



**Tender Document for
Construction of – Training Hall & Dormitory
(PEB Structure)
in Debari Village Udaipur District, Rajasthan**

BAIF INSTITUTE FOR SUSTAINABLE LIVELIHOODS DEVELOPMENT, Rajasthan
BAIF Bhawan G-Block, Hiran Magri, Sect.14, Udaipur (Raj.) 313001
Contact Number- 8058880100,9411380622,7014187384,



Tender Document

The duly sealed & signed Tender is invited in a sealed envelope till 18-12-24 at our State head office – BAIF Bhawan, G-Block, Hiran Magri, Sect.14, Udaipur (Raj.) 313001. The each page of the tender document must be sealed and signed. Your signature on the Tender document will be considered as your confirmation that you have read and accepted all the conditions laid down in the documents. Along with the tender document the DD/cheque of earnest money must be submitted. Tender will not be accepted without earnest money. The tender will not be accepted after closing the time of submission as mentioned above. Before submitting a tender, the tenderer shall also inspect the site of the work and acquaint him with the local conditions, means of access to the site of work, nature of work, and all other matters pertaining thereto. The tenderer will be deemed to have satisfied himself by actual inspection of the site and the locality of the works.

Name of work: Training Hall, Dormitory & Security/Labour Room

Location: In the villages of SAMADHAN Project Debari Cluster Udaipur District,

Detail of work: As per BOQ (Annexure1) enclosed here-with in a separate sheet.

Work Period: Work must be completed within 20th February 2025

Term & conditions:

1. The contractor must have their registration, GST registration, and PAN. The duly signed copy of each document shall be submitted along with the tender.
2. Earnest money (5% of Tender value) shall be submitted along with tender through DD/cheque in favour of **"BAIF INSTITUTE FOR SUSTAINABLE LIVELIHOODS DEVELOPMENT, Rajasthan" BISLD-Rajasthan** Payable at Udaipur.
3. Tender will not be accepted without earnest money. The Earnest Money will be returned to unsuccessful tenderers within reasonable time. The Earnest Money deposited by successful tenderer(s) will be retained towards the Security Deposit.
4. **Defect liability period / Maintenance period:** The maintenance period will be of 12 months for each unit from date of satisfactory completion of work. In case, if defects found after completion of work, the contractor shall immediately repair the defects free of cost up to 12 months after completion of work. Contractor shall not claim any amount for repairing work.
5. **Penalty for delay in completion of work:** The organization may impose penalty for delay in completion of work except in case of natural calamities and law & order disturbances. The penalty amount shall be Rs. 500.00 per day. Tenderer must agree for bearing penalty amount for delay in completion of work.
6. Mention the rate of each items of work in given BOQ sheet. Refer Annexure 1 given herewith.
7. The rates offered by the Bidder/ Tenderer will be inclusive of all Taxes, license fee, Royalty, Octroi etc. labour and construction Materials, all Tools & Plants, water & power required for satisfactory completion of the work.



8. In case of any mis-happening, injuries or damaged occurred at site, it will be responsibility of the Contractor.
9. Mention clearly that the rates are including GST or excluding GST and mention GST rate in %.
10. The organisation reserves the right to change or amend the drawing as and when necessary and shall be notified in advance.
11. All works will be paid on the basis of actual measurements taken at site by our Engineer after satisfactory work completion.
12. The organization has the power to decide whether to accept a tender or not. They don't have to choose the cheapest one or give any reasons for rejecting a tender. Tenderers can't demand an explanation for why their tender was rejected.
13. The competent authority of the organisation for the acceptance of the tender reserves the right to divide the tender amongst more than one tenderer, if deemed necessary.
14. Minimum 2 or 3 years of Experience in PEB Constriction.
15. Please send your Tender (rates) on the BOQ Sheet given herewith as an annexure.
16. After finalization of the tender The L1 Party would Provide us a 3D Design of the Training hall building before starting the work.
17. The Work cannot be subcontracted. In such cases, the contract will be terminated and Earnest's money will be forfeited.
18. The BILSD Rajasthan reserves all the rights.

1. Specification of work:

As specified in BOQ and sample must be approved by site engineer.

1. **Schedule of payments:**

None of the advance payment shall be made. The payment will be made after satisfactory completion of the work as per BOQ. Bill will be made after completion of Earthwork, compaction, and dressing of Training Hall & Dormitory construction as per actual measurements taken by our Engineer.

Please submit the Tender in a sealed envelope in the below-mentioned address below and you can also send a scanned copy through Mail. (tender.bisldrajasthan@baif.org.in)

To,
Chief Programme Executive
BAIF Bhawan, G-Block, Hiran Magri, Sect.14
Udaipur (Raj.) 313001
Ph .No - 8058880100,9411380622

For BAIF INSTITUTE FOR SUSTAINABLE LIVELIHOODS DEVELOPMENT, Rajasthan



Annexure I

Document Titel :- BOQ FOR CONSTRUCTION OF TRAINING HALL AT BAIF UDAIPUR

Client	BAIF
Project No.	2024-2025
Made	
Rev.	R0
Date	24-11-2024

Sr. No.	Item No.	Description	Unit	Rate	TRAINING HALL	
					Qty.	Amount (INR)
		General Note :-				
	1	QRO -- Quote Rate Only.				
	2	Contractor to quote all the rates for all the sections even if the quantity is not given but QRO is mentioned for item description.				
	3	Basic Rate of capital material given below indicates cost of material at shop, including loading, unloading at site etc. Excluding GST, Transportation. Variation shall be adjusted [+/-] without over heads & profits, after the prior approval from the Owner/Owner's representative after the duration of the Project.				
	4	Wherever basic rates are indicated contractor should submit minimum 3 quotes in payment basis for Owner/Owner's representative approval.				
	5	<i>BOQ shall be followed for method of measurement. In case BOQ is silent, technical specification will be referred. In case the method of measurement for a particular line item is not specified in the BOQ and/or technical specifications, IS1200 shall be followed.</i>				
	6	Cement, Structural Steel & Reinforcement steel required for works shall be arranged, procured & supply at fix basic rate by the Contractor unless otherwise specifically noted.				
	7	UNO - Unless noted otherwise.				
	NOTE :	Cement, Structural Steel & Reinforcement steel shall be arranged, procured & supply by the Contractor unless otherwise specifically noted.				
Section 1 : A - Earth work						
		Note :-				
	1	Rate includes removal of all kind of vegetation, small shrubs etc. and including back filling excavated soil pits, sides for foundations, trenches etc.				
	2	Dewatering water to be left out of the building area through proper pipes & channels. Dewatering to keep site dry at all times till all work complete & whenever necessary or as instructed by the Owner/Owner's representative.				
	3	Excavation dimensions shall be measur both side 400 mm extra from PCC dimensions and Back filling of excavated pits shall be as per these dimensions only. No extra payment shall be made for construction operation.				
	4	Excavation, back filling, filling with brought out fill materials from out side of plant for individual building will be measured under this section.				
	5	Levels are to be taken before and after excavation and as directed by Owner/Owner's representative for calculating the depth of excavation and formation area as per GFC drawing will be considered for area measurement.				
	6	Rate shall include marking the areas to be excavated, setting up the reference datum bench mark, establishing interim and final excavation levels with appropriate survey instruments, Carrying out excavation in the specified type of soil, inclusive of de-watering to keep the area clear from water ponding at all times to the required depth and profile.				

A.01	Excavation in all types of soil viz. sand, clay, black cotton, soft & hard murum, soft rock etc. for footings, steps, plinth beams, masonry & equipment foundations, pile caps, drains, trenches, manholes, underground tanks, etc. including shoring, strutting as required to protect excavation banks, plinth filling etc. from under sliding, dewatering where required (until foundation work is complete). Item also includes carting, Backfilling , stacking if required by Owner, spreading, leveling & compacting/consolidating surplus materials anywhere within Owner's premises as directed by Owner/Owner's representative Note:- All types of soil that can be removed by JCB/ Poclairn bucket or manually shall be considered under this item.				
A.01A	From average ground level to 1.50m depth.	CUM		175.00	
A.01B	From 1.50 m depth to 3.00 m depth.	CUM			
A.01C	Above 3.00 m depth (or as per drawings).	CUM			
A.02	Back filling selected approved quality yellow earth brought from outside the site, with all lead and lifts after removing the shrubs and breaking the clods etc. complete including compaction by a 10 MT Roller and water pouring, required all standard process.	CUM		465.00	
A.03	Backfilling for all purposes using clean salt free, approved quality river sand.(COARSE SAND)- LOCAL SAND	CUM		0.00	
A.04	Providing, Filling in plinth & plinth protection, Roads as directed in layers with the approved quality Quarry Spoil (mixture of loose boulders, crushed stone etc. etc.) with necessary watering, rolling with 8.0 to 10.0 Tonnes capacity tandem roller etc, complete as directed by the engineer in charge. A max. layer of 300 mm depth is laid at a time. The compacted thickness will be <u>considered for measurements</u> .	CUM		0.00	
A.05	Supplying and spreading large size machine cut black trap metal of good approved quality and size of 110 to 140 mm including spreading the same in required grade and camber in two layers to obtain compacted thickness of 230 mm filling the hollows with smaller size stones , spouls, spreading good quality excavated earth in each layer, to fill up the interstices & voids to make plain surface, profusely watering incl. consolidating by power drives roller of 10 tonne capacity in required camber dry and wet rolling as directed.	CUM		65.00	
Sub Total of Section 1					
Section 2 : B - Concrete and C- Reinforcement & Allied works.					
Note :-					
1	The rates for all items covered in this section shall include cost of curing, dewatering, if required till completion of works up to all level and chamfers in RCC works shall be provided wherever required at no extra cost to the owner.				
2	Concrete to be used shall be design mix concrete (to be approved by Owner/Owner's representative/ consultant) manufactured in batching plant. Ready mix concrete option may be opted, if available, to be use prior approval of the Owner from approved manufacturers.				
3	Design mix will be used however no extra will be paid if nominal mix is used instead of design mix.				
4	The rates shall also includes cost of providing batching plant, offsets, cutouts, pockets, construction joints, making holes in or cutting formwork for taking out dowel bars, hacking the exposed surfaces to receive plaster as necessary.				
5	Coefficient of cement, (if indicated) is given as reference for reconciliation purpose. For higher grade of concrete above M25 Coefficient shall be considered as per design mix approved by the Owner/Owner's representative.				
6	Cement shall be 43/53 grade Ordinary Portland Cement, Sulphide Resistant Cement, Portland Pozzolana Cement, High Alumina Content Cement of approved brand.				
7	(Wherever GL is mentioned that shall be treated as Plinth Level at) 0.00 m lvl is considered as plinth level of individual level.				

B.01	Providing and laying plum cement concrete using specified graded 50% of approved quality rubble at various locations etc. machine mixing, consolidating with rammer/ vibrators, curing, providing scaffolding, staging etc. complete as directed and instructed by Owner/Owner's representative. (Form work shall be paid separately under relevant item).	CUM		
B.02	Providing and laying machine mixed plain cement concrete in P.C.C proportion 1:4:8 (One part of cement, Four part sand Eight part of 40 mm down size graded black trap metal in specified thickness including centering and shuttering if required, laying, spreading, ramming, consolidating watering and curing etc. complete as directed for all types of foundation below footings, rafts, walls extension, columns Floors etc. as directed by the Engineer	CUM	35.00	
B.03	Providing and laying in position machine mixed and machine vibrated reinforced cement concrete of controlled grades for reinforced cement concrete structural elements, viz. foundation beams, slabs, flat slabs, raft, floor plinth beams, plinth beams ledges, window sills, coping, walls, parapets, boxes, folded plate, chajjas, mullions, retaining walls, fins, staircases, overhead and underground water tanks in any shape as per structural design and as per IS 456 -2000 using 20 mm or as specified size of black Trap aggregates including design of concrete mixes, weigh batched proportioning, necessary lift and lead as specified finishing concrete surfaces, curing etc. complete excluding centering shuttering and reinforcement. The conversion of weigh batched proportion to the volumetric one, if desired by the contractor, should be got approved from Engineer before execution. With grade of M25 concrete at all levels below and upto ground level.			
	(a) For Footing, base raft, Pile cap upto FFL	CUM	55.60	
	(b) For Ground beam/Plinth Beam upto FFL	CUM	0.00	
	(c) For Column upto FFL	CUM	0.00	
	(d) For WALL upto FFL	CUM	0.00	
	(e) For SLAB upto FFL	CUM		
B.04	do-as per item no. B.03 but in super Structure for FFL to First Floor	CUM		
	(a) For Mezzanine floor with pump of concrete lift for FFL to First Floor	CUM	11.04	
	(b) For Column for FFL to First Floor	CUM	1.27	
	(c) For Wall for FFL to First Floor	CUM		
	(d) For Slab for FFL to First Floor	CUM		
	(e) For Staircase for FFL to First Floor	CUM		
	(f) For chhajja, plaform, selves for FFL to First Floor	CUM	0.41	
B.05	_do-as per item no. B.03 but in super Structure for First Floor to Second Floor			
	(a) For Beam, Lintel for First Floor to Second Floor	CUM		
	(b) For Column for First Floor to Second Floor	CUM		
	(c) For Wall for First Floor to Second Floor	CUM		
	(d) For Slab for First Floor to Second Floor	CUM		
	(e) For Staircase for First Floor to Second Floor	CUM		
	(f) For chhajja, plaform, selves for First Floor to Second Floor	CUM		
B.06	_do-as per item no. B.03 but in super Structure for Second Floor to Third Floor			
	(a) For Beam, Lintel for Second Floor to Third Floor	CUM		
	(b) For Column for Second Floor to Third Floor	CUM		
	(c) For Wall for Second Floor to Third Floor	CUM		
	(d) For Slab for Second Floor to Third Floor	CUM		
	(e) For Staircase for Second Floor to Third Floor	CUM		
	(f) For chhajja, plaform, selves for Second Floor to Third Floor	CUM		

B.07	Grade Slab--Providing & Laying M-20 grade concrete as per item B.04 etc. including laying in alternate panels as per proposed patterns including providing and fixing M.S. angels/ channels as shuttering, consolidation with mechanical screed vibrator,finishing the top surface with as per requirement (i.e. smooth rough, boomed, wired trowelled, and chequered finish) including all labour and material as per drawing & directions of engineer-in-charge. (Rate excludes the cost of reinforcement) USING RMC CONCRETE AS APPROVED BY STRUCTURE CONSULTANT				
	(i) For 150 mm thick floor	CUM		35.25	
	(ii) For 150 mm thick mezzanine floor concrete work with pump or concrete lift machine	CUM		35.25	
B.07a	-do- as per item No. B-07 but extra for M25 grade concrete	CUM			
B.07b	Extra rate over & above item B.07 for using vacuum dewatering mechanical trowelling & compacting (TRIMIX) system as per manufacturer specification as directed & specified.	SQM		0.00	
B.07c	Extra rate for sprinkling approved brand floor topping / FLOOR HARDNER DRY MIX ON CONCRETE FLOOR AT THE RATE OF 3 KG/M2 at all level as per manufacture's specification and as directed by engineer in charge. over the freshly laid concrete floor before starting trowel finishing for item B.06 above as directed by the consultants.	SQM		0.00	
B.08	Providing and erecting in position form work shuttering and boxing using steel / plywood shuttering(plywood shuttering is must for beam & column) materials of approved quality for concrete elements vertical, horizontal or inclined or curved or in all shapes as per drawing at any levels upto plinth including necessary scaffolding(only steel scaffolding will be permitted), bolts fastener nails, wires keeping in position till concrete is laid and member have acquired required strength removal thereafter, applying shuttering oil etc. complete as directed by Structural consultant / Engineer. At all levels below ground level for column foundations, pedestal, wall footings, plinth beams, coping, columns and pits & Equipment Foundation.	SQM		320.10	
B.09	_do-as item no B.17 but in super structure from FFL to First Floor all heights as mentioned for slab, flat slabs, columns, column heads Gutters walls, beams, lintels, band beams, suspended slabs, landing, shelves, waist slab, hangers, mullions, facias, parapets, Fins, paragola beams, trellis etc.	SQM		0.00	
B.10	_do-as item no B.16 but in super structure from First Floor to Second Floor all heights as mentioned for slab, flat slabs, columns, column heads Gutters walls, beams, lintels, band beams, suspended slabs, landing, shelves, waist slab, hangers, mullions, facias, parapets, Fins, paragola beams, trellis etc.	SQM			
B.11	_do-as item no B.16 but in super structure from Second Floor to Third Floor all heights as mentioned for slab, flat slabs, columns, column heads Gutters walls, beams, lintels, band beams, suspended slabs, landing, shelves, waist slab, hangers, mullions, facias, parapets, Fins, paragola beams, trellis etc.	SQM			
C.	REINFORCEMENT WORK & ALLIED Works				
C.01	Providing, supplying, straightening, cutting, bending, laying & fixing in position reinforcement as per drawings at all locations and levels including preparation of bar bending schedules and obtaining their approval from Owner/Owner's representative, cutting, bending and binding with 16 gauge MS annealed black iron binding wire including placing proper concrete cover blocks, chair supports etc. complete as specified and directed by Owner/Owner's representative. Note :- The rate shall include for cost of supplying binding wires, concrete cover blocks etc.				
	(b) High yield deformed bars/TMT/CRS bars as per IS 1786.	MT		7.50	
	Sub Total Section 2 (B+C)				
Section 3 : D. Structural Steel and Allied Works.					
	Note :-				

		All structural steel shall be measured on weight basis in metric tones or kgs as mentioned in the bill of quantities. The length or areas of various members including gusset plates shall be measured correct to two places of decimals and the net weight worked out from the standard steel tables approved by Indian Standard Institution (BIS). No separate measurements shall be taken for welding, riveting, bolting, field connections etc. Supplying of Structural steel nut & bolts etc. & Painting with two coats of synthetic enamel paint over one coat of approved steel primer are in scope of bidder.				
	D.01	Providing, fixing, laying Structural steel fabrication and erection on site with all lead & lift including Labour charges,--Preparing shop drg. fabricating, delivering at site and fabricating in position in structural members in roof trusses, rafters, cleats purlins, platforms, brackets etc. as per drg. and specification including joints, angles, plates, anchor bolts, connecting bolts at all height as per drawing. including straightening the members, drilling holes, cost of nut bolt, welding rods and other consumables etc. Actual site measurements shall be done. No extra charges shall be paid for shifting the str. steel and re erecting the str. steel for measurements. Chequered plate shall be fixed by using temporary countersunk screws 6mm dia. and then welding of joints. Rate shall include for welding of chequered plate joints -100mm length of 6mm weld joint at every 300mm c/c . (Work shall be carried out as per specifications attached.) The rate shall include for cutting for making small cutouts , welding of toe plates for cutouts, all types of small or big brackets etc. complete. No extra payments shall be made for the weight of nut bolts. (it shall be included in	MT			
	D.02	Providing, supplying, fabricating and fixing in position at all heights, foundation bolts made out of M. S. Rods of approved quality & make including threading, fixing in position on line & level, using M.S. template all directed by the consultants & as per details (No extra payment shall be made for nuts, washers, check nuts etc. which is deemed to be included in the rates). contractor to procure the rods.	MT			
	D.03	Providing / collecting, cutting, fabricating and fixing in position M S Plates of all thickness /MS chequered plates at all heights for platforms, staircase, floors and cover over electrical or other trenches, etc. including leveling, cutting to proper sizes, welding and applying one coat of steel primer and two coats of synthetic enamel paint of approved make and shade on both side of plate after erection, all complete as per drawings and as directed by the Engineer (No extra payment shall be made for weight of welding	MT			
	D.04	Providing, fabricating and fixing in position MS inserts such as nosing, corner angles of columns, plates, flats, tees, protection channels of loading / unloading of dock, provision for pipe hangers, supports, brackets and monorails, hooks, frame around cut -out, MS pipe sleeves as per drawings and specifications, in true line and level including embedding the same into the permanent works at the time of casting, of RCC works with necessary welding, grinding and painting with two coats of oil paint etc. Complete as directed. (weight of welding shall not be paid in measurement)	MT		0.00	
	D.05	Fixing Charge for Foundation bolts (Labour Charge only)	NOS		72.00	
	D.06	Reinforcement steel Welding to structural steel column for lintel beam concrete work	NOS			
		Sub Total of Section 3 (D)				
Section 4 : E-Masonry and F Plaster Works.						
	E.01	Providing and constructing local available first class brick masonry in C.M. 1 : 6 (One cement, Six coarse sand) including scaffolding, racking out joints curing etc. complete as directed by Engineer-in-charge. In foundation at all levels below and Floor Level for trenches, pedestals, columns compound wall, machine foundation, curved walls, cable trenches etc. with best local approved bricks.	CUM		115.10	

E.02	do-in super structure from FFL to First Floor levels for all walls, including wall under curved sheet, pillars, etc. and making provision of opening etc. including double scaffolding (only steel scaffolding) staging if required racking out joints, watering, curing etc. complete as directed.	CUM			
E.03	do-in super structure from First Floor level to Second Floor Level for all walls, including wall under curved sheet, pillars, etc. and making provision of opening etc. including double scaffolding (only steel scaffolding) staging if required racking out joints, watering, curing etc. complete as directed.	CUM			
E.04	do-in super structure from Second Floor Level to Third Floor Level for all walls, including wall under curved sheet, pillars, etc. and making provision of opening etc. including double scaffolding (only steel scaffolding) staging if required racking out joints, watering, curing etc. complete as directed.	CUM			
E.05	Providing and constructing 115 mm thick brick masonry in partition for super structure below & up to ground level, including parapet in cement mortar 1 : 4 (One cement and Four coarse) including scaffolding(only steel scaffolding), racking out joints, Transoms & Mullions (Stiffeners) shall be provided in the brick work when length or height of wall exceeds 2m. Transoms shall be provided at approximate 1.50mtr height & lintel/door height. Spacing of mullions shall not exceed 2.5 m c/c. Size of transoms / mullions shall be same as wall thickness x 100mm with M20 grade concrete & 10mm down graded aggregate. Reinforcement in mullions & transoms shall be paid separately. Providing and placing form work etc for transoms/mullions etc. shall be included in the quoted rate.	SQM			
E.05a	do- as Item No. E.06 but from FFL to First Floor level	SQM			
E.05b	do- as Item No. E.06 but from First Floor to Second Floor level.	SQM			
E.05c	do- as Item No. E.06 but from Second Floor to Third Floor level.	SQM			
E.05d	do- as Item No. E.06 but above Third Floor Level	SQM			
F	Plaster				
Note :	The rate of plaster shall include for the following and no extra shall be paid for the same.				
	(I): All internal plaster wall/ceiling surface shall have chicken mesh fixed to concrete/ masonry surface. (approx. width of chicken mesh shall be 300mm)				
	II): The rate of plaster work shall include for proper & neat finishing around electrical boxes, other small cut outs upto 300 x 300 mm, electrical , AC cut out edges, other grooves, done by client, other agencies.(including fixing 300mm wide chickenmesh) No extra payments shall be made for this finishing, if these jobs are done before plastering. For, this type of work done after plastering, it shall be paid separately as per the rates in relevant item				
F.01	Providing cement finished rough cement plaster 20 mm thk to brick walls and all RCC works at all level below GL, average 15 mm thick in cement mortar 1 : 4 including racking out the joints, roughening the R.C.C. surfaces, scaffolding(only steel scaffolding) curing etc. complete plaster to be done in true line and level and surfaces to be in true plumb and should be trowelled smooth. Rate to include making normal patta, vata, tapak, ghisi, groove etc. in plaster as directed by engineer.	SQM			
(b)	-do- but GL to 4.0 m level.	SQM			
F.02	Providing cement finished smooth mala cement plaster 20 mm thk to brick walls and all RCC works at all level below GL, average 20 mm thick in cement mortar 1 : 3 including racking out the joints, roughening the R.C.C. surfaces, curing etc. complete plaster to be done in true line and level and surfaces to be in true plumb and should be trowelled smooth. Rate to include making normal patta, vata, tapak, ghisi, groove etc. in plaster as directed by engineer				
F.02a	do- as above but for FFL to First Floor level.	SQM		820.25	
F.02b	do- as above but for First Floor to Second Floor level.	SQM			
F.02c	do- as above but for Second Floor to Third Floor level.	SQM			

	F.02d	do- as above but for aboveThird Floor level.	SQM		
	F.03	Providing and laying average 20mm thick sand faced plaster in CM 1:4 at all heights laid in two coats to external concrete or masonry surfaces and around openings in jambs and sills, finished with sponge including hacking of concrete surfaces, raking of joints, scaffolding(only steel scaffolding, curing, etc. complete as per specifications and as directed by the Engineer.	SQM		
		Inner coat Av. 12mm thick in CM 1:4 Outer coat Av. 8mm thick in CM 1:2)			
		Sub Total of Section 4 (E+F)			
Section 5 : G - Floor Finishes and Waterproofing & Allied works					
		Note: The rate for skirting to walls, concrete coving shall include for the cost of chiselling brickwork, concrete and doing jad plaster after fixing skirting, doing coving. No Extra payments shall be made for this. , Rate for all flooring shall include for covering the floor with PVC sheet over laid with POP to protect the floor from any type of damage.			
	G.01	Providing and laying 50 mm thick Indian patent stone flooring in cement concrete M 15 with bottom layer 30 mm thick using 10 mm to 6 mm size graded black stone aggregates, finished rough and 10 mm thick topping with mm and down size aggregates tamped, spaded, troweled and finished smooth with a floating coat of cement or non skid surfaces as directed at all levels including curing etc.	SQM		
	G.02	Extra rate over & above item B.06 for using TRIMIX system including vacume dewatering mechanical trowelling & compacting as per manufacturer specification as directed & specified.	SQM		430.87
	G.03	Extra rate for sprinkling approved brand floor topping / FLOOR HARDNER DRY MIX ON CONCRETE FLOOR AT THE RATE OF 3 KG/M2 at all level as per manufacture's specification and as directed by engineer in charge. over the freshly laid concrete floor before starting trowel finishing for item B.06 above as directed by the consultants.	SQM		1292.61
	G.04	Providing fixing precast vitrified tiles of approved make & 610x610mm size as per manufacturer in desired shade and coloure and first quality, laid in floors, sills for doors and windows and landing 30 mm thick bed of cement mortar 1 : 4 (One lime & Two sand) or (One cement : Six coarse sand) including spreading neat cement slurry at the rate of 4.4 Kg/Sq.m. and chemical adhesive for dedo, filling of joints with neat white cement slurry mixed with pigment to match the shade of tiles, rubbing, including covering the tiles with PVC sheet & POP over it etc. complete as directed.(Basic rate of tile is Rs. 80/Sft-inclusive of taxes.) Rate shall include for necessary cutting of tiles without damaging the edges.			
		(a) for Flooring	SQM		215.43
		(b) for Skirting	RMT.		17.85
		(c) for Dado	SQM		
		(d) for wall (310*310*mm, 6mm thick)	SQM		65.00
	G.05	Providing & laying for floor and dado skirting of 6 mm thick white/colour glazed tiles (glassy or matt finish as approved by architect) of approved size & make first quality fixed over 30mm CM 1:4 for flooring & 12 mm thick plaster in CM 1 : 3 for dedo including providing groove upto 3 mm wide if directed to do so and using gray / white cement with pigment in pointing of joints and applying neat cement paste about 3 Kg/sq.m. The rate shall be inclusive of centre point, fittings i.e. extra labour, material etc. to be considered so as to get outlet of plumbing sanitary fittings at the junction of four tiles or in the centre of tile including cleaning, including covering tiles with PVC sheet and POP over it etc. complete as directed.	SQM		

	G.06	Providing and laying machine cut, machine polished (mirror polished in final finish) Kottah Stone size 600mm x 600mm (30 mm to 40 mm thick) with epoxy jointing to floor and staircase landings laid on a bed (thickness 30-40 mm) of cement-lime mortar 1:5 mix. 4-5 mm gap shall be left between joints. 4 to 5 mm width x 8 mm depth shall be filled with epoxy. The rate shall include for cement floating and filling in the joints with matching coloured cement, site cutting if required and including curing, cutting holes for drain points etc. The Kottah stone shall be laid in perfect line and level with sharp joints (less than 1mm in width), in perfect right angles.	SQM			
	G.07	Providing and fixing Cills to Doors/Windows laid in C M 1:3 with joints filled, in following materials.--including moulding making, polishing				
	a	Kotah Stone	SQM			
	b	Granite (Wash basin)	SQM		20.00	
	G.08	Providing and laying at all level premium/jet single mirror polished black granite machine cut & double moulding & groov of specified thickness given in detail for treads, risers, window sills,platforms as per required size & shape over a base of cement sand mortar 1:3 including cutting in required size & shape, cement filling of joints, including covering the tiles with PVC sheet and POP over it etc. complete as directed by engineer in charge. (Basic rate inclusive of TaxesRs. 195/Sft.)	SQM			
	Sub Total Section 5					

Section 6 : H - Doors, Windows, Ventilators and Rolling Shutters Works.					
		Note :-			
	1.	All aluminum sections shall be of Jindal, Indal or Hindalco make or approved equivalent.			
	2.	All aluminum section will be coated with plastic peel for protection from cement / concrete/ paint etc.			
	3.	Aluminum members shall be got approved before Procurement			
	4	Good quality rubber strip 75x5thk with 40x5 aluminum strip shall be provided at bottom to all external doors as per detail/as instructed.			
	5	All aluminum frame members shall have natural matt finished / Coloured anodizing of 25 microns or Epoxy powder coating/PU coating of 70 to 80 microns with pill of Protective films.			
		Supplying & fixing Anodized/Epoxy/PU coated aluminum single leaf or double leaf doors in Aluminum section main frame and shutter frames including beading clips, EPDM gaskets, door stopper, sandwich panel shutter made of 6mm marine ply, with 1.2mm anodized aluminum sheets on both sides & with view panel of approximate size 450mmx600mm or different size of 5.0 mm plain clear glass of special selected quality, 10mm thk x 150mm wide push and pull type full door shutter width aluminum handle, on both the sides of shutter, (Total two handles) hardware like 6" tower bolt, SS-304 4 nos hinges per shutter, mortise locks, door closer, Ingersoll, Geze, door latch etc. complete. All material shall be as per specifications and as per approved make or equivalent & as per detailed drawings and as directed / instructed by Engineer / Owner. Silicon sealant shall be provided at junction of all materials / aluminum member, all as per specification and as per drawing and as directed. Necessary strengthening shall be done to frames at location of hinges.			
		Partly Glazed & Partly Panel Door. (SERIES 'A' JINDAL MAKE SECTIONS)			
	A	Single Shutter Door.			
	1	(Main Frame)			
	2	(Lock Side Style) (Door Vertical With PVC)			
	6	(Hinge Side)			
	4	(Middle Rail)	SQM		22.00
	3	(Bottom Rail)			
	5	(Top Rail)			
	6	(Glazing Clip)			
	B	For Double Shutter Door Lock Side Style Shall Be As Per Double Shutter Requirement. Vender To Specify Appropriate Section.			
	H.01	Providing and fixing rolling shutters (push/pull type) fabricated out of 18 gauge M.S. steel laths interlocked and 12 gauge side guides shutter to have pipe shafts with bracket plates and locking arrangement, (From inside and outside) hood, springs etc. shutters to be fixed in true plumb and in line. Shutters to be painted with one coat of zinc chromate and two coats of synthetic enamel approved make and shade. Only clear opening in the walls will be measured and paid.	SQM		
	H.01.a	Extra for providing manual gear operation.(per shutter)	Nos.		
	H.01.b	Extra for providing motorised gear operation.(per shutter)	Nos.		1.00
	H.02	Providing and fixing in position partly glazed aluminum pivoted / hinged double leaf door as per detail by using extruded anodized (35 micron) section fabricated by standard manufacturer of outer frame of size 101.5 x 44.5 x 3.0 mm door shutter with top rail of size 44.5 x 47.5 x 3.0 mm and lock and bottom rail of size 114 x 44.5 x 3.0 mm with anodizing with 5.0 mm plain glass including all necessary fixtures like locks, hinges, contact tower bolt, PVC gasket, weathering, aluminum screw less bidding, floor spring of Everite make or equivalent etc. completed as directed.	SQM		

H.02a	- do - for single leaf door shutter.	SQM			
H.02b	-do -but for single leaf door with prelaminated Bhutan Board as directed.	SQM			
H.02c	-do -but for Double leaf door with prelaminated Bhutan/Green Board as directed.	SQM			
H.03	Providing and fixing window having extruded alluminum Colour Powder Coated section frame main outer size 95mm x 24mm x 1.17mm (of Jindal Section no:2459 @ wt.of 0.738 Kg/mt), horizontal Three track member size 92mm x 31.75mm x 1.30mm (of Jindal Section no:8688,@ Wt.1.07 Kg/mt), vertical member of size 92mm x 31.75mm x 1.50mm (of Jindal Section no:8933,@ Wt. 1.06 Kg/mt) with sliding shutters of horizontal member size 40 mmx18mm x1.29mm (of Jindal Section no:8947@ wt.of 0.456 Kg/mt), vertical member of size 40mm x 18mm x 1.29 mm (of Jindal Section no:8949 @ wt.of 0.456Kg/mt/ with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc and as directed by Engineer in Charge etc. complete at all levels	SQM		3.60	
H.04	Providing, fixing Alluminium extruded sections door frames (14 SWG thickness) with neoprine gasket, and 46 mm thk fully flush shutter made with 18 swg sheet-- with internal honey combing structure and puff insulation of density 38 Kg/m3 with double side flush view panel (with 5 mm thk toughened glass), epoxy painted with SS "D" Handle, spring operated concealed bottom wiper, guide lock, with 2 mm thk ,SS kick plate 250 mm high, SS push plate at handle,door closer, to give perfectly smooth finish.Joints of plaster and door frame sealed with silicone sealant	SQM			
H.05	Providing supplying and fixing 40mm thick door shutter made out of pine wood and finished with 1mm thick laminate of approved shade & make, Cut-out for glass as per design fixing of 10mm toughened glass view panel of 600 mm x 1300 mm 10mm beading. Edges to be covered with 10mm BTC members as per design and finished in Sealcoat, polish & 2 coats melamine polish including surface preparation with sanding rubbing & buffing, including hardware such as concealed door closer, handle, hinges , door lock, door stopper etc. (Base rate of laminate-Rs-60 sqft). Providing supplying and fixing T.W. Door frame of finished size 75 mm x 50 mm applicable as per profile Shown in the drawing and finished with approved laminated and melamine polish and holdfasts/screws as per details. All complete as per detail drawing.	SQM			
H.06	Providing & fixing in position standard colour Powder coated Aluminum Ventilator with louvers with anodized section of size 63mm x 38.10mm x 1.2 mm (Jindal section 2434 @ Wt 0.643 Kg/mt) of approved shade louvers from aluminum standard section and providing rubber gasket around the glass all over including providing 5 mm thick. transparent froasted glass fixed in channels including all required materials labours and equipments as per detailed drwg. as directed at all floor levels	SQM			
Sub Total of Section 6					
Section 7 : I - Painting Works.					
Note:-					

		All painting items final finish shall be as per manufacturer's specification as per acceptance of Engineer in charge / Owner. No extra payment shall be made for extra / over coat if required. Rate for all items includes necessary scaffolding at all heights as required, removing loose particles cleaning the surface from dust, dirt, loose scales, sand papering etc. complete, cleaning the work place on completion of the job. (Actual area painted on the surface shall be measured)			
	I.01	Providing and applying two to three coats of weather coat Apex weather shield of Asian Paints of approved shade to sand faced/stonecrete plaster surfaces at all level. All surfaces to be properly cured initially after the first coats and finally till the satisfaction of the Engineer In charge.	SQM		269.55
	I.02	P/A one coat of cement primer, three coats of putty and 2 coats of poly-Acrylic Plastic Emulsion paint to internal wall surface including surface preparation, complete as directed..	SQM		179.70
	I.03	Anticorrosive Painting- P/A Epilux610 (primer 2 coats) with DFT 70 microns (total thickness), and P/A Epilux 4 H/B MIC coating 1 coats with DFT 75 microns (total thickness). On this coating, Two coats of Epilux 4 enamel with DFT 70 microns (total thickness) shall be applied. Rate shall include for preparation of surface, scrapping, brushing to make the surface scale free, dustfree, rust free, required scaffolding etc.. (Berger or equivalent make)	MT		
		Sub Total of Section 7			
Section 8 : J - Miscellaneous Works					
	J.01	Supplying and fixing stainless steel hand Railing of Grade SS 316 (16 gauge thick sections) with glossy finish consisting of 32mm x 32mm size vertical posts 900 Heigh at maximum spacing @ 750 mm c/c with suitable cups at top rail of 50 mm x 50 mm & intermediate horizontal rails 3 nos of 16 mm x 16 mm size etc complete at all levels including bending to required profile. Tungsten insert gas welding & all required accessories, grinding & labour etc complete as per design fixing with base slab/concrete or side wall/RCC by hilty or equivalent fastenre and plates as per Drawing and instruction of Engineer-in-Charge. (work for all floors)	RMT		
	J.02	Dismantling Brick masonry ,Removing lime or plain cement concrete in lime or cement mortar,RCC work,Rubble Soiling & And any filling Material above & below ground level at all levels including necessary propping wherever required & sorting out the materials such as steel etc., including stacking serviceable materials properly with all leads and lifts etc., complete and carting away unserviceable material as directed by Owner/Consultant with a lead of 3.5 KM	CUM		
	J.03	Dismantling of existing structural steel members, including necessary propping wherever required and stacking serviceable materials properly with all leads and lifts to stores and carting away unserviceable material with a lead of 3.5 KM as directed by Owner/Consultant.	MT		
	J.04	Removing A.C or G.I.sheets from the roof or side cladding including stacking serviceable materials properly with all leads and lifts to stores and carting away unserviceable material with a lead of 3.5 KM as directed by Owner/Consultant	SQM		
	J.05	Dismantling Paver Block work & P.C.C work on ground level sorting out the materials such as steel etc., as directed including stacking serviceable materials properly with all leads and lifts and carting away unserviceable material as directed by Owner/Consultant with a lead of 3.5 KM.	SQM		
	J.06	Doing dewatering using Pump supplied by contractor, including diesel, operator etc. complete 5 Hp Pump	Hour		
	J.07	P/F grouting GP2 under base plate including curing and surface preparation etc.(approx. 50 mm thk)	CUM		0.53
		Sub Total of Section 8			
Section 9 : K - SANITARY FIXTURES & CP FITTINGS					

	Providing and fixing Water Closet (European Type W.C. pan) Wall mounted , Concealed or Open Flush Tank, Two Way Bib Cock, Health Faucet, Seat Cover complete, Testing & Installation as per drawing & specification.	NOS.	4.00	
	Providing and fixing White glazed vitreous Wash Basin Under Counter 20"x12" Top with Bottle trap, Pillar cock, Angle Valve, Waste Coupling, Complete Testing & Installation as per drawing & specification.	NOS.	4.00	
	Providing and fixing Stainless steel single Pantry Sink , without drain board. With Bottle trap, Sink Cock , Angle Valve, Waste Coupling, Bowl size as per approved list. Testing & installation as per drawing & specification.	NOS.	1.00	
	Providing and fixing BIB COCK 15mm NB inlet, with required fittings etc complete. including cutting and making good the wall where required.	NOS.	4.00	
	Providing and fixing ANGLE COCK With Flexible pipe 15mm NB inlet, with required fittings etc complete. including cutting and making good the wall where required.	NOS.	2.00	
	Providing and fixing Pillar COCK With Flexible pipe 15mm NB inlet, with required fittings etc complete. including cutting and making good the wall where required.	NOS.	4.00	
	Providing and fixing Concealed Cock for Toilet Brass or SS 1" with flange including joint part, including cutting and making good the wall where required.	NOS.	6.00	
	Providing and fixing URINAL , With push type cock as per approved list. Testing & installation as per drawing & specification.	NOS.	4.00	
	Sub Total of Section 9			
	Section 10 : L - EXTERENAL WORK			
	Kharkuwa (size 8'*12' ft.) and septic tank in brick work.	Nos	1	
	Plumbing work from toilet blok to kharkuwa. (Distance between toilet block to kharkuwa 20 M.)	Lsm.	1	
	Sub Total of Section 9			
	TOTAL BASIC AMOUNT			

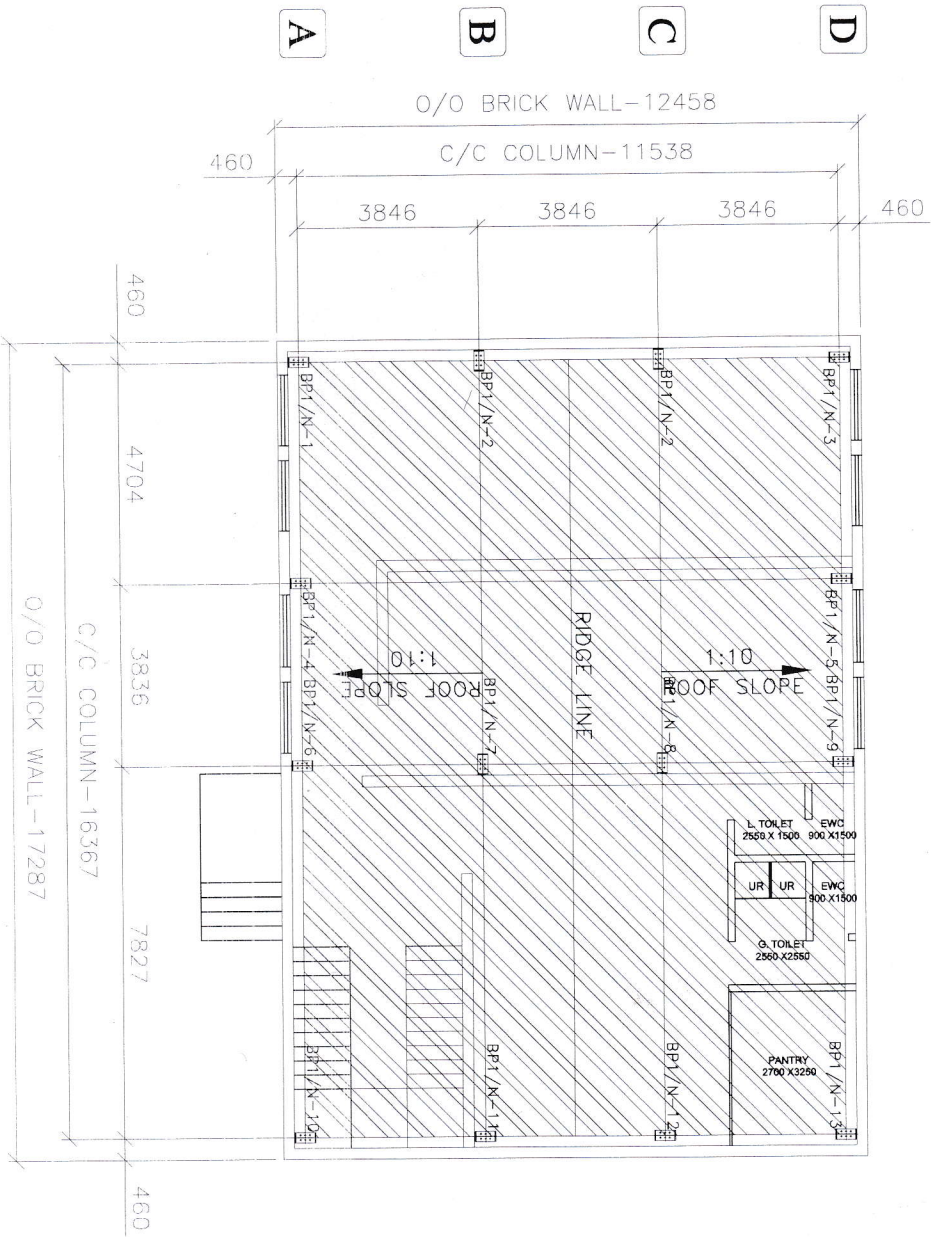
Supply+Installation Rate					Supply Rate	Supply Amount	Installation Rate	Installation Amount
Item No.	Item	Unit						
PART - C : LIGHTING, WIRING, ETC.								
C2.7	Square Light	NO	8	8				
C2.9	2 X 2 Led Light	NO	69	69				
C2.10.1	70W LED Flood light	NO	54	54				
C2.10.2	1200MM Ceiling Fan	NO	45	45				
C2.10.3	300MM Sweep Exhaust Fan	NO	11	11				
C4.0	Supply of various type of MCBs & Distribution boards similar to MDS Lexic brand.							
C4.1	25A FP MCB	NO						
C4.2	32A TP MCB	NO						
C4.3	40A FP MCB	NO						
C4.4	63A FP MCB	NO	2	2				
C4.5	125A FP MCB	NO						
C4.6	25A DP ELCB (SEN.100mA)	NO						
C4.7	40A RCCB (SEN.30mA)	NO	3	3				
C4.8	40A DP MCB	NO						
C4.9	63A DP MCB	NO						
C4.10	16A SP MCB	NO	30	30				
C4.11	20A SP MCB	NO	30	30				
C4.12	12 WAY double door DB' similar to MDS MAKE METALIC ,IP42,FOR LEXIC MCB ,CAT NO 601733	NO	2	2				
C4.13	8 WAY double door DB' similar to MDS MAKE METALIC ,IP42,FOR LEXIC MCB ,CAT NO 601732	NO						
C6.1	Switch-box (Wiring from Lighting panel to Switch box but excluding the supply of switch-box and switches)							
C6.1.1	Full points	NO	45	45				
C6.1.2	Half points	NO	30	30				
C6.2	Light points (with 1.5 sq.mm. cu. wire)							
C6.2.1	Full points	NO	35	35				
C6.2.2	Half points	NO	45	45				
C6.2.5	Emergency light point	NO						
C6.3	Wall Fan (with 1.5 sq.mm. cu. wire & Electronic regulator)							
C6.3.1	Full points	NO						
C6.3.2	Half points	NO						
C6.6	5/15 Amps. Plug Point (with 2.5 sq mm wire)							
C6.6.1	Full points	NO	10	10				
C6.6.2	Half point	NO	10	10				
C7.0	Supply and installation of Medium duty PVC pipes of following sizes including all hardwares as per standard specifications and directions of Engineer-in-charge for telephone wiring / computer wiring / clean room wiring.							
C7.1	25mm Dia PVC Pipe	MTR	900	900				
C7.2	40mm Dia PVC Pipe	MTR						
C7.3	25mm Dia flexible	MTR	100	100				
C7.4	20 mm Dia Flexible	MTR						
C8.0	Provide and draw PVC,FRLS insulated copper wire in already laid conduits throughout of conduit as per drawings, standard specifications and directions of Engineer-in-charge.							
C8.1	1.5 sq.mm wire	MTR						
C8.2	2.5 sq.mm wire	MTR	200	200				
C8.3	4 Sq.mm. Wire	MTR						
C8.4	6 Sq mm wire	MTR						
C9.0	Supply, installation, testing & commissioning of 150mm X 150mm size weatherproof junction box suitable for mounting on steel structure / wall / R.C.C. column, including necessary hardwares, connecting terminals, including all labour and materials and as	NO						
C10.0	Supply & Installation of PVC Race Ways & accessories as below :							
C10.1	100 x 50 mm Race Way with cover	MTR	20	20				
C10.2	Divider for 100 x 50 mm Race Way	MTR						
C10.4	4 / 5 module box for Race Way	NO						
C10.5	2 / 3 module box for Race Way	NO						
Total (C)								
PART - E : EARTHING								
E1.0	GI earthing 25 MM rod & 3 mtr. Long,compound,ss clamp,Earthing chamber 12*12 CI Chamber cover with civil material.(Make-SOR)	NO	4	4				
E4.8	25 x 3 mm GI. Strips	MTR	50	50				
Total Amount (E)								
PART - F : MISCELLANEOUS AND NEW ITEMS								
F1.0	SUPPLY OF MAN POWER :							

F1.1	electrician	NO						
F1.2	helper	NO						
F1.3	Exhaust Fan For ADL Lab	NO						
F1.4	POP Up Box	NO	0	0				
F1.5	DOL Contatctor	NO						
F1.6	Cat-6 Cable	MTR	615	615				
F1.7	160A FP MCCB With Box	NO	1	1				
D1.12	3 1/2 x 70 sqmm Armoured cable	MTR	30	30				
F1.9	2.5 Sq.mm X4 core Cu. Flexible cable	MTR	900	900				
Total Amount (E)								

Total Amount (B+C+D+E+F)								
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0





ANCHOR BOLT PLAN

ALL SIDE FULL H.T BRICKWALL AND ABOVE SHEETING

ALL STEEL COLUMN WILL STRAT FROM FINISH FLOOR LEVEL + 0.0

IMPORTANT NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS AND ALL LEVELS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE THEORETICAL BEARING CAPACITY OF THE FOUNDATION.
4. THE FOUNDATION SHALL BE DESIGNED TO RESIST ALL APPLIED LOADS INCLUDING WIND, SEISMIC AND OTHER APPLICABLE LOADS.
5. THE FOUNDATION SHALL BE DESIGNED TO RESIST ALL APPLIED LOADS INCLUDING WIND, SEISMIC AND OTHER APPLICABLE LOADS.
6. THE FOUNDATION SHALL BE DESIGNED TO RESIST ALL APPLIED LOADS INCLUDING WIND, SEISMIC AND OTHER APPLICABLE LOADS.
7. THE FOUNDATION SHALL BE DESIGNED TO RESIST ALL APPLIED LOADS INCLUDING WIND, SEISMIC AND OTHER APPLICABLE LOADS.
8. THE FOUNDATION SHALL BE DESIGNED TO RESIST ALL APPLIED LOADS INCLUDING WIND, SEISMIC AND OTHER APPLICABLE LOADS.
9. Anchor bolts shall be set perpendicular to the bearing surface.
10. Minimum grade of concrete for foundation columns should be M25.
11. Anchor bolts conform to physical specifications of IS-2062 or equivalent with min. yield strength of 250 N/mm² or equivalent.
12. This building has been designed to support the following loads:

NO.	UNIT	WIND LOAD	COLLECTIVE LOAD	COLLECTIVE LOAD
1	KN/CM ²	0.25	0.25	0.25
2	KN/CM ²	0.25	0.25	0.25
3	KN/CM ²	0.25	0.25	0.25
4	KN/CM ²	0.25	0.25	0.25
5	KN/CM ²	0.25	0.25	0.25
6	KN/CM ²	0.25	0.25	0.25
7	KN/CM ²	0.25	0.25	0.25
8	KN/CM ²	0.25	0.25	0.25
9	KN/CM ²	0.25	0.25	0.25
10	KN/CM ²	0.25	0.25	0.25
11	KN/CM ²	0.25	0.25	0.25
12	KN/CM ²	0.25	0.25	0.25
13	KN/CM ²	0.25	0.25	0.25
14	KN/CM ²	0.25	0.25	0.25
15	KN/CM ²	0.25	0.25	0.25
16	KN/CM ²	0.25	0.25	0.25
17	KN/CM ²	0.25	0.25	0.25
18	KN/CM ²	0.25	0.25	0.25
19	KN/CM ²	0.25	0.25	0.25
20	KN/CM ²	0.25	0.25	0.25

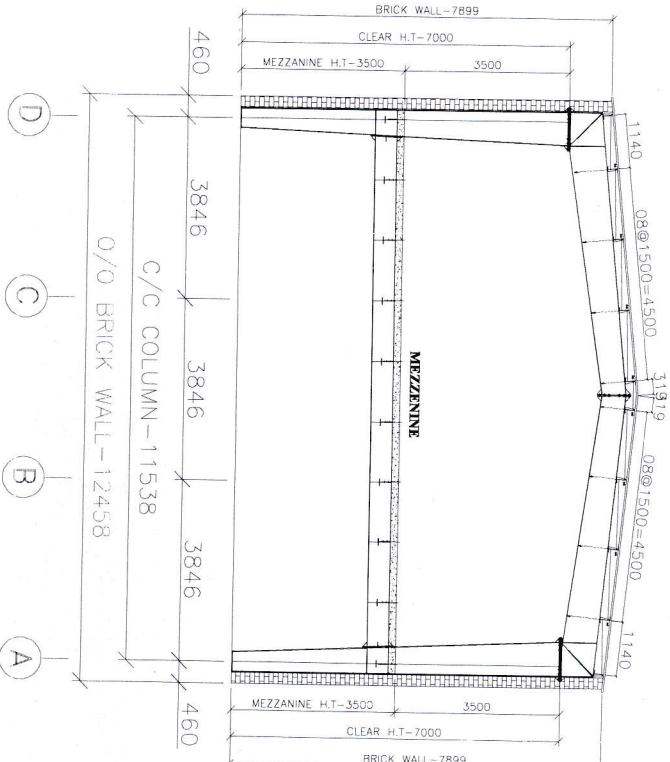
DESIGN CODE : IS-2062-2010 / IS-2062-2012

DESIGNER : MHA-2012

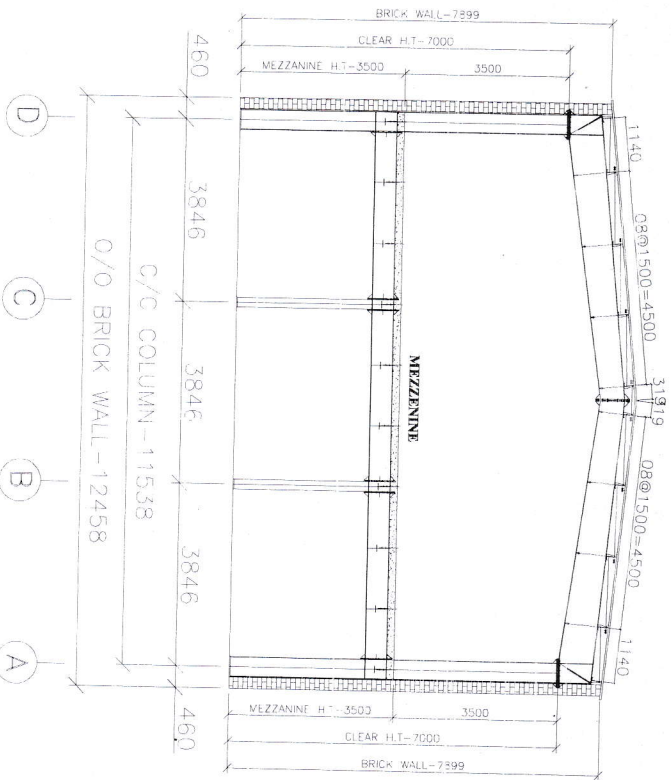
NO.	23-11-24	FOR APPROVAL
DATE		REVISION: HET/09P
PROJECT	B.S.D. QUASHAN	
SCALE	VIS	
NAME	ANCHOR BOLT PLAN	
DATE	10/11/2012	
SCALE	1:1	
PROJECT	B.S.D. QUASHAN	
SCALE	VIS	
NAME	ANCHOR BOLT PLAN	
DATE	10/11/2012	
SCALE	1:1	

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CROSS SECTION @ GRID LINE 2



CROSS SECTION @ GRID LINE 3



IMPORTANT NOTES

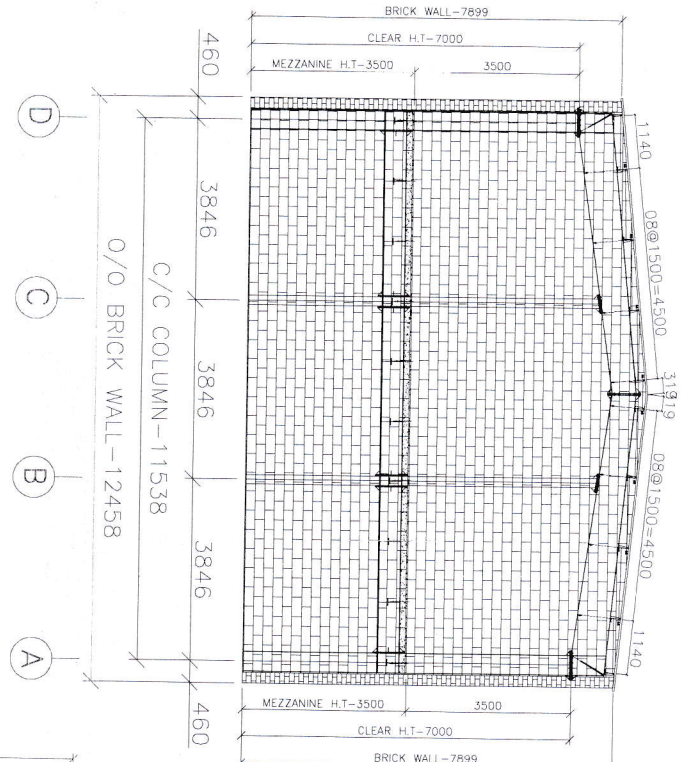
1. ALL DIMENSIONS ARE IN METERS AND ALL LEVELS ARE IN METERS UNLESS NOTED OTHERWISE.
2. ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.
3. ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.
4. THE CLIENT IS RESPONSIBLE FOR THE ACCURATE LOCATION OF THE BUILDING AND FOR THE PROTECTION OF THE EXISTING STRUCTURE.
5. THE CLIENT IS RESPONSIBLE FOR THE PROTECTION OF THE EXISTING STRUCTURE AND FOR THE PROTECTION OF THE EXISTING SERVICES.
6. THE CLIENT IS RESPONSIBLE FOR THE PROTECTION OF THE EXISTING SERVICES AND FOR THE PROTECTION OF THE EXISTING STRUCTURE.
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20. THE CLIENT IS RESPONSIBLE FOR THE PROTECTION OF THE EXISTING SERVICES AND FOR THE PROTECTION OF THE EXISTING STRUCTURE.

NO.	DESCRIPTION	UNIT	VALUE
01	CONCRETE	M ³	1000
02	STEEL	TON	50
03	BRICK	M ²	1000
04	GLASS	M ²	1000
05	MEZZANINE	M ²	1000
06	MEZZANINE	M ²	1000
07	MEZZANINE	M ²	1000
08	MEZZANINE	M ²	1000
09	MEZZANINE	M ²	1000
10	MEZZANINE	M ²	1000
11	MEZZANINE	M ²	1000
12	MEZZANINE	M ²	1000
13	MEZZANINE	M ²	1000
14	MEZZANINE	M ²	1000
15	MEZZANINE	M ²	1000
16	MEZZANINE	M ²	1000
17	MEZZANINE	M ²	1000
18	MEZZANINE	M ²	1000
19	MEZZANINE	M ²	1000
20	MEZZANINE	M ²	1000

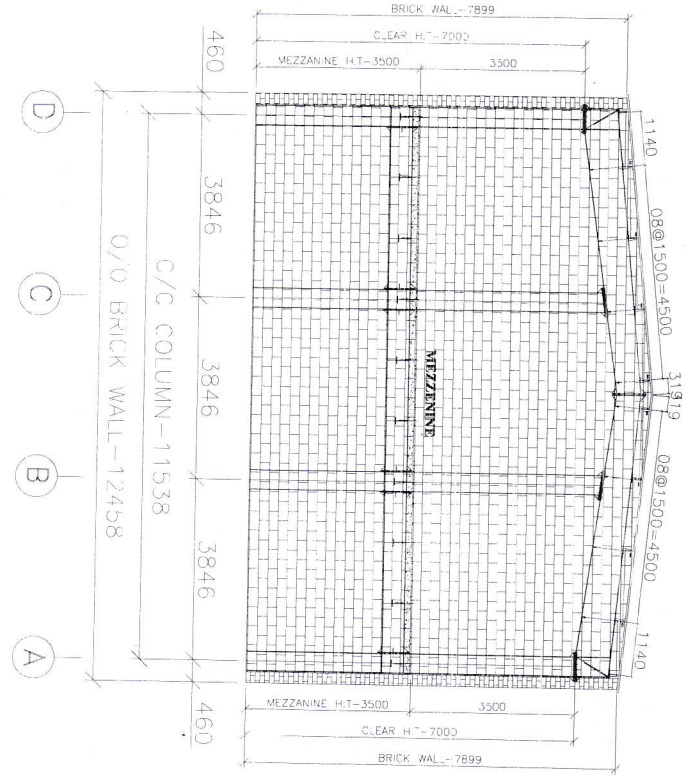
REVISION HISTORY

NO.	DATE	REVISION
01	23-11-24	FOR APPROVAL
02		REVISION HISTORY

CUSTOMER
 NAME: BSLD RAJASTHAN
 PROJECT: BSLD RAJASTHAN
 DRAWN: BSLD RAJASTHAN
 CHECKED: BSLD RAJASTHAN
 SCALE: 1:100
 SHEET NO: P-01
 SHEET TOTAL: 03



CROSS SECTION @ GRID LINE 1

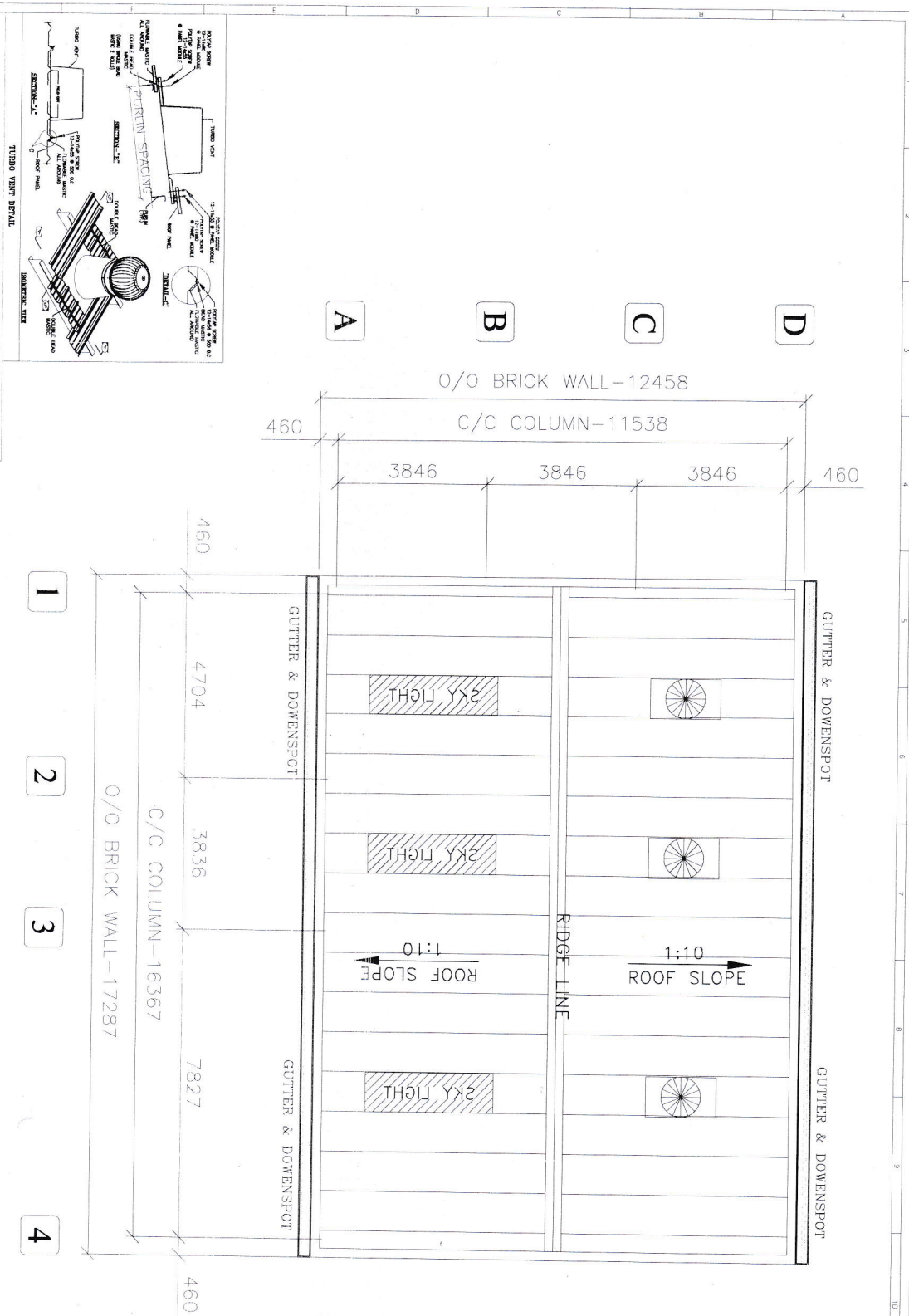


CROSS SECTION @ GRID LINE 4

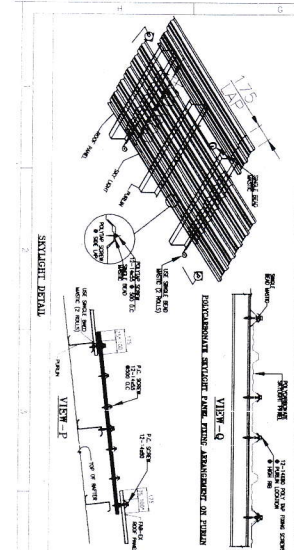
IMPORTANT NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS AND ALL LETTERS ARE UPPERCASE.
2. ALL ARCHITECT DIMENSIONS ARE IN MM. ARCHITECT BOB T. PRODUCTION TO BE CLAN.
3. ARCHITECT SHALL BE KEPT PERPENDICULAR TO THE THEORETICAL FINISH SURFACE.
4. THE CUSTOMER IS RESPONSIBLE FOR THE ACCURACY OF THE DIMENSIONS AND SPECIFICATIONS OF THE BUILDING SITE.
5. ARCHITECT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE DIMENSIONS AND SPECIFICATIONS OF THE BUILDING SITE.
6. ARCHITECT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE DIMENSIONS AND SPECIFICATIONS OF THE BUILDING SITE.
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12. ARCHITECT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE DIMENSIONS AND SPECIFICATIONS OF THE BUILDING SITE.
13. ARCHITECT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE DIMENSIONS AND SPECIFICATIONS OF THE BUILDING SITE.
14. ARCHITECT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE DIMENSIONS AND SPECIFICATIONS OF THE BUILDING SITE.
15. ARCHITECT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE DIMENSIONS AND SPECIFICATIONS OF THE BUILDING SITE.
16. ARCHITECT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE DIMENSIONS AND SPECIFICATIONS OF THE BUILDING SITE.
17. ARCHITECT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE DIMENSIONS AND SPECIFICATIONS OF THE BUILDING SITE.
18. ARCHITECT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE DIMENSIONS AND SPECIFICATIONS OF THE BUILDING SITE.
19. ARCHITECT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE DIMENSIONS AND SPECIFICATIONS OF THE BUILDING SITE.
20. ARCHITECT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE DIMENSIONS AND SPECIFICATIONS OF THE BUILDING SITE.

DESIGN CODE	MSK-860-2019/	
SERVICEABILITY	MSK-2912	
REVISION		
NO.	DATE	FOR APPROVAL
1	23-11-24	REVISION HISTORY
<p>BISLD RAJASTHAN</p>		
<p>SCALE: HRS</p>		
<p>CUSTOMER: BISLD RAJASTHAN</p>		
<p>PROJECT NAME: CROSS SECTION @ GRID LINE</p>		
<p>DATE: 23-11-24</p>		
<p>SCALE: HRS</p>		
<p>CUSTOMER: BISLD RAJASTHAN</p>		
<p>PROJECT NAME: CROSS SECTION @ GRID LINE</p>		
<p>DATE: 23-11-24</p>		



ROOF SHEETING PLAN



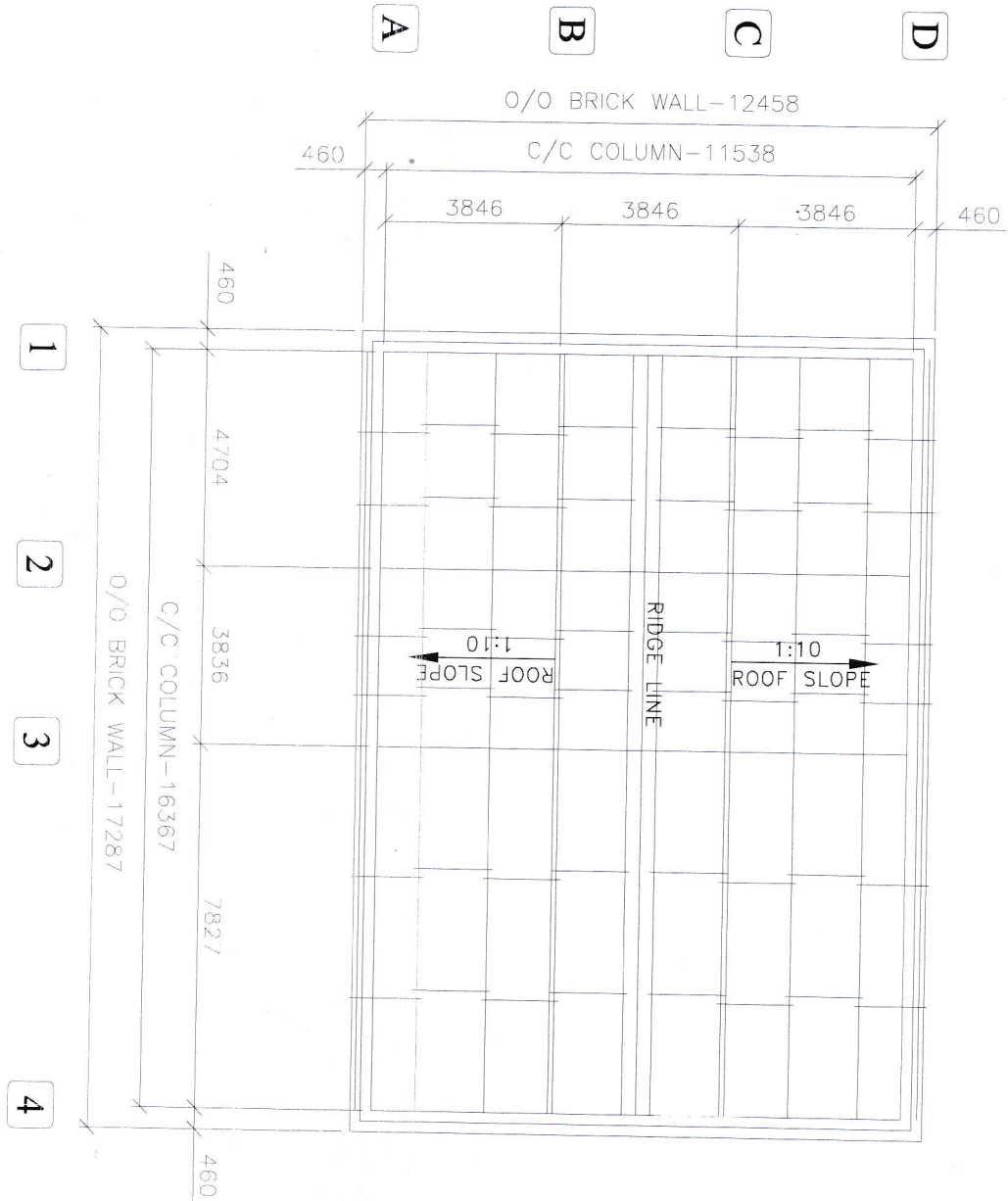
IMPORTANT NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS AND ALL LEVELS ARE IN METERS AOD.
 2. ALL ANCHOR BOLT DIMENSIONS ARE IN MM. ANCHOR BOLT PROTECTION TO BE CLASH.
 3. ANCHOR BOLTS SHALL BE SET PERPENDICULAR TO THE THEORETICAL BUILDING SURFACE.
 4. THE GUTTER IS RESPONSIBLE FOR THE ACCIDENTAL LOCATION OF THE BUILDING.
 5. THE ANCHOR BOLTS SHALL BE SET PERPENDICULAR TO THE THEORETICAL BUILDING SURFACE.
 6. ANCHOR BOLT SHALL BE SET TO THE GIVEN DIMENSION AND PROTECTION WITH THE CONSTRUCTION OF THE ROOF SHEETING.
 7. ALL DIMENSIONS AND PROTECTION SHALL BE CLASH.
 8. ALL DIMENSIONS AND PROTECTION SHALL BE CLASH.
 9. Anchor bolts shall be set perpendicular to the theoretical building surface unless noted. Anchor bolts should be protected during construction.
 10. Minimum grade of concrete for foundation columns should be M25.
 11. Anchor bolts conform to physical specifications of IS-2002.
 12. This building has been designed to support the following loads apart from its self weight.
- | NO. | UNIT | WIND SPEED | COLLECTOR LOAD | DEAD LOAD | LIVE LOAD | SOIL/WATER LOAD |
|--------|------------|------------|----------------|------------|-----------|-----------------|
| 0.15 | KN/SG/M | | | | | |
| 0.25 | TON/M | | | | | |
| 50 | M/S | | | | | |
| MEZZ-1 | 1000 KG/SG | 1000 KG/SG | 2000 KG/SG | 5000 KG/SG | | |
13. Primary braced connections shall be furnished with 180° Tension bolts (180°) of grade 400 B.
 14. Secondary braced connections shall be furnished with mild steel bolts.
 15. It is the civil contractor's responsibility to ensure that the correct size and grade of bolts are placed as indicated on the details.
 16. All steel members shall conform to IS 4000.
 17. All steel form members shall conform to IS 4000.
 18. Shear and tension are based on gross nominal area of the steel.
 19. All steel shall be black (unpainted).
 20. All welds as per AWS-D11.1 in India.

PROJECT CODE	1. ABC-160-2010/
SECURITY CODE	1. VBA-2012

SCALE	MIS
DESIGNER	BILOD RAJASTHAN
PROJECT	BILOD RAJASTHAN
DATE	23-11-24
REV	FOR APPROVAL
DATE	REVISION HISTORY
NAME	BILOD RAJASTHAN
TITLE	ANCHOR BOLT PLAN
NO	P-01
DATE	2024-11-24

ROOF FRAMING PLAN



IMPORTANT NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS AND ALL LEVELS ARE UNLESS NOTED.
2. ALL ANCHOR BOLT DIMENSIONS ARE IN MM. ANCHOR BOLT PROJECTION TO BE AS PER REQUIREMENT WITH THE DETAIL SHOWN IN ANCHOR BOLT PLAN & THE BOLT LINE AND BENCH MARKS AT THE BUILDING SITE.
3. ANCHOR BOLT SHALL BE KEPT PERPENDICULAR TO THE THEORETICAL BEARING SURFACE.
4. THE CONTRACTOR IS RESPONSIBLE FOR THE ACCURATE LOCATION OF THE BUILDING LINE AND BENCH MARKS TO BE LOCATED AND LEVEL TO WITHIN 10MM TOLERANCE.
5. THE FOUNDATION SHALL BE AS PER THE DETAIL SHOWN IN FOUNDATION PLAN. THE FOUNDATION SHALL BE KEPT PERPENDICULAR TO THE THEORETICAL BEARING SURFACE.
6. THE FOUNDATION SHALL BE KEPT PERPENDICULAR TO THE THEORETICAL BEARING SURFACE.
7. ALL ANCHOR BOLTS SHALL BE KEPT PERPENDICULAR TO THE THEORETICAL BEARING SURFACE.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURATE LOCATION OF THE BUILDING LINE AND BENCH MARKS TO BE LOCATED AND LEVEL TO WITHIN 10MM TOLERANCE.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURATE LOCATION OF THE BUILDING LINE AND BENCH MARKS TO BE LOCATED AND LEVEL TO WITHIN 10MM TOLERANCE.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURATE LOCATION OF THE BUILDING LINE AND BENCH MARKS TO BE LOCATED AND LEVEL TO WITHIN 10MM TOLERANCE.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURATE LOCATION OF THE BUILDING LINE AND BENCH MARKS TO BE LOCATED AND LEVEL TO WITHIN 10MM TOLERANCE.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURATE LOCATION OF THE BUILDING LINE AND BENCH MARKS TO BE LOCATED AND LEVEL TO WITHIN 10MM TOLERANCE.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURATE LOCATION OF THE BUILDING LINE AND BENCH MARKS TO BE LOCATED AND LEVEL TO WITHIN 10MM TOLERANCE.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURATE LOCATION OF THE BUILDING LINE AND BENCH MARKS TO BE LOCATED AND LEVEL TO WITHIN 10MM TOLERANCE.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURATE LOCATION OF THE BUILDING LINE AND BENCH MARKS TO BE LOCATED AND LEVEL TO WITHIN 10MM TOLERANCE.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURATE LOCATION OF THE BUILDING LINE AND BENCH MARKS TO BE LOCATED AND LEVEL TO WITHIN 10MM TOLERANCE.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURATE LOCATION OF THE BUILDING LINE AND BENCH MARKS TO BE LOCATED AND LEVEL TO WITHIN 10MM TOLERANCE.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURATE LOCATION OF THE BUILDING LINE AND BENCH MARKS TO BE LOCATED AND LEVEL TO WITHIN 10MM TOLERANCE.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURATE LOCATION OF THE BUILDING LINE AND BENCH MARKS TO BE LOCATED AND LEVEL TO WITHIN 10MM TOLERANCE.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURATE LOCATION OF THE BUILDING LINE AND BENCH MARKS TO BE LOCATED AND LEVEL TO WITHIN 10MM TOLERANCE.

NO.	DESCRIPTION	UNIT	QTY	REMARKS
1	1000 KG/CM ² M18 500KG/CM ² M18	NO.	1	
2	1000 KG/CM ² M18 500KG/CM ² M18	NO.	1	
3	1000 KG/CM ² M18 500KG/CM ² M18	NO.	1	
4	1000 KG/CM ² M18 500KG/CM ² M18	NO.	1	
5	1000 KG/CM ² M18 500KG/CM ² M18	NO.	1	
6	1000 KG/CM ² M18 500KG/CM ² M18	NO.	1	
7	1000 KG/CM ² M18 500KG/CM ² M18	NO.	1	
8	1000 KG/CM ² M18 500KG/CM ² M18	NO.	1	
9	1000 KG/CM ² M18 500KG/CM ² M18	NO.	1	
10	1000 KG/CM ² M18 500KG/CM ² M18	NO.	1	
11	1000 KG/CM ² M18 500KG/CM ² M18	NO.	1	
12	1000 KG/CM ² M18 500KG/CM ² M18	NO.	1	
13	1000 KG/CM ² M18 500KG/CM ² M18	NO.	1	
14	1000 KG/CM ² M18 500KG/CM ² M18	NO.	1	
15	1000 KG/CM ² M18 500KG/CM ² M18	NO.	1	
16	1000 KG/CM ² M18 500KG/CM ² M18	NO.	1	
17	1000 KG/CM ² M18 500KG/CM ² M18	NO.	1	
18	1000 KG/CM ² M18 500KG/CM ² M18	NO.	1	
19	1000 KG/CM ² M18 500KG/CM ² M18	NO.	1	
20	1000 KG/CM ² M18 500KG/CM ² M18	NO.	1	

13. The contractor shall be responsible for the accurate location of the building line and bench marks to be located and level to within 10mm tolerance.

14. The contractor shall be responsible for the accurate location of the building line and bench marks to be located and level to within 10mm tolerance.

15. The contractor shall be responsible for the accurate location of the building line and bench marks to be located and level to within 10mm tolerance.

16. The contractor shall be responsible for the accurate location of the building line and bench marks to be located and level to within 10mm tolerance.

17. The contractor shall be responsible for the accurate location of the building line and bench marks to be located and level to within 10mm tolerance.

18. The contractor shall be responsible for the accurate location of the building line and bench marks to be located and level to within 10mm tolerance.

19. The contractor shall be responsible for the accurate location of the building line and bench marks to be located and level to within 10mm tolerance.

20. The contractor shall be responsible for the accurate location of the building line and bench marks to be located and level to within 10mm tolerance.

DESIGN CODE : AS-2010/

SCALE : N/S

PROJECT : BSLD RAJASTHAN

DATE : 23-11-24

FOR APPROVAL :

REVISION HISTORY :

SCALE : N/S

DESIGNER : BSLD RAJASTHAN

PROJECT NAME :

DATE : 23-11-24

FOR APPROVAL :

REVISION HISTORY :

SCALE : N/S

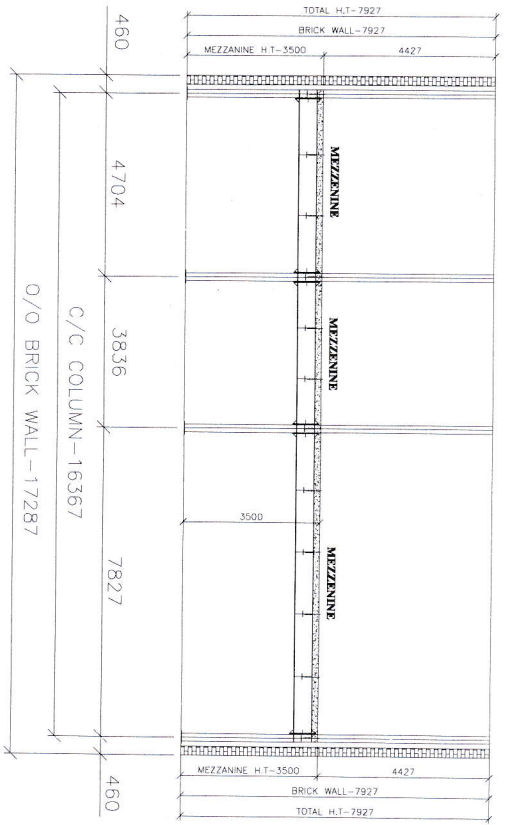
DESIGNER : BSLD RAJASTHAN

PROJECT NAME :

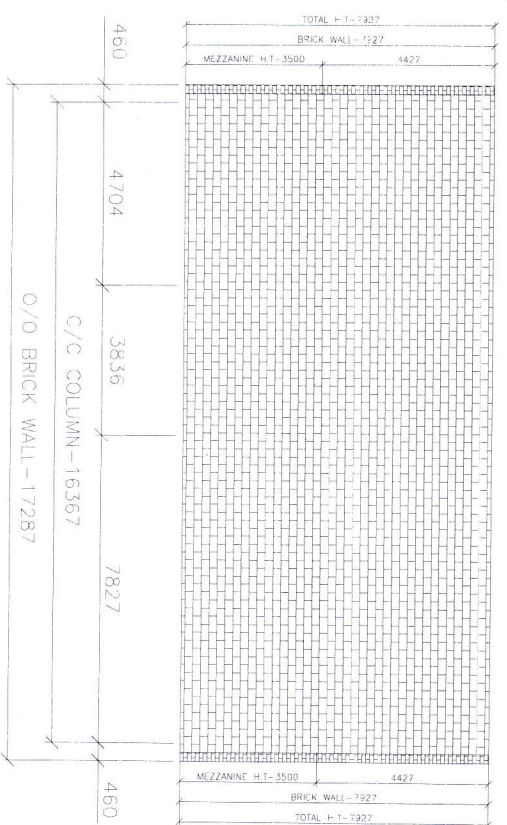
DATE : 23-11-24

FOR APPROVAL :

REVISION HISTORY :



SIDE WALL FRAMING ELEVATION A & D



SIDE WALL ELEVATION A & D

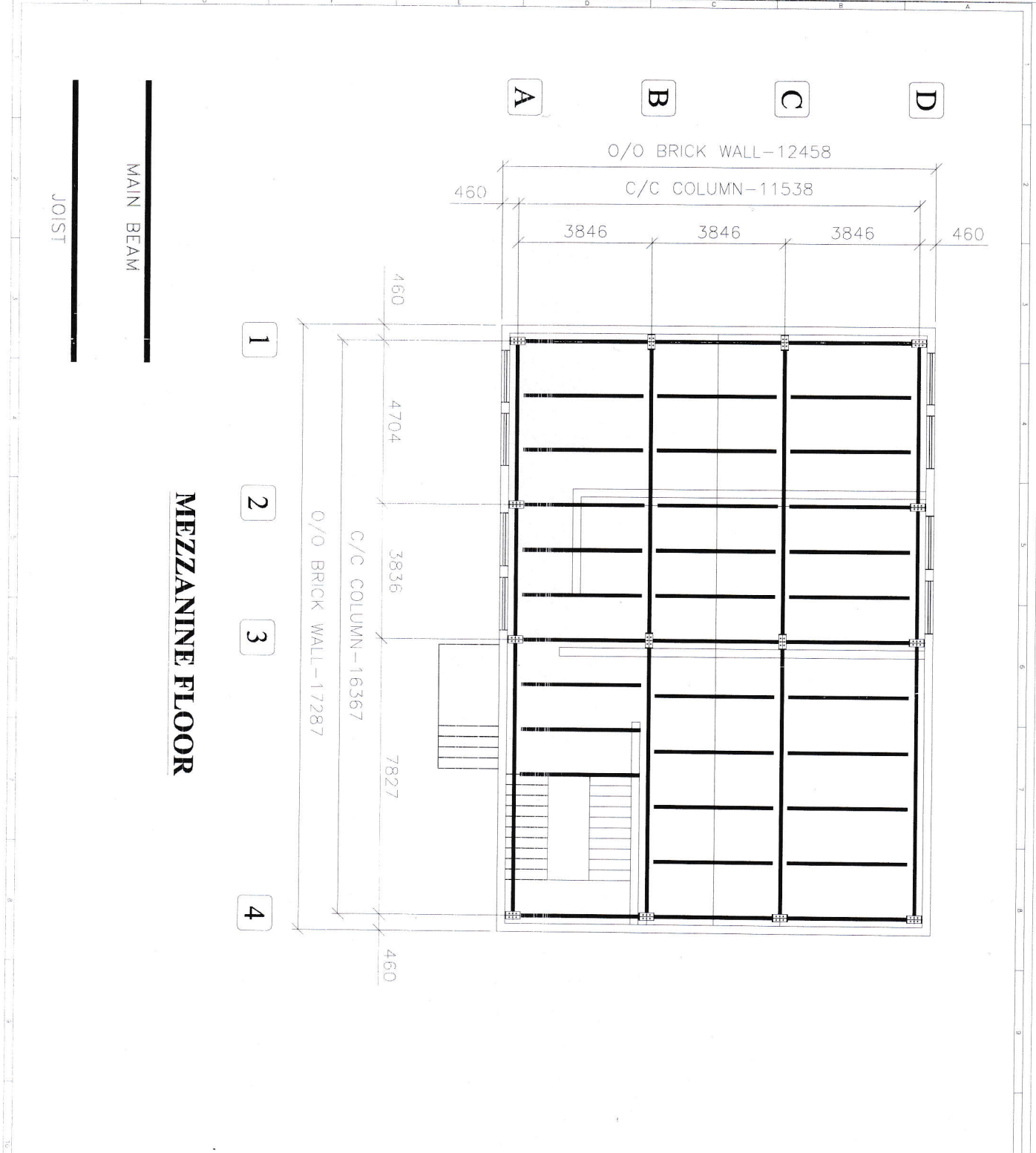
IMPORTANT NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS AND ALL LETTERS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
 2. ALL ANCHOR BOLT DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.
 3. ANCHOR BOLTS SHALL BE SET PERPENDICULAR TO THE THEORETICAL BEARING SURFACE TO BE CLAMPED.
 4. THE CONTRACTOR IS RESPONSIBLE FOR THE ACCURATE LOCATION OF THE BUILDING LINES AND BENCH MARKS AT THE BUILDING SITE.
 5. ANCHOR BOLTS PROVIDED ARE INTENDED TO BE USED TO HOLD DOWN THE FOUNDATION WALLS TO THE FOUNDATION. THE CONTRACTOR SHOULD BE PROTECTED DURING THE CONSTRUCTION OF THE FOUNDATION WALLS TO PREVENT DAMAGE TO THE ANCHOR BOLTS AND TO PREVENT THE ANCHOR BOLTS FROM BEING USED FOR ANY OTHER PURPOSES.
 6. ALL DIMENSIONS AND LOCATIONS ARE AS SHOWN ON THE DRAWINGS UNLESS OTHERWISE SPECIFIED.
 7. IN ANY PARTICULAR CASES WHERE THERE IS A DISCREPANCY BETWEEN THE DIMENSIONS AND LOCATIONS SHOWN ON THE DRAWINGS AND THE DIMENSIONS AND LOCATIONS SHOWN ON THE SITE, THE CONTRACTOR SHALL CONSULT WITH THE ARCHITECT FOR THE CORRECT DIMENSIONS AND LOCATIONS TO BE USED.
 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SERVICES AND UTILITIES AND FOR THE PROTECTION OF ALL ADJACENT PROPERTIES AND STRUCTURES.
 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SERVICES AND UTILITIES AND FOR THE PROTECTION OF ALL ADJACENT PROPERTIES AND STRUCTURES.
 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SERVICES AND UTILITIES AND FOR THE PROTECTION OF ALL ADJACENT PROPERTIES AND STRUCTURES.
 11. Anchor bolts conform to physical specifications of BS-5882.
 12. The equipment shall be used to support the following loads:
- | WIND SPEED (KTS) | WIND SPEED (M/S) | DEAD LOAD (KIP) | LIVE LOAD (KIP) | COLLECTOR LOAD (KIP) |
|------------------|------------------|-----------------|-----------------|----------------------|
| 50 | 15.24 | 1.000 | 0.500 | 0.500 |
| 60 | 18.28 | 1.000 | 0.500 | 0.500 |
| 70 | 21.32 | 1.000 | 0.500 | 0.500 |
| 80 | 24.36 | 1.000 | 0.500 | 0.500 |
| 90 | 27.40 | 1.000 | 0.500 | 0.500 |
| 100 | 30.44 | 1.000 | 0.500 | 0.500 |
13. Primary structural connections shall be furnished with 100% tensile bolts (13.8) of grade 6880.
 14. Secondary bolted connections shall be furnished with mild steel bolts of grade 4.8 or equivalent.
 15. It is the contractor's responsibility to ensure that the correct size and grade of bolts are placed as indicated on the details.
 16. All steel plates shall conform to BS-5882 (Pp. 3-20/82).
 17. All steel reinforcement shall conform to BS-5882 (Pp. 3-20/82).
 18. Shear and tension are based on gross nominal area of the bolt, not the threaded area.
 19. All welds are per AWS D1.1:83, Class 1.
 20. All welds are per AWS D1.1:83, Class 1.

DESIGN CODE : BS-5882-2010/
 SEVERABILITY : BS-5882-2010

NO.	DATE	REVISION HISTORY
01	23-11-24	FOR APPROVAL
02		
03		
04		

SCALE : NTS
 CUSTOMER : BISLD RAJASTHAN
 PROJECT : BISLD RAJASTHAN
 NAME :
 TITLE : SIDE WALL FRAMING DIVISION



MEZZANINE FLOOR

MAIN BEAM
JOIST

IMPORTANT NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS AND UNLESS OTHERWISE SPECIFIED THE UNITS ARE METERS (M).
2. ALL WORK SHALL BE IN ACCORDANCE WITH THE DESIGN SPECIFICATIONS AND THE DESIGN DRAWINGS.
3. ALL WORK SHALL BE IN ACCORDANCE WITH THE DESIGN SPECIFICATIONS AND THE DESIGN DRAWINGS.
4. ALL WORK SHALL BE IN ACCORDANCE WITH THE DESIGN SPECIFICATIONS AND THE DESIGN DRAWINGS.
5. ALL WORK SHALL BE IN ACCORDANCE WITH THE DESIGN SPECIFICATIONS AND THE DESIGN DRAWINGS.
6. ALL WORK SHALL BE IN ACCORDANCE WITH THE DESIGN SPECIFICATIONS AND THE DESIGN DRAWINGS.
7. ALL WORK SHALL BE IN ACCORDANCE WITH THE DESIGN SPECIFICATIONS AND THE DESIGN DRAWINGS.
8. ALL WORK SHALL BE IN ACCORDANCE WITH THE DESIGN SPECIFICATIONS AND THE DESIGN DRAWINGS.
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19. ALL WORK SHALL BE IN ACCORDANCE WITH THE DESIGN SPECIFICATIONS AND THE DESIGN DRAWINGS.
20. ALL WORK SHALL BE IN ACCORDANCE WITH THE DESIGN SPECIFICATIONS AND THE DESIGN DRAWINGS.

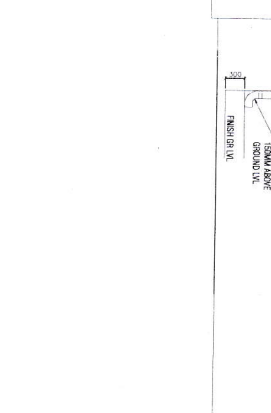
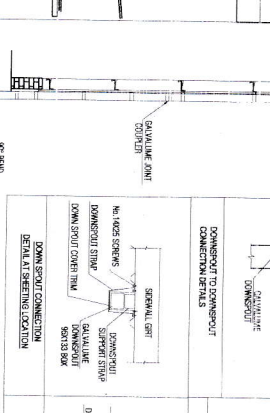
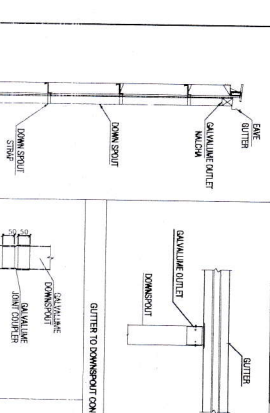
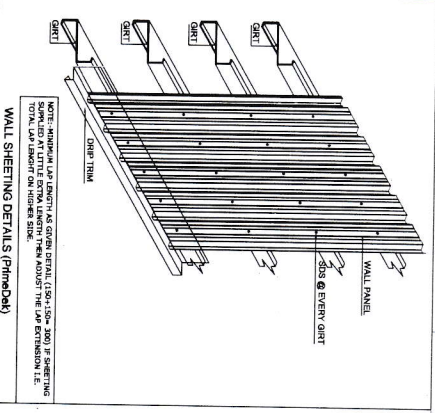
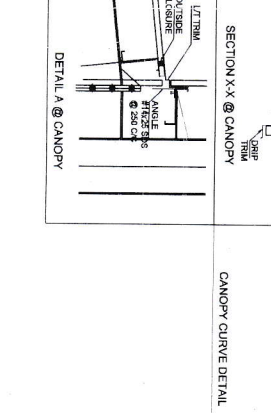
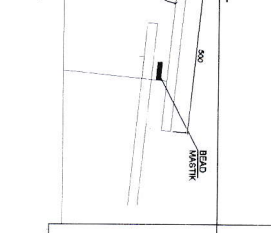
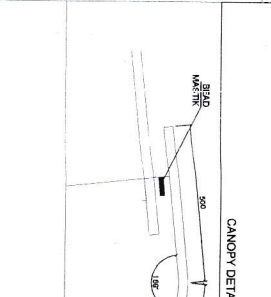
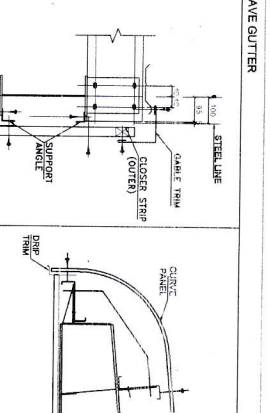
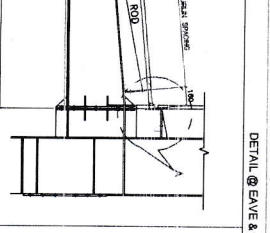
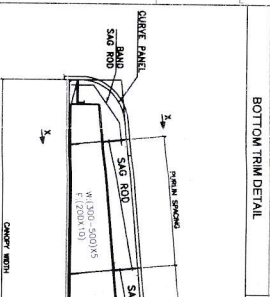
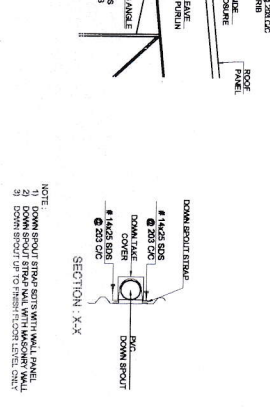
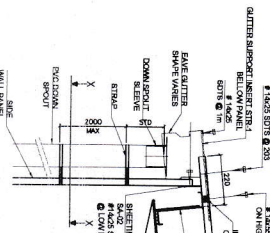
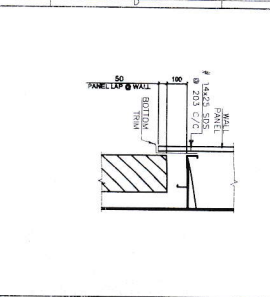
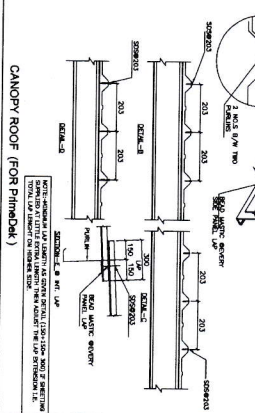
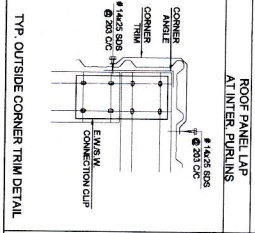
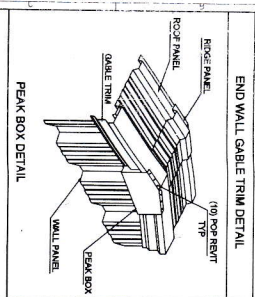
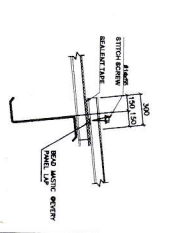
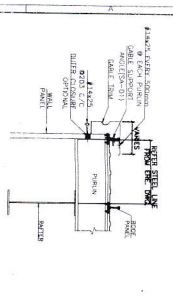
NO.	DESCRIPTION	UNIT	VALUE
1	DEAD LOAD	KN/CM ²	0.15
2	LIVE LOAD	KN/CM ²	0.57
3	WIND LOAD	KN/CM ²	0.57
4	SEISMIC LOAD	KN/CM ²	0.57
5	IMPACT LOAD	KN/CM ²	0.57
6	CRACKING LOAD	KN/CM ²	0.57
7	SLAB LOAD	KN/CM ²	0.57
8	WALL LOAD	KN/CM ²	0.57
9	CEILING LOAD	KN/CM ²	0.57
10	FLOOR FINISH LOAD	KN/CM ²	0.57
11	MEZZ-1: FLOOR FINISH LOAD	KN/CM ²	0.57
12	MEZZ-2: FLOOR FINISH LOAD	KN/CM ²	0.57

DESIGN CODE : IS: 456-1980-2010/
 DESIGNER : MHA 2013

NO.	DATE	FOR APPROVAL	REVISION HISTORY
01	23-11-24		

CUSTOMER : BSLD RAJASTHAN
 NAME : BSLD RAJASTHAN
 PROJECT : MEZZANINE FLOOR PLAN
 SCALE : NTS

DATE: 23-11-24
 P: 01



IMPORTANT NOTES

1. ALL DIMENSIONS ARE UNLESS OTHERWISE SPECIFIED IN METERS UNO.
2. ALL ANCHOR BOLTS TENSIONERS ARE TO BE INSTALLED IN ACCORDANCE WITH THE DETAIL SHOWN IN ANCHOR BOLT PLAN & THEREAFTER.
3. ANCHOR BOLT SHALL BE EPOXY RESIN/CONCRETE TO THE THEORETICAL ANCHOR SURFACE (U/O).
4. FORMWORK IS TO BE ERECTED AT THE THEORETICAL LOCATION OF THE BUILDING.
5. THE ISAN OR ISAN BOLT SHALL BE EPOXY AND LEVEL, TO WITHIN 5mm TO EXACT.
6. WALLS TO BE CONCRETE WITH REINFORCEMENT. THE REINFORCEMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAIL SHOWN IN ANCHOR BOLT PLAN & THEREAFTER.
7. ALL WALLS SHALL BE CONCRETE WITH REINFORCEMENT. THE REINFORCEMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAIL SHOWN IN ANCHOR BOLT PLAN & THEREAFTER.
8. ALL WALLS SHALL BE CONCRETE WITH REINFORCEMENT. THE REINFORCEMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAIL SHOWN IN ANCHOR BOLT PLAN & THEREAFTER.
9. ALL WALLS SHALL BE CONCRETE WITH REINFORCEMENT. THE REINFORCEMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAIL SHOWN IN ANCHOR BOLT PLAN & THEREAFTER.
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19. ALL WALLS SHALL BE CONCRETE WITH REINFORCEMENT. THE REINFORCEMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAIL SHOWN IN ANCHOR BOLT PLAN & THEREAFTER.
20. ALL WALLS SHALL BE CONCRETE WITH REINFORCEMENT. THE REINFORCEMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAIL SHOWN IN ANCHOR BOLT PLAN & THEREAFTER.

WIND	WIND SPEED (km/h)	WIND PRESSURE (kN/m²)	WIND LOAD (kN/m²)	WIND LOAD (kN/m²)
WIND - 1	30	0.5	0.5	0.5
WIND - 2	45	1.0	1.0	1.0
WIND - 3	60	1.5	1.5	1.5
WIND - 4	75	2.0	2.0	2.0
WIND - 5	90	2.5	2.5	2.5
WIND - 6	105	3.0	3.0	3.0
WIND - 7	120	3.5	3.5	3.5
WIND - 8	135	4.0	4.0	4.0
WIND - 9	150	4.5	4.5	4.5
WIND - 10	165	5.0	5.0	5.0
WIND - 11	180	5.5	5.5	5.5
WIND - 12	195	6.0	6.0	6.0
WIND - 13	210	6.5	6.5	6.5
WIND - 14	225	7.0	7.0	7.0
WIND - 15	240	7.5	7.5	7.5
WIND - 16	255	8.0	8.0	8.0
WIND - 17	270	8.5	8.5	8.5
WIND - 18	285	9.0	9.0	9.0
WIND - 19	300	9.5	9.5	9.5
WIND - 20	315	10.0	10.0	10.0
WIND - 21	330	10.5	10.5	10.5
WIND - 22	345	11.0	11.0	11.0
WIND - 23	360	11.5	11.5	11.5
WIND - 24	375	12.0	12.0	12.0
WIND - 25	390	12.5	12.5	12.5
WIND - 26	405	13.0	13.0	13.0
WIND - 27	420	13.5	13.5	13.5
WIND - 28	435	14.0	14.0	14.0
WIND - 29	450	14.5	14.5	14.5
WIND - 30	465	15.0	15.0	15.0
WIND - 31	480	15.5	15.5	15.5
WIND - 32	495	16.0	16.0	16.0
WIND - 33	510	16.5	16.5	16.5
WIND - 34	525	17.0	17.0	17.0
WIND - 35	540	17.5	17.5	17.5
WIND - 36	555	18.0	18.0	18.0
WIND - 37	570	18.5	18.5	18.5
WIND - 38	585	19.0	19.0	19.0
WIND - 39	600	19.5	19.5	19.5
WIND - 40	615	20.0	20.0	20.0
WIND - 41	630	20.5	20.5	20.5
WIND - 42	645	21.0	21.0	21.0
WIND - 43	660	21.5	21.5	21.5
WIND - 44	675	22.0	22.0	22.0
WIND - 45	690	22.5	22.5	22.5
WIND - 46	705	23.0	23.0	23.0
WIND - 47	720	23.5	23.5	23.5
WIND - 48	735	24.0	24.0	24.0
WIND - 49	750	24.5	24.5	24.5
WIND - 50	765	25.0	25.0	25.0
WIND - 51	780	25.5	25.5	25.5
WIND - 52	795	26.0	26.0	26.0
WIND - 53	810	26.5	26.5	26.5
WIND - 54	825	27.0	27.0	27.0
WIND - 55	840	27.5	27.5	27.5
WIND - 56	855	28.0	28.0	28.0
WIND - 57	870	28.5	28.5	28.5
WIND - 58	885	29.0	29.0	29.0
WIND - 59	900	29.5	29.5	29.5
WIND - 60	915	30.0	30.0	30.0
WIND - 61	930	30.5	30.5	30.5
WIND - 62	945	31.0	31.0	31.0
WIND - 63	960	31.5	31.5	31.5
WIND - 64	975	32.0	32.0	32.0
WIND - 65	990	32.5	32.5	32.5
WIND - 66	1005	33.0	33.0	33.0
WIND - 67	1020	33.5	33.5	33.5
WIND - 68	1035	34.0	34.0	34.0
WIND - 69	1050	34.5	34.5	34.5
WIND - 70	1065	35.0	35.0	35.0
WIND - 71	1080	35.5	35.5	35.5
WIND - 72	1095	36.0	36.0	36.0
WIND - 73	1110	36.5	36.5	36.5
WIND - 74	1125	37.0	37.0	37.0
WIND - 75	1140	37.5	37.5	37.5
WIND - 76	1155	38.0	38.0	38.0
WIND - 77	1170	38.5	38.5	38.5
WIND - 78	1185	39.0	39.0	39.0
WIND - 79	1200	39.5	39.5	39.5
WIND - 80	1215	40.0	40.0	40.0
WIND - 81	1230	40.5	40.5	40.5
WIND - 82	1245	41.0	41.0	41.0
WIND - 83	1260	41.5	41.5	41.5
WIND - 84	1275	42.0	42.0	42.0
WIND - 85	1290	42.5	42.5	42.5
WIND - 86	1305	43.0	43.0	43.0
WIND - 87	1320	43.5	43.5	43.5
WIND - 88	1335	44.0	44.0	44.0
WIND - 89	1350	44.5	44.5	44.5
WIND - 90	1365	45.0	45.0	45.0
WIND - 91	1380	45.5	45.5	45.5
WIND - 92	1395	46.0	46.0	46.0
WIND - 93	1410	46.5	46.5	46.5
WIND - 94	1425	47.0	47.0	47.0
WIND - 95	1440	47.5	47.5	47.5
WIND - 96	1455	48.0	48.0	48.0
WIND - 97	1470	48.5	48.5	48.5
WIND - 98	1485	49.0	49.0	49.0
WIND - 99	1500	49.5	49.5	49.5
WIND - 100	1515	50.0	50.0	50.0

DESIGN EDGE : ASCE-7-05/10
SEISMIC RISK : 1 - MEDIUM-2012

SCALE : NTS
CUSTOMER : B.S.D RAJASTHAN
NAME : B.S.D RAJASTHAN
PROJECT : FACTORY WAREHOUSE
DATE : 23-11-24
FOR APPROVAL : REGIONAL REGION
SCALE : NTS
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