE 150mm.
9. MINIMUM EDGE DISTANCE TO BE 50mm.
10. ALL WELDED JOINTS TO BE LOCALLY GALVANIZED AT SITE.
11. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR CONSULTANT BEFORE INSTALLING FOR APPROVAL.
12. ALL BOLTS AND NUTS TO BE HOT DIPPED GALVANIZED.
13. STEEL MEMBER PAINTING TO BE AS PER SPECIFICATIONS.
14. MINIMUM WELD STRENGTH OF PURLIN TO BE 450N/mm².
15. ALL PURLIN BOLTS TO BE TIGHTENED TO 55 Nm TORQUE.
16. ANCHOR BOLT THREADED LENGTH TO BE 10mm PLUS BOLT DIAMETER.
17. BASE PLATE CLEARANCE HOLES TO BE 6mm LARGER THAN BOLT DIAMETER.
18. ALL MS ROD BRACING TO BE HOT DIPPED GALVANIZED.
19. MINIMUM YIELD STRENGTH OF PURLIN TO BE 450N/mm².

NOTES:-

1. SLOPE ANGLE OF THE ROOF SHALL BE CONFIRMED WITH THE ARCHITECT BEFORE FABRICATION
2. SHOP DRAWINGS FOR THE ROOF SHALL BE PREPARED AND CONFIRMED WITH THE ARCHITECT AND THE ENGINEER BEFORE FABRICATION



MINISTRY OF HEALTH



ADB FUNDED
HEALTH SYSTEM ENHANCEMENT PROJECT(HSEP)

DESIGN AND SUPERVISION CONSULTANCY
FOR INFRASTRUCTURE DEVELOPMENT
REP NO.: HSEP/PMU/PROS1/05/2018

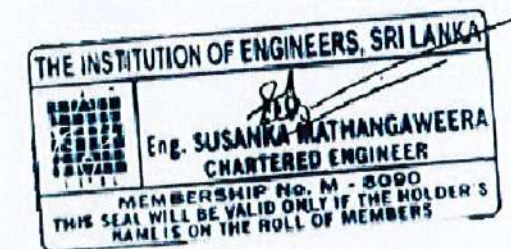
CENTRAL CLINIC AT GALAGEDARA M.O.H OFFICE,
KANDY DISTRICT, CENTRAL PROVINCE



RESOURCE DEVELOPMENT CONSULTANTS (Pvt) Ltd.
No- 55, 2nd /, Galle Road, Colombo 03.

DRAWING TITLE	CEILING DETAILS-3	DESIGNED BY	CHECKED BY
DRG. NO	RDC / HSEP / CTRL / KDY / GLG / S05.2	SM	SH
SCALE	DATE	SHEET NO	DRAWN
AS GIVEN	29/6/2022	S05.2	LAL
			DRAFTING CHECK
			AZAD

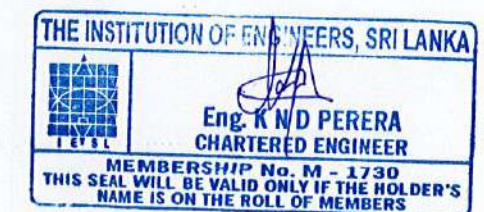
REV.	DESCRIPTION	DATE




ELECTRICAL DRAWINGS FOR HEALTH SYSTEMS ENHANCEMENT PROJECT

CENTRAL CLINIC AT GALAGEDARA KANDY DISTRICT
CENTRAL PROVINCE



PROPOSED TOILET BLOCK

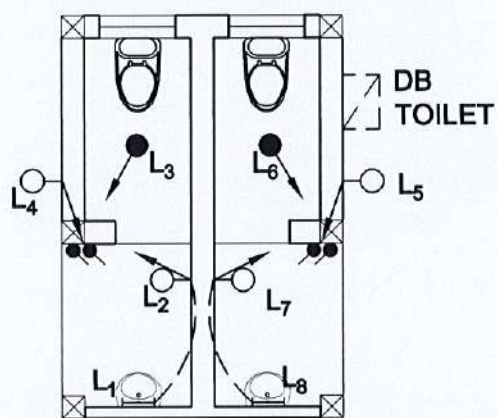


 MINISTRY OF HEALTH  ADB FUNDED HEALTH SYSTEM ENHANCEMENT PROJECT(HSEP)	DESIGN AND SUPERVISION CONSULTANCY FOR INFRASTRUCTURE DEVELOPMENT REP NO.: HSEP/PMU/PROS1/05/2018	RDC RESOURCE DEVELOPMENT CONSULTANTS (Pvt) Ltd. No- 55 / 2/1 , Galle Road , Colombo 03.	REV.	DESCRIPTION	DATE
	CENTRAL CLINIC AT GALAGEDARA M.O.H OFFICE, KANDY DISTRICT , CENTRAL PROVINCE		DRAWING TITLE DRG. NO SCALE	TITLE PAGE RDC / HSEP / CTRL / KDY / GLG / EL-01 DATE 10/ 06/ 2022	DESIGNED & CHECKED BY NP DRAWN BY DBE

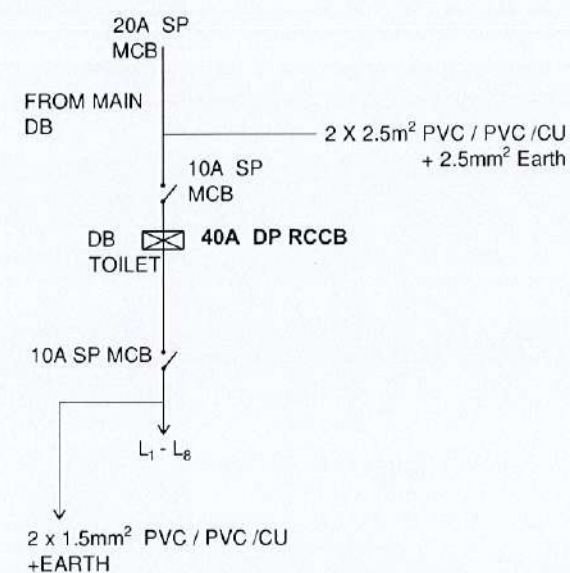
#	DRAWING NUMBER	DRAWING TITLE	SCALE
01	RDC / HSEP / CTRL / KDY / GLG/ EL-01	TITLE PAGE	-
02	RDC / HSEP / CTRL / KDY /GLG/ EL-02	SCHEDULE OF DRAWINGS	-
03	RDC / HSEP / CTRL / KDY / GLG / EL-03	ELECTRICAL LAYOUT PLAN & DISTRIBUTIONDIAGRAM	1:75



 MINISTRY OF HEALTH  ADB FUNDED HEALTH SYSTEM ENHANCEMENT PROJECT(HSEP)	DESIGN AND SUPERVISION CONSULTANCY FOR INFRASTRUCTURE DEVELOPMENT REP NO.: HSEP/PMU/PROS1/05/2018	RDC RESOURCE DEVELOPMENT CONSULTANTS (Pvt) Ltd. No- 55 , 2/1 , Galle Road , Colombo 03.			REV.	DESCRIPTION	DATE
		DRAWING TITLE	SCHEDULE OF DRAWINGS	DESIGNED & CHECKED BY			
		DRG. NO	RDC / HSEP / CTRL / KDY / GLG / EL-02	NP			
	CENTRAL CLINIC AT GALAGEDARA M.O.H OFFICE, KANDY DISTRICT , CENTRAL PROVINCE	SCALE	DATE 10/ 06/ 2022	SHEET NO 002	DRAWN BY DBE		

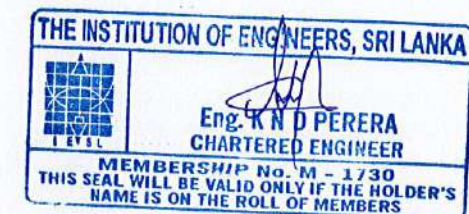


ELECTRICAL LAYOUT PLAN



DISTRIBUTION DIAGRAM FOR DB

LEGEND	
TYPE	DESCRIPTION
□	18W LED LAMPS
⊠	25W LED LAMPS
●	12W LED
⊖	18W WALL LED LAMPS
⊕	2 x13 AMP S S O
⊕ ^S	13 AMP SSO PER A/C
⊖	22W MIRROR LAMPS
⊖	36W WALL LAMPS CFL
⊖	CEILING FAN 56"
⊖	10 A SWITCH
⊖	TWO WAY SWITCH
⊖	FAN PLUG
⊖	TELE / DATA ROUTER
⊖	DISTRIBUTION BOARD



MINISTRY OF HEALTH

**DESIGN AND SUPERVISION CONSULTANCY
FOR INFRASTRUCTURE DEVELOPMENT**
REP NO.: HSEP/PMU/PROS1/05/2018

**CENTRAL CLINIC AT GALAGEDARA M.O.H OFFICE,
KANDY DISTRICT , CENTRAL PROVINCE**

ADB FUNDED
HEALTH SYSTEM ENHANCEMENT PROJECT(HSEP)



RESOURCE DEVELOPMENT CONSULTANTS (Pvt) Ltd.
No- 55 , 2/1 , Galle Road , Colombo 03.

DRAWING TITLE	ELECTRICAL LAYOUT PLAN & DISTRIBUTION DIAGRAM		DESIGNED & CHECKED BY
DRG. NO	RDC / HSEP / CTRL / KDY / GLG / EL-03		NP
SCALE	DATE	SHEET NO	DRAWN BY
1:75	10/ 06/ 2022	003	DBE

REV.	DESCRIPTION	DATE