

Project:

Fuel Retail Outlet

Location:

Dzongkhag: Trashiyangtse
(Jamkhar)

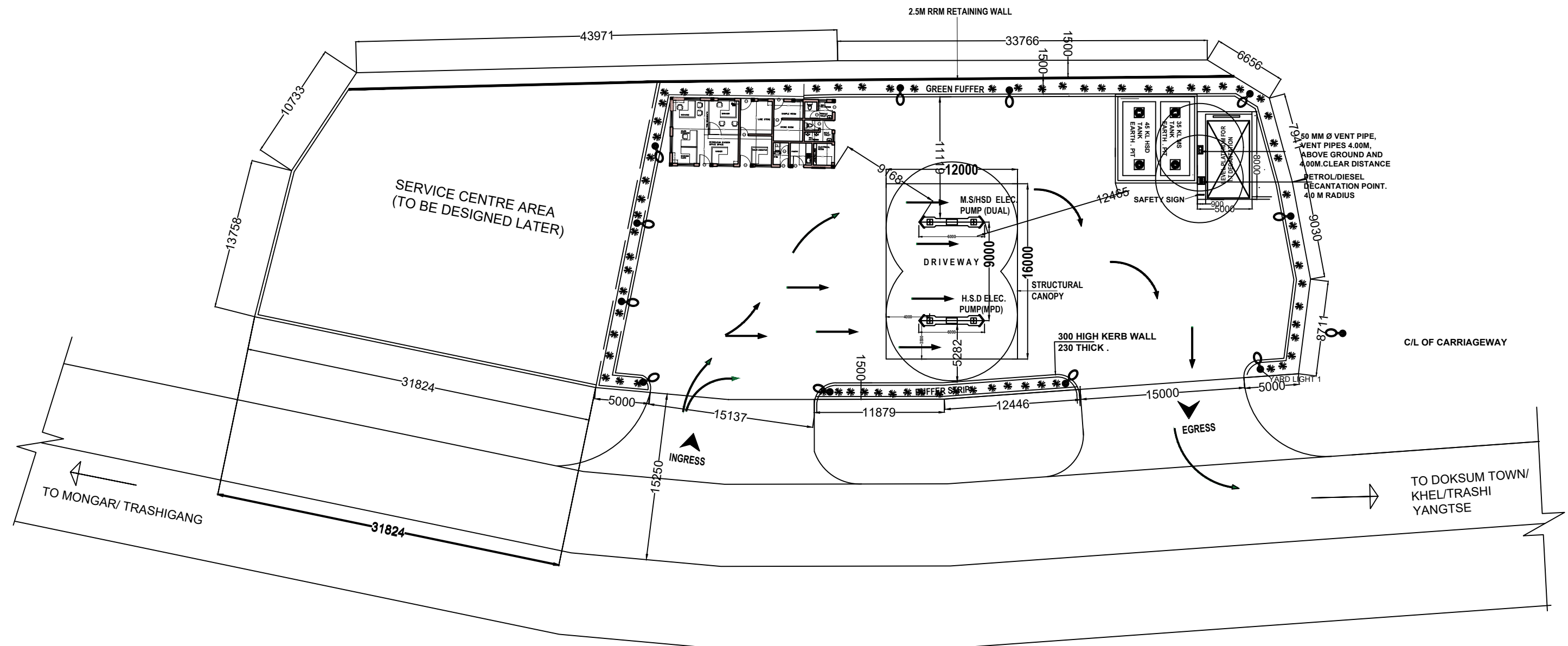
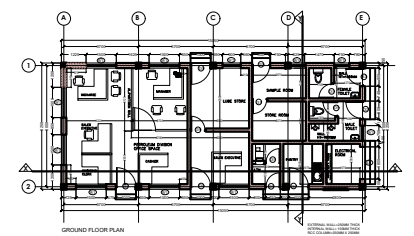
CERTIFICATE NO: TYE-195-1

PLOT ID: LJAM-20

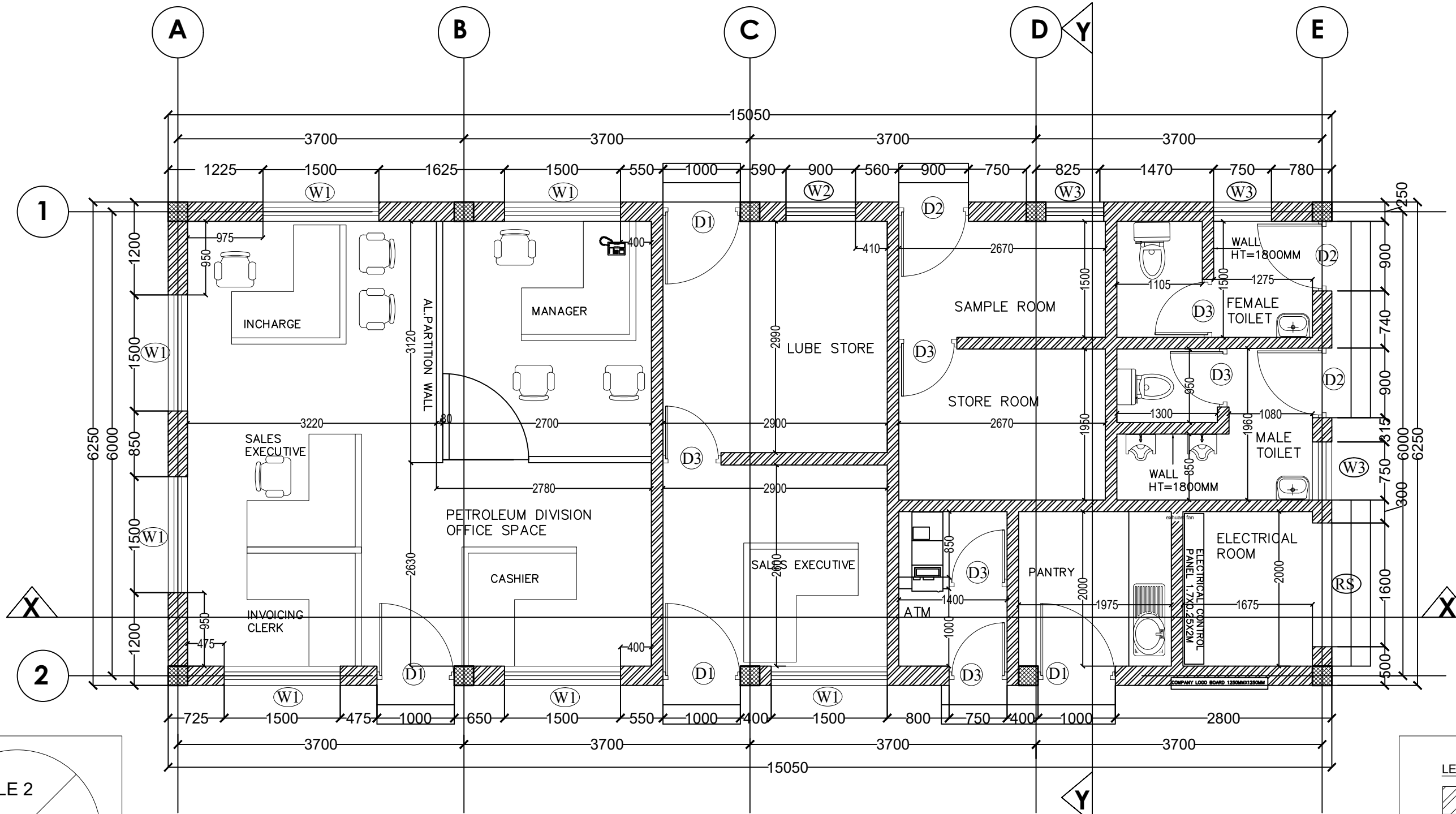
Owner

State Trading Corporation of Bhutan Ltd

STRUCTURAL DRAWINGS








PROJECT TITLE : Fuel Retail Outlet		LOCATION : JAMKHAR, TRASHIYANGTSE		DATE: MARCH, 2021	SHEET NO STC- 01	NOTE: ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE ALL DIMENSIONS MEASURE UNFINISHED SURFACES UNLESS SPECIFIED OTHERWISE ALL DIMENSIONS ARE TO BE READ AND NOT SCALE OFF ANY DISCREPANCY IN DRAWING IS TO BE BROUGHT TO THE IMMEDIATE NOTICE OF THE ARCHITECT AND THE ENGINEER	www.greendesign.com.bt gdshutan@gmail.com +975 1763132277845668 FLAT NO 8/11 CONVENIENT STORE NEXT TO THIMPHU THROMDE BUILDING THIMPHU: BHUTAN
DRAWING TITLE : SITE PLAN	SCALE : NTS	CERTIFICATE NO. TYE-195-1	PLOT NO- LJAM-20	OWNER: STCBL	DESIGN & DRAWN BY SUGAN PRADHAN CIVIL ENGINEER		

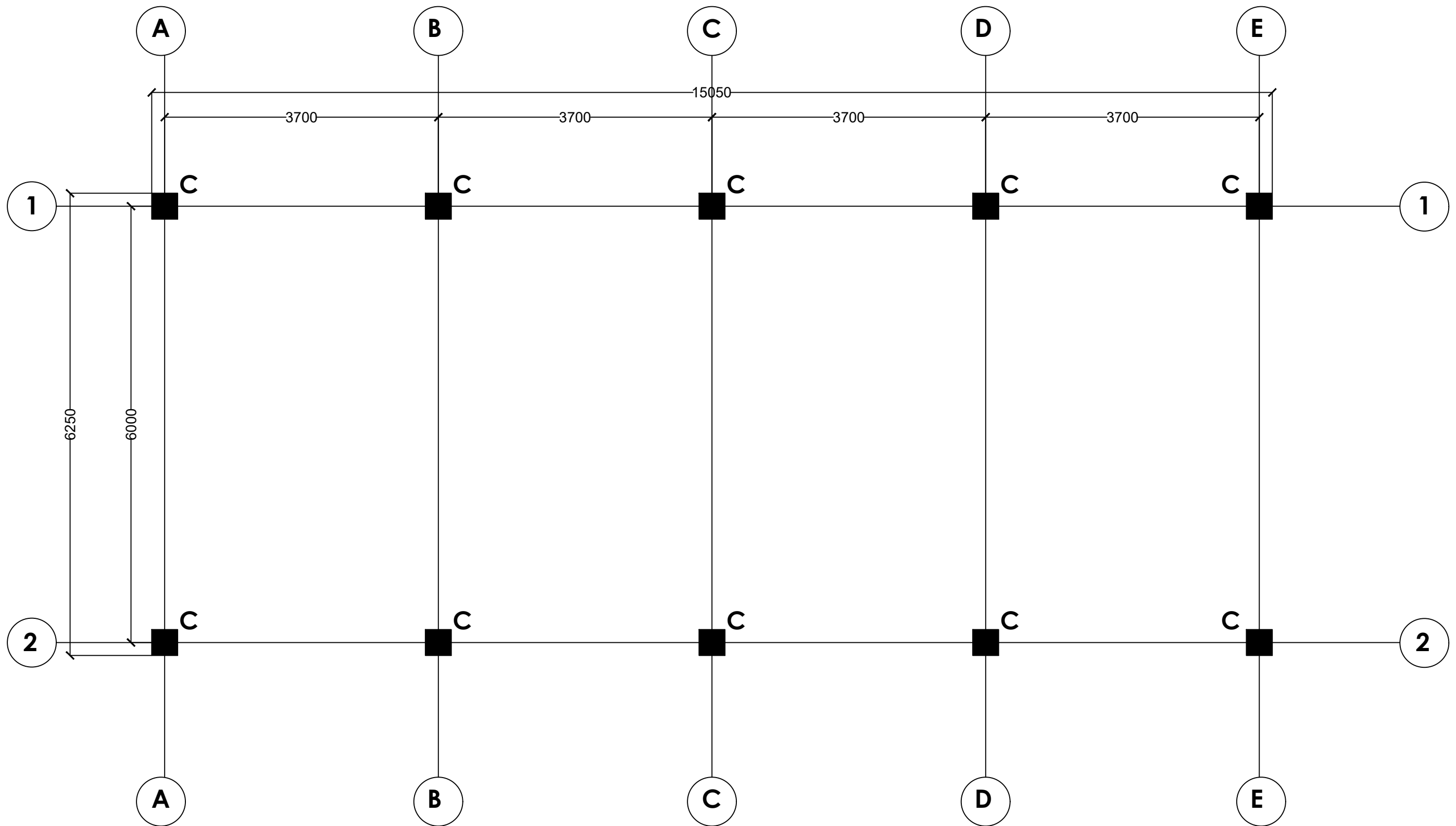



GROUND FLOOR PLAN

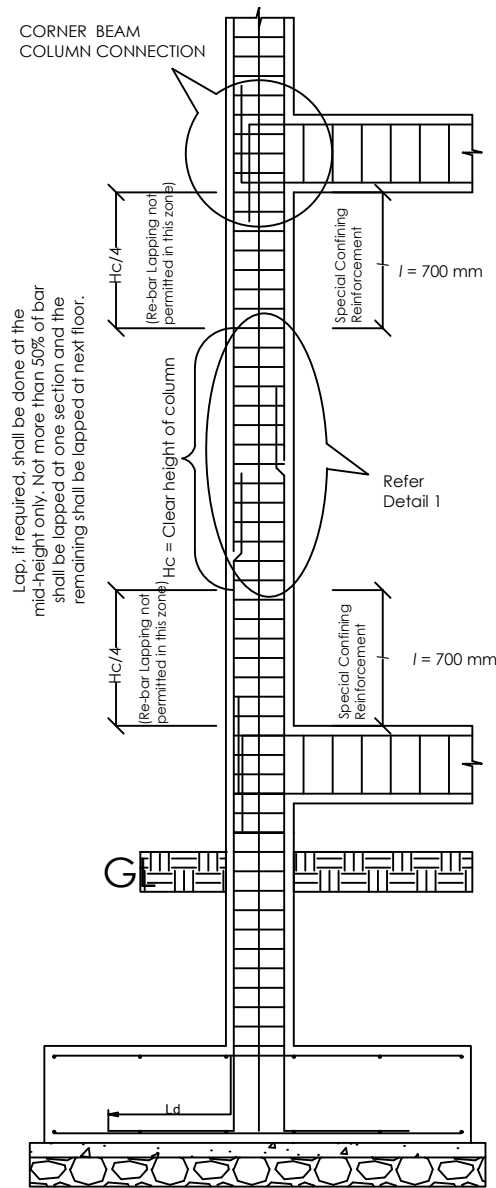
EXTERNAL WALL=250MM THICK
INTERNAL WALL= 150MM THICK
RCC COLUMN=250MM X 250MM

- LEGEND**
-  - BRICK WALL
 -  - RCC
 -  - PCC
 -  - STONE SOLING

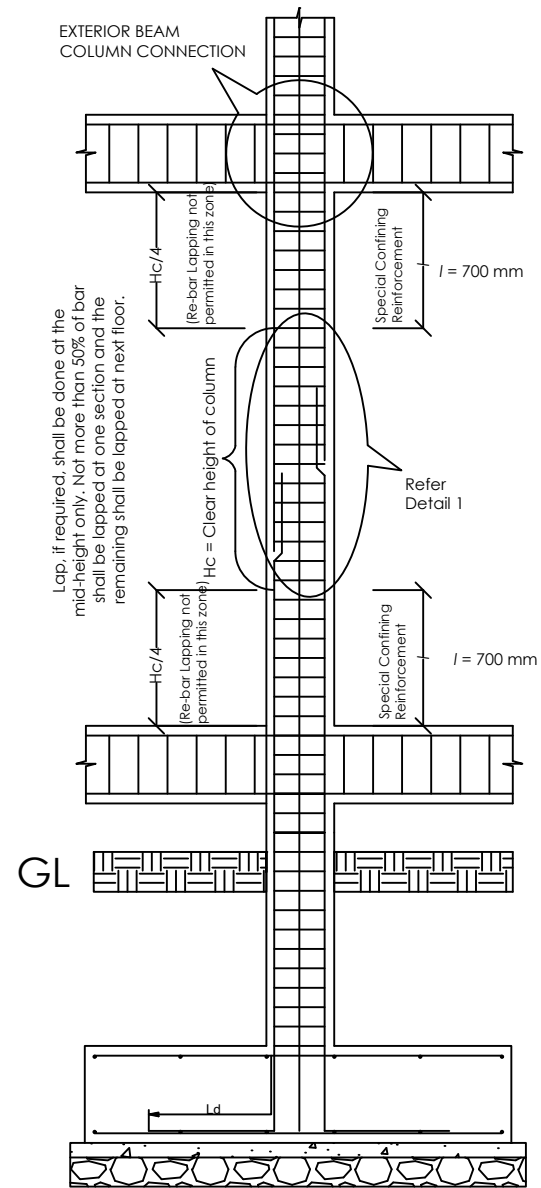
PROJECT TITLE : Fuel Retail Outlet		LOCATION : JAMKHAR, TRASHIYANGTSE	DATE: MARCH, 2021	SHEET NO STC- 02	NOTE: ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE ALL DIMENSIONS MEASURE UNFINISHED SURFACES UNLESS SPECIFIED OTHERWISE ALL DIMENSIONS ARE TO BE READ AND NOT SCALE OFF ANY DISCREPANCY IN DRAWING IS TO BE BROUGHT TO THE IMMEDIATE NOTICE OF THE ARCHITECT AND THE ENGINEER	www.greendesign.com.bt gdshutanz@gmail.com +975 17613227784568 FLAT NO 8/1 GONGDZIN LAM ABOVE 8/11 CONVENIENT STORE NEXT TO THIMPHU THROMDE BUILDING THIMPHU: BHUTAN	
DRAWING TITLE : GROUND FLOOR PLAN	SCALE : NTS	CERTIFICATE NO. T.YE-195-1	PLOT NO- LJAM-20	OWNER: STCBL	DESIGN & DRAWN BY SUGAN PRADHAN CIVIL ENGINEER		



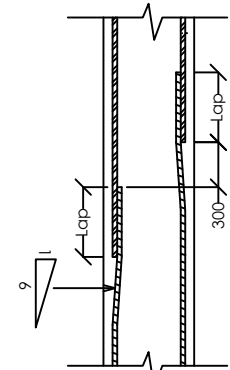
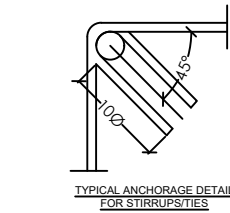
PROJECT TITLE : Fuel Retail Outlet	 SCALE : NTS	LOCATION : JAMKHAR, TRASHIYANGTSE	PLOT NO- LJAM-20	DATE: MARCH, 2021	SHEET NO STC- 03	NOTE: ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE ALL DIMENSIONS MEASURE UNFINISHED SURFACES UNLESS SPECIFIED OTHERWISE ALL DIMENSIONS ARE TO BE READ AND NOT SCALE OFF ANY DISCREPANCY IN DRAWING IS TO BE BROUGHT TO THE IMMEDIATE NOTICE OF THE ARCHITECT AND THE ENGINEER	<small>www.greendesign.com.bt gdshutan@gmail.com +975 17631227784568 FLAT NO 8/11 CONVENIENT STORE NEXT TO THIMPHU THROMDE BUILDING THIMPHU: BHUTAN</small>
DRAWING TITLE : COLUMN LAYOUT		CERTIFICATE NO. TYE-195-1		OWNER: STCBL	DESIGN & DRAWN BY SUGAN PRADHAN CIVIL ENGINEER		



TYPICAL SECTION EXTERIOR (showing typical arrangement of rebar and ties in columns)



TYPICAL SECTION INTERIOR (showing typical arrangement of rebar and ties in columns)

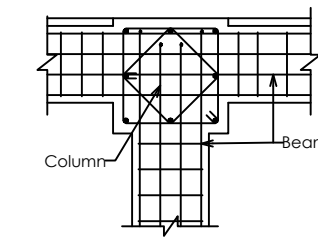


DETAIL 1 (showing staggering of laps in columns)

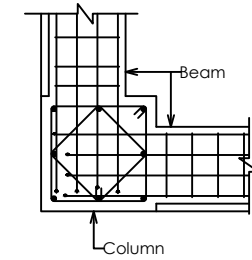
Bar Diameter	Splice Length (mm)
10Ø	485
12Ø	583
16Ø	777
20Ø	971
25Ø	1214

COLUMN DETAILS

Column Mark	Column Mark (mm)	MAIN REINFORCEMENT	SHEAR REINFORCEMENT	
		Foundation to Full Height	SHAPE	SPACING
C	250 x 250			<p>Within height l ST1=8Ø @ 100 c/c</p> <p>Remaining Height ST2=8Ø @ 150 c/c</p>



EXTERIOR COLUMN-BEAM JOINT



CORNER COLUMN-BEAM JOINT

TYPICAL COLUMN-BEAM JOINT DETAILS

PROJECT TITLE : Fuel Retail Outlet



LOCATION : JAMKHAR, TRASHIYANGTSE

DATE: MARCH, 2021

SHEET NO STC- 04

NOTE:

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DRAWING TITLE : COLUMN DETAILS

SCALE : NTS

CERTIFICATE NO. TYE-195-1

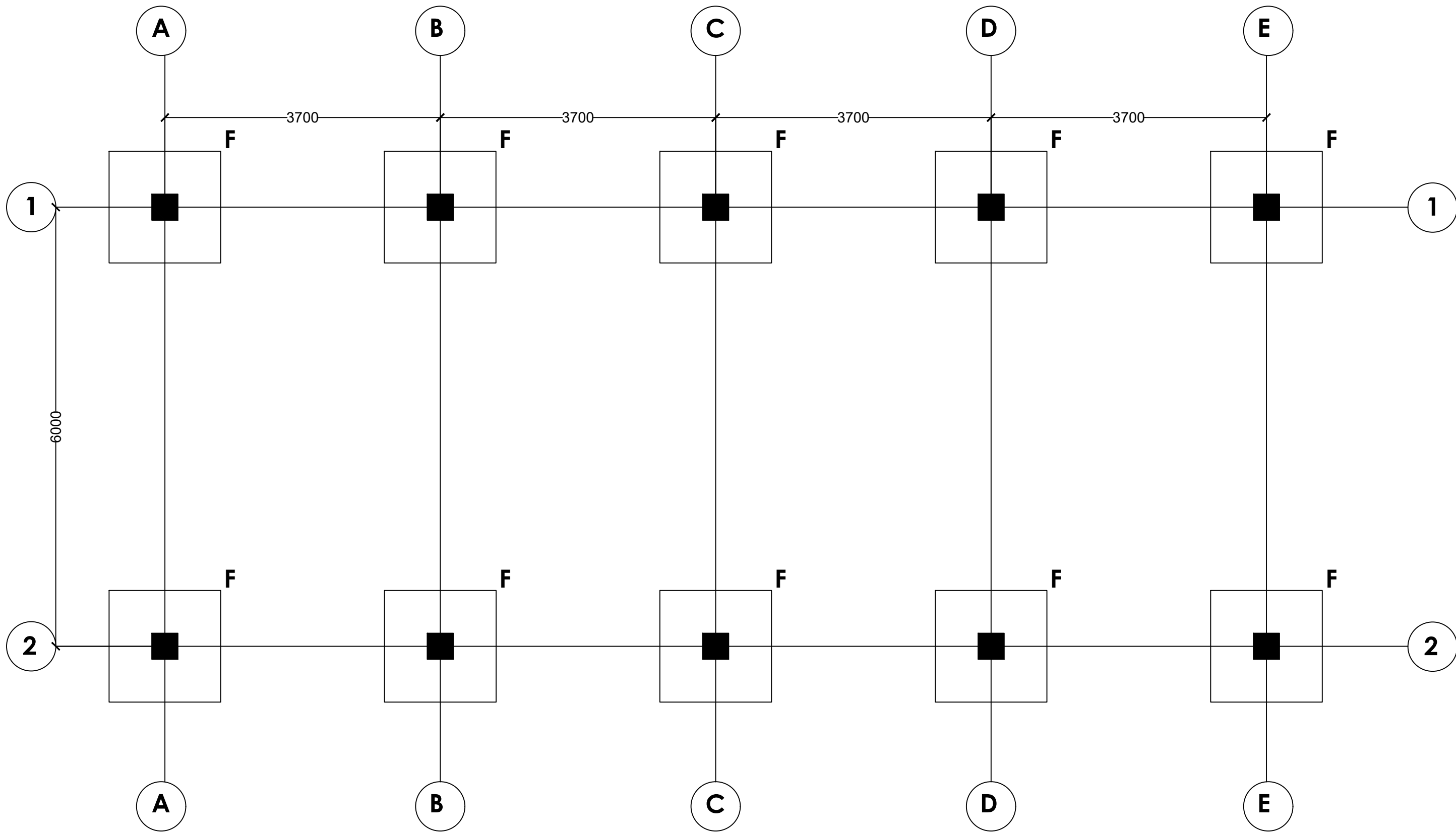
PLOT NO- LJAM-20


OWNER: STCBL

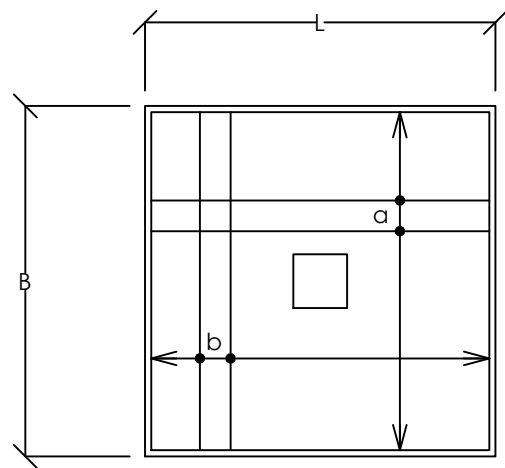
DESIGN & DRAWN BY SUGAN PRADHAN CIVIL ENGINEER

..LOGO.jpg

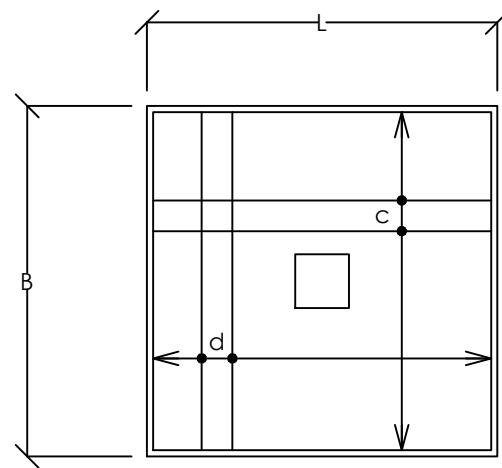
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+975 17631322/77845668
FLAT NO 8/GONGDZIN LAM
STORE NEXT TO THIMPHU
THROMDE BUILDING
THIMPHU: BHUTAN



PROJECT TITLE : Fuel Retail Outlet	 SCALE : NTS	LOCATION : JAMKHAR, TRASHIYANGTSE	PLOT NO- LJAM-20	DATE: MARCH, 2021	SHEET NO STC- 05	NOTE: ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE ALL DIMENSIONS MEASURE UNFINISHED SURFACES UNLESS SPECIFIED OTHERWISE ALL DIMENSIONS ARE TO BE READ AND NOT SCALE OFF ANY DISCREPANCY IN DRAWING IS TO BE BROUGHT TO THE IMMEDIATE NOTICE OF THE ARCHITECT AND THE ENGINEER	<small>www.greendesign.com.bt gdshutan@gmail.com +975 1763132277845668 FLAT NO 8/11 CONVENIENT STORE NEXT TO THIMPHU THROMDE BUILDING THIMPHU: BHUTAN</small>
DRAWING TITLE : FOOTING LAYOUT		CERTIFICATE NO. TYE-195-1		OWNER: STCBL	DESIGN & DRAWN BY SUGAN PRADHAN CIVIL ENGINEER		



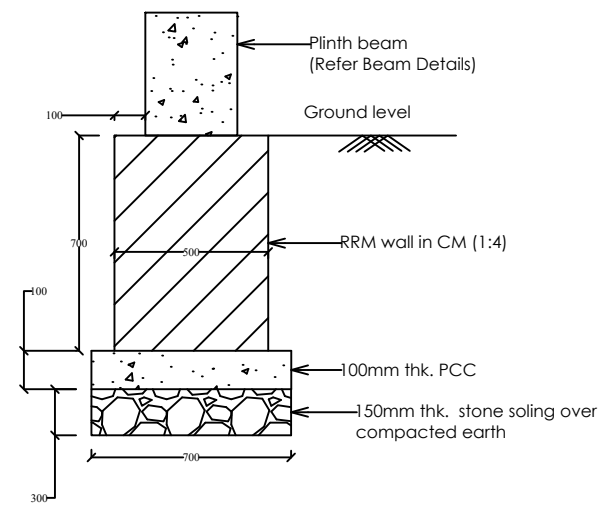
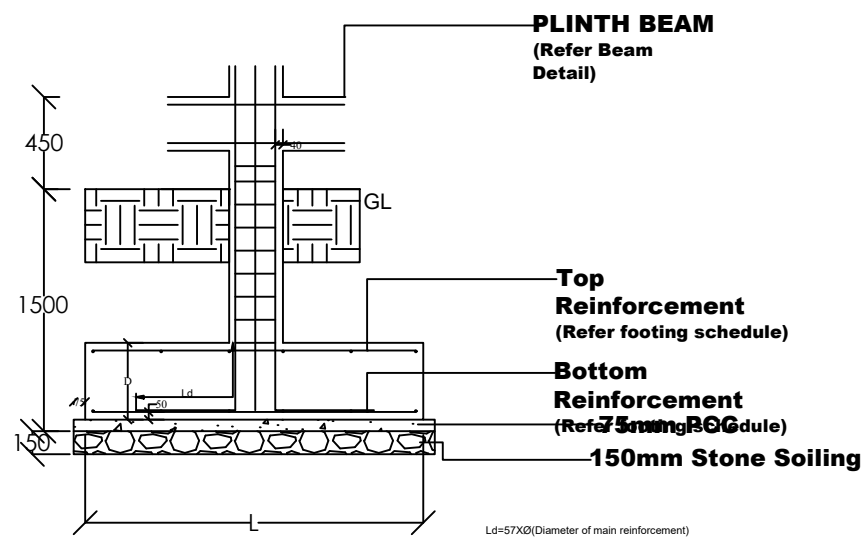
BOTTOM REINFORCEMENT



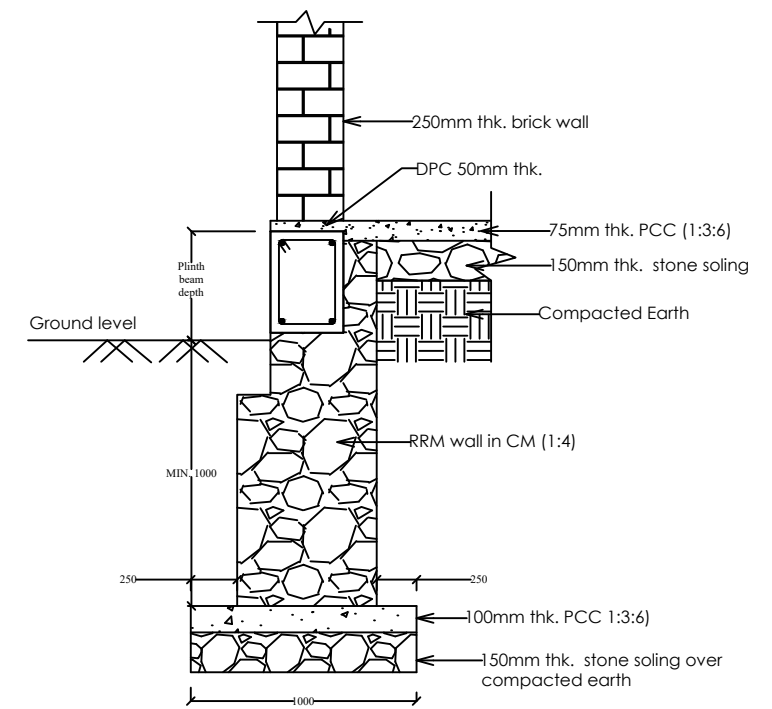
TOP REINFORCEMENT

FOOTING SCHEDULE

FOOTING MARK	FOOTING SIZE AND DEPTH			REINFORCEMENT			
	LENGTH	WIDTH	DEPTH	a	b	c	d
F	1300	1300	300	12Ø @ 100 c/c	12Ø @ 100 c/c	12Ø @ 100 c/c	12Ø @ 100 c/c



FOUNDATION SECTION DETAIL BELOW PLINTH BEAM (INTERNAL WALL)



FOUNDATION SECTION DETAIL BELOW PLINTH BEAM (EXTERNAL WALL)

PROJECT TITLE : Fuel Retail Outlet



LOCATION :
JAMKHAR,
TRASHIYANGTSE

DATE:
MARCH, 2021

SHEET NO STC- 06

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DRAWING TITLE : **FOOTING DETAILS**

SCALE : NTS

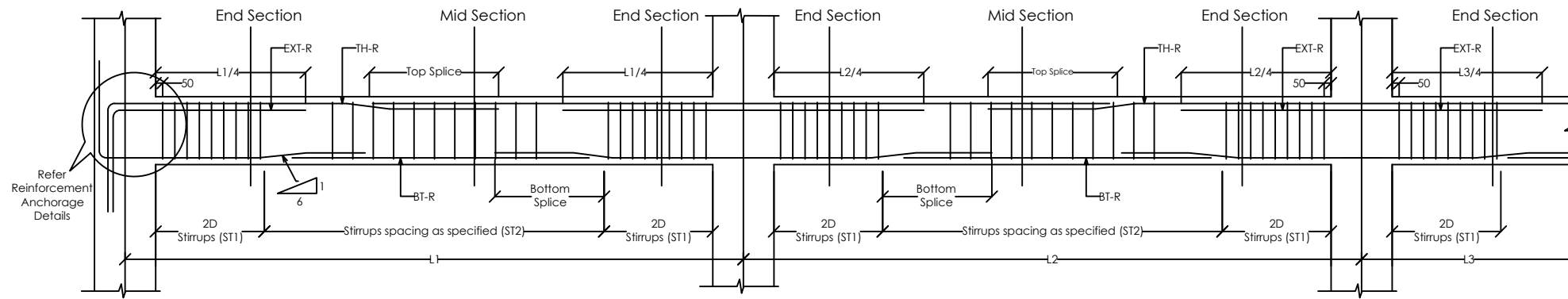
CERTIFICATE NO. TYE-195-1

PLOT NO- LJAM-20

OWNER:
STCBL

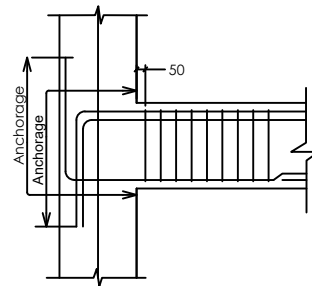
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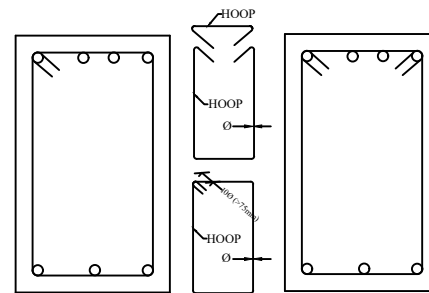
LEGEND:
 EXT-R.....Extra re-bars
 TH-R.....Through re-bars
 BT-R.....Bottom re-bars

TYPICAL ARRANGEMENT OF RE-BARS AND SPLICE DETAILS IN BEAMS



Reinforcement Anchorage Details

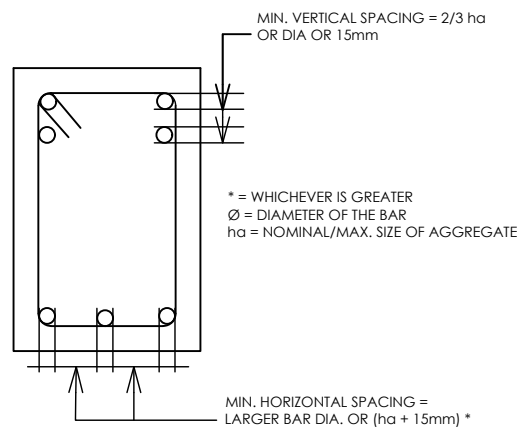
Bar Diameter	Minimum Length (mm)	
	Ld	Anchorage Length
12Ø	684	703
16Ø	912	937
20Ø	1140	1171
25Ø	1425	1464



STIRRUP/HOOP DETAILS

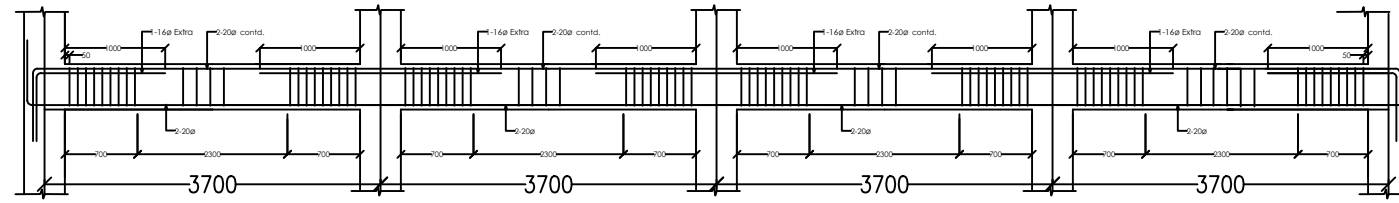
NOTE:

- At junction of two different beams provide EXT-R of higher side from either of the beams
- Lap splice for tension or bottom reinforcement shall not be provided
 - within a joint
 - within a distance of 2D from the joint face or
 - within a quarter length of the member
- The splicing of the compression or top reinforcement shall be near or at the mid-span of the member.
- Not more than 50% of the re-bars shall be spliced at a section.
- The lap length shall not be less than development length in tension.
- Where re-bars are lapped, stirrups must be provided to the full lap length at a spacing same as that provided within a distance 2D from the face column.
- The first stirrup should be provided at the distance of 50mm (maximum) from the face of the column.

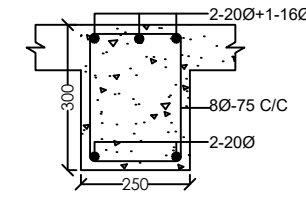


TYPICAL DETAILS FOR MINIMUM CLEARANCE BETWEEN INDIVIDUAL BARS

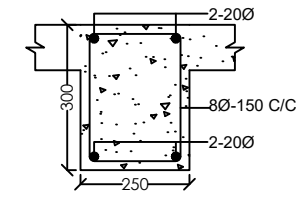
PROJECT TITLE : Fuel Retail Outlet		LOCATION : JAMKHAR, TRASHIYANGTSE	DATE: MARCH, 2021	SHEET NO STC- 07	NOTE: ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE ALL DIMENSIONS MEASURE UNFINISHED SURFACES UNLESS SPECIFIED OTHERWISE ALL DIMENSIONS ARE TO BE READ AND NOT SCALE OFF ANY DISCREPANCY IN DRAWING IS TO BE BROUGHT TO THE IMMEDIATE NOTICE OF THE ARCHITECT AND THE ENGINEER	www.greendesign.com.bt gdshutan@gmail.com +975 1763132277845668 FLAT NO 811 CONVENIENT STORE NEXT TO THIMPHU THROUGH BUILDING THIMPHU: BHUTAN
DRAWING TITLE : BEAM DETAILS	SCALE : NTS	CERTIFICATE NO. TYE-195-1	PLOT NO- LJAM-20	OWNER: STCBL		



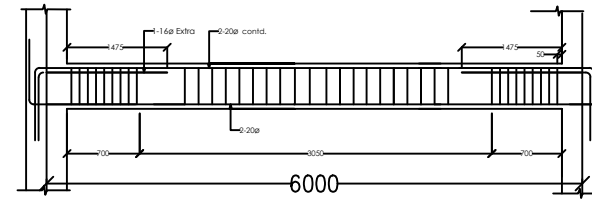
ALONG GRID 1 & 2



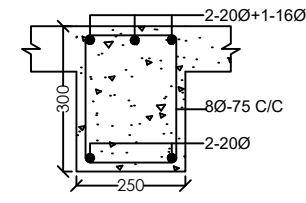
AT END



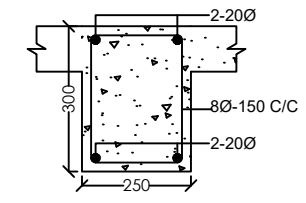
AT MID SPAN



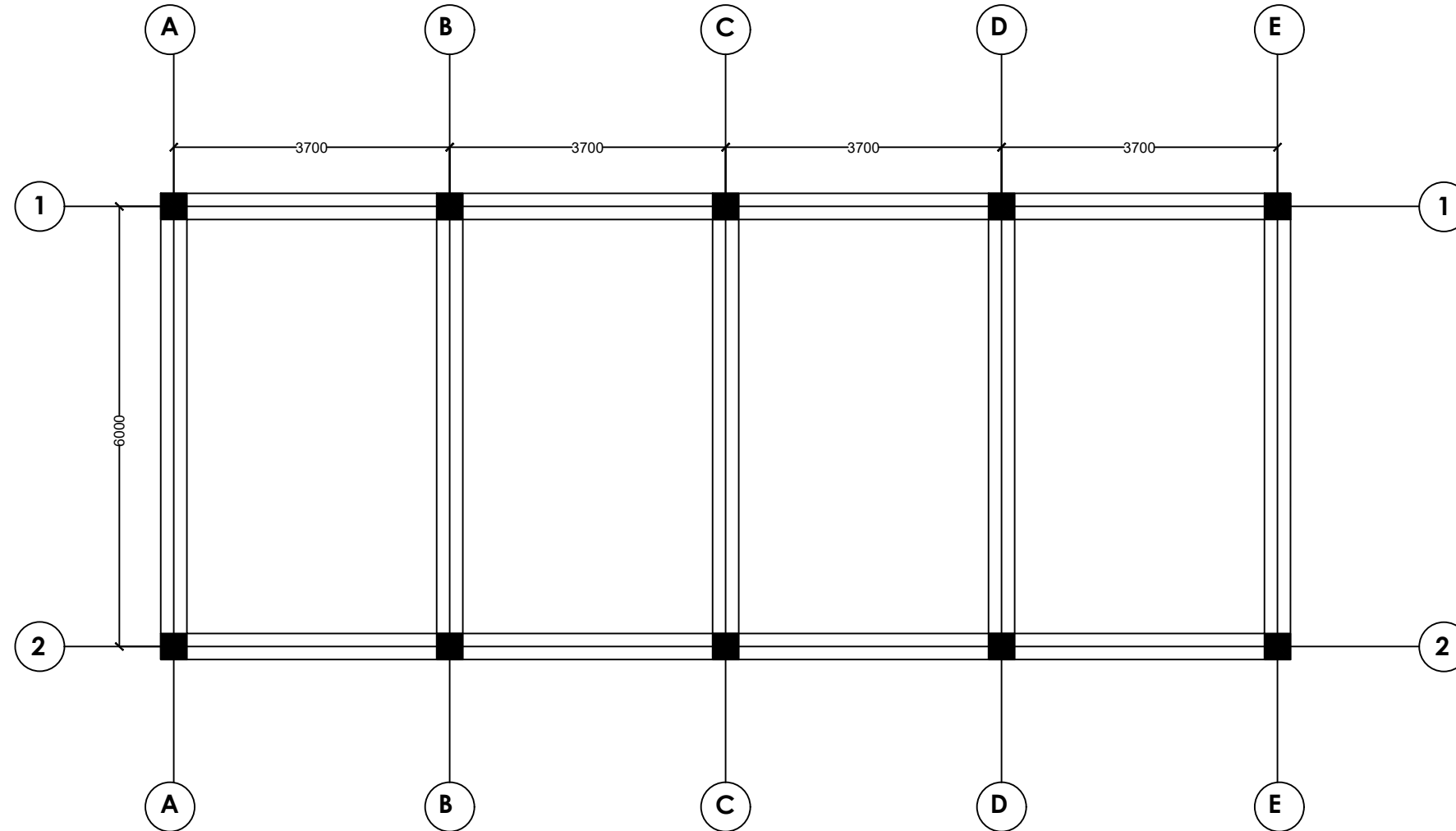
ALONG GRID A, B, C, D & E



AT END



AT MID SPAN



PLINTH/ROOF BEAM DETAILS

PROJECT TITLE : Fuel Retail Outlet



LOCATION :
JAMKHAR,
TRASHIYANGTSE

DATE:
MARCH, 2021

SHEET NO STC- 08

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DRAWING TITLE : BEAM DETAILS

SCALE : NTS

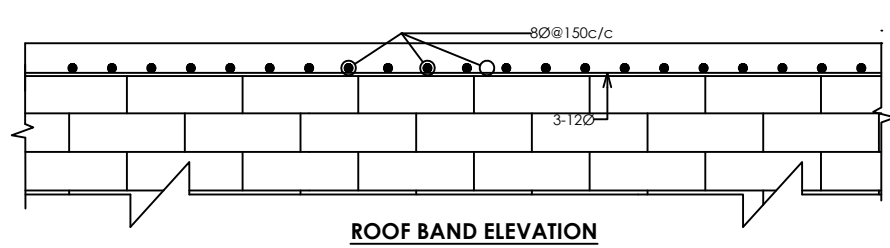
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NO. TYE-195-1

PLOT NO-
LJAM-20

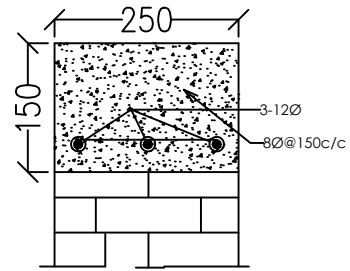
OWNER:
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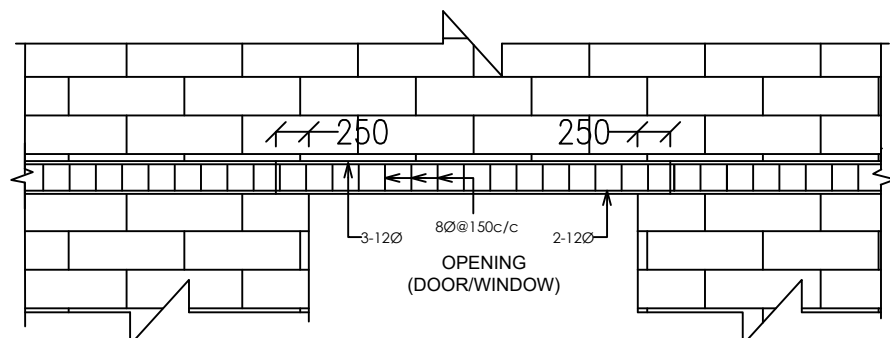
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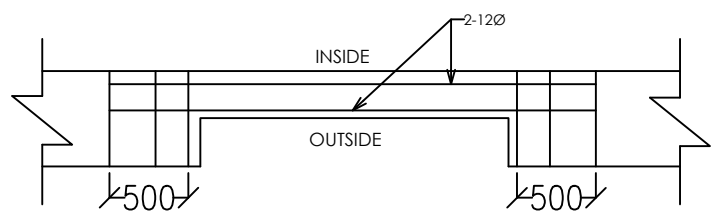
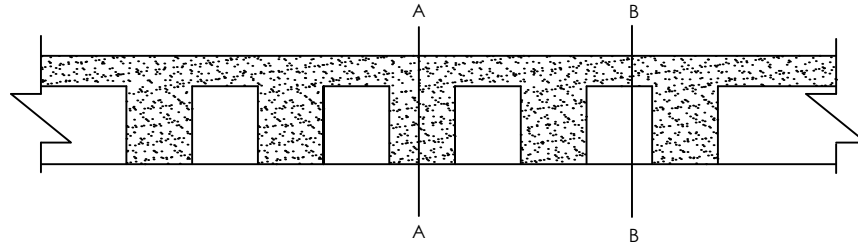
ROOF BAND ELEVATION



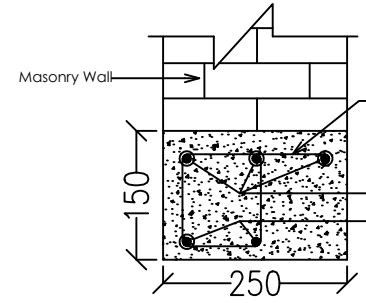
ROOF BAND



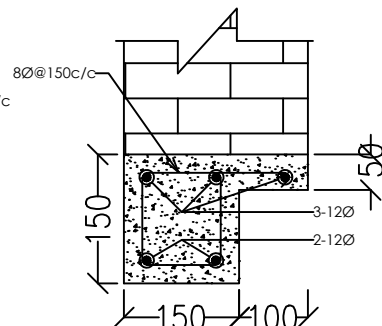
LINTEL BAND ELEVATION



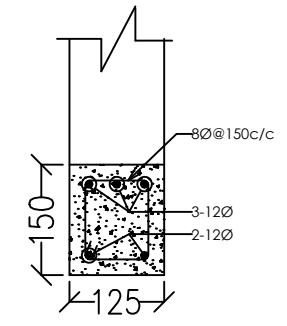
BOTTOM REINFORCEMENT PLAN



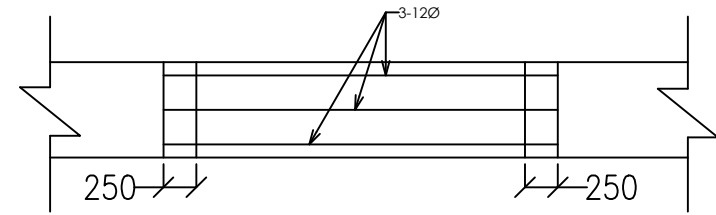
EXTERNAL SECTION A-A



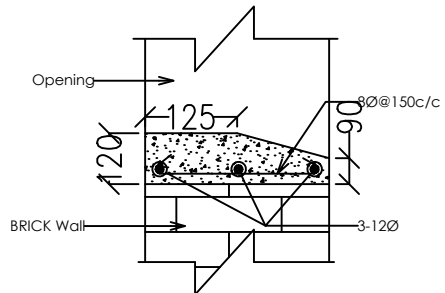
EXTERNAL SECTION B-B



INTERNAL




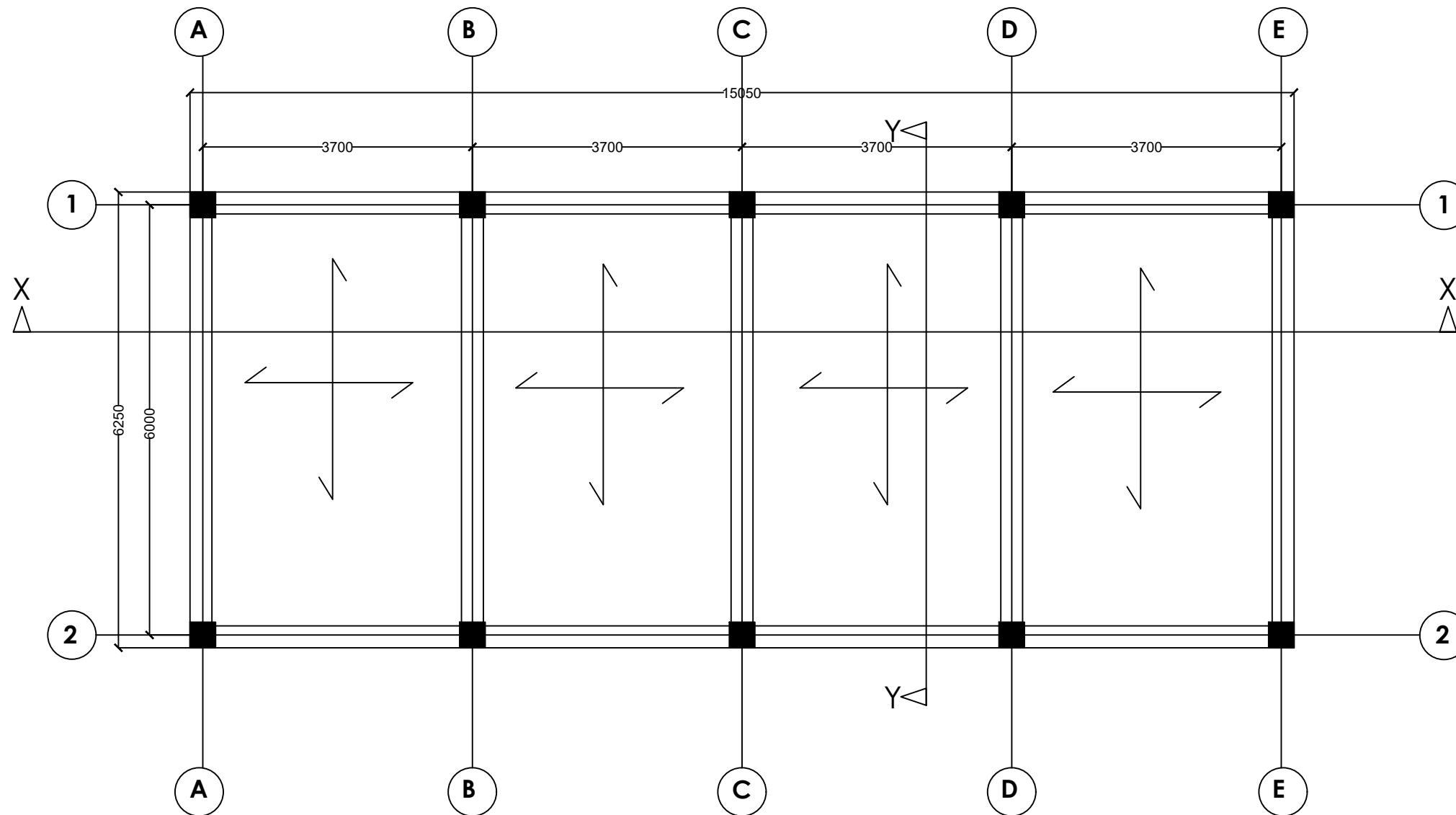
TOP REINFORCEMENT PLAN



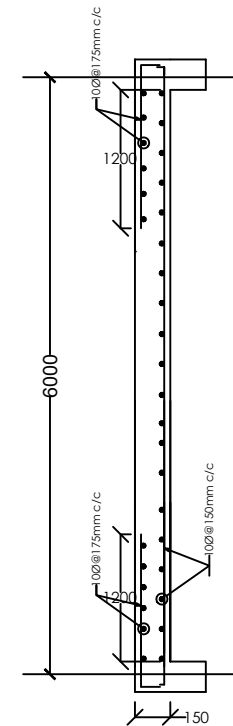
RCC SILL SECTION

TYPICAL REINFORCEMENT LAYOUT IN LINTEL BAND OVER OPENING

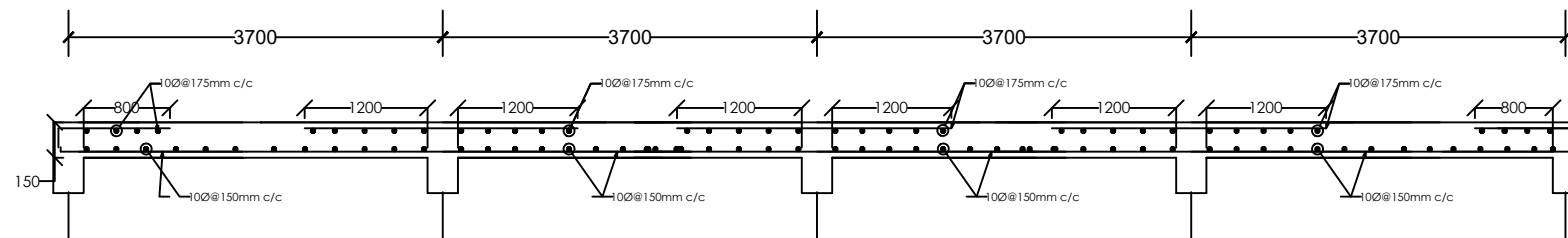
PROJECT TITLE : Fuel Retail Outlet		LOCATION : JAMKHAR, TRASHIYANGTSE	DATE: MARCH, 2021	SHEET NO STC- 9	NOTE: ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE ALL DIMENSIONS MEASURE UNFINISHED SURFACES UNLESS SPECIFIED OTHERWISE	www.greendesign.com.bt gdshutan@gmail.com +975 1763132277845668 FLAT NO 8/11 CONVENIENT STORE NEXT TO THIMPHU THROMDE BUILDING THIMPHU: BHUTAN
DRAWING TITLE : LINTEL BEAM DETAILS	SCALE : NTS	CERTIFICATE NO. TYE-195-1	PLOT NO- LJAM-20	OWNER: STCBL	DESIGN & DRAWN BY SUGAN PRADHAN CIVIL ENGINEER	ALL DIMENSIONS ARE TO BE READ AND NOT SCALE OFF ANY DISCREPANCY IN DRAWING IS TO BE BROUGHT TO THE IMMEDIATE NOTICE OF THE ARCHITECT AND THE ENGINEER



ROOF SLAB



SECTION Y-Y



SECTION X-X

PROJECT TITLE : Fuel Retail Outlet



LOCATION :
JAMKHAR,
TRASHIYANGTSE

DATE:
MARCH, 2021

SHEET NO STC- 10

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DRAWING TITLE : **SLAB DETAILS**

SCALE : NTS

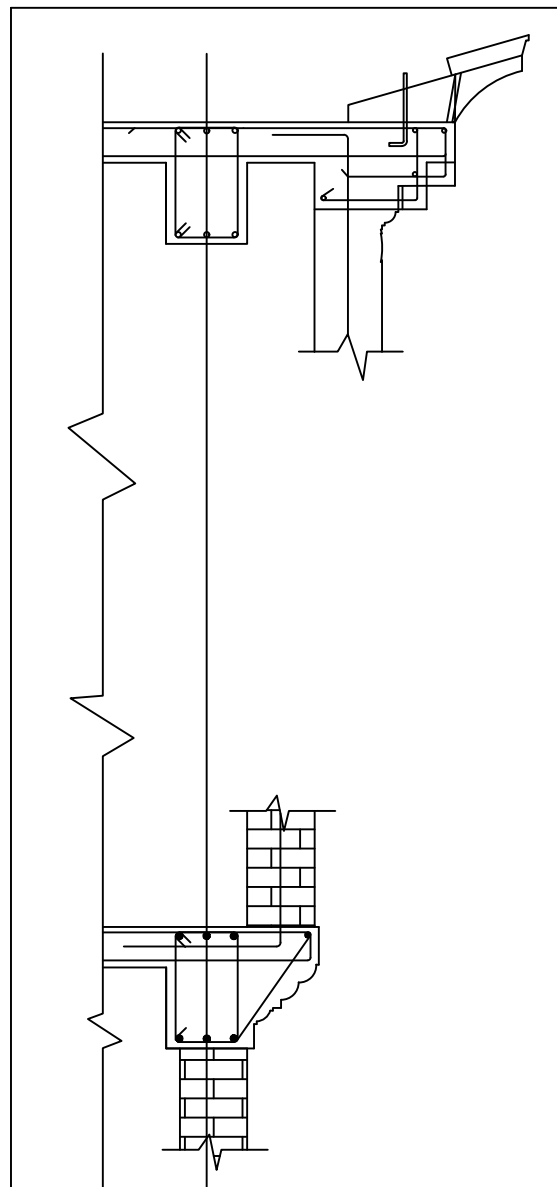
CERTIFICATE
NO. TYE-195-1

PLOT NO-
LJAM-20

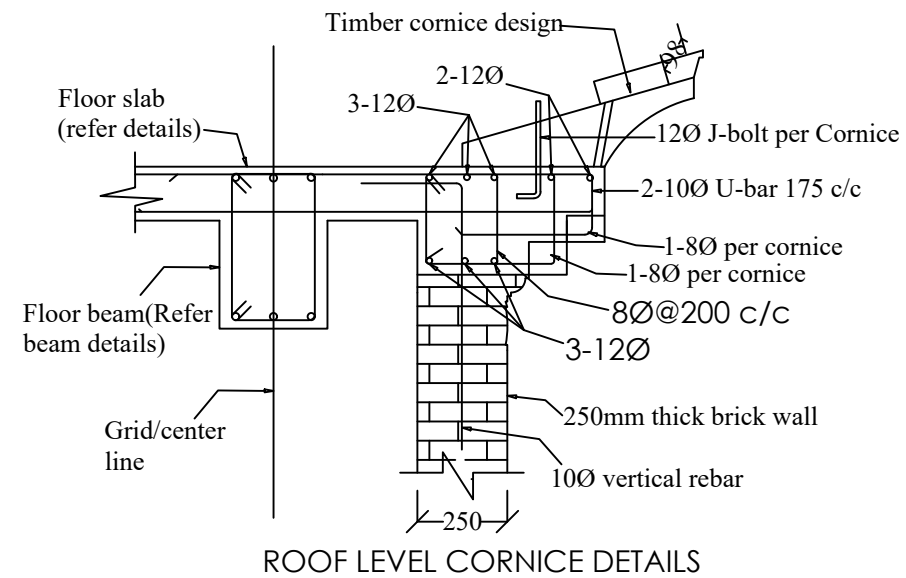
OWNER:
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STORE NEXT TO THIMPHU
THROMDE BUILDING
THIMPHU: BHUTAN




RC CORNICE DETAILS AT VARIOUS FLOOR LEVEL

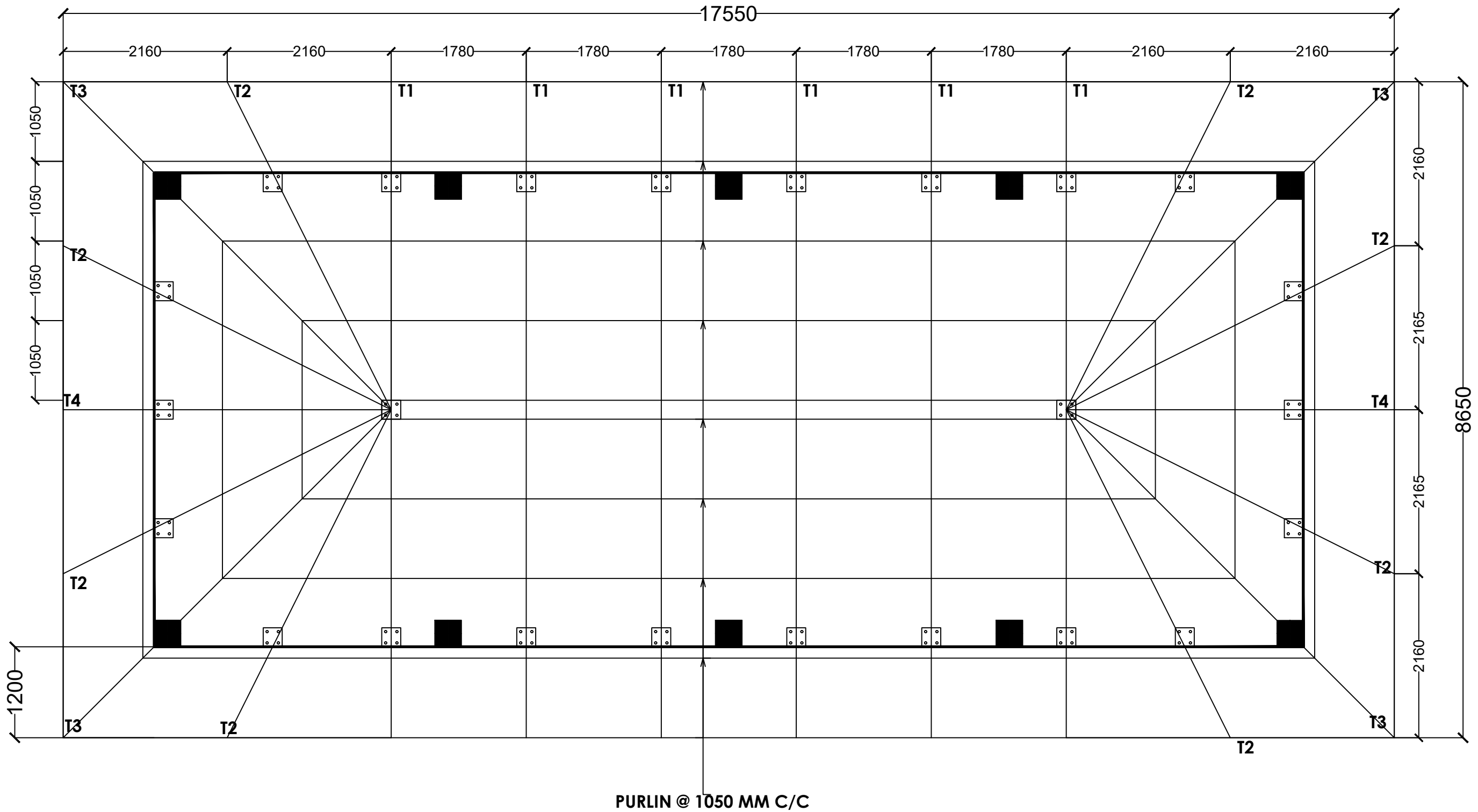


ROOF LEVEL CORNICE DETAILS

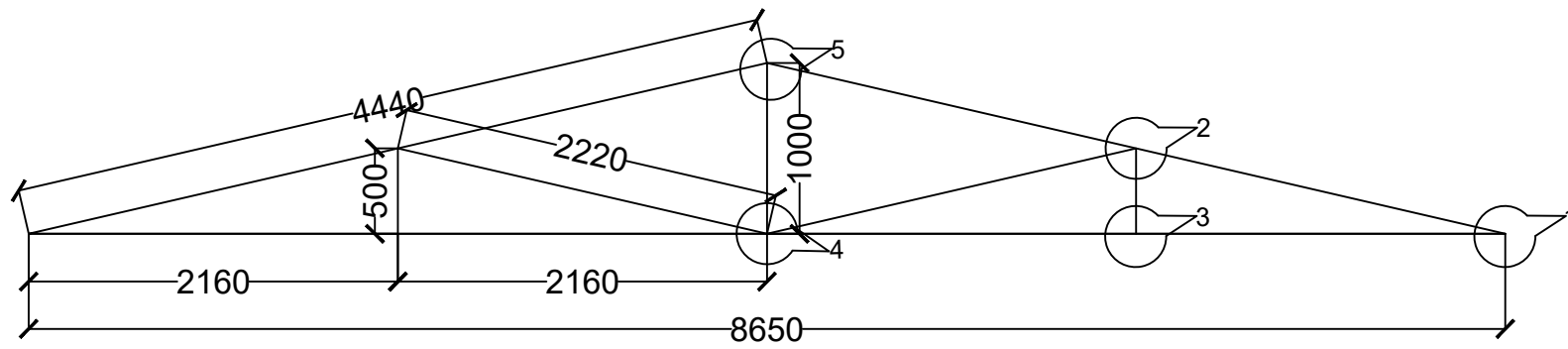
Notes:

1. Slab rebars shall be extended wherever necessary for the slab projections & cornice(refer slab details drawings)
2. The cornice reinforcements provided are excluding the slab reinforcement already provided
3. Cornice patterns/shapes and dimensions shall be as per the architectural drawing details(Refer architectural drawings)
4. Refer architectural drawings for the location of different types cornices at various floor levels.

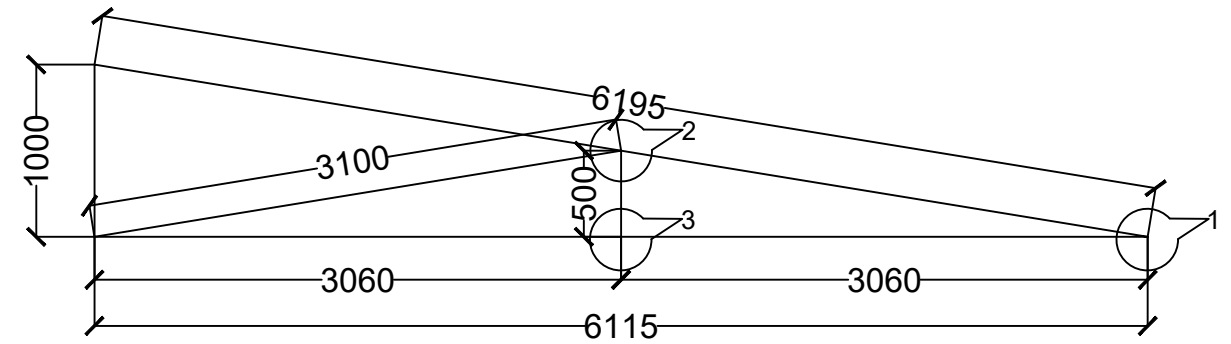
PROJECT TITLE : Fuel Retail Outlet	 SCALE : NTS	LOCATION : JAMKHAR, TRASHIYANGTSE	DATE: MARCH, 2021	SHEET NO STC- 11	NOTE: ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE ALL DIMENSIONS MEASURE UNFINISHED SURFACES UNLESS SPECIFIED OTHERWISE ALL DIMENSIONS ARE TO BE READ AND NOT SCALE OFF ANY DISCREPANCY IN DRAWING IS TO BE BROUGHT TO THE IMMEDIATE NOTICE OF THE ARCHITECT AND THE ENGINEER	www.greendesign.com.bt gdshutan@gmail.com +975 1763132277845668 FLAT NO 8/GONGDZIN LAM ABOVE 8/11 CONVENIENT STORE NEXT TO THIMPHU THROMDE BUILDING THIMPHU: BHUTAN
DRAWING TITLE : CORNICE DETAILS		CERTIFICATE NO. TYE-195-1	PLOT NO- LJAM-20	OWNER: STCBL		



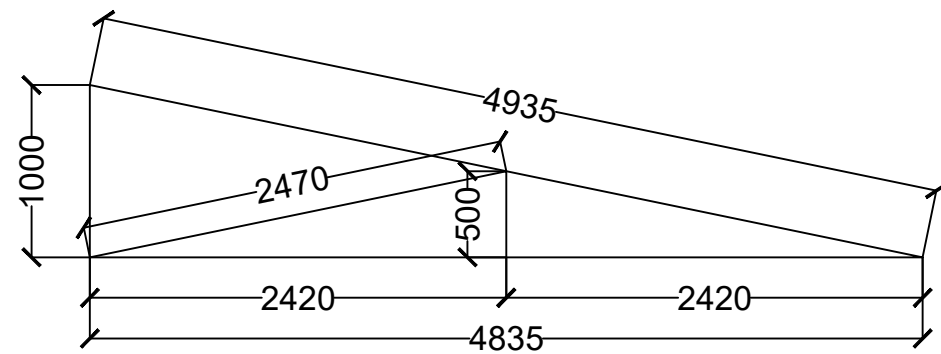
PROJECT TITLE : Fuel Retail Outlet		LOCATION : JAMKHAR, TRASHIYANGTSE	DATE: MARCH, 2021	SHEET NO STC- 12	NOTE: ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE ALL DIMENSIONS MEASURE UNFINISHED SURFACES UNLESS SPECIFIED OTHERWISE ALL DIMENSIONS ARE TO BE READ AND NOT SCALE OFF ANY DISCREPANCY IN DRAWING IS TO BE BROUGHT TO THE IMMEDIATE NOTICE OF THE ARCHITECT AND THE ENGINEER	www.greendesign.com.bt gdshutan@gmail.com +975 1763132277845668 FLAT NO 8/11 CONVENIENT STORE NEXT TO THIMPHU THROMDE BUILDING THIMPHU: BHUTAN
DRAWING TITLE : TRUSS LAYOUT DETAILS	SCALE : NTS	CERTIFICATE NO. TYE-195-1	PLOT NO- LJAM-20	OWNER: STCBL	DESIGN & DRAWN BY SUGAN PRADHAN CIVIL ENGINEER	



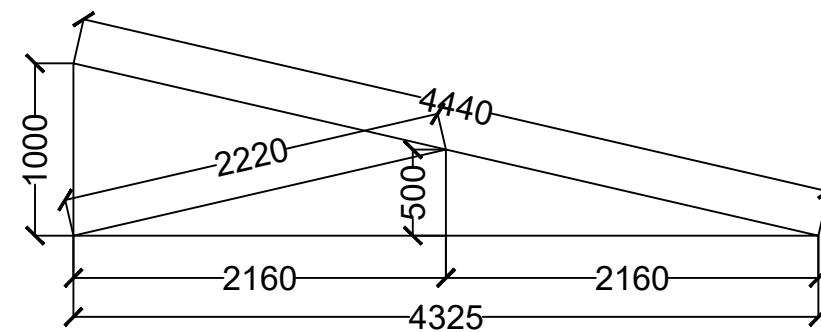
T1 TRUSS DETAILS



T3 TRUSS DETAILS



T2 TRUSS DETAILS



T4 TRUSS DETAILS

PROJECT TITLE : Fuel Retail Outlet



LOCATION :
JAMKHAR,
TRASHIYANGTSE

DATE:
MARCH, 2021

SHEET NO STC- 13

NOTE:

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE
ALL DIMENSIONS MEASURE UNFINISHED SURFACES UNLESS SPECIFIED
OTHERWISE

DRAWING TITLE : TRUSS DETAILS

SCALE : NTS

CERTIFICATE
NO. TYE-195-1

PLOT NO-
LJAM-20

OWNER:
STCBL

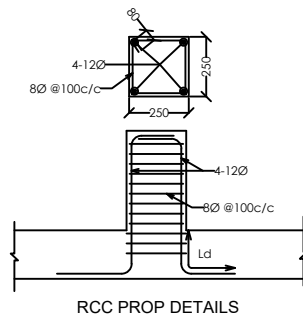
DESIGN & DRAWN BY
SUGAN PRADHAN
CIVIL ENGINEER

ALL DIMENSIONS ARE TO BE READ AND NOT SCALE OFF
ANY DISCREPANCY IN DRAWING IS TO BE BROUGHT TO THE IMMEDIATE
NOTICE OF THE ARCHITECT AND THE ENGINEER

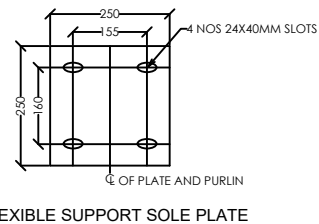
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FLAT NO 8/1 GONGDZIN LAM
ABOVE 8/11 CONVENIENT
STORE NEXT TO THIMPHU
THROMDE BUILDING
THIMPHU: BHUTAN

SCHEDULE OF TRUSS MEMBERS

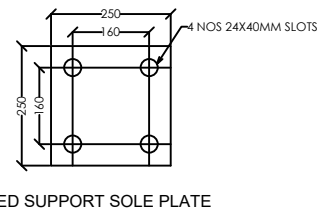
MEMBER	SIZE
Bottom Chord/Tie	60.3mm OD, 3.65mm thick, 5.10Kg/m
Rafter	60.3mm OD, 3.65mm thick, 5.10Kg/m
Post	42.4mm OD, 3.25mm thick, 3.15Kg/m
Strut	42.4mm OD, 3.25mm thick, 3.15Kg/m
Purlin	42.4mm OD, 3.25mm thick, 3.15Kg/m @900c/c



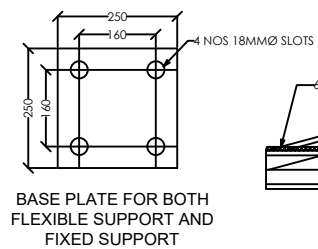
RCC PROP DETAILS



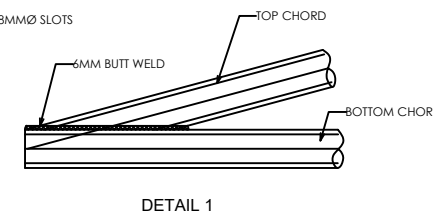
FLEXIBLE SUPPORT SOLE PLATE



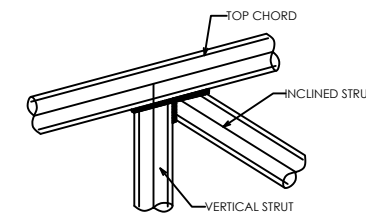
FIXED SUPPORT SOLE PLATE



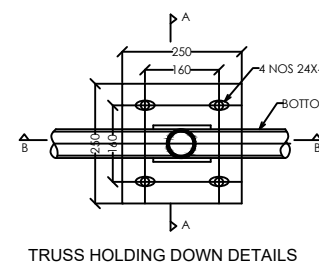
BASE PLATE FOR BOTH FLEXIBLE SUPPORT AND FIXED SUPPORT



DETAIL 1

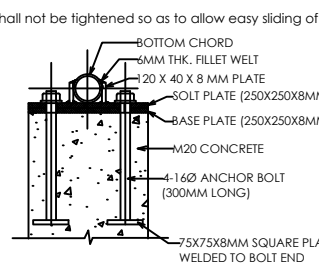


DETAIL 2

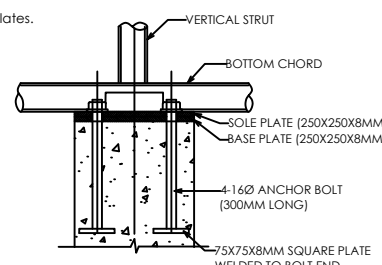


TRUSS HOLDING DOWN DETAILS

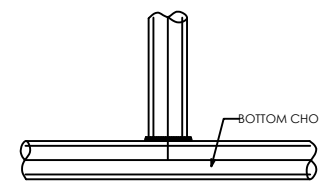
NOTES:
For flexible support, bolts shall not be tightened so as to allow easy sliding of sole plates.



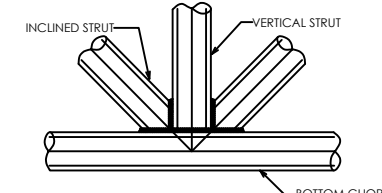
SECTION A-A



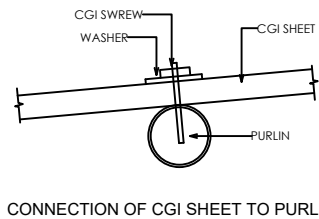
SECTION B-B



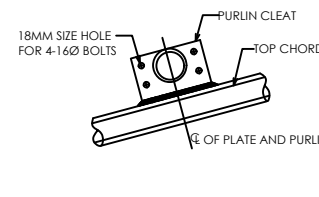
DETAIL 3



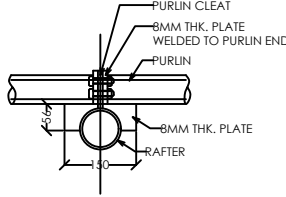
DETAIL 4



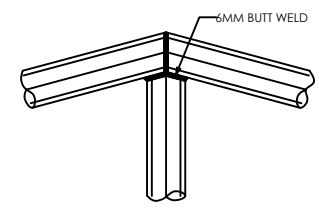
CONNECTION OF CGI SHEET TO PURLIN



PURLIN CLEAT

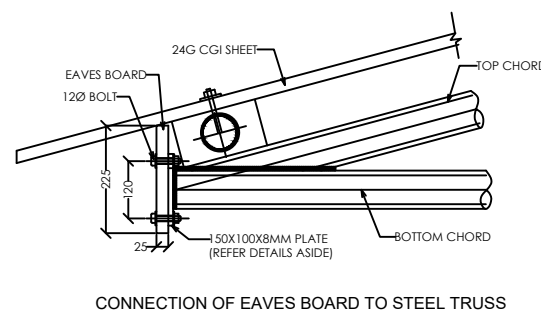


PURLIN CLEAT FOR ALL TRUSSES

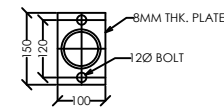


DETAIL 5

- NOTES:**
- All dimensions are in mm unless stated otherwise.
 - Connection details shown are for different types of joints and to be taken same for similar joints.
 - Height of RCC prop to be taken as per Architectural drawings.
 - All members of truss joint shall be in welding.
 - Welding shall conform to IS 816 and thickness shall be 6mm.
 - All Steel Tube Sections and Plates shall conform to IS 1161 & IS 2062.
 - All MS Nuts & Bolts shall conform to IS 1363-1984 and Washers shall conform to IS 5374.



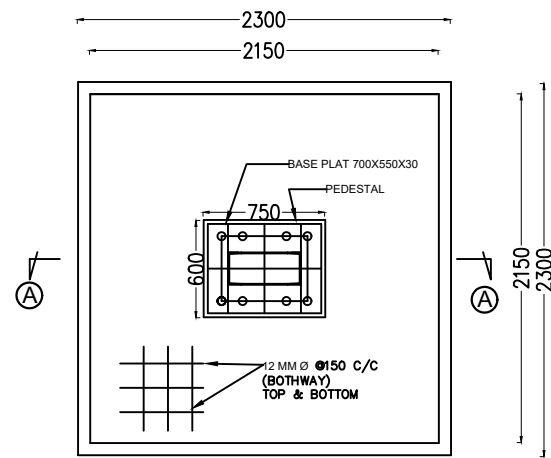
CONNECTION OF EAVES BOARD TO STEEL TRUSS



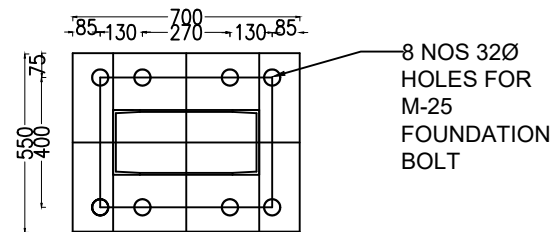
EAVES BOARD PLATE DETAIL

PROJECT TITLE : Fuel Retail Outlet		LOCATION : JAMKHAR, TRASHIYANGTSE	DATE: MARCH, 2021	SHEET NO STC- 14	NOTE: ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE ALL DIMENSIONS MEASURE UNFINISHED SURFACES UNLESS SPECIFIED OTHERWISE	
DRAWING TITLE : TRUSS DETAILS	SCALE : NTS	CERTIFICATE NO. TYE-195-1	PLOT NO- LJAM-20	OWNER: STCBL	DESIGN & DRAWN BY SUGAN PRADHAN CIVIL ENGINEER	ALL DIMENSIONS ARE TO BE READ AND NOT SCALE OFF ANY DISCREPANCY IN DRAWING IS TO BE BROUGHT TO THE IMMEDIATE NOTICE OF THE ARCHITECT AND THE ENGINEER

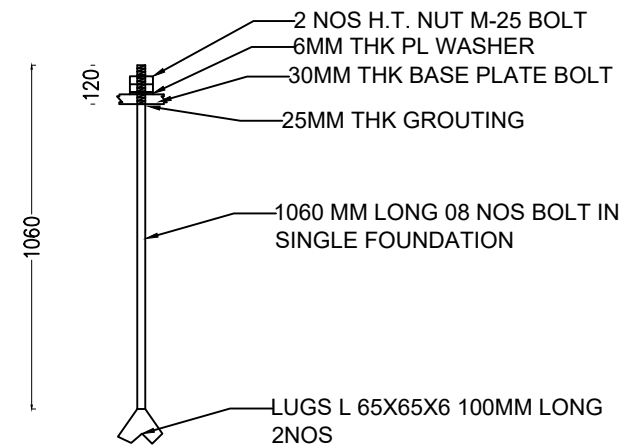
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FLAT NO 811 GONGDZIN LAM
STORE NEXT TO THIMPHU
THROMDE BUILDING
THIMPHU: BHUTAN



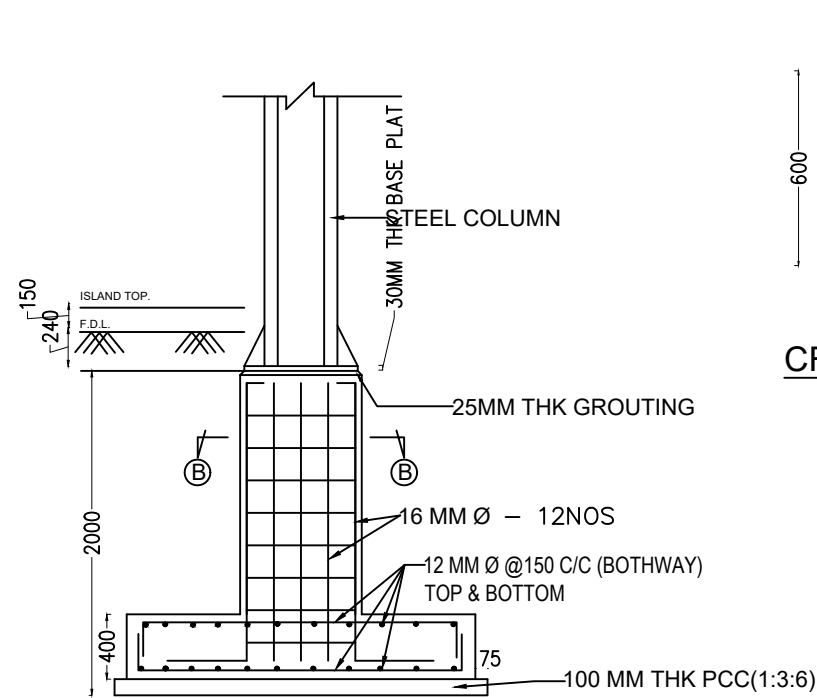
PLAN OF FOOTING



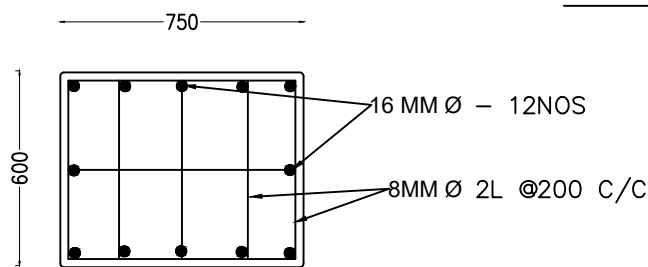
BASE PLATE PLAN



DETAIL OF FOUNDATION BOLT



CROSS SECTION A-A



CROSS SECTION B-B

CANOPY

SHEET TITLE:
DRAWING OF FOUNDATION DETAILS OF CANOPY

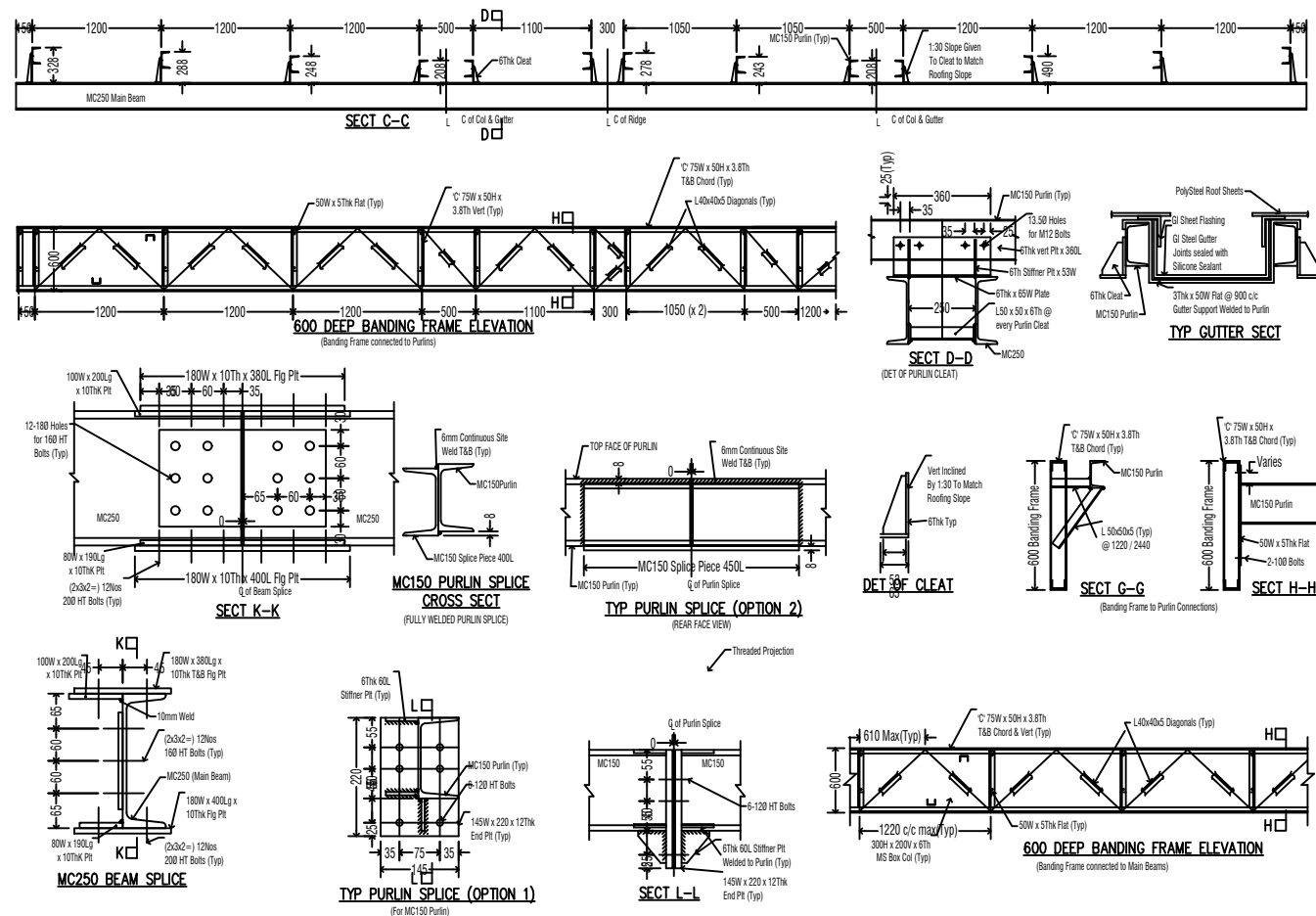
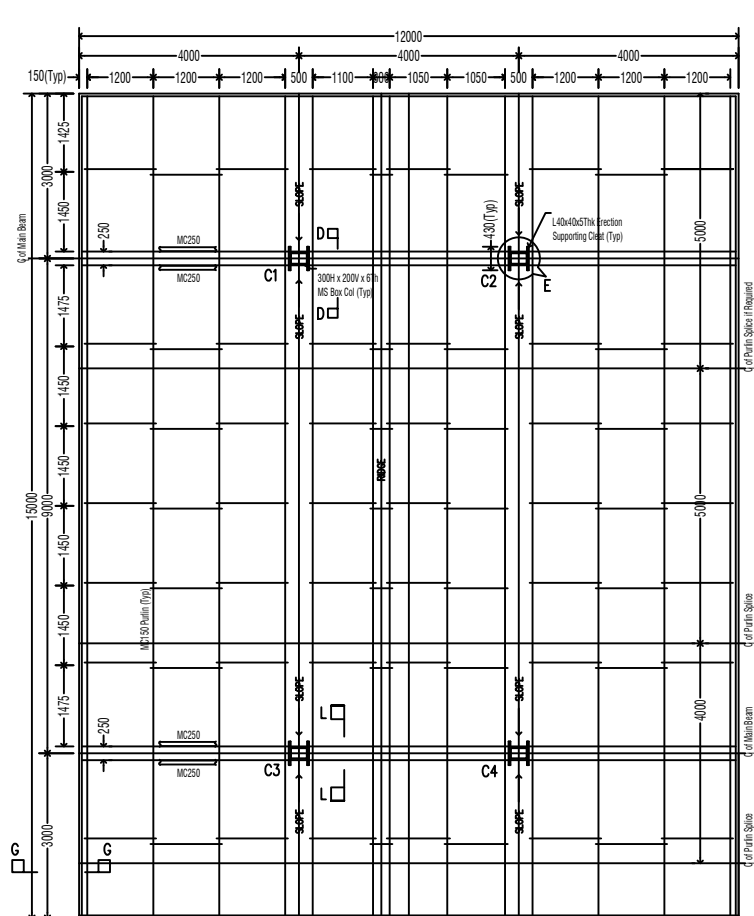
1. ALL DIMENSION ARE IN MILLIMETERS
2. ALL STEEL SURFACES IN CONTACT WITH CONCRETE SHALL NOT BE PAINTED.
3. CONCRETE SHALL BE OF GRADE M-20 (1:1.5:3.)
4. FOR COMMON WALL, WALL THICKNESS SHALL BE 500MM

5. CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWS. FOR TOP & BOTTOM SLAB 25MM & SIDES 40MM
6. DEPTH TO BE FINALIZED AT SITE DEPENDING ON SOIL CONDITION.
7. THE WELDING SHALL BE AS PER IS:816 USING ONLY IS MARKED ELECTRODES OF APPROVED MAKE.

9. GRADE OF STEEL SHALL BE Fe 415
10. MINIMUM LAP LENGTH SHALL BE 50 TIMES OF DIA OF BAR & LAP SHALL BE SUITABLY STAGGERED
11. BEARING CAPACITY OF SOIL CONSIDERED 10 T/SQM
12. DESIGN BASIS : IS 456, IS 875 (PART i - iv)

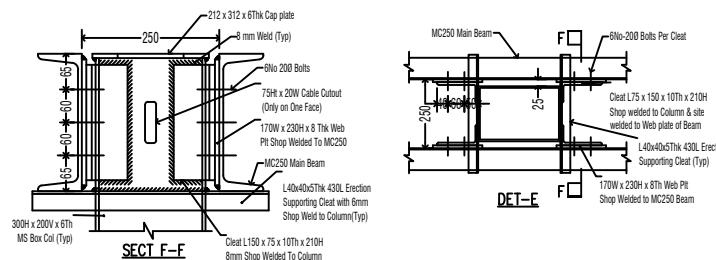
PROJECT TITLE : Fuel Retail Outlet		LOCATION : JAMKHAR, TRASHIYANGTSE		DATE: MARCH, 2021	SHEET NO STC- 15	NOTE: ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE ALL DIMENSIONS MEASURE UNFINISHED SURFACES UNLESS SPECIFIED OTHERWISE ALL DIMENSIONS ARE TO BE READ AND NOT SCALE OFF ANY DISCREPANCY IN DRAWING IS TO BE BROUGHT TO THE IMMEDIATE NOTICE OF THE ARCHITECT AND THE ENGINEER	<small>www.greendesign.com.bt gds@btan@gmail.com +975 1763132277845668 FLAT NO 8/11 CONVENIENT STORE NEXT TO THIMPHU THROMDE BUILDING THIMPHU: BHUTAN</small>
DRAWING TITLE : CANOPY FOUNDATION DETAILS	SCALE : NTS	CERTIFICATE NO. TYE-195-1	PLOT NO- LJAM-20	OWNER: STCBL	DESIGN & DRAWN BY SUGAN PRADHAN CIVIL ENGINEER		

CANOPY



NOTES FOR STRUCTURAL STEEL:

- 1) All Buttwelds Shall Be Complete Penetration Buttwelds Developing Full Strength of Members (Unless Noted Otherwise = UNO).
- 2) All Holes Are 180 For 160 Bolts Typ (UNO).
- 3) All Shop Welds Are 6mm Continuous Fillet Weld (UNO).
- 4) All Fabrication Shall Be Done By Full Scale Setout At Site. The Erection And Assembly Clearances/Tolerances To Be Checked And Provided By The Fabricator.
- 5) All steel Surfaces In Contact With Concrete/Grout/Mortar Shall Be Left Unpainted & Cleaned Thoroughly.
- 6) All Gusset/Pack Plates Shall Be 8mm Thk (UNO).
- 7) No Splices shall be provided without prior approved detail.
- 8) All Splices Shall Develop Full Strength OF The Smaller Section And Shall Be Fully Welded After Erection (UNO).
- 9) All Structural Steel Work Shall Be Painted With Two Coats Of Zinc Rich Primer And Two Coats Of Enamel Paint of approved Shade.



PROJECT TITLE : Fuel Retail Outlet

DRAWING TITLE : CANOPY DETAILS



SCALE : NTS

LOCATION :
JAMKHAR,
TRASHIYANGTSE

CERTIFICATE
NO. TYE-195-1

PLOT NO-
LJAM-20

DATE:
MARCH, 2021

OWNER:
STCBL

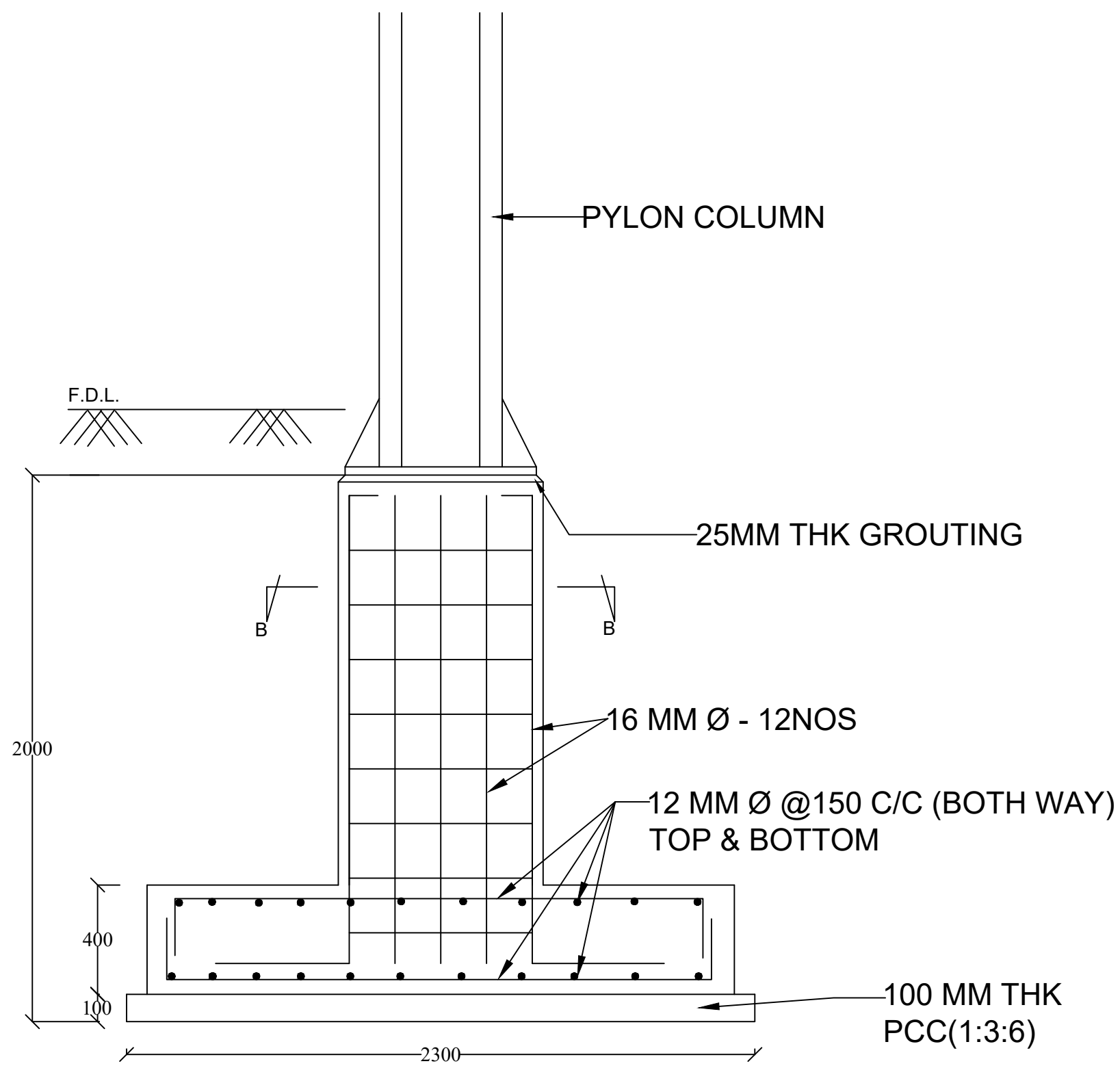
SHEET NO STC- 16

DESIGN & DRAWN BY
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CIVIL ENGINEER

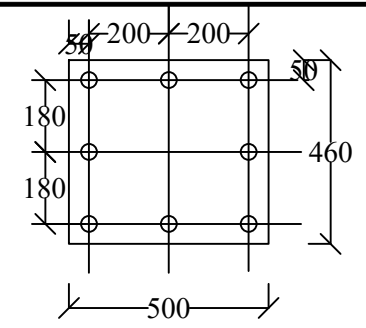
NOTE:

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ALL DIMENSIONS MEASURE UNFINISHED SURFACES UNLESS SPECIFIED OTHERWISE
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ANY DISCREPANCY IN DRAWING IS TO BE BROUGHT TO THE IMMEDIATE NOTICE OF THE ARCHITECT AND THE ENGINEER

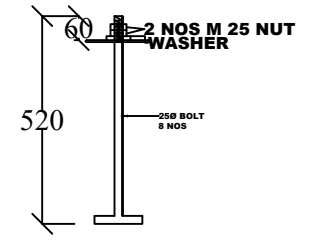
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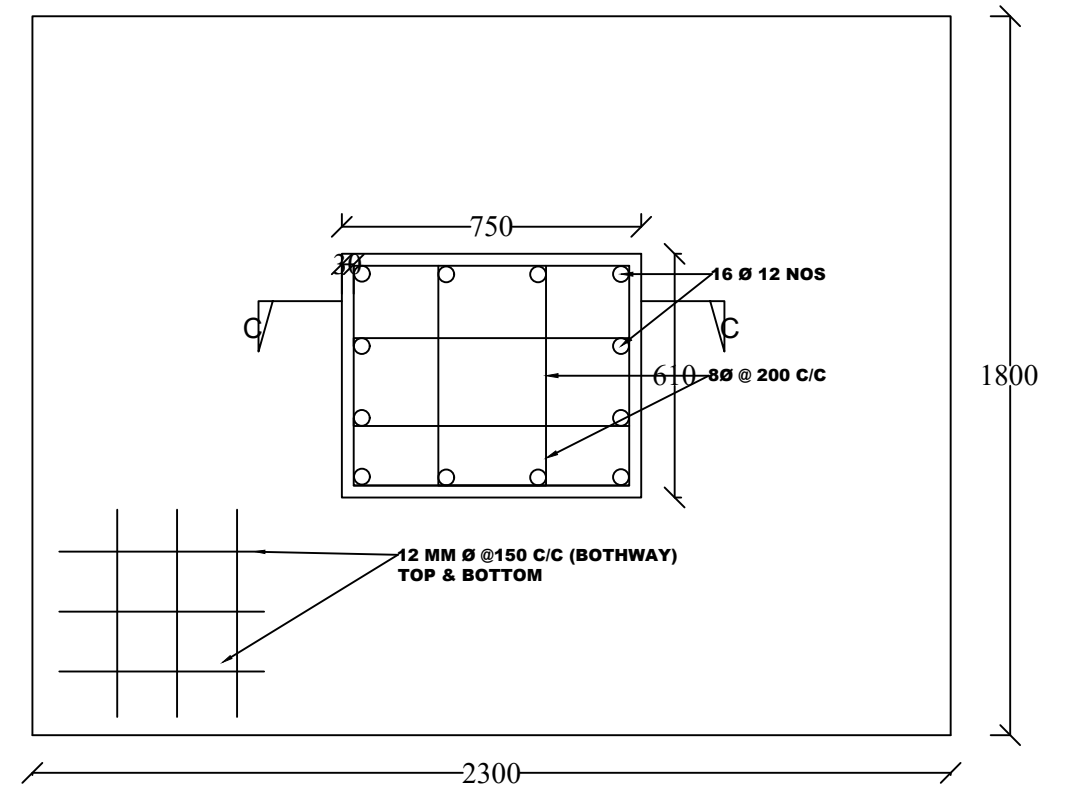
SECTION C-C



BASE PLATE




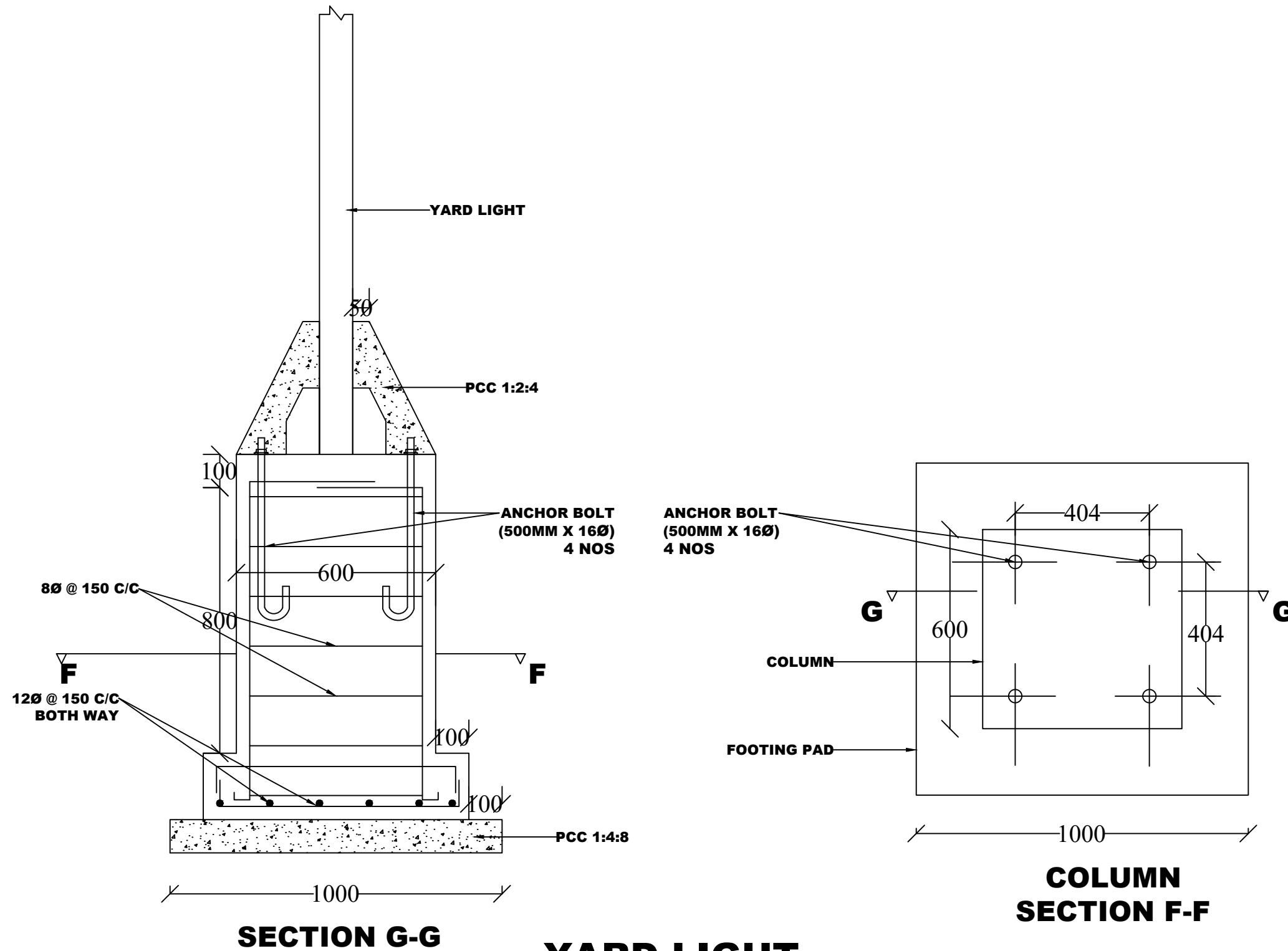
ANCHOR BOLT




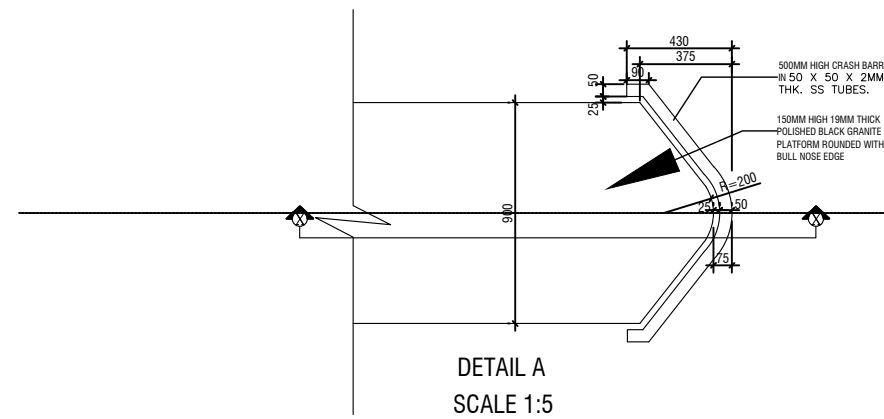
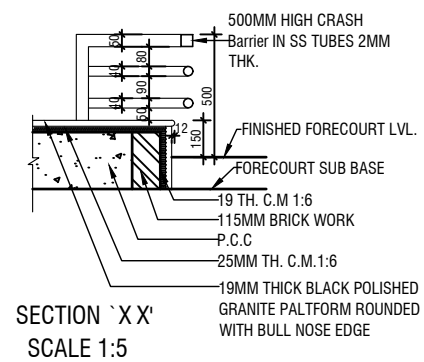
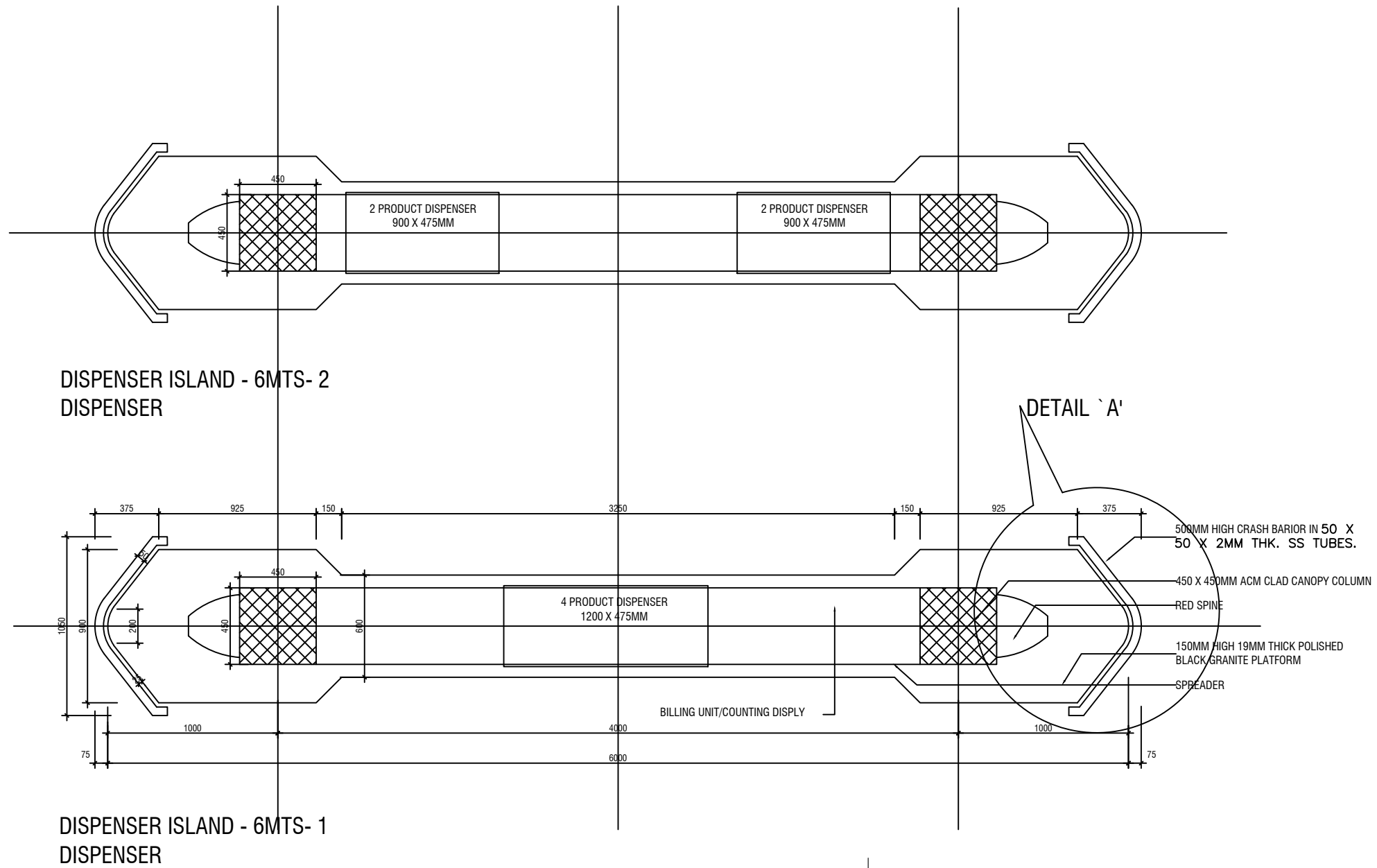
SECTION B-B

PYLON FOUNDATION

PROJECT TITLE : Fuel Retail Outlet	 SCALE : NTS	LOCATION : JAMKHAR, TRASHIYANGTSE	DATE: MARCH, 2021	SHEET NO STC- 17	NOTE: ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE ALL DIMENSIONS MEASURE UNFINISHED SURFACES UNLESS SPECIFIED OTHERWISE ALL DIMENSIONS ARE TO BE READ AND NOT SCALE OFF ANY DISCREPANCY IN DRAWING IS TO BE BROUGHT TO THE IMMEDIATE NOTICE OF THE ARCHITECT AND THE ENGINEER	www.greendesign.com.bt gds@btanet.com +975 1763132277845668 FLAT NO 8/11 CONVENIENT LAM ABOVE 8/11 CONVENIENT STORE NEXT TO THIMPHU THROMDE BUILDING THIMPHU: BHUTAN
DRAWING TITLE : PYLON FOUNDATION DETAILS		CERTIFICATE NO. TYE-195-1	PLOT NO- LJAM-20	OWNER: STCBL		



PROJECT TITLE : Fuel Retail Outlet		LOCATION : JAMKHAR, TRASHIYANGTSE	DATE: MARCH, 2021	SHEET NO STC- 18	NOTE: ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE ALL DIMENSIONS MEASURE UNFINISHED SURFACES UNLESS SPECIFIED OTHERWISE ALL DIMENSIONS ARE TO BE READ AND NOT SCALE OFF ANY DISCREPANCY IN DRAWING IS TO BE BROUGHT TO THE IMMEDIATE NOTICE OF THE ARCHITECT AND THE ENGINEER	<small>www.greendesign.com.bt gdshutan@gmail.com +975 176313227784568 FLAT NO 8/11 CONVENIENT STORE NEXT TO THIMPHU THROMDE BUILDING THIMPHU: BHUTAN</small>
DRAWING TITLE : YARD LIGHT FOUNDATION	SCALE : NTS	CERTIFICATE NO. TYE-195-1	PLOT NO- LJAM-20	OWNER: STCBL		



PROJECT TITLE : Fuel Retail Outlet



LOCATION :
JAMKHAR,
TRASHIYANGTSE

DATE:
MARCH, 2021

SHEET NO STC- 19

NOTE:

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ALL DIMENSIONS MEASURE UNFINISHED SURFACES UNLESS SPECIFIED OTHERWISE
ALL DIMENSIONS ARE TO BE READ AND NOT SCALE OFF
ANY DISCREPANCY IN DRAWING IS TO BE BROUGHT TO THE IMMEDIATE NOTICE OF THE ARCHITECT AND THE ENGINEER

DRAWING TITLE : ISLAND DETAILS

SCALE : NTS

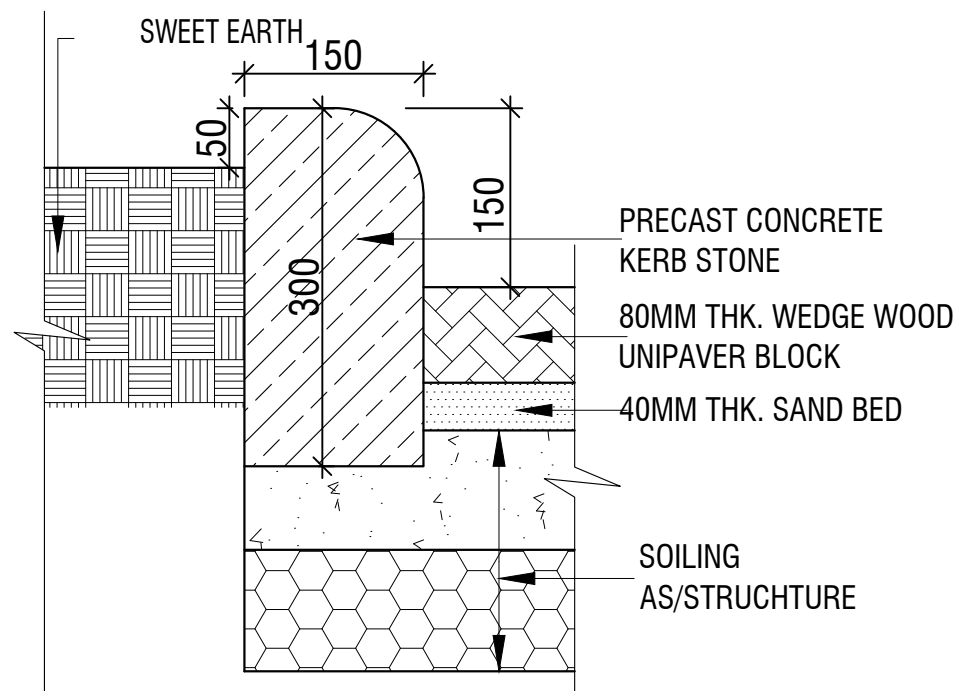
CERTIFICATE
NO. TYE-195-1

PLOT NO-
LJAM-20

OWNER:
STCBL

DESIGN & DRAWN BY
SUGAN PRADHAN
CIVIL ENGINEER

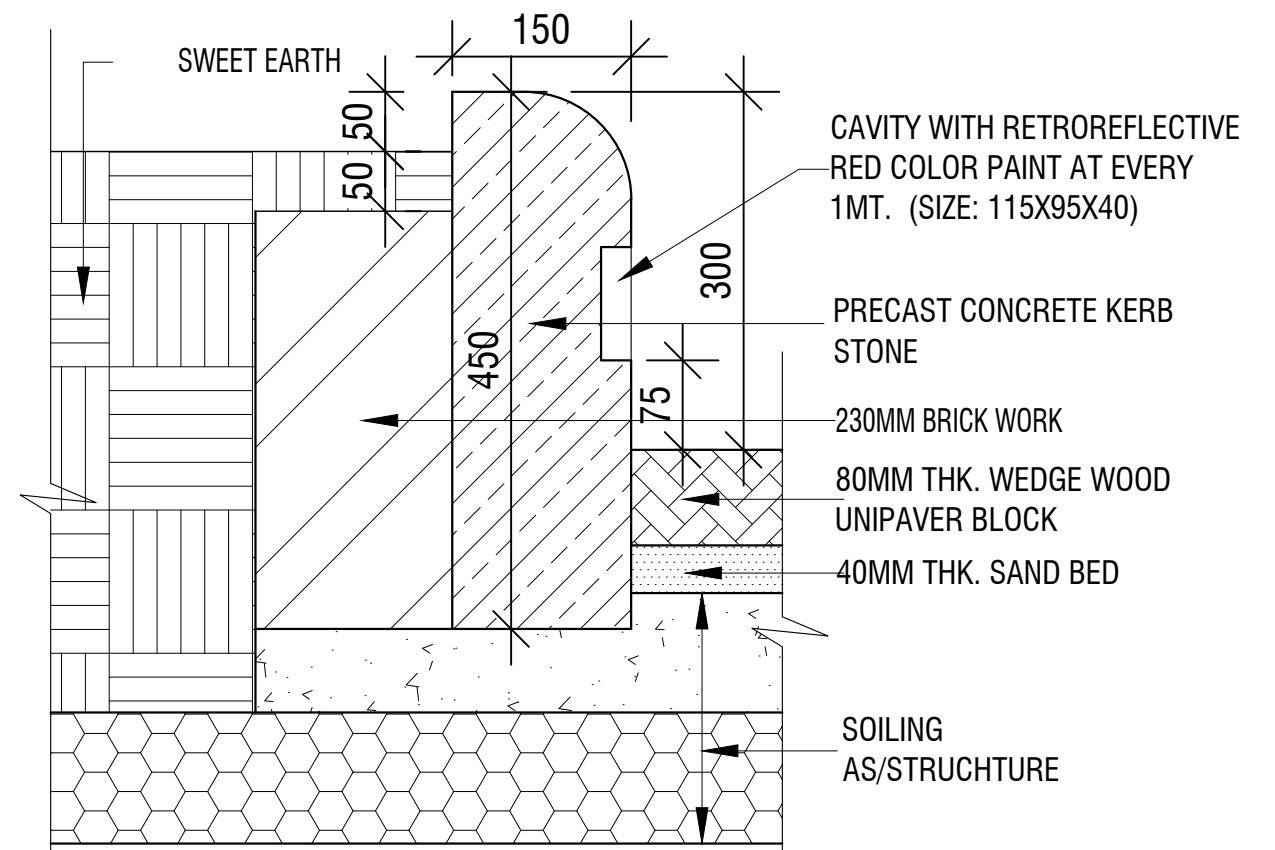
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THROMDE BUILDING
THIMPHU: BHUTAN



KERB STONE DETAIL AROUND GREEN AREA

TYPICAL DETAIL 'C'

SCALE 1:50



KERB STONE DETAIL AROUND (D) AREA

TYPICAL DETAIL 'D'

SCALE 1:50

PROJECT TITLE : Fuel Retail Outlet



LOCATION :
JAMKHAR,
TRASHIYANGTSE

DATE:
MARCH, 2021

SHEET NO STC- 20

NOTE:

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE
ALL DIMENSIONS MEASURE UNFINISHED SURFACES UNLESS SPECIFIED OTHERWISE

DRAWING TITLE : **KERB STONE DETAILS**

SCALE : NTS

CERTIFICATE
NO. TYE-195-1

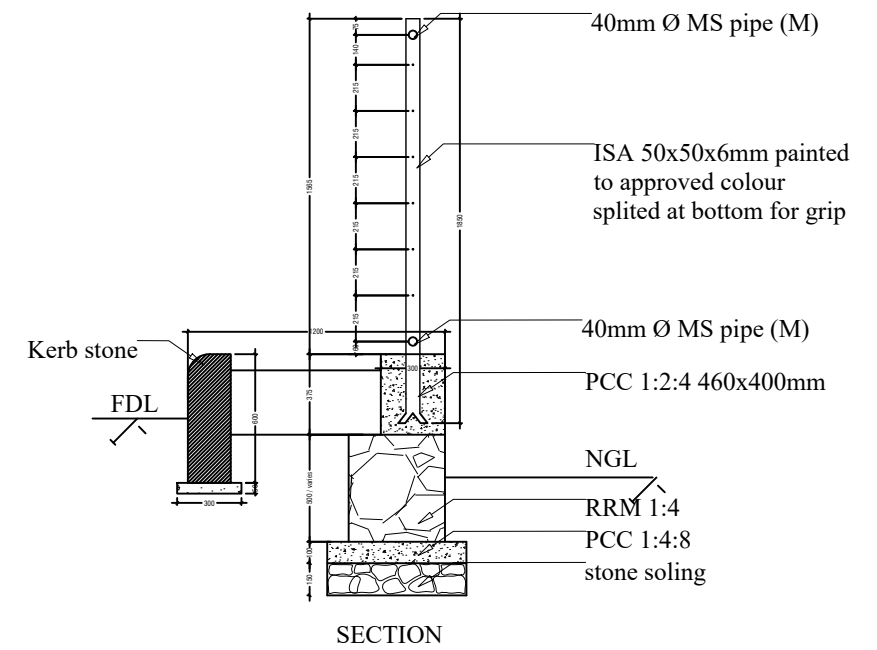
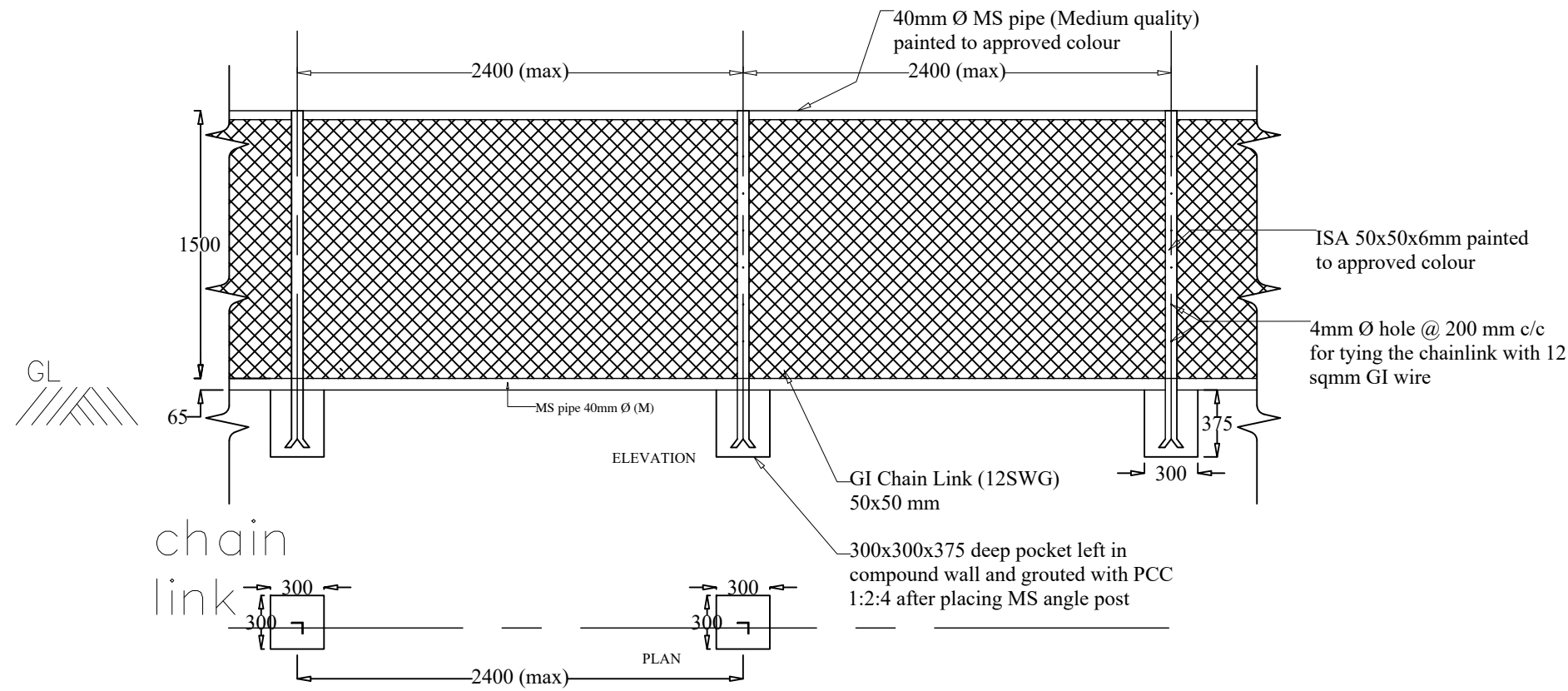
PLOT NO-
LJAM-20

OWNER:
STCBL

DESIGN & DRAWN BY
SUGAN PRADHAN
CIVIL ENGINEER

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THROMDE BUILDING
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PROJECT TITLE : Fuel Retail Outlet



LOCATION :
JAMKHAR,
TRASHIYANGTSE

DATE:
MARCH, 2021

SHEET NO STC- 21

NOTE:

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ALL DIMENSIONS MEASURE UNFINISHED SURFACES UNLESS SPECIFIED OTHERWISE

DRAWING TITLE : **BOUNDARY FENCING DETAILS**

SCALE : NTS

CERTIFICATE
NO. TYE-195-1

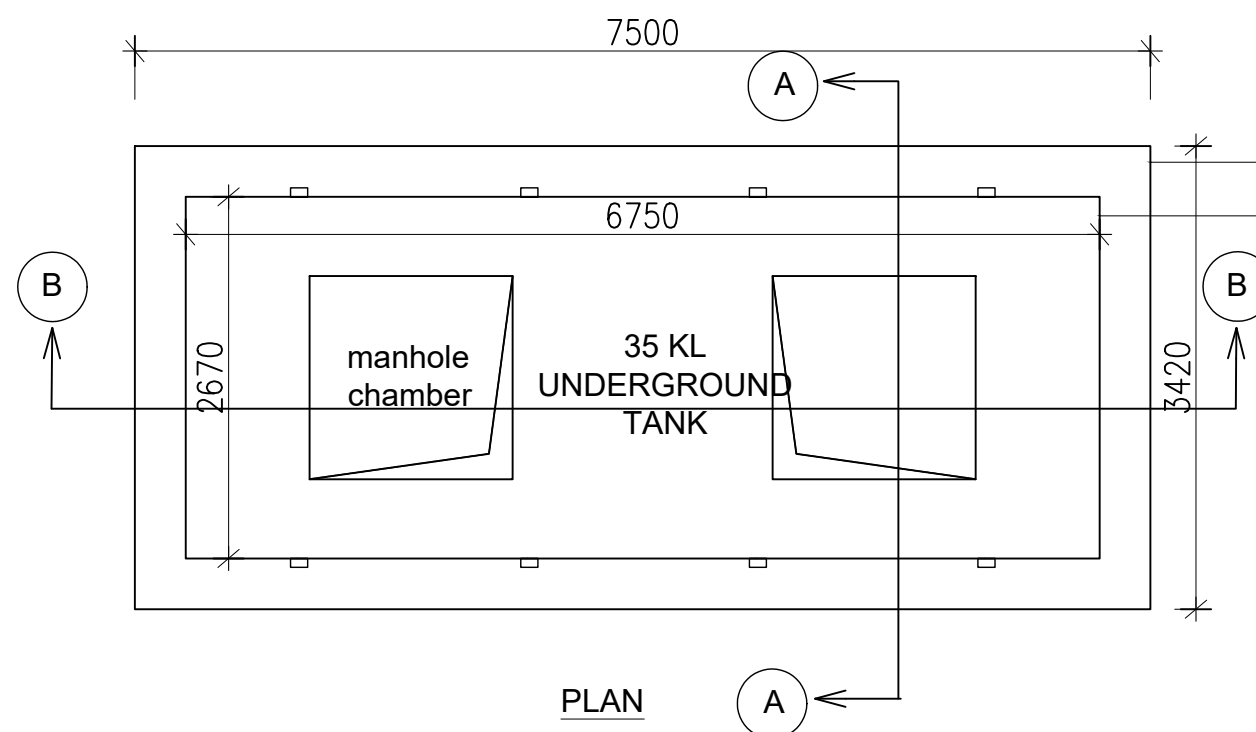
PLOT NO-
LJAM-20

OWNER:
STCBL

DESIGN & DRAWN BY
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CIVIL ENGINEER

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THROMDE BUILDING
THIMPHU: BHUTAN

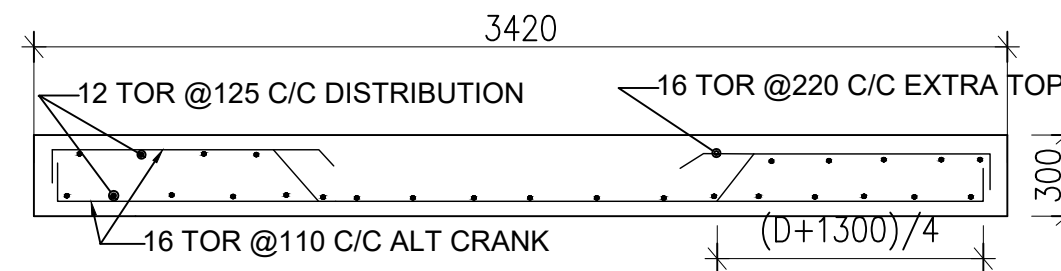


PLAN

BOTTOM RCC SLAB LINE

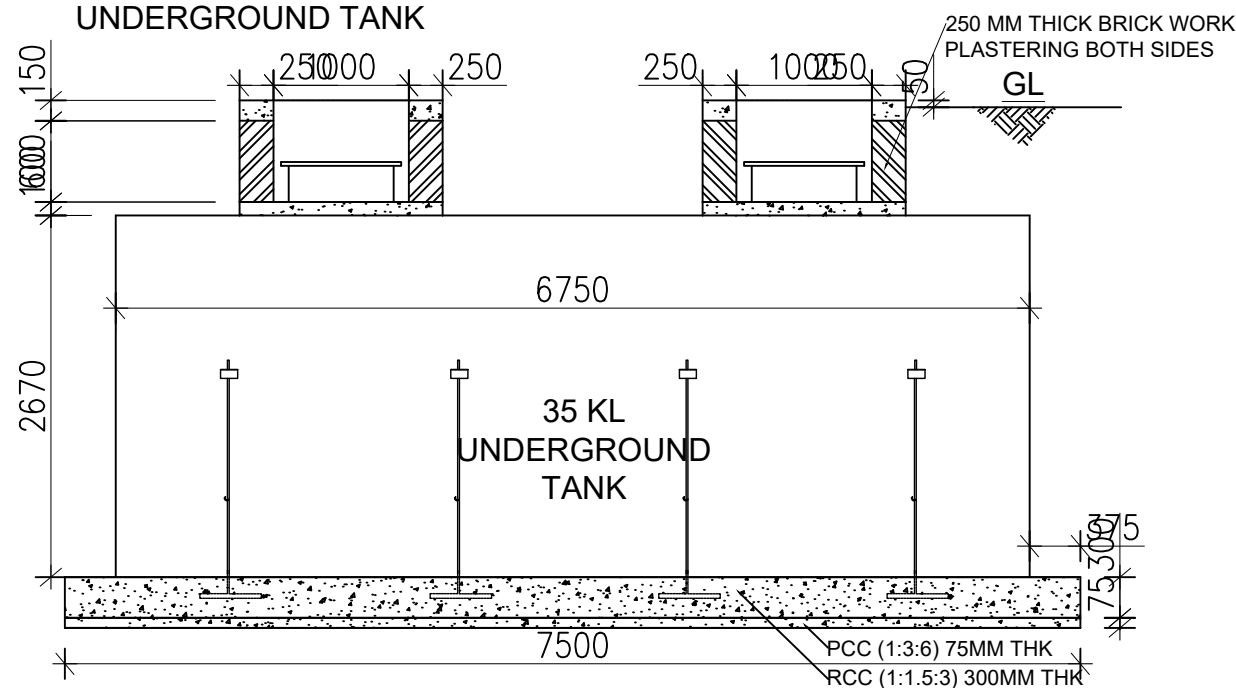
45 KL UNDERGROUND TANK LINE

1. ALL DIMENSION ARE IN MILLIMETERS
2. ALL STEEL SURFACES IN CONTACT WITH CONCRETE SHALL NOT BE PAINTED.
3. CONCRETE SHALL BE OF GRADE M-20 (1:1.5:3)
4. FOR COMMON WALL, WALL THICKNESS SHALL BE 250 MM
5. CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWS FOR TOP & BOTTOM SLAB 25MM & SIDES 40MM
6. DEPTH TO BE FINALIZED AT SITE DEPENDING ON SOIL CONDITION.
7. THE WELDING SHALL BE AS PER IS:816 USING ONLY IS MARKED ELECTRODES OF APPROVED MAKE.
8. GRADE OF STEEL SHALL BE Fe 500.
9. MINIMUM LAP LENGTH SHALL BE 50 TIMES OF DIAMETER OF BAR & LAP SHALL BE SUITABLY STAGGERED.
10. BEARING CAPACITY OF SOIL CONSIDERED 10 T/SQM.

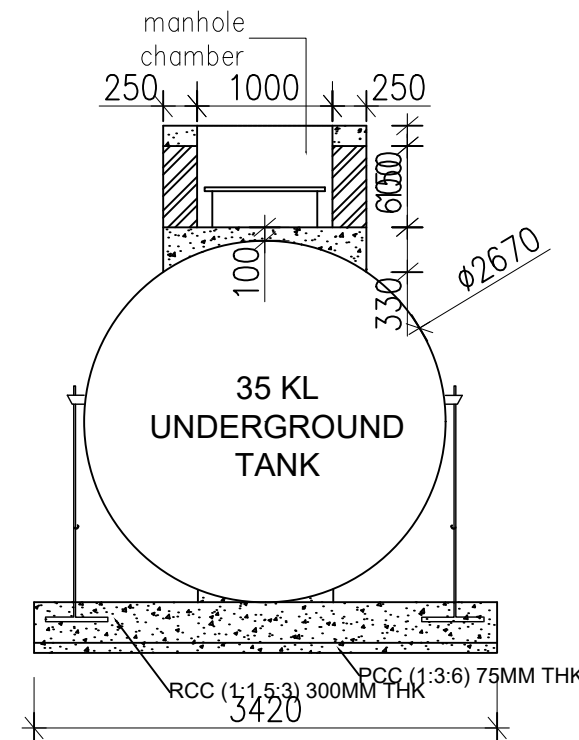


BOTTOM RAFT REINFORCEMENT DETAILS

SHEET TITLE:
DRAWING OF 35 KL
UNDERGROUND TANK



CROSS SECTION B-B



CROSS SECTION A-A

PROJECT TITLE : Fuel Retail Outlet



LOCATION :
JAMKHAR,
TRASHIYANGTSE

DATE:
MARCH, 2021

SHEET NO STC- 22

NOTE:
ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE
ALL DIMENSIONS MEASURE UNFINISHED SURFACES UNLESS SPECIFIED OTHERWISE
ALL DIMENSIONS ARE TO BE READ AND NOT SCALE OFF
ANY DISCREPANCY IN DRAWING IS TO BE BROUGHT TO THE IMMEDIATE NOTICE OF THE ARCHITECT AND THE ENGINEER

DRAWING TITLE : UG TANK 35KL

SCALE : NTS

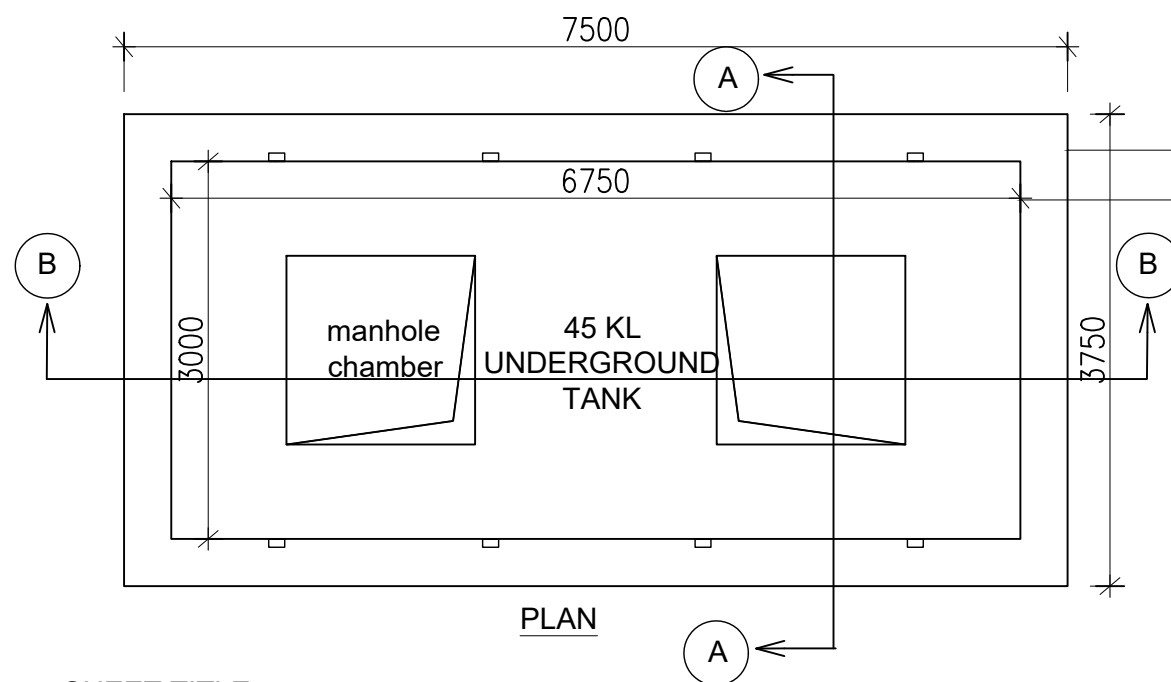
CERTIFICATE
NO. TYE-195-1

PLOT NO-
LJAM-20

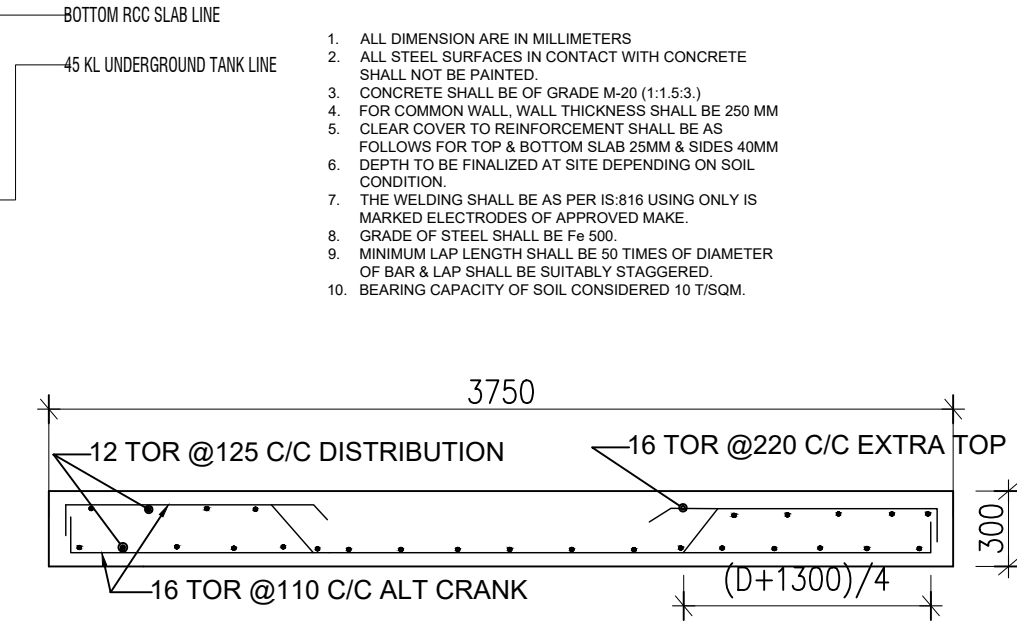
OWNER:
STCBL

DESIGN & DRAWN BY
SUGAN PRADHAN
CIVIL ENGINEER

www.greendesign.com.bt
gdshutan@gmail.com
+975 17613227784568
FLAT NO 8/11 CONVENIENT
STORE NEXT TO THIMPHU
THROMDE BUILDING
THIMPHU: BHUTAN



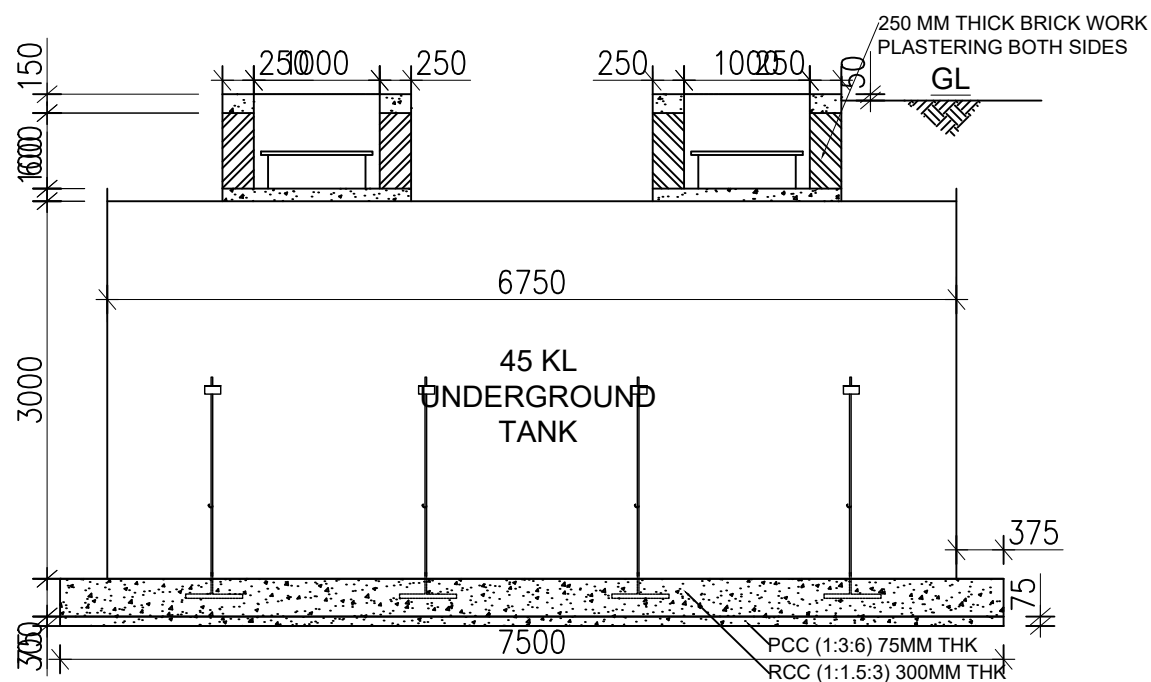
PLAN



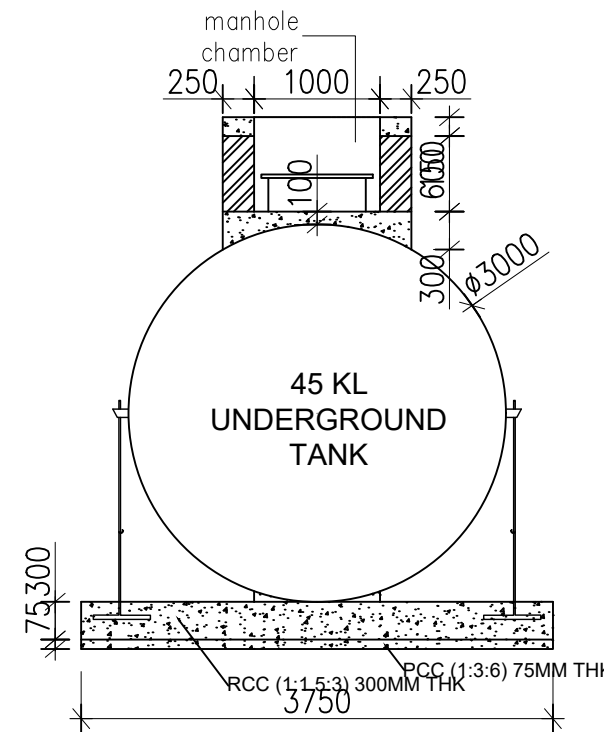
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10. BEARING CAPACITY OF SOIL CONSIDERED 10 T/SQM.

SHEET TITLE:
DRAWING OF 45 KL UNDERGROUND TANK



CROSS SECTION B-B



CROSS SECTION A-A

PROJECT TITLE : Fuel Retail Outlet		LOCATION : JAMKHAR, TRASHIYANGTSE	DATE: MARCH, 2021	SHEET NO STC- 23	NOTE: ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE ALL DIMENSIONS MEASURE UNFINISHED SURFACES UNLESS SPECIFIED OTHERWISE ALL DIMENSIONS ARE TO BE READ AND NOT SCALE OFF ANY DISCREPANCY IN DRAWING IS TO BE BROUGHT TO THE IMMEDIATE NOTICE OF THE ARCHITECT AND THE ENGINEER	www.greendesign.com.bt gdshutan@gmail.com +975 1763132277845668 FLAT NO 8/11 CONVENIENT STORE NEXT TO THIMPHU THROMDE BUILDING THIMPHU: BHUTAN
DRAWING TITLE : UG TANK 45KL		CERTIFICATE NO. TYE-195-1	PLOT NO- LJAM-20	OWNER: STCBL		