



CENTRE FOR NANO AND SOFT MATTER SCIENCES

Prof. U.R. Rao Road, Jalahalli, BENGALURU 560 013.

Autonomous Institution under the Dept. of Science & Technology, Govt. of India

REQUEST FOR QUOTATION

CeNS/2020-21/Admin-WO -

Date: 29 December 2020

The Centre invites sealed Quotation for the following item of work.

Sl. No	Description of Item
1)	PEB Structure for Bay Lab at CeNS Arkavathi Campus Shivanapura Detailed specification with (BOQ) Billing of quantities along with drawings is enclosed.

Note:

- (a) The sealed quotation should be submitted on or before 6th January 2021 by 3.00PM through Speed Post / Courier / Registered Post / Drop Box kept in CeNS Jalahalli Campus.
- (b) The quotation should be addressed to the **Administration and Finance Officer**, Centre for Nano and Soft Matter Sciences, PB No: 1329, Prof. U.R Rao Road, Jalahalli, Bangalore-560013.
The same should be accompanied with and Earnest Money Deposit of Rs.75,000/- through SBI Collect (link : onlinesbi.com/sbicollect). Procedure for paying through SBI Collect: - Please Select State: Karnataka/Type: Govt. Department/ Name: Centre for Nano and Soft Matter Sciences/Category: MISC Fee/ Purpose : Earnest Money Deposit. The EMD will be refunded to unsuccessful bidders without any interest thereon. A copy of the SBI Collect receipt should be attached with the quotation in proof of remittance of EMD.
- (c) Discount if any should be clearly mentioned.
- (d) Taxes & duties should be separately shown.
- (e) The quoted price should be valid for a minimum period of **3 months** from the date of issue.
- (f) Payment in of 100% of the invoice value shall be made through NEFT/RTGS after successful completion of the work. Complete details such as the bank account number/IFSC/SWIFT/Bank Address, etc. should be provided.
- (g) The Centre reserves the right to accept or reject any quotation or part thereof without assigning any reasons.
Sealed envelopes containing the quotation should be superscripted with "Quotation for PEB Structure for Bay Lab at CeNS Arkavathi Campus Shivanapura".
- (h) Quotation received after the due date shall not be considered.
- (i) Statutory deductions such as TDS 2% on GST and 2% IT shall be made.
- (j) 5.5% FSD will be deducted wherever applicable.
- (k) Period of completion: 20days from the date of work order.

Yours sincerely

Sd/-

Administrative & Finance
Officer

CENTRE FOR NANO AND SOFT MATTER SCIENCES U.R. Rao Road, Jalahalli, Bengaluru 560 013.		Prof.
1	Name of the firm	
2	Postal Address	
3	Phone No	
4	Mobile No	
5	Names(s) of the Proprietor / Partners	
6	GST Reg No	
7	PAN	
	<u>Bank Account details</u>	
8	Beneficiary Name	
9	Name of Bank	
10	Branch	
11	IFSC	
12	Details of EMD Payment.	
13	Ref UTR No <i>(please attach copy of remittance)</i>	

Seal and Signature

The following items should be from the brands indicated against each while quoting prize.

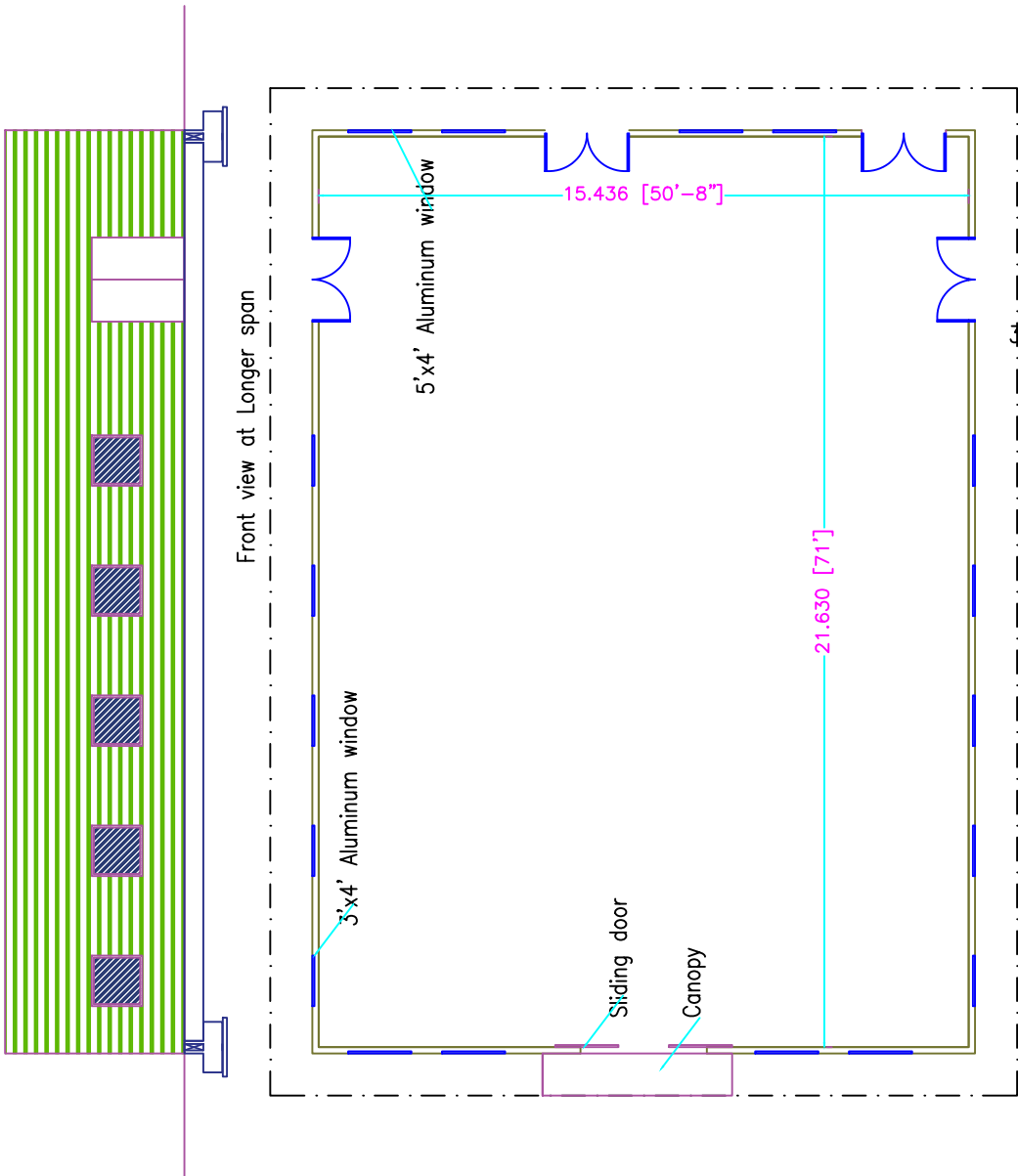
Sino	Description of materials	Approved Make
1	MS steel,Plate	Jindal / Apollo
2	GI Sheet,Puff panels.	JSW / Alfa/Metecon
3	Aliminium sections	Jindal/Hindalco/Bhoruka
4	Glass	Saint Gobain/Modi float/Asahi

BOQ :-PEB Structure for Bay Lab at CeNS Arkavathi Campus Shivanapura

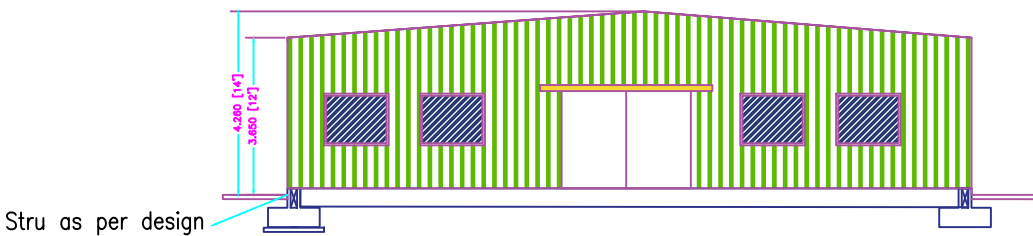
Slno	Description	Specification	Units	Qty	Rate	Amount	Remarks
1.00	Structural steel	Fabrication supplying and erecting M.S PEB Structure using rolled sections, plates/sheets, rods, bars, flats,cleats,Foundation bolts, braced rods,purlines etc of all spans as per approved drawing and design Welding shall confirm to latest structural welding code.(Welding shall be done using low hydrogen electrodes E - 7018 of ESAB or approved equivalent) The work includes cutting,straightening,placing in position of M.S members and welding wherever necessary and applying two coats of enamel paint of approved shade over a coat of zinc phosphate(primer coat) to all the members including cost of all materials,labour charges, wastage, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, etc complete as per Drawings and specification.	Kgs	10,500.00			
2.00	GI Sheet Roof	PROVIDING TRAPEZOIDAL PROFILED SHEET for roof Providing and installing of pre painted Galvalume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters, channels and trusses. including cost of lapping.	Sqm	360.00			
3.00	30mm thick Puff Wall Cladding	Providing, fabricating and fixing 30mm thick polyurethane insulated panels for walls of required size, sheet of 0.4mm thickness at external and 0.35mm thickness at internal surface with powder coated finish. The system shall have water proof over lapping arrangement at the inter section of two sheets the fasting shall be of self tapping screws dia 6.3mm or required length with PVC head along with washer pre-painted aluminium cap unit with build in seal arrangements. The entire area shall be firmly fasteed to the existing channels and trusses.	Sqm	223.00			

SIno	Description	Specification	Units	Qty	Rate	Amount	Remarks
4.00	Accessories/Flashing	Providing and installing of approved make pre painted Galvalume iron Accessories, like, plain, ridges, plain gutter, plain flashing, corner Trim, flashings, ridge, L, Corner, Drip, Barge, gable ended trim etc. The total coated thickness (TCT) of the sheet shall be 0.47 mm +/- 0.02 tolerance mm Zinc-Alu Alloy coating AZ 150 gsm as per ASTM 1397/755 -550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling / self tapping screws of 25 mm length. (width upto 500-600 mm only), to be fixed over the existing purlins, rafters, channels and trusses.	Rmt	150.00			
5.00	Sky Light	Supplying and fixing polycarbonate sheets opal white (SABIC INNOVATIVE PLASTICS or approved equivalent) of 2mm thick formed in same profile as roof sheet as daylight panels fixed with self drilling self tapping screws of HILTI make including sealing of Joint between roof sheet and polycarbonate sheet, end lap (200 mm), side lap etc with approved sealing compound (silicon sealant), GI safety mesh 1.6mm of size 10 mm X 10 mm below the sheets with suitable framework for fixing to the purlins, fixtures and all materials and measures to complete the job on kerbed openings or otherwise. (The sample of sheet to be furnished for approval of consultant prior to proceeding the work) Daylight area only shall be measured for payment.	Sqm	20.00			
6.00	Sky Light	Providing and fixing wind operated turbo ventilator along with suitable base in FRP matching to the roofing profile. Necessary flashings to make the interface between the sheet and the turbo base should be considered of 600mm throat dia.	Nos	2.00			

Slno	Description	Specification	Units	Qty	Rate	Amount	Remarks
7.00	Aluminium Window	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window with Mosquito Mesh frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m. shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenoned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar.using aluminium section anodized to 12 - 15 microns	Sqm	30.00			
8.00	MS Door	Providing and fixing 1mm thick M.S. sheet garage door with frame and diagonal braces of size 40x40x6 mm angle Iron, 3.15mm thick M.S. Gusset plates at the junctions and corners, with handles, stoppers and locking arrangements etc., including applying a priming coat of red lead paint cost of materials, labour, HOM of machinery complete as per specifications. Double leaf door.	Sqm	20.00			
		Total					
		Add GST @ 18%					
		Grand Total					



- | Area-70'x50'=3500sft
- | Main door -10'x8' Sliding
- | 3Track aluminium window -3'x4' 10nos
- | 3Track aluminium window -5'x4' 8nos
- | MS door -7'x6' 4nos
- | MS work as [per stru design



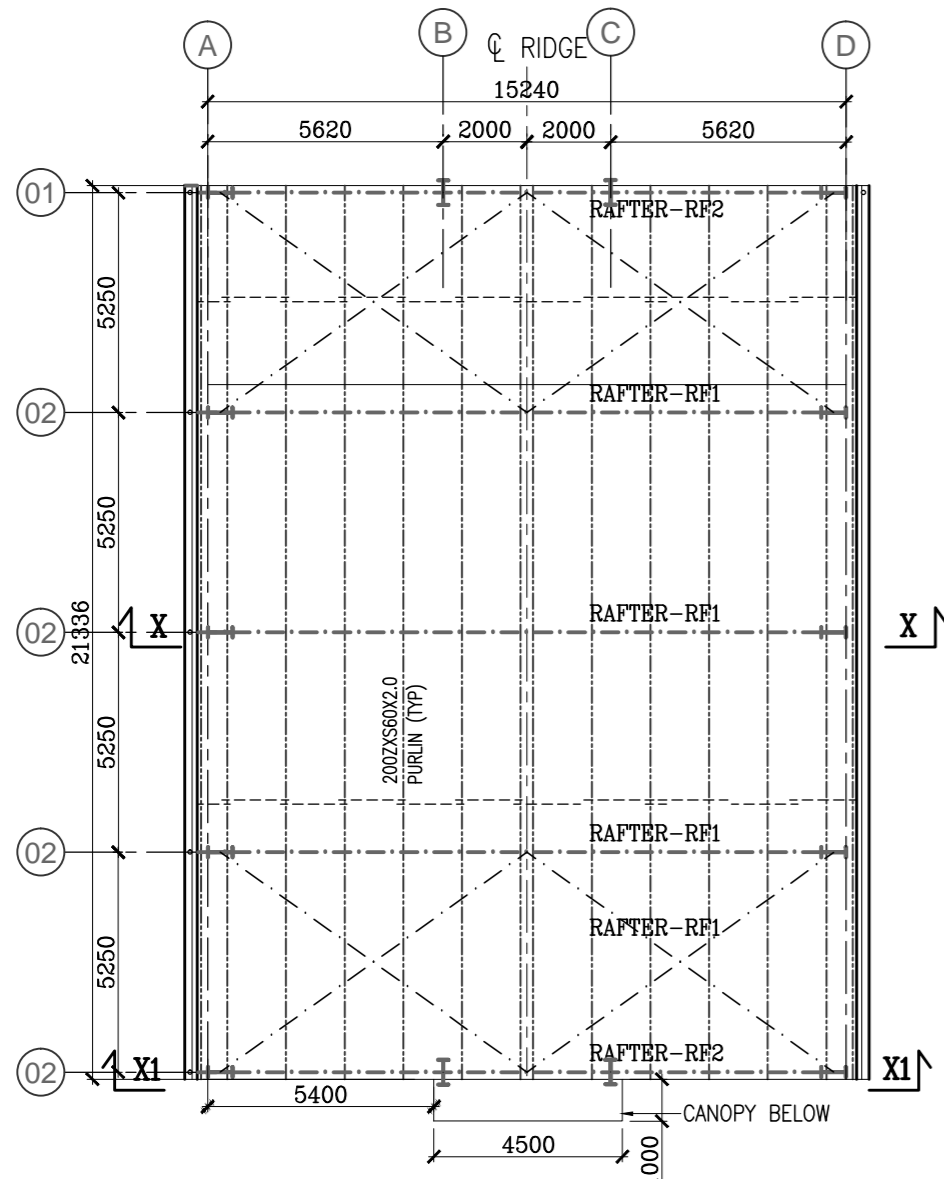
Elevation at shorter span

NOTE:

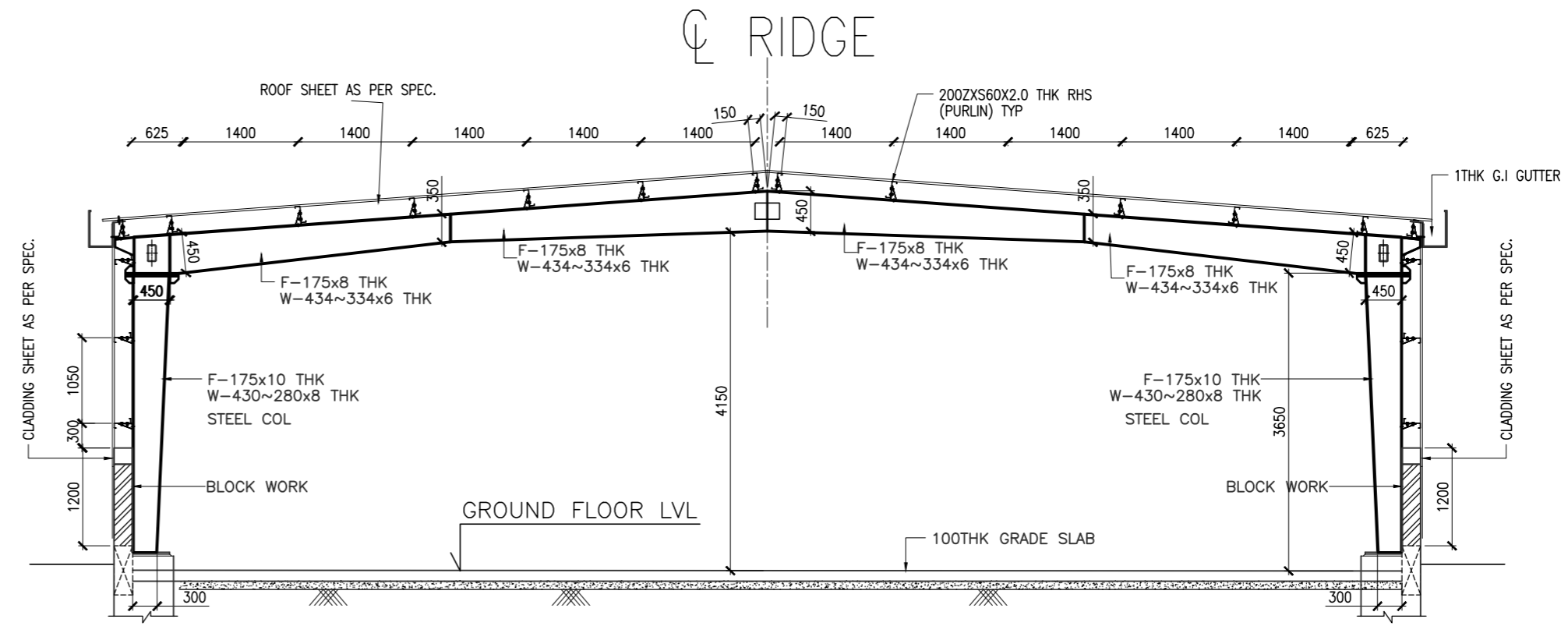
1. ALL DIMENSIONS ARE IN MM
2. FOLLOW ONLY WRITTEN DIMENSIONS. DO NOT SCALE THE DRAWING
3. ALL STEEL SHALL CONFORM TO IS:800
4. ALL STRUCTURAL STEEL RECEIVED AT SITE TO BE TESTED AND TO BE CERTIFIED BY CONSULTANTS BEFORE ERECTION.
5. ALL WELDS ARE FILLET WELD & ARE 4MM AND MINIMUM WELD LENGTH SHOULD BE 125mm UNLESS OTHERWISE MENTIONED
6. FABRICATED STRUCTURE SHALL BE INSPECTED BY CONSULTANTS BEFORE ERECTION.
7. ALL STEEL SHALL BE TREATED WITH ZINC CHROMATE PRIMER & ANTI-CORROSIVE PAINTS
8. REQUIRED STAGING / SUPPORT SYSTEMS TO BE PROVIDED DURING EXECUTION.
9. ALL BOLTS ARE M.S. BOLTS OF GRADE 8.8 UNLESS OTHERWISE SPECIFIED
10. ALL UNSPECIFIED HOLES ARE #18 MM

LEGEND :

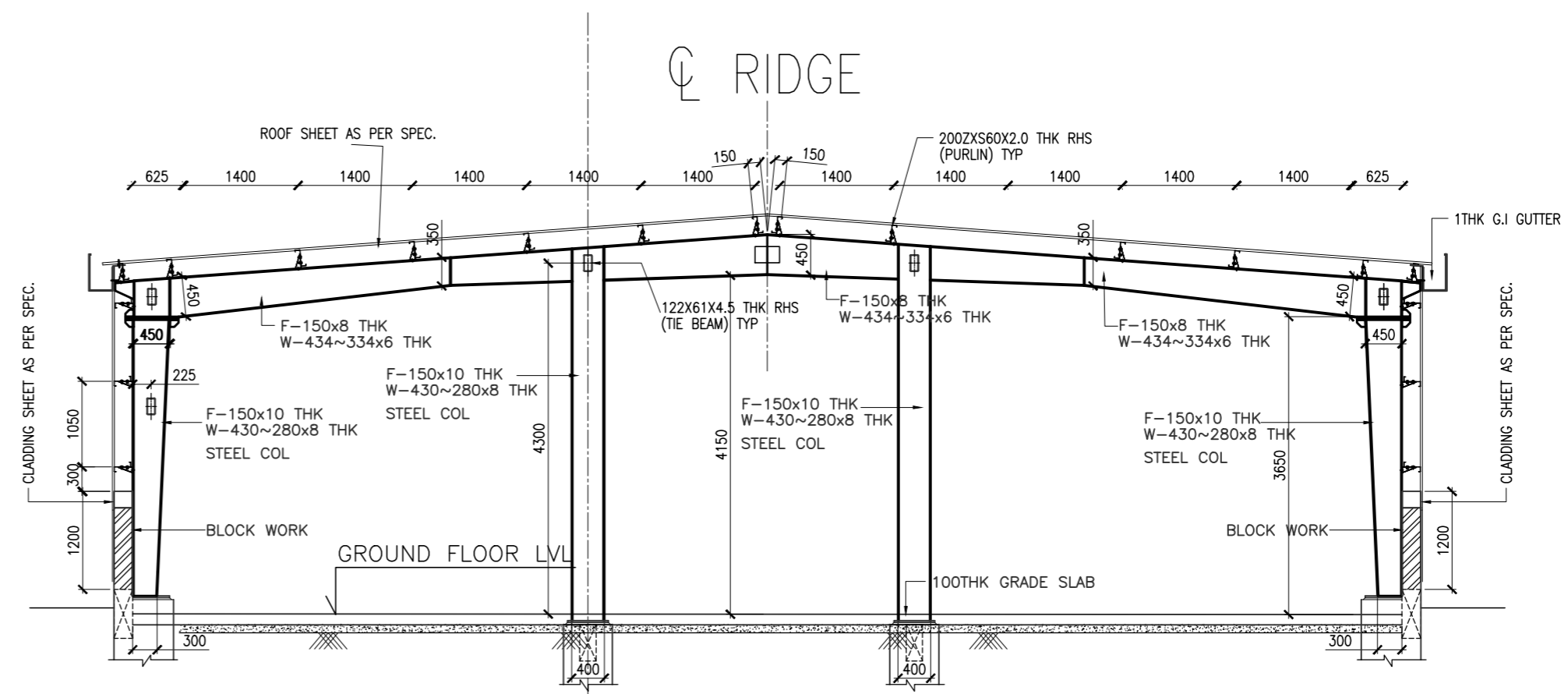
- 'TYP' ----- DENOTES TYPICAL
- 'LVL' ----- DENOTES LEVEL
- 'BP' ----- DENOTES BASEE PLATE
- 'PL' ----- DENOTES PLATE
- 'LG' ----- DENOTES LONG
- DENOTES FILLET WELD
- DENOTES FILLET WELD ALLROUND
- DENOTES FILLET, SITE WELD



ROOF PURLIN AND RAFTER LAYOUT
PLAN BRACING-B80x80x4.0 SHS (-75mm FROM TOP OF RAFTER FLANGE)



SECTION X-X
TYPICAL RAFTER-RF1 SECTION



SECTION X1-X1
TYPICAL RAFTER-RF2 SECTION

TENDER DRAWING

REV.	DATE	DESCRIPTION	CHECKED
PROJECT:		PROPOSED STEEL ROOF FOR CHEMICAL STORE at Arkavathi Campus at Shivamogga	
CLIENT:		CENTER FOR NANO AND SOFT MATTER SCIENCES Prof. U. R. Rao Road, Jalahalli, BENGALURU-560 013 Autonomous Institution under Dept. of Science & Technology, Govt. of India	
PROJECT CONSULTANTS:		BUILDTech ENGINEERING CONSULTANTS #89 9th A main RPC layout Vijayanagar Bangalore-560040 Ph No.: +91 9916301524	
CONTRACTOR:			
TITLE: ROOF LAYOUT AND SECTION			
DRAWN:	wv	JOB.NO	DRAWING NO.
CHECKED:	wv	SCALE	1:125,50
		DATE	29-12-20
			S-01
			REV. TO