

STRUCTURAL DRAWINGS FOR PROPOSED FUEL RETAIL OUTLET, G+1 STORIED SALES BUILDING AND OTHER STRUCTURES.

LOCATION: CHHUME, BUMTHANG

OWNER: STATE TRADING CORPORATION OF BHUTAN LTD. THIMPHU

PROJECT:

TITLE: FUEL RETAIL OUTLET
LOCATION: CHHUME BUMTHANG
OWNER: STCBL
PLOT ID: LCHU-6
CERTIFICATE NO: BUM-74-6
FLOORS: G+1 STRUCTURE



OWNER SIGNATURE

DESIGNED BY:

SUGAN PRADHAN
(GENERAL MANAGER, PETROLEUM DIVISION)
CIVIL ENGINEER
STCBL, THIMPHU

DRAWING TITLE:

STRUCTURAL DRAWING

DATE: APRIL 2021

SCALE: NTS

DRAWING

SHEET NO : ST/00

REVISION SUFFIX

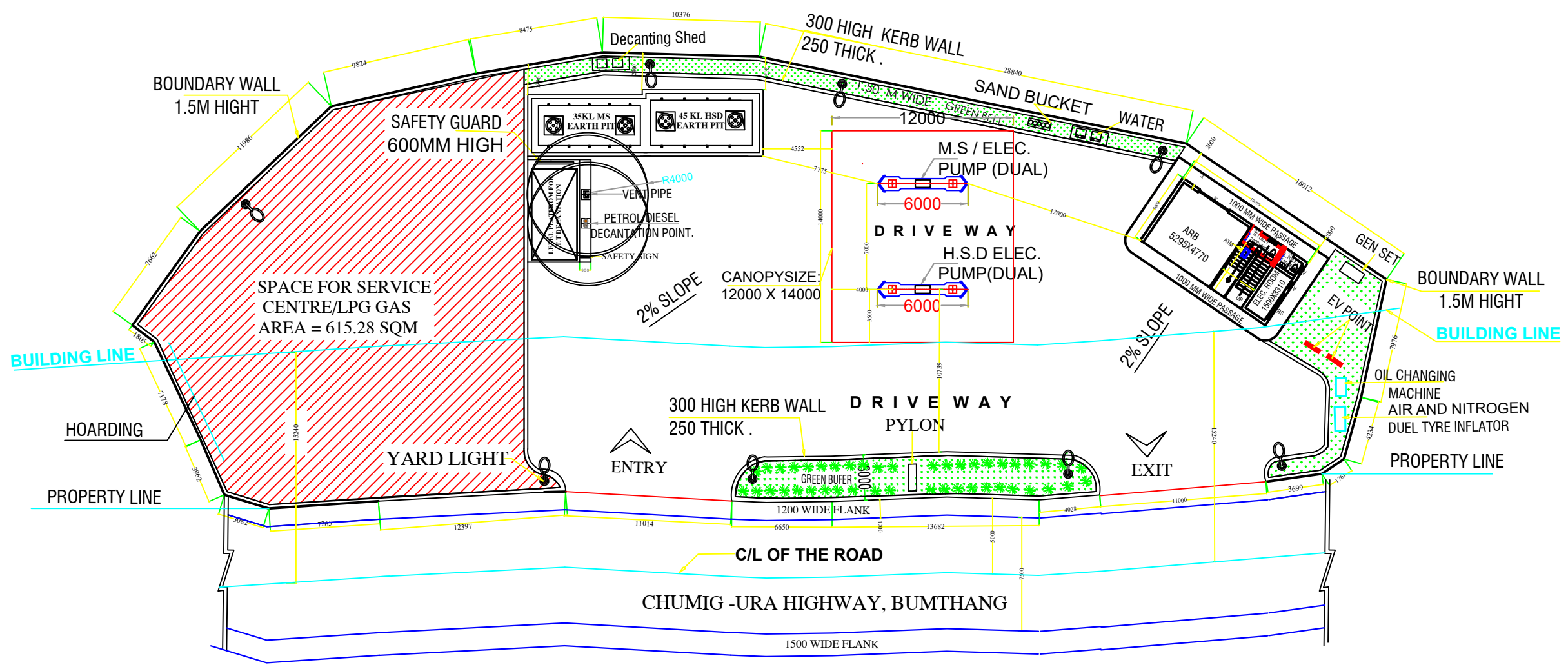
NORTH



GENERAL NOTE:

- ALL DIMENSIONS ARE IN METERS (FEETS) 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.

PROJECT:
TITLE: FUEL RETAIL OUTLET
LOCATION: CHHUME BUMTHANG
OWNER: STCBL
PLOT ID: LCHU-6
CERTIFICATE NO: BUM-74-6
FLOORS: G+1 STRUCTURE



LAY OUT PLAN
 SCALE - 1:150

OWNER SIGNATURE

DESIGNED BY:
SUGAN PRADHAN
 (GENERAL MANAGER, PETROLEUM DIVISION)
 CIVIL ENGINEER
 STCBL, THIMPHU
DRAWING TITLE: LAYOUT PLAN

STRUCTURAL DRAWING

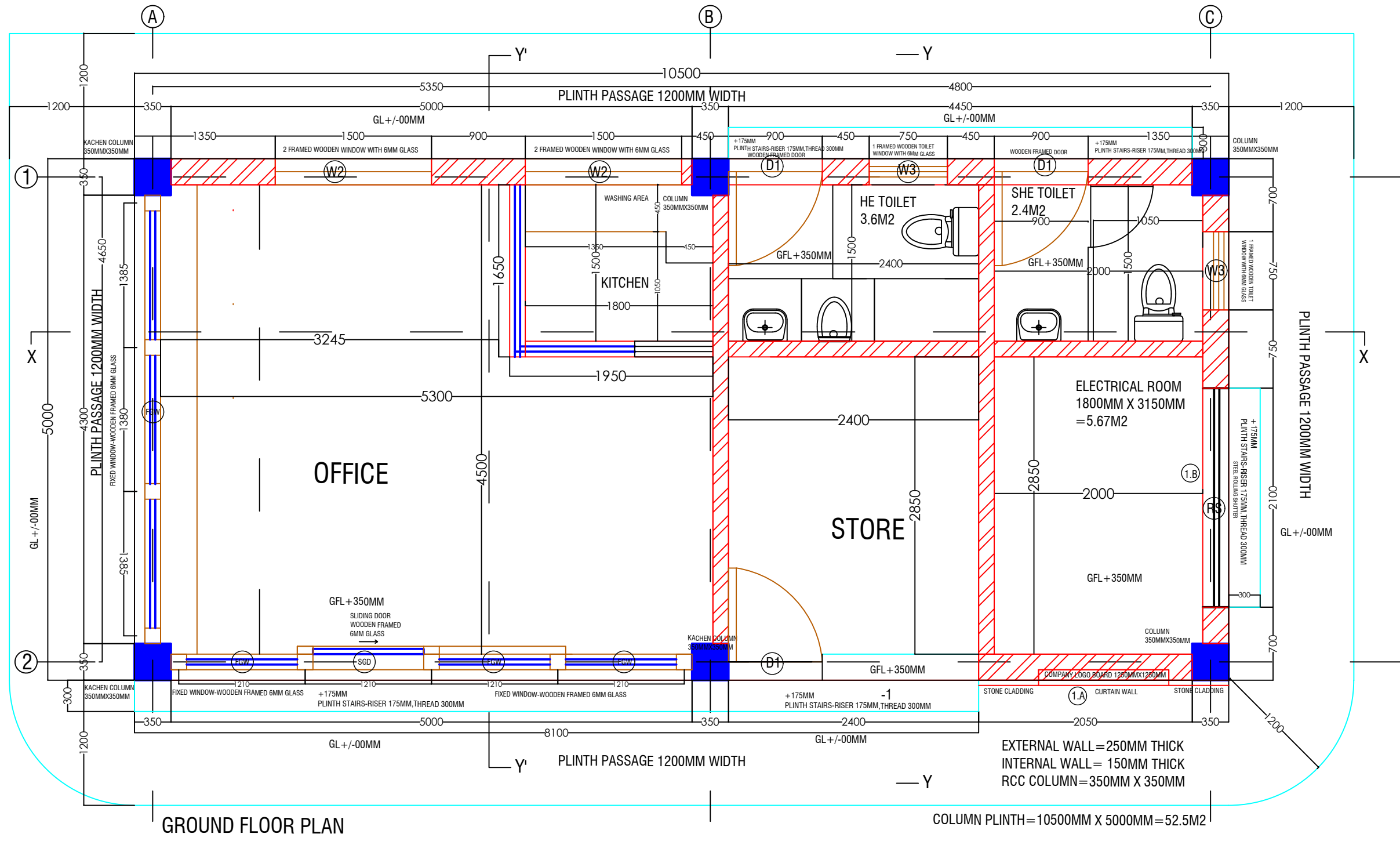
DATE: APRIL 2021
SCALE: NTS

DRAWING
SHEET NO : ST/00

REVISION SUFFIX	NORTH
□ □ □ □ □	

- GENERAL NOTE:**
- ALL DIMENSIONS ARE IN METERS (FEET) 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.

PROJECT:
TITLE: FUEL RETAIL OUTLET
LOCATION: CHHUME BUMTHANG
OWNER: STCBL
PLOT ID: LCHU-6
CERTIFICATE NO: BUM-74-6
FLOORS: G+1 STRUCTURE



OWNER SIGNATURE

DESIGNED BY:
SUGAN PRADHAN
 (GENERAL MANAGER, PETROLEUM DIVISION)
 CIVIL ENGINEER
 STCBL, THIMPHU

DRAWING TITLE: GROUND FLOOR PLAN
STRUCTURAL DRAWING

DATE: APRIL 2021

SCALE: NTS

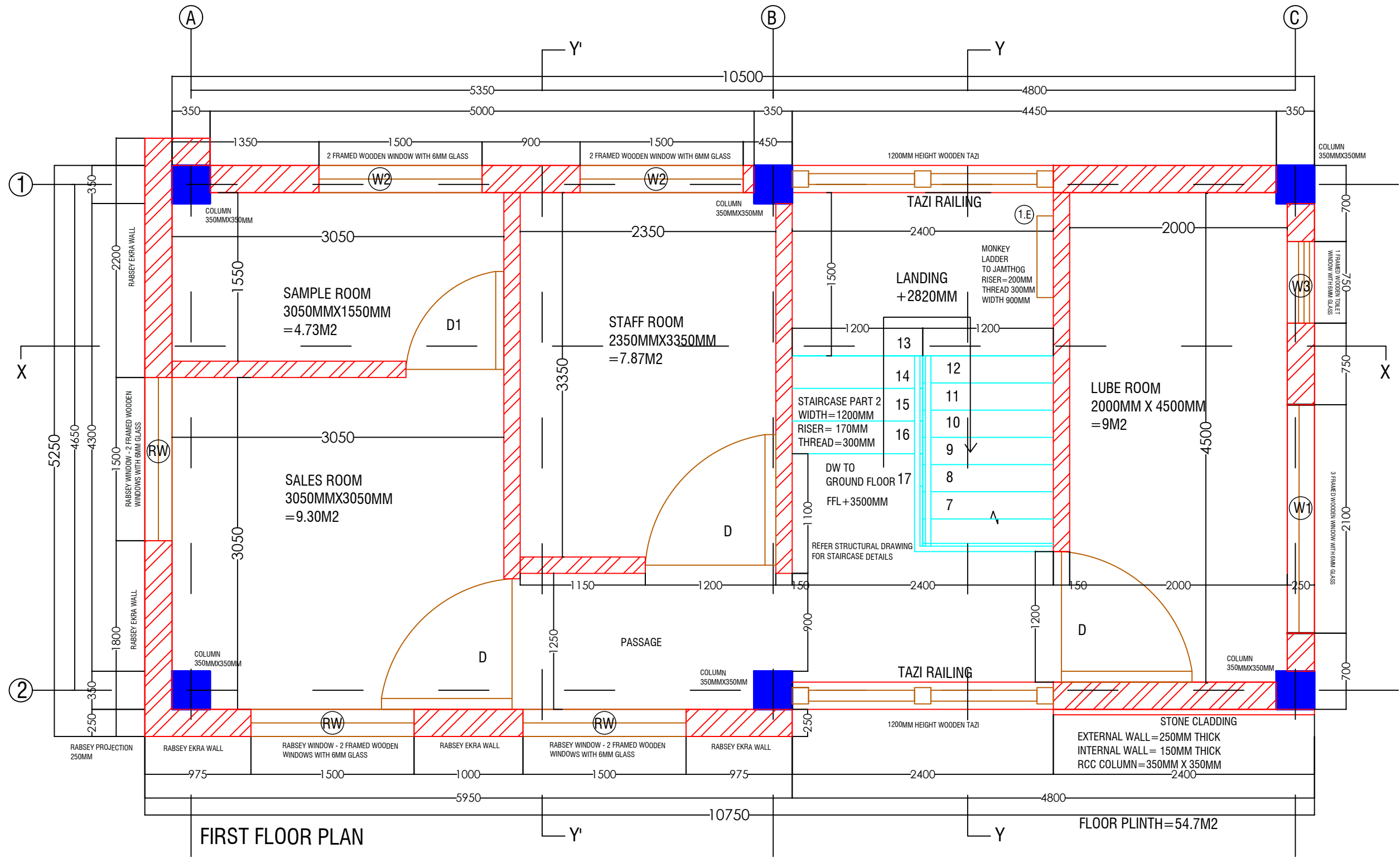
DRAWING SHEET NO : ST/01

REVISION SUFFIX	NORTH
□ □ □ □ □	

GENERAL NOTE:

- ALL DIMENSIONS ARE IN METERS (FEET) 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.

PROJECT:
TITLE: FUEL RETAIL OUTLET
LOCATION: CHHUME BUMTHANG
OWNER: STCBL
PLOT ID: LCHU-6
CERTIFICATE NO: BUM-74-6
FLOORS: G+1 STRUCTURE



FIRST FLOOR PLAN

OWNER SIGNATURE

DESIGNED BY:
SUGAN PRADHAN
 (GENERAL MANAGER, PETROLEUM DIVISION)
 CIVIL ENGINEER
 STCBL, THIMPHU
DRAWING TITLE: FIRST FLOOR PLAN

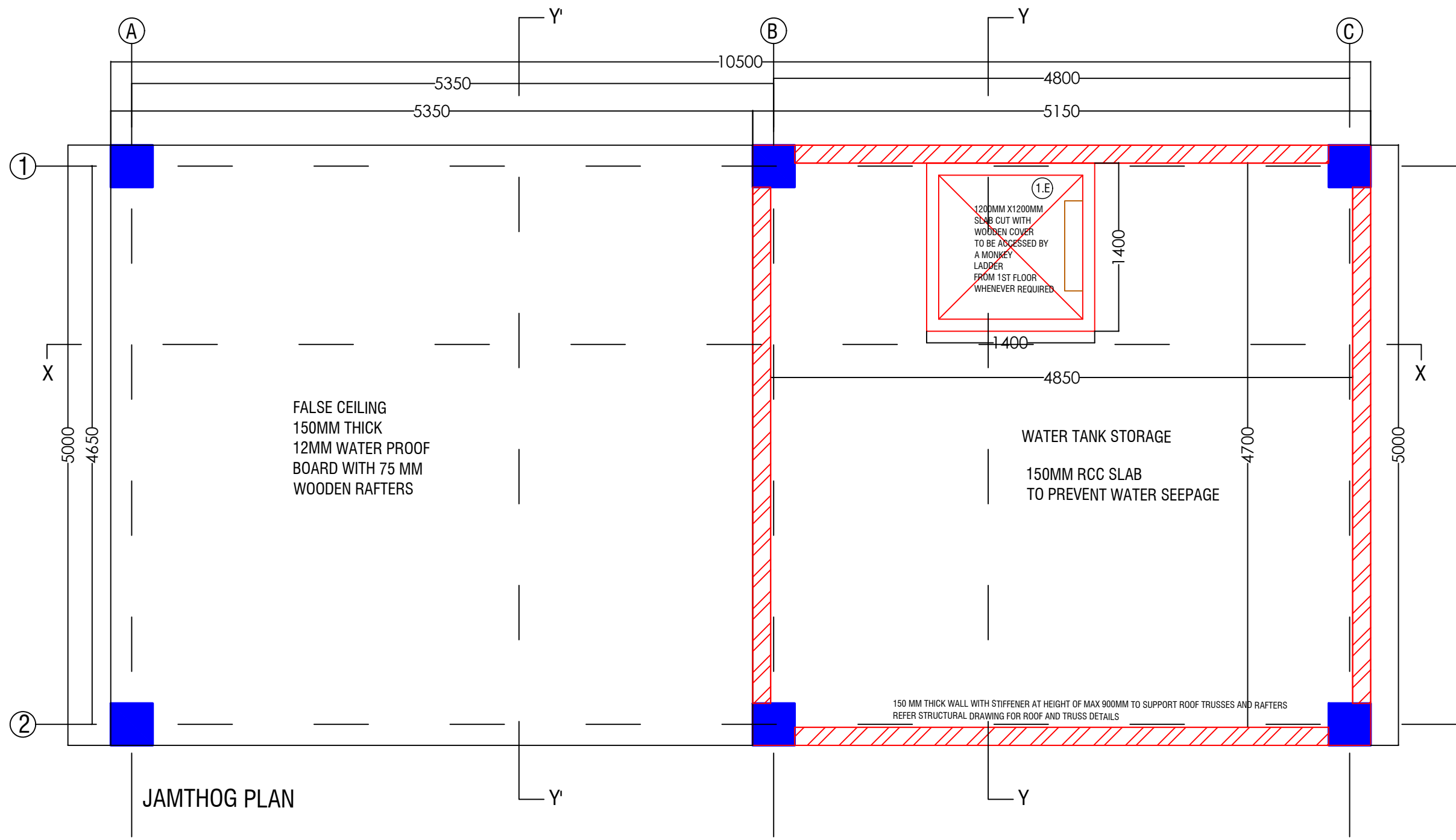
STRUCTURAL DRAWING

DATE: APRIL 2021
SCALE: NTS
DRAWING SHEET NO : ST/02

REVISION SUFFIX	NORTH
□ □ □ □ □	

- GENERAL NOTE:**
- ALL DIMENSIONS ARE IN METERS (FEET) 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.

PROJECT:
TITLE: FUEL RETAIL OUTLET
LOCATION: CHHUME BUMTHANG
OWNER: STCBL
PLOT ID: LCHU-6
CERTIFICATE NO: BUM-74-6
FLOORS: G+1 STRUCTURE



OWNER SIGNATURE

DESIGNED BY:
SUGAN PRADHAN
 (GENERAL MANAGER, PETROLEUM DIVISION)
 CIVIL ENGINEER
 STCBL, THIMPHU
DRAWING TITLE: ROOF PLAN
STRUCTURAL DRAWING

DATE: APRIL 2021
SCALE: NTS
DRAWING SHEET NO : ST/03

REVISION SUFFIX	NORTH
□ □ □ □ □	

GENERAL NOTE:

- ALL DIMENSIONS ARE IN METERS (FEETS) 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.

PROJECT:
 TITLE: FUEL RETAIL OUTLET
 LOCATION: CHHUME BUMTHANG
 OWNER: STCBL
 PLOT ID: LCHU-6
 CERTIFICATE NO: BUM-74-6
 FLOORS: G+1 STRUCTURE



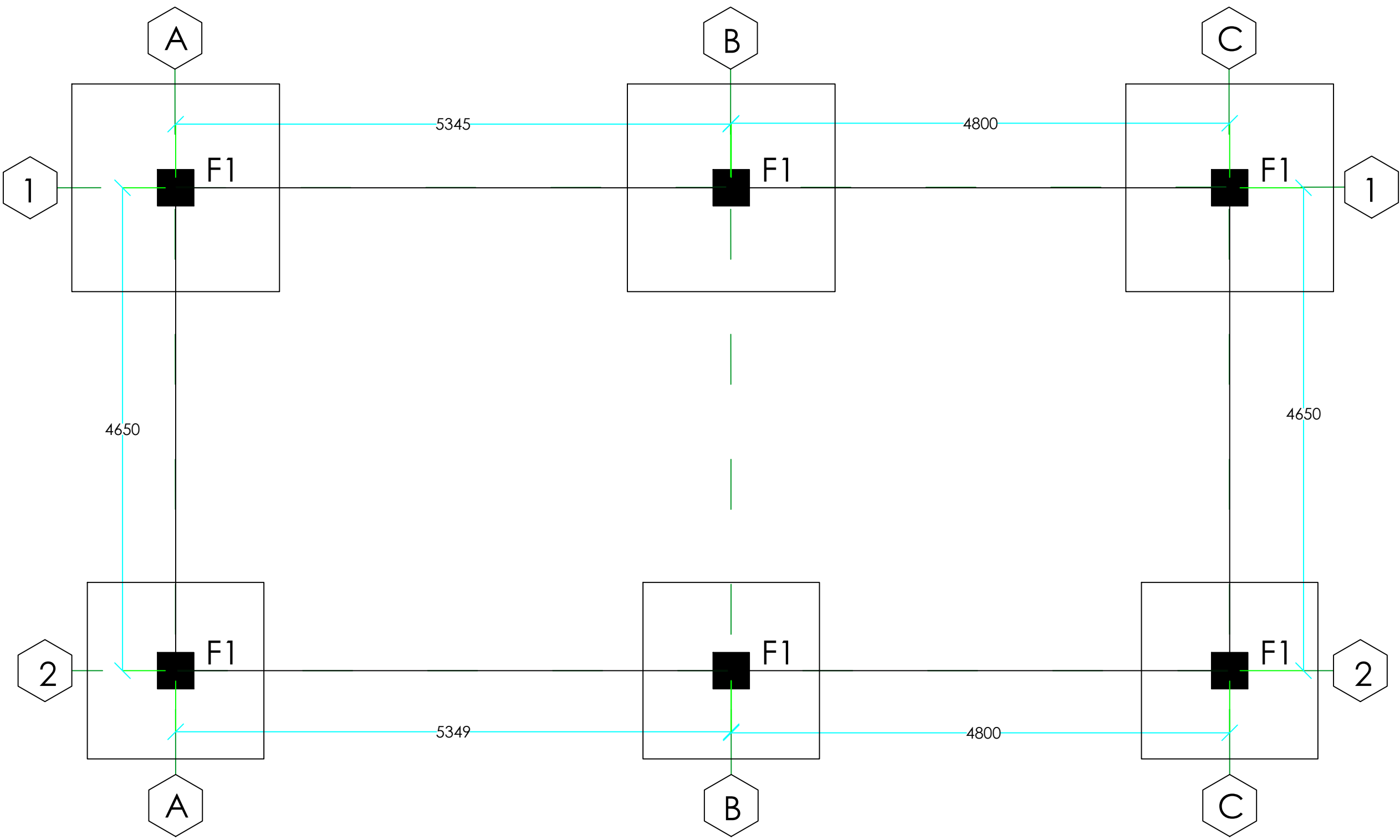
OWNER SIGNATURE

DESIGNED BY:
 SUGAN PRADHAN
 (GENERAL MANAGER, PETROLEUM
 DIVISION)
 CIVIL ENGINEER
 STCBL, THIMPHU
 DRAWING TITLE: FOOTING LAYOUT
 STRUCTURAL DRAWING

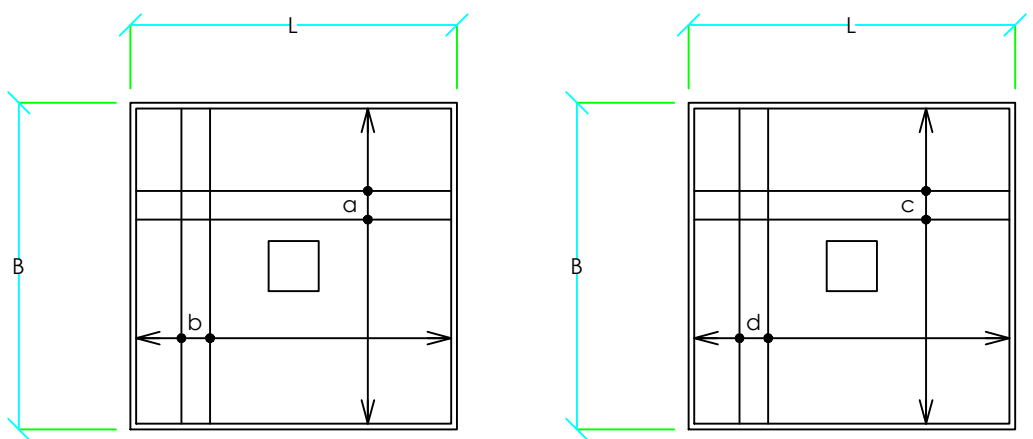
DATE: APRIL 2021
 SCALE: NTS
 DRAWING
 SHEET NO : ST/04

REVISION SUFFIX	NORTH
□ □ □ □ □	

GENERAL NOTE:
 • ALL DIMENSIONS ARE IN METERS (FEETS) 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.



PROJECT:
TITLE: FUEL RETAIL OUTLET
LOCATION: CHHUME BUMTHANG
OWNER: STCBL
PLOT ID: LCHU-6
CERTIFICATE NO: BUM-74-6
FLOORS: G+1 STRUCTURE

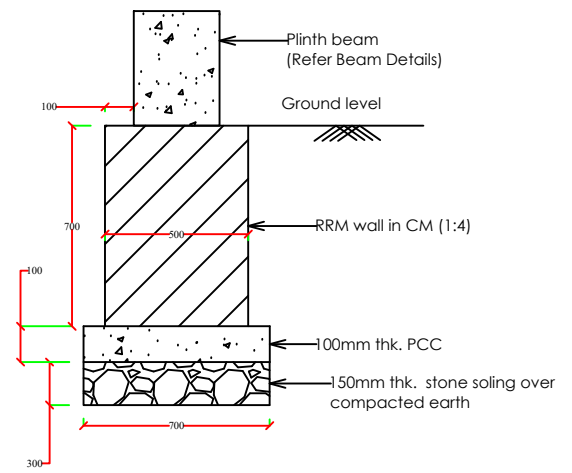
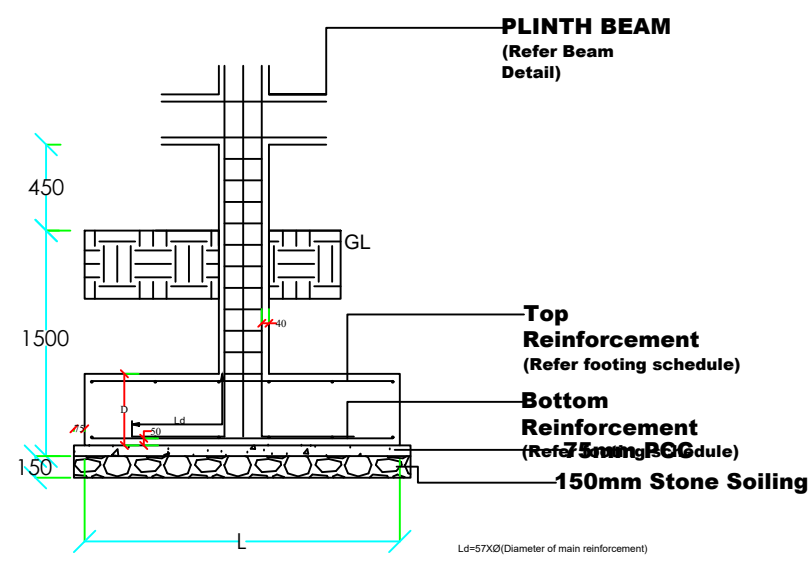


BOTTOM REINFORCEMENT

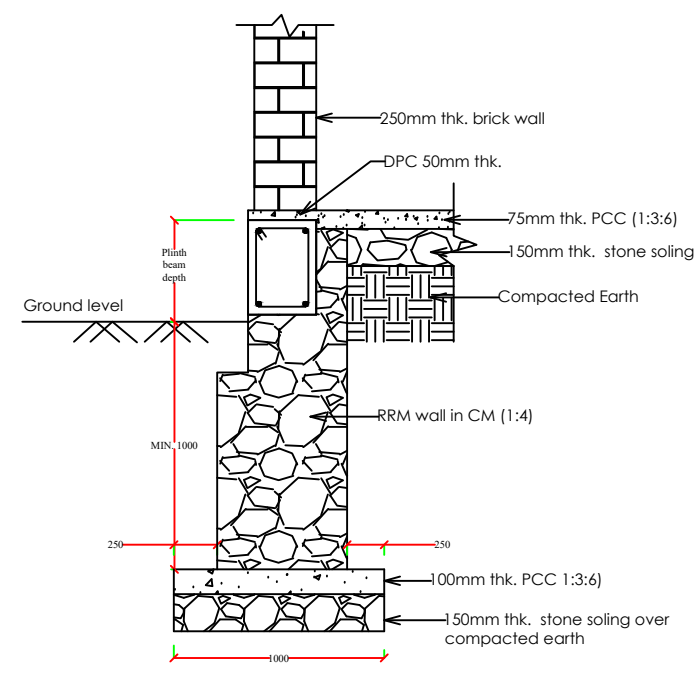
TOP REINFORCEMENT

FOOTING SCHEDULE

FOOTING MARK	FOOTING SIZE AND DEPTH			REINFORCEMENT			
	LENGTH	WIDTH	DEPTH	a	b	c	d
F1	2000	2000	500	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)

OWNER SIGNATURE

DESIGNED BY:
SUGAN PRADHAN
 (GENERAL MANAGER, PETROLEUM DIVISION)
 CIVIL ENGINEER
 STCBL, THIMPHU

DRAWING TITLE: FOOTING DETAILS

STRUCTURAL DRAWING

DATE: APRIL 2021

SCALE: NTS

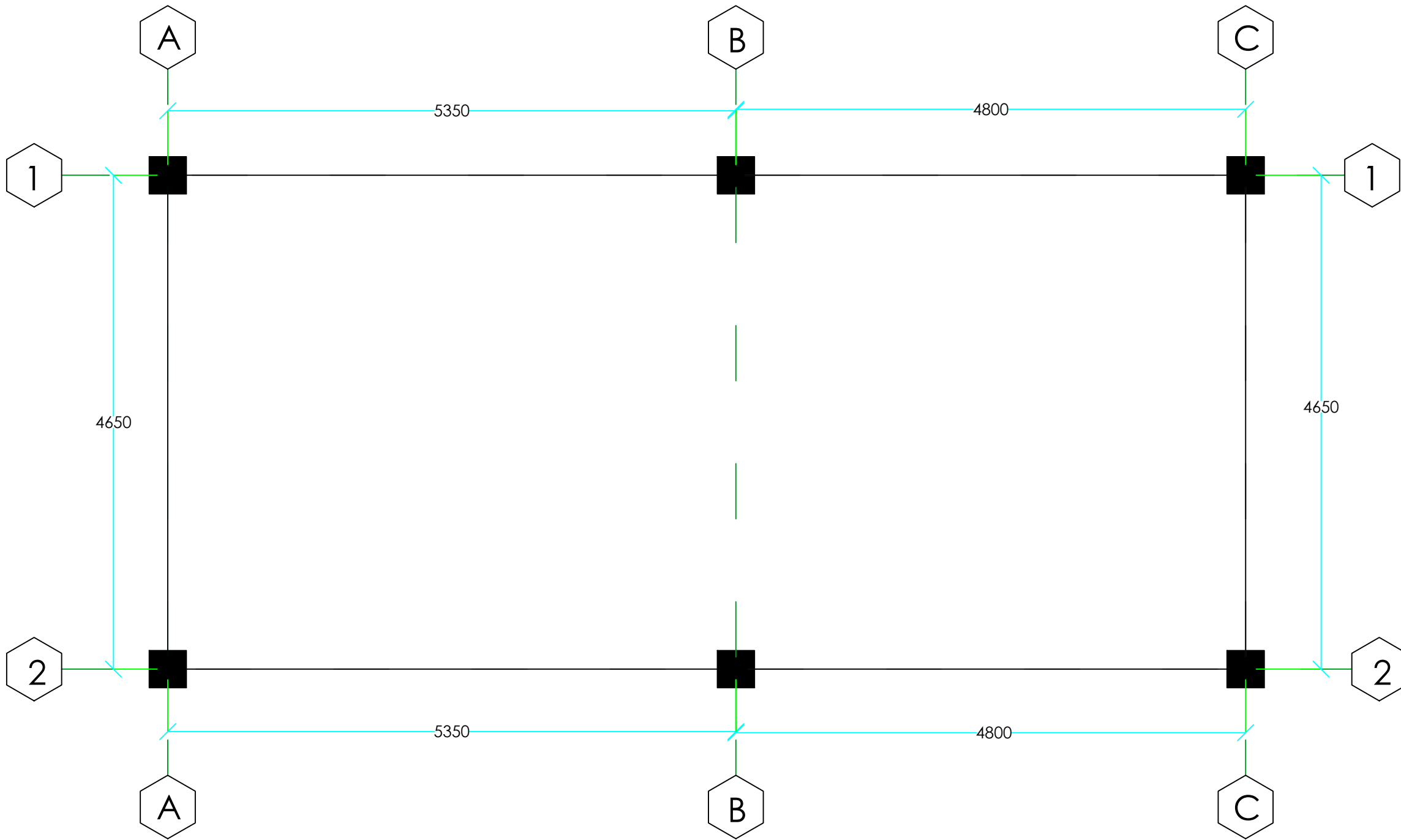
DRAWING SHEET NO : ST/05

REVISION SUFFIX	NORTH
□ □ □ □ □	

GENERAL NOTE:

- ALL DIMENSIONS ARE IN METERS (FEET) 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.

PROJECT:
TITLE: FUEL RETAIL OUTLET
LOCATION: CHHUME BUMTHANG
OWNER: STCBL
PLOT ID: LCHU-6
CERTIFICATE NO: BUM-74-6
FLOORS: G+1 STRUCTURE



OWNER SIGNATURE

DESIGNED BY:
SUGAN PRADHAN
 (GENERAL MANAGER, PETROLEUM DIVISION)
 CIVIL ENGINEER
 STCBL, THIMPHU
DRAWING TITLE: COLUMN LAYOUT

STRUCTURAL DRAWING

DATE: APRIL 2021

SCALE: NTS

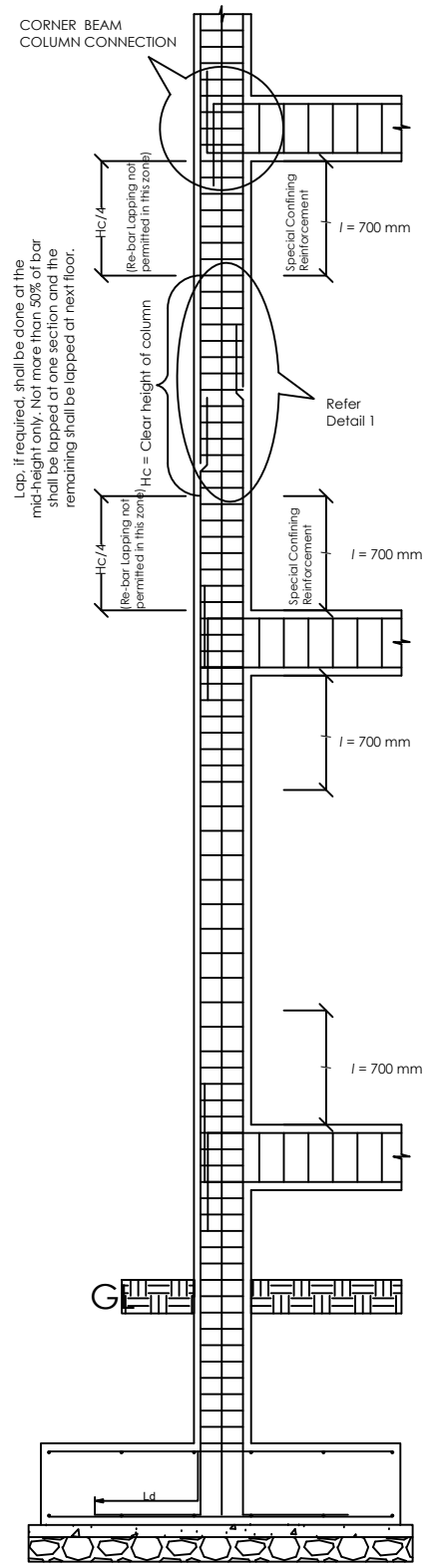
DRAWING SHEET NO : ST/06

REVISION SUFFIX	NORTH
□ □ □ □ □	

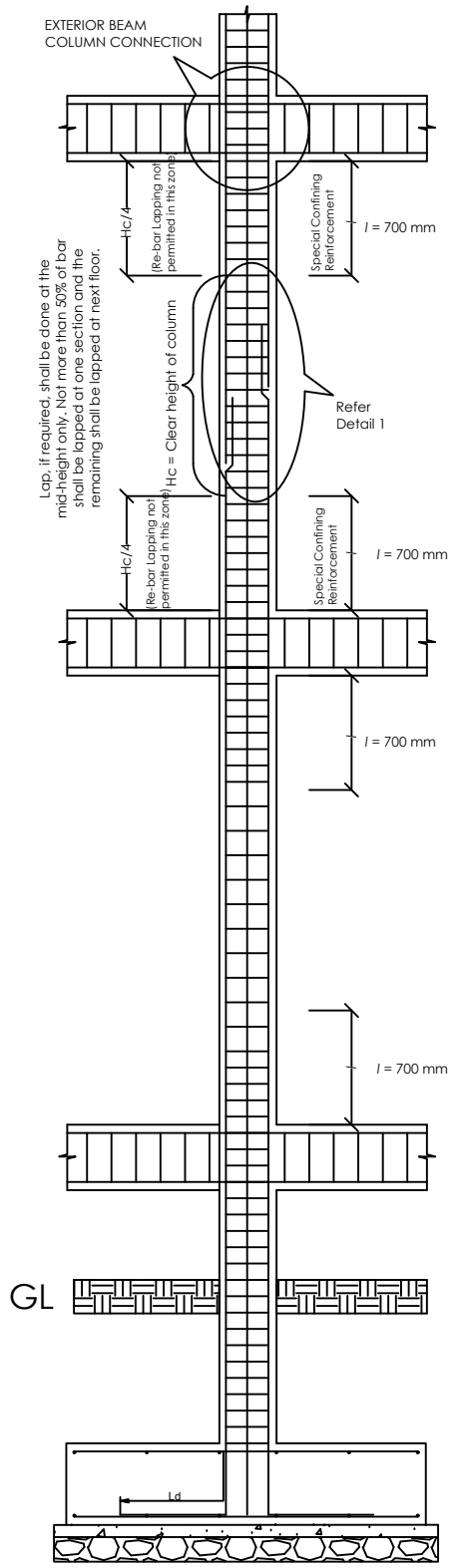
GENERAL NOTE:

- ALL DIMENSIONS ARE IN METERS (FEETS) 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.

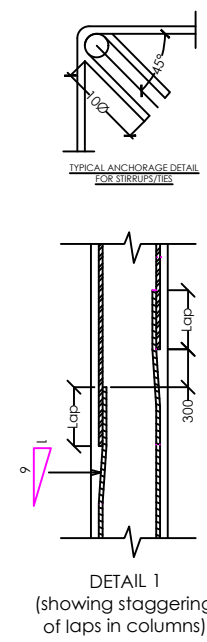
PROJECT:
TITLE: FUEL RETAIL OUTLET
LOCATION: CHHUME BUMTHANG
OWNER: STCBL
PLOT ID: LCHU-6
CERTIFICATE NO: BUM-74-6
FLOORS: G+1 STRUCTURE



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



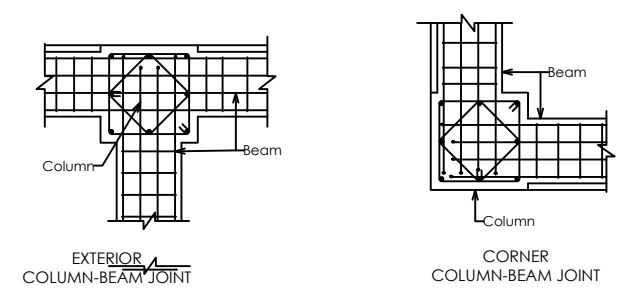
TYPICAL SECTION INTERIOR (showing typical arrangement of rebar and ties in columns)



DETAIL 1 (showing staggering of laps in columns)

COLUMN DETAILS

Column Mark	Column Mark (mm)	SHEAR REINFORCEMENT	
		SHAPE	SPACING
C2	350 x 350	 • 8-20Ø	Within height l ST1=8Ø @ 100 c/c Remaining Height ST2=8Ø @ 150 c/c



TYPICAL COLUMN-BEAM JOINT DETAILS

OWNER SIGNATURE

DESIGNED BY:
SUGAN PRADHAN
 (GENERAL MANAGER, PETROLEUM DIVISION)
 CIVIL ENGINEER
 STCBL, THIMPHU

DRAWING TITLE: COLUMN DETAILS
STRUCTURAL DRAWING

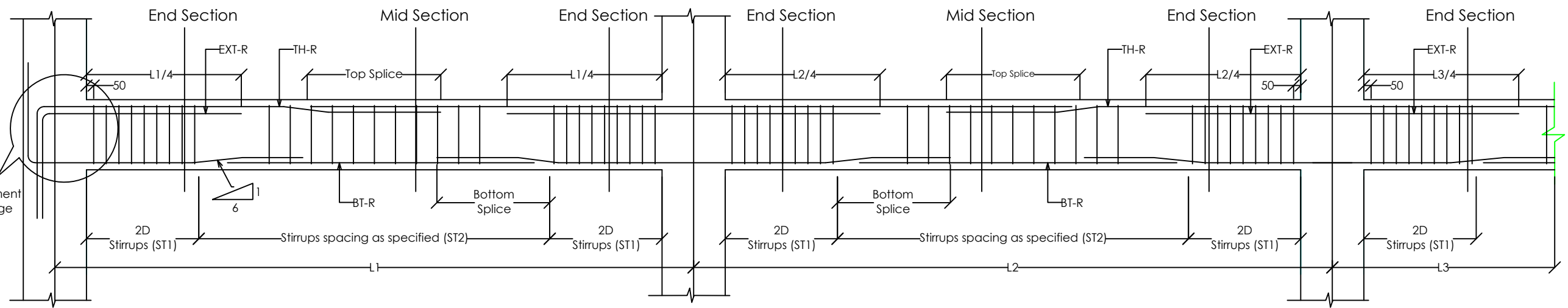
DATE: APRIL 2021
SCALE: NTS
DRAWING SHEET NO : ST/07

REVISION SUFFIX	NORTH
□ □ □ □ □	

GENERAL NOTE:

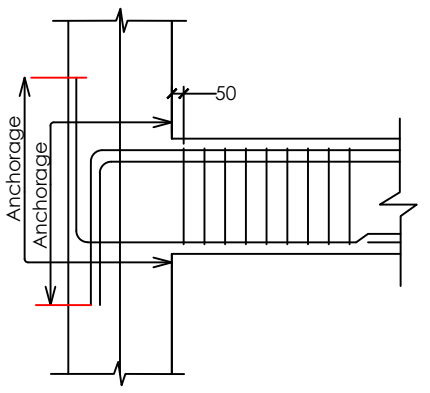
- ALL DIMENSIONS ARE IN METERS (FEET) UNLESS SPECIFIED OTHERWISE.
- ALL DIMENSIONS MEASURE UNFINISHED SURFACES UNLESS SPECIFIED OTHERWISE.
- ALL DIMENSIONS ARE TO BE READ AND NOT SCALE OFF.
- ANY DISCREPANCY IN DRAWING IS TO BE BROUGHT TO THE IMMEDIATE NOTICE OF THE ARCHITECT AND THE ENGINEER.

PROJECT:
TITLE: FUEL RETAIL OUTLET
LOCATION: CHHUME BUMTHANG
OWNER: STCBL
PLOT ID: LCHU-6
CERTIFICATE NO: BUM-74-6
FLOORS: G+1 STRUCTURE



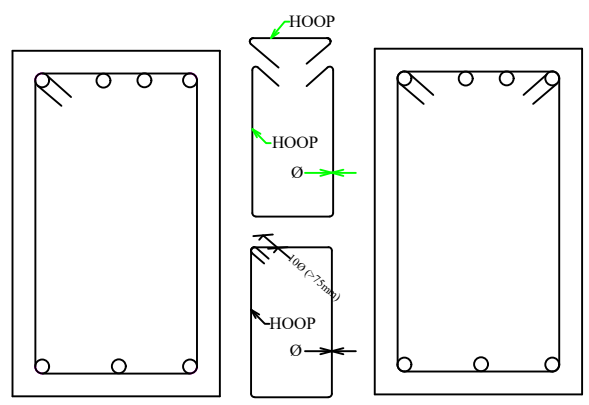
LEGEND:
 EXT-R.....Extra re-bars
 TH-R.....Through re-bars
 BT-R.....Bottom re-bars

TYPICAL ARRANGEMENT OF RE-BARS AND SPLICE DETAILS IN BEAMS



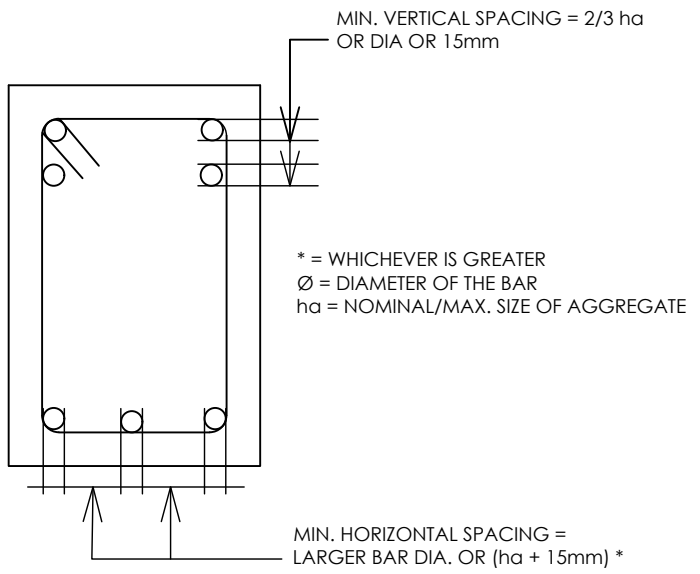
Reinforcement Anchorage Details

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 rebar 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

OWNER SIGNATURE

DESIGNED BY:

SUGAN PRADHAN
 (GENERAL MANAGER, PETROLEUM DIVISION)
 CIVIL ENGINEER
 STCBL, THIMPHU

DRAWING TITLE: TYPICAL BEAM DETAIL

STRUCTURAL DRAWING

DATE: APRIL 2021

SCALE: NTS

DRAWING

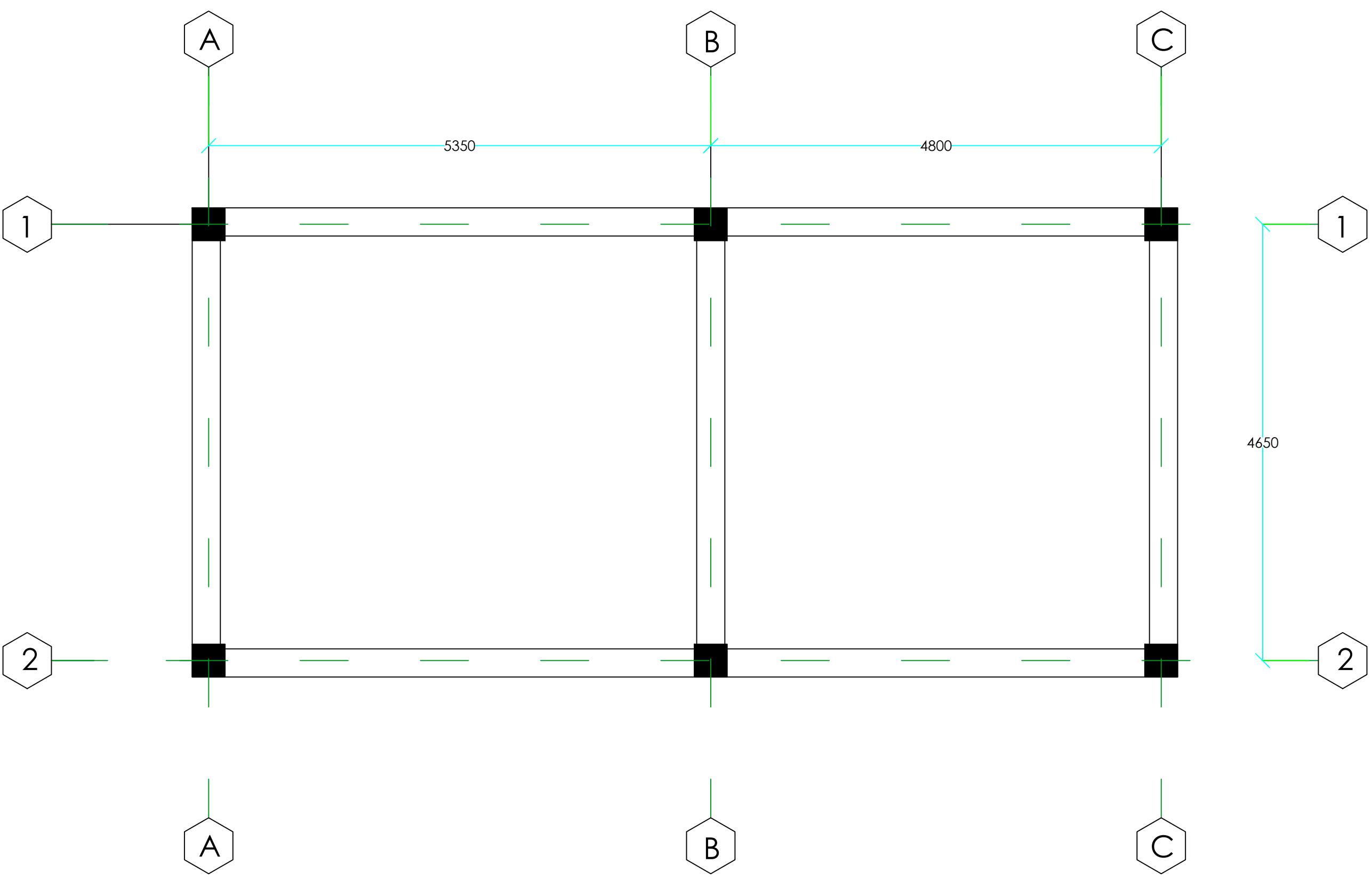
SHEET NO : ST/08

REVISION SUFFIX	NORTH
□ □ □ □ □	

GENERAL NOTE:

- ALL DIMENSIONS ARE IN METERS (FEET) 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.

PROJECT:
 TITLE: FUEL RETAIL OUTLET
 LOCATION: CHHUME BUMTHANG
 OWNER: STCBL
 PLOT ID: LCHU-6
 CERTIFICATE NO: BUM-74-6
 FLOORS: G+1 STRUCTURE



PLINTH BEAM DETAILS

OWNER SIGNATURE

DESIGNED BY:
 SUGAN PRADHAN
 (GENERAL MANAGER, PETROLEUM
 DIVISION)
 CIVIL ENGINEER
 STCBL, THIMPHU
 DRAWING TITLE: PLINTH BEAM

STRUCTURAL DRAWING

DATE: APRIL 2021

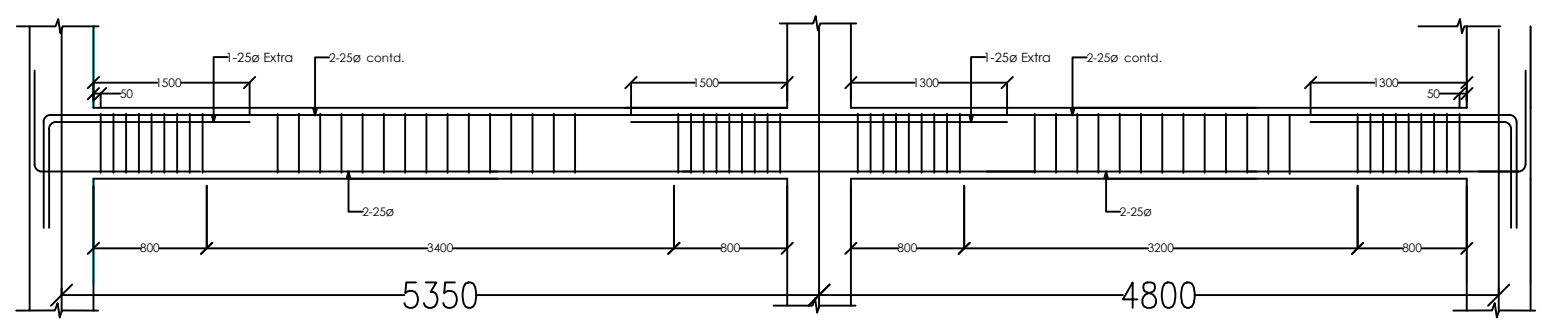
SCALE: NTS

DRAWING
 SHEET NO : ST/09

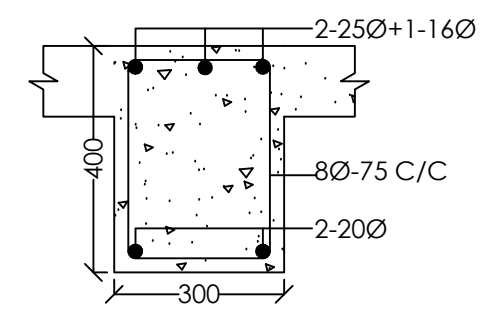
REVISION SUFFIX	NORTH
□ □ □ □ □	

- GENERAL NOTE:**
- ALL DIMENSIONS ARE IN METERS (FEET) 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.

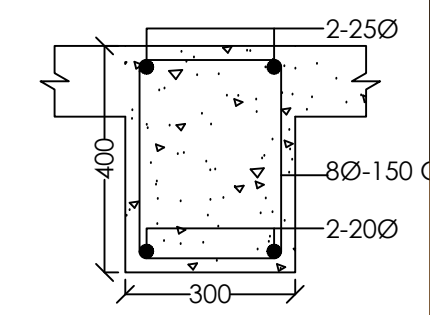
PROJECT:
TITLE: FUEL RETAIL OUTLET
LOCATION: CHHUME BUMTHANG
OWNER: STCBL
PLOT ID: LCHU-6
CERTIFICATE NO: BUM-74-6
FLOORS: G+1 STRUCTURE



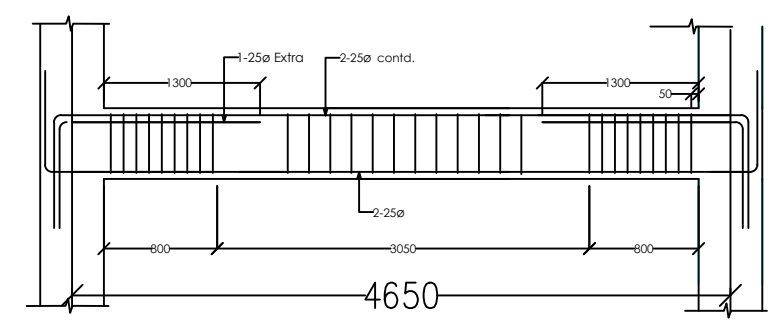
ALONG GRID 1 & 3



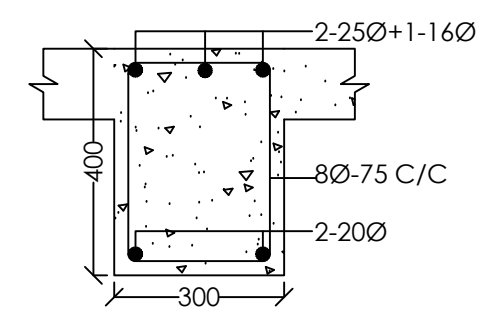
AT END



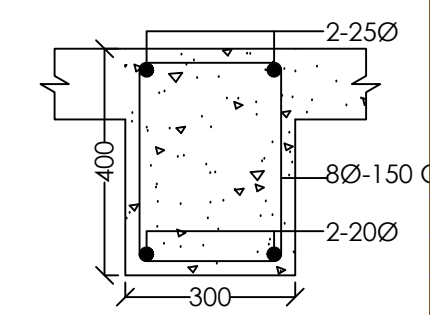
AT MID SPAN



ALONG GRID A, B & D



AT END



AT MID SPAN

OWNER SIGNATURE

DESIGNED BY:
SUGAN PRADHAN
 (GENERAL MANAGER, PETROLEUM DIVISION)
 CIVIL ENGINEER
 STCBL, THIMPHU

DRAWING TITLE: PLINTH BEAM DETAILS

STRUCTURAL DRAWING

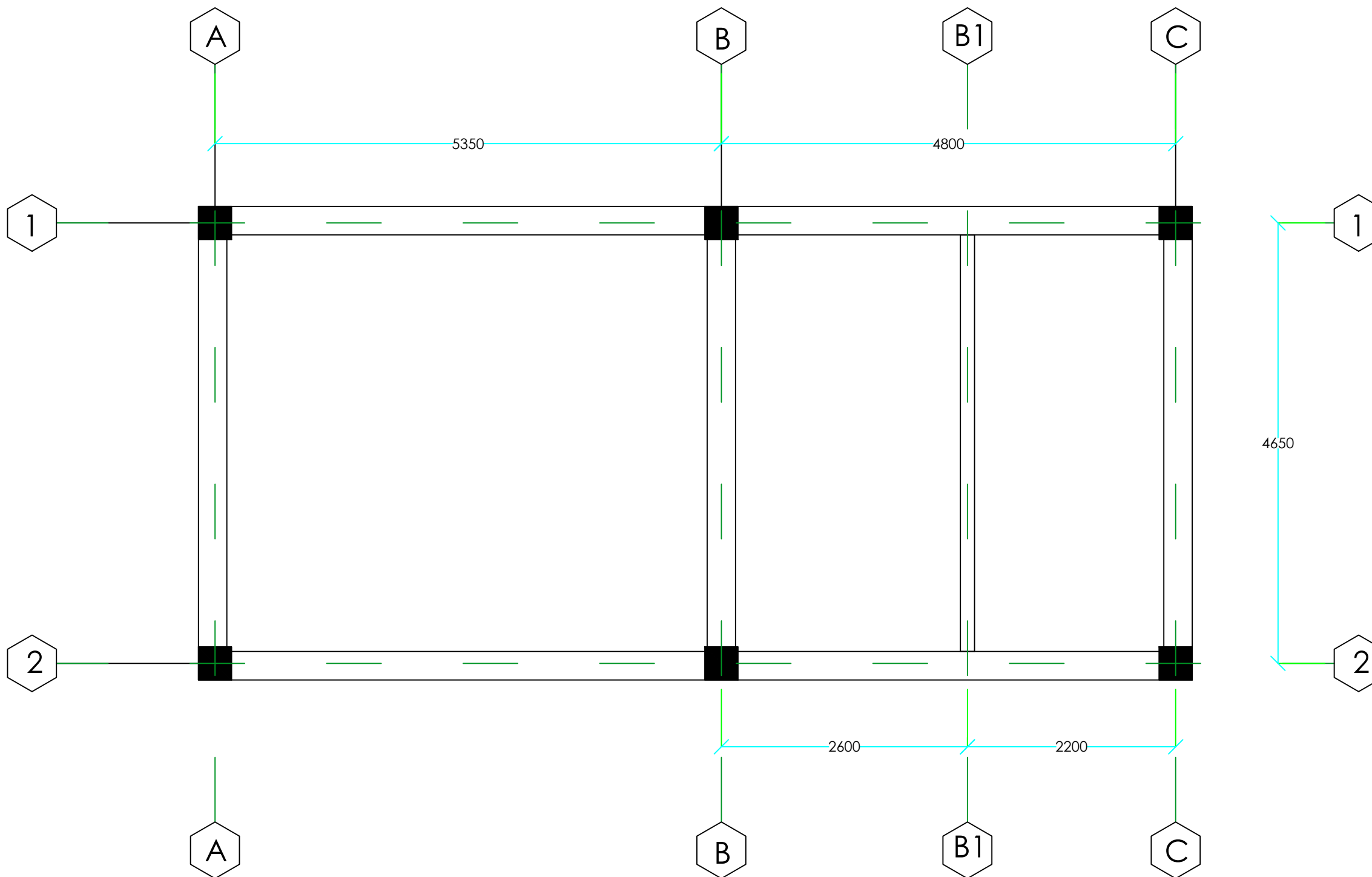
DATE: APRIL 2021

SCALE: NTS

DRAWING SHEET NO : ST/10

REVISION SUFFIX	NORTH
□ □ □ □ □	

- GENERAL NOTE:**
- ALL DIMENSIONS ARE IN METERS (FEETS) 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.



FIRST FLOOR BEAM DETAILS

PROJECT:	
TITLE:	FUEL RETAIL OUTLET
LOCATION:	CHHUME BUMTHANG
OWNER:	STCBL
PLOT ID:	LCHU-6
CERTIFICATE NO:	BUM-74-6
FLOORS:	G+1 STRUCTURE



OWNER SIGNATURE

DESIGNED BY:
SUGAN PRADHAN
 (GENERAL MANAGER, PETROLEUM DIVISION)
 CIVIL ENGINEER
 STCBL, THIMPHU

DRAWING TITLE: FIRST FLOOR BEAM
STRUCTURAL DRAWING

DATE: APRIL 2021

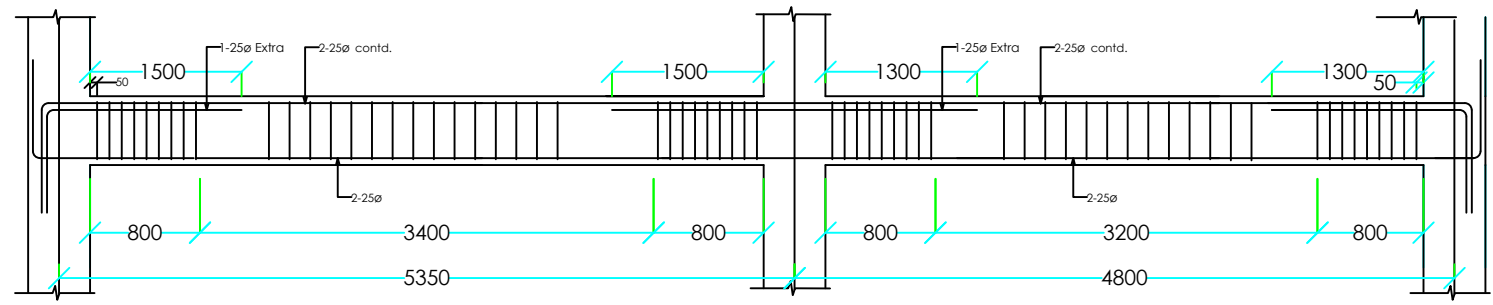
SCALE: NTS

DRAWING
SHEET NO : ST/11

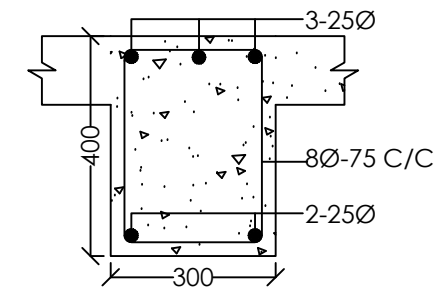
REVISION SUFFIX	NORTH
□ □ □ □ □	

- GENERAL NOTE:**
- ALL DIMENSIONS ARE IN METERS (FEET) 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.

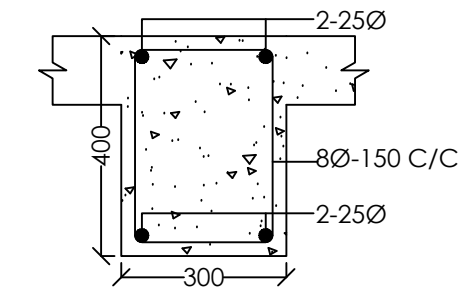
PROJECT:
TITLE: FUEL RETAIL OUTLET
LOCATION: CHHUME BUMTHANG
OWNER: STCBL
PLOT ID: LCHU-6
CERTIFICATE NO: BUM-74-6
FLOORS: G+1 STRUCTURE



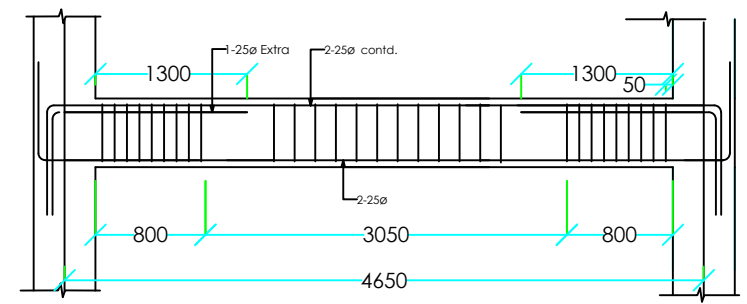
ALONG GRID 1 & 3



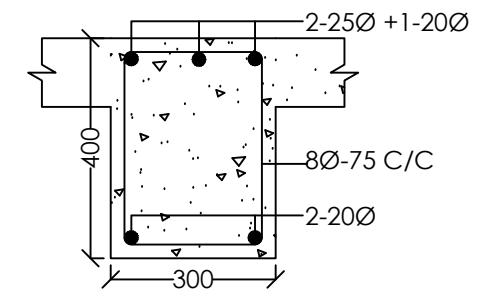
AT END



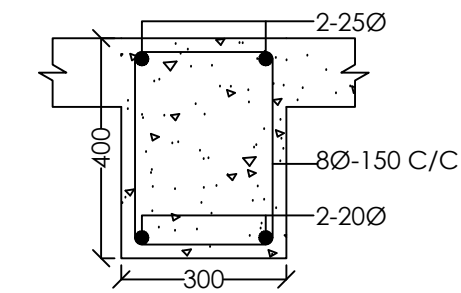
AT MID SPAN



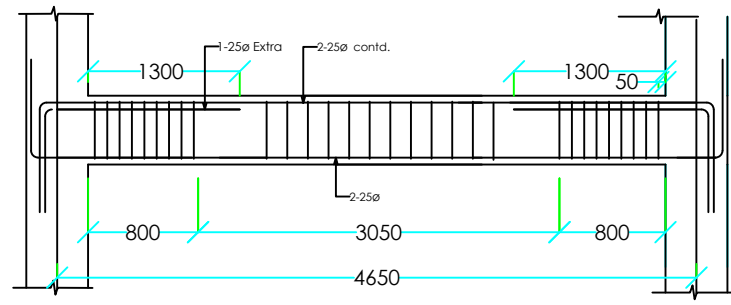
ALONG GRID A, B & D



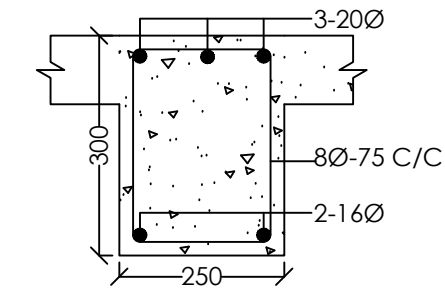
AT END



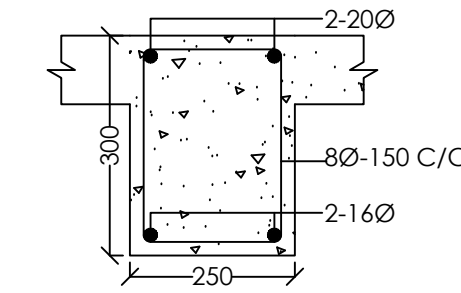
AT MID SPAN



ALONG GRID C (SECONDARY BEAM)



AT END



AT MID SPAN

OWNER SIGNATURE

DESIGNED BY:
SUGAN PRADHAN
 (GENERAL MANAGER, PETROLEUM DIVISION)
 CIVIL ENGINEER
 STCBL, THIMPHU
DRAWING TITLE: FIRST FLOOR BEAM

STRUCTURAL DRAWING

DATE: APRIL 2021

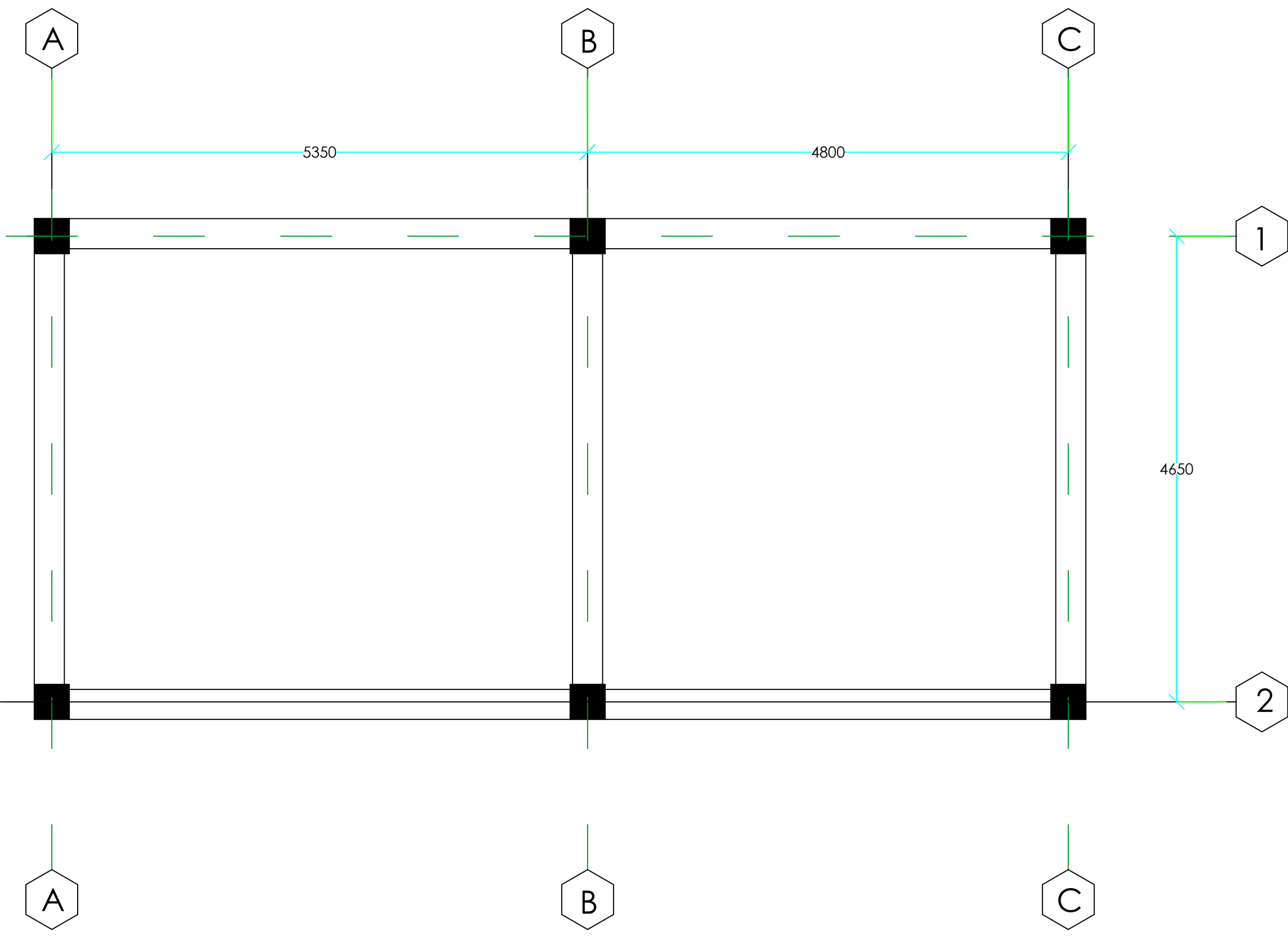
SCALE: NTS

DRAWING SHEET NO : ST/12

REVISION SUFFIX	NORTH
□ □ □ □ □	

- GENERAL NOTE:**
- ALL DIMENSIONS ARE IN METERS (FEET) 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.

PROJECT:
 TITLE: FUEL RETAIL OUTLET
 LOCATION: CHHUME BUMTHANG
 OWNER: STCBL
 PLOT ID: LCHU-6
 CERTIFICATE NO: BUM-74-6
 FLOORS: G+1 STRUCTURE



ROOF BEAM DETAIL

OWNER SIGNATURE

DESIGNED BY:
 SUGAN PRADHAN
 (GENERAL MANAGER, PETROLEUM
 DIVISION)
 CIVIL ENGINEER
 STCBL, THIMPHU
 DRAWING TITLE: ROOF BEAM

STRUCTURAL DRAWING

DATE: APRIL 2021

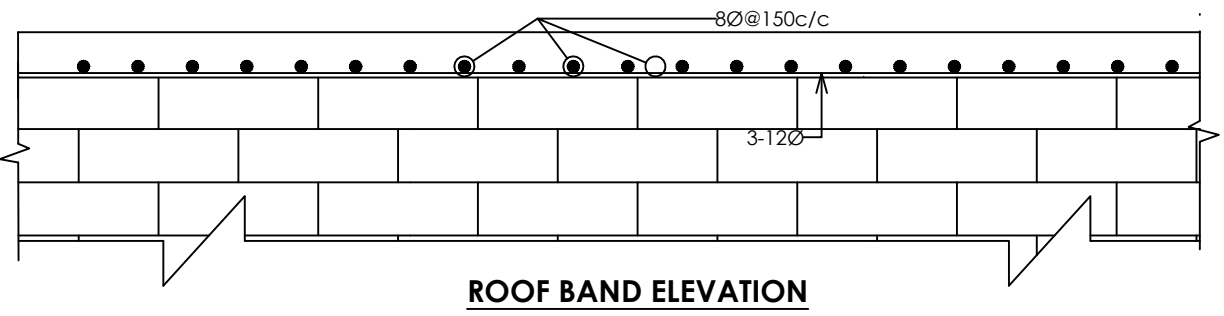
SCALE: NTS

DRAWING
 SHEET NO : ST/13

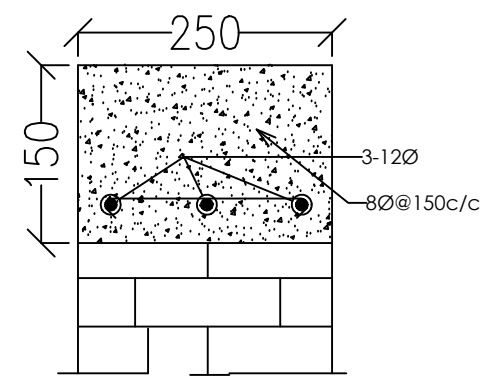
REVISION SUFFIX	NORTH
□ □ □ □ □	

- GENERAL NOTE:**
- ALL DIMENSIONS ARE IN METERS (FEET) 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.

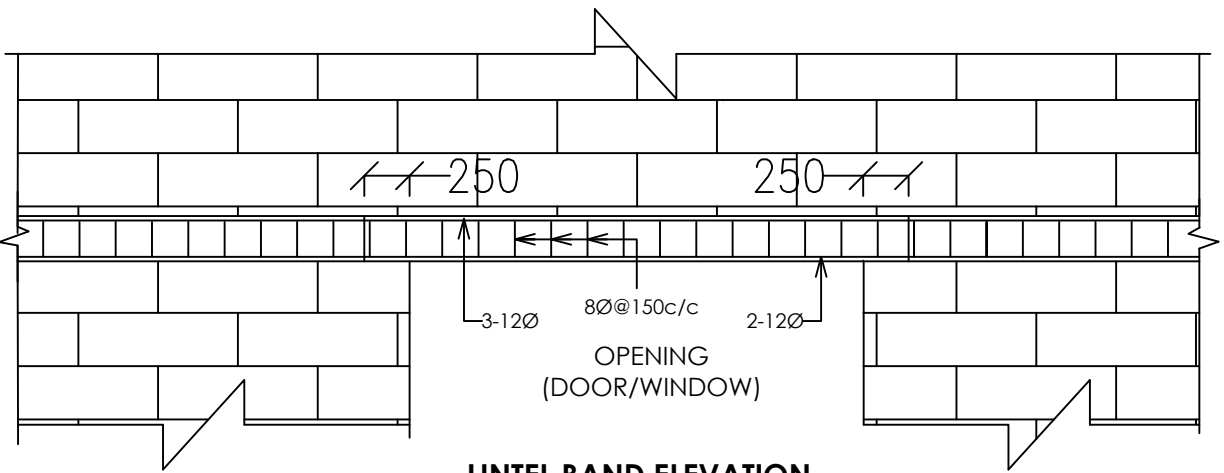
PROJECT:
TITLE: FUEL RETAIL OUTLET
LOCATION: CHHUME BUMTHANG
OWNER: STCBL
PLOT ID: LCHU-6
CERTIFICATE NO: BUM-74-6
FLOORS: G+1 STRUCTURE



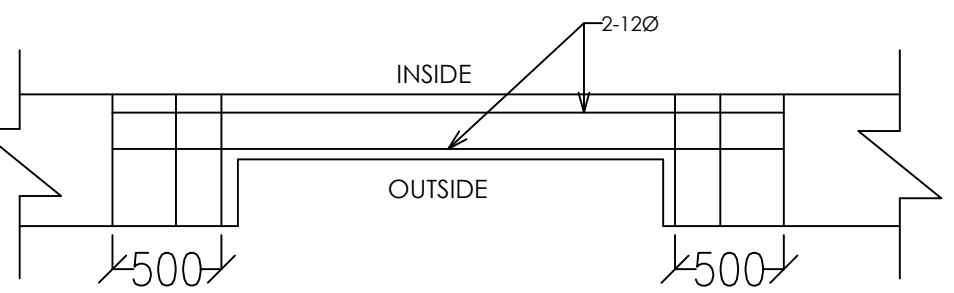
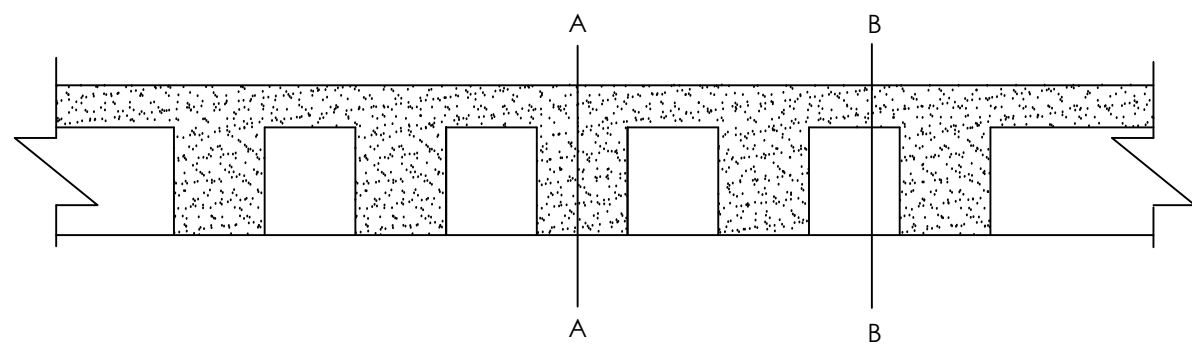
ROOF BAND ELEVATION



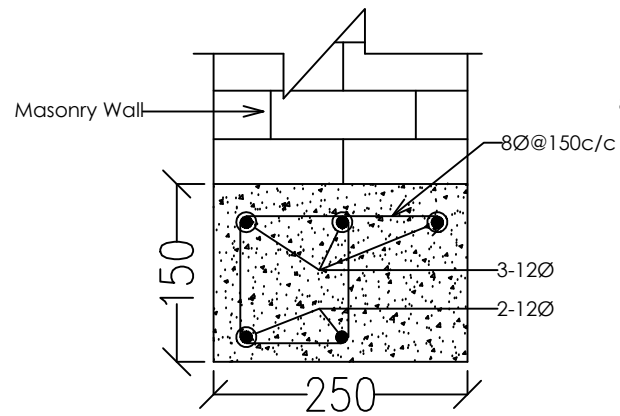
ROOF BAND



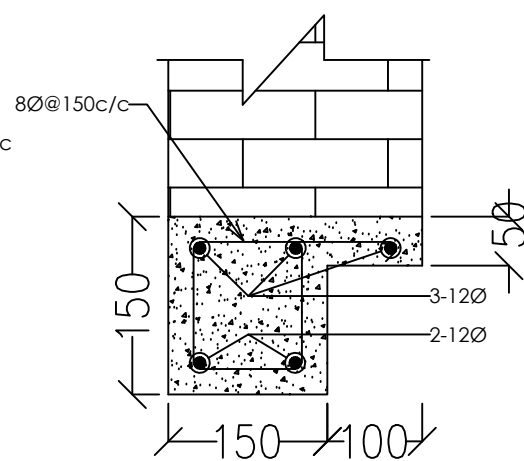
LINTEL BAND ELEVATION



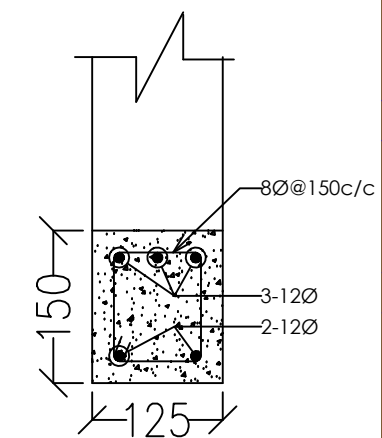
BOTTOM REINFORCEMENT PLAN



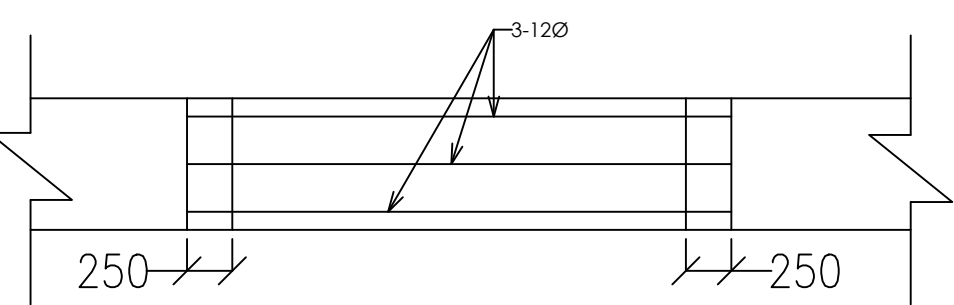
EXTERNAL SECTION A-A



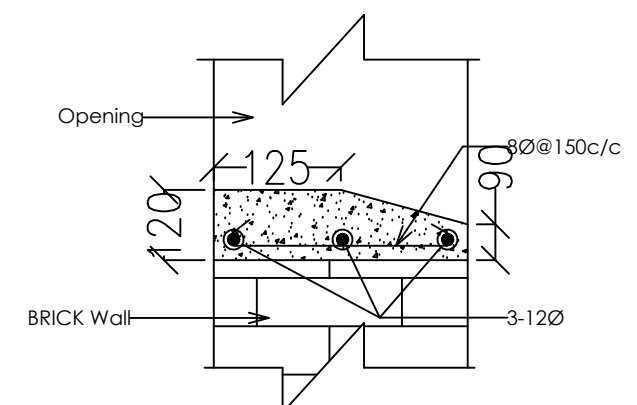
EXTERNAL SECTION B-B



INTERNAL



TOP REINFORCEMENT PLAN



RCC SILL SECTION

TYPICAL REINFORCEMENT LAYOUT IN LINTEL BAND OVER OPENING

OWNER SIGNATURE

DESIGNED BY:
SUGAN PRADHAN
 (GENERAL MANAGER, PETROLEUM DIVISION)
 CIVIL ENGINEER
 STCBL, THIMPHU

DRAWING TITLE: LINTEL BEAM

STRUCTURAL DRAWING

DATE: APRIL 2021

SCALE: NTS

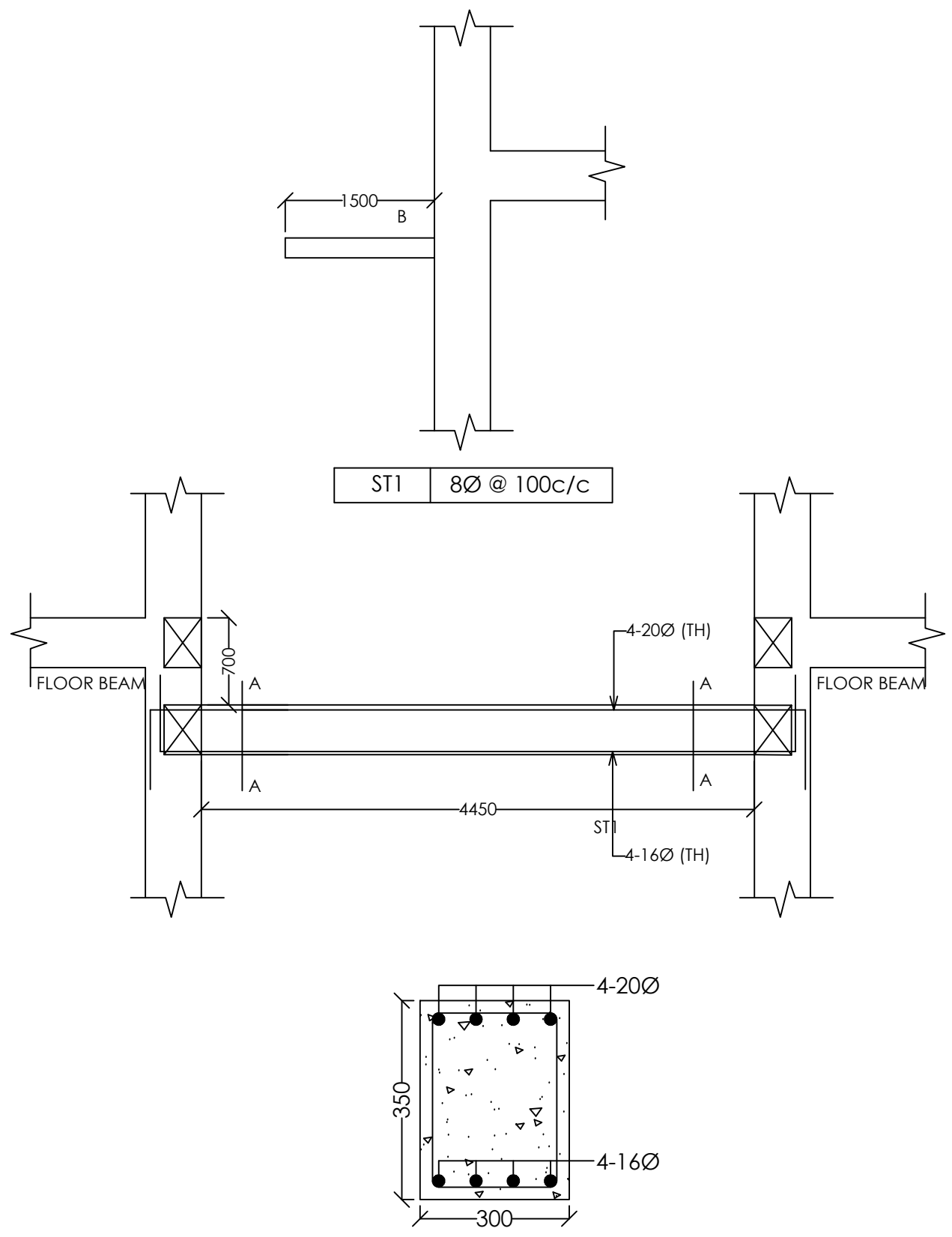
DRAWING SHEET NO : ST/15

REVISION SUFFIX	NORTH
□ □ □ □ □	

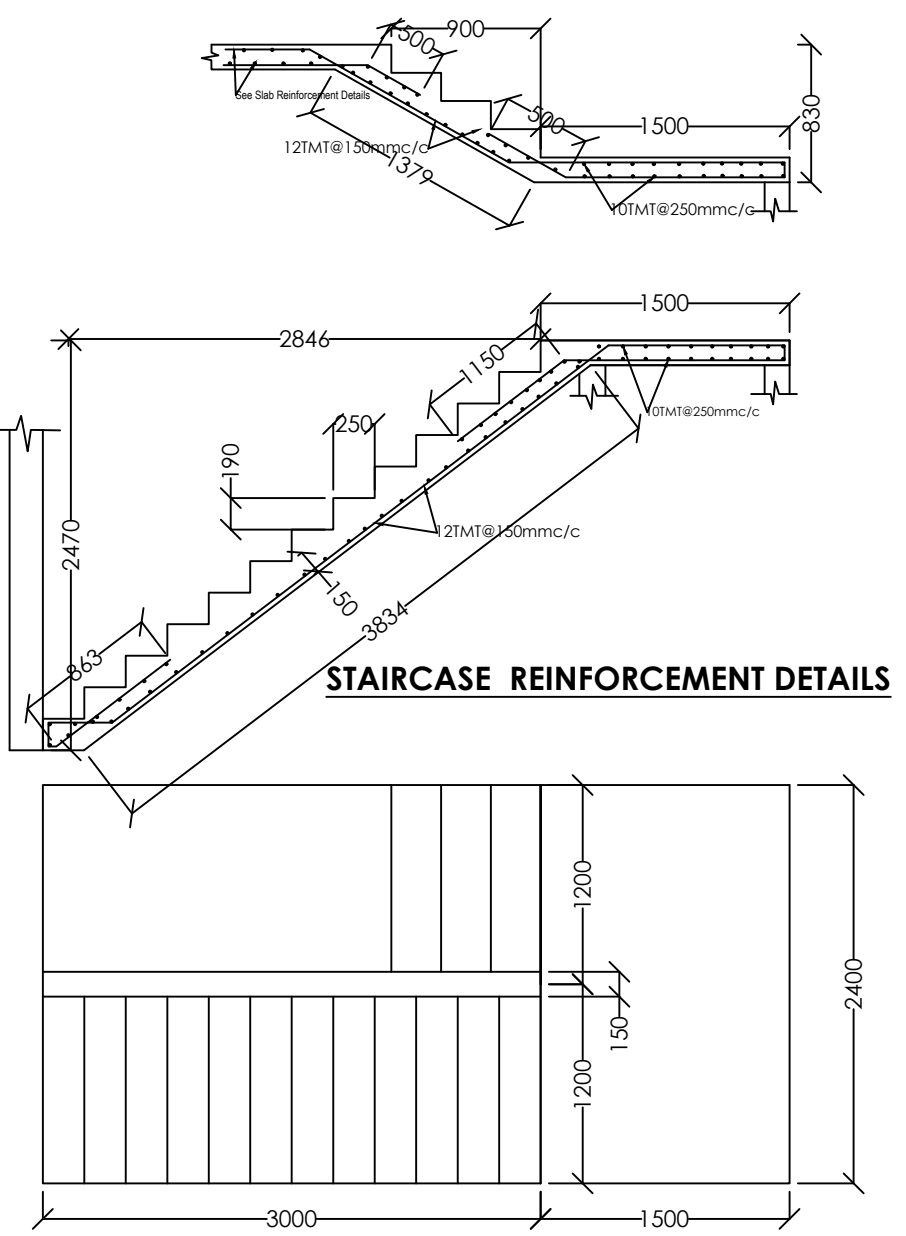
GENERAL NOTE:

- ALL DIMENSIONS ARE IN METERS (FEET) 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.

PROJECT:
TITLE: FUEL RETAIL OUTLET
LOCATION: CHHUME BUMTHANG
OWNER: STCBL
PLOT ID: LCHU-6
CERTIFICATE NO: BUM-74-6
FLOORS: G+1 STRUCTURE



SECTION A-A
STAIRCASE LANDING BEAM REINFORCEMENT DETAILS



STAIRCASE REINFORCEMENT DETAILS

OWNER SIGNATURE

DESIGNED BY:
SUGAN PRADHAN
 (GENERAL MANAGER, PETROLEUM DIVISION)
 CIVIL ENGINEER
 STCBL, THIMPHU

DRAWING TITLE: STAIRCASE DETAILS
STRUCTURAL DRAWING

DATE: APRIL 2021

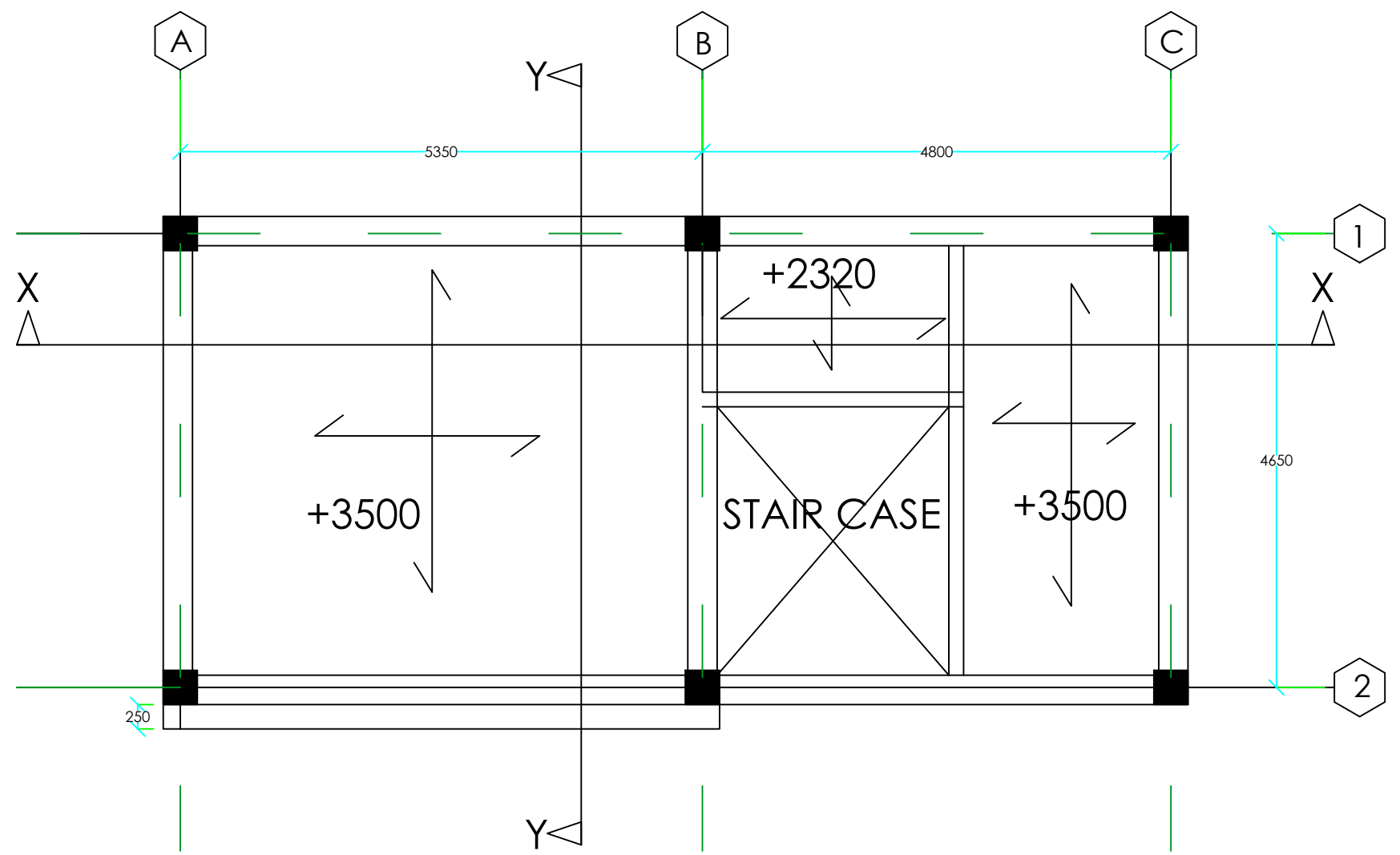
SCALE: NTS

DRAWING SHEET NO : ST/16

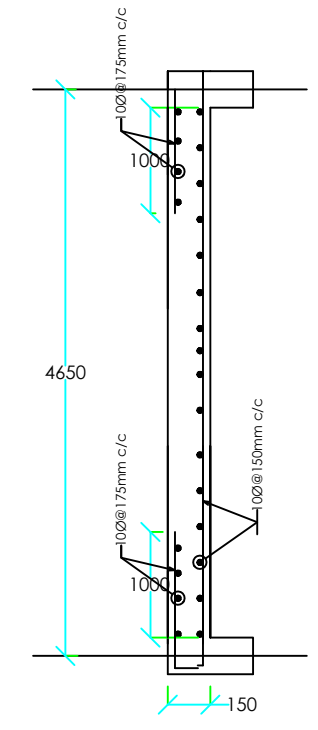
REVISION SUFFIX	NORTH
□ □ □ □ □	

- GENERAL NOTE:**
- ALL DIMENSIONS ARE IN METERS (FEET) 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.

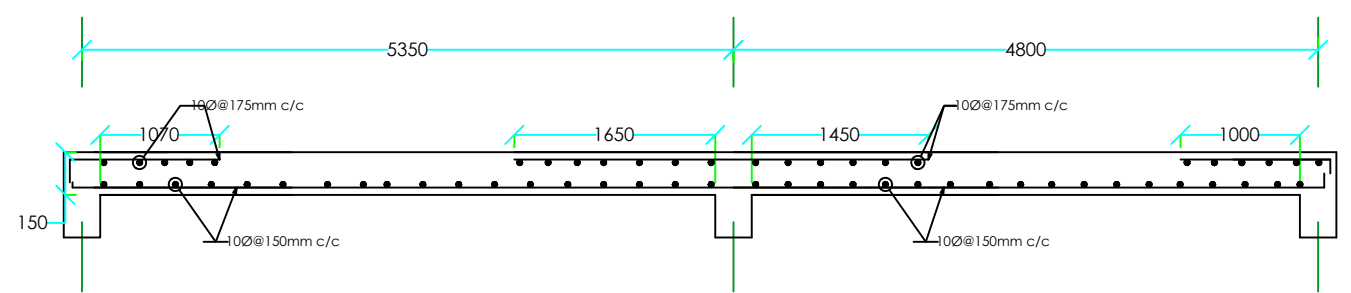
PROJECT:
 TITLE: FUEL RETAIL OUTLET
 LOCATION: CHHUME BUMTHANG
 OWNER: STCBL
 PLOT ID: LCHU-6
 CERTIFICATE NO: BUM-74-6
 FLOORS: G+1 STRUCTURE



FIRST FLOOR SLAB



SECTION Y-Y



SECTION X-X

OWNER SIGNATURE

DESIGNED BY:
 SUGAN PRADHAN
 (GENERAL MANAGER, PETROLEUM
 DIVISION)
 CIVIL ENGINEER
 STCBL, THIMPHU

DRAWING TITLE: SLAB DETAILS

STRUCTURAL DRAWING

DATE: APRIL 2021

SCALE: NTS

DRAWING
 SHEET NO : ST/17

REVISION SUFFIX

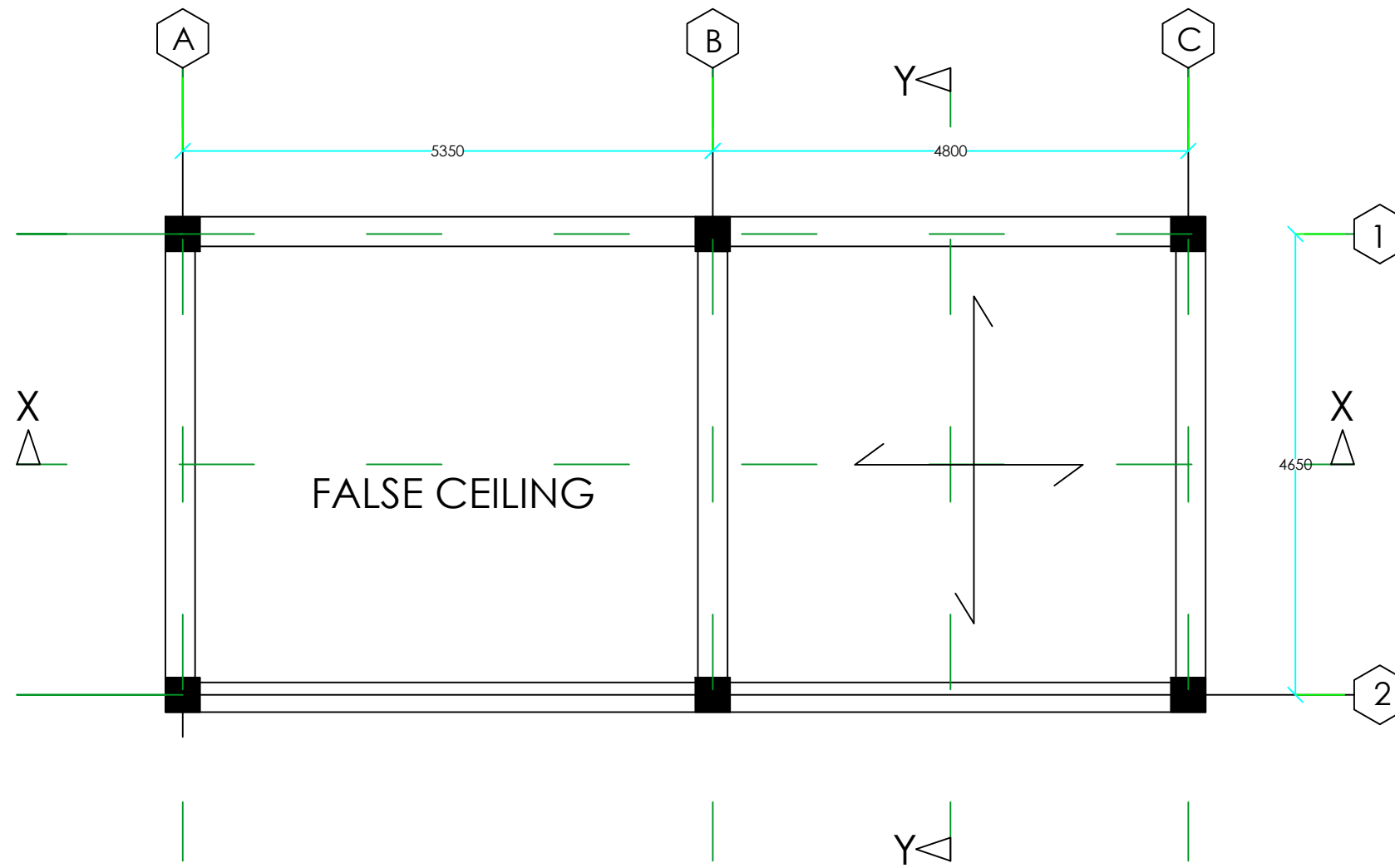
□ □ □ □ □

NORTH

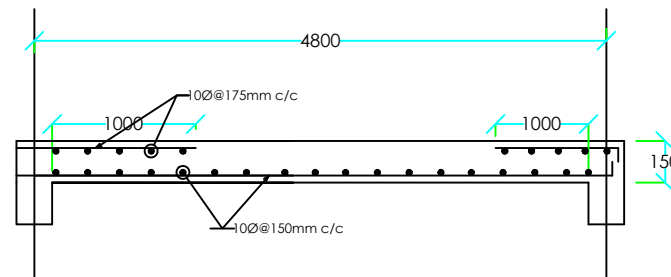


GENERAL NOTE:

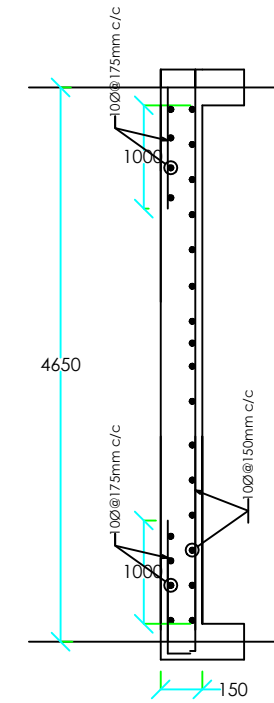
- ALL DIMENSIONS ARE IN METERS (FEET) UNLESS SPECIFIED OTHERWISE.
- ALL DIMENSIONS MEASURE UNFINISHED SURFACES UNLESS SPECIFIED OTHERWISE.
- ALL DIMENSIONS ARE TO BE READ AND NOT SCALE OFF.
- ANY DISCREPANCY IN DRAWING IS TO BE BROUGHT TO THE IMMEDIATE NOTICE OF THE ARCHITECT AND THE ENGINEER.



ROOF SLAB



SECTION X-X



SECTION Y-Y

PROJECT:	
TITLE:	FUEL RETAIL OUTLET
LOCATION:	CHHUME BUMTHANG
OWNER:	STCBL
PLOT ID:	LCHU-6
CERTIFICATE NO:	BUM-74-6
FLOORS:	G+1 STRUCTURE



OWNER SIGNATURE

DESIGNED BY:

SUGAN PRADHAN
(GENERAL MANAGER, PETROLEUM
DIVISION)
CIVIL ENGINEER
STCBL, THIMPHU

DRAWING TITLE: ROOF SLAB DETAILS

STRUCTURAL DRAWING

DATE: APRIL 2021

SCALE: NTS

DRAWING

SHEET NO : ST/18

REVISION SUFFIX

□ □ □ □ □

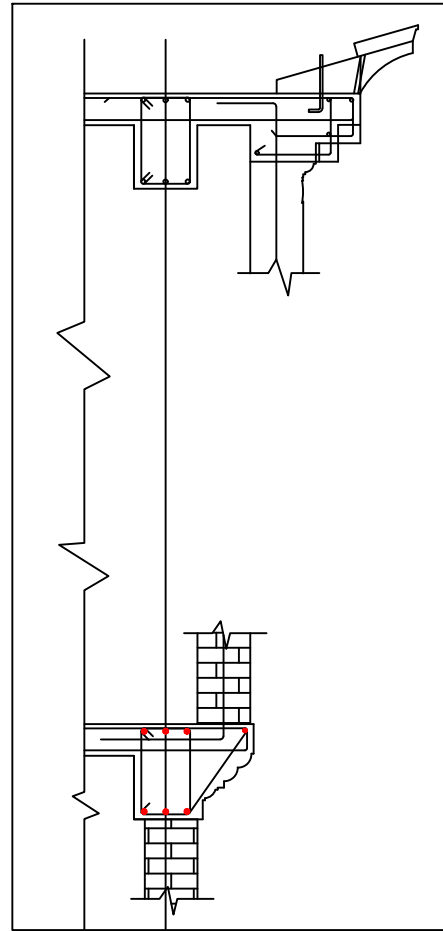
NORTH



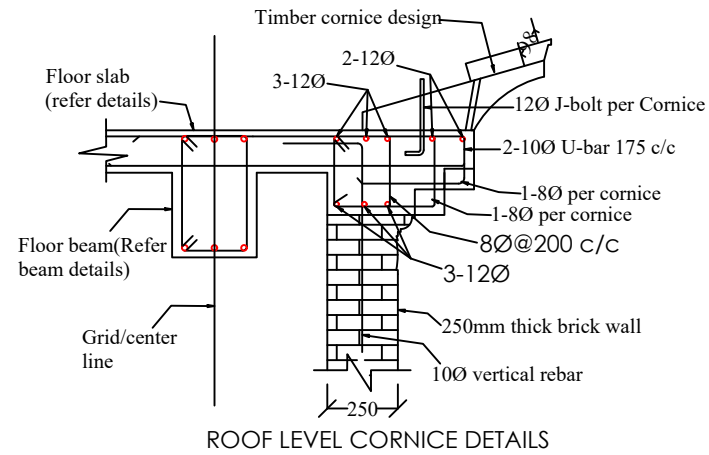
GENERAL NOTE:

- ALL DIMENSIONS ARE IN METERS (FEETS) 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.

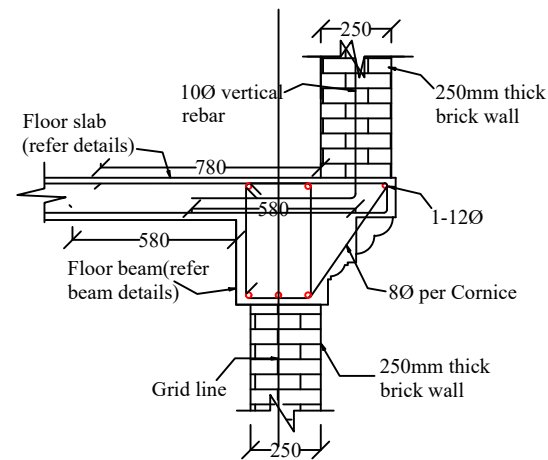
CORNICES



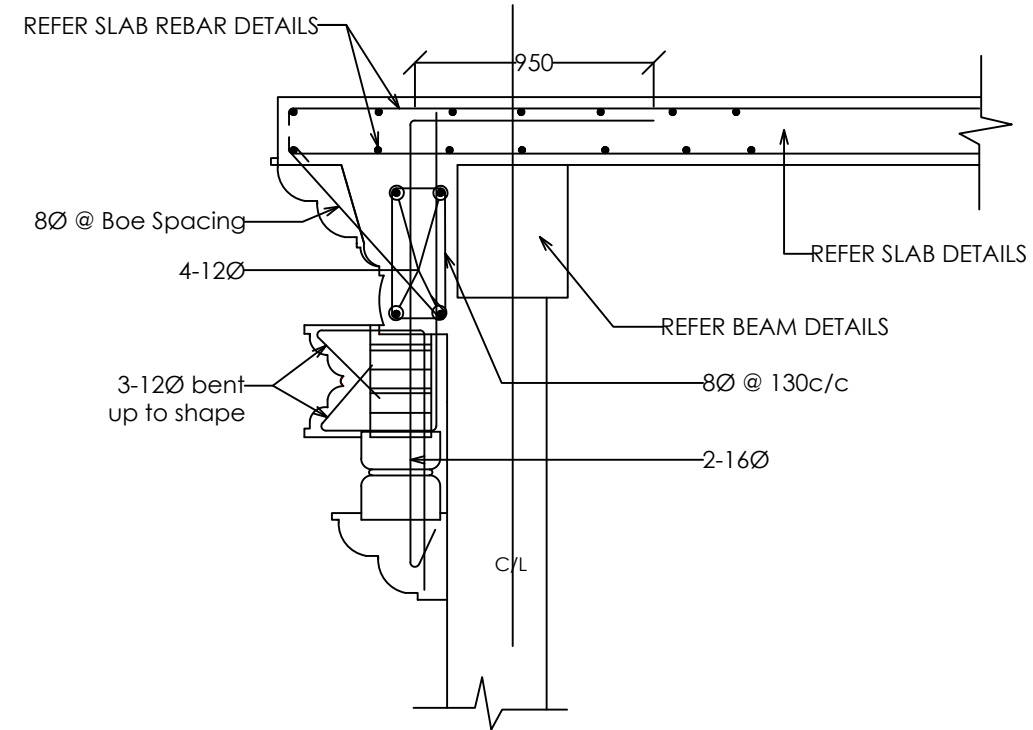
RC CORNICE DETAILS AT VARIOUS FLOOR LEVEL



ROOF LEVEL CORNICE DETAILS



FIRST FLOOR LEVEL CORNICE DETAILS



RE-BAR DETAILS OF DRE ZHU

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 of cornices at various floor levels.

PROJECT:

TITLE: FUEL RETAIL OUTLET
 LOCATION: CHHUME BUMTHANG
 OWNER: STCBL
 PLOT ID: LCHU-6
 CERTIFICATE NO: BUM-74-6
 FLOORS: G+1 STRUCTURE



OWNER SIGNATURE

DESIGNED BY:

SUGAN PRADHAN
 (GENERAL MANAGER, PETROLEUM
 DIVISION)
 CIVIL ENGINEER
 STCBL, THIMPHU

DRAWING TITLE: CORNICES DETAILS

STRUCTURAL DRAWING

DATE: APRIL 2021

SCALE: NTS

DRAWING

SHEET NO : ST/19

REVISION SUFFIX

□ □ □ □ □

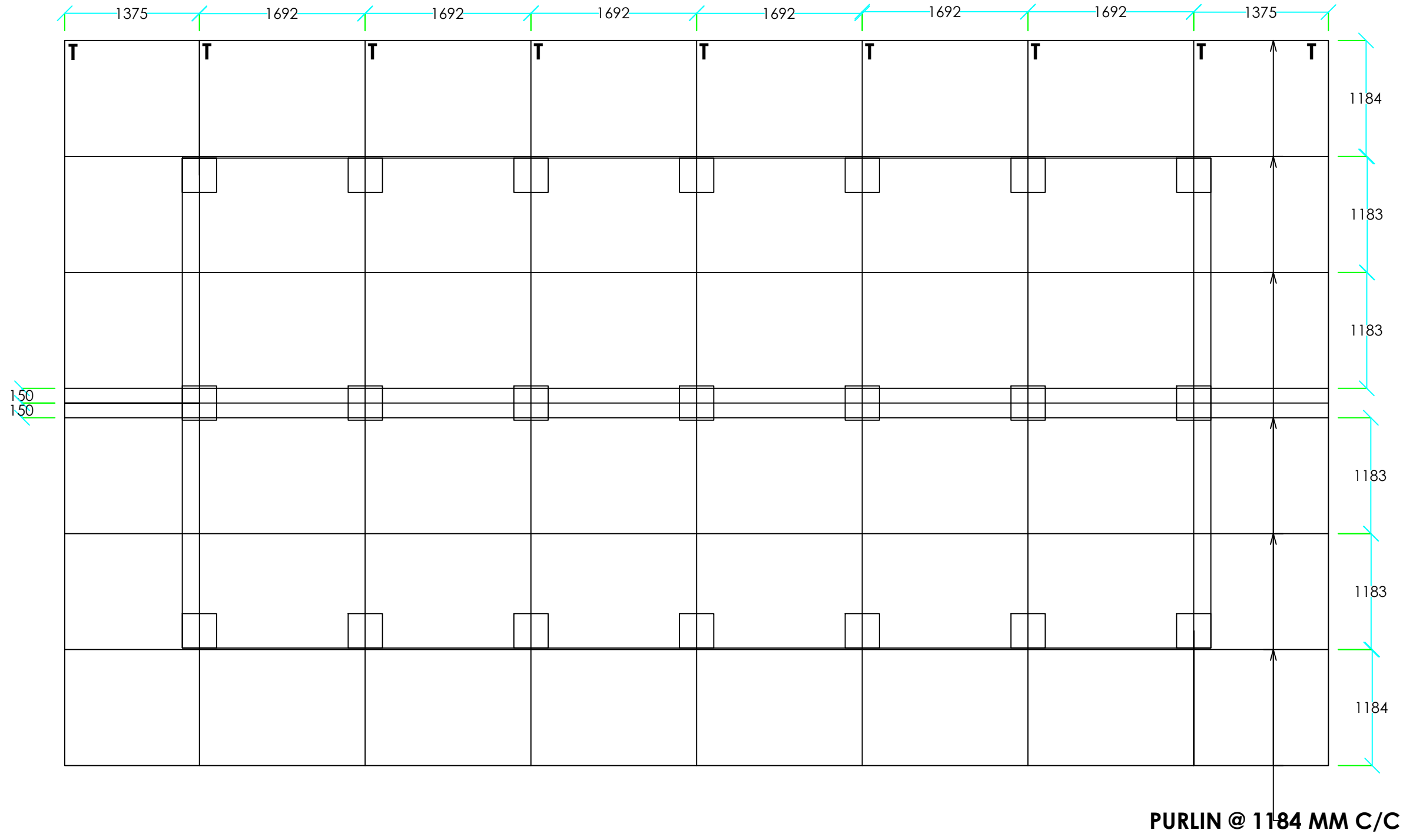
NORTH



GENERAL NOTE:

- ALL DIMENSIONS ARE IN METERS (FEET) 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.

PROJECT:
TITLE: FUEL RETAIL OUTLET
LOCATION: CHHUME BUMTHANG
OWNER: STCBL
PLOT ID: LCHU-6
CERTIFICATE NO: BUM-74-6
FLOORS: G+1 STRUCTURE



ROOF LAYOUT

OWNER SIGNATURE

DESIGNED BY:
SUGAN PRADHAN
 (GENERAL MANAGER, PETROLEUM DIVISION)
 CIVIL ENGINEER
 STCBL, THIMPHU

DRAWING TITLE: ROOF LAYOUT
STRUCTURAL DRAWING

DATE: APRIL 2021

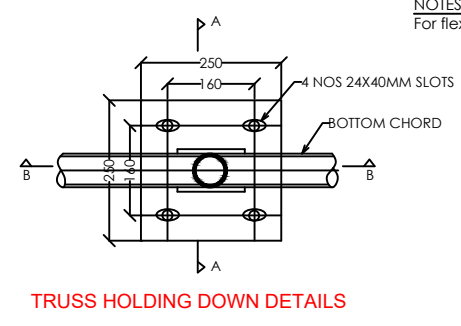
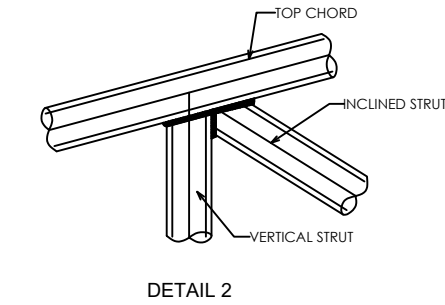
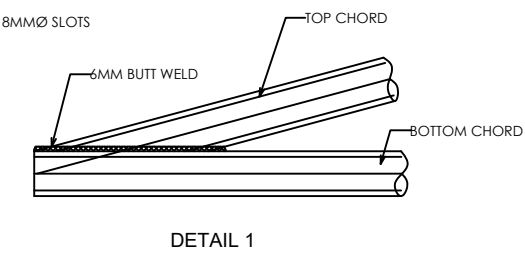
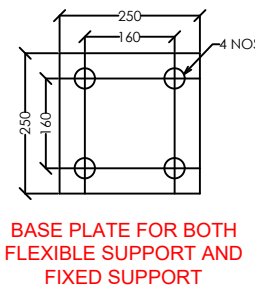
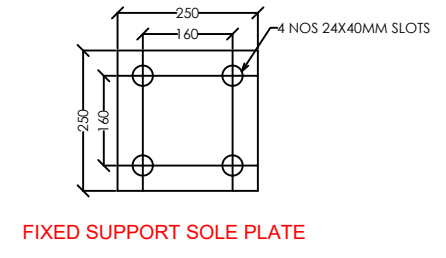
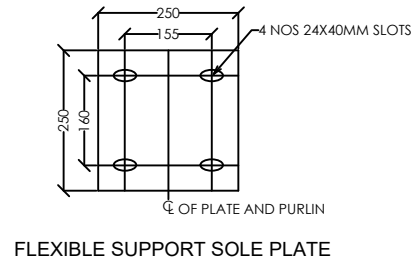
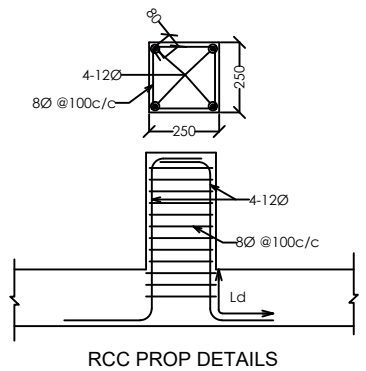
SCALE: NTS

DRAWING SHEET NO : ST/20

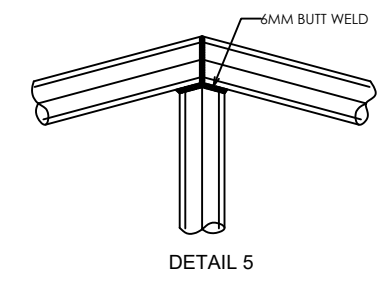
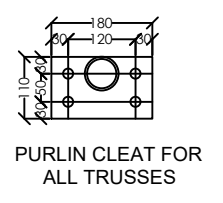
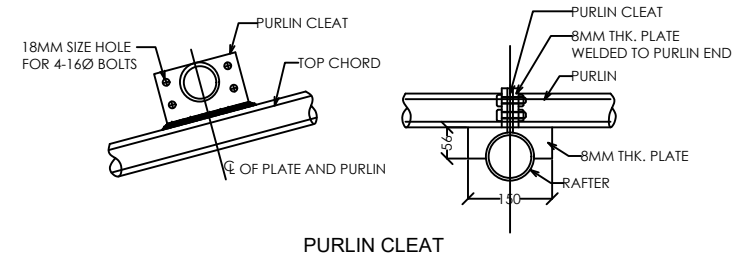
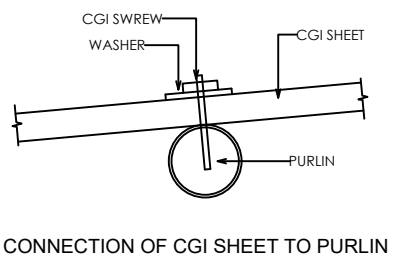
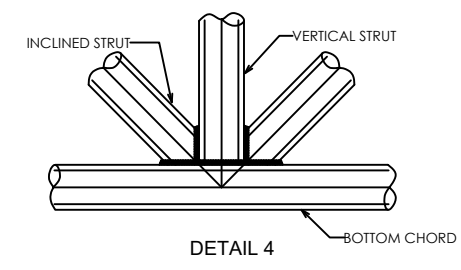
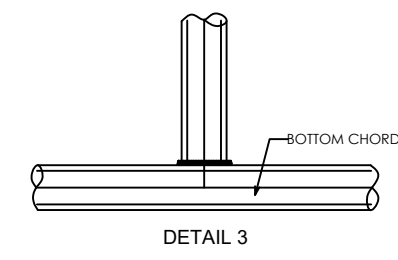
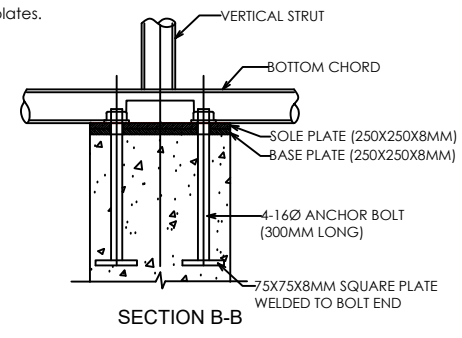
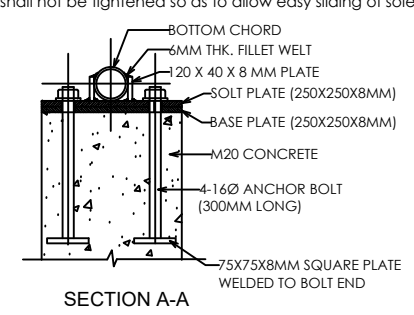
REVISION SUFFIX	NORTH
□ □ □ □ □	

- GENERAL NOTE:**
- ALL DIMENSIONS ARE IN METERS (FEET) 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.

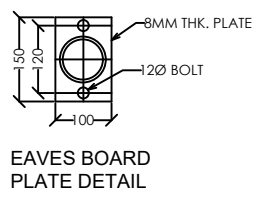
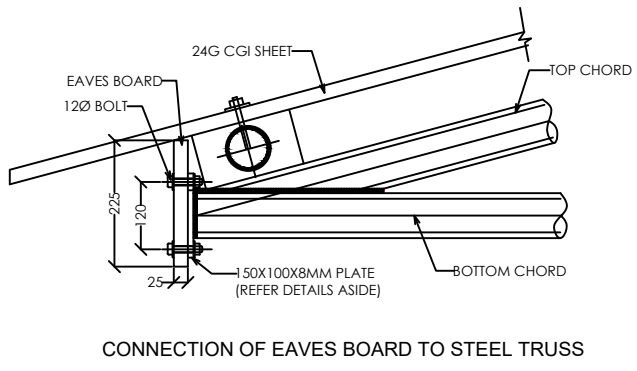
PROJECT:
TITLE: FUEL RETAIL OUTLET
LOCATION: CHHUME BUMTHANG
OWNER: STCBL
PLOT ID: LCHU-6
CERTIFICATE NO: BUM-74-6
FLOORS: G+1 STRUCTURE



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



- 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.



OWNER SIGNATURE

DESIGNED BY:

SUGAN PRADHAN
 (GENERAL MANAGER, PETROLEUM DIVISION)
 CIVIL ENGINEER
 STCBL, THIMPHU

DRAWING TITLE: TRUSS DETAILS

STRUCTURAL DRAWING

DATE: APRIL 2021

SCALE: NTS

DRAWING

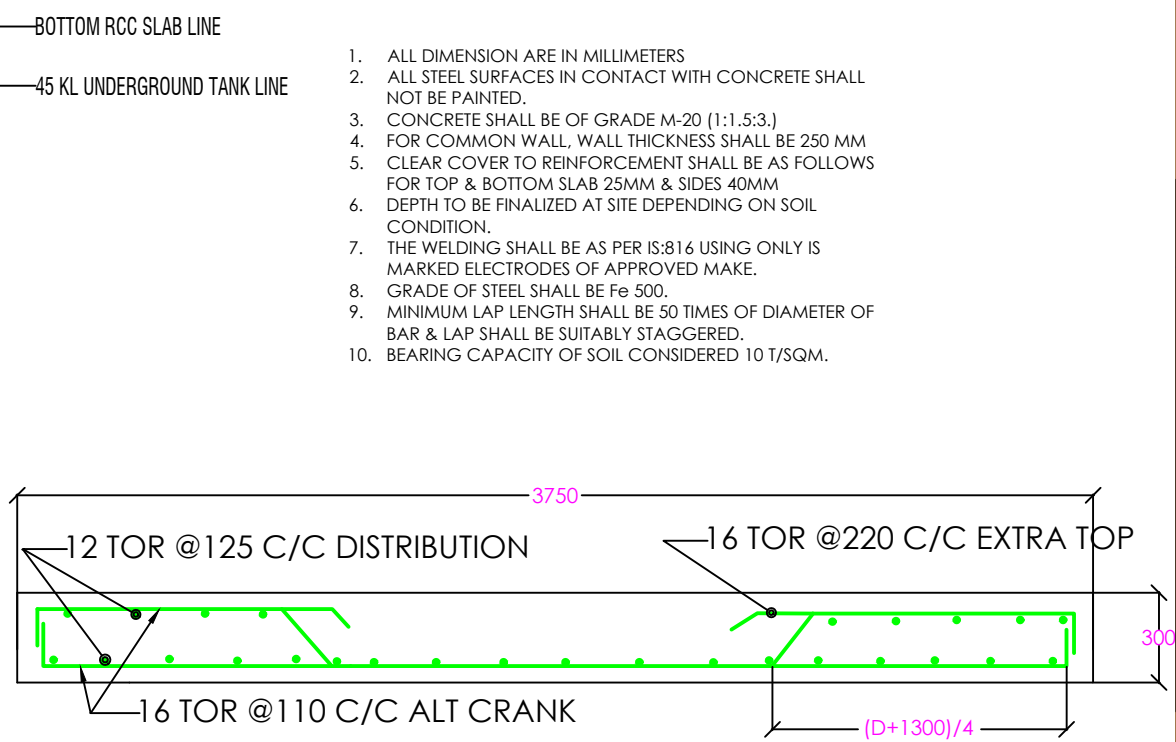
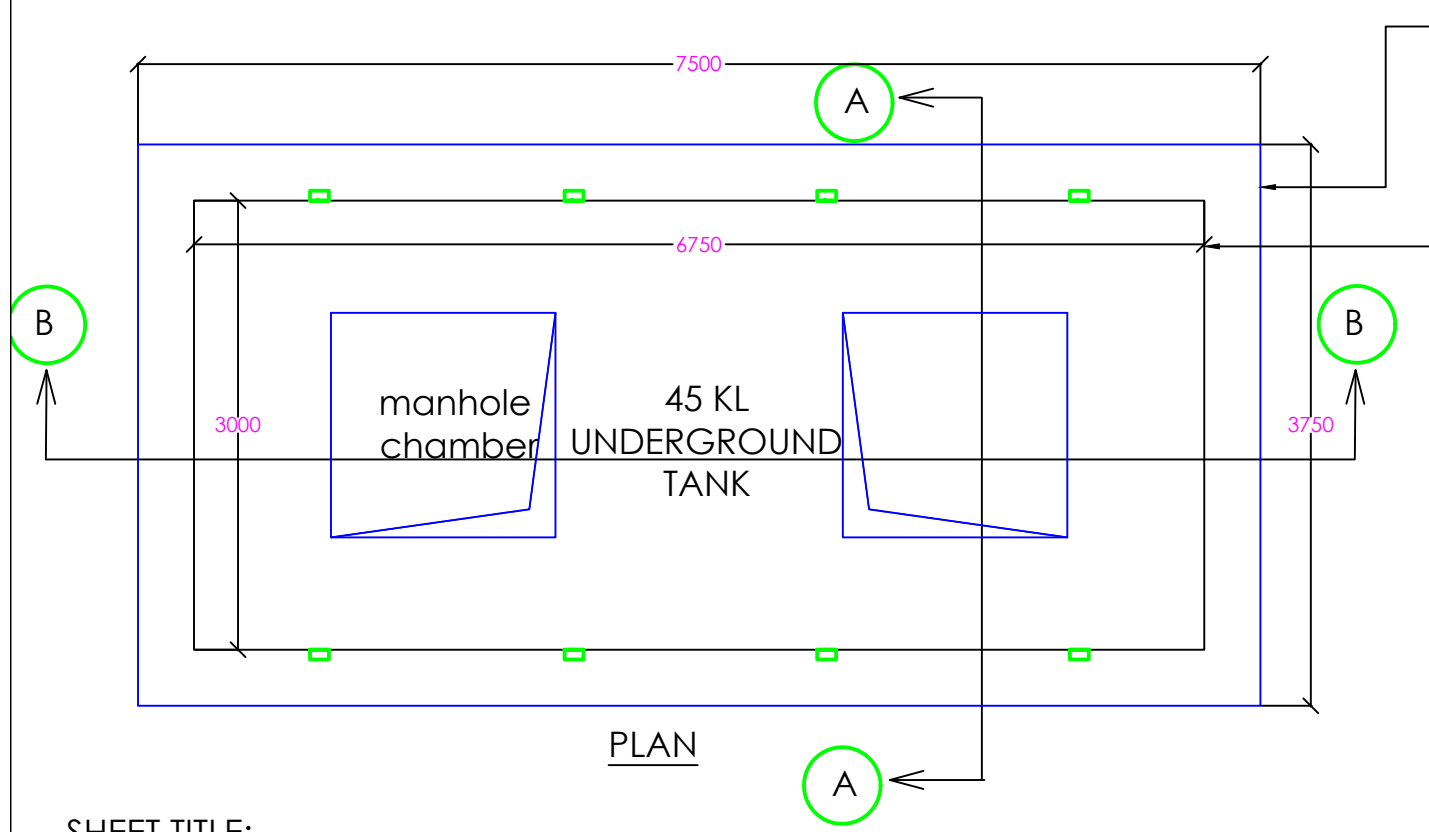
SHEET NO : ST/22

REVISION SUFFIX	NORTH
□ □ □ □ □	

GENERAL NOTE:

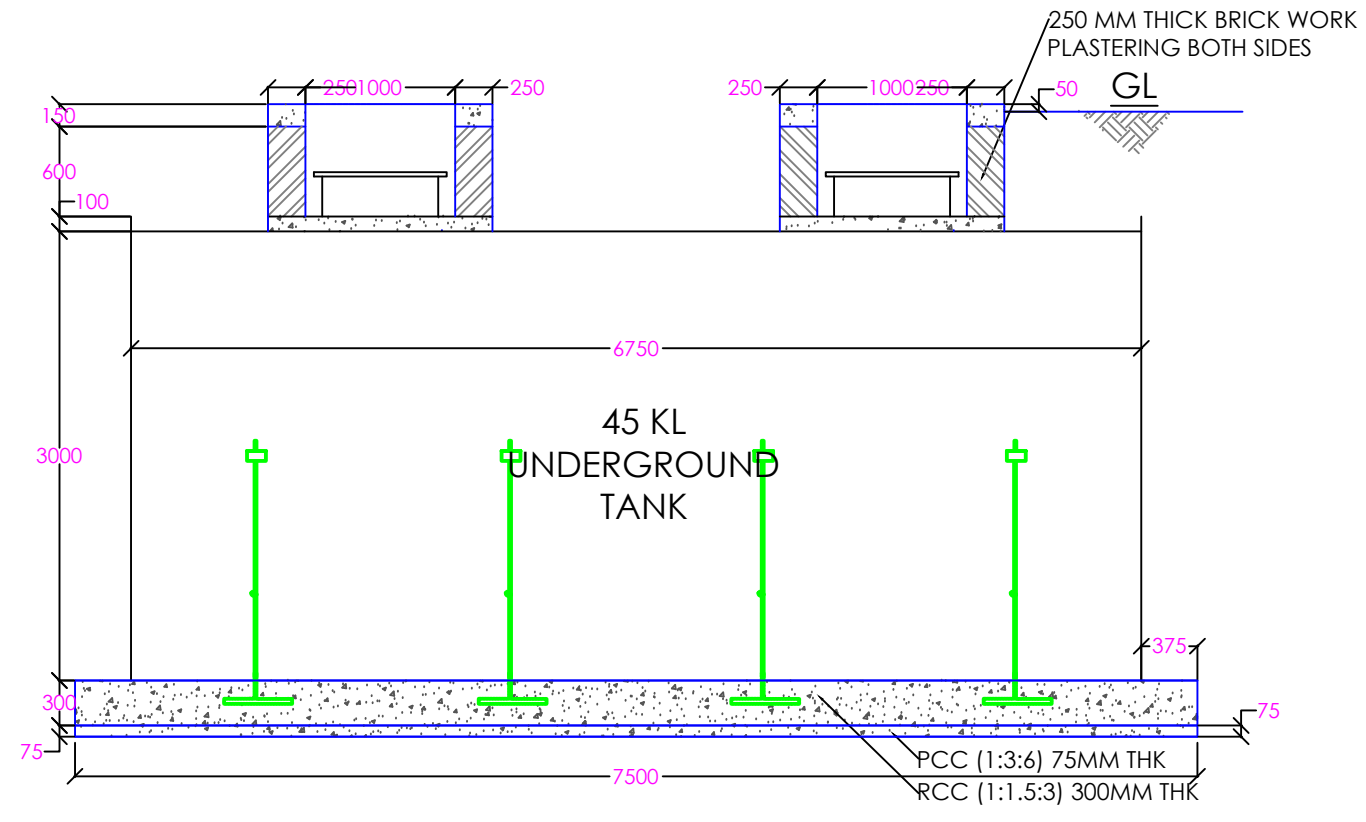
- ALL DIMENSIONS ARE IN METERS (FEET) UNLESS SPECIFIED OTHERWISE.
- ALL DIMENSIONS MEASURE UNFINISHED SURFACES UNLESS SPECIFIED OTHERWISE.
- ALL DIMENSIONS ARE TO BE READ AND NOT SCALE OFF.
- ANY DISCREPANCY IN DRAWING IS TO BE BROUGHT TO THE IMMEDIATE NOTICE OF THE ARCHITECT AND THE ENGINEER.

PROJECT:	
TITLE:	FUEL RETAIL OUTLET
LOCATION:	CHHUME BUMTHANG
OWNER:	STCBL
PLOT ID:	LCHU-6
CERTIFICATE NO:	BUM-74-6
FLOORS:	G+1 STRUCTURE

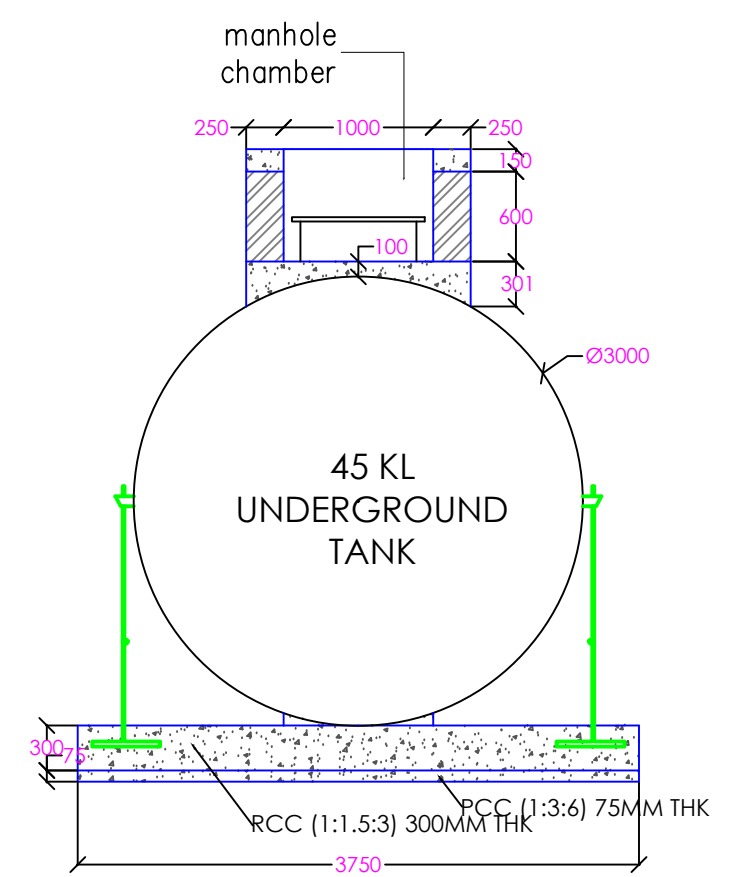


1. ALL DIMENSION ARE IN MILLIMETERS
2. ALL STEEL SURFACES IN CONTACT WITH CONCRETE SHALL NOT BE PAINTED.
3. CONCRETE SHALL BE OF GRADE M-20 (1:1.5:3.)
4. FOR COMMON WALL, WALL THICKNESS SHALL BE 250 MM CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWS FOR TOP & BOTTOM SLAB 25MM & SIDES 40MM
5. DEPTH TO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

SHEET TITLE:
DRAWING OF 45 KL UNDERGROUND TANK



CROSS SECTION B-B



CROSS SECTION A-A

OWNER SIGNATURE

DESIGNED BY:
SUGAN PRADHAN
(GENERAL MANAGER, PETROLEUM DIVISION)
CIVIL ENGINEER
STCBL, THIMPHU

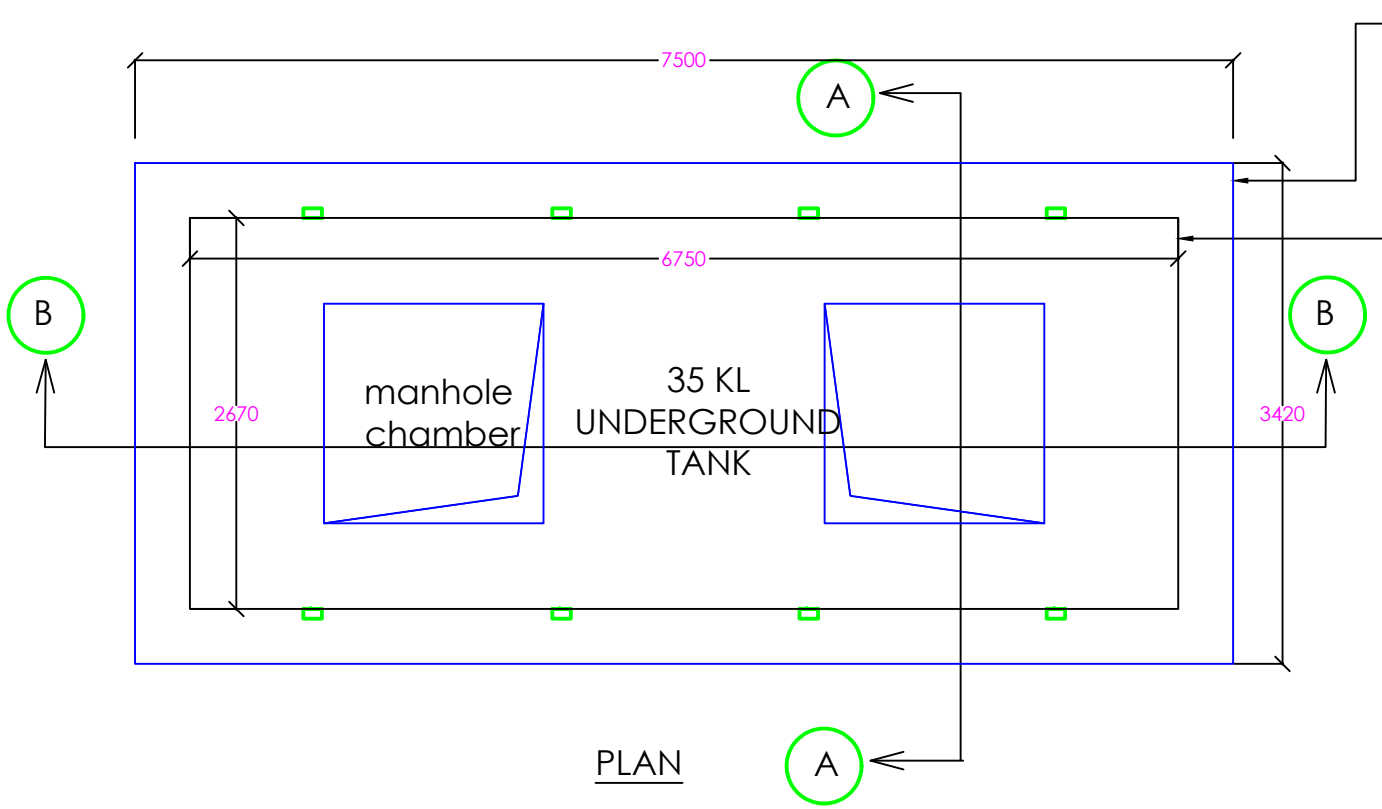
DRAWING TITLE: UG TANK DETAILS
STRUCTURAL DRAWING

DATE: APRIL 2021
SCALE: NTS
DRAWING SHEET NO : ST/23

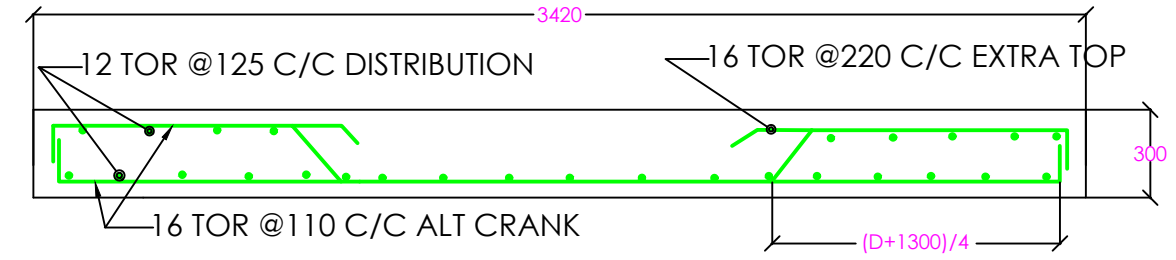
REVISION SUFFIX	NORTH
□ □ □ □ □	

- GENERAL NOTE:**
- ALL DIMENSIONS ARE IN METERS (FEET) 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.

PROJECT:	
TITLE:	FUEL RETAIL OUTLET
LOCATION:	CHHUME BUMTHANG
OWNER:	STCBL
PLOT ID:	LCHU-6
CERTIFICATE NO:	BUM-74-6
FLOORS:	G+1 STRUCTURE

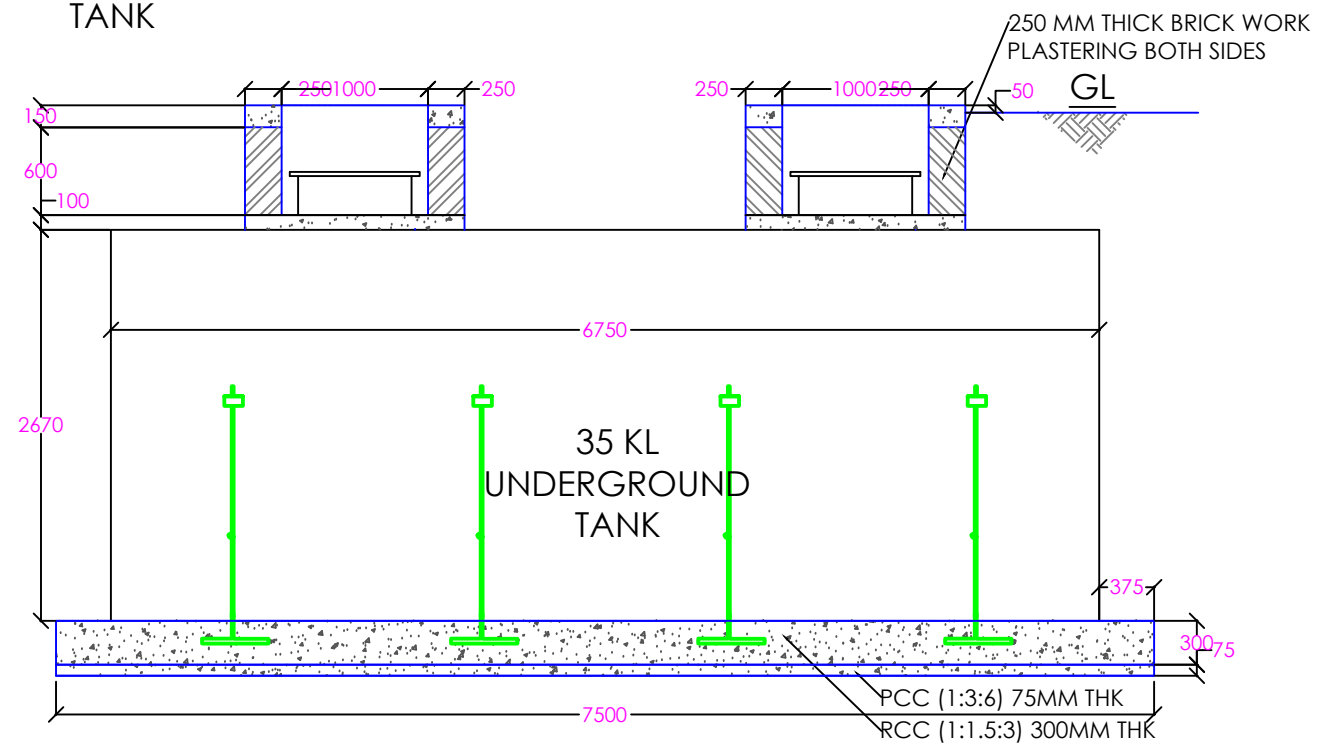


1. ALL DIMENSION ARE IN MILLIMETERS
2. ALL STEEL SURFACES IN CONTACT WITH CONCRETE SHALL NOT BE PAINTED.
3. CONCRETE SHALL BE OF GRADE M-20 (1:1.5:3.)
4. FOR COMMON WALL, WALL THICKNESS SHALL BE 250 MM
5. CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWS FOR TOP & BOTTOM SLAB 25MM & SIDES 40MM
6. DEPTH 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.

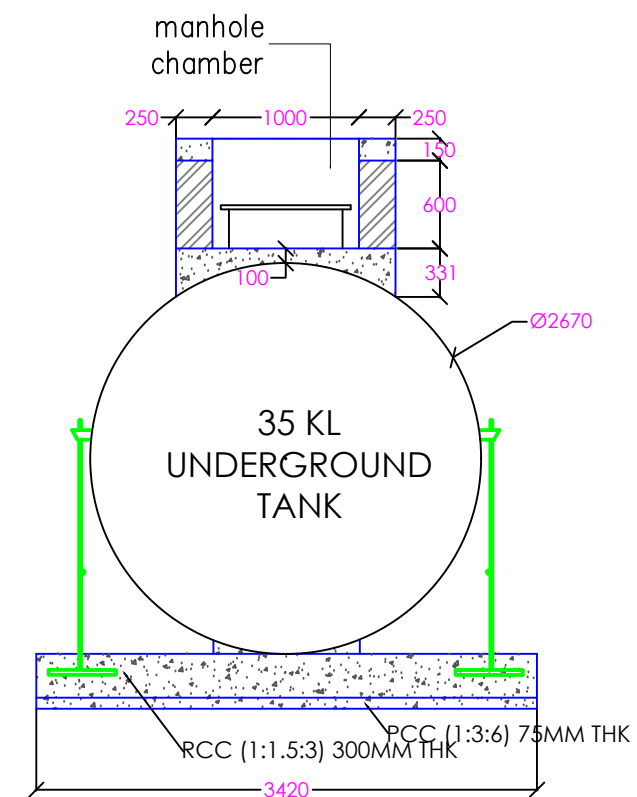


BOTTOM RAFT REINFORCEMENT DETAILS

**SHEET TITLE:
DRAWING OF 35 KL UNDERGROUND TANK**



CROSS SECTION B-B



CROSS SECTION A-A

OWNER SIGNATURE

DESIGNED BY:
SUGAN PRADHAN
 (GENERAL MANAGER, PETROLEUM DIVISION)
 CIVIL ENGINEER
 STCBL, THIMPHU

DRAWING TITLE:UG TANK DETAILS

STRUCTURAL DRAWING

DATE: APRIL 2021

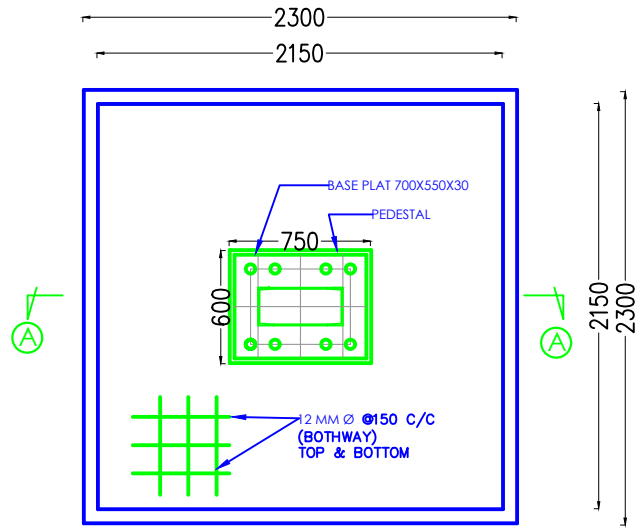
SCALE: NTS

DRAWING SHEET NO : ST/24

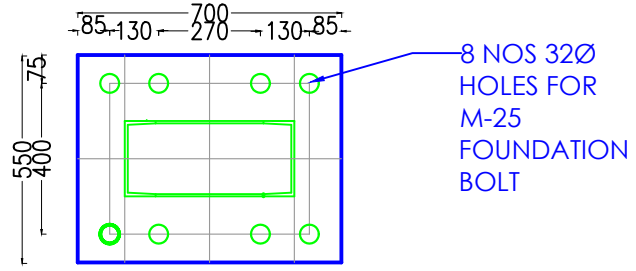
REVISION SUFFIX	NORTH
□ □ □ □ □	

- GENERAL NOTE:**
- ALL DIMENSIONS ARE IN METERS (FEET) 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.

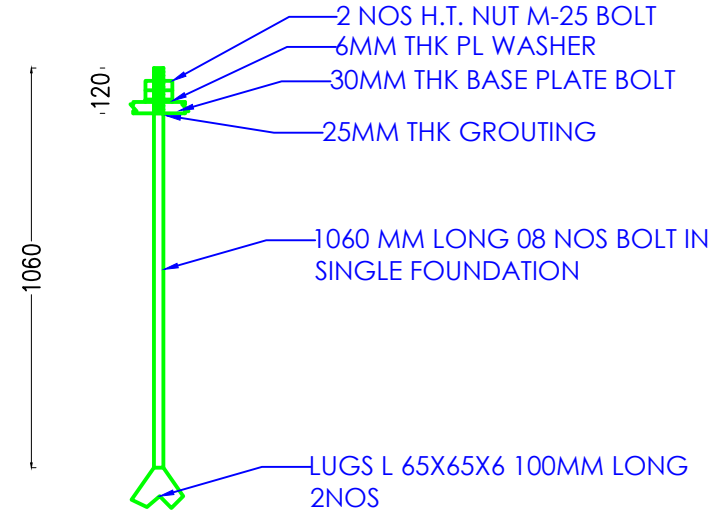
PROJECT:	
TITLE:	FUEL RETAIL OUTLET
LOCATION:	CHHUME BUMTHANG
OWNER:	STCBL
PLOT ID:	LCHU-6
CERTIFICATE NO:	BUM-74-6
FLOORS:	G+1 STRUCTURE



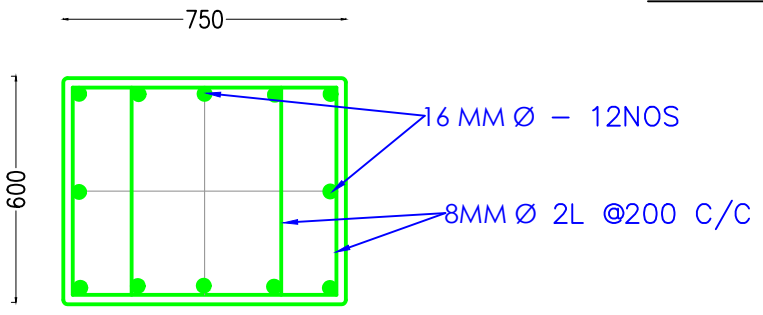
PLAN OF FOOTING



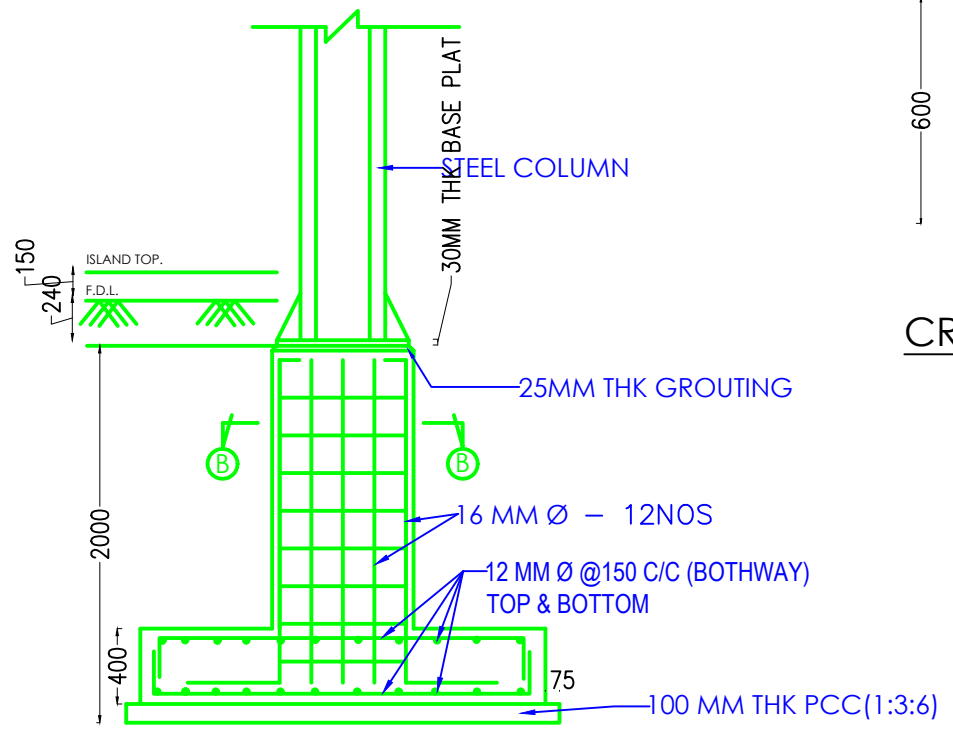
BASE PLATE PLAN



DETAIL OF FOUNDATION BOLT



CROSS SECTION B-B



CROSS SECTION A-A

CANOPY

SHEET TITLE:
DRAWING OF FOUNDATION DETAILS OF CANOPY

- ALL DIMENSION ARE IN MILLIMETERS
- ALL STEEL SURFACES IN CONTACT WITH CONCRETE SHALL NOT BE PAINTED.
- CONCRETE SHALL BE OF GRADE M-20 (1:1.5:3.)
- FOR COMMON WALL, WALL THICKNESS SHALL BE 500MM
- CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWS. FOR TOP & BOTTOM SLAB 25MM & SIDES 40MM
- DEPTH TO BE FINALIZED AT SITE DEPENDING ON SOIL CONDITION.
- THE WELDING SHALL BE AS PER IS:816 USING ONLY IS MARKED ELECTRODES OF APPROVED MAKE.
- GRADE OF STEEL SHALL BE Fe 415
- MINIMUM LAP LENGTH SHALL BE 50 TIMES OF DIA OF BAR & LAP SHALL BE SUITABLY STAGGERED
- BEARING CAPACITY OF SOIL CONSIDERED 10 T/SQM
- DESIGN BASIS : IS 456, IS 875 (PART i - iv)

OWNER SIGNATURE

DESIGNED BY:
SUGAN PRADHAN
(GENERAL MANAGER, PETROLEUM DIVISION)
CIVIL ENGINEER
STCBL, THIMPHU

DRAWING TITLE: CANOPY FOUNDATION
STRUCTURAL DRAWING

DATE: APRIL 2021

SCALE: NTS

DRAWING SHEET NO : ST/25

REVISION SUFFIX	NORTH
□ □ □ □ □	

GENERAL NOTE:

- ALL DIMENSIONS ARE IN METERS (FEET) 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.

PROJECT:
TITLE: FUEL RETAIL OUTLET
LOCATION: CHHUME BUMTHANG
OWNER: STCBL
PLOT ID: LCHU-6
CERTIFICATE NO: BUM-74-6
FLOORS: G+1 STRUCTURE



OWNER SIGNATURE

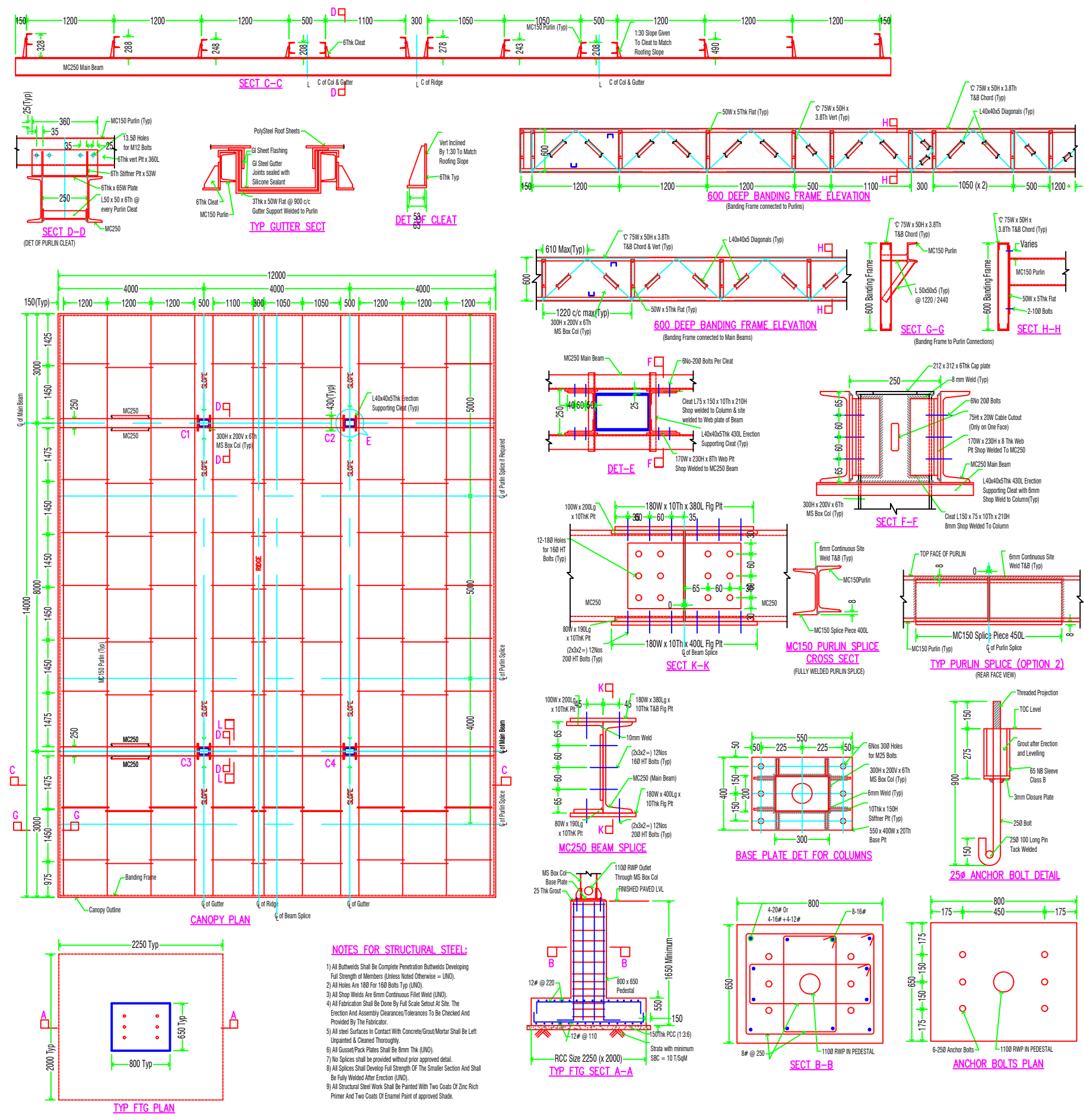
DESIGNED BY:
SUGAN PRADHAN
(GENERAL MANAGER, PETROLEUM DIVISION)
CIVIL ENGINEER
STCBL, THIMPHU
DRAWING TITLE: CANOPY DETAILS
STRUCTURAL DRAWING

DATE: APRIL 2021
SCALE: NTS
DRAWING SHEET NO : ST/26

REVISION SUFFIX	NORTH
□ □ □ □ □	

GENERAL NOTE:

- ALL DIMENSIONS ARE IN METERS (FEET) 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.



PROJECT:
TITLE: FUEL RETAIL OUTLET
LOCATION: CHHUME BUMTHANG
OWNER: STCBL
PLOT ID: LCHU-6
CERTIFICATE NO: BUM-74-6
FLOORS: G+1 STRUCTURE



OWNER SIGNATURE

DESIGNED BY:
SUGAN PRADHAN
 (GENERAL MANAGER, PETROLEUM DIVISION)
 CIVIL ENGINEER
 STCBL, THIMPHU
DRAWING TITLE: ISLAND DETAILS

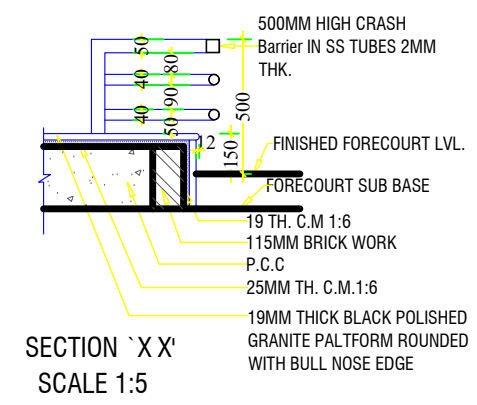
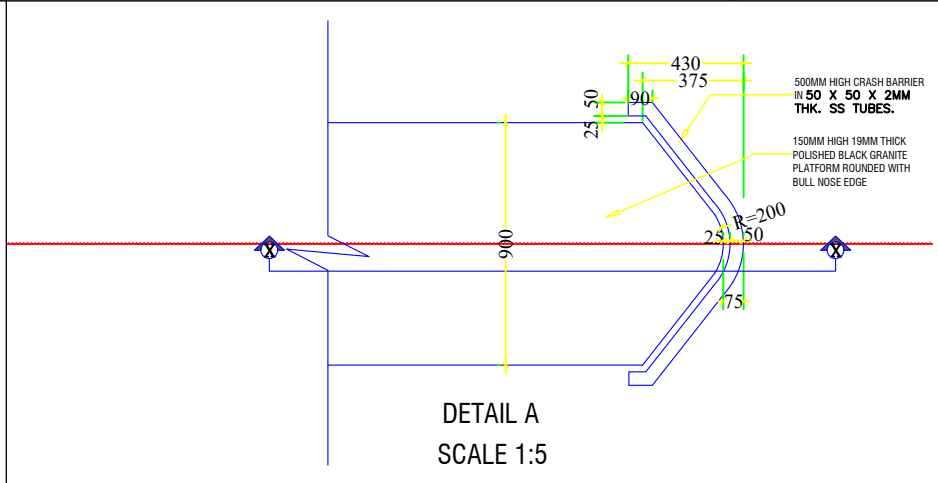
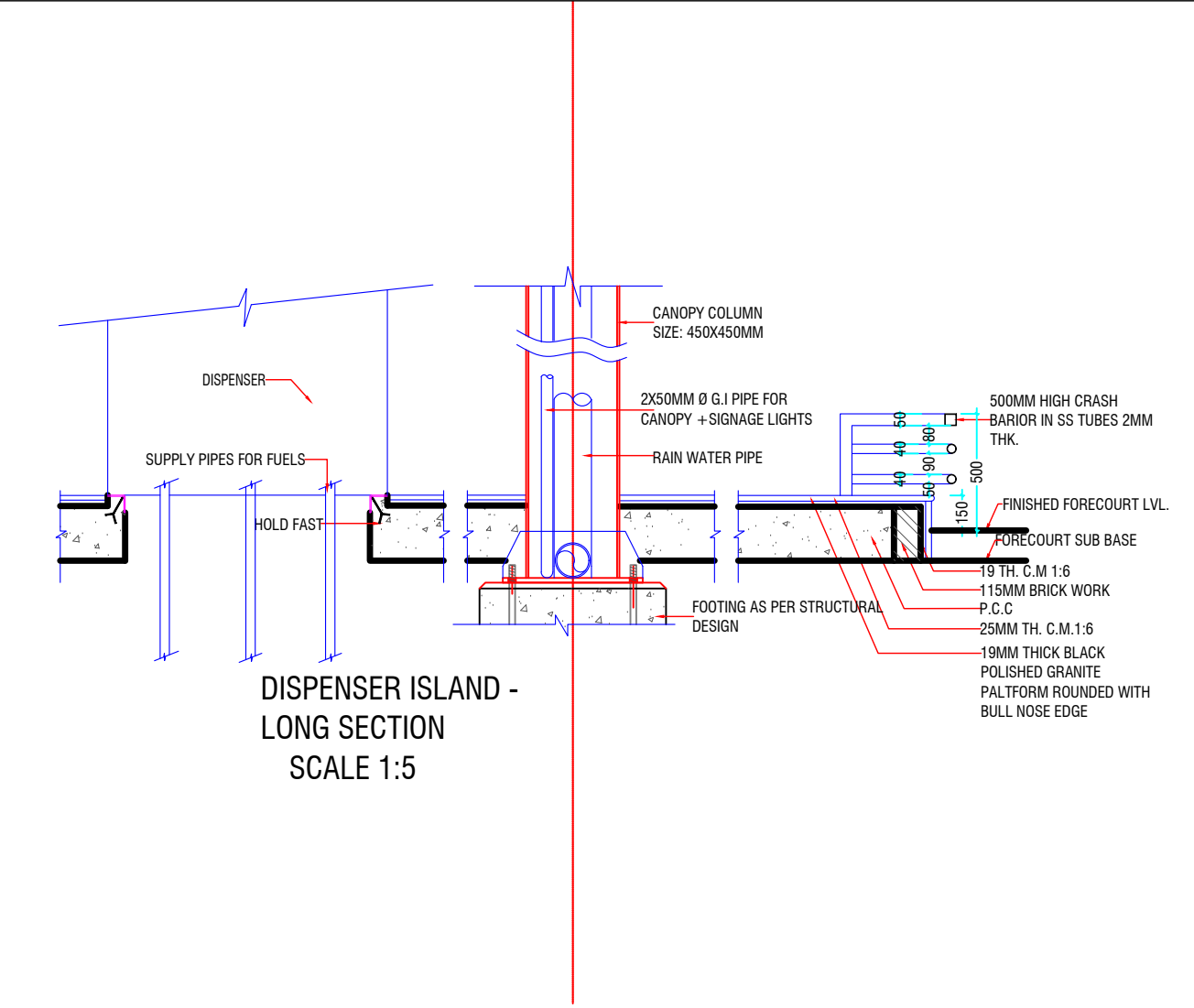
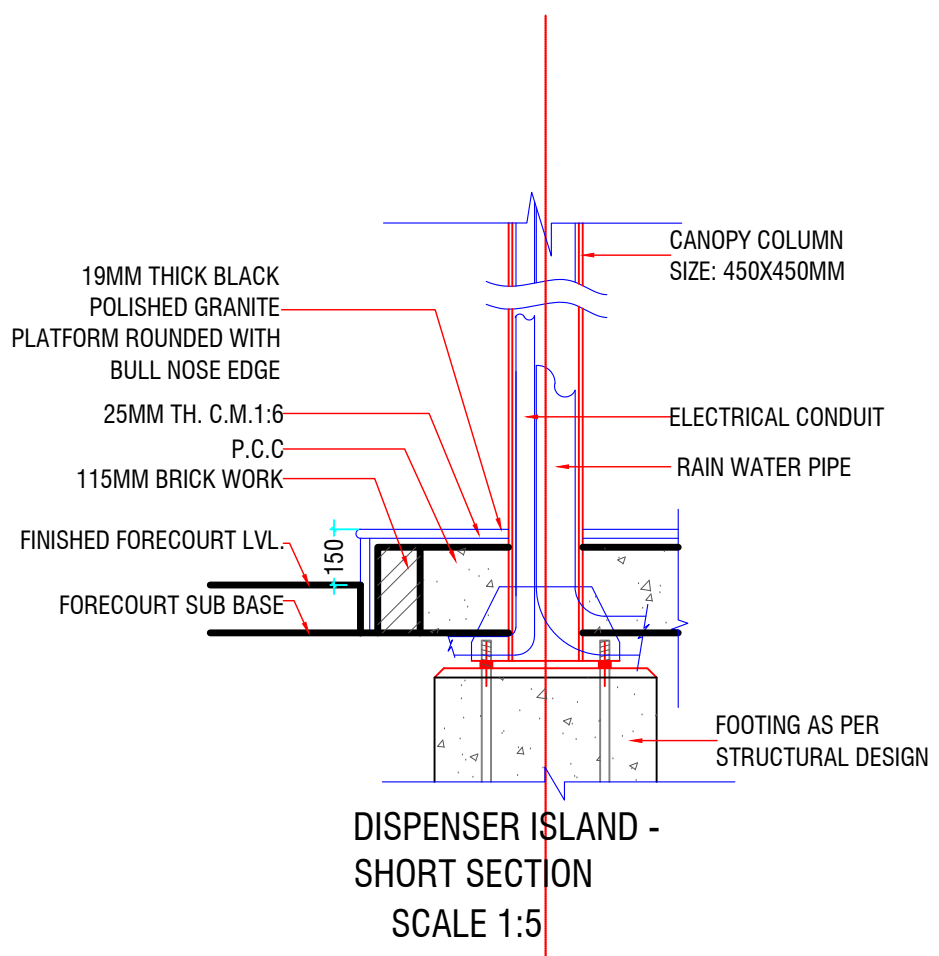
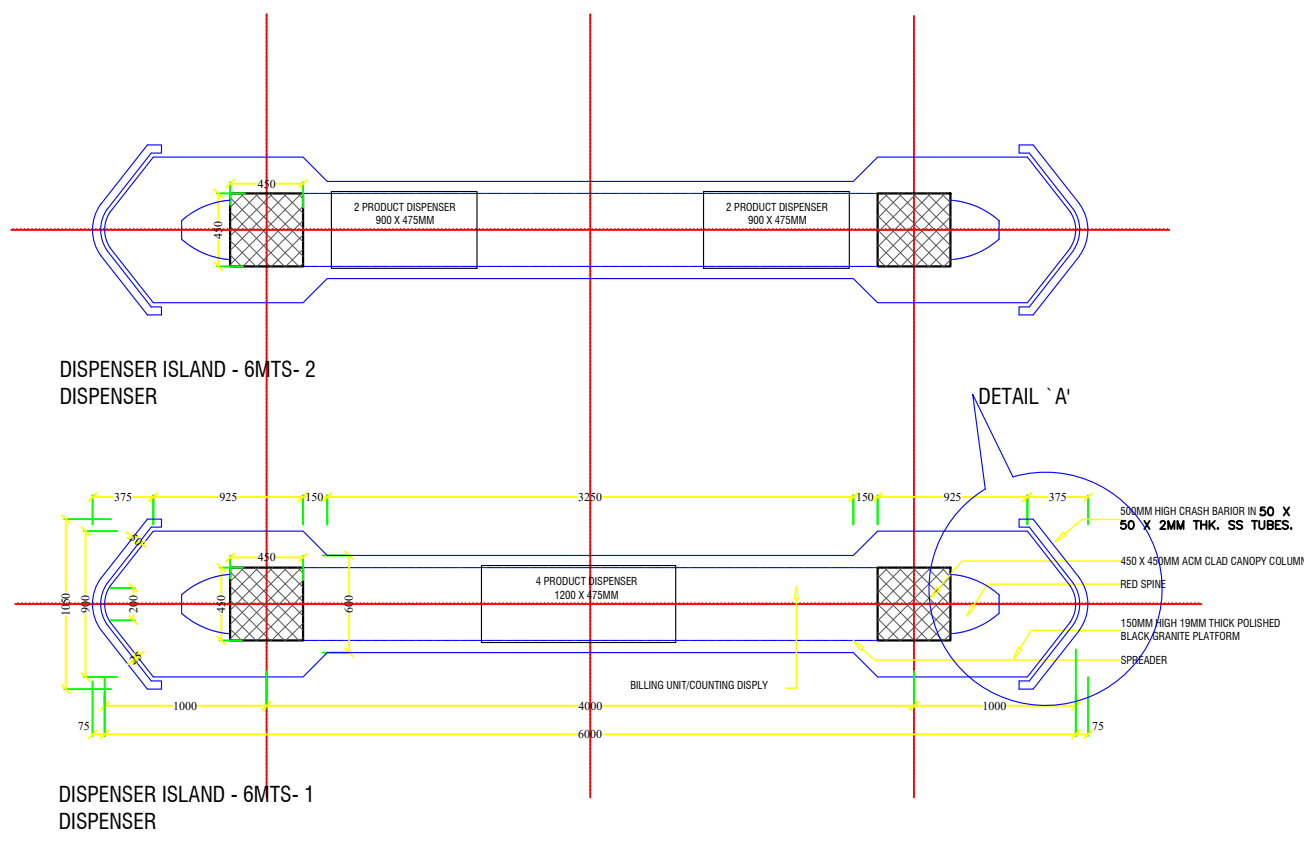
STRUCTURAL DRAWING

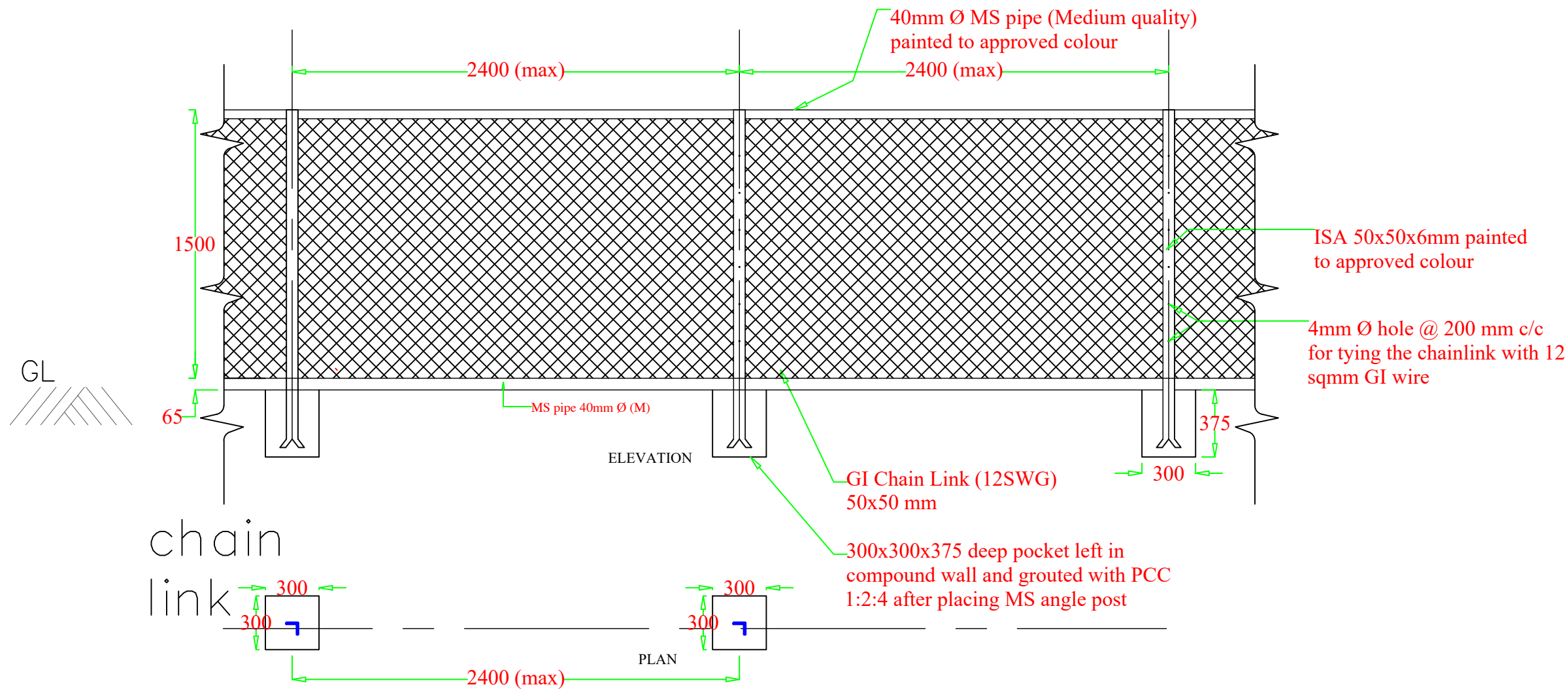
DATE: APRIL 2021
SCALE: NTS
DRAWING SHEET NO : ST/27

REVISION SUFFIX	NORTH
□ □ □ □ □	

GENERAL NOTE:

- ALL DIMENSIONS ARE IN METERS (FEET) 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.





PROJECT:	
TITLE:	FUEL RETAIL OUTLET
LOCATION:	CHHUME BUMTHANG
OWNER:	STCBL
PLOT ID:	LCHU-6
CERTIFICATE NO:	BUM-74-6
FLOORS:	G+1 STRUCTURE



OWNER SIGNATURE

DESIGNED BY:
SUGAN PRADHAN
 (GENERAL MANAGER, PETROLEUM DIVISION)
 CIVIL ENGINEER
 STCBL, THIMPHU

DRAWING TITLE: FENCING DETAILS

STRUCTURAL DRAWING

DATE: APRIL 2021

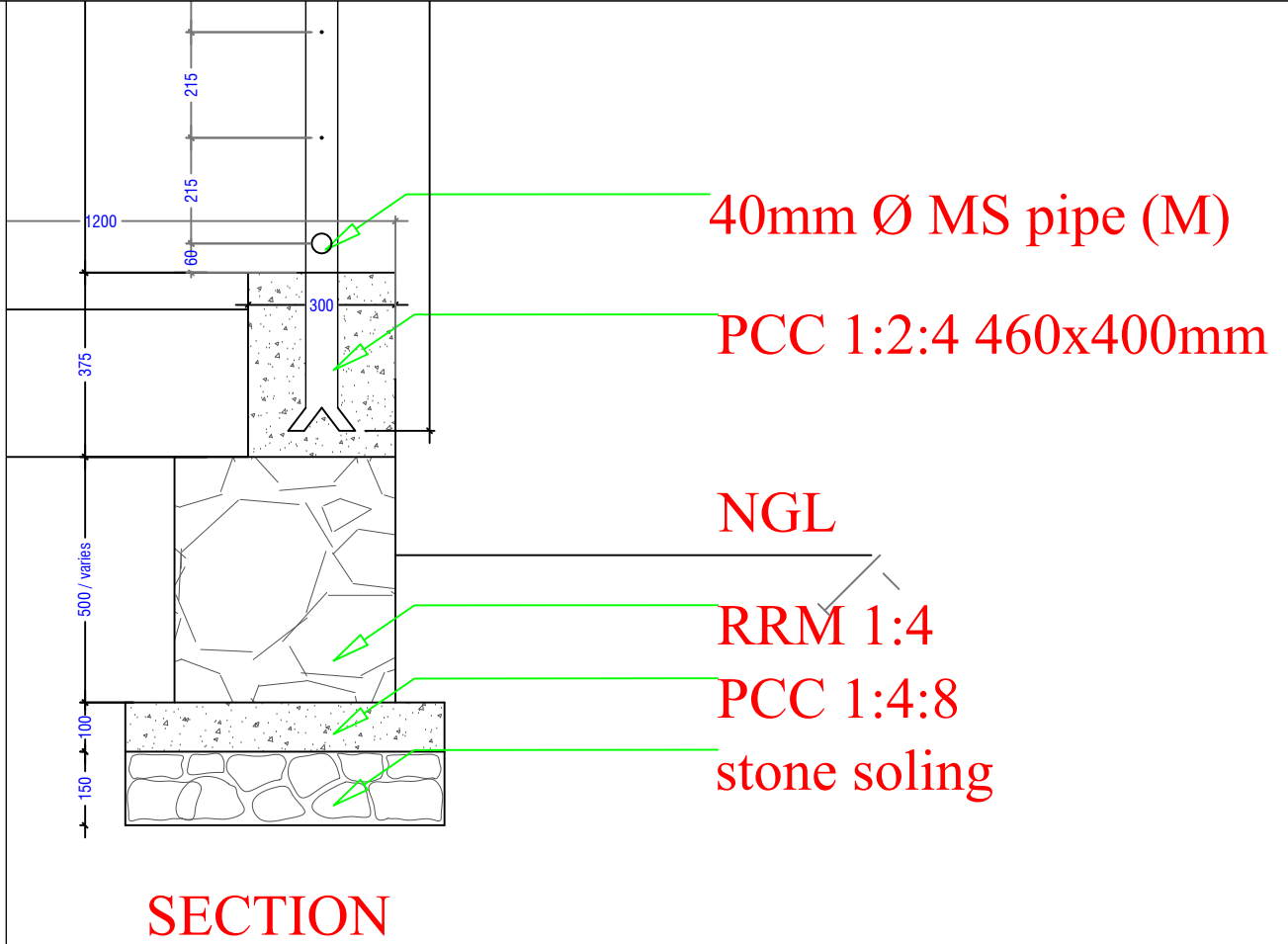
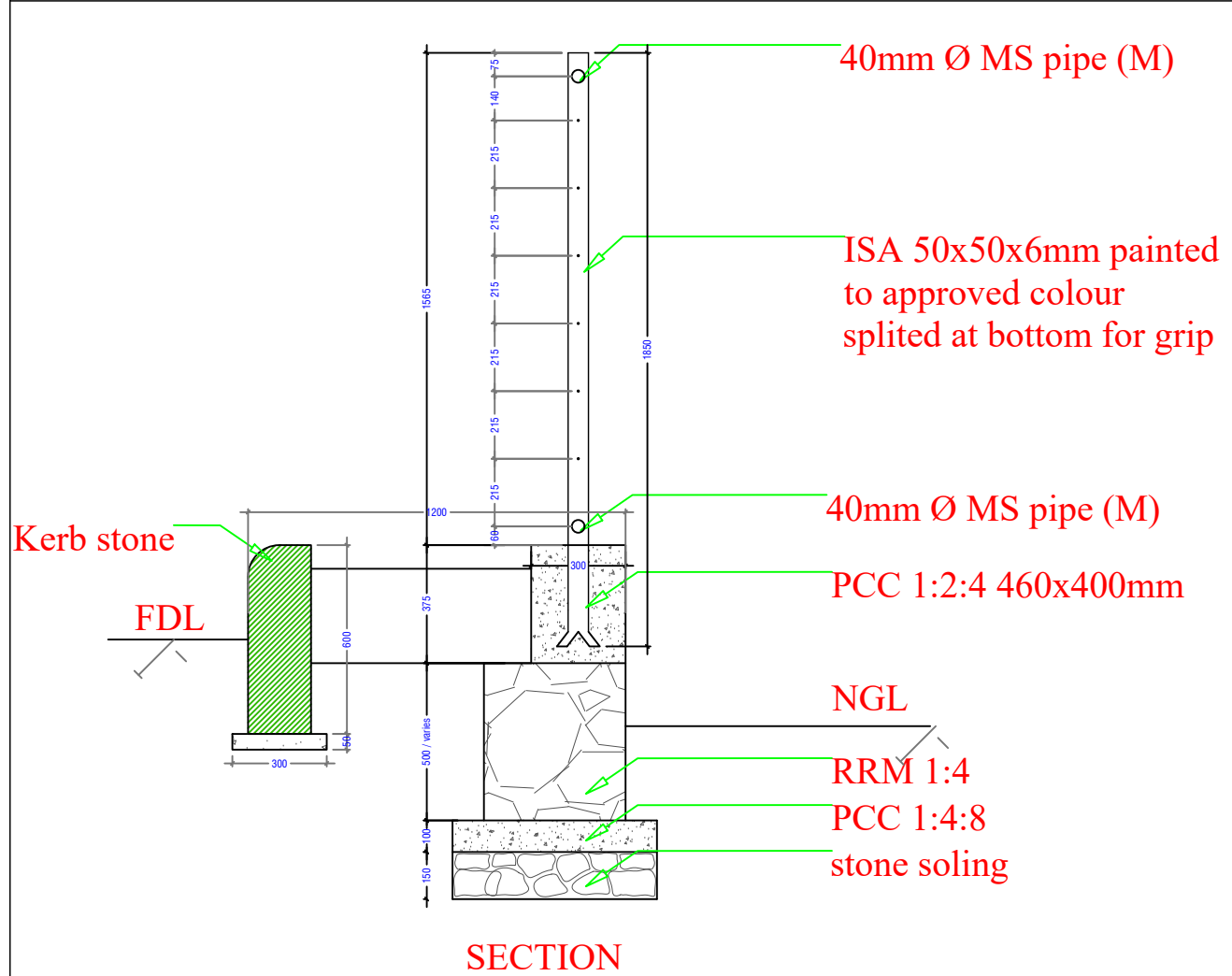
SCALE: NTS

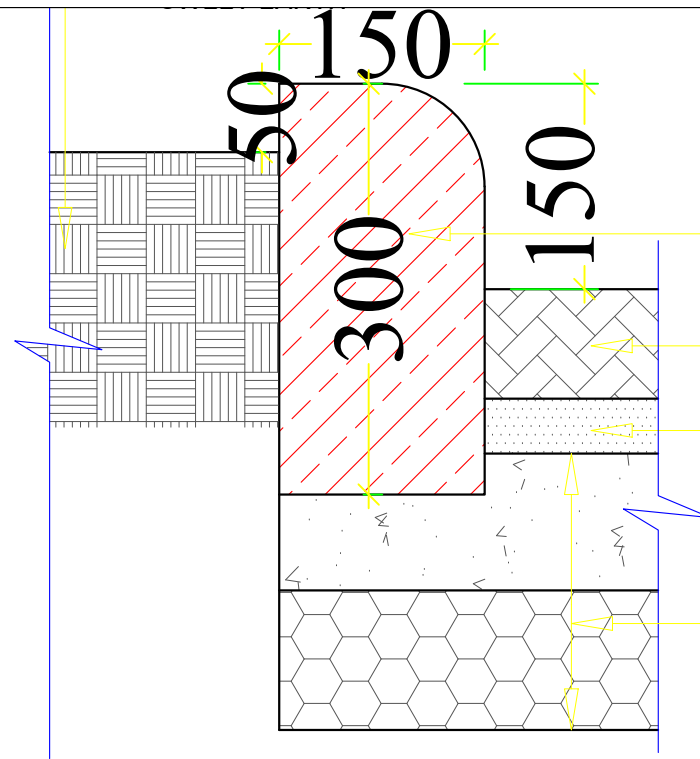
DRAWING SHEET NO : ST/28

REVISION SUFFIX NORTH

GENERAL NOTE:

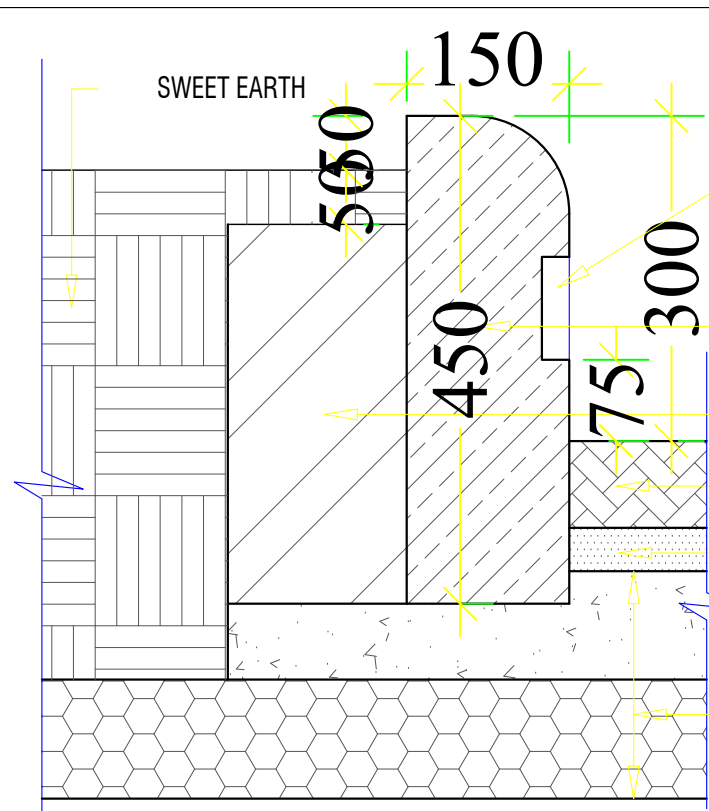
- ALL DIMENSIONS ARE IN METERS (FEET) UNLESS SPECIFIED OTHERWISE.
- ALL DIMENSIONS MEASURE UNFINISHED SURFACES UNLESS SPECIFIED OTHERWISE.
- ALL DIMENSIONS ARE TO BE READ AND NOT SCALE OFF.
- ANY DISCREPANCY IN DRAWING IS TO BE BROUGHT TO THE IMMEDIATE NOTICE OF THE ARCHITECT AND THE ENGINEER.





KERB STONE DETAIL AROUND

TYPICAL DETAIL 'C'
SCALE 1:50



KERB STONE DETAIL AROUND (D) AREA

TYPICAL DETAIL 'D'
SCALE 1:50

CAVITY WITH RETROREFLECTIVE
RED COLOR PAINT AT EVERY
1MT. (SIZE: 115X95X40)

PRECAST CONCRETE KERB
STONE

230MM BRICK WORK

80MM THK. WEDGE WOOD
UNIPAVER BLOCK

40MM THK. SAND BED

SOILING
AS/STRUCUTURE

PROJECT:

TITLE: FUEL RETAIL OUTLET
LOCATION: CHHUME BUMTHANG
OWNER: STCBL
PLOT ID: LCHU-6
CERTIFICATE NO: BUM-74-6
FLOORS: G+1 STRUCTURE



OWNER SIGNATURE

DESIGNED BY:

SUGAN PRADHAN
(GENERAL MANAGER, PETROLEUM
DIVISION)
CIVIL ENGINEER
STCBL, THIMPHU

DRAWING TITLE: KERB STONE & CHAMBER

STRUCTURAL DRAWING

DATE: APRIL 2021

SCALE: NTS

DRAWING

SHEET NO : ST/29

REVISION SUFFIX

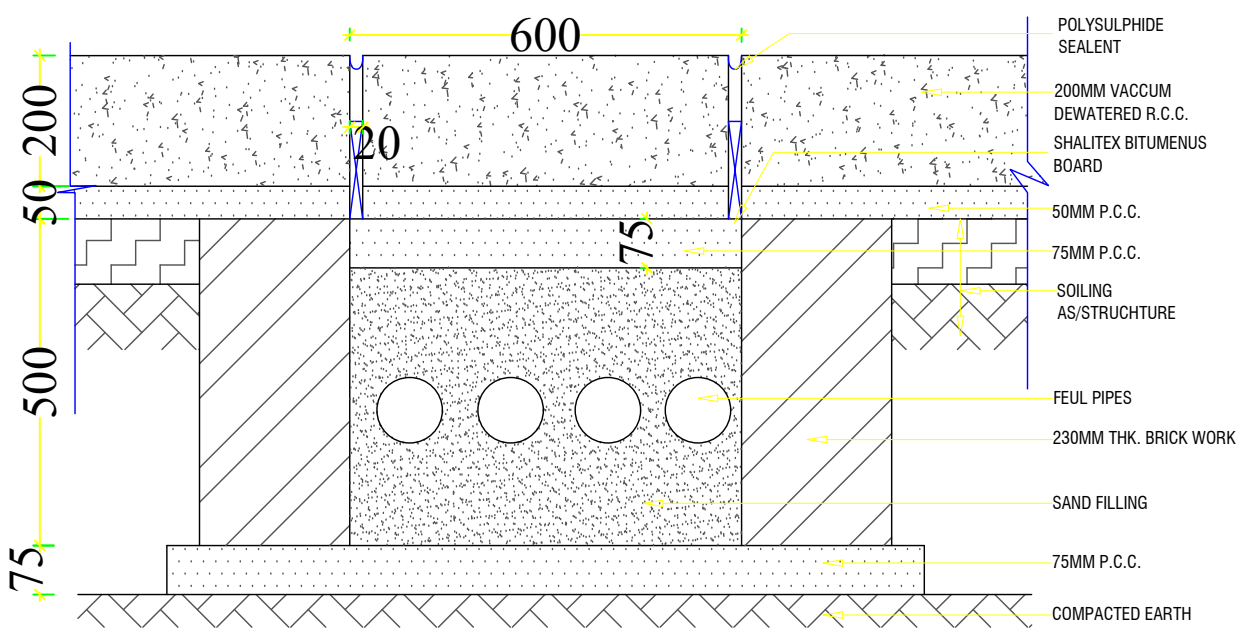
□ □ □ □ □

NORTH

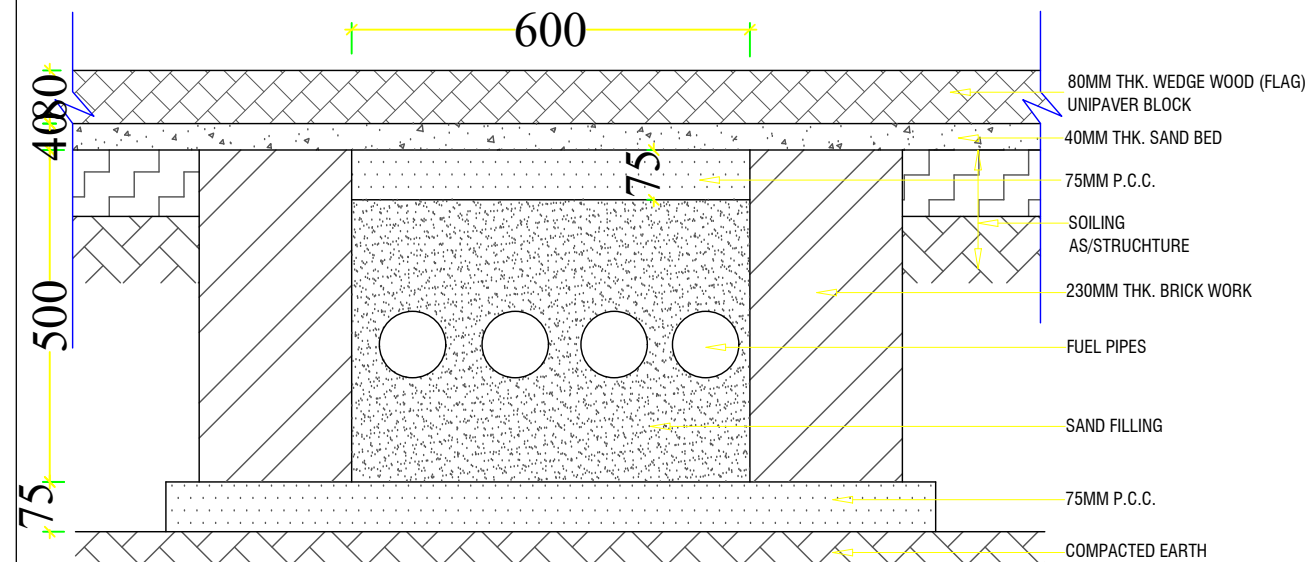


GENERAL NOTE:

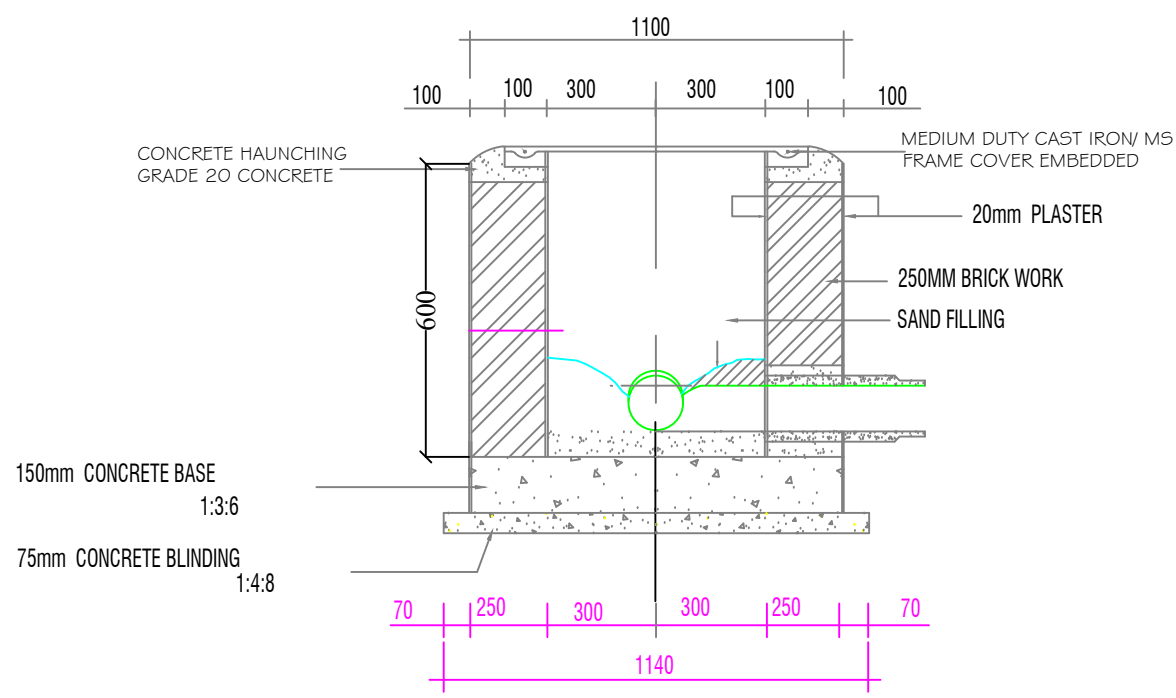
- ALL DIMENSIONS ARE IN METERS (FEET) UNLESS SPECIFIED OTHERWISE.
- ALL DIMENSIONS MEASURE UNFINISHED SURFACES UNLESS SPECIFIED OTHERWISE.
- ALL DIMENSIONS ARE TO BE READ AND NOT SCALE OFF.
- ANY DISCREPANCY IN DRAWING IS TO BE BROUGHT TO THE IMMEDIATE NOTICE OF THE ARCHITECT AND THE ENGINEER.



TYPICAL DETAIL 'A A'
SCALE 1:50



TYPICAL DETAIL 'B B'
SCALE 1:50



**600x600 I.C DETAILS
(FOR DEPTHS UP TO 1200 DEPTH)
SECTION A-A**

PROJECT:
TITLE: FUEL RETAIL OUTLET
LOCATION: CHHUME BUMTHANG
OWNER: STCBL
PLOT ID: LCHU-6
CERTIFICATE NO: BUM-74-6
FLOORS: G+1 STRUCTURE



OWNER SIGNATURE

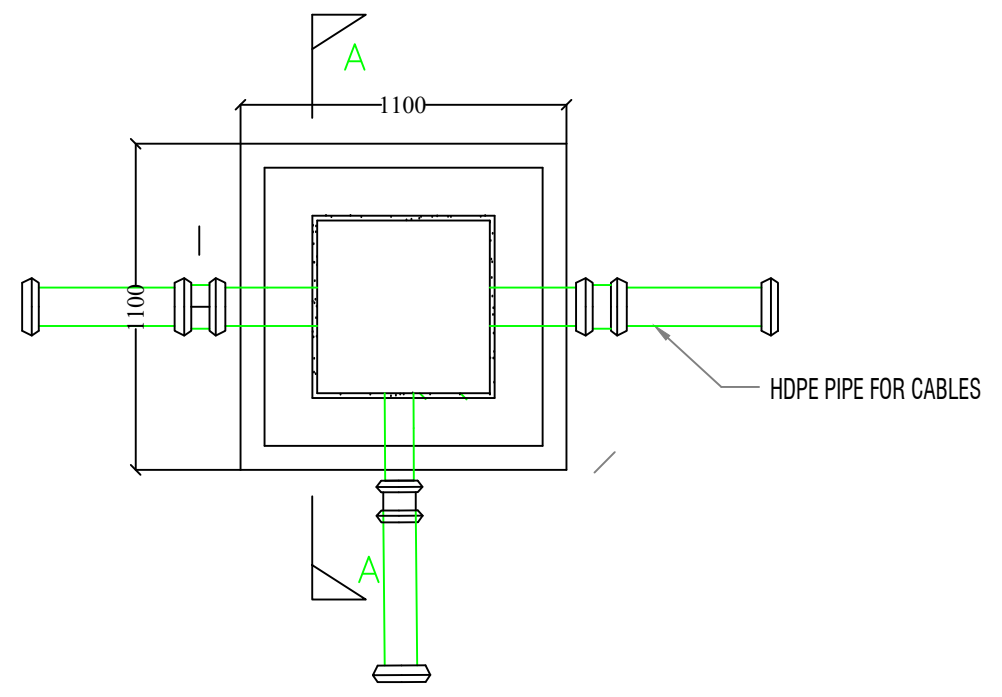
DESIGNED BY:
SUGAN PRADHAN
 (GENERAL MANAGER, PETROLEUM
 DIVISION)
 CIVIL ENGINEER
 STCBL, THIMPHU
DRAWING TITLE: CABLE CHAMBER

STRUCTURAL DRAWING

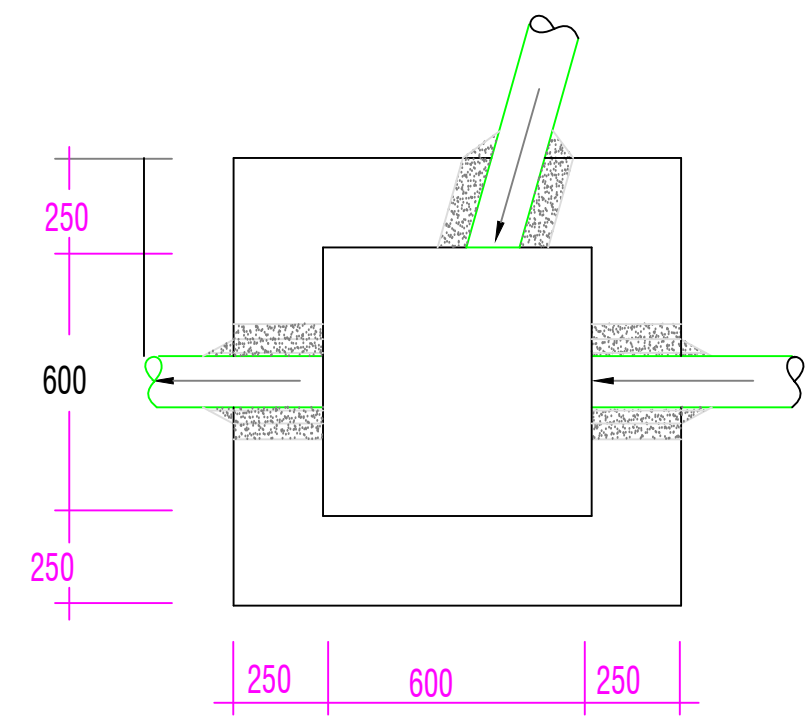
DATE: APRIL 2021
SCALE: NTS
DRAWING SHEET NO : ST/30

REVISION SUFFIX	NORTH
□ □ □ □ □	

- GENERAL NOTE:**
- ALL DIMENSIONS ARE IN METERS (FEET) 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.



TYPICAL CONN. DETAIL (FOR 600x600mm CABLE CHAMBER)



PROJECT:	
TITLE:	FUEL RETAIL OUTLET
LOCATION:	CHHUME BUMTHANG
OWNER:	STCBL
PLOT ID:	LCHU-6
CERTIFICATE NO:	BUM-74-6
FLOORS:	G+1 STRUCTURE



OWNER SIGNATURE

DESIGNED BY:
SUGAN PRADHAN
 (GENERAL MANAGER, PETROLEUM DIVISION)
 CIVIL ENGINEER
 STCBL, THIMPHU

DRAWING TITLE: YARD LIGHT DETAILS
STRUCTURAL DRAWING

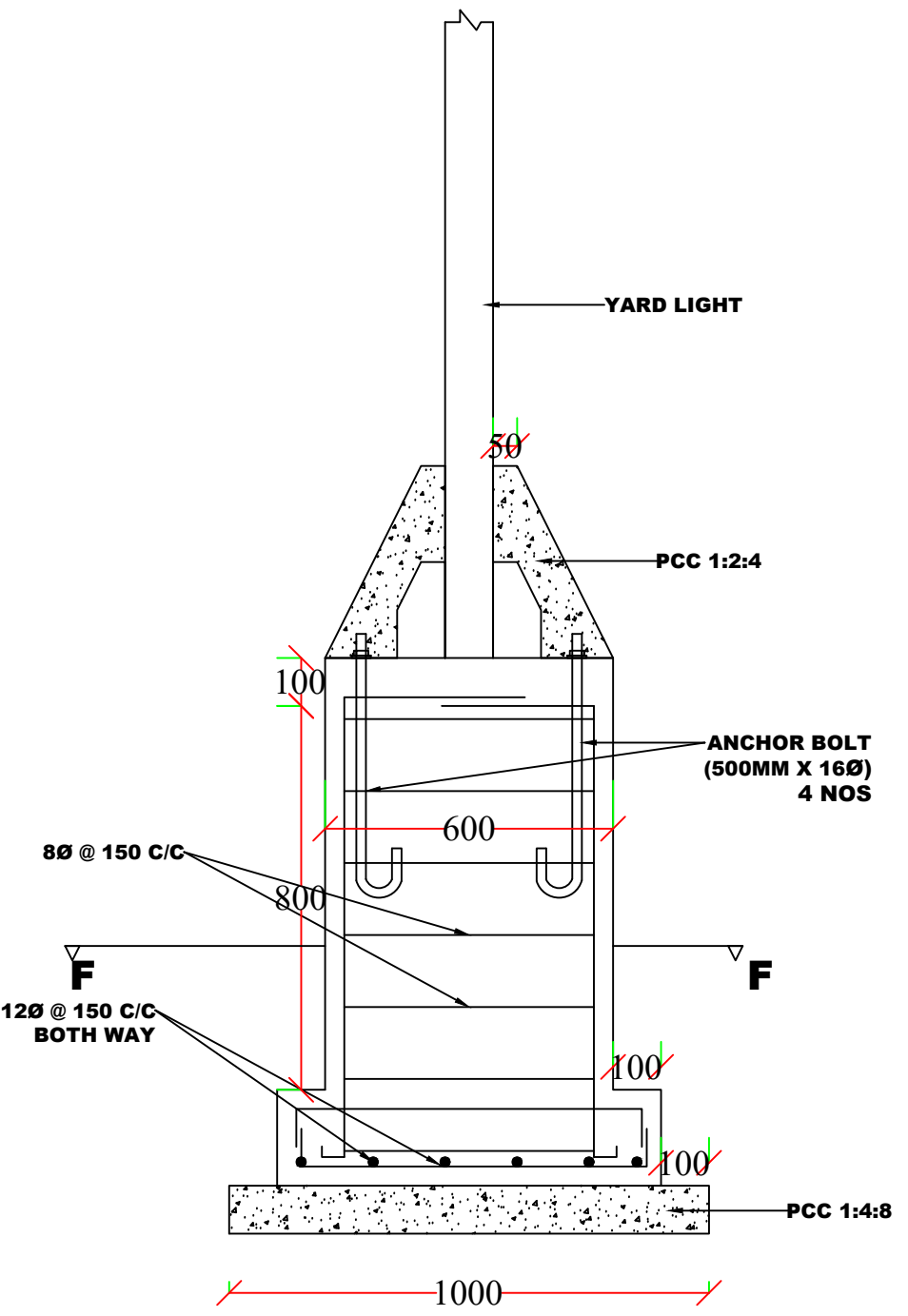
DATE: APRIL 2021

SCALE: NTS

DRAWING SHEET NO : ST/31

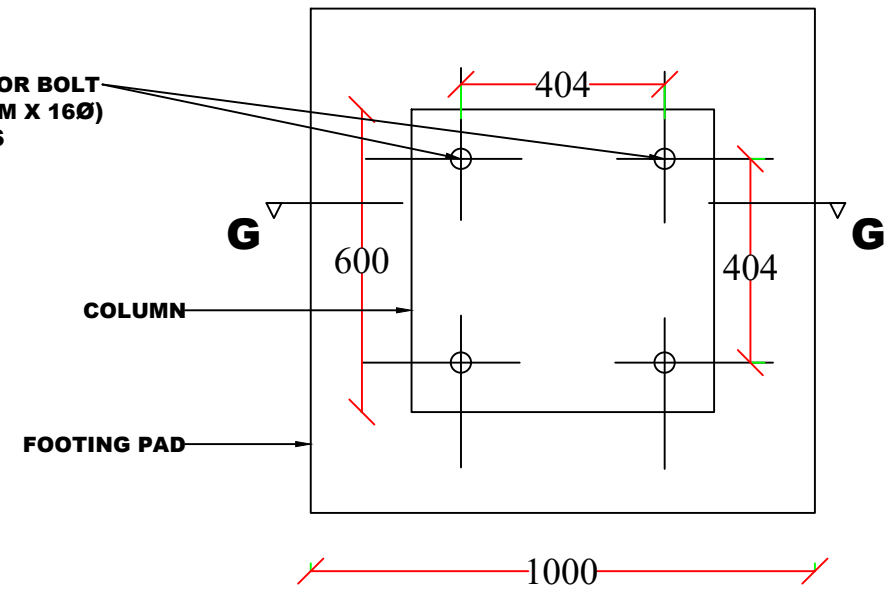
REVISION SUFFIX	NORTH
□ □ □ □ □	

- GENERAL NOTE:**
- ALL DIMENSIONS ARE IN METERS (FEET) 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.

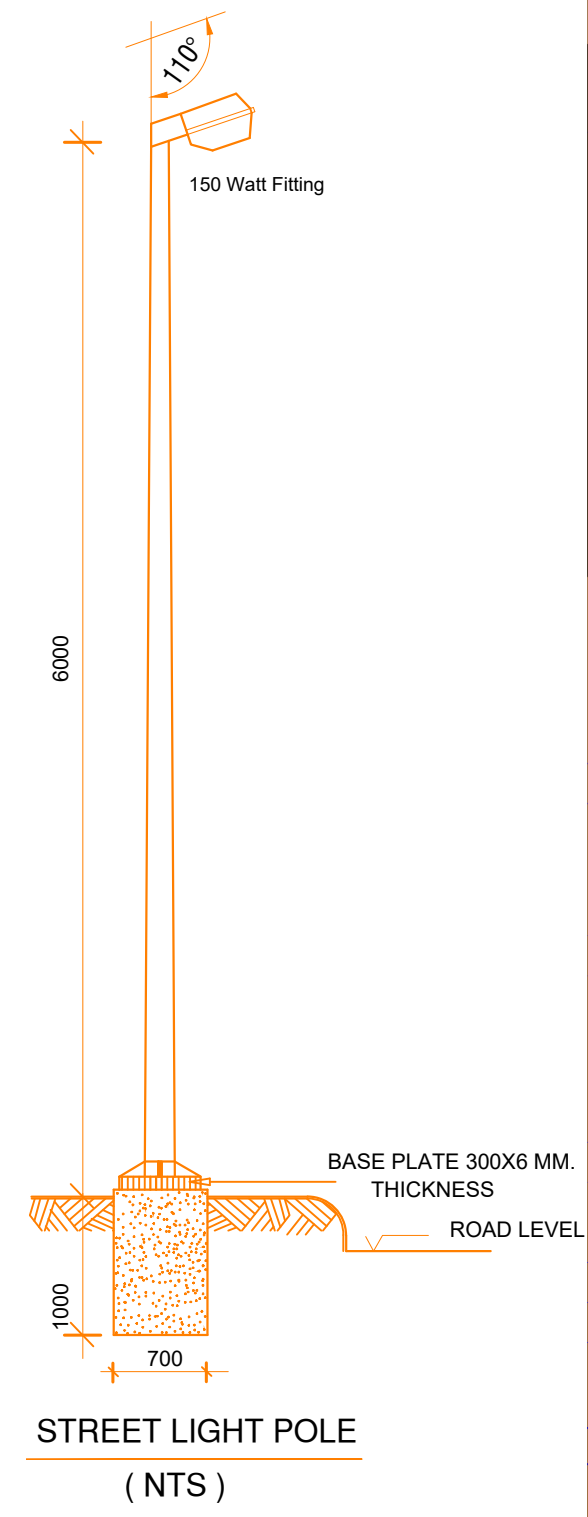


SECTION G-G

YARD LIGHT FOUNDATION

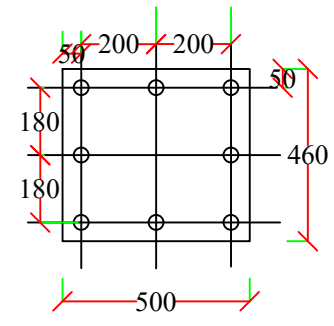


COLUMN SECTION F-F

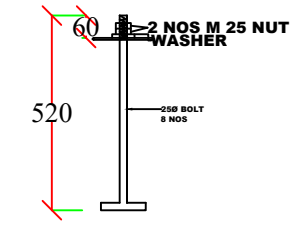


STREET LIGHT POLE (NTS)

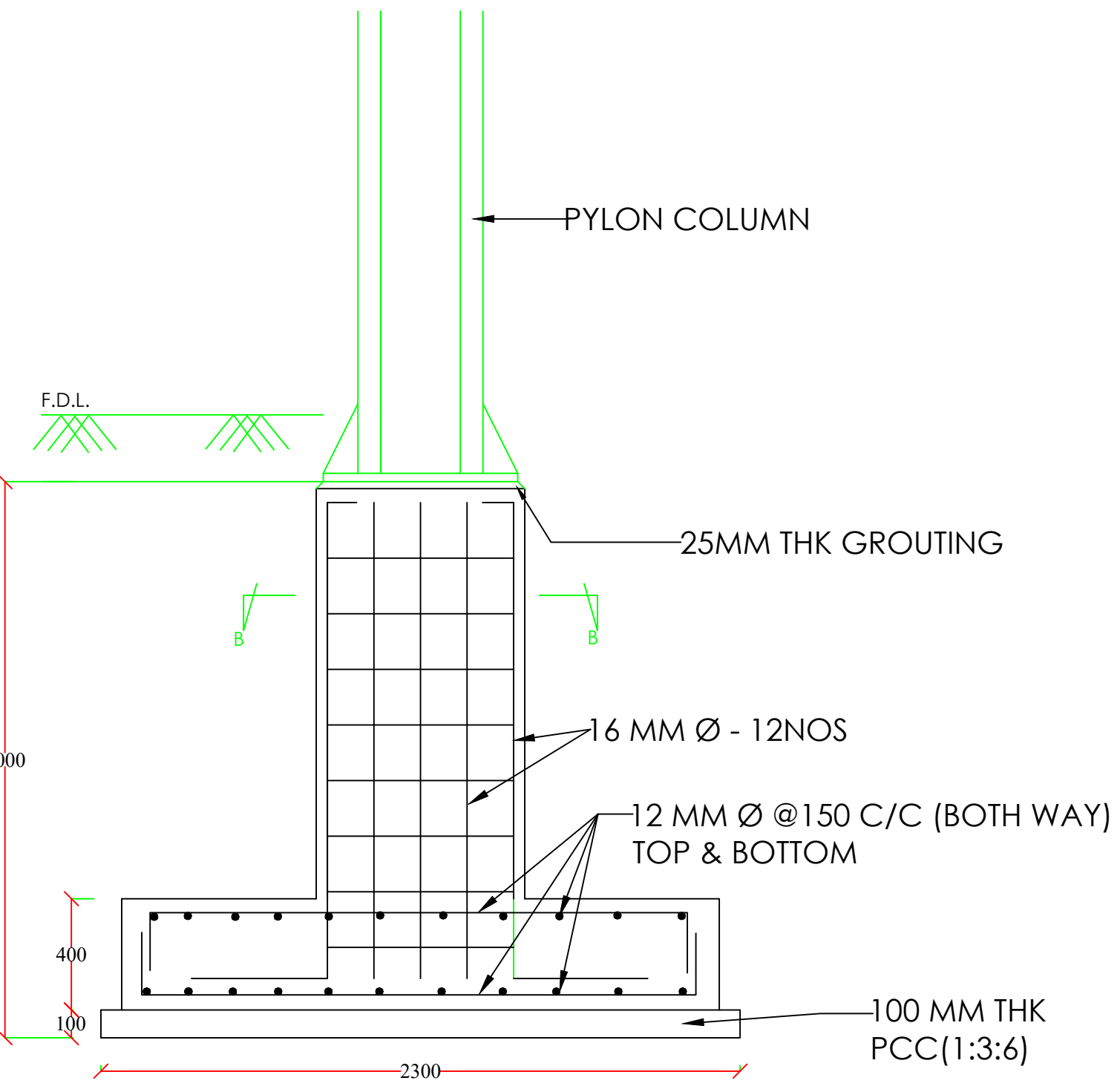
PROJECT:	
TITLE:	FUEL RETAIL OUTLET
LOCATION:	CHHUME BUMTHANG
OWNER:	STCBL
PLOT ID:	LCHU-6
CERTIFICATE NO:	BUM-74-6
FLOORS:	G+1 STRUCTURE



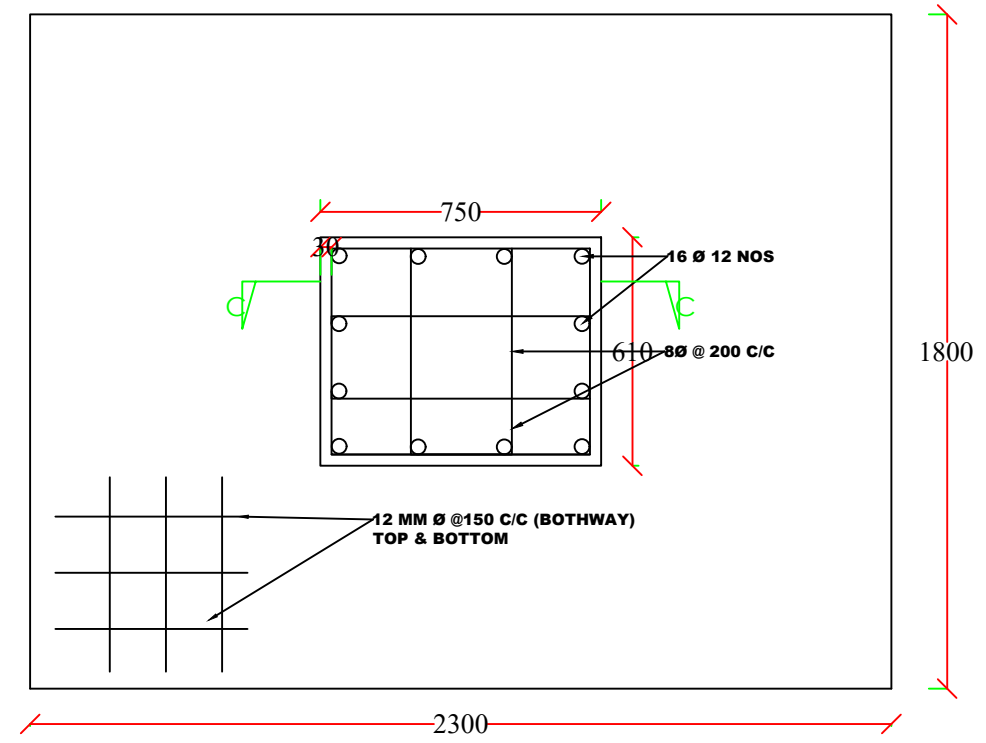
BASE PLATE



ANCHOR BOLT



SECTION C-C



SECTION B-B

PYLON FOUNDATION

OWNER SIGNATURE

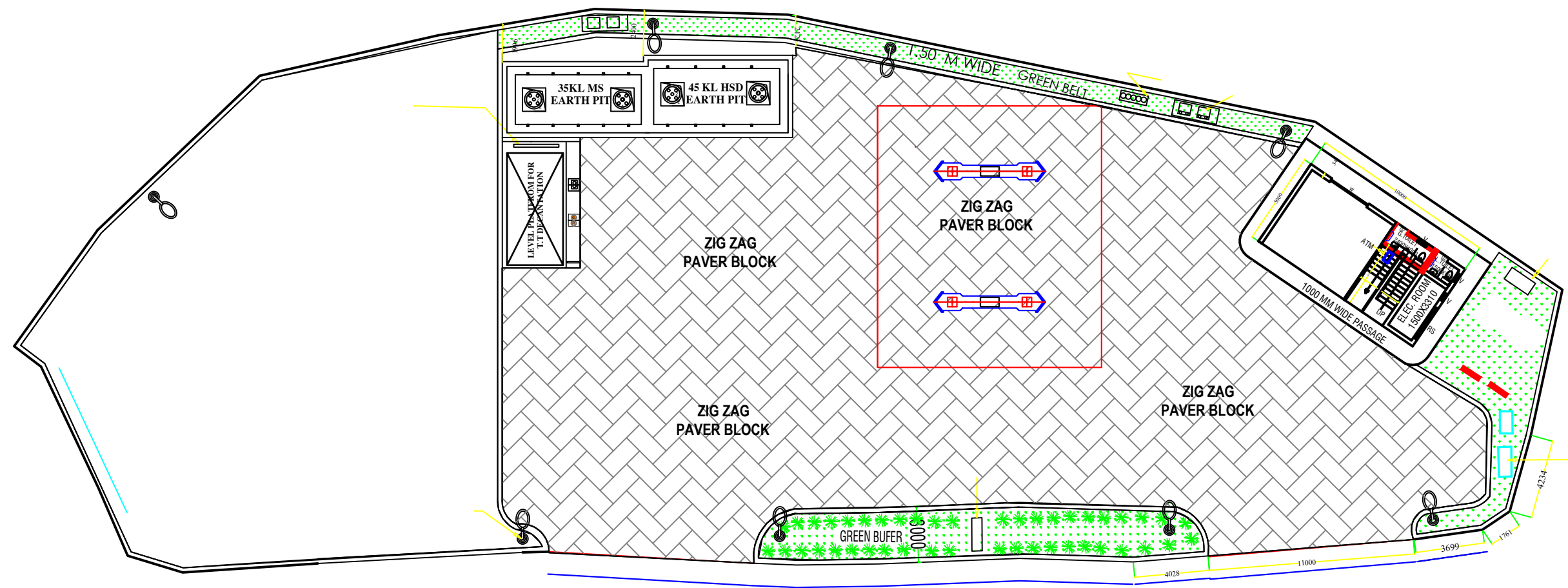
DESIGNED BY:
SUGAN PRADHAN
 (GENERAL MANAGER, PETROLEUM DIVISION)
 CIVIL ENGINEER
 STCBL, THIMPHU
DRAWING TITLE: PLYON FOUNDATION
STRUCTURAL DRAWING

DATE: APRIL 2021
SCALE: NTS
DRAWING SHEET NO : ST/32

REVISION SUFFIX	NORTH
□ □ □ □ □	

- GENERAL NOTE:**
- ALL DIMENSIONS ARE IN METERS (FEET) 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.

PROJECT:
TITLE: FUEL RETAIL OUTLET
LOCATION: CHHUME BUMTHANG
OWNER: STCBL
PLOT ID: LCHU-6
CERTIFICATE NO: BUM-74-6
FLOORS: G+1 STRUCTURE



PAVERBLOCK LAYOUT

OWNER SIGNATURE

DESIGNED BY:
SUGAN PRADHAN
 (GENERAL MANAGER, PETROLEUM DIVISION)
 CIVIL ENGINEER
 STCBL, THIMPHU

DRAWING TITLE: PAVERBLOCKS LAYOUT
STRUCTURAL DRAWING

DATE: APRIL 2021
SCALE: NTS
DRAWING SHEET NO : ST/33

REVISION SUFFIX	NORTH
□ □ □ □ □	

- GENERAL NOTE:**
- ALL DIMENSIONS ARE IN METERS (FEET) 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.