







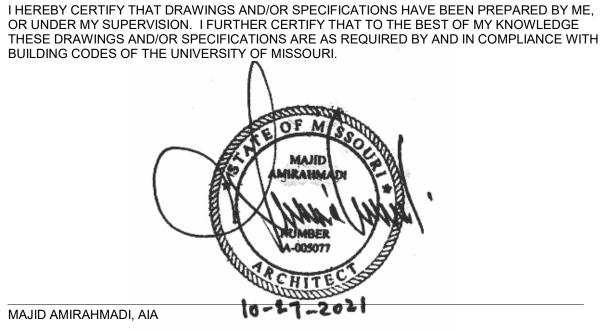
LEE HILLS HALL - RENOVATE SPACES FOR NOVAK LEADERSHIP INSTITUTE

FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI

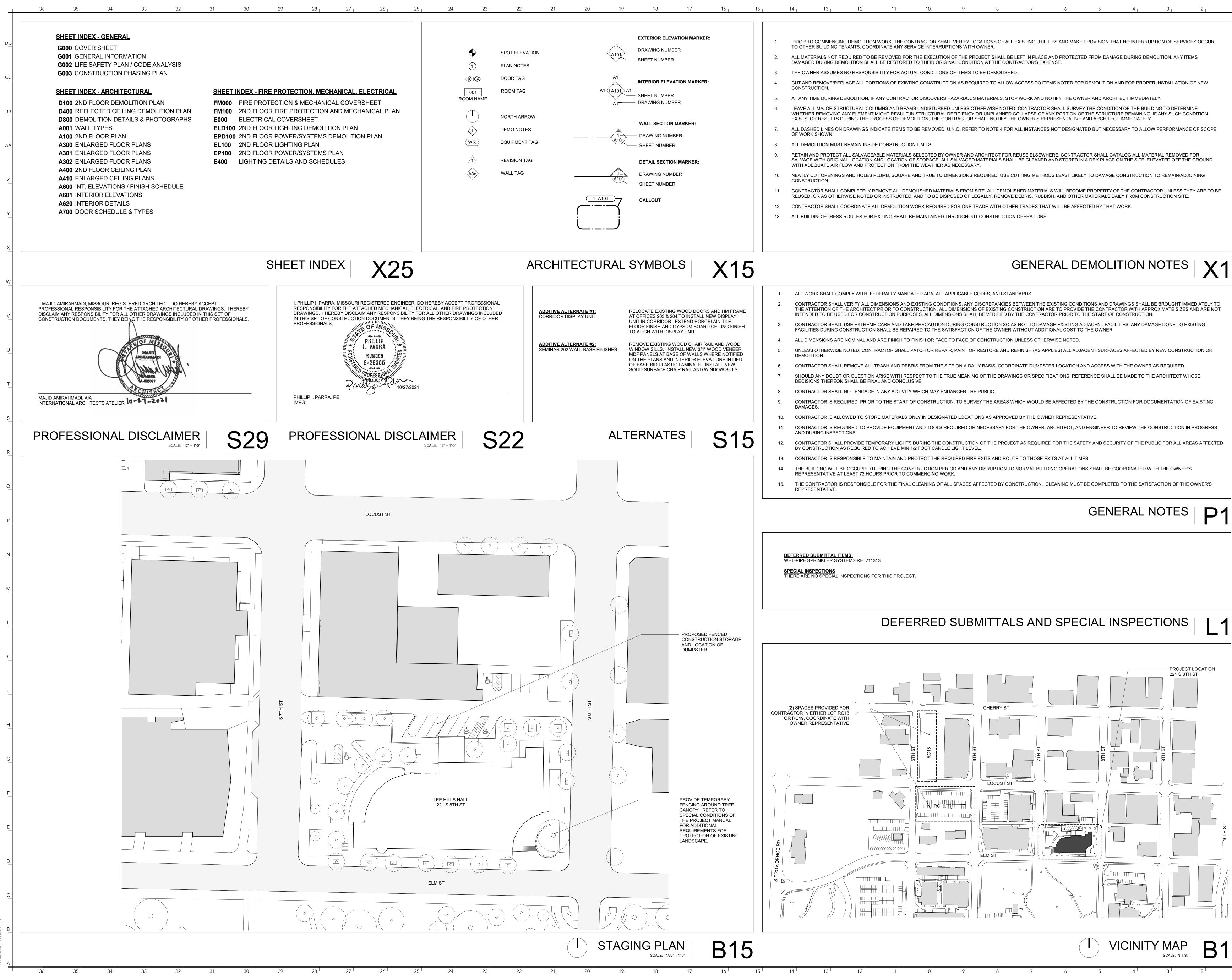
ISSUED FOR BID 10/27/2021 CP220031

INTERNATIONAL ARCHITECTS ATELIER











MEP CONSULTANT IMEG CORP. 1600 BALTIMORE KANSAS CITY, MO 64108 PH: 816.842.837



FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI

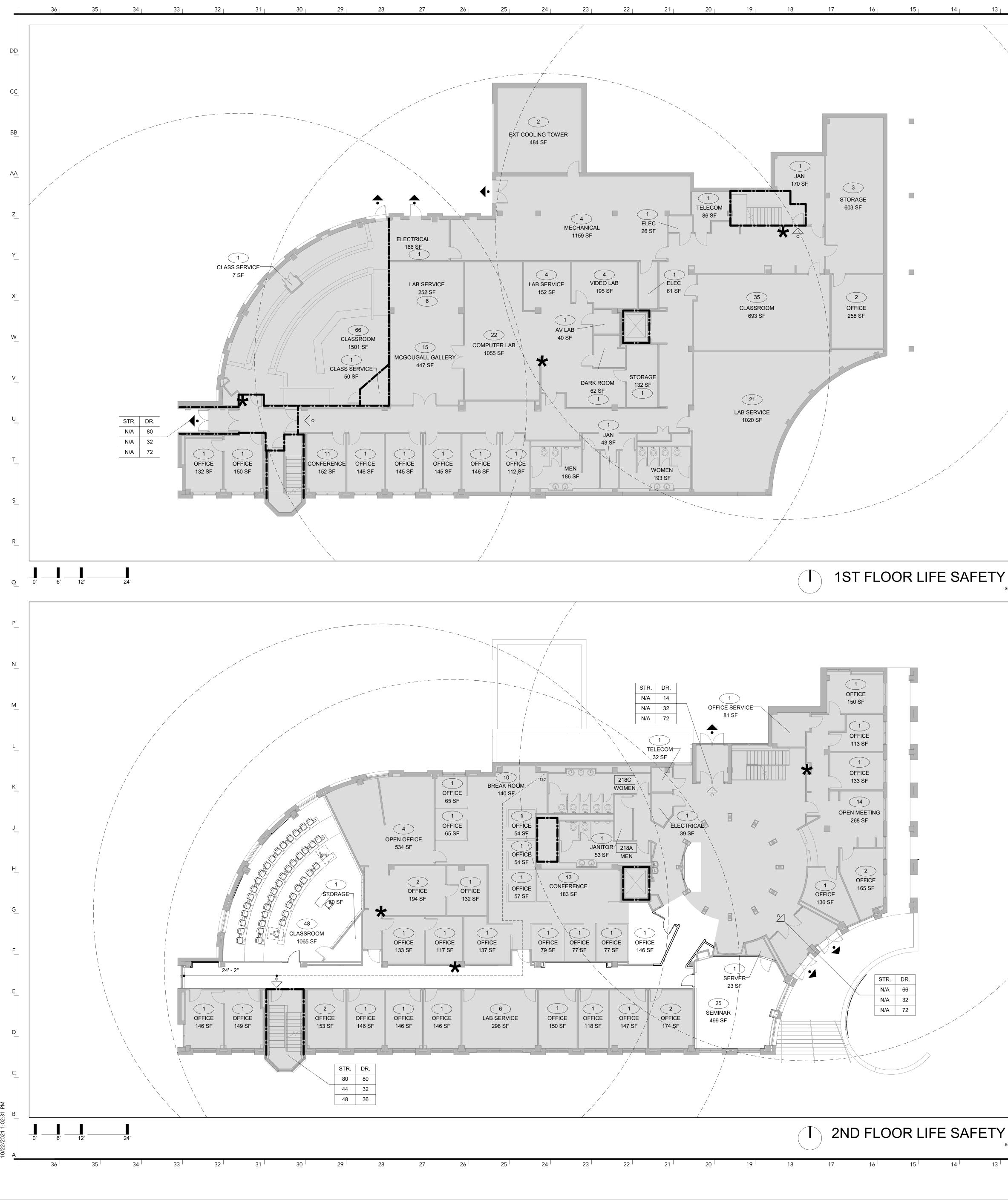


ISSUED FOR BID

221 S 8th St Columbia, MO 65201

			10/27/2021
	date Proj	<u>-:</u> J. NO.:	CP220031
	DESI	GNED BY:	AO, JL
	DRA	WN BY:	AO, JL
	CHE	CKED BY:	JL, MA
	APPR	OVED BY:	MA
(SEAL	AMIRAHMA	SOLUTION OF THE STREET
		HITE A-005077 IO-LITE IO-LITE MAJID AMIRAHMAD MO#: A-5	I - ARCHITECT
	to t instrui be	rofessional Architect's seal affix he material and items shown or ments, or other documents not considered prepared by this ar oressly disclaims any and all res drawings, or documents not	n this sheet. All drawings, exhibiting this seal shall not rchitect, and this architect ponsibility for such plans,
	NO.	REVISION SUBMI	SSION DATE 10/27/2021
		GENER INFORMA	

1 _____



\]	[
	X OCCUPANTS PER ROOM	NOT IN CONTRACT
	STR. DR. STR. = STAIR WIDTH / DR. = 'X' 'X' OCCUPANCY	EGRESS TRAVEL PATH
	'X' 'X' REQUIRED EXIT WIDTH (ING	
	'X' 'X' PROVIDED EXIT WIDTH (INC	CHES)
	O INDICATES POINT OF EGRI	ESS
	INDICATES POINT OF EGRI	ESS
	DISCHARGE	
	INDICATES LOCATION OF F EXTINGUISHER CABINET	FIRE
	LIF	E SAFETY LEGEND AA1
	Applicable Codes:	2018 International Building Code (IBC)
		2018 International Plumbing Code (IPC) 2018 International Mechanical Code (IMC) 2018 International Existing Building Code
		2018 International Fire Code 2017 National Electric Code (NFPA 70 NEC)
		2016 Standard for Emergency and Standby Power Systems (NFPA 110) 2018 Installation of Air Conditioning and Ventilating Systems (NFPA 90A) 2016 National Fire Alarm Code (NFPA 72)
		2016 Installation of Fire Sprinkler Systems (NFPA 13) 2016 Energy Standard for Buildings (ASHRAE 90.1)
		2012 Life Safety Code (NFPA 101) 2010 Americans with Disabilities Act - Standards for Accessible Design (ADA)
	Occupancy:	A-3: Lecture Halls
	Type of Construction:	B: Offices, Classroom and Conference Rooms Type II-B
	Building Stories:	3 stories above grade plane
	Allowable Stories:	3 stores above grade plane (IBC Table 504.4)
	Building Height:	61'-0" to top of occupied structure above grade plane 71'-4" to top of spire above grade plane
	Allowable Building Height:	75'-0" above grade plane (IBC Table 504.3)
	Building Area:	Level 1 - Approx. 13,710 gross square feet Level 2 - Approx. 12,777 gross square feet Level 3 - Approx. 12,640 gross square feet
		Total Building Area - 39,127 gross square feet
	Allowable Area (per story): Mixed Use Group Approach:	28,500 gross square feet (IBC Table 506.2) Separated (IBC 508.4)
	Passive Fire Resistive Requirements:	
	-Exterior Bearing Walls -Interior Bearing Walls -Exterior Non-Bearing Walls	0-hour (IBC Table 601) 0-hour (IBC Table 601) 0-hour, between 10 and 30 feet fire separation distance (IBC Table 602)
	-Structural Frame	0-hour, greater than 30 feet fire separation distance (IBC Table 602) 0-hour (IBC Table 601)
	-Floors -Roof -Shafts (3 stories or less)	0-hour (IBC Table 601) 0-hour (IBC Table 601) 1-hour (60-minute opening protection) (IBC 713.4)
	-Exit Stair Enclosures -Corridors	1-hour (60-minute opening protection) (IBC 713.4) 0-hour (IBC Table 1020.1)
	Interior Finishes (IBC Table 803.13): Occupancy Group B	Exit Stairs: Class B
		Corridors: Class C Rooms and Enclosed Spaces: Class C
SCALE: 3/32" = 1'-0"	Active Fire Protection: Automatic Sprinkler System	Existing in Building
	Standpipes Fire Extinguishers Fire Alarm System	Existing Dry Standpipe System Provided Provided Existing in Building
	Emergency Power:	
	Exit Signs Emergency Lighting	Required (IBC 1013) Required at means of egress (IBC 1008.2 and 1008.3)
	Egress: Exit Widths	
	- Doors -Stairs	0.2 inches per person (IBC 1005.3.2) 32 inch minimum clear width (IBC 1010.1.1) 0.3 inches per person (IBC 1005.3.1)
	-Corridors	44 inches minimum (IBC 1011.2) 44 inches minimum (IBC 1020.2)
	Common Path of Egress Travel	A-3: 75 feet (IBC Table 1006.2.1) B: 100 feet (IBC Table 1006.2.1)
	Exit Access Travel Distance	A-3: 250 feet (IBC Table 1017.2) B: 300 feet (IBC Table 1017.2)
	Dead End Corridors	B: 50 feet (IBC 1020.4, Exception #2)
	Number of Exits Required from Spaces	2 exits from each space when > 49 occupants or common path of travel exceeds 100 feet (IBC Table 1006.2.1)
	Number of Exits Required from Stories	2 exits required (IBC 1006.3) 1-500 Occupant Load Per Story
	Exit Separation	Separated by one-third the maximum overall diagonal dimension of the building (IBC 1007.1.1)
	LIFE SA	FETY / CODE ANALYSIS F1
	2ND FLOOR - OCCUPANCY B	
		LOSETS / URINALS LAVATORIES DRINKING FOUNTAINS
	REQUIRED 2.56 MEN (1 ADA) OCCUPANCY S - 5 OCCUPANTS	A) / 2.54 WOMEN (1 ADA) 1.95 MEN / 1.925 WOMEN 1.55
	3 MEN / 2 WOMEN	N / 0.02 WOMEN 0.03 MEN / 0.02 WOMEN 0.005
	TOTAL REQUIRED 3 MEN (1 ADA) / 3 WOMEN (1 ADA) 2 MEN / 2 WOMEN 2
) / 5 WOMEN (1 ADA) 2 MEN / 3 WOMEN 2
ETY PLAN SCALE: 3/32" = 1'-0" B10	PLUM	BING FIXTURE COUNTS B1

12 11 10

9 |

8 |

7 |

6

13 |

12

11

10

6 ' 5 ' 3 '

2

4



5 4 3 2 1

INTERNATIONAL ARCHITECTS ATELIER 912 BROADWAY BLVD, SUITE 300 | KANSAS CITY, MO 64105 P: 816 471 6522 | F: 816.471.3755 | W: I-A-A.COM MISSOURI STATE CERTIFICATE OF AUTHORITY #000582

MEP CONSULTANT IMEG CORP. 1600 BALTIMORE KANSAS CITY, MO 64108 PH: 816.842.837



FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI

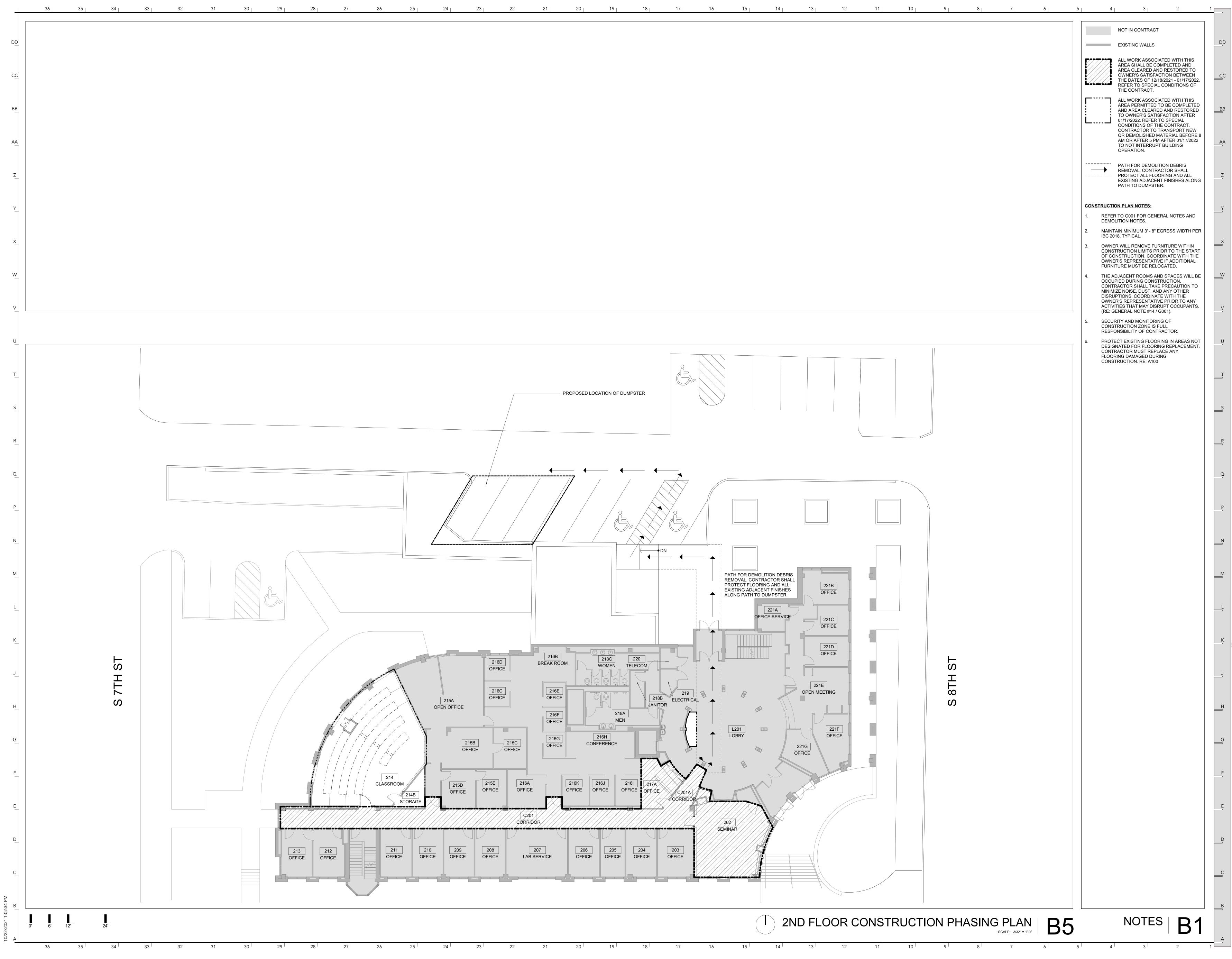


ISSUED FOR BID

221 S 8th St Columbia, MO 65201

	date Proj	: . NO.:	10/27/2021 CP220031
-	DESI	GNED BY:	AO, JL
	DRAV	WN BY:	AO, JL
	CHEC	CKED BY:	JL, MA
	APPR	OVED BY:	MA
(SEAL	ALID MAJID MARAHMADI PROMBER 10-1-12-2021 MAJID AMIRAHMADI - ARCH MO#: A-5077	
-	to tl instrur be	ofessional Architect's seal affixed to this s ne material and items shown on this sheet nents, or other documents not exhibiting considered prepared by this architect, and ressly disclaims any and all responsibility drawings, or documents not exhibiting	. All drawings, this seal shall not d this architect for such plans,
-	NO. 0	REVISION SUBMISSION ISSUED FOR BID	DATE 10/27/2021
-			
-			
-			
		IFE SAFETY PL	
	L	CODE ANALY	
		-	SIS

1



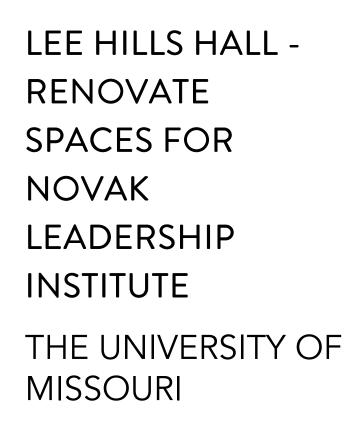
	EXISTING WALLS		
	ALL WORK ASSOCIATED WITH THIS AREA SHALL BE COMPLETED AND AREA CLEARED AND RESTORED TO OWNER'S SATISFACTION BETWEEN THE DATES OF 12/18/2021 - 01/17/2022. REFER TO SPECIAL CONDITIONS OF	CC	
	THE CONTRACT. ALL WORK ASSOCIATED WITH THIS AREA PERMITTED TO BE COMPLETED AND AREA CLEARED AND RESTORED TO OWNER'S SATISFACTION AFTER	BB	
	01/17/2022. REFER TO SPECIAL CONDITIONS OF THE CONTRACT. CONTRACTOR TO TRANSPORT NEW OR DEMOLISHED MATERIAL BEFORE 8 AM OR AFTER 5 PM AFTER 01/17/2022 TO NOT INTERRUPT BUILDING	AA	
	OPERATION. PATH FOR DEMOLITION DEBRIS REMOVAL. CONTRACTOR SHALL PROTECT ALL FLOORING AND ALL EXISTING ADJACENT FINISHES ALONG PATH TO DUMPSTER.	Z	
	CONSTRUCTION PLAN NOTES: 1. REFER TO G001 FOR GENERAL NOTES AND	Y	
	 DEMOLITION NOTES. 2. MAINTAIN MINIMUM 3' - 8" EGRESS WIDTH PER IBC 2018, TYPICAL. 3. OWNER WILL REMOVE FURNITURE WITHIN 	X	
	 CONSTRUCTION LIMITS PRIOR TO THE START OF CONSTRUCTION. COORDINATE WITH THE OWNER'S REPRESENTATIVE IF ADDITIONAL FURNITURE MUST BE RELOCATED. THE ADJACENT ROOMS AND SPACES WILL BE 	W	
	OCCUPIED DURING CONSTRUCTION. CONTRACTOR SHALL TAKE PRECAUTION TO MINIMIZE NOISE, DUST, AND ANY OTHER DISRUPTIONS. COORDINATE WITH THE OWNER'S REPRESENTATIVE PRIOR TO ANY ACTIVITIES THAT MAY DISRUPT OCCUPANTS.	V	
	 (RE: GENERAL NOTE #14 / G001). 5. SECURITY AND MONITORING OF CONSTRUCTION ZONE IS FULL RESPONSIBILITY OF CONTRACTOR. 6. PROTECT EXISTING FLOORING IN AREAS NOT 	U	
	DESIGNATED FOR FLOORING REPLACEMENT. CONTRACTOR MUST REPLACE ANY FLOORING DAMAGED DURING CONSTRUCTION. RE: A100		
		T	
		S	
		R	
		Q	
		P	
		N	
		M	
OFFICE 221C		L	
OFFICE		K	(
221E OPEN MEETING		J	
OPEN MEETING OPEN MEETING OPEN MEETING OPEN MEETING		н	
221F OFFICE		G	
		F	
		E	
		D	
		C	
FLOOR CONSTRUCTION PHASING PLAN B5	NOTES B1	B	
13 ¹ 12 ¹ 11 ¹ 10 ¹ 9 ¹ 8 ¹ 7 ¹ 6 ¹	5 4 3 2	A	I



MEP CONSULTANT IMEG CORP. 1600 BALTIMORE KANSAS CITY, MO 64108 PH: 816.842.837



FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI



ISSUED FOR BID

DAT			1	0/27/2021
PRC	J. NO.:			CP220031
DES	IGNED BY:			AO, JL
DRA	WN BY:			AO, JL
CHE	CKED BY:			JL, MA
APP	ROVED BY:	:		MA
to instr b	Professional Arc the material an uments, or othe e considered pi	MAJID MAJID	- ARCHIT 77 d to this sheet this sheet. A exhibiting this hitect, and th	et applies only Il drawings, s seal shall not iis architect
NO . 0		il on submis		DATE 10/27/2021
		NSTRU ASING		
	(50()3)





MEP CONSULTANT IMEG CORP. 1600 BALTIMORE KANSAS CITY, MO 64108 PH: 816.842.837

AA

W



FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI



ISSUED FOR BID

221 S 8th St Columbia, MO 65201

	DATE PROJ	Ξ: J. NO.:	10/27/2021 CP220031
	DESI	GNED BY:	AO, JL
	DRA	WN BY:	AO, JL
	CHE	CKED BY:	JL, MA
	APPR	OVED BY:	MA
(to t instrui be	AJID AMIRAHMA MO#: A	-5077 ffixed to this sheet applies only not this sheet. All drawings, not exhibiting this seal shall not s architect, and this architect responsibility for such plans,
	NO. 0	REVISION SUBN	MISSION DATE 10/27/2021
			10/27/2021

© 2021 INTERNATIONAL ARCHITECTS ATELIER

1 _____



AA

W



INTERNATIONAL ARCHITECTS ATELIER 912 BROADWAY BLVD, SUITE 300 | KANSAS CITY, MO 64105 P: 816 471 6522 | F: 816.471.3755 | W: I-A-A.COM MISSOURI STATE CERTIFICATE OF AUTHORITY #000582

MEP CONSULTANT IMEG CORP. 1600 BALTIMORE KANSAS CITY, MO 64108 PH: 816.842.837



FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI



ISSUED FOR BID

221 S 8th St Columbia, MO 65201

DATI PRO	E: J. NO.:	10/27/2021 CP220031
DESI	GNED BY:	AO, JL
DRA	WN BY:	AO, JL
CHE	CKED BY:	JL, MA
APPF	ROVED BY:	MA
to t instru be	MAJID AMIRAHMADI - A MO#: A-5077	RCHITECT this sheet applies only sheet. All drawings, iting this seal shall not t, and this architect bility for such plans,
NO. 0	REVISION SUBMISSIC	DN DATE 10/27/2021
	-	
R	EFLECTED C	EILING
	DEMOLITION	

1



	OR TO BE DEMOLISHED
	FA DEVICES, RECEPTACLES, CONDUIT, ETC. TO EXTENTS SHOWN ON PLAN. PATCH ADJACENT EXISTING FLOOR, CEILING, AND WALL SURFACES TO REMAIN. SALVAGE EXISTING FABRIC WRAPPED PANEL AND WOOD BASE/CORNER AS REQUIRED TO
	REINSTALL AT NEW LOCATION.
	3 REMOVE EXISTING DESK CASEWORK AND ALL ASSOCIATED COMPONENTS INCLUDING COUNTERTOP, BASE CABINETS,
	BRACKET SUPPORTS, ETC.
	5REMOVE EXISTING CARPET FLOORING, MASTIC, FLOORING TRANSITIONS, ETC. TO CONCRETE FLOOR. PREPARE EXISTING CONCRETE FLOOR TO RECEIVE NEW FINISHES PER MANUFACTURER'S SPECIFIED RECOMMENDATIONS.
	6 REMOVE EXISTING SLATE TILE FLOORING, GROUT AND SETTING MORTAR TO CONCRETE FLOOR. PREPARE EXISTING CONCRETE FLOOR TO RECEIVE NEW FINISHES PER MANUFACTURER'S SPECIFIED RECOMMENDATIONS.
	REMOVE EXISTING WOOD CHAIR RAIL AND ALL ASSOCIATED FASTENERS. PREPARE WALL SURFACES TO RECEIVE NEW FINISHES. <u>ALTERNATE #2.</u> A
	REMOVE EXISTING METAL FRAME AROUND OPENING AND ALL ASSOCIATED FINISHES, STANDARDS, AND FASTENERS WITHIN. PATCH ADJACENT WALL SURFACES TO REMAIN AND PREPARE OPENING TO RECEIVE NEW FINISHES.
	 REMOVE EXISTING RESILIENT FLOORING, MASTICS, ETC. TO CONCRETE SLAB. PREPARE EXISTING CONCRETE FLOOR TO RECEIVE NEW FINISHES PER MANUFACTURER'S SPECIFIED RECOMMENDATIONS.
	REMOVE AND SALVAGE EXISTING DOOR, FRAME, HARDWARE, AND ASSOCIATED ANCHORAGE TO BE REINSTALLED AT NEW LOCATION. REMOVE EXISTING VERTICAL CONTROL JOINTS AND PATCH GYPSUM BOARD SURFACES TO MATCH ADJACENT. ALTERNATE #1.
	REMOVE PORTION OF EXISTING PARTITION, INCLUDING BASE AND METAL FRAMING FOR INSTALLATION OF SALVAGED WOOD DOOR AND METAL FRAME AND WALL DISPLAY UNITS. PROVIDE ADDITIONAL WALL AND OPENING FRAMING AS REQUIRED FOR INSTALLATION OF NEW CONSTRUCTION. ALTERNATE #1.
	REMOVE EXISTING RUBBER BASE AND ALL ASSOCIATED ADHESIVES BACK TO EXISTING GYPSUM BOARD WALL SURFACE PREPARE SURFACES TO RECEIVE NEW WALL BASE.
LOBBY - L201 U6	REMOVE EXISTING RECESSED FIRE EXTINGUISHER CABINET ANI ALL ASSOCIATED HARDWARE AND FASTENERS. SALVAGE FIRE EXTINGUISHER TO BE REINSTALLED WITHIN NEW EXTINGUISHER CABINET LOCATION.
32	REMOVE EXISTING STOREFRONT INCLUDING WOOD DOOR AND GLASS SIDELITE. DOOR LOCK, BATTERY KEYPAD, LATCH AND STRIKE PLATE TO BE SALVAGED FOR REINSTALLATION IN NEW DOOR. PREPARE OPENING TO RECEIVE NEW STOREFRONT ASSEMBLY.
28	REMOVE EXISTING CONTROL BOOTH EQUIPMENT AND WIRING. COORDINATE REMOVAL / SALVAGE OF ALL ELECTRONIC DEVICES, AND TERMINATION OF ALL EXISTING LOW-VOLTAGE WIRING WITH I.T. DEPARTMENT.
27	REMOVE EXISTING WINDOW GLAZING, FRAME, AND ALL ASSOCIATED BLINDS & HARDWARE.
29	 REMOVE ALL FIXED TABLES AND HALF HEIGHT PARTITION WALLS, INCLUDING ALL HARDWARE, FASTENERS, MODESTY PANELS, AND SUPPORTS, TYP.
	 REMOVE EXISTING MILLWORK LECTURN. COORDINATE REMOVAL / SALVAGE OF ALL ELECTRONIC DEVICES, AND TERMINATION OF ALL EXISTING LOW-VOLTAGE WIRING WITH IT DEPARTMENT / VENDOR. APPROXIMATE LOCATION OF EXISTING POKE-THROUGH POWER
	19 APPROXIMATE LOCATION OF EXISTING POKE-THROUGH POWER FEEDS. REMOVE FURNITURE-MOUNTED RECEPTACLES, CONDUIT, HARDWARE, ETC. SELECTIVELY CHISEL TOP OF EXISTING CONCRETE FLOORING AS REQUIRED TO ROUTE CONDUIT FROM EXISTING POKE-THROUGH LOCATION TO LOCATION OF NEW FIXED FURNITURE LEG. RE: ELECTRICAL
	DRAWINGS AND SHEET A302 FOR MORE INFORMATION AND RELOCATION NOTES.
	 EXISTING MARKER BOARD AND ALL ASSOCIATED FASTENERS. <u>ALTERNATE #2.</u> REMOVE PORTION OF WALL PARTITION FINISH FOR
	INSTALLATION OF NEW FIRE EXTINGUISHER CABINET. REVISE EXISTING STUD FRAMING AND ADD ADDITIONAL FRAMING AS REQUIRED.
	REMOVE BOTTOM EXISTING VENEER WOOD PANEL (2 TOTAL PANELS) AND ALL ASSOCIATED WOOD FURRING STRIPS AND 1-5/8" METAL STUDS. PROVIDE TEMPORARY SUPPORTS TO EXISTING WOOD PANELS ABOVE AS REQUIRED UNTIL NEW CONSTRUCTION IS INSTALLED.
	REMOVE PORTION OF EXISTING GYPSUM FABRICATION COLUMN COVER AND ASSOCIATED GRANITE BASE UP TO HEIGHT REQUIRED TO ALIGN WITH NEW CONSTRUCTION. PATCH ADJACENT EXISTING FLOOR AND WALL SURFACES TO REMAIN.
	REMOVE AND SALVAGE EXTERIOR LIGHT FIXTURE FOR ACCESS TO EXTERIOR POWER. REMOVE AND SALVAGE PORTION OF BRICK AT BOTH SIDES OF RETAINING WALL FOR INSTALLATION OF NEW RECESSED POWER BOX AND CONDUIT. CORE DRILL CONCRETE RETAINING WALL STRUCTURE AS REQUIRED. RE:
CLASSROOM - 214 J6	REMOVE EXISTING ACOUSTICAL CEILING TILE, GRID, AND ASSOCIATED HARDWARE AND SUSPENSION SYSTEM. PATCH
ADVERTISING	ADJACENT WALL SMOOTH WHERE PERIMETER ANGLE SUPPORTS ARE REMOVED.
36	 ASSOCIATED FRAMING / SUSPENSION SYSTEM. PATCH ADJACENT SURFACES SMOOTH WHERE PERIMETER OF CEILING SUPPORTS ARE REMOVED. REMOVE EXISTING LIGHT FIXTURE AND ASSOCIATED SUPPORTS
	RE: ELECTRICAL. REMOVE AND SALVAGE EXISTING AIR GRILLES AND TRIM FOR REINSTALLATION. RE: MECHANICAL.
	EXISTING PROJECTOR TO BE REMOVED AND NEW PROJECTOR INSTALLED AT SAME LOCATION BY OWNER. EXISTING PROJECTION SCREEN TO REMAIN.
	30 REMOVE AND SALVAGE EXISTING SPEAKERS FOR REINSTALLATION.
	REMOVE AND SALVAGE EXISTING CEILING MOUNTED EXIT SIGN FOR INSTALLATION AT NEW LOCATION. RE: ELECTRICAL.
	REMOVE EXISTING ACOUSTICAL CEILING TILE IN CLASSROOM 214. EXISTING GRID AND SUSPENSION SYSTEM TO REMAIN. PREPARE GRID TO RECEIVE NEW FIXTURES AND CEILING TILE.
	REMOVE AND SALVAGE EXISTING GRANITE TILE BAND FOR REINSTALLATION AT NEW LOCATION.
	TEMPORARILY DISCONNECT, REMOVE AND SALVAGE ALERTUS DEVICE TO BE REINSTALLED AT NEW LOCATION. RE: ELECTRICAL. <u>ALTERNATE #1.</u>
	CORE DRILL EXISTING FLOOR SLAB FOR NEW POWER AND DATA CONDUIT STUB UP. COORDINATE WITH OWNER EXACT LOCATION FOR CONNECTION WITH LECTERN PROVIDED BY
	OWNER. REMOVE EXISTING ACT CEILING IN CLASSROOM 110 BELOW AS REQUIRED FOR ACCESS TO INSTALL CONDUIT. SCOPE OF WORK TO BE DONE DURING BETWEEN 12/18/2022 AND 1/17/2022 WHILE THE CLASSROOM IS NOT OCCUPIED. RE: ELECT
	REINSTALLED AFTER CONSTRUCTION IS COMPLETE.
	6 5 4 3 2 ······

10

13 -



BB

W

N

H

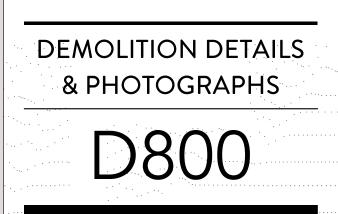
INDICATES AREAS OF BUILDING NOT IN CONTRACT

INDICATES EXISTING BUILDING ELEMENTS TO REMAIN

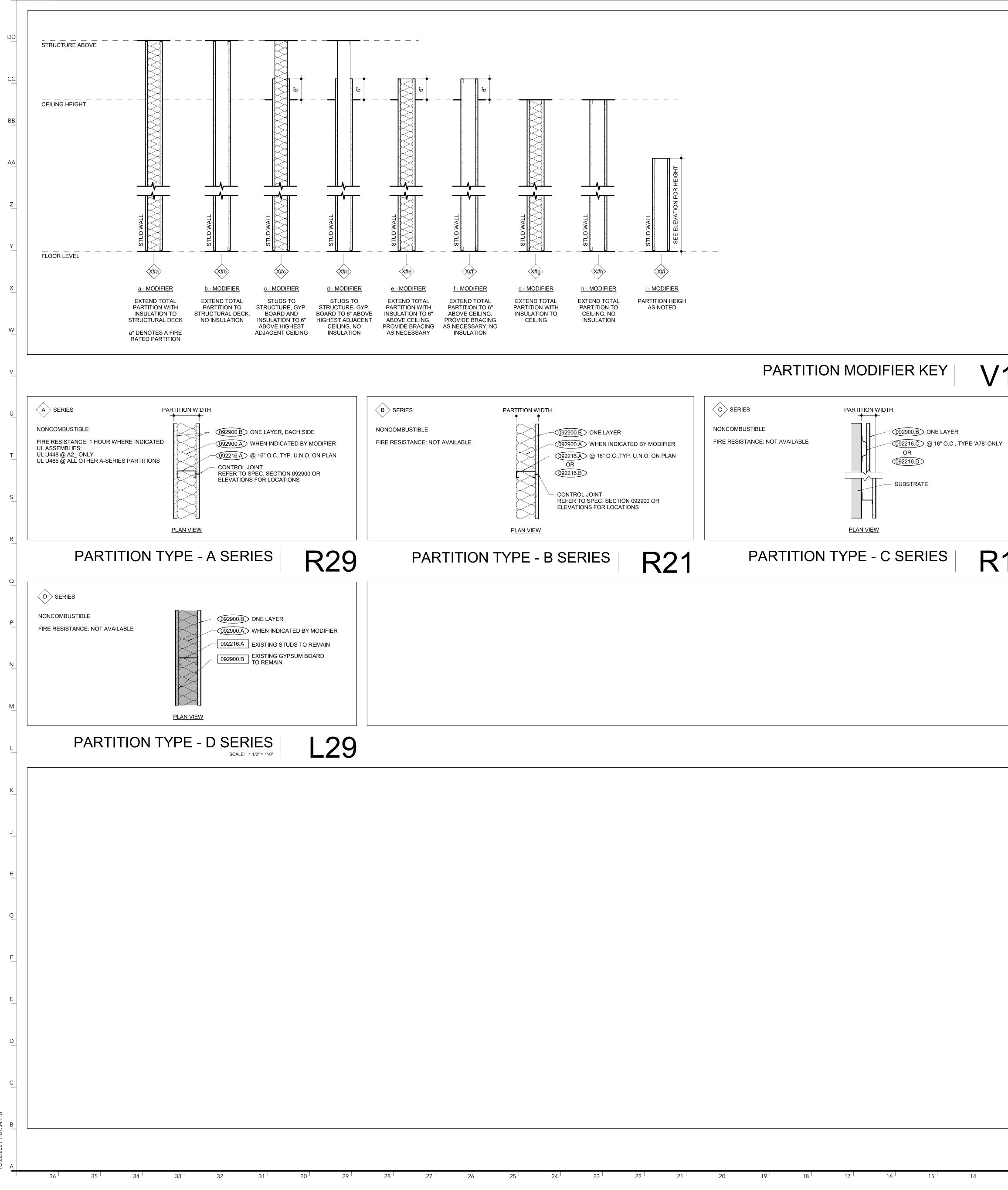
INTERNATIONAL ARCHITECTS ATELIER ··912 BROADWAY BLVD, SUITE 300 | KANSAS CITY, MO 64105 · P: 816 471 6522 | F: 816.471.3755 | W: I-A-A.COM

MISSOURI STATE CERTIFICATE OF AUTHORITY #000582

MEP CONSULTANT IMEG CORP. 1600 BALTIMORE KANSAS CITY, MO 64108 PH: 816.842.837 FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI LEE HILLS HALL -RENOVATE SPACES FOR NOVAK LEADERSHIP INSTITUTE THE UNIVERSITY OF MISSOURI ISSUED FOR BID 221 S 8th St Columbia, MO 65201 DATE: 10/27/2021 CP220031 PROJ. NO.: DESIGNED BY: AO, JL DRAWN BY: AO, JL CHECKED BY: ···JIL, MA·· APPROVED BY: MA SEAL: 10-27-2021 MAJID AMIRAHMADI - ARCHITECT MO#: A-5077 The Professional Architect's seal affixed to this sheet applies only to the material and items shown on this sheet. All drawings, instruments, or other documents not exhibiting this seal shall not be considered prepared by this architect, and this architect expressly disclaims any and all responsibility for such plans; drawings, or documents not exhibiting this seal. NO. REVISION SUBMISSION DATE 0. ISSUED FOR BID 10/27/2021



© 2021 INTERNATIONAL ARCHITECTS ATELIER



13	12 11 10 9 8 7 6 5	4 3 2 1
	 A. PARTITION TYPES SHOW GENERAL REQUIREMENTS FOR PARTITIONS. REFER TO SPECIFICATIONS, PRODUCT TECHNICAL DATA, AND REQUIREMENTS OF APPLICABLE TESTING AGENCIES FOR SPECIFICS OF PARTITION CONSTRUCTION REQUIREMENTS. B. PARTITION REQUIREMENTS SHOWN ARE MINIMUM STANDARDS. WHERE ACTUAL CONDITIONS CAUSE PARTION(S) TO EXCEED LIMITS, REINFORCE PARTITION(S) AS REQUIRED. C. MINIMUM STC RATINGS INDICATED ARE BASED ON PARTITION TYPES WITH 'a' MODIFIER ONLY. D. AT ACOUSTIC-RATED PARTITIONS (STC), PROVIDE CONTINUOUS BEAD OF ACOUSTICAL SEALANT AT JUNCTURE OF BOTH FACES OF RUNNERS OR PLATES WITH FLOOR AND CEILING CONSTRUCTION, AND WHEREVER GYPSUM BOARD ABUTS DISSIMILAR MATERIALS a. AT OPENINGS AND CUTOUTS, FILL OPEN SPACES BETWEEN GYPSUM BOARD AND FIXTURES, CABINETS, DUCTS, AND OTHER FLUSH OR PENETRATING ITEMS WITH CONTINUOUS BEAD OF SEALANT. b. SEAL SIDES AND BACKS OF ELECTRICAL BOXES TO COMPLETELY CLOSE OFF OPENINGS AND JOINTS. c. FILL EACH JOINT AND PENETRATION IN EACH PARTITION WITH INSULATION TO ACHIEVE 	EXISTING 000000.X CONSTRUCTION 000000.X EXISTING CONSTRUCTION 000000.X TAG ALL MATERIALS WITH THEIR LOCATIONS AND SEQUENCING FOR RE-USE. REPAIR AND CLEAN ANY DAMAGED MATERIALS PRIOR TO BEING RE-SET. DD NEW CONSTRUCTION 000000.X
	 ACOUSTIC RATING (STC) AND SEAL ACCORDINGLY. E. TYPICAL FLOOR PLAN DIMENSIONS FOR PARTITIONS ARE TO FINISH FACE OF GYPSUM BOARD UNLESS NOTED OTHERWISE. MAINTAIN DIMENSION BETWEEN FACE OF GYPSUM BOARD UNLESS NOTED OTHERWISE. MAINTAIN DIMENSION BETWEEN FACE OF FINISHES. F. PROVIDE FIRESTOPPING AT PENETRATIONS AND CONNECTIONS TO ADJACENT ASSEMBLIES IN FIRE-RATED PARTITIONS COMPLIANT WITH APPLICABLE TESTING AGENCY REQUIREMENTS. G. ALL PENETRATIONS THROUGH FIRE-RESISTANCE RATED PARTITIONS SHALL BE SEALED WITH MATERIALS AND ASSEMBLIES NECESSARY TO MAINTAIN THE REQUIRED RATING OF THE WALL, FLOOR, AND/OR ROOF. H. FIRE AND/OR ACOUSTIC TEST REFERENCES CALLED OUT MAY VARY DEPENDING ON THE MANUFATURER OF COMPONENTS ACTUALLY USED. I. ENSURE FINISH SURFACES ARE FLUSH AND SEAMLESS WHERE PARTITIONS AND/OR FURRING ARE COPLANAR. J. ISOLATE NON-BEARING FRAMING FROM STRUCTURAL ELEMENTS TO PREVENT TRANSFER OF LOADS TO PARTITION FRAMING. K. WALL FRAMING SHALL COORDINATE WITH REQUIRED MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, AND OTHER WORK. L. GYPSUM WALL CONTROL JOINTS (C.J.) SHALL BE INSTALLED AT A MAXIMUM 30'-0' O.C. AND AT MAJOR INTERRUPTIONS TO WALL SURFACE, SUCH AS DOORS, WINDOWS, AND EQUIPMENT OPENINGS. SEE ARCHITECTURAL PLANS AND INTERIOR ELEVATIONS FOR ADDITIONAL LOCATIONS REQUIRED. M. RECESSED ITEMS SHALL BE INSTALLED FLUSH WITH PARTITIONS U.N.O. PARTITION DEPTH MUST BE ADJUSTED TO ACCOMODATE DEPTH OF RECESSED ITEM OR AS DIRECTED BY ARCHITECT. 	03 CONCRETE
́1З	Series Partition 1. SERIES THIS CHARACTER DENOTES THE ASSEMBLY SERIES TO WHICH THE WALL BELONGS. PARTITION 2. STUD/MASONRY DESIGNATOR Stade	DIVISION 05 METALS
13	THIS CHARACTER DENOTES THE STUD OR FURRING WIDTH. FOR MASONRY, THIS CHARACTER INDICATES NOMINAL UNIT WIDTH. 3. MODIFIER THIS CHARACTER DENOTES MODIFICATION(S) TO THE SERIES ASSEMBLY. REFER TO THE PARTITION MODIFIER KEY FOR MODIFICATION(S). 1. SERIES 2. STUD/MASONRY DESIGNATOR 3. MODIFIER PARTITION MODIFIER KEY FOR MODIFICATION(S). 2. STUD/MASONRY DESIGNATOR 3. MODIFIER PARTITION MODIFIER KEY FOR MODIFICATION(S). 2. STUD/MASONRY DESIGNATOR 3. MODIFIER	DIVISION 06 WOOD, PLASTICS + COMPOSITES
	PARTITION STUD PARTITION STUD SPACING A3_ 3 5/8" 4 7/8" 16" B2_ 2 1/2" 3 1/8" 16" B3_ 3 5/8" 4 1/4" 16" D3_ - 5/8" -	DIVISION 07 THERMAL + MOISTURE PROTECTION
	PARTITION SCHEDULE L5	DIVISION 08 OPENINGS
		DIVISION OP FINISHES 092216.A 3-5/8" STL. STUD 092216.B 2-1/2" STL. STUD 092216.C 7/8" METAL HAT CHANNEL 092216.D 1-1/2" METAL HAT CHANNEL 092900.A SOUND ATTENUATION BLANKETS 092900.B 5/8" GYPSUM BOARD
		DIVISION SPECIALTIES 10 SPECIALTIES DIVISION EQUIPMENT 11 EQUIPMENT DIVISION FURNISHINGS DIVISION ONVEYING EQUIPMENT 14 CONVEYING EQUIPMENT DIVISION PLUMBING 22 PLUMBING DIVISION ELECTRICAL 23 HVAC DIVISION EARTHWORK 31 EARTHWORK 32 EXTERIOR IMPROVEMENTS
		NOTES B1
13	12 11 10 9 8 7 6 5	



MEP CONSULTANT IMEG CORP. 1600 BALTIMORE KANSAS CITY, MO 64108 PH: 816.842.837



FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI



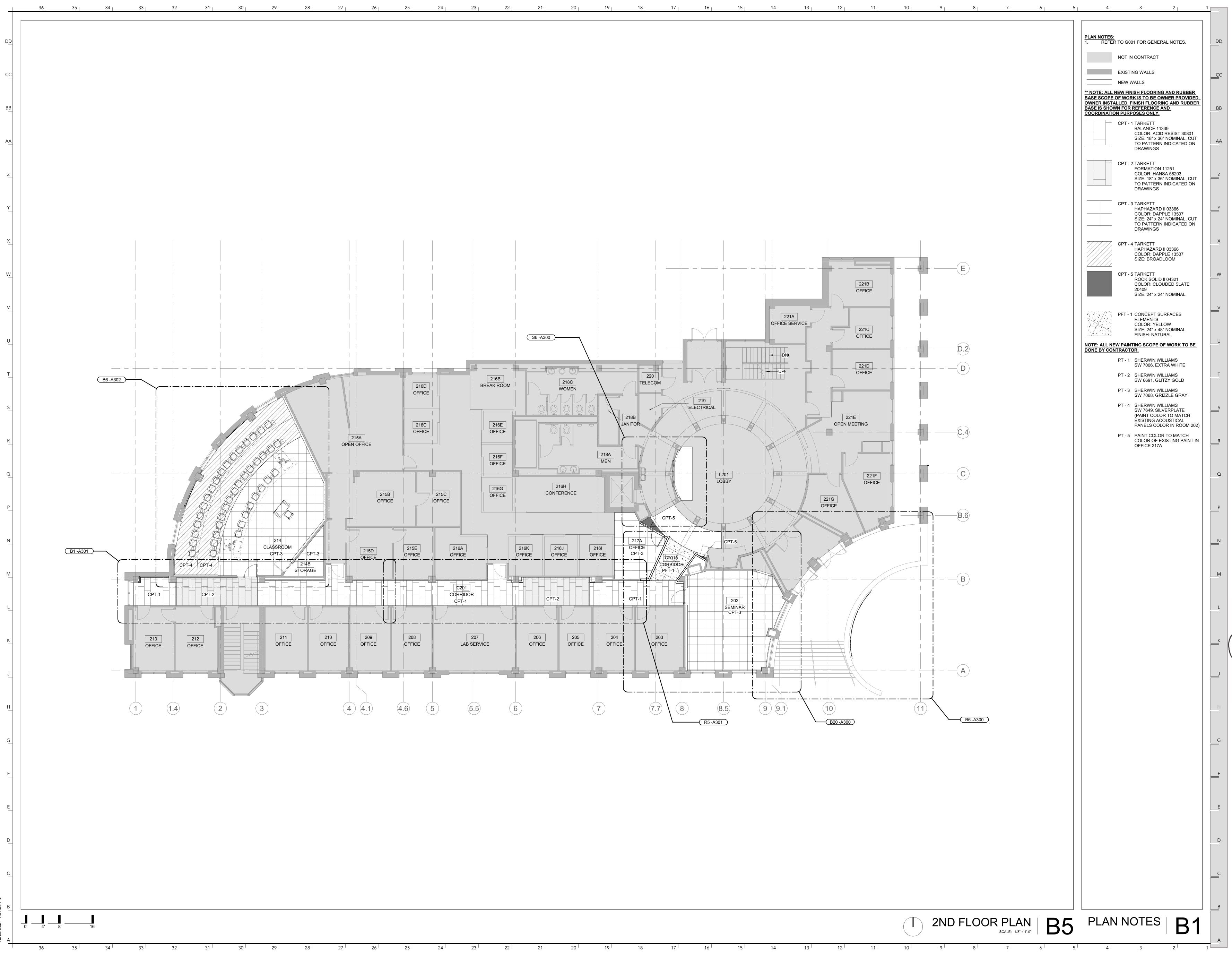
ISSUED FOR BID

221 S 8th St Columbia, MO 65201

I			
	date proj	:: I. NO.:	10/27/2021 CP220031
	DESI	GNED BY:	AO, JL
	DRAV	WN BY:	AO, JL
	CHEC	CKED BY:	JL, MA
	APPR	OVED BY:	MA
	to ti instrur be	AJID AMIRAHMADI - ARCH MORE A-5077	neet applies only All drawings, his seal shall not this architect or such plans,
		1	
	NO.		DATE
	0	ISSUED FOR BID	10/27/2021

WALL TYPES







MEP CONSULTANT IMEG CORP. 1600 BALTIMORE KANSAS CITY, MO 64108 PH: 816.842.837

AA

W

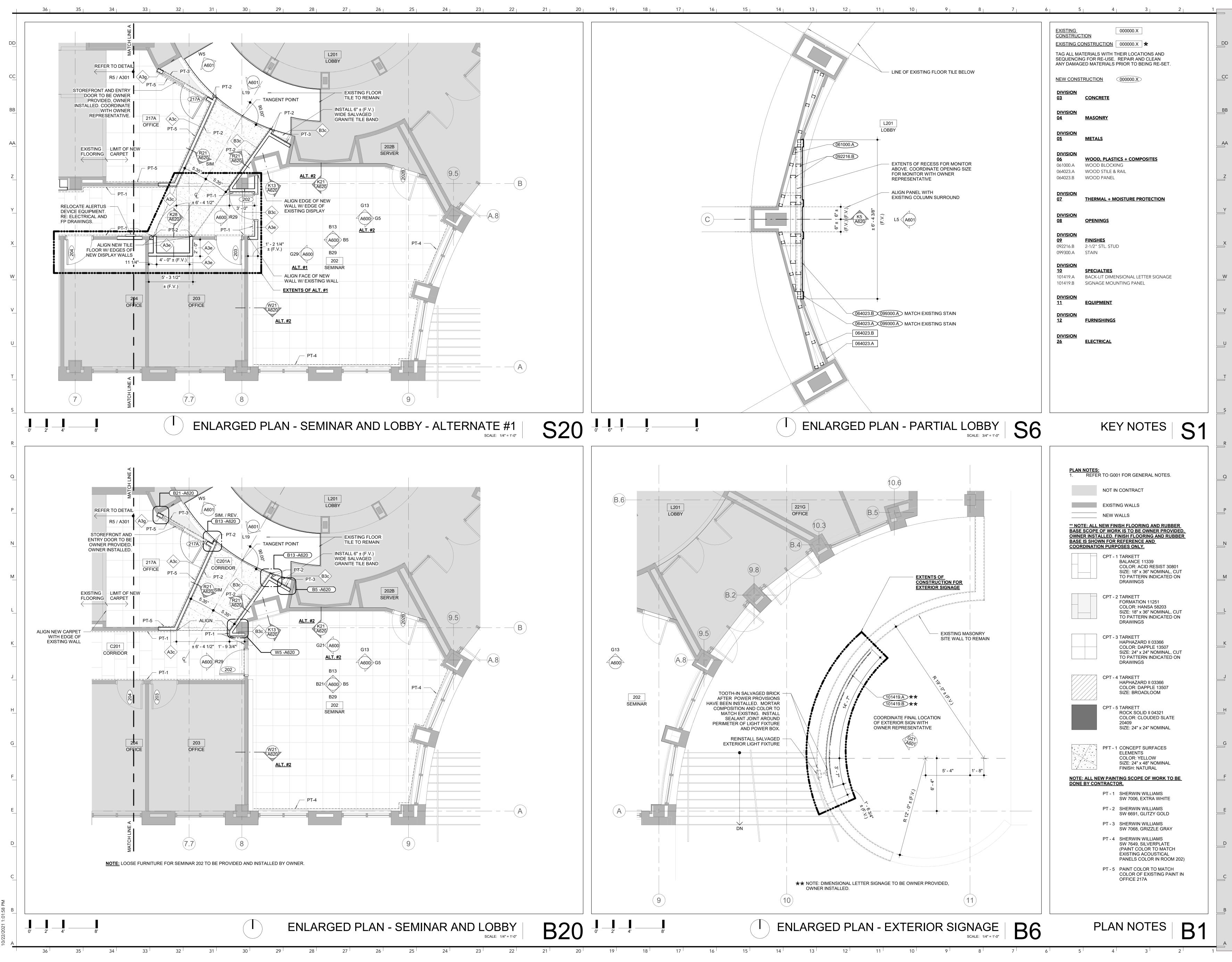


FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI



ISSUED FOR BID

	DATE	Ξ:	10/27/2021
	PRO.	J. NO.:	CP220031
	DESI	GNED BY:	AO, JL
	DRA۱	WN BY:	AO, JL
	CHE	CKED BY:	JL, MA
	APPR	OVED BY:	MA
	SEAL	$\sim \Lambda$	
	JEAL		
		E OF MIS	
1		AN MAJID	VER A
{		AMIRAHMAD	1.1
		1 X man	/ Juckel)
		A DRUMBER	
		4-005077	10/27/2021
		CHITE	SSS-
		10-27-20	
		MAJID AMIRAHMADI MO#: A-50	
	The P	rofessional Architect's seal affixed	
	to t	he material and items shown on ments, or other documents not e	this sheet. All drawings,
		considered prepared by this arc	
	exp	pressly disclaims any and all resp	onsibility for such plans,
	exp	oressly disclaims any and all resp drawings, or documents not e	onsibility for such plans,
	exp	oressly disclaims any and all resp drawings, or documents not e	onsibility for such plans,
	NO.	drawings, or documents not e	onsibility for such plans, xhibiting this seal. SION DATE
		drawings, or documents not e	onsibility for such plans, xhibiting this seal.
	NO.	drawings, or documents not e	onsibility for such plans, xhibiting this seal. SION DATE
	NO.	drawings, or documents not e	onsibility for such plans, xhibiting this seal. SION DATE
	NO.	drawings, or documents not e	onsibility for such plans, xhibiting this seal. SION DATE
	NO.	drawings, or documents not e	onsibility for such plans, xhibiting this seal. SION DATE
	NO.	drawings, or documents not e	onsibility for such plans, xhibiting this seal. SION DATE
	NO.	drawings, or documents not e	onsibility for such plans, xhibiting this seal. SION DATE
	NO.	drawings, or documents not e	onsibility for such plans, xhibiting this seal. SION DATE
	NO.	drawings, or documents not e	onsibility for such plans, xhibiting this seal. SION DATE
	NO.	drawings, or documents not e	onsibility for such plans, xhibiting this seal. SION DATE
	NO.	drawings, or documents not e	onsibility for such plans, xhibiting this seal. SION DATE
	NO.	drawings, or documents not e	onsibility for such plans, xhibiting this seal. SION DATE
	NO.	drawings, or documents not e	onsibility for such plans, xhibiting this seal. SION DATE
	NO. 0	drawings, or documents not e	onsibility for such plans, xhibiting this seal.
	NO. 0	drawings, or documents not e	onsibility for such plans, xhibiting this seal.
	NO. 0	drawings, or documents not e	onsibility for such plans, xhibiting this seal.





MEP CONSULTANT IMEG CORP. 1600 BALTIMORE KANSAS CITY, MO 64108 PH: 816.842.837



FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI

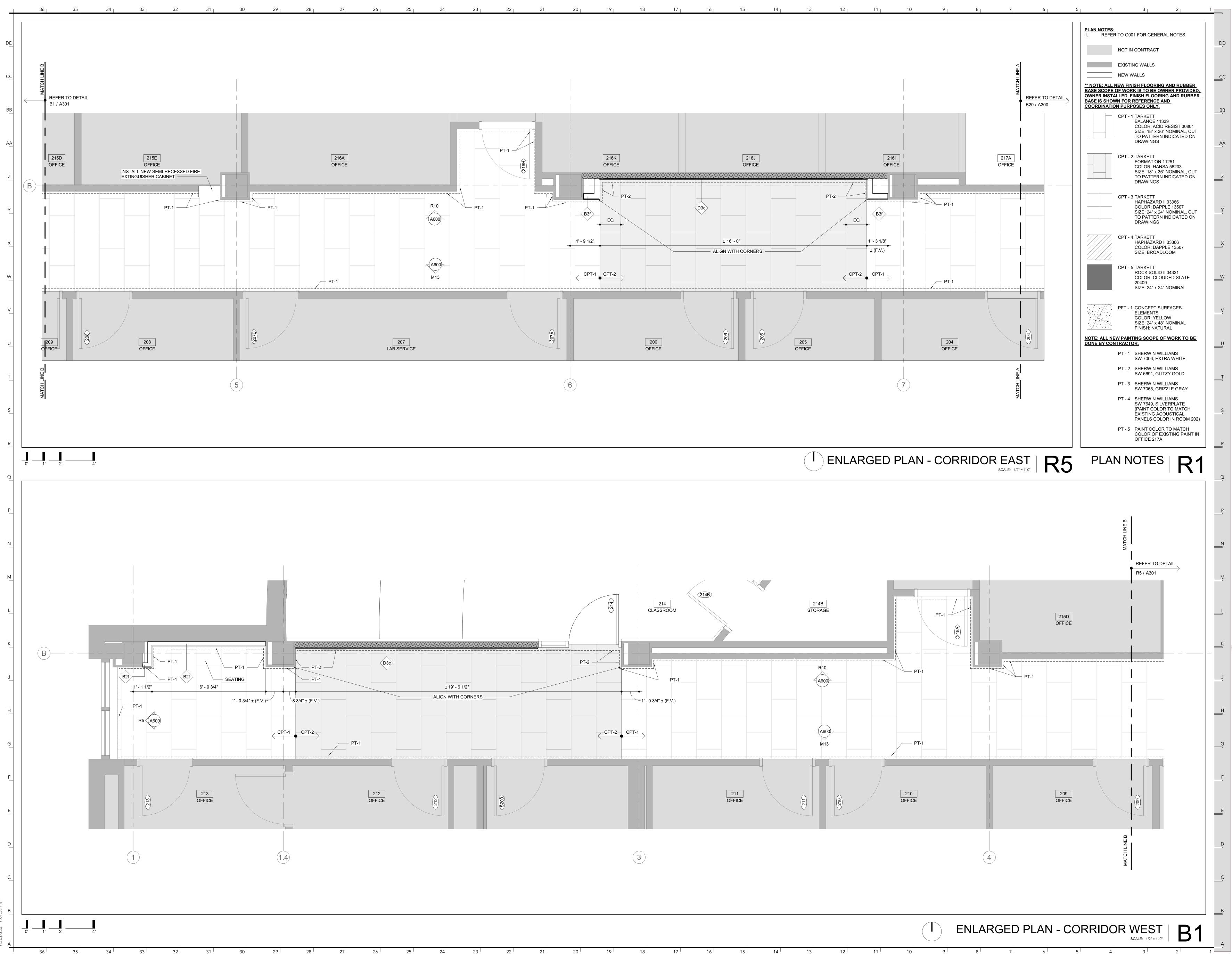


ISSUED FOR BID

221 S 8th St Columbia, MO 65201

Κ

DATE		
PRO.	Ξ: J. NO.:	10/27/2021 CP220031
DESI	GNED BY:	AO, JL
DRA	WN BY:	AO, JL
CHE	CKED BY:	JL, MA
APPR	OVED BY:	MA
to t instru	MAJID MAJID MAJID MAJID MAJID MAJID AMIRAHMADI - AR MO#: A-5077	is sheet applies only eet. All drawings, ng this seal shall not
be exp	considered prepared by this architect, pressly disclaims any and all responsibil drawings, or documents not exhibiti	lity for such plans,
	1	
NO. 0	REVISION SUBMISSION	N DATE 10/27/2021
		10/27/2021
		10/27/2021





MEP CONSULTANT IMEG CORP. 1600 BALTIMORE KANSAS CITY, MO 64108 PH: 816.842.837

BB

AA

W



FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI

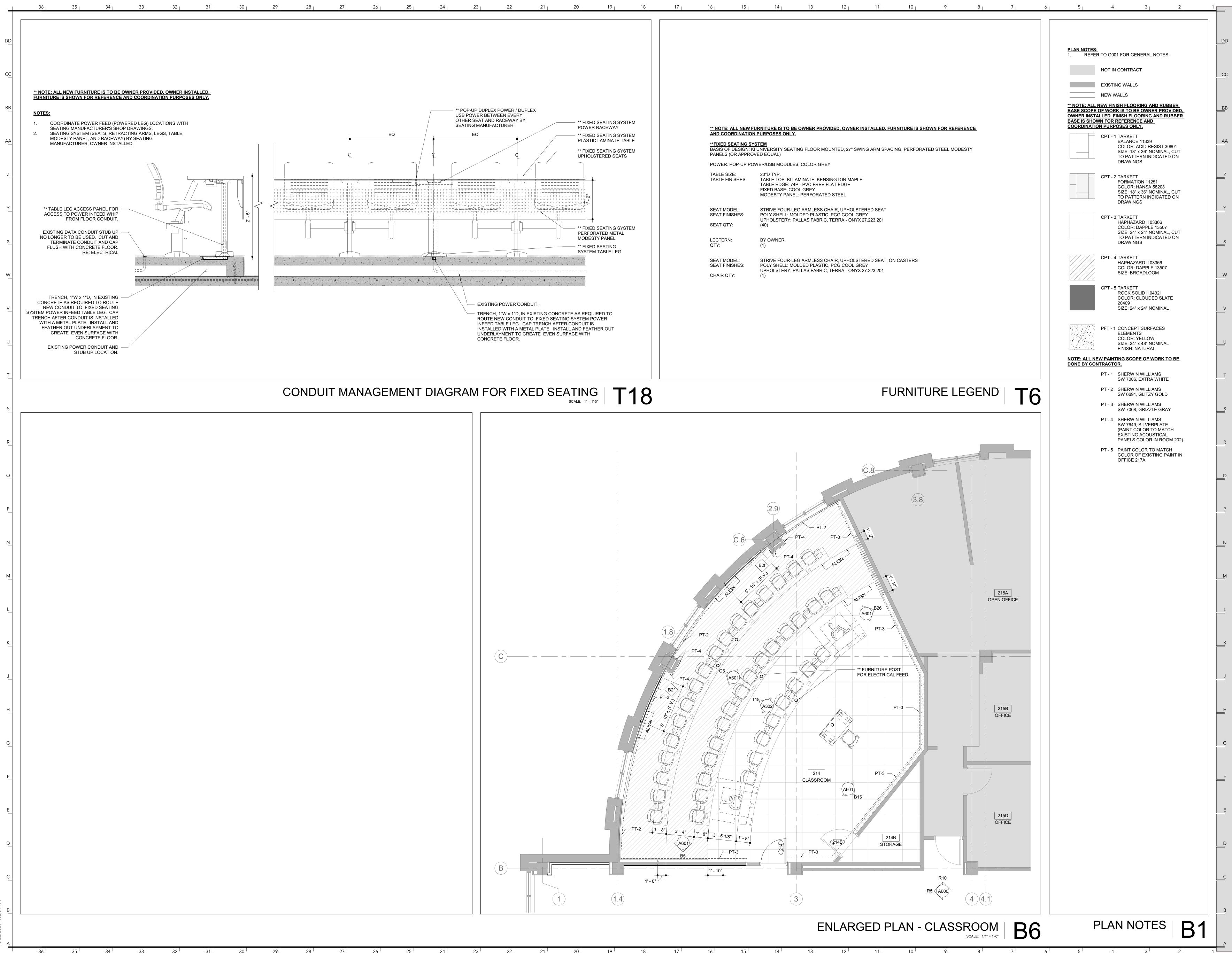


ISSUED FOR BID

221 S 8th St Columbia, MO 65201

N

	DATE			10/27/2021			
	PROJ	. NO.:		CP220031			
	DESI	GNED BY:		AO, JL			
	DRAV	VN BY:		AO, JL			
	CHEC	CKED BY:		JL, MA			
	APPR	OVED BY:		MA			
	SEAL		\				
(to tl instrur	ofessional Arc ne material and nents, or othe	MAJID MAJID MILANNED HIT HIT HIT HIT HIT HIT HIT HIT HIT HIT	is sheet applies only eet. All drawings, ng this seal shall not			
	exp	oressly disclaim drawings, o REVIS	epared by this architect, ns any and all responsibil r documents not exhibiti	ity for such plans, ng this seal.			
	0	ISSUED F	OK RID	10/27/2021			
	ENLARGED FLOOR PLANS						
		A	430	1			





MEP CONSULTANT IMEG CORP. 1600 BALTIMORE KANSAS CITY, MO 64108 PH: 816.842.837

BB

AA

W

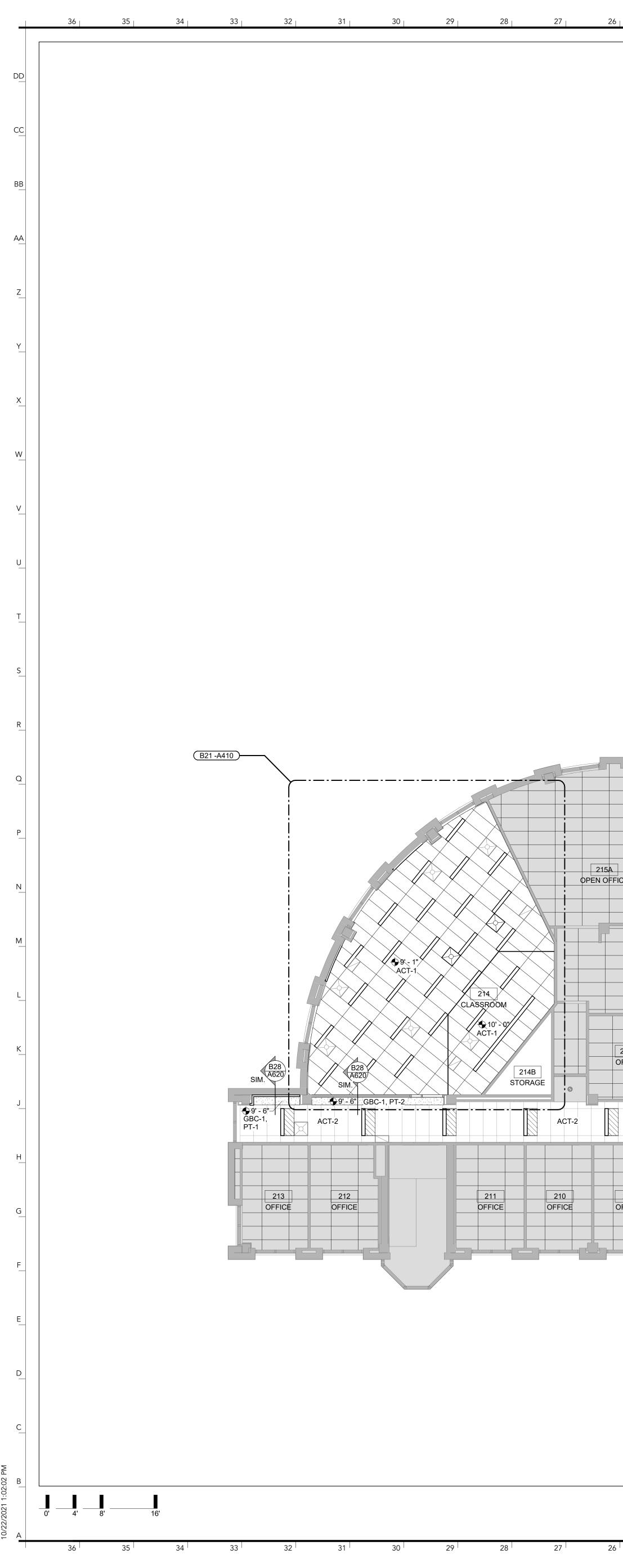


FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI



ISSUED FOR BID

	DATE PROJ	:: . NO.:		1	0/27/2021 CP220031		
	DESIC	GNED BY:			AO, JL		
	DRAV	VN BY:			AO, JL		
	CHEC	CKED BY:			JL, MA		
	APPR	OVED BY:			MA		
(SEAL:	10-	MAJID MAJID MIRAHMA CHITE A-005077 CHITE MIRAHMAE MO#: A-5	I - ARCHI	0/27/2021 TECT		
	to th instrun be o	ne material and nents, or other considered pro ressly disclaim	hitect's seal affix d items shown o r documents not epared by this a is any and all res r documents not	n this sheet. A exhibiting thi rchitect, and th ponsibility for	All drawings, s seal shall not nis architect such plans,		
	NO. 0	REVIS ISSUED F	ion submi or bid	SSION	DATE 10/27/2021		
	ENLARGED FLOOR PLANS						
	A302						



										1-0		OFFI
		216D OFFICE		216B BREAK ROOM		218C WOMEN		OM 219		0		
FICE		216C OFFICE		216E OFFICE				ELECTRIC 218B JANITOR	CAL Ø			G
				216F OFFICE 216G		216H	218A MEN			K5 A620		
	OFFICE		OFFICE	OFFICE		CONFERENCE			7' - 2" GBC-2 9			
215D OFFIC		215E OFFICE	216A OFFICE		216K OFFICE B28 A620	216J OFFICE	C F	17A FICE CT-2 •• 9' - 6 3/4" ACT-3		9' - 8" ± (F.V.) GBC-1 7' - 2 GBC PT-1	2-1 3-1 2-2	202B RVER
	9' - 7"			C201 CORRIDOR		9' - 6" GBC-1, PT-2	2		ACT-3			0
209 OFFIC		208 OFFICE		207 SERVICE	206 OFFICE	205 OFFIC			203 FICE		202 SEMINAR ACT-2 9' - 6 1/2"	

20

19

18

17

16

25

24

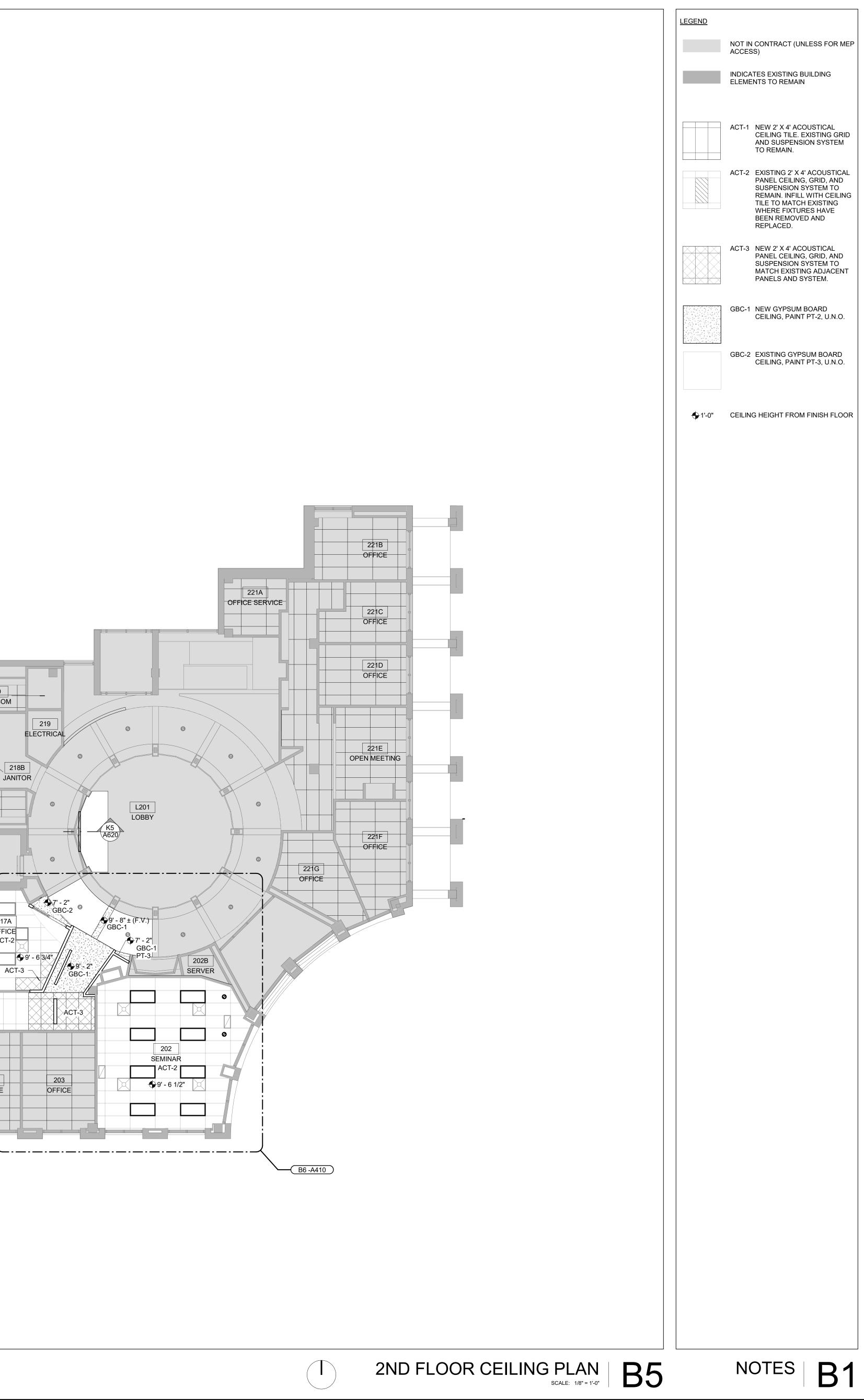
23

22

21 '

13

15



6

5 '

4

3 '

2



INTERNATIONAL ARCHITECTS ATELIER 912 BROADWAY BLVD, SUITE 300 | KANSAS CITY, MO 64105 P: 816 471 6522 | F: 816.471.3755 | W: I-A-A.COM MISSOURI STATE CERTIFICATE OF AUTHORITY #000582

MEP CONSULTANT IMEG CORP. 1600 BALTIMORE KANSAS CITY, MO 64108 PH: 816.842.837

BB

AA

W



FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI

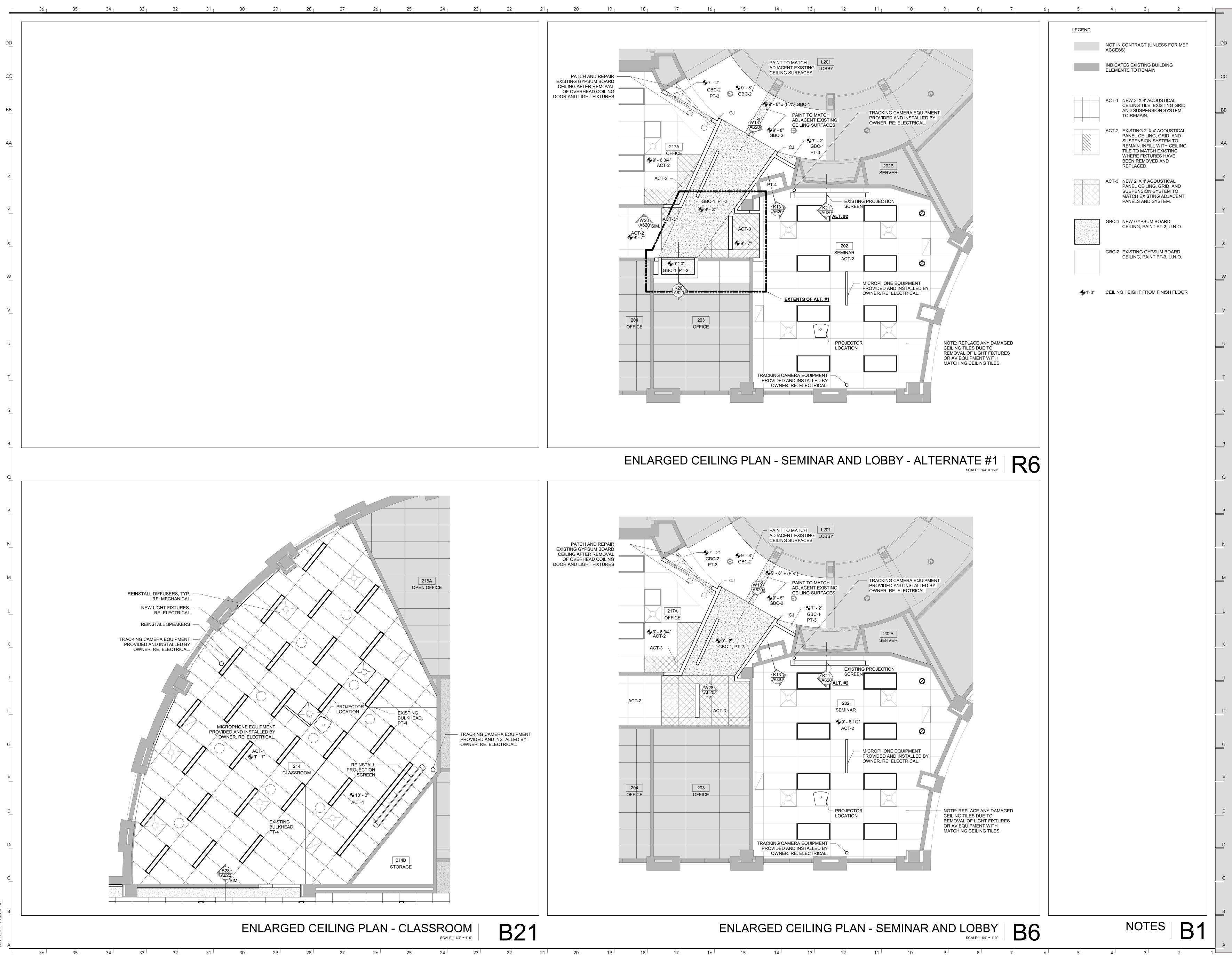


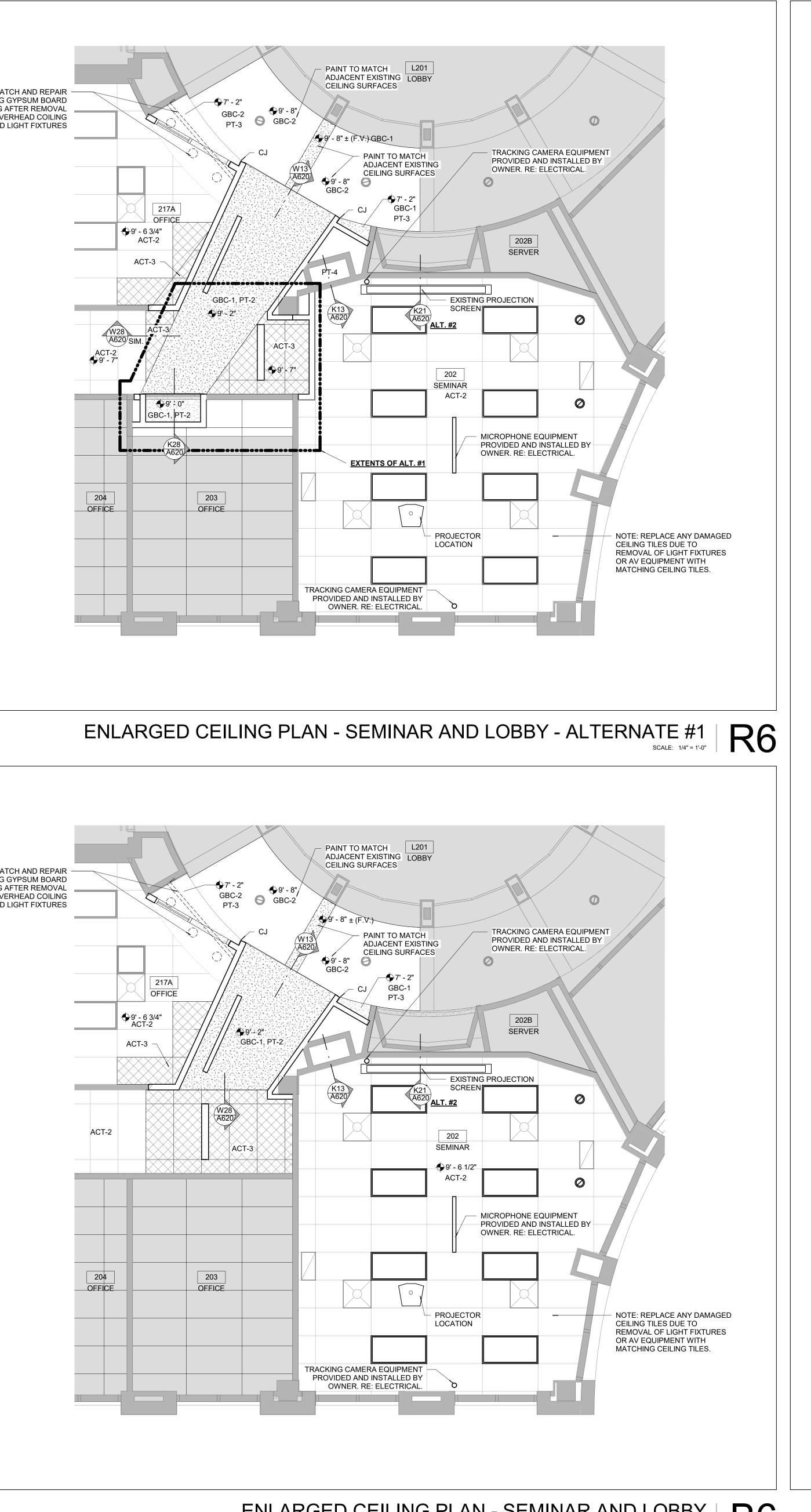
ISSUED FOR BID

221 S 8th St Columbia, MO 65201

DATE: 10/27/2021 CP220031 DESIGNED BY: AO, JL DRAWN BY: AO, JL CHECKED BY: JL, MA APPROVED BY: MA SEAL: MAID AMIRAIMADI - ARCHITECT MAJD AMIRAIMADI - ARCHITECT MO'R' A-SOT? The Professional Architect's seal afficed to this sheet. Maldrawing, or documents not exhibiting this seal shall not be exoisdered prayered by this architect expressly disclaims any and all responsibility for such plans, drawing, or documents not exhibiting this seal. NO. REVISION SUBMISSION DATE O ISSUED FOR BID 10/27/2021 D ISSUED FOR BID 10/27/2021						
<image/> <text><text></text></text>						
<image/> <text><text><text></text></text></text>						
The Professional Architect's seal affixed to this sheet applies only to the material and items shown on this sheet. All drawings, instruments, or other documents not exhibiting this seal shall not be considered prepared by this architect, and this architect expressly disclaims any and all responsibility for such plans, drawings, or documents not exhibiting this seal. NO. REVISION SUBMISSION DATE 0 ISSUED FOR BID 10/27/202* 0 ISSUED FOR BID IO/27/202* 0 ISSUED FOR BID <td< th=""></td<>						
A400						

1





1 _____



INTERNATIONAL ARCHITECTS ATELIER 912 BROADWAY BLVD, SUITE 300 | KANSAS CITY, MO 64105 P: 816 471 6522 | F: 816.471.3755 | W: I-A-A.COM MISSOURI STATE CERTIFICATE OF AUTHORITY #000582

MEP CONSULTANT IMEG CORP. 1600 BALTIMORE KANSAS CITY, MO 64108 PH: 816.842.837

BB

AA

W



FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI

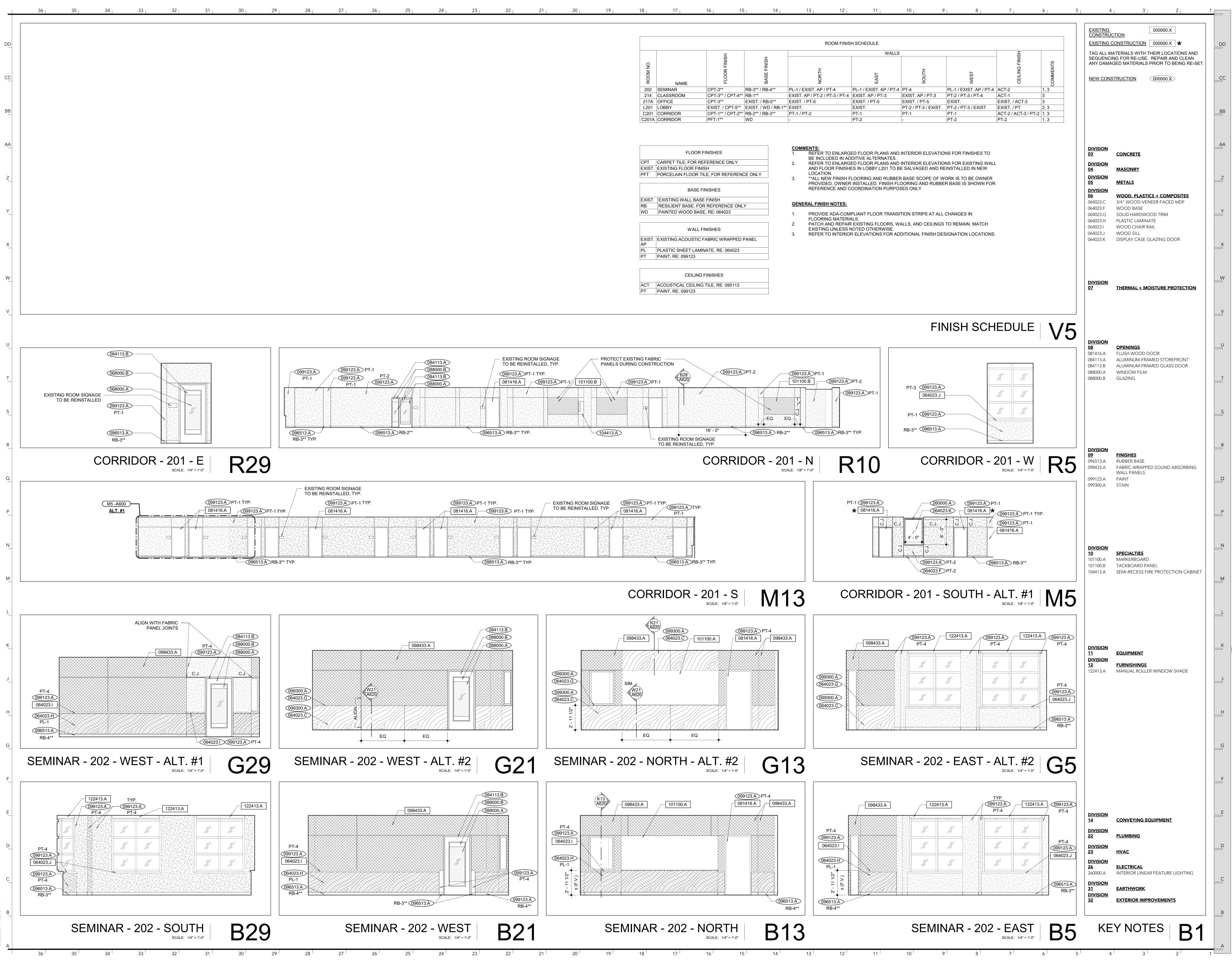


ISSUED FOR BID

221 S 8th St Columbia, MO 65201

DATE: PROJ. NO.:	10/27/2021 CP220031
DESIGNED BY:	AO, JL
DRAWN BY:	AO, JL
CHECKED BY:	JL, MA
APPROVED BY:	MA
SEAL: MAJID	- ARCHITECT 77 d to this sheet applies only this sheet. All drawings, xhibiting this seal shall not hitect, and this architect onsibility for such plans,
NO. REVISION SUBMIS 0 ISSUED FOR BID	
ENLARGED PLAN	
A41	0

© 2021 INTERNATIONAL ARCHITECTS ATELIER





MEP CONSULTANT IMEG CORP. 1600 BALTIMORE KANSAS CITY, MO 64108 PH: 816.842.837

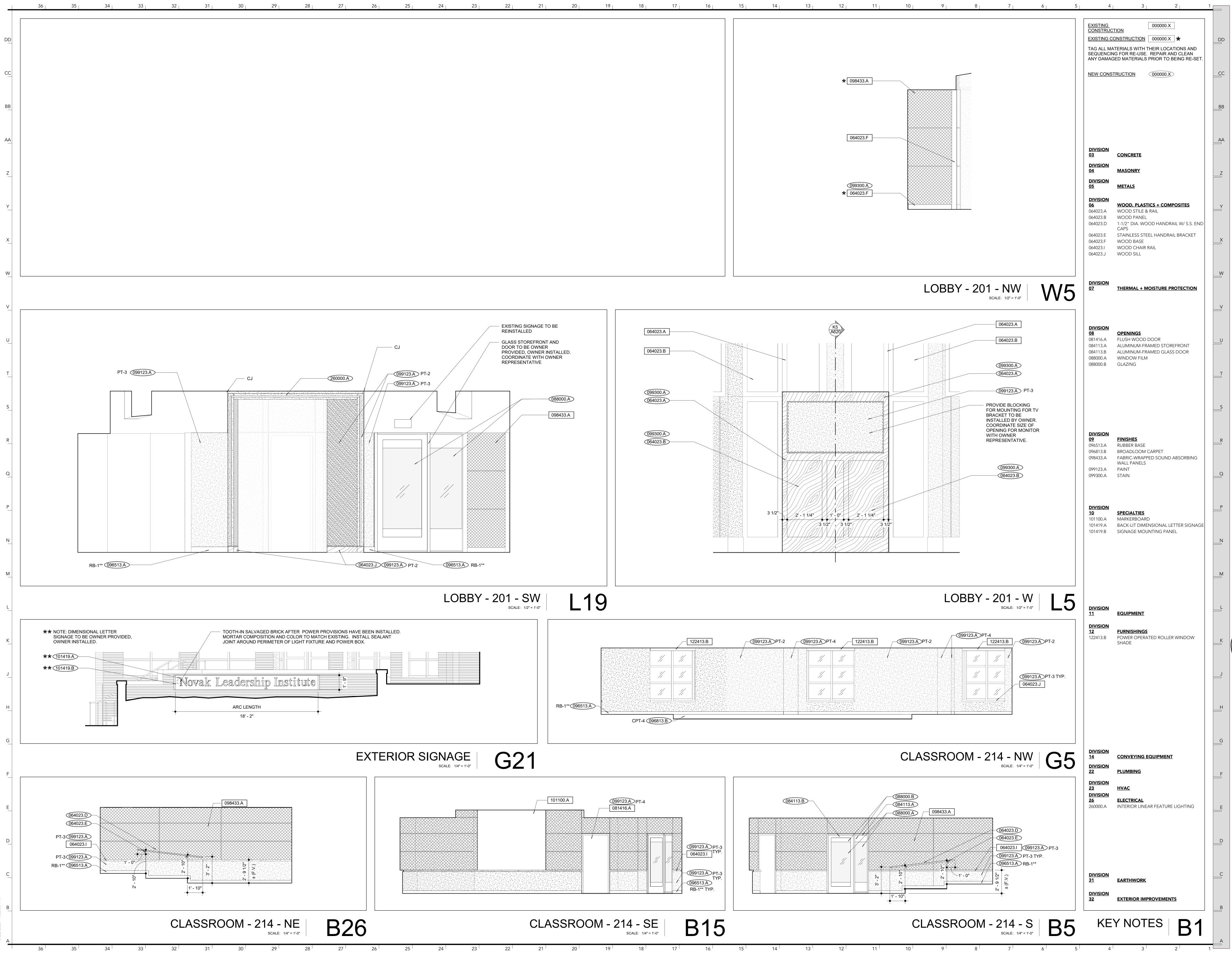


FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI



ISSUED FOR BID

DATI PRO.		
	Ξ: J. NO.:	10/27/2021 CP220031
	GNED BY:	
2 20.	GNED BY:	AO, JL AO, JL
	CKED BY:	
	OVED BY:	JL, MA MA
AFF		IVIA
SEAL		
\frown	E OF M SSOC	21
	AMIRAHMADI Y	
	Minn'al w	
	HUMBER	Man 1
	W-005077	10/27/2021
	CHITECAS	,
	10-17-2021	
	MAJID AMIRAHMADI - ARCH	HITECT
	MO#: A-5077	
The P to t	rofessional Architect's seal affixed to this s he material and items shown on this sheet	heet applies only All drawings,
instru	ments, or other documents not exhibiting considered prepared by this architect, and	this seal shall not
	pressly disclaims any and all responsibility drawings, or documents not exhibiting	for such plans,
NO.	REVISION SUBMISSION	DATE
NO. 0	ISSUED FOR BID	10/27/2021
	INT. ELEVATIO	NS /
	INT. ELEVATIO FINISH SCHED	
	FINISH SCHED	ULE
		ULE





MEP CONSULTANT IMEG CORP. 1600 BALTIMORE KANSAS CITY, MO 64108 PH: 816.842.837

BB

W



FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI



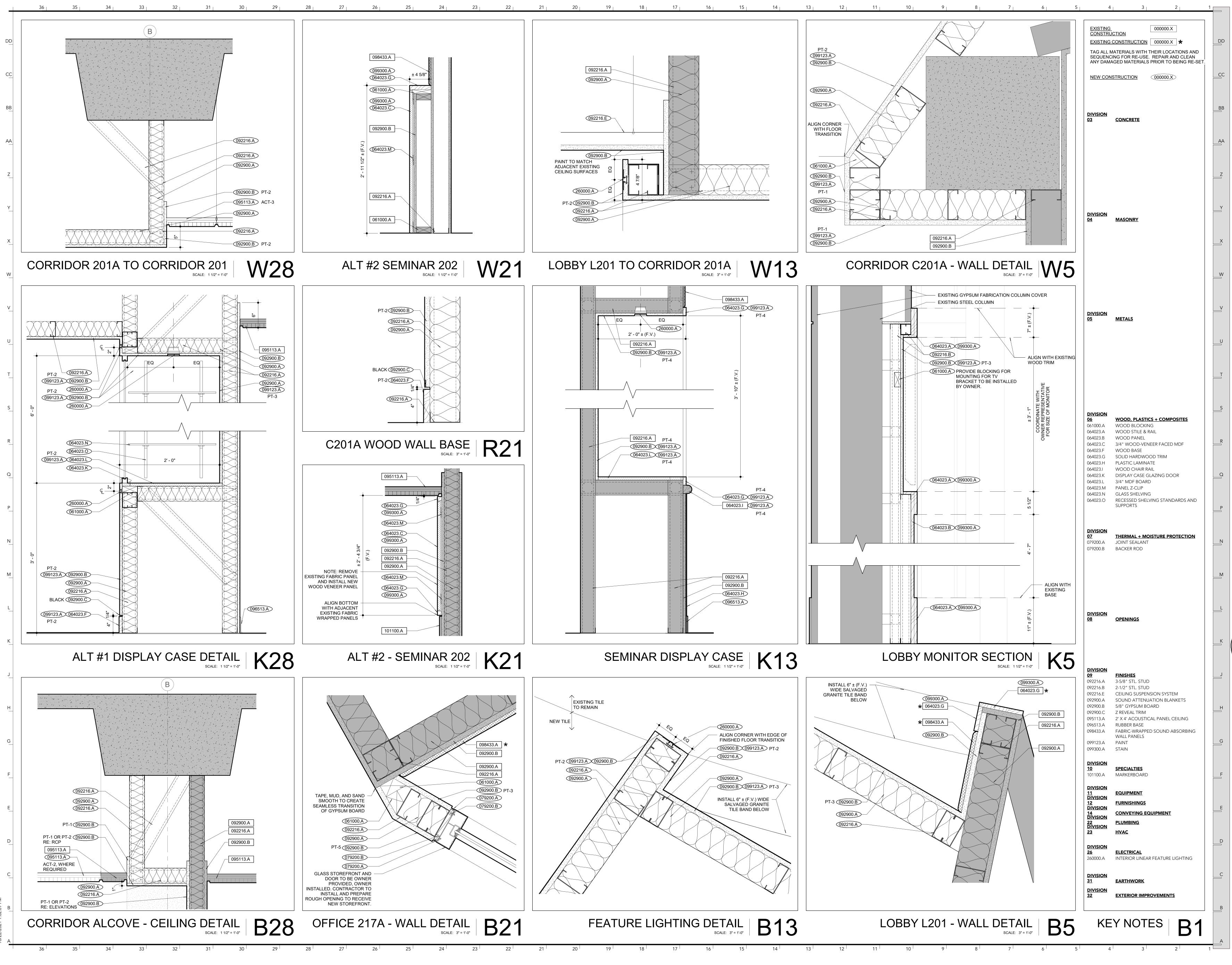
ISSUED FOR BID

221 S 8th St Columbia, MO 65201

Κ

F

	date Proj	:: . NO.:			27/2021 P220031			
	DESIC	GNED BY:			AO, JL			
	DRAV	VN BY:			AO JL			
	CHEC	CKED BY:			JL, MA			
	APPR	OVED BY:			MA			
(SEAL	10-	OF M SSO MAJID MAJID MAJID MAJID MIRATHMADI CHITEC S CHITEC S CHITEC S CHITEC S CHITEC S S CHITEC S S CHITEC S S S S S S S S S S S S S S S S S S S	Ę	27/2021 CT			
	The Professional Architect's seal affixed to this sheet applies only to the material and items shown on this sheet. All drawings, instruments, or other documents not exhibiting this seal shall not be considered prepared by this architect, and this architect expressly disclaims any and all responsibility for such plans, drawings, or documents not exhibiting this seal.							
	NO. 0	ISSUED FC	ON SUBMISSIOI DR BID		DATE 0/27/2021			
			NTERIOI EVATIOI	-				
		Δ	60	1				





MEP CONSULTANT IMEG CORP. 1600 BALTIMORE KANSAS CITY, MO 64108 PH: 816.842.837

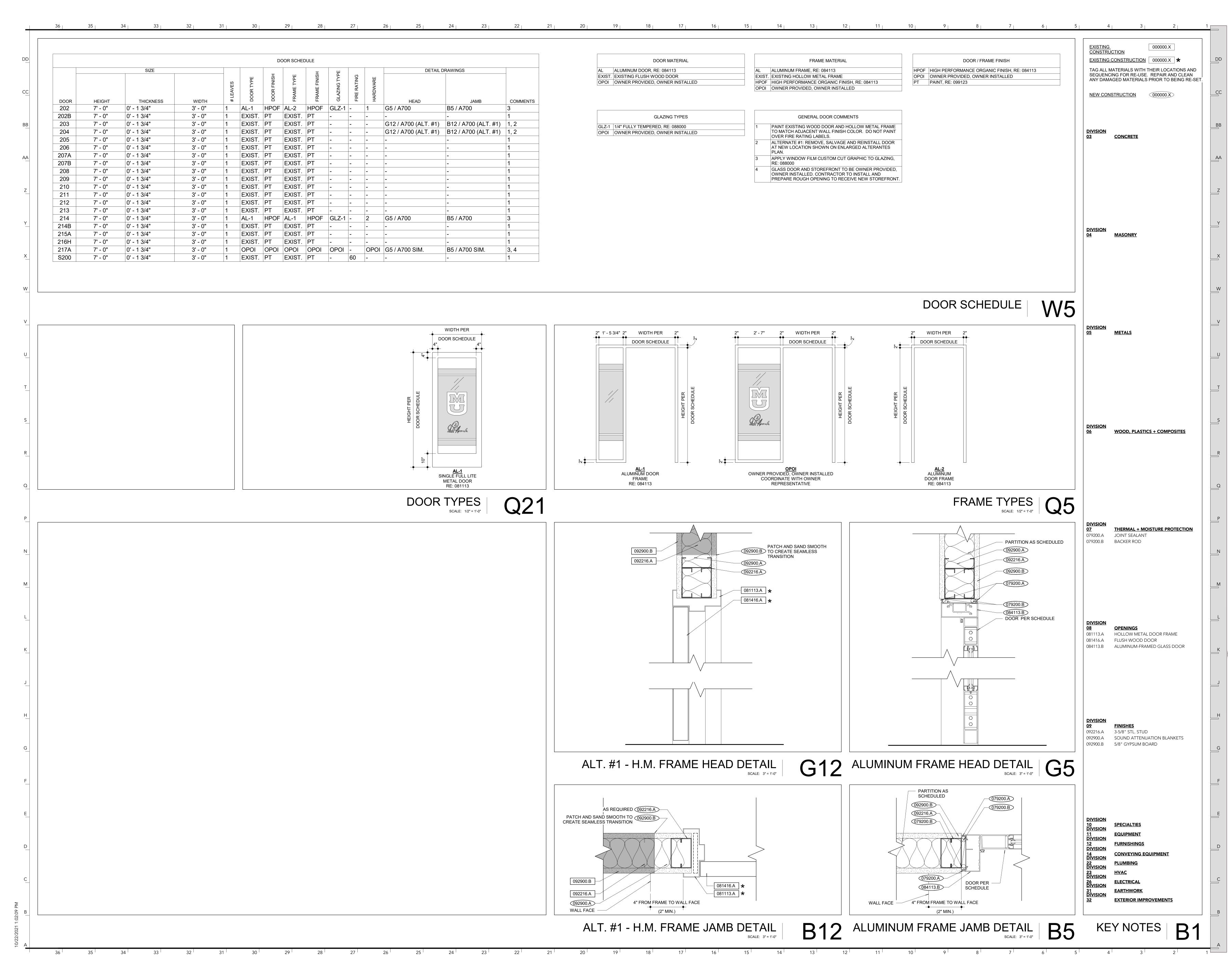


FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI



ISSUED FOR BID

	DATE PROJ	:: I. NO.:		10/27/2021 CP220031
		GNED BY:		AO, JL
		WN BY:		AO, JL AO, JL
		CKED BY:		JL, MA
	-	OVED BY:		MA
	SEAL	: I\		
		A STATE	OF MISCO	b .
1		J.X	MAJID	
			MIRAHMADI	FA
N			utur'al la	A A A
			NUMBER	
		Ser An	W-005077	10/27/2021
		ADDI	CHITECAS	7
		10-1	17-2021	
		MAJID AM	IRAHMADI - AR MO#: A-5077	CHITECT
	The P	rofessional Archit	ect's seal affixed to th	nis sheet applies only
	to t instrui	he material and it ments, or other d	tems shown on this sh ocuments not exhibit	neet. All drawings, ing this seal shall not
		pressly disclaims a	ared by this architect, any and all responsibi ocuments not exhibit	lity for such plans,
		drawings, or d		
	NO.	REVISIO		N DATE
	0	ISSUED FO		10/27/2021
		NTER	IOR DE	TAILS
		٨		$\widehat{}$
		A	.62	U





MEP CONSULTANT IMEG CORP. 1600 BALTIMORE KANSAS CITY, MO 64108 PH: 816.842.837



FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI



ISSUED FOR BID

DAT PRC	E: J. NO.:	10/27/2021 CP220031					
DES	IGNED BY:	AO, JL					
DRA	WN BY:	AO, JL					
CHE	CKED BY:	JL, MA					
APP	ROVED BY:	MA					
to instr b	L: MAJID MAJID AMIRAHMADI - ARC MO#: A-5077 Professional Architect's seal affixed to this the material and items shown on this shee uments, or other documents not exhibiting e considered prepared by this architect, ar gpressly disclaims any and all responsibility	sheet applies only et. All drawings, g this seal shall not nd this architect					
NO. 0	drawings, or documents not exhibiting REVISION SUBMISSION ISSUED FOR BID	DATE 10/27/2021					
[DOOR SCHEDULE & TYPES						
		A700					

	36	35	34	33	32	31	30	29	28	27	26	25	24	23
														
									AND TAG KE		/IEW KE	Y		
									K BY THIS CO	<u>Y:</u>)NTRACTOR (W	/IDE LINE)			
СС									NEW EXISTIN NEW UN	G TO BE REMC IDERFLOOR OF	VED (SHORT DAS R UNDERGROUNE	SHED PATTERN D (LONG DASHE) ED PATTERN)	
									— EXISTIN	G	THERS (NARROW			
											OVED BY OTHERS	(SHORT DASH DUND (LONG D	ED PATTERN) ASHED PATTERI	1)
BB								HALFTONI	NG DOES NO	T MODIFY SCO	PE.			
								'TAG'-E <u>TAG-1</u>			IDICATES THE RE			
AA								•	INFORM	ATION IS AVAIL	ABLE IN A SCHE	DULE, MATERIA	L LIST, OR SYME	BOL LIST
								•						
Z														
Y									CONT	RACTO	R ABBRE	VIATIO	N KEY	
<u> </u>								ABBR:		IPTION:	CONTRACTOR			
								A.V.C.	AUDIO/VI	SUAL CONTRA				
X								C.C. C.M.	CONSTRU	JCTION MANAG				
								E.C. F.P.C.		CAL CONTRAC				
W								F.S.C. G.C.		RVICE CONTR/				
								H.C.	HEATING		2			
V								N.C.C.	NURSE C	ALL CONTRAC	TOR			
								P.C. S.C.	SECURIT	G CONTRACTO Y CONTRACTO	R			
U								T.C. T.C.C.		OGY CONTRA	CTOR DLS CONTRACTO	R		
<u> </u>								V.C.	VENTILAT	TION CONTRAC	TOR			
T														
S														
R														
Q														
Р														
N														
M														
L														
ĸ_														
J														
H_														
G														
F														
E														
D														
C														
4 AM														
11:48:44 B														
10/21/2021 11:48:44 AM ک ص														
10/2	36	35	34	33	32	31	30	29	28	27	26	25	24	23
	50		U T		52	<u>,</u>	~~	_/		-1	20	20	<u> </u>	

MECHANICAL SYMBOL LIST		MECHANICAL ABBREVIATION KEY	FIRE PROTECTION GENERAL NOTES:
NOT ALL SYMBOLS MAY APPLY.			
OL: DESCRIPTION:	ABBR:	DESCRIPTION:	1. THE SYMBOLS AND THE MATERIAL LIST ARE FOR THE CONVENIENCE OF THE CONTRACTOR. CONTRACTOR SHALL VERIFY QUANTITIES AND FURNISH ALL MATERIAL REQUIRED FOR FULLY OPERATIONAL SYSTEMS, WHETHER SPECIFIED OR NOT.
	AD	ACCESS DOOR	2. CENTER SPRINKLERS IN CEILING TILES IN BOTH DIRECTIONS IN ALL AREAS. IN AREAS
SUPPLY DIFFUSER	AFF	ABOVE FINISHED FLOOR	WITH 2'X4' CEILING TILES CENTERING USING A 2'X2' CEILING PATTERN IS ACCEPTABLE SPRINKLER HEADS SHALL BE ALIGNED WITH OTHER SPRINKLER HEADS, LIGHTING,
	BFP	BACKFLOW PREVENTER	DIFFUSERS, AND ANY OTHER FEATURES IN THE CEILING. 3. NEW SPRINKLERS SHALL BE QUICK RESPONSE TYPE, UNLESS OTHERWISE NOTED.
RETURN GRILLE	BT	BATHTUB	CONTRACTOR SHALL NOT MIX STANDARD RESPONSE SPRINKLERS WITH QUICK RESPONSE SPRINKLERS IN UNPARTITIONED SPACES.
	C	COMMON	 PROVIDE COVERAGE ABOVE AND BELOW ALL DUCTWORK GREATER THAN 48" WIDE. PROVIDE COVERAGE ABOVE (IF APPLICABLE) AND BELOW FLOATING CEILINGS, REFE
THERMOSTAT	CB CFSD	CATCH BASIN CONTROL/FIRE/SMOKE DAMPER	TO ARCHITECTURAL PLANS. 6. THE FIRE PROTECTION SYSTEM SHALL BE DESIGNED TO MEET OWNER'S INSURANCE
		CAST IRON	COMPANY STANDARDS WHERE APPLICABLE. THE MORE STRINGENT OF THE OWNER INSURANCE UNDERWRITER'S DESIGN CRITERIA AND THE NFPA STANDARDS SHALL B
	со	CLEANOUT	USED. 7. ALL BUILDING AREA SHALL BE FULLY SPRINKLERED INCLUDING CANOPIES, WALKWA
	CS	CLINICAL SINK	OVERHANGS, SOFFITS, AND BUILDING PROJECTIONS. ALL ACCESSIBLE COMBUSTIBL
	DB	DIALYSIS BOX	CONCEALED SPACES SHALL BE FULLY PROTECTED BY THE SPRINKLER SYSTEM. 8. WHERE FEASIBLE INSTALL PIPES HIGH AS POSSIBLE TO AVOID CONFLICT WITH OTHE
FIRE PROTECTION SYMBOL LIST	DF		DISCIPLINES. 9. INSTALL SYSTEM DRAINS AT LOW POCKET AREAS CONTAINING FIVE GALLONS OF
NOT ALL SYMBOLS MAY APPLY.	DI DPG (0-2")	DUCTILE IRON DIFFERENTIAL PRESSURE GAUGE (RANGE)	WATER OR MORE, PROVIDE WITH ISOLATION VALVE AND THREADED HOSE CONNECTION.
DESCRIPTION:	DPS DPS	DIFFERENTIAL PRESSURE SWITCH	 FINAL HEAD LOCATION, TYPE AND FINISH SHALL BE REVIEWED AND APPROVED BY T ARCHITECT.
	E	EXISTING	11. THE OWNER MUST BE NOTIFIED PRIOR TO EACH AND EVERY DRAINING OR RECHARC OF THE SPRINKLER SYSTEM.
LIGHT HAZARD	EA	EXHAUST/RELIEF AIR	12. THE CONTRACTOR SHALL PREPARE A COORDINATED SET OF SHOP DRAWINGS AND SHALL OBTAIN APPROVAL FROM THE AUTHORITIES HAVING JURISDICTION AND THE
	ECFSD	EXISTING CONTROL FIRE SMOKE DAMPER	LOCAL FIRE DEPARTMENT PRIOR TO ANY INSTALLATION.
SPRINKLER - WALL MOUNTED	EE		13. DRAWINGS SHOW LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING, ETC. ARE DIAGRAMMATIC AND MAY NOT ALWAYS REFLECT EXACT INSTALLATION CONDITIONS
SPRINKLER	EFD EFSD	EXISTING FIRE DAMPER	DRAWINGS SHOW THE GENERAL ARRANGEMENT OF DUCTWORK, PIPING, EQUIPMEN ETC. AND MAY NOT INCLUDE ALL OFFSETS AND FITTINGS REQUIRED FOR COMPLETE
		EXISTING FIRE SMOKE DAMPER ELECTRICAL TO PNEUMATIC VALVE	INSTALLATION. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILD CONSTRUCTION AND THE WORK OF OTHERS WILL PERMIT.
	ES	EMERGENCY SHOWER	14. VERIFY ALL DIMENSIONS AND CLEARANCES FROM ARCHITECTURAL, STRUCTURAL, SUBMITTALS, AND OTHER APPROPRIATE DRAWINGS OR PHYSICALLY AT SITE. REVIEW
	ESD	EXISTING SMOKE DAMPER	ALL DRAWINGS. INCLUDING THOSE OF OTHER TRADES.
	ESE	EMERGENCY SHOWER/EYEWASH	
	EWC	ELECTRIC WATER COOLER	VENTILATION GENERAL NOTES:
	FCO	FLOOR CLEANOUT	1. UNLESS NOTED OTHERWISE, THE SIZE OF EACH BRANCH DUCT TO A TERMINAL AIR (TAB) SHALL MATCH THE INLET SIZE UNLESS THE BRANCH IS GREATER THAN 6FEET
	FD		LENGTH, IN WHICH CASE THE BRANCH DUCT SHALL BE SIZED AT A PRESSURE DROP 0.07"W.C. PER 100' OF DUCTWORK.
	FM FOB	FLOW METER FLAT ON BOTTOM	2. UNLESS NOTED OTHERWISE, THE SIZE OF EACH BRANCH DUCT TO AN AIR TERMINAL
	FOT	FLAT ON TOP	MATCH THE INLET SIZE. 3. ALIGN TEMPERATURE SENSORS WITH LIGHT SWITCHES AND WHEN IN CLOSE PROXI
	FS	FLOOR SINK	EACH OTHER. 4. CONTRACTOR MAY REUSE PORTIONS OF EXISTING DUCT PROVIDED SIZES AND PRE
	FSD	FIRE/SMOKE DAMPER	CLASSES ARE CORRECT, DUCT IS THOROUGHLY CLEANED AND FREE OF DEFECTS, A TRANSVERSE JOINTS, LONGITUDINAL SEAMS, AND DUCT WALL PENETRATIONS ARE
	GD	GARBAGE DISPOSER	AS SPECIFIED FOR NEW DUCTWORK.
	GI	GREASE INTERCEPTOR	MECHANICAL GENERAL NOTES:
	HB	HOSE BIBB	
	I.E. LAV	INVERT ELEVATION (FOR REFERENCE ONLY)	THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT L TO, FIRE PROTECTION, PLUMBING, MEDICAL GAS, VENTILATION, PIPING AND TEMPERATU
	MA	LAVATORY MIXED AIR	CONTROL. 1. DRAWINGS SHOWING LOCATIONS OF EQUIPMENT. DUCTWORK. PIPING. ETC. ARE
	MB	MOP BASIN	DIAGRAMMATIC AND MAY NOT ALWAYS REFLECT EXACT INSTALLATION CONDITIONS DRAWINGS SHOW THE GENERAL ARRANGEMENT OF DUCTWORK, PIPING, EQUIPMEN
	МН	MANHOLE	AND MAY NOT INCLUDE ALL OFFSETS AND FITTINGS REQUIRED FOR COMPLETE
	MV	MIXING VALVE	INSTALLATION. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUIL CONSTRUCTION AND THE WORK OF OTHERS WILL PERMIT.
	N.C.	NORMALLY CLOSED	 DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CLEARANCES FROM ARCHITECTURAL, STRUCTURAL, SUBMITTALS, AND OTHER APPROPRIATE DRAWINGS
	NIC	NOT IN CONTRACT	PHYSICALLY AT SITE. REVIEW ALL DRAWINGS, INCLUDING THOSE OF OTHER TRADES 3. COORDINATE ALL WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION TO PRO
	N.O.		CLEARANCES REQUIRED FOR OPERATION, MAINTENANCE, CODE COMPLIANCE, AND VERIFY NON-INTERFERENCE WITH OTHER WORK, DO NOT FABRICATE PRIOR TO
	NT OA	NEUTRALIZATION TANK OUTSIDE AIR	VERIFICATION OF NECESSARY CLEARANCES FOR ALL TRADES. BRING ANY INTERFEI OR CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEE
	OS	OIL SEPARATOR	WITH FABRICATION OR EQUIPMENT ORDERS.
	PS	PRESSURE SWITCH	4. ANY CHANGES REQUIRED TO ELIMINATE CONFLICTS OR THAT RESULT FROM A FAILU COORDINATE SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COST OF
	RA	RETURN AIR	EXPENSE TO OTHERS. 5. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL, TECHNOLOGY
	RD		AUDIO/VISUAL, AND OTHER MECHANICAL PLANS FOR EXACT LOCATIONS OF ALL CEIL MOUNTED DEVICES, OTHER THAN SPRINKLERS.
	SA SCCR	SUPPLY AIR SHORT CIRCUIT CURRENT RATING	 EACH CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY THEIR ACTIONS TO N FLOORS, CEILINGS, AND ROOFS. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE
	SUCR	SMOKE DAMPER	RESPONSIBLE FOR PATCHING TO MATCH ORIGINAL CONSTRUCTION, FIRE RATING, AU
	SH	SHOWER	7. IN AREAS WITH DRYWALL CEILINGS COORDINATE LOCATIONS OF ACCESS PANELS W
	SK	SINK	GC FOR ACCESS TO VALVES, DUCTWORK ACCESSORIES, DAMPERS, ETC. COORDINA PANEL TYPE AND COLOR WITH ARCHITECT. NOTIFY THE GC OF THE REQUIRED ACCE
	SS	SERVICE SINK	PANELS PRIOR TO BIDDING. 8. SEAL ALL WALL PENETRATIONS AIRTIGHT WHERE CONDUITS, PIPING, AND DUCTS
	ТАВ	TERMINAL AIR BOX	PENETRATE. 9. CAULK ALL PIPE AND DUCT PENETRATIONS OF FULL HEIGHT NON-FIRE RATED WALL,
	TD	TRANSFER DUCT	PARTITION, FLOOR, AND ROOF ASSEMBLIES. THIS IS ESSENTIAL TO PREVENT NOISE TRANSMISSION FROM ONE ROOM TO ANOTHER AND TO PROVIDE THE DESIRED NC L
	TP		WITHIN ROOMS.
	TYP		10. DO NOT SUPPORT EQUIPMENT, PIPING, OR DUCTWORK FROM METAL DECKING OR C NON-STRUCTURAL BUILDING ELEMENTS. ANCHORS EMBEDDED IN CONCRETE SHALL
	UB		APPROVED IN ACCORDANCE WITH SPECIFICATIONS.
	UC-1 UON	DOOR UNDERCUT BY OTHERS (1" TYPICAL) UNLESS OTHERWISE NOTES	
	UR	URINAL	MECHANICAL RENOVATION NOTES:
	VTR	VENT THROUGH ROOF	THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LI
	WC	WATER CLOSET	TO, FIRE PROTECTION, PLUMBING, MEDICAL GAS, VENTILATION, PIPING AND TEMPERATU CONTROL.
	wco	WALL CLEANOUT	1. EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD
	WF	WASH FOUNTAIN	SURVEYS, EXISTING BUILDING DOCUMENTS, AND STAFF. VERIFY EXISTING CONDITIO REPORT ANY CONFLICTS BEFORE PROCEEDING.
	WH	WATER HEATER	 NOT ALL EXISTING DUCTWORK AND PIPING IS SHOWN. VERIFY EXISTING CONDITIONS BEFORE STARTING WORK. NOTIFY ENGINEER OF ANY CONFLICTS WITH NEW WORK.
	WMF	WASHING MACHINE FIXTURE	3. FIELD VERIFY THE AVAILABLE CLEARANCES FOR DUCTWORK AND PIPING BEFORE

FIRE PROTECTION SYMBOL LIST					
NOT ALL SYMBOLS MAY APPLY.					
SYMBOL:	DESCRIPTION:				
NO HATCH	LIGHT HAZARD				
►	SPRINKLER - WALL MOUNTED				
Ø					

<section-header> ACCUMUCAL ABBREVIATION CAP ADDE ESCRIPTION ADDE ESCRIPTION ADDE Control ADDE Control Control ADDE Control Control ADDE Control Contro <thcontro< th=""></thcontro<></section-header>	14	13 12 11 10 9	8	7	6	5	4
ABBI: DESCRIPTION: 4 ACCESS DOR 5 BOLCON PRESENCE 6 ACCESS DOR 6 ACCESS DOR 6 ACCESS DOR 7 BOLCON PRESENCE 8 BOLCON PRESENCE 8 BOLCON PRESENCE 8 BOLCON PRESENCE 9 BOLCON PRESENCE		MECHANICAL ABBREVIATION KEY					
ABDR: DESCRIPTION: Add: Accommentation of the second processing of the second procesecond processing of the second processing							
 A. ALDER DOR. ALDER DOR. AL	ABBR:	DESCRIPTION:	1.	CONTRACTOR.	CONTRACTOR SH	HALL VERIFY Q	UANTITIES AND
41 AUC: INSILE LADGE 42 AUC: INSILE LADGE 43 AUC: INSILE LADGE 44 AUC: INSILE LADGE 45 AUC: INSILE LADGE 46 AUC: INSILE LADGE 47 AUC: INSILE LADGE 48 AUC: INSILE LADGE 49 AUC: INSILE LADGE 49 AUC: INSILE LADGE 40 AUC: INSILE LADGE 41 AUC: INSILE LADGE 42 AUC: INSILE LADGE 44 AUC: INSILE LADGE 45 AUC: INSILE LADGE 46 AUC: INSILE LADGE 47 AUC: INSILE LADGE 48 AUC: INSILE LADGE 49 AUC: INSILE LADGE 40 AUC: INSILE LADGE 41 AUC: INSILE LADGE 42 AUC: INSILE LADGE 44 AUC: INSILE LADGE 45 AUC: INSILE LADGE 46 AUC: INSILE LADGE 47 AUC: INSILE LADGE 48 AUC: INSILE LADGE 49 AUC: INSILE LADGE 40 AUC: INSILE LADGE 41 AUC: INSILE LADGE 42 AUC: INSILE LADGE 44 AUC: INSILE LADGE 45 AUC: INSILE LADGE <td>AD</td> <td>ACCESS DOOR</td> <td>2.</td> <td>CENTER SPRIN</td> <td>KLERS IN CEILING</td> <td>TILES IN BOTH</td> <td>I DIRECTIONS II</td>	AD	ACCESS DOOR	2.	CENTER SPRIN	KLERS IN CEILING	TILES IN BOTH	I DIRECTIONS II
 Monta Marchana Monta Marchana<td>AFF</td><td>ABOVE FINISHED FLOOR</td><td></td><td>SPRINKLER HEA</td><td>ADS SHALL BE ALI</td><td>IGNED WITH O</td><td>THER SPRINKLE</td>	AFF	ABOVE FINISHED FLOOR		SPRINKLER HEA	ADS SHALL BE ALI	IGNED WITH O	THER SPRINKLE
 COMMON COMMON			3.	NEW SPRINKLEI	RS SHALL BE QUI	CK RESPONSE	TYPE, UNLESS
00 CMT01 MAN 1				RESPONSE SPR	RINKLERS IN UNPA	ARTITIONED SF	PACES.
General Metabolics Jongen	-						
 CART FINI CART FINI			6.			SHALL BE DES	IGNED TO MEET
0 CLMOUI 0 CLMOUI 0 CLMOUI 0 CLMOUI 0 Demonstration 0 <td></td> <td></td> <td></td> <td>COMPANY STAN</td> <td>NDARDS WHERE A</td> <td>APPLICABLE. T</td> <td>HE MORE STRIN</td>				COMPANY STAN	NDARDS WHERE A	APPLICABLE. T	HE MORE STRIN
Calind and American Ameri	СО	CLEANOUT	7	USED.			
00 JACK 100 JUN 01 JACK 100 JUN 02 JACK 100 JUN 03 JACK 100 JUN 04 JACK 100 JUN 05 JACK 100 JUN 16 JA	CS	CLINICAL SINK	7.	OVERHANGS, S	OFFITS, AND BUIL	DING PROJEC	TIONS. ALL ACC
 Duction # Hosis Duc			8.	WHERE FEASIBI			
 Der G. A.Y. Der Beillung Haussen Structure Der B.Y. Der B. B. Der B.			9.	INSTALL SYSTEI			
OPERATION Internet Network C Definition FA PRAMATERIN PER AR CC Definition FA PRAMATERIN PER AR CC Definition CE Definition CE Definition CE Definition CE Definition Definition Rescuence CE Definition Definition Rescuence CF Definition Definition Rescuence Definitio				CONNECTION.			
 E Destino A Revenue Marchaele AN E Destino Control, TRE SMORE DANFER E Destino Control, TRE SMORE DANFER E Destino Piese Bandle Danfers E Destino Piese Bandle Danfers E Destino Piese Bandle Danfers E Destino Control, TRE SMORE DANFER E DESTINO CONTROL TRE SMORE DANFER 			10		CATION, TYPE AN	D FINISH SHAL	L BE REVIEWED
 La Da Mattrickeer AR Da Mattrickeer AR EE De Bookov Forweit EE De Bookov Forweit Berne Kein Kein Kein Kein Kein Kein Kein Ke			11			PRIOR TO EAC	H AND EVERY D
Local The Control with Control	EA	EXHAUST/RELIEF AIR	12	. THE CONTRACT	OR SHALL PREPA		
End EndSin Relation Water Conserver			10	LOCAL FIRE DEF	PARTMENT PRIOF	R TO ANY INST	ALLATION.
 Person No. Bers Stocker Jahreyer Person No. Bers Stocker Jahreyer Ede Bers Stocker Jahreyer			13	DIAGRAMMATIC	AND MAY NOT A	LWAYS REFLE	CT EXACT INSTA
EP ELECTISCU. TO PRETURE THE NUMBER ED ELECTISCU. TO PRETURE THE NUMBER FOR FLOOR SOURCE GE FLOOR SOURCE GE FLOOR SOURCE SOURCE SOURCE GE FLOOR SOURCE SO				ETC. AND MAY N	NOT INCLUDE ALL	OFFSETS AND	D FITTINGS REQ
La buildaur. 1910/14 Est buildaur. 1910/14							
 ENSING SHADE CAMPER EVENTING SHADE CAMPER EVENTING SHADE CAMPER EVENTING SHADE CAMPER FREID AMPER FREI	ES	EMERGENCY SHOWER	14				
ENC ELECTRIC WATER COOLER TOD FLOOR CLEANDUT TOD FLOOR MALE TOD FLOOR CLEANDUT TLOOR CLEANDUT FLOOR CLEANDUT TOD FLOOR CLEANDUT TOD FLOOR CLEANDUT TLOOR CLEANDUT FLOOR CLEANDUT							
PC0 FLOOR CLEANDUT PC0 FREE DAMPER PC0 FREE DAMPER PC0 FLAT ON BOTTOM PC0 FLAT ON DOTTOM PC0				V			
PD FIRE DAMPER PM FLOW HETER PM FLOW HETER PD FLAT ON EDTOM PD1 FLAT ON EDTOM PD2 FLAT ON EDTOM PD2 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>							
PM FLOW METER PGG P. ALT DN TOD PGG P. ALT DN TOD PGG P. ALT DN TOD PGG FLOOR SINK PGG FLOOR SINK PGG GARTAGE DROPSOR PGG NOT NELSE JELE			1.	(TAB) SHALL MA	TCH THE INLET S	SIZE UNLESS TH	HE BRANCH IS G
 HALOM BALL ORB <				0.07"W.C. PER 1	00' OF DUCTWOR	RK.	
 Control of them Pase FLOOR SINK Pase FLOOR S	FOB	FLAT ON BOTTOM	2.			E SIZE OF EAC	H BRANCH DUC
F5 FLOCK SINK F50 FLOCK SINK F50 FLOCK SINK G0 GARNAGE DEPOSER G1 CREASE INTERCEPTOR H1 H00E ASIN M2 PRESENCE FLOR H1 M2 M2 M2 M3 M00E ASIN M4 MMED AIR M5 M00E ASIN M4 MMED AIR M5 M00E ASIN M4 MMED AIR M5 M2 M6 MAHOLE M5 M00E ASIN M6 MAHOLE M6 MAHOLE M6 M2	FOT	FLAT ON TOP	3.		ATURE SENSORS	WITH LIGHT S	WITCHES AND V
 PHOSAULAE LAWER COL CARACE DIPOSER COREAGE INTERCEPTOR COREAGE INTERCEPTOR CONTRECTOR CONTRE			4.	CONTRACTOR N			
 December 11 Control of the second of the seco				TRANSVERSE J	OINTS, LÓNGITUD	DINAL SEAMS, A	
HB HOSE BIBS LE INVERT ELEVATION (FOR REFERENCE ONLY) VLV LAVATORY MA MIECD AIR MA MIECD AIR MB MOP BASIN MH MANHOLE MV MINIG VALVE NO.C. NORMALLY CLOSED NO.C. NORMALLY CLOSED NO.C. NORMALLY OPEN N.C. NORMALLY OPEN N.T. NEUTRALZATION TANK OA OUTSTOLE AIR N.T. NEUTRALZATION TANK OB SUBPLY AIR SCOR SHOR DEALMARK SINK SHORVER R SD SMOKE DAMPER SH SHKK SH SHKK SH SHKK SH SHKK YP TYPE TYPEICL VIT PIECLANDIT <t< td=""><td></td><td></td><td></td><td>AS SPECIFIED F</td><td>OR NEW DUCTWO</td><td>URN.</td><td></td></t<>				AS SPECIFIED F	OR NEW DUCTWO	URN.	
LE INVERT ELEVATION (FOR REFERENCE ONLY) LAV LAVATORY LAV LAVATORY MA MKED AR MB MOP BASIN MH MAHOLE MH MAHOLE MC NORMALT AND MAY BOL ALL SPECIFICATION SOFE EQUIPMENT DUCTWORE MH MAHOLE MH MAHOLE MN MORRAULY E N.C. NORMALT OLOSED N.C. NORMALT OPEN N.C. NORMALT OPEN N.O. NORMALT OPEN N.O. NORMALT OPEN N.O. NORMALT OPEN SO DI. SEPARATOR COORDINATE CONTROLOCINON INCLOCATION OF NOLESSAMPORES FOR ALL TRADES FOR TO N.O. NORMALT OPEN SO DI. SEPARATOR COORDINATE BAR ARCONTROLOCONTROLOCINON INCLOCATION OF NOLESSAMPORES FOR ALL TRADES FOR TO SO DI. SEPARATOR COORDINATE BAR ARCONTROLOCONTROLOCONTROLOCINON INCLOCATION INCLOCATION INCLOCATION INCLUDES THE CONTRACTOR WITHOUT DEVENSION TO MANNES AND DITTER MARKATORY OF ALL MERCHANDING INCLUDES THE CONTRACTOR WITHOUT DEVENSION TO MANNES AND DITTER MARKATORY OF ALL MERCHANDING INCLUDES THE CONTRACTOR INCLUDES THE CONTRACTORY AND THERESTER TO TO THE SENDING INCLUDES THE CONTRACT				Μ	ECHANIC		
LAV LAVATORY			ТН				
MA MKED AR MB MOP BASIN MV MIXING VALVE MV MIXING VALVE NLC NOT IN CONTRACT SCRCR SCRCR SHORT CONCE DAMARES REQUIRED TO CONCRETEND CONTRACTOR MURPHY CONCRETEND CONTRACTOR MURPHY CONCRETEND CONTRACTOR CON					ON, PLUMBING, M	IEDICAL GAS, \	/ENTILATION, P
MB MOP DASN MH MAHHOLE MV MXRN0 VALVE NV MXRN0 VALVE NC NORMALLY CLOSED NC NORMALLY CLOSED NC NORMALLY OLOSED NC NORMALLY OLOSED ND NORMALLY OLOSED ND NORMALLY OLOSED ND NORMALLY OPEN SO OLI SEPARATOR AD COMPLICTS INFORMATION OF HEARCHTECTERION SO OLI SEPARATOR SO OLI SEPARATOR SO OLI SEPARATOR SD SOOF DRAIN SD SHORE DAMPER SH SHORE DAMPER	MA	MIXED AIR		DRAWINGS SHC			
MV MXRING VALVE NC NORMALLY SLOSED NIC NORMALLY OPEN NORMALLY OPEN CONSTRUCTION AND THE WORK SUBJECT OUTSIDE AIR CONSTRUCTION CONSTRUCTIO	MB	MOP BASIN			_		
N.C. NORMALLY CLOSED NC. NOT IN CONTRACT NO. NORMALLY CLOSED NO. NORMALLY CLOSED NO. NORMALLY CLOSED NO. NORMALLY OPEN NT NEUTRALZATION TANK OJ SEPARATOR CORDINATE CONTRACT ON THE ACCHIECTORY CLEARACES FROM TO CONTROLLY OF INCESSION FOR ALL TRADES FROM TO CONTROLLY AT SITE REVIEW ALL DRAWINGS, INCLUING THE PRESSURE SWITCH PS PRESSURE SWITCH PA RETURN AR PA RETURN AR SCCR SHORT CIRCUIT CURRENT RATING SK SINK SH SHOWER SS SERVICE SINK TD TRANSFER DUCT TRANSFER DUCT CARL CLEMOS, AND PORCE RADING THE CONTRACTOR WHOSE PRESSING TP TRANSFER DUCT TP TRANSFE		MANHOLE					
N.C. NORMALLY CUSSED N.C. NORMALLY CUSSED N.C. NORMALLY COPEN N.O. NORMALLY OPEN N.T. NEUTRALZATION TANK OL SEPARATOR Call Contract OA OUTSIDE AIR PRESURE SWITCH REPEND AND RA REPTION OF INE ADMITHER SHOLLES MADELECT TO THE ATERNON OF INE ADMITHER SHOLLES MADELECT TO THE ATERNON OF INE ADMITHER SHOLLES PLANE AND COLOR WITHON OT THE ADMITHER SHOLLES PLANE AND COLOR WITH ALL OTHER ADMITHER SHOLLES PLANE AND COLOR WITH ALL OTHER ADMITHER ADMITHER ADMITHER ADMITHON OTHADMITHER ADMITHER ADMITHER ADMITHER ADMITHER ADMITHER ADMIT			2.				
N.O. NORMALLY OPEN COORDINATE ALL WORK WITH ALL OTHER TRADES PRIOR TO CLEARANCES REQUIRED FOR OPERATION, MAINTENNANCE, CO CLEARANCES REQUIRED FOR OPERATION, MAINTENNANCE, CO CLEARANCES REQUIRED FOR OPERATION, MAINTENNANCE, CO CLEARANCES REQUIRED FOR OPERATION, MAINTENNANCE, CO VERIEV NON-ATTERFERENCE WITH OTHER WORK, DO NOT AC VERIEV NAME SO SORT CIRCUIT CURRENT RATING SERVICE SINK SERVICE SINK SERVICE SINK STAB TERMINAL AIR BOX CO FOR ACCESS TO WITH ARCHITECT. NOTIFY THE GO VERIEV NEW WITH WORK WARK ACCESSORIES, DA VERIEV NON-ATTEOTIVE NO ATCH ORIGINAL CONSTRU- FINISH- UNC THENNER TYP TYP TYPICAL SERVICE SINK UNC THENERSER DUCT SERVICE SINK TYP TYP TYPICAL SERVICE SINK UNC UNDERCUT BY OTHERS (I' TYPICAL) SERVICE SINK UNC UNDERCUT BY OTHERS (I' TYPICAL) SERVICE SINK WITHIN ROOMS SER				ARCHITECTURA	L, STRUCTURAL,	SUBMITTALS, A	AND OTHER API
NT NEUTRALIZATION TANK VERIEY NON-INTERPRENCE WITH OTHER WORK DO NOT ARK OA OUTSIDE AR VERIEY CONTACTOR VIDES OS OL SEPARATOR WERIEY CONTACTOR VIDES PS PRESSURE SWITCH CONTACTOR VIDERS RA RETURN AIR ANY CHANGES REQUIRED TO ELIMINATE CONFLICTS OR THAT CD ROOF DRAIN WITH ARRECATION OR DESPONSILE FOR ALL TRADES SA SUPPLY AIR SECONTRACTOR WITHOUTER MICHANCES TO ALL TRADES SA SUPPLY AIR SECONTRACTOR VIDENCES SD SMOKE DAMEER SMOKE DAMER SH SHORT ORCUT CURRENT RATING SECONTRACTOR VIDENCES, OTHER THAN SPRINKLIERS SH SHORE ORCUT CURRENT RATING SECONTRACTOR VIDENCES, CONTRACTOR VIDENCE SH SHORE ORCUT CURRENT RATING SECONTRACTOR VIDENCES SH SHORE ORCUT CURRENT RATING SECONTRACTOR VIDENCE SH SHORE ORCUT CURRENT RATING SECONTRACTOR VIDENCE TD TRANSFER DUCT TRANSFER DUCT SECONTRACTOR VIDENCE TD TRANSFER DUCT SECONTRACTOR VIDENCE SECONTRACTOR VIDENCE TP TRAP PRIMER SECONTRACTOR VIDENCE SECONTRACTOR VIDENCE URINAL URINAL SECONTRACTOR VIDENCE SECONTRACTOR VIDENCE TP TRAP PRIMER SECONTRACTOR VID			3.	COORDINATE A	LL WORK WITH AI	LL OTHER TRA	DES PRIOR TO I
OA OUTSIDE AIR OS OL SEPARATOR OR CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENDIN WITH FARICATION CREDURED TO DELIMINATE CONFLICTS OR THAT CORDINATE SHALL BE MADE BYT THE CONTRACTOR WITHOU EXPENSE TO DELIMINATE CONFLICTS OR THAT CORDINATE SHALL BE MADE BYT THE CONTRACTOR WITHOU EXPENSE TO DARMER CONTRACTOR WITHOU EXPENSE TO ARCHITECTURAL REFLECTED CELLING PLAN. ELECT ADDITIONATE SHALL BE MADE BYT THE CONTRACTOR WITHOU EXPENSE TO ARCHITECTURAL REFLECTED CELLING PLAN. ELECT ADDITIONATE SHALL BE MADE BYT THE CONTRACTOR WITHOU EXPENSE TO ARCHITECTURAL REFLECTED CELLING PLAN. ELECT ADDITIONATE SHALL BE MADE BYT THE CONTRACTOR WITHOU EXPENSE TO ARCHITECTURAL REFLECTED CELLING PLAN. ELECT ADDITIONATES SHALL BE MADE STATE SH SHOWER SH SK SHOKE DAMPER SH SK SINK SH SK SINK TAB TERMINAL AIR BOX TP TRANSFER DUCT TP TRAP PRIMER UC-1 DOR UNDERCUT BY OTHERS (1' TYPICAL) UC DOR ON DERCUT BY OTHERS (1' TYPICAL) UC DOR NUNDERCUT BY OTHERS (1' TYPICAL) UR URINAL WR WATER CLOSET WW WATER CLOSET WW WATER NOUTIAN WM WATER ROTIONE FIXTURE WW WATER SOFTENER WW <td></td> <td></td> <td></td> <td>VERIFY NON-INT</td> <td>FERFERENCE WIT</td> <td>TH OTHER WOR</td> <td>RK. DO NOT FAE</td>				VERIFY NON-INT	FERFERENCE WIT	TH OTHER WOR	RK. DO NOT FAE
01. SET WATCH PS PRESSURE SWITCH PS PRESSURE SWITCH RA RETURN AIR RD ROOF DRAIN SA SUPPLY JR SA SUPPLY JR SD SMOKE DAMPER SD SMOKE DAMPER SD SMOKE DAMPER SD SMOKE DAMPER SH SHOWER SH SHOWER SH SHOWER SK SINK SH SHOWER SK SINK TO TRANSFER DUC1T TRANSFER DUCT SERVICE SINK TP TRANSFER DUCT UR UTILITY BOX UC-1 DOOR UNDERCUT BY OTHERS (1" TYPICAL) UN UNESS OTHERWISE NOTES UR WATER CONFL WF WASH FOULTAIN WF WASH FOULTAIN WF WASH FOULAL WM						-	-
RA RETURN AIR EXPENSE TO OTHERS. ROOF DRAIN SUPPLY AIR SECREST O ACHITECTURAL REFLECTED CELLING PLAN. ELECT AUDION/SUAL, AND OTHER MECHANICAL PLANS PROR EXACT LAUDON/SUAL, AND OTHER MECHANICAL PLANS PROR EXACT LAUDON, SUBJECT COLLINGS, AND PROR EXACT LEURS, AND PROR EXACT L	OS	OIL SEPARATOR	4.				LICTS OR THAT
RA RELIGNATING SD ROOF DRAIN SA SUPPLY AIR SCCR SHORT CIRCUIT CURRENT RATING SD SMOKE DAMPER SH SHOWER SH SHOWER SK SINK TAB TERMINAL ARE BOX TAB TERMINAL ARE BOX TAB TERMINAL ARE BOX TP TRAP REMER TYP TYPICAL UCOL UNILERS OTHERWISE NOTES UGA UNILESS OTHERWISE NOTES UR UNILESS OTHERWISE NOTES WC WATER CLOSET WH WATER RECLEANCE WH WATER RECLEANCE <						Y THE CONTRA	CTOR WITHOU
SA SUPPLY AR MOUNTED DEVICES, OTHER THAN SPRINKLERS SCCR SHORT CIRCUIT CURRENT RATING EACH CONTRACTOR IN ESPONSIBLE FOR PARAGE CAUSED I FLOORS, CEILINGS, AND ROOPS, THE CONTRACTOR WHOSE W RESPONSIBLE FOR PARAGE CAUSED I FLOORS, CEILINGS, AND ROOPS, THE CONTRACTOR WHOSE W RESPONSIBLE FOR PARAGE CAUSED I FLOORS, CEILINGS, AND ROOPS, THE CONTRACTOR WHOSE W RESPONSIBLE FOR PARAGE CAUSED I FLOORS, CEILINGS, AND ROOPS, THE CONTRACTOR WHOSE W RESPONSIBLE FOR PARAGE CAUSED I FLOORS, CEILINGS, AND ROOPS, THE CONTRACTOR WHOSE W RESPONSIBLE FOR PARATENT ON ATCH ORIGINAL CONSTRU FINSH. SM SINK FLARAS WITH DRYWALL CEILINGS COORDINATE LOCATIONS GC FOR ACCESS TO VALVES, DUCTWORK ACCESSORIES, DAM PAREL TYPE AND CLOUR WITH ARCHITECT. NOTIFY THE GC O PARELS PRIOR ROOM ONE ROOM TO ANOTHER AND TO PROV WITY TYPICAL UGN UTILITY BOX SEAL ALL PIE AND ONCE ROOM TO ANOTHER AND TO PROV WITY WEITHROUGH ROOF UR URINAL WITE REMISE NOTES UR URINAL WITE REATER WW WATER HEATER MECHANNICAL SHEETS AND TRACES, NOT ALL EXISTING BULDING DOCLIMENTS, AND ORS READED NOT ALL EXISTING BULDING DOCLIMENTS, AND ORS SHOEDED CONTROL. WMF WASH FOUNTAIN WATER HEATER WMF WASHING MACHINE FIXTURE WATER METER NOT ALL			5.	REFER TO ARCH	HITECTURAL REFI		
SCCRSHORT CIRCUIT CURRENT RATINGFLOORS, CELINGS, AND ROOPS. THE CONTRACTOR WHOSE Y RESPONSIBLE FOR PATCHING TO MATCH ORIGINAL CONSTRU FINISH.SDSMOKE DAMPERFLOORS, CELINGS, AND ROOPS. THE CONTRACTOR WHOSE Y RESPONSIBLE FOR PATCHING TO MATCH ORIGINAL CONSTRU FINISH.SHSHOWERSINKSKSINKSINKSSSERVICE SINKSERVICE SINKTABTERMINAL AIR BOXS. SEAL ALL WALL PENETRATIONS AIRTIGHT WHERE CONDUITS, PANELS PRIOR TO BIDDING.TDTRANSFER DUCTS. SEAL ALL WALL PENETRATIONS AIRTIGHT WHERE CONDUITS, PAREITRATE.TPTRAP PRIMERS. CALLK ALL PIPE AND DUCT PENETRATIONS AIRTIGHT WHERE CONDUITS, PAREITRATE.UC-1DOOR UNDERCUT BY OTHERS (1* TYPICAL)S. DONOT SUPPORT EQUIPMENT, PIPING, OR DUCTWORK ROMS.URURINALURINALVIRVENT THROUGH ROOFTHESE NOTESURURINALSASTING TRONG ARE ROOVED TO NOTRACTOR WITCH, PROVED IN ACCORDANCE WITH SPECIFICATIONS.WCWATER CLOSETTHESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRACTOR, CONTROL.WFWASH FOUNTAINTHESE NOTES APPLY TO ALL MECHANICAL SHETS AND TRACTOR, STON FIRCO WORK. NOTIFY ENDINEER OF ANY CONFR.WHWATER RETERSHOWIN ACHINE FIXTUREWHWATER RETERNOT ALL EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION SURVEYS, EXISTING BUILDING DOCUMENTS, AND STAFT. VERI REPORT TANY CONFLICTS BEFORE PROCEEDING.WMFWASHING MACHINE FIXTURENOT ALL EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION SURVEYS, EXISTING BUILTORD RANY DE NECESSARY BECAU ON TALL EXISTING DUCTWORK AND PIPING IS SH			6	MOUNTED DEVI	CES, OTHER THA	N SPRINKLERS	S.
SD SMOKE DAMPER SH SHOWER SH SHOWER SH SHOWER SK SINK SK SINK SS SERVICE SINK TAB TERMINAL AIR BOX TD TRANSFER DUCT TP TRAP PRIMER UT TYPE TRAP PRIMER UC-1 DOOR UNDERCUT BY OTHERS (1" TYPICAL) UO UNLESS OTHERWISE NOTES UC-1 DOOR UNDERCUT BY OTHERS (1" TYPICAL) UO UNLESS OTHERWISE NOTES UR URINAL VTR VENT THROUGH ROOF WF WASH FOUNTAIN WF WASH FOUNTAIN WMF WATER HEATER WMF WATER MEETER WMF WATER MEETER WS WATER SOFTENER WS WATER REFER WS WATER REFERER WS <t< td=""><td>SCCR</td><td>SHORT CIRCUIT CURRENT RATING</td><td>0.</td><td>FLOORS, CEILIN</td><td>IGS, AND ROOFS.</td><td>THE CONTRAC</td><td>CTOR WHOSE W</td></t<>	SCCR	SHORT CIRCUIT CURRENT RATING	0.	FLOORS, CEILIN	IGS, AND ROOFS.	THE CONTRAC	CTOR WHOSE W
SIN SINVER SIN SINK SINK SINK SS SERVICE SINK TAB TERMINAL AIR BOX TD TRANSFER DUCT TP TRAP PRIMER TP TRAP PRIMER UC-1 DOOR UNDERCUT BY OTHERS (1" TYPICAL) UB UTILITY BOX UC-1 DOOR UNDERCUT BY OTHERS (1" TYPICAL) UN UNLESS OTHERWISE NOTES UR URINAL VTR VENT THROUGH ROOF WC WATER CLOSET WC WATER CLOSET WF WASH FOUNTAIN WF WASH FOUNTAIN WMF WASHING MACHINE FIXTURE WMF WASHING MACHINE FIXTURE WMF WATER ROFTENER WS WATER ROFTENER WS WATER ROFTENER WS WATER ROFTENER YCO YARD CLEANOUT WG WATER ROFTENER YCO YARD CLEANOUT WATER ROFTENER SERVICE STATURE WS WATER ROFTENER YCO YARD C	SD	SMOKE DAMPER		FINISH.			
SSSERVICE SINKPANELS PRIOR TO BIDDING.TABTERMINAL AIR BOX8. SEAL ALL WALL PENETRATIONS ARTIGHT WHERE CONDUTS, PENETRATE.TDTRANSFER DUCTPARTITION, FLOOR, AND ROOF ASSEMBLIES. THIS IS ESSENTIA TRANSMISSION FOW ONE ROOM TO ANOTHER AND TO PROV WITHIN ROOMS.TPTRAP PRIMER9. CAULK ALL PIPE AND DUCT PENETRATIONS OF FULL HEIGHT N PARTITION, FLOOR, AND ROOM TO ANOTHER AND TO PROV WITHIN ROOMS.TVPTYPICAL9. CAULK ALL PIPE AND DUCT PENETRATIONS OF FULL HEIGHT N PARTITION, FLOOR AND ROOM TO ANOTHER AND TO PROV WITHIN ROOMS.UC-1DOOR UNDERCUT BY OTHERS (1" TYPICAL)10. DO NOT SUPPORT EQUIPMENT, PIPING, OR DUCTWORK FROM NON-STRUCTURAL BUILDING ELEMENTS. ANCHORS EMBEDDE APPROVED IN ACCORDANCE WITH SPECIFICATIONS.UC-1DOOR UNDERCUT BY OTHERS (1" TYPICAL)0. DO NOT SUPPORT EQUIPMENT, PIPING, OR DUCTWORK FROM NON-STRUCTURAL BUILDING ELEMENTS. ANCHORS EMBEDDE APPROVED IN ACCORDANCE WITH SPECIFICATIONS.UCURINALVTRVENT THROUGH ROOFTHESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES. TO, FIRE PROTECTION, PLUMBING, MEDICAL GAS, VENTILATION, PLWCWATER CLOSETCONTROL1. EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION SURVEYS, EXISTING BUILDING DOCLEMENTS, AND STAFF. VERIWFWASH FOUNTAIN1. EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION SURVEYS, EXISTING BUILDING DOCLEMENTS, AND CHORD REPORT ANY CONFLICTS BEFORE PROCEEDING.WMFWASHING MACHINE FIXTURE2. NOT ALL EXISTING OUCHWORK AND ALBULE CLEARANCES FOR DUCTWORK AND SHOULTWORK MORTHY ALBULE CLEARANCES FOR DUCTWORK AND SHALL NOTIFY THE AXALLABLE CLEARANCES FOR DUCTWORK AND SHALL NOTIFY THE AXALLABLE CLEARA			7.	GC FOR ACCES	S TO VALVES, DU	CTWORK ACC	ESSORIES, DAM
TABTERMINAL AIR BOXTDTRANSFER DUCTTPTRAP PRIMERTVPTYPICALUBUTILITY BOXUC-1DOOR UNDERCUT BY OTHERS (1" TYPICAL)UONUNLESS OTHERWISE NOTESURURINALVTRVENT THROUGH ROOFWCWATER CLOSETWCWATER CLOSETWFWASH FOUNTAINWFWASH FOUNTAINWFWASHING MACHINE FIXTUREWMWATER METERWMWATER RETERWMWATER RETERWMWATER RETERWMWATER METERWMWATER METERWSWATER SOFTENERWSWATER SOFTENERWS </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>RCHITECT. NO</td> <td>TIFY THE GC OI</td>						RCHITECT. NO	TIFY THE GC OI
 CAULK ALL PIPE AND DUCT PENETRATIONS OF FULL HEIGHT N TANSFER DUCT TRANSFER DUCT TRANSFER DUCT TP TRANSFER DUCT TP TRAP PRIMER UTILITY BOX UC-1 DOOR UNDERCUT BY OTHERS (1" TYPICAL) UON UNLESS OTHERWISE NOTES UR URINAL VTR VENT THROUGH ROOF WC WATER CLOSET WCO WALL CLEANOUT WASH FOUNTAIN WATER HEATER WMF WASHING MACHINE FIXTURE WMF WASHING MACHINE FIXTURE WMF WATER METER EACH CONTRACTOR SMALL FIELD VERIFY ACCESSIBILITY TO TO SHALL NOTIFY THE GENERAL CONTRACTOR PRIOR TO BIDDING CONTROL ON SALL NOTIFY THE GENERAL CONTRACTOR PRIOR TO BIDDING AND CONTRACTOR PRIOR TO BIDDING RECED TO ALLOW ACCE EACH CONTRACTOR SMALL FIELD VERIFY ACCESSIBILITY TO TO SHALL NOTIFY THE GENERAL CONTRACTOR PRIOR TO BIDDING AND PROPED AND CONTRACTOR PRIOR TO BIDDING RECOVER TO TAKE ON THE SAME THE SA			8.		PENETRATIONS /	AIRTIGHT WHE	RE CONDUITS,
TPTRAP PRIMERTYPTYPICALUBUTILITY BOXUC-1DOOR UNDERCUT BY OTHERS (1* TYPICAL)UNUNLESS OTHERWISE NOTESURURINALVTRVENT THROUGH ROOFWCWATER CLOSETWCOWALL CLEANOUTWFWASH FOUNTAINWFWASH FOUNTAINWMFWASHING MACHINE FIXTUREWMFWASH FOUNTAINWMFWASH FOUNTAINWMFWASH SOFTENERWSWATER SOFTENERWSWATER SOFTENERWSWATER SOFTENERWSWATER SOFTENERWSWATER SOFTENERSWATER SOFTENERWSWATER SOFTENERSWATER SOFTENERSWATER SOFTENERSWATER SOFTENERSWATER SOFTENERSWATER SOFTENERSSSWATER SOFTENERSSSWATER SOFTENERSS <td></td> <td></td> <td>9.</td> <td>CAULK ALL PIPE</td> <td></td> <td></td> <td></td>			9.	CAULK ALL PIPE			
TYPTYPICAL10. DO NOT SUPPORT EQUIPMENT, PIPING, OR DUCTWORK FROM NON-STRUCTURAL BUILDING ELEMENTS, ANCHORS EMBEDDE APPROVED IN ACCORDANCE WITH SPECIFICATIONS.UC-1DOOR UNDERCUT BY OTHERS (1" TYPICAL)000000000000000000000000000000000				TRANSMISSION	FROM ONE ROOM		
UB UTILITY BOX APPROVED IN ACCORDANCE WITH SPECIFICATIONS. UC-1 DOOR UNDERCUT BY OTHERS (1" TYPICAL) MECHANICAL RENOVATION UN UNLESS OTHERWISE NOTES MECHANICAL RENOVATION UR URINAL THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, TO, FIRE PROTECTION, PLUMBING, MEDICAL GAS, VENTILATION, P CONTROL. WC WATER CLOSET THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, TO, FIRE PROTECTION, PLUMBING, MEDICAL GAS, VENTILATION, P CONTROL. WF WASH FOUNTAIN I. EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION SURVEYS, EXISTING BUILDING DOCUMENTS, AND STAFF. VERI REPORT ANY CONFLICTS BEFORE PROCEEDING. WMF WASHING MACHINE FIXTURE 2. NOT ALL EXISTING DUCTWORK AND PIPING IS SHOWN. VERIFY BEFORE STARTING WORK. NOTIFY ENGINEER OF ANY CONFLICT WORK, NOTIFY ENGINEER OF ANY CONFLUX WMF WATER METER 3. FIELD VERIFY THE AVAILABLE CLEARANCES FOR DUCTWORK, FABRICATION. RISES AND DROPS MAY BE NECESSARY BECAU CONDITIONS. WS WATER SOFTENER 4. EACH CONTRACTOR PRIOR TO BIDDING REQUIRED TO BE REMOVED OR RELOCATED VAILED VERIFY ACCESSIBILITY TO T SHALL NOTIFY THE GENERAL CONTRACTOR PRIOR TO BIDDING REQUIRED TO BE REMOVED OR RELOCATED TO ALLOW ACCE YCO YARD CLEANOUT 5. THE GENERAL CONTRACTOR SIDE TO ALLOW ACCE	TYP	TYPICAL	10	. DO NOT SUPPO	RT EQUIPMENT, F		
UONUNLESS OTHERWISE NOTESURURINALVTRVENT THROUGH ROOFWCWATER CLOSETWCOWALL CLEANOUTWFWASH FOUNTAINWHWATER HEATERWMFWASHING MACHINE FIXTUREWMWATER METERWSWATER SOFTENERYCOYARD CLEANOUTUREACLE AND TARDESWGWATER METERWMWATER METERWMWATER METERWSWATER SOFTENERYCOYARD CLEANOUTWSWATER SOFTENERYCOYARD CLEANOUTWSWATER SOFTENERYCOYARD CLEANOUTWSWATER SOFTENERYCOYARD CLEANOUTWSWATER SOFTENERYCOYARD CLEANOUTWSWATER SOFTENERYCOYARD CLEANOUTWSWATER SOFTENERYCOYARD CLEANOUTYCOYARD CLEANOUTYCO<	UB	UTILITY BOX					
URURINALMECHANICAL RENOVATIONVTRVENT THROUGH ROOFTHESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, TO, FIRE PROTECTION, PLUMBING, MEDICAL GAS, VENTILATION, P CONTROL.WC0WALL CLEANOUT1. EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION SURVEYS, EXISTING BUCTWORK AND PIPING IS SHOWN. VERIF BEFORE TARY CONFLICTS BEFORE PROCEEDING.WHWATER HEATER2. NOT ALL EXISTING DUCTWORK AND PIPING IS SHOWN. VERIF BEFORE STARTING WORK. NOTIFY ENGINEER OF ANY CONFLICWMWATER METER3. FIELD VERIFY THE AVAILABLE CLEARANCES FOR DUCTWORK, FABRICATION. RISES AND DROPS MAY BE NECESSARY BECAU CONDITIONS.WSWATER SOFTENER4. EACH CONTRACTOR SHALL FIELD VERIFY ACCESSIBILITY TO T SHALL NOTIFY THE GENERAL CONTRACTOR PRIOR TO BIDDIN REQUIRED TO BE REMOVED OR RELOCATED TO ALLOW ACCE S. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CUTTING, ROOFS, WALLS, AND FLORSA ASSOCIATED WITH WORK BY AL	UC-1	DOOR UNDERCUT BY OTHERS (1" TYPICAL)					
URURINALVTRVENT THROUGH ROOFWCWATER CLOSETWCOWALL CLEANOUTWFWASH FOUNTAINWHWATER HEATERWMFWASHING MACHINE FIXTUREWMWATER SOFTENERWSWATER SOFTENERYCOYARD CLEANOUTUSYARD CLEANOUTUS<	UON	UNLESS OTHERWISE NOTES		ME	CHANICA		
WCWATER CLOSETTO, FIRE PROTECTION, PLUMBING, MEDICAL GAS, VENTILATION, PWCOWALL CLEANOUT1. EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION SURVEYS, EXISTING BUILDING DOCUMENTS, AND STAFF. VERI REPORT ANY CONFLICTS BEFORE PROCEEDING.WHWATER HEATER2. NOT ALL EXISTING DUCTWORK AND PIPING IS SHOWN. VERIFY BEFORE STARTING WORK. NOTIFY ENGINEER OF ANY CONFLIC WMFWMFWASHING MACHINE FIXTURE3. FIELD VERIFY THE AVAILABLE CLEARANCES FOR DUCTWORK AND PABRICATION. RISES AND DROPS MAY BE NECESSARY BECAU CONDITIONS.WMWATER SOFTENER4. EACH CONTRACTOR SHALL FIELD VERIFY ACCESSIBILITY TO T SHALL NOTIFY THE GENERAL CONTRACTOR PRIOR TO BIDDINI REQUIRED TO BE REMOVED OR RELOCATED TO ALLOW ACCE STALL S, AND FLOORS ASSOCIATED WITH WORK BY ALL							
WCOWALL CLEANOUTI. EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION SURVEYS, EXISTING BUILDING DOCUMENTS, AND STAFF. VERI REPORT ANY CONFLICTS BEFORE PROCEEDING.WHWATER HEATER1. EXISTING DUCTWORK AND PIPING IS SHOWN. VERIFY BEFORE STARTING WORK. NOTIFY ENGINEER OF ANY CONFLIC SHALL PIPING IS SHOWN. VERIFY BEFORE STARTING WORK. NOTIFY ENGINEER OF ANY CONFLIC SHALL STARTING WORK. NOTIFY ENGINEER OF ANY CONFLIC SHALL NOTIFY THE AVAILABLE CLEARANCES FOR DUCTWORK AND FABRICATION. RISES AND DROPS MAY BE NECESSARY BECAU CONDITIONS.WMWATER METER3. FIELD VERIFY THE AVAILABLE CLEARANCES FOR DUCTWORK AND FABRICATION. RISES AND DROPS MAY BE NECESSARY BECAU CONDITIONS.WSWATER SOFTENER4. EACH CONTRACTOR SHALL FIELD VERIFY ACCESSIBILITY TO T SHALL NOTIFY THE GENERAL CONTRACTOR PRIOR TO BIDDING REQUIRED TO DE REMOVED OR RELOCATED TO ALLOW ACCEYCOYARD CLEANOUT5. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CUTTING, ROOFS, WALLS, AND FLOORS ASSOCIATED WITH WORK BY ALL			тс	, FIRE PROTECTI			
WFWASH FOUNTAINWHWATER HEATERWHWASHING MACHINE FIXTUREWMFWASHING MACHINE FIXTUREWMWATER METERWSWATER SOFTENERYCOYARD CLEANOUTYCOYARD CLEANOUTSURVEYS, EXISTING BUILDING DOCUMENTS, AND STAFF. VERI REPORT ANY CONFLICTS BEFORE PROCEEDING.YFWASHING MACHINE FIXTUREWMWATER METERYCOYARD CLEANOUTSURVEYS, EXISTING BUILDING DOCUMENTS, AND STAFF. VERI REPORT ANY CONFLICTS BEFORE PROCEEDING.YCOYARD CLEANOUTSURVEYS, EXISTING DUCTWORK AND PIPING IS SHOWN. VERIFY BEFORE STARTING WORK. NOTIFY ENGINEER OF ANY CONFLICYCOYARD CLEANOUTYCOYARD C					ITIONS ARE SHO	WN BASED ON	INFORMATION
WHWATER HEATER2.NOT ALL EXISTING DUCTWORK AND PIPIOLE IN SHOWN. VERIFY BEFORE STARTING WORK. NOTIFY ENGINEER OF ANY CONFLU BEFORE STARTING WORK. NOTIFY ENGINEER OF ANY CONFLU OWN WATER METER2.NOT ALL EXISTING DUCTWORK AND PIPIOLE IN SHOWN. VERIFY BEFORE STARTING WORK. NOTIFY ENGINEER OF ANY CONFLU CONDITION. RISES AND DROPS MAY BE NECESSARY BECAU CONDITIONS.WSWATER SOFTENER4.EACH CONTRACTOR SHALL FIELD VERIFY ACCESSIBILITY TO T SHALL NOTIFY THE GENERAL CONTRACTOR PRIOR TO BIDDING REQUIRED TO BE REMOVED OR RELOCATED TO ALLOW ACCEYCOYARD CLEANOUT5.THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CUTTING, ROOFS, WALLS, AND FLOORS ASSOCIATED WITH WORK BY ALL				SURVEYS, EXIS	TING BUILDING DO	OCUMENTS, AN	ND STAFF. VERI
WMFWASHING MACHINE FIXTURE3. FIELD VERIFY THE AVAILABLE CLEARANCES FOR DUCTWORK A FABRICATION. RISES AND DROPS MAY BE NECESSARY BECAU CONDITIONS.WMWATER METER3. FIELD VERIFY THE AVAILABLE CLEARANCES FOR DUCTWORK A FABRICATION. RISES AND DROPS MAY BE NECESSARY BECAU CONDITIONS.WSWATER SOFTENER4. EACH CONTRACTOR SHALL FIELD VERIFY ACCESSIBILITY TO T SHALL NOTIFY THE GENERAL CONTRACTOR PRIOR TO BIDDING REQUIRED TO BE REMOVED OR RELOCATED TO ALLOW ACCEYCOYARD CLEANOUT5. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CUTTING, ROOFS, WALLS, AND FLOORS ASSOCIATED WITH WORK BY AL			2.	NOT ALL EXISTI	NG DUCTWORK A	ND PIPING IS S	SHOWN. VERIFY
WMWATER METERCONDITIONS.WSWATER SOFTENER4. EACH CONTRACTOR SHALL FIELD VERIFY ACCESSIBILITY TO T SHALL NOTIFY THE GENERAL CONTRACTOR PRIOR TO BIDDING REQUIRED TO BE REMOVED OR RELOCATED TO ALLOW ACCEYCOYARD CLEANOUT5. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CUTTING, ROOFS, WALLS, AND FLOORS ASSOCIATED WITH WORK BY AL			3.	FIELD VERIFY TI	HE AVAILABLE CL	EARANCES FC	R DUCTWORK
YCO YARD CLEANOUT SHALL NOTIFY THE GENERAL CONTRACTOR PRIOR TO BIDDING YCO YARD CLEANOUT SHALL NOTIFY THE GENERAL CONTRACTOR PRIOR TO BIDDING REQUIRED TO BE REMOVED OR RELOCATED TO ALLOW ACCE REQUIRED TO BE REMOVED OR RELOCATED TO ALLOW ACCE 5. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CUTTING, ROOFS, WALLS, AND FLOORS ASSOCIATED WITH WORK BY ALLOW	WM	WATER METER		CONDITIONS.			
YCO YARD CLEANOUT REQUIRED TO BE REMOVED OR RELOCATED TO ALLOW ACCE 5. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CUTTING, ROOFS, WALLS, AND FLOORS ASSOCIATED WITH WORK BY AL			4.	SHALL NOTIFY T	THE GENERAL CO	NTRACTOR PF	RIOR TO BIDDING
ROOFS, WALLS, AND FLOORS ASSOCIATED WITH WORK BY AL	YCO	YARD CLEANOUT	5	REQUIRED TO B	BE REMOVED OR I	RELOCATED T	O ALLOW ACCE
				ROOFS, WALLS,	, AND FLOORS AS	SOCIATED WIT	TH WORK BY AL

15

- FLICTS WITH NEW WORK. RK AND PIPING BEFORE CAUSE OF EXISTING FIELD
- D THE AREA OF THEIR WORK AND DING IF OTHER UTILITIES ARE CCESS TO THEIR AREA OF WORK. IG, REMOVAL AND PATCHING OF Y ALL CONTRACTORS. CONTRACTORS SHALL NOTIFY THE GC OF AFFECTED AREAS PRIOR TO BIDDING] [EACH CONTRACTOR SHALL CUT AND PATCH ROOFS, WALLS, AND FLOORS ASSOCIATED WITH
- THEIR WORK. 6. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF CEILINGS, CEILING TILES, AND CEILING GRIDS ASSOCIATED WITH AREAS OF WORK BY ALL CONTRACTORS. NOTIFY THE GENERAL CONTRACTOR OF AFFECTED AREAS PRIOR TO
- BIDDING. 7. WHERE EXISTING MECHANICAL SYSTEMS ARE LOCATED IN AREAS THAT CONFLICT WITH NEW EQUIPMENT, PIPING, OR DUCTWORK TO BE INSTALLED, EACH CONTRACTOR SHALL EITHER ARRANGE NEW EQUIPMENT, PIPING, OR DUCTWORK IN SUCH A FASHION THAT IT DOES NOT CONFLICT WITH EXISTING SYSTEMS, OR REWORK EXISTING MECHANICAL SYSTEMS TO ALLOW FOR INSTALLATION OF NEW EQUIPMENT, PIPING, OR DUCTWORK.
- 8. PROVIDE TEMPORARY CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION. MAINTAIN ACCESS TO EXISTING MECHANICAL INSTALLATIONS THAT REMAIN ACTIVE. 9. OBTAIN PERMISSION FROM OWNER BEFORE SHUTTING DOWN ANY SYSTEM FOR ANY
- REASON. MAINTAIN SERVICE TO ALL COMPONENTS THAT ARE TO REMAIN UNTIL NEW SYSTEMS ARE INSTALLED.
- 10. MAINTAIN EXISTING SYSTEM IN SERVICE UNTIL NEW SYSTEM IS COMPLETE AND READY FOR TIE IN AND SWITCHOVER. DRAIN SYSTEM ONLY TO MAKE SWITCHOVERS AND CONNECTIONS. OBTAIN PERMISSION FROM OWNER BEFORE PARTIALLY OR COMPLETELY DRAINING SYSTEM. MAKE CHANGEOVER TO NEW SYSTEMS WITH MINIMUM OUTAGE.

MECHANICAL SHEET INDEX FIRE PROTECTION & MECH. COVERSHEET 2ND FLOOR FIRE PROT. & MECH. PLAN FM100

6

9

8

1



INTERNATIONAL ARCHITECTS ATELIER 912 BROADWAY BLVD, SUITE 300 | KANSAS CITY, MO 64105 P: 816 471 6522 | F: 816.471.3755 | W: I-A-A.COM MISSOURI STATE CERTIFICATE OF AUTHORITY #000582

MEP CONSULTANT IMEG CORP. 1600 BALTIMORE KANSAS CITY, MO 64108 PH: 816.842.837

BE

AA

W



FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI

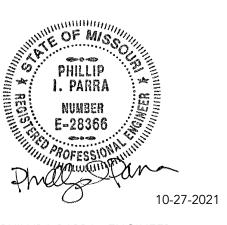


ISSUED FOR BID

221 S 8th St Columbia, MO 65201

DATE: PROJ. NO.:	10/27/2021 CP220031
DESIGNED BY:	SGB
DRAWN BY:	SGB
CHECKED BY:	SGB
APPROVED BY:	SGB

SEAL:

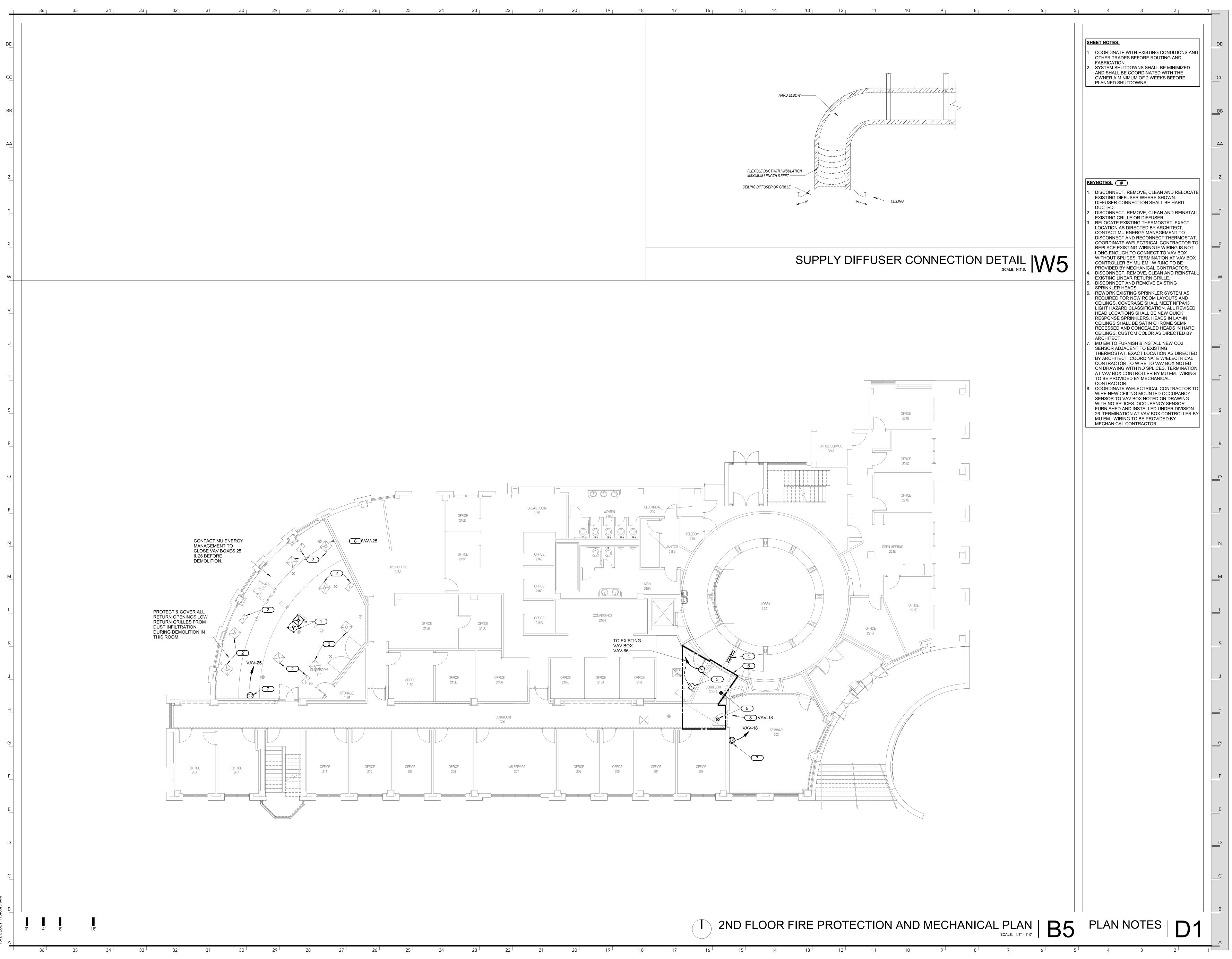


PHILLIP I. PARRA - ENGINEER MO#: E-28366

The Professional Engineer's seal affixed to this sheet applies only to the material and items shown on this sheet. All drawings, instruments, or other documents not exhibiting this seal shall not be considered prepared by this engineer, and this engineer expressly disclaims any and all responsibility for such plans, drawings, or documents not exhibiting this seal.

NO.	REVISION SUBMISSION	DATE
0	ISSUED FOR BID	10/27/2021





6	25	24	23	22	21	20	19	18	17	16	15	14	

HARD ELBON					
FLEXIBLE DUCT WITH INSULATIO					
MAXIMUM LENGTH 5 FEET					
CEILING DIFFUSER OR GRILLE —					
-					
	Ļ				
	L	 	 	 	



MEP CONSULTANT IMEG CORP. 1600 BALTIMORE KANSAS CITY, MO 64108 PH: 816.842.837



FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI



ISSUED FOR BID

221 S 8th St Columbia, MO 65201

DATE: PROJ. NO.:	10/27/2021 CP220031
DESIGNED BY:	SGB
DRAWN BY:	SGB
CHECKED BY:	SGB
APPROVED BY:	SGB

SEAL:

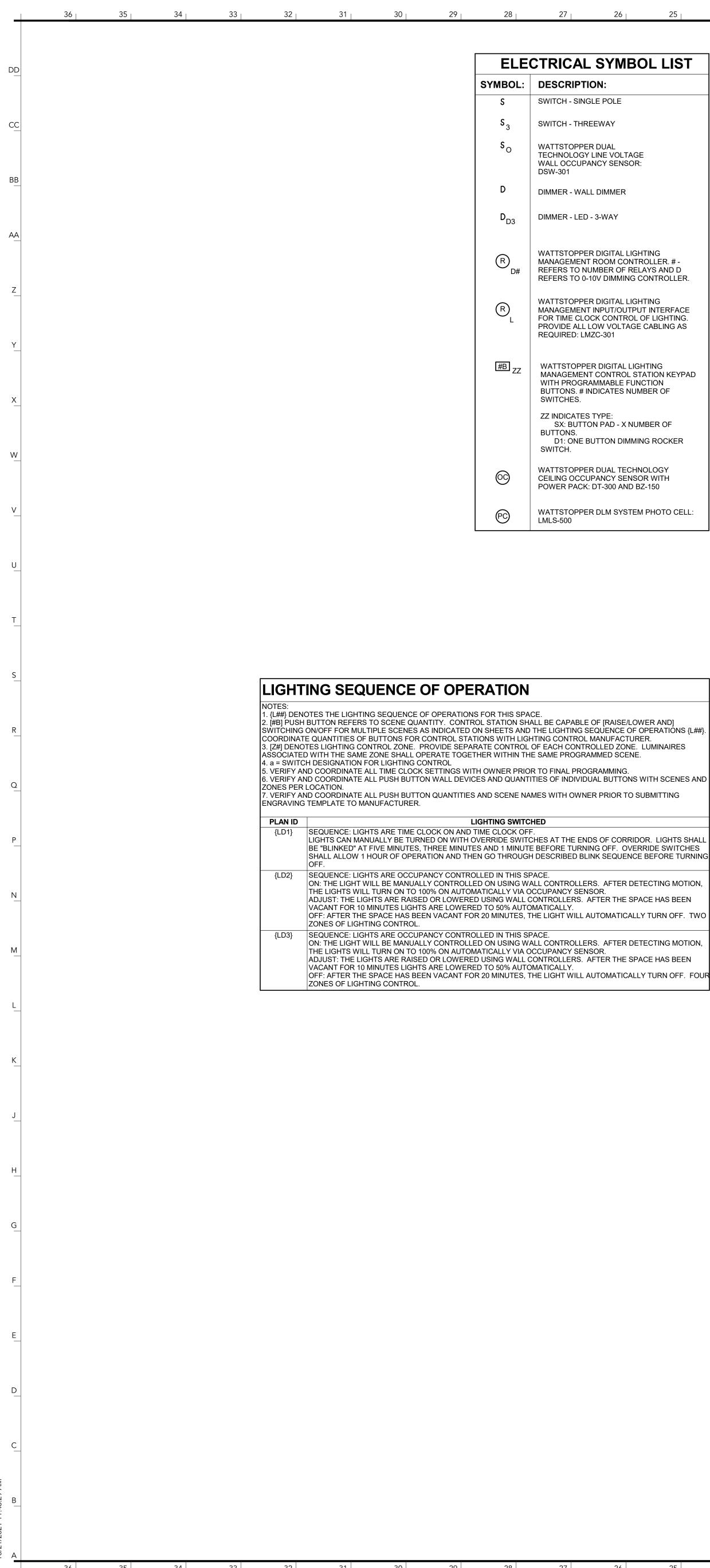


MO#: E-28366 The Professional Engineer's seal affixed to this sheet applies only to the material and items shown on this sheet. All drawings,

instruments, or other documents not exhibiting this seal shall not be considered prepared by this engineer, and this engineer expressly disclaims any and all responsibility for such plans, drawings, or documents not exhibiting this seal.

NO.	REVISION SUBMISSION	DATE
0	ISSUED FOR BID	10/27/2021





BOL LIST		ELECTRICAL SYMBOL LIST	ELECTR
	SYMBOL:	DESCRIPTION:	THESE NOTES APPLY TO ALL E TO, LIGHTING, POWER, AND SY
		LINEAR LUMINAIRES	1. EXISTING CONDITIONS ARE SURVEYS, EXISTING BUILD REPORT ANY CONFLICTS E
		TROFFER	2. NOT ALL EXISTING EQUIPM CONDITIONS AND REPORT
	0	DOWNLIGHT LUMINAIRE	3. FIELD VERIFY THE AVAILAE AND DROPS MAY BE NECE
TAGE SOR:	\otimes	SINGLE FACE EXIT SIGN	4. EACH CONTRACTOR SHAL AND SHALL NOTIFY THE GE
	8	DOUBLE FACE EXIT SIGN	REQUIRED TO BE REMOVE WORK.
	™ ™	WALL/CEILING EMERGENCY EXIT SIGN	5. THE GENERAL CONTRACTO ROOFS, WALLS, AND FLOO CONTRACTORS SHALL NO
		EMERGENCY UNIT	6. THE GENERAL CONTRACTO CEILINGS, CEILING TILES, A CONTRACTORS. NOTIFY TH BIDDING.
LIGHTING ONTROLLER. # - FRELAYS AND D			7. WHERE EXISTING ELECTRI EQUIPMENT, PIPING, OR DI ARRANGE NEW EQUIPMEN NOT CONFLICT WITH EXIST

EL	EC	TF
	· · · · ·	

- TO, LIGHTING, POWER, AND SYSTEMS
- THE PHASING CRITERIA. WITH AFFECTED ADJACENT AREAS.
- SERVICE TO ALL AREAS DURING ALL PHASES OF PROJECT.
- 5. PHASE DEMOLITION WORK TO MINIMIZE DOWNTIME.

- 1. THE ELECTRICAL LIGHTING DRAWINGS INDICATE EXISTING ELECTRICAL ITEMS TO BE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID AND VERIFY EXISTING CONDITIONS.
- SPECIFICATIONS
- SPECIFICATIONS LIGHT FIXTURES.

- 1. SHADED FIXTURE INDICATE LUMINAIRES WITH EMERGENCY BATTERY BACKUP FOR EGRESS LIGHTING.
- INDICATED AND PER LIGHTING SEQUENCE OF OPERATIONS.
- LABOR AND MATERIAL COSTS MADE NECESSARY BY THIS REQUIREMENT SHALL BE INCLUDED.

1.	ALL LUMINAIRES SHOWN TO E
	OWNER FOR ATTIC STOCK. CO
	LENS OR SUBSET OF LUMINAI
2.	REMOVE EXISTING LUMINAIRE
	LOCATE AND IDENTIFY ELECT
	NEW DEVICES.
3.	COORDINATE HOURS OF ACC
4.	REMOVE EXISTING LUMINAIRE
	SAME LOCATION OR NEW LOC
5.	UNLESS SHOWN OTHERWISE
	FINISH AND TYPE FOR ALL LO
	INSTALLED.
6.	WHERE WALL SWITCH DEVICE
	SWITCH PLATE.
7.	REUSE EXISTING CONDUIT, W
	INSTALL THE NEW LUMINAIRE
8.	PROVIDE (1) UNSWITCHED LE
	SENSOR LEF SERVING THE NE
9.	CONNECT NEW LUMINAIRES T
	USING 2#12 & 1#12 GND IN 3/4"
	MAKE CONNECTION. EXISTING
10.	
	OF OPERATION ON E400.

AND CEILING MOUNTED DEVICES.

LINE TYPE AND TAG KEY: NEW WORK BY THIS CONTRACTOR (WIDE LINE) _____ NEW EXISTING TO REMAIN OR WORK BY OTHERS (NARROW LINE) ----- EXISTING HALFTONING DOES NOT MODIFY SCOPE.

<u>TAG-1</u>

ELE	CTRICAL SYMBOL LIST			
SYMBOL:	DESCRIPTION:			
ŧ	DUPLEX RECEPTACLE, 125V			
₩	DUPLEX GFI RECEPTACLE, 125V			
-	QUAD RECEPTACLE, 125V			
\$	ISOLATED GROUND RECEPTACLE, 125V			
€_ں	DUPLEX RECEPTACLE, USB CHARGING			
	FLOORBOX - DUAL COMPARTMENT			
ELECTRICAL SYMBOL LIST				
SYMBOL:	DESCRIPTION:			
Ē	ELECTRICAL CONNECTION			

E	ELECTRICAL CONNECTION
- - -	JUNCTION BOX
	POKE THRU - TECHNOLOGY ROUGH-IN AND ADDITONAL SERVICE
RI ▼	TECHNOLOGY OUTLET ROUGH-IN. INSTALL TWO OWNER FURNISHED CATEGORY 6A CABLES IN JUNCTION BOX WITH 1" CONDUIT WHERE NEW JUNCTION BOX AND CONDUIT IS INSTALLED. INSTALL IN EXISTING JUNCTION BOX AND CONDUIT SYSTEM WHERE EXISTING JUNCTION BOX AND CONDUIT REMAIN.
TV ▼	TECHNOLOGY OUTLET ROUGH-IN. INSTALL ONE OWNER FURNISHED CATEGORY 6A CABLE AND ONE RG6 CABLE IN JUNCTION BOX WITH 1" CONDUIT WHERE NEW JUNCTION BOX AND CONDUIT IS INSTALLED. INSTALL IN EXISTING JUNCTION BOX AND CONDUIT SYSTEM WHERE EXISTING JUNCTION BOX AND CONDUIT REMAIN.
	MULTI OUTLET SYSTEM
	PANELBOARD - RECESS MOUNT

ELECTRICAL SYMBOL LIST

SYMBOL:	DESCRIPTION:	
SD	FIRE ALARM SMOKE DETECTOR - CEILING MOUNTED	
F	FIRE ALARM MANUAL PULL STATION	
A1 A3 A7 AH	FIRE ALARM AUDIO/VISUAL NOTIFICATION DEVICE - WALL MOUNTED	
A1A3 A7AH	FIRE ALARM AUDIO/VISUAL NOTIFICATION DEVICE - CEILING MOUNTED	
V1 V3 V7 VH	FIRE ALARM VISUAL NOTIFICATION DEVICE - WALL MOUNTED	
F	FIRE ALARM MANUAL PULL STATION	
DH	FIRE ALARM ELECTROMAGNETI DOOR HOLD DEVICE	

	LUMINAIRE SYMBOL KEY
SYMBOL:	DESCRIPTION:
o	NORMAL BRANCH LUMINAIRE
	EMERGENCY LUMINAIRE

UON UNLESS OTHERWISE NOTED

ELECTRICAL ABBREVIATION KEY		
ABBR:	DESCRIPTION:	
AFF	ABOVE FINISHED FLOOR	
С	CONDUIT	
GFI	GROUND FAULT INTERRUPTER	
N.C.	NORMALLY CLOSED	
NIC	NOT IN CONTRACT	
N.O.	NORMALLY OPEN	
SV	SOLENOID VALVE	
TYP	TYPICAL	

(LOWER AND] OF OPERATIONS {L##}. TURER. NE. LUMINAIRES ENE.	

RICAL RENOVATION NOTES:

ELECTRICAL SHEETS AND TRADES. INCLUDING BUT NOT LIMITED SYSTEMS

- RE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD LDING DOCUMENTS, AND STAFF. VERIFY EXISTING CONDITIONS AND S BEFORE PROCEEDING. PMENT, LUMINAIRES, AND CONDUIT ARE SHOWN. VERIFY EXISTING RT ANY CONFLICTS WITH NEW WORK BEFORE STARTING WORK. ABLE CLEARANCES FOR CONDUITS BEFORE FABRICATION. RISES
- CESSARY BECAUSE OF EXISTING FIELD CONDITIONS. ALL FIELD VERIFY ACCESSIBILITY TO THE AREA OF HIS/HER WORK GENERAL CONTRACTOR PRIOR TO BIDDING IF OTHER UTILITIES ARE VED OR RELOCATED TO ALLOW ACCESS TO HIS/HER AREA OF CTOR IS RESPONSIBLE FOR CUTTING. REMOVAL AND PATCHING OF
- DORS ASSOCIATED WITH WORK BY ALL CONTRACTORS. IOTIFY THE GC OF AFFECTED AREAS PRIOR TO BIDDING. CTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF , AND CEILING GRIDS ASSOCIATED WITH AREAS OF WORK BY ALL THE GENERAL CONTRACTOR OF AFFECTED AREAS PRIOR TO
- RICAL SYSTEMS ARE LOCATED IN AREAS THAT CONFLICT WITH NEW DUCTWORK TO BE INSTALLED, EACH CONTRACTOR SHALL EITHER ENT, CONDUIT, OR DUCTWORK IN SUCH A FASHION THAT IT DOES NOT CONFLICT WITH EXISTING SYSTEMS, OR REWORK EXISTING ELECTRICAL SYSTEMS TO ALLOW FOR INSTALLATION OF NEW EQUIPMENT, PIPING, OR DUCTWORK.

RICAL PHASING NOTES:

THESE NOTES APPLY TO ALL ELECTRICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED 1. REFER TO ARCHITECTURAL DRAWINGS FOR GENERAL DESCRIPTION OF PHASES. REFER TO ARCHITECT'S INSTRUCTIONS FOR MORE DETAILS AND PHASING SCHEDULES AND FOR CONCURRENT WORK. MECHANICAL, ELECTRICAL AND TECHNOLOGY DRAWINGS DEPICT THE INTENT OF THE FINAL DESIGN. THE MECHANICAL, ELECTRICAL, AND TECHNOLOGY DRAWINGS DO NOT DEPICT THE MEANS AND METHODS TO MEET THE REQUIREMENTS OF 2. REVIEW PROJECT PHASING PLANS TO COORDINATE DEMOLITION WORK, OUTAGES, ETC. 3. PROVIDE TEMPORARY LIGHTING, POWER, SYSTEMS, ETC. AS NEEDED TO MAINTAIN

4. INSTALL TEMPORARY LIGHTING, CIRCUITS, ETC. AS NECESSARY TO KEEP ALL OCCUPIED SPACES OPERATIONAL THROUGHOUT ALL PHASES OF THE PROJECT

ELECTRICAL LIGHTING DEMOLITION NOTES:

REMOVED. THE DRAWINGS ARE INTENDED TO INDICATE THE SCOPE OF WORK REQUIRED AND DO NOT INDICATE EVERY BOX, CONDUIT, OR WIRE THAT MUST BE REMOVED. THE

2. EQUIPMENT REMOVAL IN CERTAIN LOCATIONS MAY REQUIRE THE INSTALLATION OF A JUNCTION BOX TO RECONNECT CIRCUITS THAT REMAIN IN OPERATION. EXTEND CONDUIT AND WIRING AS REQUIRED TO MAINTAIN POWER TO REMAINING EQUIPMENT. 3. BALLASTS MANUFACTURED PRIOR TO 1980 CONTAIN PCBs AND SHALL BE DISPOSED OF BY A FEDERAL OR STATE E.P.A. APPROVED METHOD AND IN ACCORDANCE WITH

4. HID AND FLUORESCENT LAMPS CONTAIN MERCURY AND SHALL BE DISPOSED OF BY A FEDERAL OR STATE E.P.A. APPROVED METHOD AND IN ACCORDANCE WITH

5. REUSE EXISTING CONDUIT, CIRCUITS AND LIGHTING CONTROL WHERE POSSIBLE. PROVIDE NEW CONDUIT AND WIRE WHERE SHOWN, MISSING OR REQUIRED TO INSTALL THE NEW

6. VERIFY MANUFACTURERS INSTALLATION GUIDELINES WITH EXISTING FIELD CONDITIONS PRIOR TO BIDDING AND ORDERING NEW LIGHT FIXTURES AND INSTALLATION MATERIAL. MATCH EXISTING PAINTED SURFACES. WHERE REPLACED LUMINAIRE DOES NOT FULLY COVER EXISTING JUNCTION BOX OR PAINTED SURFACE. PROVIDE CUSTOM BACK PLATE WHERE NECESSARY TO COVER ANY FIELD CONDITIONS THAT WOULD ALLOW INTRUSION OF WATER AND CAULK WHERE NECESSARY

TYPICAL NEW CONSTRUCTION:

2. WHERE LUMINAIRE QUANTITIES OR LAYOUT DIFFER BETWEEN ELECTRICAL LIGHTING PLANS AND ARCHITECTURAL REFLECTED CEILING PLANS. HIGHER QUANTITY SHALL TAKE PRECEDENCE. CONTRACTOR SHALL CONFIRM QUANTITY AND LAYOUT WITH DESIGN TEAM. . #B PUSH BUTTON REFERS TO SCENE QUANTITY. COORDINATE NUMBER OF BUTTONS FOR CONTROL STATIONS WITH LIGHTING CONTROL MANUFACTURER. CONTROL SHALL BE CAPABLE OF DIMMING UP/DOWN AND SWITCHING ON/OFF FOR MULTIPLE ZONES AS

4. LUMINARES SHALL BE TARGETED AND ADJUSTED BY THE CONTRACTOR UNDER THE OBSERVATION AND IN COMPLIANCE WITH RECOMMENDATIONS OF THE ENGINEER. ALL

TYPICAL REMODEL:

1. ALL LUMINAIRES SHOWN TO BE DEMOLISHED SHALL BE DISPOSED OF IF NOT REQUIRED BY CONFIRM WITH OWNER PRIOR TO DISPOSAL IF THE LAMPS, AIRES SHOULD BE TURNED OVER FOR ATTIC STOCK. RES, WALL SWITCHES, AND RECEPTACLES WHERE SHOWN. TRICAL CIRCUIT SERVING REMOVED DEVICES FOR REUSE WITH

> CESS WITH OWNER. RE AND PREPARE FOR INSTALLATION OF NEW LUMINAIRE IN CATION. REFER TO EL100 FOR NEW WORK. E OR DIRECTED BY ARCHITECT, MATCH EXISTING FACEPLATE OCATIONS WHERE NEW WALL CONTROL DEVICE IS BEING

CE IS REMOVED AND NOT REPLACED. PROVIDE WITH BLANK WIRE, AND JUNCTION BOXES. PROVIDE NEW IF REQUIRED TO

EG FROM PANEL SERVING THE EMERGENCY FIXTURES TO THE NEW BATTERY BACK UP IN NEW LUMINARES. TO CIRCUIT THAT SERVED PREVIOUSLY REMOVED LUMINAIRE " C. EXTEND CONDUIT AND CONDUCTORS AS REQUIRED TO IG CONDUIT IN GOOD CONDITION SHALL BE REUSED IN PLACE.

TO BE INSTALLED IN ACCORDANCE WITH LIGHTING SEQUENCE 11. COORDINATE LOCATIONS OF NEW LUMINAIRES WITH EXISTING DUCT, PIPING, STRUCTURAL

VIEW KEY

----- EXISTING TO BE REMOVED (SHORT DASHED PATTERN) — — MEW UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

----- EXISTING TO BE REMOVED BY OTHERS (SHORT DASHED PATTERN) — — — EXISTING UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

'TAG'-E TAGS WITH DASH 'E' INDICATES THE REFERENCED OBJECT IS EXISTING UNDERLINED TAG INDICATES OBJECT IS IN-SCOPE. IF NEW, ADDITIONAL INFORMATION IS AVAILABLE IN A SCHEDULE, MATERIAL LIST, OR SYMBOL LIST INDICATES AN EXISTING SYSTEM'S POINT OF CONNECTION/REMOVAL

ELECTRICAL GENERAL NOTES:

- ##-### INDICATES ELECTRICAL EQUIPMENT DEFINED IN ELECTRICAL SCHEDULES OR PECIFICATION. REFER TO DRAWINGS CONTAINING ELECTRICAL SCHEDULES. PERMANENT
- NAMEPLATE SHALL MATCH FINAL EQUIPMENT NOMENCLATURE, NOT ELECTRICAL EQUIPMENT TAG NAME, REFER TO SPECIFICATIONS. 2. {L###} INDICATES THE LIGHTING SEQUENCE OF OPERATION FOR THE SPACE. REFER TO THE
- LIGHTING SEQUENCE OF OPERATION MATRIX ON SHEET E400. 3. SHADED LUMINAIRE OR DEVICE INDICATES LUMINAIRE OR DEVICE IS CONNECTED TO AN
- EMERGENCY BATTERY. 4. REFER TO SHEET E400 FOR LUMINAIRE SCHEDULE.
- 5. VACANCY/OCCUPANCY SENSOR LAYOUT: SENSORS ARE SHOWN ON THE PLANS FOR DESIGN INTENT AND MAY NOT REPRESENT EVERY DEVICE. PROVIDE MANUFACTURER SPECIFIC FLOOR PLAN LAYOUTS SHOWING LOCATION, ORIENTATION, AND COVERAGE AREA OF EACH CONTROL DEVICE, SENSOR, AND CONTROLLER/INTERFACE. AREAS REQUIRING MULTIPLE SENSOR DEVICES FOR APPROPRIATE COVERAGE, SUBMIT SPECIFIC MANUFACTURER-APPROVED SENSOR LAYOUT AS AN OVERLAY DIRECTLY ON THE PROJECT DRAWINGS, EITHER IN PRINT OR APPROVED ELECTRONIC FORM.

LUMINAIRE KEY: F1 = FIXTURE TAG

1 = CIRCUIT NUMBER a = SWITCH DESIGNATION LUMINAIRE NL = SUBSCRIPT (IF APPLICABLE) Z = ZONE DESIGNATION

> *IF LABEL IS ORIENTED HORIZONTALLY A SLASH WILL SEPARATE THIS INFORMATION. EX: F1/1/a/NL

DEVICE KEY: DEVICE Φ A = MOUNTING (IF APPLICABLE) 1 = CIRCUIT NUMBER

> *IF LABEL IS ORIENTED HORIZONTALLY A SLASH WILL SEPARATE THIS INFORMATION. EX: A / 1

ELECTRICAL MOUNTING SUBSCRIPT KEY: MOUNT AT +6" TO CENTERLINE ABOVE COUNTER OR BACKSPLASH

- MOUNT AT CEILING MOUNT ORIENTED HORIZONTALLY MOUNT IN CASEWORK
- MOUNT IN MODULAR FURNITURE
- MOUNT IN SURFACE RACEWAY R EWC ELECTRIC WATER COOLER

ELECTRICAL INSTALLATION NOTES:

- 1. THE COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE ADA STANDARDS FOR ACCESSIBLE DESIGN. REFER TO THE ADA GUIDELINES FOR ALL CONFIGURATION DETAILS ON
- THIS PAGE FOR ADDITIONAL INFORMATION. 2. CIRCUITING SHALL AGREE WITH NUMBERING ON THE PANEL PROVIDED. COMMON NEUTRALS
- MAY NOT BE USED FOR BRANCH CIRCUITS. BALANCE THE LOAD ON PANEL AS EVENLY AS POSSIBLE BETWEEN EACH PHASE 3. FLUSH MOUNT ALL LIGHTING CONTROL DEVICES AT +42" FROM FLOOR (CENTERLINE
- DIMENSION), EXCEPT WHERE OTHERWISE NOTED. 4. FLUSH MOUNT ALL DUPLEX RECEPTACLES AND TECHNOLOGY OUTLETS AT +18" FROM
- FLOOR (CENTERLINE DIMENSION). EXCEPT WHERE OTHERWISE NOTED. 5. ALL MATERIALS USED TO SEAL PENETRATIONS OF FIRE RATED WALLS AND FLOORS SHALL BE TESTED AND CERTIFIED AS A SYSTEM PER ASTM E814 STANDARDS FOR FIRE TESTS OF THROUGH-PENETRATION FIRESTOPS.
- 6. MOUNT ALL FIRE ALARM PULL STATIONS AT +42" FROM FLOOR (CENTERLINE DIMENSION) EXCEPT WHERE OTHERWISE NOTED. 7. INSTALL ALL WALL MOUNTED FIRE ALARM NOTIFICATION DEVICES AT 90" ABOVE FINISHED FLOOR OR 6" BELOW THE CEILING, WHICHEVER IS LOWER, EXCEPT WHERE OTHERWISE
- NOTED. HEIGHT SHALL BE MEASURED TO THE TOP OF THE DEVICE. 8. CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL CEILING MOUNTED DEVICES AND EQUIPMENT WITH LUMINAIRES, SPRINKLER, AND CEILING DIFFUSERS. CENTER ALL DEVICES
- IN CEILING TILE PATTERN. SMOKE DETECTORS AND OCCUPANCY/VACANCY SENSORS SHALL BE LOCATED NO CLOSER THAN 3 FEET TO AN AIR SUPPLY DIFFUSER OR RETURN GRILLE. 9. CONTRACTOR SHALL VERIFY ALL FURNITURE, MODULAR FURNITURE, AND EQUIPMENT LOCATIONS WITH ARCHITECTURAL PLANS, ELEVATIONS, AND REVIEWED SHOP DRAWINGS. PRIOR TO MAKING THE ACTUAL ELECTRICAL INSTALLATION, THIS CONTRACTOR SHALL
- ADJUST RECEPTACLES, OUTLETS, OR CONNECTION LOCATIONS TO ACCOMMODATE FURNITURE AND/OR EQUIPMENT. 10. ELECTRICAL AND TECHNOLOGY EQUIPMENT SHALL BE MOUNTED TO AVOID IMPEDANCE OF, OPERATION OF, AND/OR ACCESS TO ELECTRICAL AND MECHANICAL EQUIPMENT. ALL MOUNTING OF ELECTRICAL AND TELECOMMUNICATIONS EQUIPMENT, ON EQUIPMENT SUPPLIED BY ANOTHER CONTRACTOR, SHALL BE APPROVED IN ADVANCE BY THE OTHER
- CONTRACTOR. 11. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS REQUIRED IN WALLS. ALL OPENINGS SHALL BE REPAIRED TO MATCH EXISTING BY A QUALIFIED CONTRACTOR AT THE EXPENSE OF THIS CONTRACTOR. ALL CONDUITS THROUGH WALLS SHALL BE GROUTED OR SEALED INTO OPENINGS.
- 12. ALL WELDING SHALL BE ACCORDING TO AMERICAN WELDING SOCIETY STANDARDS. CONTRACTOR SHALL FURNISH TO THE ARCHITECT/ENGINEER CERTIFICATES QUALIFYING EACH WELDER. PRIOR TO START OF WORK. THE ARCHITECT/ENGINEER RESERVES THE RIGHT TO REQUIRE QUALIFYING DEMONSTRATION, AT THE CONTRACTOR'S EXPENSE, OF ANY WELDERS ASSIGNED TO THE JOB.
- 13. EACH CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY THEIR ACTIONS TO THE WALLS, FLOORS, CEILINGS, AND ROOFS. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE IS RESPONSIBLE FOR PATCHING TO MATCH ORIGINAL CONSTRUCTION, FIRE RATING, AND
- 14. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL, TECHNOLOGY AUDIO/VISUAL, AND OTHER ELECTRICAL PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES, OTHER THAN SPRINKLERS.

CONTRACTOR ABBREVIATION KEY		
ABBR:	DESCRIPTION:	
A.C.	ASBESTOS ABATEMENT CONTRACTOR	
A.V.C.	AUDIO/VISUAL CONTRACTOR	
C.C.	CIVIL CONTRACTOR	
C.M.	CONSTRUCTION MANAGER	
E.C.	ELECTRICAL CONTRACTOR	
F.P.C.	FIRE PROTECTION CONTRACTOR	
F.S.C.	FOOD SERVICE CONTRACTOR	
G.C.	GENERAL CONTRACTOR	
H.C.	HEATING CONTRACTOR	
M.C.	MECHANICAL CONTRACTOR	
N.C.C.	NURSE CALL CONTRACTOR	
P.C.	PLUMBING CONTRACTOR	
S.C.	SECURITY CONTRACTOR	
T.C.	TECHNOLOGY CONTRACTOR	
T.C.C.	TEMPERATURE CONTROLS CONTRACTOR	
V.C.	VENTILATION CONTRACTOR	

1



INTERNATIONAL ARCHITECTS ATELIER 912 BROADWAY BLVD, SUITE 300 | KANSAS CITY, MO 64105 P: 816 471 6522 | F: 816.471.3755 | W: I-A-A.COM MISSOURI STATE CERTIFICATE OF AUTHORITY #000582

MEP CONSULTANT IMEG CORP. 1600 BALTIMORE KANSAS CITY, MO 64108 PH: 816.842.837



FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI

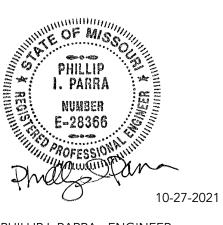
LEE HILLS HALL -
RENOVATE
SPACES FOR
NOVAK
LEADERSHIP
INSTITUTE
THE UNIVERSITY OF MISSOURI

ISSUED FOR BID

221 S 8th St Columbia, MO 65201

DATE: PROJ. NO.:	10/27/2021 CP220031
DESIGNED BY:	PIP
DRAWN BY:	PIP
CHECKED BY:	PIP
APPROVED BY:	PIP

SEAL:



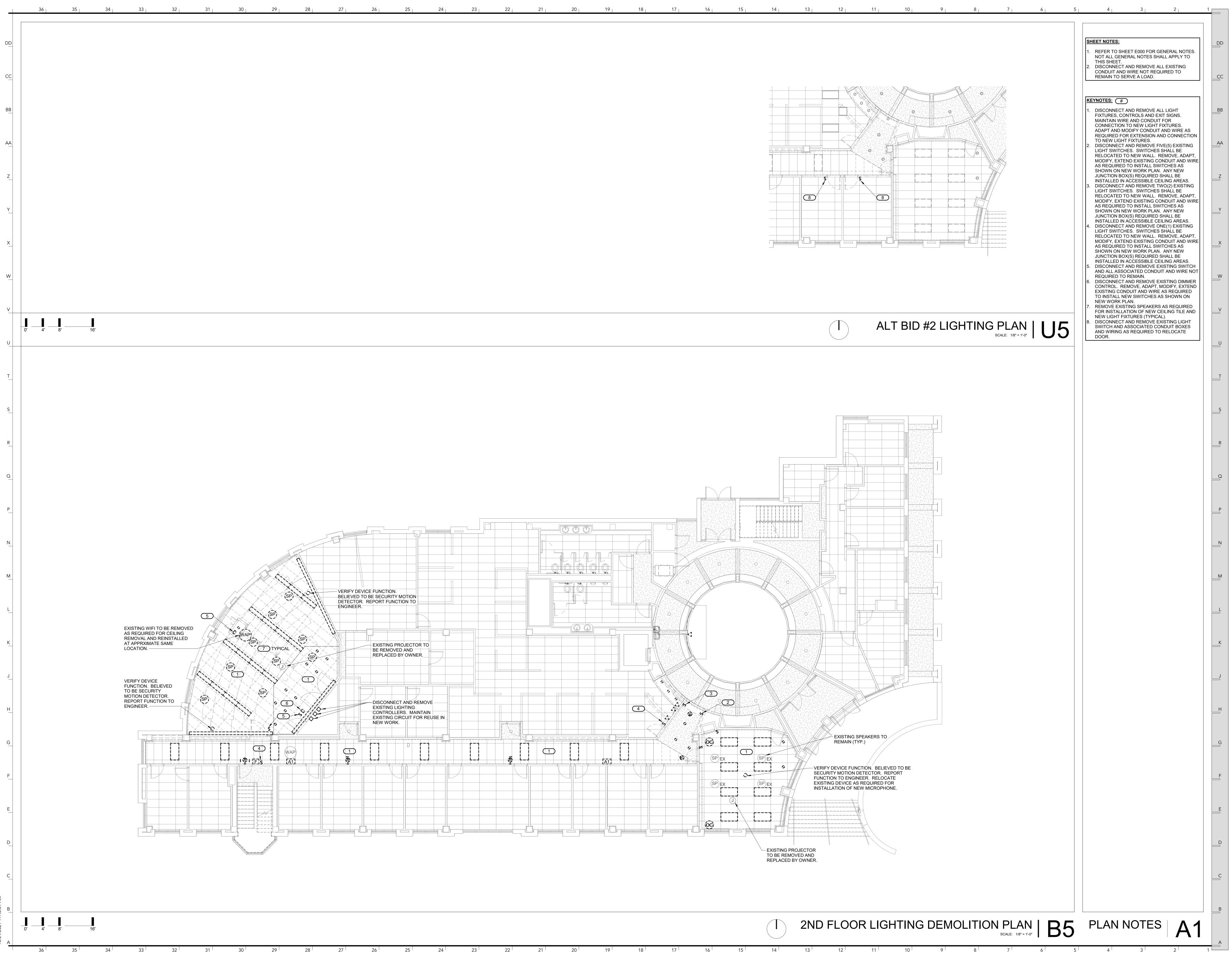
PHILLIP I. PARRA - ENGINEER MO#: E-28366

The Professional Engineer's seal affixed to this sheet applies only to the material and items shown on this sheet. All drawings, instruments, or other documents not exhibiting this seal shall no be considered prepared by this engineer, and this engineer expressly disclaims any and all responsibility for such plans drawings, or documents not exhibiting this seal.

NO.	REVISION SUBMISSION	DATE
0	ISSUED FOR BID	10/27/2021



ELECTRICAL





MEP CONSULTANT IMEG CORP. 1600 BALTIMORE KANSAS CITY, MO 64108 PH: 816.842.837

BB

AA



FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI

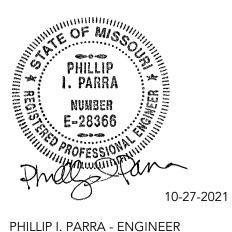
LEE HILLS HALL -
RENOVATE
SPACES FOR
NOVAK
LEADERSHIP
INSTITUTE
THE UNIVERSITY OF MISSOURI

ISSUED FOR BID

221 S 8th St Columbia, MO 65201

DATE: PROJ. NO.:	10/27/2021 CP220031
DESIGNED BY:	PIP
DRAWN BY:	PIP
CHECKED BY:	PIP
APPROVED BY:	PIP

SEAL:

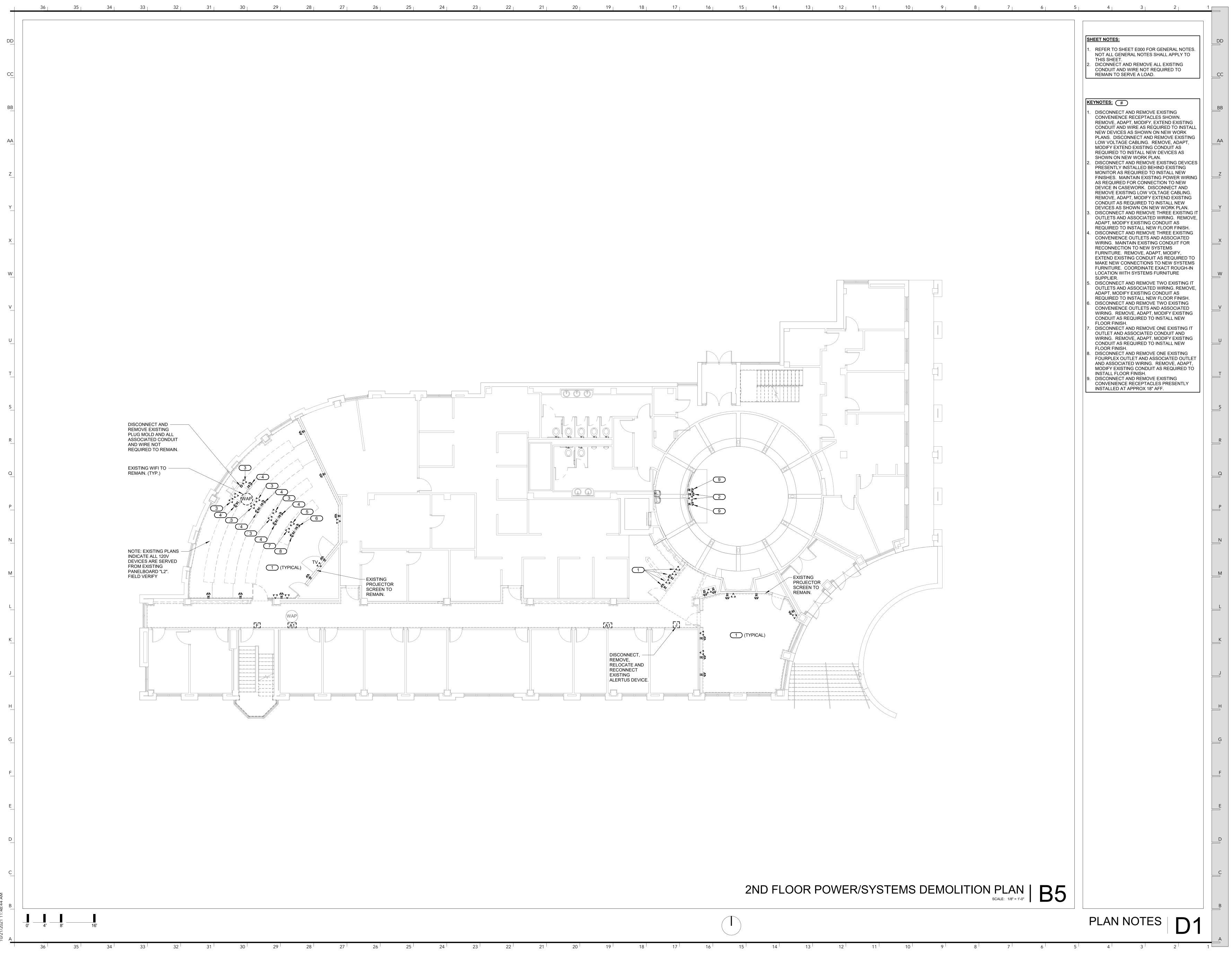


MO#: E-28366

The Professional Engineer's seal affixed to this sheet applies only to the material and items shown on this sheet. All drawings, instruments, or other documents not exhibiting this seal shall not be considered prepared by this engineer, and this engineer expressly disclaims any and all responsibility for such plans, drawings, or documents not exhibiting this seal.

NO.	REVISION SUBMISSION	DATE
0	ISSUED FOR BID	10/27/2021







MEP CONSULTANT IMEG CORP. 1600 BALTIMORE KANSAS CITY, MO 64108 PH: 816.842.837

BE

AA



FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI



ISSUED FOR BID

221 S 8th St Columbia, MO 65201

DATE: PROJ. NO.:	10/27/2021 CP220031
DESIGNED BY:	PIP
DRAWN BY:	PIP
CHECKED BY:	PIP
APPROVED BY:	PIP

SEAL:

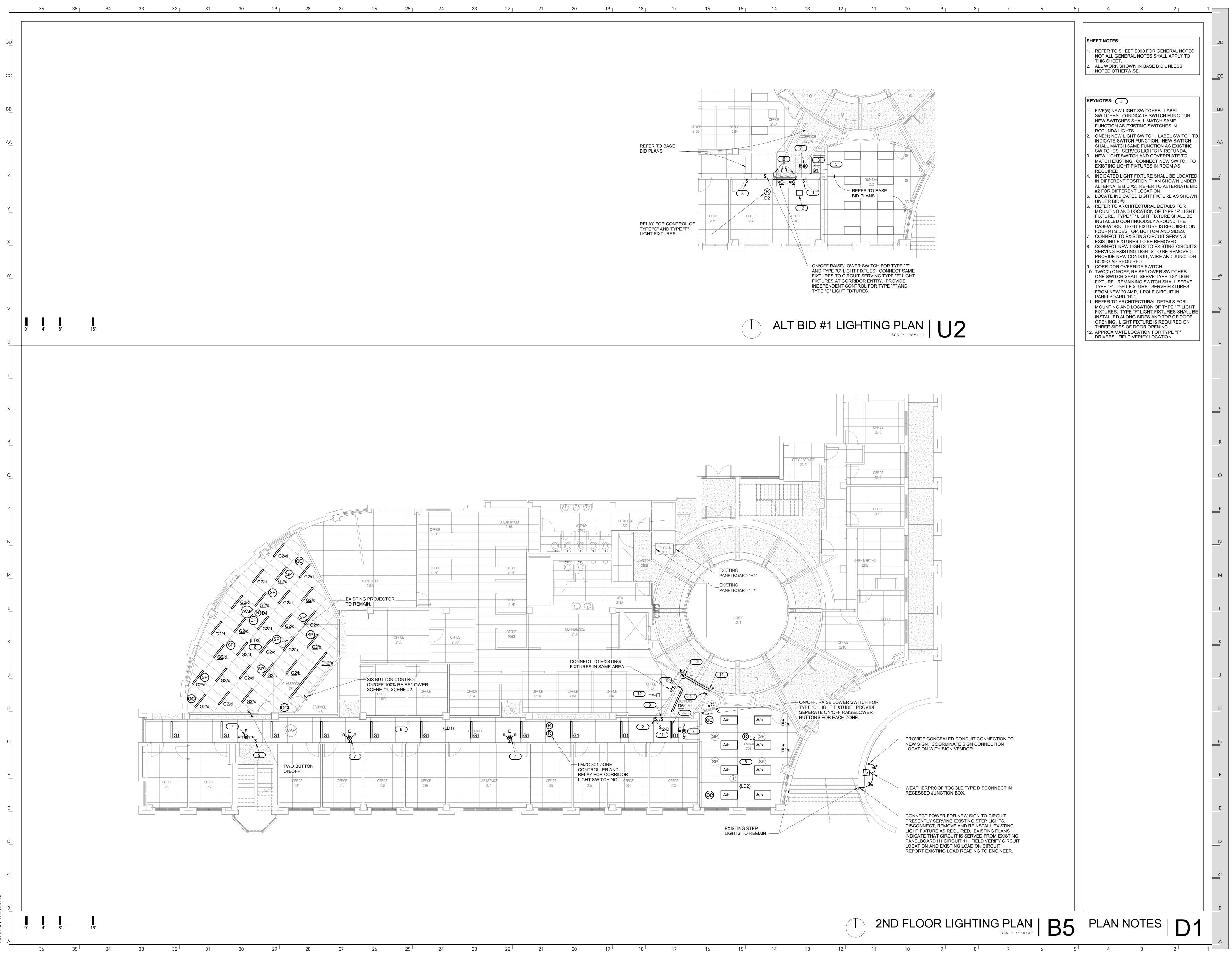


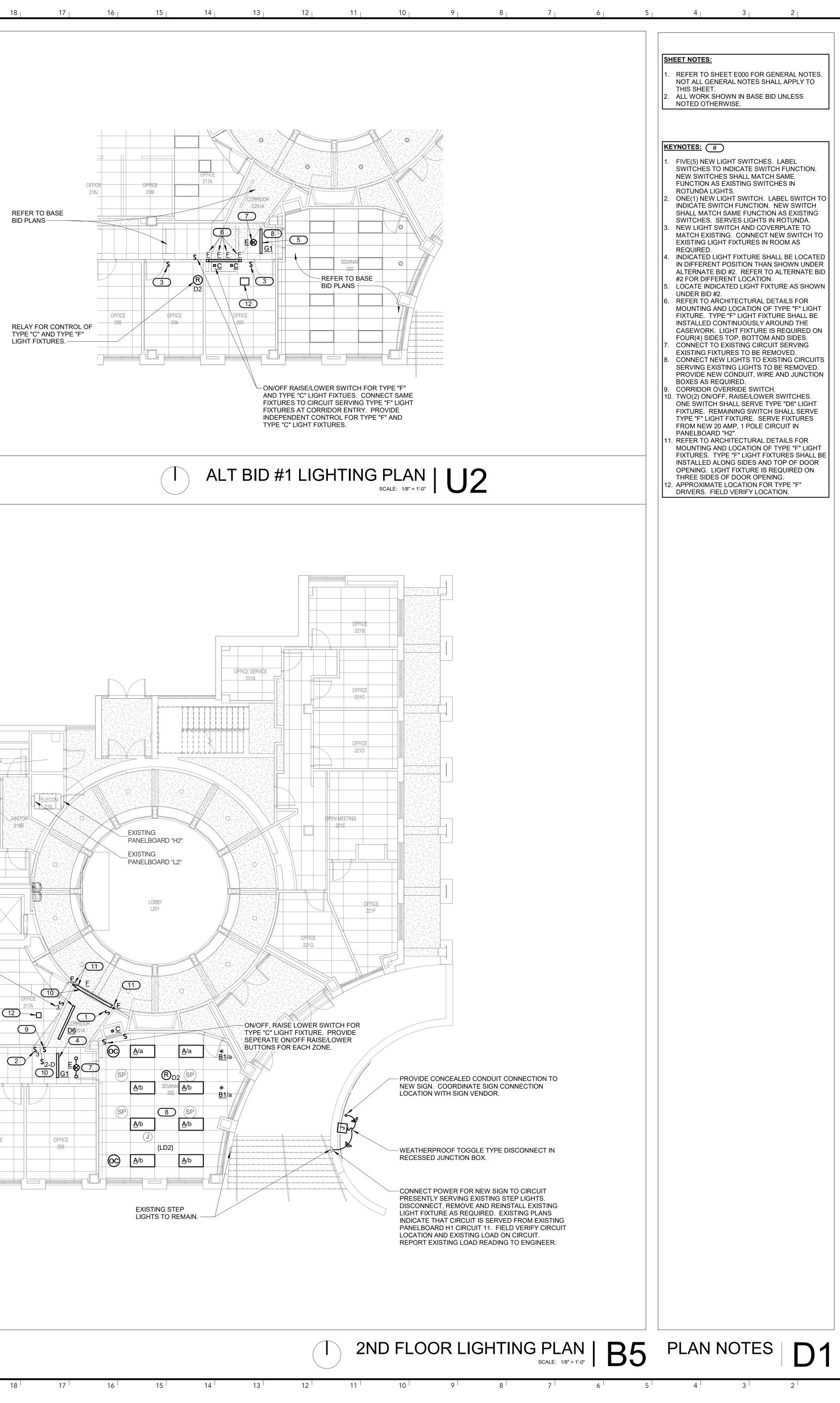
MO#: E-28366 The Professional Engineer's seal affixed to this sheet applies only

to the material and items shown on this sheet. All drawings, instruments, or other documents not exhibiting this seal shall not be considered prepared by this engineer, and this engineer expressly disclaims any and all responsibility for such plans, drawings, or documents not exhibiting this seal.

NO.	REVISION SUBMISSION	DATE
0	ISSUED FOR BID	10/27/2021









MEP CONSULTANT IMEG CORP. 1600 BALTIMORE KANSAS CITY, MO 64108 PH: 816.842.837

BB

AA



FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI



ISSUED FOR BID

221 S 8th St Columbia, MO 65201

DATE: PROJ. NO.:	10/27/2021 CP220031
DESIGNED BY:	PIP
DRAWN BY:	PIP
CHECKED BY:	PIP
APPROVED BY:	PIP

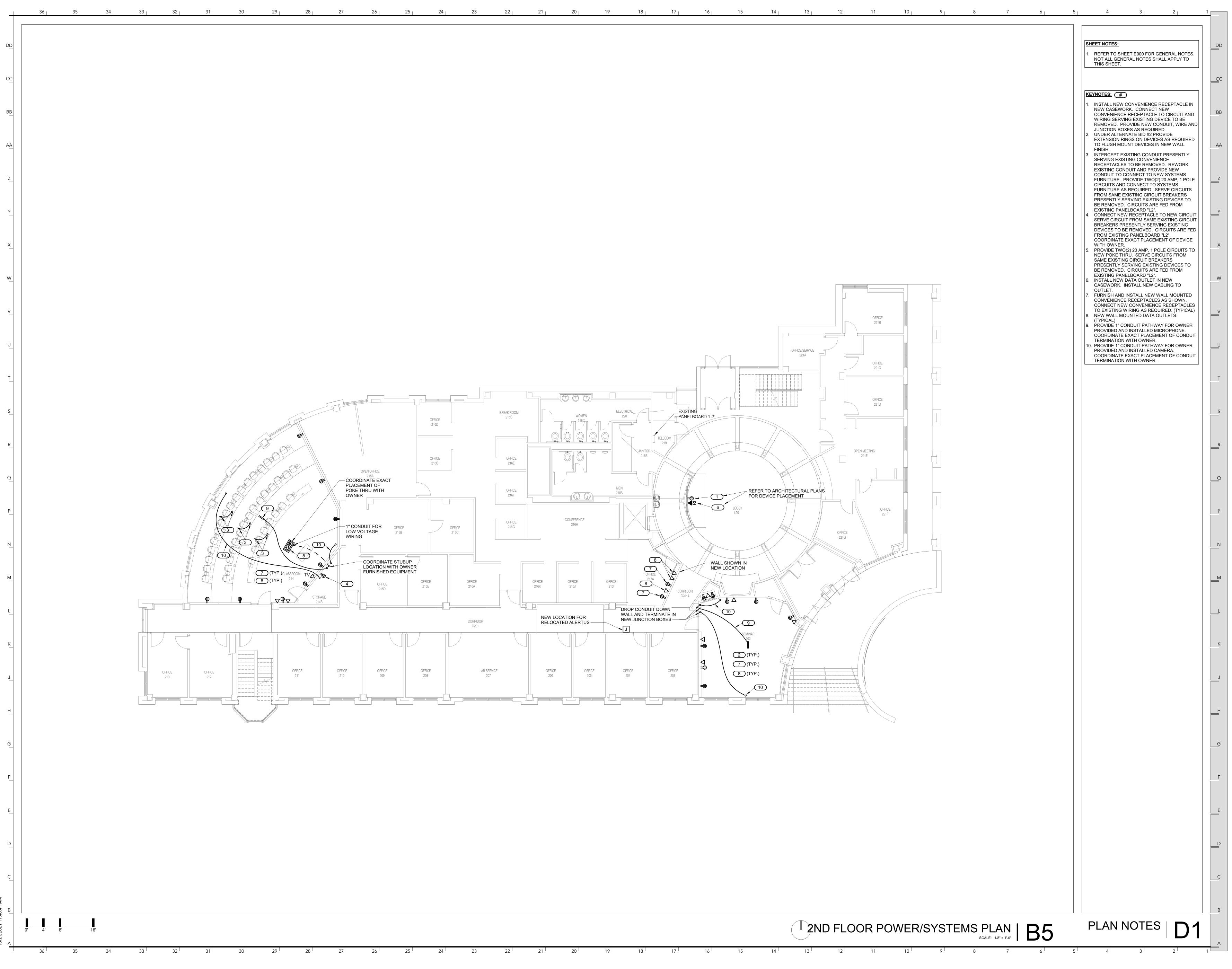
SEAL:



The Professional Engineer's seal affixed to this sheet applies only to the material and items shown on this sheet. All drawings, instruments, or other documents not exhibiting this seal shall not be considered prepared by this engineer, and this engineer expressly disclaims any and all responsibility for such plans, drawings, or documents not exhibiting this seal.

NO.	REVISION SUBMISSION	DATE
0	ISSUED FOR BID	10/27/2021







MEP CONSULTANT IMEG CORP. 1600 BALTIMORE KANSAS CITY, MO 64108 PH: 816.842.837

BP

AA

V



FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI

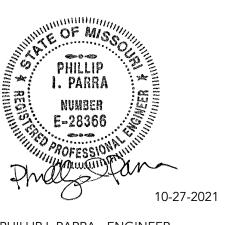
LEE HILLS HALL -
RENOVATE
SPACES FOR
NOVAK
LEADERSHIP
INSTITUTE
THE UNIVERSITY OF MISSOURI

ISSUED FOR BID

221 S 8th St Columbia, MO 65201

DATE: PROJ. NO.:	10/27/2021 CP220031
DESIGNED BY:	PIP
DRAWN BY:	PIP
CHECKED BY:	PIP
APPROVED BY:	PIP

SEAL:



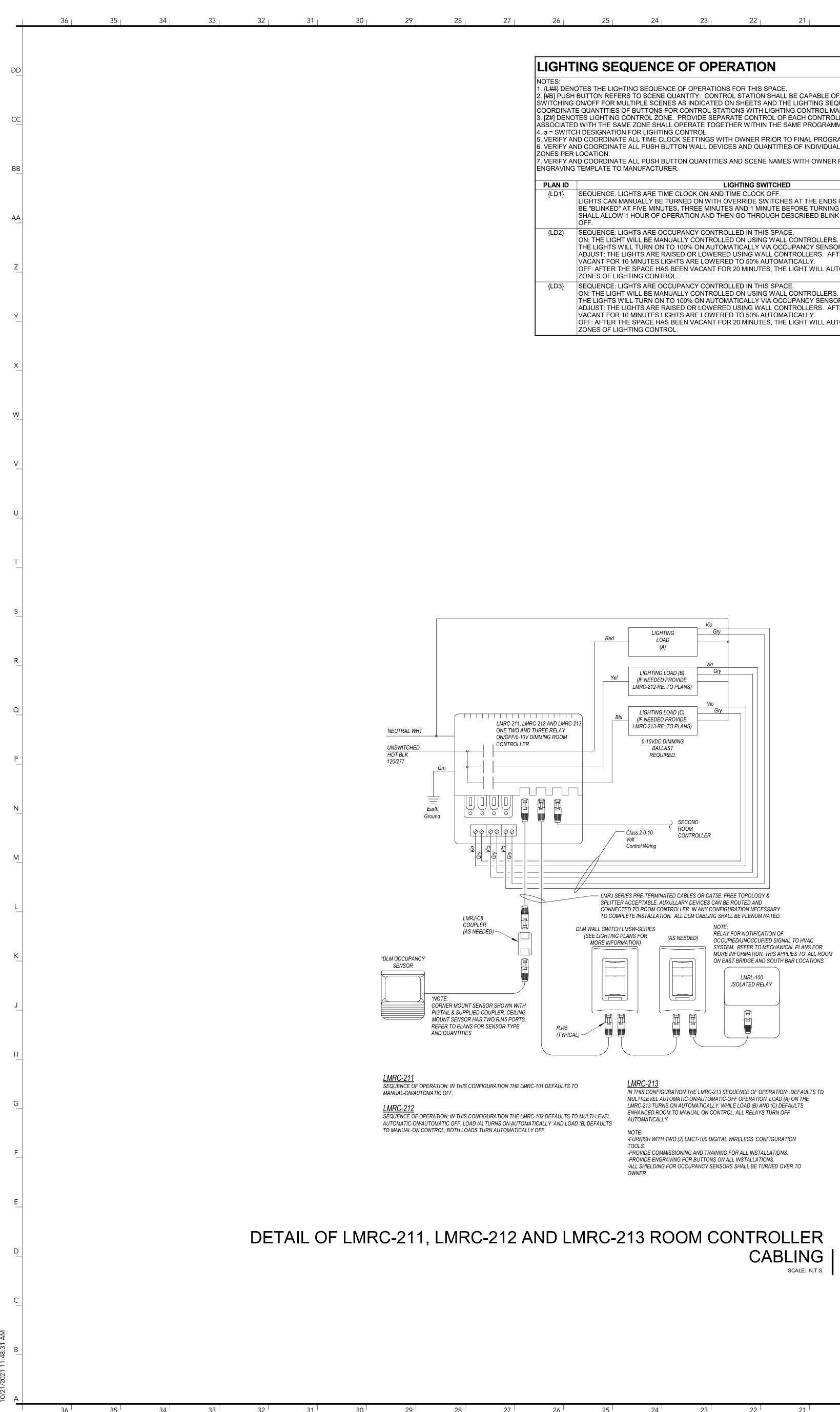
PHILLIP I. PARRA - ENGINEER MO#: E-28366 The Professional Engineer's seal affixed to this sheet applies only

to the material and items shown on this sheet. All drawings, instruments, or other documents not exhibiting this seal shall not be considered prepared by this engineer, and this engineer expressly disclaims any and all responsibility for such plans, drawings, or documents not exhibiting this seal.

NO.	REVISION SUBMISSION	DATE
0	ISSUED FOR BID	10/27/2021

2ND FLOOR POWER/SYSTEMS





)	25	24	23	22	21	20	19	18	17	16	15	14	

SEQUENCE OF OPERATION	LED LUMINAIRE SCH	EDULE												
THE LIGHTING SEQUENCE OF OPERATIONS FOR THIS SPACE. ON REFERS TO SCENE QUANTITY. CONTROL STATION SHALL BE CAPABLE OF [RAISE/LOWER AND] FF FOR MULTIPLE SCENES AS INDICATED ON SHEETS AND THE LIGHTING SEQUENCE OF OPERATIONS {L##}. NTITIES OF BUTTONS FOR CONTROL STATIONS WITH LIGHTING CONTROL MANUFACTURER. GHTING CONTROL ZONE. PROVIDE SEPARATE CONTROL OF EACH CONTROLLED ZONE. LUMINAIRES A THE SAME ZONE SHALL OPERATE TOGETHER WITHIN THE SAME PROGRAMMED SCENE. IGNATION FOR LIGHTING CONTROL ORDINATE ALL TIME CLOCK SETTINGS WITH OWNER PRIOR TO FINAL PROGRAMMING. ORDINATE ALL PUSH BUTTON WALL DEVICES AND QUANTITIES OF INDIVIDUAL BUTTONS WITH SCENES AND FION. ORDINATE ALL PUSH BUTTON QUANTITIES AND SCENE NAMES WITH OWNER PRIOR TO SUBMITTING LATE TO MANUFACTURER.	(DESC) DOOR:DISTRIBUTFA - FLAT ALUMINUMII - ANSI/IIFS - FLAT STEELIII - ANSI/IIFS - FLAT STEELIII - ANSI/IIRA - REGRESSED ALUMINUMIV - ANSI/IRS - REGRESSED STEELV - ANSI/IFINISH:PAF - PAINT AFTER FABRICATIONCFSA - COLOR-FINISH SELECTION BY ARCHITEC(MTG) MOUNTING:RE - REC		DISTRIBUTION: II - ANSI/IES TYPE 2 DISTRIBUTION III - ANSI/IES TYPE 3 DISTRIBUTION IV - ANSI/IES TYPE 4 DISTRIBUTION V - ANSI/IES TYPE 5 DISTRIBUTION		ר 5 ע ע	BEAMWIDTH: NSP - VERY NARROW SPOT SP - SPOT MD - MEDIUM WD - WIDE VWD - VERY WIDE WW - WALL WASH			(L/L) LENS/LOUVER: A125" ACRYLIC B - BAFFLE/LOUVER C - CLEAR ALZAK F - FROSTED ACRYLIC G - TEMPERED GLASS K - KSH12 .125" ACRYLIC (WATT) PER: FIX - FIXTURE, (TYPE) LED			IXTURE, FT -	K19 - KSH19 .156" ACRYLIC M - MATTE DIFFUSE CLEAR N - NONE P - POLYCARBONATE R - HIGH IMPACT DR ACRYLIC SS - SEMI-SPECULAR CLEAR O - OTHER (SEE DESCRIPTION) [DESIGN SPECIFIC BLANKS] E, FT - FOOT, LAMP RGB - COLOR CHANGING LED	
	CV - COVE	SU - SURFACE								,	MITTING DIODE		RGBW -	- COLOR CHANGING + WHITE
LIGHTING SWITCHED JENCE: LIGHTS ARE TIME CLOCK ON AND TIME CLOCK OFF.	FR - FLANGED RECESSED P - PERIMETER		ABINET							:d - Tubul/ Ed - Organ				COLOR CHANGING + AMBER RETROFIT LED
TS CAN MANUALLY BE TURNED ON WITH OVERRIDE SWITCHES AT THE ENDS OF CORRIDOR. LIGHTS SHALL LINKED" AT FIVE MINUTES, THREE MINUTES AND 1 MINUTE BEFORE TURNING OFF. OVERRIDE SWITCHES	P - PERIMETER PL - POLE	WL - WALL O - OTHER (SE	E DESCRIP	TION)							NIC LED 11C TUNABLE LE	Ð		WARM DIM LED
L ALLOW 1 HOUR OF OPERATION AND THEN GO THROUGH DESCRIBED BLINK SEQUENCE BEFORE TURNING	(TYPE) DRIVER:	, , , , , , , , , , , , , , , , , , ,		,					I					
ENCE: LIGHTS ARE OCCUPANCY CONTROLLED IN THIS SPACE.	0-10V - 0-10V DIMMING	EB - ELECTRO					LOW (100%/50%	•	IM					JLTI-VOLTAGE ELECTRONIC
HE LIGHT WILL BE MANUALLY CONTROLLED ON USING WALL CONTROLLERS. AFTER DETECTING MOTION, IGHTS WILL TURN ON TO 100% ON AUTOMATICALLY VIA OCCUPANCY SENSOR.	DALI - DIGITAL ADDRESSABLE DMX - DIGITAL MULTIPLEX	ELV - ELECTRO EM - EMERGEN					E VOLTAGE DIM I-LEVEL SWITCH							REMOTE IER (SEE DESCRIPTION)
ST: THE LIGHTS ARE RAISED OR LOWERED USING WALL CONTROLLERS. AFTER THE SPACE HAS BEEN NT FOR 10 MINUTES LIGHTS ARE LOWERED TO 50% AUTOMATICALLY.	CATALOG NUMBER SHALL NOT BE CONSID COORDINATED WITH THE CATALOG NUMB				NOT BE OR	DERED B	Y MANUFACTUR	ER AND (RIPTION AI	· · · ·
OF LIGHTING CONTROL.					DIMENSIONS WATT		IONS WATT			LED		DRIV	/ER	
							ANSI				DELIVERED			1
							WATT	1 1					1	
	ITEM DESCRIPTION		MTG	L	W	H	DIA. S		TYPE	QTY	LUMENS (MIN)	VOLTS	TYPE	
	NIGHT LIGHT, RECESSED WALL MO A.F.F., ALUMINUM COVER PLATE W POLYCARBONATE SPREAD LENS, INDOOR/OUTDOOR LISTED. [CUSTO SELECTION BY ARCHITECT.	UNT @ 18" TH PM] COLOR	WL		4 9/32"	H 5 5/8"	DIA. S 0 W	FIX		1	LUMENS (MIN)	120-277 V 120-277 V		ALKCO 103 VISTA XF21-1LG5 KENALL MSL
	NIGHT LIGHT, RECESSED WALL MO A.F.F., ALUMINUM COVER PLATE W POLYCARBONATE SPREAD LENS, INDOOR/OUTDOOR LISTED. [CUSTO SELECTION BY ARCHITECT.ADIRECT TROFFER FOR LED LIGHT F DIFFUSE MATTE ACRYLIC SHIELDIN FIXTURE STEEL POST PAINTED BAY ENAMEL.	UNT @ 18" TH DM] COLOR IXTURE. O IG. G. G. G.	RE	L 10 5/8" 4'-0"	4 9/32" 2'-0"	4 1/2"	DIA. S 0 W 32 W	FIX	LED	1	LUMENS (MIN) 3500K CCT, 3500 LUMENS, 80 CRI	120-277 V 120-277 V 120 V 120-277 V	0-10V	ALKCO 103 VISTA XF21-1LG5 KENALL MSL NULITE BRM2 SERIES
	NIGHT LIGHT, RECESSED WALL MO A.F.F., ALUMINUM COVER PLATE W POLYCARBONATE SPREAD LENS, INDOOR/OUTDOOR LISTED. [CUSTO SELECTION BY ARCHITECT.ADIRECT TROFFER FOR LED LIGHT F DIFFUSE MATTE ACRYLIC SHIELDIN FIXTURE STEEL POST PAINTED BAY ENAMEL.B1RECESSED DOWNLIGHT. LOW PRO WIDE DISTRIBUTION. CLEAR DIFFUSE	UNT @ 18" TH OM] COLOR SIXTURE. O IG. KED WHITE OFILE. O	WL		4 9/32" 2'-0"	4 1/2"	DIA. S 0 W	FIX		1	LUMENS (MIN) 3500K CCT, 3500 LUMENS, 80 CRI 3500K CCT, 1571 LUMENS,	120-277 V 120-277 V120 V	0-10V	ALKCO 103 VISTA XF21-1LG5 KENALL MSL NULITE BRM2 SERIES
	 NIGHT LIGHT, RECESSED WALL MO A.F.F., ALUMINUM COVER PLATE W POLYCARBONATE SPREAD LENS, INDOOR/OUTDOOR LISTED. [CUSTO SELECTION BY ARCHITECT. DIRECT TROFFER FOR LED LIGHT F DIFFUSE MATTE ACRYLIC SHIELDIN FIXTURE STEEL POST PAINTED BAY ENAMEL. RECESSED DOWNLIGHT. LOW PRO WIDE DISTRIBUTION. CLEAR DIFFU REFLECTOR. 2" SQUARE ADJUSTABLE DOWNLIG MEDIUM DISTRIBUTION. STANDARI 	UNT @ 18" TH OM] COLOR G. G. G. G. G. G. G. G. G. G. G. G. G.	RE RE		4 9/32" 2'-0"	4 1/2"	DIA. S 0 W 32 W	FIX FIX FIX	LED	1 1 1 1 1 1	LUMENS (MIN) 3500K CCT, 3500 LUMENS, 80 CRI 3500K CCT, 1571 LUMENS, 80 CRI 3500K CCT, 900 LUMENS,	120-277 V 120-277 V 120 V 120-277 V 120-277 V	0-10V 0-10V	ALKCO 103 VISTA XF21-1LG5 KENALL MSL NULITE BRM2 SERIES
	 NIGHT LIGHT, RECESSED WALL MO A.F.F., ALUMINUM COVER PLATE W POLYCARBONATE SPREAD LENS, INDOOR/OUTDOOR LISTED. [CUSTO SELECTION BY ARCHITECT. DIRECT TROFFER FOR LED LIGHT F DIFFUSE MATTE ACRYLIC SHIELDIN FIXTURE STEEL POST PAINTED BAY ENAMEL. RECESSED DOWNLIGHT. LOW PRO WIDE DISTRIBUTION. CLEAR DIFFU REFLECTOR. 2" SQUARE ADJUSTABLE DOWNLIG MEDIUM DISTRIBUTION. STANDARI CLEAR SPECULAR REFLECTOR. DIRECT LINEAR FIXTURE FOR LED FIXTURE. ANGLE FROSTED LENS S FIXTURE STEEL POST PAINTED BAY ENAMEL. 625 LUMENS PER FOOT. 	UNT @ 18" TH OM] COLOR G. G. G. G. G. G. G. G. G. G. G. G. G.	RE RE	4'-0"	4 9/32" 2'-0"	4 1/2" 8 51/256"	DIA. S 0 W 32 W 3 1/2"	FIX FIX FIX	LED	1 1 1 1 1	LUMENS (MIN) 3500K CCT, 3500 LUMENS, 80 CRI 3500K CCT, 1571 LUMENS, 80 CRI 3500K CCT,	120-277 V 120-277 V 120 V 120-277 V 120 V 120-277 V	0-10V 0-10V 0-10V	ALKCO 103 VISTA XF21-1LG5 KENALL MSL NULITE BRM2 SERIES FOCAL POINT FLC4D SERIES WILLIAMS 2AS SERIES
	 NIGHT LIGHT, RECESSED WALL MO A.F.F., ALUMINUM COVER PLATE W POLYCARBONATE SPREAD LENS, INDOOR/OUTDOOR LISTED. [CUSTO SELECTION BY ARCHITECT. DIRECT TROFFER FOR LED LIGHT F DIFFUSE MATTE ACRYLIC SHIELDIN FIXTURE STEEL POST PAINTED BAY ENAMEL. RECESSED DOWNLIGHT. LOW PRO WIDE DISTRIBUTION. CLEAR DIFFU REFLECTOR. 2" SQUARE ADJUSTABLE DOWNLIG MEDIUM DISTRIBUTION. STANDARI CLEAR SPECULAR REFLECTOR. DIRECT LINEAR FIXTURE FOR LED FIXTURE. ANGLE FROSTED LENS S FIXTURE STEEL POST PAINTED BAY 	UNT @ 18" TH DM] COLOR GINTURE. IG. GED WHITE DFILE. OFIC. OFILE. OFILE. OFIC. OFILE. OFIC. OFILE. OFIC. O	WL RE RE RE RE	4'-0"	4 9/32" 2'-0" 2 1/2"	4 1/2" 8 51/256" 6"	DIA. S 0 W 32 W 3 1/2" 15 W	FIX FIX FIX FIX	LED LED	1 1 1 1 1 1	LUMENS (MIN) 3500K CCT, 3500 LUMENS, 80 CRI 3500K CCT, 1571 LUMENS, 80 CRI 3500K CCT, 900 LUMENS, 80 CRI 3500K CCT, 2491 LUMENS,	120-277 V 120-277 V 120 V 120-277 V 120-277 V 120-277 V 120-277 V	0-10V 0-10V 0-10V 0-10V	ALKCO 103 VISTA XF21-1LG5 KENALL MSL NULITE BRM2 SERIES FOCAL POINT FLC4D SERIES WILLIAMS 2AS SERIES FOCAL POINT SEEM 4 FSM 4A
	 NIGHT LIGHT, RECESSED WALL MO A.F.F., ALUMINUM COVER PLATE W POLYCARBONATE SPREAD LENS, INDOOR/OUTDOOR LISTED. [CUSTO SELECTION BY ARCHITECT. DIRECT TROFFER FOR LED LIGHT F DIFFUSE MATTE ACRYLIC SHIELDIN FIXTURE STEEL POST PAINTED BAY ENAMEL. RECESSED DOWNLIGHT. LOW PRO WIDE DISTRIBUTION. CLEAR DIFFU REFLECTOR. 2" SQUARE ADJUSTABLE DOWNLIG MEDIUM DISTRIBUTION. STANDARI CLEAR SPECULAR REFLECTOR. DIRECT LINEAR FIXTURE FOR LED I FIXTURE. ANGLE FROSTED LENS S FIXTURE STEEL POST PAINTED BAY ENAMEL. 625 LUMENS PER FOOT. MOUNTING IN A GYP BD CEILING. D12 DIRECT LINEAR FIXTURE FOR LED I FIXTURE. DIFFUSE MATTE ACRYLIC SHIELDING. FIXTURE STEEL POST BAKED WHITE ENAMEL. MOUNTING CEILING. E LED EMERGENCY LIGHT AND EXIT S BRONZE HOUSING WITH RED LETT FURNISH WITH NECESSARY MOUN HARDWARE FOR CEILINGS OR WAL MOUNTING AND CONFIGURE FACES 	UNT @ 18" TH OM] COLOR G. G. G. G. G. G. G. G. G. G. G. G. G.	WL RE	4'-0" 2 1/2" 6'-0" 14'-0" 14'-0"	4 9/32" 2'-0" 2 1/2" 4"	4 1/2" 8 51/256" 6" 5"	DIA. S 0 W 0 W 32 W 32 W 3 1/2" 19 W 15 W 33 W 66 W 66 W	FIX FIX FIX FIX	LED LED LED	1 1 1 1 1 1	LUMENS (MIN) 3500K CCT, 3500 LUMENS, 80 CRI 3500K CCT, 1571 LUMENS, 80 CRI 3500K CCT, 900 LUMENS, 80 CRI 3500K CCT, 2491 LUMENS, 80 CRI 3500K CCT, 2491 LUMENS,	120-277 V 120-277 V 120 V 120-277 V 120-277 V 120-277 V 120 V 120-277 V	0-10V 0-10V 0-10V 0-10V 0-10V	ALKCO 103 VISTA XF21-1LG5 KENALL MSL NULITE BRM2 SERIES FOCAL POINT FLC4D SERIES WILLIAMS 2AS SERIES FOCAL POINT SEEM 4 FSM 4/ SERIES
	 NIGHT LIGHT, RECESSED WALL MO A.F.F., ALUMINUM COVER PLATE W POLYCARBONATE SPREAD LENS, INDOOR/OUTDOOR LISTED. [CUSTO SELECTION BY ARCHITECT. DIRECT TROFFER FOR LED LIGHT F DIFFUSE MATTE ACRYLIC SHIELDIN FIXTURE STEEL POST PAINTED BAY ENAMEL. RECESSED DOWNLIGHT. LOW PRO WIDE DISTRIBUTION. CLEAR DIFFU REFLECTOR. 2" SQUARE ADJUSTABLE DOWNLIG MEDIUM DISTRIBUTION. STANDARI CLEAR SPECULAR REFLECTOR. DIRECT LINEAR FIXTURE FOR LED I FIXTURE. ANGLE FROSTED LENS S FIXTURE STEEL POST PAINTED BAY ENAMEL. 625 LUMENS PER FOOT. MOUNTING IN A GYP BD CEILING. D12 DIRECT LINEAR FIXTURE FOR LED I FIXTURE. DIFFUSE MATTE ACRYLIG SHIELDING. FIXTURE STEEL POST BAKED WHITE ENAMEL. MOUNTING CEILING. E LED EMERGENCY LIGHT AND EXIT BRONZE HOUSING WITH RED LETT FURNISH WITH NECESSARY MOUN HARDWARE FOR CEILINGS OR WAL MOUNTING AND CONFIGURE FACES ARROWS AS SHOWN ON PLAN. PR WITH EMERGENCY BATTERY BACK 	UNT @ 18" TH OM] COLOR G. G. G. G. G. G. G. G. G. G.	WL RE	4'-0" 2 1/2" 6'-0" 14'-0" 1'-8" 5 REQ'D	4 9/32" 2'-0" 2 1/2" 4" 4"	4 1/2" 8 51/256" 6" 5" 5"	DIA. S 0 W 0 W 32 W 32 W 3 1/2" 19 W 15 W 33 W 66 W 66 W	FIX FIX FIX FIX FIX FIX	LED LED LED	1 1 1 1 1 1 1 1 AS	LUMENS (MIN) 3500K CCT, 3500 LUMENS, 80 CRI 3500K CCT, 1571 LUMENS, 80 CRI 3500K CCT, 900 LUMENS, 80 CRI 3500K CCT, 2491 LUMENS, 80 CRI 3500K CCT, 4,982 LUMENS, 80 CRI	120-277 V 120-277 V 120-277 V 120-277 V 120-277 V 120-277 V 120-277 V 120-277 V 120-277 V 120-277 V	0-10V 0-10V 0-10V 0-10V 0-10V	ALKCO 103 VISTA XF21-1LG5 KENALL MSL NULITE BRM2 SERIES FOCAL POINT FLC4D SERIES WILLIAMS 2AS SERIES FOCAL POINT SEEM 4 FSM 4A SERIES FOCAL POINT SEEM 4 FSM 4A SERIES
	NIGHT LIGHT, RECESSED WALL MO A.F.F., ALUMINUM COVER PLATE W POLYCARBONATE SPREAD LENS, INDOOR/OUTDOOR LISTED. [CUSTO SELECTION BY ARCHITECT. A DIRECT TROFFER FOR LED LIGHT F DIFFUSE MATTE ACRYLIC SHIELDIN FIXTURE STEEL POST PAINTED BAY ENAMEL. B1 RECESSED DOWNLIGHT. LOW PRO WIDE DISTRIBUTION. CLEAR DIFFU REFLECTOR. C 2" SQUARE ADJUSTABLE DOWNLIG MEDIUM DISTRIBUTION. STANDARI CLEAR SPECULAR REFLECTOR. D6 DIRECT LINEAR FIXTURE FOR LED I FIXTURE. ANGLE FROSTED LENS S FIXTURE STEEL POST PAINTED BAY ENAMEL. 625 LUMENS PER FOOT. MOUNTING IN A GYP BD CEILING. D12 DIRECT LINEAR FIXTURE FOR LED I FIXTURE. DIFFUSE MATTE ACRYLIC SHIELDING. FIXTURE STEEL POST BAKED WHITE ENAMEL. MOUNTING CEILING. E LED EMERGENCY LIGHT AND EXITS BRONZE HOUSING WITH RED LETT FURNISH WITH NECESSARY MOUNY HARDWARE FOR CEILINGS OR WAL MOUNTING AND CONFIGURE FACES ARROWS AS SHOWN ON PLAN. PR	UNT @ 18" TH OM] COLOR G. G. G. G. G. G. G. G. G. G. G. G. G.	WL RE	4'-0" 2 1/2" 6'-0" 14'-0" 14'-0"	4 9/32" 2'-0" 2 1/2" 4" 4"	4 1/2" 8 51/256" 6" 5" 5"	DIA. S 0 W 0 W 32 W 32 W 3 1/2" 19 W 15 W 33 W 66 W 66 W	FIX FIX FIX FIX FIX FIX FIX FIX FIX	LED LED LED	1 1 1 1 1 1 1 4S SHOWN	LUMENS (MIN) 3500K CCT, 3500 LUMENS, 80 CRI 3500K CCT, 1571 LUMENS, 80 CRI 3500K CCT, 900 LUMENS, 80 CRI 3500K CCT, 2491 LUMENS, 80 CRI 3500K CCT, 4,982 LUMENS, 80 CRI	120-277 V 120-277 V	0-10V 0-10V 0-10V 0-10V 0-10V EM	ALKCO 103 VISTA XF21-1LG5 KENALL MSL NULITE BRM2 SERIES FOCAL POINT FLC4D SERIES WILLIAMS 2AS SERIES FOCAL POINT SEEM 4 FSM 44 SERIES FOCAL POINT SEEM 4 FSM 44 SERIES
LIGHTING Gry	NIGHT LIGHT, RECESSED WALL MO A.F.F., ALUMINUM COVER PLATE W POLYCARBONATE SPREAD LENS, INDOOR/OUTDOOR LISTED. [CUSTO SELECTION BY ARCHITECT.ADIRECT TROFFER FOR LED LIGHT F DIFFUSE MATTE ACRYLIC SHIELDIN FIXTURE STEEL POST PAINTED BAY ENAMEL.B1RECESSED DOWNLIGHT. LOW PRO WIDE DISTRIBUTION. CLEAR DIFFU REFLECTOR.C2" SQUARE ADJUSTABLE DOWNLIG MEDIUM DISTRIBUTION. STANDARI CLEAR SPECULAR REFLECTOR.D6DIRECT LINEAR FIXTURE FOR LED I FIXTURE STEEL POST PAINTED BAY ENAMEL. 625 LUMENS PER FOOT. MOUNTING IN A GYP BD CEILING.D12DIRECT LINEAR FIXTURE FOR LED I FIXTURE. DIFFUSE MATTE ACRYLIC SHIELDING. FIXTURE STEEL POST BAKED WHITE ENAMEL. MOUNTING CEILING.D12DIRECT LINEAR FIXTURE FOR LED I FIXTURE. DIFFUSE MATTE ACRYLIC SHIELDING. FIXTURE STEEL POST BAKED WHITE ENAMEL. MOUNTING CEILING.ELED EMERGENCY LIGHT AND EXIT S BRONZE HOUSING WITH RED LETT FURNISH WITH NECESSARY MOUN HARDWARE FOR CEILINGS OR WALL MOUNTING AND CONFIGURE FACES ARROWS AS SHOWN ON PLAN. PR WITH EMERGENCY BATTERY BACK SELF-DIAGNOSTIC TEST.FLINEAR TAPE LIGHT MOUNTED IN C CHANNEL RECESSED IN WALL. CO	UNT @ 18" TH OM] COLOR IXTURE. IG. G. G. G. G. G. G. G. G. G.	WL RE RE	4'-0" 2 1/2" 6'-0" 14'-0" 14'-0"	4 9/32" 2'-0" 2 1/2" 4" 4" 2" 2 113/256"	4 1/2" 8 51/256" 6" 5" 5"	DIA. S 0 W 0 W 32 W 32 W 3 1/2" 19 W 15 W 33 W 66 W 5 W	FIX FIX FIX FIX FIX FIX FIX FIX FIX	LED LED LED LED	1 1 1 1 1 1 1 4 SHOWN 1 1	LUMENS (MIN) 3500K CCT, 3500 LUMENS, 80 CRI 3500K CCT, 1571 LUMENS, 80 CRI 3500K CCT, 900 LUMENS, 80 CRI 3500K CCT, 2491 LUMENS, 80 CRI 3500K CCT, 4,982 LUMENS, 80 CRI L.E.D. 3500K 410	120-277 V 120-277 V 120 V 120-277 V 120 V 120-277 V 120-277 V 120-277 V 120-277 V 120-277 V	0-10V 0-10V 0-10V 0-10V 0-10V EM EM	ALKCO 103 VISTA XF21-1LG5 KENALL MSL NULITE BRM2 SERIES FOCAL POINT FLC4D SERIES WILLIAMS 2AS SERIES FOCAL POINT SEEM 4 FSM 44 SERIES FOCAL POINT SEEM 4 FSM 44 SERIES BOW LIGHTING LEDCXTEU2RB

CABLING D19



INTERNATIONAL ARCHITECTS ATELIER 912 BROADWAY BLVD, SUITE 300 | KANSAS CITY, MO 64105 P: 816 471 6522 | F: 816.471.3755 | W: I-A-A.COM MISSOURI STATE CERTIFICATE OF AUTHORITY #000582

MEP CONSULTANT IMEG CORP. 1600 BALTIMORE KANSAS CITY, MO 64108 PH: 816.842.837

BB

W



FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI

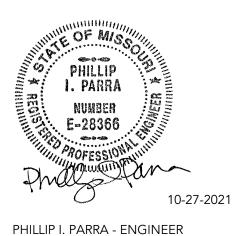


ISSUED FOR BID

221 S 8th St Columbia, MO 65201

10/27/2021 CP220031
ESA
ESA
PIP
PIP

SEAL:



MO#: E-28366 The Professional Engineer's seal affixed to this sheet applies only to the material and items shown on this sheet. All drawings,

instruments, or other documents not exhibiting this seal shall not be considered prepared by this engineer, and this engineer expressly disclaims any and all responsibility for such plans, drawings, or documents not exhibiting this seal.

NO.	REVISION SUBMISSION	DATE
0	ISSUED FOR BID	10/27/2021



1

2