

ECGC MURADABAD DUPLEX FLATS

	PART A : CIVIL AND INTERIOR WORK				
	BILL OF QUANTITIES				
S.no	Item Description	QTY	UNIT	RATE	AMOUNT
	Note				
	The Tenderers are requested to visit the site.				
	(PART -A)				
	Repair and Renovation (civil and interior work)				
1	Dismantling				
	Dismantling and malba, disposal to Local municipal corporation approved location.				
	Note: Dismantling to be done in parts as per the instructions with proper support and covering of other areas from dust and falling debris , coordinating with other contractors/ agencies.				
	Item includes removing, cleaning, stacking the usable material at space provided by the owner . Item also includes taking permissions from the concerned departments/ building authority or Municipal corporation as required.				
	Including costs of all necessary measures, safety features, nets, scaffolding, lead, lift, cleaning after disposal etc.				
	All material obtained from dismantling or demolition shall be the property of the owner unless otherwise specified and shall be kept in safe custody until they are handed over to the engineer -in charge.				
	Dismantling/Removal of following complete in all respect, stacking away the usable material and carting away the malba only to Municipal authority approved location. Any damage to property, structure shall be repaired/made good by the contractor at his own cost no payment shall be made in this regard to contractor. Dismantling includes :				
1.1	Providing and fixing covering for outer facad during consturction activity , along boundry wall using 100mmx100mm M.S. box light weight section @3m c/c Horizontally and 6 m height to hang green cloth double layer . Rates to include the cost of removing this after work is complete, carrying all debris out of site and dumping to municipal authority approved location .	260.22	Sq.mt.		
1.2	Dismantling of toilets internal (Ground floor) , includes wall tiles, floor tiles , floor filling upto top surface of RCC floor slab , all fittings and fixtures , electrical conduits and wires , (removing internal C.I. and G.I pipes) etc. complete in all respect.	2	NOS.		
1.3	Dismantling of Bath room and Wc area , (First floor) as per proposed plan , includes , brick work , wall tiles, floor tiles , floor filling upto top surface of RCC floor slab ., all fittings and fixtures , electrical conduits and wires , (removing internal C.I. and G.I pipes) etc. complete in all respect.plan area will be considered for measurements.	15	Sq.mt.		
1.4	Dismantling/Removing of kitchen internal , includes rcc slab, wall tiles, floor tiles , all fittings and fixtures , (removing internal C.I. and G.I pipes complete in all respect.	2	NOS.		
1.5	Carefully removing of existing decay plaster of (RCC Slab) roof bottom in patches , cleaning the surface etc. inclusive disposal of the malba from site etc.	23.2	Sq.mt.		

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1.6	Carefully removing of existing decay plaster of outside elevation wall in patches , cleaning the surface etc. inclusive disposal of the malba from site etc. Rates to include removal of plant from outer wall . Complete in all respect .	280	Sq.mt.		
1.7	Dismantling of existing stone flooring and skirting bed room, passage area, at first floor only in both flats , excluding drawing room, bed room at ground floor and duplex internal staircase complete in all respect. Floor plan area will be considered for payment	56	Sq.mt.		
1.8	Dismantling/ removing of existing windows /door, grill, brick work, existing wooden wardrobe and cabinet, existing conduiting and wiring, electrical plates and switches, A/C piping work, existing fibre sunshade above windows complete as per proposed layout plan for both flats, complete in all respect. excluding balcony railing . The contractor should ascertain themselves the quantum of dismantling comparing the proposed layout plan/ work and the existing plan. Rates to beconsidered per flat only .	2	No.		
1.9	Salvage value of recovered material i.e. door, window, G.I. ,C.I. pipes, M.S.grills, wooden cabinets , electrical conduiting, wiring,switch plate , etc. The contractor should ascertain themselves the quantum/quantity of such items from the proposed work/ layout plan and existing provision / layout plan). The amount mentioned for the salvage value would be reduced from the overall value of the tender , to determine the net value of the tender . No additional amount would be paid to contractor for the removal of items and its disposal from site. Rates to be considered per flat.	(-) 2	No.		
	Carried to summary			RS.	
2	Repair Renovation (civil work)				
2.1	Providing/laying 4 1/2" thick brick Masonry work with common burnt clay F.P.S (non-modular) bricks of class designation 7.5 including with cement mortar 1:4(1 cement :4 coarse sand) including , laying of two nos. 6 mm M.S. Bars every 6th course,Lead, lift , wastage , scaffolding etc. completes in all respect wherever required.	35	Sq.mt.		
2.2	Providing/laying 9" thick brick Masonry work with common burnt clay F.P.S (non-modular) bricks of class designation 7.5 including with cement mortar 1:4(1 cement :4 coarse sand) including all shape and size ,Lead, lift ,wastage, scaffolding etc. completes in all respect .	28	Sq.mt.		
2.3	Providing/laying 13 1/2 " thick brick Masonry work for front boundry wall footing with common burnt clay F.P.S(non-modular) bricks of class designation 7.5 including with cement mortar 1:4(1 cement :4 coarse sand) completes in all respect wherever required.	8	Sq.mt.		
2.4	P/f applying cement plaster on existing roof slab bottom after treating existing exposed steel with Nito bond (removing steel rust with brushes on the existing exposed steel and then applying 2-3 coats of Nito bond as per manufacturer specifications) with 12mm thick1:4 cement mortar (1 cement : 4 fine sand) , repairing work, complete in all respect including scaffolding, 7 days curing, roof plaster inclusive of water proofing compound, cement salary, holes in slab to be filled with 1:3 cement & coarse sand mortar etc.	23.22	Sq.mt.		

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2.5	P/Applying cement plaster on new brick work 15 mm thick. in 1:4 (1 cement, 4 fine sand) , including lead, lift, wastage,scaffolding , cleaning & curing upto 7 days. etc. completes in all respect wherever required.	186	Sq.mt.		
2.6	P/Applying Repairs to cement plaster (1:4) in patches of area 2.50 Sq.mtr. and under including cutting the patch in proper shape and preparing and plastering the surface of wall complete including disposal of rubbish to the approved location/site.	325	Sq.mt.		
2.7	Providing and fixing, Reinforced cement concrete work in Lintel above door and windows, bearing on wall at both ends of opening 150 mm, resting on wall width 230 mm , depth 150 mm, having steel 150 kg per cubic meter, of concrete 1:1:5:3 (1 cement : 1.5 coarse sand zone-III) : 3 graded stone aggregate 20 mm nominal size) in cubic meter volume. Rates to include required centering and shuttering to complete the job.	21.4	RMT		
2.8	P/F parapet coping made of 40 mm thick cement plaster (projecting 30 mm beyond wall line both sides) at top of parapet/ boundry wall , complete in all respect including drip course etc. as approved by engineer incharge.	67.05	RMT		
2.9	FRONT BOUNDRY WALL CONSTRUCTION WORK				
2.9.1	Excavation of earth for front boundry wall , column and raft footing and back filling available earth after completion of construction of wall on excess excavated space between wall and original earth lvl. Compacted to carryout flooring item over such filled earthwork. Rates to include Excess working space and Back filling on excess excavated earth back filled.) wherever required.	20	CMT		
2.9.2	Providing and Laying in position of RCC concrete M 25, as required On boundry wall column, raft, plinth beams, instructed by engineer –in –charge complete in all respect.	3	CMT		
2.9.3	Providing and laying in position of shuttering, On specify above item , removal of shuttering after 14 days as, instructed by engineer – in –charge.	13	Sq.mt.		
2.9.4	Providing and laying in position reinforcement tor-steel 10 mm dia on column, plinth beam and raft including binding, lifting placing ,covers ,chairs etc. complete in all respect.	250	K.G.		
2.9.5	Providing and laying in position 100 mm thk. PCC Ratio in 1:4:8 (1 cement, 4 fine sand, 8 Stone aggreegates) complete in all respect.	1.5	CMT		
2.10	P/F M.S. angle frame chajjas with flat red stone base and 3" R.C.C. on top finish with neat cement at top with moulding in plaster at top and plaster at bottom, M.S. with primer and paint matching with building elevation inclusive of scaffolding of M.S. pipes , etc. complete in all respect . Projection of chhaja from wall is 550mm.	23	RMT		
2.11	Water proofing treatment in toilet				

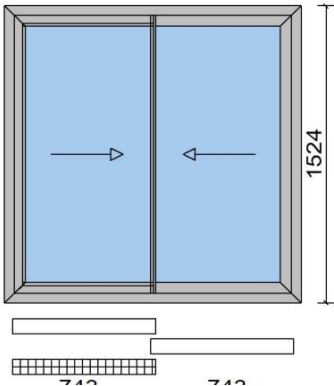
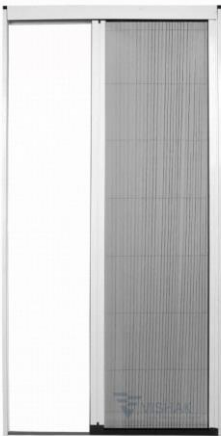
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	<p>A) The sub-base (R.C.C.) top structure should be cleaned of all dirt, loose material and kept dry. In case of pot holes/cracks, the same shall be repaired with cement putty using bonding agent like SIKALATHEX TM or equivalent.</p> <p>B) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm. of cement admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab and side walls upto 450 mm high, including cleaning the surface before treatment.</p> <p>C) Filling of sunk floor in brick bat coba . Laying cement concrete using broken bricks/brick bats 25mm to 100mm size with 50% cement mortar 1:4 (1 cement : 4 coarse sand) admixed with proprietary water proofing compound conforming to IS:2645 over 20mm thick layer of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls up to 300mm height i/c rounding of junctions of walls and slabs with average thickness of 120mm</p>	22.3	Sq.Mt.		
	The whole floor so finished shall be flooded with water for a minimum period of one week for curing and for final test. All above operations to be done in order and as directed and specified by the Engineer-in-Charge.				
2.12	Water proofing treatment of terrace and mummy terrace				
	Surface Preparation : All loose and de-bonded concrete/ screed/cracks shall be removed and proper repairing to be carried with polymer modified mortar.	125.5	Sq.Mt.		
	Cleaning and washing the roof surface with pressure water and wire brush from all loose particles, dirt etc.Damaged /or the surface cracks must be filled with any crack filler or polymer modified mortar if cracks are wider more than 5 mm, and if less than 2 mm, clean with vacuum cleaner.				
	Slurry , Mix 0.488 kg of grey cement, 0.253 kg of waterproofing Polyurethane compound, and the required amount of water per square meter. Apply the slurry within 30 minutes of mixing. Use a painting brush to apply the first layer on target area [suffering from dampness but during application area is dry] , application shall reach to and include corners, holes, and pipe joints. Let the surface air cure for four hours. Polyurethane compound (A chemical that can be used for roof waterproofing and on exposed areas. It can fill in fine cracks in concrete and reduce its water absorbency) from approved make namely Polygrip make PU 4000 , or comparable Dr Fixit, Basic purchase price Rs.400/- ltr.				
2.13	Providing and Fixing, water tank base , one base for keeping two water tanks 500 ltr capacity each . Item to include the following heads. Top surface area for base is 9'-0" x3'-6" appx. .	2	No.		
	Item 2.13 is inclusive of Providing and Fixing, 9" thk.Brick work for Pillars for base in cement mortar 1:4 (1 cement : 4 coarse sand). Then providing the cement plaster on these work including gola at joints, complete in all respect. Brick work quantity 1 cubic meter for each base.				
	Item 2.13 is inclusive of Providing and Fixing, of 2 nos. ISMB 250 for base of OHT , girder length 9'-0" x 2 no = 18 feet length, at top of brick pillars. Rates to include red oxide primer and three or more coats of painting of same in enamel paint of approved shade.				


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	Item 2.13 is inclusive of Providing and Fixing, Agra stone stone Slabs 50 mm thk. Size appx. 18" x 40" [or width to fill spacing between two girders] resting on ISMB girders, with mortar.				
	Item 2.13 is inclusive of Providing and Fixing , level concrete (1: 1 ½" :3) , between stone and tank minimum thickness 3". As a firm base for water tank.				
2.14	Providing and placing on terrace HDPE triple layer Moulded Cylindrical Vertical Water Tank of white Colour having Cap of 500 Ltrs with Lid, inlet, outlet and overflow pipes, etc. all required connection but without base support work complete the satisfaction of the Architect /Bank's Engineer. (Make -Syntex or JS polyplast or polycon.)	4	NOS		
2.15	Providing and placing 4" thick PCC (1:2:4), in required slope and levels, to match with floor below building stilts, and other end providing shape like saucer drain along boundary wall to let water go out to drawin in slope, PCC used shall be , ratio using brick / brick bats 40 mm to 65 mm size, for the ground floor front open area to match existing stlit floor lvl. as / site complete in all respect. Rate to include subgrade that is levelel preparateion, if required removal of excess materiisl, or back filling on pothols or lower levels to lay concrete, compaction of such filling up to 95 % of strength of procter density. Rates to include material required to prepare level. Rates to include, Glass strips to maintain desired slope. Rates to include, cement slurry at the top of PCC.	44.6	Sq.Mt.		
	Carried to summary			RS.	
	Aluminium window and Grill work				
3	Aluminium windows				
3.1	Supply and installation of factory fabricated aluminum sliding / casement window of AluK systems (Or its Equivalent in Alcove infratech / Schuko) of required size and design as per drawing . The extruded aluminum sections should be made from 6063 alloy homogenized billets with aluminum composition tolerances . The perimeter of aluminum sections should be coated with 60-80 Micron (AkzoNobel powder coating) of approved colour and finish . The dimension tolerances are in compliance with UNI EN 12020-2 standards. All Gaskets are EPDM . All accessories should be used which is designed to be simple and rational to use. Closing components and hinges are installed in slots made on the sections, without requiring any onsite machining. Hinges should be made from aluminum extrusions with stainless steel pins and reinforced polyamide bushes, fastened by stainless steel metric screws with duraluminium counter-plates				
	Rate to include fixing with fasteners of required size , 6 mm thick frosted / clear toughen glass , aluminium louvers, fibre mesh ,as per design , all hardware ,lock, handle , including silicon filling on bothside (inside and outside)on all periphery of windows . The section shall be got approved from the architect prior to fabrication. complete in all respect. attached Drg no . 07				
3.1.1	Toilet window with exhaust and louvers / fibremesh provision at top and side hung glass shutter at bottom (size 2'x4') with variation in size in both directions of +,- 1" as per drawing window W2	6	No.		

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3.1.2	Side hung window with glass shutter size 2'x4' with variation in size in both directions , of +- 1".as per drawing window W3	4	No.		
3.1.3	System : Aluminium sliding extubation three track. 2 glass shutter (6 mm clear toughen glass) and one SS MESH Shutter complete in all respect as specified above in 3.1 including all hardware fittings etc.	14	Sq.Mt.		
	<p>Interior View</p> 				
3.1.4	System : Aluminium sliding extubation three track comprising of one fixed glass, one movable glass shutter (6 mm clear toughen security glass) and one movable mesh Shutter complete in all respect as specified above in 3.1 including all hardware fittings, locks, handle etc. size (appx. 5'-6" x 7'-0")	7.2	Sq.mt.		
3.1.5	P/F Pleated mosquito mesh with aluminium powder coated frame work and vinyl coated polyester mesh ,water proof and dust resistance , including all accessories and fitting arrangemnet . Complete in all respect .	3	Sq.mt.		
					
3.2	M.S. GRILL AT WINDOWS				
3.2.1	P/F in position M.S. grills in windows made out of 32mm x 25mm x 5mm thk. MS Angle outer frame , fixed rigidly to walls with fasteners (produting out) at distance of appx. 6" from wall and grill made out of 12mm x 12mm wrought iron square section at distance of appx. 100mm C-C horizontally including wrought iron decorative leaves/flower appx. 50-75mm size of approved design , finish all including welding , cutting , bending and painting exposed surface with red oxide . complete as per the drawing enclosed also as per site requirement and instructions of Architect and engineer incharge .	30	Sq.mt.		
3.2.2	Providing and Fixing Invisible Grills made from high tensile marine grade rust resistant stainless-steel cables of 316 Grade covered with nylon membranes and offering an impact load resistance up to 400 kgs. The cable distance can be 3" inches, installation should be Crossed vertical. Embrace covering, 2.5mm, 3mm, 3.5mm & 4mm diameter thick, Anti-rust, anti-corrosion , zero maintenance, Strong heavy duty outer aluminum frames. complete in all respect as per manufacturer details .	20.45	SFT		

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3.3	M.S. MAIN ENTRY GATE at boundry wall					
	Providing, fabrication and fixing in position M.S. Gate made of 50x50 M.S. box section frame with hold fast , 40 x 10 mm flat, 12 mm dia solid bar , 20 guage M.S Sheet and flats of 20x3 mm size complete design as per attached drawing number 12 , fixed to the masonry / RCC member, with Hold fast etc, as required including cutting, welding, grinding, including all accessorized and fittings such as bearing, hinges, handles, aldrop, locking arrangement etc , Note : all flats/ square/ round bar shall be bright bars (The weight of the gate shall be not exceeding 2.0 K.G. per sf.ft.) Rate to include grinding and primer painting with red oxide.					
a	M.S. OPEBABLE GATE SIZE AT 2550 mm x1800 mm at main entry		1	NOS		
b	M.S. OPENABLE GATE SIZE AT 1150mm x 1800 mm at side entry		1	NOS		
	Carried to summary				RS.	
4	Painting and POP					
4.1	P/A P.O.P. on internal wall average thickness 6 mm with line, plumb and level surfaces for the smooth base of paint work.		836	Sq.mt.		
4.2	P/A P.O.P. cornice 3" x 1 ½" design as approved by architect complete in all respect.		107	R.MT.		
4.3	P/A Plastic emulsion paint of approved make and shade complete three or more coats, as per manufacturer's specification. Including preparation of base with putty priming.		836	Sq.mt.		
4.4	Providing and fixing Texture paint exterior grade , after preparation of base as per manufactures specifications. Applying birla base putty priming, Complete in all respect as per manufacture specifications. (Basic rate for texture is 60/- sq.ft.) Spectrum or equivalent make.		93	Sq.mt.		
4.5	P/A exterior emulsion paint of ACE Asian , Nerolac ,Berger or Equivalent approved make and shade complete three or more coats, as per manufacturer's specification. Including preparation of base with birla putty priming.		745	Sq.mt.		
4.6	P/A synthetic enamel paint of approved make and shade complete three or more coats, (on new and old work) as per manufacturer's specification. Including rubbing/ removing existing paint , surface preparation on existing grills and railing , inside and outside complete in all respect.					
4.6.1	A. Duplex and outer stairs railing 3'-0" high		80	R.MT.		
4.6.2	B. Balcony railing , window grills and boundry wall gates.		93	Sq.mt.		
	Carried to summary				RS.	
5	Flooring / Wall tile					

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	The measurement to be on Sq. ft. basis of the plan area of flooring.				
	<p>Rates to include , Protection of newly laid floor during construction work: Rate shall include Providing and laying polythene and layer of 12 mm thick Plaster Of Paris in two layers on new flooring surface (For the protection of floor surface during other activities).</p> <p>Rate should be inclusive of the cost of removing this protective layer, (after the work is completed) carrying all debris out of site and dumping it to municipal authorized. Dumping ground, cleaning the entire covered flooring area complete in all aspect.</p>				
5.1	<p>Providing and laying premium double glazed/ charged Vitrified Tiles of sizes 600 x 600 of apporved make, having thickness as per manufacturer's specifications in single shade . The tiles to be fixed after levelling of the existing floor as may be required with cement mortar 1:3 (one part cement & 3 parts coarse sand) and then fixing the tiles with compound (Unitile/ Fevimate) including Grouting the joints of flooring tiles, using laterite epoxy grout of approved shade to the full depth , including filling /grouting and finishing complete as per direction of Engineer-in-charge.Basic rate of tile RS. 65/- Sq.ft.</p> <p>Make - Johnson , Kajaria, Nitco, Somany</p> <p>Note : Rates to include the dismantling of existing stone flooring and removing malaba to approved location .</p>	65	Sq.mt.		
5.2	<p>Providing and laying skirting 600 mm length x 75 mm ht. laid on cement mortar bedding with tile and other specifications same as (item no 5a) , complete in all respect. Rate to include Providing 6mm groove at joint of Tile and skirting .</p>	92	Rmt.		
5.3	<p>P/F 20 mm thk.prepolished kota stone flooring (sound, dense and homogeneous in texture free from cracks, decay, weathering and flaws.) with 2-3 " strips of white marble laid in required pattern in linear portion of the building all complete as per architectural drawings, with stone slab laid over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) , including grouting the joints with grey cement, with admixture of pigment to match the shade of the stone , including grinding , polishing etc. all complete as specified and as directed by the Engineer-in-Charge,</p>	163	Sq.mt.		
5.4	<p>P/F 20 mm thk. Prepolished Kota stone skirting at stlit column and wall area laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grinding polishing etc. complete in all respect.</p>	92	Rmt.		
5.5	P/F outer staircase, baroda green /Udaipur green marble stone				
	<p>Providing & fixing 16 -18 mm thick. pre- polished pre moulded, machine cut baroda green marble for floor / staircase tread ,riser, skirting, 36 mm edge molding at tread , etc. complete with all details drawings The stone to be fixed/laid with cement mortar 1:3 (1 cement: 3 coarse sand) as per design. Joints treated with white cement, mixed with matching pigment, epoxy touch up including polishing the stone after finishing work, complete to the satisfaction of Architect/ Engineer.</p>	67	Sq.mt.		
5.6	<p>P/F 18 mm thk. Prepolished Baroda/Udaipur green stone at window sill appx. 12" wide with specs. Same as item 5e. Rate to include half round edge moulding inside area ., complete in all respect.</p>	15	Rmt.		

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5.7	P/F verified anti skid floor tiles of different size (kajaria/ johnson/ NITCO/) of approved shade in toilet. The tiles to be fixed with cement mortar base 20mm thk. in cement mortar 1:4 (1 cement : 4 coarse sand) . The tiles should be filled with laticrete epoxy grout . complete as per instructions of Architect/ Bank's Engineer. (Base price of tiles to be used to be Rs. 60/ sq.ft) at toilet floor area .	16	Sq.Mt.		
5.8	Wall tile : Providing and laying vitrified gloss/ mat finish decorative type tiles of different sizes thickness to match manufacturers specifications of approved make, shade and pattern having water absorption between 0.08% to 2.0% for dado in required position laid on a bed of 1:4 cement mortar including neat cement float, Base price of tile to be used to be Rs. 60 /-. Rate shall include				
	1.) The tiles filled with laticrete epoxy grout. complete in all respects as directed by the Architect.				
	2.) Base rough plaster at wall before laying of tiles .				
5.8.1	AT TOILET WALLS	93	Sq.Mt.		
5.8.2	AT KITCHEN WALLS	44	Sq.Mt.		
5.9	Grinding / polishing of existing white marble stone at ground floor and duplex staircase, complete as per instruction of engineer incharge, complete in all respect. Rate to include PVC self- adhesive surface protection tape to prevent flooring from debris, dirt, paint spills, dust and damage during construction work .	74	Sq.Mt.		
	Carried to summary			RS.	
6	Doors in laminate finish				
	Providing & fixing 40mm thick ISI marked Flush Doors shutter conforming to IS: 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. The item to includes, providing and pressing of 1mm thick. decorative/plain / textured laminate on both sides as per design. Providing and fixing door frame made from 100mmx50mm teak wood members. Each Doors to have complete duco paint / Melamine polish on exposed wooden surfaces and Frame of shutter. complete in all respect as per Architectural drawings and direction of Engg-in-charge				
	Door hardware shall include 125 mm SS hinges Hinges, Mortise sash ,lock, Lever handle, (Dorma/ Hettich/ Godrej) Eye viewer and Magnetic door stoper (to fix to wall) all as per approved sample.				
	(Base price of laminate to be used to be Rs. 40/ sq.ft.) Note - Variation in door openig size plus, minus 1" apprximate.				
6.1	Flush door opening size 3'-0" x 7'-0" (Appx.) AT ROOMS	8	NOS		
6.2	Flush door opening size 2'-6" x 7'-0" (Appx.) AT TOILETS	6	NOS		
6.3	Providing, fabricating and fixing heavy duty aluminium rough ground section (4"x1")for doors frame fixing.	84	R.MT.		
6.4	P/f teak wood architrave 2" x 1/2" , complete including clear spirit polish with melamine / medium gloss duco paint as approved .	206	R.MT.		
6.5	Main entry door	2	Nos		

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	P/F in position Entrance door, with shutter having Frame/Rails of 40 X 125mm at top side of teak wood and bottom of 40 X 250mm as per design. Shutter to have M.S. Grill filled in it with help of fasteners/screws, made of solid M.S. bars and M.S. flats as per attached drawing, complete in all respect including welding, cutting, bending, painted with primer and three coats of duco paint, Duco paint on teak surface with satin finish , including all fittings, fixtures,mortise lock with handles, . Rates to include wiremesh at central area from inside fixed with beading .etc.. As shown in tender drawing 11				
	Carried to summary			RS.	
7	Wood work for cabinets and Wardrobe				
	Note : The back of all cabinets along wall should be duly painted with anti-termite paint (on outer face).				
7.1	Providing & fixing 600mm deep wooden wardrobes, Car case made from 19mm thick ply board marine BWR of MAKE CENTURY/GREENPLY/which will be finished inside with 0.8 mm thick laminate approved shade Make: (GREEN PLY/ ARCHID PLY/ CENTURY) . Shutters should be 25mm thick HDF of MAKE ACTION TESA/GREENPLY inside and outside 1 mm thick texture /gloss laminate of approved make (laminate base price 40/-sq.ft.) The exposed edge of ply shall have wooden margin /matching edge tape binding. Ward robe shall have provision of drawers , Hanger rod and open shelves as per drawing and details .The shutter shall be a provided with SS hinges 0 crank and 8 crank Make:(hettich) for center and side portion. SS door handle appx. 18" length , as per approval , heavy duty hanger rod SS , SS tower bolt 150mm, Godrej lock . The Front elevation area shall be considered for measurement payment. attached drg no. -09	18.5	Sq.Mt.		
7.2	Providing / fixing LCD/ display cabinet at drawing room				
	Providing and fixing in position wall unit in 19 mm marine grade ply Board with 1 mm thk laminate outside and 0.8/1 mm thk laminate inside. The back of cabinet shall be duly painted with anti-termite paint (on outer face).and inside and outside to have plain/ high gloss decorative laminate basic price 60/-sft.wooden Margin / tape binding to be provided at the edges. This unit to have 16" wide shutters both side with shelf and central area to have open shelf and drawer at bottom for keeping DVD , etc,complete as per drawing . Drawer units running on push to open drawer slide . Complete in all respect including all hardware, fittings Hettic / ozone, locks, profile pull handles, latches, complete in all respect. Size of cabinet 4' x 1'-8" and 16 " deep Appx., complete as per attached drawing no. 10	2	No.		
7.3	P/F Vanity cabinet top 600 deep and understructure 500 deep as per design in 19 mm thick. BWR Waterproof ply with 18 mm thick. single slab Granite, pre polished and pre moulded/ equivalent at top (Base price Rs. 150/-sq.ft.) Joints to be sealed with epoxy with matching pigment up to complete depth at ends . Cabinet to have shutter/ drawer with provision of shelf inside, complete laminated inside with 0.8 mm thick laminate and outside with 1 mm thick. High gloss laminate of approved shade, complete in all respect including 2 mm PVC edge binding tape of matching shade at exposed edge,soft closing hinges, Hardware, latches, SS base legs 9-12" high etc. of approved make. The Front elevation area shall be considered for payment.	1.3	Sq.mt.		
7.4	Modular kitchen				


ECGC MURADABAD DUPLEX FLATS

	BILL OF QUANTITIES				
	P/F modular kitchen cabinet 24" deep and 2'-8" high, Carcase in 19 mm thk. water proof BWR ply and complete laminated (High gloss, texture/plain laminate as per approval) inside and outside . Outside 1 mm thk. laminate and inside 0.8 mm thk. laminated , Including laminated shutter/ drawer front as per drawing. rates to include following :	5.2	Sq.mt.		
7.4.a	Edge concealed with 2 mm edge band, Shutters in 18mm Mdf with high gloss lamiante finish with 2mm edgeband tape , pvc legs, pvc skirting,complete with all necessary hardware..				
7.4.b	HARDWARE: Hinges (Slow motion) Hettich , Telescopic Slider (Slow motion) Hettich, Profile handle as per approval Liftup fittings.				
7.4.c	Cabinet top to be provide 19 mm thk. Mirror polished Granite with edge molded & with installation. Basic rate for Granite Rs.160/-sft.				
7.4.d	Rates to include all kitchen modular Accessories, tandem drawers (450-600 mm wide), cutlery tray PVC 450 MM (2 NOS.) , bottle pull out 200 mm , grain pull out, Autolid waste bin holder 10 ltr, Dish Rack-900mm, Detergent Holderetc. complete as per drawings enclosed, (The Front elevation area shall be considered for measurement payment. attached drg no. 06,				
7.5	P/F Sink with Single bowl with drain board (Anupam/Nirali)appx. 3' wide , satin finish on kitchen counter . Rates to include waste , cutting and making good on counter top /where ever required complete in all respect .	2	No.		
7.6	KITCHEN OVERHEAD STORAGE				
	Providing and fixing Over Head Storage 300 mm deep made of BWR 19 mm thick PLY. Carcase finished with 1mm thick. High gloss laminate off approved shade outside and 0.8 mm thick. Plain laminate inside. Shutter should be provided with soft closing hinges (Hettich/ Haffle/ Dorma) & shelves inside. Item to be inclusive of 2 mm PVC edge binding tape of matching shade at exposed edge, all accessories/hardwares, locks, soft close hinges etc. complete. Complete to the satisfaction of Architect/Engineer. (Quoted (without GST) Base price of laminate to be used to be Rs. 40/ sq.ft.). The Front elevation area shall be considered for payment.	7	Sq.mt.		
7.7	P/F the Chimney over cooking area of "Faber" or equivalent , model no. (FABER HOOD CREST PRO IN HC SC FL BK 60) suction of 850 m 2/hr with 6" /8" dia round SS duct, complete in all respect as per manufacturer specifications. Only electrical connection is require to make it operational.	2	Nos.		
7.8	P/F smooth line curtain track system manual of Mac of equivalent , complete with end part and hooks etc. complete in all respect as per manufactuer specification .	15.3	R.Mt.		
	Carried to summary			RS.	
	Plumbing and Toilets				
8	Sub Head 1 (Sanitary Fixture & Accessories)				
8.1	Providing and fixing ,testing and commissioning , Continental Series manufacture JAQUAR ceramic viterious china European type water closet floor mounted one piece closet white , Rimless With PP Soft Close Slim Seat Cover, Hinges, Dual Flush Cistern Fittings, Size: 370x665x750 mm, S Trap- 220 mm complete including cutting and making good floors wherever required. (Code no. CNS-WHT- 853S220SPPSM)	4	NOS		

ECGC MURADABAD DUPLEX FLATS

	BILL OF QUANTITIES				
8.2	Providing ,fixing, testing and commissioning of Star white colour/ ceramic vitreous china wash basin with R.S or C.I brackets painted white, 32mm C.P brass waste of standard pattern, 32mm dia C.P cast brass bottle trap & Union, 32mm dia CP pipe to wall and CP wall flange complete including cutting and making good the walls/ floors where required.				
8.2.1	Starwhite Eclipse of Hindware size 79x49 cat, no, 91236 or equivalent approved .	2	NOS		
8.2.2	Opal prime Over Counter Wash Basin size 600x440 of jaquar or equiavalent	2	NOS		
8.3	P/F Basin mixture wall mounted (jaquar florentine series FLP/5233NKPM) along with all accessories as may be required complete.as per instructions of architect / bank's engineer.	4	NOS		
8.4	Providing and fixing sink mixture wall mounted (Jaquar florentine series model FLP-5309PM/ or equivalent approved make/range) along with all accessories as may be required complete in all respect.	2	NOS		
8.5	Providing & fixing CP brass Angle Valve with flange (Jaquar/Kohler/ Equivalent) of approved model along with all accessories as may be required complete as per instructions of Architect/ Engineer. Basic price to be Rs 1000/-	30	NOS		
8.6	Providing ,fixing , testing and commissioning of ISI mark vertical gyser (Venus /racold make complete in all respect 15 Ltr. Capacity	4	NOS		
8.7	Providing, fixing C.P. Grating complete. (Chilly, Camry Make) Including cutting hole in stone, including grouting's, 125/100 mm dia. Weight not less than 100grams.	12	NOS		
8.8	Providing & fixing paper holder along with necessary fixin arrangements etc. (Jaquar Code: CPA-CHR-1153)	4	NOS		
8.9	Providing, fixing, testing, Health Faucet along with one-meter-long flexible tube crome finish and hanging hook of Jaquar allied series ALD-CHR-579 or equivalent make/ range)	4	NOS		
8.10	Providing, fixing, testing Over Head Shower of 180 mm dia (model OHS 1759 or equivalent of Jaquar) with Long Shower Arm complete in all respect.	4	NOS		
8.11	Providing, fixing, testing , Spout without telephonic shower arrangements (Jaquar)	4	NOS		
8.12	Providing ,fixing, testing , Four Way diverter (ALD-079N of jaquar or equivalent) along with necessary fixing arrangements	4	NOS		
8.13	Providing and fixing CP finish towel rack 2'-0" length. Of jaquar / equivalent .	2	NOS		
8.14	Providing & fixing towel rings along with necessary fixing arrangements etc. (Jaquar Code: ACN-CHR-1121BN, round crome finish towel ring)	4	NOS		
8.15	Providing and placing Model no. Aquaguard Marvel NXT 8-Stage Alkaline Tech, Stainless Steel Tank Water Purifier in Kitchen. Rates to include complete installation and commissioning per unit.	2	NOS		
8.16	P/F Robe hook BASIC PRICE 500/- (Multiple hook)	4	Nos.		

ECGC MURADABAD DUPLEX FLATS

	BILL OF QUANTITIES				
8.17	Providing and fixing Mirror circular shape (2'-6" dia) on wall 6mm thick. Mirror with beveled edges fixed over 6mm waterproof ply with wooden /pvc frame 25x25mm all around, finished in duco paint/ melamine polish along with C.P. brass screws and washers, all accessories as may be required complete as per instructions of Architect/ Engineer.	2	NOS		
8.18	Providing and fixing readymade wooden bathroom cabinet with shelves and mirror at shutter size appx. 26" x 26" as per approval . Basic price (6500/-)	2	NOS		
					
8.19	Providing and fixing two way Bib cock of florentine series of jaquar or equivalent approved make(range) along with all accessories as may be required complete in all respect.	2	Nos.		
	Carried to summary			RS.	
9	Sub Head 2 (Water supply system and sanitary)				
	All require pipes & fittings will be " C.P.V.C. Make (ajay /aashirwad /astral)				
	All Required uPVC Pipes & Fittings will be Supreme Make (IS Type " B' IS 13592 SWR Range)				
	Note : No. extra Payment shall be made for any cPVC / uPVC Fittings, all are inclusive with piping rates.				
9.1	Providing and laying Chlorinated Polyvinyl Chloride (CPVC) pipes as required of approved make having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings and fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement including the cost of cutting chases, making good wall / floor the same and including testing of joints at 7 Kg/ Sq.Mt. pressure with pressure pump.				
9.1.1	12 / 19 mm Dia	50.3	R.MT.		
9.1.2	25 mm Dia	36.6	R.MT.		
9.1.3	40 mm dia	45.72	R.MT.		
9.2	Providing and fixing thermal insulation over hot water pipes with 6mm thick thermal insulation tubing, using elastomeric flexible material having hermetic blister closed cell structure of expanded synthetic rubber having density of 60-90Kg/m3 over pipes of 12 mm sizes including all required accessories complete as per Manufacture's specifications and finishing it as per site requirement with Cement Plaster.				
	12 / 19 mm Dia	37.8	R.MT.		
9.3	Providing and fixing G.M ball valve/ Non Return Valve with SS spindle, screwed female ends, glass filled Teflon seating and gland packing, quarter turn lever operated with full bore design, and hydraulically tested to 20kg/sqcm. (JOLOTO / API Make)				
9.3.1	20mm nominal bore	6	Each		
9.3.2	25mm nominal bore	2	Each		
9.4	Providing and fixing G.M. float valve of Leader make with brass rod and copper floats tested for pressure 5Kg/cm2 complete with all necessary accessories/fittings.				
	15mm nominal bore	2	Each		

ECGC MURADABAD DUPLEX FLATS

	BILL OF QUANTITIES				
9.5	II (Soil, Waste, Vent & Rain water Pipes and accessories)				
9.5.1	50 mm dia (with 10 Kg/cm2 pressure	30	R.MT.		
9.5.2	75 mm dia (with 10 Kg/cm2 pressure	25	R.MT.		
9.5.3	110 mm dia (with 6 Kg/cm2 Pressure)	98	R.MT.		
9.5.4	160 mm dia (with 6 Kg/cm2 Pressure)	25	R.MT.		
10	Sub Head 3 (External plumbing work)				
10.1	Providing All related materials & constructing 300 x 300 x 300 mm masonry chamber for Gully trap by providing & fixing S.W. Gully trap set in to cement concrete including necessary excavation & one coat of neat cement over 6 to 10mm thk. cement plaster & C.I Frame & cover. (Neco weight not less than 7 kg)	4	Each		
10.2	Providing & fixing C.I. Grating with including necessary cutting and making good (NECO / RIF) 50X150 MM	4	Each		
10.3	Excavating trenches of require width for pipes including excavation for sockets, and dressing of sides ramming of bottoms, depth upto required depth including getting out of excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth including consolidating each deposited layer by ramming, watering etc. and disposal of surplus earth as directed within a lead of 50 m. any kind of soil. (road cutting & breaking R.C.C./ P.C.C. will paid separately) Max Depth up to 1500 mm)				
	Pipe dia exceeding 80 mm dia but not exceeding 300 mm dia	9	R.MT.		
10.4	Providing all related materials & constructing square/ rectangular type masonry chamber as man hole with 230mm th brick wall, foundation concrete 1:5:10 (1 cement :5 coarse sand :10 coarse aggregate of 25 to 40mm nominal size), making channels with cement concrete 1:2:4 (1Cement : 2 Coarse Sand : 4 Coarse aggregate of 20 to 25mm nominal size) , necessary excavation, & a floating coating of neat cement over 12 mm th cement plaster. With HD 10 Grade SFRC Manhole Cover & Frame)				
	600 x 600 mm up to 900mm depth	4	Each		
10.5	Providing and constructing brick masonry rectangular type road gully chamber with 75 class designation bricks in cement mortar 1:5 (1 Cement : 5 Coarse sand) finished with a floating coat of neat cement over 12mm th cement plaster, inside and exposed surfaces 100mm th. foundation concrete 1:4:8 (1cement : 4 Coarse sand : 8 Coarse aggregate of 20 to 25 mm nominal size) R.C. C. top slab 1:2:4 (1cement : 2 Coarse sand : 4 Coarse aggregate of 20 to 25 mm nominal size), required reinforcement, making channels with 1:4:81cement : 4 Coarse sand : 8 Coarse aggregate of 20 to 25 mm nominal size) including shuttering etc & SFRC Grating with frame, Steps embedded in cement concrete size 200x200x200mm 1:2:4 (1cement : 2 Coarse sand : 4 Coarse aggregate of 20 to 25 mm nominal size), including necessary excavation.				
	450 x 500 mm & up to 750mm deep with SFRC Grating & Frame	4	Each		
	TOTAL SUM OF INTERIOR WORK			RS.	

ECGC MURADABAD DUPLEX FLATS

	BILL OF QUANTITIES				
	SUMMARY CIVIL AND INTERIOR WORK				
PART-A	ITEM				AMOUNT
1	Dismantling , furniture and civil work			RS.	
	Salvage value (Deduction)		(-)	RS.	
2	Civil work (repair renovation + addition alteration)			RS.	
3	Grill and aluminium window			RS.	
4	Painting work			RS.	
5	Flooring/ wall tile work			RS.	
6	Doors in laminate finish			RS.	
7	Wooden cabinets / wardrobe			RS.	
	Plumbing and Toilets			RS.	
8	Sub Head 1 (Sanitary Fixture & Accessories)			RS.	
9	SUB head 2 (Water supply system and sanitary)			RS.	
10	SUB head 3 (External plumbing)			RS.	
	TOTAL				

	(PART -B) AIR CONDITIONING WORKS				
	COPPER AND DRAIN PIPING (of approved make)				
S.NO.	ITEM DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
1	Supplying and laying of Copper refrigerant piping with nitrile rubber pipe insulation, above size as specified by the manufacturer suitable for 1.5 TR/ 2.0 TR. Split type AC, location Balcony as/ site. (From Indoor to outdoor Units)	40	RMT.		
2	Providing and fixing PVC drain piping up to the drain , 25 mm dia as directed by the engineer incharge with all accessories e.g. elbows, unions, sockets, reducers, reducing tees, nipples etc. Complete job including cutting chiseling in walls, floor and making good of all chases/cuts etc. and discharging.	60	RMT.		
3	Providing and Fixing PVC Casing batten for incasing copper pipe at outside wall area , complete in all respect including required clamps etc.	15	RMT.		
4	Supplying and laying of Extra Electrical interconnecting cable, control cable from indoor to outdoor, of size 2.5 sq.mm 4 core, or as suitable for 1.5 TR./2.0 TR./ Split type AC.	40	RMT.		
	TOTAL SUM OF A/C WORK			RS.	

B.D. SHARMA CONSULTING PVT.LTD.

	PART -C) ELECTRICAL WORK				
	Electrical Installation Work ECGC DUPLEX Flats - A1, AND A9, H.I.G., Duplex, Ram Ganga Vihar, Muradabad.				
	SUMMARY				
A.	POINT WIRING			Rs.	
B.	SUPPLY& FIXING OF LIGHTING FIXTURES /FAN			Rs.	
C.	EARTHING SYSTEM			Rs.	
D.	DISTRIBUTION BOARDS			Rs.	
E.	CABLES,MAINS,SUBMAINS			Rs.	
	GRAND TOTAL			Rs.	
	GST WILL BE EXTRA AS APPLICABLE				

B.D. SHARMA CONSULTING PVT.LTD.

S.No.	Description	Qty		Rate in Rs.	Amount in Rs.
A.	POINT WIRING				
	Note				
	Point wiring rates are inclusive of 2x2.5+1x1.5 sq mm FRLS PVC insulated stranded copper conductor FRLS wires for circuit and 1.5 sq mm insulated earth wire. All wire should be FRLS.				
	NOTE: All existing conduiting and wiring should be replaced by new conduiting and wiring for wall points, ceiling points complete in all respect as per specification.				
1	Wiring for the following light points with 2X1.5+1X1.5 Sq.mm FRLS PVC insulated stranded copper conductor wires in concealed PVC conduits in F.ceiling / walls /ceiling as direc-ted including providing 6 amps flush type switches, 5 sided G.I Boxes for housing switc-hes and earth-ing comple-te as required.				
a.	First point controlled by one no. 6 amp switch.	88	Nos.		
b.	Loop Point	6	Nos.		
2	Wiring for 6 amps light plug outlets with 3x1.5 sq.mm PVC insulated stranded copper conductor wires in PVC Conduits in ceiling/walls/floor as direc-ted incl-u-ding providing 6 amps flush type 5 pin socket and 6 amps switch with cover plate, 5 sided G.I boxes for housing switches, sockets and earthi-ng complete as required. (for general areas)	14	Nos.		
3	Wiring for 2 Nos 6 amps light plug outlets with 3 x 1.5 sq.mm PVC insulated stranded copper conductor wires in PVC Conduits in ceiling/walls/floor as direc-ted incl-u-ding providing 2 nos 6 amps flush type 5 pin socket and 6 amps switch with cover plate, 5 sided G.I boxes for housing switches,sockets and earthi-ng complete as required. (for general areas)	10	Nos.		
4	Providing and fixing 6 amps outlet on Light Point switch board including providing 6 amps flush type 5 pin socket and 6 amps switch with cover plate complete as required	10	Nos.		
5	Wiring for Ceiling / wall fan points with 3x 1.5 Sq.mm PVC insulated copper conductor wires in concealed PVC cond-uits in ceiling / walls as direc-ted including providing Hexagonal fan Box, and electronic fan regulator 5 A switch, 5 sided G.I. Boxes for housing the regulator, 5 Amp switch and earth-ing comple-te as required.	8	Nos		
6	Wiring for exhaust / wall Fan points with 3x1.5 sq.mm PVC insulated stranded copper con-ductor wires in concealed PVC conduits in F.ceiling / Wall/Ceiling as directed including providing 6 amps flush type switches 6 amps 3 pin socket near exhaust fan/wall fan, 5 sided G.I. boxes for housing switches and 6 amps 3 pin socket outlet and earthing and complete as required.	10	Nos.		

B.D. SHARMA CONSULTING PVT.LTD.

S.No.	Description	Qty		Rate in Rs.	Amount in Rs.
7	Wiring for 16 amps power outlet poi-nts with 2x4+1x2.5 sq.mm PVC insulated stranded copper conductor wires in concealed/recessed PVC conduit as directed including providing 16 amps flush type switch and 6 pin socket with cover plate 5 sided G.I. outlet boxes for switches and socket and earthing the third pin with 2.5 sq mm PVC stranded copper wire complete as required (Only one outlet shall be connected on each circuit)	12	Nos.		
8	Wiring for 16 amps power outlet poin-ts with 4 sq.mm PVC insulated stranded copper conductor wires for the first power outlet and 2x4+1x2.5 sq.mm PVC insu-lated stranded copper conductor wires for the second outlet, in concealed PVC cond-uits in F.ceiling/ walls/Ceiling/floor ducts as directed incl-uding providing 16 amps flush type switch and 6 pin socket with cover plate, 5 sided G.I. outlet boxes for housing switches and sock-et, and earthing the third pin with 2.5 sq.mm PVC insulated copper conductor wires complete as required (Two power out-lets shall be connected on each circuit)	2	Set of two		
9	Wiring for Metal clad Socket outlet points with 2x 4.0+1x 2.5 sq mm PVC insulated stranded copper conductor wires in PVC conduitl/wall/floor ducts as directed including providing 25/32 A single phase Metal clad socket and plug top, 25/32 A SP MCB(motor duty), 2 mm thick M.S. box to house the above duly painted and earthing with 2.5 sq. mm PVC insulated stranded Copper Conductor wires complete as required.(For Split / A/C Unit)	8	Nos.		
TOTAL CARRIED OVER TO SUMMARY					

B.D. SHARMA CONSULTING PVT.LTD.

S.No.	Description	Qty		Rate in Rs.	Amount in Rs.
B.	SUPPLY& FIXING OF LIGHTING FIXTURES /FAN				
	following Light Fittings and Electrical accessories including the supply of fixing brackets and necessary accessories etc (Philips /wipro /Divinity / Havells/ Tisva				
1	Supply & fixing the following Lighting fixtures including lamps at site. Rate shall include all taxes and duties, transportation etc. complete.				
a.	1 x 26 watts LED Batten Fixture as per wipro Garnet (cool day light 6500k with 2600 lumen	36	Nos		
b.	1x 15 watt wall monted decorative LED light fixture including LED bulb 4000k basic price Rs. 2400/- per unit , complete in all respect	20	Nos		
c.	Led mirror light try colour fitting basic price Rs. 1500/- per unit , complete in all respect	4	Nos		
d	2x 15 watt wall monted decorative LED light fixture with bulb basic price Rs. 4000/- per unit , complete in all respect	12	Nos.		
e	WALL WASHER : P/F The wall washer light Philips Gamma 2 Watts LED Outdoor Wall Lamp - Grey 58159/ or equivalent complete in all respect .	4	nos		
f	Havells 1200mm Mozel ES 3 blade Ceiling Fan , Energy Saving, with Pure Copper Motor 2 Year Warranty ,Elegant White colour	8	Nos		
g	Exhaust fan Havells ventill Air DX 200 mm , strong air sunction, rust proof body and dust protection shutters shade white, complete in all respect as per manufacturer specifications.	6	Nos		
h	Supply/fixing Havells /Crompton High Speed 400 mm Wall Fan (White) complete in all respect.	4	Nos		
j	Wall picture Light fixture 12 watt (warm white)as per above approved makes , Basic cost Rs - 2600 /-	4	Nos		
k	Havells Gate Light Natura Sq 1N x 7.5 W Led Lamp, LHFOASE1TN5W009 equivalent approved .	4	nos		
l	Wall light for outdoor basic price (Rs. 1500/-)	4	nos		
	TOTAL CARRIED OVER TO SUMMARY				

B.D. SHARMA CONSULTING PVT.LTD.

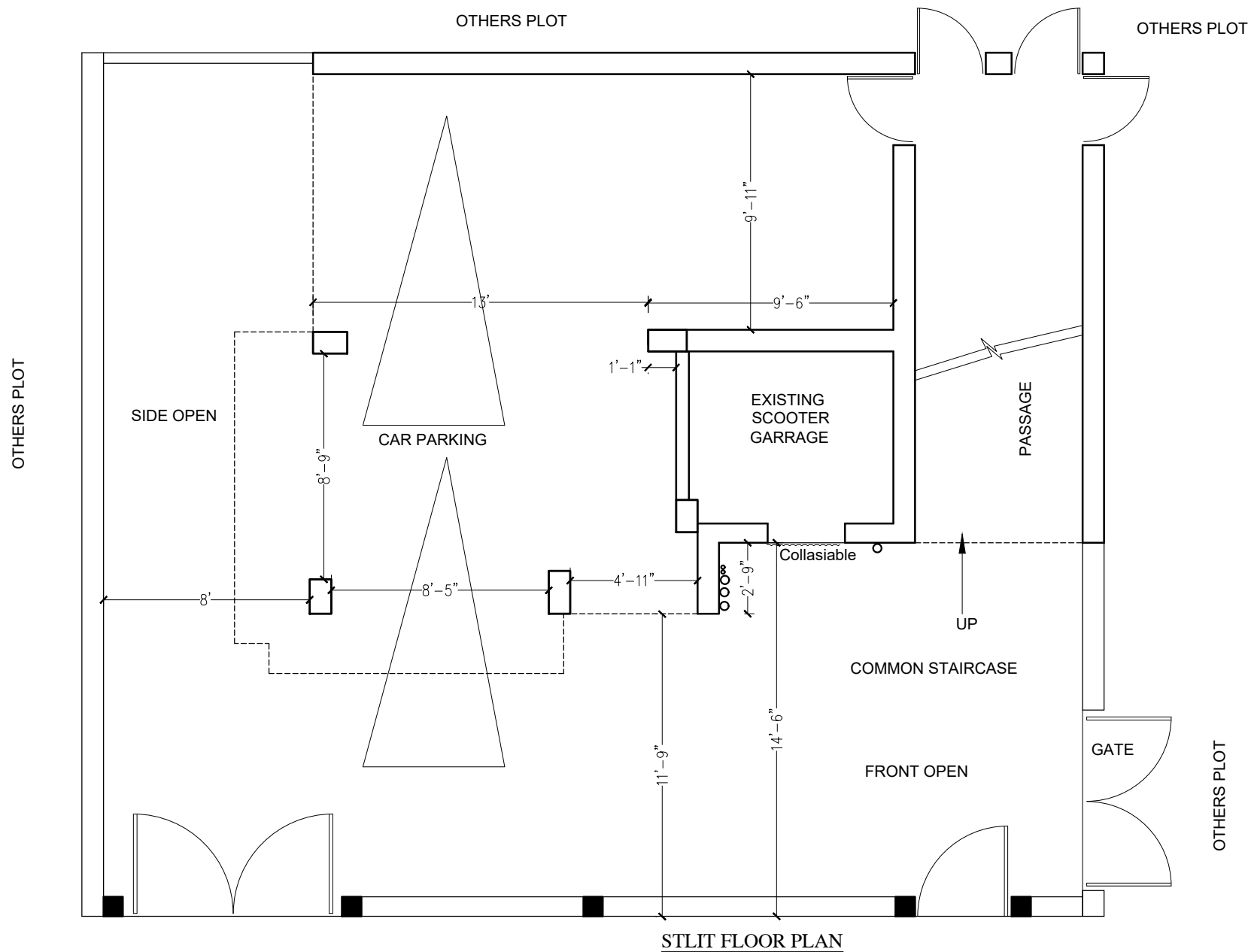
S.No.	Description	Qty		Rate in Rs.	Amount in Rs.
C.	EARTHING SYSTEM				
1	Providing and fixing in position the following copper strips and wires including providing all fixing accessories and effecting proper connections				
a.	Cu wire 8 SWG	80	RM		
2	Providing earthing station at loca-tion as called for including provid-ing 600 mm x 600 mm x 6.3 mm thick tinned G.I Plate in cluding providing 2 Nos 25 x 6 mm G.I strip up to ground level 20mm dia medium class GI pipe (India Tube Company make or approved equal) CI funnel with 20 gauge GI wire mesh, masonry chamber with concrete base, CI man-hole cover with frame (300mm x 300mm) and bitumastic paint and packing the fixture of charcoal and common salt around plate electrode complete as per I.S. (Minimum depth shall be 4.2 M) for Body earth	2	Nos.		
	TOTAL CARRIED OVER TO SUMMARY				

B.D. SHARMA CONSULTING PVT.LTD.

S.No.	Description	Qty		Rate in Rs.	Amount in Rs.
D.	DISTRIBUTION BOARDS				
1	Supplying installing, connecting testing and commissioning of the following cubical type double door 3 rows vertical type 2mm thick sheet steel enclosed fully recessed type, TPN Miniature Circuit Breakers Distribution Boards dust proof, verm-in proof, with hinged and lockable doors complete with DP MCB's and inter-connection with copper wires, or copper tapes, cable glands-/conduit entry bushes, bonding to earth and paint-ing. Also provide separate neutral busbar for each phase. Provide separate Earth Links. Use brass thimbles for connections of all wires.				
1	Light & Power Distribution Board				
a.	Supply and installation of sheet metal enclosed double door 12 Way TPN DB, each phase consisting of 10 Nos. 10/20 AMP SP MCB's and controlled by one number 100 mA sensitivity 63 AMPS DP ELCB backed up with 63 Amps DP MCB.	2	Nos		
b.	Supply and installation of sheet metal enclosed double door 10 Way SPN DB, each phase consisting of 6 Nos. 10/20 AMP SP MCB's and controlled by one number 100 mA sensitivity 63 AMPS DP ELCB backed up with 63 Amps DP MCB.	2	Nos		
	TOTAL CARRIED OVER TO SUMMARY				
E.	CABLES,MAINS,SUBMAINS				
1	Supply, drawing, making connections at both ends using copper lugs and crimping the following sizes of PVC insulated stranded copper conductor wires in Suitable Size of PVC conduits complete as required.				
a.	4 x 16 + 2 x 6 sqmm copper wires in 40 mmdia PVC Conduits Pipe	60	RM		
b	2 x 6 + 1 x 4 sqmm copper wires in 32 mmdia PVC Conduits Pipe	60	RM		
	TOTAL CARRIED OVER TO SUMMARY				

ECGC MURADABAD DUPLEX FLATS

	SUMMARY OF CONTRACT		
PART	Description		Amount
A	CIVIL AND INTERIOR FINISHING WORK	RS.	
B	AIR CONDITIONING WORK	RS.	
C	ELECTRICAL INSTALLATION WORK	RS.	
	SUB TOTAL	RS.	
	DISCOUNT IF ANY (%) (-)	RS.	
	GRAND TOTAL	RS.	
	G.S.T. EXTRA AS APPLICABLE		



STLIT FLOOR PLAN

Tender drawing:

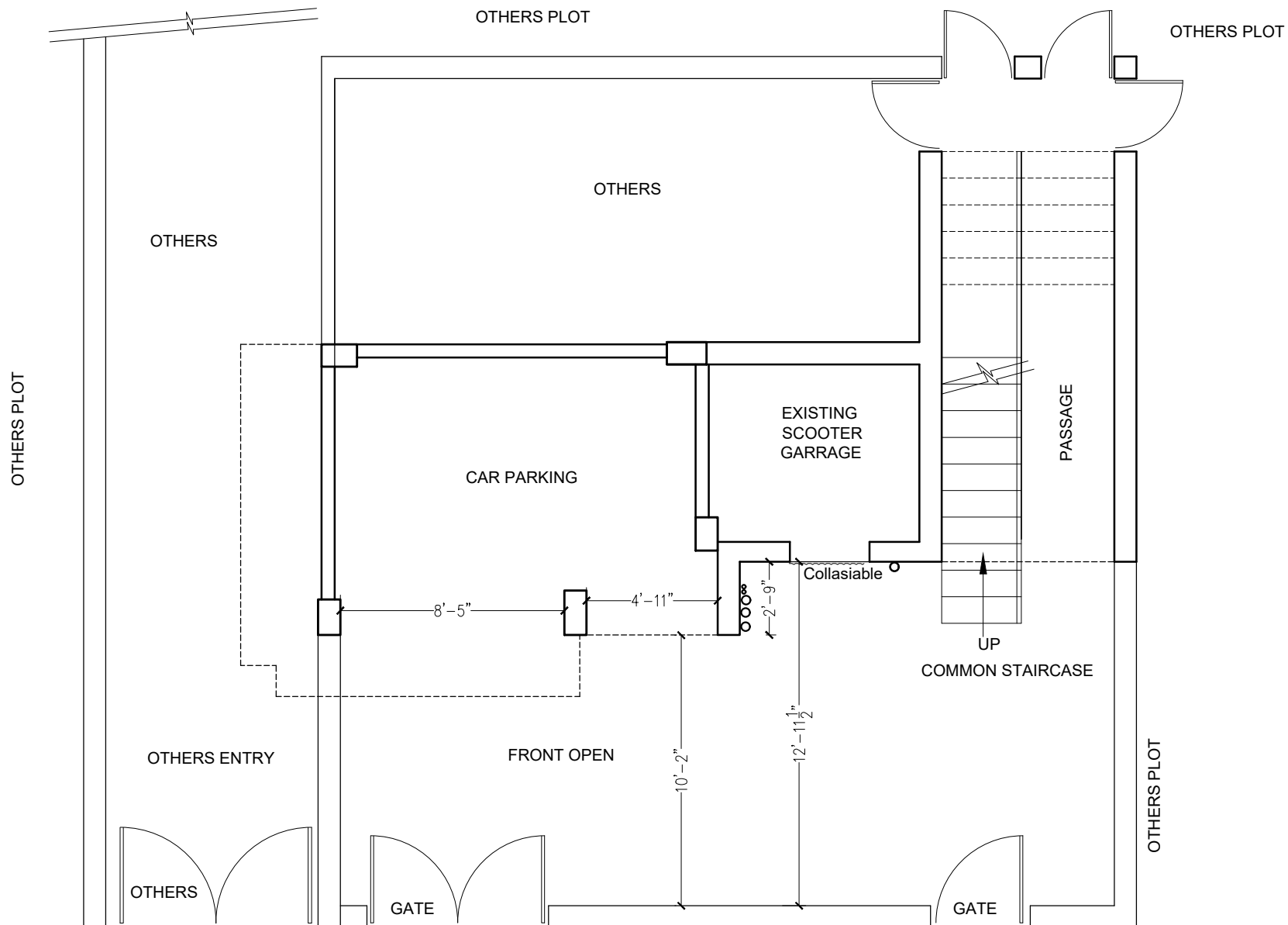
PROJECT:
ECGC RESIDENTIAL FLAT HIG A1,
RAM GANGA VIHAR, PHASE -01, MORADABAD.

TITLE:
STLIT FLOOR
LAYOUT
(FLAT -A1)

DRG.No.:
01
JOB No.:
Ecgc/Murad.

SCALE:—
N.T.S.
DATE:—
NOV./24

ARCHITECTS :—
bdsharma CONSULTING pvt. ltd.
C-1/8, BASEMENT, S.D.A. ADJ. AUROBINDO
MARKET NEW DELHI-110016
PHONES:— 26563781, 26522528,
email— bdsarchitect@gmail.com

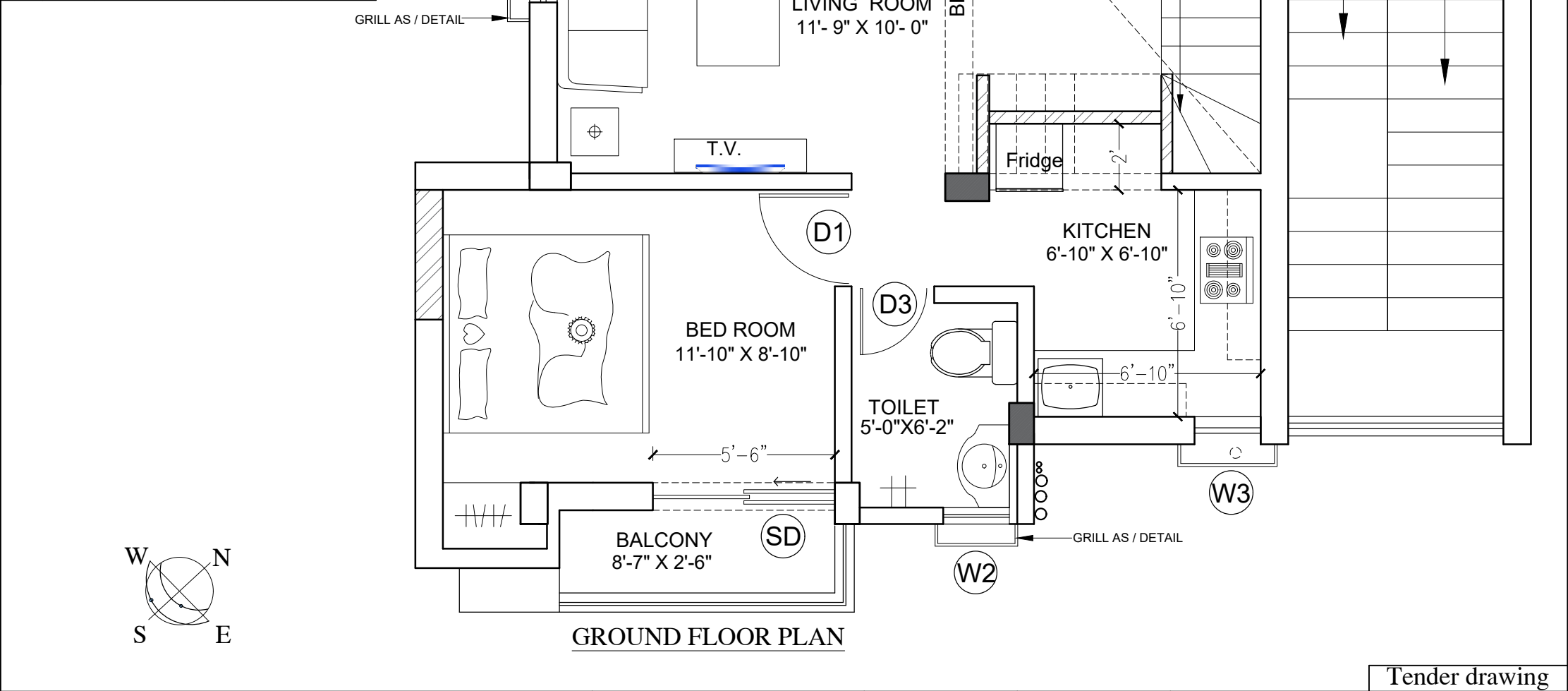


STLIT FLOOR PLAN

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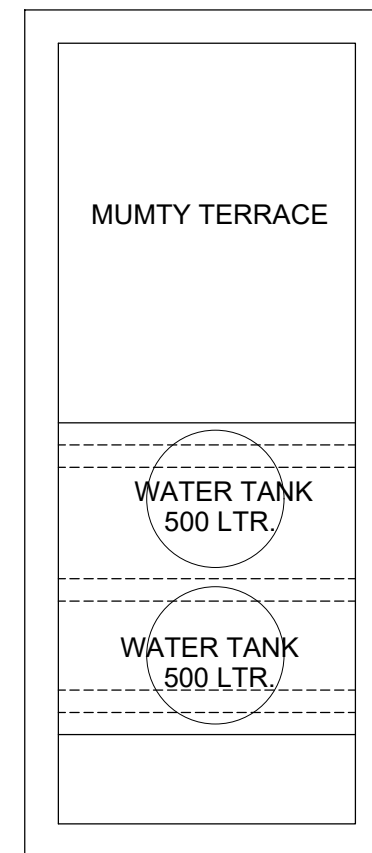
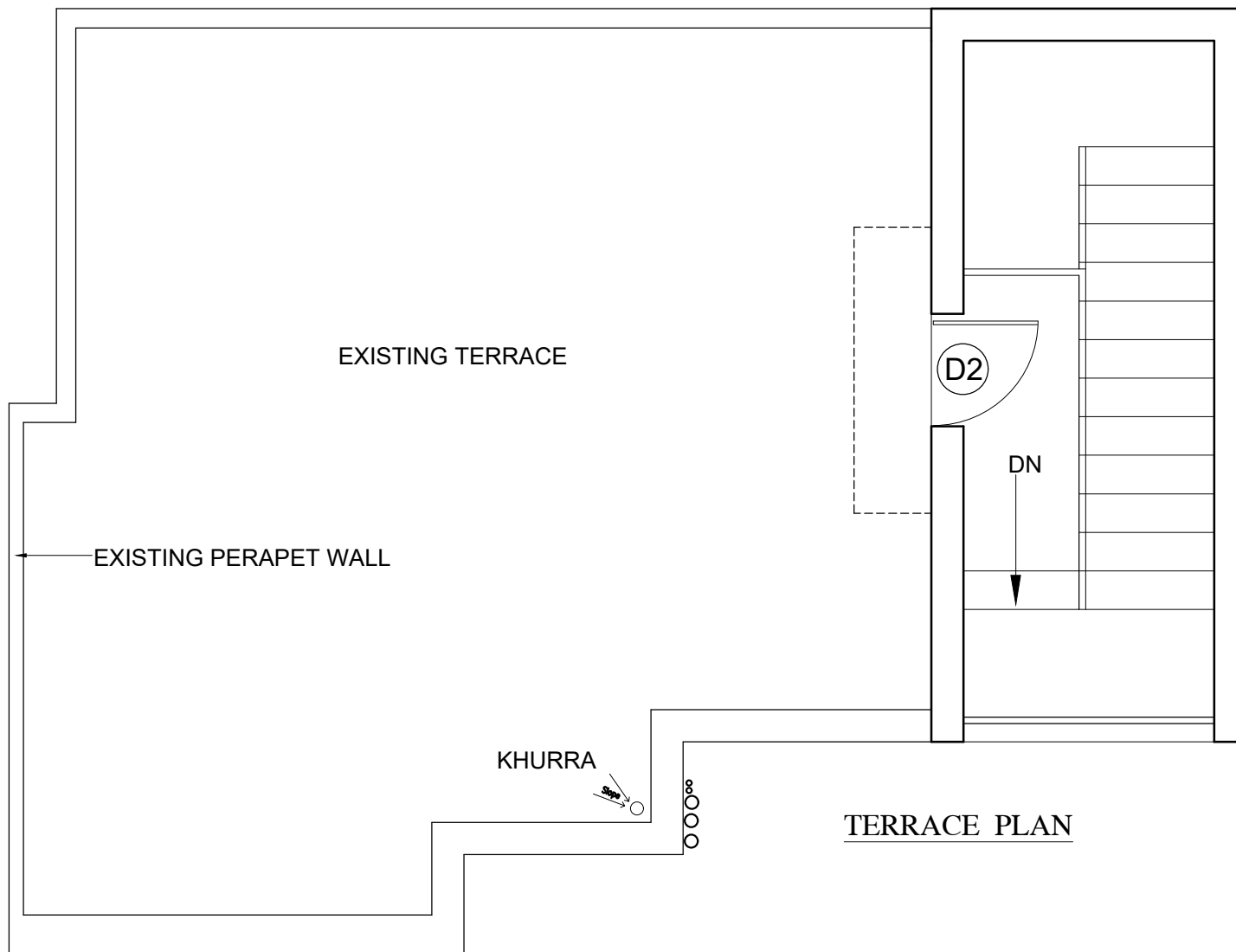
<p>PROJECT:</p> <p>ECGC RESIDENTIAL FLAT HIG - A9 RAM GANGA VIHAR, PHASE -01, MORADABAD.</p>	<p>TITLE:</p> <p>STLIT FLOOR LAYOUT (FLAT -A9)</p>	<p>DRG.No.:</p> <p>01A</p> <p>JOB No.:</p> <p>Ecgc/Murad.</p>	<p>SCALE:-</p> <p>N.T.S.</p> <p>DATE:-</p> <p>NOV./24</p>	<p>ARCHITECTS :-</p> <p>bdsharma CONSULTING pvt. ltd. C-1/8, BASEMENT, S.D.A. ADJ. AUROBINDO MARKET NEW DELHI-110016 PHONES:- 26563781, 26522528, email- bdsarchitect@gmail.com</p>
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DOOR WINDOW OPENING SCHEDULE				
		size	CILL	LINTEL
1.	D	2'-9" X 7'-0"	as/site	as/site
2.	D1	3'-0" X 7'-0"		7'-0"
3.	D3	2'-6" X 7'-0"		7'-0"
4.	W1	5'-0" X 5'-0"	2'-0"	7'-0"
5.	W2	2'-0" X 4'-0"	3'-0"	7'-0"
6.	W3	2'-0" X 4'-0"	3'-0"	7'-0"
7.	SD	5'-6" X 7'-0"	0'-0"	as/site



Tender drawing

PROJECT: ECGC RESIDENTIAL FLAT HIG A1, A9 RAM GANGA VIHAR, PHASE -01, MORADABAD.	TITLE: (TYPICAL) GROUND FLOOR LAYOUT	DRG.No.:	SCALE:—	ARCHITECTS :— bdsharma CONSULTING pvt. ltd. C-1/8, BASEMENT, S.D.A. ADJ. AUROBINDO MARKET NEW DELHI-110016 PHONES:— 26563781, 26522528, email— bdsarchitect@gmail.com
		02	N.T.S.	
		JOB No.:	DATE:—	
		Ecgc/Murad.	NOV./24	



MUMTY TERRACE

Tender drawing

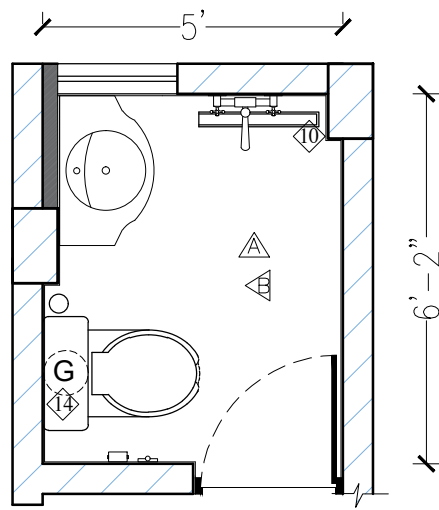
PROJECT:
ECGC RESIDENTIAL FLAT HIG A1, A9
RAM GANGA VIHAR, PHASE -01, MORADABAD.

TITLE:
(TYPICAL)
TERRACE PLAN

DRG.No.:
04
JOB No.:
Ecgc/Murad.

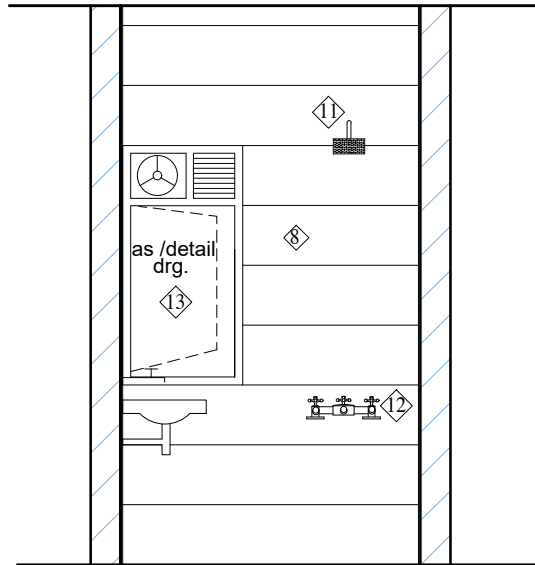
SCALE:—
N.T.S.
DATE:—
NOV./24

ARCHITECTS :—
bdsharma CONSULTING pvt. ltd.
C-1/8, BASEMENT, S.D.A. ADJ. AUROBINDO
MARKET NEW DELHI-110016
PHONES:— 26563781, 26522528,
email— bdsarchitect@gmail.com



PLAN

slab as / exis.

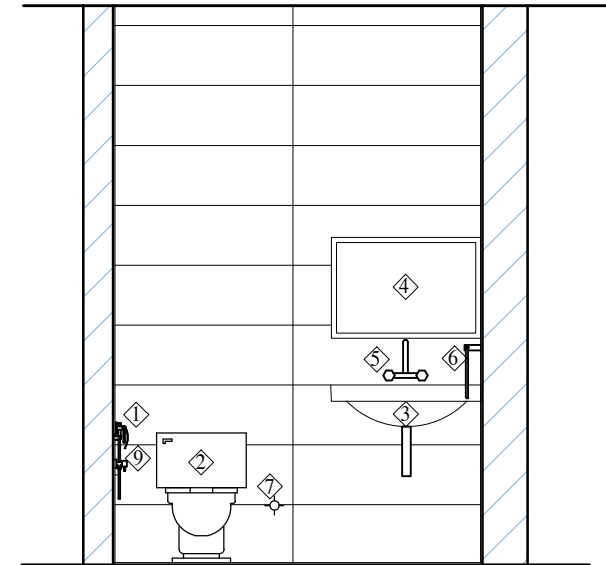


ELEVATION-A

LEGEND

- | | |
|-------------------------|-----------------|
| 1 HEALTH FAUCET | 10 FLOOR TRAP |
| 2 E.W.C. | 11 SHOWER PANEL |
| 3 WASH BASIN | 12 TAP |
| 4 MIRROR WITH STORAGE | 13 WINDOW |
| 5 BASIN MIXER AS/ SPEC. | 14 GEYSER |
| 6 TOWEL RING | |
| 7 GATE VALVE | |
| 8 WALL TILES AS/SPEC. | |
| 9 PAPER HOLDER | |

slab as / exis.



ELEVATION-B

PROJECT:

**ECGC RESIDENTIAL FLAT HIG A1, A9
RAM GANGA VIHAR, PHASE -01, MORADABAD.**

TITLE:

**TOILET -1 DETAIL
GROUND FLOOR**

DRG.No.:

05

JOB No.:

Ecgc/Murad.

SCALE:—

N.T.S.

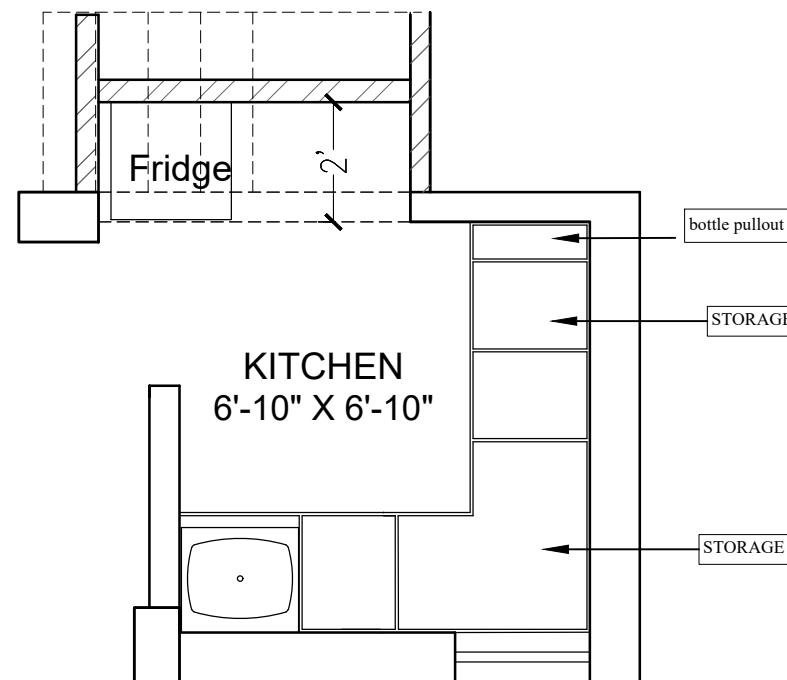
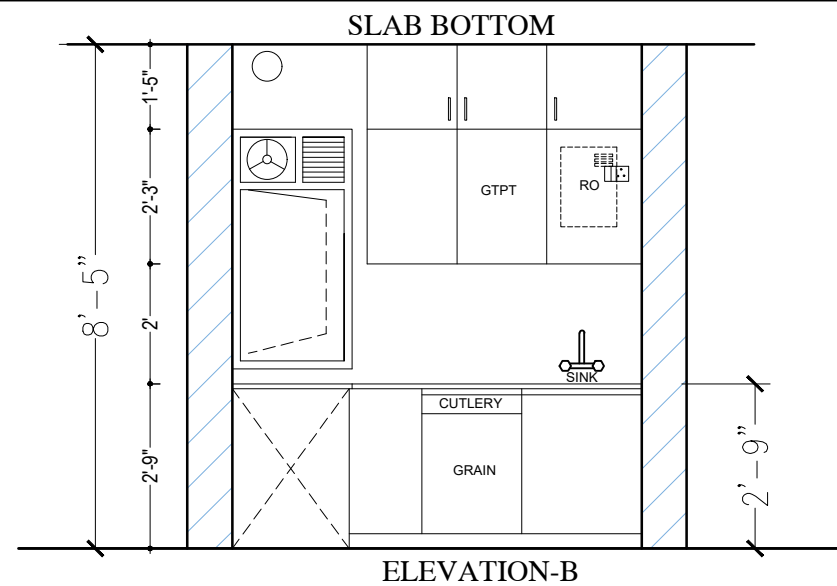
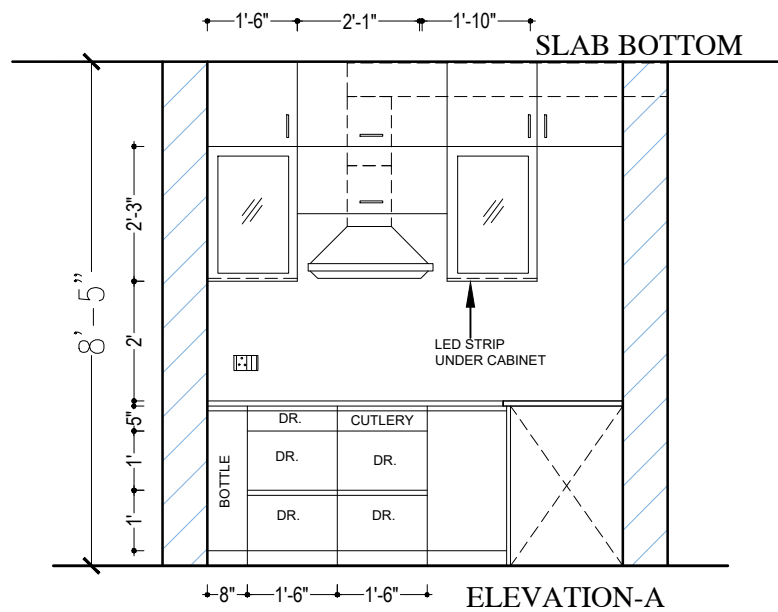
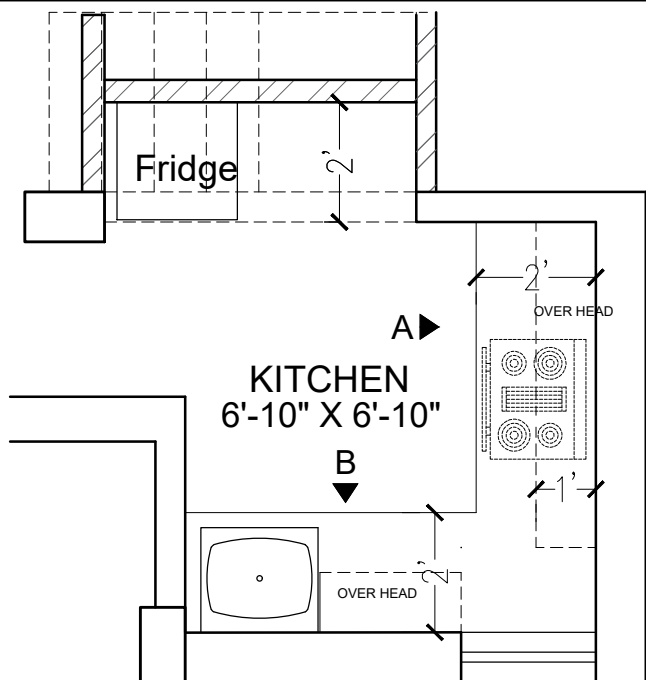
DATE:—

NOV./24

TENDER DRAWING

ARCHITECTS :—

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C-1/8, BASEMENT, S.D.A. ADJ. AUROBINDO
MARKET NEW DELHI-110016
PHONES:— 26563781, 26522528,
email— bdsarchitect@gmail.com



TENDER DRAWING

PROJECT:

ECGC RESIDENTIAL FLAT HIG A1, A9
RAM GANGA VIHAR, PHASE -01, MORADABAD.

TITLE:

KITCHEN

DRG.No.:

06

JOB No.:

Ecgc/Murad.

SCALE:-

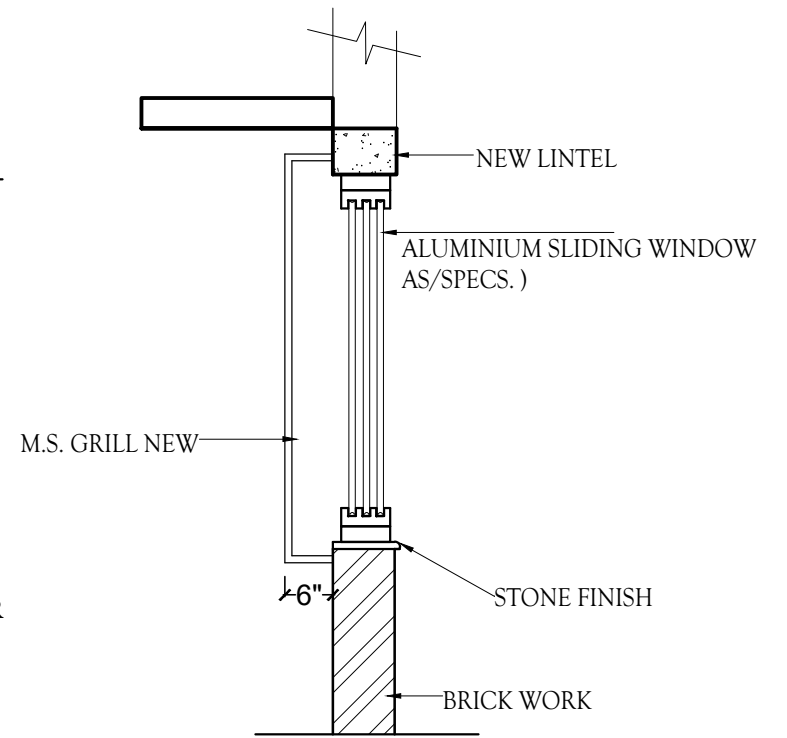
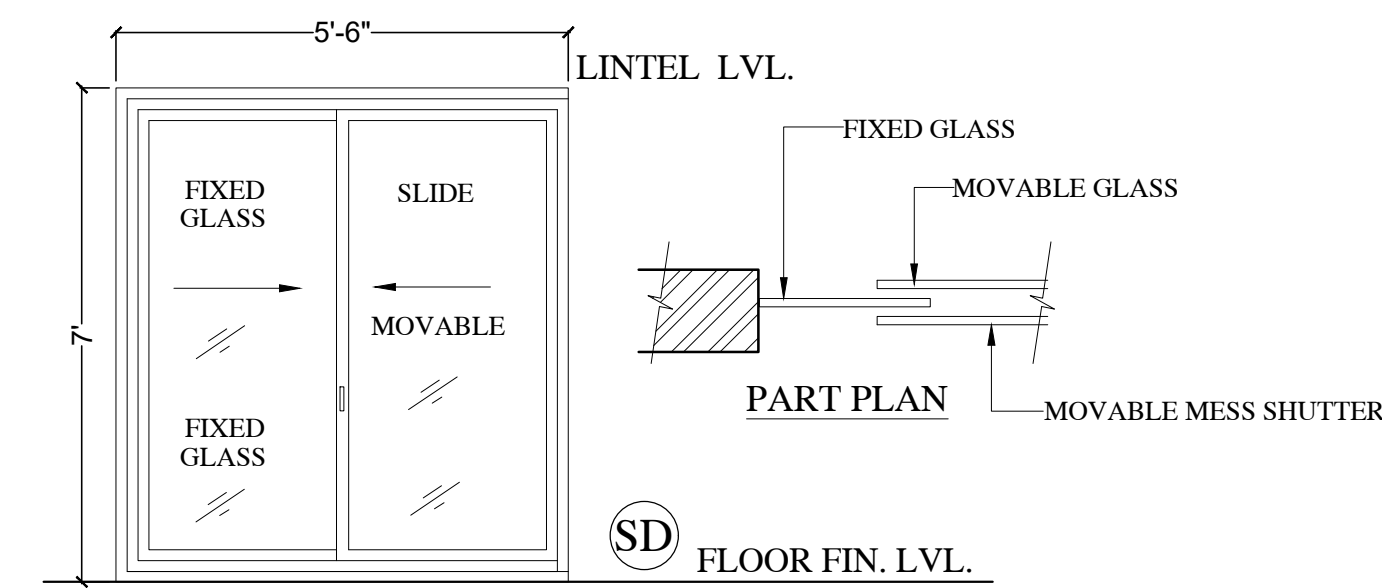
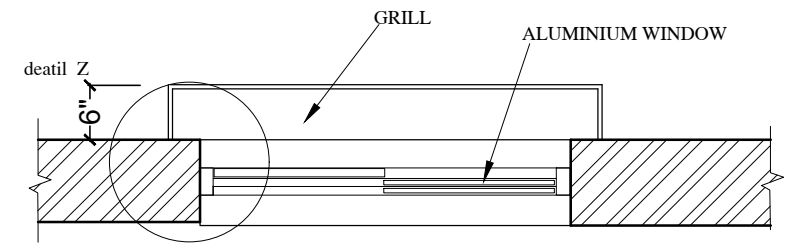
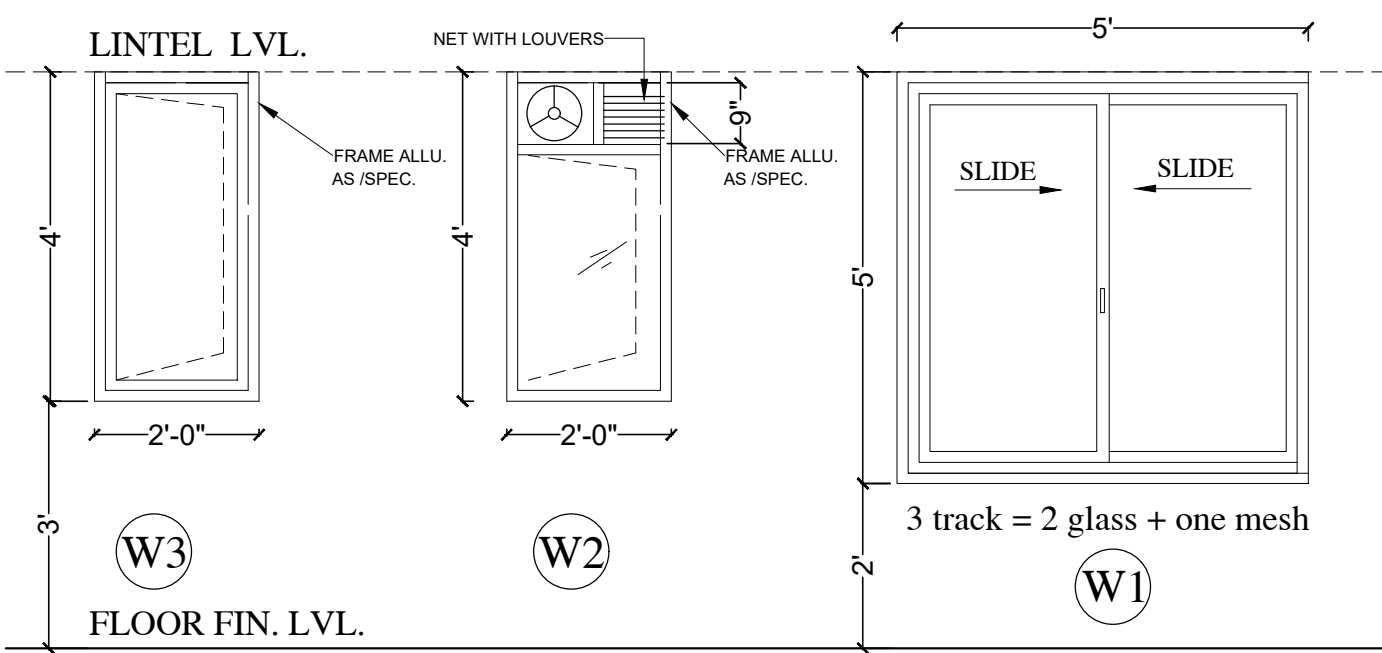
N.T.S.

DATE:-

NOV./24

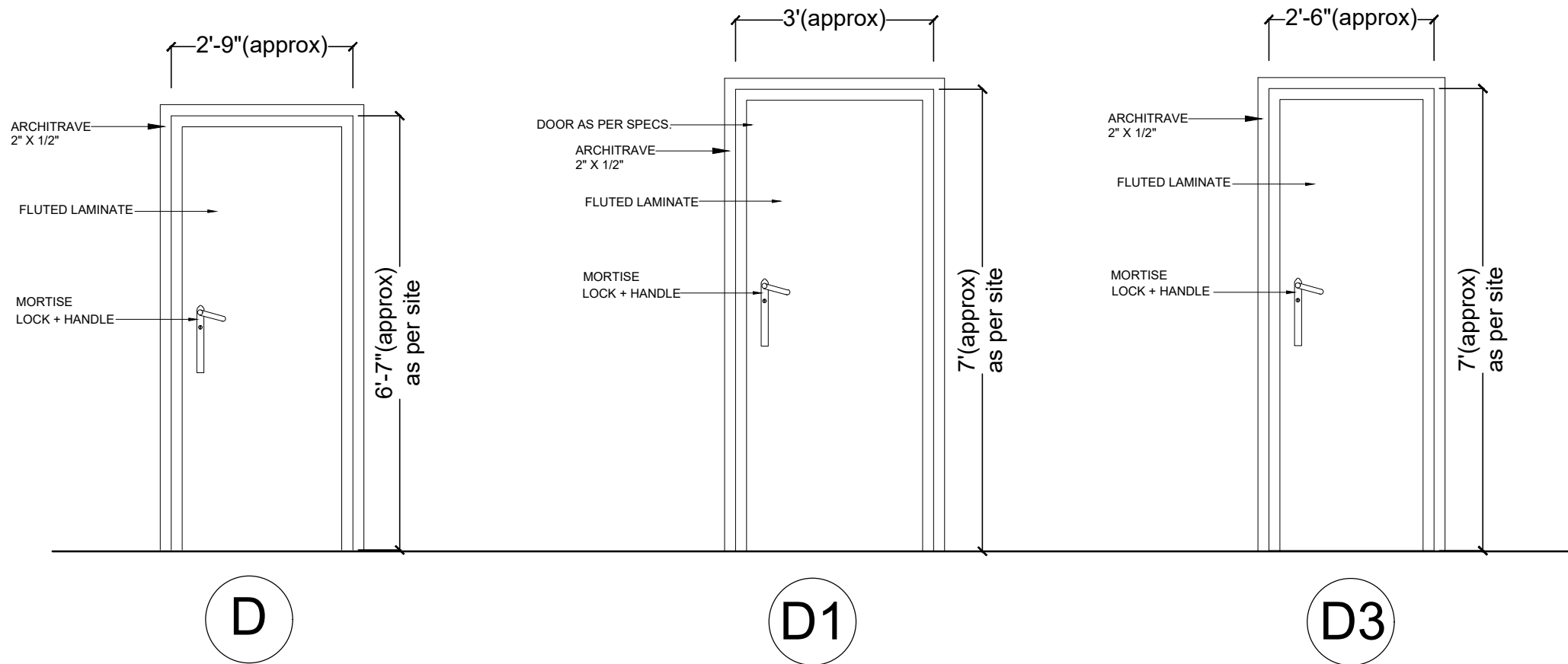
ARCHITECTS :-

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MARKET NEW DELHI-110016
PHONES:- 26563781, 26522528,
email- bdsarchitect@gmail.com



TENDER DRAWING			
ARCHITECTS :- bdsharma CONSULTING pvt. ltd. C-1/8, BASEMENT, S.D.A. ADJ. AUROBINDO MARKET NEW DELHI-110016 PHONE :26563781,26522528 email: bdsarchitect@gmail.com			

PROJECT: ECGC RESIDENTIAL FLAT HIG A1, A9 RAM GANGA VIHAR, PHASE -01, MORADABAD.	TITLE: WINDOW DETAIL	DATE:-	DRG.No.:
		NOV./ 24	07
		JOB No.:	Scale :
		Ecgc/Murad.	N.T.S.



TENDER DRAWING

ARCHITECTS :-
bdsharma CONSULTING pvt. ltd.
 C-1/8, BASEMENT, S.D.A. ADJ. AUROBINDO
 MARKET NEW DELHI-110016
 PHONE :26563781,26522528
 email: bdsarchitect@gmail.com

PROJECT:

ECGC RESIDENTIAL FLAT HIG A1, A9
 RAM GANGA VIHAR, PHASE -01, MORADABAD.

TITLE:

FLUSH DOORS

DATE:-

NOV./ 24

JOB No.:

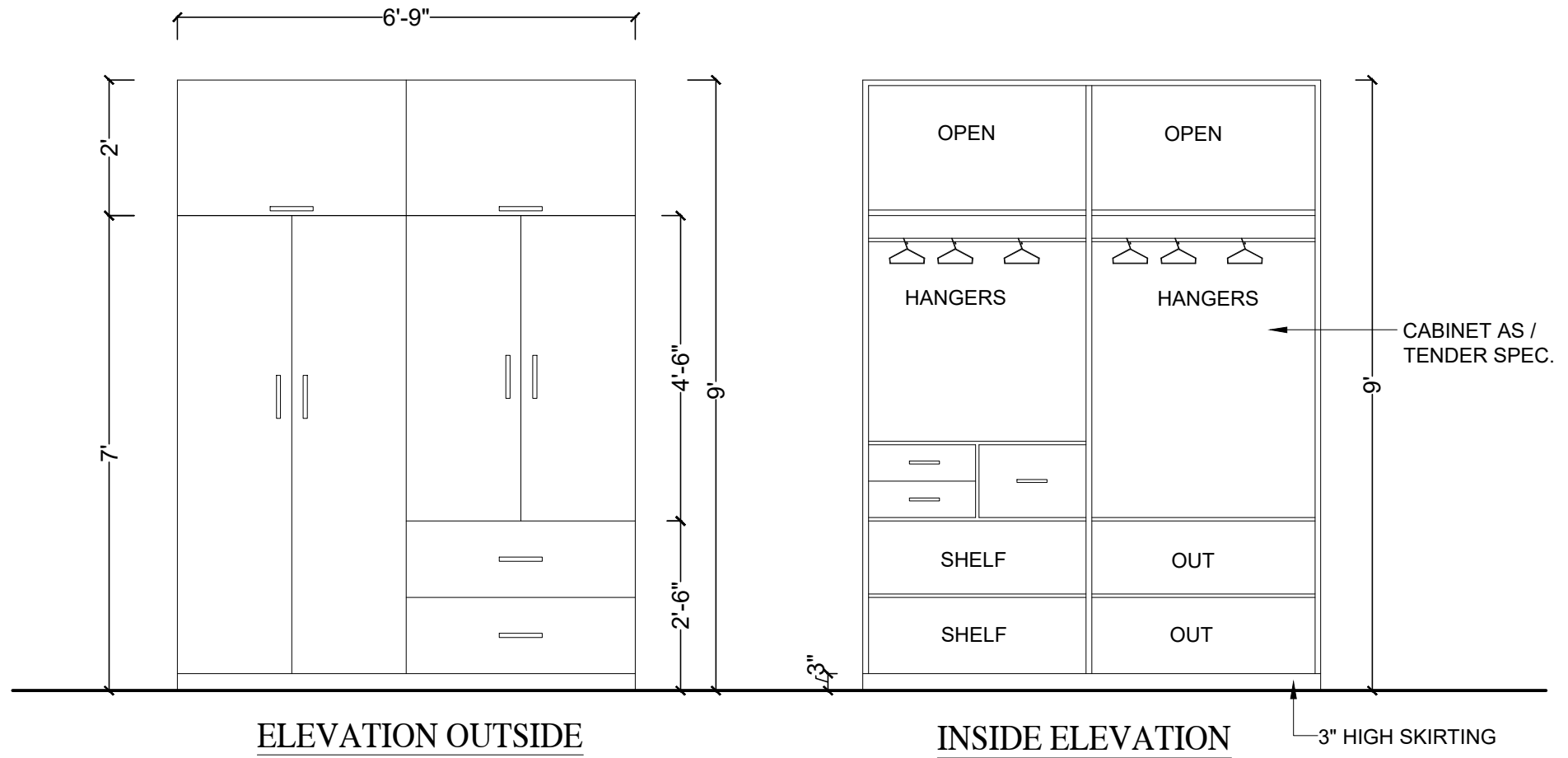
Ecgc/Murad.

DRG.No.:

08

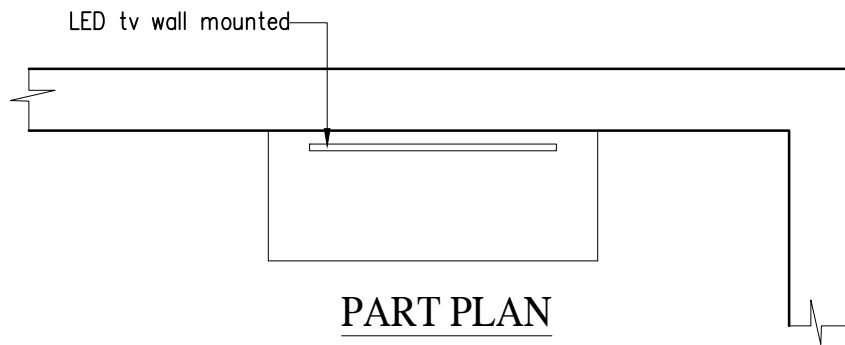
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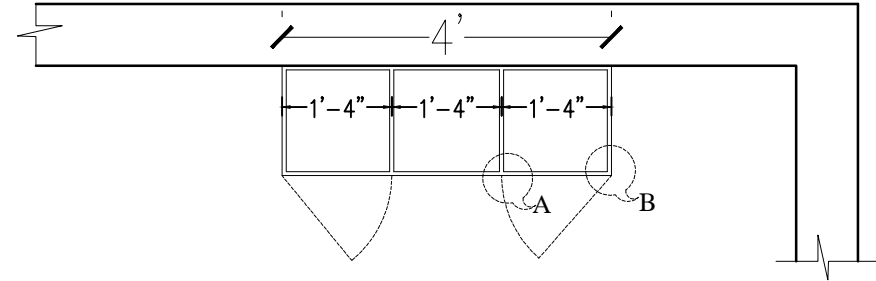


TENDER DRAWING				
ARCHITECTS :-				
bdsharma CONSULTING pvt. ltd.				
C-1/8, BASEMENT, S.D.A. ADJ. AUROBINDO				
MARKET NEW DELHI-110016				
PHONE :26563781,26522528				
email: bdsarchitect@gmail.com				

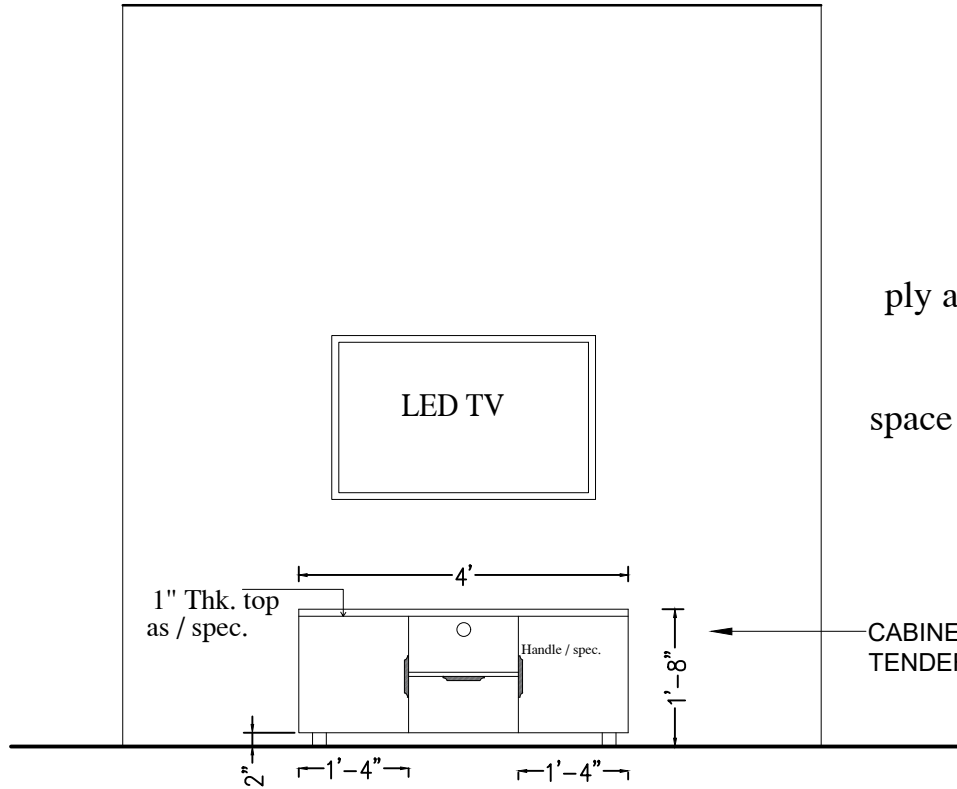
PROJECT:	TITLE:	DATE:—	DRG.No.:
ECGC RESIDENTIAL FLAT HIG A1 & A9 RAM GANGA VIHAR, PHASE -01, MORADABAD.	DOOR DETAIL	NOV./ 24	09
		JOB No.:	Scale :
		Ecgc/Murad.	N.T.S.



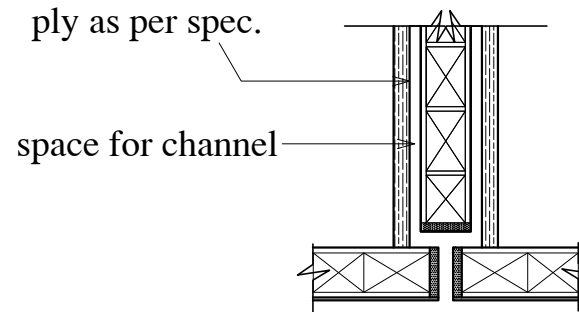
PART PLAN



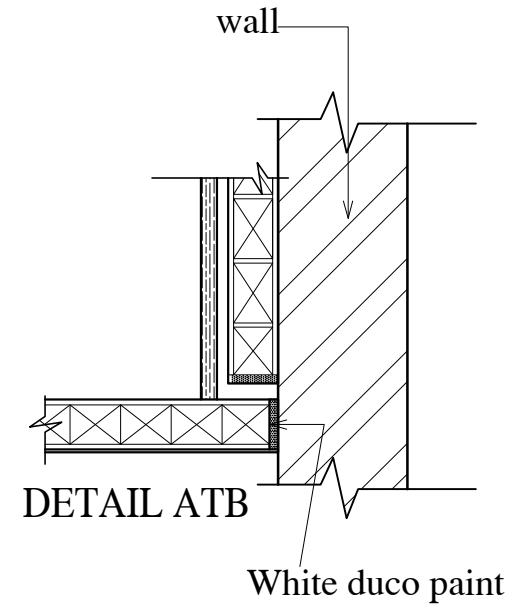
SECTIONAL PLAN AT X



ELEVATION



DETAIL AT A



DETAIL AT B

TENDER DRAWING

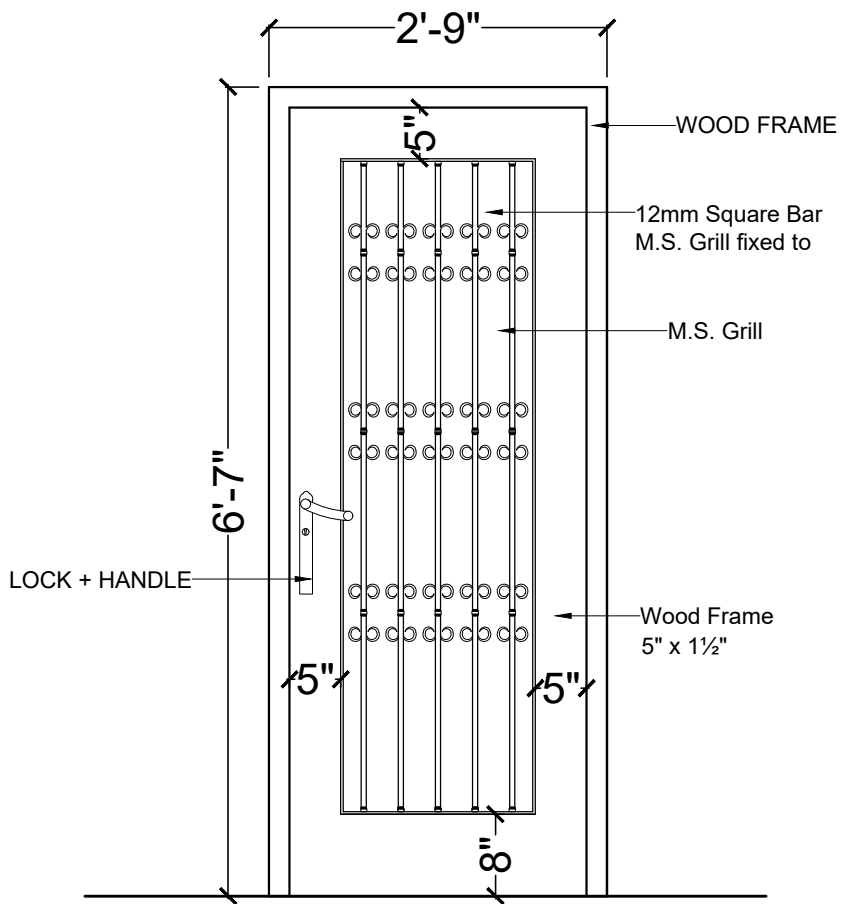
ARCHITECTS :-
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 C-1/8, BASEMENT, S.D.A. ADJ. AUROBINDO
 MARKET NEW DELHI-110016
 PHONE :26563781,26522528
 email: bdsarchitect@gmail.com

PROJECT:
ECGC RESIDENTIAL FLAT HIG A1 & A9
RAM GANGA VIHAR, PHASE -01, MORADABAD.

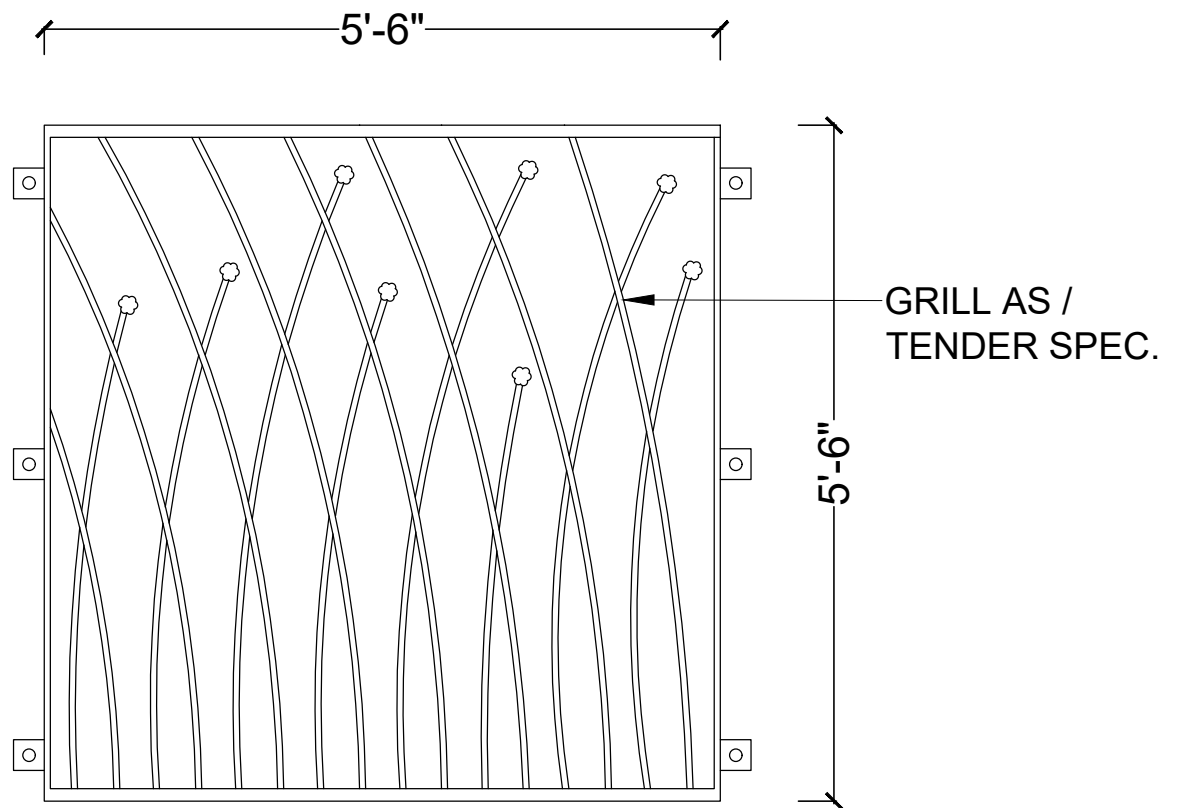
TITLE:
T.V. CABINET

DATE:-
NOV./ 24
 JOB No.:
Ecgc/Murad.

DRG.No.:
10
 Scale :
N.T.S.



**MAIN ENTRY DOOR
(OUTSIDE)**



WINDOW GRILL ELEVATION

PROJECT:

ECGC RESIDENTIAL FLAT HIG A1, A9
RAM GANGA VIHAR, PHASE -01, MORADABAD.

TITLE:

Main entry& window grill

DRG.No.:

11

JOB No.:

Ecgc/Murad.

SCALE:—

N.T.S.

DATE:—

NOV./ 24

TENDER WORKING

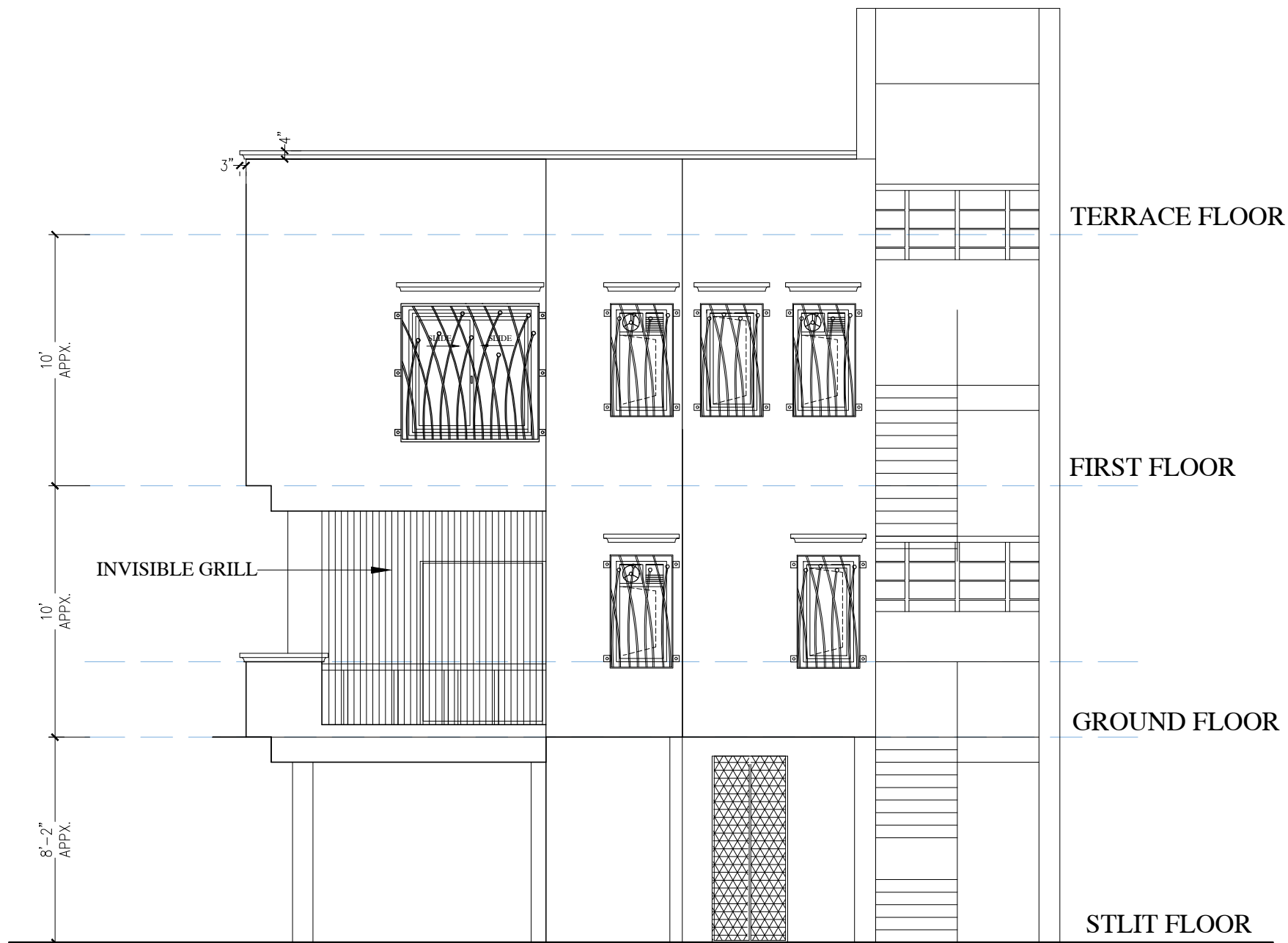
ARCHITECTS :—

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MARKET NEW DELHI-110016

PHONES:— 26563781, 26522528,

email— bdsarchitect@gmail.com



Tender drawing:

PROJECT:

ECGC RESIDENTIAL FLAT HIG A1, A9
RAM GANGA VIHAR, PHASE -01, MORADABAD.

TITLE:

FRONT ELEVATION

DRG.No.:

13

JOB No.:

Ecgc/Murad.

SCALE:—

N.T.S.

DATE:—

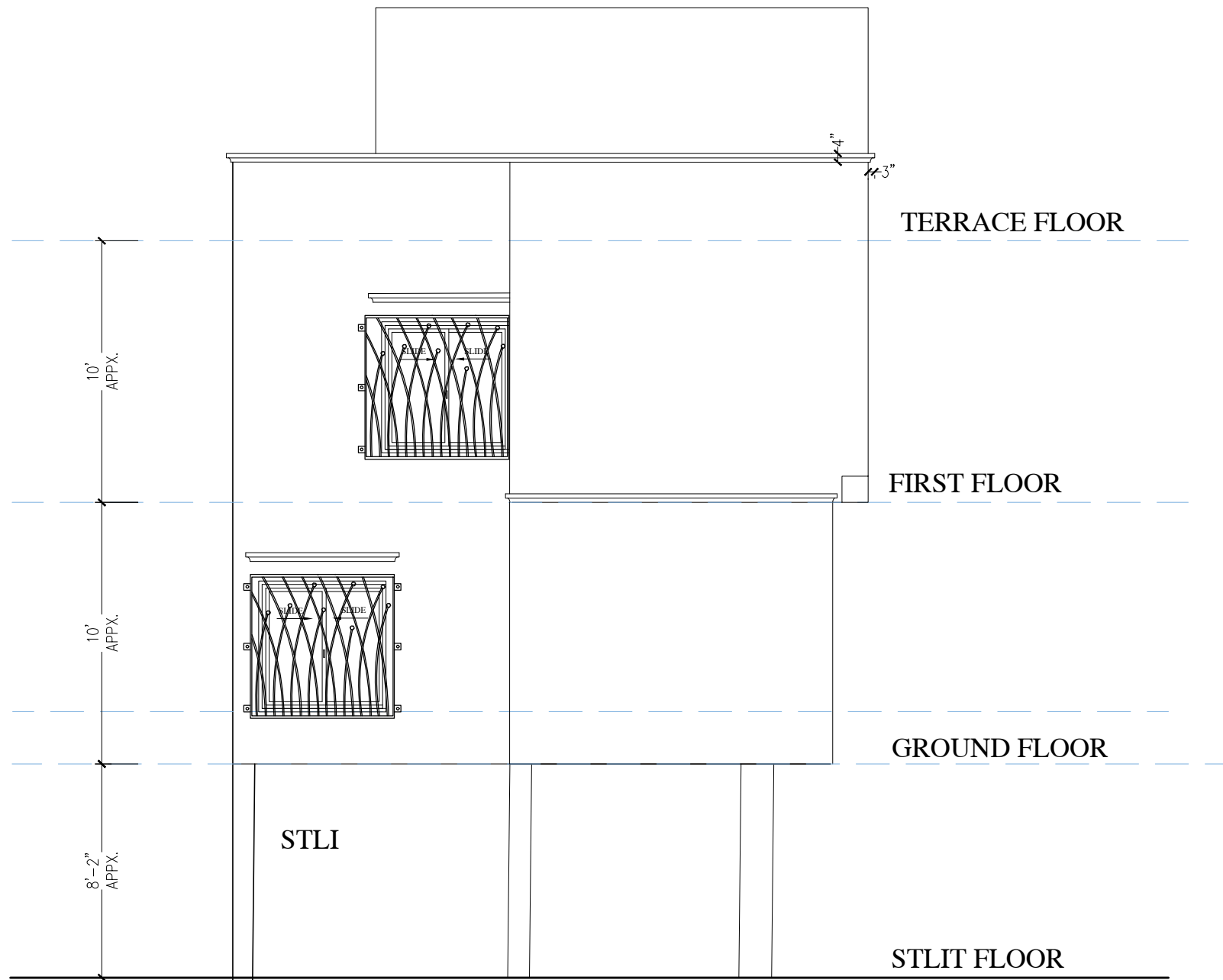
NOV./24

ARCHITECTS :—

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PHONES:— 26563781, 26522528,
email— bdsarchitect@gmail.com



Tender drawing:

PROJECT:

ECGC RESIDENTIAL FLAT HIG A1, A9
RAM GANGA VIHAR, PHASE -01, MORADABAD.

TITLE:

SIDE ELEVATION

DRG.No.:

14

JOB No.:

Ecgc/Murad.

SCALE:—

N.T.S.

DATE:—

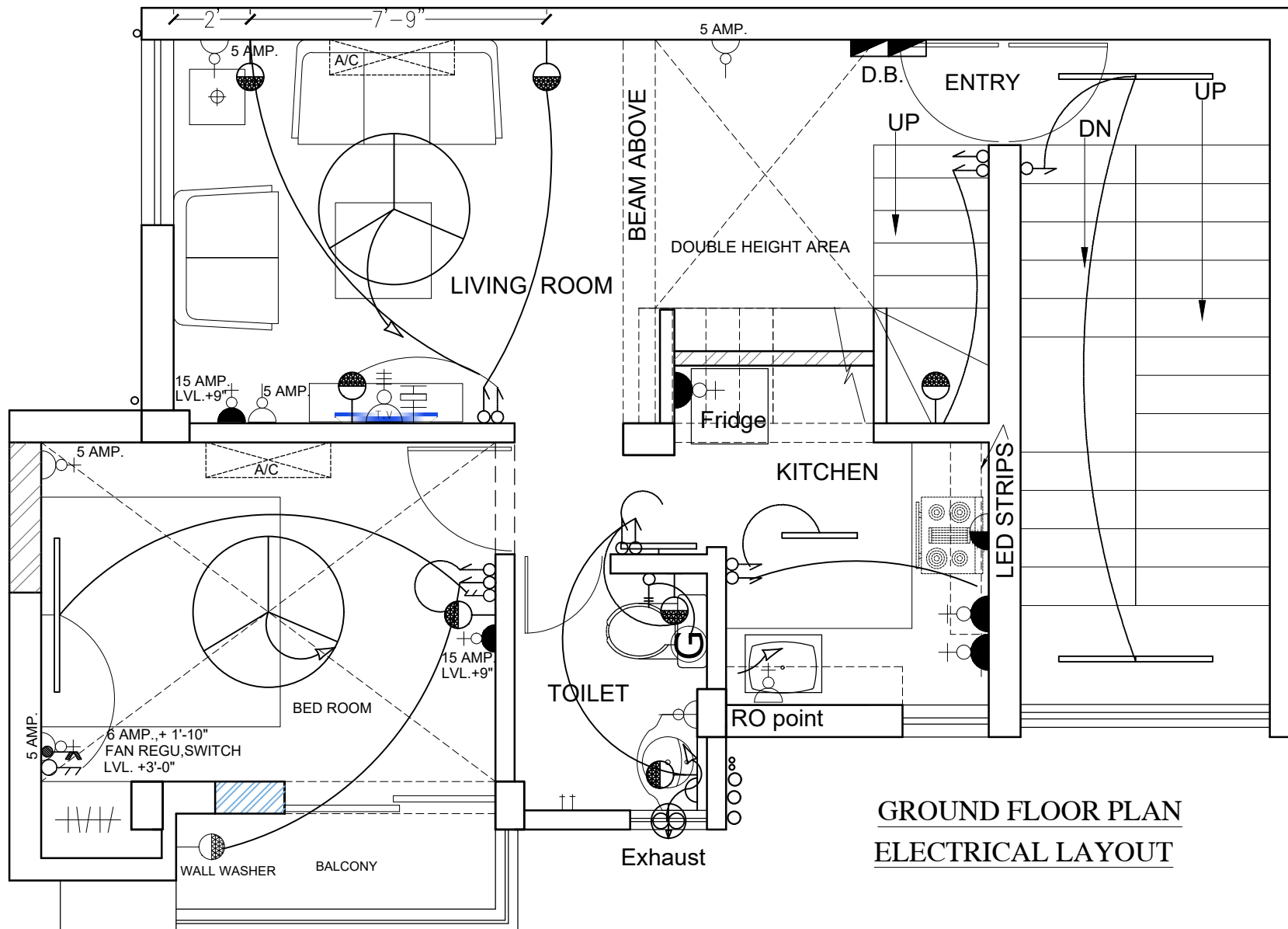
NOV./24

ARCHITECTS :—

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MARKET NEW DELHI-110016

PHONES:— 26563781, 26522528,
email— bdsarchitect@gmail.com



**GROUND FLOOR PLAN
ELECTRICAL LAYOUT**

Tender drawing:

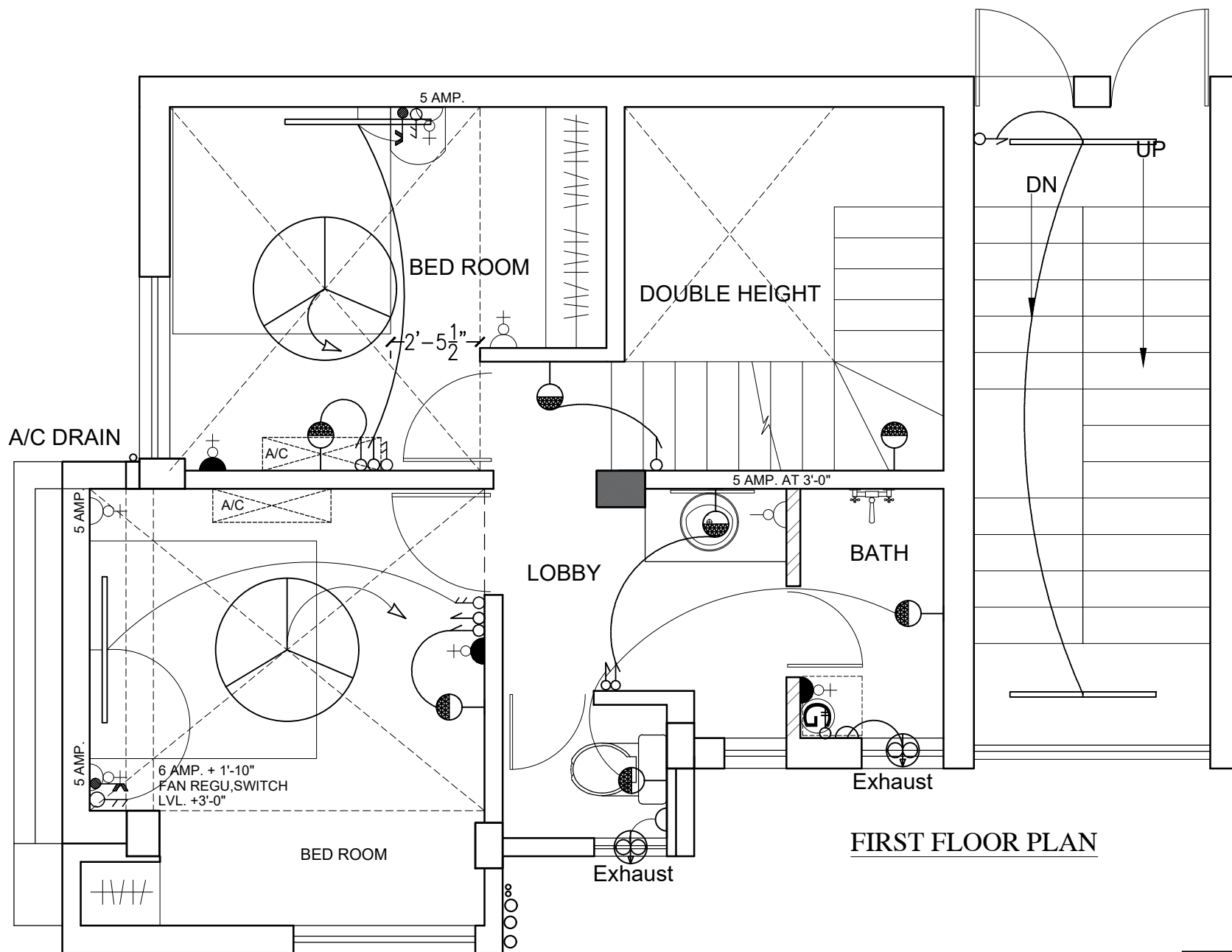
PROJECT:
**ECGC RESIDENTIAL FLAT HIG - A1, A9
RAM GANGA VIHAR, PHASE -01, MORADABAD.**

TITLE:
**ELECTRICAL LAYOUT
GROUND FLOOR**

DRG.No.:
15
JOB No.:
Ecgc/Murad.

SCALE:—
N.T.S.
DATE:—
NOV./24

ARCHITECTS :—
bdsharma CONSULTING pvt. ltd.
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MARKET NEW DELHI-110016
PHONES:— 26563781, 26522528,
email— bdsarchitect@gmail.com



FIRST FLOOR PLAN

Tender drawing:

PROJECT:

**ECGC RESIDENTIAL FLAT HIG - A1
RAM GANGA VIHAR, PHASE -01, MORADABAD.**

TITLE:

**ELECTRICAL LAYOUT
FIRST FLOOR**

DRG.No.:

15A

JOB No.:

Ecgc/Murad.

SCALE:—

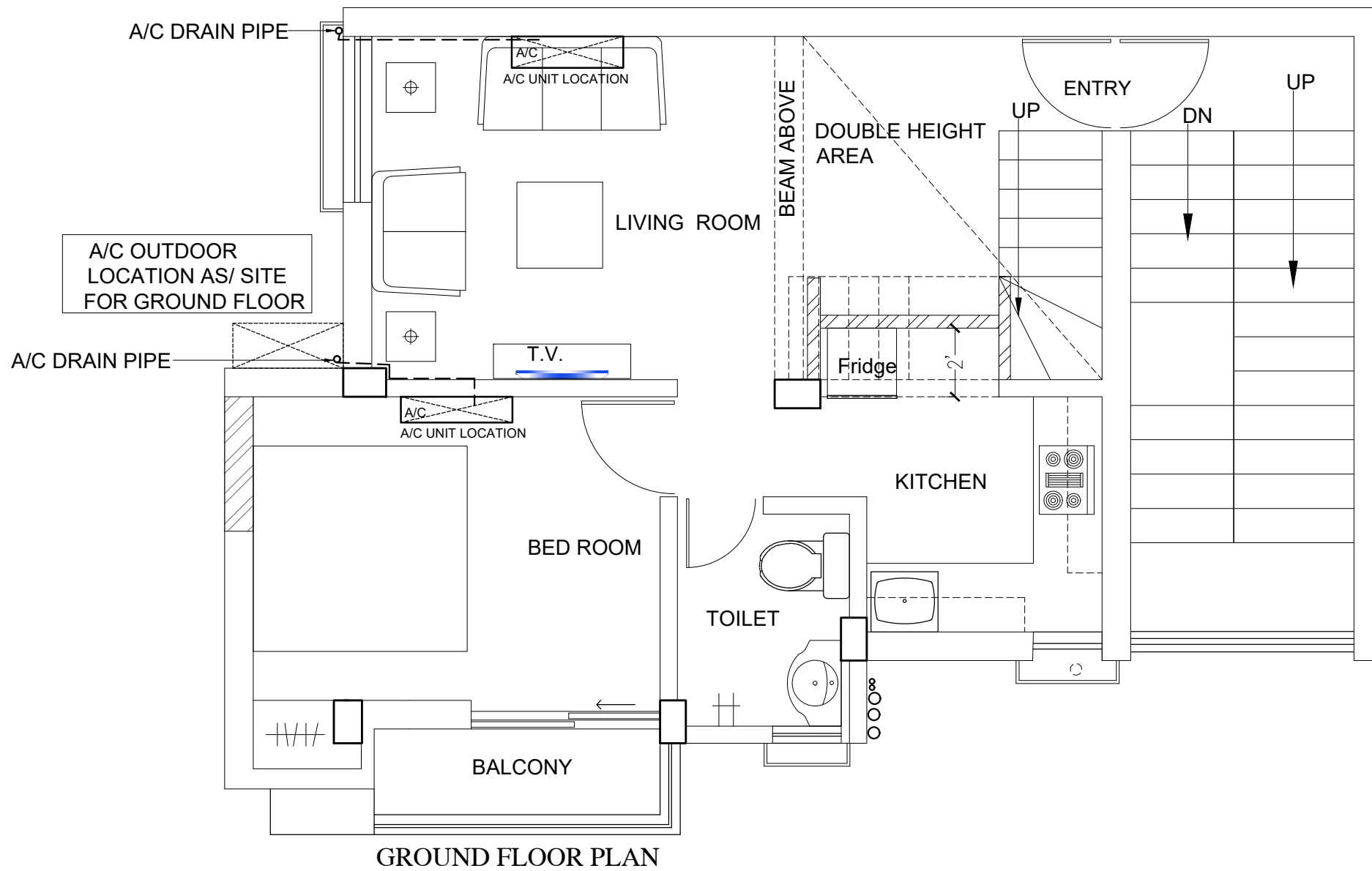
N.T.S.

DATE:—

NOV./24

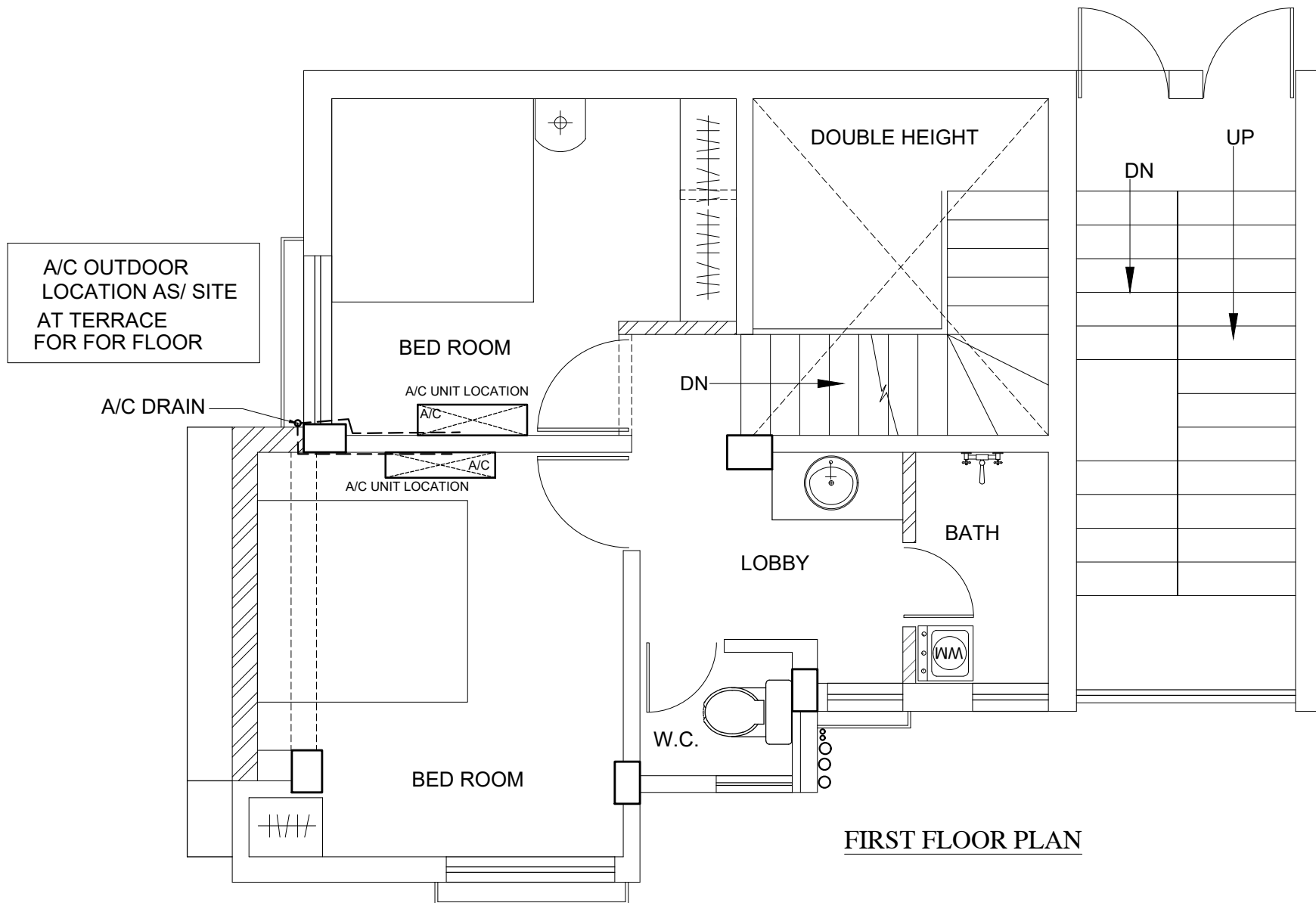
ARCHITECTS :—

bdsharma CONSULTING pvt. ltd.
C-1/8, BASEMENT, S.D.A. ADJ. AUROBINDO
MARKET NEW DELHI-110016
PHONES:— 26563781, 26522528,
email— bdsarchitect@gmail.com



Tender drawing

<p>PROJECT:</p> <p>ECGC RESIDENTIAL FLAT HIG A1, A9 RAM GANGA VIHAR, PHASE -01, MORADABAD.</p>	<p>TITLE:</p> <p>(TYPICAL) GROUND FLOOR A/C LAYOUT</p>	<p>DRG.No.:</p> <p>16</p> <p>JOB No.:</p> <p>Ecgc/Murad.</p>	<p>SCALE:-</p> <p>N.T.S.</p> <p>DATE:-</p> <p>NOV./24</p>	<p>ARCHITECTS :-</p> <p>bdsharma CONSULTING pvt. ltd. C-1/8, BASEMENT, S.D.A. ADJ. AUROBINDO MARKET NEW DELHI-110016 PHONES:- 26563781, 26522528, email- bdsarchitect@gmail.com</p>
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Tender drawing

PROJECT:

ECGC RESIDENTIAL FLAT HIG A1, A9
RAM GANGA VIHAR, PHASE -01, MORADABAD.

TITLE:

(TYPICAL)
FIRST FLOOR
A/C LAYOUT

DRG.No.:

17

JOB No.:

Ecgc/Murad.

SCALE:-

N.T.S.

DATE:-

NOV./24

ARCHITECTS :-

bdsharma CONSULTING pvt. ltd.

C-1/8, BASEMENT, S.D.A. ADJ. AUROBINDO
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