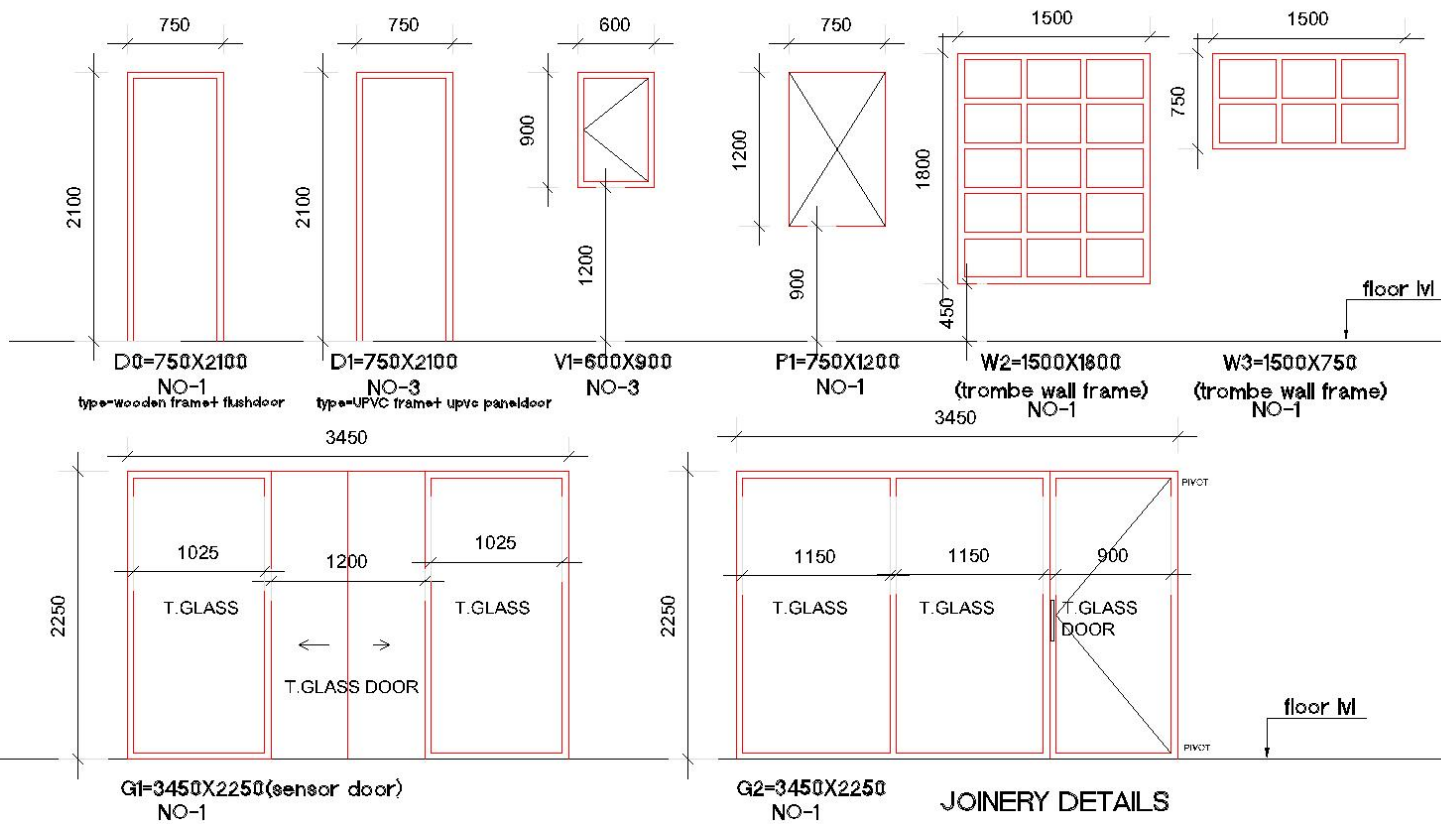


PLAN

KERB LINE

PROJECT TITLE: WINTER FRIENDLY BUS STOP FACILITY AT LEH LADAKH		CLIENT LEH TOWN MUNICIPALITY	EXECUTING AGENCY LEH TOWN MUNICIPALITY	SHEET TITLE : CONCEPT DRAWING		DRAWN BY : ARCHITECT CHECKED BY : ARCHITECT	PROJECT NO. 102	DRAWINGS MEANT FOR TENDER PURPOSES ONLY	ARCHITECTURAL CONSULTANTS: <b>NORTHERN ECO EARTH DESIGN SOLUTION</b> ARCHITECTS, PLANNERS, INTERIORS, LANDSCAPE, ENGINEERS Head Office: Leh Ladakh, India. E-mail: nortneco@rediffmail.com
DRAWING TITLE BUS STOP FACILITY				DATE 2023-07-01					





## JOINERY DETAILS

PROJECT TITLE: WINTER FRIENDLY BUS STOP FACILITY AT LEH LADAKH	CLIENT	PROJECTING AGENCY	SHEET TITLE	PROJECT NO	SHEET TITLE	ARCHITECTURAL CONSULTANT
	LEH REGIONAL GOVT (LEH)	PROJECTING AGENCY	DRAWING II: 1P	101	DRAWING MEANT FOR TENDER PURPOSES ONLY	
NOTES: THIS DRAWING IS THE PROPERTY OF NORTH EARTH DESIGN SOLUTIONS. IT IS TO BE USED FOR THE PROJECT ONLY. NO REUSE OR MODIFICATION IS ALLOWED WITHOUT THE WRITTEN PERMISSION OF NORTH EARTH DESIGN SOLUTIONS.		PROJECTING AGENCY	DRAWING II: 1P	101	ARCHITECTURAL CONSULTANT	



Technical cross-section drawing of a tunnel structure. The drawing shows a sloped roof structure with a 'SLOPE 75MM TO 300MM' and 'CCTV MONITORING' points. A 'rockwool insulation between wooden battens of 50 x 40 mm' is indicated. A 'BEAM AS PER STRUCTURE' is shown. A 'PASSAGE' is marked with a vertical dimension of 3375. The drawing includes various levels: 'pavement LVL +300', 'FL +300', and 'FL +525'. A 'plinth beam' is shown at 'RL ± 0 (consider road as ground lvl)'. The drawing is labeled with letters H, J, K, L, M, N, O, and dimensions 5615 and 4065. A section line is indicated on the left.

## H

road M(GL)

300x300  
plinth beam

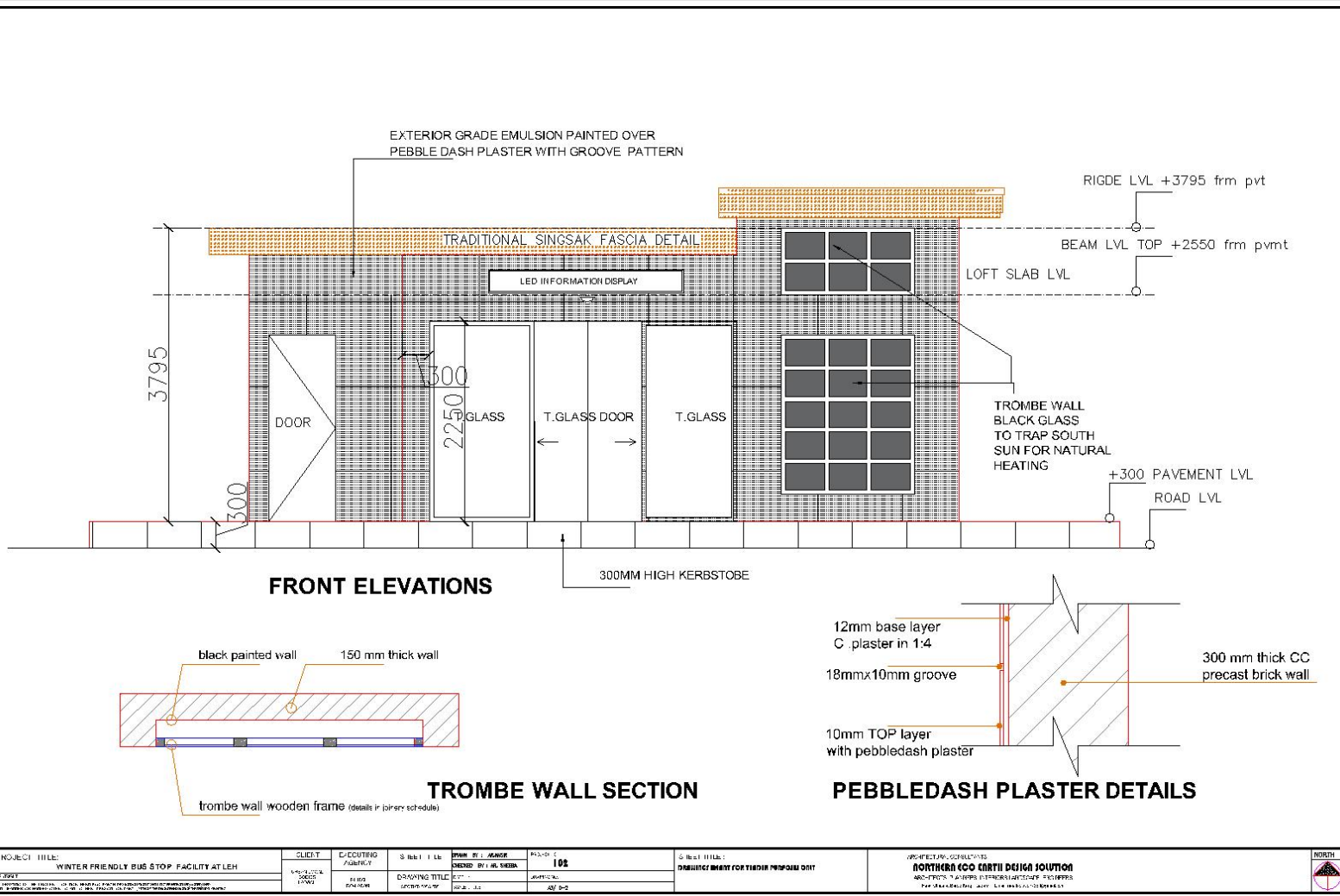
consolidated earth backfilling

RR stone masonry

0mm thick PCC (1:3:6) M10

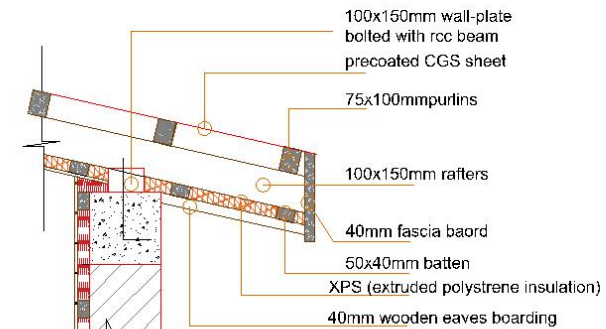
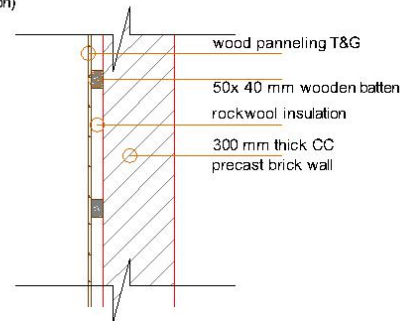
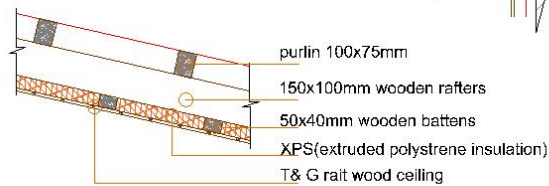
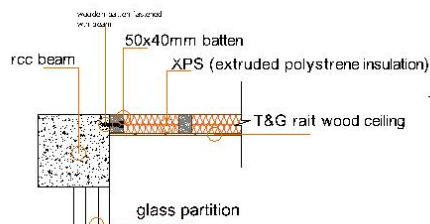
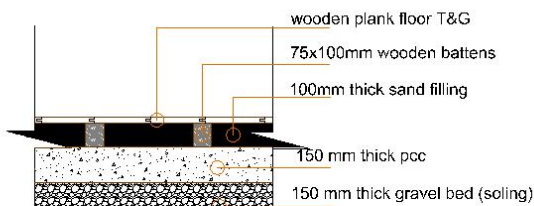
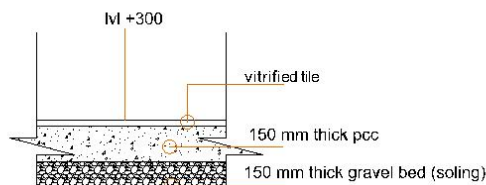
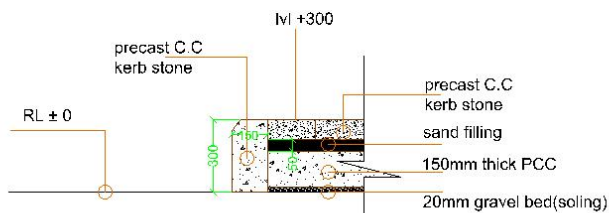
150mm thick SOLING

[illegible]



PROJECT TITLE: WINTER FRIENDLY BUS STOP FACILITY AT LEH	CLIENT: MUNICIPALITY OF LEH	DRAWING NUMBER: 11000	SHEET TITLE: SECTION - FRONT	DATE: 2023-11-15	DESIGNED BY: ARCHITECT	SCALE: 1/50	PROJECT TITLE: WINTER FRIENDLY BUS STOP FACILITY AT LEH	ARCHITECTURAL CONSULTANT: NORTHERN ECO ARCHITECTURE SOLUTION	NORTH
--	--------------------------------	--------------------------	---------------------------------	---------------------	---------------------------	----------------	--	---	-------





PROJECT TITLE: WINTER FRIENDLY BUS STOP FACILITY AT LEH	CLIENT: LEH MUNICIPAL CORPORATION	ARCHITECTING AGENCY: NORTHERN ECO ENRTH DESIGN SOLUTION	SHEET TITLE: 102		SHEET TITLE: DRAWINGS MEANT FOR TENDER PURPOSES ONLY	ARCHITECTURAL CONSULTANTS: NORTHERN ECO ENRTH DESIGN SOLUTION AND ITS TEAM MEMBERS IN THE FOLLOWING CAPACITIES: Architectural Design, Structural Design, MEP Design, etc.	NORTH
	DESIGNED BY: MR. SHOBHA	DRAWN BY: MR. SHOBHA	DATE:	DATE:			

Schedule of Quantities (Civil and bought-out items)

Name of work: Construction of winter friendly bus stop buildings at eleven locations in Leh town, UT of Ladakh

Note:The items contained in this schedule of quantities is indicative only. The bidder shall refer to the tender drawings, finishes matrix, specifications ,SCC of RFP for understanding the complete scope of work

S.No.	SSR 2020	Particulars of item	Qty	Unit	Rate (Rs)		Amount (Rs)	
					SSR-2020	NS	NS	SSR-2020
		Earth work in excavation by mechanical means (hydraulic excavator) in trenches for foundations, drains, pipes, cables etc. (not exceeding 1.5 m in width) and for shafts, wells, cesspits and the like not exceeding 10 sqm on plan, including dressing of sides and ramming of bottoms lift upto 1.5 m, including getting out excavated earth and disposal of surplus excavated earth as directed, within a lead of 50 metres: as directed by Engineer-in-charge.						
1	2.9.1	a)All kinds of soil	110.15	cum	252.05			27763.31
2	2.9.2	b)Ordinary rock	27.54	cum	470.00			12943.80
3	2.11	Filling available excavated earth (excluding rock) in trenches plinth, sides of foundation etc in layer not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, lead upto 50cm and lead up to 50 m and lift upto 1.5 mtr.	20.22	cum	198.70			4017.71
4	24.6.1	STONE SOLLING Dumping of stone including cost of stone (in horizontal on level)						
		Inside room floors below PCC	9.64	cum	906.40			8737.70
		STONE MASONRY						
5	7.1.1	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 ( 1 cement : 6 course sand : 12 graded stone aggregate 20 mm nominal size) upto plinth level with cement mortar 1:6 ( 1 cement : 6 course sand) Quarry	12.16	cum	4435.25			53932.64
6	7.3.1	Dry random rubble masonary with hard stone in foundation & plinth using quarry stone with bond stone	7.27	cum	2497.50			18156.83
		CONCRETE WORK						
7	4.4.5	Providing and laying position cement concrete of specified grade excluding the cost of centering and shuttering. All work upto plinth level 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) (crushed)	13.90	cum	4943.4			68713.26
		R.C.C WORK						
8	5.1.2	Providing and laying in position specified grade of reinforced cement concrete including curing but excluding the cost of centering, shuttering, finishing and reinforcement. All works upto plinth level 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	3.95	cum	7091.60			28011.82
9	5.2.2	Reinforced cement concrete work in walls (any thickness) including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts upto floor five level including curing but excluding cost of centering shuttering, finishing and reinforcement. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	2.16	cum	8552.85			18474.16
10	5.3.1	Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15°, landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto five level including curing but excluding the cost of centring, shuttering, finishing and reinforcement with 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	11.25	cum	8953.95			100731.94
		REINFORCEMENT						
11	5.22.6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level Thermo-Mechanically Treated bars of grade Fe-500D or more.	231.51	kg	79.25			18347.17
12	5.22A.6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level Thermo-Mechanically Treated bars of grade Fe-500D or more.	1155.00	kg	79.25			91533.75
		CENTERING AND SHUTTERING						
13	5.9.1	Centering and shuttering including strutting, propping etc. and removal of form for: Foundation, footing bases of column	14.88	sqm	262.30			3903.02
14	5.9.6	Centering and shuttering including strutting, propping etc. and removal of form for: Columns, pillars, piers, abutments, posts and struts.	26.52	sqm	680.15			18037.58
15	5.9.5	Centering and shuttering including strutting, propping etc. and removal of form for: Lintel, beams, plinth beams, girders, bressumers and cantilevers.	54.15	sqm	502.85			27229.33



16	5.9.3	Centering and shuttering including strutting, propping etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform.	31.02	sqm	635.60			19716.31
17	NS	Masonry with Precast cement concrete blocks:- Masonry with precast cement concrete blocks made from cement concrete ofmix 1:3:6 (1 cement : 3 coarse sand : 6 stone aggregates of 12 mm nominal size) of required size in foundation and upto plinth level	9.45	cum	11000.00			103950.00
		a) In Cement Mortar 1:6						
18	NS	Masonry with Precast cement concrete blocks:- Masonry with precast cement concrete blocks made from cement concrete ofmix 1:3:6 (1 cement : 3 coarse sand : 6 stone aggregates of 12 mm nominal size) of required size in Superstructure	15.47	cum	12378.95			191502.36
		a) In Cement Mortar 1:6						
19	9.1.1	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia and length (hold fast lugs or dash fastener shall be paid for seperately) First class teak wood	0.40	cum	190594.00			76237.60
20	9.6.1	Providing and fixing panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for seperately,all complete as per direction of Engineer-in-charge.(second class teak wood 35 mm thick shutter)	2.09	sqm	4324.40			9038.00
21	9.8.1	Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40mm thick.Second Class teak wood	2.00	sqm	3500.85			7001.70
22	11.3.3	Cement concrete flooring 1:2:4 (1cement: 2 coarse sand: 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry and curing complete, but excluding the cost of nosing of steps etc. complete.	8.16	sqm	505.00			4120.80
23	13.4.1	12mm Cement plaster of mix 1 : 4 ( 1 cement : 4 coarse sand)	102.42	Sqm	260.05			26634.32
24	13.23	Pebble dash plaster upto 10m height above ground level with a mixture of washed pebble or crushed stone 6mm to 12.5mm nominal size dashed over and including fresh plaster in two layers, under layer 12mm cement plaster 1:4 (1 cement: 4 Coarse sand) and top layer 10mm cement plaster with cement mortar 1:3 (1 cement: 3 fine sand) mixed with 10% finely grounded hydrated lime by volume of cement.	38.47	Sqm	609.85			23460.93
		Providing and fixing plained eaves boarding including facia (Ladakhi Traditional Shingtang of height 450 mm in approved design and patternr including finishing with approved quality polish/varnish)complete as perr the directions of Engineer-in-Charge.						
25	12.69.1.2	2nd class Deodar wood	78.12	RM	1587.90			124046.75
26	13.88.1	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	102.42	Sqm	129.50			13263.39
27	13.50	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade on New work (two or more coats) over and including priming coat with water thinnable cement primer (Black Paint to be used for Trombe Wall)	140.89	sqm	149.05			20999.65
28	13.94.1	Finishing walls with 100% Premium acrylic emulsion paint having VOC less than 50 gm/litre and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade (Company Depot Tinted) with silicon additives.						
		a)New work (Two or more coats applied @ 1.43 litre/10 sqm. Over & including priming coat of exterior primer applied @ 0.90 litre/10 sqm.	38.47	sqm	149.40			5747.42
29	13.6	Applying priming coat: With ready mixed pink or grey primer of approved brand and manufacture on wood work (hard and soft wood)	28.13	sqm	59.50			1673.74
30	N.S	Preparing newly primed wooden surface for painting by way of filling of putty sand papering rubbing complete.	28.13	sqm		141.60	3983.21	

31	13.70.1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade: Two or more coats on new work. (Black Paint for WAITING LOUNGE Flooring)	28.13	sqm	121.95			3430.45
32	9.12	Extra for providing heavy sheet float glass panes instead of ordinary float glass in glazed doors, windows and clerestory window shutters. (Area of opening for glass panes excluding portion inside rebate shall be measured) 5.0mm thick instead of 4 mm thick	3.13	sqm	267.60			837.59
33	9.141 DSR	Providing and fixing PVC Door Frame of size 50x47 mm with a wall thickness of 5 mm (± 0.2 mm), made out of single piece extruded PVC profile, with mitred cut joints and joint with 2 nos of PVC bracket of size 190 mm x 100 mm long arms of cross section size 35 x 15 mm & self driven self tapping screws, the vertical door profiles to be reinforced with 40x20 mm M.S. rectangular tube of 0.8 mm , including providing EPDM rubber gasket weather seal throughout the frame, including jointing 5 mm PVC frame strip with PVC solvent cement on the back of the profile. The door frame to be fixed to the wall using 8 x100 mm long anchor fasteners complete, all as per manufacturer's specification and direction of Engineer -in- charge.	17.10	RM	456.80			7811.28
34	9.142 DSR	35 mm thick factory made Solid panel PVC Door shutter, made out of single piece extruded soild PVC profiles, 5 mm (± 0.2 mm) thick, having styles & rails (except lock rail) of size 95 mmx 35 mm x 5 mm, out of which 75 mm shall be flat and 20 mm shall be tapered (on both side), having one side thickness of 15 mm integrally extruded on the hinge side of the profile for better screw holding power, including reinforcing with MS tube of size 40 mm X 20 mm x 1 mm, joints of styles & rails to be mitered cut & joint with the help of PVC solvent cement, self driven self tapping screws & M.S. rectangular pipes bracket of size 190 mm X 100 mm of cross section size 35 mm x 17 mm x 1 mm at each corner. Single piece extruded 5 mm thick solid PVC Lock rail of size 115 mm x 35 mm, out of which 75 mm to be flat and 20 mm to be tapered at both ends, having 15 mm solid core in middle of rail section integrally extruded, fixing the styles & rails with the help of solvent and self driven self tapping screws of 125 mm x 11 mm, including providing 5 mm Single piece solid PVC extruded sheet inserted in the door as panel, all complete as per manufacturer's specification and direction of Engineer-in-charge.	4.50	Sqm	3240.80			14583.60
		a) Non-decorative finish(matt finish)						
35	9.83	Providing & Fixing finished brass hanging type floor door stopper with necessary screws etc complete.	4.00	Each	143.45			573.80
		Providing and fixing aluminum handles ISI marked anodized (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour and shade with necessary screws etc. complete.						
36	9.102.2	a)100 mm	8.00	Each	52.30			418.40
		Providing and fixing aluminum tower bolts ISI marked anodized (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete :						
37	9.99.4	a)150 x10mm	8.00	Each	80.35			642.80
		and fixing aluminum sliding door bolts ISI marked anodized (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete :						
38	9.98.1	a) 300x16 mm	1.00	Each	292.80			292.80
		<b>FLOORING</b>						
39	11.52.2	Providing and laying vitrified floor tiles in different sizes (thickness tobe specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622 of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1cement :4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete i.e Size of tile 600x600 mm (With Double Charge tiles)	11.63	sqm	1482.00			17235.66
		<b>WOODEN FLOORING</b>						
40	11.43.4.1	Wooden planking, tongued and grooved in flooring including fixing with iron screws complete including finishing with polish:25 mm thick Second class teak wood	7.13	sqm	4999.75			35648.22
		<b>GI SHEET</b>						

41	12.23	Providing and fixing precoated galvanized iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	42.10	sqm	626.25			26365.13
42	9.3.1	Providing hoisting and fixing trusses/purlins /rafters /posts/ post-plates or like components including cost of screws etc. complete with Second class Kail wood	1.44	cum	161111.80			232000.99
43	9.4.6	Providing wood work in frames of walls,false ceiling, partitions etc. sawn and fixed in position :Budloo / Fir wood	0.42	cum	60102.80			25243.18
44	NS	Providing and filling sand of coarser grade (zone III) in between wooden joist of waiting lounge flooring 100 mm compacted thickness.Filling shall be done with Sand having total compacted thickness 100 mm , including compacting the layer by rolling/ ramming , all complete as per drawing and direction of Engineer -in - charge.	0.89	cum	988.20			879.50
45	N.S	Providing and fixing 12 mm thick tongued and grooved Pine wood (Soft Wood ) 100 mm to 125 mm wide planks panelling or wall panels in walls and celing includining all necessary fixtures including cornice with necessary screws, priming and polishing coat on exposed surface etc., complete. Brand - Rait Wood	21.98	Sqm		1730.40	38034.19	
46	N.S	Preparing newly prepared panneled surface for polishing by way of filling of putty , sealer and sand papering rubbing and applying hard polish,glossy polish in sequence over the prepared surface complete job	21.98	Sqm		1121.00	24639.58	
47	12.52.2	Providing and fixing thermal insulation with specified wool and density conforming to IS: 8183, 50 mm thick, wrapped in 200G Virgin Polythene bags fixed to walls with screws, rawl plugs and washers and held in position by criss-crossing GI wire etc. complete as per directions of Engineer-in-charge.	19.06	Sqm	281.15			5358.72
48	8.31	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS:15622 (thickness to be specified by the manufacturer) of approved make in colours, shades except burgundy bottle green, black of any size as approved by engineer-in-charge in Skirting, risers of steps, and dados, over 12 mm thick bed of cement mortar 1:3 ( 1 cement : 3 course sand) and jointing with grey cement slurry @3.3kg/sqm including pointing the joint with white cement and matching pigments etc., complete.	18.11	sqm	1161.05			21026.62
49	NS	Supply & installation of Dormakaba single leaf frameless glass Door of size 900 x 2250 (Height) of make with sidepanel using 12mm thick toughened glass approved equivalent with Dormakaba Crown series make die cast patch fitting with stainless steel cover PT 10,PT 20 , PT 24 ,US-10, . Dorma pull Handle TGDI-H 450 back to back with 350mm CTC, adjustable fixing for glass ,Length =450mm, 25mm dia, -SS304 Finish: mill , Dormakaba floor spring BTS 75V with std. spindle and cover plate. As per DIN EN 1154.(500,000 cyle tested ) , Finish: Satin stainless steel.Dorma floor stop half dome with 45mm dia with fixing accessories, in satin Chrome . The above work complete in all respect as per approved drawings and to the satisfaction of Engineer-in-Charge.	1	No.		25545	25545	
50	NS	Supply & installation of 12mm thick fixed toughened glass in glazing (lounge glass partition)with dormakaba Crown series Wall Connecting Profile including of clamping parts with screws and gasket for 12 mm glass with SS cover profile on both side(bottom,top and on wall) having std length of 3000mm x40mm x32 mm ,Finish : SS , The Wall Connecting profile should be used around the walls surrounding the toughened glass partition . The above work complete in all respect and should be as per approved drawings andas per the directions of Engineer-in-Charge.	6.08	Sqm		11822	71878	
		Providing and fixing water closet squatting pan ( Indian type W.C. pan) with 100 mm sand cast Iron P or Strap, 10 litre low level P.V. C. flushing cistern including flush pipe (of approved make) "manually controled device (handle lever) conforming to IS:7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required.						

51	19.1.2	a)Orissa pattern white vitreous china W.C. pan of size 580x440 mm with integral type foot rests. JAGUAR/CERA Make	1.00	Nos.	4019.50			4019.50
		Providing and fixing white vitreous china pedestal type water closet (European type W.C . pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern including flush pipe with manually controlled device (handle lever) conforming to IS:7231, with all fittings and fixtures, complete including cutting and making good the walls and floors wherever required:						
52	19.2.1	a)W.C. pan with ISI marked white solid plastic seat and lid. JAGUAR/CERA Make	1.00	Nos.	3456.10			3456.10
		Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required :						
53	19.5.1	a)Single half stall urinal with 5 litre white P.V.C automatic flushing cistern of approved quality.	1.00	Nos.	6379.20			6379.20
		Providing and fixing wash basin with C.I./M.S. brackets, 15mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required:						
54	19.7.1 DSR	White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps JAGUAR / CERA/HINDWARE Make	4.00	Nos.	2218.20			8872.80
55	BASIC RATE S.NO 7115	Providing and fixing of mirrors of superior glass with plastic moulded frame(of approved quality) and of required size and shape. With 6mm thick hard board backing. Rectangular Shape 1500 x 450 mm	2.00	Nos.	826.00			1652.00
		Providing and fixing uPVC (Type-B)soil ,waste & vent pipe						
56	N.S	uPVC Pipe. 100mm dia for soil pipe of 3.00m long	6	No		1871	11223	
57	N.S	uPVC Pipe. 75mm dia for waste and sullage water of 3.00 m long	5	No		1419	7095	
58	N.S	uPVC Bend 100mm dia	4	No		323	1290	
59	N.S	uPVC Bend 75mm dia	4	No		323	1290	
60	N.S	uPVC Tee 100mm dia	4	No		387	1548	
61	N.S	uPVC Tee 75mm dia	5	No		387	1935	
62	N.S	uPVC Collar 100mm dia	5	No		258	1290	
63	N.S	uPVC Collar 75mm dia	5	No		194	968	
64	N.S	uPVC trap 100mm dia	3	No		581	1742	
65	N.S	uPVC trap 75mm dia	4	No		516	2064	
66	N.S	uPVC Socket 100mm dia	5	No		258	1290	
67	N.S	uPVC Socket 75mm dia	6	No		258	1548	
68	N.S	uPVC door junction 100mm dia	3	No		452	1355	
69	N.S	uPVC door junction 75mm dia	4	No		452	1806	
		Providing and fixing 3 layer Thermex Pipe PP-R (Poly propylene Random copolymer)pipes conforming to IS: 15801, UV stabilized and anti-microbial fusion welded, having thermal stability for hot and cold water supply including all PP-R plain and brass threaded Polypropylene random fittings. This includes testing of joints complete as per direction of Engineer-incharge.Internal work Concealed fixing the pipe with clamps at 1.00 meter spacing including cutting chases and making good the wall etc.						
70	19.2.2.3	a)PN-16 pipe , 25mm OD(SDR-7.4)	30.00	Rm	433.00			12990.00
71	19.2.2.4	b)PN-16 pipe , 32mm OD(SDR-7.4)	21.00	Rm	498.90			10476.90
72	NS	Providing and fixing CP brass toilet paper holder including cost of wodden,PVC,play etc.(Including paper)	2.00	Nos	750.00			1500.00
73	N.S	Providing and fixing Wall mount Liquid Soap Dispenser of approved brand	3.00	Nos		1548.00	4644.00	
		Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.						
74	19.73.1	450 mm long towel rail with total length of 495 mm, 78 mm wide and effective height of 88 mm, weighing not less than 170 gms	3.00	Nos	802.70			2408.10
75	N.S	Providing and fixing 15 mm C.P. brass tap with elbow operation lever	6.00	Nos		579.60	3477.60	
76	N.S	Providing and fixing 15 mm C.P. brass 2 in 1 tap	2.00	Nos		579.60	1159.20	
77	N.S	Providing and installation of Loft water tank capacity 500 ltrs of approved brand (SYNTEX loft Water tank IWS-62-01 dimen: 4'-6"x3'-2"x1'-9"ht) along with cover and all other enabling works.	2.00	Nos		5767.25	11534.50	

		Providing and fixing 50 mm thick extruded polystyrene rigid insulation board of required size underdeck on ceiling surface, complying with ISO 4898:2008 & ASTM C 578-08b - type VI, having thermal conductivity of 0.0289 W/m K as per ASTM C 578 (measured as per IS 3346), compressive strength of> 350 kPa listed as per ASTM D 1621, density of 34-36 kg/cum as per ASTM D 1622, water absorptions < 1% by volume as per ASTM D 2842, oxygen index of 24.1 to 28.1 listed as per ASTM D 2863, cell size 0.4 mm of dia(max) as per ASTM D 3576. Fire retardant property as per DIN 4102, Part 1 of class B2 and as per ASTM E84 class A, fixed with suitable water based adhesive and fastener, complete in all respect as per the direction of Engineer-in-Charge.						
78	31.8	a) In Ceiling of Lounge, kiosk and passage with Type SE-Self Extinguishing type 50 mm thick	28.01	sqm	867.60			24300.39
79	16.94	Providing and laying factory made chamfered edge Cement Concrete paver blocks in footpath, parks, lawns, drive ways or light traffic parking etc, of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand complete all as per direction of Engineer-in-Charge. a)80 mm thick C.C. paver block of M-30 grade with approved color design and pattern.	48.44	Sqm	864.25			41864.27
		Supplying and fixing Manhole cover with frame for manholes:						
80	7136	a)Circular shape 560 mm dia precast R.C.C. manhole cover with frame EHD 35	3.00	Each	1170.00			3510.00
		<b>KERB LINE</b>						
81	16.75	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement in position to the required line, level and curvature jointed with cement mortar 1:3 (1 cement: 3 coarse sand) including making joints with or without grooves (thickness of the joints except at sharp curve shall not to be more than 5mm) including making drainage opening wherever required complete etc. as per direction of Engineer-incharge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	1.87	cum	8328.30			15573.92
82	23.60	Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound consisting of applying : (a) after surface preparation, first layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound@ 0.253 kg/sqm. (b) laying second layer of Fibre glass cloth when the first layer is still green. Overlaps of joints of fibre cloth should not be less than 10 cm. (c) third layer of 1.5 mm thickness consisting of slurry of cement @ 1.289 kg/sqm mixed with water proofing cement compound @ 0.670 kg./sqm. and coarse sand @1.289 kg/sqm. This will be allowed to air cure for 4 hours followed by water curing for 48 hours. The entire treatment will be taken upto 30cm on parapet wall and tucked into groove in parapet all around. (d) fourth and final layer of brick tiling with cement mortar (which will be paid for separately) For the purpose of measurement the entire treated surface will be measured.	5.74	Sqm	518.60			2976.76
		Forming groove of uniform size in the top layer of washed stone grit plaster/pebble dash plaster as per approved pattern using wooden battens, nailed to the under layer, including removal of wooden battens, repair to the edges of panels and finishing the groove complete as per specifications and direction of the Engineer-in-charge :						
83	13.81.1	15 mm wide and 15 mm deep groove	54.00	Mtr	57.40			3099.60
84	N.S	Supply and installation of High Quality self regulating heat tracer for Specialized Heating Solutions for Winterisation of water pipeline including all accessories complete including power connector-two way-6 sq.mm, w.p. splice connector,w.p. tee connector,end seal,mounting kit-w.p. jb,g.i. pipe strap 4" ,al. adhesive tape roll ( 50 mm w x 20 m l),f.g. adhesive tape roll (DANFOSS Make OR CHROMALOX any other approved brand as per the direction of Engineer-In-Charge)	70.00	RM		950.00	66500.00	
85	N.S	Supplying and fixing High Quality 32mm thick Nitrile Insulation Tube for water pipeline of approved brand 50 mm sizee (Armaflex Class-o Armacell)	55.00	RM		251	13807.48	
86	1.1.2	Disposal of Mulba/Excavated Earth Beyond 50m (Lead upto 6Km) Outside Town Area (CARRIAGE OF MATERIALS By Mechanical Transport including loading, unloading and stacking)	69.73	Cum	240.42			16764.49

87	NS	Supply & Installation of heavy duty Dorma brand (dormakaba ES200 model) Fully Automatic Sliding 12mm toughned glass door operator with WCP profiles system (Front elevation glazing of overall size 3450x2250 mm comprising fixed glass on either side and two automatic sliding shutters in the middle), which is compliant with European standards and produced according to the guidelines for power-operated windows, doors and gates BGR 232, the UVV and the VDE regulations. TÜV design tested, tested according to the low voltage guidelines, production according to ISO 9001:2000 certification. Fulfils the DIN V18650 (prEN 12650). Automatic Sliding Door Operator should have mounting backplate for easy installation and a flexible track profile for improved noise & vibration dampening and easy maintenance. Microprocessor-controlled control unit. Self-learning, with adjustable parameters for opening and closing speed, hold-open time and opening and closing force. Class of protection IP 20. DORMA ES200 EASY 4150mm Operators are of very sturdy design with Self balancing Panel suspension system and with Anti-Jump fitting with clear passage width of 700 -	1.00	job		378463	378463.00	
		Door Panel weight max 2x100 kg. With the following accessories Function programs: Program Modes: - Off, Automatic, Permanent open, Exit only, Partial open.Door Panel weight max 2x100 kg. With the following accessories Function programs: Program Modes: - Off, Automatic, Permanent open, Exit only, Partial open. Adjustable Hold Open Time: Hold Open is easily adjustable at module as per client's requirement, Hold Open Time: 0.5 – 30 Sec. Adjustable Parameters Via parameter display and selection key at electronic module. Adjustable Opening Speed: 10 -50 Cm/S, Adjustable Closing Speed: 10 – 40 Cm/S, Auto Error Display, with Error Code Display for error correction. Read-out error store with error codes Emergency off – Connection for Emergency Off Button, On activation Operator will Open Fully and Stop all functions, enabling passenger to pass through in case of Panic. Safety devices:Inbuilt Obstruction detection feature with automatic reversing cycle on obstruction, dynamic and static force limitation, emergency control unit (emergency stop), Safety PhotoCells: 1/ 2 Pair of PhotoCells are provided for safety of passenger standing in line of motion of Moving Panel and						
		The automatic sliding door system shall function smoothly evn in winter temperatures that prevail in Leh .Final certifications of products should be submitted be from the product manufacturer for the originality of the product .The item includes all civil and electrical enabling works complete as per the directions Engineer-in-Charge . The above work complete in all respect as per approved drawings and to the satisfaction of Engineer-in-Charge.The pheriphery of the glazing on all four sides shall be sealed with approved sealent both from inside and outside to make the system air-tight.						
88	N.S	Supply and INSTALLATION OF CCTV 2MP having 60 mtr length range with channel sets , cables complete installation with 1 TB Seagate HDD and other accessories	1	SET		106490.00	106490.00	
89	N.S	Supplying and fixing of Stainless Steel Chairs with cushion with cushion on seat and backrest( 3-Seater set)	3	SET		30226.60	90679.80	
90	N.S	SUPPLY AND INSTALLATION OF OUTDOOR LED SCREEN P10 resolution DIP346 SINGLE COLOUR DISPLAY (RED) SIZE OF SCREEN 9.45 FT X 1.57 FT INCLUDING MODULES , POWER SUPLIES , IRON CABINET IP65 WATERPROOF , WIFI CONTROL CARD WITH SOFTWARE	1	SET		43071.18	43071.18	
91	N.S	Supply ,Installation,Testing and Commissioning of stainless steel (SS 304 grade) outdoor advertisement board of size 5x4 feet comprising all required features for advertisement from both sides of the board.The advertisement board shall be fixed rigidly into the ground at .The rate includes all enabling works for SITC of the board.	1	SET		44379.00	44379.00	
92	N.S	Supply of Sintex brand PVC wheeled dustbins of capacity 120 Litres of different clours for segregated waste collection with foot pedal	3	No.		7491.10	22473.30	
93	N.S	Supply,Installlation,Testing and Commissioning of Reversible Diakin brand SPLIT AC 1.5 TON air-conditioner including copper piping , insulation ,approved brand 12 AMP stablizer , stand and drain pipe Complete all as per the directions of Engineering -in-Charge	1	NO		108273.00	108273.00	
94	N.S	Supply , installation, testing and commissioning of ABC Fire Extinguisher, 6 Kg (Safex brand)	2	SET		3953.47	7906.94	
95	N.S	Supply,installation,testing and commissioning of Hi-Flow MP1-1.0HP 1PH Centrifugal Pump of Havells or Crompton brand including all electrical and plumbing connectionns for supply of water to loft tnks from municipal water tankers	1	NO		8050	8050.00	
96	N.S	Supply, Installation , Testing and Commissioning High Density LED information display board HINLED-P4 resolution for indoor fixed installation size 4x3 feet fixed inside the lounge including all necessary electrical works.The information display board shall have the following features: a)MODULE SIZE : 192x192 b)MODULE RESOLUTION : 64*64 c)BRIGHTNESS – 1100 Nits d)PIXEL DENSITY : 111111 dots/m2 e)PIXEL CONFIGURATION : SMD 212 f)NOVASTAR RECEIVING CARD	1	SET		118450.00	118450.00	



97	N.S	Supply,Installation ,Testing and Commissioninng of P3 resolution FIXED INDOOR advertisement panel of size 8x3 feet inside the lounge including all necessary electrical works.The advertisement panel shall have followinng features: a)MODULE SIZE : 192x192 b)MODULE RESOLUTION : 64*64 c)BRIGHTNESS – 1100 Nits d)PIXEL DENSITY : 111111 dots/m2 e)PIXEL CONFIGURATION : SMD 212 f)NOVASTAR RECEIVING CARD	1	SET		222548.00	222548.00	
				GRAND TOTAL			1452429.24	1680120

**Schedule of Quantities (Electrical items)**

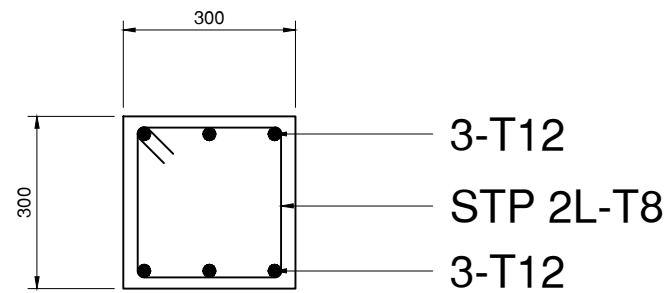
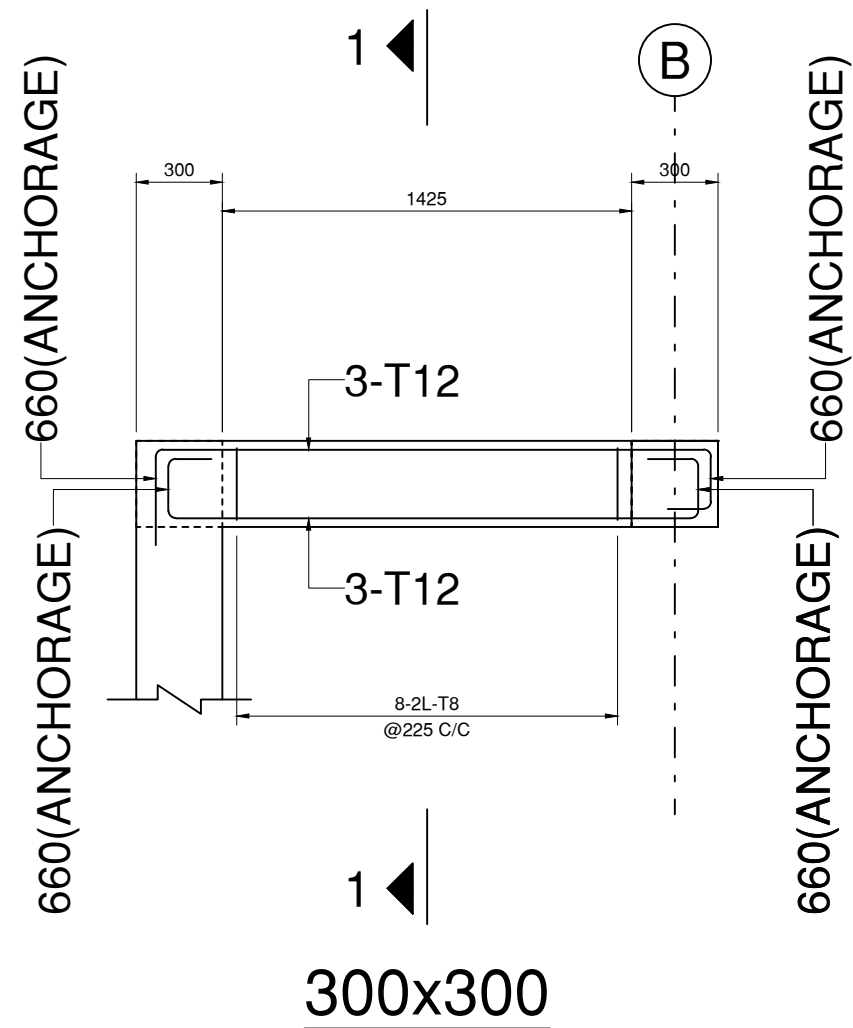
**Name of work: Construction of winter friendly bus stop buildings at eleven locations in Leh town, UT of Ladakh**

**Note: The items contained in this schedule of quantities is indicative only. The bidder shall refer to the tender drawings, finishes matrix, specifications, SCC of RFP for understanding the complete scope of work**

S. No.	DSR 2018	Particular of items	Unit	Qty.	Rate (Rs)		Amount (Rs)	
					DSR-18	N.S	DSR-18	N.S
1		Wiring for light point/ fan point/ exhaust fan point/ with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed PVC conduit and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.	point	12	800		9600	
		Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required.						
2		a) 2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	Mtr	146	208		30368	
3		b) 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Mtr	167	229		38243	
4		Supplying/installation//testing and commissioning of (08 W) LED slim panel round shape with complete accessories.	Each	4		1153.45		4613.8
5		Supplying/installation//testing and commissioning of (12 W) LED slim panel round shape with complete accessories.	Each	2		1424.85		2849.7
6		Supplying/installation//testing and commissioning of (15 W) LED slim panel round shape with complete accessories.	Each	3		1831.95		5495.85
7		Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required. ( 25mm)	Mtr	104	90		9360	
		Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.						
8		a) 1 or 2 Module (75mmX75mm)	Each	1	243		243	
9		b) 3 Module (100mmX75mm)	Each	3	267		801	
10		c) 4 Module (125mmX75mm)	Each	6	287		1722	
11		d) 6 Module (200mmX75mm)	Each	7	222		2221	

		Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.						
12		a) 5/6 A switch	Each	24	85		2040	
13		b) 15/16 A switch	Each	9	132		1188	
14		c) 3 pin 5/6 A socket outlet	Each	12	111		1332	
15		d) 6 pin 15/16 A socket outlet	Each	8	175		1400	
16		e) indicator	Each	2	100		200	
		Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.						
17		a) 200 mm	Each	1		2300		2300
		Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)						
18		a) 18 way, double door	Each	1	2500		2500	
		supplying and fixing of 5 Amps to 63 Amps, 240V, "B series, ISI Mark" miniature circuit breakers suitable for lighting and other loads of following poles in the existing MCB DB complete with connections, testing and commissioning etc as required:						
19		a) Single pole 6A, SP MCB	Each	4	199		796	
20		b) Single pole 16A , SP MCB	Each	9	199		1791	
21		c) Double pole 63A, DP MCB	Each	1	556		556	
22		d) 40A ,DP Changeover switch	Each	1		1000		1000
		Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required						

24		Installation, testing and commissioning of wall fan with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.	Each	2		3400		6800
25		Supply,Installation,Testing and Commissioning of 50 litres electrical storage geyser of Five Star Rating(Horizontal type), including the cost of pvc connection pipes,stop cocks, ,required electrical power sockets,wiring complete all as per directions of Engineer-in-Charge.	Each	1		21000		21000
26	NS	Supply,Installation,Testing and Commissioning of 2KWp Solar Photo Votaic cell lighting system including all components as specified complete.	Each	1		389648		389648
			TOTAL =				<b>106566</b>	<b>433707.4</b>



<div>M20 , Fe 500</div>		
CLEAR COVER:-		
FOUNDATION	=	50 MM
COLUMN	=	40 MM
BEAM	=	25 MM
SLAB	=	20 MM
NOTE:-		
1. Bearing capacity has been taken @140 kN/m² at 2 m below N.G.L. as per client.		
2. Grade of Concrete shall be M-20 .		
3. Cement grade 43.		
4. Steel - HYSD - Fy =500 N/mm².		
5. Aggregate shall be 20Ø down graded crushed stone.		
NHIDCL		
ARCHITECTS:		
NORTHERN ECO EARTH DESIGN SOLUTION		
CLIENT:		
R&B II KARGIL		
STRUCTURE CONSULTANTS :		
NORTHERN ECO EARTH DESIGN SOLUTION		
<small>This document is the property of Engineering Consultants &amp; Planners.NEEDS. Its use is only for this project. It shall not be reproduced, copied or disclosed to a third party without prior written consent of the company.</small>		
PROJECT:		
WINTER FREINDLY BUSSTOP FACILITY AT		
KARGIL LADAKH		
<div>FOR EXECUTION</div>		
DRAWN	SHEEBA	
DESIGNED	Er NAWAZ	
CHECKED	Er MOHD ALI	
SHEET TITLE:		
PROJECT YEAR	DWG. NO.	PAGE SIZE
2021	STR-080	A3
SIGN/STAMP:		
DATE	07-04-2021	REV.

PROJECT TITLE:  
WINTER FREINDLY  
BUSSTOP AT  
KARGIL

CLIENT  
NHIDCL

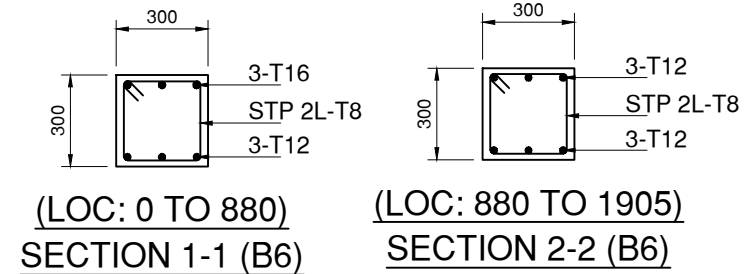
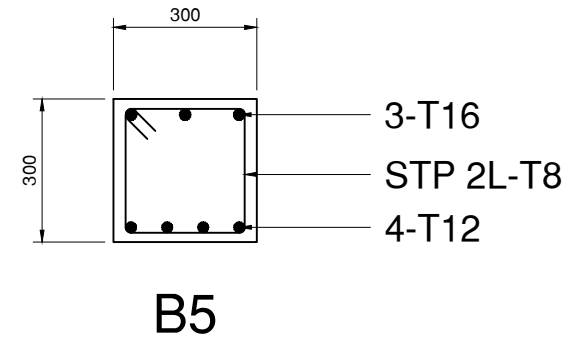
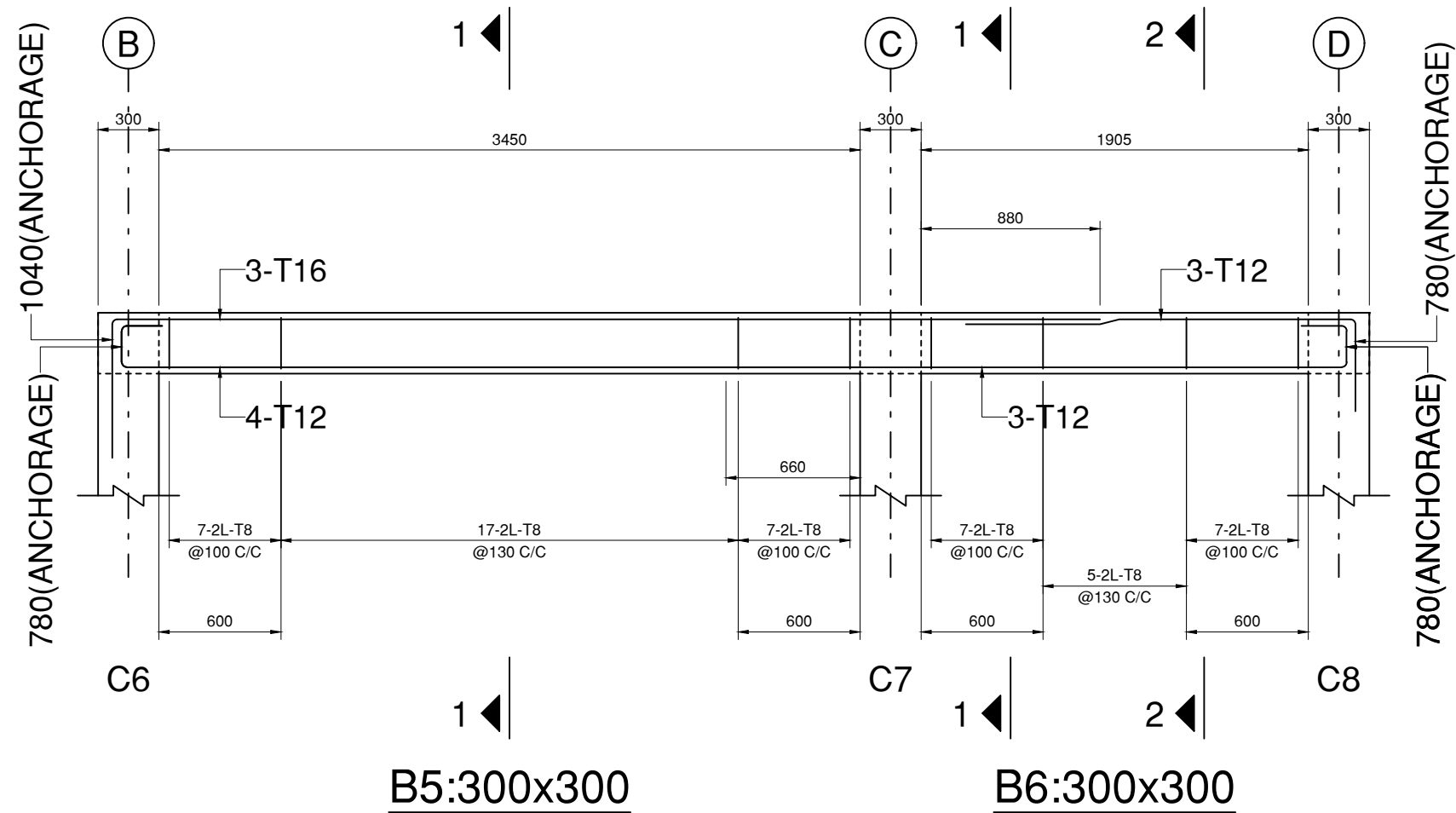
SHEET TITLE :  
STRUCTURE DRAWINGS OF  
BEAMS  
B1,B2,B3,B4,B7,B8,B9,B10  
  
DRAWING TITLE :  
PLAN

DRAWN BY : AR.SHEEBA  
CHECKED BY : AR. SHAID  
  
DATE :  
SCALE : N.T.S.

PROJECT NO:  
**S12**  
  
DRAWING NO:  
A4/ 02

ARCHITECTURAL CONSULTANTS :  
**NORTHERN ECO EARTH DESIGN SOLUTION**  
ARCHITECTS, PLANNERS, INTERIORS, LANDSCAPE, ENGINEERS  
Head Office at Baroo Kargil, Ladakh Email: needsolutions360@gmail.com





**M20 , Fe 500**

**CLEAR COVER:-**

FOUNDATION	= 50 MM
COLUMN	= 40 MM
BEAM	= 25 MM
SLAB	= 20 MM

**NOTE:-**

1. Bearing capacity has been taken @140 kN/m<sup>2</sup> at 2 m below N.G.L. as per client.
2. Grade of Concrete shall be M-20 .
3. Cement grade 43.
4. Steel - HYSD - Fy =500 N/mm<sup>2</sup>.
5. Aggregate shall be 20Ø down graded crushed stone.

NHIDCL

ARCHITECTS:  
NORTHERN ECO EARTH DESIGN SOLUTION

CLIENT: R&B II KARGIL

STRUCTURE CONSULTANTS :  
NORTHERN ECO EARTH DESIGN SOLUTION  
This document is the property of Engineering Consultants & Planners,NEEDS. Its use is only for this project. It shall not be reproduced, copied or disclosed to a third party without prior written consent of the company.

PROJECT:  
WINTER FREINDLY BUSSTOP FACILITY AT  
KARGIL LADAKH

**FOR EXECUTION**

DRAWN	SHEEBA
DESIGNED	Er NAWAZ
CHECKED	Er MOHD ALI

SHEET TITLE:

PROJECT YEAR	DWG. NO.	PAGE SIZE
2021	STR-080	A3

SIGN/STAMP:

DATE	07-04-2021	REV.
------	------------	------

PROJECT TITLE:  
WINTER FREINDLY  
BUSSTOP AT  
KARGIL

CLIENT  
NHIDCL

SHEET TITLE :  
STRUCTURE DRAWINGS OF  
BEAMS

DRAWING TITLE :  
PLAN

DRAWN BY : AR.SHEEBA  
CHECKED BY : AR. SHAID

DATE :  
SCALE : N.T.S.

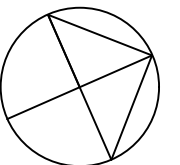
PROJECT NO:  
**S12**

DRAWING NO:  
A4/ 02

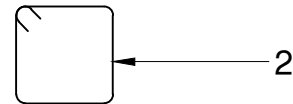
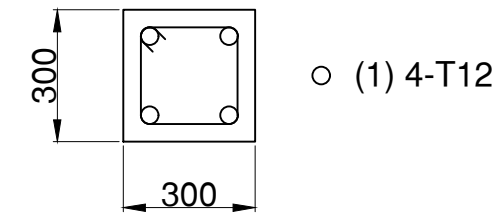
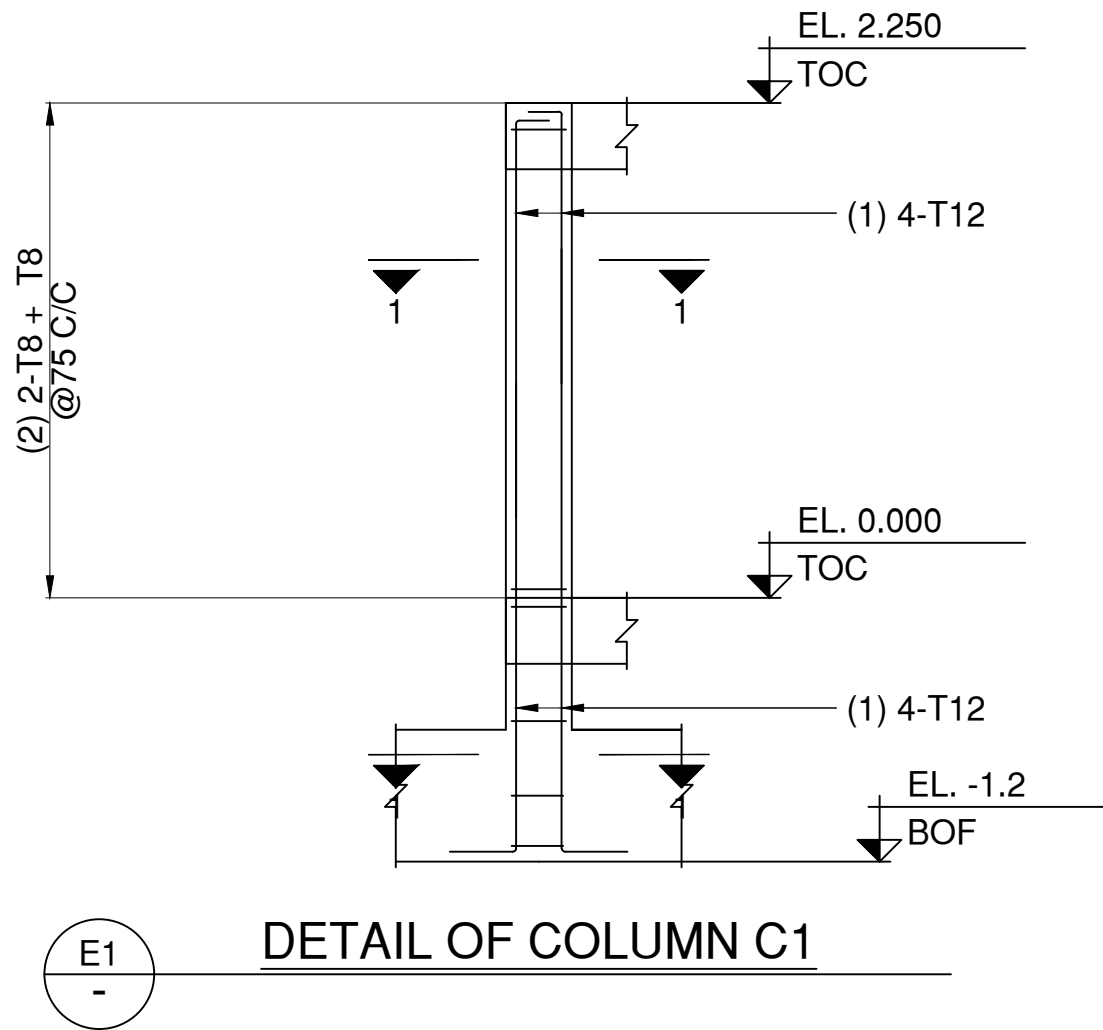
ARCHITECTURAL CONSULTANTS :

**NORTHERN ECO EARTH DESIGN SOLUTION**  
ARCHITECTS, PLANNERS, INTERIORS, LANDSCAPE, ENGINEERS  
Head Office at Baroo Kargil, Ladakh Email: needsolutions360@gmail.com

**NORTH**







<div>M20 , Fe 500</div>		
CLEAR COVER:-		
FOUNDATION	=	50 MM
COLUMN	=	40 MM
BEAM	=	25 MM
SLAB	=	20 MM
NOTE:-		
1. Bearing capacity has been taken @140 kN/m <sup>2</sup> at 2 m below N.G.L. as per client.		
2. Grade of Concrete shall be M-20 .		
3. Cement grade 43.		
4. Steel - HYSD - Fy =500 N/mm <sup>2</sup> .		
5. Aggregate shall be 20Ø down graded crushed stone.		
NHIDCL		
ARCHITECTS:		
NORTHERN ECO EARTH DESIGN SOLUTION		
CLIENT:		
R&B II KARGIL		
STRUCTURE CONSULTANTS :		
NORTHERN ECO EARTH DESIGN SOLUTION		
<small>This document is the property of Engineering Consultants &amp; Planners,NEEDS. Its use is only for this project. It shall not be reproduced, copied or disclosed to a third party without prior written consent of the company.</small>		
PROJECT:		
WINTER FREINDLY BUSSTOP FACILITY AT		
KARGIL LADAKH		
FOR EXECUTION		
DRAWN	SHEEBA	
DESIGNED	EY NAWAZ	
CHECKED	EY MOHD ALI	
SHEET TITLE:		
PROJECT YEAR	DWG. NO.	PAGE SIZE
2021	STR-080	A3
SIGN/STAMP:		
DATE	07-04-2021	REV.

PROJECT TITLE:  
WINTER FREINDLY  
BUSSTOP AT  
KARGIL

CLIENT  
NHIDCL

SHEET TITLE :  
STRUCTURE DRAWINGS OF  
COLUMN

DRAWING TITLE :  
PLAN

DRAWN BY : AR.SHEEBA

CHECKED BY : AR. SHAID

DATE :

SCALE : N.T.S.

PROJECT NO:  
**S12**

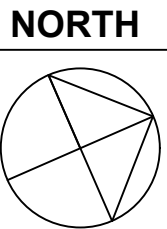
DRAWING NO:  
A4/ 02

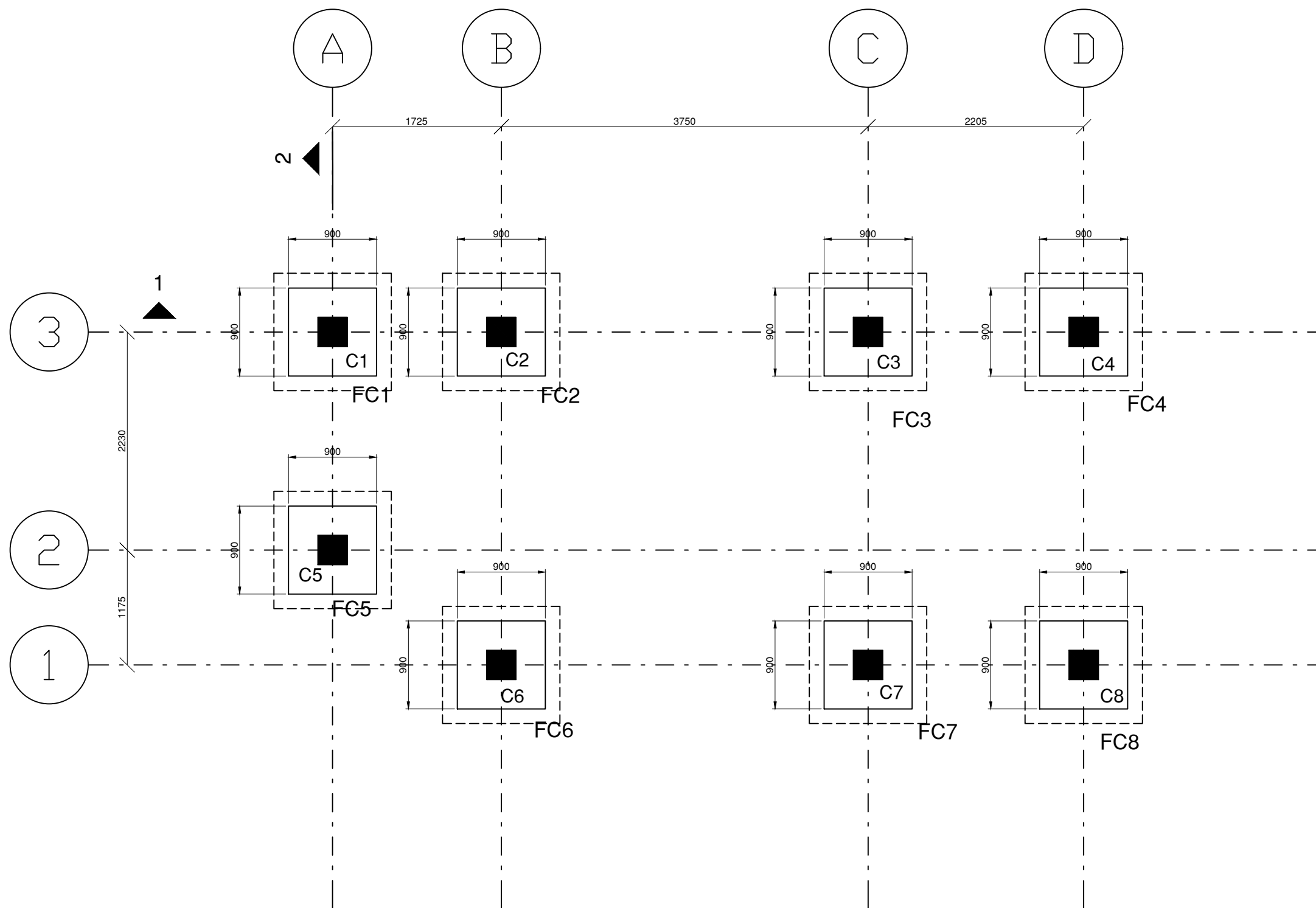
ARCHITECTURAL CONSULTANTS :

**NORTHERN ECO EARTH DESIGN SOLUTION**

ARCHITECTS, PLANNERS, INTERIORS, LANDSCAPE, ENGINEERS

Head Office at Baroo Kargil, Ladakh Email: needsolutions360@gmail.com





<div>M20 , Fe 500</div>		
CLEAR COVER:-		
FOUNDATION	=	50 MM
COLUMN	=	40 MM
BEAM	=	25 MM
SLAB	=	20 MM
NOTE:-		
1. Bearing capacity has been taken @140 kN/m <sup>2</sup> at 2 m below N.G.L. as per client.		
2. Grade of Concrete shall be M-20 .		
3. Cement grade 43.		
4. Steel - HYSD - Fy =500 N/mm <sup>2</sup> .		
5. Aggregate shall be 20Ø down graded crushed stone.		
NHIDCL		
ARCHITECTS:		
NORTHERN ECO EARTH DESIGN SOLUTION		
CLIENT:		
R&B II KARGIL		
STRUCTURE CONSULTANTS :		
NORTHERN ECO EARTH DESIGN SOLUTION		
<small>This document is the property of Engineering Consultants &amp; Planners.NEEDS. Its use is only for this project. It shall not be reproduced, copied or disclosed to a third party without prior written consent of the company.</small>		
PROJECT:		
WINTER FRIENDLY BUSSTOP FACILITY AT KARGIL LADAKH		
FOR EXECUTION		
DRAWN	SHEEBA	
DESIGNED	Er NAWAZ	
CHECKED	Er MOHD ALI	
SHEET TITLE:		
PROJECT YEAR	DWG. NO.	PAGE SIZE
2021	STR-080	A3
SIGN/STAMP:		
DATE	07-04-2021	REV.

PROJECT TITLE:  
WINTER FREINDLY  
BUSSTOP AT  
KARGIL

CLIENT  
NHIDCL

SHEET TITLE :  
FOOTING LAYOUT

DRAWING TITLE :  
PLAN

DRAWN BY : AR.SHEEBA

CHECKED BY : AR. SHAID

DATE :

SCALE : N.T.S.

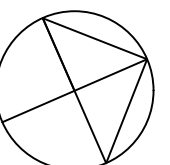
PROJECT NO:  
**S12**

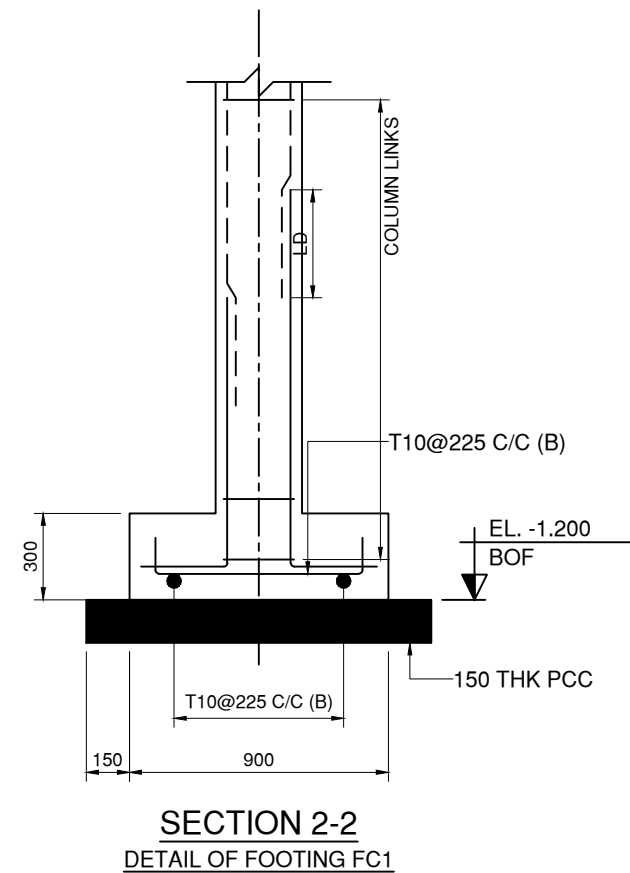
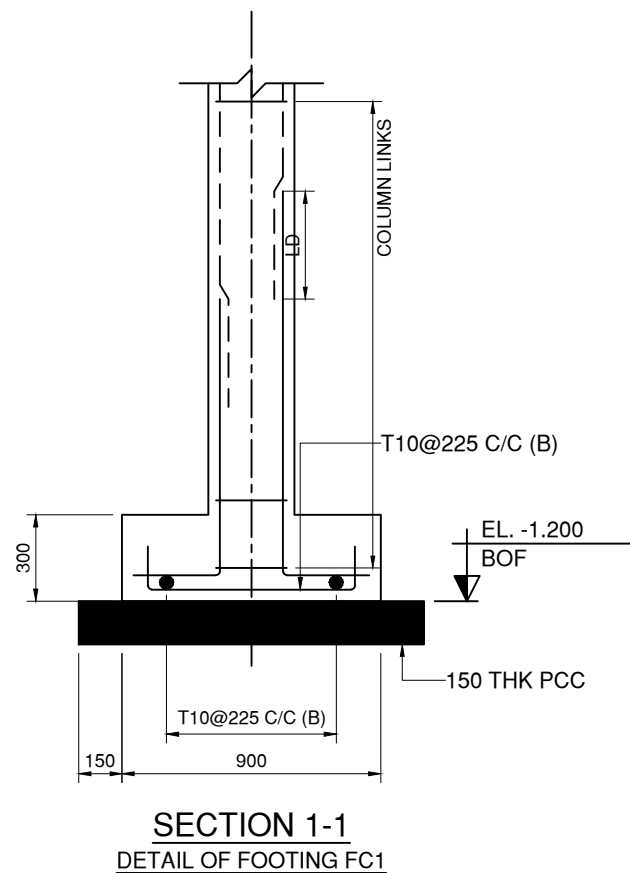
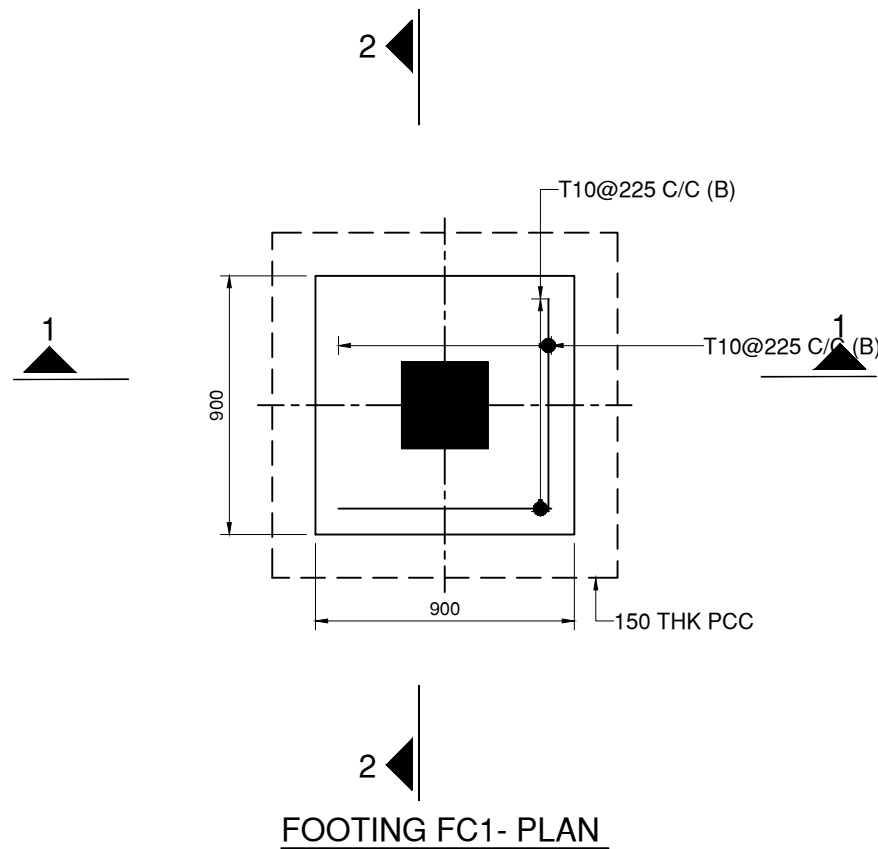
DRAWING NO:  
A4/ 02

ARCHITECTURAL CONSULTANTS :

**NORTHERN ECO EARTH DESIGN SOLUTION**  
ARCHITECTS, PLANNERS, INTERIORS, LANDSCAPE, ENGINEERS  
Head Office at Baroo Kargil, Ladakh Email: needsolutions360@gmail.com

**NORTH**





<div>M20 , Fe 500</div>		
<div>CLEAR COVER:-</div>		
FOUNDATION	=	50 MM
COLUMN	=	40 MM
BEAM	=	25 MM
SLAB	=	20 MM
<div>NOTE:-</div>		
1. Bearing capacity has been taken @140 kN/m² at 2 m below N.G.L. as per client.		
2. Grade of Concrete shall be M-20 .		
3. Cement grade 43.		
4. Steel - HYSD - Fy =500 N/mm².		
5. Aggregate shall be 20Ø down graded crushed stone.		
NHIDCL		
ARCHITECTS:		
NORTHERN ECO EARTH DESIGN SOLUTION		
CLIENT:		
R&B II KARGIL		
STRUCTURE CONSULTANTS :		
NORTHERN ECO EARTH DESIGN SOLUTION		
<div><div>This document is the property of Engineering Consultants &amp; Planners,NEEDS. Its use is only for this project. It shall not be reproduced, copied or disclosed to a third party without prior written consent of the company.</div></div>		
PROJECT:		
WINTER FREINDLY BUSSTOP FACILITY AT		
KARGIL LADAKH		
<div>FOR EXECUTION</div>		
DRAWN	SHEEBA	
DESIGNED	EY NAWAZ	
CHECKED	EY MOHD ALI	
SHEET TITLE:		
PROJECT YEAR	DWG. NO.	PAGE SIZE
2021	STR-080	A3
SIGN/STAMP:		
DATE	07-04-2021	REV.

PROJECT TITLE:  
WINTER FREINDLY  
BUSSTOP AT  
KARGIL

CLIENT  
NHIDCL

SHEET TITLE :  
STRUCTURE DRAWINGS OF  
FOOTING  
  
DRAWING TITLE :  
PLAN

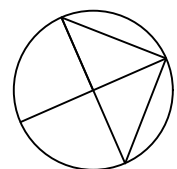
DRAWN BY : AR.SHEEBA  
CHECKED BY : AR. SHAID  
  
DATE :  
SCALE : N.T.S.

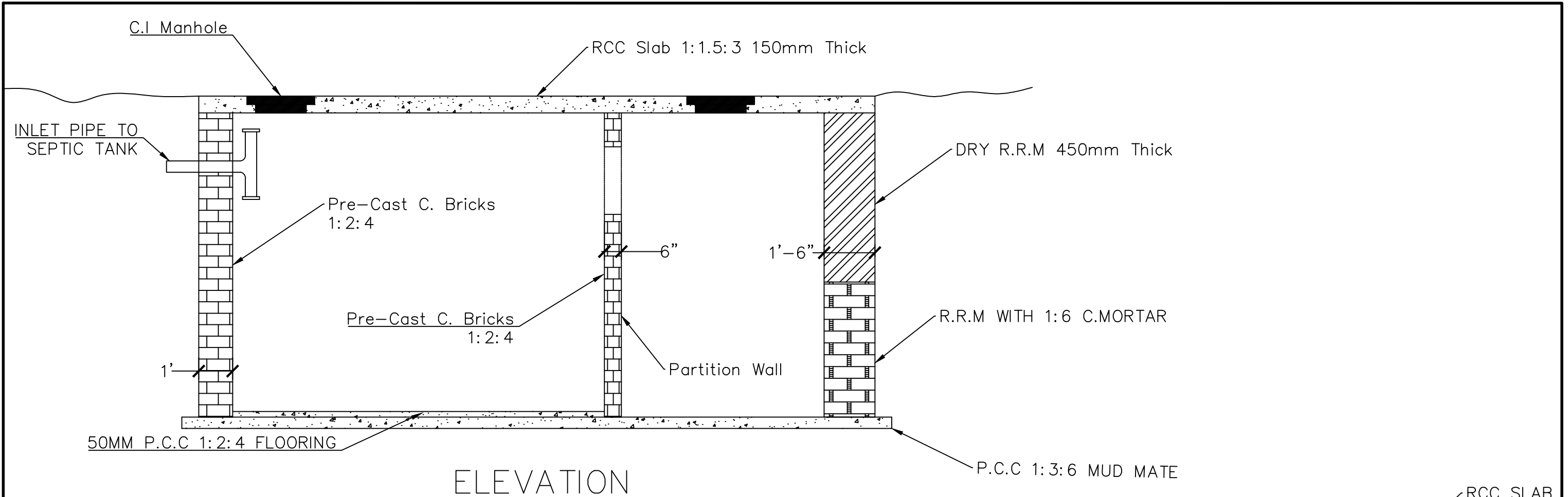
PROJECT NO:  
**S12**  
  
DRAWING NO:  
A4/ 02

ARCHITECTURAL CONSULTANTS :

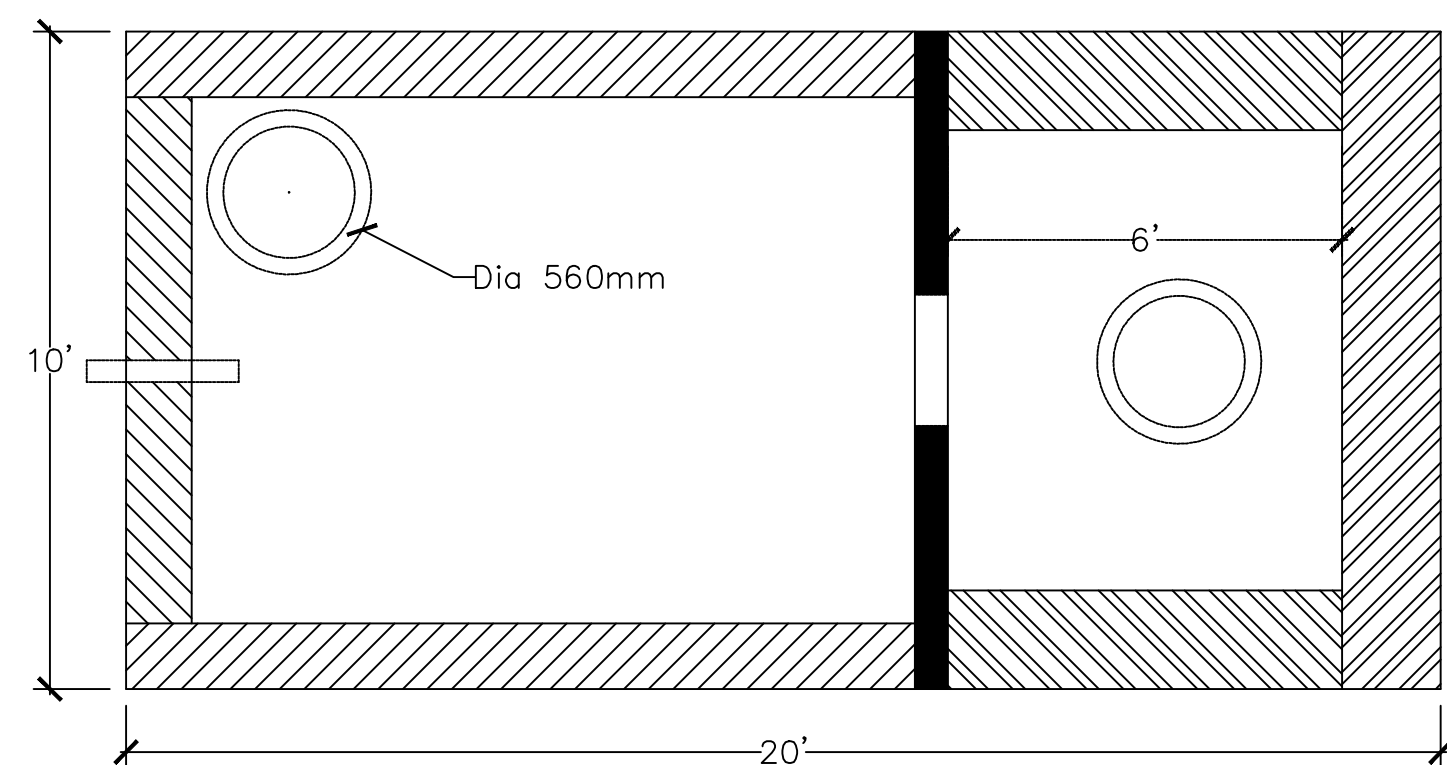
**NORTHERN ECO EARTH DESIGN SOLUTION**  
ARCHITECTS, PLANNERS, INTERIORS, LANDSCAPE, ENGINEERS  
Head Office at Baroo Kargil, Ladakh Email: needsolutions360@gmail.com

**NORTH**

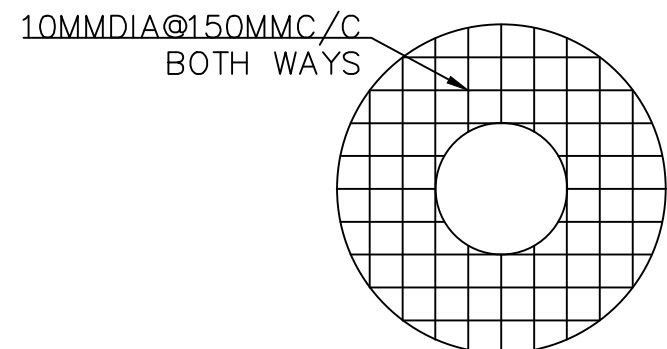




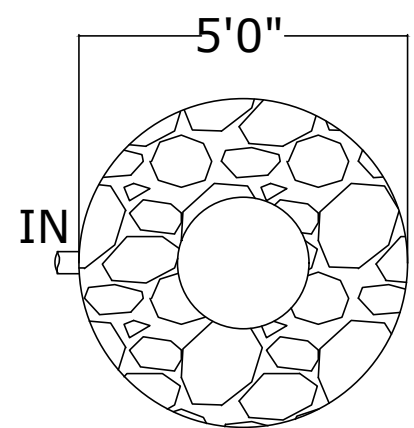
ELEVATION



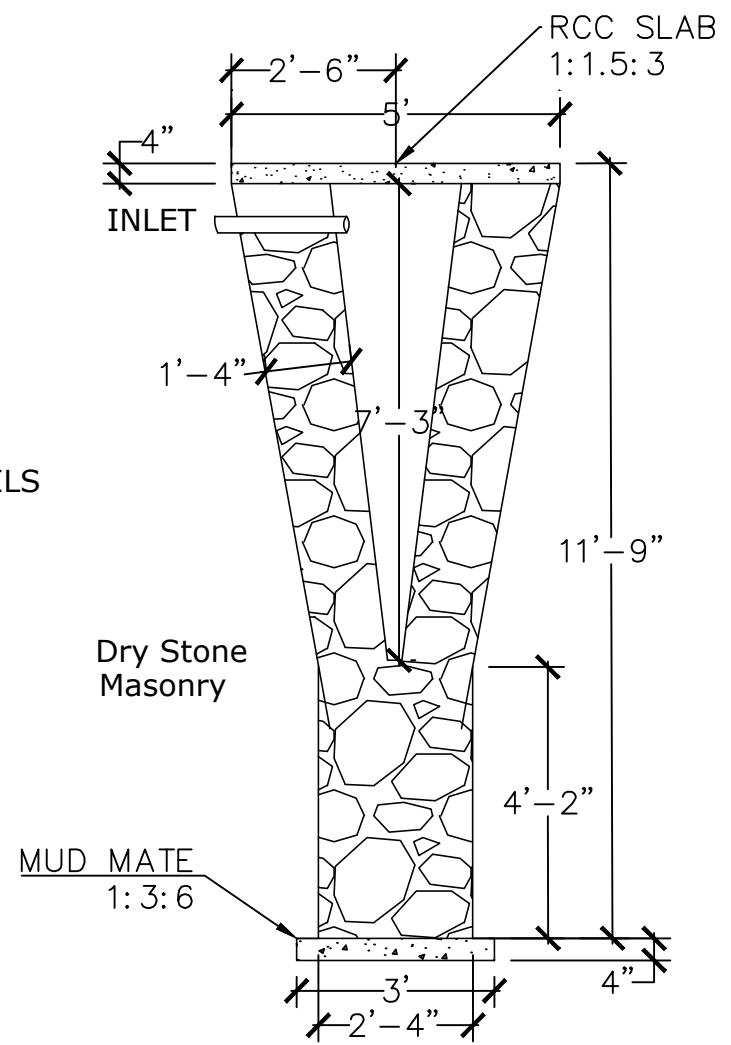
PLAN



REINFORCEMENT DETAILS

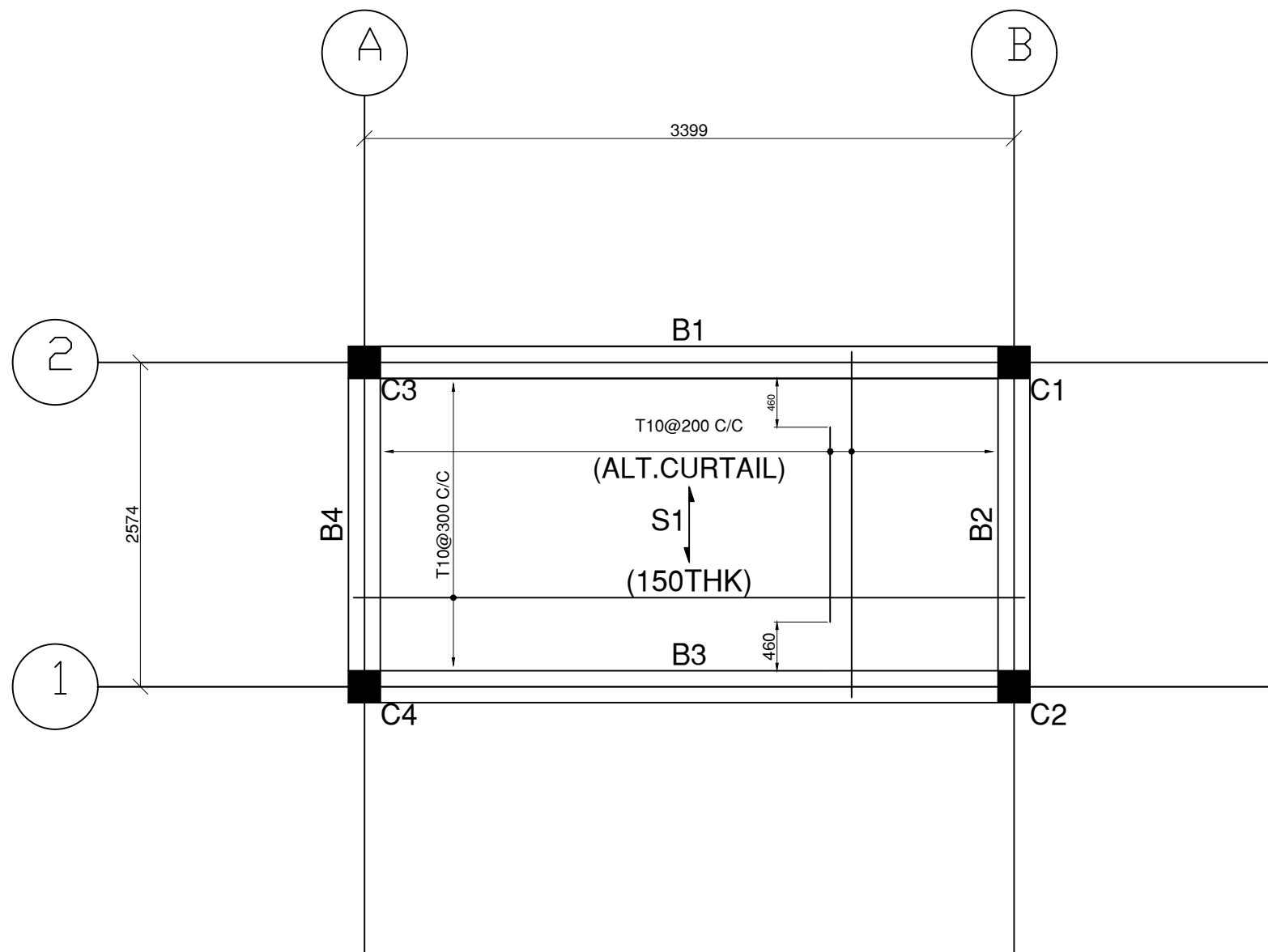


P L A N



SECTION

PROJECT TITLE: <b>WINTER FRIENDLY BUS STOP FACILITY AT KARGIL</b>		CLIENT URBAN LOCAL BODIES LADAKH	EXECUTING AGENCY NHIDCL RO-LADAKH	DRAWING TITLE : SEPTIC TANK AND SOKAGE PIT C/S	DRAWN BY : AR.NASIR CHECKED BY : AR. SHEEBA	PROJECT NO: <b>102</b>	SHEET TITLE : <b>DRAWINGS MEANT FOR TENDER PURPOSES ONLY</b>		ARCHITECTURAL CONSULTANTS : <b>NORTHERN ECO EARTH DESIGN SOLUTION</b> ARCHITECTS, PLANNERS, INTERIORS, LANDSCAPE, ENGINEERS Head Office at Baroo Kargil, Ladakh Email: needsolutions360@gmail.com	NORTH
COPYRIGHT THIS DRAWING IS THE PROPERTY OF NORTHERN ECO EARTH DESIGN SOLUTION. IT SHALL NOT BE REPRODUCED, COPIED, USED IN ANY MANNER OR HANDED OVER TO ANY OTHER PERSON OR PARTY, WITHOUT THE PRIOR PERMISSION OF THE PRINCIPAL ARCHITECT.				DATE : SCALE : N.T.S.	DRAWING NO: A3/ 0-1					



## SLAB REINFORCEMENT LAYOUT

M20 , Fe 500

### CLEAR COVER:-

FOUNDATION	= 50 MM
COLUMN	= 40 MM
BEAM	= 25 MM
SLAB	= 20 MM

### NOTE:-

- Bearing capacity has been taken @140 kN/m<sup>2</sup> at 2 m below N.G.L. as per client.
- Grade of Concrete shall be M-20 .
- Cement grade 43.
- Steel - HYSD - Fy =500 N/mm<sup>2</sup>.
- Aggregate shall be 20Ø down graded crushed stone.

WINTER FREINDLY BUSSTOP FACILITY

ARCHITECTS:  
NORTHERN ECO EARTH DESIGN SOLUTION

CLIENT:  
NHIDCL KARGIL

STRUCTURE CONSULTANTS :  
NORTHERN ECO EARTH DESIGN SOLUTION  
This document is the property of Engineering Consultants & Planners/NEEDS. Its use is only for the project. It shall not be reproduced, copied or disclosed to a third party without prior written consent of the company.

PROJECT:  
WINTER FREINDLY BUSSTOP FACILITY  
Kargil LADAKH

FOR EXECUTION

### REVISIONS

NO.	DESCRIPTION	BY	CHK	DATE

DRAWN	SHEEBA
DESIGNED	ER NAWAZ
CHECKED	ER MOHD ALI

SHEET TITLE:  
DETAIL OF COLUMN

PROJECT YEAR	DWG. NO.	PAGE SIZE	REV.
2021	STR-080	A3	R0

SIGN/STAMP:

DATE	07-04-2021
------	------------

### COPYRIGHT

THIS DRAWING IS THE PROPERTY OF NORTHERN ECO EARTH DESIGN SOLUTION. IT SHALL NOT BE REPRODUCED, COPIED, USED IN ANY MANNER OR HANDED OVER TO ANY OTHER PERSON OR PARTY, WITHOUT THE PRIOR PERMISSION OF THE PRINCIPAL ARCHITECT.

PROJECT TITLE:

REINFORCEMNT  
DETAILING  
OF SLAB

CLIENT

NHIDCL  
KARGIL

SHEET TITLE :

SLAB  
CROSS SECTIONS

DRAWING TITLE :

PLAN

DRAWN BY : ER NAWAZ

CHECKED BY : AR. SHAID

DATE :

SCALE : N.T.S.

PROJECT NO:

LA-72

DRAWING NO:

A4/ 02

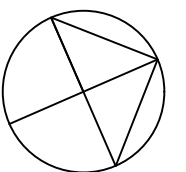
ARCHITECTURAL CONSULTANTS :

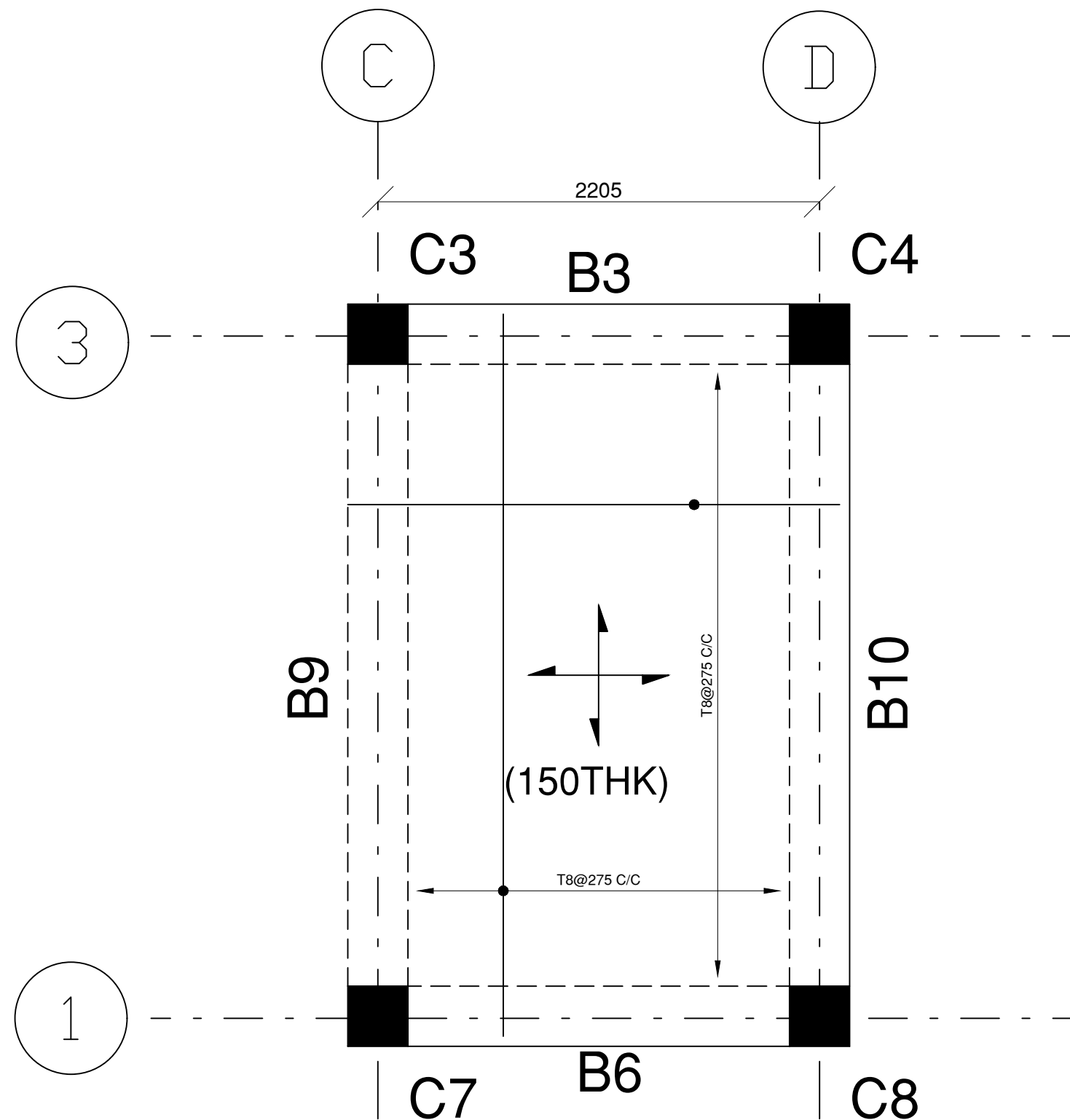
**NORTHERN ECO EARTH DESIGN SOLUTION**

ARCHITECTS, PLANNERS, INTERIORS, LANDSCAPE, ENGINEERS

Head Office at Baroo Kargil, Ladakh Email: needsolutions360@gmail.com

NORTH

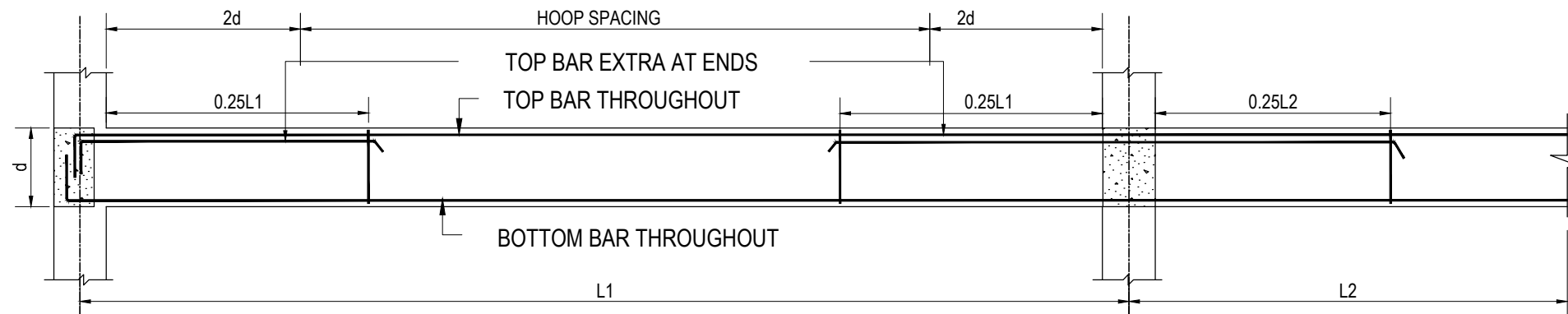




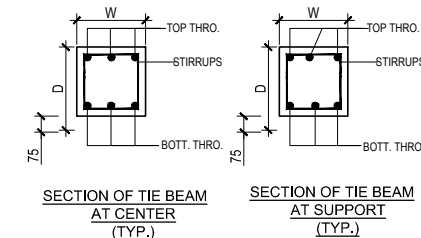
<div>M20 , Fe 500</div>		
CLEAR COVER:-		
FOUNDATION	=	50 MM
COLUMN	=	40 MM
BEAM	=	25 MM
SLAB	=	20 MM
NOTE:-		
1. Bearing capacity has been taken @140 kN/m² at 2 m below N.G.L. as per client.		
2. Grade of Concrete shall be M-20 .		
3. Cement grade 43.		
4. Steel - HYSD - Fy =500 N/mm².		
5. Aggregate shall be 20Ø down graded crushed stone.		
NHIDCL		
ARCHITECTS:		
NORTHERN ECO EARTH DESIGN SOLUTION		
CLIENT:		
R&B II KARGIL		
STRUCTURE CONSULTANTS :		
NORTHERN ECO EARTH DESIGN SOLUTION		
<small>This document is the property of Engineering Consultants &amp; Planners,NEEDS. Its use is only for this project. It shall not be reproduced, copied or disclosed to a third party without prior written consent of the company.</small>		
PROJECT:		
WINTER FREINDLY BUSSTOP FACILITY AT KARGIL LADAKH		
FOR EXECUTION		
DRAWN	SHEEBA	
DESIGNED	Er NAWAZ	
CHECKED	Er MOHD ALI	
SHEET TITLE:		
PROJECT YEAR	DWG. NO.	PAGE SIZE
2021	STR-080	A3
SIGN/STAMP:		
DATE	07-04-2021	REV.

PROJECT TITLE: WINTER FREINDLY BUSSTOP AT KARGIL	CLIENT	SHEET TITLE : STRUCTURE DRAWINGS OF SLAB	DRAWN BY : AR.SHEEBA	PROJECT NO: <b>S12</b>	ARCHITECTURAL CONSULTANTS :  <b>NORTHERN ECO EARTH DESIGN SOLUTION</b> ARCHITECTS, PLANNERS, INTERIORS, LANDSCAPE, ENGINEERS Head Office at Baroo Kargil, Ladakh Email: needsolutions360@gmail.com	<b>NORTH</b> 
	NHIDCL	DRAWING TITLE : PLAN	CHECKED BY : AR. SHAID	DRAWING NO: A4/ 02		
			DATE : SCALE : N.T.S.			





TYPICAL REINFORCEMENT DETAIL OF COUNTINUOUS TIE BEAM



- CLEAR COVER:-**
- FOUNDATION = 50 MM
  - COLUMN = 40 MM
  - BEAM = 25 MM
  - SLAB = 20 MM
- NOTE:-**
- Bearing capacity has been taken @140 kN/m<sup>2</sup> at 2 m below N.G.L. as per client.
  - Grade of Concrete shall be M-20 .
  - Cement grade 43.
  - Steel - HYSD - Fy =500 N/mm<sup>2</sup>.
  - Aggregate shall be 20Ø down graded crushed stone.

WINTER FREINDLY BUSSTOP FACILITY

ARCHITECTS:  
NORTHERN ECO EARTH DESIGN SOLUTION

CLIENT:  
NHIDCL KARGIL

STRUCTURE CONSULTANTS :  
NORTHERN ECO EARTH DESIGN SOLUTION  
This document is the property of Engineering Consultants & Planners,NEEDS. Its use is only for this project. It shall not be reproduced, copied or disclosed to a third party without prior written consent of the company.

PROJECT:  
WINTER FREINDLY BUS STOP FACILITY  
Kargil LADAKH

FOR EXECUTION

REVISIONS

NO.	DESCRIPTION	BY	CHKD.	DATE

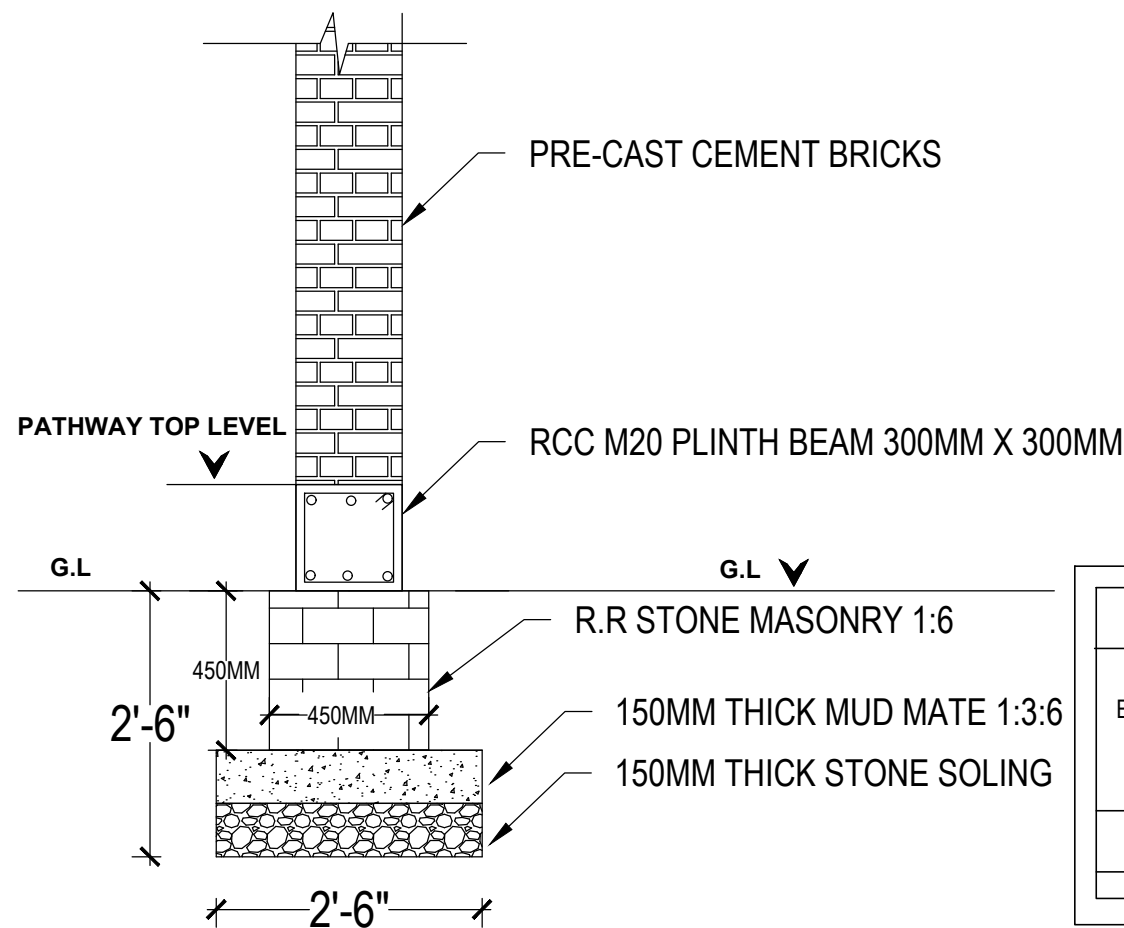
DRAWN	SHEEBA
DESIGNED	Er NAWAZ
CHECKED	Er MOHD ALI

SHEET TITLE:  
DETAIL OF WALL FOOTING

PROJECT YEAR	DWG. NO.	PAGE SIZE	REV.
2021	STR-080	A3	R0

SIGN/STAMP:

DATE	07-04-2021
------	------------



WALL FOOTING C/S DETAILS

TIE BEAM R/F SCHEDULE

BEAM NO.	SIZE (mm) bxd	MATERIAL	BOTTOM	TOP			SHEAR		
			THROUGHOUT	TOP LEFT EXTRA	TOP THROUGHT	TOP RIGHT EXTRA	SHEAR LEFT SUPPORT (upto 2d)	SHEAR MID	SHEAR RIGHT SUPPORT(upto 2d)
TB1	300X300	M-20,Fe-500	3-12#	-	3-12#	-	8#@100C/C	8#@150C/C	8#@100C/C

COPYRIGHT

THIS DRAWING IS THE PROPERTY OF NORTHERN ECO EARTH DESIGN SOLUTION. IT SHALL NOT BE REPRODUCED, COPIED, USED IN ANY MANNER OR HANDED OVER TO ANY OTHER PERSON OR PARTY, WITHOUT THE PRIOR PERMISSION OF THE PRINCIPAL ARCHITECT.

PROJECT TITLE:

WINTER FRIENDLY BUS STOP  
FACILITY KARGIL LADAKH

CLIENT

NHIDCL

SHEET TITLE :  
DESILTING TANK

DRAWING TITLE :  
SECTION AND PLAN

DESIGNED BY : ER. NAWAZ

CHECKED BY : AR. SHEEBA

DATE :

SCALE : N.T.S.

PROJECT NO:

LA-98

DRAWING NO:

A4/ 08

ARCHITECTURAL CONSULTANTS :

**NORTHERN ECO EARTH DESIGN SOLUTION**

ARCHITECTS, PLANNERS, INTERIORS, LANDSCAPE, ENGINEERS

Head Office at Baroo Kargil, Ladakh Email: needsolutions360@gmail.com

NORTH

