

INDIAN INSTITUTE OF SCIENCE EDUCATION & RESEARCH (IISER) TIRUPATI

(An Autonomous Institution of the Ministry of HRD, Govt. of India)

Transit Campus at Sree Rama Engineering College Building,

Karakambadi Road, Mangalam (B.O), Tirupati - 517 507

+91 0877 2500 400

www.iisertirupati.ac.in

Name of work

: Construction of UG Block with associated services at IISER Tirupati, Andhra Pradesh.

&Location

NIT NUMBER

2/ IISER/TIRUPATI/2018-19

Date of Issue : 08.02.19

MINUTES OF PRE-BID MEETING

Pre bid Meeting Held at Office of ISER TIRUPATI on 07 02 2019 at 11.00hrs

IISER TRUPATI	Representatives of bidders
1. PV Narayana Rao , SE IISER Tirupati	As per attendance sheet maintained at IISER Tirupati.
2. George Srujan, EE IISER Tirupati	
3. Gaurav Dixit, Architect Consultant	

Pre bid Meeting for the above work was held at 11 00 hrs on 07 02 2019 at IISER TIRUPATI in the presence of representative of the intending bidders. The original tender document, terms and conditions uploaded on website shall stands modified to the extent of modifications defined in this MOM & this MOM shall form part of bid document. Bidders are requested to take note of modifications & submit their bids considering the modifications listed in the MOM and terms and other terms and conditions in the bid document. Soft copies of MOM are uploaded on https://eprocure.gov.in/eprocure/app & IISER Tirupati website. The following points raised by the intending applicants were discussed and clarified to the representatives of the intending bidders by IISER Tirupati during the pre bid meeting.

Sr No	Ref. to NIT / BOQ	Points Discussed	Query	IISER Tirupati Clarification
1	NIT Clause 2 a	The applicant should be a well-established and reputed	Our firm is a company well established and	
		civil ngineering / building contractor of long standing	registered as a separate entity since 2008. We have	No change in NIT caluses.
		experience and capability in the construction of	completed various similar kinds of works since then	
		sophisticated building in RCC framed structure projects	for which we have valid TDS certificates that can be	
		fulfilling following requirement will be eligible to apply.	provided for due verification.	
		Work executed for private body will be considered only if	Also we are satisfying all the NIT Requirements for	
		contractor/ firm produces tax deduction at source	Qualifying the Tender PQ	
		certificate.		
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2	NIT Clause 2 b	Should have experience of having successfully completed works during the last seven years ending previous day of the last date of submission of tenders (i) 3 similar works each costing not less than Rs. 6 crore or completed two similar works each costing not less than Rs of 9 crore or completed one similar work costing not less than Rs 12 crore. and ii) One similar work of (either part of (i) above or a separate one) costing not less than Rs 6 Cr value with some Central/State Government/Central Autonomous Body/Central Public Sector Undertaking.	where as the workdone is more than specified in Clause 2.b of NIT but work is not yet completed, we	Pleser ref to relevent clasue and confirm your self for fulfuilment of clause requirement.
3	NIT Clause 3	Experience on similar type of completed works executed eduring the last seven years	We are also experienced in HVAC works, but not executed in the Similar nature of works, we request you to consider HVAC experience from any of the work even though the work is not of similar in nature	No change in stiupated clauses.
4	NIT Clause 3.2	departments (CPWD, State PWDs, MES, Railways, PSUs etc)/ Organizations, class / type of registration or T previous pre- qualification(s) for similar projects. stl	We are not Registered in any of the mentioned Specified departments but we are qualified for IIT Firupati (CPWD) C/o Transit Campus Tirupati Construction Tender with our vast experience in similar works and like wise we were awarded with the Contract and completed the Scope of works to 85% (Please refer the Work Order & Work Done Certificate.	Please refer to NIT clauses for



5	NIT section I, Criteria for eligibility of associated agencies page 22 A	A Electrical Installations works Contractors who are enlisted in the Class-I category or Specialized firms who have carried out at least 3 (Three) works of similar nature in their own name in a sophisticated building during the last 7 (seven) years ending previous day of the last date of submission of tenders. The works execution aggregate turnover shall not be less than Rs 1 crores in the past 5 (Five) years	We have more than enough experience in electrical scope of works as specified but we are not enlisted in Class - I and we have a stabilized and well established In house Electrical team with Valid electrical liscences so we are not willing to Sub let the Electrical scope of works so we request you to provide the execption for this clause.	Please refer to NIT clauses for eligibility criteria. No changes.
6	NIT 10.1 , b)	Bid Security/EMD of Rs 25 Lakhs	Is there any possiblities to submit EMD 100% in the form of Bank Guarantee?	Accepted as per GFR rules.
7	GCC Clause 7	Interim Paymnet	Is there any possiblities to give interim payment ?	As per Schedule Clause 7
8	GCC Clause 10 B (ii)	Mobilization Advance of 10% Contract value	Is any possible to get 10% mobilization in one payment.	No change in stipulated clasue
9	GCC Clause 10 B (iv)	Payment of Mobilization advance taken	Whether it is any possiblities to recover Mobilization in pro rate basis?	No change in stipulated caluse.
10	Site Infra		Can we dig bore well inside the campus for water supply?	NO. Please refer to SCC 1.11.3.
11	Site Infra		Whether electricity is supplyed by client?	Refer to SCC 1.11.2. Subject to availability.
12	Security Deposit		Whether Security deposit can be released against Bank Guarantee?	please refer to relevent GCC.
13	BOQ item 1.1	Earth Work	Does the earthwork rate includes shoring?	Please ref to BOQ item and its technical specifications.
14		Li Control de la	Whether MEP contactor details to be submitted with tender or after the award of work?	please submit as sought far.



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15	BOQ Civil item 4.4	Exposed Formwork:Providing, fabricating, erecting and	Repetitions are specifies as 2 for exposed formwork.	As per manufacturers specifications if
		fixing in position designed approved brand formwork	Is this applicable to the Peri, Doka etc?	standard forms are used. In case site specific
		system using 18mm thick plastic coated shuttering		forms are used it is for 2 repetetions. Not
		plywood PERI make or equivalent, shuttering giving fair		withstanding to repetetions criteria, the out
		finish concrete surfaces, making leak proof joints, using		put of product is given major emphasis to
		required couplers, tie bolts, M.S. ties, concrete spacer		achieve desired finish. If Engineer in charge is
		wheels or SS spacers, providing openings/ cut-outs/		of opinion, the finish is not achievable with
		pockets, niches, grooves etc.;		available materials, material needs to be
				changed with new one.
			Polymer grout is given for tie-rod holes of the	
			formwork in the detailes specification of the item.	Nothing shall be paid separately.
			Will this be paid separately?	
			, ,	
16	NIT SECTION II page	Percentage rate tender and contract for works: Tender	Time period given in schedule is 20 months. As the	P/ 48 para 2 of NIT section II , 20 months
	48 para 2	Form	period of completion is 6 months , this may be	mentioned in schedue may Plese be read as
			corrected.	6 months .
17	BOQ Civil item 4.7	Providing and laying in position machine batched and	No minimum cement content mentioned. Will we be	NAID compart content shall be as you!
	& 4.8	machine mixed design mix M-30 grade cement concrete	paid for cement above the minimum cement content	Min cement content shall be as per IS. Nothing extra is payable.
		for reinforced cement concrete work, using cement	as per IS code?	Nothing extra is payable.
		content as per approved design mix,including pumping of	as per 13 code:	
		concrete to site of laying but excluding the cost of		
		centering, shuttering, finishing and reinforcement,		
		including admixtures in recommended proportions as per		
		IS: 9103 to accelerate, retard setting of concrete, improve		
		workability without impairing strength and durability as		
		per direction of Engineer-in-Charge OPC shall be used		
		with Fly ash content of 15% and fly ash conforming to IS		
		3812 (Part 1) only to be used. Note:- Soft water shall be		
		used for Concrete having pH 7 to 7.5 All work upto plinth		
		level		
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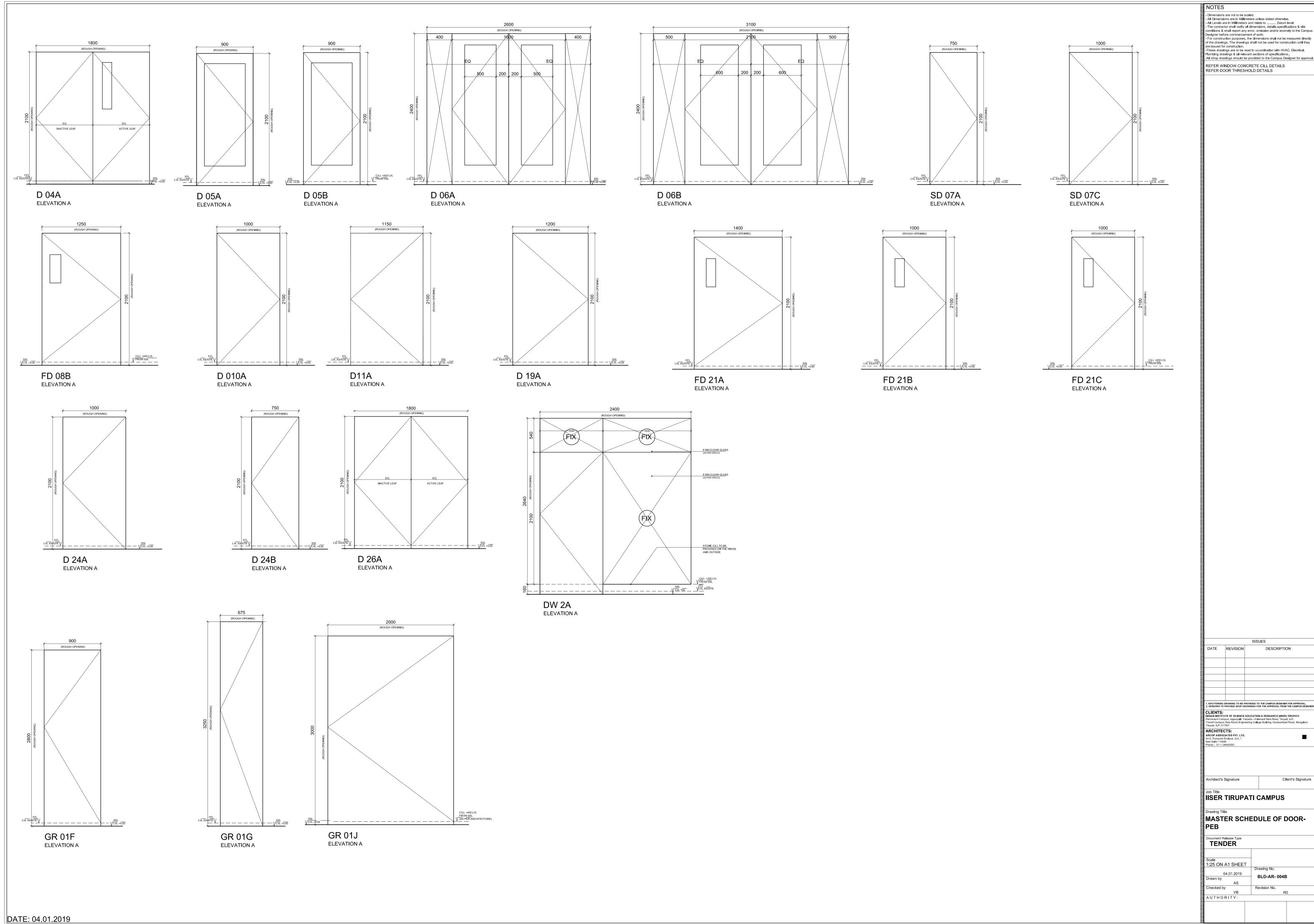


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18	BOQ Civil item 6.0	Providing and laying flamed finish Granite stone in Please provide the basic rate for Granite.	Rs 150/sqft.
		required design and patterns, in linear as well as	
		curvilinear portions of the building all complete as per the	
		architectural drawings with 18 mm thick stone slab over	
		20 mm (average) thick base of cement mortar 1:4 (1	
		cement : 4coarse sand) laid and jointed with cement	
		slurry and pointing with white cement slurry admixed with	
		pigment of matching shade including rubbing, curing and	
		polishing etc. all complete as specified and as directed by	
		the Engineer-in-Charge : Flamed finish granite stone slab	
		Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent	
19	BOQ Civil Item 8.6,	Providing and fixing of Hollow metal Rail & Stile doors There are various joinery codes mentioned for the	Corresponding Tender Drawings are attached
	8.7, 8.8	made of pressed galvanized steel confirming to IS 277 items along with codes such as D4A, SD7A, etc. But	with this document.
		with the following specification. Doors shall be with vision there are no GFC drawings issued as per the BOQ	
		glass and louver as a part of complete assembly, item mentioned.	
		Approved manufacturers.	
		Rate should include supply and installation of door and	
		hardware as a complete assembly as given in the	
		schedule. Once frame installed should be filled with fire	
		rated PUF as recommended by the manufacturer or the	
		Engineer in charge	



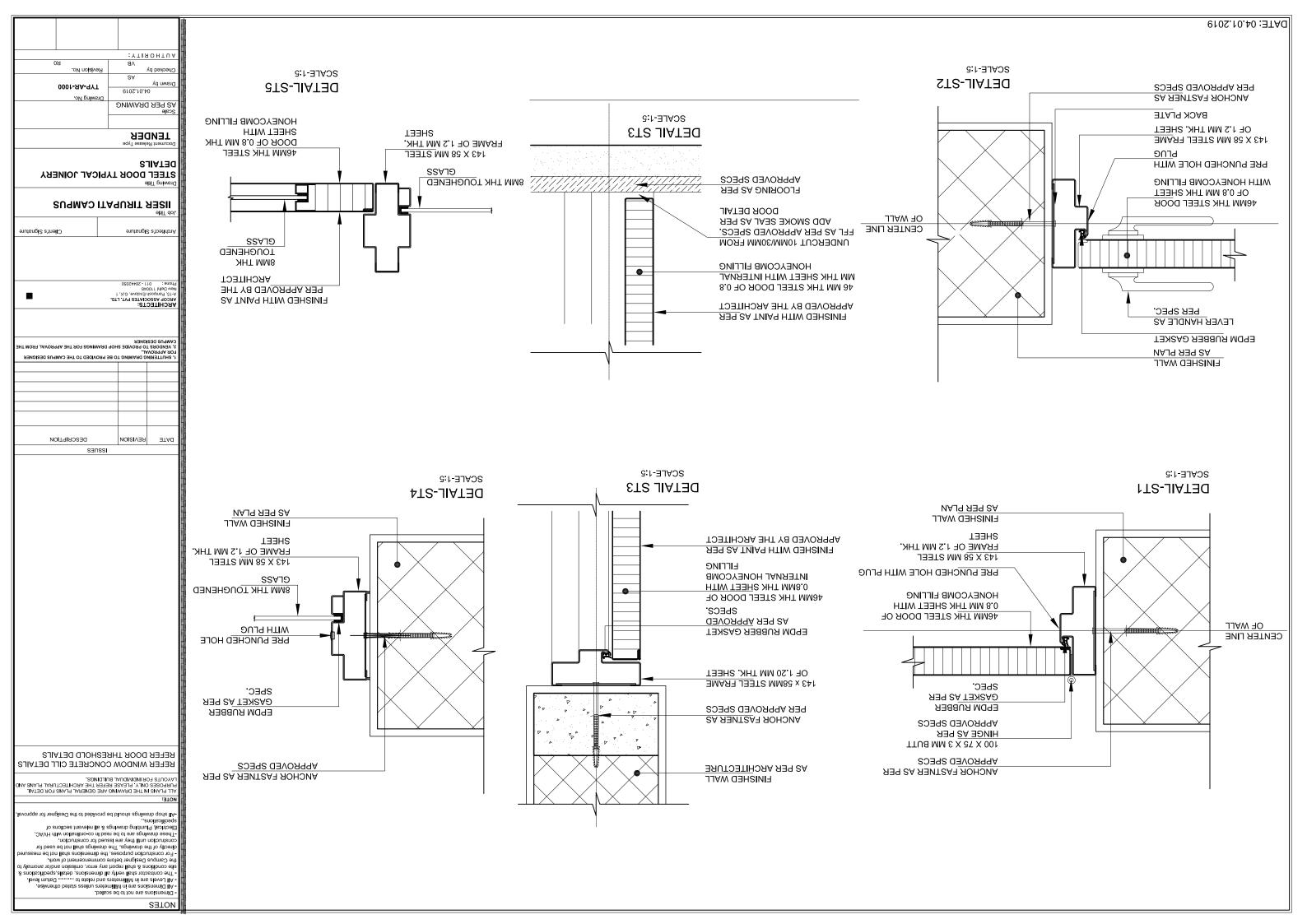
20	BOQ Civil item 11.13	Providing and fixing toilet cubical systems of approved equivalent make and manufactured in standard dimensions of 600mm ± 10mm width door size with 12mm thick solid Compact Laminate panels made of KRAFT paper impregnated with Phenolic resins under high pressure and temperature, including doors, pilasters & intermediate panels, which should be resistant to heat, bacteria, water, chemical, scratch and impact. Finished	No changes. Measurement of Item will be as per BOQ.
		product should be as per approved texture, shade & drawing, detailing and developed according to IS-2046 and BS-476/97 standards. The toilet cubicle setup shall include necessary hardware fittings, made out of stainless steel (Grade-304), as per manufacturer's specifications and approved by Engineer-in-Charge	
21	BOQ Civil item 14.1.1 14.1.2	Providing and fixing aluminium work for doors, windows, what is Polyster powder coating for aluminium? Is it ventilators and partitions with any type of appropriate extruded aluminium sections of approved make conforming to IS: 733 and IS: 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required Silicon rubber/ neoprene gasket, GI tie rod, wool pile etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including adjustable angle cleat, Aluminium snap beading for glazing/ paneling, CP brass/ stainless steel screws, all complete as per approved shop drawings and the directions of Engineer-in-charge. For Fixed Portion Polyester powder coated aluminium (minimum thickness of polyester powder ccating 50 micron)	No. Please refer to standard CPWD specification.

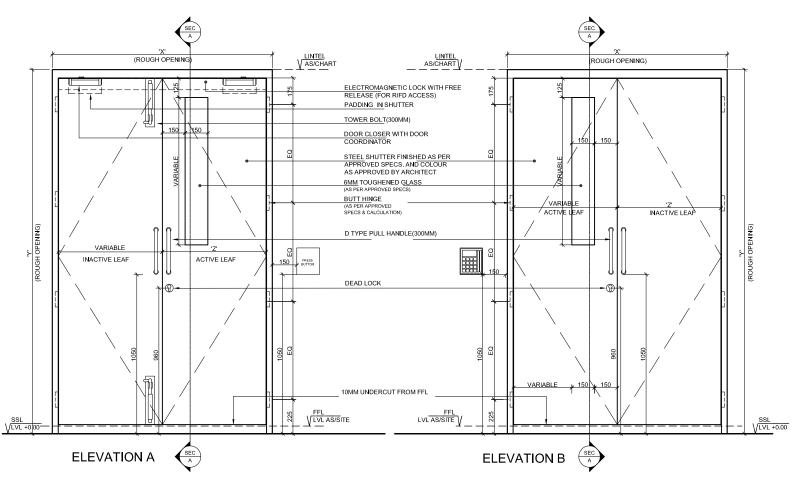
22	BOQ Civil item 14.2.1 14.2.2	Single Shutter Openable Door With/ without fixed Window	·	The item includes following components: DORMA 3090F or equivalent, 5 Knuckle, 2 bearing butt hinges size 4" x 3" x 3mm, in SS 304 and in satin stainless steel. As per EN 1935, CE Marked. Suitable for door weights upto 120kgs. Door Closure: DORMA or equivalent make rack and pinion door closer TS 71 EN size 3/4, with std. arm and with two independent closing valves and latching speed adjustable by arm. Full plastic cover. Silver finish. As per EN 1154. Buttt Hinge 90 Deg as per the drawings.
23		Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600 mm		Rs 100/Sqft.
24	HVAC BOQ	Approved makes of HVAC equipment	It is requesed to consider Bluestar as one of the approved makes.	Yes . Bluestar can be added.
25	Annexure II Plant Equipment required to be owned	RMC plant	Can Self-Loading concrete mixer used for concrete instead of fully automated batching plant as mentioned in the terms	No change in stipulation.
26	Material Grade		Grade for the steel conduit and pipes of plumbing to be used.	Grade of the pipes /conduits as per the DSR description and as approved by Engineer charge.
		End of M	10M- In total 7 pages.	10.0
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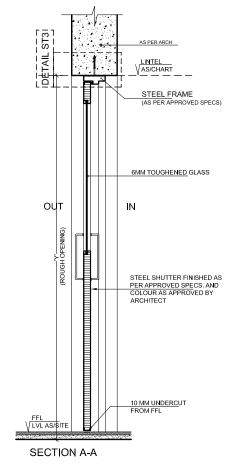


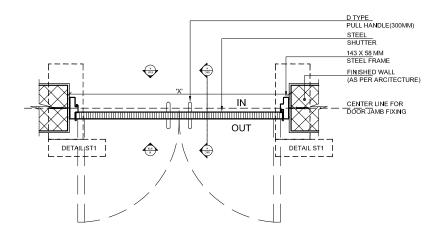
Client's Signature

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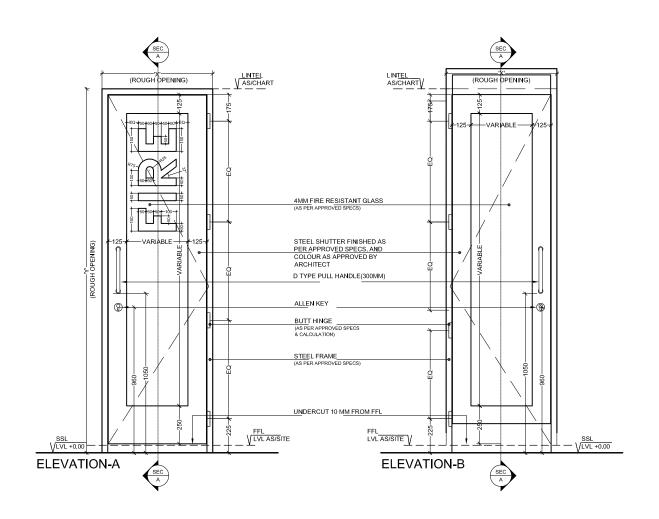


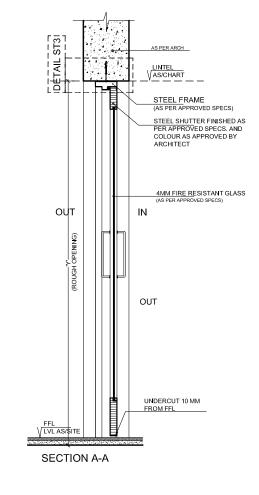


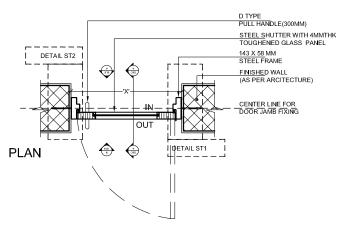


TYPICAL DOOR: D4
DOOR TAG: STEEL FLUSH DOOR
WITH VISION PANEL, DOUBLE LEAF

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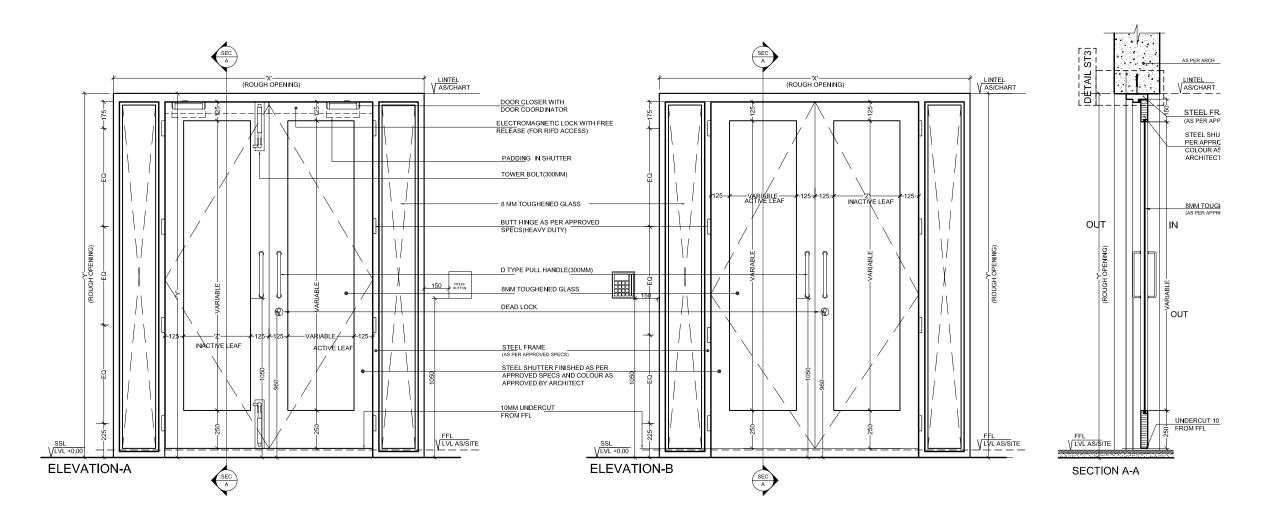


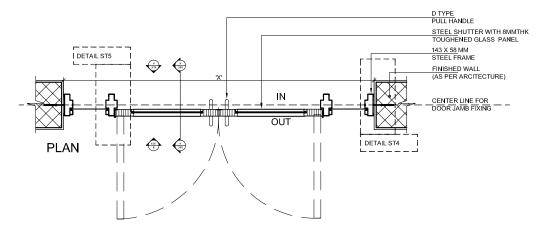




TYPICAL DOOR: D5
DOOR TAG: STEEL GLASS PANEL
DOOR, SINGLE LEAF

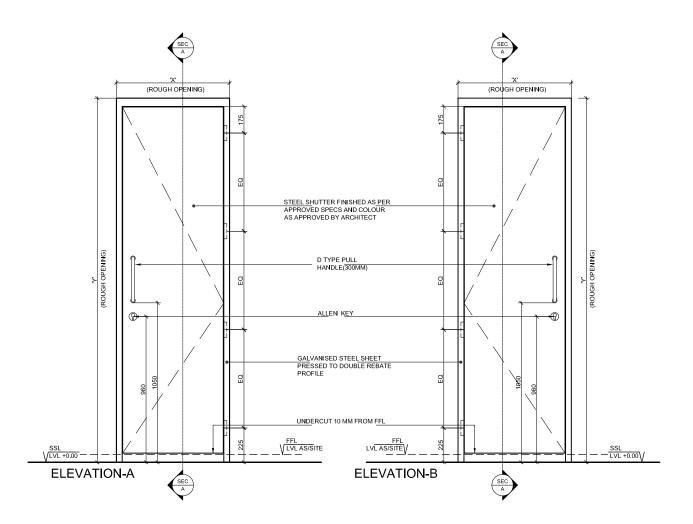
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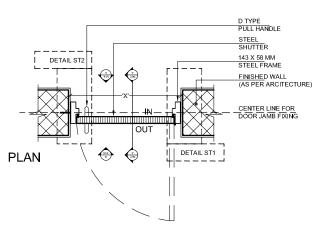


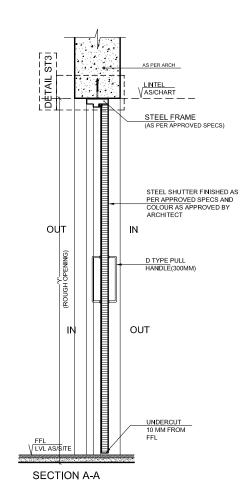


TYPICAL DOOR: D6
DOOR TAG: STEEL DOOR + VISION
PANEL - DOUBLE LEAF + FIXED PANEL

ı	NOTES	
	- Dimensions are not to be scaled.	
	- All Dimensions are in Millimeters unless stated otherwise. - All Levels are in Millimeters and relate to Datum leve	
	- The contractor shall verify all dimensions, details,specifications is the conditions & shall report any error, omission and/or anom	
	the Campus Designer before commencement of work.	
	For construction purposes, the dimensions shall not be mea directly of the drawings. The drawings shall not be used for	Suic
	construction until they are issued for construction. -These drawings are to be read in co-ordination with HVAC,	
	Electrical, Plumbing drawings & all relevant sections of specifications	
	-All shop drawings should be provided to the Designer for app	orova
	NOTE:	
	ALL PLANS IN THE DRAWING ARE GENERAL PLANS FOR DETAIL	
	PURPOSES ONLY. PLEASE REFER THE ARCHITECTURAL PLANS LAYOUTS FOR INDIVIDUAL BUILDINGS.	AIN
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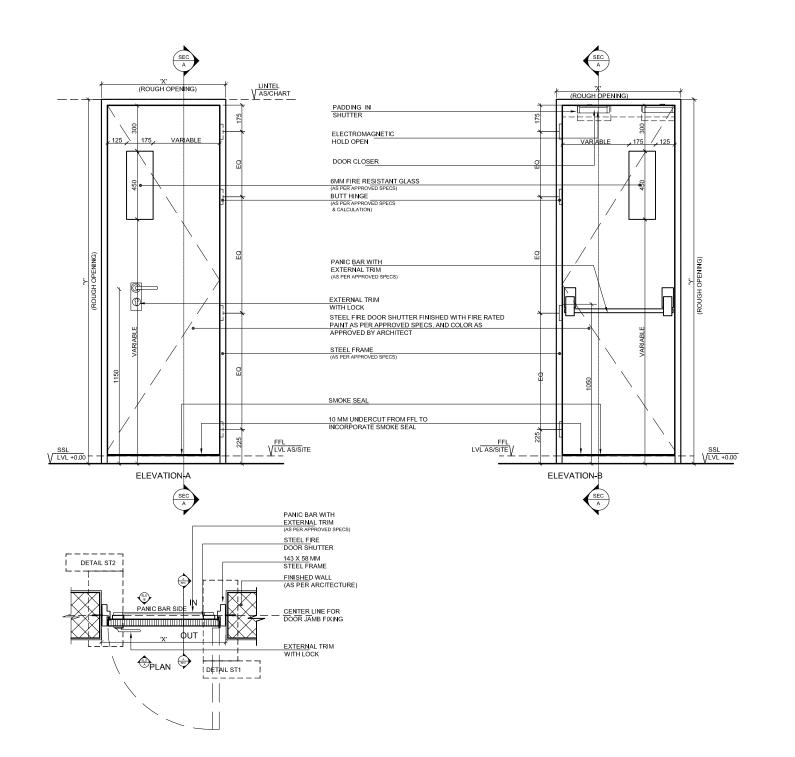


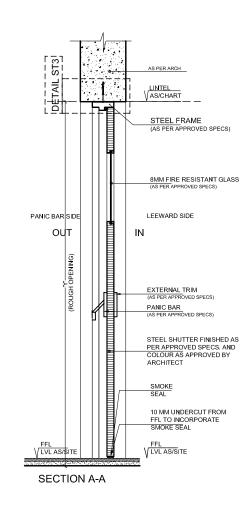




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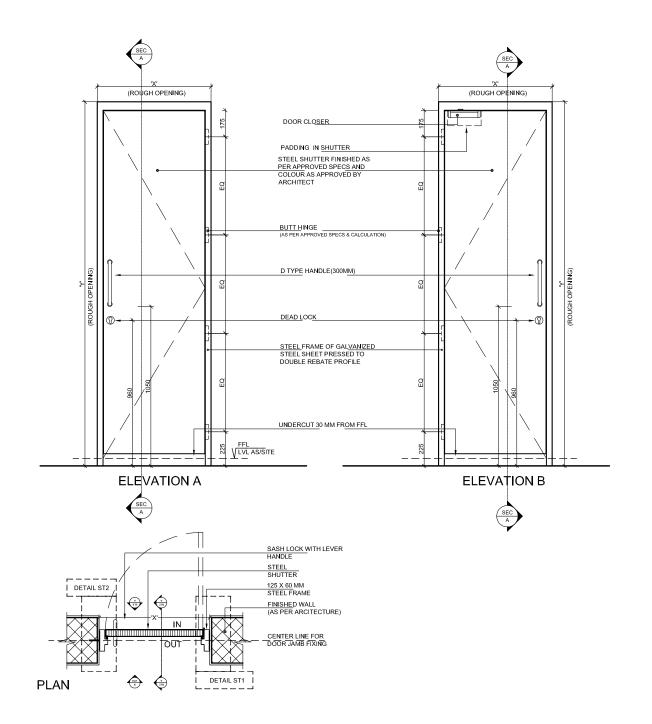
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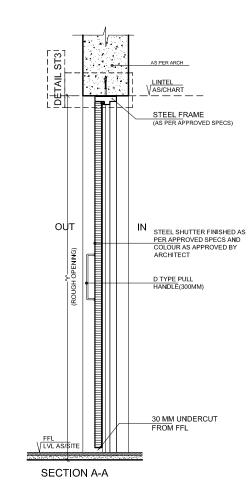




TYPICAL DOOR: D8
DOOR TAG: STEEL FIRE DOOR,
SINGLE LEAF FOR STAIRS AND
FIRE EXIT

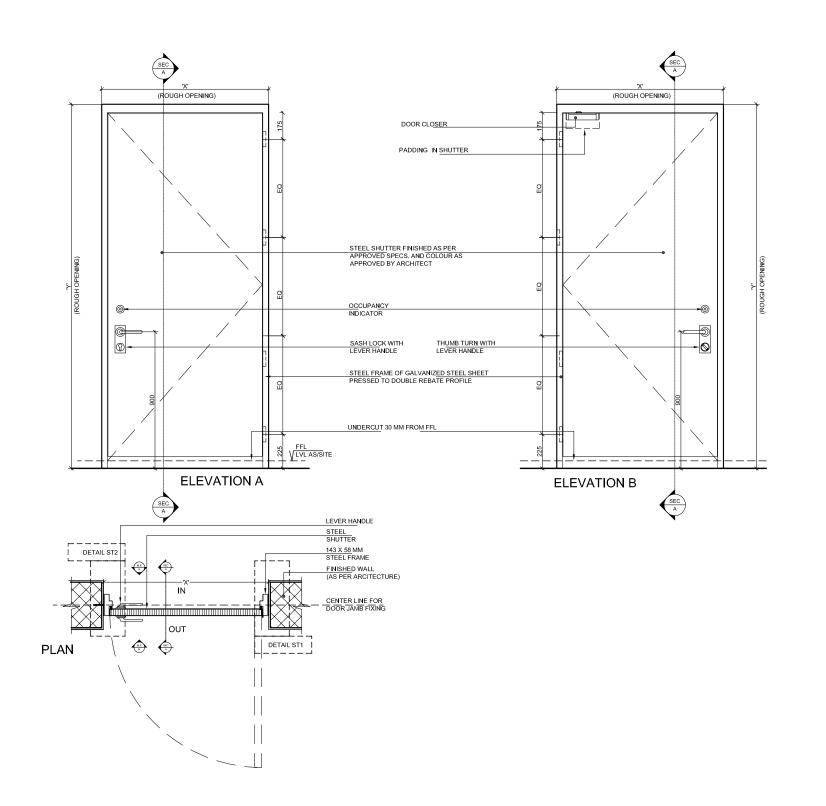
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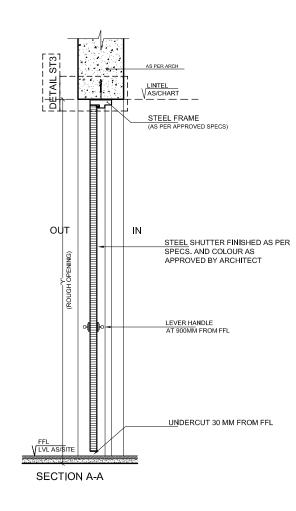




TYPICAL DOOR: D10
DOOR TAG: PUBLIC TOILET STEEL
DOOR, SINGLE LEAF

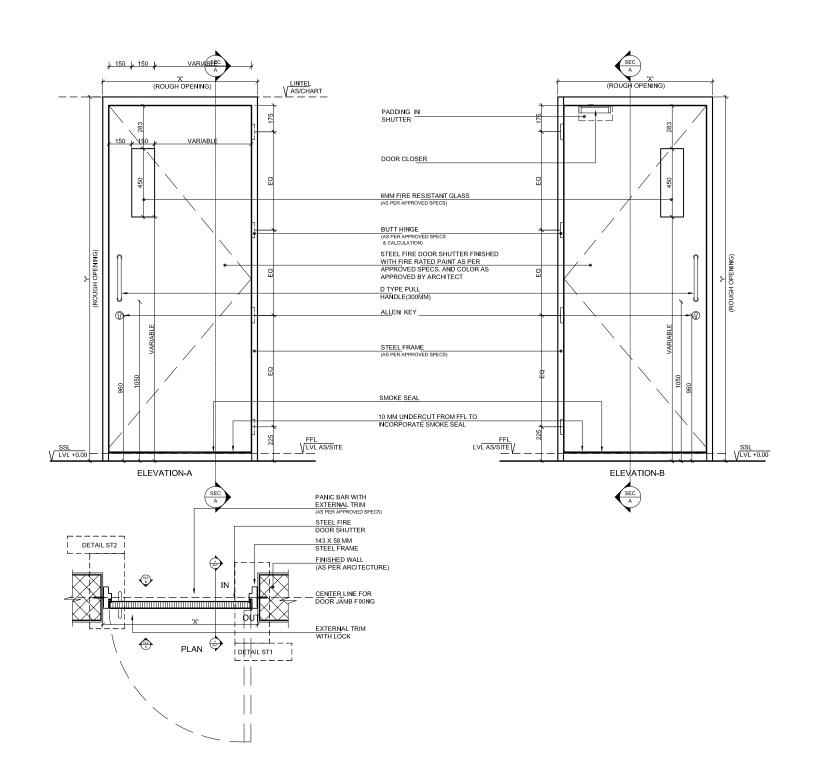
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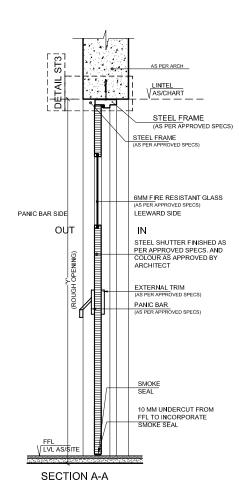




TYPICAL DOOR: D19
DOOR TAG: HANDICAPPED TOILET
STEEL DOOR, SINGLE LEAF

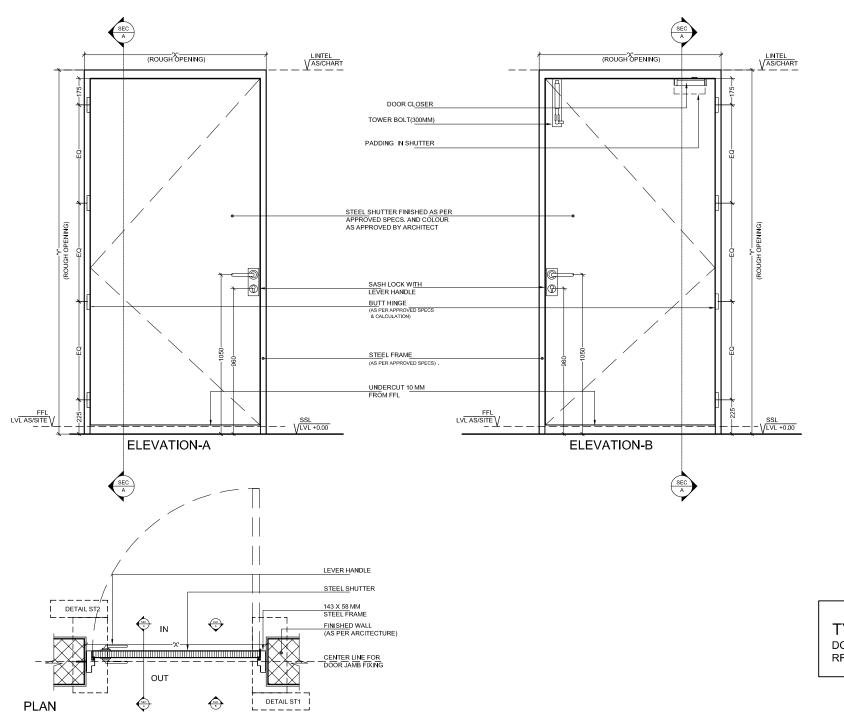
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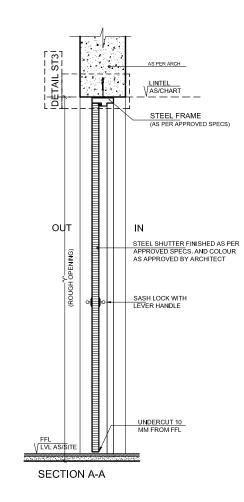




TYPICAL DOOR: FD21 DOOR TAG: STEEL FIRE DOOR, SINGLE LEAF FOR SERVICES

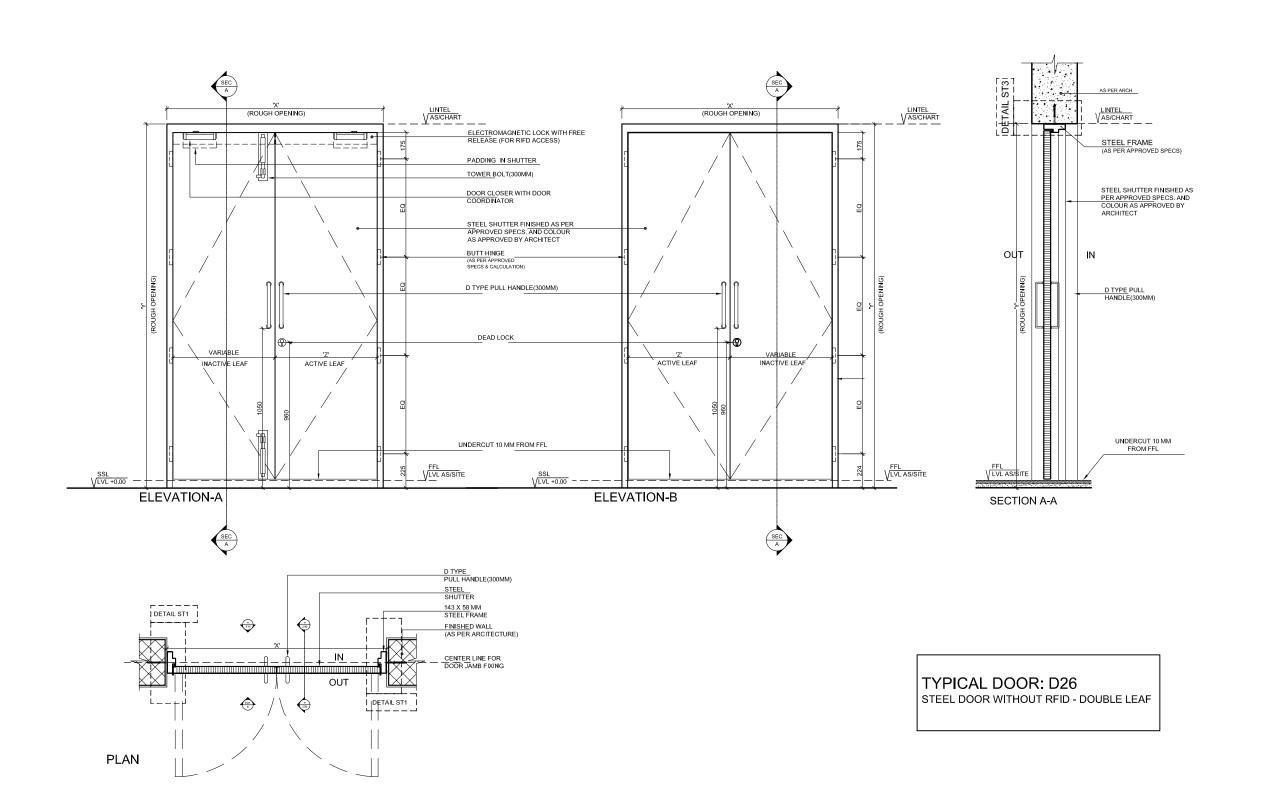
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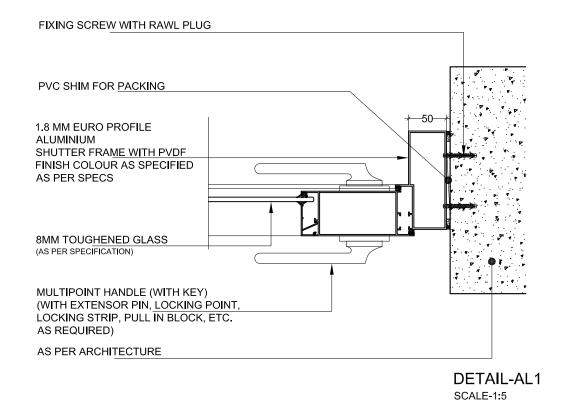


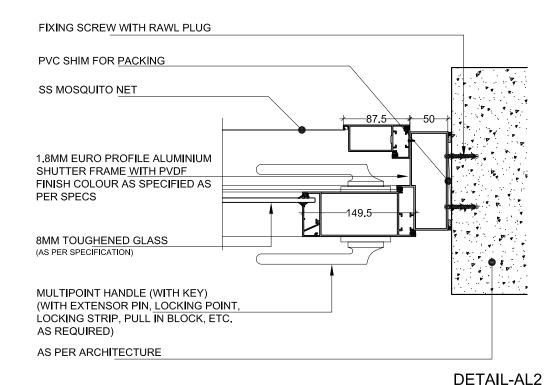
TYPICAL DOOR: D24
DOOR TAG: STEEL DOOR WITHOUT
RFID, SINGLE LEAF

NOTES ALL PLANS IN THE DRAWING ARE GENERAL PLANS FOR DETAIL PURPOSES ONLY. PLEASE REFER THE ARCHITECTURAL PLANS AND LAYOUTS FOR INDIVIDUAL BUILDINGS. REFER WINDOW CONCRETE CILL DETAILS REFER DOOR THRESHOLD DETAILS ISSUES REVISION I. SHUTTERING DRAWING TO BE PROVIDED TO THE CAMPUS DESIGNER FOR APPROVAL. 2. VENDORS TO PROVIDE SHOP DRAWINGS FOR THE APPROVAL FROM TI CAMPUS DESIGNER CLIENTS: INDIAN INSTITUTE OF SCIENCE EDUCATION & RESEARCH (ISER) TIRUPAT Permanent Campus; Jaganpalli, Yerpedu - Kalahasti Main Road, Thupati, A.P. Transit Campus: Sree Rama Engineering Cotlege Building, Karakambadi Road, Mangalam, Trupati, A.P. 517507 ARCHITECTS: ARCOP ASSOCIATES PVT. LTD. A-15, Pamposh Enclave, G.K. 1 New Delhi 110048 Phone: 011 - 26442050 Architect's Signature Client's Signature **IISER TIRUPATI CAMPUS** TYPICAL STEEL DOOR & HARDWARE DETAIL FOR DOOR TYPE D24 AND VARIATIONS TENDER AS PER DRAWING Checked by AUTHORITY:



NOTES ALL PLANS IN THE DRAWING ARE GENERAL PLANS FOR DETAIL PURPOSES ONLY, PLEASE REFER THE ARCHITECTURAL PLANS AND LAYOUTS FOR INDIVIDUAL BUILDINGS. REFER WINDOW CONCRETE CILL DETAILS REFER DOOR THRESHOLD DETAILS ISSUES REVISION I. SHUTTERING DRAWING TO BE PROVIDED TO THE CAMPUS DESIGNER FOR APPROVAL. 2. VENDORS TO PROVIDE SHOP DRAWINGS FOR THE APPROVAL FROM TI CAMPUS DESIGNER CLIENTS:
INDIAN INSTITUTE OF SCIENCE EDUCATION & RESEARCH (ISER) TIRUPAT
Permanent Campus; Jaganpalli, Yerpedu - Kalahasti Main Road, Thupati, A.P.
Transit Campus: Sree Rama Engineering Cotlege Building, Karakambadi Road,
Mangalam, Trupati, A.P. 517507 ARCHITECTS: ARCOP ASSOCIATES PVT. LTD. A-15, Pamposh Enclave, G.K. 1 New Delhi 110048 Phone: 011 - 26442050 Architect's Signature Client's Signature **IISER TIRUPATI CAMPUS** TYPICAL STEEL DOOR & HARDWARE DETAIL FOR DOOR TYPE D26 AND VARIATIONS TENDER AS PER DRAWING Checked by AUTHORITY:

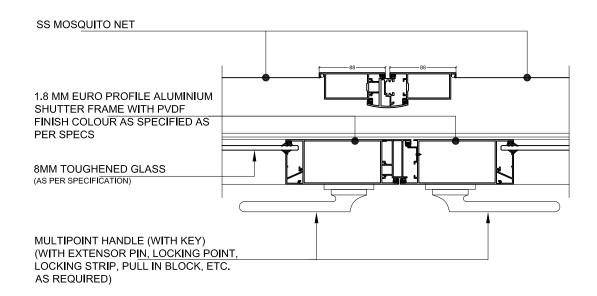




1.8MM EURO PROFILE ALUMINIUM
SHUTTER FRAME WITH PVDF
FINISH COLOUR AS SPECIFIED AS
PER SPECS

8MM TOUGHENED GLASS
(AS PER SPECIFICATION)

MULTIPOINT HANDLE (WITH KEY)
(WITH EXTENSOR PIN, LOCKING POINT,
LOCKING STRIP, PULL IN BLOCK, ETC.
AS REQUIRED)



DETAIL-AL3 SCALE-1:5 DETAIL-AL4 SCALE-1:5

SCALE-1:5

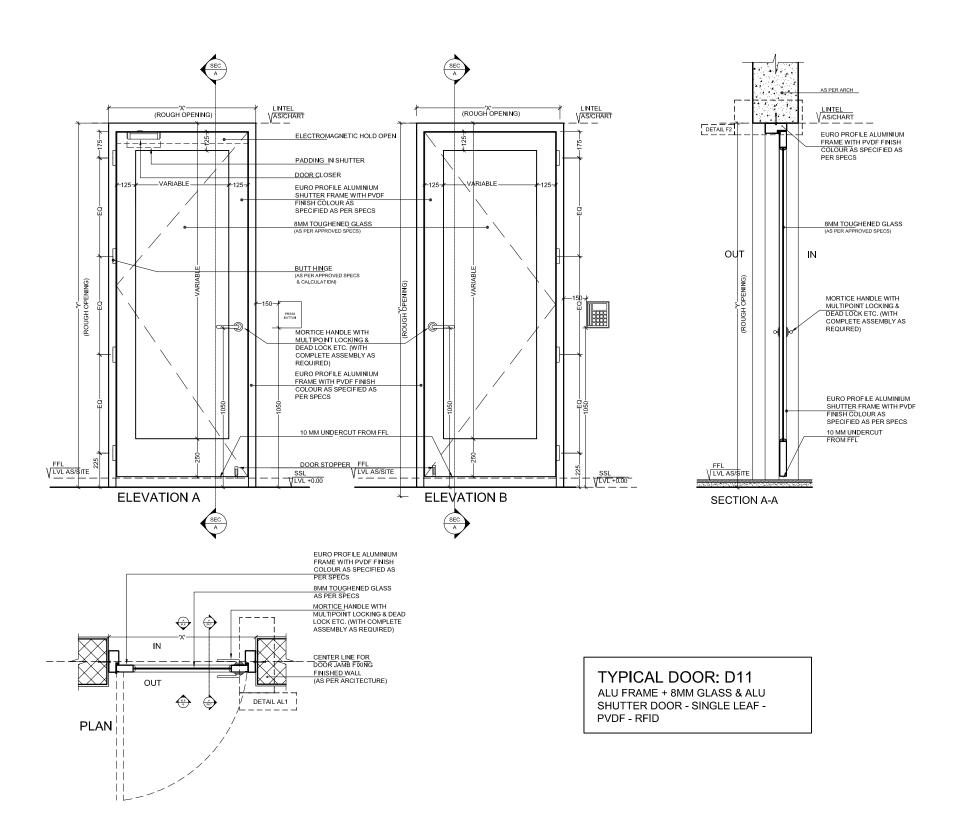
All shop drawings should be provided to the Designer for approv ULE PLANS IN THE DRAWING ARE GENERAL PLANS FOR DETAIL URPOSES ONLY, PLEASE REFER THE ARCHITECTURAL PLANS AND AYOUTS FOR INDIVIDUAL BUILDINGS. REFER WINDOW CONCRETE CILL DETAILS REFER DOOR THRESHOLD DETAILS ISSUES REVISION DESCRIPTION VENDORS TO PROVIDE SHOP DRAWINGS FOR THE APPROVAL FROM TH MPUS DESIGNER CLIENTS: NOIAN INSTITUTE OF SCIENCE EDUCATION & RESEARCH (IISER) TIRUPAT Permanent Campus, Jaganpali, Yerpedu - Kalahasti Main Road, Tirupati, A.P. Transit Campus; Sree Rama Engineering College Building, Karakambadi Road, Mangalam, Tirupati, A.P. 517507 ARCHITECTS: ARCOP ASSOCIATES PVT. LTD. Archltect's Signature Client's Signature **IISER TIRUPATI CAMPUS** ALUMINUM DOORS TYPICAL JOINERY DETAIL TENDER AS PER DRAWING

04.01.2019

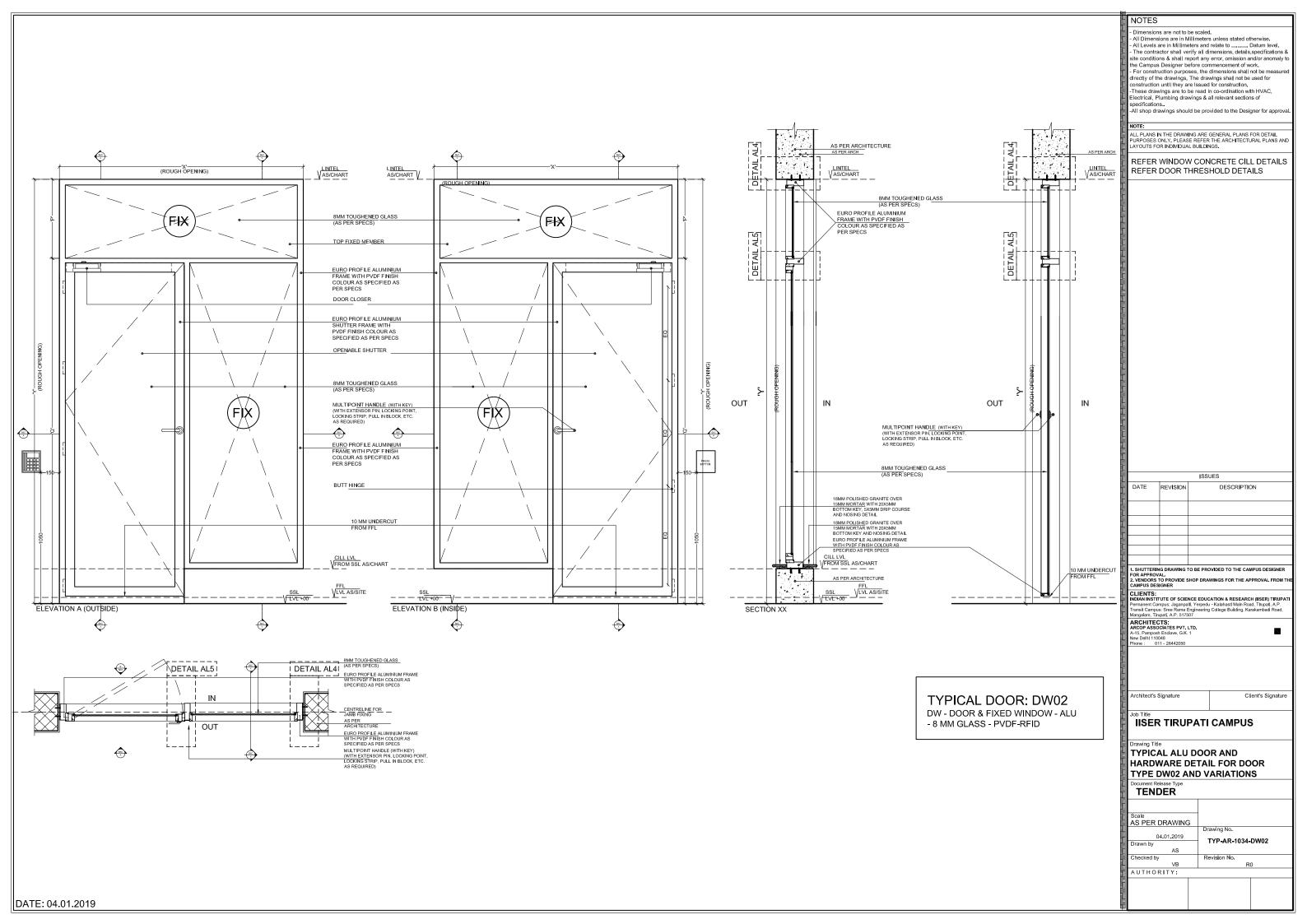
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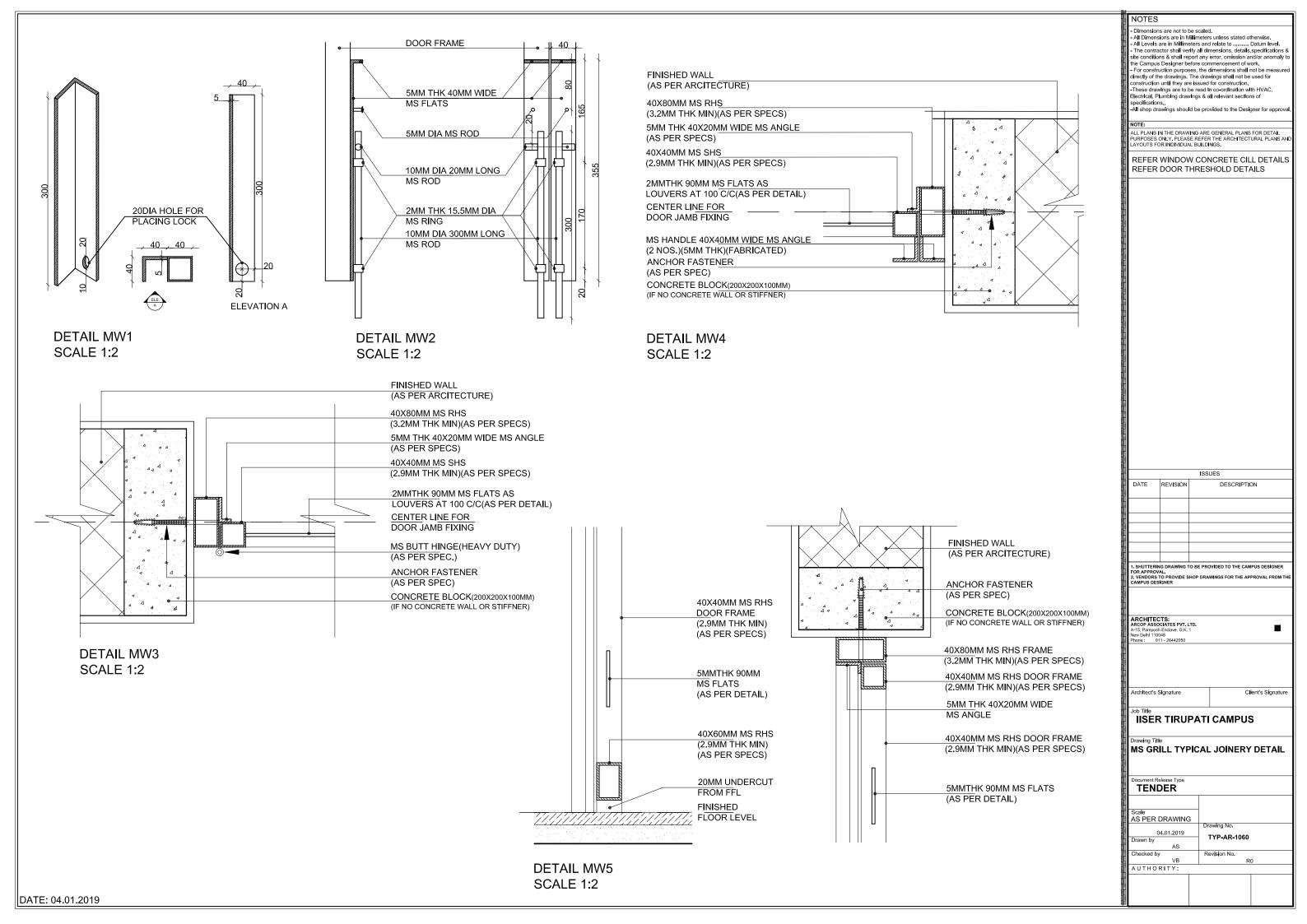
AUTHORITY

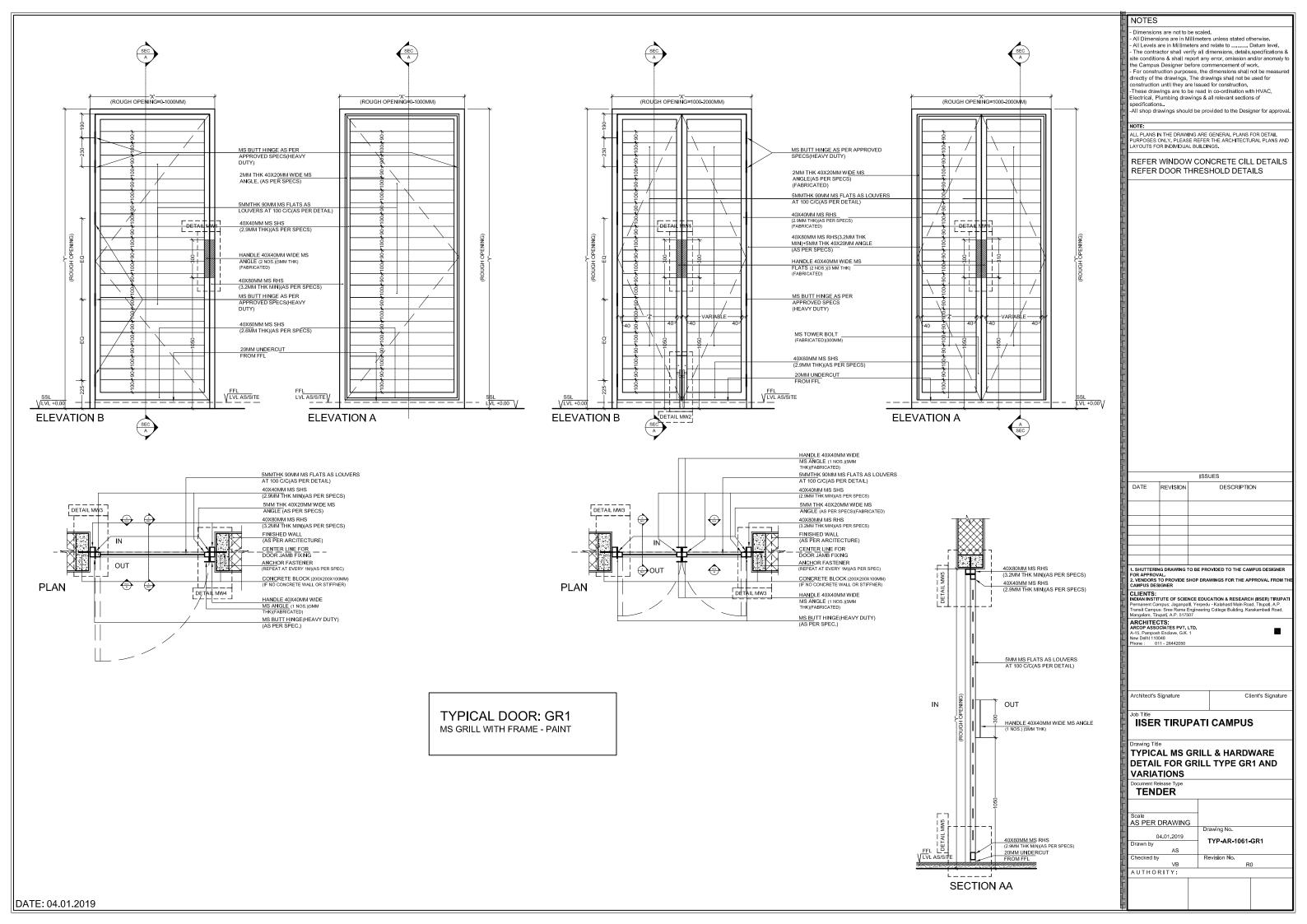
TYP-AR-1030

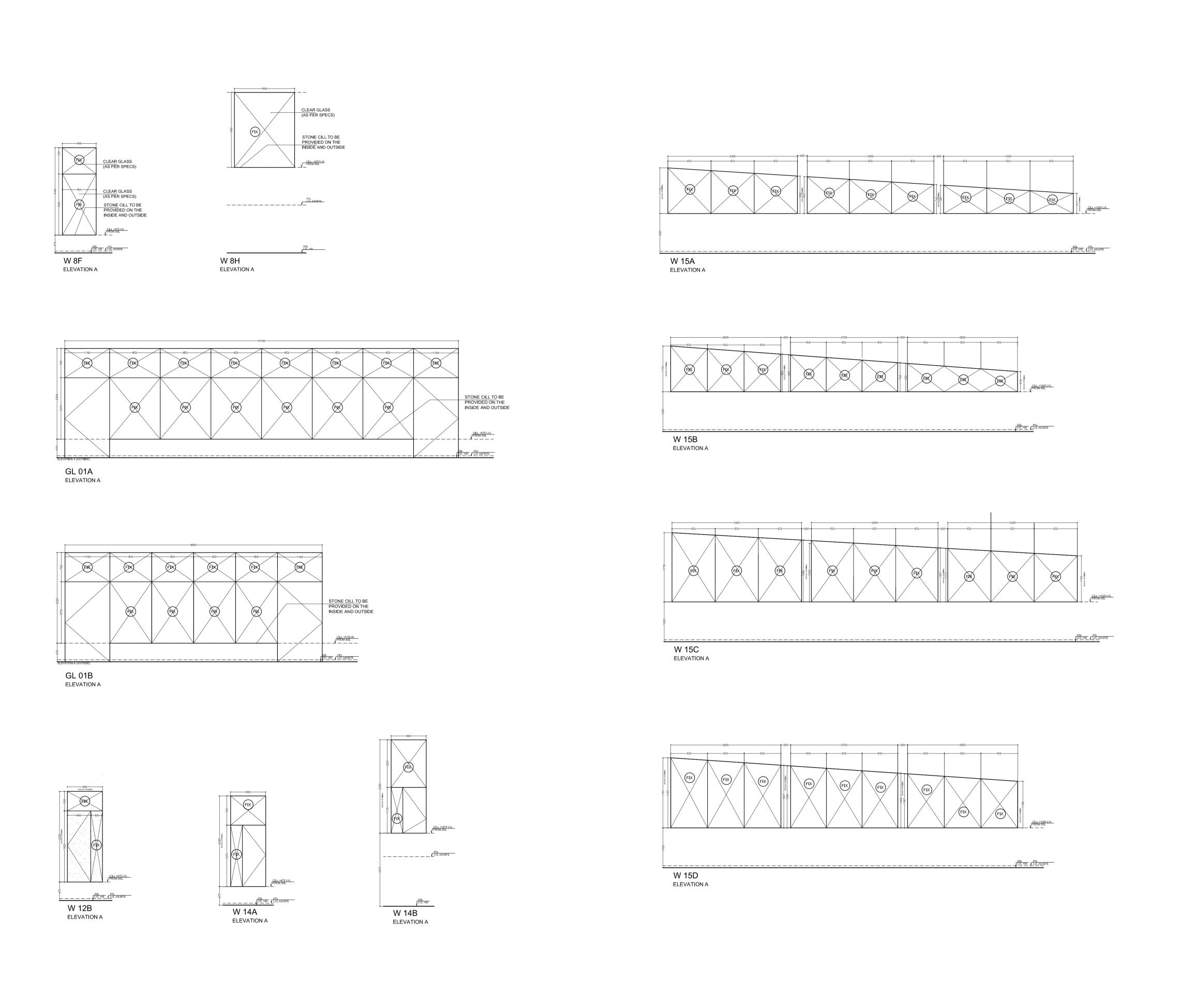


NOTES specifications.. All shop drawings should be provided to the Designer for appro ALL PLANS IN THE DRAWING ARE GENERAL PLANS FOR DETAIL PURPOSES ONLY, PLEASE REFER THE ARCHITECTURAL PLANS AND LAYOUTS FOR INDIVIDUAL BUILDINGS. REFER WINDOW CONCRETE CILL DETAILS REFER DOOR THRESHOLD DETAILS ISSUES I. SHUTTERING DRAWING TO BE PROVIDED TO THE CAMPUS DESIGNER FOR APPROVAL. 2. VENDORS TO PROVIDE SHOP DRAWINGS FOR THE APPROVAL FROM TI CAMPUS DESIGNER CLIENTS: INDIAN INSTITUTE OF SCIENCE EDUCATION & RESEARCH (IISER) TIRUPAT ARCHITECTS: ARCOP ASSOCIATES PVT. LTD. A-15, Pamposh Enclave, G.K. 1 New Delhi 110048 Phone: 011 - 26442050 Architect's Signature Client's Signature **IISER TIRUPATI CAMPUS** TYPICAL ALU DOOR AND HARDWARE DETAIL FOR DOOR TYPE D11 AND VARIATIONS **TENDER** AS PER DRAWING Checked by AUTHORITY:









ISSUES DATE REVISION DESCRIPTION . SHUTTERING DRAWING TO BE PROVIDED TO THE CAMPUS DESIGNER FOR APPROVAL. . VENDORS TO PROVIDE SHOP DRAWINGS FOR THE APPROVAL FROM THE CAMPUS DESIG CLIENTS:
INDIAN INSTITUTE OF SCIENCE EDUCATION & RESEARCH (ISER) TIRUPATI
Permanent Campus: Jaganpalli, Yerpedu - Kalahasti Main Road, Tirupati, A.P.
Transik Campus: Sree Rama Engineering College Building, Karakambadi Road, Mangalam,
Tirupati, A.P. 517507

ARCHITECTS:
ARCOP ASSOCIATES PVI. LTD.
A-15, Pamposh Endave, G.K. 1
New Delhi 110048
Phone: 011 - 26442050 Architect's Signature Client's Signature IISER TIRUPATI CAMPUS Drawing Title

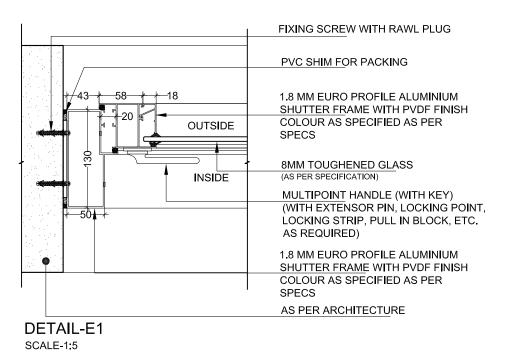
MASTER SCHEDULE OF WINDOW-PEB Document Release Type **TENDER** 1:50 ON A1 SHEET 04.01.2019 BLD-AR- 005B AUTHORITY:

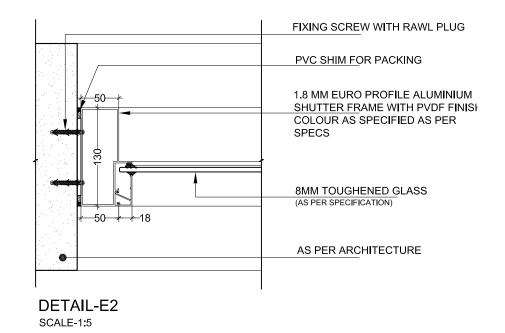
REFER WINDOW CONCRETE CILL DETAILS REFER DOOR THRESHOLD DETAILS

FOR 8MM GLASS

SCALE-1:5

SCALE-1:5





1.8 MM EURO PROFILE ALUMINIUM SHUTTER FRAME WITH PVDF FINISH COLOUR AS SPECIFIED AS PER SPECS 1.8 MM EURO PROFILE ALUMINIUM SHUTTER FRAME WITH PVDF FINISH COLOUR AS SPECIFIED AS PER **SPECS** 8MM TOUGHENED GLASS (AS PER SPECIFICATION)

INSIDE OUTSIDE

DETAIL-E4

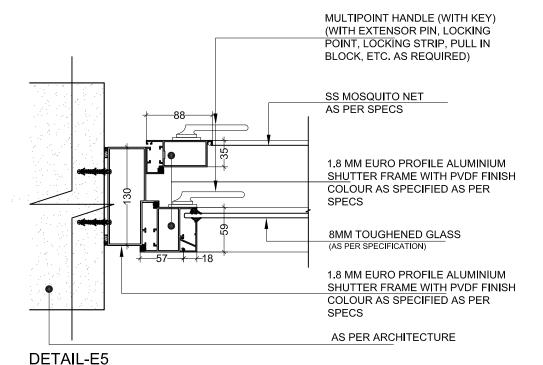
SCALE-1:5

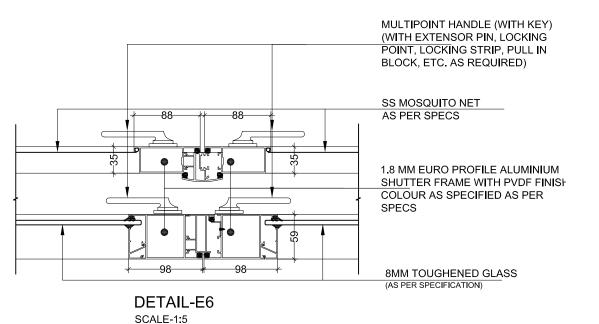
MULTIPOINT HANDLE (WITH KEY) (WITH EXTENSOR PIN, LOCKING POINT, LOCKING STRIP, PULL IN BLOCK, ETC. AS REQUIRED)

1.8 MM EURO PROFILE ALUMINIUM SHUTTER FRAME WITH PVDF FINISH COLOUR AS SPECIFIED AS PER SPECS

8MM TOUGHENED GLASS (AS PER SPECIFICATION)

DETAIL-E3





ISSUES REVISION DESCRIPTION TTERING DRAWING TO BE PROVIDED TO THE CAMPUS DESIGNER VENDORS TO PROVIDE SHOP DRAWINGS FOR THE APPROVAL FROM TI MPUS DESIGNER ARCHITECTS: .ILEN 1'S:
JUAN INSTITUTE OF SCIENCE EDUCATION & RESEARCH (IISER) TIRUPA'
rmanent Campus: Jaganpalli, Yerpedu - Kalahasti Maln Road, Tirupati, A.P.
ansit Campus: Sree Rama Engiheering College Buliding, Karakambadi Road,
ngalam, Tirupak, A.P. 517507. Architect's Signature Client's Signature **IISER TIRUPATI CAMPUS** ALUMINIUM WINDOW TYPICAL JOINERY DETAILS **TENDER** AS PER DRAWING 04.01.2019 TYP-AR-1100 VB R0 AUTHORITY

NOTES

Dimensions are not to be scaled.
All Dimensions are in Millimeters unless stated otherwise.
All Levels are in Millimeters and relate to Datum level.
The contractor shall verify all dimensions, details, specifications &

- In econtractor shall verby all unemstons, details, specifications & site conditions & shall report any error, omission and/or anomaly to the Campus Designer before commencement of work.
- For construction purposes, the dimensions shall not be measured directly of the drawings. The drawings shall not be used for construction until they are issued for construction. These drawings are to be read in co-ordination with HVAC, Electrical, Plumbing drawings & all relevant sections of specifications.

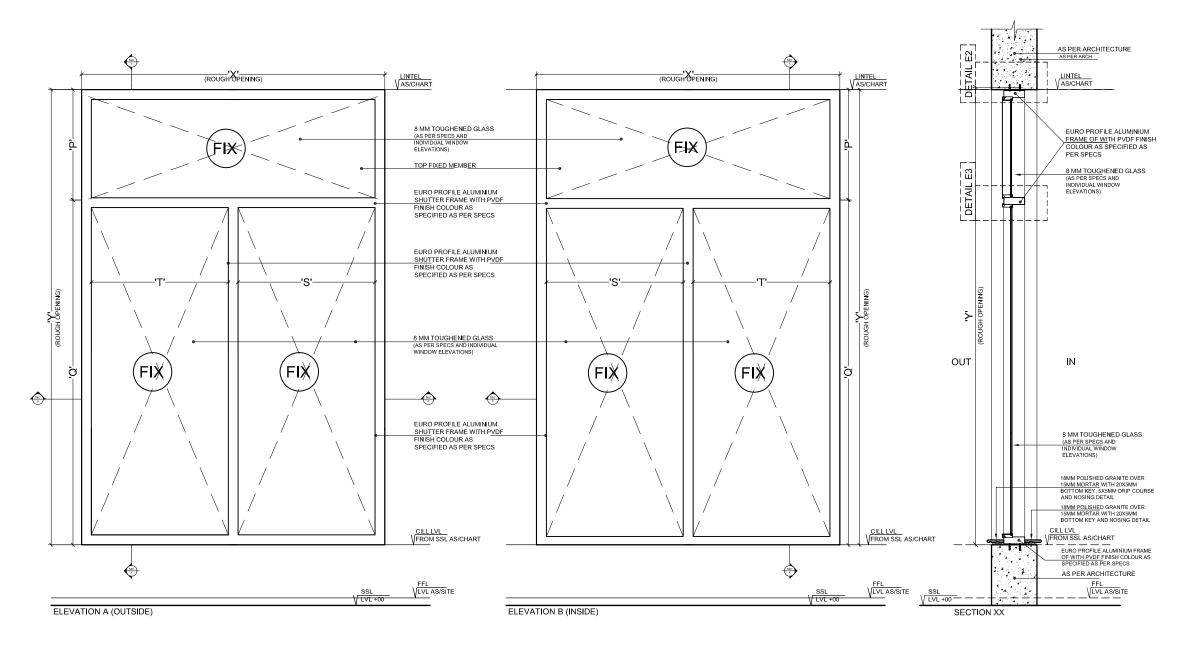
All shop drawings should be provided to the Designer for approv

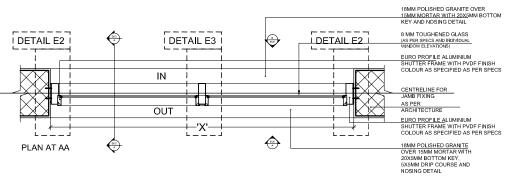
LL PLANS IN THE DRAWING ARE GENERAL PLANS FOR DETAIL URPOSES ONLY, PLEASE REFER THE ARCHITECTURAL PLANS ANI AYOUTS FOR INDIVIDUAL BUILDINGS.

REFER WINDOW CONCRETE CILL DETAILS

REFER DOOR THRESHOLD DETAILS

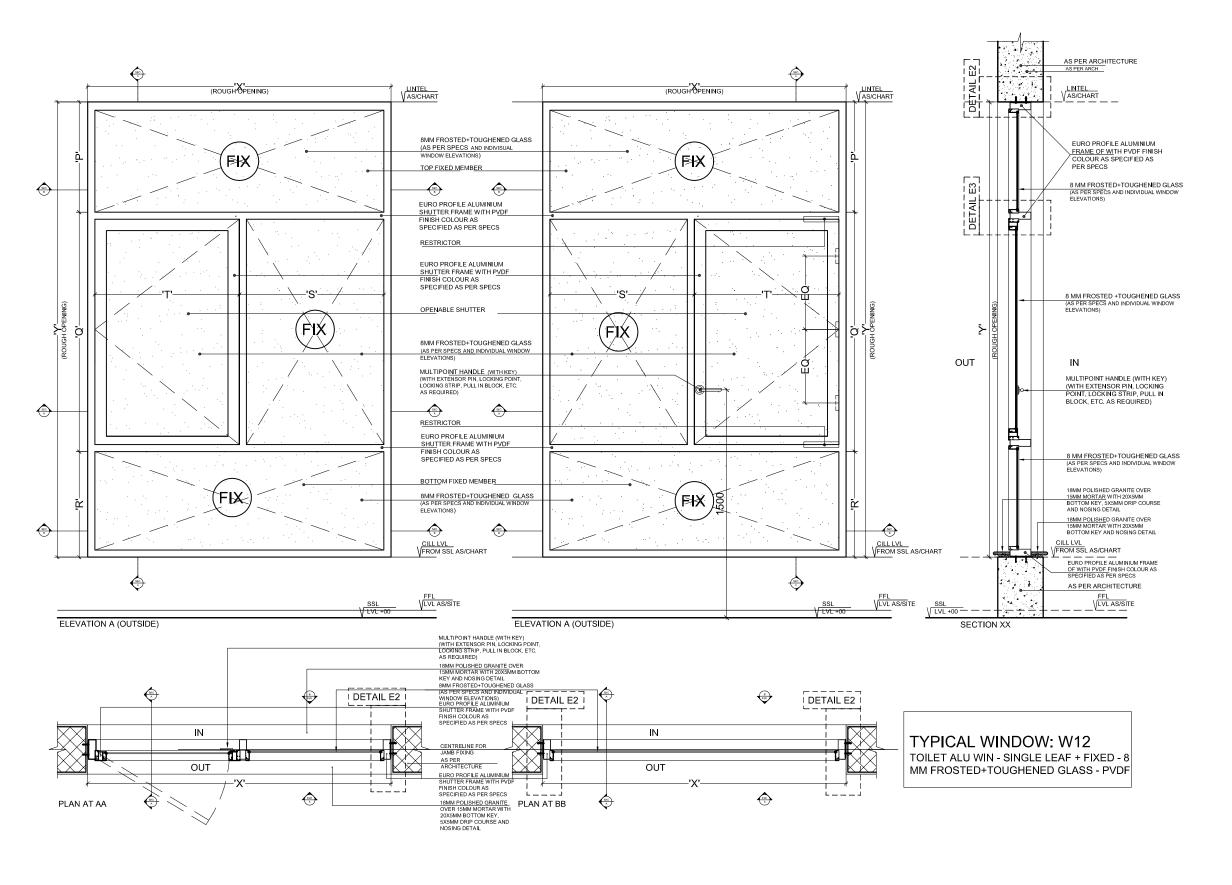
DATE: 04.01.2019





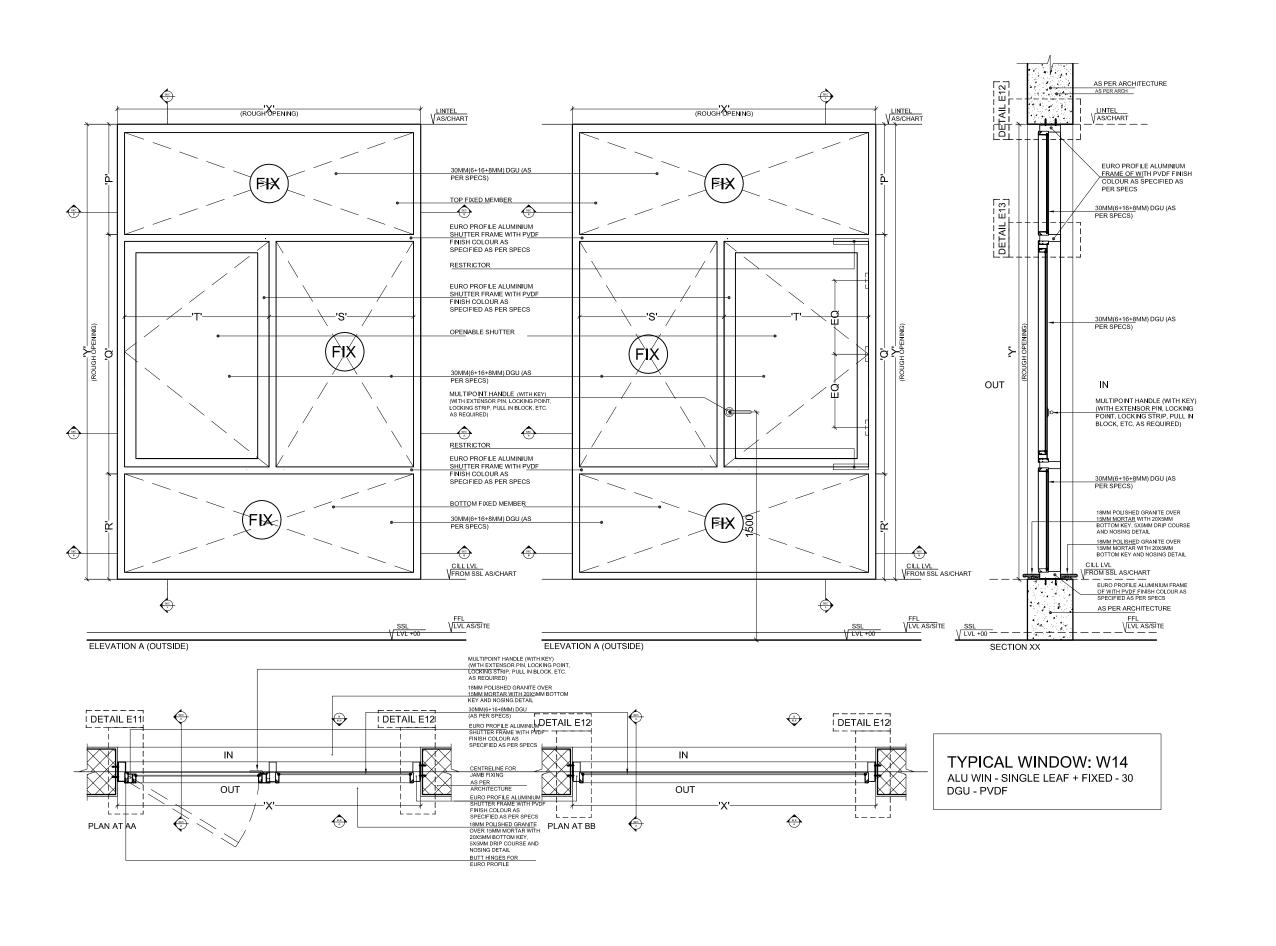
TYPICAL WINDOW: W08
FIXED ONLY ALU WIN - 8 MM
TOUGHENED GLASS - PVDF

	NOTES						
İ	- Dimensions are not to be scal - All Dimensions are in Millimet						
	- All Levels are in Millimeters ar - The contractor shall verify all	d relate to Datum level. dimensions, details,specifications &					
	site conditions & shall report any error, omission and/or anomaly to the Campus Designer before commencement of work.						
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Ì	construction until they are issued for construction. -These drawings are to be read in co-ordination with HVAC,						
I	Electrical, Plumbing drawings & all relevant sections of specifications -All shop drawings should be provided to the Designer for approval.						
ı		rovided to the Designer for approval.					
	NOTE: ALL PLANS IN THE DRAWING AR	E GENERAL PLANS FOR DETAIL					
	PURPOSES ONLY, PLEASE REFE LAYOUTS FOR INDIVIDUAL BUILD	ER THE ARCHITECTURAL PLANS AND DINGS.					
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	REFER DOOR THRE	SHOLD DETAILS					
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	FOR APPROVAL. 2. VENDORS TO PROVIDE SHOP DE	AWINGS FOR THE APPROVAL FROM TH					
	CAMPUS DESIGNER						
	ARCHITECTS:						
	ARCOP ASSOCIATES PVT. LTD. A-15, Pamposh Enclave, G.K. 1 New Delhi 110048						
	Phone: 011 - 26442050 CLIENTS:						
ı	INDIAN INSTITUTE OF SCIENCE ED Permanent Campus: Jaganpalli, Yerpe	JCATION & RESEARCH (IISER) TIRUPATI du - Kalahasti Main Road, Tirupati, A.P.					
İ	Mangalam, Tirupati, A.P. 517507	ng College Building, Karakambadi Road,					
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İ	Architect's Signature	Client's Signature					
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		LUAMPUS					
	IISER TIRUPAT	1 07 11111 00					
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	Drawing Title TYPICAL ALU WIN HARDWARE DETA TYPE W8 AND VA Document Release Type TENDER Scale AS PER DRAWING 04.01.2019 Drawn by AS	NDOWS AND NIL FOR WINDOW RIATIONS Drawing No. TYP-AR-1106-W8					
	Drawing Title TYPICAL ALU WIN HARDWARE DETA TYPE W8 AND VA Document Release Type TENDER Scale AS PER DRAWING 04.01.2019 Drawn by AS Checked by VB	IDOWS AND AIL FOR WINDOW RIATIONS Drawing No.					
	Drawing Title TYPICAL ALU WIN HARDWARE DETA TYPE W8 AND VA Document Release Type TENDER Scale AS PER DRAWING 04.01.2019 Drawn by AS Checked by	AIDOWS AND AIL FOR WINDOW RIATIONS Prawing No. TYP-AR-1106-W8 Revision No.					
	Drawing Title TYPICAL ALU WIN HARDWARE DETA TYPE W8 AND VA Document Release Type TENDER Scale AS PER DRAWING 04.01.2019 Drawn by AS Checked by VB	AIDOWS AND AIL FOR WINDOW RIATIONS Prawing No. TYP-AR-1106-W8 Revision No.					
	Drawing Title TYPICAL ALU WIN HARDWARE DETA TYPE W8 AND VA Document Release Type TENDER Scale AS PER DRAWING 04.01.2019 Drawn by AS Checked by VB	AIDOWS AND AIL FOR WINDOW RIATIONS Prawing No. TYP-AR-1106-W8 Revision No.					



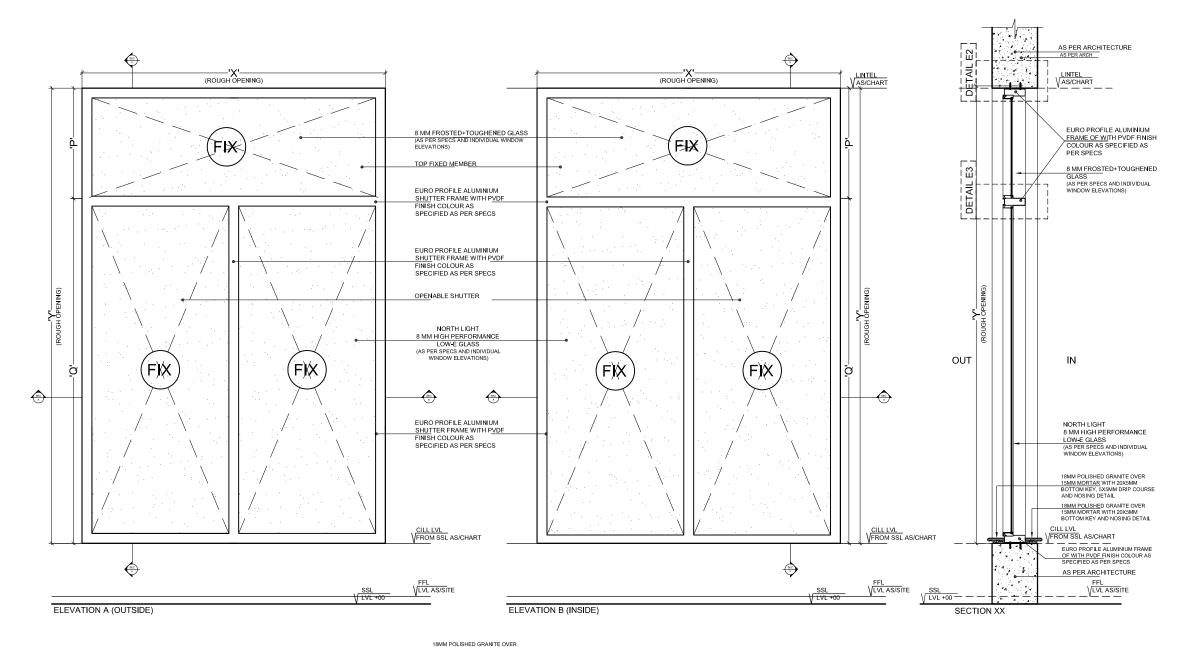
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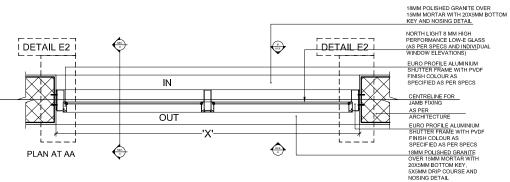
Checked by VB



NOTES onstruction until they are issued for construction. These drawings are to be read in co-ordination with HVAC, Electrical, Plumbing drawings & all relevant sections of pecifications.

All shop drawings should be provided to the Designer for appro ALL PLANS IN THE DRAWING ARE GENERAL PLANS FOR DETAIL PURPOSES ONLY. PLEASE REFER THE ARCHITECTURAL PLANS AND LAYOUTS FOR INDIVIDUAL BUILDINGS. REFER WINDOW CONCRETE CILL DETAILS REFER DOOR THRESHOLD DETAILS ISSUES REVISION I. SHUTTERING DRAWING TO BE PROVIDED TO THE CAMPUS DESIGNER FOR APPROVAL. 2. VENDORS TO PROVIDE SHOP DRAWINGS FOR THE APPROVAL FROM TI CAMPUS DESIGNER ARCHITECTS: ARCOP ASSOCIATES PVT. LTD. A-15, Pamposh Enclave, G.K. 1 New Delhi 110048 Phone: 011 - 26442050 CLIENTS:
INDIAN INSTITUTE OF SCIENCE EDUCATION & RESEARCH (IISER) TRUPAP
Permanent Campus: Jaganpall, Verpedu - Kalahasti Malin Road, Trupatl, A.P.
Transit Campus: Sree Rama Engineering College Building, Karakambadi Road,
Mangalam, Trupatl, A.P. 517507 Architect's Signature Client's Signature **IISER TIRUPATI CAMPUS** TYPICAL ALU WINDOWS AND HARDWARE DETAIL FOR WINDOW TYPE W14 AND VARIATIONS **TENDER** AS PER DRAWING TYP-AR-1112-W14 Checked by AUTHORITY:





TYPICAL WINDOW: W15
NORTH LIGHT ALU WIN - FIXED - 8 MM
FROSTED +TOUGHENED+ LOW E
GLASS - PVDF

NOTES construction until they are issued for construction. These drawings are to be read in co-ordination with HVAC, Electrical, Plumbing drawings & all relevant sections of specifications.. All shop drawings should be provided to the Designer for appro ALL PLANS IN THE DRAWING ARE GENERAL PLANS FOR DETAIL PURPOSES ONLY. PLEASE REFER THE ARCHITECTURAL PLANS AND AYOUTS FOR INDIVIDUAL BUILDINGS. REFER WINDOW CONCRETE CILL DETAILS REFER DOOR THRESHOLD DETAILS ISSUES REVISION I. SHUTTERING DRAWING TO BE PROVIDED TO THE CAMPUS DESIGNER FOR APPROVAL. 2. VENDORS TO PROVIDE SHOP DRAWINGS FOR THE APPROVAL FROM TI CAMPUS DESIGNER ARCHITECTS: ARCOP ASSOCIATES PVT. LTD. A-15, Pamposh Enclave, G.K. 1 New Delhi 110048 Phone: 011 - 26442050 CLIENTS: INDIAN INSTITUTE OF SCIENCE EDUCATION & RESEARCH (IISER) TIRUPAT Permanent Campus: Jaganpall, Verpedu - Kalahasti Mahr Road, Trupatl, A.P. Transit Campus: Sree Rama Engineering College Building, Karakambadi Road, Mangalam, Trupatl, A.P. 517507 Architect's Signature Client's Signature **IISER TIRUPATI CAMPUS** TYPICAL ALU WINDOWS AND HARDWARE DETAIL FOR WINDOW TYPE W15 AND VARIATIONS **TENDER** AS PER DRAWING TYP-AR-1113-W15 Checked by AUTHORITY:

