

# AUDITORIUM - UIT UNIVERSITY KARACHI



## BILL OF QUANTITIES FOR INTERIOR FINISHING WORKS June, 2025



INTERIOR FINISHING WORKS OF  
AUDITORIUM - UIT UNIVERSITY  
KARACHI

MAIN SUMMARY

S/No.	Description	I.D Works Amount Rs.
i	Demolition Work	
ii	Layout Marking	
iii	Civil & Interior Design Work	
Total		



# UIT UNIVERSITY, KARACHI

## Introduction

UIT University (UITU), established under The UIT University Act, 2017 [Sindh Act No. XXXIV of 2018], is a testament to our commitment to providing quality education. UITU received the NOC from the Higher Education Commission (HEC) in 2021. Our academic programs are duly accredited by regulatory bodies including PEC, NCEAC, and NTC. UIT University is a project of Usman Memorial Foundation (UMF). UMF was established in 1973 with the objective to establish a state-of-the-art educational project to meet the ever growing education needs of the society. The University's city campus is located in Gulshan-e-Iqbal whereas a purpose built main campus in the District Malir is in the phase of development.

UITU has earned its esteemed status by consistently upholding high standards of education. Our commitment to adapting courses in response to evolving technologies ensures that our graduates are not only competent professionals but are also well-versed in staying abreast of industry trends.

At UITU, we pride ourselves on our inclusive approach to education. We welcome meritorious students from diverse backgrounds and are committed to providing equal opportunities for all applicants, irrespective of gender, religion, color, creed, race, class, or domicile.

The University is the culmination of three decades of progressive and successful operation of the Usman Institute of Technology (UIT) which was established in the year 1994. UIT has provided more than 5,000 graduates serving governments, industries, trades and businesses as professionals, experts and entrepreneurs within the country and abroad.

In the pursuit of excellence for seeking and disseminating knowledge, the University is committed to intensify its footprint in the area of quality education, research and community service by implementing best practices, adopting emerging technologies and engaging qualified and experienced human resources.





## Preamble - AUDITORIUM

S.#	Description	Unit	Qty	Rate	Amount
	<b>Note: (Applied on Complete BOQ)</b>				
	As part of the bidding process, please be advised of the following important requirements and conditions:-				
	<b>1) Base Rates of Material Mentioned in BOQ:-</b> All base rates are inclusive of GST. Any cost difference arising from the selection of materials will be adjusted according to the purchase/invoice rates.				
	<b>2) 5% marginal contingencies in quantities:-</b> The quantities provided in this Bill of Quantities include a 5% margin above the quantities shown in the drawings. This 5% margin is intended to account for potential quantity variations during the execution of the work. It is important to note that this margin is not intended to cover material wastage or losses incurred				
	<b>3) Mandatory Site Visit:</b> All contractors are required to visit the project site before preparing and submitting their bids. The site visit is crucial for understanding the project scope, site conditions, and any potential challenges that may impact the work. It is the contractor's responsibility to thoroughly inspect the site and gather all necessary information to accurately estimate the cost and resources needed for the project. <b>Site visits can be coordinated with the following team members at UIT University:</b> <b>1. Hari Lal: +92 333 2274029</b> <b>2. Muhammad Kamran Jamil: +92 300 2927138</b>				
	<b>4) No Variation After Bidding:</b> Once the bid has been submitted and accepted, no variations or adjustments to the bid amount will be considered under any circumstances. This clause applies to all possible situations, including changes in material costs, overtime labor availability, or any other factors that may arise during the project execution. By submitting a bid, the contractor acknowledges and agrees to the following: a) The site has been visited and inspected in person. b) All relevant factors have been considered in the bid. c) No claims for additional compensation or extensions of time will be entertained after the bid has been accepted. <b>Pre-bid Meeting: 16<sup>th</sup> July 2025</b>				
	<b>5) Compliance:</b> a) Failure to comply with the site visit requirement may result in the disqualification of your bid. b) It is imperative that you document your site visit and any findings or considerations that influenced your bid preparation. c) Only debris is allowed to be taken away by the contractors, all doors, windows, railing, grill, electrical/plumbing fittings & fixtures and all useable tiles, marble, etc., will be the property of Client.				



## Demolition Works - AUDITORIUM

S.#	Description	Unit	Qty	Rate	Amount
	<p>Note:-</p> <p>a) Before quoting the rates please detail visit of site, drawings and thoroughly study the material and nature of dismantling / demolishing and repairing work.</p> <p>b) All methods for removing/dismantling of below items cover all labor, equipment and techniques and disposal of all debris out side the building limits or as directed by the Architect/Engineer.</p> <p>c) All work to be carried out as per instruction and satisfaction of Architect. All dismantling/Demolition/ removal will be done carefully and make sure not to Damage the Existing building and people during the process. Cordon off work area before start the work.</p>				
1	<b>Demolition Works</b>				
	<p>a) Dismantling/Removing of block masonry wall of any thickness &amp; size with plaster (at any level or height), including cost of disposal of rubbish material out side the building limits or as directed by the Architect/Engineer. complete in all respect and conforming to the requirement of drawings, specification and to the entire satisfaction of the Architect/Engineer.</p> <p>b) Removal of all type of tile cladding on wall with base (of any thickness) over block masonry wall (at any level or height) including cost of removing of skirting , disposal of rubbish material out side the building limits or as directed by the Architect/Engineer. complete in all respect and conforming to the requirement of drawings, specification and to the entire satisfaction of the Architect/Engineer.</p> <p>c) Removing of doors with frame any size, shape &amp; material (at any level) including cost of disposal of rubbish material out side the building limits or as directed by the Architect/Engineer. complete in all respect and conforming to the requirement of drawings, specification and to the entire satisfaction of the Architect/Engineer.</p> <p>d) Removal of floor tiles with base (of any thickness) (at any level) including cost of disposal of rubbish material out side the building limits or as directed by the Architect/Engineer. complete in all respect and conforming to the requirement of drawings, specification and to the entire satisfaction of the Architect/Engineer.</p> <p>e) Removal of CC floor base (of any thickness) (at any level) including cost of disposal of rubbish material out side the building limits or as directed by the Architect/Engineer. complete in all respect and conforming to the requirement of drawings, specification and to the entire satisfaction of the Architect/Engineer.</p>				



## Demolition Works - AUDITORIUM

S.#	Description	Unit	Qty	Rate	Amount
	<p>f) Removing / scraping of existing paint from ceiling, projection and wall, including disposal of rubbish out side the building limits or as directed by the Architect/Engineer. complete in all respect and conforming to the requirement of drawings, specification and to the entire satisfaction of the Architect/Engineer.</p> <p>g) Removing of False Ceiling or framing of any material with its hanging systems/ frame etc at any level &amp; height including cost of disposal of rubbish material out side the building limits or as directed by the Architect/Engineer. complete in all respect and conforming to the requirement of drawings, specification and to the entire satisfaction of the Architect/Engineer.</p> <p>h) Dismantle &amp; Removing of Vanity with Slab of any thickness at any level or height including cost of proper cutting of reinforcement (where required), cleaning of steel reinforcement bar (where required), disposal of rubbish material out side the building limits or as directed by the Architect/Engineer. complete in all respect and conforming to the requirement of drawings, specification and to the entire satisfaction of the Architect/Engineer.</p> <p>i) Removal of HVAC line with handing system including removal of pipes, fixtures, fittings, cable tray, etc for Construction Area/Renovated Area or as specified by Architect/Engineer including cost of disposal of rubbish material out side the building limits or as directed by the Architect/Engineer. complete in all respect and conforming to the requirement of drawings, specification and to the entire satisfaction of the Architect/Engineer.</p> <p>j) Removal of Electrical power supply wiring, pipes, fixtures, fittings, cable tray, electrical appliances, lights, fan etc for the Construction Area/Renovated Area or as specified by Architect/Engineer including cost of disposal of rubbish material out side the building limits or as directed by the Architect/Engineer. complete in all respect and conforming to the requirement of drawings, specification and to the entire satisfaction of the Architect/Engineer.</p>				



## Demolition Works - AUDITORIUM

S.#	Description	Unit	Qty	Rate	Amount
	<p>k) Removal of Water Supply fittings, fixtures, pipes etc for the Construction Area/Renovated Area or as specified by Architect/Engineer including cost of disposal of rubbish material out side the building limits or as directed by the Architect/Engineer. complete in all respect and confirming to the requirement of drawings, specification and to the entire satisfaction of the Architect/Engineer.</p> <p>l) Removal of Sewerage and Other Supply lines fittings, pipes etc for the construction area/Renovated area or as specified by Architect/Engineer including cost of disposal of rubbish material out side the building limits or as directed by the Architect/Engineer. complete in all respect and confirming to the requirement of drawings, specification and to the entire satisfaction of the Architect/Engineer.</p>	Job	1		
	<b>Total</b>				



Layout Marking Work - AUDITORIUM

S.#	Description	Unit	Qty	Rate	Amount
1	LAYOUT MARKING				
	Providing and marking layout on site by approved marking materials (Tap, Chalk, Paint, etc.) as per drawing and specification at any level or height including cost of all fixing accessories, arrangements, etc., complete in all respects conforming to the requirements of drawings and specification and to the entire satisfaction of the Architect/Engineer.				
	a) Auditorium	Job	1		
	Total				



## I.D Works - AUDITORIUM

S.#	Description	Unit	Qty	Rate	Amount
<b>A</b>	<b>Wall Finishes</b>				
<b>1</b>	<b>Block Work</b>				
	Provide and lay machine made Hollow/Solid Block Masonry with minimum compressing strength of 1000 Psi, setting the blocks in 1:4 cement sand mortar, raked joints including curing, scaffolding, reinforcing & anchors from RCC columns (if required) & grouting with cement sand mortar), hacking of existing surface for bonding where necessary, wastage, etc., complete job with all necessary arrangements, as per drawing/detail and as directed by the Architect.				
	a) 4" Thick Solid Block work	Sft	Rate only		
	b) 6" Thick Solid Block work	Sft	27		
	c) 8" Thick Solid Block work	Sft	Rate only		
<b>2</b>	<b>Plaster Work</b>				
	Provide and apply 1:4 cement sand plaster of minimum thickness as specified on RCC Members / Block Walls / Ceiling surface including making all grooves, edges, bends, corners, jambs of doors and windows / patta, & recesses finished smooth including G.I corner beads/plaster stops upto 9'-0" height from FFL to all horizontal and vertical exposed corner edges (for protection of corner & edges), 1' wide galvanized metal lathe of 18 SWG at the junctions of concrete and block masonry, conduit chases, etc., fixed with nails and G.I. sheet strip/washer, rounded edges where required, drip core recesses and grove making smooth / foam finished, smooth finished in line, level, plumb, curing, scaffolding, hacking / chipping of existing surface for bonding where necessary, etc., complete in all respect. (For Payment exposed area will be measured)				
	a) 1/2" thick Plaster Work	Sft	114.00		
	b) 3/4" thick Plaster Work	Sft	Rate only		



## I.D Works - AUDITORIUM

S.#	Description	Unit	Qty	Rate	Amount
3	<b>HDF Wall Cladding on Wall with G.I Internal Framing</b>				
	<p>Providing, making and fixing of HDF board cladding on wall up to any height and floor comprising of cladding of HDF board (of specified thickness &amp; approved brand) on wall with backing support of G.I Internal framing system of 18 &amp; 20 SWG, closing all end openings with same cladding material, fixing of G.I frame on wall, floor &amp; tie with structural slab/beam, including all fixing accessories and arrangements, scaffolding, making openings, cutting of electric switch board, lights, etc., as shown in drawing &amp; details, complete in all respect and as instructed by the Architect.</p> <p>(This job will be coordinated with all MEP works electrical, plumbing and air-conditioning, etc.)</p> <p>Note:- "No additional payment will be provided for strengthening the internal reinforcement or framing of any size or gauge, anywhere on-site, for any reason."</p>				
	<p>a) HDF board cladding using 1/2" thick HDF board approved brand (From ZRK, Merbok, Alnoor, Lasani or equivalent) in panels.</p> <p>(For Payment exposed cladding area will be measured without any depth and thickness).</p>	Sft	2,360		
4	<b>Acousting Wall Penling (Option-1)</b>				
	<p>Providing, making and fixing of Acoustic Paneling on wall, fixed over existing Wall of any kind, fixed with adhesive/screw as shown in drawings &amp; details, including cutting, fixing, hardware's, wastage, adhesive of approved quality, lifting, all fixing accessories and arrangements, scaffolding, making openings, cutting of electric switch board, lights, etc., as shown in drawing &amp; details, complete job in all respect as per drawing/detail and as directed by the Architects.</p> <p>(This job will be coordinated with all MEP works electrical, plumbing and air-conditioning, etc.)</p>				
	<p>a) Acousting Wall Penling <b>(Option-1).</b></p> <p><b>(Only Acoustic Panels are OFM)</b></p> <p>(For Payment Exposed Area will be measured without any depth and thickness)</p>	Sft	1,327		



## I.D Works - AUDITORIUM

S.#	Description	Unit	Qty	Rate	Amount
5	<b>Fabric Paneling on wall with Foam Cushioning &amp; MDF Backing (For Acoustic Purposes) (Option-2)</b>				
	Providing, making and fixing of Fabric Paneling on wall with Foam Cushioning & MDF Backing on wall, consisting of MDF board Paneling on existing walls using 1/2" thick MDF board of approved brand (ZRK/Merbok/Al-Noor/Lasani) cushioning on MDF with foam of approved thickness (by Master foam) and pasting of fabric (as per approved sample) on foam with approved adhesive, including the cost of solignum treatment to all wood surfaces, fixing of panels on existing Wall of any kind, fixed with adhesive/screw as shown in drawings & details, including cutting, fixing, hardware's, wastage, adhesive of approved quality, lifting, all fixing accessories and arrangements, scaffolding, making openings, cutting of electric switch board, lights, etc., as shown in drawing & details, complete job in all respect as per drawing/detail and as directed by the Architects. (This job will be coordinated with all MEP works electrical, plumbing and air-conditioning, etc.)				
	a) Fabric Paneling on wall with Foam Cushioning & MDF Backing (For Acoustic Purposes) <b>(Option-2)</b> <b>(Base Rate of Fabric Rs.300/- Per Sft)</b> (For Payment Exposed Area will be measured without any depth and thickness)	Sft	Rate only		
6	<b>Wooden Light Cove on Wall in Polish Finish Around Acoustic Paneling with Backing of Partial Wood Framing. (Option-1) (HDF+Oak Veneer)</b>				
	Providing, making and fixing of Wooden Light Cove on wall in Polish finish around Acoustic Paneling or any where required, comprising of 1/2" thick HDF board cove of required size fixed on wall with partial wood concealed framing structure, pasting of 1/8" thick Oak Veneer on all external/exposed surfaces of cove fixed through approved adhesive, polishing on all veneer surfaces with approved polish with preparing surface as shown in drawing up to any height, floor and depth, including all fixing accessories and arrangements, scaffolding, polishing with approved polish, solignum treatment to all wooden surfaces, making openings, cutting of electric switch board, lights, etc., as shown in drawing & details, complete in all respect and as instructed by the Architect. (This job will be coordinated with all MEP works electrical, plumbing and air-conditioning, etc.) (For Payment Running length will be measured with-out any depth and thickness.)				
	a) 3" wide and 5" Deep Wooden Light Cove. (Option-1) (HDF+Oak Veneer)	Rft	946		



## I.D Works - AUDITORIUM

S.#	Description	Unit	Qty	Rate	Amount
7	<b>Wooden Light Cove on Wall in Polish Finish Around Acoustic Paneling with Backing of Partial Wood Framing. (Option-2) (Plywood)</b>				
	Providing, making and fixing of Wooden Light Cove on wall in Polish finish around Acoustic Paneling or any where required, comprising of 1/2" thick Plywood board (imported) cove of required size fixed on wall with partial wood concealed framing structure, polishing on all exposed, external surfaces with approved polish with preparing surface as shown in drawing up to any height, floor and depth, including all fixing accessories and arrangements, scaffolding, polishing with approved polish, solignum treatment to all wooden surfaces, making openings, cutting of electric switch board, lights, etc., as shown in drawing & details, complete in all respect and as instructed by the Architect. (This job will be coordinated with all MEP works electrical, plumbing and air-conditioning, etc.) (For Payment Running length will be measured with-out any depth and thickness.)				
	a) 3" wide and 5" Deep Wooden Light Cove. (Option-2) (Plywood)	Rft	Rate only		
8	<b>Wooden Light Cove on Wall in Polish Finish Around Acoustic Paneling with Backing of Partial Wood Framing. (Option-3) (Solid Oak Wood)</b>				
	Providing, making and fixing of Wooden Light Cove on wall in Polish finish around Acoustic Paneling or any where required, comprising of 3/4" thick solid Oak wood for making cove of required size fixed on wall with partial wood concealed framing structure, polishing on all exposed & external surfaces of Oak wood with approved polish with preparing surface as shown in drawing up to any height, floor and depth, including all fixing accessories and arrangements, scaffolding, polishing with approved polish, solignum treatment to all wooden surfaces, making openings, cutting of electric switch board, lights, etc., as shown in drawing & details, complete in all respect and as instructed by the Architect. (This job will be coordinated with all MEP works electrical, plumbing and air-conditioning, etc.) (For Payment Running length will be measured with-out any depth and thickness.)				
	a) 3" wide and 5" Deep Wooden Light Cove. (Option-3) (Solid Oak Wood)	Rft	Rate only		



## I.D Works - AUDITORIUM

S.#	Description	Unit	Qty	Rate	Amount
9	<b>Engraving Logo by CNC Machine on 1/2" thick Oak Veneer in polish finish as per design. 3ft dia &amp; 1/4" Deep.</b>				
	Providing and making engraved Logo on 1/2" thick Oak Veneer/Ply By CNC Machine of required size and depth, pattern and shape as shown in drawings & details, including polisheing with approved polish after preparing the surfaces & primer coat, engraving by CNC, cutting, hardware's, wastage, glues, lifting, all fixing accessories and arrangements, scaffolding, making openings, cutting of electric switch boards and lights, solignum treatment, etc., as shown in drawing & details, complete job in all respect as per drawing/detail and as directed by the Architects. (This job will be coordinated with all MEP works electrical, plumbing and air-conditioning, etc.)				
	a) Engraving Logo by CNC Machine on 1/2" thick Oak Veneer in polish finish as per design. 3ft dia & 1/4" Deep.	Job	2		
10	<b>Cladding of Oak Veneer on Wall in Polish Finish and Making Groov Lines as per Design</b>				
	Providing, making and fixing of Oak Veneer of specified thickness cladding on wall in polished finish with making groov lines as shown in drawing up to any height, floor and depth, comprising of Oak Veneer of specified thickness cladding on existing surface of HDF, fixed through approved adhesive/screws, including all fixing accessories and arrangements, scaffolding, polishing with approved polish with primer, making openings and cutting for electric switch boards and lights, making groove lines of approved depth in polish finish, etc., as shown in drawing & details, complete in all respect and as instructed by the Architect. (This job will be coordinated with all MEP works electrical, plumbing and air-conditioning, etc.) (For Payment exposed area will be measured with-out any depth and thickness.)				
	a) Cladding of 1/2" thick Oak Veneer on Wall in Polish Finish and Making Groov Lines as per Design.	Sft	306		
	b) Cladding of 1/4" thick Oak Veneer on Wall in Polish Finish and Making Groov Lines as per Design.	Sft	721		
	c) Cladding of 1/8" thick Oak Veneer on Wall in Polish Finish and Making Groov Lines as per Design.	Sft	32		



## I.D Works - AUDITORIUM

S.#	Description	Unit	Qty	Rate	Amount
<b>11</b>	<b>Solid Paneled Door in Polish Finish</b>				
	Providing, making and fixing in position Openable Door 2" thick Solid wooden panel door shutter (Both side paneling) of Oak wood (using seasoned and termite proofing) with 6" wide & 2" thick door frame (Chowkhat) of Oak wood, polishing complete door i/c door frame with approved polish with applying primer and solignum treatment, as per drawing/detail including fixing, lock set, S.S Screw, SS handle, wastage, etc. all types of fittings, complete as per drawings and as directed by the Engineer. (For payment, one side frame to frame door elevation area will be measured)				
	a) Solid Paneled Door in Polish finish (Double Shutter) (Base Rate of Hardware's Rs.25,000/- Per Door)	Sft	119		
<b>12</b>	<b>2" thick Solid Core Flush Door in Polish Finish with Aluminum Frame</b>				
	Providing, making & fixing of Wooden Door, consisting of 2" thick solid core flush shutter (for flush door shutters partial wood infill framing) using approved 1/4" thick Oak Ply on both sides of shutter over rough wood structure frame with 1/2" thick wood lipping polish finish, including 6" wide & 1-1/2" thick Aluminium door frame in paint finish, including fixing, lock set, S.S Screw, SS handle, wastage, approved hardware's, seasoning, termite proofing in wooden surface area, etc. complete in all respect as per drawings, specifications and instructions of the Architect. (For payment, one side net exposed door elevation area will be measured.)				
	a) 2" thick Solid Core Flush Door with Aluminum Frame in Polish finish (Single Shutter) (Door's Hardware will be from JB Saeed.) (Base Rate of Hardware's Rs.15,000/- Per Door)	Sft	38		
<b>13</b>	<b>Internal Glazing with 12mm thick Tempered Glass with Powder Coated M.S Framing.</b>				
	Providing, fabrication and installation in position fixed glazing, consisting of 12mm tempered cleared glass of approved brand (Ghani, Tariq Float) with powder coated M.S framing of approved section fixed on Floor/wall/overhead beam, etc., as per shown in drawing including all hardware's, neoprene gasket, rubber gasket seal & silicone sealant, fixing arrangements, etc., complete in all respect. Door area will be deducted. (For payment Frame to Frame one side elevation area will be measured.)	Sft	104		



## I.D Works - AUDITORIUM

S.#	Description	Unit	Qty	Rate	Amount
<b>14</b>	<b>Glass Doors With Powder Coated M.S Framing of Door &amp; Panels)</b>				
	Providing, fabrication & installation in position Glass door, consisting of 12mm thick tempered glass of approved brand (Ghani, Tariq Float) door with powder coated M.S framing for Door & panels of approved section, all fitting with hinges of approved quality, locking arrangements, as per approved customized M.S handles as per design on both sides of shutter including all hardware's, wastage, silicon sealant, lifting, cutting, fixing, etc., complete as per drawing, hardware schedule and instruction of the Architect. (For payment Frame to Frame one side elevation area will be measured.)				
	a) Glass door 12mm Tempered Glass with powder coated M.S framing for Door & panels of approved section. (Single Shutter) (Base Rate of Hardware's from JB Saeed Rs.20,000/-)	Sft	16		
<b>15</b>	<b>M.S. Framing for SMD/LED Screen.</b>				
	Providing, fabricating and fixing M.S framing for SMD/LED Back Support, comprising of 4mm thick M.S Plate size 6"x6" and fixing 14-Guage thick vertical M.S Section Pipe size 3" x 1 1/2" fixing and supporting with flooring to ceiling, M.S framing specified size consisting of M.S pipe/Section, M.S plate, M.S angle iron, U-channel and all required sections, where required as per the drawing & detail, including anti rust paint / Red Oxid Paint of approved colour (ICI, Berger, Jotun, Nippon), complete job with cutting, bending, welding, drilling, grinding, fabrication, hardware, wastage, lifting, scaffolding, and erecting in position, etc., complete job with all necessary arrangements, as per drawing/detail and as directed by the Architect. (This job will be coordinated with all MEP works electrical, plumbing and air-conditioning, etc.) (Frame to frame one side elevation area will be measured)	Sft	151		



## I.D Works - AUDITORIUM

S.#	Description	Unit	Qty	Rate	Amount
<b>16</b>	<b>Matt Enamel Paint On Wall.</b>				
	Provide and applying three coats of Matt enamel paint on Wall of approved make (ici / Jotun), shade and quality to finished surfaces at location shown on drawings or as directed by the Architect including rubbing the surface with sand paper/carborundum stone and making the surface smooth up to required height and level, including filling the depression with wall putty including primer coat of approved quality, scraping with sand paper, cleaning the surface, all to be done in strict accordance with the manufacturer's specification and conforming to the requirements of drawings, and to the entire satisfaction of the Project consultant. (For Payment Exposed area will be measured).				
	a) Matt Enamel Paint On Wall of Approved color	Sft	575		
<b>17</b>	<b>Installation of chairs with drilling floor, fixing ficher bolts with epoxy.</b>				
	Installation of foldable chairs on floor in Auditorium Hall by using approved hardware's and fittings, complete job with all necessary fixing arrangements, all fixing hardware's, wastage, cutting, fabrication, welding, lifting, drilling, clipping, scaffolding, epoxy filler of approved brand, etc., complete in all respect as per drawings, specifications and as instructed by the Architect.	Nos	166		
<b>18</b>	<b>Veneer Pressed Wooden Hand Rail</b>				
	Provide, making and install 6" high Veneer Polish finish Hand rail comprising of 5mm thick Oak Veneer polish finish pressed over rough wood framing (size 1-1/2"x1-1/2") structure fixed on top of plastered Brick wall of stairs with bolt. All wood should be seasoned and termite treated. Complete job with all fixing hardware, nail, glue, scaffolding, wastage, cutting, lifting etc., complete in all respect as per drawing / detail and as instructed by the architect. (For payment net Length will be measured)	Rft	26		
<b>19</b>	<b>MS HAND RAIL</b>				
	Providing and constructing MS Hand rail railing comprising 2"Ø handrail, 6" high 1/2" Ø Vertical solid bars @ 2ft c/c specing. All MS works to be treated with red oxide and 3 coats of Matt Enamel paint finished. Complete in all respect as per drawing, details and instruction by the Architect.	Rft	Rate only		



## I.D Works - AUDITORIUM

S.#	Description	Unit	Qty	Rate	Amount
20	<b>3/4" dia Brass pipe hand rail with brass Cap &amp; 1.5"x1.5" wooden molding Polish finish</b>				
	Providing & fixing handrail of 3/4" dia Brass pipe with 1" dia brass cap fixed on existing wall with fixing of 1-1/2"x1-1/2" wooden molidng of solid Oak wood in polish finish, including all fixing accessories and arrangements, cutting, drilling where required, wastages, joints cleaning, etc. complete in all respect and as per drawings, details & directions of the Architect. (For Payment net Running lenght will be measured with-out depth & thickness)	Rft	Rate only		
21	<b>Oak Wood Coping/Ledge</b>				
	Providing, making & fixing Wooden Coping/Ledge in Polish finish, consisting of Solid Oak Wood (using proper seasoned and termite treated wood) coping/Ledge of required shape, size and thickness with making edging & nosing as shown in drawing fixed with approved adhesive, hardware, including all fixing accessories and arrangements, hardware's, wastages, joints cleaning, polishing with approved polish, lifting, cutting, solignum treatment to all surfaces of wood, etc. complete in all respect and as per drawings, details & directions of the Architect. (For Payment net Running length will be measured with-out depth & thickness)				
	a) Solid Oak Wood Coping/Ledge on planter wall in Polish finish Size 9" wide & 1-1/2" thick.	Rft	40		
<b>B</b>	<b>Floor Finishes</b>				
22	<b>C.C Cast in situ 1:2:4 using fiber of approved size and weight</b>				
	Provide and lay cast in situ work of C.C 1:2:4 cement concrete in any thickness and shape with smooth finished as per site specification and limitation, using approved quality cement, approved quality sand, approved quality crushed gravel including the cost of formwork, mixing. lifting, compacting, vibrating, curing, etc., including the cost of Fiber reinforcement of approved size and ratio, complete in all respect. (This job will be coordinated with all MEP works electrical, plumbing and air-conditioning, etc.)	Cft	50		



## I.D Works - AUDITORIUM

S.#	Description	Unit	Qty	Rate	Amount
<b>23</b>	<b>C.C Flooring Base (Kacha)</b>				
	Provide and lay 1:2:4 cement concrete flooring in any thickness, smooth finished in required depth as per site specification and limitation, laid in panels of approximately 2.5 SM Area, including shutting, curing, hacking of existing surface for bonding where necessary, etc., including the cost of Fiber reinforcement of approved size and ratio, complete in all respect. (This job will be coordinated with all MEP works electrical, plumbing and air-conditioning, etc.) (For Payment Net installed Flooring top area will be measured without any depth and thickness)				
	a) 2.5" Thick (Avg.) C.C 1:2:4 Flooring Base (Kacha).	Sft	2,147		
<b>24</b>	<b>3/4" thick Plaster Work on Wall/Vertical Surfaces of Floors &amp; Platforms.</b>				
	Provide and apply 1:4 cement sand plaster of minimum thickness as specified on RCC Members / Block Walls / Ceiling / vertical surfaces of floors, including making all grooves, edges, bends, corners, jambs of doors and windows / patta, & recesses finished smooth including G.I corner beads/plaster stops to all horizontal and vertical exposed corner edges (for protection of corner & edges), 1' wide galvanized metal lathe of 18 SWG at the junctions of concrete and block masonry, conduit chases, etc., fixed with nails and G.I. sheet strip/washer, rounded edges where required, drip core recesses and grove making smooth/foam finished in line, level, plumb, curing, scaffolding, hacking / chipping of existing surface for bonding where necessary, etc., complete in all respect. (For Payment exposed area will be measured)				
	a) 3/4" thick Plaster Work on Wall/Vertical surfaces of floor.	Sft	311		
<b>25</b>	<b>1/2" thick Self Leveling Compound Layer</b>				
	Provide and laying 1/2" thick Self Leveling Compound Layer (F.Ball Red Bag U.K, Sika Level, Hardtop T100 SL, AQUAFIN or as approved) over existing C.C flooring (thickness may be vary as per required FFL), including hacking of existing surface for bonding where necessary, proper cleaning the existing surface before applying the layer, curing, wastage, etc. complete in all respect as per manufacturers specifications or as directed by the Architect. (This job will be coordinated with all MEP works electrical, plumbing and air-conditioning, etc.) (For Payment Net installed Flooring top area will be measured without any depth and thickness)	Sft	2,147		
	(Under Carpet & Vinyl Flooring)				



## I.D Works - AUDITORIUM

S.#	Description	Unit	Qty	Rate	Amount
<b>26</b>	<b>Vinyl Flooring On Stage (Option - 1)</b>				
	Providing & laying Vinyl Flooring of approved sample over C.C flooring fixed with approved adhesive/bond in proper manners, including cutting, lifting, wastage, cleaning, including solid wooden edging, etc. complete in all respect as per manufacturers specifications or as directed by the Architect. (For Payment Net installed Vinyl area will be measured)				
	a) Vinyl Flooring (V-01) <b>(Vinyl is OFM)</b>	Sft	258		
<b>27</b>	<b>Pre Finished Wooded Flooring On Stage (Option - 2)</b>				
	Providing and laying Pre-Finished Wooden flooring of approved sample with approved color, quality and make, laid in approved pattern, setting the tiles with approved adhesive, cutting of tile as per specified size & pattern as shown in the drawings, cleaning, hacking / chipping of existing surface for bonding where necessary, etc. Complete in all respect and conforming to the requirements of drawings, specification and to the entire satisfaction of the Architect/Engineer. (For Payment Net Wood tile area will be measured.)	Sft	Rate only		
<b>28</b>	<b>Carpet Flooring</b>				
	Provide & lay in line and level Carpet of approved sample on existing floor finish with approved adhesive, including cutting, lifting, wastage, etc., complete in all respect, as per drawing and instruction of the Architect. (For Payment Net installed Carpet tile area will be measured)				
	a) Carpet Flooring (CT-01) <b>(Carpet is OFM)</b>	Sft	2,950		



## I.D Works - AUDITORIUM

S.#	Description	Unit	Qty	Rate	Amount
29	<b>M.S Light Cove Alongwith Floor Steps of Hall and Stage with HDF Topping</b>				
	Providing, fabrication and fixing in position of M.S Cove Alongwith Floor Steps of Hall and Stage, consisting of M.S Angle/channel of approved shape, size and gauge fixed with existing steps of hall and stage with the support of approved hardware's and fittings, including applying two coats of anti rust coating of approved brand to all M.S work & painting to all MS work with approved paint, Colour & shade, 1/2" thick HDF fixing on top & front of M.S cove as shown in drawings, complete job with all necessary fixing arrangements, all hardware's, all hardware's, wastage, cutting, fabrication, welding, lifting, drilling, clipping, scaffolding, painting, epoxy filler of approved brand, etc., complete in all respect as per drawings, specifications and as instructed by the Architect. (For Payment Net weight of Installed M.S members will be measured (except hardware's and fittings) as per approved shop drawings and B.B.S.)	Rft	564		
<b>C</b>	<b>Ceiling Finishes</b>				
30	<b>Gypsum Suspended False-Ceiling.</b>				
	Providing and installing in position gypsum board false ceiling 1/2" thick (Elephant brand, Thermec or equivalent) best quality gypsum sheet, fixed at required ceiling level hanged and supported with G.I framing system including the cost of galvanized iron adjustable clutch wire hanging system with lindapters, horizontal and vertical framework of approved material, fiber tape on joints, making (cove/Bulkheads/pelmet) of any size, shape & depth by using any approved material (MDF, HDF, Cement board, PU foam board of approved thickness), making provision of openings for all lights fixtures and providing aluminum flush band for protection of edges/corners where ever required as shown in detail drawing, applying three coats of Matt enamel paint on Wall of approved make (ICI / Berger/ Nippon), shade and quality to finished surfaces at location shown on drawings or as directed by the Architect including rubbing the surface with sand paper/carborundum stone and making the surface smooth up to required height and level, including filling the depression with wall putty including primer coat of approved quality, scraping with sand paper, cleaning the surface, complete job with all necessary fixing arrangements, all hardware's, lifting, cutting, making, fixing, scaffolding, tools, wastage, etc., as per drawing/detail, specifications and as directed by the Architects. (For payment only net horizontal surface area (L x B) will be measured with out any depth and thickness)	Sft	285		
	(Ceiling Above Stage & Control room)				



## I.D Works - AUDITORIUM

S.#	Description	Unit	Qty	Rate	Amount
31	<b>Acoustic Panel False Ceiling in Curved &amp; Streight Shapes (Option-1)</b>				
	<p>Providing and installing in position Acoustic Panel False Ceiling in Curved &amp; Streight shapes as per required design pattern, consisting of Acoustic Panels of approved brand with backing of 1/2" thick Plywood fixed at required ceiling level hanged and supported with G.I framing system including the cost of galvanized iron adjustable clutch wire hanging system with lindapters, horizontal and vertical framework of approved material, fiber tape on joints, making (cove/Bulkheads/pelmet) of any shape &amp; size of same material, making provision of openings for all lights fixtures and providing aluminum flush band for protection of edges/corners where ever required as shown in detail drawing complete job with all necessary fixing arrangements, all hardware's, lifting, cutting, making, fixing, fabrication, welding, scaffolding, tools, wastage, etc., as per drawing/detail, specifications and as directed by the Architects.</p> <p><b>(Only Acoustic Panels are OFM)</b></p> <p>(For payment only net horizontal surface area (L x B) will be measured with out any depth and thickness)</p>	Sft	1,733		



## I.D Works - AUDITORIUM

S.#	Description	Unit	Qty	Rate	Amount
32	<b>Fabric Finished False Ceiling in Curved &amp; Streight Shapes (Option-2)</b>				
	<p>Providing and installing in position Fabric Panel False Ceiling in Curved &amp; Streight shapes as per required design pattern, consisting of 1/2" thick Plywood with pasting of foam cushioning of approved thickness (by Master foam) and pasting of fabric (as per approved sample) on foam with approved adhesive to all required surfaces of false ceiling, including the cost of solignum treatment to all wood surfaces, fixing of false ceiling at required ceiling level hanged and supported with G.I framing system including the cost of galvanized iron adjustable clutch wire hanging system with lindapters, horizontal and vertical framework of approved material, fiber tape on joints, making (cove/Bulkheads/pelmet) of any shape &amp; size of same material, making provision of openings for all lights fixtures and providing aluminum flush band for protection of edges/corners where ever required as shown in detail drawing complete job with all necessary fixing arrangements, all hardware's, lifting, cutting, making, fixing, fabrication, welding, scaffolding, tools, wastage, etc., as per drawing/detail, specifications and as directed by the Architects.</p> <p>(Base Rate of Fabric Panel Rs.300/- Per Sft)</p> <p>(For payment only net horizontal surface area (L x B) will be measured with out any depth and thickness)</p>	Sft	Rate only		
33	<b>Drop Beam of Cement Board/MDF</b>				
	<p>Providing, making and fixing Drop Beam, using MDF board/Cement board of specified thickness of approved brand on both side of M.S Internal framing system of min. 14 SWG or as approved, closing bottom side of beam and all end openings with same cladding material, fixing of frame tie/hanged with structural slab/beam, including all fixing accessories and arrangements, scaffolding, making openings, cutting of electric switch board etc., as shown in drawing &amp; details, complete in all respect and as instructed by the Architect.</p> <p>(This job will be coordinated with electrical/plumbing and air-conditioning works.)</p> <p><i>Note:- "No additional payment will be provided for strengthening the internal reinforcement or framing of any size or gauge, anywhere on-site, for any reason."</i></p>				
	<p>a) 4" thick drop beam of 1/2" thick Cement board of approved brand (From SCG, Eltoro, or equivalent)</p> <p>(For Payment exposed Cladding area will be measured without any depth and thickness).</p>	Sft	86		



## I.D Works - AUDITORIUM

S.#	Description	Unit	Qty	Rate	Amount
	b) 4" thick drop beam in curved shape of 1/2" thick MDF board of approved brand (From ZRK, Merbok, Alnoor, Lasani or equivalent) (For Payment exposed Cladding area will be measured without any depth and thickness).	Sft	Rate only		
34	<b>Suspended M.S Framing For Projector</b>				
	Providing, fabrication and fixing in position of suspended M.S Framing hanged with ceiling for Projector, consisting of M.S pipe framing structure of approved size and gauge fixed/hanged with existing RCC ceiling from top with the support of approved hardware's and fittings, including applying two coats of anti rust coating of approved brand to all M.S work & painting to all MS work with approved paint, Colour & shade, complete job with all necessary fixing arrangements, all hardware's, all hardware's, wastage, cutting, fabrication, welding, lifting, drilling, clipping, scaffolding, painting, epoxy filler of approved brand, etc., complete in all respect as per drawings, specifications and as instructed by the Architect. (For Payment Net weight of complete structure will be measured as per approved shop drawings and BBS)	Kg	32		
	<b>Total Rs.</b>				



# NAJMI BILGRAMI

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W [www.najmibilgrami.com](http://www.najmibilgrami.com)



## UIT UNIVERSITY AUDITORIUM

K A R A C H I

## TENDER DRAWINGS

20-06-2025



## REGISTER OF DRAWINGS AND ISSUE



Project Name :	UIT UNIVERSITY AUDITORIUM, KARACHI
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Project No. :	I-CO-2803-UIT UNIVERSITY
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**THE FOLLOWING DRAWINGS ARE ATTACHED (check and advise sender if any missing)**

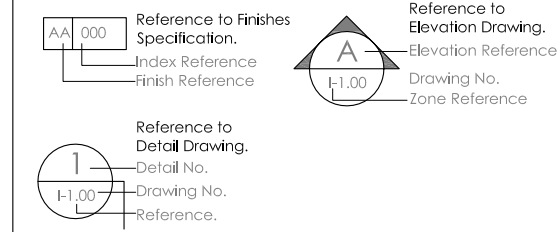
DATE OF ISSUE:

05-06-2025

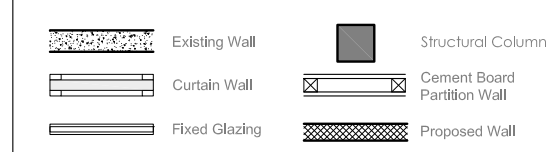
# Interior Design

DRAWING NO.	DRAWING TITLE :	SCALE :	REVISIONS
I-0.01	Title Sheet	N.T.S.	✓
I-0.02	List of Drawing	N.T.S.	✓
MASTER PLANS			
I-1.0.01	Master Plan	3/16"	✓
GENERAL ARRANGEMENT PLANS (AUDITORIUM)			
I-1.1.01	General Arrangement Plan (Auditorium)	1/4"	✓
DIMENSION PLAN (AUDITORIUM)			
I-1.2.01	Dimension & Wall Finishes Plan (Auditorium)	1/4"	✓
FURNITURE LAYOUT PLAN (AUDITORIUM)			
I-1.3.01	Furniture layout Plan (Auditorium)	1/4"	✓
I-1.3.02	Furniture layout Plan (Auditorium)	1/4"	✓
FIX FINISHES PLAN (AUDITORIUM)			
I-1.4.01	Fix Finishes Plan (Auditorium)	1/4"	✓
REFLECTED CEILING PLAN (AUDITORIUM)			
I-1.5.01	Reflected Ceiling Plan (Auditorium)	1/4"	✓
GENERAL ARRANGEMENT PLANS (BACK ALLY)			
I-1.1.02	General Arrangement Plan (Back Ally)	1/4"	✓
INTERIOR ELEVATIONS			
I-2.01	Building Elevation - A & B	1/4"	✓
I-2.02	Building Elevation - C & D	1/4"	✓
MISCELLANEOUS DETAILS			
I-3.01	Miscellaneous Details	AS SHOWN	✓
I-3.02	Miscellaneous Details	AS SHOWN	✓
I-3.03	Miscellaneous Details	AS SHOWN	✓
I-3.04	Miscellaneous Details	AS SHOWN	✓
DOOR DETAIL			
I-4.01	Door Detail	AS SHOWN	✓

### TAG LEGEND



## WALL LEGEND



## GENERAL NOTES

## 1. COORDINATION & VERIFICATION

**1. COORDINATION & VERIFICATION**  
ALL DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, STRUCTURAL, MEP, FURNITURE, CEILING, ELECTRICAL, FIRE SAFETY, AND ALL SPECIALIST CONSULTANT DRAWINGS, SPECIFICATIONS, AND DETAIL DOCUMENTS. CONTRACTOR MUST VERIFY ALL DIMENSIONS, LEVELS, AND SITE CONDITIONS PRIOR TO COMMENCEMENT OF ANY WORK. ANY DISCREPANCIES, OMISSIONS, OR CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR CLARIFICATION AND DIRECTION BEFORE PROCEEDING.

## 2. MISSING DETAILS & CLARIFICATIONS

IN THE EVENT THAT A CONSTRUCTION DETAIL IS NOT SHOWN OR PROVIDED, IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO REQUEST THE REQUIRED DETAIL FROM THE ARCHITECT. FAILURE TO REQUEST SUCH DETAILS PRIOR TO EXECUTION SHALL NOT BE USED AS A BASIS FOR ANY CLAIMS OR EXTENSIONS OF TIME. "NOT AWARE" OR "NOT SHOWN" WILL NOT BE CONSIDERED A VALID EXCUSE.

**3. LEAKAGE PREVENTION & WATERPROOFING**  
ALL WET AREAS, ROOF SLABS, DUCTS, AND SERVICE ZONES TO BE TREATED WITH SPECIFIED WATERPROOFING SYSTEMS. CONTRACTOR TO ENSURE NO LEAKAGE POINTS ARE LEFT UNSEALED. MOCK-UP AND TESTING (INCLUDING POND TESTS WHERE APPLICABLE) MUST BE CONDUCTED AND VERIFIED BY THE ARCHITECT/CONSULTANT PRIOR TO COVERING.

#### 4. WOODEN ELEMENTS

4. WOODEN ELEMENTS

ALL WOODEN SURFACES TO BE TREATED WITH ANTI-TERMITE SOLUTION AND FIRE-RETARDANT COATING PRIOR TO SITE DELIVERY OR INSTALLATION.

DOCUMENTED PROOF OF TREATMENT APPLICATION (INCLUDING MSDS AND PRODUCT DATA SHEETS) TO BE SUBMITTED FOR APPROVAL. UNTREATED OR IMPROPERLY TREATED WOOD WILL BE REJECTED AND REPLACEMENT SHALL BE CONTRACTOR'S RESPONSIBILITY.

### 5. EXPOSED METAL ELEMENTS

5. EXPOSED METAL ELEMENTS

ALL EXPOSED METAL SURFACES (INCLUDING STRUCTURAL, JOINERY SUPPORTS, FITTINGS, AND FIXTURES) TO BE COATED WITH ANTI-RUST PRIMER AND FINISH COAT SUITABLE TO SPECIFIED ENVIRONMENTAL CONDITIONS. FINAL PAINT FINISH TO BE AS PER APPROVED SAMPLE AND FREE FROM DEFECTS SUCH AS PEELING, RUST, OR DISCOLORATION.

## 6. HAZARDOUS MATERIALS & SAFETY FINISHES

6. HAZARDOUS MATERIALS OR SAFETY FINISHES  
NO HAZARDOUS, SHARP, TOXIC, OR INFLAMMABLE MATERIALS ARE TO BE LEFT  
EXPOSED IN THE BUILT ENVIRONMENT. ALL MATERIALS TO BE  
NON-COMBUSTIBLE (UNLESS SPECIFIED OTHERWISE), CHILD-SAFE (WHERE  
APPLICABLE), AND COMPLIANT WITH LOCAL HEALTH, SAFETY, AND  
ENVIRONMENTAL STANDARDS. CERTIFICATES OF CONFORMANCE TO BE  
SUBMITTED AS PART OF HANDOVER

## 7. CONSTRUCTION SAFETY & COMPLIANCE

**7. CONSTRUCTION SAFETY & COMPLIANCE**  
ALL CONSTRUCTION WORKS SHALL BE CARRIED OUT IN COMPLIANCE WITH LOCAL BUILDING CODES, OSHA STANDARDS, AND SITE SAFETY REQUIREMENTS. PERSONAL PROTECTIVE EQUIPMENT (PPE) IS MANDATORY FOR ALL WORKERS. CONTRACTOR TO ENSURE BARRICADING, SAFETY SIGNAGE, FIRE EXTINGUISHERS, AND PROPER STORAGE OF MATERIALS ON SITE.

## 8. APPROVALS & MOCK-UPS

WHEREVER REQUIRED, MOCK-UPS MUST BE PREPARED AND APPROVED PRIOR TO MASS EXECUTION. ANY WORK CARRIED OUT WITHOUT PRIOR APPROVAL, INCLUDING MATERIALS, COLOURS, SAMPLES, AND JOINERY DETAILS, SHALL BE SUBJECT TO REJECTION AT THE CONTRACTOR'S END.

## 9. DRAWING UPDATES & RECORD KEEPING

CONTRACTOR TO MAINTAIN A PRINTED SET OF LATEST GOOD-FOR-CONSTRUCTION DRAWINGS ON SITE. ANY MARK-UP OR REDLINE ADJUSTMENTS TO BE NOTED AND SHARED WITH ARCHITECT ON WEEKLY BASIS. FINAL AS-BUILT DRAWINGS TO BE PROVIDED AT PROJECT CLOSEOUT.

## 10. STANDARDS & DOCUMENTATION

**10. STANDARDS & DOCUMENTATION**  
ALL MATERIALS AND EXECUTION METHODS SHALL ADHERE TO MANUFACTURER'S GUIDELINES AND CONSTRUCTION INDUSTRY BEST PRACTICES. CONTRACTOR TO REFER TO THE PROJECT SPECIFICATION MANUAL FOR ALL TECHNICAL STANDARDS. LATEST MANUFACTURER DATASHEETS, MSDS, FIRE RATINGS, AND INSTALLATION GUIDELINES TO BE KEPT ON SITE FOR REFERENCE.

## REVISIONS

No.	Date	Description

Job :

UIT UNIVERSITY AUDITORIUM,  
KARACHI.

Title :

## LIST OF DRAWING


Design Consultant :



MEP Consultant :

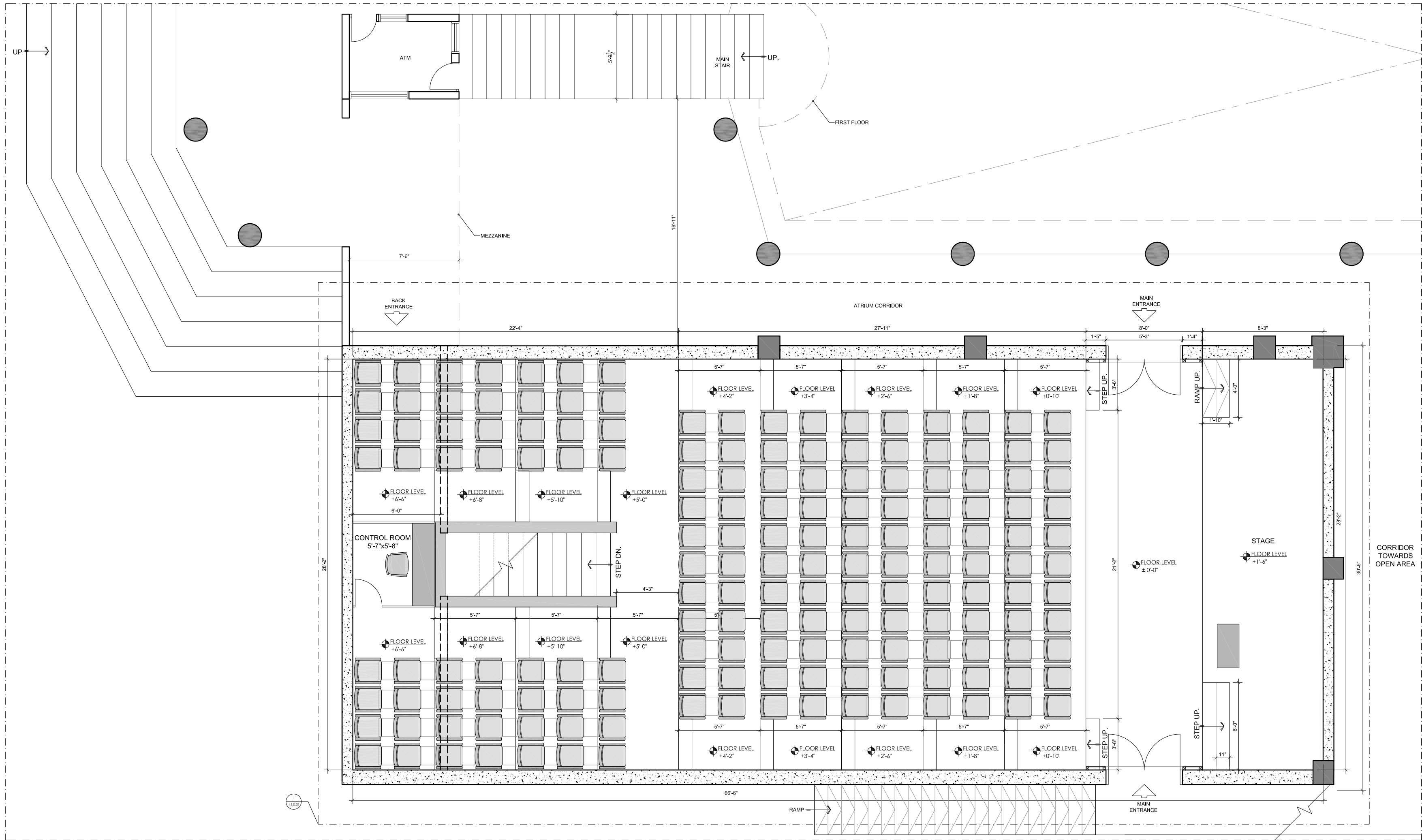
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## TENDER DRAWINGS

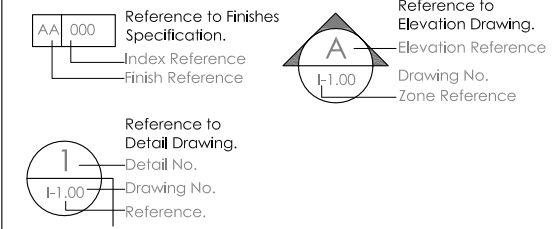
Job Arch : U.G		North : 
Checked: A.N.		
Cad By : MINHAS		
Job No : I-CO-2803		
Date : JUNE 20, 2025	Dwg. No.	<b>I-0.02</b>
Scale : N.T.S.		

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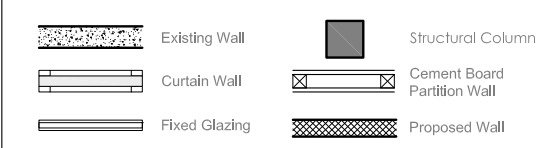




TAG LEGEND



WALL LEGEND



GENERAL NOTES

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- DRAWING UPDATES & RECORD KEEPING**  
CONTRACTOR TO MAINTAIN A PRINTED SET OF LATEST GOOD-FOR-CONSTRUCTION DRAWINGS ON SITE. ANY MARK-UP OR REDLINE ADJUSTMENTS TO BE NOTED AND SHARED WITH ARCHITECT ON WEEKLY BASIS. FINAL AS-BUILT DRAWINGS TO BE PROVIDED AT PROJECT CLOSEOUT.
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REVISIONS

No.	Date	Description

Job :  
UIT UNIVERSITY AUDITORIUM,  
KARACHI.

Title :  
MASTER PLAN

Design Consultant :  
**NAJMI  
BILGRAMI  
COLLABORATIVE (PVT) LTD**  
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F: +92-21-35870596  
W: www.najmibilgrami.com

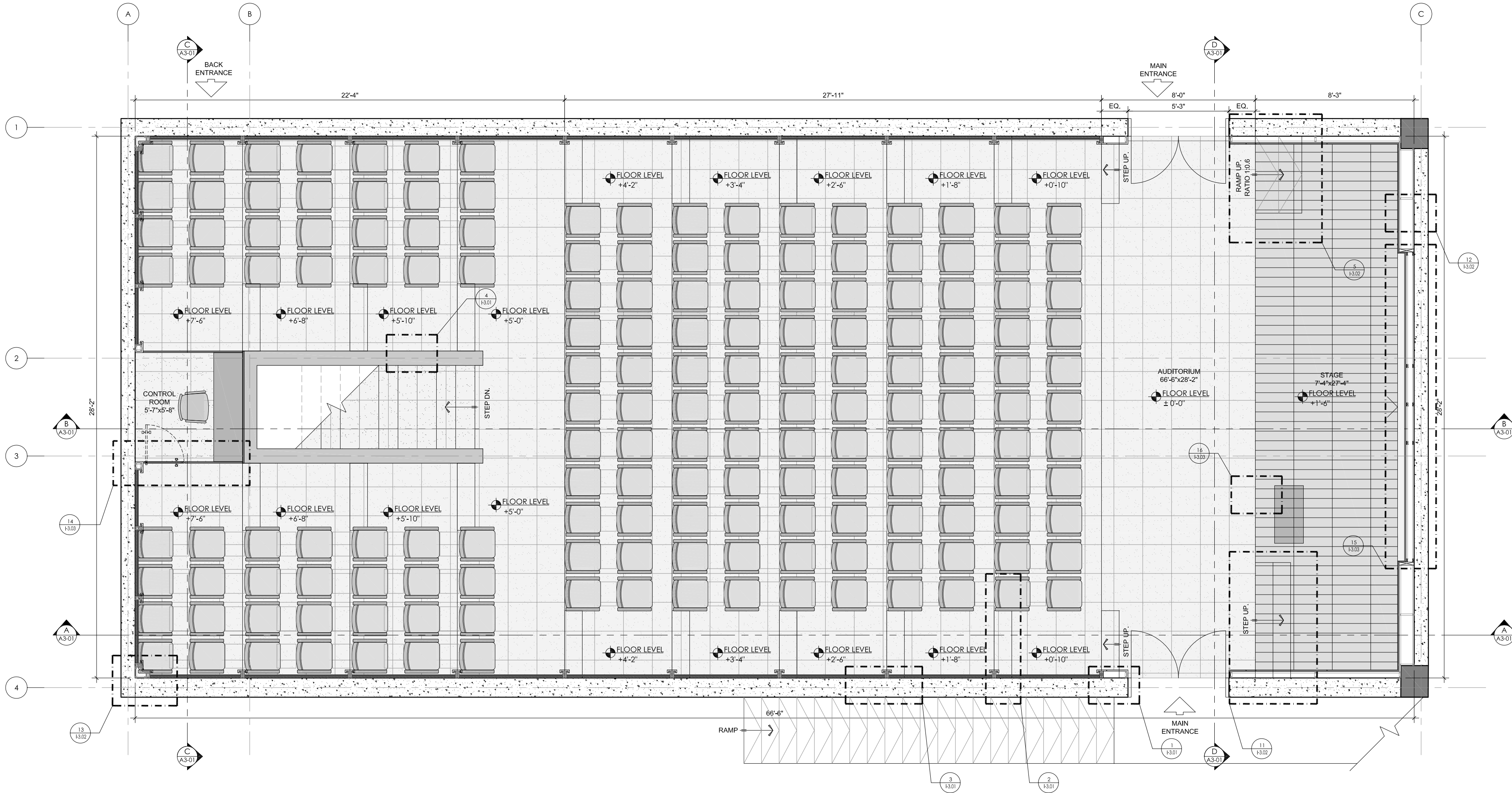
MEP Consultant :

STAMP :  
**TENDER DRAWINGS**

Job Arch : U.G.	North :
Checked: A.N.	
Coord By : MBH/HAS	
Job No : FCO-2803	
Date : JUNE 20, 2025	
Scale : 3/16" = 1'-0"	Dwg. No. <b>I-1.0.01</b>

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**TAG LEGEND**

Reference to Finishes  
Specification  
Index Reference  
Finish Reference

Reference to Elevation Drawing  
Drawing No.  
Zone Reference

Reference to Detail Drawing  
Detail No.  
Drawing No.  
Reference.

**WALL LEGEND**

Existing Wall  
Curtain Wall  
Fixed Glazing

Structural Column  
Cement Board  
Purfling Wall  
Proposed Wall

- GENERAL NOTES**
- COORDINATION & VERIFICATION**  
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  - WOODEN ELEMENTS**  
ALL WOODEN SURFACES TO BE TREATED WITH ANTI-TERMITE SOLUTION AND FIRE-RETARDANT COATING PRIOR TO SITE DELIVERY OR INSTALLATION. DOCUMENTED PROOF OF TREATMENT APPLICATION (INCLUDING MSDS AND PRODUCT DATA SHEETS) TO BE SUBMITTED FOR APPROVAL. UNTREATED OR IMPROPERLY TREATED WOOD WILL BE REJECTED AND REPLACEMENT SHALL BE CONTRACTOR'S RESPONSIBILITY.
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  - CONSTRUCTION SAFETY & COMPLIANCE**  
ALL CONSTRUCTION WORKS SHALL BE CARRIED OUT IN COMPLIANCE WITH LOCAL BUILDING CODES, OSHA STANDARDS, AND SITE SAFETY REQUIREMENTS. PERSONAL PROTECTIVE EQUIPMENT (PPE) IS MANDATORY FOR ALL WORKERS. CONTRACTOR TO ENSURE BARRICADING, SAFETY SIGNAGE, FIRE EXTINGUISHERS, AND PROPER STORAGE OF MATERIALS ON SITE.
  - APPROVALS & MOCK-UPS**  
WHEREVER REQUIRED, MOCK-UPS MUST BE PREPARED AND APPROVED PRIOR TO MASS EXECUTION. ANY WORK CARRIED OUT WITHOUT PRIOR APPROVAL, INCLUDING MATERIALS, COLOURS, SAMPLES, AND JOINERY DETAILS, SHALL BE SUBJECT TO REJECTION AT THE CONTRACTOR'S END.
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**REVISIONS**

No.	Date	Description

Job :  
UIT UNIVERSITY AUDITORIUM,  
KARACHI.

Title :  
GENERAL ARRANGEMENT PLAN  
GROUND FLOOR

Design Consultant :  
**NAJMI  
BILGRAMI  
COLLABORATIVE (PVT) LTD**  
14C, Lane 7, Main Khw-Bulhari Commercial, Phase - VI, D.O.H.A, Karachi, Pakistan.  
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F: +92-21-35807586  
W: www.najmibilgrami.com

MEP Consultant :

STAMP :  
**TENDER DRAWINGS**

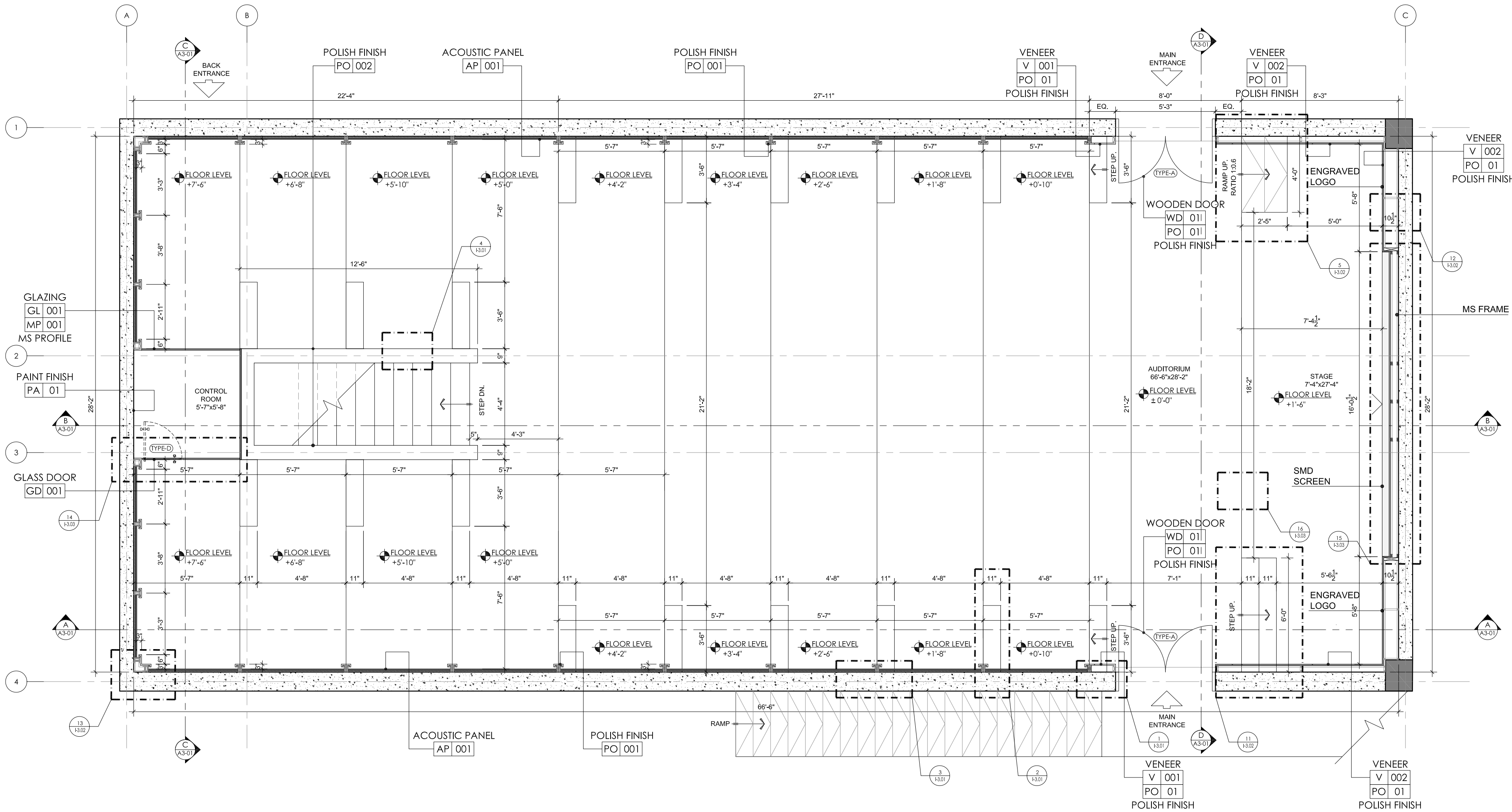
Job Arch : U.G.	North : 
Checked: A.N.	
Coord By : MBH/HAS	
Job No : FCO-2803	
Date : JUNE 20, 2025	

Scale : 1/4" = 1'-0"

Dwg. No. **I-1.1.01**

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**TAG LEGEND**

AA 000

Reference to Finishes  
Specification  
Index Reference  
Finish Reference

A

Reference to Elevation Drawing  
Elevation Reference  
Drawing No.  
Zone Reference

1

Reference to Detail Drawing  
Detail No.  
Drawing No.  
Reference.

**WALL LEGEND**

Existing Wall

Curtain Wall

Fixed Glazing

Structural Column

Cement Board Partition Wall

Proposed Wall

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**REVISIONS**

No.	Date	Description

Job :  
**UIT UNIVERSITY AUDITORIUM, KARACHI.**

Title :  
**DIMENSION PLAN GROUND FLOOR**

Design Consultant :  
**NAJMI BILGRAMI COLLABORATIVE (PVT) LTD**  
14C, Lane 7, Main Khwa-Bukhari Commercial, Phase - VI, D.O.H.A, Karachi, Pakistan.  
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W www.najmibilgrami.com

MEP Consultant :

**STAMP :**

**TENDER DRAWINGS**

Job Arch : U.G

Checked: A.N

Coord By : MHNHAS

Job No : FCO-2803

Date : JUNE 20, 2025

Scale : 1/4" = 1'-0"

North :

Dwg. No. **I-1.2-01**

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FURNITURE SCHEDULE			
ITEM NO.	DESCRIPTION	SIZE	QUANTITY
PD-01	PODIUM	1'-4" X 9'-4"	01 NO.
CH-01	AUDITORIUM CHAIR	1'-11" X 1'-9"	164 NOS.
CH-02	CONTROL ROOM CHAIR	1'-7" X 1'-4"	01 NO.
TD-01	TABLE DESK	1'-4" X 5'-4"	01 NO.

#### FURNITURE LAYOUT NOTES

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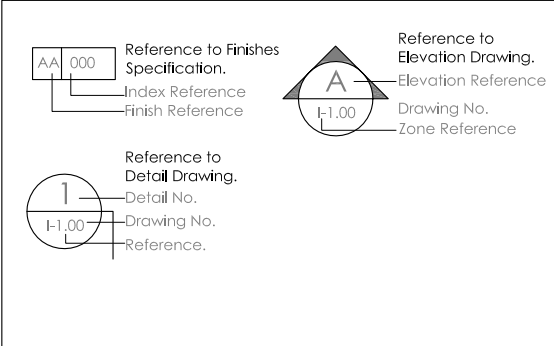
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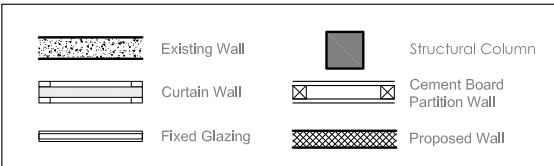
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#### TAG LEGEND



#### WALL LEGEND



#### GENERAL NOTES

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#### REVISIONS

No.	Date	Description

Job :  
UIT UNIVERSITY AUDITORIUM,  
KARACHI.

Title :  
FURNITURE PLAN  
GROUND FLOOR

Design Consultant :  
**NAJMI  
BILGRAMI**  
COLLABORATIVE (PVT) LTD  
14C, Lane 7, Main Khw-Buldhui Commercial, Phase - VI, D.O.H.A, Karachi, Pakistan.  
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F: +92-21-35871966  
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MEP Consultant :

#### STAMP :

TENDER DRAWINGS		
Job Arch : U.G	Checked: A.N	North :
Coord By : MNH/AS	Job No : FCO-2803	
Date : JUNE 20, 2025	Scale : 1/4" = 1'-0"	Dwg. No. <b>I-1.3.01</b>

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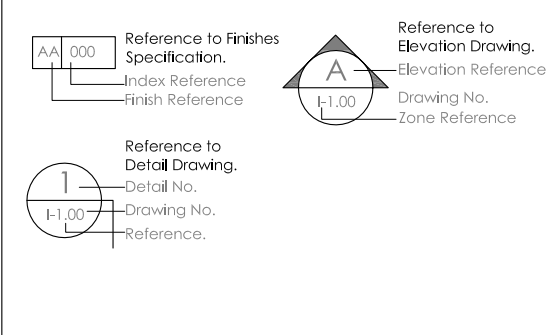


FURNITURE SCHEDULE			
ITEM NO.	DESCRIPTION	SIZE	QUANTITY
CH-01	AUDITORIUM CHAIR	1'-11" X 1'-9"	166 NO.S
CH-02	CONTROL ROOM CHAIR	1'-9" X 1'-9"	01 NO.S
GC-03	GUEST CHAIR	2'-6" X 2'-6"	04 NO.S
TD-01	TABLE DESK	1'-4" X 5'-8"	01 NO.S
ET-01	END TABLE	16" DIA	02 NO.S

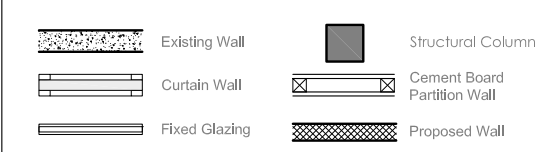
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#### TAG LEGEND



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#### REVISIONS

No.	Date	Description

Job :  
UIT UNIVERSITY AUDITORIUM,  
KARACHI.

Title :  
FURNITURE PLAN  
GROUND FLOOR

Design Consultant :  
**NAJMI  
BILGRAMI**  
COLLABORATIVE (PVT) LTD  
14C, Lane 7, Main Khw-Buldhui Commercial, Phase - VI, D.O.H.A, Karachi, Pakistan.  
T: +92-21-26242629, 26242642, 35857957, 35857960  
F: +92-21-35857956  
W: www.najmibilgrami.com

MEP Consultant :





#### STAMP :

TENDER DRAWINGS		
Job Arch : U.G	Checked: A.N	North :
Coord By : MNH/AS	Job No : I-CO-2803	
Date : JUNE 20, 2025	Scale : 1/4" = 1'-0"	Dwg. No. <b>I-1.3.02</b>

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

FIX FINISHES LEGEND:

- CT-001  CARPET TILES
- VT-001  VINYL TILE
- TT-001  TERRAZO TILES
-  START POINT

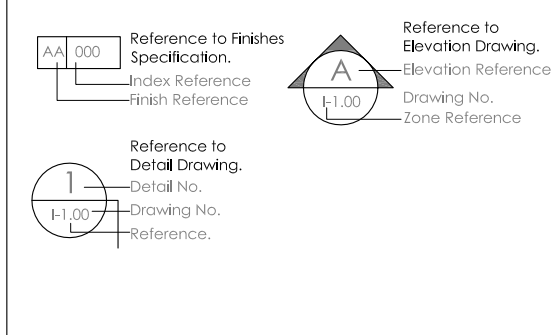
FLOORING PLAN NOTES

- NOTE 1:**  
FLOORING PLAN REPRESENTS FINISH INTENT AND PATTERN ALIGNMENT. CONTRACTOR TO VERIFY SITE LEVELS, SUBSTRATE CONDITIONS, AND ANY SERVICE LOCATIONS PRIOR TO EXECUTION.
- NOTE 2:**  
ALL FLOORING CUTS, GROUT LINES, AND MATERIAL TRANSITIONS TO BE COORDINATED AND APPROVED ON SITE BEFORE INSTALLATION. IMPROPER OR MISALIGNED INSTALLATION DUE TO NON-VERIFIED LAYOUT WILL BE RECTIFIED BY CONTRACTOR.
- NOTE 3:**  
FLOORING MATERIALS TO BE AS PER FINAL APPROVED SAMPLE BOARDS. MOCK-UP INSTALLATIONS TO BE PROVIDED FOR EACH TYPE. INSTALLATION TO PROCEED ONLY AFTER MOCK-UP APPROVAL.
- NOTE 4:**  
ANTI-SKID, FIRE-RATED, AND NON-HAZARDOUS FINISHES TO BE USED AS PER AREA FUNCTIONALITY. EDGING, TRANSITIONS, AND SKIRTINGS TO BE SAFE, FLUSH, AND FREE OF SHARP ELEMENTS.
- NOTE 5:**  
EXPANSION JOINTS, GROUT FILLING, AND SEALANTS TO BE USED AS PER MANUFACTURER'S GUIDELINES AND INDUSTRY BEST PRACTICE. DAMAGE DUE TO IMPROPER SEALING OR SUBBASE WILL BE RECTIFIED BY CONTRACTOR.
- NOTE 6:**  
ALL FLOORING INSTALLATION TO BE SUPERVISED, LEVELED, AND QA-APPROVED. MATERIAL WARRANTY CERTIFICATES TO BE SUBMITTED TO CLIENT PRIOR TO HANDOVER.

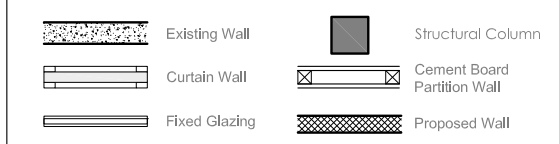
LUMINAR LEGEND:

SYMBOL	DESCRIPTION
	LED Strip Light
	WALL LIGHT
NOTE: ALL LIGHT TEMPERATURE TO BE 3000K.	

TAG LEGEND



WALL LEGEND



GENERAL NOTES

- COORDINATION & VERIFICATION**  
ALL DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, STRUCTURAL, MEP, FURNITURE, CEILING, ELECTRICAL, FIRE SAFETY, AND ALL SPECIALIST CONSULTANT DRAWINGS, SPECIFICATIONS, AND DETAIL DOCUMENTS. CONTRACTOR MUST VERIFY ALL DIMENSIONS, LEVELS, AND SITE CONDITIONS PRIOR TO COMMENCEMENT OF ANY WORK. ANY DISCREPANCIES, OMISSIONS, OR CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR CLARIFICATION AND CORRECTION BEFORE PROCEEDING.
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ALL WET AREAS, ROOF SLABS, DUCTS, AND SERVICE ZONES TO BE TREATED WITH SPECIFIED WATERPROOFING SYSTEMS. CONTRACTOR TO ENSURE NO LEAKAGE POINTS ARE LEFT UNSEALED. MOCK-UP AND TESTING INCLUDING POND TESTS (WHERE APPLICABLE) MUST BE CONDUCTED AND VERIFIED BY THE ARCHITECT/CONSULTANT PRIOR TO COVERING.
- WOODEN ELEMENTS**  
ALL WOODEN SURFACES TO BE TREATED WITH ANTI-TERMITE SOLUTION AND FIRE-RETARDANT COATING PRIOR TO SITE DELIVERY OR INSTALLATION. DOCUMENTED PROOF OF TREATMENT APPLICATION (INCLUDING MSDS AND PRODUCT DATA SHEETS) TO BE SUBMITTED FOR APPROVAL. UNTREATED OR IMPROPERLY TREATED WOOD WILL BE REJECTED AND REPLACEMENT SHALL BE CONTRACTOR'S RESPONSIBILITY.
- EXPOSED METAL ELEMENTS**  
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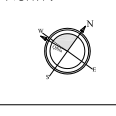
Title :  
FIX FINISHES PLAN  
GROUND FLOOR

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MEP Consultant :

STAMP :

TENDER DRAWINGS

Job Arch : U.G.	North : 
Checked: A.N.	
Coord By : MNHAS	
Job No : FCO-2803	
Date : JUNE 20, 2025	Dwg. No. <b>I-1.4.01</b>
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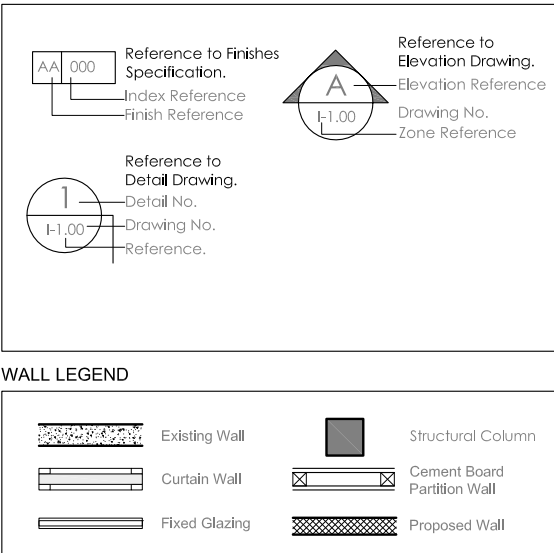
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REFLECTED CEILING PLAN (R.C.P.) NOTES

- NOTE 1:** RCP REPRESENTS DESIGN INTENT FOR HEIGHTS, FIXTURE POSITIONS, AND ALIGNMENT. ALL CEILING ELEMENTS INCLUDING LIGHTS, DIFFUSERS, ACCESS PANELS, AND SPEAKERS TO BE FULLY COORDINATED WITH ARCHITECTURAL, MEP, STRUCTURAL, AND ELECTRICAL DRAWINGS.
- NOTE 2:** ALL ELECTRICAL FIXTURES, LIGHTS, DEVICES, AND CEILING SERVICES TO BE MARKED ON SITE FOR APPROVAL PRIOR TO INSTALLATION. NO INSTALLATION SHALL PROCEED WITHOUT FINAL ON-SITE APPROVAL BY THE DESIGN TEAM.
- NOTE 3:** LACK OF MARKING, MEP COORDINATION, OR ON-SITE ALIGNMENT WILL BE THE CONTRACTOR'S FULL RESPONSIBILITY. ARCHITECT/DESIGNER SHALL NOT BE HELD LIABLE FOR ERRORS ARISING FROM MISALIGNED SERVICES OR LATE-STAGE REVISIONS DUE TO NON-COORDINATED EXECUTION.
- NOTE 4:** MEP CONTRACTOR TO ENSURE PROPER COORDINATION OF HVAC, FIRE DETECTION, EMERGENCY LIGHTING, AND SENSOR SYSTEMS AS PER CIVIL DEFENSE NORMS. FINISH ALIGNMENT TO BE REVIEWED WITH ARCHITECT PRIOR TO CUT-OUTS OR EXECUTION.
- NOTE 5:** ALL MATERIALS, FINISH COLORS, EDGE DETAILS, AND CONCEALED ACCESS PANELS TO BE EXECUTED AS PER SPECIFICATIONS. MOCK-UP CEILINGS TO BE PRESENTED FOR FINAL APPROVAL BEFORE FULL ROLL-OUT.
- NOTE 6:** AUTOMATION, DIMMING ZONES, AND ELECTRICAL CONTROL INTERFACES TO BE TESTED AND VALIDATED FOR COMPATIBILITY PRIOR TO FINAL FIXING. ANY LATE-STAGE DISRUPTIONS OR REWORK WILL BE CONTRACTOR'S RESPONSIBILITY.

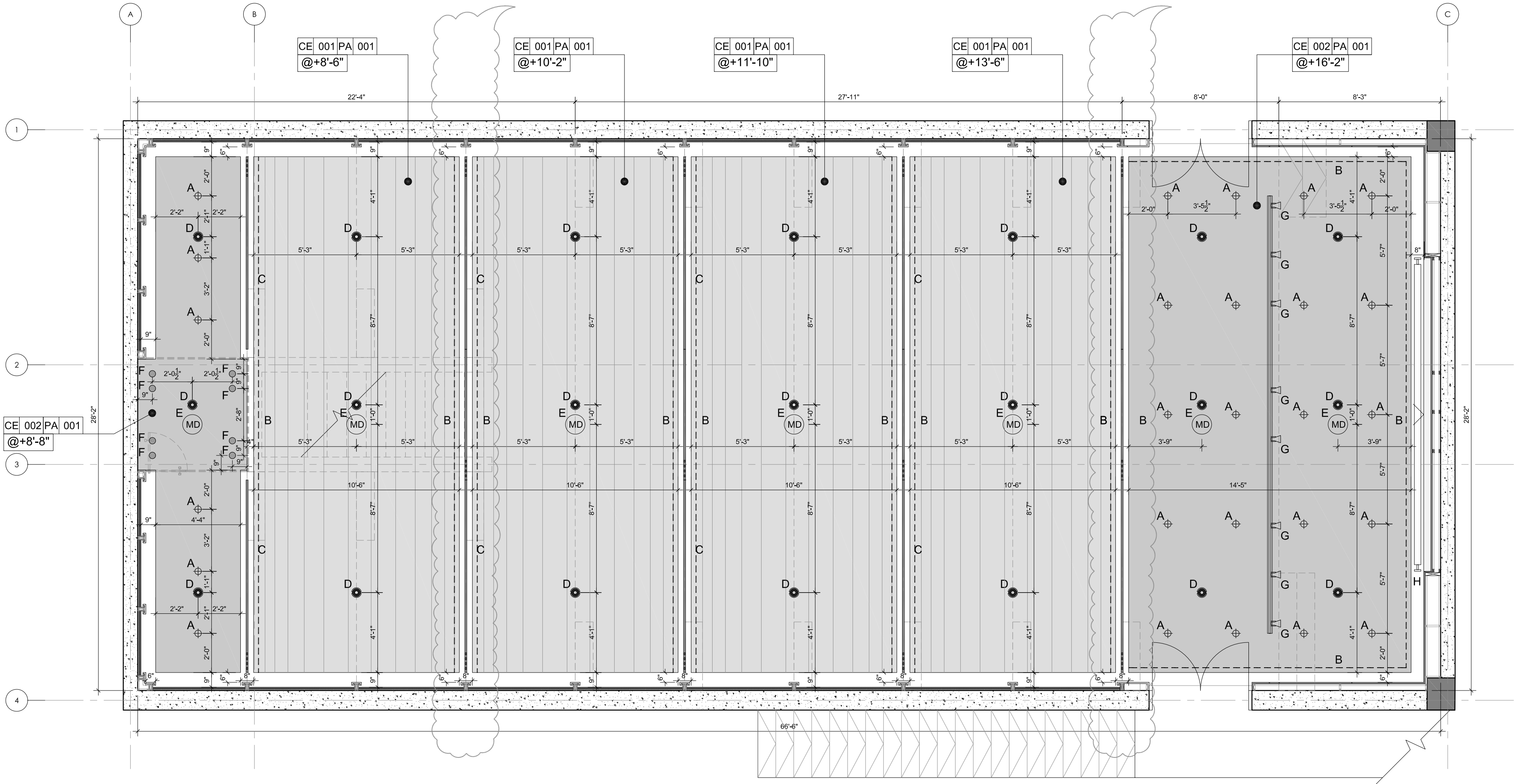
WALL LEGEND



GENERAL NOTES

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CEILING LEGEND:		
TYPE / CODE	SYMBOL	DESCRIPTION
CE-001		1/2" Thick Gypsum Ceiling Paint Finish
CE-002		1/2" Thick Gypsum Ceiling Paint Finish
A		Recessed Light
B		LED Strip Light
C		Tracklight
D		Sprinkler
E		Multi Detector
F		Recessed Light
G		Concealed Track Light
H		Projector
NOTE: ALL LIGHT TEMPERATURE TO BE 3500K.		



REVISIONS

No.	Date	Description

Job :  
UIT UNIVERSITY AUDITORIUM,  
KARACHI.

Title :  
REFLECTED CEILING PLAN  
GROUND FLOOR

Design Consultant :  
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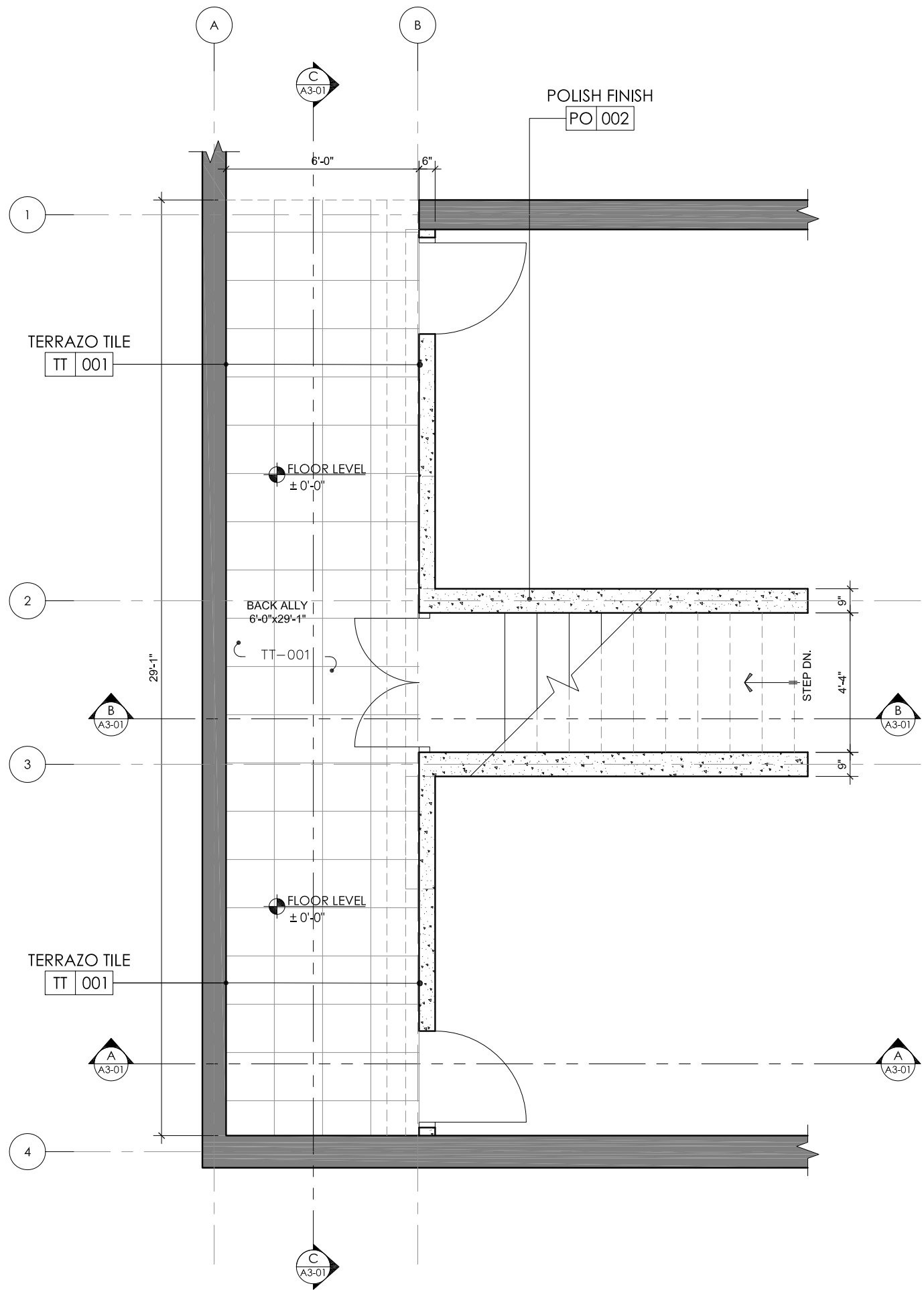
MEP Consultant :

STAMP :  
**TENDER DRAWINGS**

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Checked: A.N	
Coord By : MHHAS	
Job No : FCO-2803	
Date : JUNE 20, 2025	Dwg. No.
Scale : 1/4" = 1'-0"	<b>I-1.5.01</b>

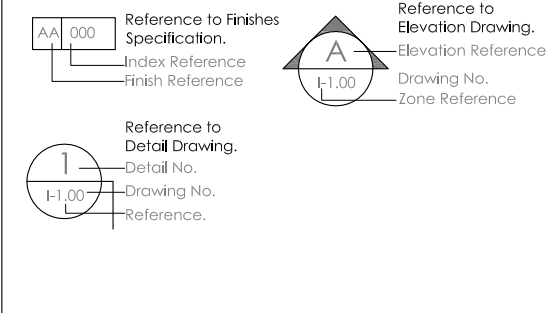
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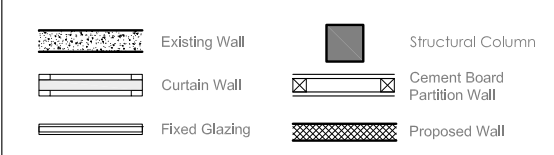


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#### TAG LEGEND



#### WALL LEGEND



#### GENERAL NOTES

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#### REVISIONS

No.	Date	Description

Job :  
UIT UNIVERSITY AUDITORIUM,  
KARACHI.

Title :  
GENERAL ARRANGEMENT PLAN  
BACK ALLY PLAN

Design Consultant :  
**NAJMI  
BILGRAMI  
COLLABORATIVE (PVT) LTD**  
14C, Lane 7, Main Kh-e-Bukhari Commercial, Phase - VI, D.O.H.A, Karachi, Pakistan.  
T: +92-21-25242629, 25242642, 35857957, 35857959  
F: +92-21-5887586  
W: www.najmibilgrami.com

MEP Consultant :

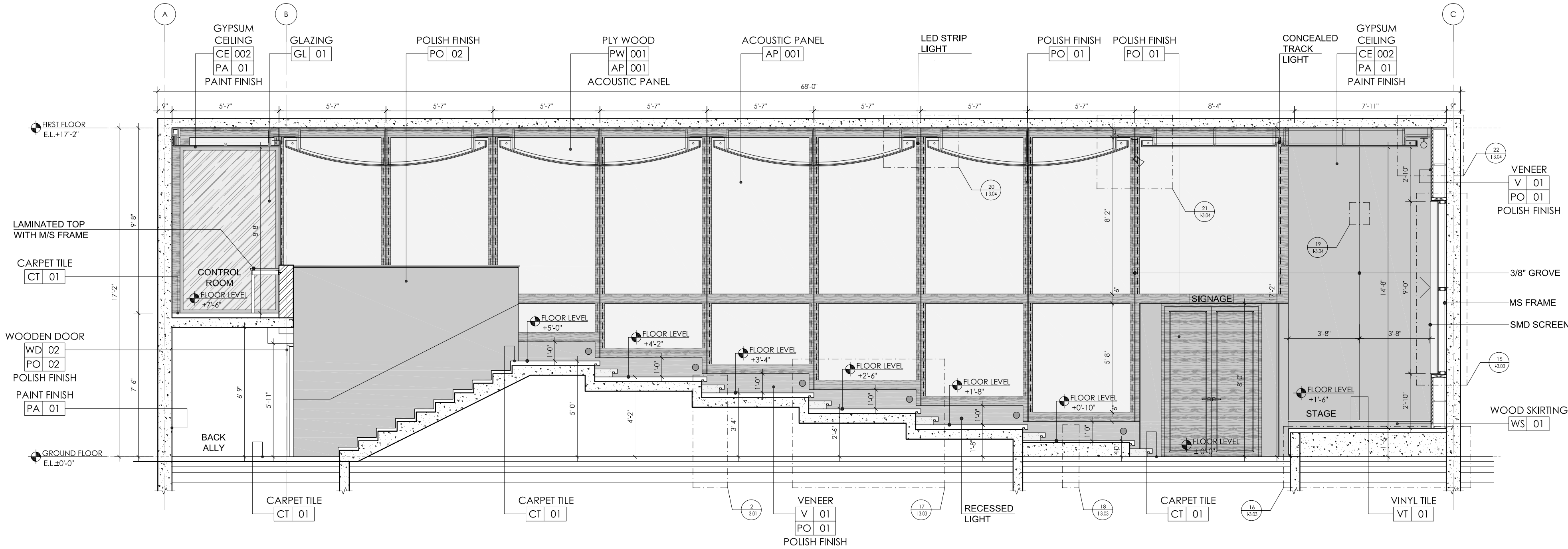
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**TENDER DRAWINGS**

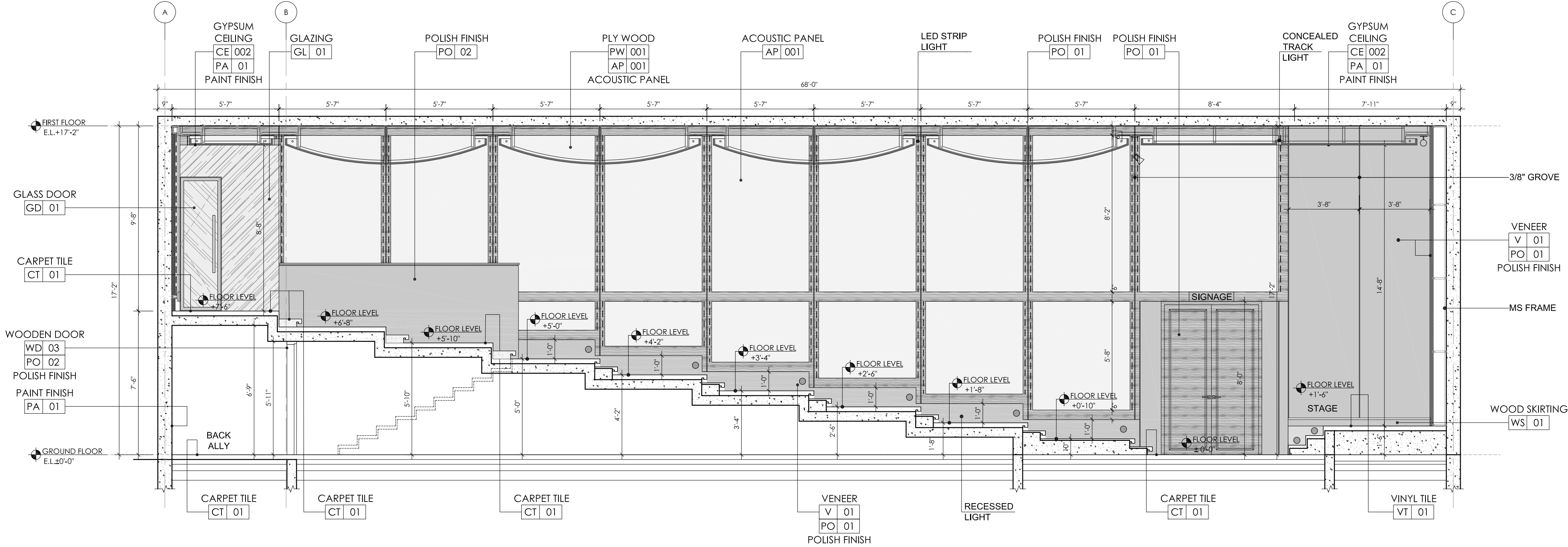
Job Arch : U.G.	
Checked: A.N.	
Coord By : MBH/HAS	
Job No : FCO-2803	
Date : JUNE 20, 2025	Dwg. No.
Scale : 1/4" = 1'-0"	<b>I-1.1.02</b>



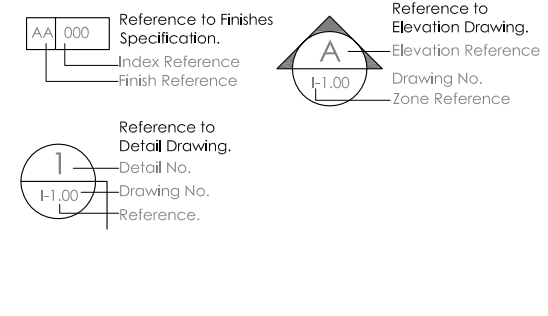
SECTION B-B



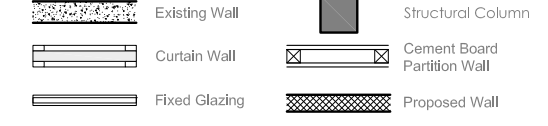
SECTION A-A



TAG LEGEND



WALL LEGEND



GENERAL NOTES

- COORDINATION & VERIFICATION**  
ALL DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, STRUCTURAL, MEP, FURNITURE, CEILING, ELECTRICAL, FIRE SAFETY, AND ALL SPECIALIST CONSULTANT DRAWINGS, SPECIFICATIONS, AND DETAIL DOCUMENTS. CONTRACTOR MUST VERIFY ALL DIMENSIONS, LEVELS, AND SITE CONDITIONS PRIOR TO COMMENCEMENT OF ANY WORK. ANY DISCREPANCIES, OMISSIONS, OR CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR CLARIFICATION AND DIRECTION BEFORE PROCEEDING.
- MISSING DETAILS & CLARIFICATIONS**  
IN THE EVENT THAT A CONSTRUCTION DETAIL IS NOT SHOWN OR PROVIDED, IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO REQUEST THE REQUIRED DETAIL FROM THE ARCHITECT. FAILURE TO REQUEST SUCH DETAILS PRIOR TO EXECUTION SHALL NOT BE USED AS A BASIS FOR ANY CLAIMS OR EXTENSIONS OF TIME. "NOT AWARE" OR "NOT SHOWN" WILL NOT BE CONSIDERED A VALID EXCUSE.
- LEAKAGE PREVENTION & WATERPROOFING**  
ALL WET AREAS, ROOF SLABS, DUCTS, AND SERVICE ZONES TO BE TREATED WITH SPECIFIED WATERPROOFING SYSTEMS. CONTRACTOR TO ENSURE NO LEAKAGE POINTS ARE LEFT UNSEALED. MOCK-UP AND TESTING INCLUDING POND TESTS (WHERE APPLICABLE) MUST BE CONDUCTED AND VERIFIED BY THE ARCHITECT/CONSULTANT PRIOR TO COVERING.
- WOODEN ELEMENTS**  
ALL WOODEN SURFACES TO BE TREATED WITH ANTI-TERMITE SOLUTION AND FIRE-RETARDANT COATING PRIOR TO SITE DELIVERY OR INSTALLATION. DOCUMENTED PROOF OF TREATMENT APPLICATION (INCLUDING MSDS AND PRODUCT DATA SHEETS) TO BE SUBMITTED FOR APPROVAL. UNTREATED OR IMPROPERLY TREATED WOOD WILL BE REJECTED AND REPLACEMENT SHALL BE CONTRACTOR'S RESPONSIBILITY.
- EXPOSED METAL ELEMENTS**  
ALL EXPOSED METAL SURFACES (INCLUDING STRUCTURAL, JOINERY SUPPORTS, FITTINGS, AND FIXTURES) TO BE COATED WITH ANTI-RUST PRIMER AND FINISH COAT SUITABLE TO SPECIFIED ENVIRONMENTAL CONDITIONS. FINAL PAINT FINISH TO BE AS PER APPROVED SAMPLE AND FREE FROM DEFECTS SUCH AS FEELING, RUST, OR DISCOLORATION.
- HAZARDOUS MATERIALS & SAFETY FINISHES**  
NO HAZARDOUS, SHARP, TOXIC, OR INFLAMMABLE MATERIALS ARE TO BE LEFT EXPOSED IN THE BUILT ENVIRONMENT. ALL MATERIALS TO BE NON-COMBUSTIBLE (UNLESS SPECIFIED OTHERWISE), CHILD-SAFE (WHERE APPLICABLE), AND COMPLIANT WITH LOCAL HEALTH, SAFETY, AND ENVIRONMENTAL STANDARDS. CERTIFICATES OF CONFORMANCE TO BE SUBMITTED AS PART OF HANDOVER.
- CONSTRUCTION SAFETY & COMPLIANCE**  
ALL CONSTRUCTION WORKS SHALL BE CARRIED OUT IN COMPLIANCE WITH LOCAL BUILDING CODES, OSHA STANDARDS, AND SITE SAFETY REQUIREMENTS. PERSONAL PROTECTIVE EQUIPMENT (PPE) IS MANDATORY FOR ALL WORKERS. CONTRACTOR TO ENSURE BARRICADING, SAFETY SIGNAGE, FIRE EXTINGUISHERS, AND PROPER STORAGE OF MATERIALS ON SITE.
- APPROVALS & MOCK-UPS**  
WHEREVER REQUIRED, MOCK-UPS MUST BE PREPARED AND APPROVED PRIOR TO MASS EXECUTION. ANY WORK CARRIED OUT WITHOUT PRIOR APPROVAL, INCLUDING MATERIALS, COLOURS, SAMPLES, AND JOINERY DETAILS, SHALL BE SUBJECT TO REJECTION AT THE CONTRACTOR'S END.
- DRAWING UPDATES & RECORD KEEPING**  
CONTRACTOR TO MAINTAIN A PRINTED SET OF LATEST GOOD-FOR-CONSTRUCTION DRAWINGS ON SITE. ANY MARK-UP OR REDLINE ADJUSTMENTS TO BE NOTED AND SHARED WITH ARCHITECT ON WEEKLY BASIS. FINAL AS-BUILT DRAWINGS TO BE PROVIDED AT PROJECT CLOSEOUT.
- STANDARDS & DOCUMENTATION**  
ALL MATERIALS AND EXECUTION METHODS SHALL ADHERE TO MANUFACTURER'S GUIDELINES AND CONSTRUCTION INDUSTRY BEST PRACTICES. CONTRACTOR TO REFER TO THE PROJECT SPECIFICATION MANUAL FOR ALL TECHNICAL STANDARDS, LATEST MANUFACTURER DATASHEETS, MSDS, FIRE RATINGS, AND INSTALLATION GUIDELINES TO BE KEPT ON SITE FOR REFERENCE.

REVISIONS

No.	Date	Description

Job :  
UIT UNIVERSITY AUDITORIUM,  
KARACHI.

Title :  
INTERIOR ELEVATIONS

Design Consultant :  
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COLLABORATIVE (PVT) LTD  
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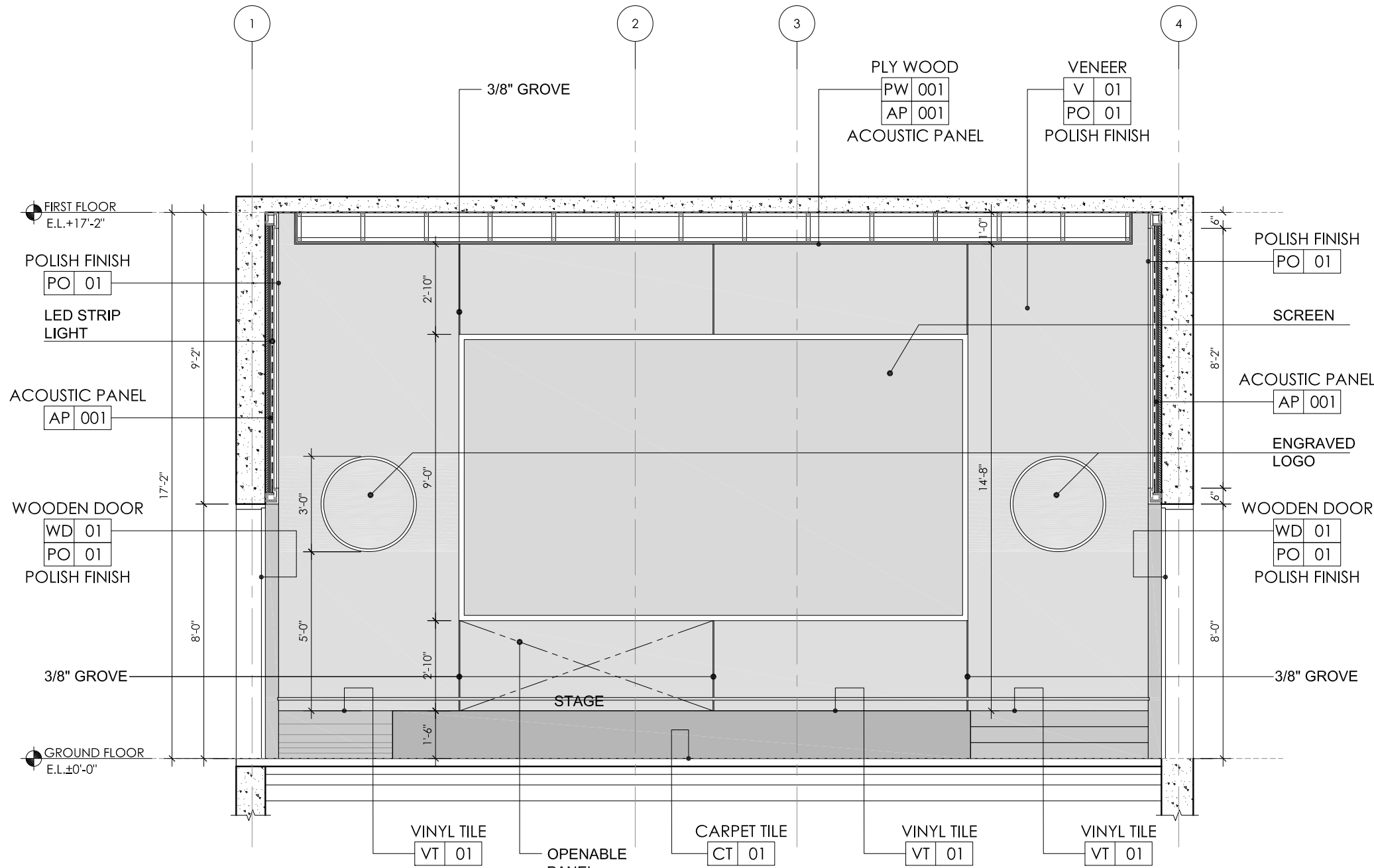
MEP Consultant :

STAMP : <b>TENDER DRAWINGS</b>	
Job Arch : U.G.	North :
Checked: A.N.	
Coord By : MNHAS	
Job No : FCO-2803	
Date : JUNE 20, 2025	Dwg. No. <b>I-2.01</b>
Scale : 1/4" = 1'-0"	

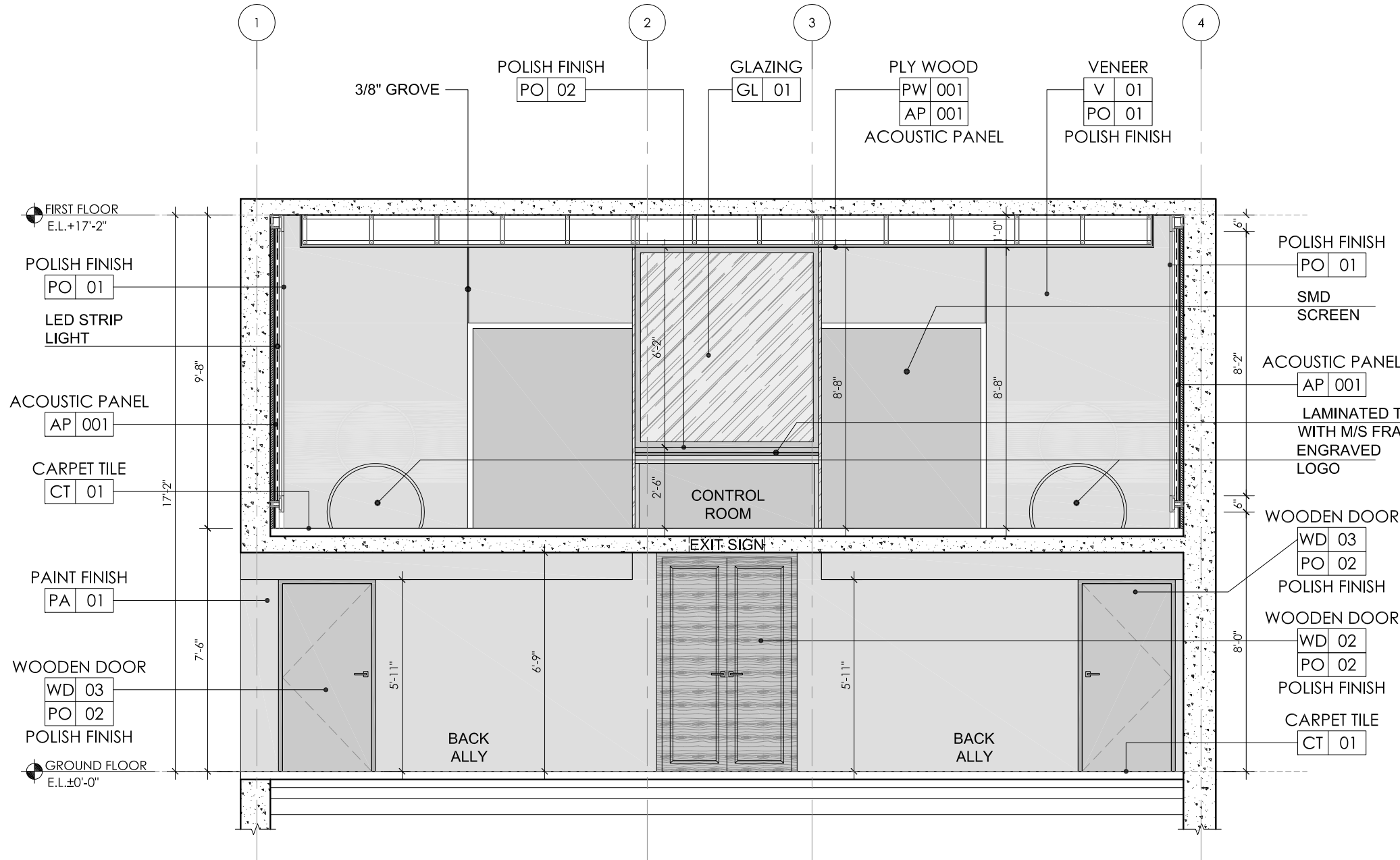
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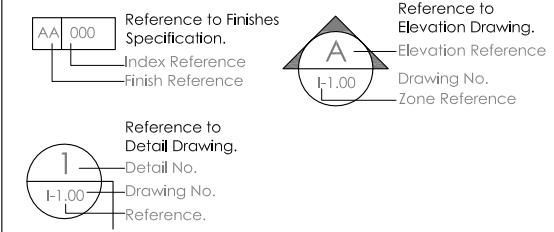
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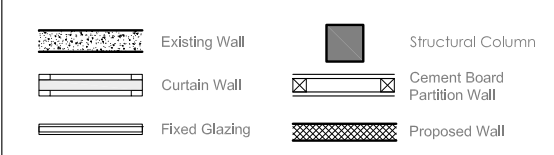
SECTION C-C



TAG LEGEND



WALL LEGEND



GENERAL NOTES

- COORDINATION & VERIFICATION**  
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- WOODEN ELEMENTS**  
ALL WOODEN SURFACES TO BE TREATED WITH ANTI-TERMITE SOLUTION AND FIRE-RETARDANT COATING PRIOR TO SITE DELIVERY OR INSTALLATION. DOCUMENTED PROOF OF TREATMENT APPLICATION (INCLUDING MSDS AND PRODUCT DATA SHEETS) TO BE SUBMITTED FOR APPROVAL. UNTREATED OR IMPROPERLY TREATED WOOD WILL BE REJECTED AND REPLACEMENT SHALL BE CONTRACTOR'S RESPONSIBILITY.
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- DRAWING UPDATES & RECORD KEEPING**  
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- STANDARDS & DOCUMENTATION**  
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REVISIONS

No.	Date	Description

Job :  
UIT UNIVERSITY AUDITORIUM,  
KARACHI.

Title :  
INTERIOR ELEVATIONS

Design Consultant :  
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BILGRAMI  
COLLABORATIVE (PVT) LTD**  
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F +92-21-35870586  
W: www.najmibilgrami.com

MEP Consultant :

STAMP :  
**TENDER DRAWINGS**

Job Arch : U.G.	North :
Checked: A.N.	
Coord By : MBH/HAS	
Job No : I-CO-2803	
Date : JUNE 20, 2025	
Scale :	Dwg. No. <b>I-2.02</b>

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SCALE:  $3'' = 1' - 0''$



SCALE:  $3'' = 1' - 0''$



SCALE:3''=1'-0''



SCALE:3''=1'-0''









SCALE:3''=1'-0''



SCALE:  $1 - 1/2'' = 1' - 0''$

### WALL LEGEND

	Existing Wall		Structural Column
	Curtain Wall		Cement Board Partition Wall
	Fixed Glazing		Proposed Wall

## GENERAL NOTES

- 1. COORDINATION & VERIFICATION**

ALL DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, STRUCTURAL, MEP, FURNITURE, CEILING, ELECTRICAL, FIRE SAFETY, AND ALL OTHER RELEVANT DRAWINGS. ALL DISCREPANCIES AND DETAILS CONFLICTING BETWEEN CONTRACTOR MUST VERIFY ALL DIMENSIONS, LEVELS, AND SITE CONDITIONS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES, OMISSIONS, OR CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR CLARIFICATION AND DIRECTION BEFORE PROCEEDING.
- 2. UNREVEALED CLADDING**

IN THE EVENT THAT A CONSTRUCTION DETAIL IS NOT SHOWN OR PROVIDED, IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO REQUEST THE REQUIRED INFORMATION FROM THE ARCHITECT. ANY ASSUMPTIONS MADE PRIOR TO EXECUTION SHALL NOT BE USED AS A BASIS FOR ANY CLAIMS OR EXTENSIONS OF TIME OR AWARE; OR "NOT SHOWN" WILL NOT BE CONSIDERED A VALID EXCUSE.
- 3. LEAKAGE PREVENTION & WATERPROOFING**

ALL EXPOSED MATERIALS TO BE TREATED WITH PRESERVATIVE ZONES TO BE TREATED WITH SPECIFIED WATERPROOFING SYSTEMS. CONTRACTOR TO ENSURE NO LEAKAGE POINTS ARE LEFT UNSEALED. MOCK-UP AND TESTING (INCLUDING POOL TESTS AND WATER PENETRATION TESTS) MUST BE CONDUCTED AND VERIFIED BY THE ARCHITECT/CONSULTANT PRIOR TO COVERING.
- 4. WOODEN ELEMENTS**

ALL WOODEN ELEMENTS TO BE TREATED WITH ANTI-TERMITE SOLUTION AND FIRE-RETARDANT COATING PRIOR TO SITE DELIVERY OR INSTALLATION. DOCUMENTED PROOF OF TREATMENT APPLICATION (INCLUDING MSDS AND TREATMENT SHEETS) TO BE SUBMITTED TO THE ARCHITECT. UNTREATED WOOD OR IMPROPERLY TREATED WOOD WILL BE REJECTED AND REPLACEMENT SHALL BE COVERED BY THE CONTRACTOR.
- 5. EXPOSED METAL ELEMENTS**

ALL EXPOSED METAL SURFACES (INCLUDING STRUCTURAL, JOINTERY SURFACES, FITTINGS, AND FIXTURES) TO BE COATED WITH ANTI-RUST PRIMER AND FINISH COATING. COATING SYSTEMS TO BE SPECIFIED AND VERIFIED BY THE ARCHITECT. FINISHES TO BE AS PER APPROVED SAMPLE AND FREE FROM DEFECTS SUCH AS PEELING, BUBBLING, OR CORROSION.
- 6. HAZARDOUS MATERIALS & SAFETY FINISHES**

NO HAZARDOUS, SHARP, TOXIC, OR INFLAMMABLE MATERIALS ARE TO BE LEFT EXPOSED. ALL FINISHES TO BE NON-TOXIC AND COMPLIANT WITH LOCAL AND INTERNATIONAL STANDARDS. FINISHES OF NON-COMBUSTIBLE (UNLESS SPECIFIED OTHERWISE), CHILD-SAFE (WHERE APPLICABLE), AND COMPLIANT WITH LOCAL HEALTH, SAFETY, AND ENVIRONMENTAL STANDARDS. FINISHES OF NON-COMBUSTIBLE TO BE SUBMITTED AS PART OF HANDOVER.
- 7. CONSTRUCTION SAFETY & COMPLIANCE**

ALL CONSTRUCTION ACTIVITIES TO BE CARRIED OUT IN COMPLIANCE WITH LOCAL BUILDING CODES, OSHA STANDARDS, AND SITE SAFETY REQUIREMENTS. PERSONAL PROTECTIVE EQUIPMENT (PPE) IS MANDATORY FOR ALL WORKERS. TO ENSURE BARRIER COMPLIANCE, SITE SIGNAGE, FIRE EXTINGUISHERS, AND PROPER STORAGE OF MATERIALS ON SITE.
- 8. APPROVALS & MOCK-UPS**

ALL FINISHES, COATINGS, AND JOINTS MUST BE PREPARED AND APPROVED PRIOR TO MASS CONSTRUCTION. JOINTS MUST BE CARRIED OUT WITHOUT PRIOR APPROVAL. FINISHES TO BE SUBMITTED TO THE ARCHITECT FOR APPROVAL. APPROVAL SHALL BE SUBJECT TO REJECTION AT THE CONTRACTOR'S RISK.
- 9. DRAWING UPDATES & RECORD KEEPING**

ALL DRAWING UPDATES MUST BE APPROVED BY THE ARCHITECT. LATEST GO-FOR CONSTRUCTION DRAWINGS ON SITE. ANY MARK-UP OR REDLINE ADJUSTMENTS TO BE NOTED AND SHARED WITH ARCHITECT ON WEEKLY BASIS. FINISHING TO BE PROVIDED BY PROJECT CLOSURE.
- 10. STANDARDS & DOCUMENTATION**

ALL MATERIALS AND EXECUTION METHODS SHALL ADHERE TO MANUFACTURER'S SPECIFICATIONS. CONSTRUCTION DOCUMENTS TO BE REFERRED TO IN REFERENCE TO THE PROJECT SPECIFICATION MANUAL FOR ALL TECHNICAL REQUIREMENTS. MATERIAL CERTIFICATES, TEST REPORTS, RATINGS, AND INSTALLATION GUIDELINES TO BE KEPT ON SITE FOR REFERENCE.

REVISIONS		
No.	Date	Description

Job :  
UIT UNIVERSITY AUDITORIUM,  
KARACHI.

Title : MISCELLANEOUS DETAILS

Design Consultant :


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MEP Consultant :

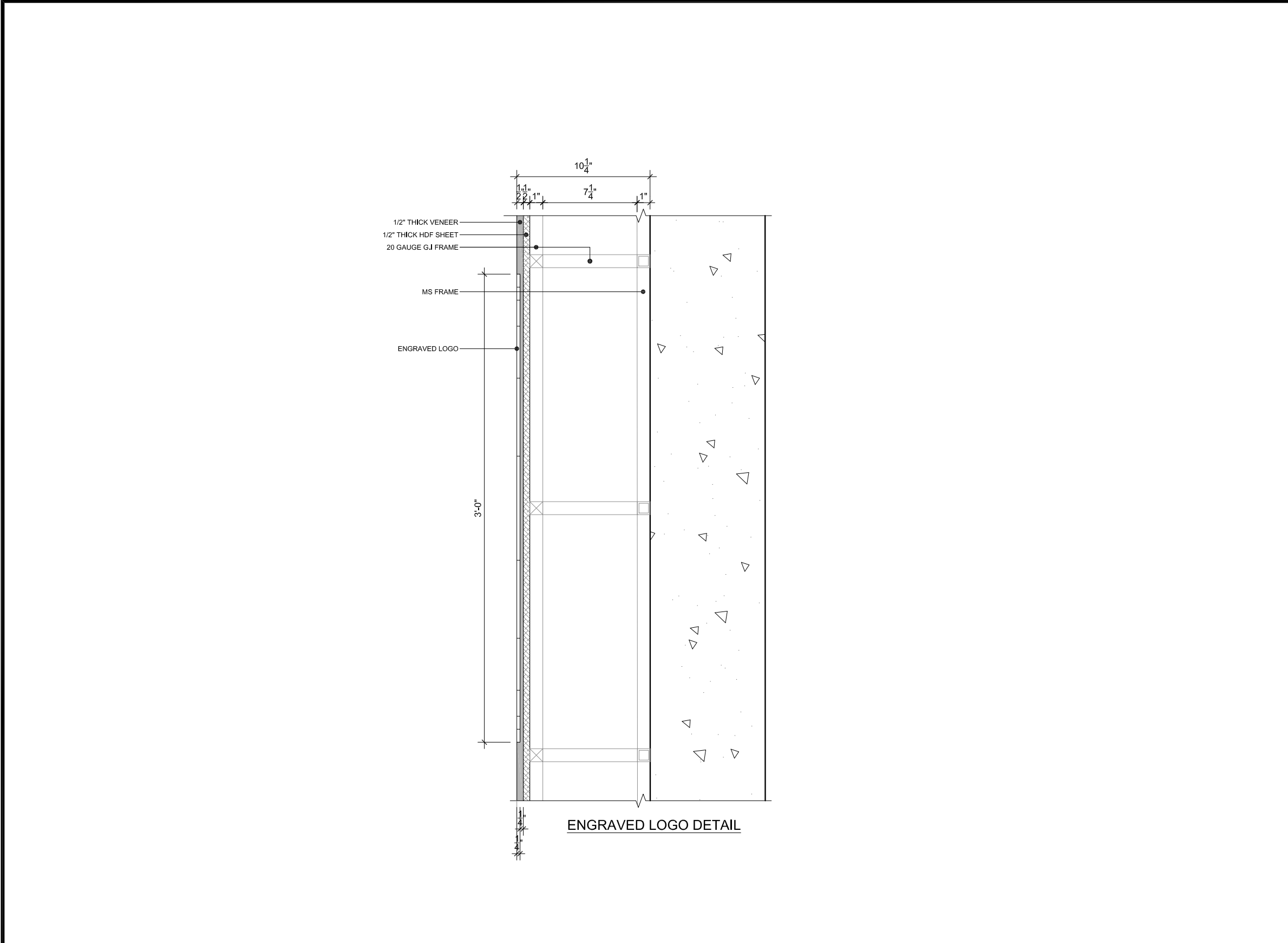
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**TENDER DRAWINGS**

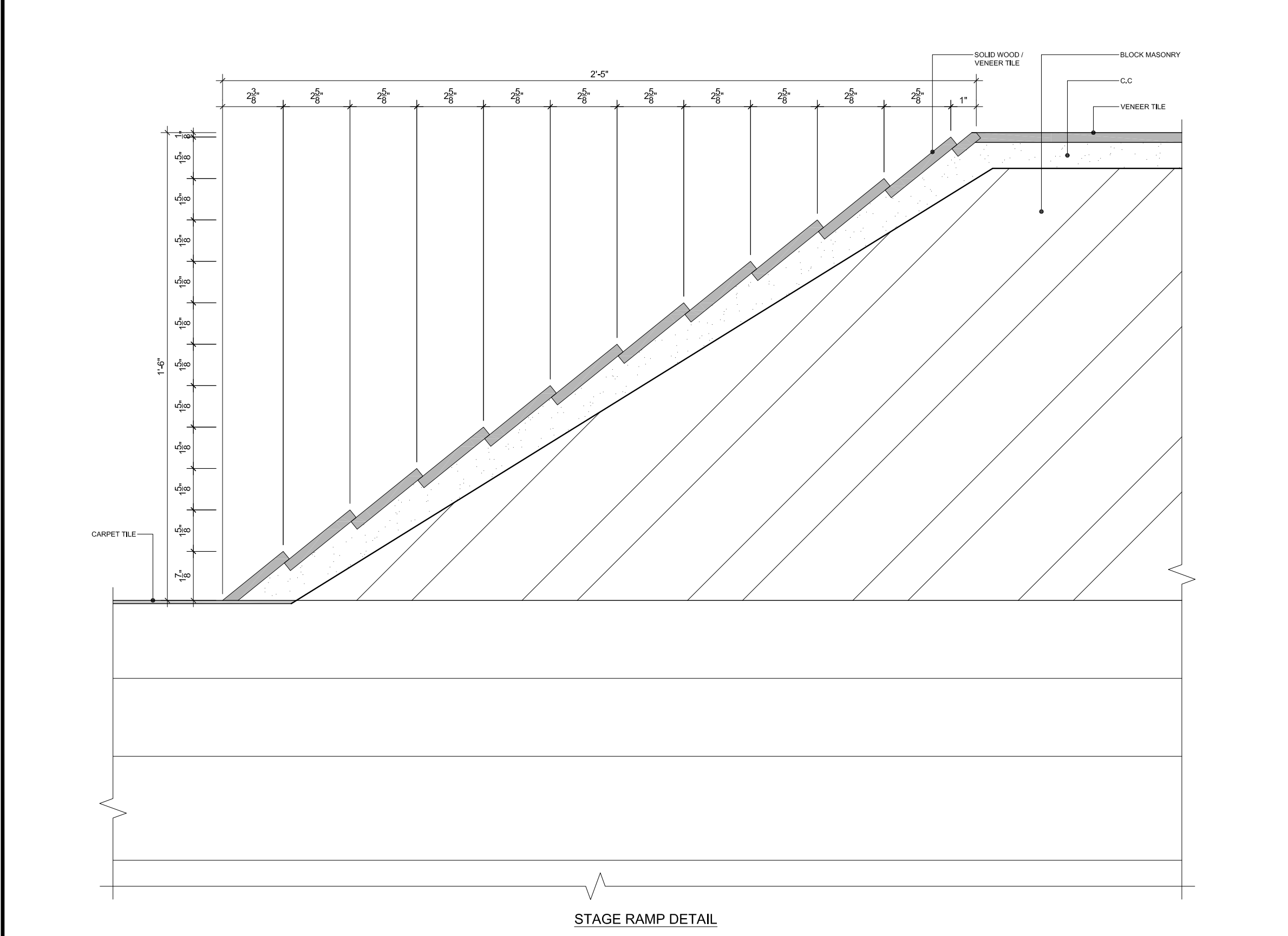
Job Arch : U.G		North : 
Checked: A.N.		
Cad By : MINHAS		
Job No : I-CO-2803		
Date : JUNE 20, 2025	Dwg. No.	<b>I-3.01</b>
Scale : AS SHOWN		

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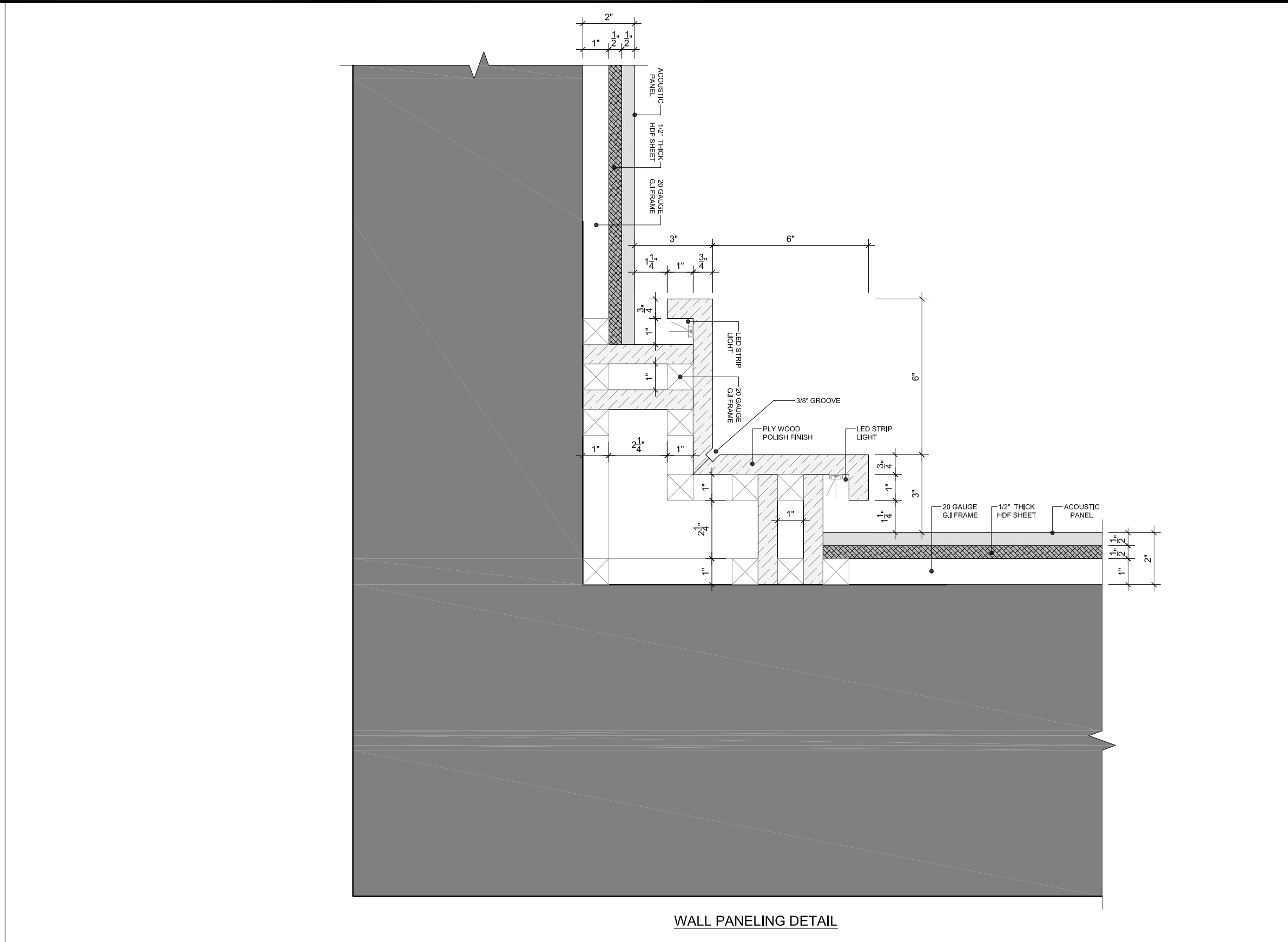




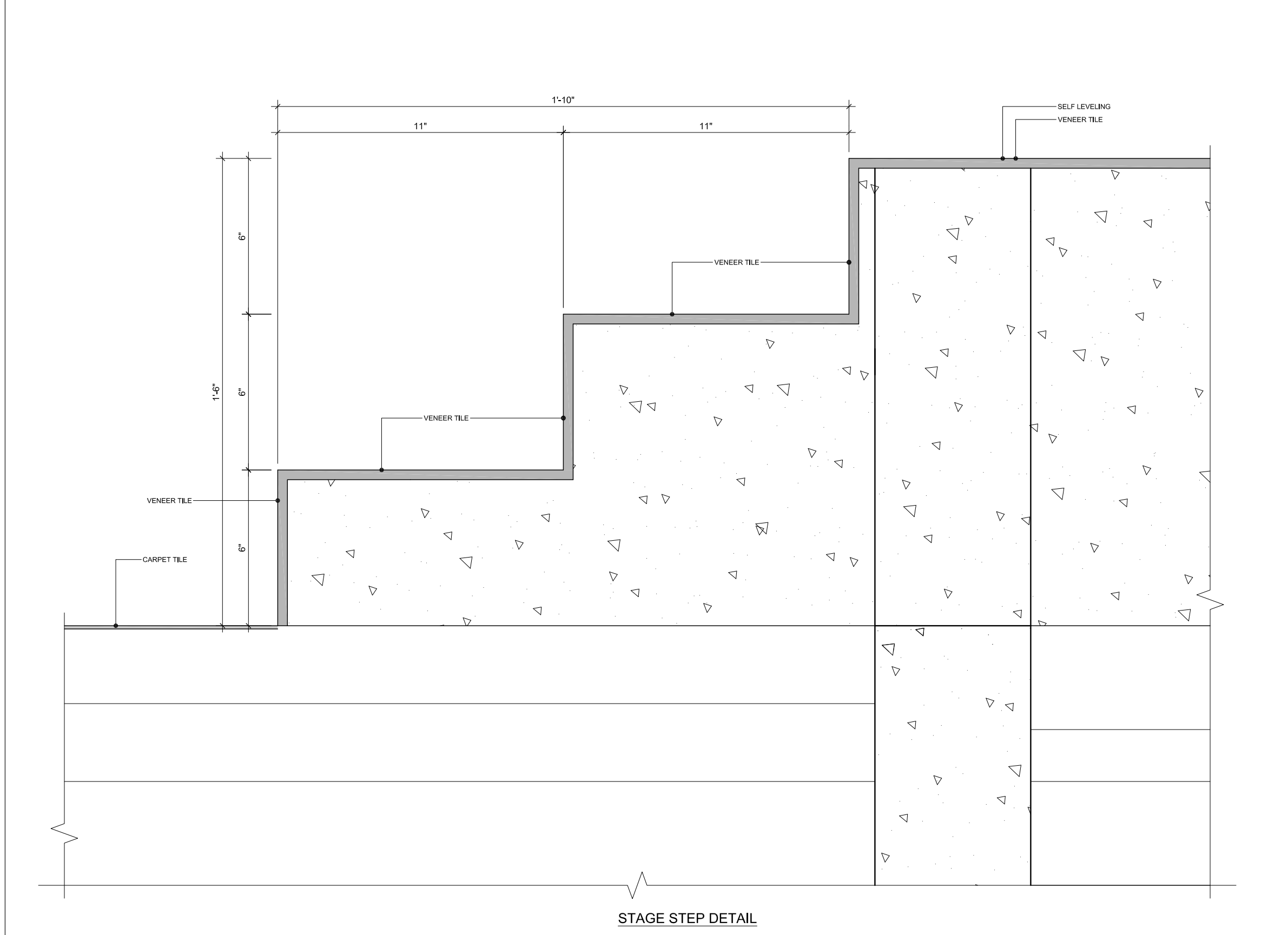
DETAIL-12 SCALE: 1'-1/2" = 1'-0"



DETAIL-05 SCALE: 3" = 1'-0"



DETAIL-13 SCALE: 3" = 1'-0"



DETAIL-11 SCALE: 3" = 1'-0"

TAG LEGEND

AA 000

Reference to Finishes Specification

Index Reference

Finish Reference

1

Reference to Detail Drawing

1-1.00

Detail No.

1-1.00

Drawing No.

1-1.00

Reference

A

Reference to Elevation Drawing

1-1.00

Elevation Reference

1-1.00

Drawing No.

1-1.00

Zone Reference

WALL LEGEND

Existing Wall

Curtain Wall

Fixed Glazing

Structural Column

Cement Board Partition Wall

Proposed Wall

- GENERAL NOTES
1. COORDINATION & VERIFICATION

ALL DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, STRUCTURAL, MEP, FURNITURE, CEILING, ELECTRICAL, FIRE SAFETY, AND ALL SPECIALIST CONSULTANT DRAWINGS, SPECIFICATIONS, AND DETAIL DOCUMENTS. CONTRACTOR MUST VERIFY ALL DIMENSIONS, LEVELS, AND SITE CONDITIONS PRIOR TO COMMENCEMENT OF ANY WORK. ANY DISCREPANCIES, OMISSIONS, OR CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR CLARIFICATION AND DIRECTION BEFORE PROCEEDING.
2. MISSING DETAILS & CLARIFICATIONS

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3. LEAKAGE PREVENTION & WATERPROOFING

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4. WOODEN ELEMENTS

ALL WOODEN SURFACES TO BE TREATED WITH ANTI-TERMITE SOLUTION AND FIRE-RETARDANT COATING PRIOR TO SITE DELIVERY OR INSTALLATION. DOCUMENTED PROOF OF TREATMENT APPLICATION (INCLUDING MSDS AND PRODUCT DATA SHEETS) TO BE SUBMITTED FOR APPROVAL. UNTREATED OR IMPROPERLY TREATED WOOD WILL BE REJECTED AND REPLACEMENT SHALL BE CONTRACTOR'S RESPONSIBILITY.
5. EXPOSED METAL ELEMENTS

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6. HAZARDOUS MATERIALS & SAFETY FINISHES

NO HAZARDOUS, SHARP, TOXIC, OR INFLAMMABLE MATERIALS ARE TO BE LEFT EXPOSED IN THE BUILT ENVIRONMENT. ALL MATERIALS TO BE NON-COMBUSTIBLE (UNLESS SPECIFIED OTHERWISE), CHILD-SAFE (WHERE APPLICABLE), AND COMPLIANT WITH LOCAL HEALTH, SAFETY, AND ENVIRONMENTAL STANDARDS. CERTIFICATES OF CONFORMANCE TO BE SUBMITTED AS PART OF HANDOVER.
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ALL CONSTRUCTION WORKS SHALL BE CARRIED OUT IN COMPLIANCE WITH LOCAL BUILDING CODES, OSHA STANDARDS, AND SITE SAFETY REQUIREMENTS. PERSONAL PROTECTIVE EQUIPMENT (PPE) IS MANDATORY FOR ALL WORKERS. CONTRACTOR TO ENSURE BARRICADING, SAFETY SIGNAGE, FIRE EXTINGUISHERS, AND PROPER STORAGE OF MATERIALS ON SITE.
8. APPROVALS & MOCK-UPS

WHEREVER REQUIRED, MOCK-UPS MUST BE PREPARED AND APPROVED PRIOR TO MASS EXECUTION. ANY WORK CARRIED OUT WITHOUT PRIOR APPROVAL, INCLUDING MATERIALS, COLOURS, SAMPLES, AND JOINERY DETAILS, SHALL BE SUBJECT TO REJECTION AT THE CONTRACTOR'S END.
9. DRAWING UPDATES & RECORD KEEPING

CONTRACTOR TO MAINTAIN A PRINTED SET OF LATEST GOOD-FOR-CONSTRUCTION DRAWINGS ON SITE. ANY MARK-UP OR REDLINE ADJUSTMENTS TO BE NOTED AND SHARED WITH ARCHITECT ON WEEKLY BASIS. FINAL AS-BUILT DRAWINGS TO BE PROVIDED AT PROJECT CLOSEOUT.
10. STANDARDS & DOCUMENTATION

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REVISIONS		
No.	Date	Description

Job :  
UIT UNIVERSITY AUDITORIUM,  
KARACHI.

Title :  
MISCELLANEOUS DETAILS

Design Consultant :  
**NAJMI  
BILGRAMI**  
COLLABORATIVE (PVT) LTD  
14C, Lane 7, Main Khwa-Bukhari Commercial, Phase - VI, D.O.H.A, Karachi, Pakistan.  
T: +92-21-25242629, 25242642, 35857957, 35857960  
F: +92-21-56670566  
W: www.najmibilgrami.com

MEP Consultant :

STAMP :  
**TENDER DRAWINGS**

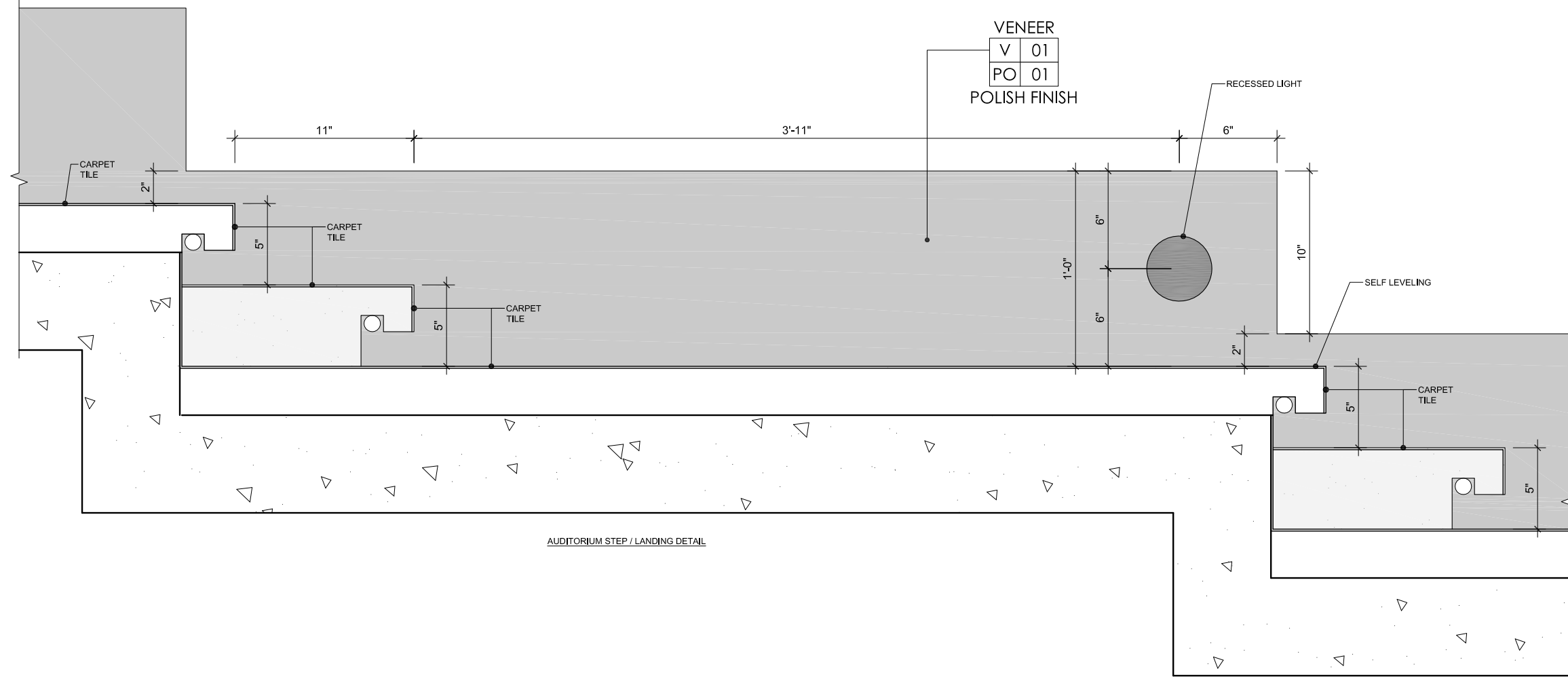
Job Arch : U.G.  
Checked: A.N.  
Cad By : MBH/HAS  
Job No : FCO-2803  
Date : JUNE 20, 2025  
Scale : AS SHOWN

North :

Dwg. No.  
**I-3.02**

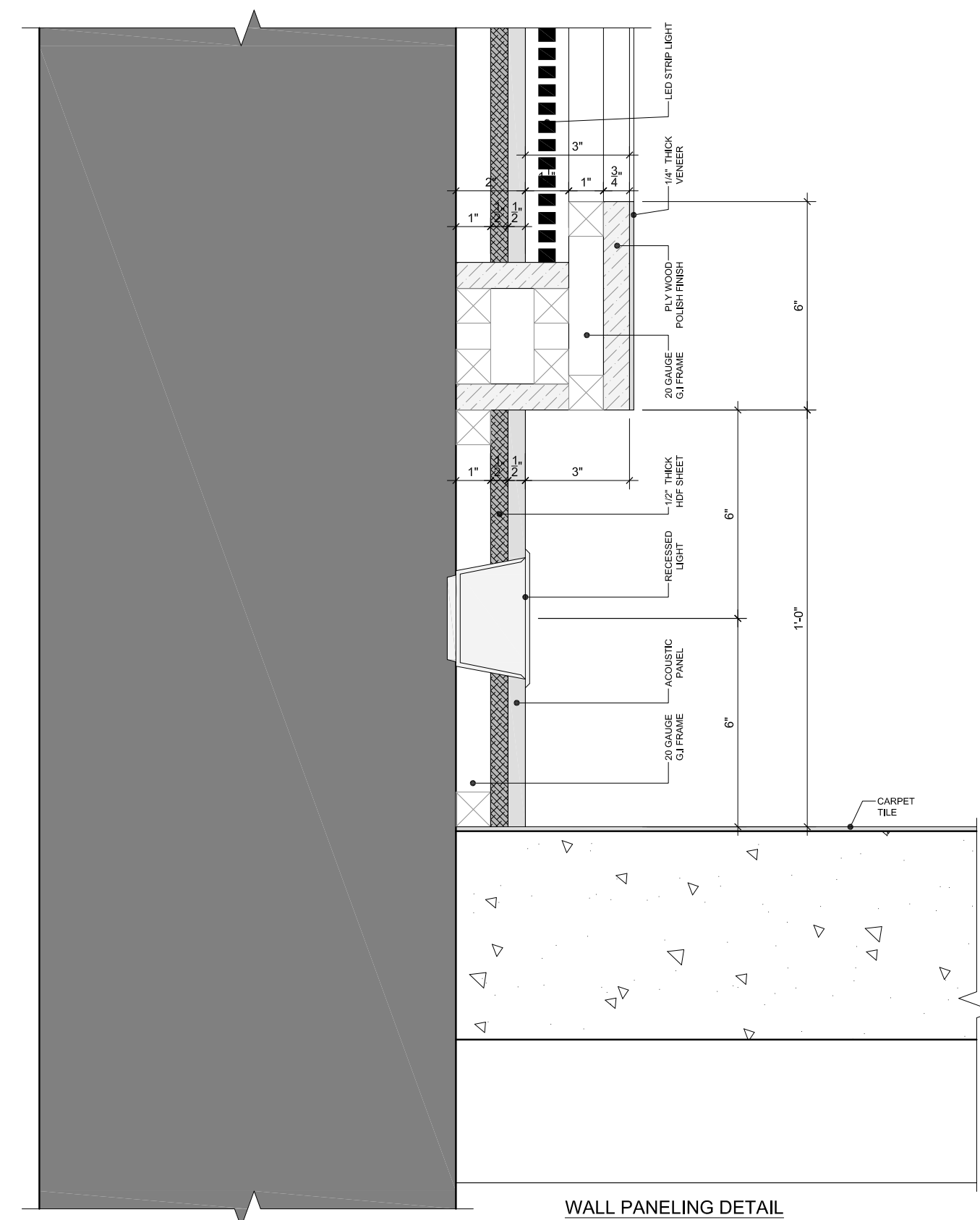
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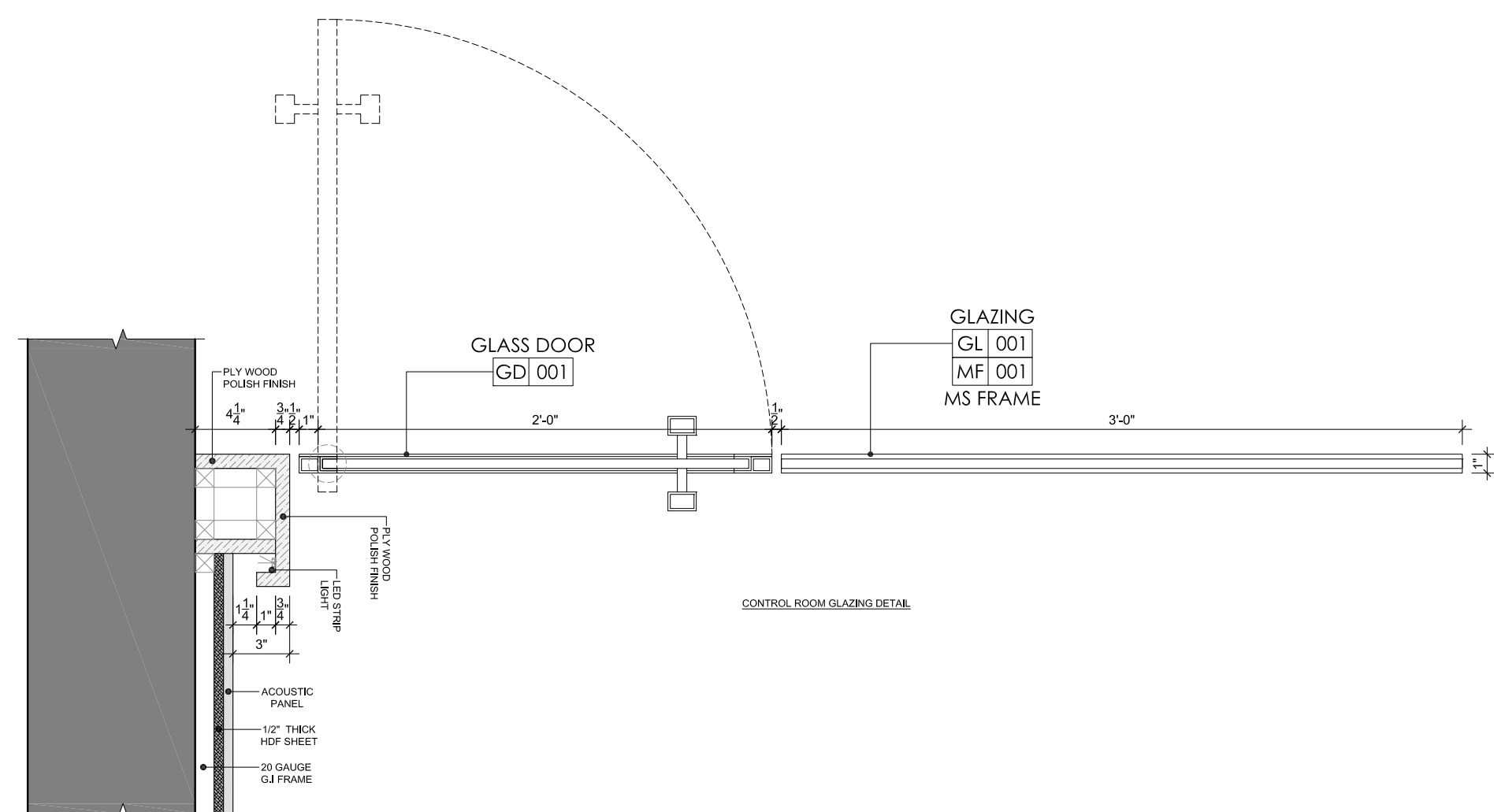
DETAIL-17

SCALE: 1-1/2"=1'-0"



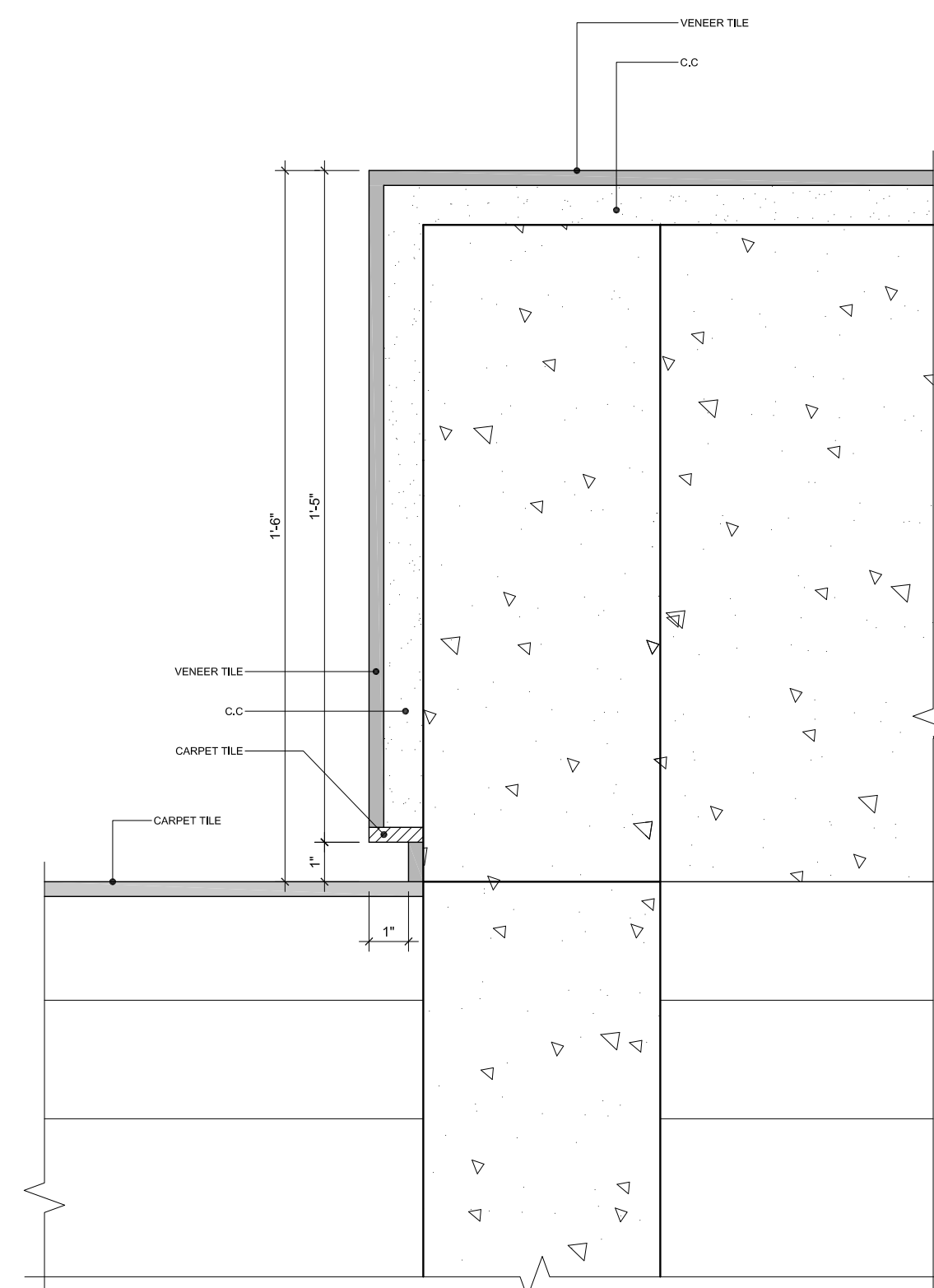
DETAIL-18

SCALE: 3" = 1'-0"



DETAIL-14

SCALE:  $1-1/2''=1'-0''$



### STAGE DETAIL

DETAIL-16

SCALE: 3" = 1'-0"







**TAG LEGEND**

Reference to **Finishes Specification**.  
 Index Reference  
 Finish Reference

Reference to **Elevation Drawing**.  
 Elevation Reference  
 Drawing No.  
 Zone Reference

Reference to **Detail Drawing**.  
 Detail No.  
 Drawing No.  
 Reference.

### WALL LEGEND

	Existing Wall		Structural Column
	Curtain Wall		Cement Board Partition Wall
	Fixed Glazing		Proposed Wall

## GENERAL NOTES

- ## COORDINATION & VERIFICATION
- ALL DRAWINGS TO BE USED IN CONJUNCTION WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, FIRE SAFETY, AND ALL SPECIALIST CONSULTANT DRAWINGS, SPECIFICATIONS, AND DETAIL DOCUMENTS. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF ALL DRAWINGS PRIOR TO COMMENCEMENT OF ANY WORK. ANY DISCREPANCIES, OMISSIONS, OR CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR REVIEW AND CORRECTION PRIOR TO PROCEEDING.
- ## CONFLICTS, SITES & CLARIFICATIONS
- IN THE EVENT THAT A CONSTRUCTION ITEM IS NOT SHOWN OR PROVIDED, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REQUEST THE REQUIRED INFORMATION FROM THE ARCHITECT. FAILURE TO REQUEST SUCH DETAILS PRIOR TO THE COMMENCEMENT OF ANY WORK SHALL BE CONSIDERED A FIELD ITEM. "NOT AVOIDED" OR "NOT SHOWN" WILL NOT BE CONSIDERED A VALID EXPLANATION.
- ## LEAKAGE PREVENTION & WATERPROOFING
- ALL WEAT REAS, ROOF SLABS, DUMPS, AND SERVICE ZONES TO BE TREATED WITH SPECIFIED WATERPROOFING SYSTEMS. CONTRACTOR TO ENSURE NO LEAKAGE OF WATER OR UNDESIRABLE MATERIALS INTO ADJACENT AREAS (WHICH ARE EXTENDING THERE WHERE APPLICABLE) MUST BE CONDUCTED AND VERIFIED BY THE ARCHITECT PRIOR TO COVERING.
- ## WOODEN ELEMENTS
- ALL WOODEN SURFACES TO BE TREATED WITH ANTI-TERMITTE SOLUTION AND AN ANTI-ROTTING COATING PRIOR TO INSTALLATION. ALL TREATMENT DOCUMENTS AND PROOF OF TREATMENT APPLICATION (INCLUDING MSDS AND PRODUCT DATA SHEETS) TO BE SUBMITTED FOR APPROVAL. UNTREATED OR INADEQUATELY TREATED WOOD WILL BE REJECTED AND REWORK SHALL BE CONTRACTOR'S RESPONSIBILITY.
- ## EXPOSED METAL ELEMENTS
- ALL METAL SURFACES (INCLUDING STRUCTURAL, JOINERY, SPINDS, FITTINGS, AND FUTURES) TO BE COATED WITH ANTI-RUST PRIMER AND FINISH COAT SUITABLE TO SPECIFIED ENVIRONMENTAL CONDITIONS. FINAL PAINT FINISH TO BE VERIFIED BY THE ARCHITECT PRIOR TO PROCEEDING TO PREVENT RUST OR DISCOLORATION.
- ## HAZARDOUS MATERIALS & SAFETY FINISHES
- ALL SHARP, TOXIC, OR INFLAMMABLE MATERIALS ARE TO BE LEFT EXPOSED IN THE BUILT ENVIRONMENT. ALL MATERIALS TO BE COVERED OR PROTECTED UNLESS OTHERWISE SPECIFIED IN THE DRAWINGS (WHERE APPLICABLE) AND COMPLIANT WITH LOCAL HEALTH, SAFETY, AND ENVIRONMENTAL STANDARDS. CERTIFICATES OF CONFORMANCE TO BE PROVIDED AS PART OF THE SUBMISSION.
- ## CONSTRUCTION SAFETY & COMPLIANCE
- ALL CONSTRUCTION WORKS SHALL BE CARRIED OUT IN COMPLIANCE WITH LOCAL SAFETY REGULATIONS AND STANDARDS. ALL WORKERS MUST WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (PPE) AS MANDATORY. FOR ALL WORKERS, THE CONTRACTOR MUST PROVIDE AND MAINTAIN A SAFE WORKING ENVIRONMENT, INCLUDING PROPER STORAGE OF MATERIALS ON SITE.
- ## APPROVALS & MOCK-UPS
- ALL MATERIALS, SAMPLES, MOCK-UPS MUST BE PREPARED AND APPROVED PRIOR TO PROCEEDING. ANY WORK CARRIED OUT WITHOUT PRIOR APPROVAL, INCLUDING MATERIALS, COLOURS, SAMPLES, AND JOINERY DETAILS, SHALL BE SUBJECT TO REJECTION AT THE ARCHITECT'S DISCRETION.
- ## DRAWING UPDATES & RECORD KEEPING
- CONTRACTOR TO MAINTAIN A SHARED SET OF LATEST DRAWINGS. ANY CHANGES TO THE DRAWINGS MUST BE MARK-UP OR REDLINE ADJUSTMENTS TO BE NOTED AND PRINTED WITH ARCHITECT OR WRITELY BASIS. THE CONTRACTOR MUST SUBMIT TO THE ARCHITECT FOR PRIOR CLOSURE OF
- ## 10. STANDARDS & DOCUMENTATION
- ALL MATERIALS AND EXECUTION MUST ADHERE TO MANUFACTURER'S SPECIFICATIONS. THE CONTRACTOR SHALL PROVIDE A LIST OF MANUFACTURERS TO REFER TO THE PROJECT SPECIFICATION MANUAL FOR ALL TECHNICAL STANDARDS. LATEST MANUFACTURER DATA SHEETS, MODELS, MFG. RATINGS, AND TEST CERTIFICATES TO BE SUBMITTED FOR APPROVAL PRIOR TO PROCEEDING.

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MEP Consultant :

STAMP :

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Cad By : MINHAS		
Job No : I-CO-2803		
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Scale : AS SHOWN		

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DETAIL-21

SCALE: 1'-1/2" = 1'-0"

DETAIL-22

SCALE: 1'-1/2" = 1'-0"

DETAIL-19

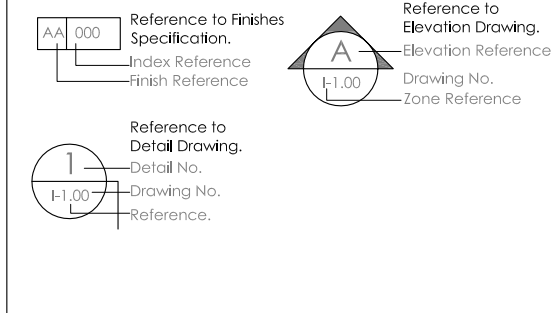
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DETAIL-20

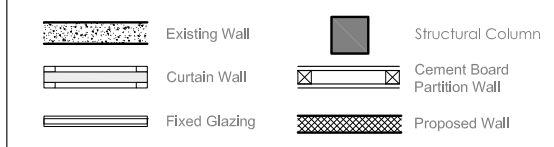
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## TAG LEGEND



## WALL LEGEND



## GENERAL NOTES

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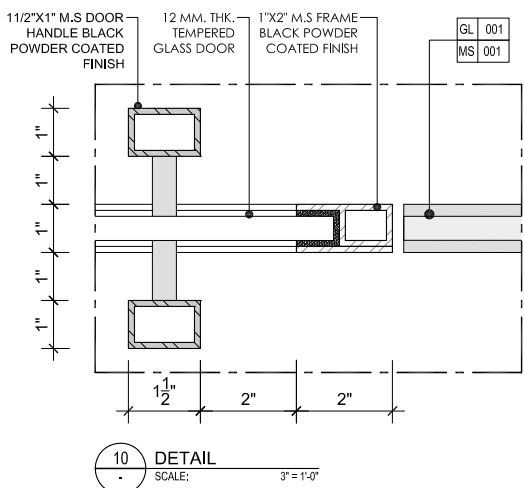
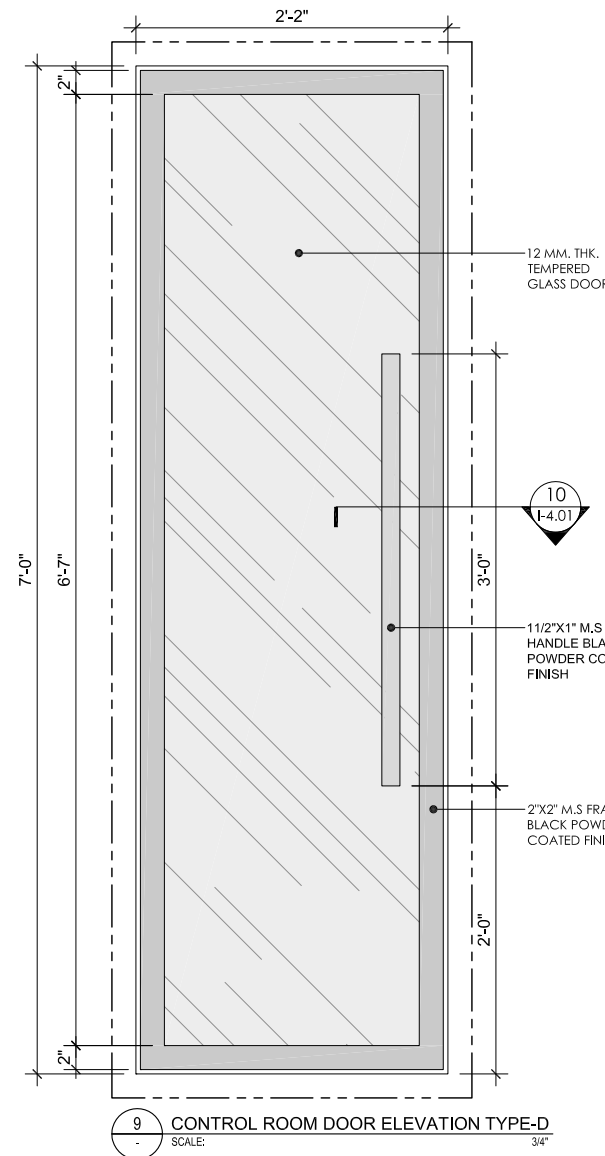
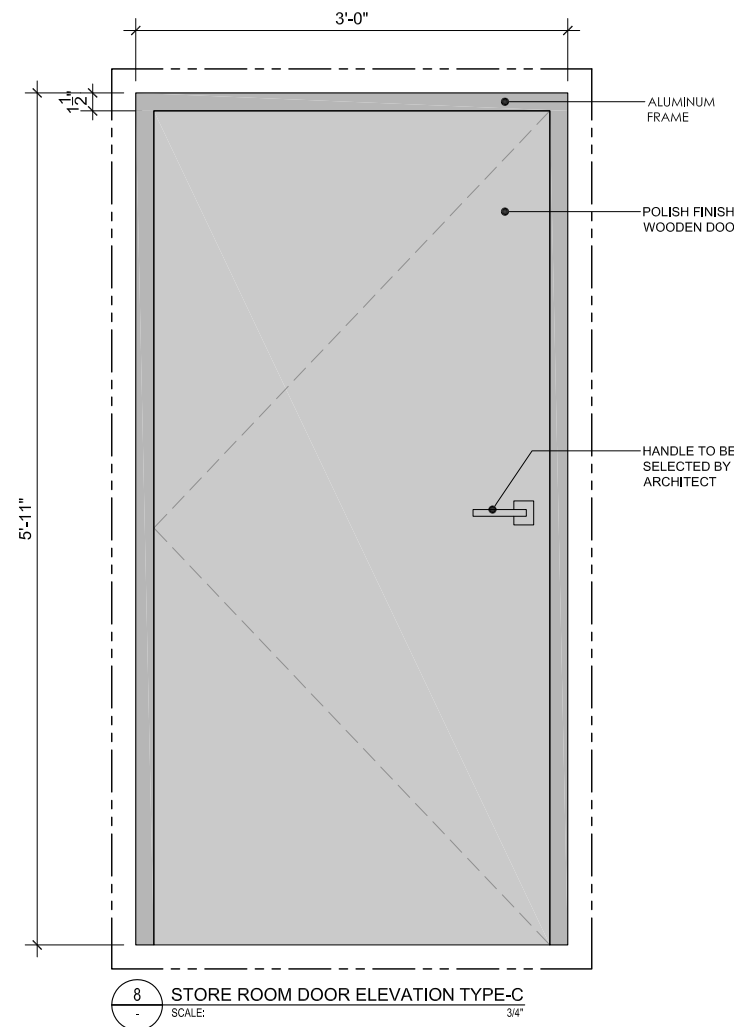
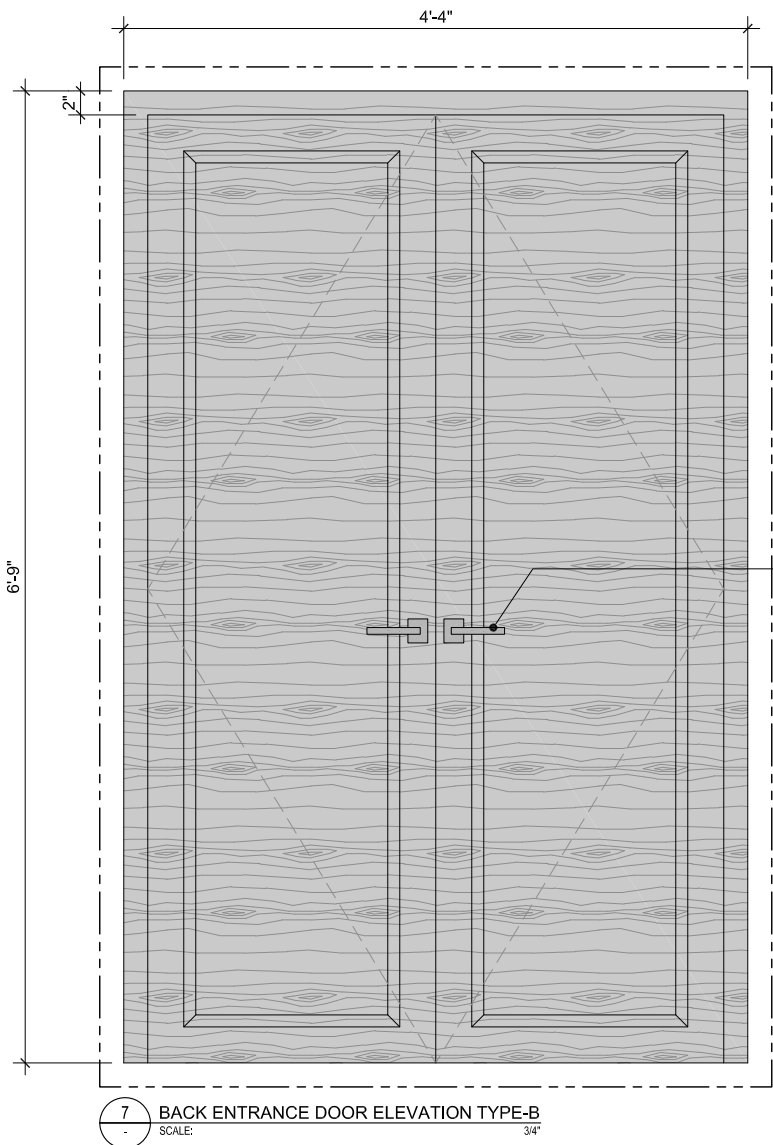
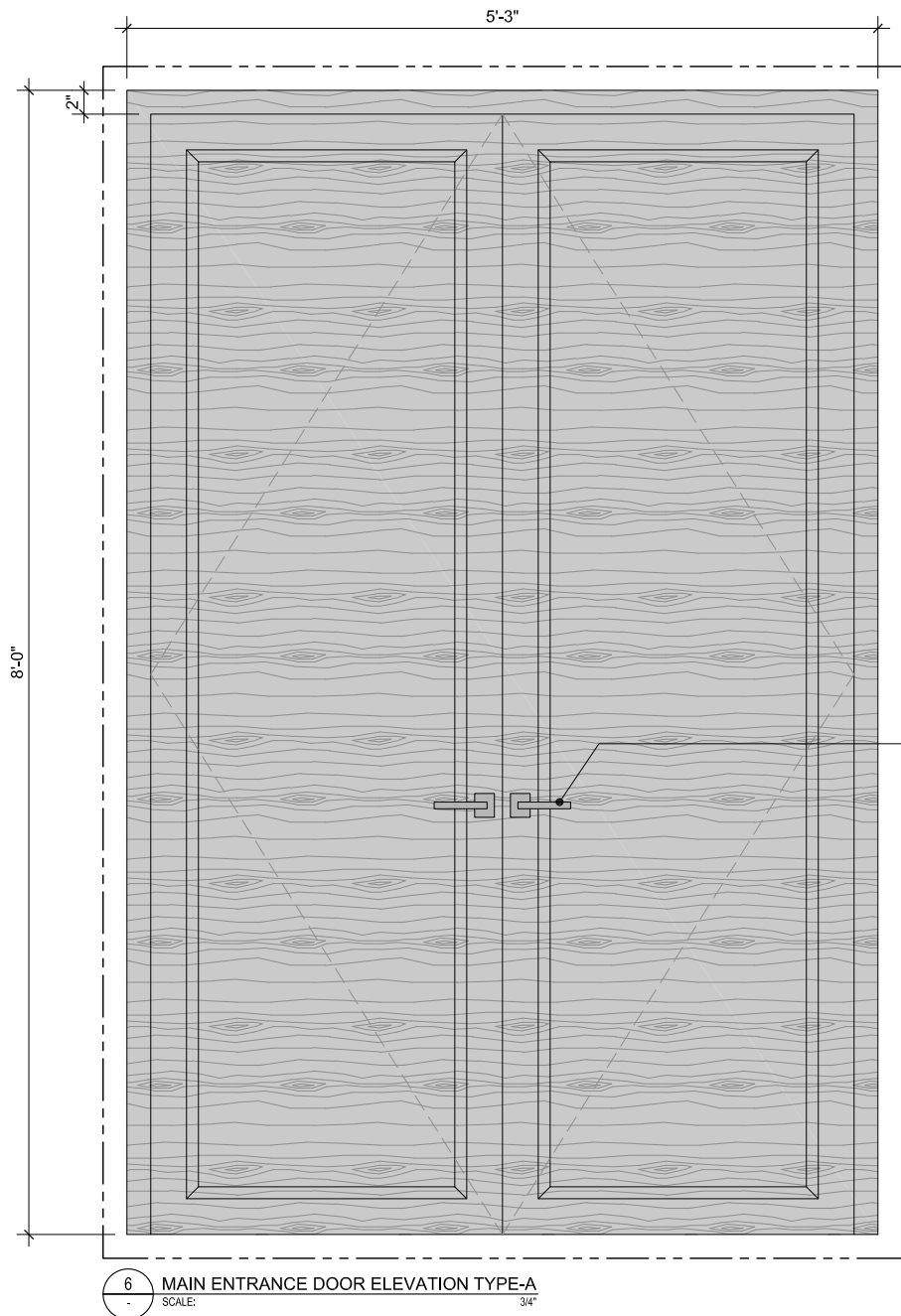
MEP Consultant :

STAMP :

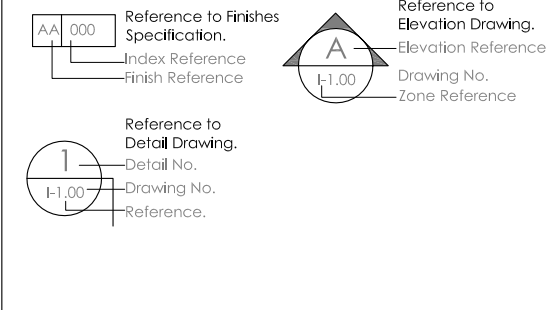
TENDER DRAWINGS

Job Arch : U.G.	North :
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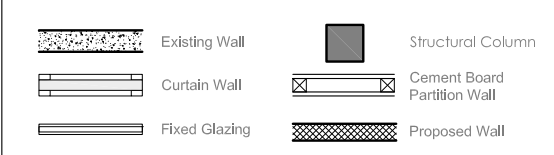




TAG LEGEND



WALL LEGEND



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## **AUDITORIUM AREA**

\* \* \* \*

## **DESIGN DRAWINGS AND BILL OF QUANTITIES**

\* \* \* \*

## **ELECTRICAL WORKS**



# **EXCELLENT ASSOCIATES**

Electrical Consulting Engineers

## **LIST OF MANUFACTURERS / SUPPLIERS**

1. **LV Panel & Distribution Board** : Unique Engineering, Engineer & Engineers
2. **LV Circuit Breaker** : ABB
3. **Magnetic Contactors, Overload Relays / Energy analyzer** : ABB / Lovato  
Lovato / Circutor
4. **LV Power Cables** : Pakistan Cables
5. **Lighting Fixtures** : Pierlite Pakistan, Uni Lux
6. **Switches , Sockets & Dimmers** : Schneider, (Clipsal Pakistan),
7. **PVC/UPVC Conduits & Accessories** : Civic, Jeddah
8. **Cable Lugs** : Corning (3M), Cembre
9. **Cable Trays / Ladder & Accessories** : Zain Lighting
10. **Linear Aluminum Channels** : Zain Lighting
11. **MS Back Boxes / Ceiling Pull Boxes** : Master
12. **Floor Boxes (Imported)** : Davis (Clipsal Pakistan)
13. **Imported Cable Connectors & Junction /Pull Boxes** : Zain Lighting
14. **Industrial Sockets and Isolators** : Schneider
15. **Network Cables / Voice and Data** : Corning by 3M, Schneider (Clipsal Pakistan)
16. **Communication Racks (Imported Brand)** : Toten
17. **Fire Alarm System** : Gent by Honeywell
18. **Fire Resistance Cable** : Prysmian, FP Plus
19. **Co-axial Cables** : Corning by 3M, Schneider
20. **CCTV System** : RG Technologies
21. **IP Public Address & Voice Evacuation System** : TOA
22. **Earthing / Grounding System** : Famsons Technologies
23. **UPS** : APC, Schneider, ABB



# BILL OF QUANTITIES



**UIT UNIVERSITY (AUDITORIUM AREA)****ELECTRICAL WORKS****BILL OF QUANTITIES**

S.No.	Description	Unit	Qty.	Rate	Amount
	<b><u>SECTION - A</u></b>				
	<b><u>WIRING INSTALLATION</u></b>				
1.	Providing and installing of <b>Downlight circuit wiring</b> from DB to lighting point with 3 x 2.5sq.mm in 1" dia. PVC conduit complete with all accessories.	Nos.	2		
1.1	Providing and installing <b>Downlight point wiring</b> with 3 x 1.5sq.mm single core PVC insulated 450/750V grade copper wires in 1" dia. PVC conduit surface/concealed mounted including all accessories, connectors switches with specified cover plates, sheet steel back boxes with brass earth terminal, 1.0 sq.mm 3-core PVC/PVC cable in flexible PVC conduit for final connection. Complete in all respect.				
a)	Downlight <b>point</b> controlled by one switch.	Nos.	10		
b)	Downlight point from <b>point to point</b> .	Nos.	24		
2.	Providing and installing of <b>Two Way Downlight circuit wiring</b> from DB to lighting point with 3 x 2.5sq.mm in 1" dia. PVC conduit complete with all accessories.	No.	1		
2.1	Providing and installing <b>Two Way Downlight point wiring</b> with 3 x 1.5sq.mm single core PVC insulated 450/750V grade copper wires in 1" dia. PVC conduit surface/concealed mounted including all accessories, connectors switches with specified cover plates, sheet steel back boxes with brass earth terminal, 1.0 sq.mm 3-core PVC/PVC cable in flexible PVC conduit for final connection. Complete in all respect.				
a)	Two Way Downlight <b>point</b> controlled by one switch.	Nos.	2		
b)	Two Way Downlight point from <b>point to point</b> .	Nos.	4		
3.	Providing and installing of <b>Magnetic Light circuit wiring</b> from DB to switch board with 3 x 2.5sq.mm in 1" dia. PVC conduit complete with all accessories.	No.	1		
3.1	Magnetic Light <b>point</b> controlled by one switch.	Nos.	6		
3.2	Providing and installing of <b>Magnetic Light wiring</b> from Switch Board to <b>Magnetic Light Driver</b> with 3 x 2.5sq.mm in 1" dia. PVC conduit complete with all accessories.	Nos.	9		



S.No.	Description	Unit	Qty.	Rate	Amount
4.	Providing and installing of <b>LED Strip Light circuit wiring</b> from DB to lighting point with 3 x 2.5 sq.mm in 1" dia. PVC conduit complete with all accessories.	No.	1		
4.1	Providing and installing <b>LED Strip Light point wiring</b> with 3 x 1.5sq.mm single core PVC insulated 450/750V grade copper wires in 1" dia. PVC conduit surface/concealed mounted including all accessories, connectors switches with specified cover plates, sheet steel back boxes with brass earth terminal, 1.0 sq.mm 3-core PVC/PVC cable in flexible PVC conduit for final connection. Complete in all respect.				
a)	LED Strip Light <b>point</b> controlled by one switch.	Nos.	6		
b)	Downlight point from <b>point to point</b> .	Nos.	3		
5.	Providing and installing of <b>LED Profile Light / Wall Mounted recessed Light circuit wiring</b> from DB to lighting point with 3 x 2.5 sq.mm in 1" dia. PVC conduit complete with all accessories.	Nos.	3		
5.1	Providing and installing <b>LED Profile Light / Wall Mounted recessed Light point wiring</b> with 3 x 1.5sq.mm single core PVC insulated 450/750V grade copper wires in 1" dia. PVC conduit surface/concealed mounted including all accessories, connectors switches with specified cover plates, sheet steel back boxes with brass earth terminal, 1.0 sq.mm 3-core PVC/PVC cable in flexible PVC conduit for final connection. Complete in all respect.				
a)	LED Profile Light / Wall Mounted recessed Light <b>point</b> controlled by one switch.	Nos.	13		
b)	LED Profile Light / Wall Mounted recessed Light point from <b>point to point</b> .	Nos.	94		
6.	Providing and installing of <b>LED Emergency Light circuit wiring</b> from DB to lighting point with 3 x 2.5sq.mm in 1" dia. PVC conduit complete with all accessories.	No.	1		
6.1	Providing and installing <b>LED Emergency Light point wiring</b> with 3 x 1.5sq.mm single core PVC insulated 450/750V grade copper wires in 1" dia. PVC conduit surface/concealed mounted including all accessories, connectors switches with specified cover plates, sheet steel back boxes with brass earth terminal, 1.0 sq.mm 3-core PVC/PVC cable in flexible PVC conduit for final connection. Complete in all respect.				
a)	LED Emergency Light point from <b>point to point</b> .	Nos.	7		
7.	Providing and installing of <b>LED Emergency Exit Light circuit wiring</b> from DB to lighting point with 3 x 2.5sq.mm in 1" dia. PVC conduit complete with all accessories.	No.	1		



S.No.	Description	Unit	Qty.	Rate	Amount
7.1	Providing and installing <b>LED Emergency Exit Light point wiring</b> with 3 x 1.5sq.mm single core PVC insulated 450/750V grade copper wires in 1" dia. PVC conduit surface/concealed mounted including all accessories, connectors switches with specified cover plates, sheet steel back boxes with brass earth terminal, 1.0 sq.mm 3-core PVC/PVC cable in flexible PVC conduit for final connection. Complete in all respect.				
a)	LED Emergency Exit Light point from <b>point to point</b> .	No.	1		
8.	Providing and installing of Raw circuit wiring from DB for <b>13A, Multi socket outlet</b> with 3 x 2.5 sq.mm single core PVC insulated copper wires in 1" dia. PVC conduit concealed/surface mounted with all accessories, sheet steel back boxes with brass earth terminals.	Nos.	1		
8.1	Same as Item No.8 but wiring from point to point.	Nos.	5		
9	Providing and installing of UPS circuit wiring from DB to <b>13A Duplex switch socket outlets</b> wired with 3 x 4 sq mm single core PVC insulated copper wires in 1" dia PVC conduit, surface/concealed mounted with all accessories, sheet steel back boxes with brass earth terminal.	Nos.	4		
9.1	Same as Item No.9 but wiring from point to point.	Nos.	7		
10.	Providing and installing of circuit wiring from DB to <b>13A, Multi socket outlet for SMD Screen</b> wired with 3 x 4 sq mm single core PVC insulated copper wires in 1" dia PVC conduit, surface/concealed mounted with all accessories, sheet steel back boxes with brass earth terminal.	Nos.	1		
10.1	Same as Item No.10 but wiring from point to point.	Nos.	4		
11.	Providing and installing of <b>Pop UP Box circuit wiring</b> from DB to Pop Up Box point with 3 x 4sq.mm in 1" dia. PVC conduit complete with all accessories.	Nos.	9		
11.1	Same as Item No.11 but wiring from point to point.	Nos.	157		
12.	Supply and installation of Imported Type Pop Up Box Stainless Steel (Eubic) Dimension: (Must be Suitable For 1 No.13A International Switch Socket With USB Charging Port 3A/5A,& Type C Charging Port With Chord. Face Plates Included Schneider Only of 18 SWG sheet. Complete in all respects as per details and drawings.	Nos.	166		



S.No.	Description	Unit	Qty.	Rate	Amount
13.	Supply & installation of <b>Technology box</b> of 16 SWG.G.I. Sheet having cover of 12 SWG. Suitable for for 1 No. 10 Amps Socket, 2 Nos. 13 Amps. Socket (Simplex), 1 No. Telephone outlet and 1No. data outlet.	Nos.	2		
14.	Supply & installation of <b>Floor box</b> of 16 SWG.G.I. Sheet having cover of 12 SWG. Suitable for for 1 No. 10 Amps Socket, 2 Nos. 13 Amps. Socket (Simplex), 1 No. Telephone outlet and 1No. data outlet.	No.	1		
15	Supply & installation following sizes of M.S Powder Coated Perforated 14 SWG <b>Cable tray</b> with 16 SWG cover duly Painted after degreasing, derusting, phosphating and antirust primer including all installation accessories such as connecting plates with earth bonding, rawal bolts elbows,tees e.t.c. Complete in all respect.				
a	150 mm x 100 mm Cable Tray	Rft.	40		
<b>TOTAL OF SECTION - A RS.</b>					



S.No.	Description	Unit	Qty.	Rate	Amount
	<b><u>SECTION - B</u></b> <b><u>SWITCHES &amp; SOCKETS</u></b> Supply and Installation of following <b>10 Amps</b> , Gang Switches or <b>10/ 13/ 15/ 20 Amps socket outlets</b> make including 14 SWG sheet steel back boxes recessed / surface on wall or as per design drawings. <b>Make : Clipsal Series Vivace for Sockets)</b>				
1	10A, 220V One Gang Two Way Switch Unit	Nos.	2		
2	10A, 220V Three Gang Switch Unit	Nos.	9		
3	10A, 220V Four Gang Switch Unit	Nos.	2		
4	13A, Multi Socket Unit	Nos.	14		
5	13A, Flat-Pin Simplex Switch Socket Unit	Nos.	6		
6	20A DP Switch	No.	9		
7	32A 3-Pin Industrial Socket (Complete Set)	Nos.	2		
<b>TOTAL OF SECTION - B RS.</b>					
	<b><u>SECTION - C</u></b> <b><u>TELEPHONE SYSTEM</u></b>				
1.	Providing and installing of telephone point with 1" dia pvc conduit concealed mounted including sheet steel back box.	Nos.	2		
2.	Providing & installing of <b>cat-6 UTP cable</b> from telephone point. <b>Make : Corning by 3M, Clipsal</b>	Nos.	2		
3.	Providing & connecting of <b>cat-6 RJ-45 Face Plate + I/O</b> (Simplex) <b>Make : Corning by 3M, Clipsal</b>	Nos.	2		
<b>TOTAL OF SECTION - C RS.</b>					



S.No.	Description	Unit	Qty.	Rate	Amount
	<b><u>SECTION - D</u></b>				
	<b><u>COMPUTER DATA SYSTEM</u></b>				
1.	Providing and installing of computer data outlet point in 1" dia. PVC conduit including sheet steel back box.	Nos.	14		
2.	Providing and installing of <b>data Cat-6 UTP cable</b> upto computer Point. <b>Make : Corning by 3M, Clipsal</b>	Nos.	8		
3.	Providing and installing of <b>data Cat-6 UTP cable</b> upto IP Based Wifi Point. <b>Make : Corning by 3M, Clipsal</b>	Nos.	4		
4.	Providing and installing of <b>data Cat-6 UTP cable</b> upto <b>SMD Screen Point. Make : Corning by 3M, Clipsal</b>	Nos.	2		
5.	Providing & connecting of <b>Aux wire. Make : RG- Technology</b>	Mtr.	35		
6.	Providing & connecting of <b>HDMI Cable. Make : RG- Technology</b>	Mtr.	35		
7.	Providing and Installing of <b>24 - port patch panel.</b>	No.	1		
8.	Providing and Installing of <b>front cable management.</b> Complete with all fixing accessories.	No.	1		
9.	Supply, Installation and connection up <b>12U Rack.</b> Complete with all mounting accessories. <b>Make: Toten, Vertiv</b>	Job.	1		
10.	Supply, installation and connecting up of certified cat - 6, 4 pair (RJ45 TO RJ45 type plugs) <b>patch cord.</b>				
10.1	1.0 m Long (patch panel end)	Nos.	14		
10.2	3.0 m Long (patch panel end)	Nos.	12		
11.	Testing termination & commissioning of entire	Job.	1		
<b>TOTAL OF SECTION - D RS.</b>					
	<b><u>SECTION - E</u></b>				
	<b><u>CCTV SYSTEM.</u></b>				
1.	Providing and installing of CCTV point in 1" dia. PVC conduit including sheet steel back box.	Nos.	11		
2.	Providing and installing of <b>data Cat-6 UTP cable</b> upto computer Point. <b>Make : Corning by 3M, Clipsal</b>	Nos.	11		
3.	Installation of <b>IP- Camera</b> , 4 Megapixel.	Nos.	7		
4.	Installation of <b>IP Based HD - Camera 360 °C</b> for Videography / Photography.	Nos.	4		
5.	Installation of <b>16 Chanel NVR</b> with all accessories.	No.	1		
6.	Installation of <b>21 inch</b> Screen LCD	No.	1		
7.	Testing & Commissioning of CCTV system.	Job.	1		
<b>TOTAL OF SECTION - E RS.</b>					



S.No.	Description	Unit	Qty.	Rate	Amount
	<b><u>SECTION - F</u></b>				
	<b><u>FIRE ALARM SYSTEM</u></b>				
1.	Providing, laying of high impact 20 mm dia PVC conduit for Fire Alarm system concealed in Masonry wall & surface on slab (above F.C), complete as per drawing & instruction by consultant.	Nos.	9		
2.	Providing, laying & pulling of following size of PVC insulated cable in already laid PVC conduit as sown on the drawing, Complete with all wiring accessories. <b>Make: Prysmian FP 200 Gold</b>				
2.1	2 x 1.5 mm <sup>2</sup> S.C PVC cable for Manual call point & M.D.	Nos.	8		
2.2	2 x 2.5 mm <sup>2</sup> S.C PVC cable for Bell.	No.	1		
3.	Installing testing & commissioning of <b>Manual call point Conventional Type</b> . Complete in all respects.	No.	1		
4.	Installing testing & commissioning of Fire Alarm <b>power bell Conventional Type</b> . Complete in all respects.	No.	1		
5.	Installing testing & commissioning of <b>Multi smoke detector</b> . Complete in all respects.	Nos.	7		
6.	Installing testing & commissioning of <b>2 Zone Fire Alarm panel</b> . Complete in all respects.	Job.	1		
<b>TOTAL OF SECTION - F RS.</b>					
	<b><u>SECTION - G</u></b>				
	<b><u>SOUND SYSTEM.</u></b>				
1.	Providing and installing of sound point in 1" dia. PVC conduit	Nos.	10		
2.	Installation of 15/30 Watt Ceiling mounted speakers.	Nos.	10		
3.	Installation of 120 / 180w rms mixer line <b>Amplifier 1 Zone</b> .	No.	1		
4.	Installation of Table type Paging Microphone	Nos.	2		
5.	Supply, Installation of wiring for <b>speakers</b> wired with 40/0076, 2-core flexible pvc/pvc cable in 1" dia pvc pipe. <b>Make : Pakistan Cable, Fast Cables</b>	Nos.	10		
6.	Supply and Installation of interconnection cables / connectors.	Lot	1		
7.	Testing & commissioning of the entire system.	Job	1		
<b>TOTAL OF SECTION - G RS.</b>					



S.No.	Description	Unit	Qty.	Rate	Amount
	<b><u>SECTION - H</u></b>				
	<b><u>LIGHT FIXTURES &amp; FANS</u></b>				
1.	Installation of following light fixtures including connecting accessories, flexible pipe, wire, termination, connectors testing & commissioning.				
a)	<b><u>Fixture Type - A</u></b> LED Down Light recessed ceiling mounted with 12 watt. As per architect approval. .	Nos.	32		
b)	<b><u>Fixture Type - B</u></b> LED Down Light recessed ceiling mounted with 7 watt. As per architect approval.	Nos.	8		
c)	<b><u>Fixture Type - C</u></b> LED Down Light recessed Wall mounted with 5 watt. As per architect approval.	Nos.	24		
d)	<b><u>Fixture Type - D</u></b> LED Strip Light. As per architect approval.	Mtr.	81		
e)	<b><u>Fixture Type - E</u></b> LED Aluminum Profile Light. As per architect approval.	Mtr.	165		
e-1)	Magnetic Track . As per architect approval.	Mtr.	50		
e-2)	200 Watt Magnetic Track Driver	Nos.	9		
f)	<b><u>Fixture Type - F</u></b> LED Magnetic recessed Razor Light with 18 watt. As per architect approval.	Nos.	16		
g)	<b><u>Fixture Type - G</u></b> LED Magnetic recessed Track Light with 12 watt. As per architect approval.	Nos.	46		
h)	Installation of Down light type Emergency light fixture with 1 hour battery backup time and comprising self contained battery charger recessed in ceiling. Including all accessories, complete in all respects. As per architect approval.	Nos.	8		
i)	Installation of Exit Emergency light fixture with 1 hour battery backup time and comprising self contained battery charger hanging with ceiling. Including all accessories, complete in all respects. As per architect approval.	Nos.	2		
<b>TOTAL OF SECTION - H RS.</b>					



S.No.	Description	Unit	Qty.	Rate	Amount
	<b><u>SECTION - J</u></b> <b><u>SWITCHGEAR</u></b> <b><u>DISTRIBUTION BOARDS</u></b> Supply, installation, testing & commissioning of following Distribution Boards as shown on drawing made with 14 SWG sheet steel housing and powder coated as per approved color including all installation accessories such as Rawal bolt etc. Complete in all respects.				
1	LP DB (AUDITORIUM AREA)	No.	1		
<b>TOTAL OF SECTION - J RS.</b>					
	<b><u>SECTION - K</u></b> <b><u>MAIN / SUB - MAIN CABLES</u></b> 1. Supply, installation and connection of following main, submain 600 / 1000V grade PVC copper cables. <b>Make : Pakistan Cable, Fast Cables</b> a) <b><u>From Existing Panel to LP DB (Auditorium)</u></b> 50 mm <sup>2</sup> 4 core pvc/ pvc cable + 2 x 25 mm <sup>2</sup> s/c pvc cable in suitable size pvc conduit . b) <b><u>From Gen Set to LP DB (Auditorium)</u></b> Existing Supply c) <b><u>From LP DB (Auditorium) to UPS</u></b> 6 mm <sup>2</sup> 3 core pvc/ pvc cable in suitable size pvc conduit. d) <b><u>From UPS to LP DB (Auditorium)</u></b> 6 mm <sup>2</sup> 3 core pvc/ pvc cable in suitable size pvc conduit. e) <b><u>From LP DB (Auditorium) to A/C Unit -1</u></b> 16 mm <sup>2</sup> 4 core pvc/ pvc cable + 1 x 16 mm <sup>2</sup> s/c pvc cable in suitable size pvc conduit . f) <b><u>From LP DB (Auditorium) to A/C Unit - 2</u></b> 16 mm <sup>2</sup> 4 core pvc/ pvc cable + 1 x 16 mm <sup>2</sup> s/c pvc cable in suitable size pvc conduit .				
		Rft.	150 As per site		
		Rft.	-		
		Rft.	20		
		Rft.	20		
		Rft.	150		
		Rft.	150		
<b>TOTAL OF SECTION - K RS.</b>					



S.No.	Description	Unit	Qty.	Rate	Amount
	<b><u>SECTION - L</u></b>				
	<b><u>EARTHING</u></b>				
1.	Supply. Installation & Testing of EFE-T Chemical Grounding System with 19mm dia having Heavy-duty Copper Rod 10 Ft. long filled with Soil Conditioning Material with 6" x 25 Ft. Deep Boring with heavy duty PVC Put within Coaster Silver Cover for air breathing with Brass Nuts and Bolts ready to use. upto Test Terminal.For Neutral Earthing the result should be less than 1 Ohm, Complete in all respect.	Nos.	4		
2.	Supply, installation & connection of 2 x 25 sq.mm single core PVC cable in PVC pipe from earth pit to LP DB.	Rft.	95		
3.	Supply, installation & connection of 1 x 16 sq.mm single core PVC cable in PVC pipe from earth pit to Gen Set Neutral.	Rft.	30		
4.	Supply, installation & connection of 1 x 10 sq.mm single core PVC cable in PVC pipe from earth pit to Gen Set Body.	Rft.	30		
5.	Supply, installation & connection of 2 x 16 sq.mm single core PVC cable in PVC pipe from earth pit to HVAC Outer Body.	Rft.	80		
<b>TOTAL OF SECTION - L RS.</b>					
	<b><u>SECTION - M</u></b>				
	<b><u>AS BUILT DRAWINGS</u></b>				
1.	Preparation, submission & approval of As-Built drawing of the entire installation. The contractor should submit Three sets of prints of As-Built drawing to the Client.	Job.	1		
<b>TOTAL OF SECTION - M RS.</b>					



S.No.	Description	Unit	Qty.	Rate	Amount
	<b><u>SECTION - N</u></b>				
	<b><u>O.F.M ITEM</u></b>				
1	<b><u>CCTV SYSTEM.</u></b>				
1.1	Owner Supplied of <b>IP- Cembra</b> , 4 Megapixel.	Nos.	7		
1.2	Owner Supplied of <b>IP Based HD - Cembra</b> 360 °C for Videography / Photography with all accessories..	Nos.	4		
1.3	Owner Supplied of <b>16 Chanel NVR</b> with all accessories.	No.	1		
1.4	Owner Supplied of <b>21 inch</b> Screen LCD	No.	1		
2	<b><u>FIRE ALARM SYSTEM</u></b>				
2.1	Owner Supplied of <b>Manual call point</b>	Nos.	2		
2.2	Owner Supplied of Fire Alarm <b>power bell</b>	Nos.	2		
2.3	Owner Supplied of <b>Multi smoke detector.</b>	Nos.	7		
2.4	Owner Supplied of <b>2 Zone Fire Alarm panel.</b>	Job.	1		
3	<b><u>SOUND SYSTEM.</u></b>				
3.1	Owner Supplied of 15/30 Watt Ceiling mounted speakers.	Nos.	10		
3.2	Owner Supplied of 120 / 180w rms mixer line <b>Amplifier 1 Zone.</b>	No.	1		
3.4	Owner Supplied of Table type Paging Microphone	Nos.	2		
5	<b><u>LIGHT FIXTURES &amp; FANS</u></b>				
5.1	Owner Supplied of following light fixtures				
a)	<b><u>Fixture Type - A</u></b> LED Down Light recessed ceiling mounted with 12 watt. As per architect approval. .	Nos.	32		
b)	<b><u>Fixture Type - B</u></b> LED Down Light recessed ceiling mounted with 7 watt. As per architect approval.	Nos.	8		
c)	<b><u>Fixture Type - C</u></b> LED Down Light recessed Wall mounted with 5 watt. As per architect approval.	Nos.	24		



S.No.	Description	Unit	Qty.	Rate	Amount
d)	<b>Fixture Type - D</b> LED Strip Light. As per architect approval.	Mtr.	81		
e)	<b>Fixture Type - E</b> LED Aluminum Profile Light. As per architect approval.	Mtr.	165		
e-1)	Magnetic Track . As per architect approval.	Mtr.	50		
e-2)	200 Watt Magnetic Track Driver	Nos.	9		
f)	<b>Fixture Type - F</b> LED Magnetic recessed Razor Light with 18 watt. As per architect approval.	Nos.	16		
g)	<b>Fixture Type - G</b> LED Magnetic recessed Track Light with 12 watt. As per architect approval.	Nos.	46		
h)	Installation of Down light type Emergency light fixture with 1 hour battery backup time and comprising self contained battery charger recessed in cieling. Including all accessories, complete in all respects. As per architect approval.	Nos.	8		
i)	Installation of Exit Emergency light fixture with 1 hour battery backup time and comprising self contained battery charger hanging with cieling. Including all accessories, complete in all respects. As per architect approval.	Nos.	2		
6	<b>SMD SCREEN</b>				
6.1	Owner Supplied of SMD Screen	No.	1		
6.1	Owner Supplied of SMD Screen Control Wire	No.	1		
7	<b>A/C UNIT</b>				
7.1	Owner Supplied of A/C Unit (12 TR)	Nos.	2		
8	<b>UPS</b>				
8.1	Owner Supplied of <b>UPS</b> .	Job.	1		



**UIT UNIVERSITY (AUDITORIUM AREA)**

**SUMMARY OF COST**

**ELECTRICAL WORKS**

S.NO	ALL SECTION	RS.	AMOUNT
1	SECTION-A WIRING INSTALLATION	Rs.	
2	SECTION-B SWITCHES & SOCKETS	Rs.	
3	SECTION-C TELEPHONE SYSTEM	Rs.	
4	SECTION-D COMPUTER DATA SYSTEM	Rs.	
5	SECTION-E CCTV SYSTEM	Rs.	
6	SECTION-F FIRE ALARM SYSTEM	Rs.	
7	SECTION-G SOUND SYSTEM.	Rs.	
8	SECTION-H LIGHT FIXTURES & FANS	Rs.	
9	SECTION-J SWITCHGEAR	Rs.	
10	SECTION-K MAIN/SUB-MAIN CABLES	Rs.	
11	SECTION-L EARTHING	Rs.	
12	SECTION-M AS BUILT DRAWINGS	Rs.	
GRAND TOTAL		Rs.	

Rupees In Words: \_\_\_\_\_

\_\_\_\_\_



# UIT UNIVERSITY, KARACHI

## ELECTRICAL & ALLIED WORKS (ISSUED FOR TENDER) July 2025

Design Consultant :

NAJMI  
BILGRAMI

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MEP CONSULTANTS



**EXCELLENT ASSOCIATES**  
**MEP CONSULTING ENGINEERS**

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UIT UNIVERSITY,KARACHI.

LIST OF DRAWING

EL-01	DRAWINGS LIST & GENERAL NOTES
EL-02	ELECTRICAL LEGEND & LIGHT FIXTURE SCHEDULE
EL-03	STANDARD ELECTRICAL DETAILS - I
EL-04	STANDARD ELECTRICAL DETAILS - II
EL-05	EARTHING DETAIL
EL-06	COMBINED CEILING ELECTRICAL LAYOUT
EL-07	LIGHTING LAYOUT - 1
EL-08	LIGHTING LAYOUT - 2
EL-09	LIGHTING LAYOUT - 3
EL-10	LIGHTING LAYOUT - 4
EL-11	EMERGENCY LIGHTING LAYOUT
EL-12	FIRE ALARM LAYOUT
EL-13	CCTV & SOUND LAYOUT
EL-14	WIFI LAYOUT
EL-15	COMBINED FLOORING UTILITY LAYOUT
EL-16	RAW & UPS POWER LAYOUT
EL-17	DATA LAYOUT
EL-18	SINGLE LINE DIAGRAM

GENERAL NOTES

- 01– ALL WIRING OF LIGHTING AND POWER SHALL BE WITH SINGLE CORE PVC INSULATED WIRES FOR SINGLE PHASE CIRCUIT THE VOLTAGE GRADE OF WIRE SHALL BE 450/750V, WHEREAS FOR THREE PHASE CIRCUIT IT WILL BE 600/1000 VOLTS.
- 02– CONDUIT UNDER FLOOR SHALL HAVE A MINIMUM DEPTH OF 50mm MEASURED FROM FINISH FLOOR LEVEL TO TOP OF CONDUIT.
- 03– MINIMUM SIZE OF CONDUIT SHALL BE 25mmØ, UNLESS OTHERWISE INDICATED.
- 04– THE ELECTRICAL RESISTANCE OF ECC TOGETHER WITH EARTH LEAD AND ELECTRODE SHALL NOT EXCEED ONE OHM.
- 05– BACK BOXES FOR SWITCHES, SOCKETS AND TELEPHONE ETC. SHALL BE MADE WITH 16SWG SHEET STEEL.
- 06– WIRE AS ECC SHALL BE GREEN OR GREEN / YELLOW IN COLOR.
- 07– RUNNING LENGTHS SHOWN IN B.O.Q ARE NOT EXACT CONTRACTOR SHALL HAVE TO TAKE MEASUREMENTS BEFORE PURCHASING THE MATERIAL.
- 08– CONDUIT AND CABLES TO BE LAID UNDER FLOOR SHALL BE IN COORDINATION WITH OTHER SERVICES.
- 09– SHOP DRAWING TO BE SUBMITTED BY THE CONTRACTOR TO CONSULTANT FOR APPROVAL BEFORE COMMENCEMENT OF WORK.
- 10– CONTRACTOR TO BE COORDINATED TO ALL OTHER TRADE DRAWINGS.
- 11– EXACT LOCATION OF LIGHT FIXTURES TO BE GIVEN BY THE ARCHITECT.
- 12– CIRCUIT WIRING SHALL BE WITH THE FOLLOWING SIZE OF WIRES UNLESS OTHERWISE INDICATED
- a) DB TO SWITCH BOARD / 1ST LIGHT WITH 2x2.5 Sq.mm Cu/PVC + ECC 1x2.5 Sq.mm Cu/PVC
- b) SWITCH BOARD TO LIGHT POINT WITH 1x1.5 Sq.mm Cu/PVC FOR PHASE, 1x2.5 Sq.mm Cu/PVC COMMON NEUTRAL AND 1x2.5 Sq.mm Cu/PVC COMMON ECC FOR ALL LIGHT FIXTURES ON SAME CIRCUIT.
- c) 13A INTERNATIONAL SWITCH SOCKET UNIT WITH 2x4 Sq.mm Cu/PVC + ECC 1x4 Sq.mm Cu/PVC
- d) 13A 3–PIN SWITCH SOCKET UNIT WITH 2x4 Sq.mm Cu/PVC + ECC 1x4 Sq.mm Cu/PVC FOR COMPUTER POWER
- e) A/C WIRING WITH 2x4 Sq.mm Cu/PVC + ECC 1x4 Sq.mm Cu/PVC OR AS MENTIONED IN DRAWINGS
- 13– THE MAN HOLES/ HAND HOLES TO BE PROPERLY SEALED VIA A SEALENT/WATER MASKING TAPE TO AVOID INGRESS OF SLURRY IN THE JUNCTION BOX.
- 14– ADHESIVE SOLUTION TO BE USED FOR FIXING OF JUNCTION BOX.
- 15– AVOID USING 4 WAY JUNCTION BOX AT EACH LOCATION. FOR TWO WAY CONNECTIVITY USE A 2 WAY JUNCTION BOX.
- 16– USE PVC PLUGS/STOPPERS AT OPEN ENDS OF JUNCTION BOXES/PVC CONDUITS TO AVOID INGRESS OF CONCRETE.
- 16– FOR FIRE ALARM SYSTEM WIRING SHALL BE 2C, 1.5 Sq.mm Cu/PVC (FIRE RESISTANT CABLE) IN PVC CONDUIT FROM FIRE ALARM DEVICES TO FIRE ALARM CONTROL PANEL. FOR BASEMENT OR EXPOSE AREA USE SAME CABLE IN M.S CONDUIT.



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Design Consultant :



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03				
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REV	DESCRIPTION	DATE	DRAWN	CHECKED

PROJECT STATUS

TENDER DRAWING

DRAWN	CHECKED	APPROVED:
FAZHAN	SAIF ALI	W.K
PROJECT No.:	SCALE:	DATE:
	N.T.S	12-07-2025

DRAWING TITLE:

DRAWINGS LIST &  
GENERAL NOTES

DRAWING No.	REVISION
EL-01	





LEGEND

SYMBOL	DESCRIPTION	TYPE	MOUNTING
	10 AMP ONE WAY LIGHT SWITCH	SEE SPECS	1000mm AFFL
	10 AMPS MULTI SWITCHED SOCKET OUTLET	SEE SPECS	150/1000/1200mm AFFL
	13 AMPS 1 GANG INTERNATIONAL SWITCHED SOCKET OUTLET (SIMPLEX)	SEE SPECS	150/1000/1200mm AFFL
	POPUP BOX	SEE SCHUDLE	IN FLOOR
	MULTIPLE OUTLET MOUNTED ON WALL/FURNITURE	SEE SCHUDLE	WALL/FURNITURE
	FLOOR OUTLET BOX (SQUARE TYPE)	SEE SCHUDLE	RECESSED IN FLOOR
	LIGHT & POWER DISTRIBUTION BOARD	SEE SPECS	
	POINT WIRING (CEILING)	SEE SPECS	
	CIRCUIT WIRING CKT R1 OF DB-GF	SEE SPECS	
	FIRE ALARM WIRING	SEE SPECS	
	P.A. SYSTEM WIRING (SPEAKER WIRING)	SEE SPECS	
	CONDUIT RUN IN UNDER FLOOR / GROUND RACEWAY	SEE SPECS	
	INDICATES LIGHTING CIRCUIT NO.	SEE SPECS	
	INDICATES A/C POWER CIRCUIT NO.	SEE SPECS	
	INDICATES UPS POWER CIRCUIT NO.	SEE SPECS	

LEGEND

SYMBOL	DESCRIPTION	TYPE	MOUNTING
	RJ-45 VOICE /TELEPHONE OUTLET	SEE SPECS	150/1000/1200mm AFFL
	RJ-45 DATA OUTLET	SEE SPECS	150/1000/1200mm AFFL
	WIFI ACCESS POINT (CEILING MOUNTED)	SEE SPECS	CEILING
	SENSOR / DETECTOR	SEE SPECS	FALSE CEILING
	FIRE ALARM HEAT SENSOR / DETECTOR	SEE SPECS	FALSE CEILING
	ELECTRONIC SOUNDER/BELL	SEE SPECS	2400mm AFFL
	MANUAL BREAK GLASS STATION	SEE SPECS	1400mm AFFL
	FIRE ALARM CONTROL PANEL	SEE SPECS	1350mm AFFL
	FIRE ALARM END OF LINE RESISTOR	SEE SPECS	
	IP BASED INDOOR FIXED DOME CCTV CAMERA	SEE SPECS	CEILING
	CCTV NETWORK VIDEO RECORDER (NVR)	SEE SPECS	INSTALLED IN RACK
	CEILING SPEAKER	SEE SPECS	FALSE CEILING

LIGHT FIXTURE SCHEDULE

S.No	PICTOGRAM	SYMBOL/FIX.ID	TYPE	LAMP	MOUNTING
EMERGENCY LIGHTING					
01		EXIT	LED EMERGENCY LIGHT WITH DIRECTIONAL EXIT SIGN	3 WATT LED LAMP	CEILING/WALL MOUNTED
02		EL	CEILING RECESSED LED EMERGENCY LIGHT	3 WATT LED LAMPS	CEILING RECESSED
INDOOR LIGHTING					
03			LED TAPE/STRIP WITH POWER SUPPLY UNIT	72 WATT LED STRIP (5 METER REEL)	SURFACE (INDIRECT LIGHT)
04			LED CEILING RECESSED DOWNLIGHT	7 WATT LED LAMP	FALSE CEILING
05			LED CEILING RECESSED DOWNLIGHT	12 WATT LED LAMP	FALSE CEILING
06			LED MAGNATIC RAZOR LIGHT	18 WATT LED	CEILING
07			LED MAGNATIC TRACK LIGHT	12 WATT LED	CEILING
08			WALL LED RECESSED DOWNLIGHT	5 WATT LED LAMP	RECESSED
			ALUMINUM PROFILE LED LIGHT		SURFACE

MAXIMUM CAPACITY OF WIRE/CABLE IN CONDUIT.(DETAIL)

WIRE/CABLE	CONDUIT SIZE				
	mm <sup>2</sup>	25mm or 1inch	32mm or 1-1/4inch	38mm or 1-1/2inch	50mm or 2inch
1.0	18	30	40	50	
1.5	15	25	35	45	
2.5	12	20	30	35	
4	8	12	20	25	
6	6	10	15	20	
10	4	6	10	12	
16	3	5	7	8	
25	2	3	4	6	
35	—	2	3	5	
50	—	2	2	4	

CLIENT/ PROJECT:

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KARACHI.

Design Consultant:

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PROJECT STATUS

TENDER DRAWING

DRAWN	CHECKED	APPROVED:
FAIZAN	SAIF ALI	W.K
PROJECT No.:	SCALE:	DATE:
	N.T.S	12-07-2025

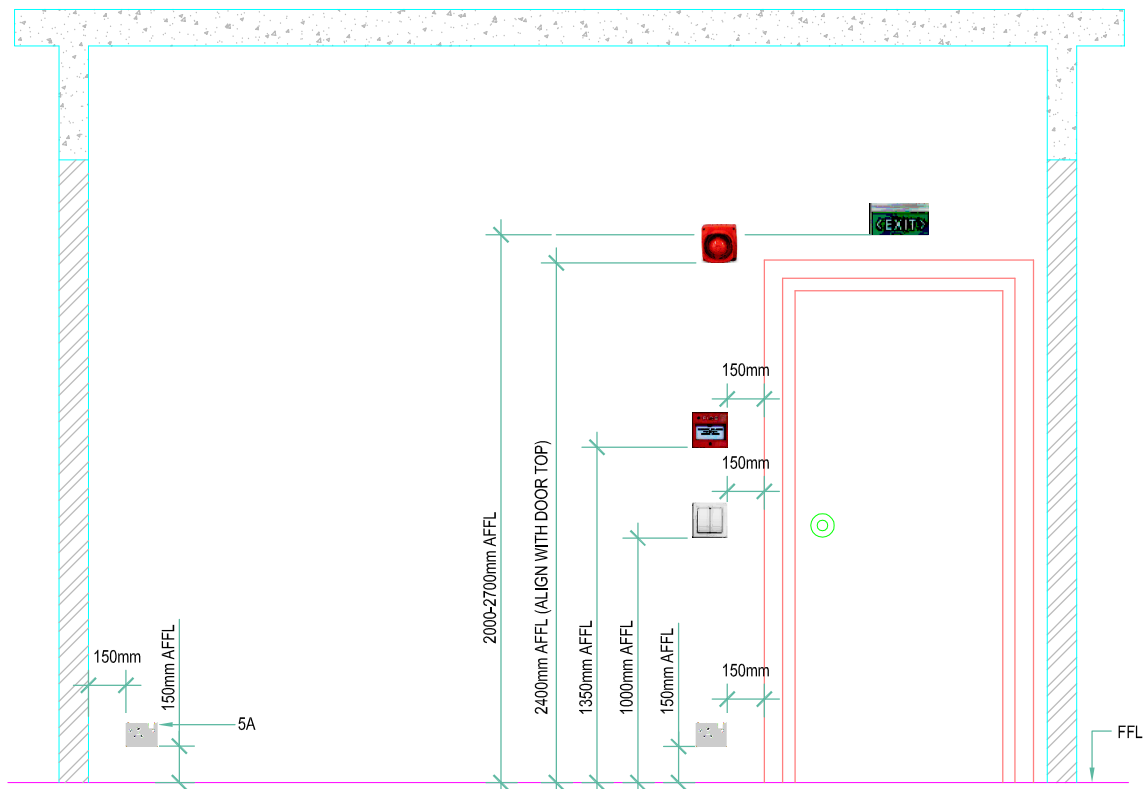
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ELECTRICAL LEGEND &  
LIGHT FIXTURE SCHEDULE

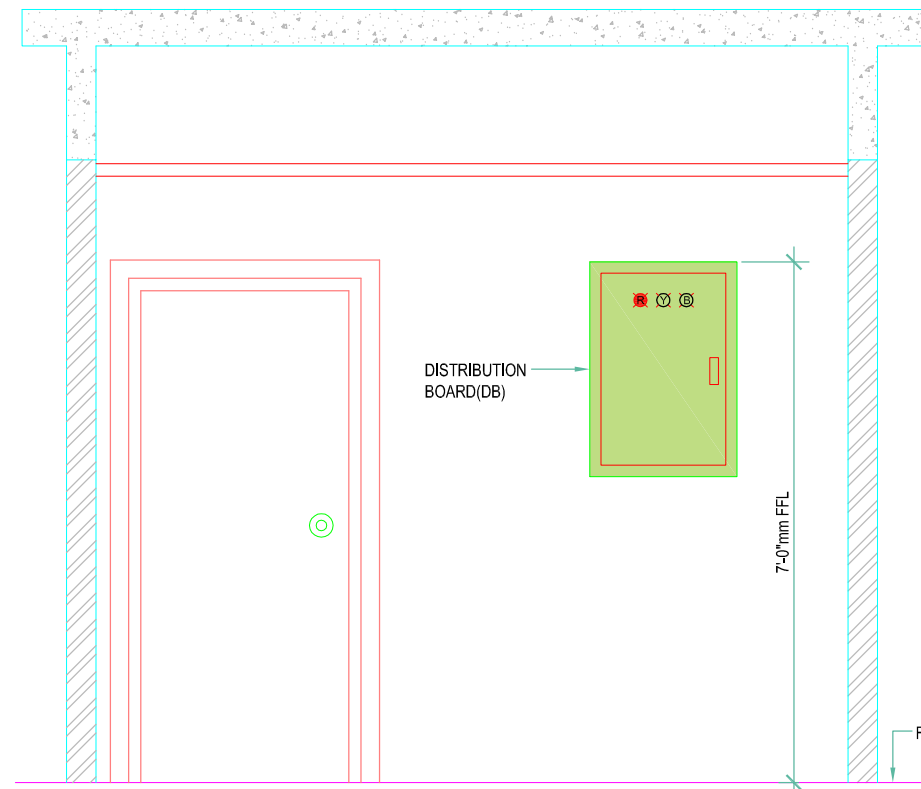
DRAWING No.	REVISION
EL-02	



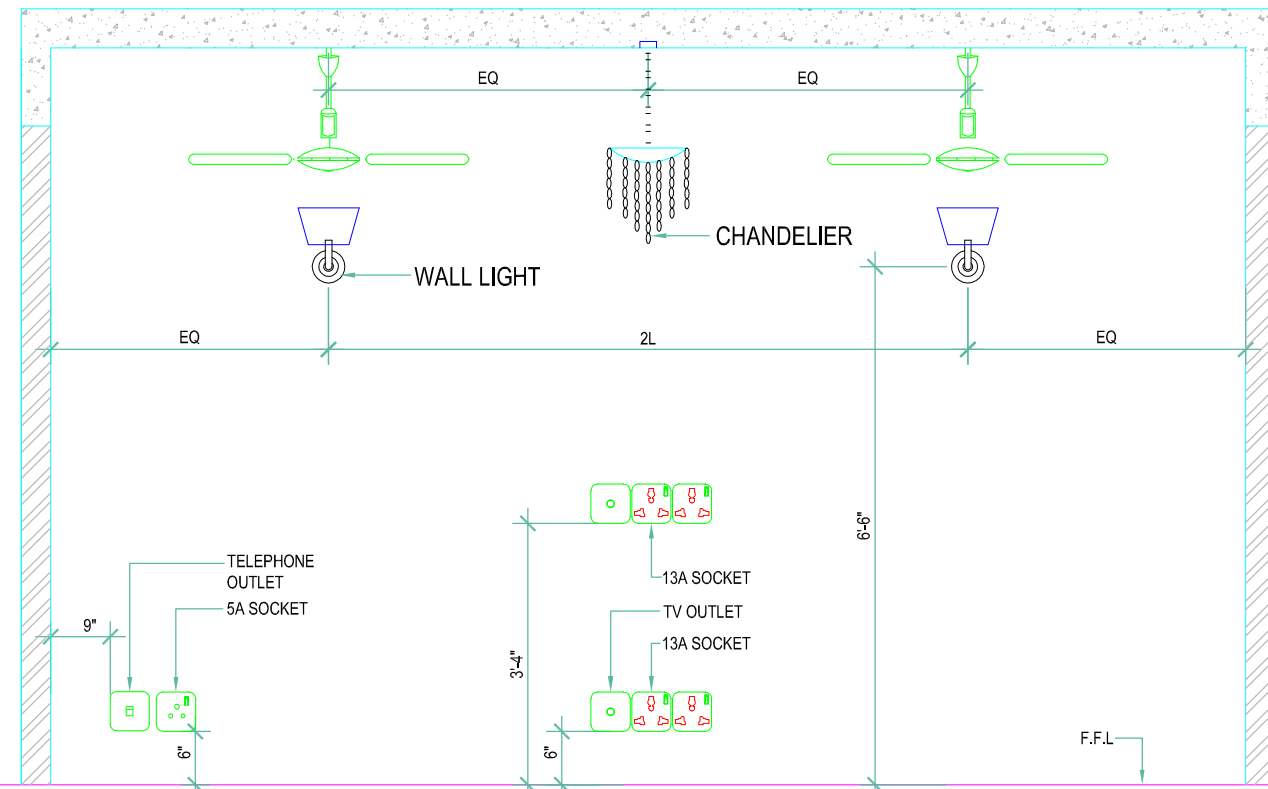
MOUNTING HEIGHT OF ELECTRICAL ACCESSORIES



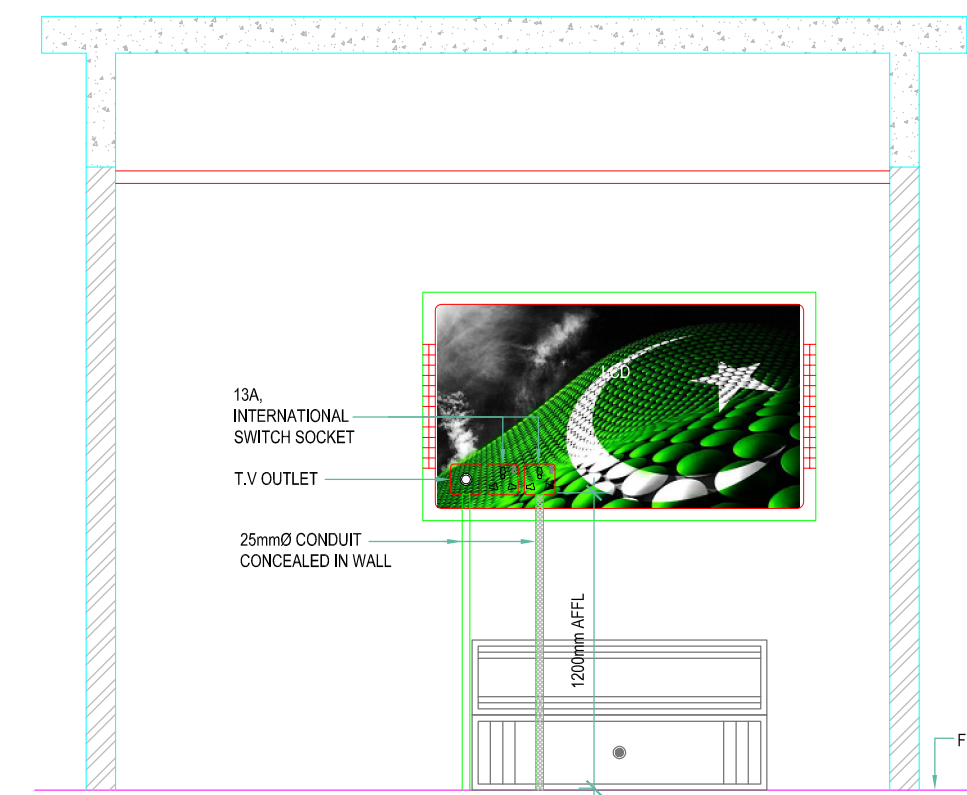
MOUNTING HEIGHT DISTRIBUTION BOARD.



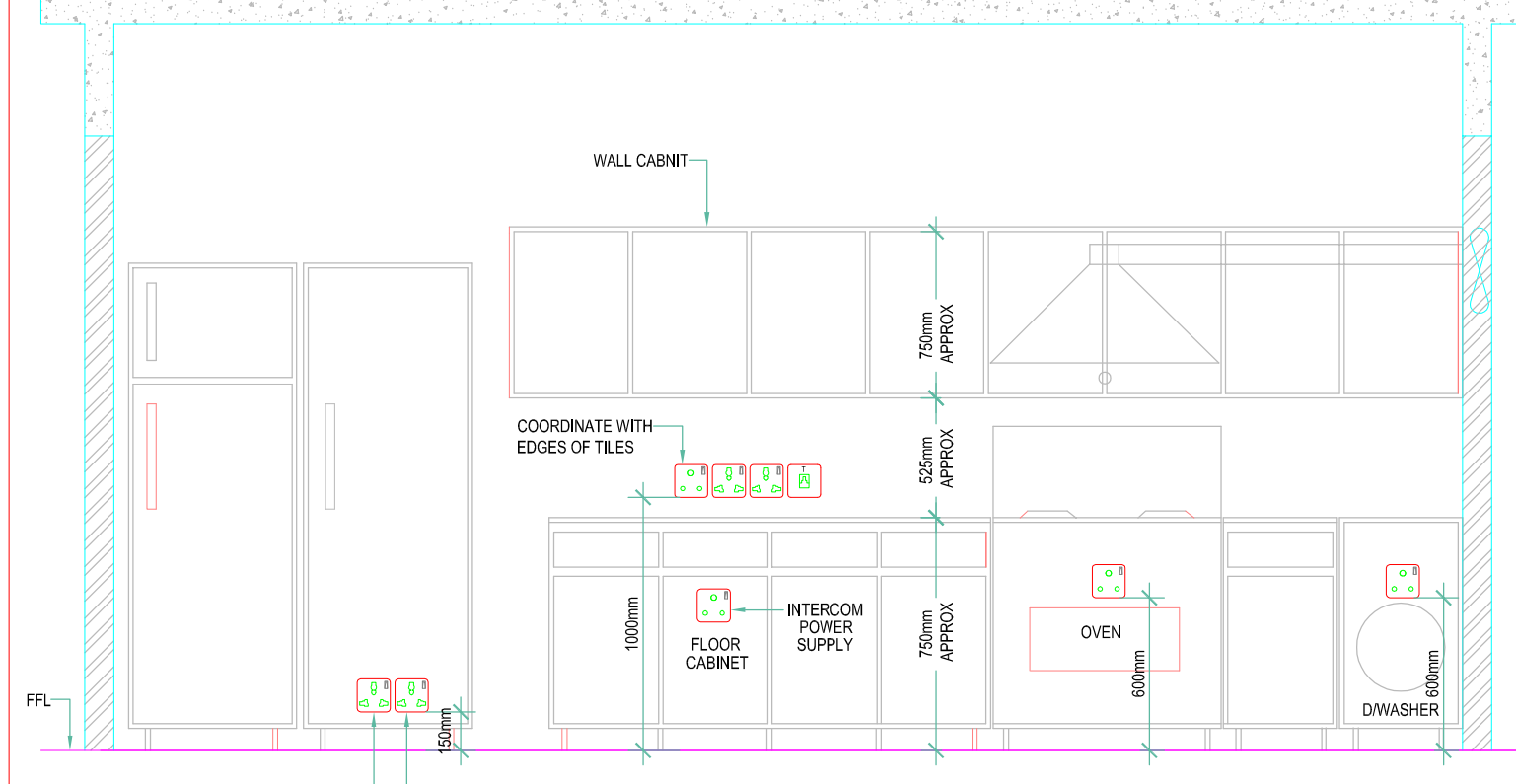
BED ROOM FIXTURE MOUNTING HEIGHT & DISTRIBUTION



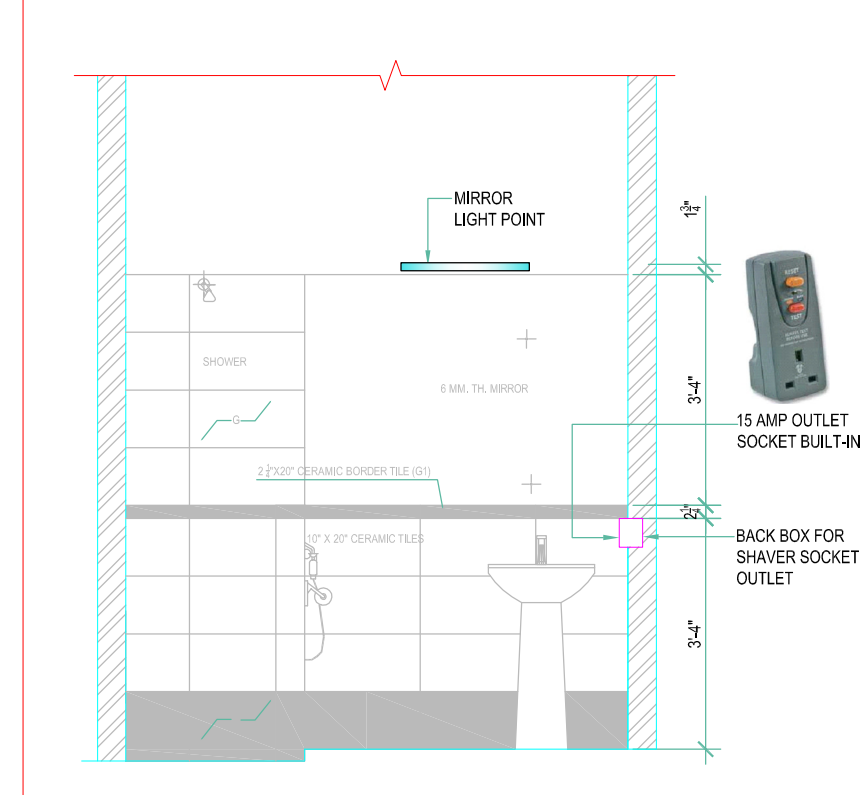
MOUNTING HEIGHT LED TV OUTLET POINT



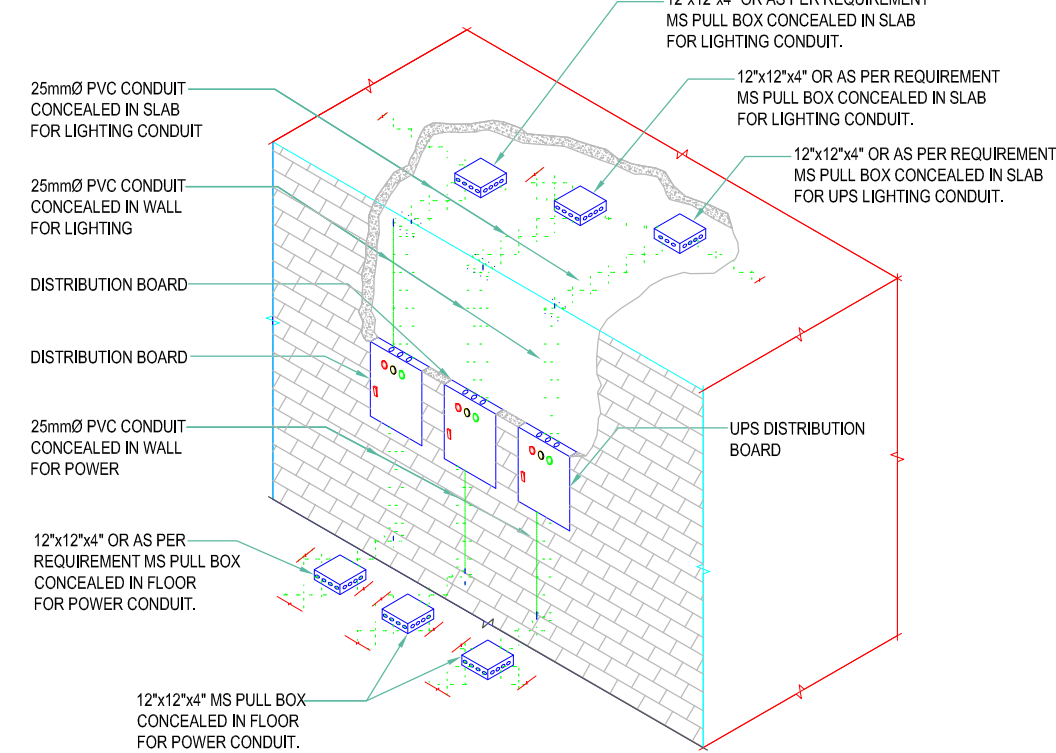
MOUNTING HEIGHT OF POWER SOCKET / RECEPTACLE IN KITCHEN



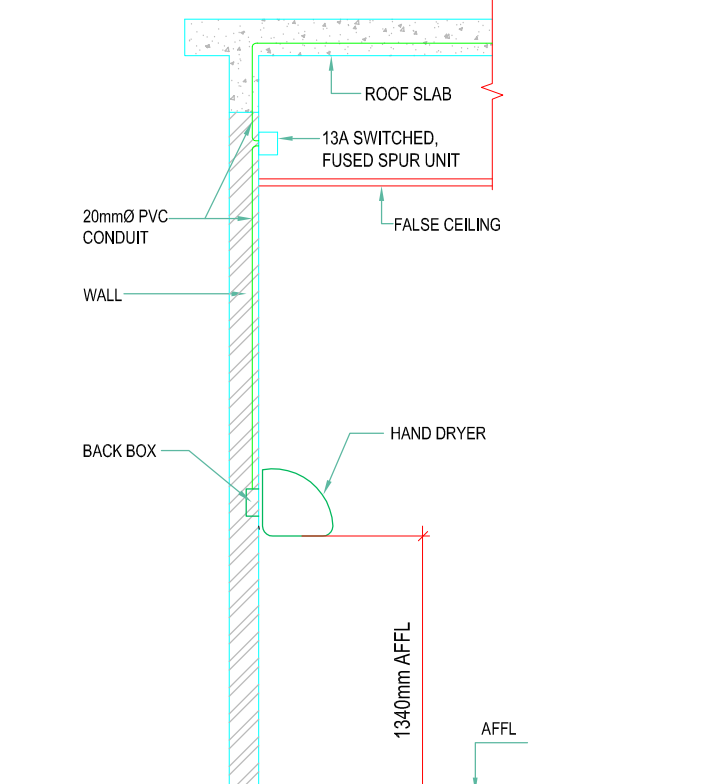
MOUNTING HEIGHT OF LIGHT POINT / POWER SOCKET IN BATH ROOM



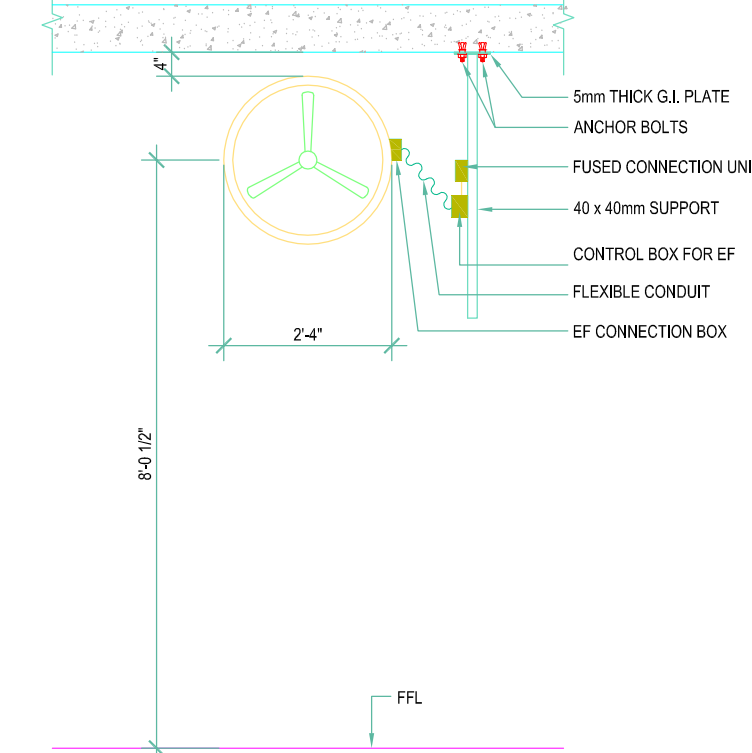
TYPICAL ROUTE OF CONDUITS VIA CEILING AND FLOOR PULL BOXES



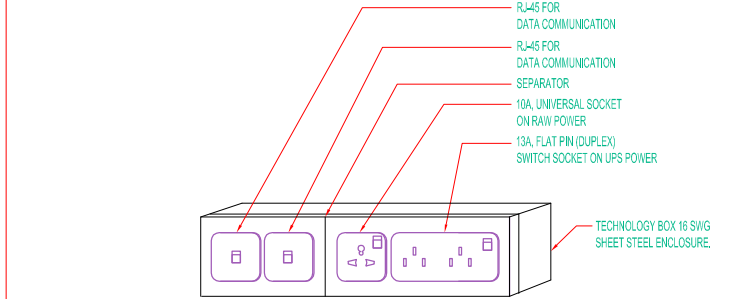
HAND DRYER



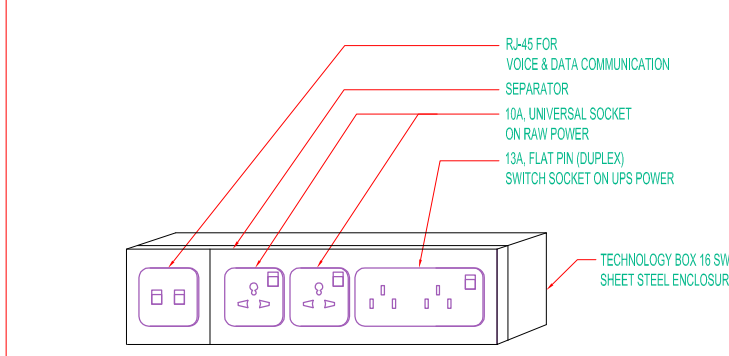
TYPICAL CONNECTION DETAIL OF EXHAUST FAN



LINEAR OUTLET BOX



LINEAR OUTLET BOX



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REV	DESCRIPTION	DATE	DRAWN	CHECKED
03				
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PROJECT STATUS

TENDER DRAWING

DRAWN	CHECKED	APPROVED:
FAIZAN	SAIF ALI	W.K.
PROJECT NO.:	SCALE:	DATE:
	N.T.S	12-07-2025

DRAWING TITLE:

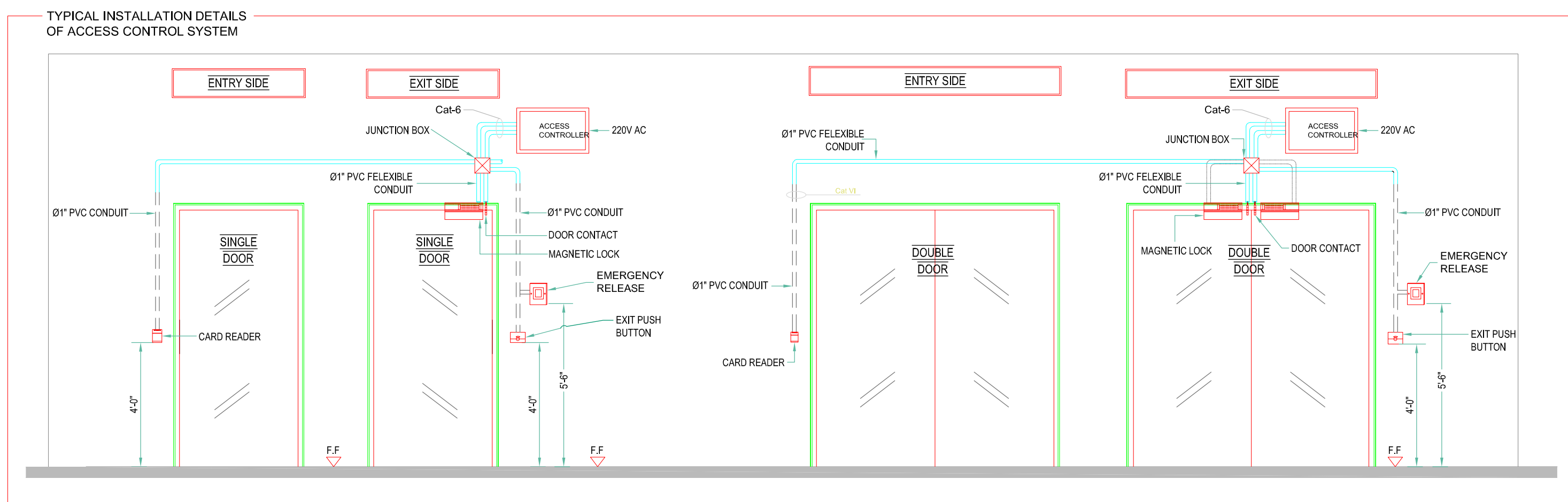
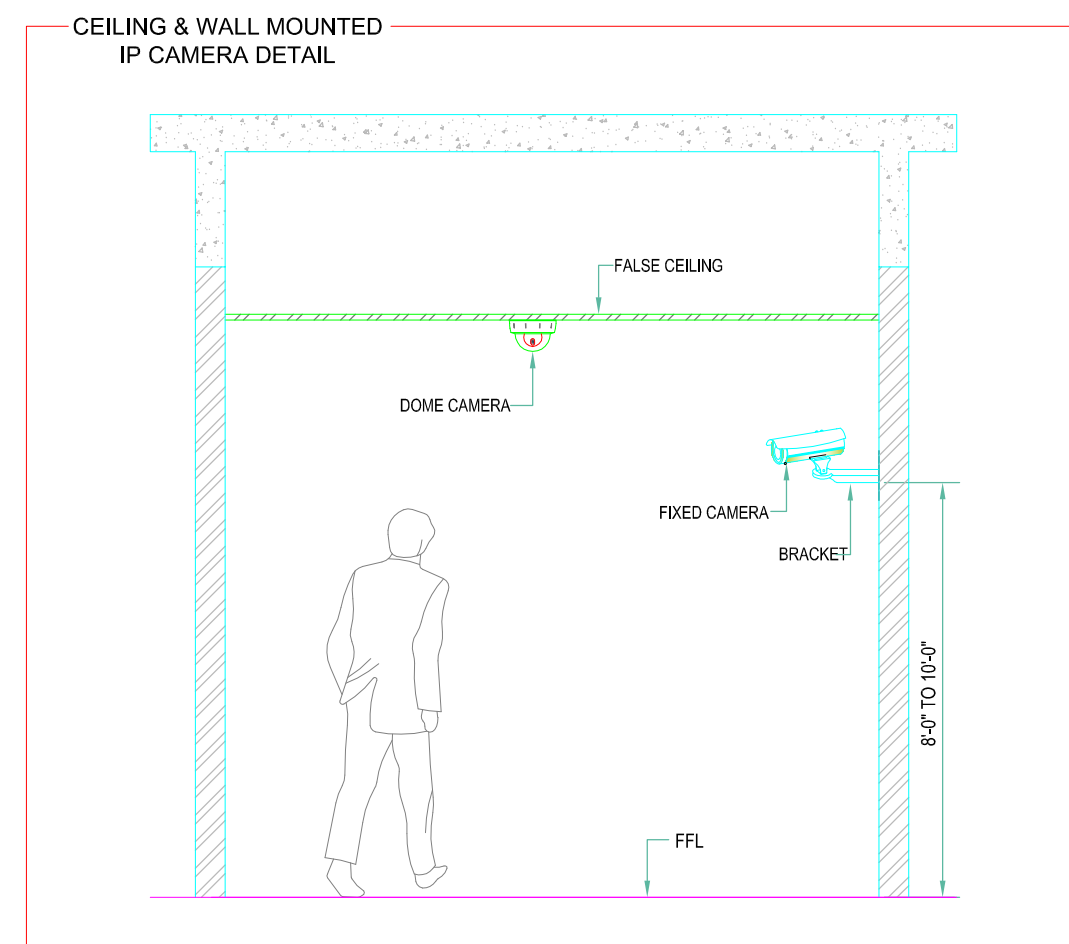
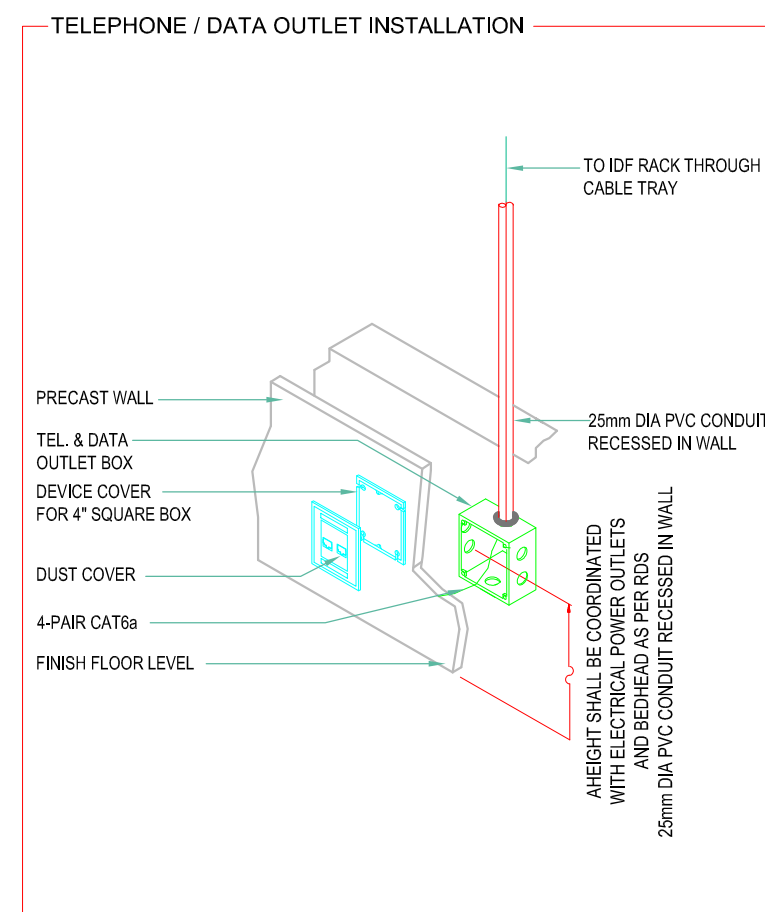
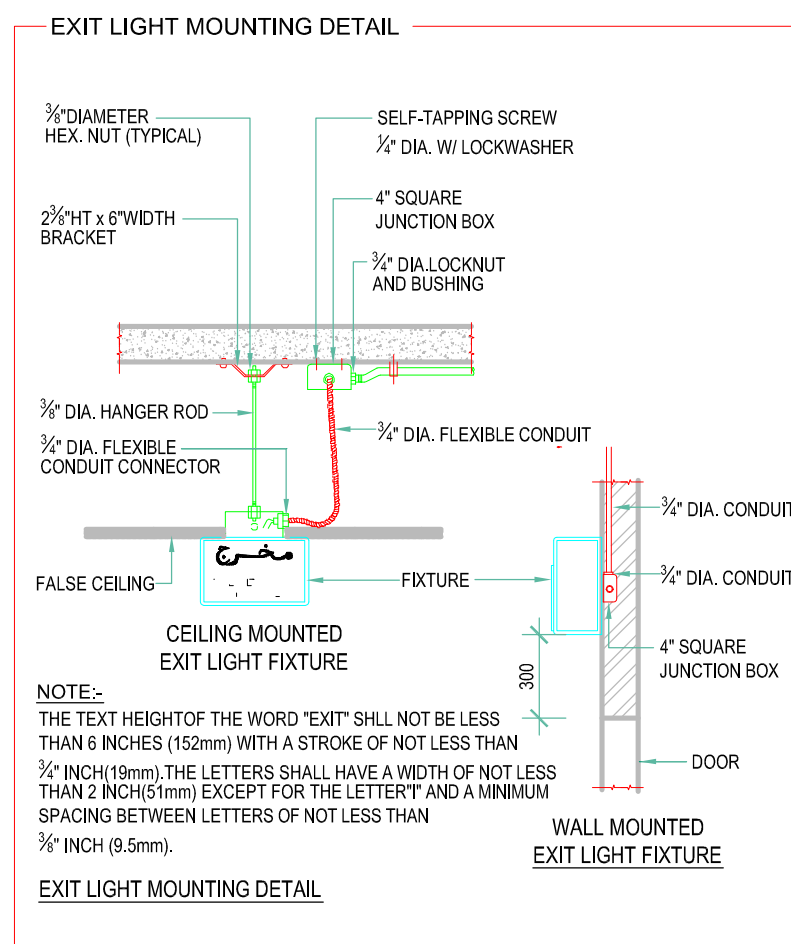
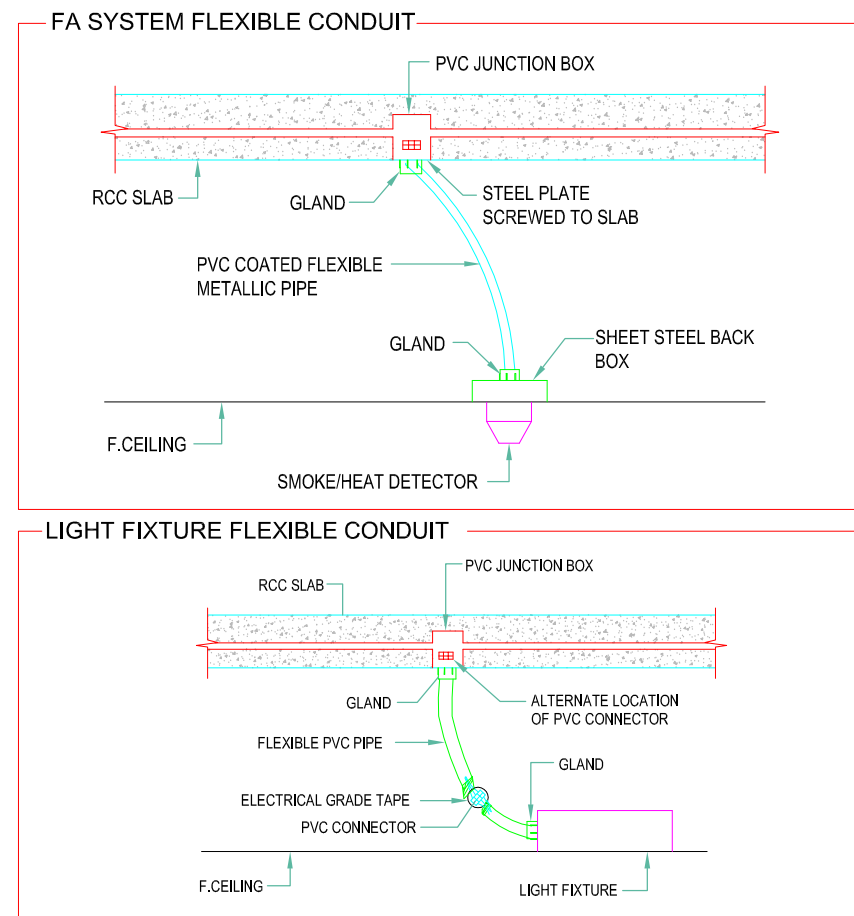
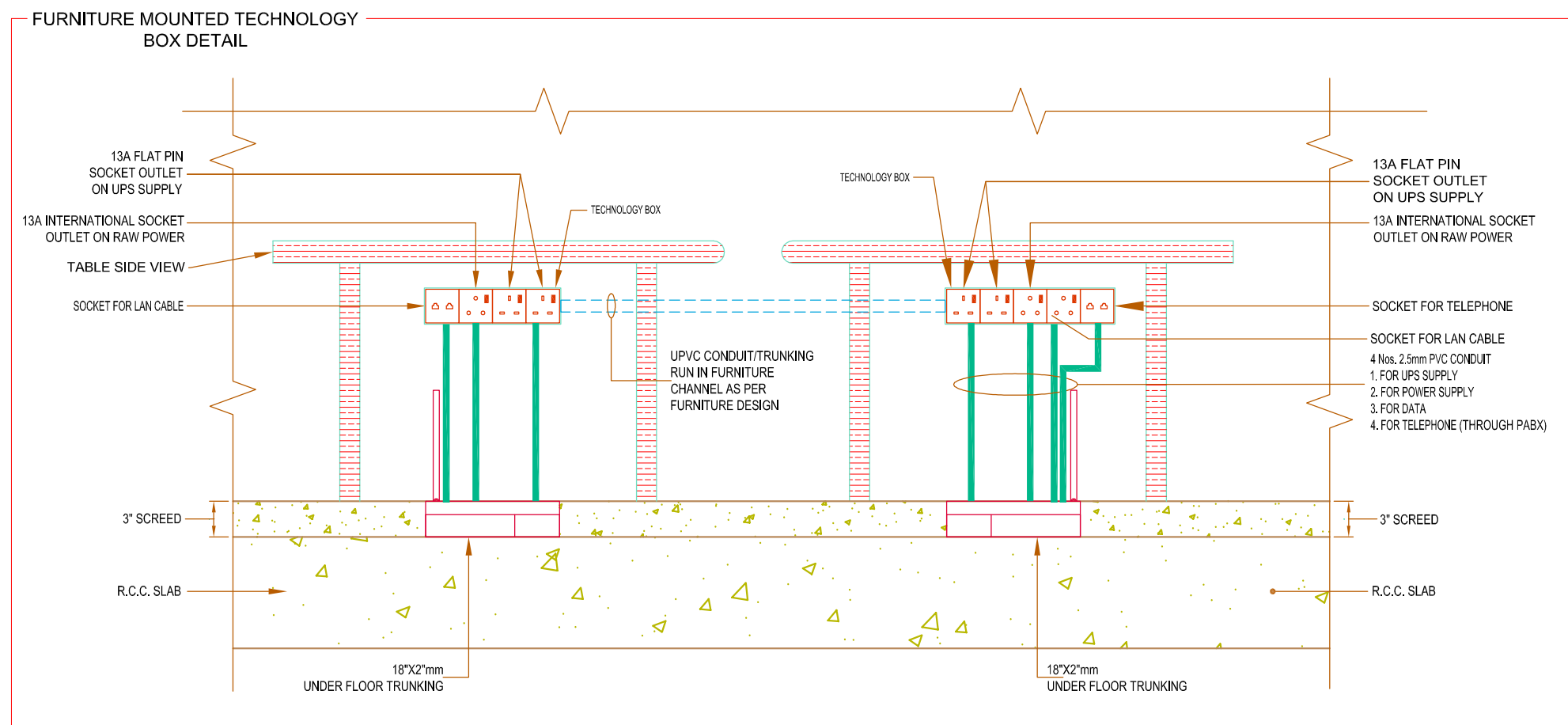
STANDARD ELECTRICAL  
DETAILS - I

DRAWING No.

EL-03

REVISION





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Design Consultant :

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REV	DESCRIPTION	DATE	DRAWN	CHECKED

## PROJECT STATUS

## TENDER DRAWING

DRAWN: <b>FAIZAN</b>	CHECKED: <b>SAIF ALI</b>	APPROVED: <b>W.K</b>
PROJECT No.:	SCALE: <b>N.T.S</b>	DATE: <b>12-07-2025</b>

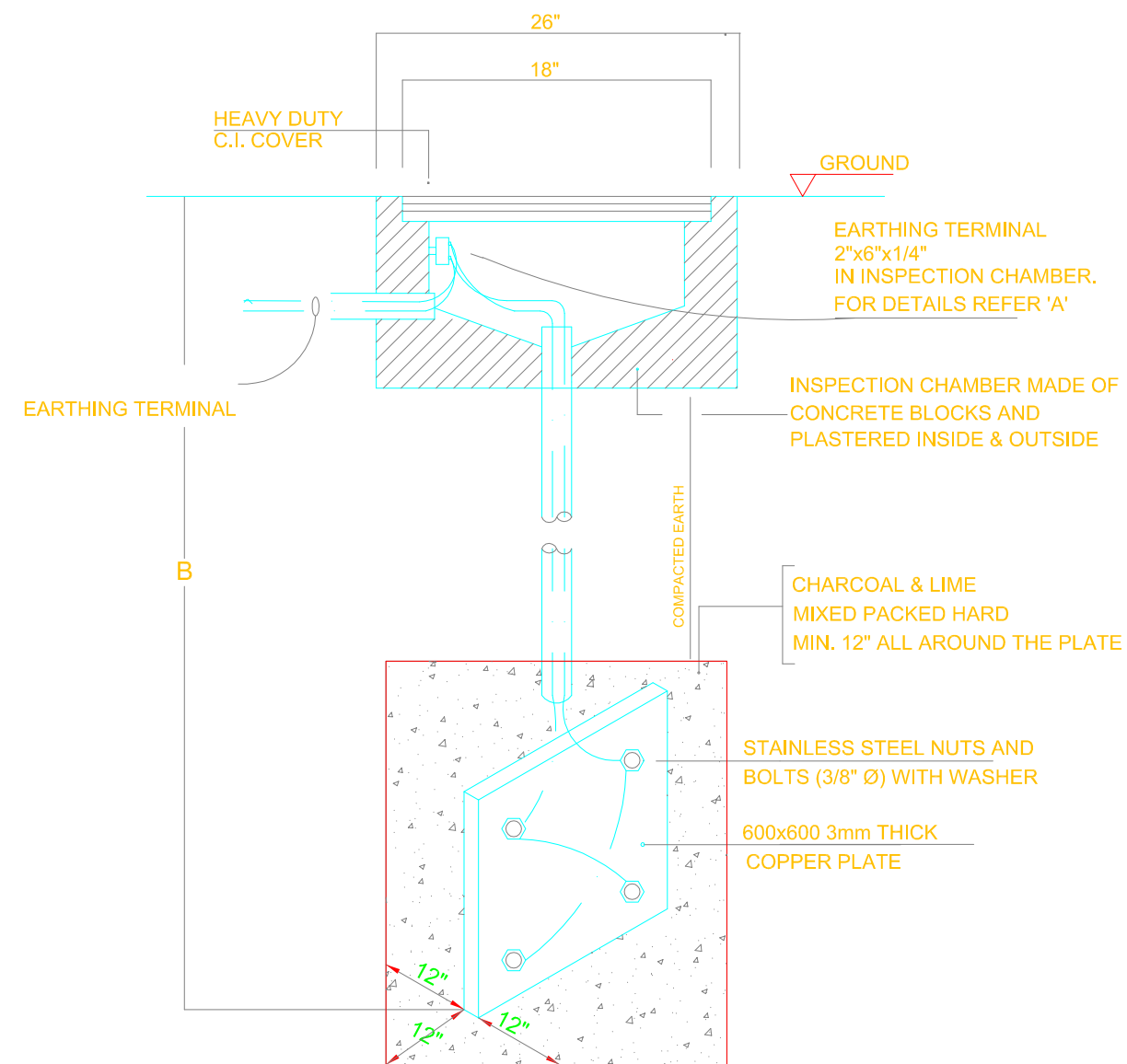
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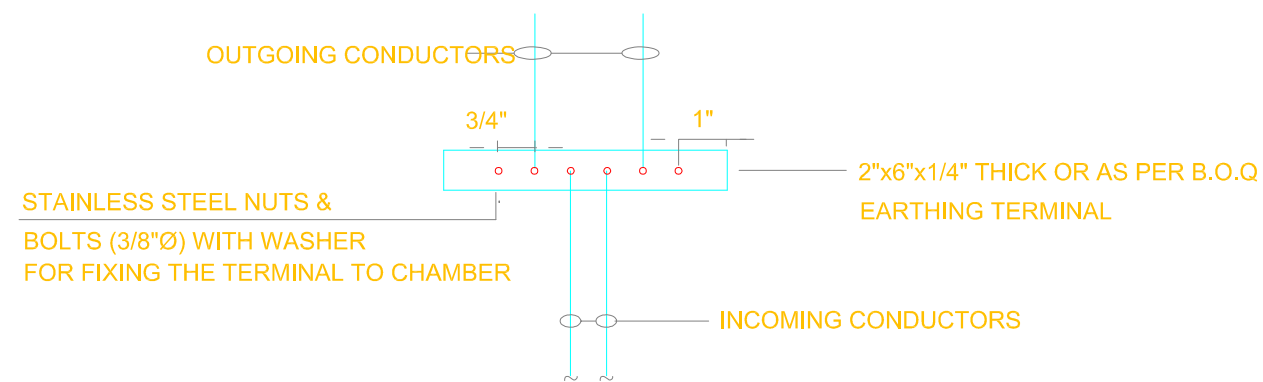
## REVISION

EL-04

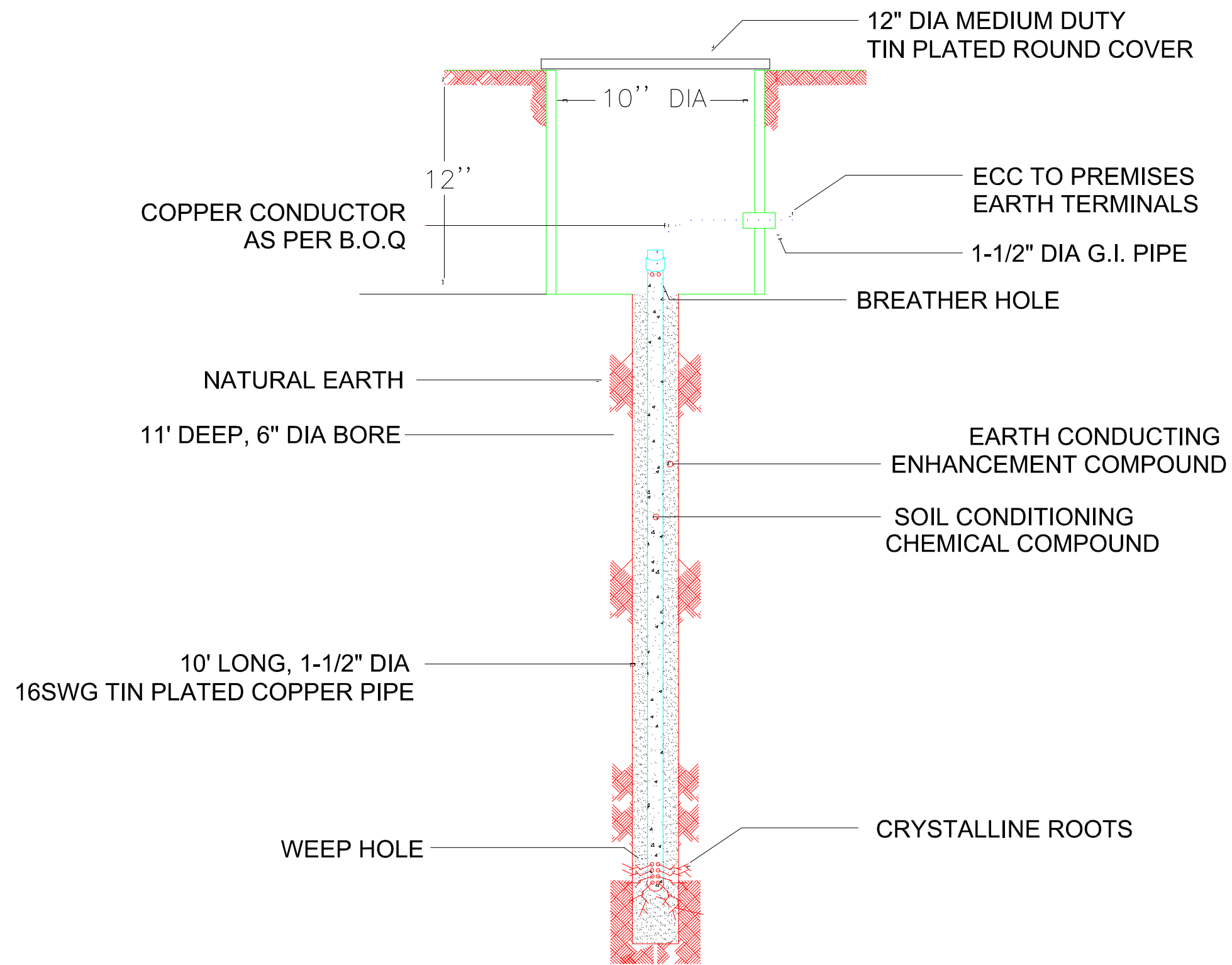




**EARTH PIT DETAIL**



**EARTHING TERMINAL DETAIL 'A'**



**ACTIVE GREEN EARTH**

CLIENT/ PROJECT:  
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KARACHI.**

Design Consultant:  
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REV	DESCRIPTION	DATE	DRAWN	CHECKED

PROJECT STATUS

**TENDER DRAWING**

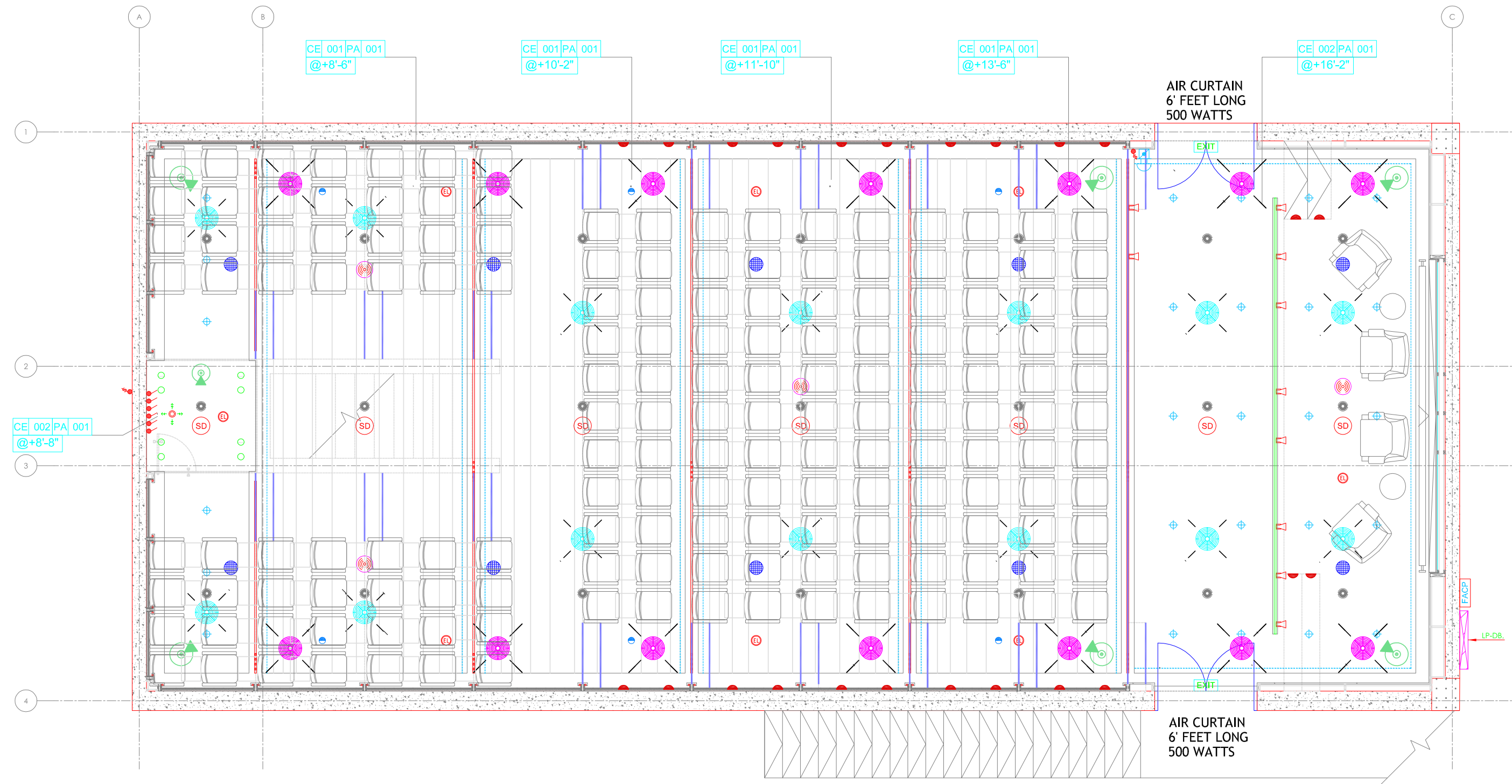
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FAIZAN	SAIF ALI	W.K
PROJECT No.:	SCALE:	DATE:
	N.T.S	12-07-2025

DRAWING TITLE:

**EARTHING DETAIL**

DRAWING No.	REVISION
EL-05	





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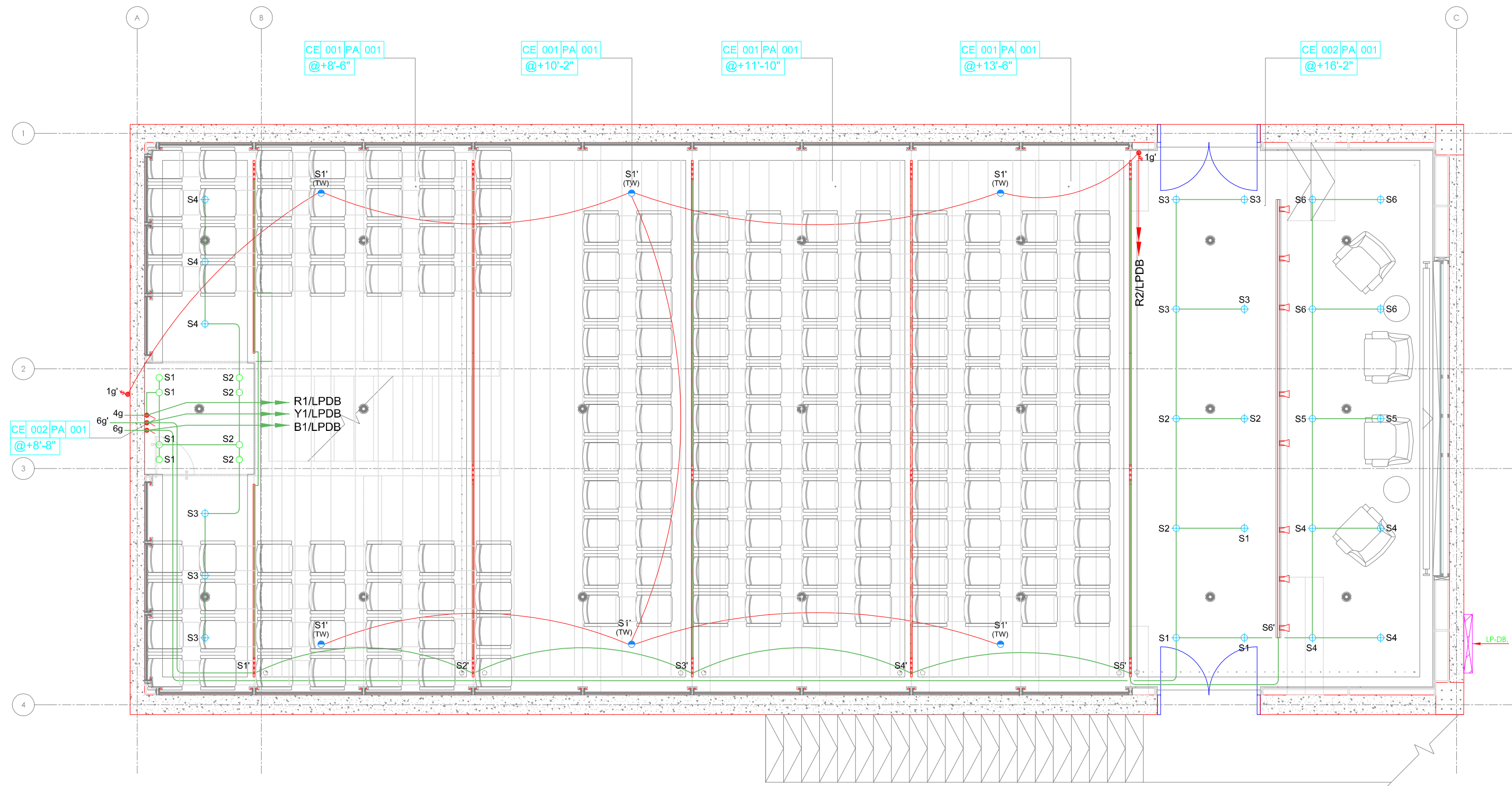
 **EXCELLENCE ASSOCIATES**  
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REV	DESCRIPTION	DATE	DRAWN	CHECKED
PROJECT STATUS				

DRAWN: Faizan	CHECKED: Saif Ali	APPROVED: W.K
PROJECT No.:	SCALE: 1/4" = 1'-0"	DATE: 12-07-2025

DRAWING No.	REVISION
EL-06	





CLIENT/ PROJECT:  
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PROJECT STATUS

### TENDER DRAWING

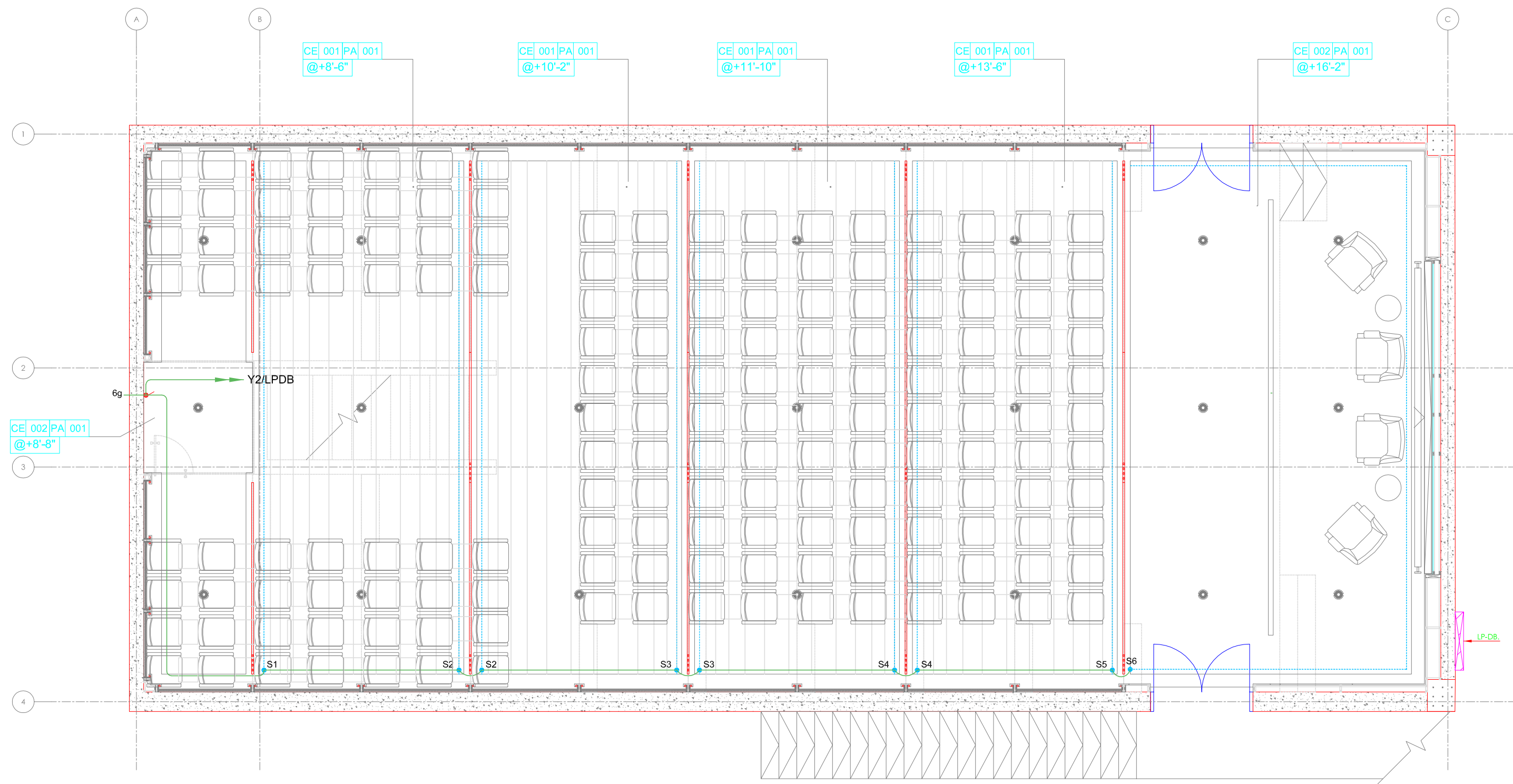
DRAWN Faizan	CHECKED Safir Ali	APPROVED: W.K.
PROJECT No.:	SCALE: 1/4" = 1'-0"	DATE: 12-07-2025

DRAWING TITLE:

**LIGHTING LAYOUT - 1**

DRAWING No. <b>EL-07</b>	REVISION
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CLIENT/ PROJECT:

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Design Consultant:

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REV	DESCRIPTION	DATE	DRAWN	CHECKED

PROJECT STATUS

**TENDER DRAWING**

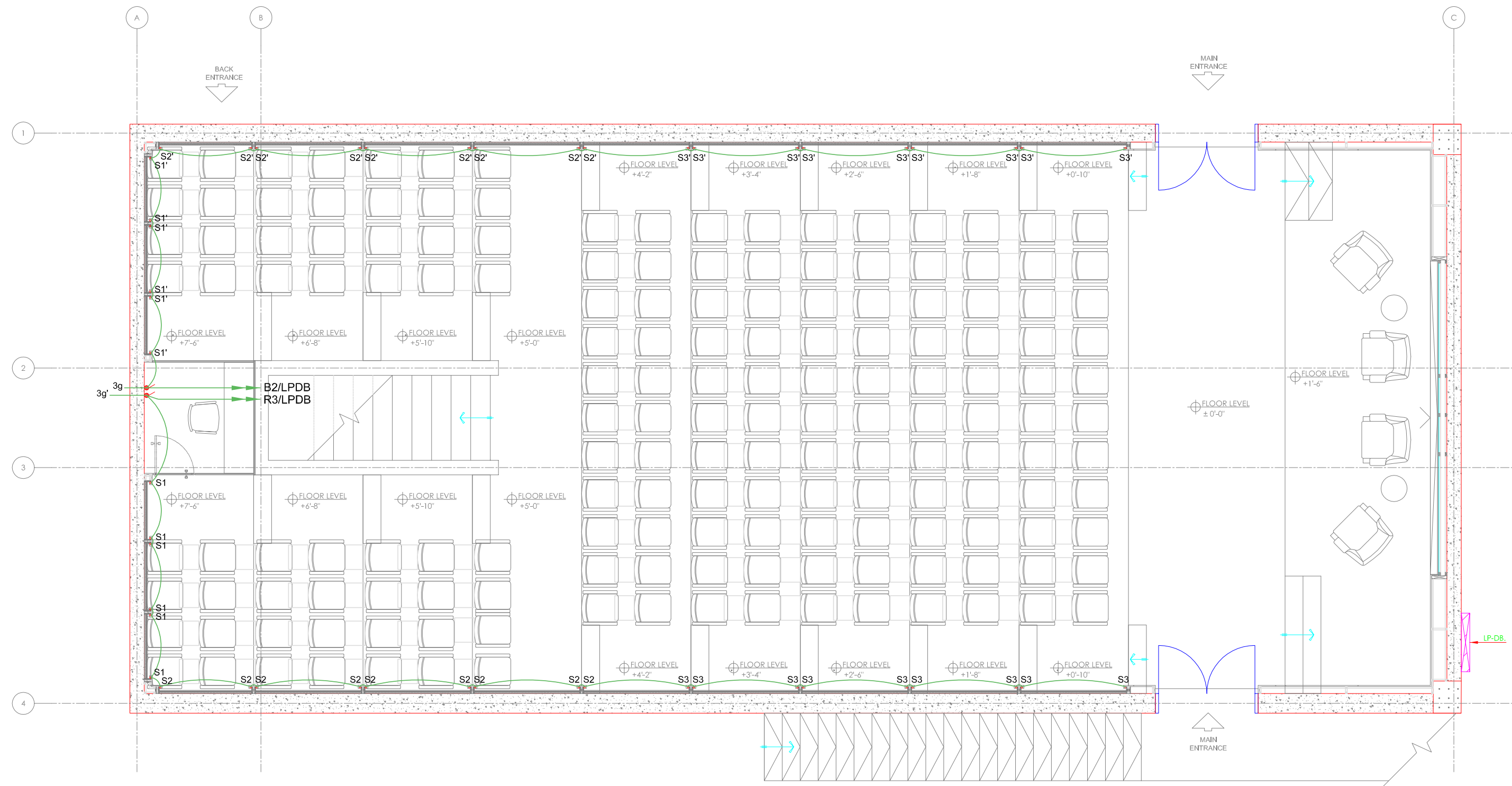
DRAWN	CHECKED	APPROVED:
Falzon	Saif Ali	W.K.
PROJECT No.:	SCALE:	DATE:
	1/4" = 1'-0"	12-07-2025

DRAWING TITLE:

**LIGHTING LAYOUT - 2**

DRAWING No.	REVISION
EL-08	





CLIENT/ PROJECT:  
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Design Consultant:  
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REV	DESCRIPTION	DATE	DRAWN	CHECKED

PROJECT STATUS

**TENDER DRAWING**

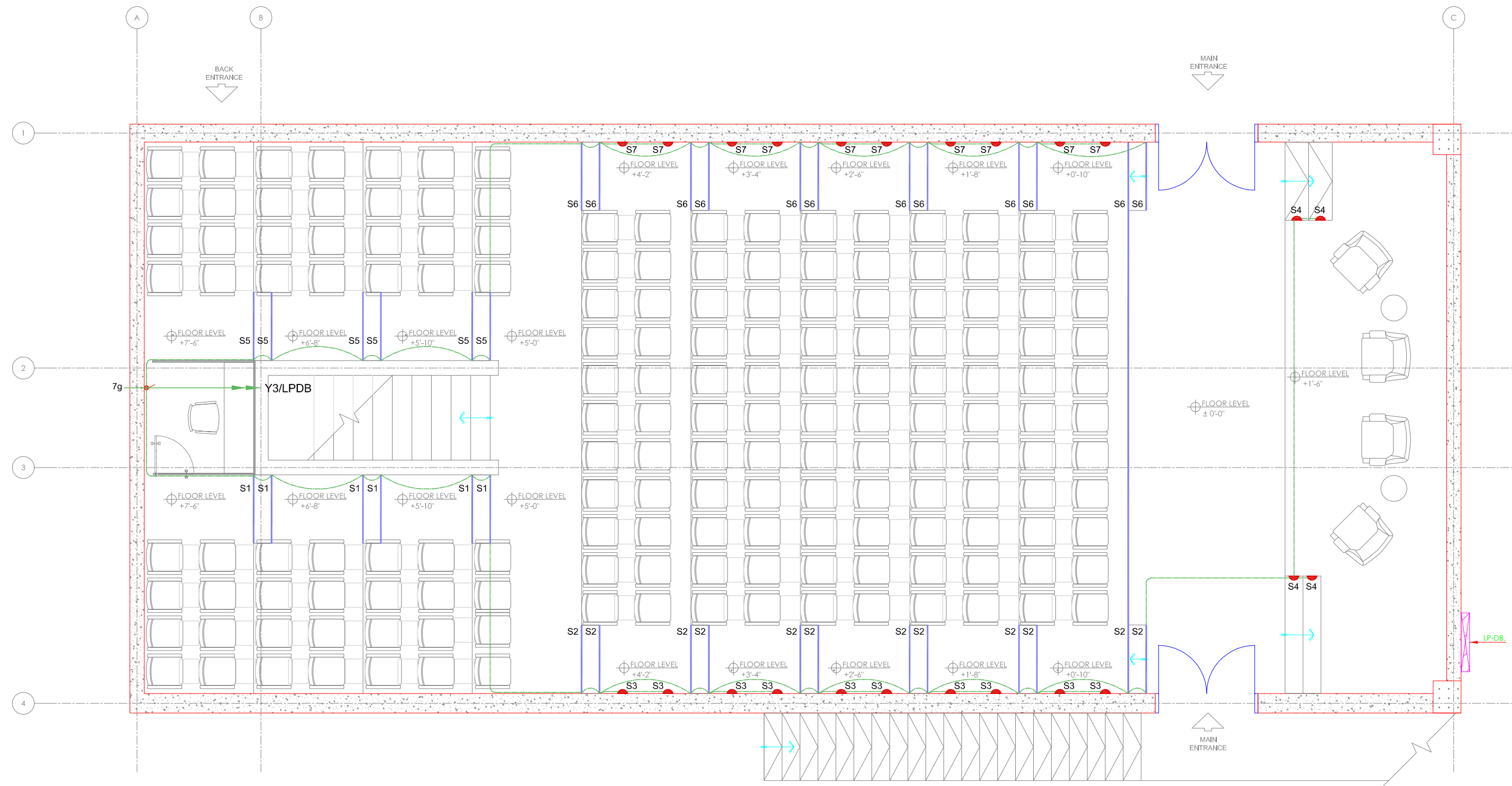
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Faizan	Saif Ali	W.K.
PROJECT No.:	SCALE:	DATE:
	1/4" = 1'-0"	12-07-2025

DRAWING TITLE:

**LIGHTING LAYOUT - 3**

DRAWING No.	REVISION
<b>EL-09</b>	





CLIENT/ PROJECT:  
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REV	DESCRIPTION	DATE	DRAWN	CHECKED

PROJECT STATUS

**TENDER DRAWING**

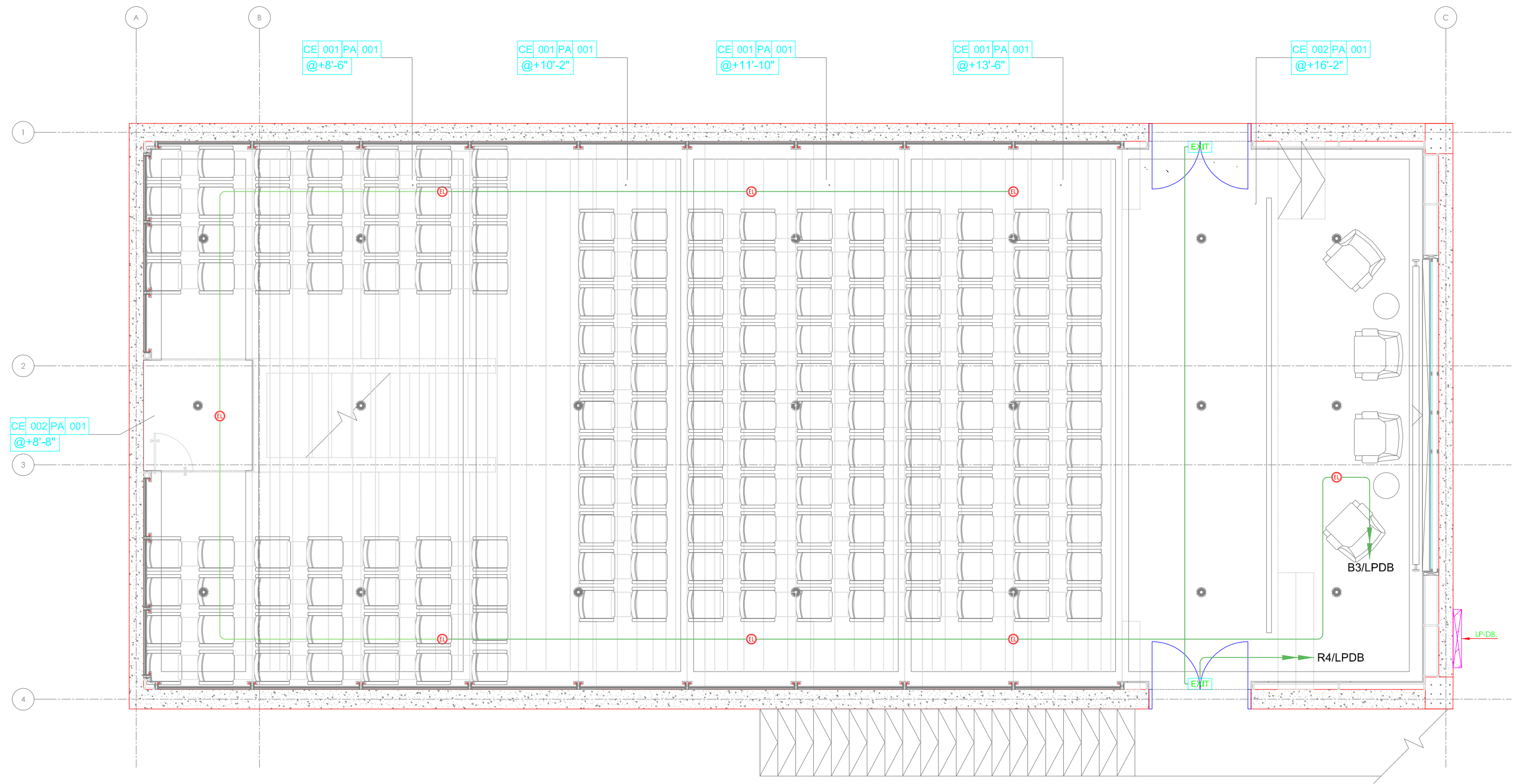
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Faizan	Saif Ali	W.K.
PROJECT No.:	SCALE:	DATE:
	1/4" = 1'-0"	12-07-2025

DRAWING TITLE:

**LIGHTING LAYOUT - 4**

DRAWING No.	REVISION
<b>EL-10</b>	





CLIENT/ PROJECT:  
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Design Consultant:  
**NAJMI  
BILGRAMI  
COLLABORATIVE (PVT) LTD**  
H.C. Lane 7, Near The-Baluch Commercial Plaza-VI, D.G.K.A. Karachi, Pakistan.  
T: +92-21-35879788, 35879789, 35879790  
F: +92-21-35879788  
W: www.nbj.com

MEP CONSULTANTS  
**EXCELLENCE ASSOCIATES**  
MEP CONSULTING ENGINEERS  
1001 F-201, 10th Floor, Kharay M.H. Road,  
Block-7, R.A.E.C. District of East Karachi  
P.O. Box: 3221, Kharay M.H. Road,  
East Karachi-752001  
E: info@excellencepk.com

03				
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REV	DESCRIPTION	DATE	DRAWN	CHECKED

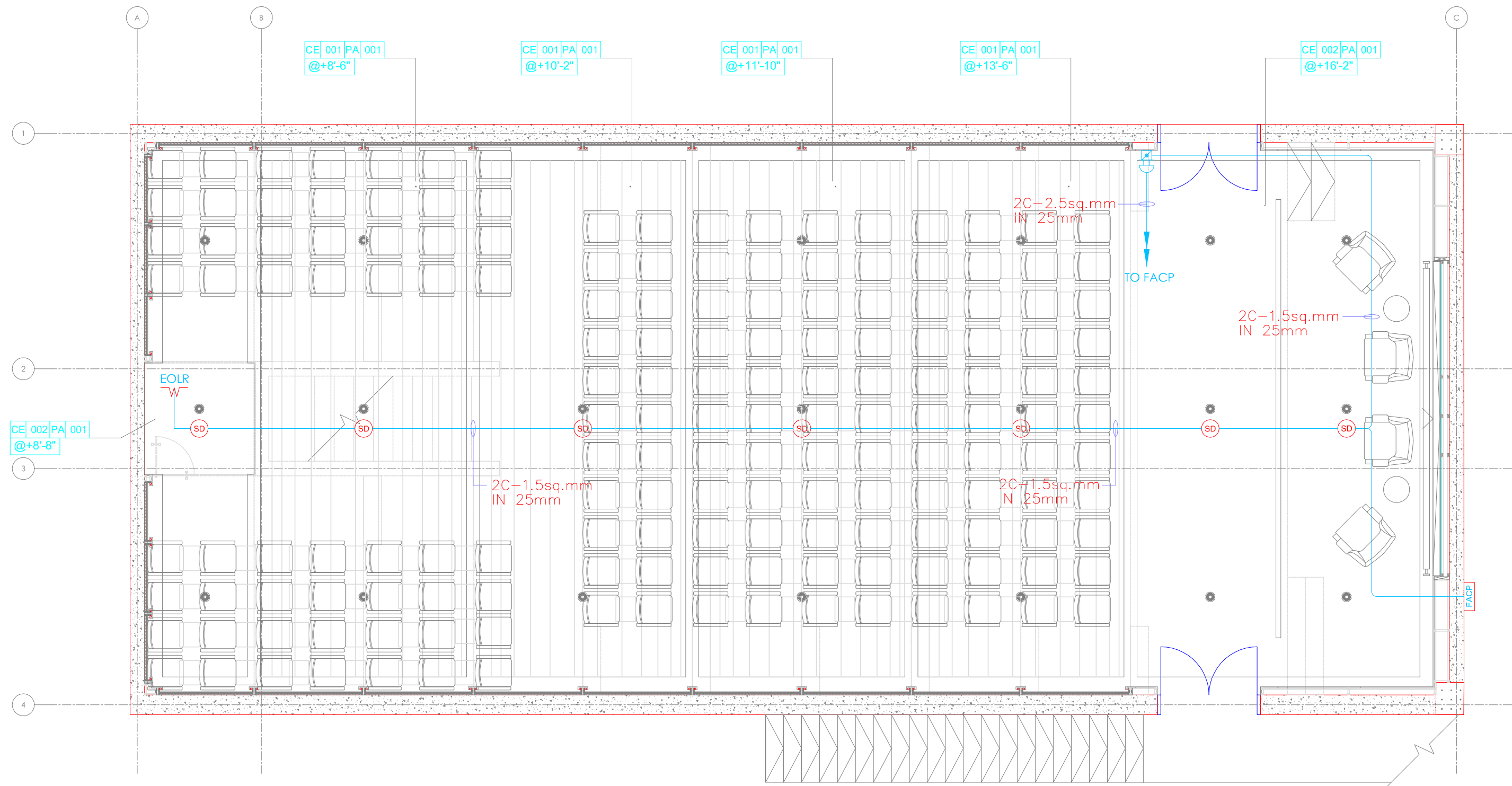
PROJECT STATUS  
**TENDER DRAWING**

DRAWN	CHECKED	APPROVED:
Falzon	Said Ali	W.K.
PROJECT No.:	SCALE:	DATE:
	1/4" = 1'-0"	12-07-2025

DRAWING TITLE:  
**EMERGENCY LIGHTING  
LAYOUT**

DRAWING No.	REVISION
<b>EL-11</b>	





UIT UNIVERSITY,  
KARACHI.

**NAJMI  
BILGRAMI  
COLLABORATIVE (PVT) LTD**  
14-C, Lane 7, Main Kh-e-Bakhari Commercial Phase -VI, D.O.M.A, Karachi, Pakistan,  
T +92-21-35242620, 35242642, 35857957, 35857900  
F +92-21-35879866

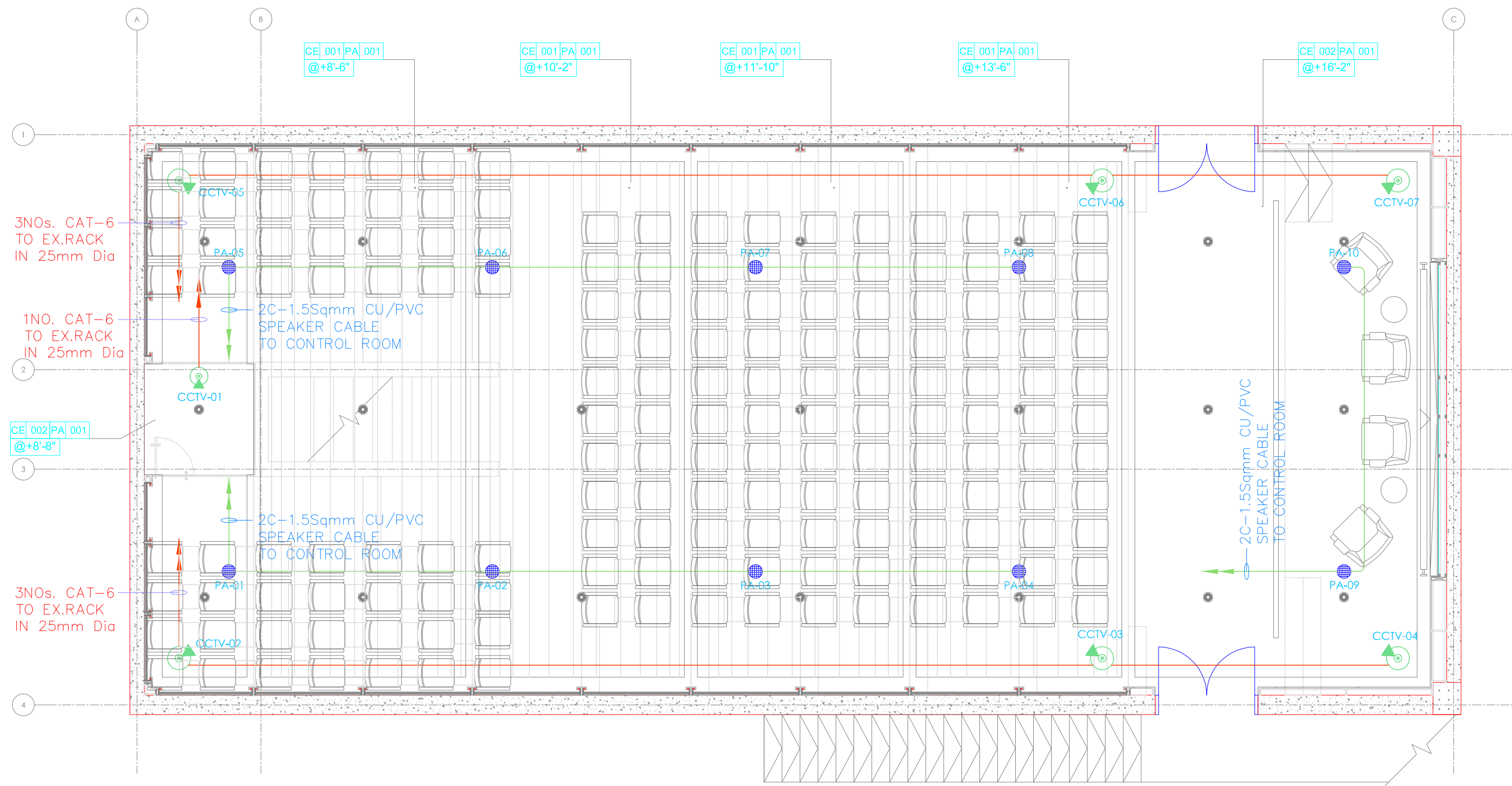
 **EXCELLENT ASSOCIATES**  
MEP CONSULTING ENGINEERS  
SUITE # 201, 2nd FLOOR ANUM BLESSING  
Block. 7 & 8 K.C.H.S. Shalwa-Palad Kanadi  
Tel.No. 92-21-3454908,34324260,  
Fax.No. 92-21-4386343  
(e-mail: [excelle\\_1@yahoo.com](mailto:excelle_1@yahoo.com))

REV	DESCRIPTION	DATE	DRAWN	CHECKED
PROJECT STATUS				

DRAWN: Faizon	CHECKED: Saif Ali	APPROVED: W.K
PROJECT No.:	SCALE: 1/4" = 1'-0"	DATE: 12-07-2025

DRAWING No.	REVISION
EL-12	





CLIENT/ PROJECT:  
**UIT UNIVERSITY,  
KARACHI.**

Design Consultant:  
**NAJMI  
BILGRAMI  
COLLABORATIVE (PVT) LTD**  
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W: www.nbjb.com

MEP CONSULTANTS  
**EXCELLENT ASSOCIATES**  
MEP CONSULTING ENGINEERS  
10011 F-206, 10th Floor, Kharanah Hill, Islamabad  
Branch: F-7/8, B.C.T.B.S. Industrial Estate, Karachi  
Fax No: 35711111, 35711112, 35711113  
E: info@excellentpk.com  
P: 0300-3571111

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REV	DESCRIPTION	DATE	DRAWN	CHECKED
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PROJECT STATUS

**TENDER DRAWING**

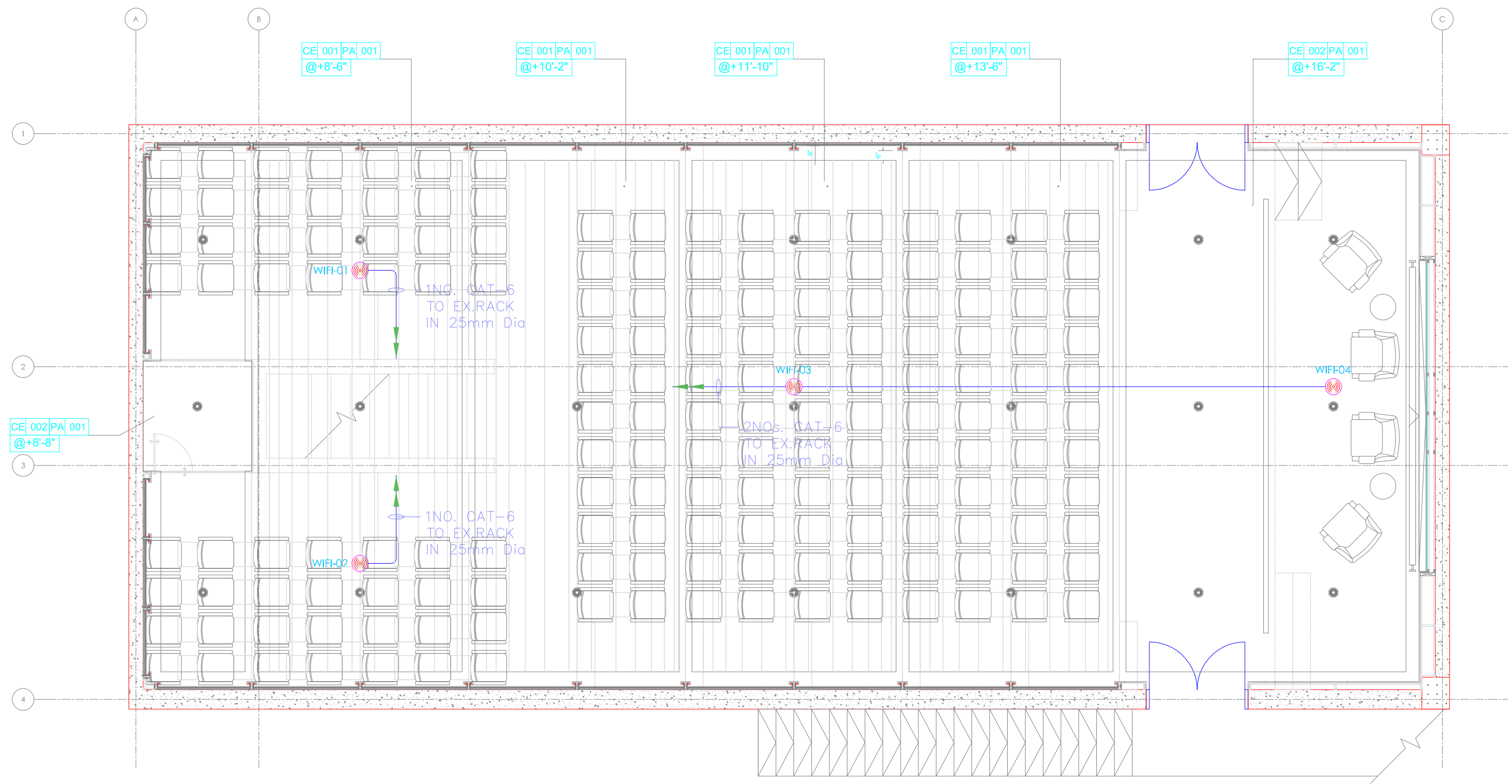
DRAWN Faizan	CHECKED Saff Ali	APPROVED: W.K
PROJECT No.:	SCALE: 1/4" = 1'-0"	DATE: 12-07-2025

DRAWING TITLE:

**CCTV & SOUND LAYOUT**

DRAWING No. <b>EL-13</b>	REVISION
-----------------------------	----------





CLIENT/ PROJECT:

UIT UNIVERSITY,  
KARACHI.

Design Consultant:

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EXCELLENT ASSOCIATES  
MEP CONSULTING ENGINEERS  
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F-7/2, Karachi-75250, Pakistan  
E: info@excellentpk.com

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REV	DESCRIPTION	DATE	DRAWN	CHECKED

PROJECT STATUS

TENDER DRAWING

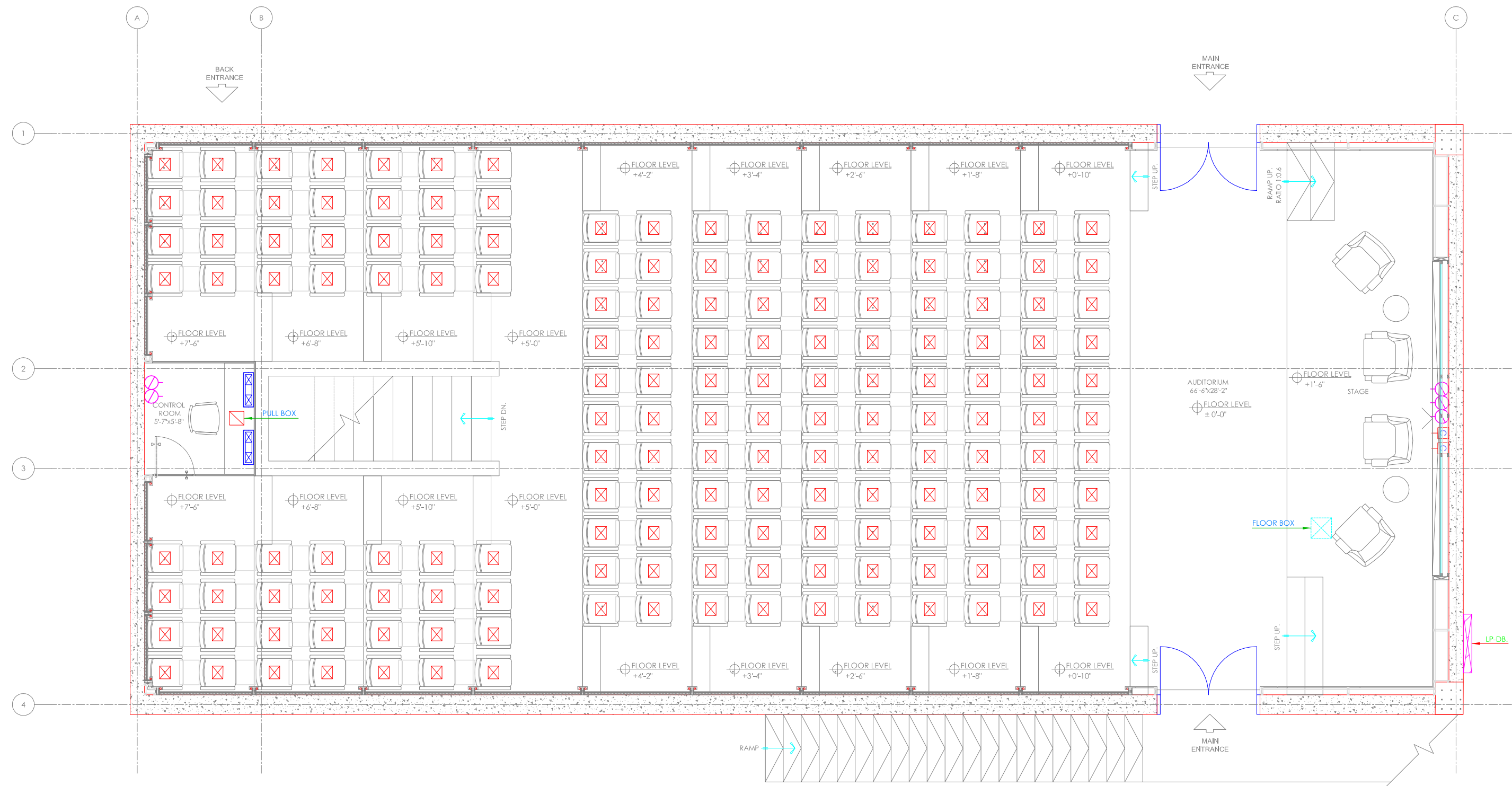
DRAWN	CHECKED	APPROVED:
Falzon	Saffi Ali	W.K.
PROJECT No.:	SCALE:	DATE:
	1/4" = 1'-0"	12-07-2025

DRAWING TITLE:

WIFI LAYOUT

DRAWING No.	REVISION
EL-14	

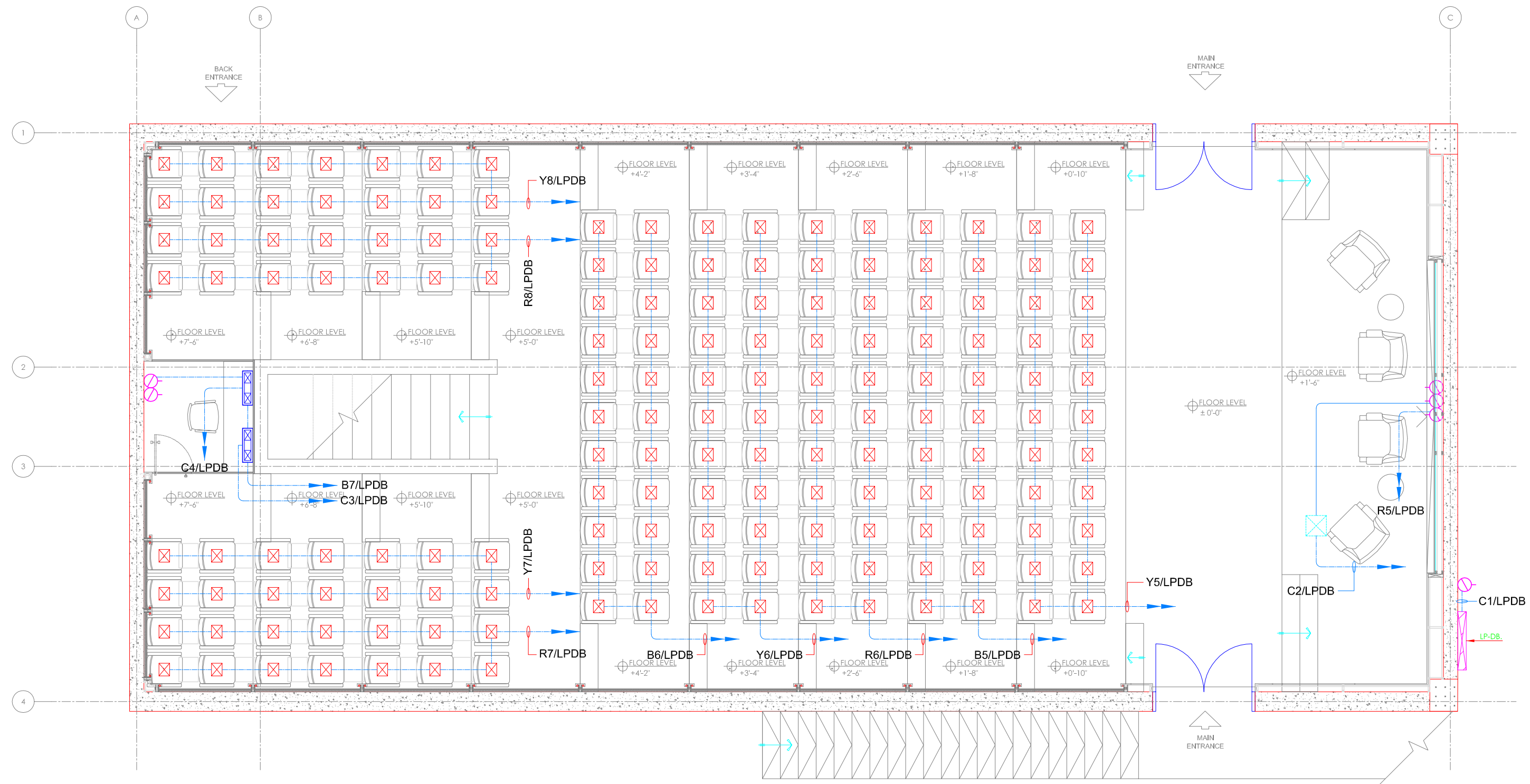




EL-15

EL-15





CLIENT/ PROJECT:  
**UIT UNIVERSITY,  
KARACHI.**

Design Consultant:  
**NAJMI  
BILGRAMI  
COLLABORATIVE (PVT) LTD**  
H-4, Lane 7, Near The-Bahawal Commercial Plaza-VI, D-6/KA, Karachi, Pakistan.  
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MEP CONSULTANTS  
**EXCELLENT ASSOCIATES**  
MEP CONSULTING ENGINEERS  
1001 F-20, 10th Floor, Near H-8, Islamabad  
Mob: 99, 99, 99, 99, 99, 99, 99, 99, 99, 99  
Fax: 99, 99, 99, 99, 99, 99, 99, 99, 99, 99  
E: info@excellent.com

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REV	DESCRIPTION	DATE	DRAWN	CHECKED
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PROJECT STATUS

**TENDER DRAWING**

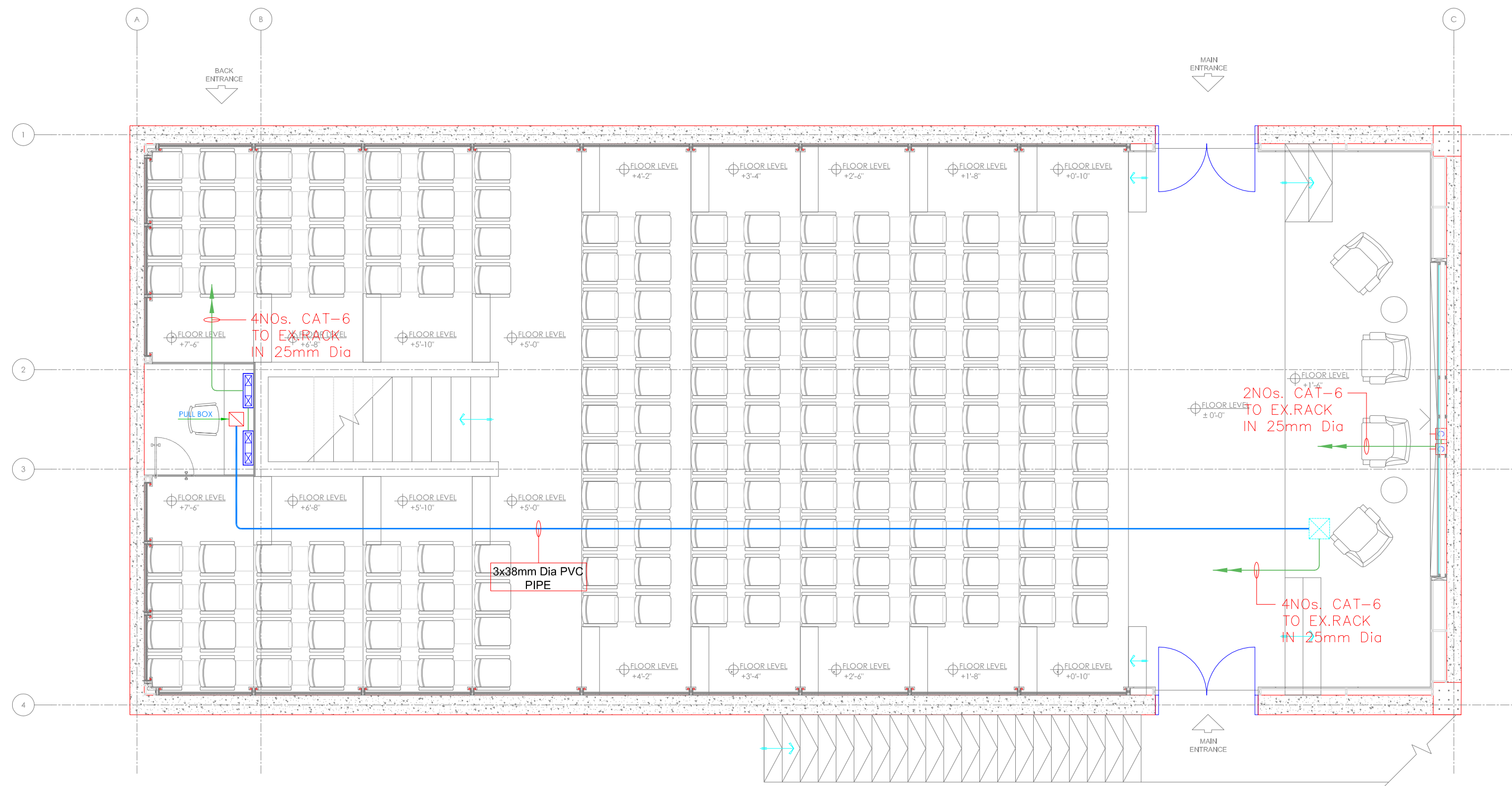
DRAWN	CHECKED	APPROVED:
Falzon	Saffi Ali	W.K
PROJECT No.:	SCALE:	DATE:
	1/4" = 1'-0"	12-07-2025

DRAWING TITLE:

**RAW & UPS POWER LAYOUT**

DRAWING No.	REVISION
<b>EL-16</b>	





CLIENT/ PROJECT:  
**UIT UNIVERSITY,  
KARACHI.**

Design Consultant:  
**NAJMI  
BILGRAMI  
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MEP CONSULTANTS  
**EXCELLENCE ASSOCIATES**  
MEP CONSULTING ENGINEERS  
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P.O. Box: 3521, Clifton, Karachi  
T: +92-21-35879788  
E: info@excellence.com

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REV	DESCRIPTION	DATE	DRAWN	CHECKED
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PROJECT STATUS

**TENDER DRAWING**

DRAWN	CHECKED	APPROVED:
Falzan	Saif Ali	W.K.

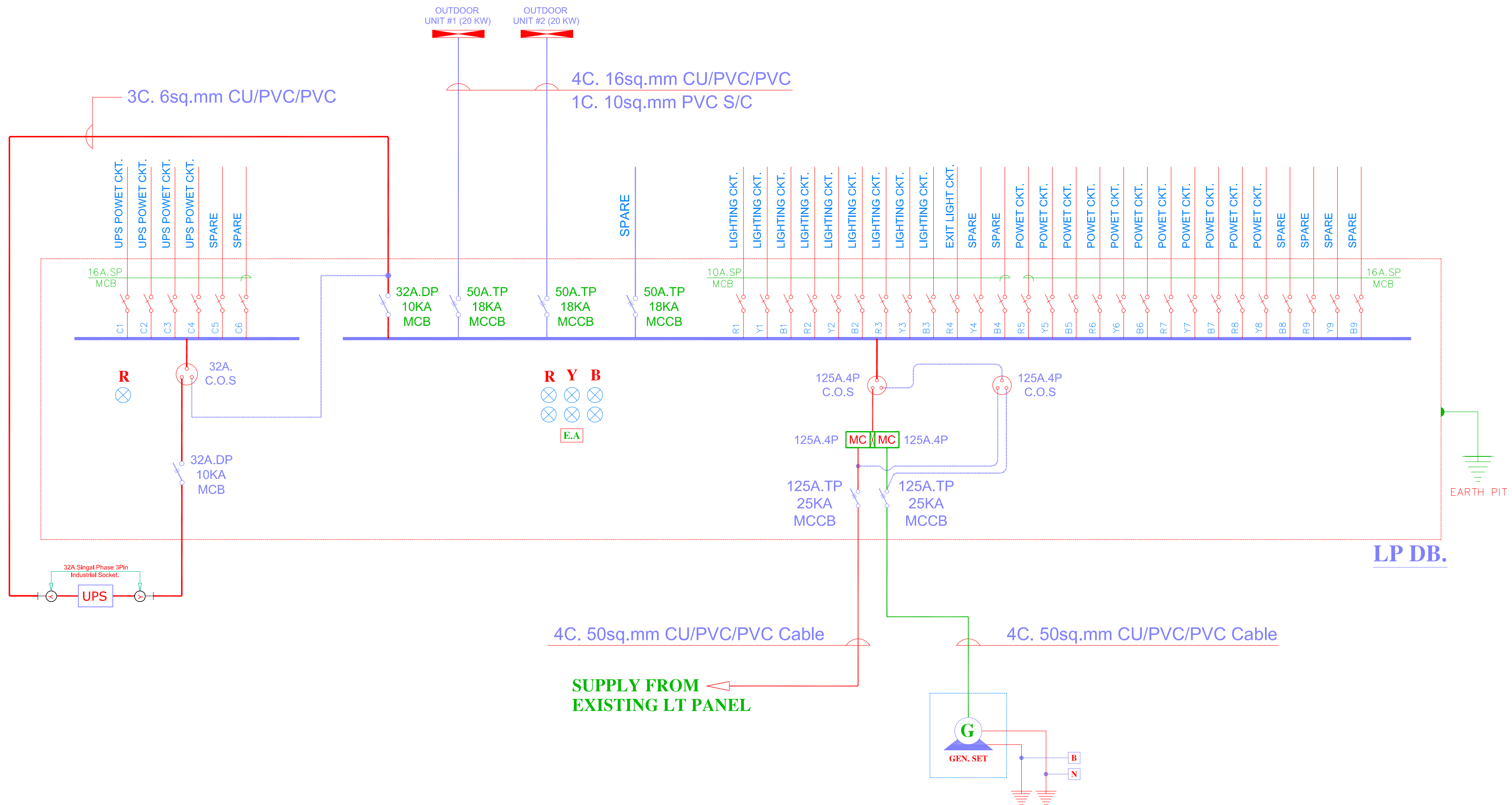
PROJECT No.:	SCALE:	DATE:
	1/4" = 1'-0"	12-07-2025

DRAWING TITLE:

**DATA LAYOUT**

DRAWING No.	REVISION
<b>EL-17</b>	





CLIENT/ PROJECT:  
**UIT UNIVERSITY,  
KARACHI.**

Design Consultant:  
**NAJMI  
BILGRAMI  
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F: +92-21-35057003  
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MEP CONSULTANTS  
**EXCELLENT ASSOCIATES**  
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F: +92-21-35057003  
W: www.excellentassociates.com

03				
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REV	DESCRIPTION	DATE	DRAWN	CHECKED

PROJECT STATUS

**TENDER DRAWING**

DRAWN	CHECKED	APPROVED:
Falzon	Saif Ali	W.K
PROJECT No.:	SCALE:	DATE:
	N.T.S	12-07-2025

DRAWING TITLE:

**SINGLE LINE DIAGRAM**

DRAWING No.	REVISION
<b>EL-18</b>	





## **AUDITORIUM AREA**

\* \* \* \*

## **DESIGN DRAWINGS AND BILL OF QUANTITIES**

\* \* \* \*

## **HVAC WORKS**



**LIST OF APPROVED MANUFACTURERS  
(HVAC)**

Equipment & Material shall be supplied only from the approved sources noted below. However in all cases the Contractor shall submit complete technical details of the equipment, material and obtain Consultants approval prior to delivery on site. Where option of “Approved Equivalent” is indicated, it shall be at the discretion of the Consultant to accept the alternate proposal submitted by the Contractor.

S.No.	Equipment/Material	Approved Manufacturers	Country of Origin
1	Paint	Berger	Pakistan
		ICI	Pakistan
2	Shut Off Valves	Danfoss	China
3	Supports & Anchors	Fabricate as per approved sample	Pakistan
	Concrete Fasteners /Clamps/Threaded Rods/Drop In Anchor	Mungo-Norm	Pakistan-China
		Rawl plug Co.	UK.
		Fischer	Germany
		Hilti	UK/Germany
Inka	Turkey		
4	Piping		
	G.I. Pipe	IIL	Pakistan
	Drain Pipe	Jeddah	Pakistan
		AGM	UAE
	Copper Piping	Trox	Korea
Muller-K Type	USA		
5	Vapour barrier coating	Foster	USA
		Zahabiya	Pakistan
		Ductmate Inc.	USA
		Approved equivalent	Imported
	Insulation Adhesive	Ductmate Inc.	USA
		Zahabiya	Pakistan
	Closed Cell Foam Insulation	Armaflex	USA
		Aerofoam	UAE
Aeroflex		Thailand	
Superloan		Malaysia	
6	Duct Insulation	Afico	Saudi Arabia
		Kimco	Kuwait
		Izocam	Turkey
	Canvas Jacket	Approved	Pakistan
	Insulation Adhesive	Ductmate Inc.	USA
Zahabiya		Pakistan	



**LIST OF APPROVED MANUFACTURERS  
(HVAC)**

Equipment & Material shall be supplied only from the approved sources noted below. However in all cases the Contractor shall submit complete technical details of the equipment, material and obtain Consultants approval prior to delivery on site. Where option of “Approved Equivalent” is indicated, it shall be at the discretion of the Consultant to accept the alternate proposal submitted by the Contractor.

S.No.	Equipment/Material	Approved Manufacturers	Country of Origin
7	Sheet Metal	Pakistan Steel	Pakistan
		ISL	PAKISTAN
		Imported	As approved
	P3 Duct	PAL	UAE
	Flexible Duct	Atco	USA
		DEC International	Netherland
		Approved Equivalent	Imported
8	Air Devices	Thermec	Pakistan
		EAP	Pakistan
		Air Guide	Pakistan
		Mehran	Pakistan
		Shan Associates	Pakistan
9	Cables	Pakistan Cable	Pakistan
		Fast Cables	Pakistan
		Universal Cables	Pakistan
		Pioneer Cables	Pakistan
	Steel Conduits	Hilal Industries	Pakistan
		IIL	Pakistan
	Control Panel (MCC) Manufacturers	Owner furnished	
	Cable Tray	Ezzy	Pakistan
		Approved Equivalent	Pakistan
10	Air Curtain	SASA/Levenze/AirGuide	Pakistan
11	Roof Top Packaged Units	Coolmax	Pakistan
		EFSA Trading	Lahore-Pakistan
		AirQon Synergies	Lahore-Pakistan
		Tica	China
		Euroklimat	China
		York	China/Turkey
		SKM	UAE



# BILL OF QUANTITIES



**UIT UNIVERSITY (AUDITORIUM AREA)**

**HVAC WORKS**

**BILL OF QUANTITIES**

S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1.0	<b>SUPPLY AND INSTALLATION OF HVAC UNITS</b>				
	Installation on site foundation, with vibration isolators,electrical and control connections, Flexible Connector, electrical,earthing and piping connections,control/communication wire connection, thermostat, Complete with safety controls and accessories, operation and maintenance manual, thermostat and installation complete in all respect, Roof Top Package Units, 12 TR Double Skinned Package Unit Ambient at 110F/84 WB				
1.1.1	Ozone Friendly Refrigerant Thermostat with 3 Speeds With Proper Base, Dual Compressor Outdoor Fins of Condensor should have Acracalad/Herasite or Superior Coating Breakers will be Terasaki/ABB/Schneider Europe Only Communication wiring should be supplied and will run in conduit Submittal of Units to be provided to Consultant, Without Consultant Approval, Unit will not be approved	2	Nos.		
1.2	6" HEIGHT CC Foundation pads for AC units. Installer will give complete markings as per actual equipment dimensions at site		By Civil		
1.3	Supply and installation of Drain pipe for Units, complete in all respect including supports, insulation and specilities, trap as per requirement of units etc	1	Job		
1.4	Transportation of Equipment to site	1	Job		
1.5	Out door PlatForm of units		Not Required		
1.6	Red Oxide and Paint on Platform		Not Required		
1.7	Commissioning & Testing, and Handing Over	1	Job		
<b>Sub-total Carried to Summary</b>					



S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
2.0	<b>AIR CONDITIONING DUCT WORK AND ACCESSORIES</b>				
2.1	Supply & Installation of pre insulated duct work of polyurethane form panel with 52kg/m3 density, 20mm thickness, coated on both sides with 60 micron thick aluminum foil, complete with 2 g/m2 layer, including manufacture aluminum/ PVC Hardware, glue, hot dipped galvanized hanger and supports, flexible duct connection, complete in all respect, ready to operate, wooden frame if require, sealing of openings, complete in all respect, with Duct Leakage Test	2700	Sq ft		
2.2	Supply & Installation of 26 guage G.I Sheet Metal Duct Work for Cladding of exposed ducts, with galvanized supports & hangers complete in all respects as per schedule, instructions & approval of client.	500	Sq ft		
2.3	Supply and installation of Sound Liner 1" thick 24kg/m3 at Supply and return Air Duct of AHUs, Complete in all Respect	400	Sq ft		
<b>Sub-total Carried to Summary</b>					
3.0	<b>AIR DEVICES</b> Note: Color of All Air Devices as per Approval of Consultant/ Client / Architect. Contractor must show sample before supply				
3.1	Supply and Installation of Supply Air Diffuser as per Air terminal Schedule				
3.1.1	Round Diffuser, Step Down Cone, 14" diameter with M7 Damper	34	Nos.		
3.1.2	Supply air Disk Valve, 6" Diameter	1	No.		
3.1.3	18 Gauge Volume Control Damper	1320	Sqin		
3.2	Wire Mesh at Return Duct as shown in drawing	1	Job		
3.3	Supply and Installation of Fresh Air Section with Damper and G3 filter and Exhaust Air Section with Damper at Main Return Ducts of Units as per Drawing and requirement	1	Job		
<b>Sub-total Carried to Summary</b>					



S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
<b>4.0</b>	<b>ELECTRICAL WORKS</b>				
	Electrical,Power and Earthing Cable				
4.1	(Equipment Supplier to inform exact sizes , Kws of equipment Estimated Power for 15 TR Unit = 20 kw x per unit, TOTAL Power = 50 kw		By electrical		
4.2	MCC (By Electrical) Contractor will inform complete requirement and load to Electrical		By electrical		
<b>5.0</b>	<b>MISCELLANEOUS</b>				
5.1	Shop Drawings & Asbuilt Drawings	1	Lot		
5.2	Rigging/Lifting/Shifting of AHUS	1	Job		
5.3	Tagging and Finishing	1	Job		
5.4	Air Balancing of Systems	1	Job		
5.5	15 Days operation and maintenance of log book	1	Job		
<b>Sub-total Carried to Summary</b>					



**UIT UNIVERSITY (AUDITORIUM AREA)**

**SUMMARY OF COST**

**HVAC WORKS**

S NO.	DESCRIPTION	AMOUNT IN FIGURES (Rs.)
1.0	SUPPLY AND INSTALLATION OF HVAC UNITS	
2.0	AIR CONDITIONING DUCT WORK AND ACCESSORIES	
3.0	AIR DEVICES	
4.0	ELECTRICAL WORKS	
5.0	MISCELLANEOUS	
	<b>TOTAL =</b>	

AMOUNT IN RUPEES= \_\_\_\_\_

**DECLARATION:**

I HAVE CLEARLY SEEN ALL TENDER DOCUMENTS, DRAWINGS, BOQ AND SPECS, AND UNDERSTAND ALL SCENARIO, FOR GIVING FINISHED PROJECT WITH GOOD ENGINEERING PARACTICES

\_\_\_\_\_  
NAME OF PERSON (CONTRACTOR)

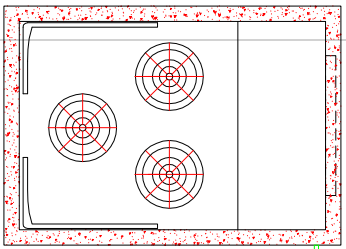
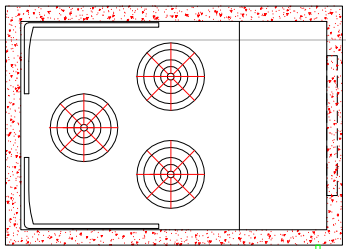
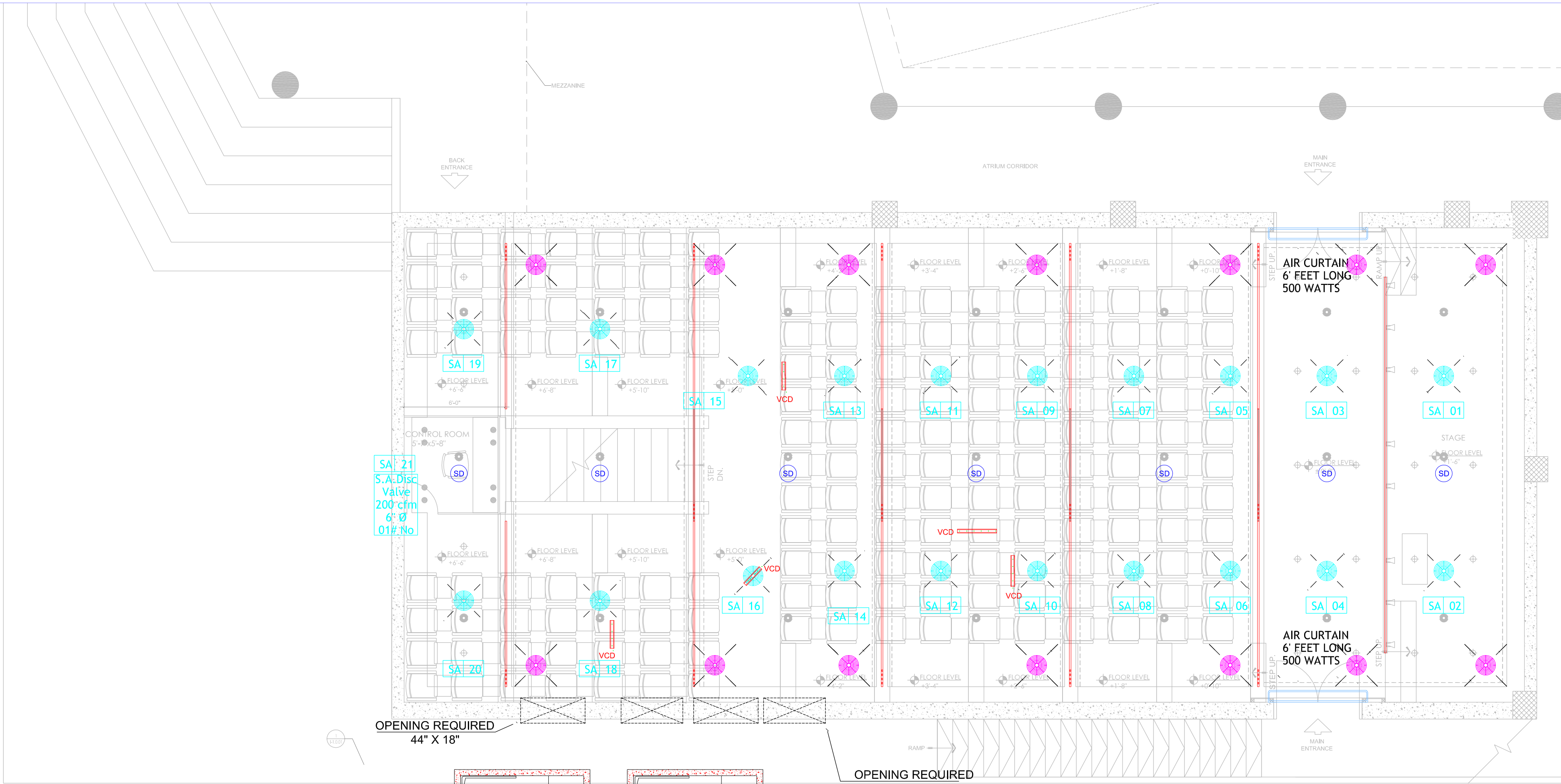
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SIGNATURE OF CONTRATOR ALONG WITH DATE AND COMPANY STAMP

**NOTE:**

QUANTITY BASED BOQ, WILL BE VERIFIED DURING BILLING

ALL SAMPLES AND SUBMITTALS MUST BE SHOWN PRIOR TO INSTALLATION





EST. SIZE : L-7'4" x W-5'2" x H-4'0"

EST. OPERATING WEIGHT 680 KG  
ELECTRIC LOAD:24.5 KW, 3

S.A	3900 CFM
R.A	5300 CFM
F.A	600 CFM
E.A	300 CFM

R-PACU-02  
TR-15

R-PACU-01  
TR-15

Ø50mm DRAIN TO NEAREST  
DRAIN POINT



LEGENDS

ROOF TOP PACKAGED UNIT	
SUPPLY AIR DUCT	
RETURN AIR DUCT	
SUPPLY AIR DIFFUSER	
RETURN AIR DIFFUSER	
SUPPLY AIR DISC VALVE	
VOLUME CONTROL DAMPER (VCD)	
DRAIN PIPE	
AIR CURTAIN	

CLIENT/ PROJECT:

UIT UNIVERSITY,  
KARACHI.

Design Consultant :

**NAJMI  
BILGRAMI**  
COLLABORATIVE (PVT) LTD  
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**EXCELLENT ASSOCIATES**  
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REV	DESCRIPTION	DATE	DRAWN	CHECKED

PROJECT STATUS

TENDER DRAWING

DRAWN	CHECKED	APPROVED:
AZ	S.K	W.K
PROJECT No.:	SCALE:	DATE:
	N.T.S	12-07-2025

DRAWING TITLE:

RCP LAYOUT WITH AC FIXTURES

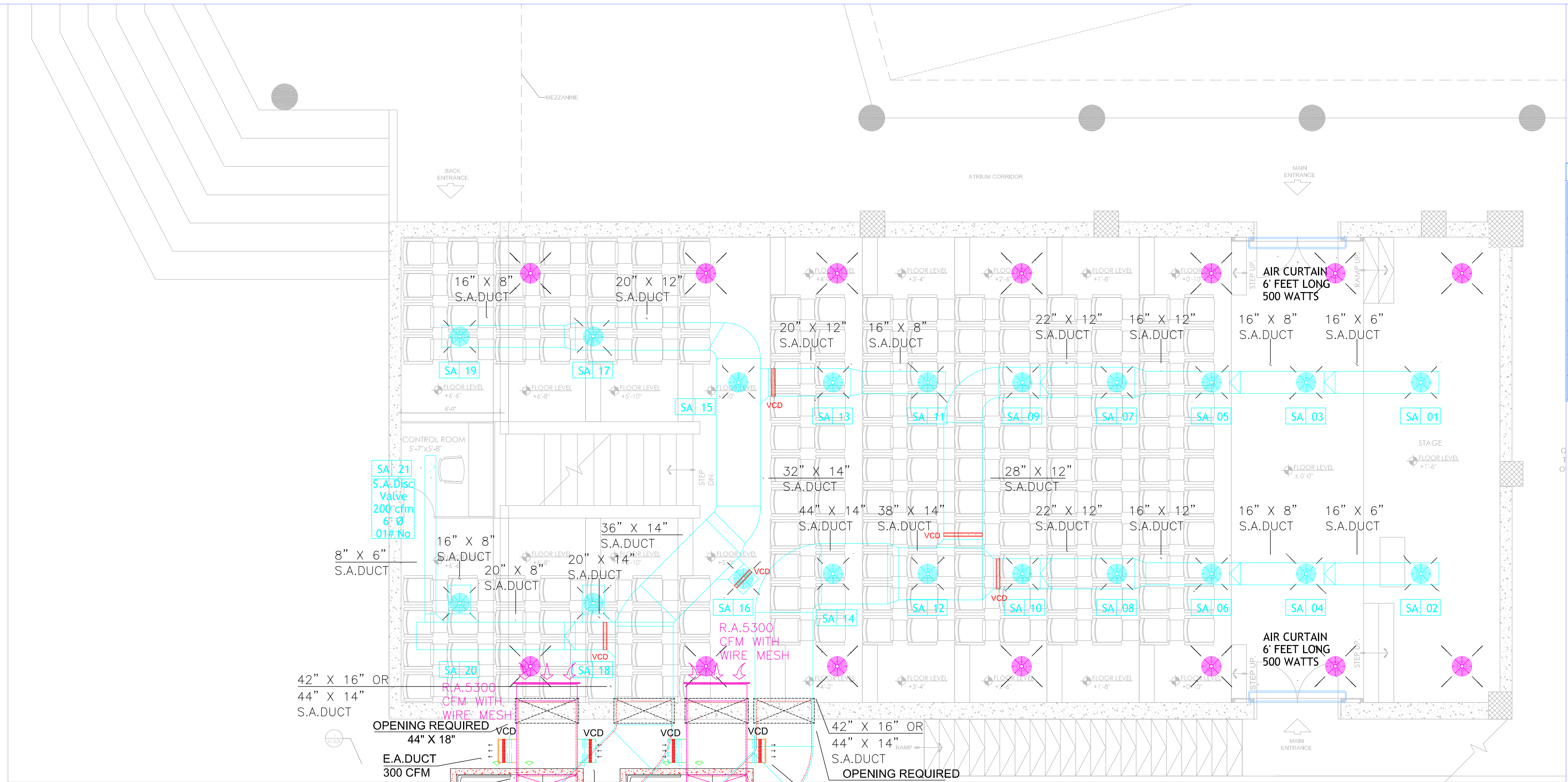
DRAWING No.	REVISION
MV-01	





LEGENDS

ROOF TOP PACKAGED UNIT	
SUPPLY AIR DUCT	
RETURN AIR DUCT	
SUPPLY AIR DIFFUSER	
RETURN AIR DIFFUSER	
SUPPLY AIR DISC VALVE	
VOLUME CONTROL DAMPER (VCD)	
DRAIN PIPE	
AIR CURTAIN	



EST. SIZE : L-7'4" x W-5'2" x H-4'0"

EST. OPERATING WEIGHT 680 KG  
ELECTRIC LOAD:24.5 KW, 3

S.A. 1500 CFM
R.A. 5300 CFM
F.A. 600 CFM
E.A. 300 CFM

R-PACU-02  
TR-15

F.A.DUCT (TYP)  
600 CFM WITH F.A.  
LOUVER 14"X10" WITH  
SAND TRAP (TYP.)

R-PACU-01  
TR-15

Ø50mm DRAIN TO NEAREST  
DRAIN POINT

CLIENT/ PROJECT:  
**UIT UNIVERSITY,  
KARACHI.**

Design Consultant :  
**NAJMI  
BILGRAMI  
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MEP CONSULTANTS  
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F: +92-21-35555555  
E: info@excellentassociates.com

03				
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REV	DESCRIPTION	DATE	DRAWN	CHECKED

PROJECT STATUS		
TENDER DRAWING		
DRAWN	CHECKED	APPROVED:
A.Z	S.K	W.K
PROJECT No.:	SCALE:	DATE:
	N.T.S	12-07-2025
DRAWING TITLE:		
HVAC LAYOUT		
DRAWING No.	REVISION	
MV-02		



NOTE:  
SIZES LOAD AND ELECTRICAL CONSUMPTION MENTIONED  
ARE ESTIMATED.  
DURING INSTALLATION, ACTUAL VALUES TO BE TAKEN  
FROM CONTRACTOR ON THE BASIS OF "APPROVED  
EQUIPMENT SUBMITTED".

VIBRATION ISOLATION PADS TO BE PROVIDED FOR  
EQUIPMENT PLACEMENT BOTH UNITS RUNNING  
SIMULTANEOUSLY.

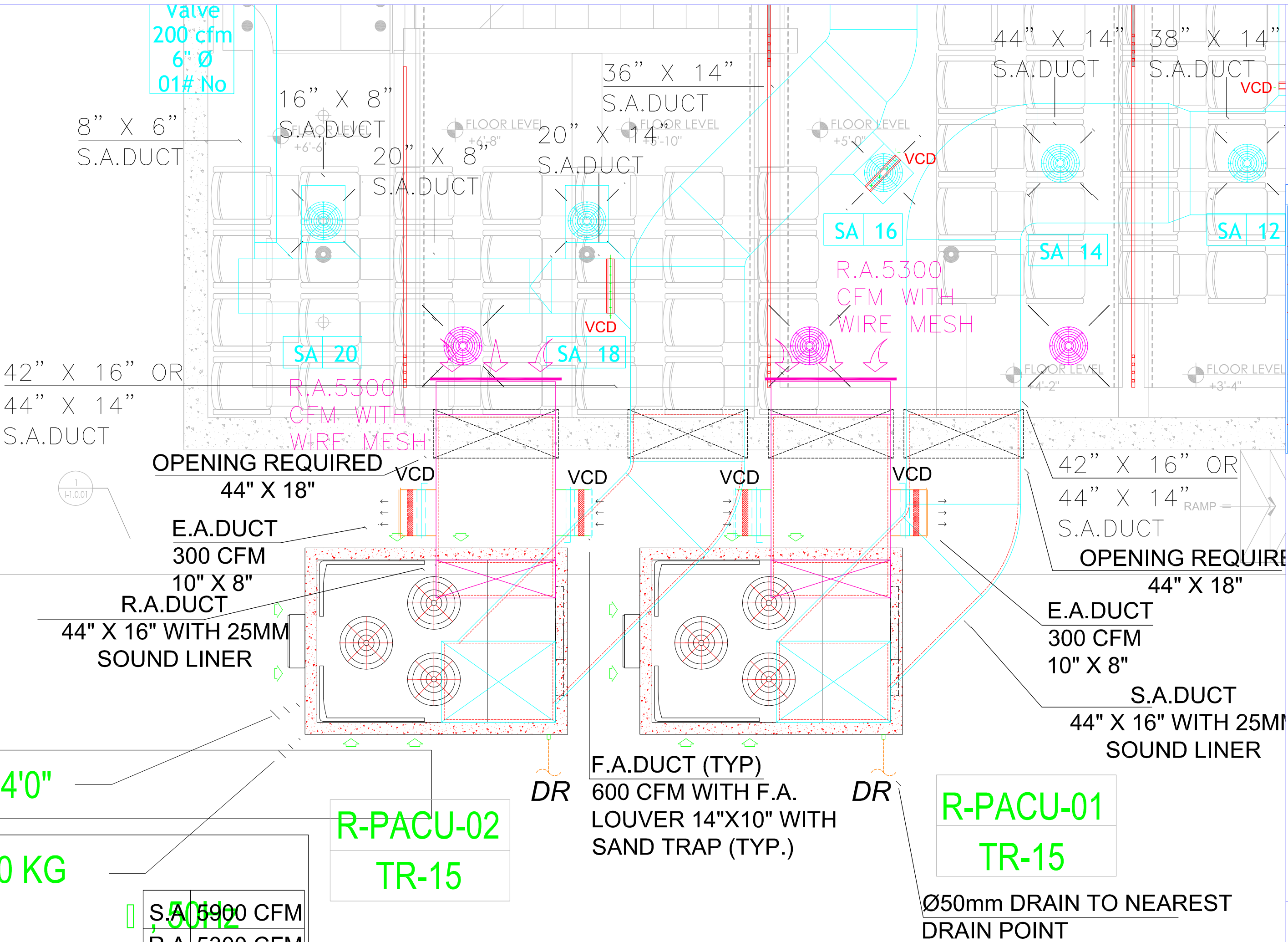
FOR DUCTING:  
DUCTS EXPOSED WILL BE G.I SHEET METAL, GAUGE AS  
PER STANDARD AS APPROVED BY CONSULTANT, DULY  
INSULATED WITH 2" THICK THERMOPORE INSULATION,  
WRAPPED PROPERLY AS PER REQUIREMENT, AND  
COVERED WITH 26 GAUGE SHEET METAL CLADDING.  
SOUND LINEAR MINIMUM 1@THICK, 24 KG/M3 DENSITY  
SHOULD BE APPLIED UPTO 10 FT AT SUPPLY AND RETURN  
MAIN DUCTS FROM UNIT DUCTS AS SHOWN

FOR MAINTENANCE:  
PROVISION OF ELECTRICAL SOCKET,WEATHER PROOF &  
WATER PROOF, PROVISION OF COLD WATER SUPPLY FOR  
WASHING PURPOSE, AND DRAIN POINT TO BE PROVIDED.

EST. SIZE : L-7'4" x W-5'2" x H-4'0"

EST. OPERATING WEIGHT 680 KG  
ELECTRIC LOAD:24.5 KW, 3

S.A	5900 CFM
R.A	5300 CFM
F.A	600 CFM
E.A	300 CFM



LEGENDS

ROOF TOP PACKAGED UNIT	
SUPPLY AIR DUCT	
RETURN AIR DUCT	
SUPPLY AIR DIFFUSER	
RETURN AIR DIFFUSER	
SUPPLY AIR DISC VALVE	
VOLUME CONTROL DAMPER (VCD)	
DRAIN PIPE	
AIR CURTAIN	

CLIENT/ PROJECT:

UIT UNIVERSITY,  
KARACHI.

Design Consultant :

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03				
02				
01				
00				
REV	DESCRIPTION	DATE	DRAWN	CHECKED

PROJECT STATUS

TENDER DRAWING

DRAWN	CHECKED	APPROVED:
AZ	S.K	W.K
PROJECT No.:	SCALE:	DATE:
	N.T.S	12-07-2025

DRAWING TITLE:

ENLARGED DETAIL OF OUTDOOR  
PLACEMENT

DRAWING No.	REVISION
MV-03	