

**NAME OF WORK-** INTERIOR WORKS FOR THE CONSTRUCTION OF **MULTITRAINING FACILITY CENTRE & LECTURE HALLS** AT IITM,PUNE.

**NAME OF CLIENT-** INDIAN INSTITUTE OF TROPICAL METEOROLOGY,DR. HOMI BHABHA ROAD,PASHAN,PUNE

**NAME OF ARCHITECT-** M/s ARCHIVISTA ENGINEERING PROJECTS PVT. LTD, PUNE.

**NAME OF PROJECT MANAGEMENT CONSULTANT-** M/s ARCHIVISTA ENGINEERING PROJECTS PVT. LTD, PUNE.

MEENUTES OF PRE BID MEETING HELD AT INDIAN INSTITUTE OF TROPICALMETEOROLOGY, PUNE ON 27/11/2011 AT 11.00AM

R.NO	ITEM DESCRIPTION	REFERNCE TO BID DOCUMENT	PRE BID MEETING DECISION
1	<b>Material Advance at Site-</b>	Pre- Bid Meeting	60% advance can be paid to contractor against the material at site as per the Government norms, with due submission of proper invoices and certification of PMC.
2	<b>Tender Drawings</b>	Pre- Bid Meeting	Only five numbers of tender drawings out of twenty one numbers are uploaded on IITM website, which are not sufficient. During Pre-Bid meeting, soft copy of balanced drawing has been issued to present vendors in the meeting.
3	<b>Completion period/ Time Extension</b>	Pre- Bid Meeting	No Change in completion period , it will remain same as per tender document.
4	<b>Mobilisation Advance</b>	Pre- Bid Meeting	No Mobilisation advance.
5	<b><u>Chailr Make/ Carpet at flooring</u></b>	Pre- Bid Meeting	Contractor has to refer the detail specifications of BOQ prepared by Architect also the suggested make in pre-bid are FERCO, WIPRO, HEYWORTH. For flooring make - DUPOND SORONA.

6	<b>BOQ</b>	Ammendement to False Ceiling item in BOQ	As per the decision taken by the committee ammendement has been made in the BOQ Item No. 5 and 33 .Accordingly BOQ has been revised ,which will be uploaded on IITM website .All vendors shall quote their rates as per the revised BOQ only.
7	<b>Submission Bid Contains</b>	Pre Bid Meeting	<b>Technical Bid Enevelop</b> -1)Techncal Bid Volume with Forwarding Letter 2) BOQ to comply not to fill tha rate 3)Company Profiles & related documents as mentioned & specified in Tender 4)Tender Drawings - Total 21 Nos. 5)Pre Bid M.O.M 6)Bar Chart of 45 Days for the work 7)Tender Fee 8) EMD <b>Commercial Bid Enevelop</b> - Only price bid duly filled signed & stamped.

NOTE: All vendors are requested to submit the MOM of Pre-Bid meeting along with the Tender Document

BOQ FOR INTERIOR WORKS OF MULTI TRAINING FACILITY BUILDING AT INDIAN INSTITUTE OF TROPICAL METROLOGY, PUNE					
SNO	DESCRIPTION	QTY	UNIT	RATE(Rs.)	AMOUNT(Rs.)
	( False ceiling)				
1	Providing & fixing mineral fiber ceiling prima fine fissured or approved type with Tegular edge of Armstrong make with normal powder coated grid , as per manufacturers specification, including cut-outs for light fixtures / AC grills, diffusers & necessary framework / support required from the ceiling,necessary scaffolding, cleaning etc complete. Item to include approval of mock-up by Architect/Engineer incharge.'	62	Sqm		
2	Providing & fixing seamless ceiling with <b>gypboard</b> of 12.5mm thk.fixed to the underside of the suspended grid formed of GI perimeter channel of size 20x27x30mm (MF 6A) fixed along the wall by wooden screws and metal expansion rawl plugs. The GI intermediate channel of size 45x15x0.90 mm (MF7) shall be fixed to the suspended strap hanger /GI ceiling angle at intervals not more than 1220mm. The suspended GI ceiling angle / strap hanger is to be connected with GI soffit cleat of size 37x27x25x1.6mm and it should be fixed on the roof slab/beam by using metal expansion fasteners (Wt.Type) of 12.5mm dia to a length of 35mm with 6mm dia.bolt / screw at top ends .The GI ceiling section of size 80x26x0.5mm (MF5) is to be provided across the intermediate channel at intervals not more than 600mm centers at bottom and the same shall be fixed by GI connection clips 2.64mm dia at the intersection points.	150	Sqm		
	The ends of ceiling section (MF5) channel by adopting an overlap length of minimum 150mm connected with intermediate channel shall be fixed to perimeter channel in insertion, as per manufacturers specification, including cut-outs ( for light fixtures,AC grills, Trap door, diffusers) & necessary framework ,support required from the ceiling, Painting(Two coats of Premium Acrylic Emulsion over one coat of primer),Trap door ,necessary scaffolding, cleaning etc complete. Item to include approval of mock-up by Architect/Engineer incharge.'				
3	<b>Acoustic Falseceilling(Option 1)</b>				
	Ecophon SOMBRA A or equi. with 20 mm natural square edge ,easily demountable tile , manufactured from High density glass wool ,with the visible surface is a matt black batch painted glass tissue and the back of the tile should be covered with glass tissue . The glass wool core of the tiles should be tested and classified as non combustible according to prEN ISO 1182 . The system should have Sound Absorption NRC value of 0.9(according to EN ISO 11654) . Tiles should withstand a permanent ambient RH upto 95% at 30 * C without sagging , warping or delaminating (ISO 4611) . The light reflectance of the tiles should not be more than 3- 4 %	425	Sqm		

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SNO	DESCRIPTION	QTY	UNIT	RATE(Rs.)	AMOUNT(Rs.)
	Ecophon ADVANTAGE E or equi.with 15 mm tegular edge ,easily demountable tile , manufactured from High density glass wool ,with the visible surface be batch painted glass tissue in white and the back of the tile should be covered with glass tissue . The glass wool core of the tiles should be tested and classified as non combustible according to prEN ISO 1182 . The system should have Sound Absorption NRC value of 0.9 (according to EN ISO 11654). Tiles should withstand a permanent ambient RH upto 95% at 30 * C without sagging , warping or delaminating(ISO 4611) . The light reflectance of the tiles should not be less than 83%, including cut-outs ( for light fixtures,AC grills, Trap door,diffusers) & necessary framework ,support required from the ceiling,Painting(three coats),Trap door ,necessary scaffolding, cleaning etc complete. Item to include approval of mock-up by Architect/Engineer incharge.'				
	OR				
	<b>Acoustic Falseceiling (Option 2)</b>				
4	Providing and fixing suspended gypsum board 12.5mm thick M/s Saint Gobain 'Gyptone Quattro' or equivalent (Confirming to IS 2095) False ceiling (straight,vertical,curved) with board density of 8 KG/m2 and NRC upto 0.75 having Class O(Euro Class B) fire rating and light reflectance of 75%, suspended with grid consisting of perimeter channel, main runners at 1200mm c/c, intermediate channels at 600mm c/c, knurled wedged ceiling sections, connecting clips, hangers etc all section to be galvanised & not less than 0.55mm thick and to be fixed with 25mm long self-tapping dry screws at avg.	425	Sqm		
	230mm c/c finishing the whole, smooth with one coat of primer, two coats of putty, three coats of acrylic emulsion paint, Boards to have back lining of "non-woven micron wadding" AW 10 x 50 mm with density of 20 Kg/m3 meeting Fire class BS 476, work to include making and finishing of recesses for lighting fixture, including cut-outs ( for light fixtures,AC grills, Trap door,diffusers) & necessary framework ,support required from the ceiling,Painting(Two coats of Premium Acrylic Emulsion over one coat of primer),Trap door ,necessary scaffolding, cleaning etc complete. Item to include approval of mock-up by Architect/Engineer incharge.'				
	OR				



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SNO	DESCRIPTION	QTY	UNIT	RATE(Rs.)	AMOUNT(Rs.)
5	<b>Interwoven Polyester &amp; Fibreglass matt Fabric Clipped Panel False Ceiling System(Option 3)</b>	425	Sqm		
	Providing & Fixing of Techstyle Clipped Panel False Ceiling System on 24mm 'T' Framework of module 1200mm x 1200mm. Panels manufactured of size 1200Mmm x 1200mm x avg. 28.5mm thick. The bottom installed aesthetic surface of Panel to have Non-woven Polyester fabric with inter layers of modified Fibre Glass Matt of Off-white colour or as approved by Architect. The back surface shall have inorganic coating on Fibre Glass Matt as approved. The panels shall have clips on two sides. The self aligning panels conceal grids with a reveal of 6mm. Grid system for fixing ceiling panels shall comprise of Tees. The 24mm main tee runners shall be suspended at an interval of 1200mm centre to centre and further supported with 24mm cross tee at 600mm centre to centre with interlocking arrangements to form grid of 600mm x 600mm. The main tee shall be supported by means of 4mm G.I. rod anchor fastened to true RCC slab/ceiling. cleaned complete."				
	This suspension shall be provided at 1200 to 1500mm centre to centre. Item to include a mock-up installation of 4 modules fixed together for one continuous appearance and getting approval from Architect for same, all tools and tackle, men material lift upto 20 mts., all accessories including approved colour anodised Al. edge peripheral trims, cutting for cables/conduits/light fixtures installation of luminaires/fixtures on support grid above false ceiling and protecting installation by approved polythelene sheet wrap till handover, item finished , including cut-outs ( for light fixtures,AC grills, Trap door,diffusers) & necessary framework ,support required from the ceiling,Painting(three coats),Trap door etc.Complete.				
6	Providing and fixing <b>aluminium plain ceiling</b> panel tile of approved make at a desired height above floor level comprising of 600 x 600 mm plain metal tiles manufactured out of 0.7 mm thick polyester protective coated in approved colour with beveled edges or 90 degree turned edges. Polyester coating to be 20 microns on exposed side and 5 microns primer on back side. Suspension profiles suspended from roof grid structure by GI suspension angle @ 1200 mm C/C , ceiling brackets expansion fasteners etc., of suitable size as per requirements and hold on clamp wall angle of size not less than 19 x 19 x 0.50 mm thickness perimeter angle to be polyster coil coated to required colour. The ceiling tile module will be 600 x 600 mm.as per manufacturer's instructions, by approved installer, all scaffolding, all support accessories as approved of GI & Al. sections, making cut-outs to design for lighting fixtures and other installations, cleaning etc complete. Item to include approval of mock-up by Architect/Engineer incharge.'	100	Sqm		

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SNO	DESCRIPTION	QTY	UNIT	RATE(Rs.)	AMOUNT(Rs.)
	( Flooring )				
7	Clear melamine Polished good grade solid TW Parquet flooring 15mm Thk., avg. Size 75X150mm planks, TW as approved without knots, cusps, shakes etc. laid on foam/PVC matt as approved. Item to be inclusive of	40	Sqm		
8	Providing and executing coloured Marble Terrazo flooring, in approved mix of good grade white cement, fine sand corresponding to approved sieve size and avg. 12 mm size broken coloured marble chips, wet poured, laid and cured in ready flooring troughs with expansion/filler/separator joint avg. 8 mm wide of SS 306 grade 8 flats, all as per approved specimen min. 4sq.mt. spread as approved by the Architect/engineer-in-charge. Item to be inclusive of laying, with necessary avg. 15 mm expansion gap on 2 adjoining wall sides, neat butt	10	Sqm		
9	Providing and laying avg. 300 x 300 x 2 mm thick unless otherwise specified the flooring an approved colour (to be specified by the Engineer/Department's representative). Vinyl floor tiles or sheets shall be laid with an adhesive recommended by the manufacturer. All the preparation and work in connection with the laying and fixing of the specified flooring and vinyl skirtings shall be done and to the satisfaction of the Engineer/Department's representative The flooring shall, where necessary, be cut and neatly fitted against adjoining floors, thresholds, etc. including preparation and cleaning of base surface, removal of laitance, rubbing, cleaning etc. all complete as per Particular	75	Sqm		
10	Supplying and laying precast concrete hydraulically pressed uniregular machine made interlocking paving tiles of approved design - avg. 8 mm thick (To give a compressive strength of not less than 50 N/Sqm or 500 Kg/Sqm) transportation of the tiles to the site preparation of surface including supplying and filling with dry river sand to 50 mm thick, levelling and compacting with plate vibrator and laying of the paving tiles with sand binding and final compaction with plate vibrator of 3 tonne capacity finishing the surface including cutting of tiles at the peripheral edges including all labour and materials etc. complete, as directed. Tiles of colour and pattern as approved.	15.00	Sqm		
11	Providing and laying "Extrawave" rolled carpet "JR1000-04 Jute medium boucle natural " 5 mm thick of approved finish in specified area over a plain cement tile surface, such as to make the complete floor, in one uniform layer including laying and fixing edge and transition accessories, preparing the hard underfloor with cement tiles laid in c.m 1:6, neat cement jointed, all curing, laying the tiled carpet treating the carpet surface with appropriate "Scotch guard" protection, keeping the surface protected until handover, preparing the mock-up for approval, cleaning etc complete.	210	Sqm		

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SNO	DESCRIPTION	QTY	UNIT	RATE(Rs.)	AMOUNT(Rs.)
12	Providing and laying washable woven synthetic fibre carpet, avg. 4-5 mm thick of approved pattern & shade, of carpet roll width range 4-5 mt. & length range 15-25 mt. in specified area over smooth cement surface, such as to make the complete floor, in one uniform layer including laying and fixing edge and transition accessories including edge and threshold trims as approved, preparing the hard underfloor with smooth cement screed laid in C.M. 1:6, neat cement jointed, all curing, laying the carpet, keeping the surface protected until handover, preparing the mock-up for approval and ensuring same approved from Architect/Engineer-in-charge, item installed cleaned complete. Carpet fibre to be synthetic of DUPONT SORONA type and grade, pile 1400/4 ply air twisted, weft Bonoweft 850 & 440 tex, pile weight avg. 1500 gm/sqm, weave type flat weave jacquard, backing of Acrylic based glue/ATH.	210	Sqm		
13	Providing and laying in panels not more than 20 sqm. in plan granolithic flooring with cement concrete 1:1.5:3 by using coarse graded aggregate of 6 to 12 mm size laid monolithic with floor concrete and finished smooth with power trowel including preparation of concrete surface and form work. The screed shall be laid for effective separation of panels not exceeding 20 sqm. in plan etc. complete as per Specifications and as directed. Unevenness in floor finish shall not exceed +2mm in one square metre area. Rate to include lead , lift at all levels, pumping, placing, necessary formwork, curing etc., complete	300	Sqm		
14	Providing and laying in panels not more than 20 sqm. in plan granolithic flooring with cement concrete 1:1.5:3 by using coarse graded aggregate of 6 to 12 mm size laid monolithic with floor concrete and finished smooth with power trowel including preparation of concrete surface and form work & setting prepolished avg. 5 mm thk. brass inlays as per design drawing. The screed shall be laid for effective separation of panels not exceeding 20 sqm. in plan etc. complete as per Specifications and as directed. Unevenness in floor finish shall not exceed +2mm in one square metre area. Rate to include lead , lift at all levels, pumping, placing, necessary formwork, curing etc., complete	10	Sqm		

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SNO	DESCRIPTION	QTY	UNIT	RATE(Rs.)	AMOUNT(Rs.)
15	Providing, fixing and polishing laminated & TW edge lipped MDF board panelling as shown in architectural drawing, (premium Grade) board max. 16 mm thick with 75 x 50 mm Aluminium Channel / GI cold rolled section frame -work behind as per manufacturers specifications, fixing glass wool slab of 75mm thick with 48 kg/m <sup>3</sup> density, polyethylene wrapped, all scaffolding , making the cutouts for HVAC grills/diffusers/service access doors, electrical appliances etc. wherever necessary, cleaning, protecting and preparing the mock up for approval, protecting the surface till the handover of the premises, melamine matt polishing to lipping with approved stain etc. complete. (1 mm thick laminate as per approval). Panel board to be with avg. 4 mm thk. Acoustic felt as approved applied on backside with recommended adhesive; item installed cleaned complete.	175	Sqm		
16	Providing, fixing and installing Fire rated Fabric as approved over a PVC composite backer Clipper grip support system screwed onto wall as per detail drawings. The fabric to be stretched with mechanical tools and tackle and clipped into backer appropriately to ensure that no creases, slackening occurs. Item to be inclusive of avg. 12 sq.mt. mock-up for Architect's approval, all tools and tackle, material and lift etc. finished complete. Avg. 15 mm thk. Acoustic synth held within GI chicken mesh size as approved applied on backside with recommended adhesive; item installed cleaned complete with avg. 12 mm air-gap maintained from the wall.	175	Sqm		
	<b>Furniture</b>				
	<b>Rectangular Table</b>				
17	Providing, carpentering and fixing on location fully finished table/desk-top made of select laminate over 19 thk avg. BWR grade plyboard, Vertical sides and supports of select laminate over avg. 25 thk. Ply-skinned blockboard, TW lipped at edges with all specified salwood hidden joining cleats & details as per Execution drawings, cleaned finished complete with all application of adhesives, tinted melamine polish in 2 coats as approved, complete.	1.20	Sqm		
	1. Hardware- all 'butler/brushed steel' finish SS min. avg. 306 grade of DORMA or HAFELE or equi. Make as per Execution dwg. & specifications.				
	2 Lipping- Good grade TW,tinted melamine Polished in two coats				
	<b>Circular Center Table</b>				
18	Providing and fixing in position circular table of 900 diameter with 12 mm thick toughened clear float glass top with edge bevel as per design drawing. The glass to be fixed to chrome finished supporting frame as per design with designed joinery. The vertical support should be of 50 mm and chrome plated pipe with 600 mm dia. chrome plated base plate for support. the cost include all necessary hardware, preparation of mock up, etc. complete.	1.00	No		

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	1. Hardware- all 'butler/brushed steel' finish SS min. avg. 306 grade of DORMA or HAFELE or equi. Make as per Execution dwg. & specifications.				
	2 Lipping- Good grade TW,tinted melaminie Polished in two coats				
	<b>Dressing Table with Mirror</b>				
19	Providing, carpentering and fixing on location fully finished table/desk-top made of select laminate over 19 thk avg. BWR grade plyboard, Vertical sides and supports of select laminate over avg. 25 thk. Ply-skinned blockboard, TW lipped at edges with all specified salwood hidden joining cleats & details as per Execution drawings, cleaned finished complete with all application of adhesives, tinted melamine polish in 2 coats as approved, complete.	6.00	Sqm		
	1. Hardware- all 'butler/brushed steel' finish SS min. avg. 306 grade of DORMA or HAFELE or equi. Make as per Execution dwg. & specifications.				
	2 Lipping- Good grade TW,tinted melaminie Polished in two coats				
	3 Mirror- Avg 8mm thk float glass mirror of SAINTGOBIN or ASahi or equivalent brand mounted on BWR grade 12mm thk ply board backer fixed carpentered desk as per detailed execution drawing & fixed with SS stud screws as approved				
	<b>Activity Table</b>				
20	Providing & fixing in position table of width 600 mm ,height 750 mm and length ,with construction members using block board, MDF and Plywood members joined with TW of size and quantity as per drawing,1.5mm thk select laminate pasted over & melamine polish only to all unexposed surfaces. The cost of the table includes all necessary hardware, preparation of mock ups etc. complete. The size/model/ design/make should be approved from consultant and client before supply.	10.50	Sqm		
	<b>Low Height Storage</b>				
21	Providing and constructing low height storage of width 450mm, with 25/38 mm block board member of approved make along with necessary MDF and plywood member joined with TW frame as per drawing. All external surfaces to be finished in approved laminate, with balancing laminate on the interior surface. All exposed edges to be finished in approved PVC edge binding. Rate to include hardware such as approved locks, auto closing hinges for shutters, approved handles, door stop, tower bolt, etc. complete. The size/model/ design/make should be approved from consultant and client before supply.	1.30	Sqm		

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	<b>Admin &amp; Security counter table</b>				
22	Providing & fixing in position table of width 600 mm ,height 750 mm and length ,with construction members using block board, MDF and Plywood members joined with TW of size and quantity as per drawing,1.5mm thk select laminate pasted over & melamine polish only to all unexposed surfaces. The cost of the table includes all necessary hardware, preparation of mock ups etc. complete. The size/model/ design/make should be approved from consultant and client before supply.	3.60	Sqm		
	<b>Display Board</b>				
23	Providing & fixing in position table of width 600 mm ,height 750 mm and length ,with construction members using block board, MDF and Plywood members joined with TW of size and quantity as per drawing,1.5mm thk select laminate pasted over & melamine polish only to all unexposed surfaces. The cost of the table includes all necessary hardware, preparation of mock ups etc. complete. The size/model/ design/make should be approved from consultant and client before supply.	2.40	Sqm		
	Glazed Shutters :- Avg 10mm thk clear float toughened & edge polished shutters on SS 'Butter' finished patch fittings & patch hinges as per detail drawings.				
	<b>Sofa - Curve shape</b>				
24	Providing & supplying as per drawing made up of TW Frame of size 38X75 mm for Seating & Back, seating should have the horizontal TW support of size 38X75mm at regular intervals, the frame should have 12mm thk MDF on all sides with necessary hardware fasteners. The sofa should have Foam of approved quality & make all around with fabric of approved texture & colour. Seat to be 12 thk. BWP Grade, anti-termite treated plyboard over TW Battens as per design, TW perforated 12mm panels should be provided for sides & back with melamine polish of approved quality & shade on it, as per design drawing. The base should have nylon struts, the cost includes all necessary fittings & fixtures, necessary hardware etc. complete.(Density of foam=65Kg/m3) Inside dimensions=620 X 4400mm.The size is as per drawing.The upholstery material to be got approved from the client and consultant before execution.	1	No		

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SNO	DESCRIPTION	QTY	UNIT	RATE(Rs.)	AMOUNT(Rs.)
	<b>Sofa - Single seater</b>				
25	Providing & supplying Sofa Chairs as per drawing made up of TW Frame of size 38X75 mm for Seating & Back, seating should have the horizontal TW support of size 38 X 75mm at regular intervals, the frame should have 12mm thk MDF on all sides with necessary hardware fasteners. The Chair should have Foam of approved quality & make all around with fabric of approved texture & colour. Seat to be 12 thk. BWP Grade, anti-termite treated plyboard over TW Battens as per design, TW perforated 12mm panels should be provided for sides & back with melamine polish of approved quality & shade on it. the base should have nylon struts, the cost includes all necessary fittings & fixtures, with necessary hardware etc. complete.(Density of foam=65Kg/m3) Inside dimensions=520X620mm.The size is as per drawing.The upholstery material to be got approved from the client and consultant before execution.	3	Nos		
	<b>Sofa - Three seater</b>				
26	Providing & supplying Three Seater Sofa as per drawing made up of TW Frame of size 38X75 mm for Seating & Back, seating should have the horizontal TW support of size 38X75mm at regular intervals, the frame should have 12mm thk MDF on all sides with necessary hardware fasteners. The sofa should have Foam of approved quality & make all around with fabric of approved texture & colour. Seat to be 12 thk. BWP Grade, anti-termite treated plyboard over TW Battens as per design, TW perforated 12mm panels should be provided for sides & back with melamine polish of approved quality & shade on it, as per design drawing. The base should have nylon struts, the cost includes all necessary fittings & fixtures, necessary hardware etc. complete.(Density of foam=65Kg/m3) Inside dimensions=620 X 1800mm.The size is as per drawing.The upholstery material to be got approved from the client and consultant before execution.	3	Nos		
	<b>Chair for Auditorium</b>				
27	1 Seats Description: i. Push back reclined/fix chair ii. Auto Tip-up cushion iii. Sliding mechanism. With metal ball and roller cage. iv. Arm-rest to Arm-rest (center dist.): 50 to 60 mm v. PPCP-injection moulded/Thermofoamplastic. Housing for Cushion & Backrest. vi. All sheet metal parts with powder coated vii. Arm-rest with cup-holder of PPCP injection molded.with skin integral pad/or skin integral Armrest. viii. Seat numbering on back and tip-up portion. ix. Row numbering for seats along the aisles. x. Provision for lights on sides for seats along the aisles	400	Nos		
	2 Fabric : as per Approved				
	3 Frame : Back and cushion frame of ERW Tube / IS :307 1976 GRADE ,				

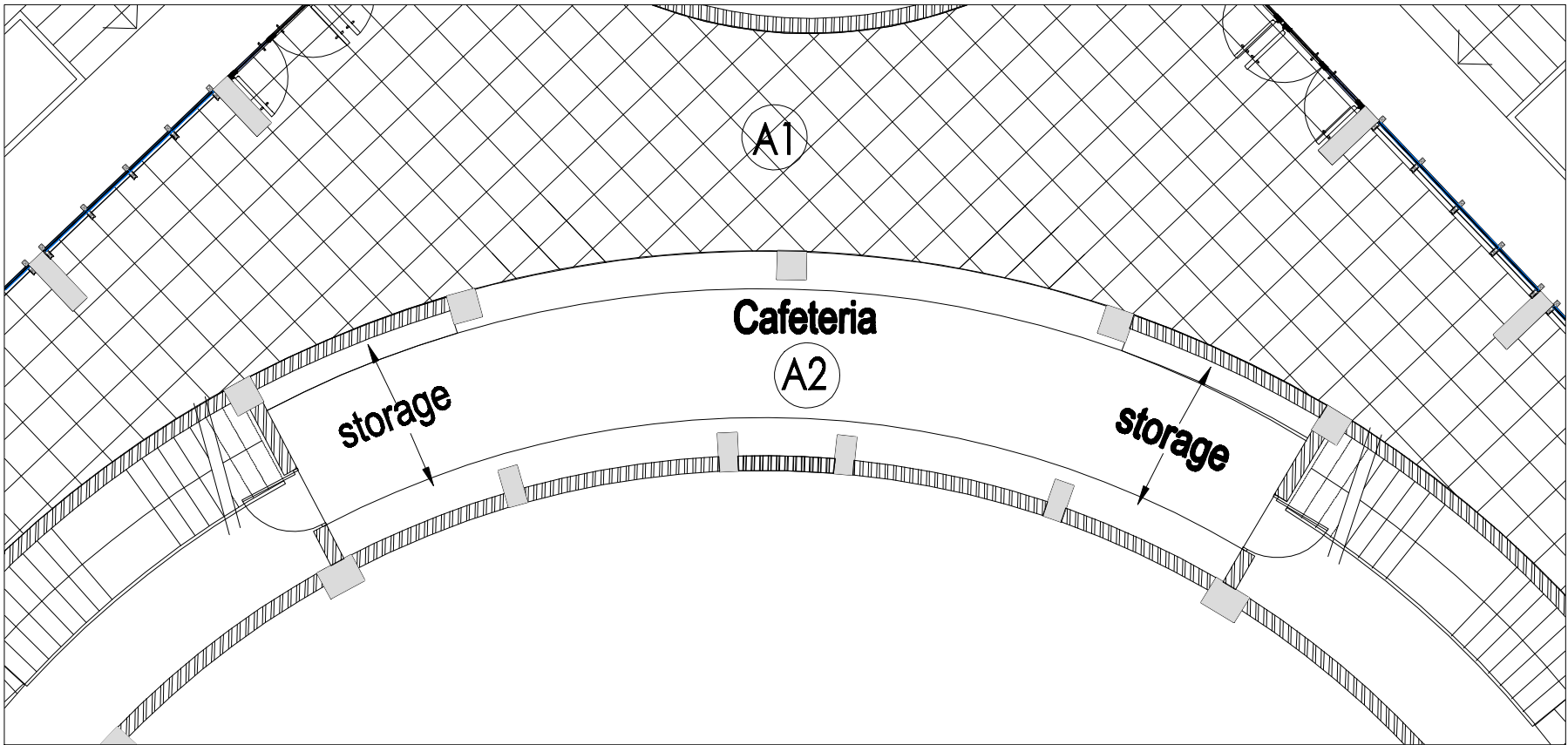
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SNO	DESCRIPTION	QTY	UNIT	RATE(Rs.)	AMOUNT(Rs.)
	4 Polyurethane Foams : i. Density: 50 + 5 Kg/M3 / JIS K 6401 , ii. Constant Compression Set: (Max. 13%) JIS K 6401.				
	5 Spring : i. For Auto Tip-up – Torsion Spring / Spring Steel IS : 4454 1981 GRADE 3 (part i) ii. For Push Back mechanism – Coil Spring / Spring Steel IS : 4454 1981 GRADE 2				
	6 WING COMPONENTS : HRCA / CRCA Sheet Metal / IS :1079 1994 Type O a) Wing frame ' C 'Channel or Rectangular Frame. b) Side wing frame with plywood. with upholstery. b)Slider – Proprietary item.55m travels.with metal ball and roller cage.				
	7 Back & Cushion Housing : PPCP IS: 10915 1994./ Injection Molded/Thermoform Plastic				
	<b>Chair for Lecture Hall</b>				
28	Providing and fixing in position Lecture Hall chairs with SS 316 grade and gloss finish for integrated handel and frame with SS studs. The frame should be made up of 25mm Φ pipe. The seat and back should be made up of injection moulding PU foam with 12mm thk double ply backing fully upholstered with fabric or leather of approved quality and texture and color. The arms for the chair should be having leather/fabric pads of approved quality, texture and color. The back rest shell should be of propylene. The seat should be fixed to the frame with screws. The cost of the chair includes all necessary hardware, preparation of mock up, etc. complete. (The density of the foam should be 45 Kg/m3).The size/model/ design/make should be approved from consultant and client before supply.	80	Nos		
29	<b>Chair for Admin &amp; Security</b>				
	Providing and supplying in position mid-back revolving chairs of following specification	4	Nos		
	a)Frames :- The back Frames are made of 12mm Single piece neck to knee hot pressed plywood without any joints that may give way at the vertex of the seat and back the arms are also hot pressed. The arms are again single piece of 12mm hotpressed plywood without any joints.				
	b)Cushion :- The seat and back cushion comprises of a 2" Dunlop sandwiched on either side by 1" PU Foam of 32 density and 35 mm thickness which is further finished with leather upholstery. The foam being porous in nature also allows the passage of air. PU foam of 15 mm and 18 density is used below and behind the chair. The arms are further enhanced with brass pins which give an exclusive and ethnic look to the chair. A choice of leather upholstery is available to suit the interior.				
	c)STAND: The stand is five pronged dome shaped with a 26" dia which provides stability and prevents the chair from toppling over at any tilt angle.				



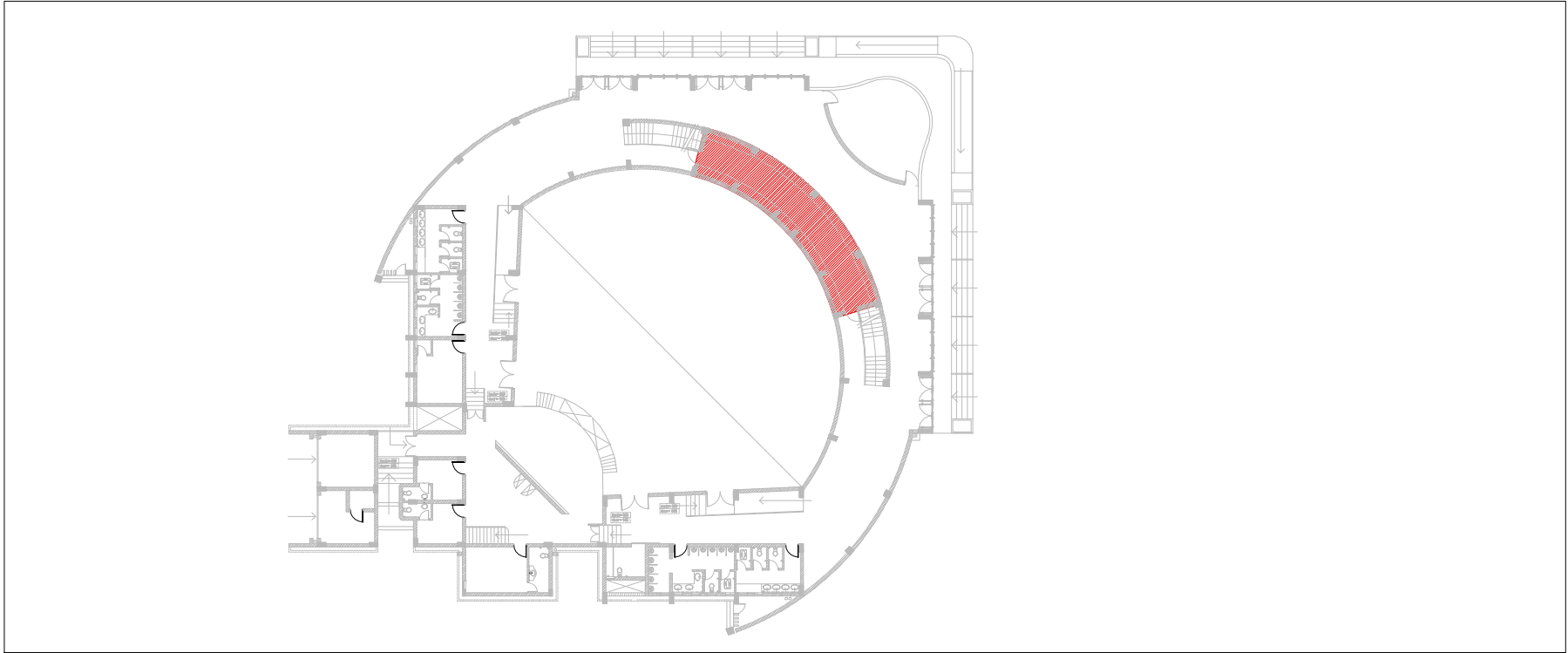
BOQ FOR INTERIOR WORKS OF MULTI TRAINING FACILITY BUILDING AT INDIAN INSTITUTE OF TROPICAL METROLOGY, PUNE					
SNO	DESCRIPTION	QTY	UNIT	RATE(Rs.)	AMOUNT(Rs.)
	d)Gaslift :- A gas-lift is provided for easier height adjustment. These Gaslift have been impact load tested for more than one lakh cycle as per BIFMA and DIN standards.				
	e)Tilt Mechanism :- The centre pivot full tilt mechanism is mounted on a 10BG m.s. plate which is machine cut, embossed and punched. A M.T. 3 tapered bush is CO2 welded on to the mechanism in which the tapered height adjustment shaft fits. To prevent squeaking while tilting special virgin nylon 6 washers are used on the pivot to prevent metal to metal contact between				
	moving parts of the tilt mechanism. These oil and grease free washers are tested upto 120000 movements as per BIFMA Standards.				
	The tilting tension is controlled by a vertically mounted user friendly spring which is easy to adjust by rotating in clockwise or anticlockwise direction. The spring is made of IS4454GR2 material and has a 7mm wire diameter and is possible to tilt the chair between 3 degree to 21 degrees.				
	f)Castors :- The twin wheels of these castors are made up of nylon - 6, which being softer gives smoother movements while the casing is made of glass reinforced nylon. These castors have been tested for a load bearing of 110 kgs per castor.				
	The shape of chair, quality of material and finish should conform to the model photo /details enclosed.				
<b>30</b>	<b>Chair for Change room</b>				
	Providing and supplying in position mid-back revolving chairs of following specification	4	Nos		
	a)Frames :- The back Frames are made of 12mm Single piece neck to knee hot pressed plywood without any joints that may give way at the vertex of the seat and back the arms are also hot pressed. The arms are again single piece of 12mm hotpressed plywood without any joints.				
	b)Cushion :- The seat and back cushion comprises of a 2" Dunlop sandwiched on either side by 1" PU Foam of 32 density and 35 mm thickness which is further finished with leather upholstery. The foam being porous in nature also allows the passage of air. PU foam of 15 mm and 18 density is used below and behind the chair. The arms are further enhanced with brass pins which give an exclusive and ethnic look to the chair. A choice of leather upholstery is available to suit the interior.				
	c)STAND: The stand is five pronged dome shaped with a 26" dia which provides stability and prevents the chair from toppling over at any tilt angle.				
	d)Gaslift :- A gas-lift is provided for easier height adjustment. These Gaslift have been impact load tested for more than one lakh cycle as per BIFMA and DIN standards.				
	e)Tilt Mechanism :- The centre pivot full tilt mechanism is mounted on a 10BG m.s. plate which is machine cut, embossed and punched. A M.T. 3 tapered bush is CO2 welded on to the mechanism in which the tapered height adjustment shaft fits. To prevent squeaking while tilting special virgin nylon 6 washers are used on the pivot to prevent metal to metal contact between				

BOQ FOR INTERIOR WORKS OF MULTI TRAINING FACILITY BUILDING AT INDIAN INSTITUTE OF TROPICAL METROLOGY, PUNE					
SNO	DESCRIPTION	QTY	UNIT	RATE(Rs.)	AMOUNT(Rs.)
	moving parts of the tilt mechanism. These oil and grease free washers are tested upto 120000 movements as per BIFMA Standards.				
	The tilting tension is controlled by a vertically mounted user friendly spring which is easy to adjust by rotating in clockwise or anticlockwise direction. The spring is made of IS4454GR2 material and has a 7mm wire diameter and is possible to tilt the chair between 3 degree to 21 degrees.				
	f)Castors :- The twin wheels of these castors are made up of nylon - 6, which being softer gives smoother movements while the casing is made of glass reinforced nylon. These castors have been tested for a load bearing of 110 kgs per castor.				
	The shape of chair, quality of material and finish should conform to the model photo /details enclosed.				
<b>31</b>	<b>Cafeteria</b>				
	Providing and constructing low height storage of width 450mm and upto 1200mm height, with 25/38 mm block board member of approved make along with necessary MDF and plywood member joined with TW frame as per drawing. All external surfaces to be finished in approved laminate, with balancing laminate on the interior surface. All exposed edges to be finished in approved PVC edge binding. Rate to include hardware such as approved locks, auto closing hinges for shutters, approved handles, door stop, tower bolt, etc. complete.The size/model/ design/make should be approved from consultant and client before supply.	13.00	Sqm		
<b>32</b>	<b>Cafeteria counter</b>				
	Cafeteria counter Top in select polished granite Kashmir pink over avg 32 thk cuddapah backer natural stone, system mounted on ply board & block board frame as per design drawing and fixed with GI cleats	6.00	Sqm		
<b>33</b>	'Providing & fixing seamless ceiling with gypboard of avg 12.5mm thk.fixed to the underside of the suspended grid formed of GI perimeter channel of avg. size 20x27x30mm fixed along the wall by TW Rawl plugs and Metal (Galvanised steel expansion) anchor bolts. The GI intermediate channel of avg. size 45x15x0.90 mm shall be fixed to the suspended strap hanger /GI ceiling angle at intervals not more than 1220mm. The suspended GI ceiling angle / strap hanger is to be connected with GI soffit cleat of size Avg. 37x27x25x1.6mm and it should be fixed on the roof slab/beam by using metal expansion fastners (Wt.Type) of 12.5mm dia to a length of 35mm with 6mm dia.bolt / screw at top ends .The GI ceiling section of avg. size 80x26x0.5mm is to be provided across the intermediate channel at intervals not more than 600mm centres at bottom and the same shall be fixed by GI connection clips 2.64mm dia at the intercection points.The ends of ceiling section channel by adopting an overlap length of minimum 150mm connected with intermetiate channel shall be fixed to perimeter channel in insertion.	35	Nos		

BOQ FOR INTERIOR WORKS OF MULTI TRAINING FACILITY BUILDING AT INDIAN INSTITUTE OF TROPICAL METROLOGY, PUNE					
SNO	DESCRIPTION	QTY	UNIT	RATE(Rs.)	AMOUNT(Rs.)
	Work to include making and finishing of recesses for lighting fixture, one coat of primer, two coats of Gypsum putty, three coats of acrylic emulsion paint, trap door of size avg. 600 mm x 600 mm Ready-made hard Gypsum board in Powder coated MS frame Type for service access, Al. powder coated HVAC grills as per approval by Architect Consultant, necessary coves, recesses as per design drawing, including cutting for access doors, sealing the joints with Air Drying Joining Compound or equivalent sealing materials, with flush bonded/ screwed securing of the hatch using a clip-lock mechanism that is integrated in the frame and concealed. Item to include all accessories, fitments, men & material & lift upto 18 mt., correct installation procedure, trap door cutting and necessary cutting in False ceiling strictly with unit templete and finishing, necessary scaffolding, cleaning etc complete. Item to include approval of mock-up by Architect/Engineer incharge.'				
	<b>Total</b>				



PART PLAN SHOWING CAFETERIA REFLECTED CEILING LAYOUT



KEY PLAN OF CAFETERIA AT 100.775 LVL

LEGEND

A1	AVG SIZE 600X600 GRID WHITE PATTERNED FIBRE BOARD MODULAR FALSE CEILING AS APPROVED
A2	UNILEVEL MONOLITHIC (PLAIN) GYPSUM FALSE CEILING AS APPROVED
A3	AVG. 12.5 MM THK SQUARE PERFORATED GYPSUM BOARD CEILING WITH PAINTABLE WALL PAPER AS APPROVED .
A4	AVG. 2mm thk POWDER COATED AL.PEFORRATED 600X600 TILED FALSE CEILING AS APPROVED

REV.	MODIFICATION	DATE



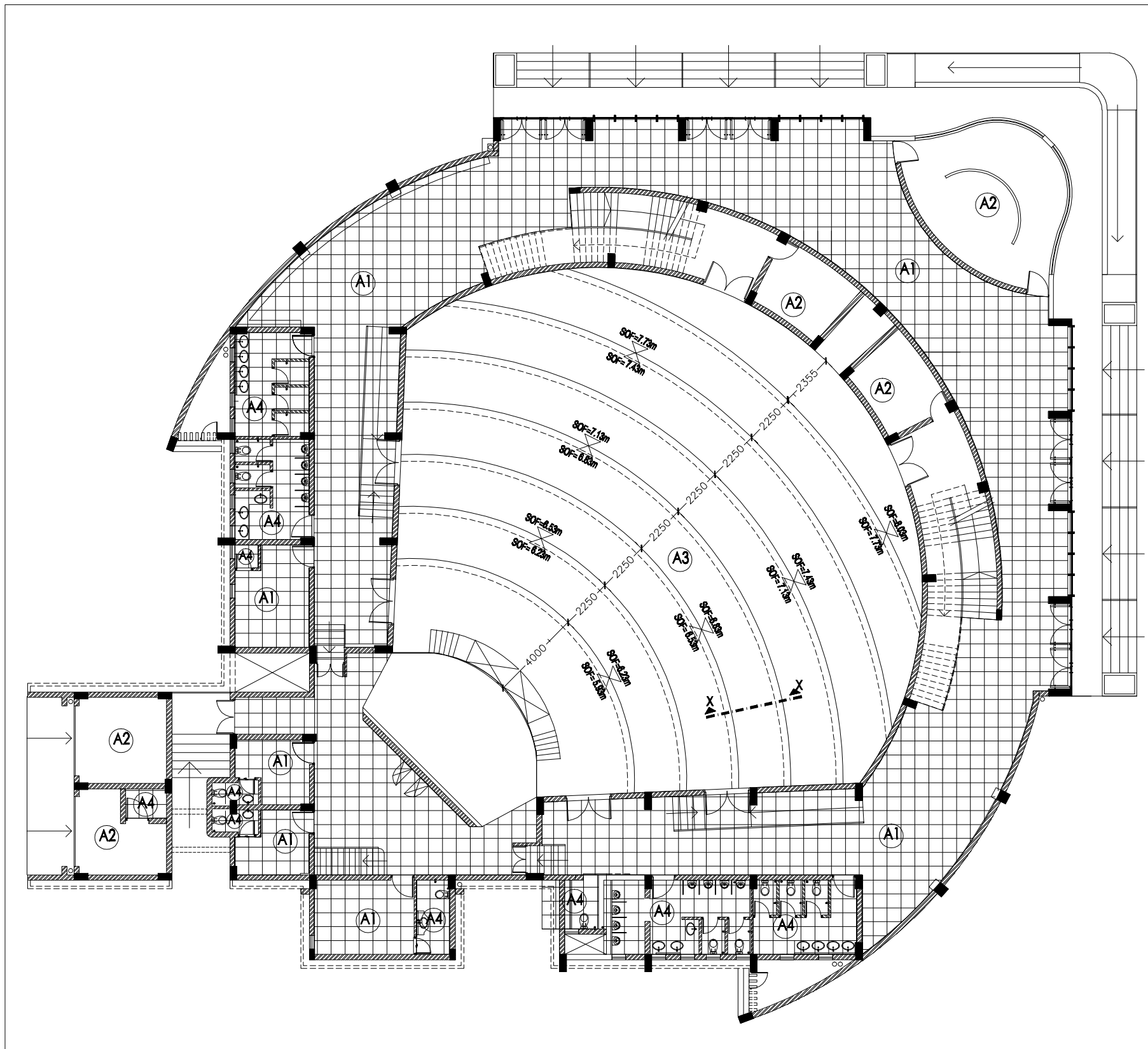
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DESIGN PHASE  
**STAGE T- TENDER DRAWING**

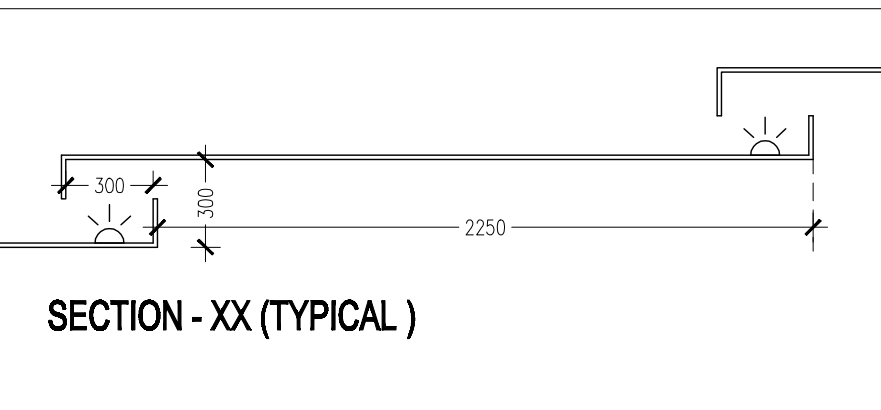
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BASEMENT FALSE CEILING LAYOUT			
SCALE	FORMAT	DRAWN BY	CAD FILE
1:200	A3	-	AR-001-IITM-FC-00
DRAWING NUMBER			
AR-001-IITM-FC-01			
DATE OF FIRST ISSUE	REFERENCE DRAWING NUMBER GAP	DATE OF REVISION	REVISION
25.08.11	*****	-	-



GROUND FLOOR CEILING LAYOUT

# LEGEND

A1	AVG SIZE 600X600 GRID WHITE PATTERNED FIBRE BOARD MODULAR FALSE CEILING AS APPROVED
A2	UNILEVEL MONOLITHIC (PLAIN) GYPSUM FALSE CEILING AS APPROVED
A3	AVG. 12.5 MM THK SQUARE PERFORATED GYPSUM BOARD CEILING WITH PAINTABLE WALL PAPER AS APPROVED .
A4	AVG. 2mm thk POWDER COATED AL.PEFORATED 600X600 TILED FALSE CEILING AS APPROVED



NOTE :  
ASSUME FINISHED FLOOR LEVEL AS 0.00 LVL

REV.	MODIFICATION	DATE



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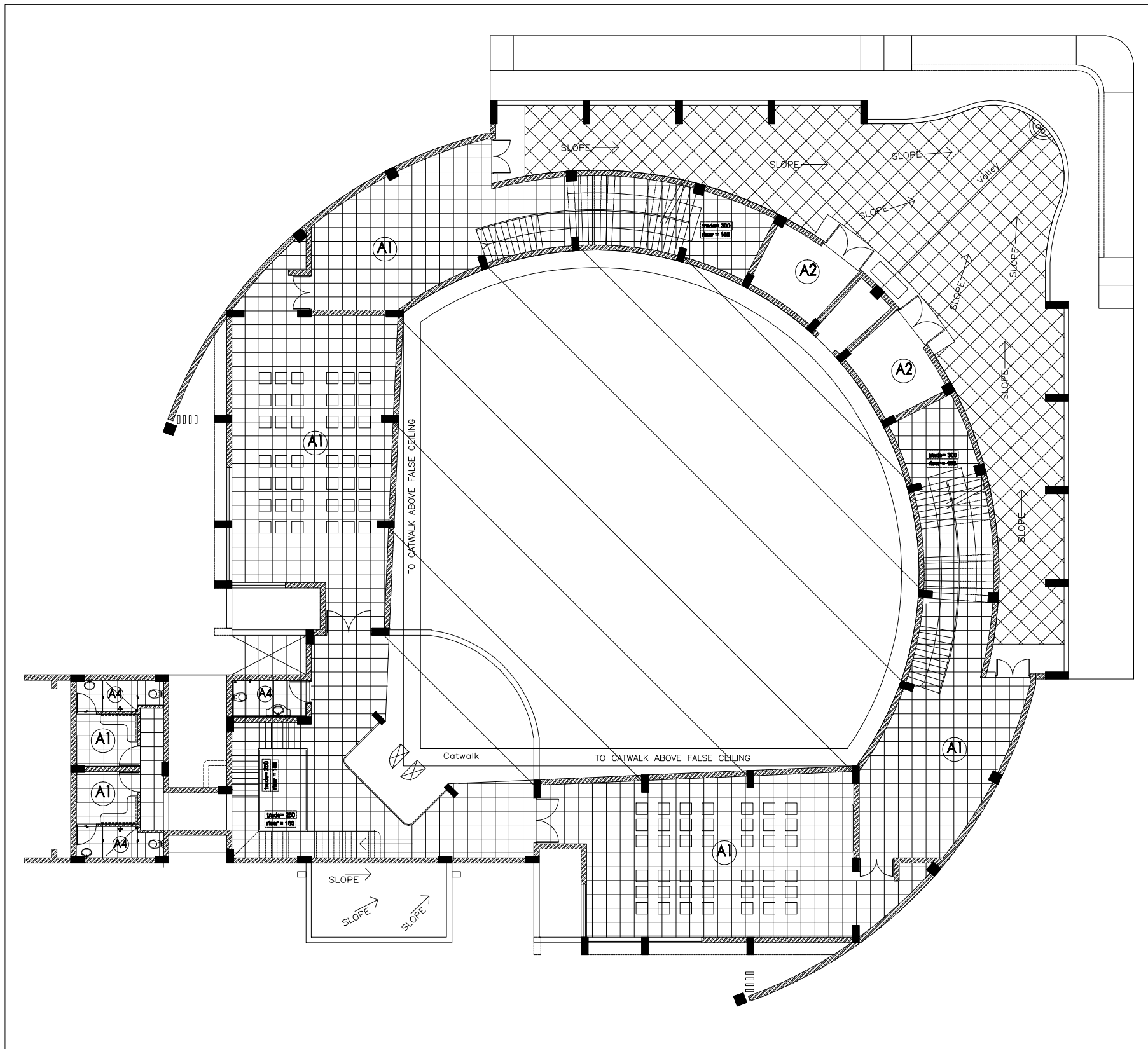
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DESIGN PHASE  
STAGE T- TENDER DRAWING

DRAWING TITLE			
GROUND FALSE CEILING LAYOUT			
SCALE 1:200	FORMAT A3	DRAWN BY -	CAD FILE AR-001-ITM-FC-00
DRAWING NUMBER AR-001-ITM-FC-02			
DATE OF FIRST ISSUE 25.08.11	REFERENCE DRAWING NUMBER GAP *****	DATE OF REVISION -	REVISION -



FIRST FLOOR CEILING LAYOUT

## LEGEND

A1	AVG SIZE 60X600 GRID WHITE PATTERNED FIBRE BOARD MODULAR FALSE CEILING AS APPROVED
A2	UNILEVEL MONOLITHIC (PLAIN) GYPSUM FALSE CEILING AS APPROVED
A3	AVG. 12.5 MM THK SQUARE PERFORATED GYPSUM BOARD CEILING WITH PAINTABLE WALL PAPER AS APPROVED .
A4	AVG. 2mm thk POWDER COATED AL.PEFORRATED 600X600 TILED FALSE CEILING AS APPROVED

REV.	MODIFICATION	DATE



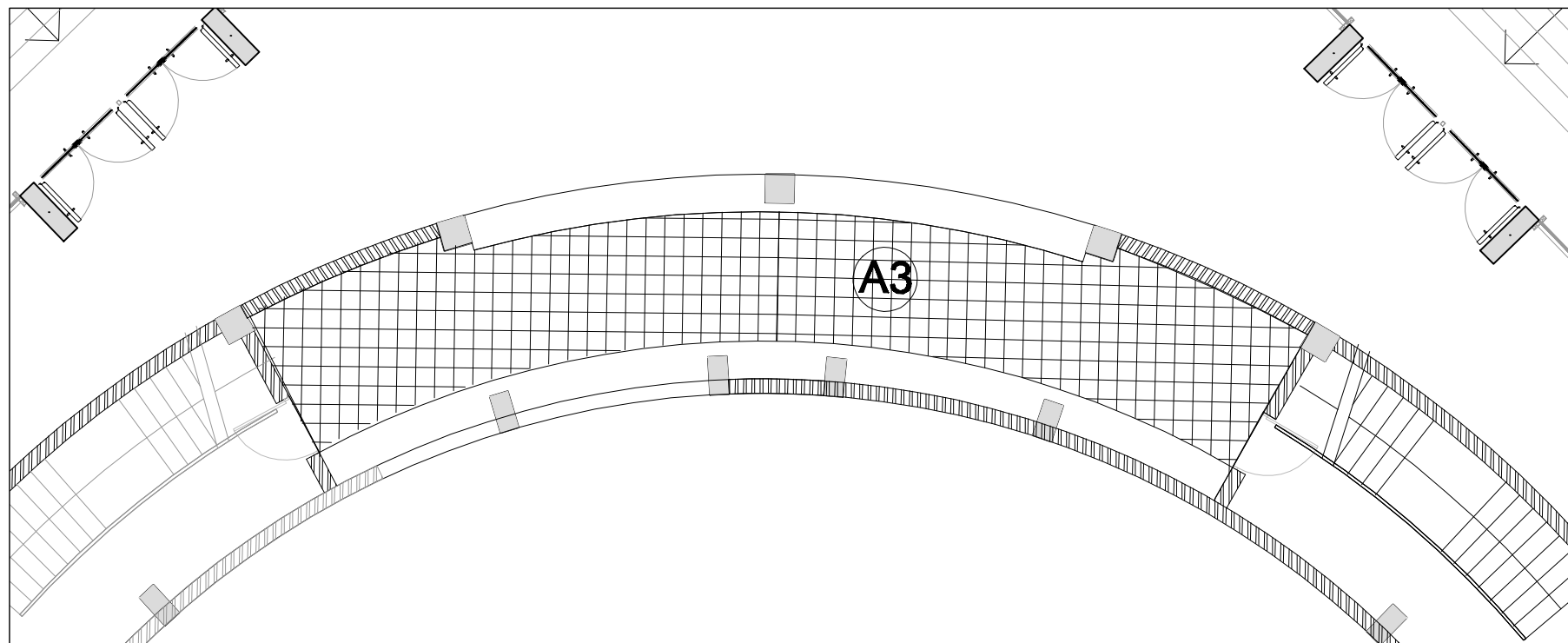
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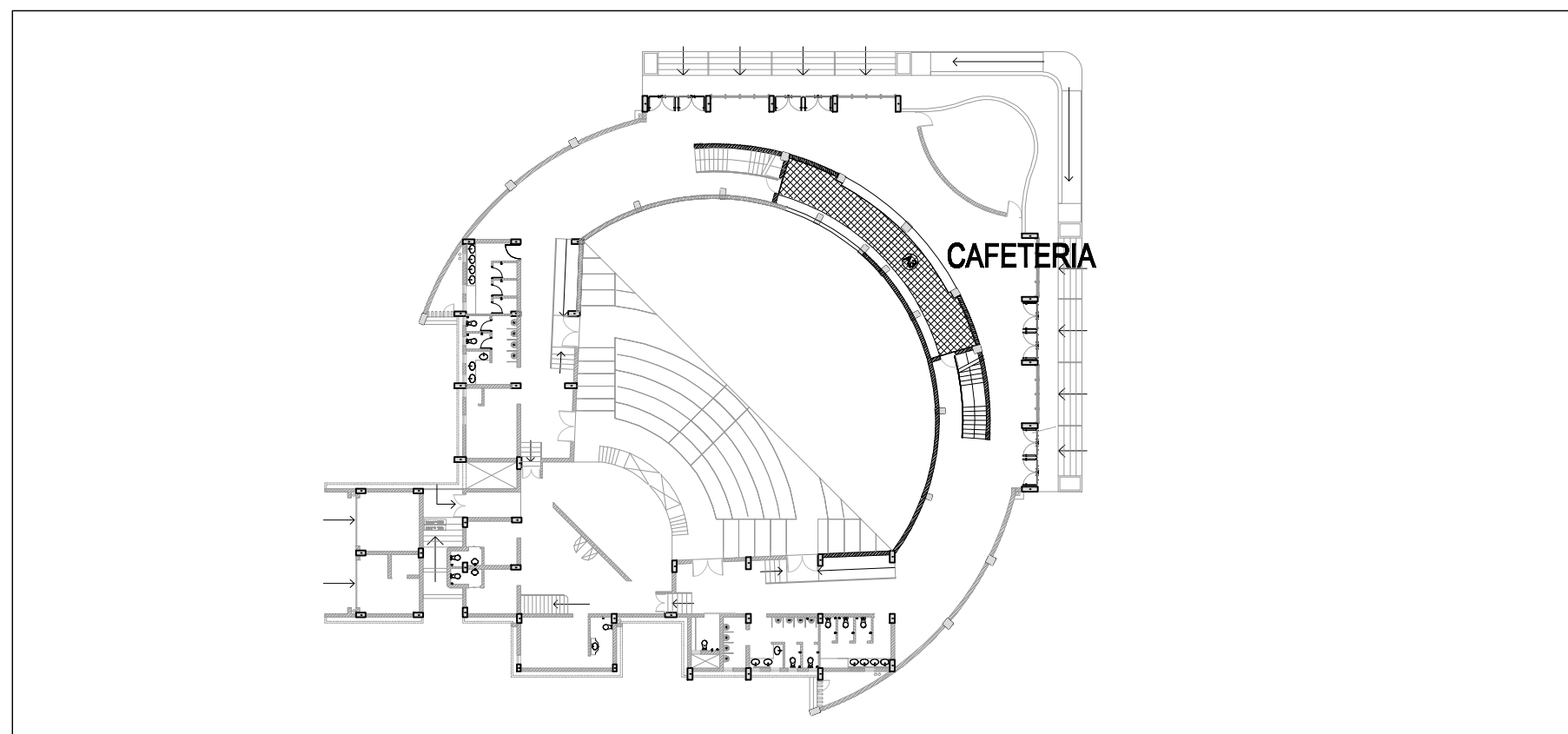
PROPOSED COMPLEX FOR CONFERENCE AND  
LECTURES HALLS - IITM PUNE

STAGE T- TENDER DRAWING

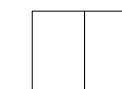
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DRAWING NUMBER				
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DATE OF FIRST ISSUE	REFERENCE DRAWING NUMBER (S)	DATE OF REVISION	REVISION	
25.08.11	*****	-	-	



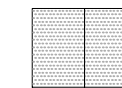
PART PLAN OF CAFETERIA AT 1M LVL FROM FFL



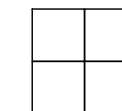
KEY PLAN OF CAFETERIA AT 100.775 LVL



A1- 900x600 PRE-POLISHED  
avg.20 thk GRANITE  
FLOORING-INDIAN JUPARANA



A1a- 900x600 BUSH  
HAMMERED avg.20 thk GRANITE  
FLOORING-INDIAN JUPARANA



A2- 600x600 avg. 6MM thk  
VITRIFIED TILE FLOORING AS  
APPROVED



A3- 300x300 AVG. 6MM THK ANTI-SKID  
CERAMIC TILE FLOORING AS APPROVED



A4- CLEAR MELAMINE POLISHED GOOD GRADE  
SOLID TW PARQUET FLOORING ,avg. 15mm  
thk,avg,SIZE 75mm x150mm



A5- WHITE MARBLE TERRAZO &  
COLOUR FLOORING  
CAST-IN-SITU,PATTERN,STAINED  
AS APPROVED



A6-Avg. 3MM thk APPROVED  
VINYL FLOORING,MERGED SEAM  
SHEET TYPE OF SELECT PATTERN  
OVER avg. 50 thk IPS BASE



A7-300x300 Avg. 9-12MM thk  
COLOURED PATTERNED, EXTERIOR  
GRADE CONCRETE PAVER TILE



A8-Avg. 4 MM thk. DUPONT SORONA  
FIBRE BASED ARTIFICIAL FABRIC CARPET  
AS PER SELECTION OVER UNDERLAY &  
STAINED TREMIX CONCRETE FLOORING



A9-STAINED TREMIX CONCRETE  
FLOORING



A9a-STAINED TREMIX CONCRETE  
FLOORING WITH BRASS INLAY

REV.	MODIFICATION	DATE



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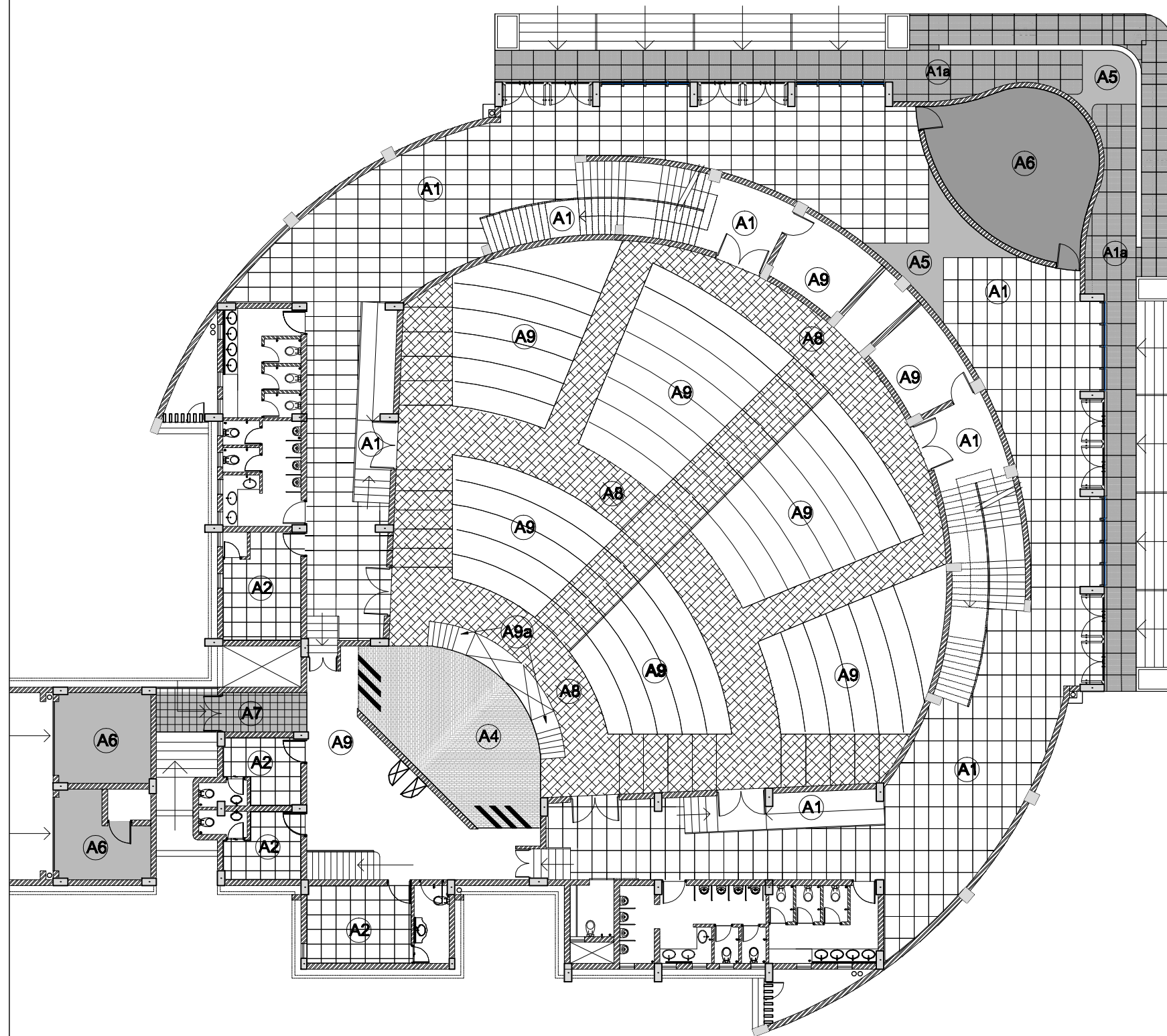


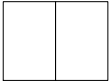
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LECTURES HALLS - IITM PUNE**

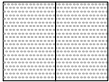
DESIGN PHASE  
stage T- Tender Drawing


DRAWING TITLE			
<b>BASEMENT FLOOR-FLOORING LAYOUT</b>			
SCALE <b>1:200</b>	FORMAT <b>A3</b>	DRAWN BY <b>Rathna</b>	CAD FILE <b>AR-001-IITM-FL-00</b>
DRAWING NUMBER <b>AR-001-IITM-FL-01</b>			
DATE OF FIRST ISSUE <b>25.08.11</b>	REFERENCE DRAWING NUMBER GAP *****	DATE OF REVISION -	REVISION -








- 


A1- 900x600 PRE-POLISHED  
avg.20 thk GRANITE  
FLOORING-INDIAN JUPARANA
- 


A1a- 900x600 BUSH  
HAMMERED avg.20 thk GRANITE  
FLOORING-INDIAN JUPARANA
- 

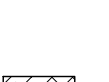
A2- 600x600 avg. 6MM thk  
VITRIFIED TILE FLOORING AS  
APPROVED
- 


A3- 300x300 AVG. 6MM THK ANTI-SKID  
CERAMIC TILE FLOORING AS APPROVED
- 


A4- CLEAR MELAMINE POLISHED GOOD GRADE  
SOLID TW PARQUET FLOORING ,avg. 15mm  
thk,avg,SIZE 75mm x150mm
- 

A5- WHITE MARBLE TERRAZO &  
COLOUR FLOORING  
CAST-IN-SITU,PATTERN,STAINED  
AS APPROVED
- 

A6-Avg. 3MM thk APPROVED  
VINYL FLOORING,MERGED SEAM  
SHEET TYPE OF SELECT PATTERN  
OVER avg. 50 thk IPS BASE
- 

A7-300x300 Avg. 9-12MM thk  
COLOURED PATTERNED, EXTERIOR  
GRADE CONCRETE PAVER TILE
- 

A8-Avg. 4 MM thk. DUPONT SORONA  
FIBRE BASED ARTIFICIAL FABRIC CARPET  
AS PER SELECTION OVER UNDERLAY &  
STAINED TREMIX CONCRETE FLOORING
- 

A9-STAINED TREMIX CONCRETE  
FLOORING
- 

A9a-STAINED TREMIX CONCRETE  
FLOORING WITH BRASS INLAY

**GROUND FLOOR FLOORING LAYOUT**

REV.	MODIFICATION	DATE



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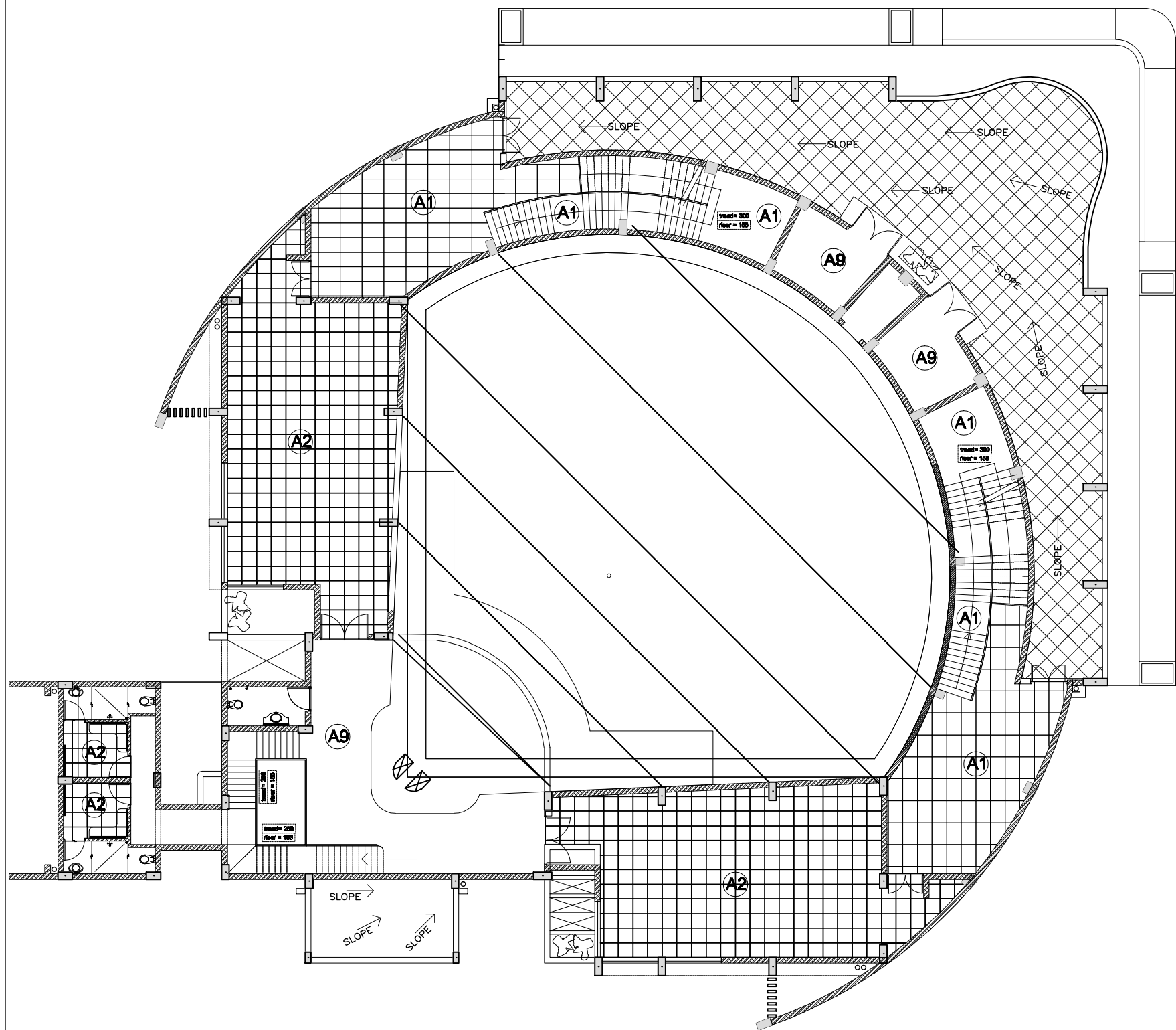


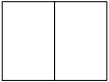
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LECTURES HALLS - IITM PUNE**

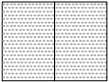
DESIGN PHASE  
stage T- Tender Drawing


DRAWING TITLE			
<b>GROUND FLOOR-FLOORING LAYOUT</b>			
SCALE <b>1:200</b>	FORMAT <b>A3</b>	DRAWN BY <b>Rathna</b>	CAD FILE <b>AR-001-IITM-FL-00</b>
DRAWING NUMBER <b>AR-001-IITM-FL-02</b>			
DATE OF FIRST ISSUE <b>25.08.11</b>	REFERENCE DRAWING NUMBER GAP *****	DATE OF REVISION -	REVISION -








- 


A1- 900x600 PRE-POLISHED  
avg.20 thk GRANITE  
FLOORING-INDIAN JUPARANA
- 


A1a- 900x600 BUSH  
HAMMERED avg.20 thk GRANITE  
FLOORING-INDIAN JUPARANA
- 


A2- 600x600 avg. 6MM thk  
VITRIFIED TILE FLOORING AS  
APPROVED
- 


A3- 300x300 AVG. 6MM THK ANTI-SKID  
CERAMIC TILE FLOORING AS APPROVED
- 

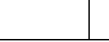
A4- CLEAR MELAMINE POLISHED GOOD GRADE  
SOLID TW PARQUET FLOORING ,avg. 15mm  
thk,avg,SIZE 75mm x150mm
- 

A5- WHITE MARBLE TERRAZO &  
COLOUR FLOORING  
CAST-IN-SITU,PATTERN,STAINED  
AS APPROVED
- 

A6-Avg. 3MM thk APPROVED  
VINYL FLOORING,MERGED SEAM  
SHEET TYPE OF SELECT PATTERN  
OVER avg. 50 thk IPS BASE
- 

A7-300x300 Avg. 9-12MM thk  
COLOURED PATTERNED, EXTERIOR  
GRADE CONCRETE PAVER TILE
- 


A8-Avg. 4 MM thk. DUPONT SORONA  
FIBRE BASED ARTIFICIAL FABRIC CARPET  
AS PER SELECTION OVER UNDERLAY &  
STAINED TREMIX CONCRETE FLOORING
- 

A9-STAINED TREMIX CONCRETE  
FLOORING
- 


A9a-STAINED TREMIX CONCRETE  
FLOORING WITH BRASS INLAY

FIRST FLOOR FLOORING LAYOUT

REV.	MODIFICATION	DATE



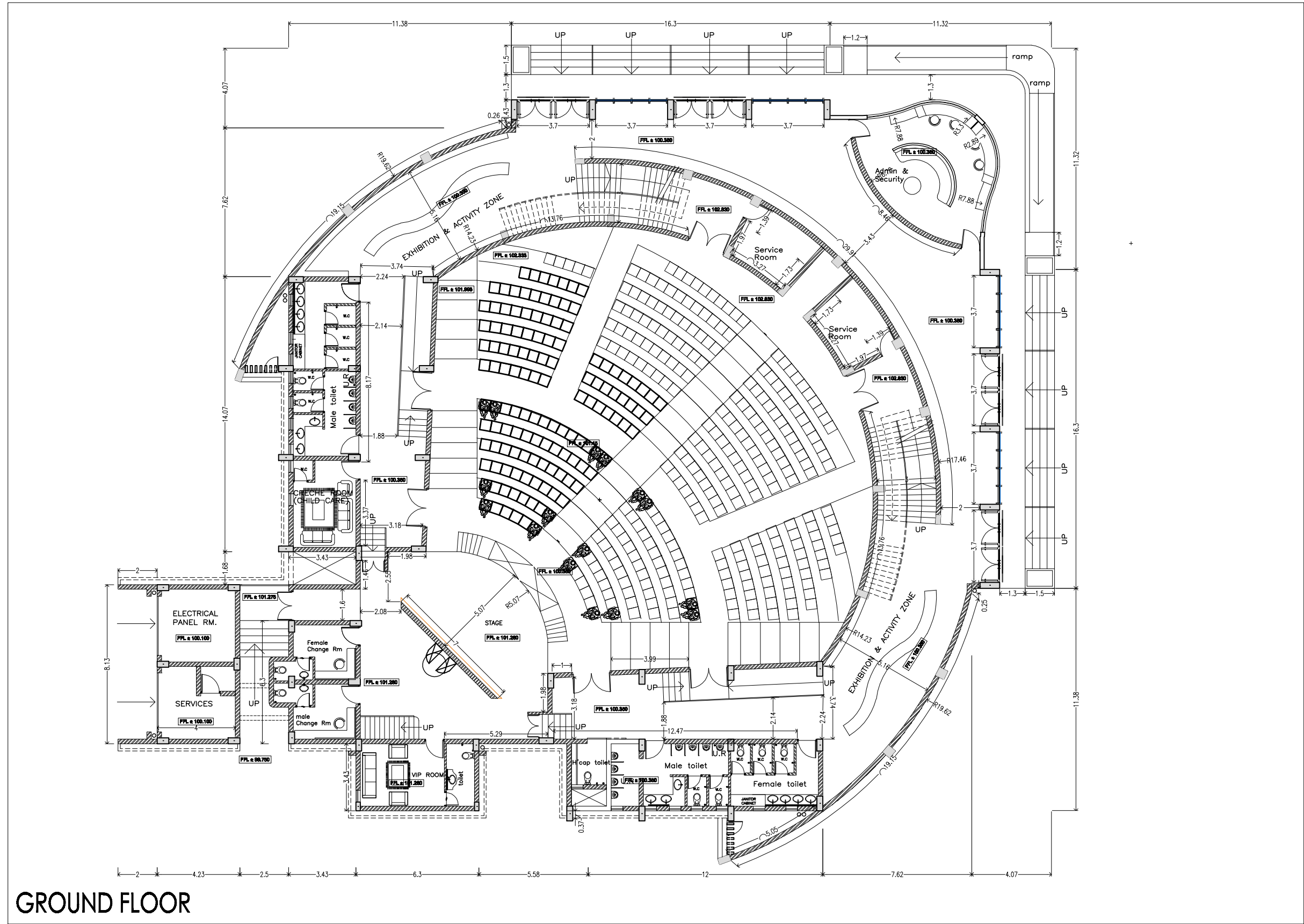
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DESIGN PHASE  
stage T- Tender Drawing

DRAWING TITLE			
FIRST FLOOR-FLOORING LAYOUT			
SCALE <b>1:200</b>	FORMAT <b>A3</b>	DRAWN BY <b>Rathna</b>	CAD FILE <b>AR-001-IITM-FL-00</b>
DRAWING NUMBER <b>AR-001-IITM-FL-03</b>			
DATE OF FIRST ISSUE <b>25.08.11</b>	REFERENCE DRAWING NUMBER GAP *****	DATE OF REVISION -	REVISION -



REV.	MODIFICATION	DATE



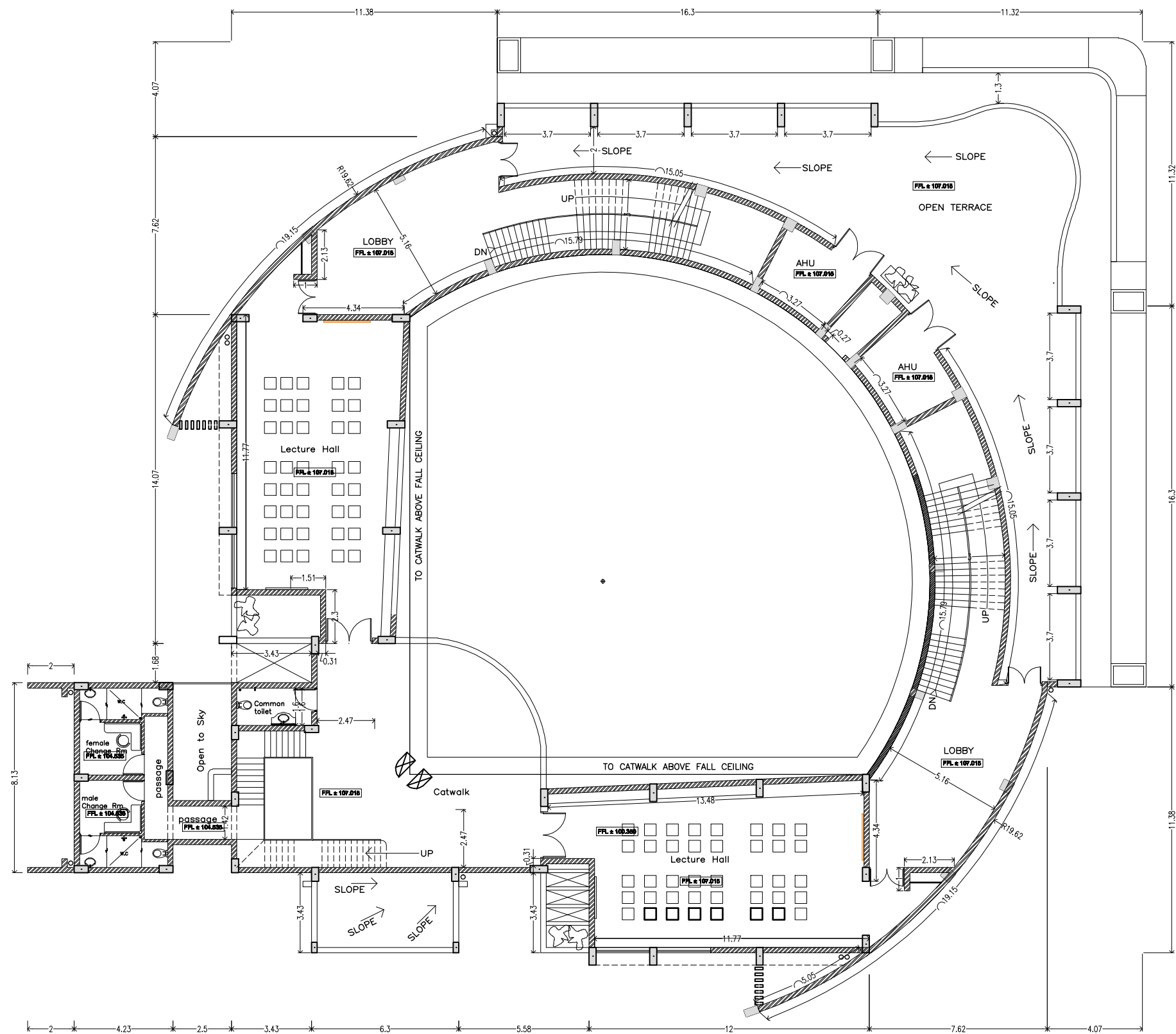
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DESIGN PHASE  
stage T- Tender Drawing

DRAWING TITLE			
GROUND FLOOR PLAN			
SCALE	FORMAT	DRAWN BY	CAD FILE
1:200	A3	Rathna	AR-001-IITM-FP-00
DRAWING NUMBER			
AR-001-IITM-FP-01			
DATE OF FIRST ISSUE	REFERENCE DRAWING NUMBER GAP	DATE OF REVISION	REVISION
25.08.11	*****	-	-



FIRST FLOOR

REV.	MODIFICATION	DATE



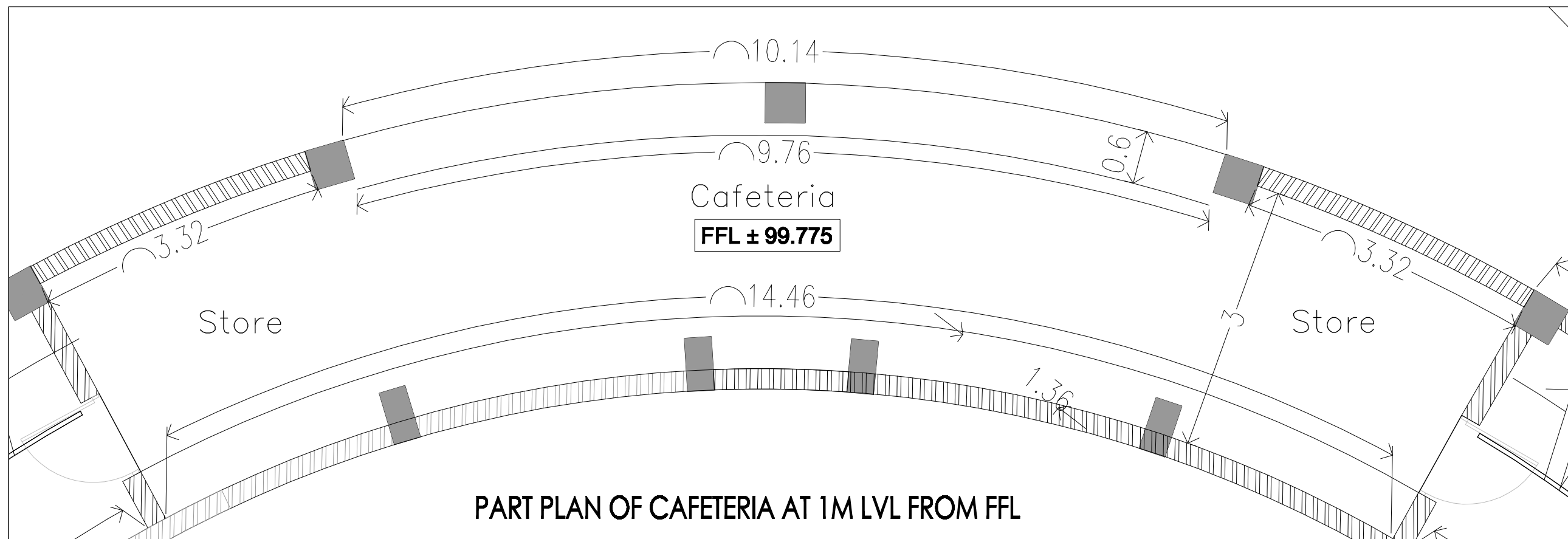
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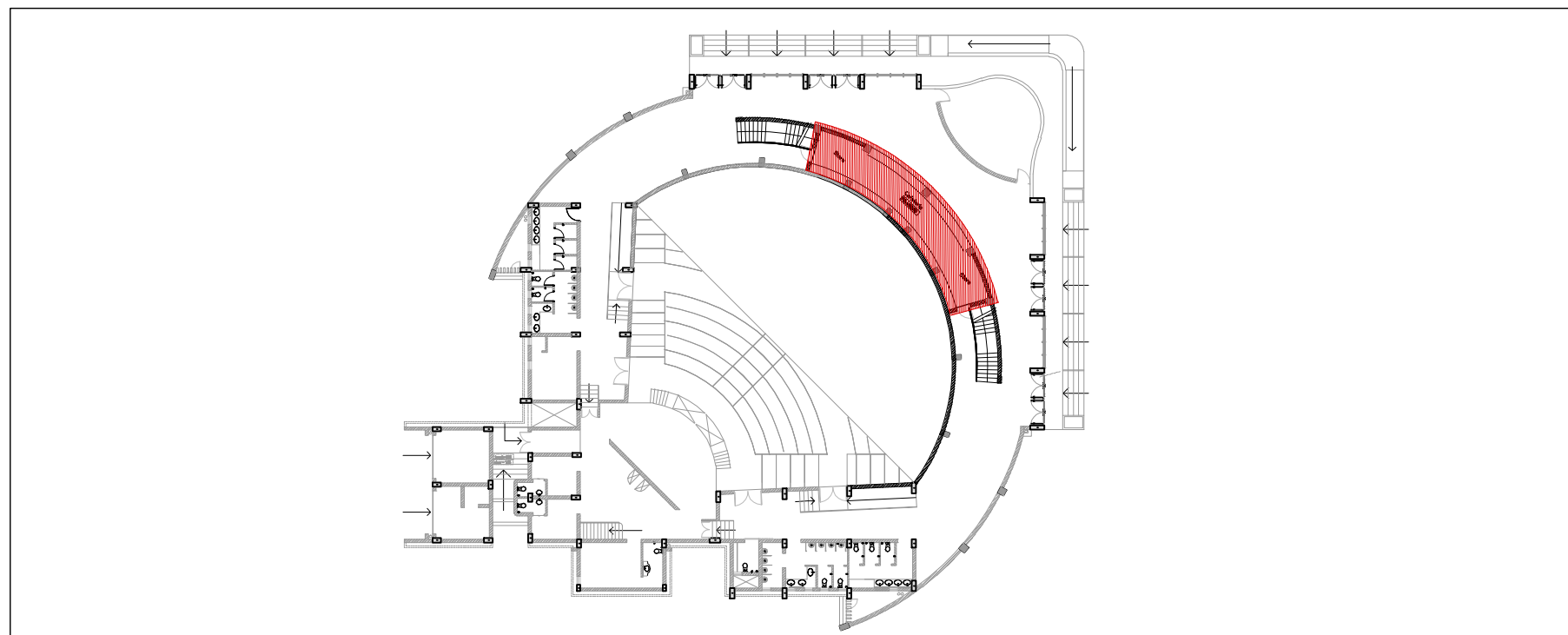
**PROPOSED COMPLEX FOR CONFERENCE AND LECTURES HALLS - IITM PUNE**

DESIGN PHASE  
stage T- Tender Drawing

DRAWING TITLE			
FIRST FLOOR PLAN			
SCALE	FORMAT	DRAWN BY	CAD FILE
1:200	A3	Rathna	AR-001-IITM-FP-00
DRAWING NUMBER			
AR-001-IITM-FP-02			
DATE OF FIRST ISSUE	REFERENCE DRAWING NUMBER GAP	DATE OF REVISION	REVISION
25.08.11	*****	-	-



PART PLAN OF CAFETERIA AT 1M LVL FROM FFL



KEY PLAN OF CAFETERIA AT 100.775 LVL

REV.	MODIFICATION	DATE



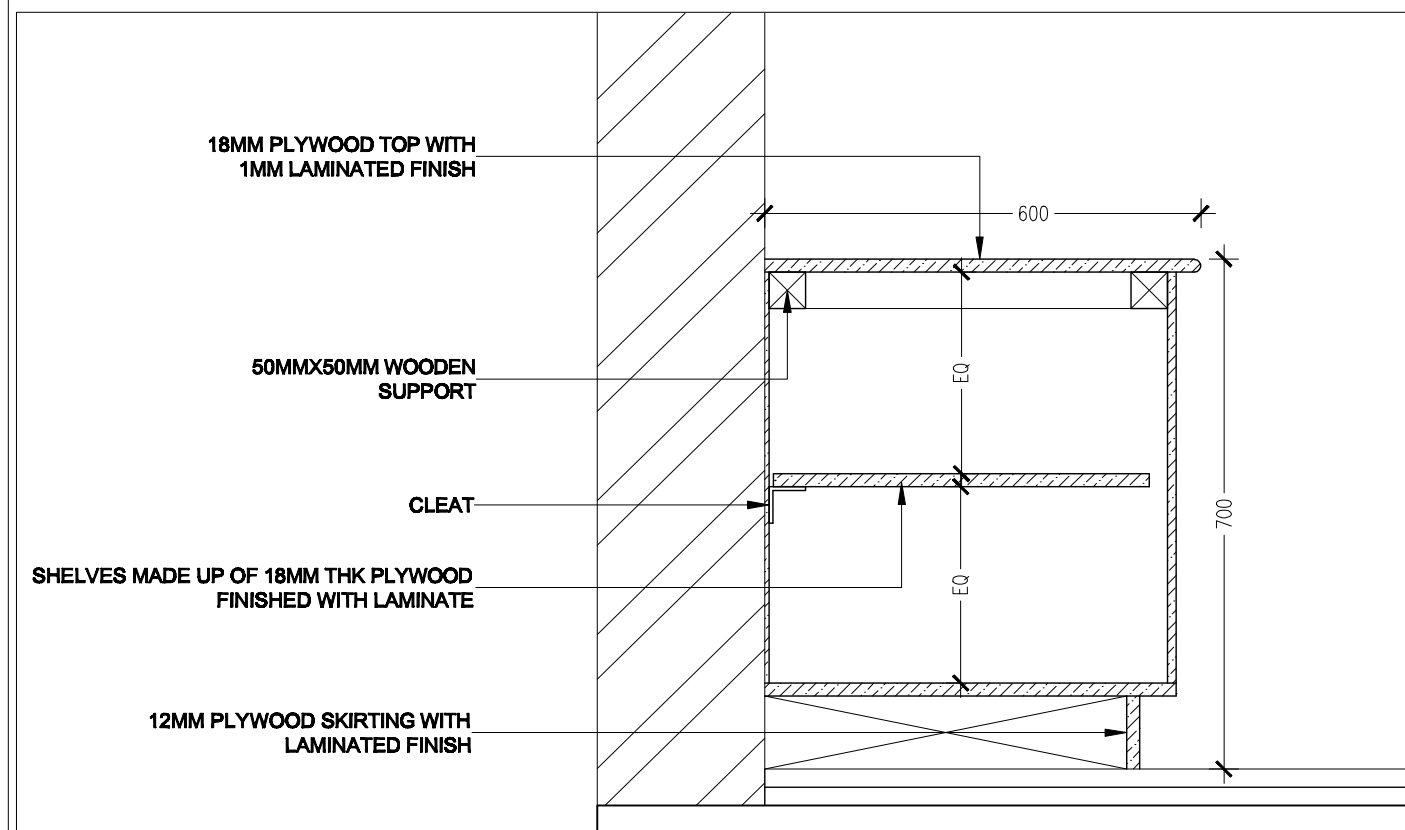
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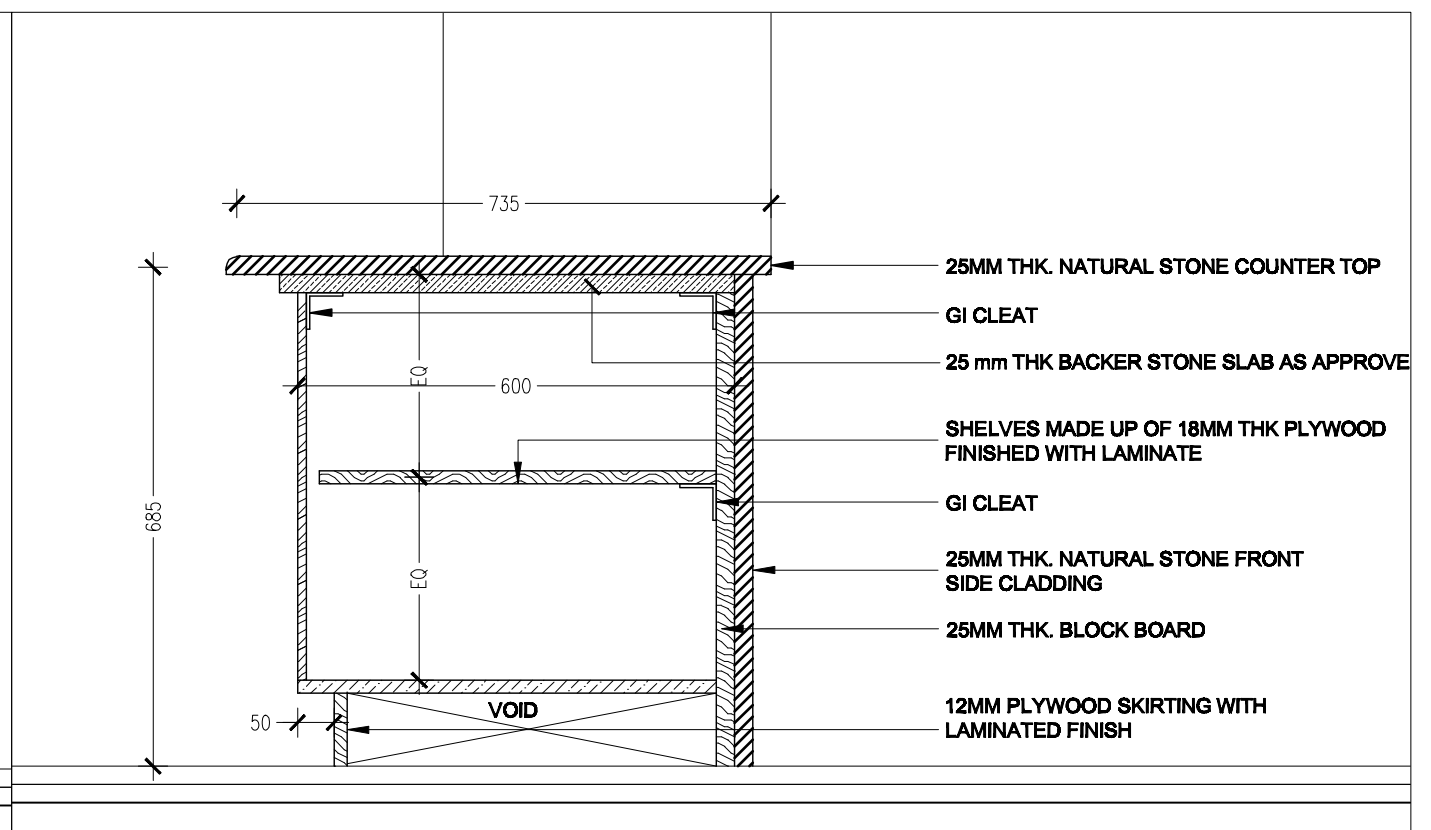
**PROPOSED COMPLEX FOR CONFERENCE AND  
LECTURES HALLS - IITM PUNE**

DESIGN PHASE  
stage T- Tender Drawing

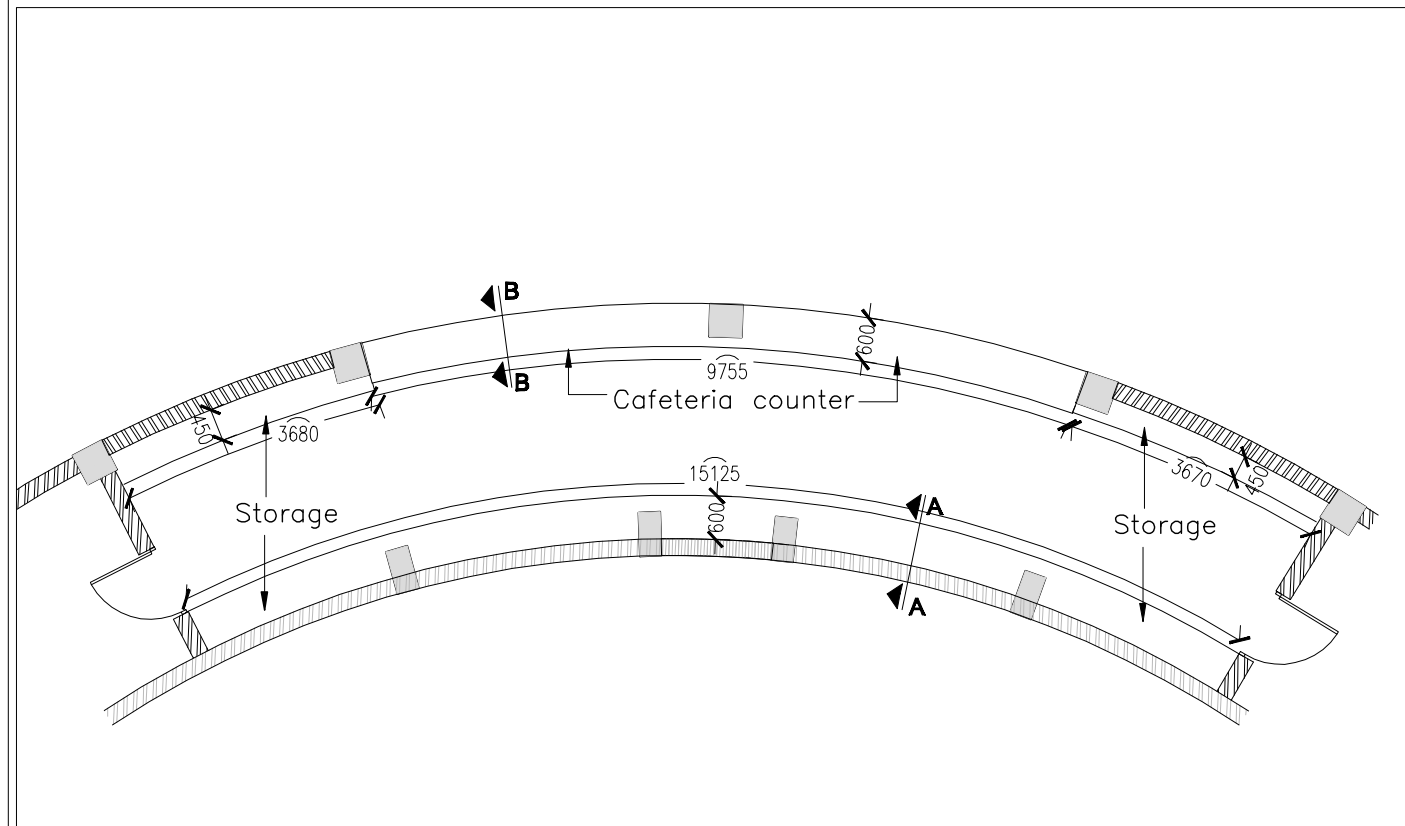
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SCALE <b>1:50</b>	FORMAT <b>A3</b>	DRAWN BY <b>Rathna</b>	CAD FILE <b>AR-001-IITM-FP-00</b>
DRAWING NUMBER <b>AR-001-IITM-FP-03</b>			
DATE OF FIRST ISSUE <b>25.08.11</b>	REFERENCE DRAWING NUMBER/DATE	DATE OF REVISION <b>-</b>	REVISION <b>-</b>



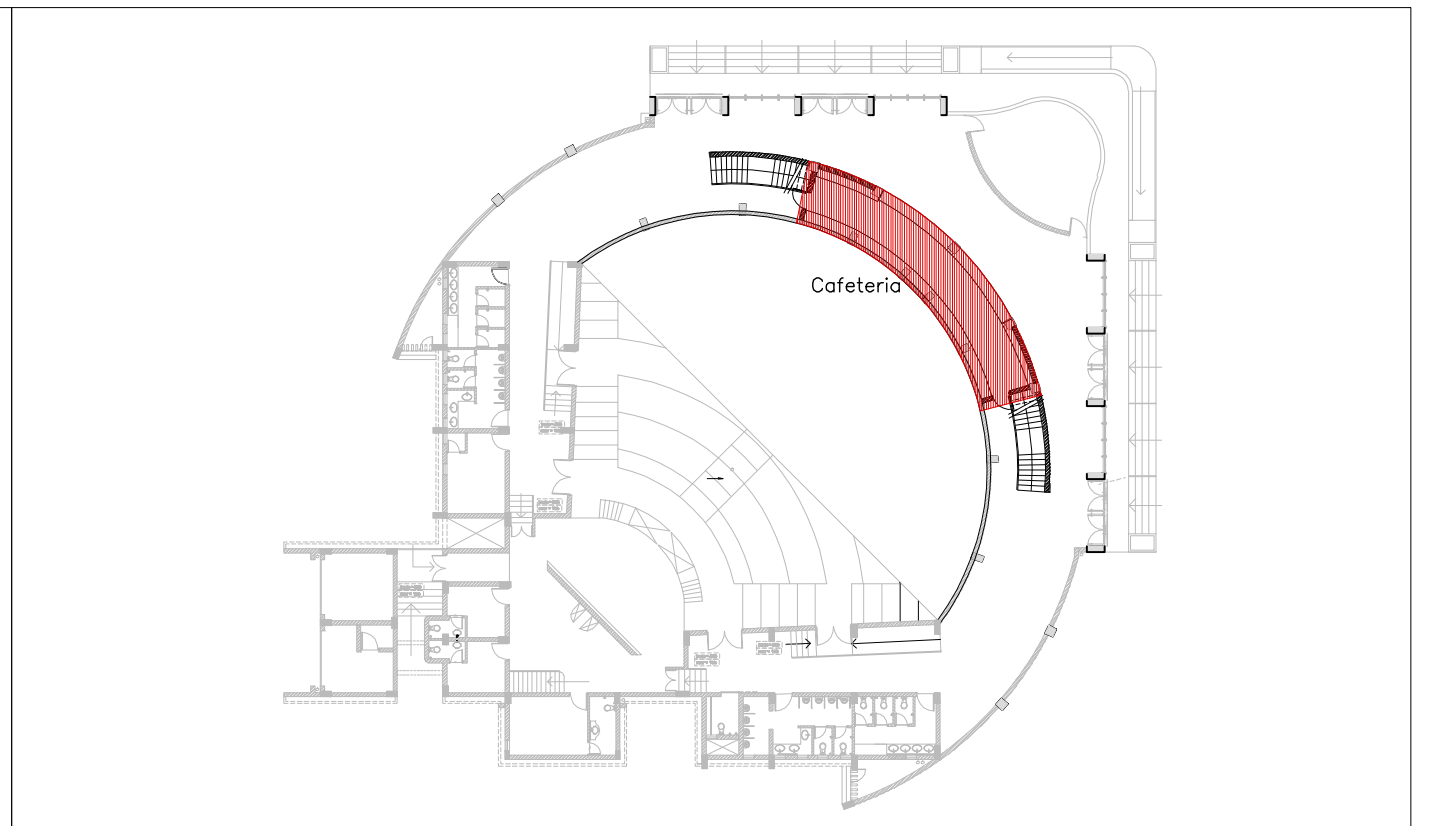
SECTION A-A Scale 1:10



SECTION B-B Scale 1:10



CAFETERIA PLAN Scale 1:100



KEYPLAN

REV.	MODIFICATION	DATE

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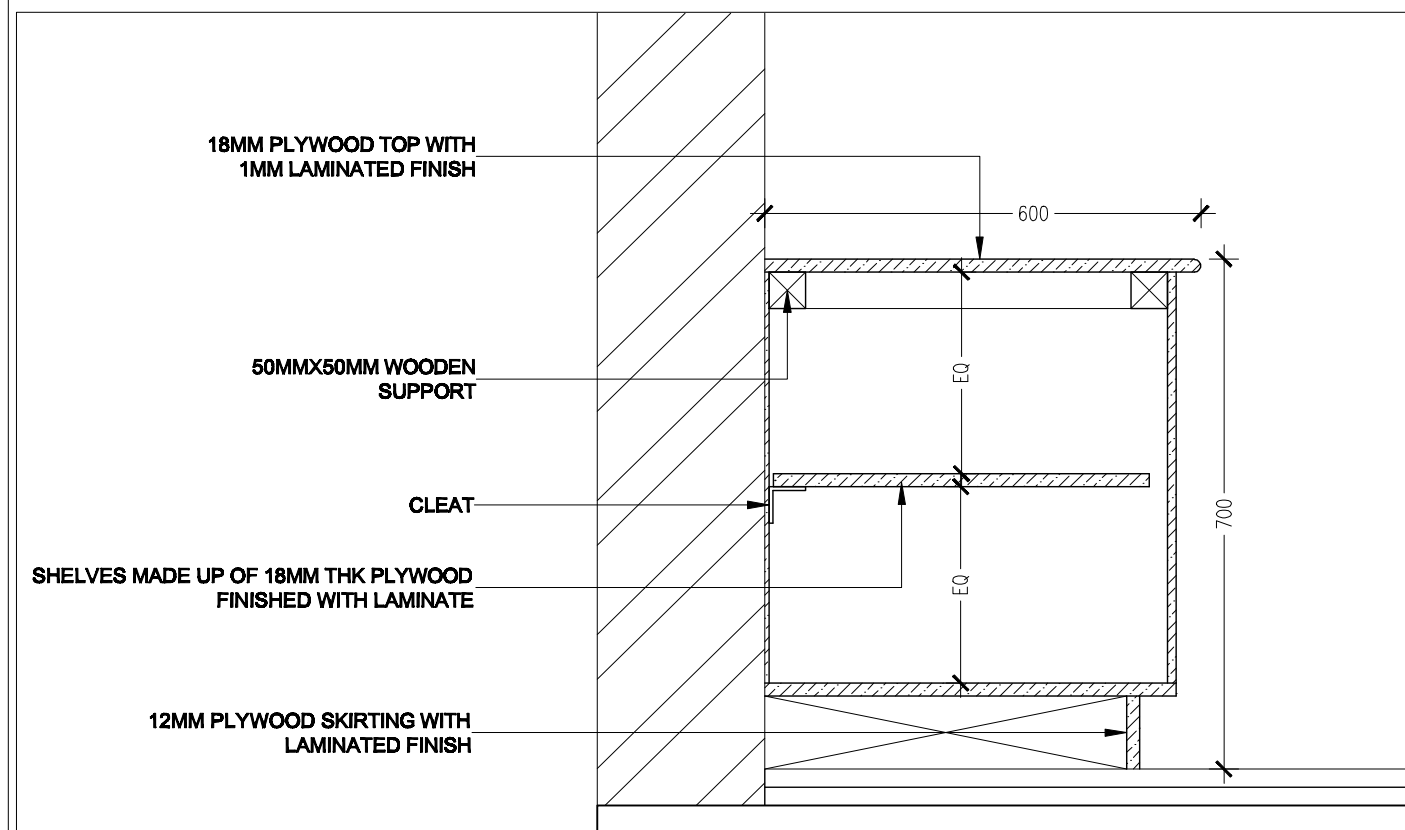
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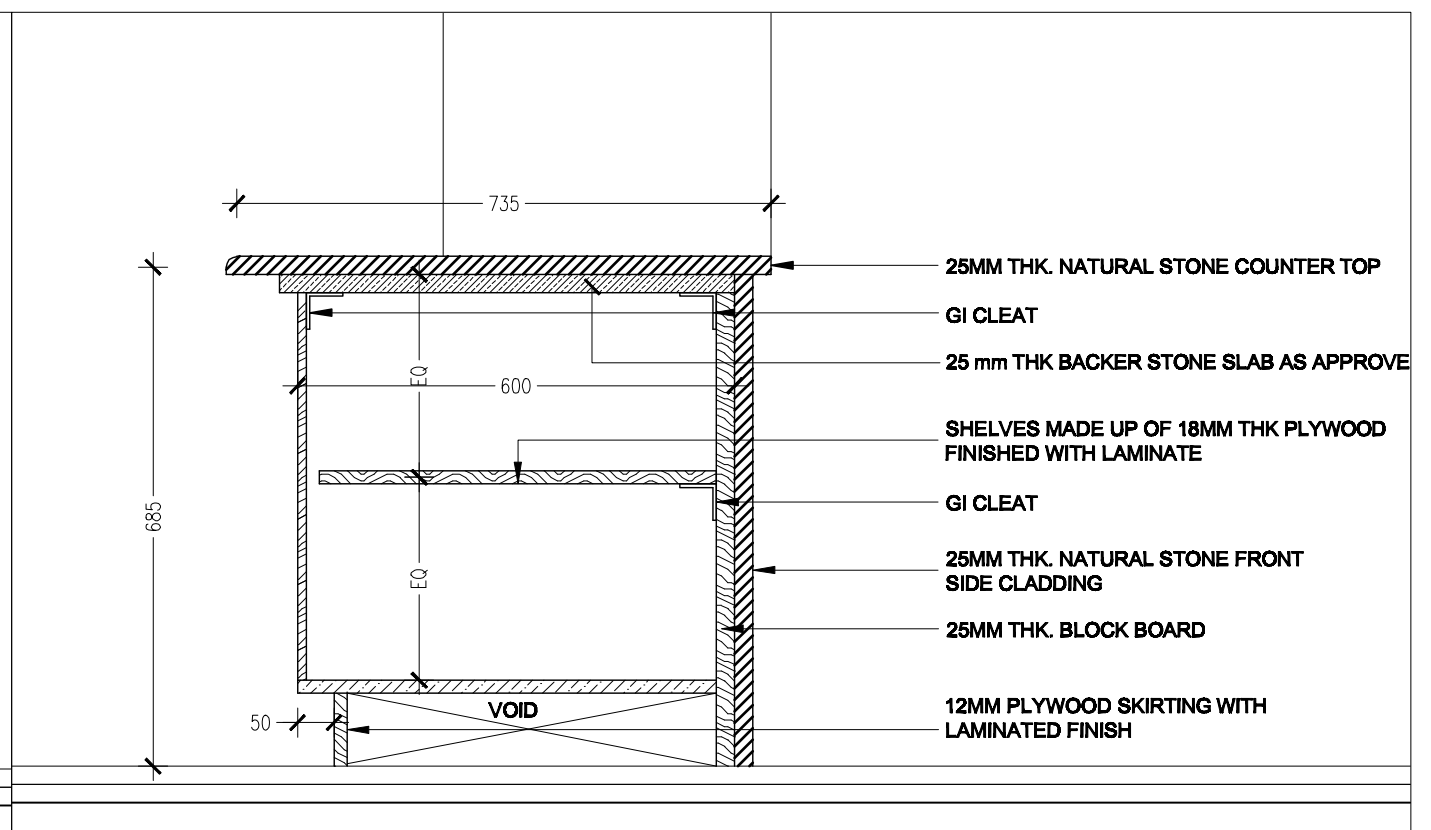
DESIGN PHASE  
stage T- Tender Drawing

DRAWING TITLE <b>Cafeteria furniture layout &amp; furniture details</b>			
SCALE <b>As shown</b>	FORMAT <b>A3</b>	DRAWN BY <b>Rathna</b>	CAD FILE <b>AR-001-IITM-FU-00</b>
DRAWING NUMBER <b>AR-001-IITM-FU-02</b>			
DATE OF FIRST ISSUE <b>25.08.11</b>	REFERENCE DRAWING NUMBER GAP *****	DATE OF REVISION -	REVISION -

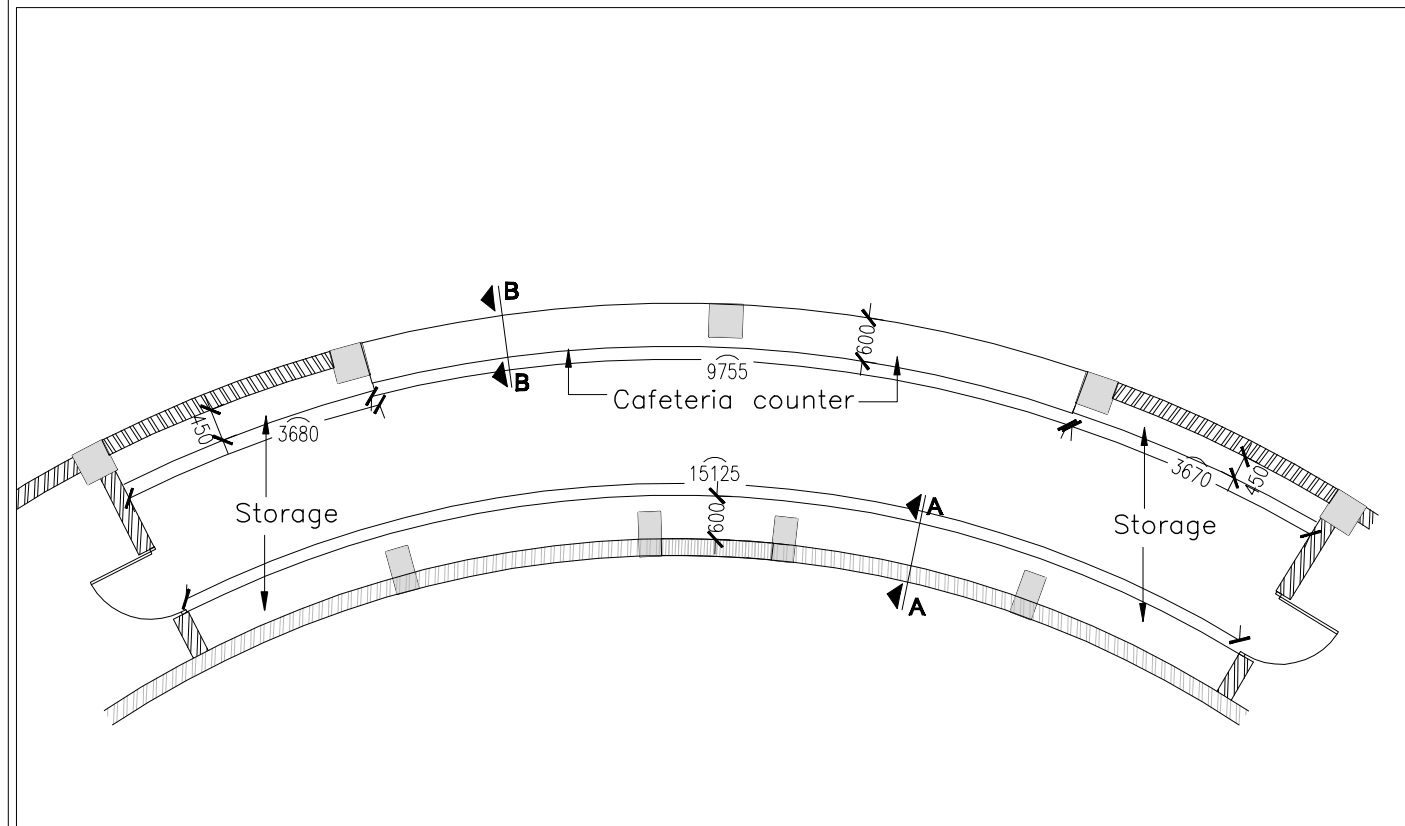




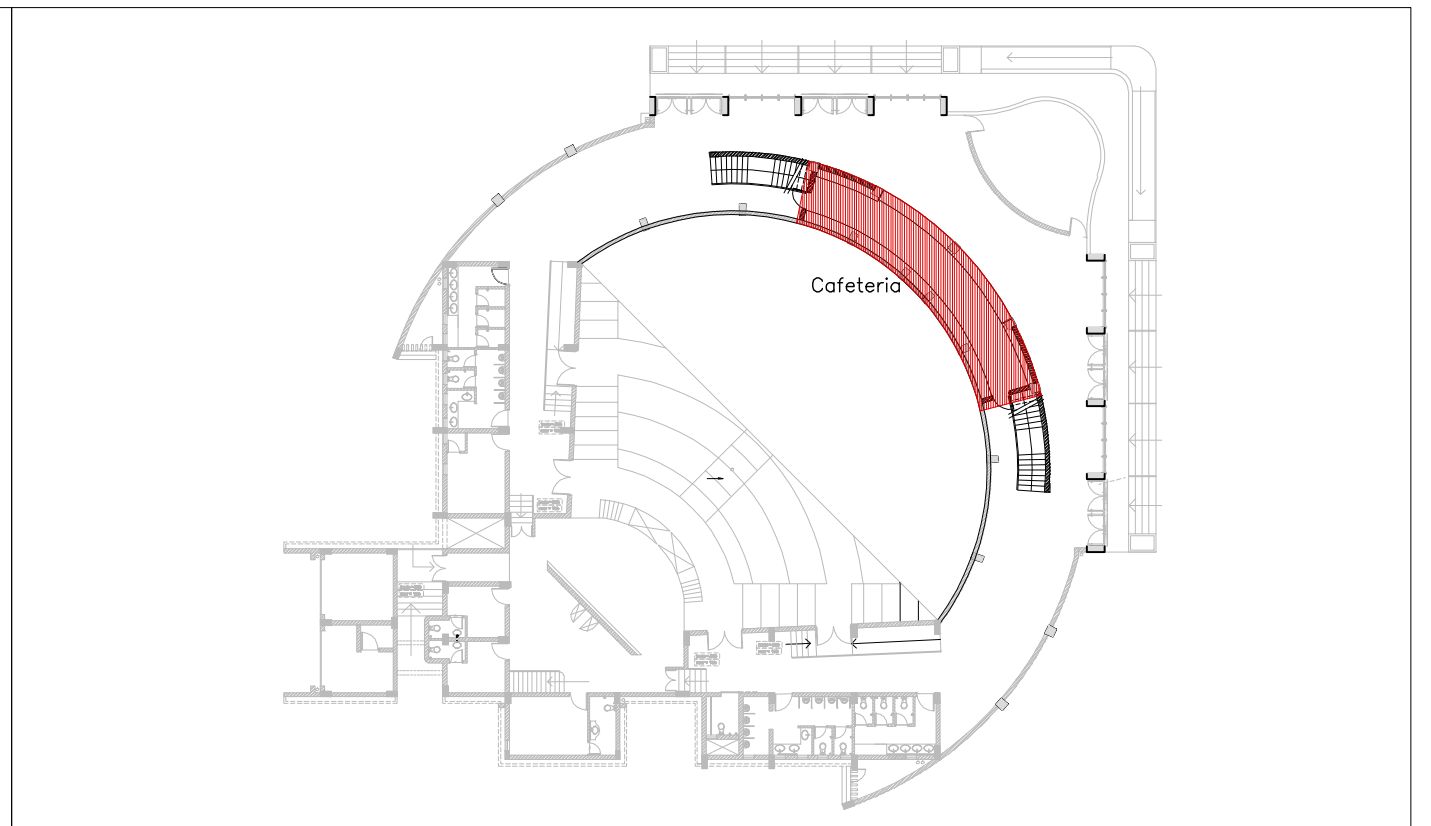
SECTION A-A Scale 1:10



SECTION B-B Scale 1:10



CAFETERIA PLAN Scale 1:100



KEYPLAN

REV.	MODIFICATION	DATE

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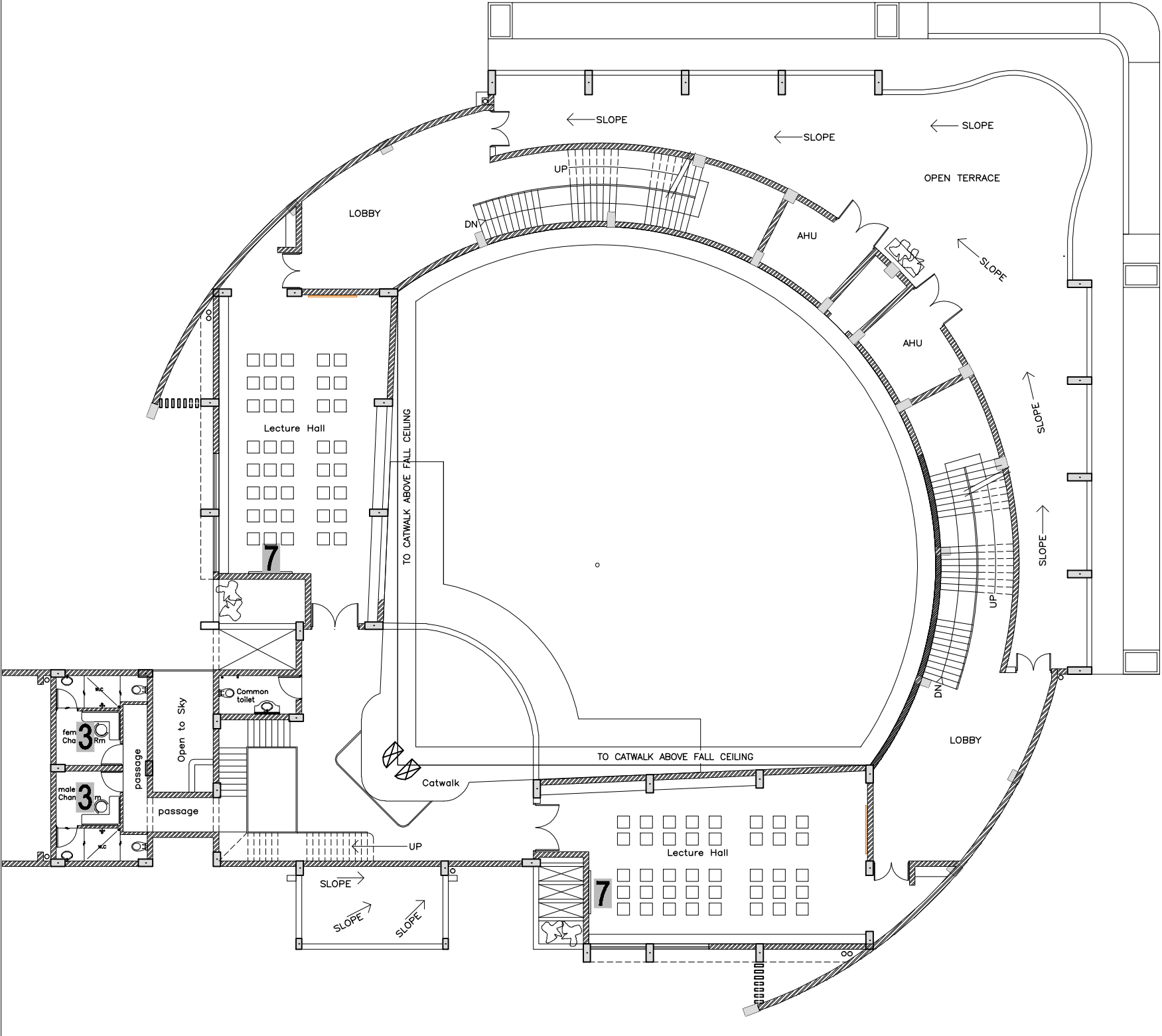
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stage T- Tender Drawing

DRAWING TITLE			
Cafeteria furniture layout & furniture details			
SCALE	FORMAT	DRAWN BY	CAD FILE
As shown	A3	Rathna	AR-001-IITM-FU-00
DRAWING NUMBER			
AR-001-IITM-FU-02			
DATE OF FIRST ISSUE	REFERENCE DRAWING NUMBER GAP	DATE OF REVISION	REVISION
25.08.11	*****	-	-




FURNITURE LEGEND

1	RECTANGULAR CENTER TABLE
2	CIRCULAR CENTER TABLE
3	DRESSING TABLE
4	ACTIVITY TABLE
5	LOW HEIGHT STORAGE
6	ADMIN AND SECURITY COUNTER TABLE
7	DISPLAY BOARD

FIRST FLOOR FURNITURE LAYOUT

REV.	MODIFICATION	DATE

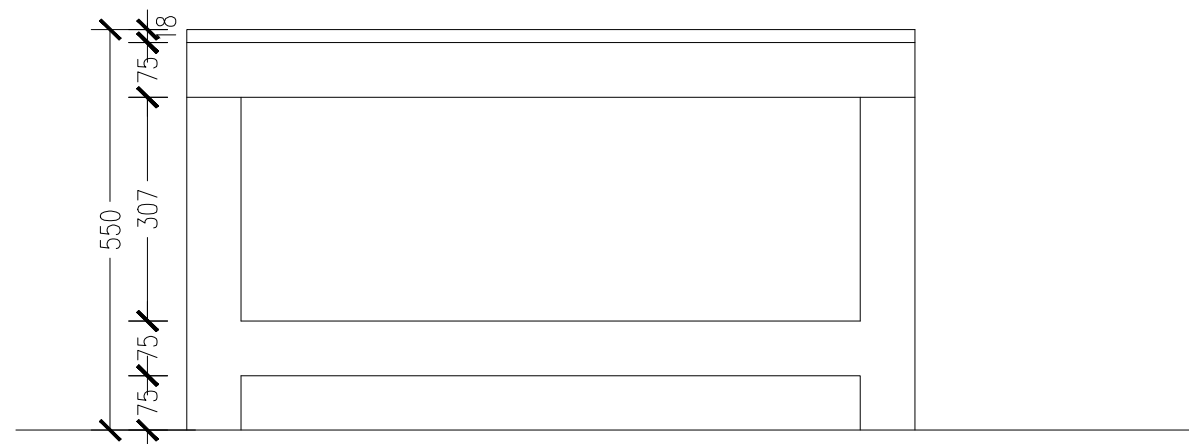


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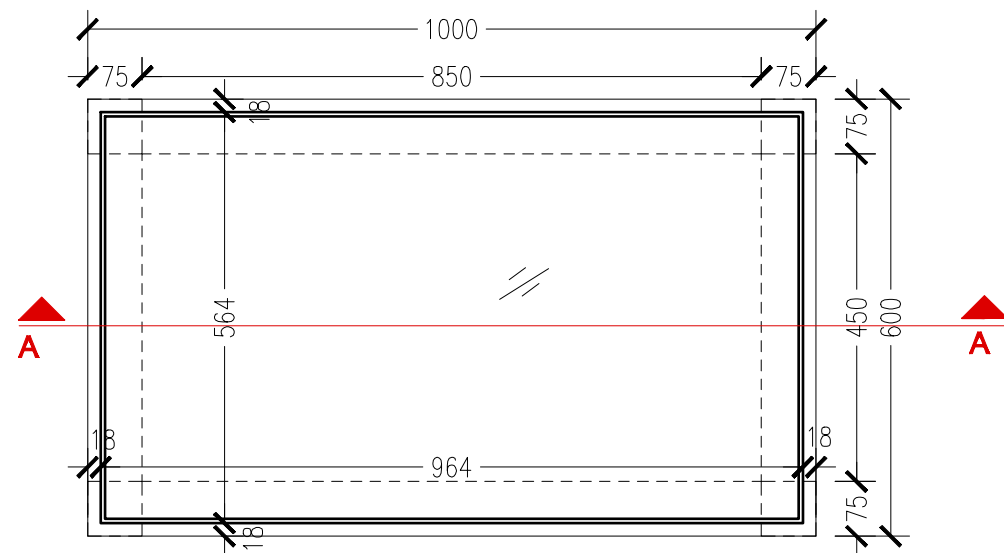
**PROPOSED COMPLEX FOR CONFERENCE AND LECTURES HALLS - IITM PUNE**

DESIGN PHASE  
stage T- Tender Drawing

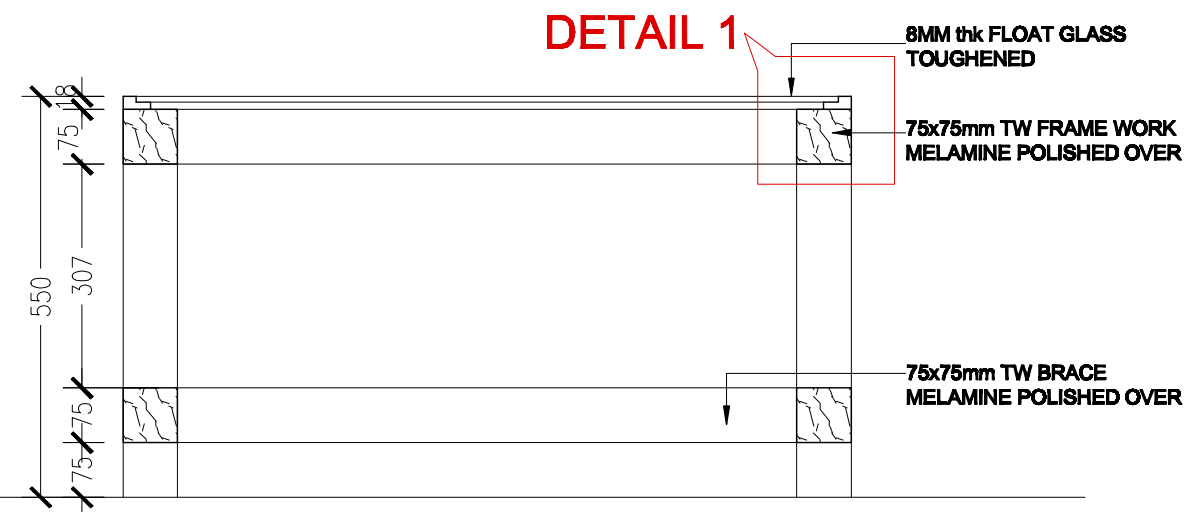
DRAWING TITLE FIRST FLOOR-FURNITURE LAYOUT			
SCALE 1:200	FORMAT A3	DRAWN BY Rathna	CAD FILE AR-001-IITM-FU-00
DRAWING NUMBER AR-001-IITM-FU-03			
DATE OF FIRST ISSUE 25.06.11	REFERENCE DRAWING NUMBER GAP *****	DATE OF REVISION -	REVISION -



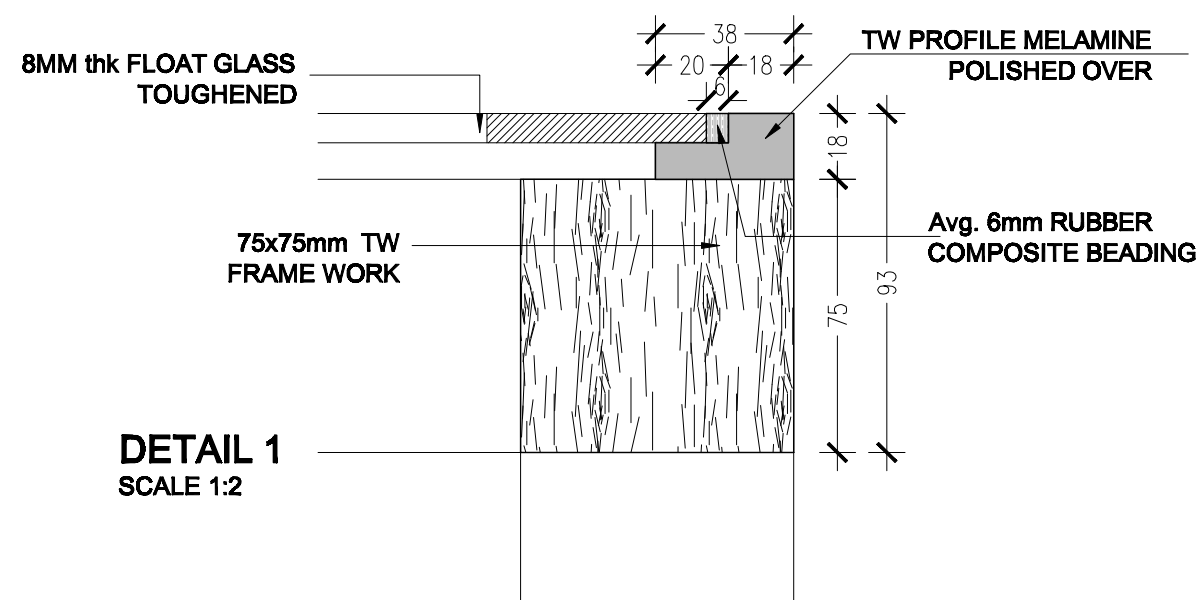
**FRONT ELEVATION**  
SCALE 1:10



**PLAN**  
SCALE - 1:10



**SECTION - AA**  
SCALE 1:10



**DETAIL 1**  
SCALE 1:2

REV.	MODIFICATION	DATE



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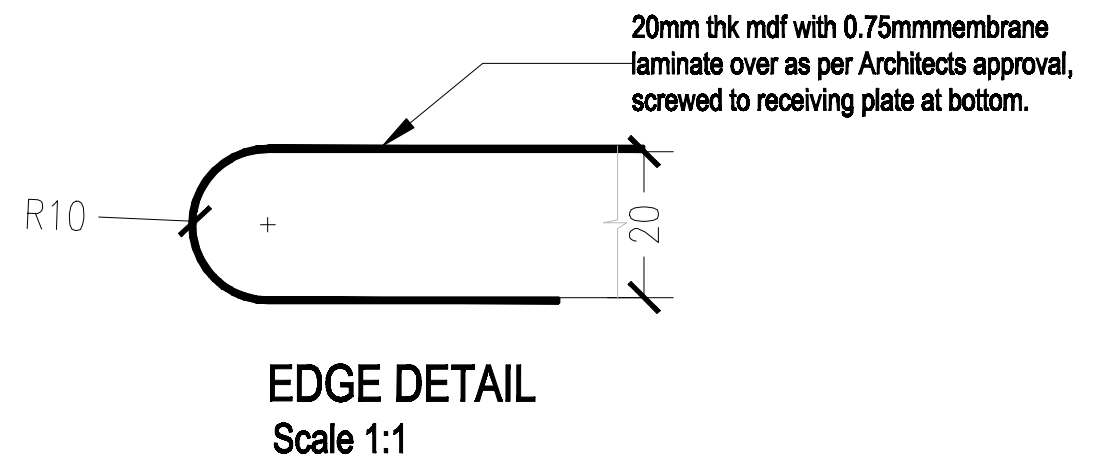
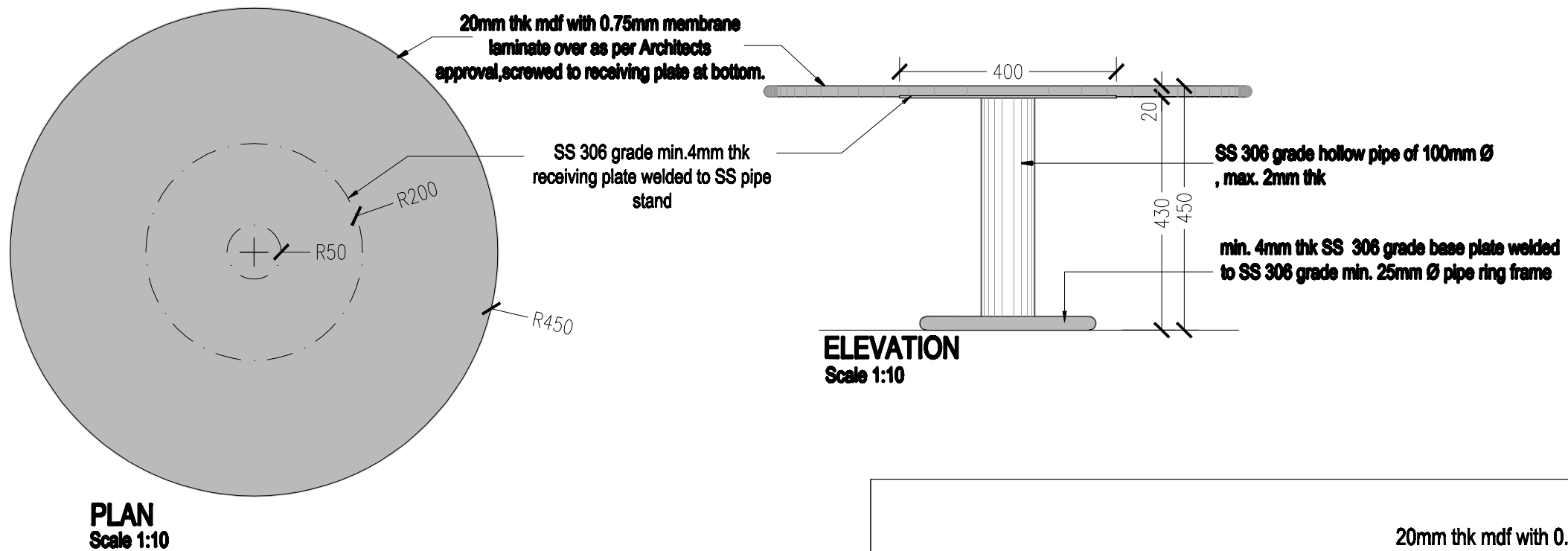


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DESIGN PHASE  
stage T- Tender Drawing

DRAWING TITLE <b>Rectangular Centre table detail</b>			
SCALE <b>1:200</b>	FORMAT <b>A3</b>	DRAWN BY <b>Rathna</b>	CAD FILE <b>AR-001-IITM-FU-04</b>
DRAWING NUMBER <b>AR-001-IITM-FU-04</b>			
DATE OF FIRST ISSUE <b>25.08.11</b>	REFERENCE DRAWING NUMBER GAP <b>*****</b>	DATE OF REVISION <b>.</b>	REVISION <b>-</b>





REV.	MODIFICATION	DATE



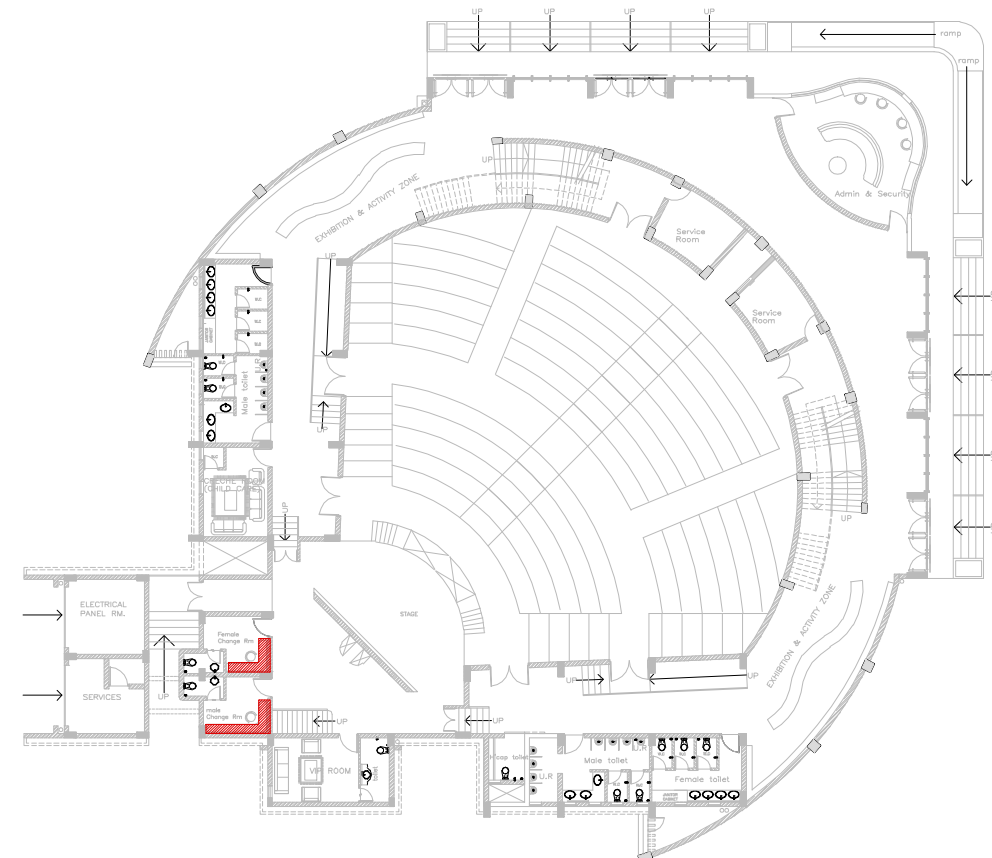
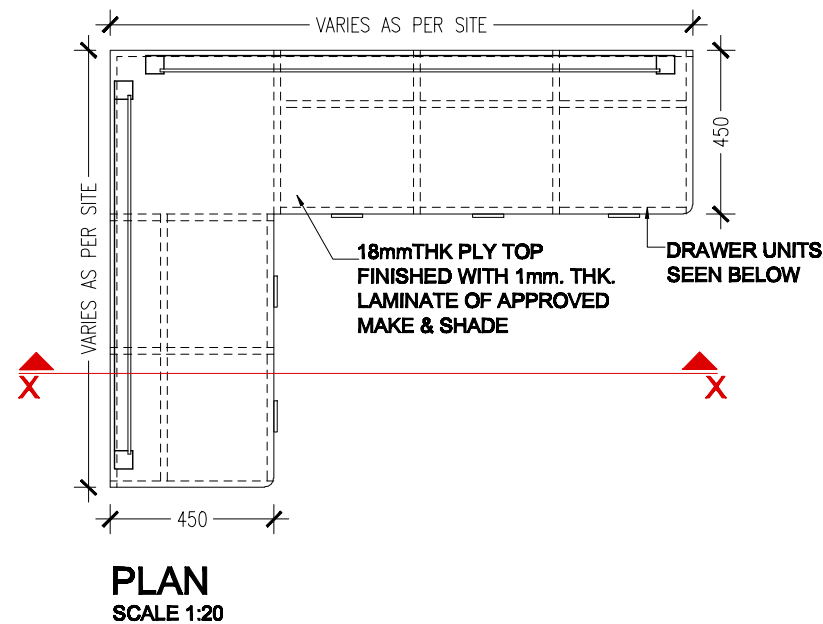
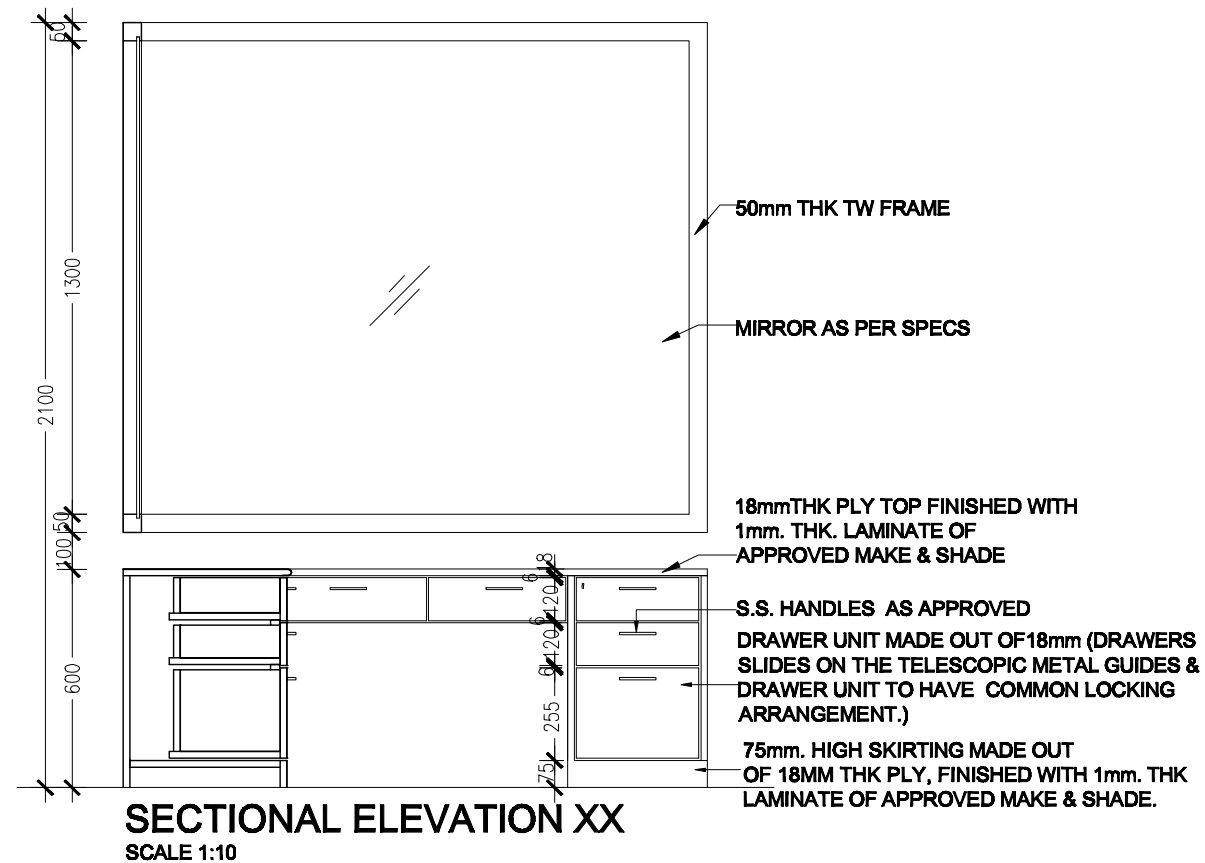
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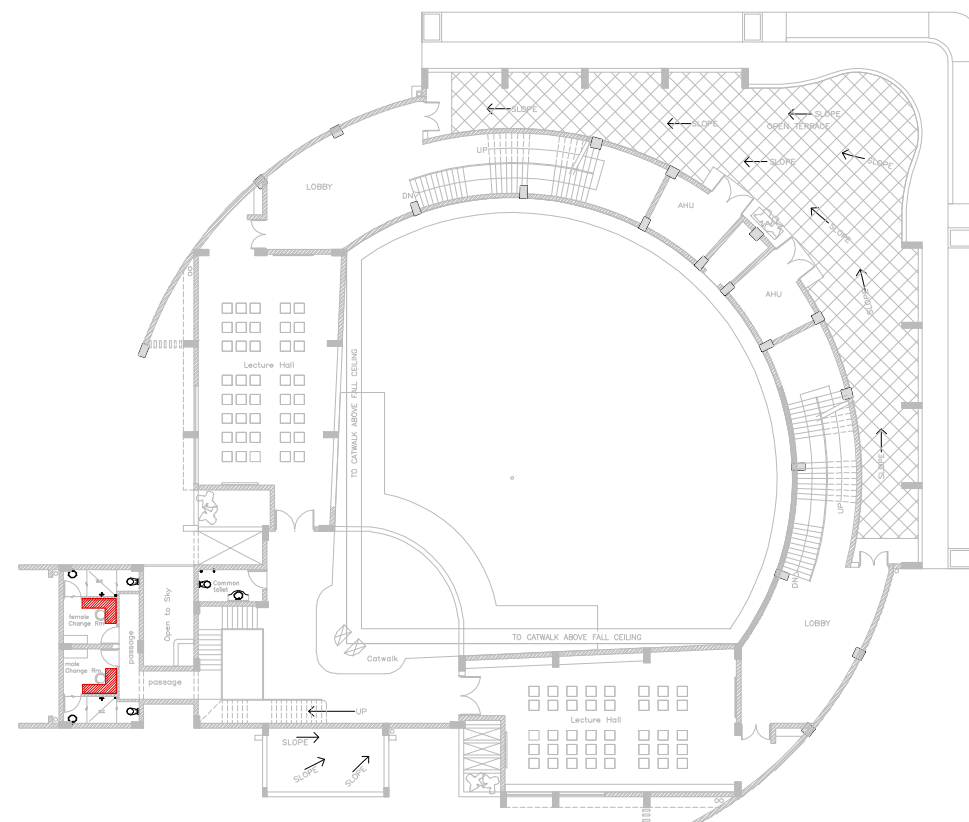
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DESIGN PHASE  
stage T- Tender Drawing

DRAWING TITLE			
Circular centre table detail			
SCALE	FORMAT	DRAWN BY	CAD FILE
As shown	A3	Rathna	AR-001-IITM-FU-04
DRAWING NUMBER			
AR-001-IITM-FU-05			
DATE OF FIRST ISSUE	REFERENCE DRAWING NUMBER GAP	DATE OF REVISION	REVISION
25.08.11	*****	-	-



**GROUND FLOOR KEY PLAN SHOWING LOCATION OF DRESSING TABLE**



**FIRST FLOOR KEY PLAN SHOWING LOCATION OF DRESSING TABLE**

REV.	MODIFICATION	DATE



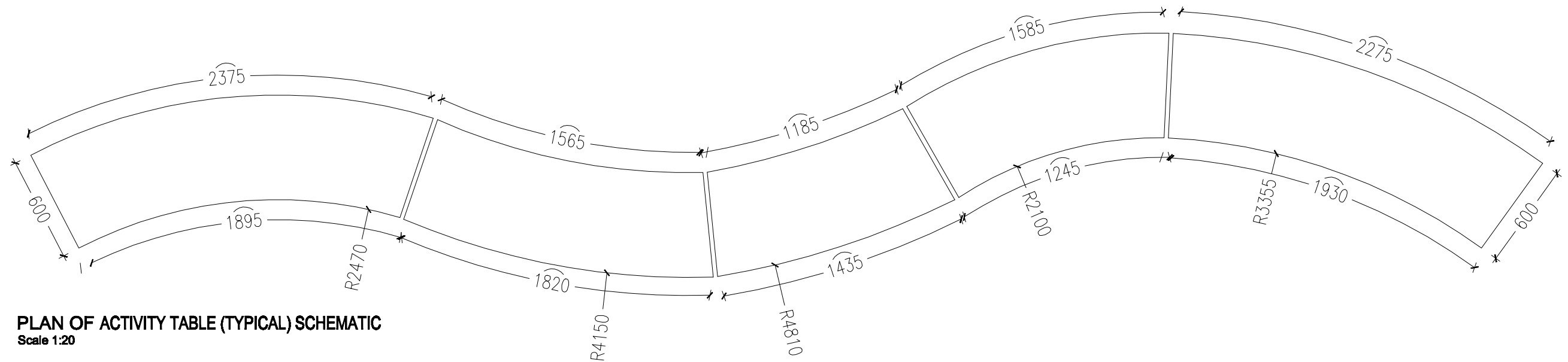
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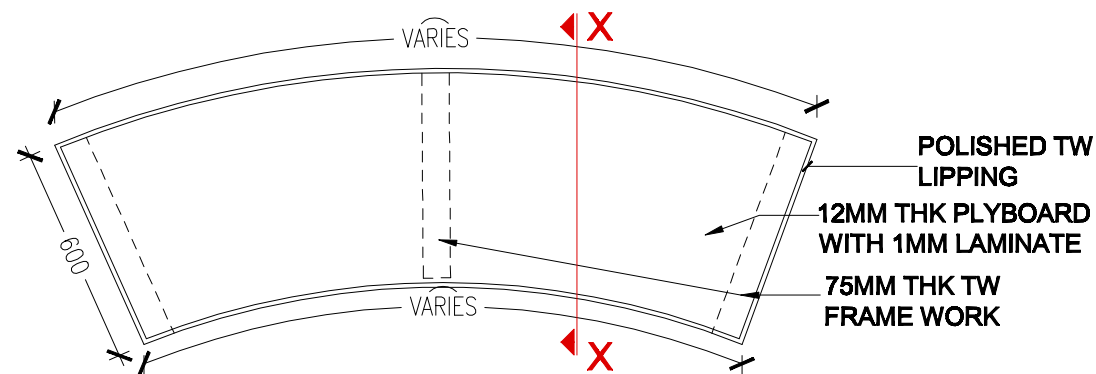
**PROPOSED COMPLEX FOR CONFERENCE AND LECTURES HALLS - IITM PUNE**

DESIGN PHASE  
stage T- Tender Drawing

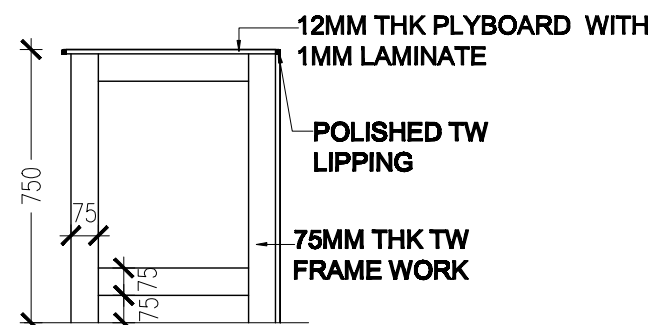
DETAIL FOR DRESSING TABLE			
SCALE <b>AS SHOWN</b>	FORMAT <b>A3</b>	DRAWN BY <b>Rathna</b>	CAD FILE <b>AR-001-IITM-FU-04</b>
DRAWING NUMBER <b>AR-001-IITM-FU-06</b>			
DATE OF FIRST ISSUE <b>25.08.11</b>	REFERENCE DRAWING NUMBER GAP *****	DATE OF REVISION -	REVISION -



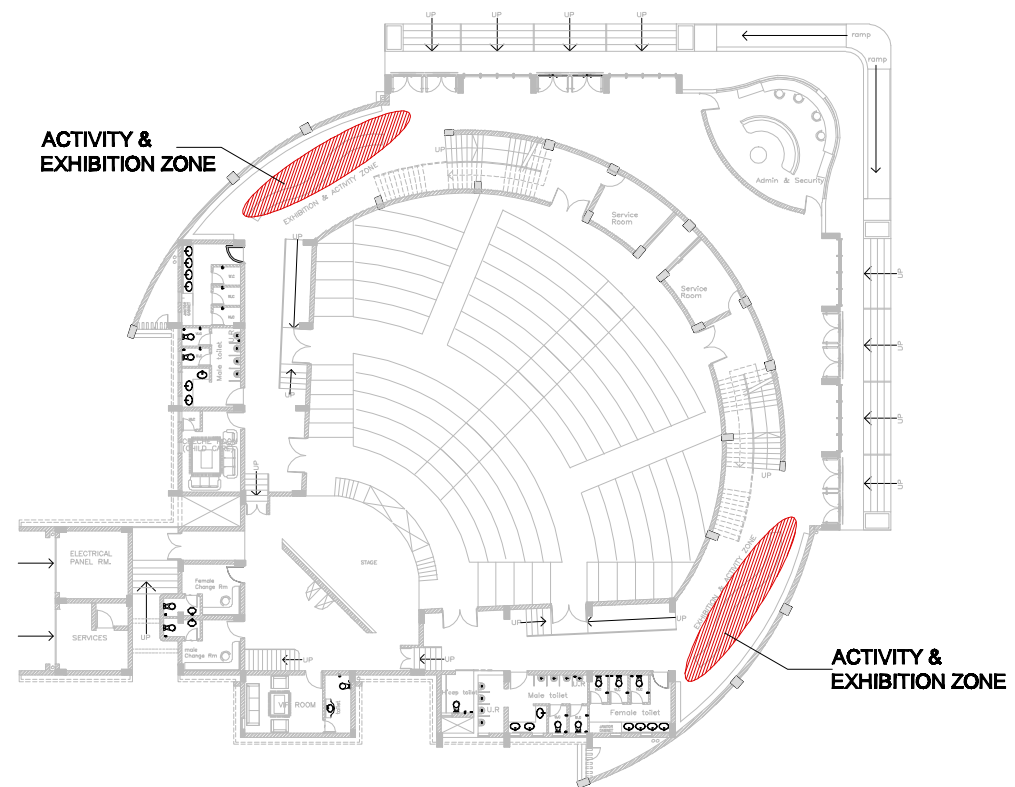
**PLAN OF ACTIVITY TABLE (TYPICAL) SCHEMATIC**  
Scale 1:20



**DETAILED PLAN OF ACTIVITY TABLE (TYPICAL)**  
Scale 1:20




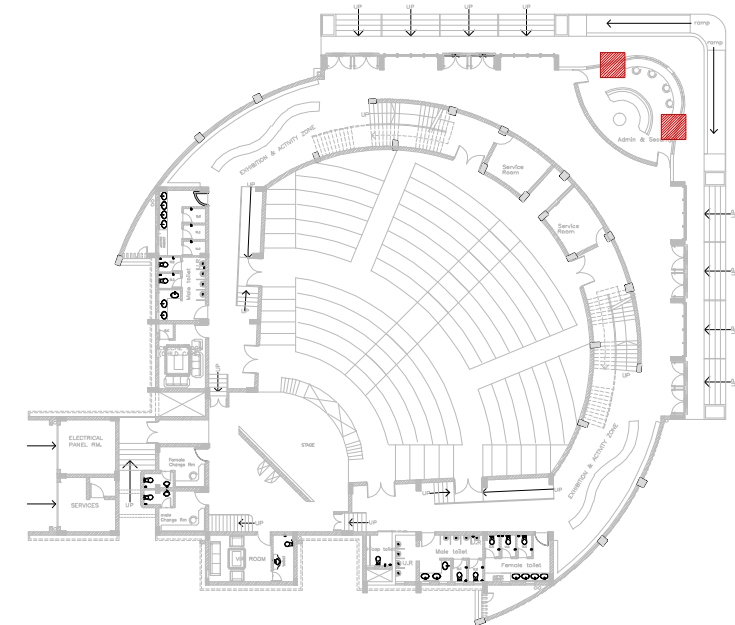
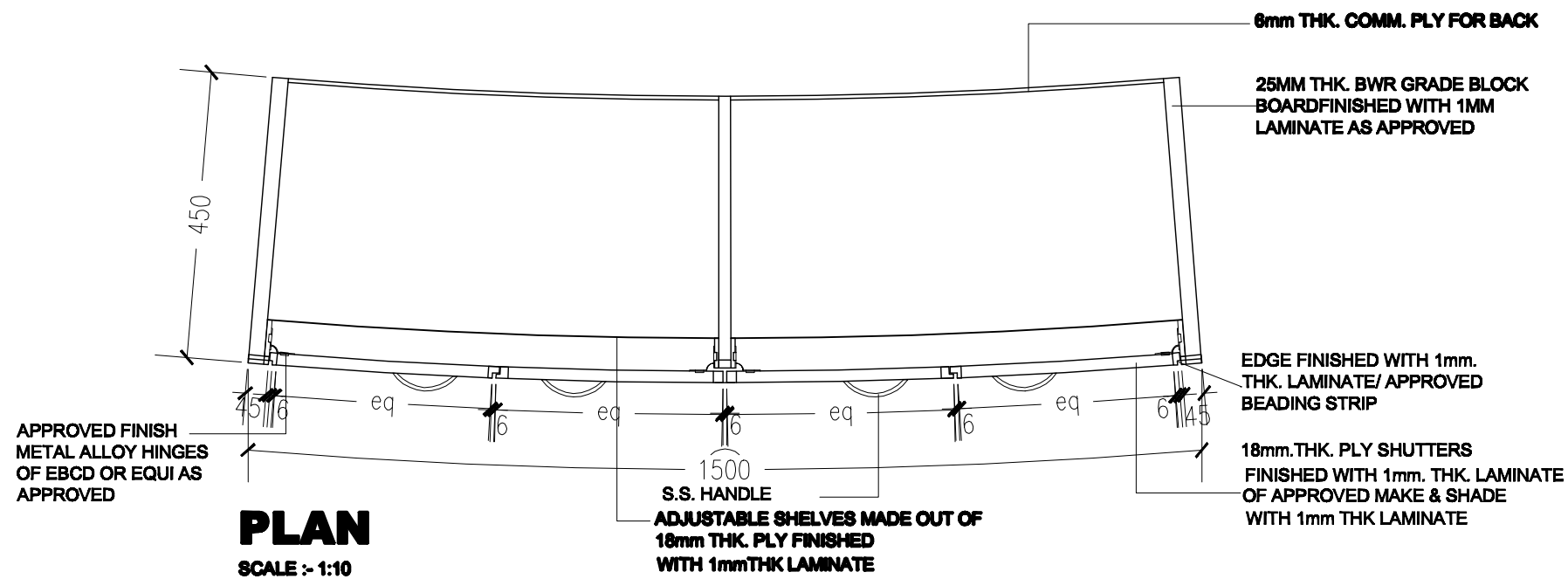
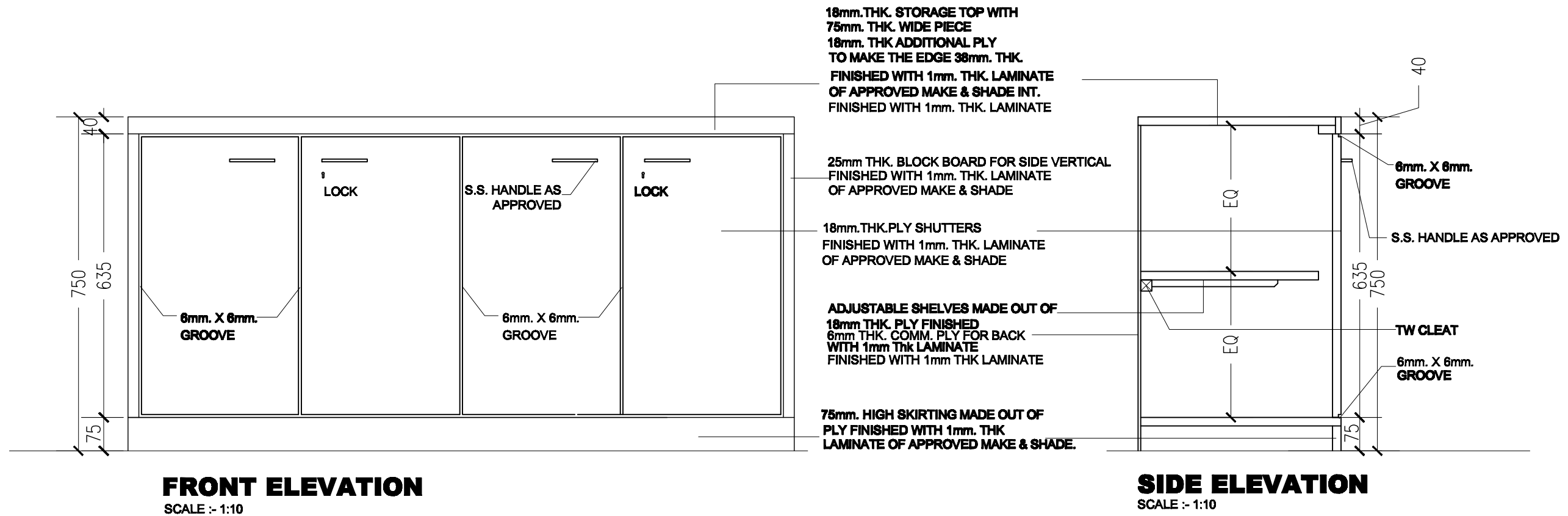
**SECTION XX**  
Scale 1:20



**KEY PLAN SHOWING LOCATION OF ACTIVITY / EXHIBITION TABLE**

REV.	MODIFICATION	DATE

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	<p>DESIGN PHASE: stage T- Tender Drawing</p>			
	<p><b>DETAIL FOR ACTIVITY / EXHIBITION TABLE</b></p>			
	<p>SCALE: AS SHOWN</p>	<p>FORMAT: A3</p>	<p>DRAWN BY: Ratna</p>	<p>CAD FILE: AR-001-IITM-FU-01</p>
	<p>DRAWING NUMBER: AR-001-IITM-FU-07</p>			
<p>DATE OF FIRST ISSUE: 25.08.11</p>	<p>REFERENCE DRAWING NUMBER: GAP</p>	<p>DATE OF REVISION: -</p>	<p>REVISION: -</p>	



REV.	MODIFICATION	DATE



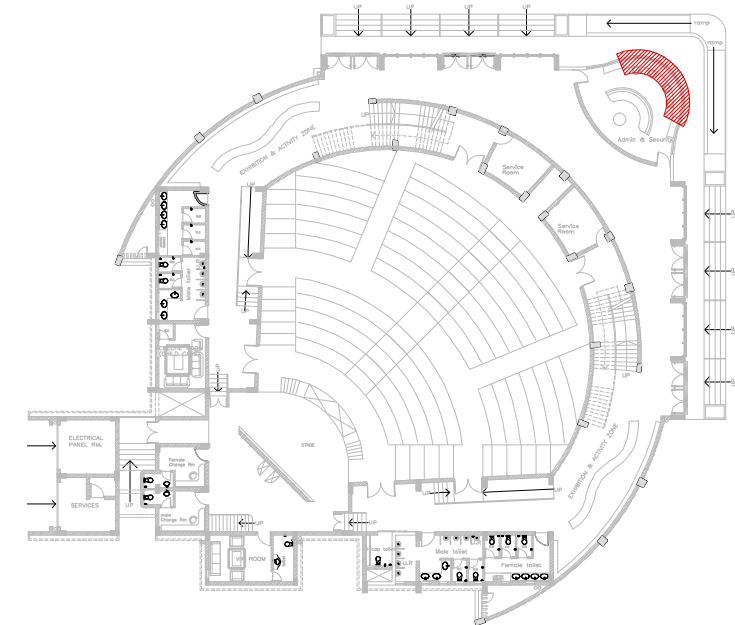
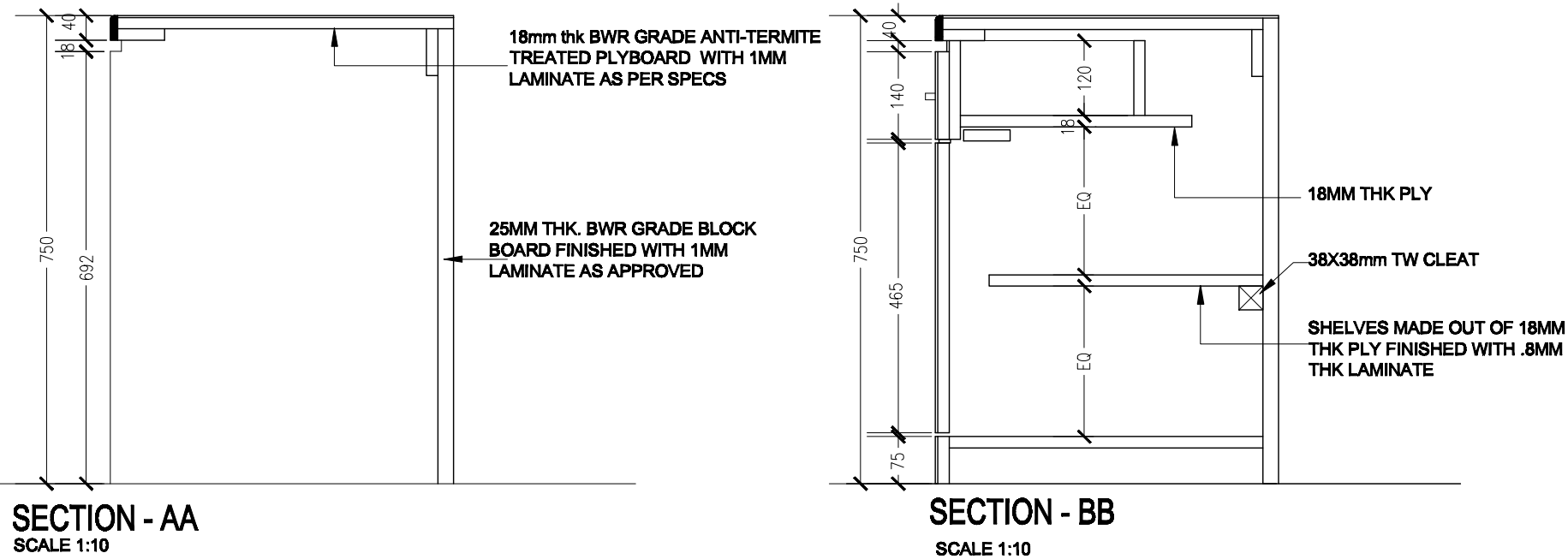
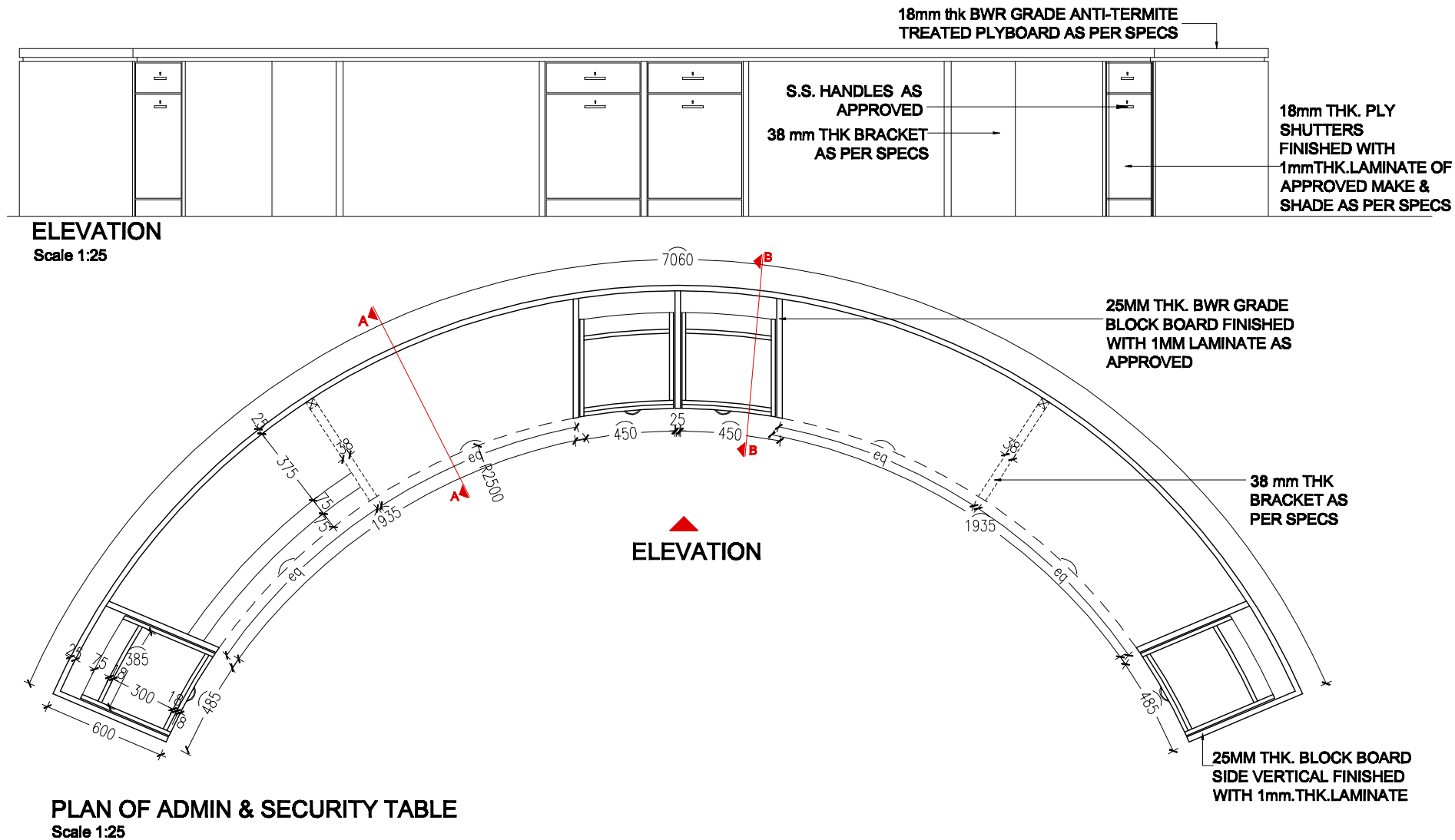
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LECTURES HALLS - IITM PUNE**

DESIGN PHASE  
stage T- Tender Drawing

DETAIL FOR LOW HEIGHT STORAGE			
SCALE AS SHOWN	FORMAT A3	DRAWN BY Rathna	CAD FILE AR-001-IITM-FU-04
DRAWING NUMBER AR-001-IITM-FU-06			
DATE OF FIRST ISSUE 25.08.11	REFERENCE DRAWING NUMBER GAP *****	DATE OF REVISION -	REVISION -



REV.	MODIFICATION	DATE



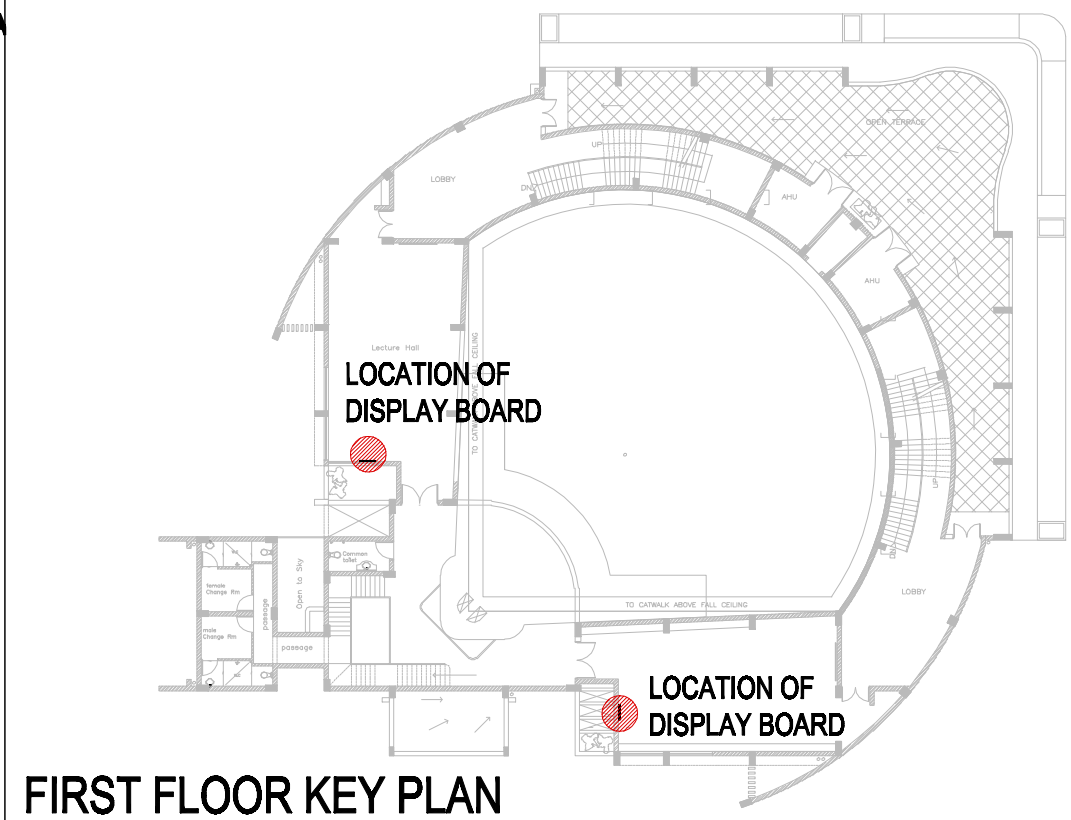
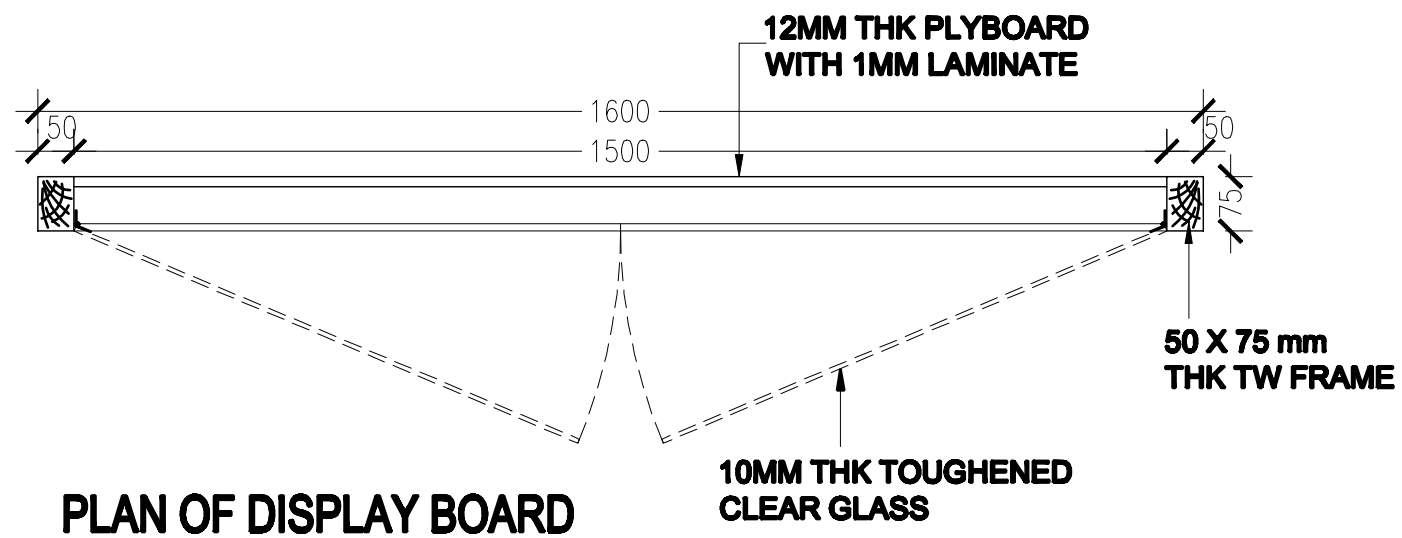
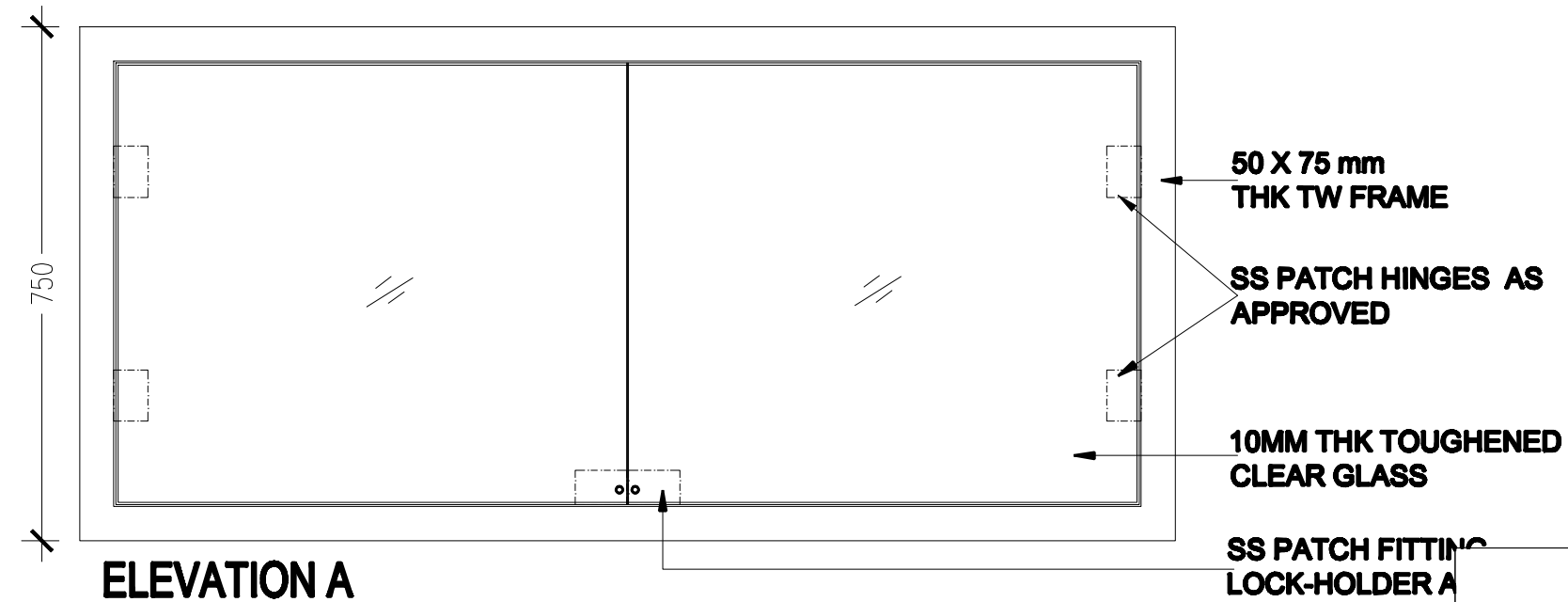
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PROPOSED COMPLEX FOR CONFERENCE AND  
LECTURES HALLS - IITM PUNE

DESIGN PHASE  
stage T- Tender Drawing

DRAWING TITLE			
DETAIL FOR ADMIN & SECURITY TABLE			
SCALE	FORMAT	DRAWN BY	CAD FILE
AS SHOWN	A3	Rathna	AR-001-IITM-FU-04
DRAWING NUMBER			
AR-001-IITM-FU-09			
DATE OF FIRST ISSUE	REFERENCE DRAWING NUMBER GAP	DATE OF REVISION	REVISION
25.08.11	*****	-	-



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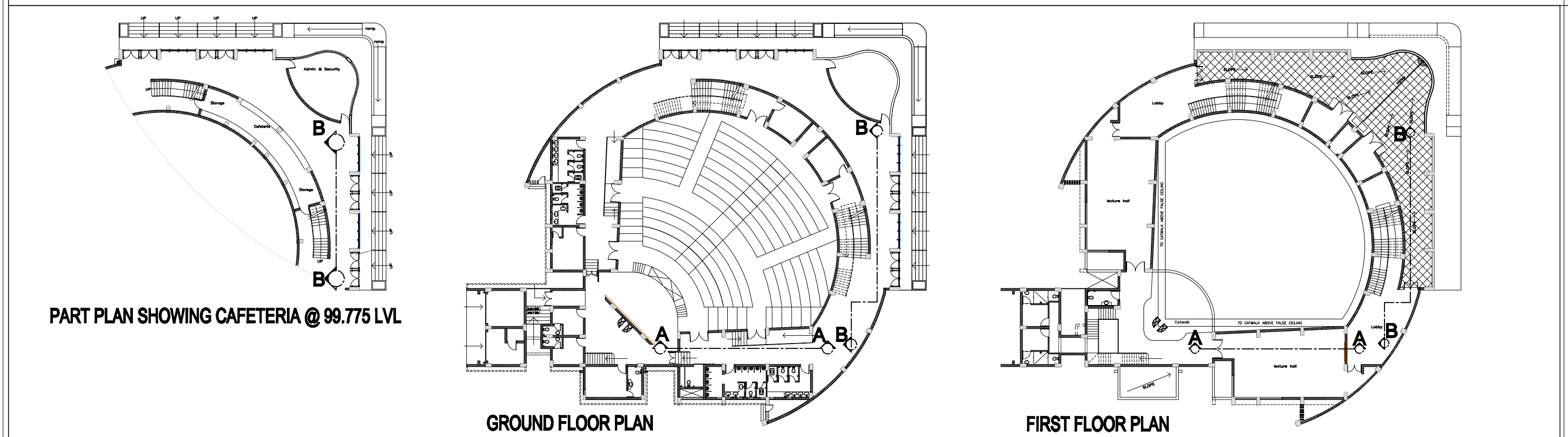
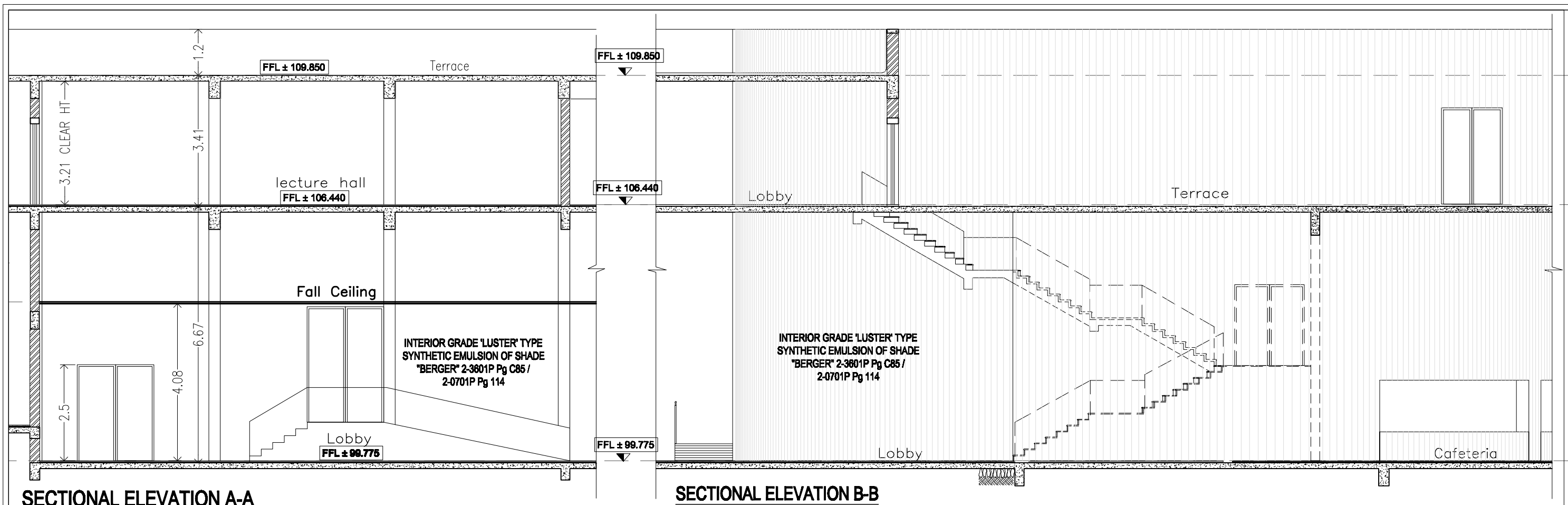


**PROPOSED COMPLEX FOR CONFERENCE AND LECTURES HALLS - IITM PUNE**

DESIGN PHASE  
stage T- Tender Drawing

DRAWING TITLE			
Display board detail			
SCALE	FORMAT	DRAWN BY	CAD FILE
1:10	A3	Rathna	AR-001-IITM-FU-04
DRAWING NUMBER			
AR-001-IITM-FU-10			
DATE OF FIRST ISSUE	REFERENCE DRAWING NUMBER GAP	DATE OF REVISION	REVISION
25.08.11	*****	-	-





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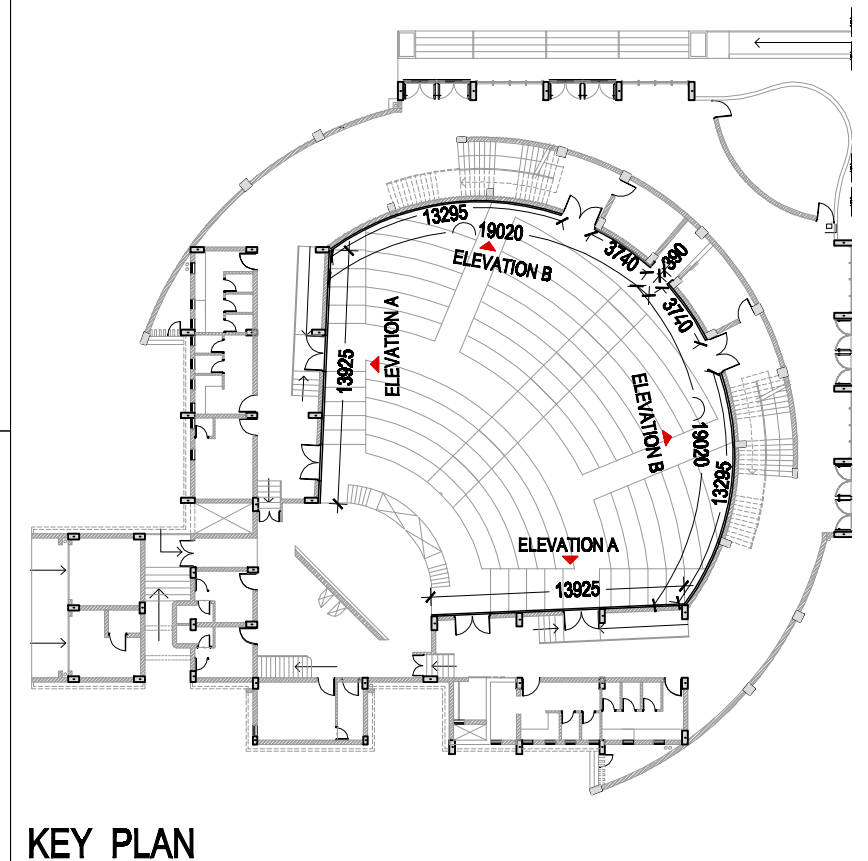
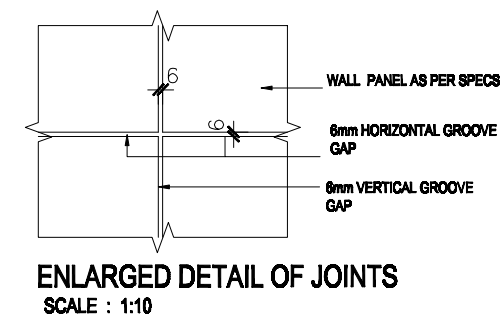
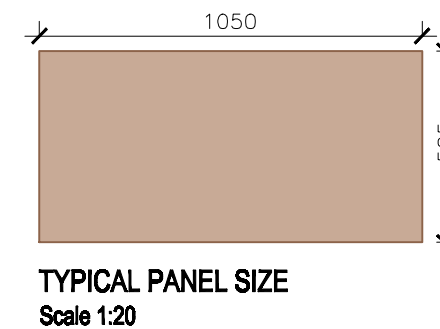
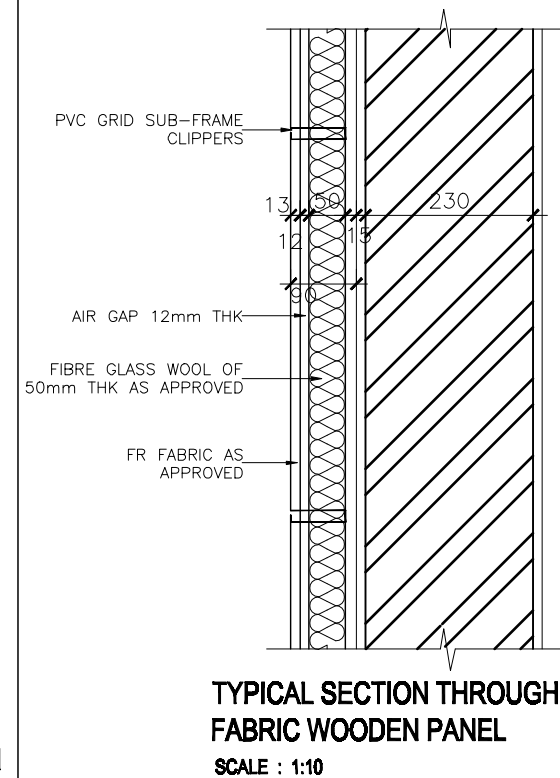
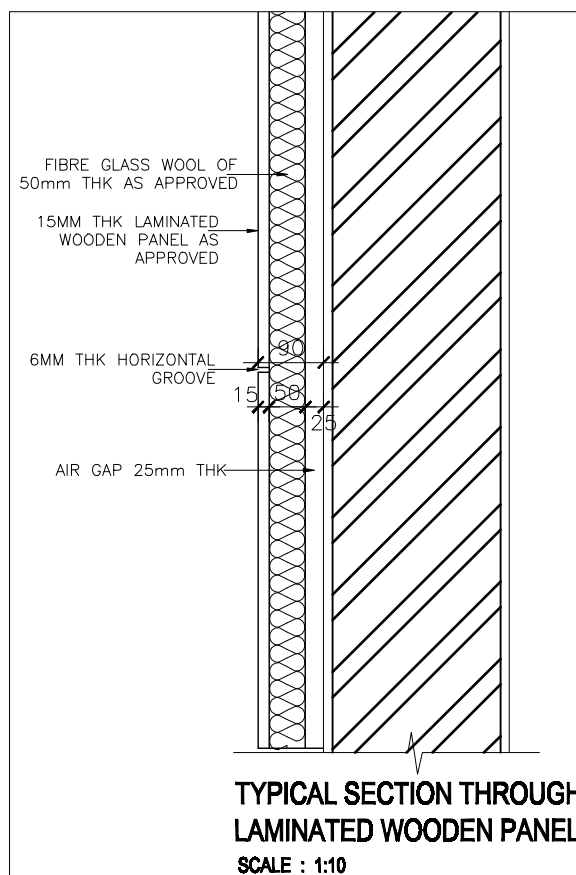
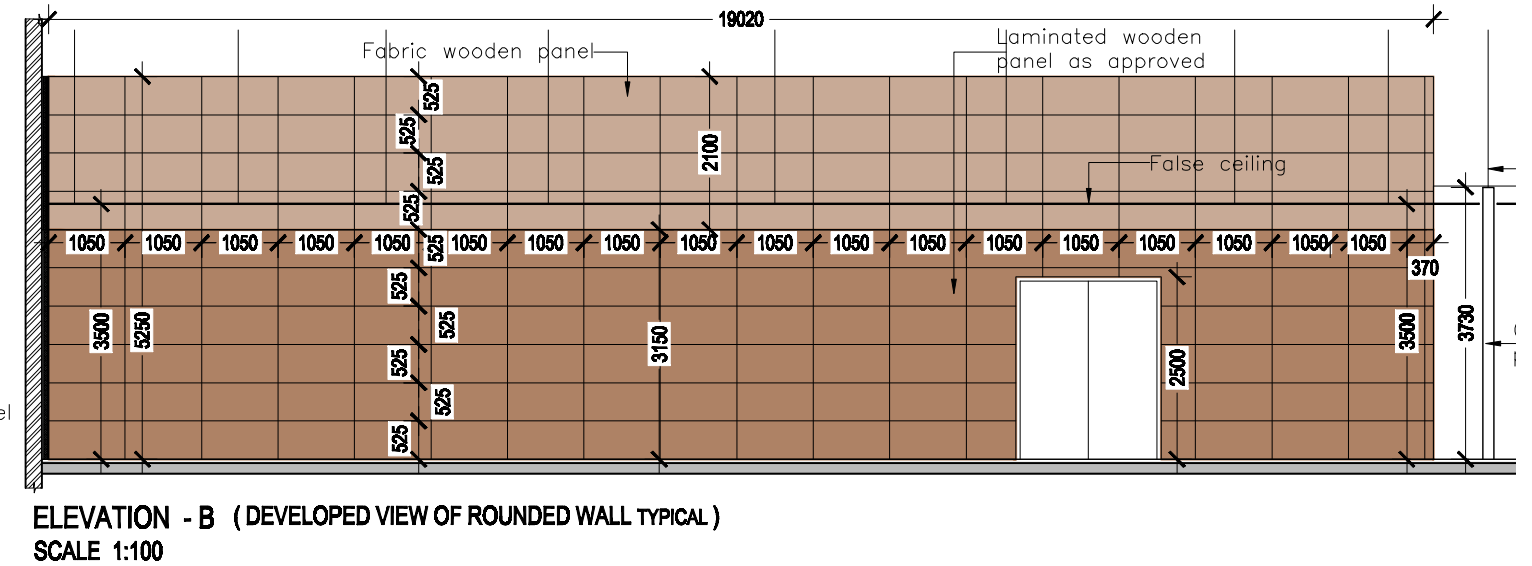
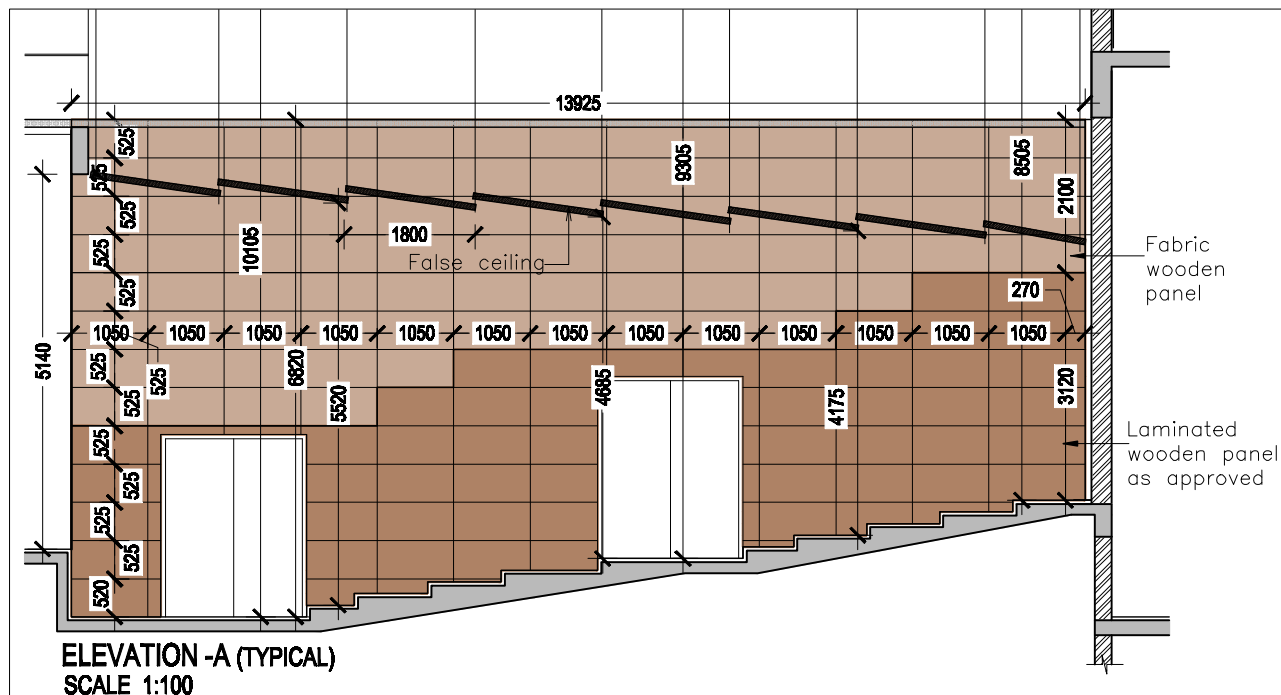


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DESIGN PHASE  
stage T- Tender Drawing

DRAWING TITLE			
SECTIONAL ELEVATIONS			
SCALE	FORMAT	DRAWN BY	CAD FILE
AS SHOWN	A3	Rathna	AR-001-ITM-SEC-00
DRAWING NUMBER			
AR-001-ITM-SEC_01			
DATE OF FIRST ISSUE	REFERENCE DRAWING NUMBER GAP	DATE OF REVISION	REVISION
24.06.11	*****	-	-



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### stage T- Tender Drawing

DRAWING TITLE			
WALL PANELLING DETAILS FOR AUDITORIUM WALLS			
SCALE	FORMAT	DRAWN BY	CAD FILE
As shown	A3	Rathna	AR-001-ITM-
DRAWING NUMBER			
AR-001-ITM-WP-01			
DATE OF FIRST ISSUE	REFERENCE DRAWING NUMBER (UP)	DATE OF REVISION	REVISION
25.08.11	*****	-	-



<b>Client</b>	IITM	<b>INTERIOR TENDER DRAWING LIST</b>
<b>Project</b>	IITM - PUNE	
<b>Job No.</b>		
<b>S.NO.</b>	<b>DRAWING NO</b>	<b>DRAWINGS</b>
<b>FLOOR PLANS</b>		
1	AR-001-IITM-FP-01	GROUND FLOOR PLAN
2	AR-001-IITM-FP-02	FIRST FLOOR PLAN
3	AR-001-IITM-FP-03	BASEMENT FLOOR PLAN
<b>FLOORING LAYOUT</b>		
4	AR-001-IITM-FL-01	BASEMENT FLOOR-FLOORING LAYOUT
5	AR-001-IITM-FL-02	GROUND FLOOR-FLOORING LAYOUT
6	AR-001-IITM-FL-03	FIRST FLOOR-FLOORING LAYOUT
<b>FALSE CEILING LAYOUT</b>		
7	AR-001-IITM-FC-01	BASEMENT FALSE CEILING LAYOUT
8	AR-001-IITM-FC-02	GROUND FALSE CEILING LAYOUT
9	AR-001-IITM-FC-03	FIRST FALSE CEILING LAYOUT
<b>WALL PANELLING</b>		
10	AR-001-IITM-WP-01	WALL PANELLING DETAILS FOR AUDITORIUM WALLS
<b>FURNITURE DETAIL</b>		
11	AR-001-IITM-FU-01	GROUND FLOOR-FURNITURE LAYOUT
12	AR-001-IITM-FU-02	CAFETERIA FURNITURE LAYOUT & FURNITURE DETAILS
13	AR-001-IITM-FU-03	FIRST FLOOR-FURNITURE LAYOUT
14	AR-001-IITM-FU-04	RECTANGULAR CENTRE TABLE DETAIL
15	AR-001-IITM-FU-05	CIRCULAR CENTRE TABLE DETAIL
16	AR-001-IITM-FU-06	DETAIL FOR DRESSING TABLE
17	AR-001-IITM-FU-07	DETAIL FOR ACTIVITY / EXHIBITION TABLE
18	AR-001-IITM-FU-08	DETAIL FOR LOW HEIGHT STORAGE
19	AR-001-IITM-FU-09	DETAIL FOR ADMIN & SECURITY TABLE
20	AR-001-IITM-FU-10	DISPLAY BOARD DETAIL
<b>SECTIONS</b>		
21	AR-001-IITM-SEC_01	SECTIONAL ELEVATIONS