ADDENDUM # 2

January 18, 2019

PROJECT: South Texas College Pecan Campus
BUILDING D RENOVATION
RFP #18-19-1038

ARCHITECT: **EGV Architects, Inc.**
220 S. Bridge
Hidalgo, TX 78557
(956) 843-2987

This addendum applies to work designated herein, shall be understood to be and as such shall be part and is included in the contract.

ITEM #1 Clarification, Mechanical and Electrical Addendum

- Refer to attached mechanical and electrical addendum labeled **ATTACHMENT #1** (4 sheets)

NOTIFICATION: It is the responsibility of the General Contractor to notify all of his subcontractors of the contents of all addenda.

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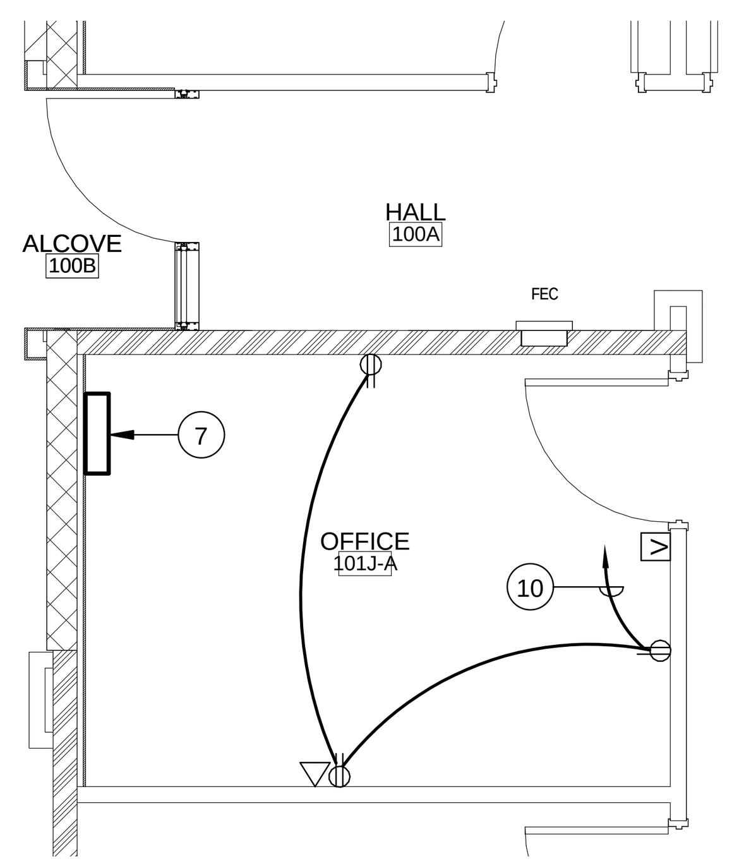
1/18/2019

ADDENDUM #2

Project Name: South Texas College
Pecan Campus BLDG-D office renovations
Project Number: 18.3.24
Architect: EGV Architects Inc.
Date: 1/18/2019

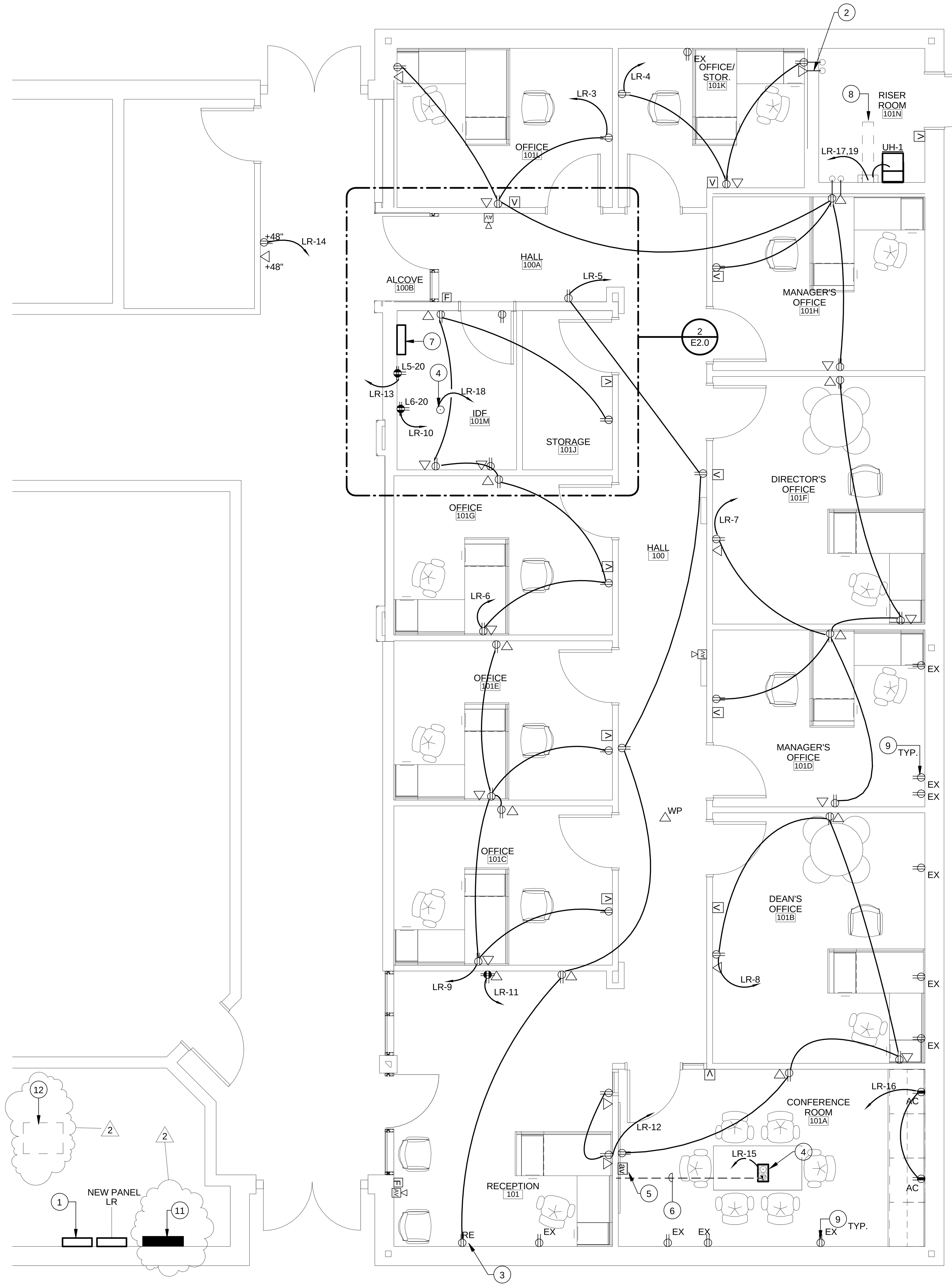
Note: The work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract Time.

I. Specifications: N/A
II. General: N/A
III. Mechanical:
    A. Mechanical contractor shall vacuum out existing supply and return air ductwork during the remodel phase before tying new ductwork in.
IV. Electrical:
    A. Sheet ED1.0 – Existing Fire Sprinkler room, electrical and fire alarm to existing fire sprinkler system. Existing fire communicator panel to be relocated to new location, refer to remodel plans. Refer to attachment.
    B. Sheet E2.0 – Existing fire communicator panel new location and existing transformer location. Refer to attachment.
    C. Sheet E2.0 - All new fire alarm device to route back to existing fire panel, approximately 250', field verify exact location. All new fire alarm wiring shall be above existing and new ceiling. Provide new j-hooks for new cable route.
    D. Sheet E3.0 – Review panel schedule LR, refer to attachment.
V. Plumbing: N/A
VI. Fire Protection: N/A



ELECTRICAL DEDUCTIVE ALTERNATE

2 SCALE: 1/4" = 1'-0"



ELECTRICAL POWER PLAN

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

GENERAL NOTES- POWER

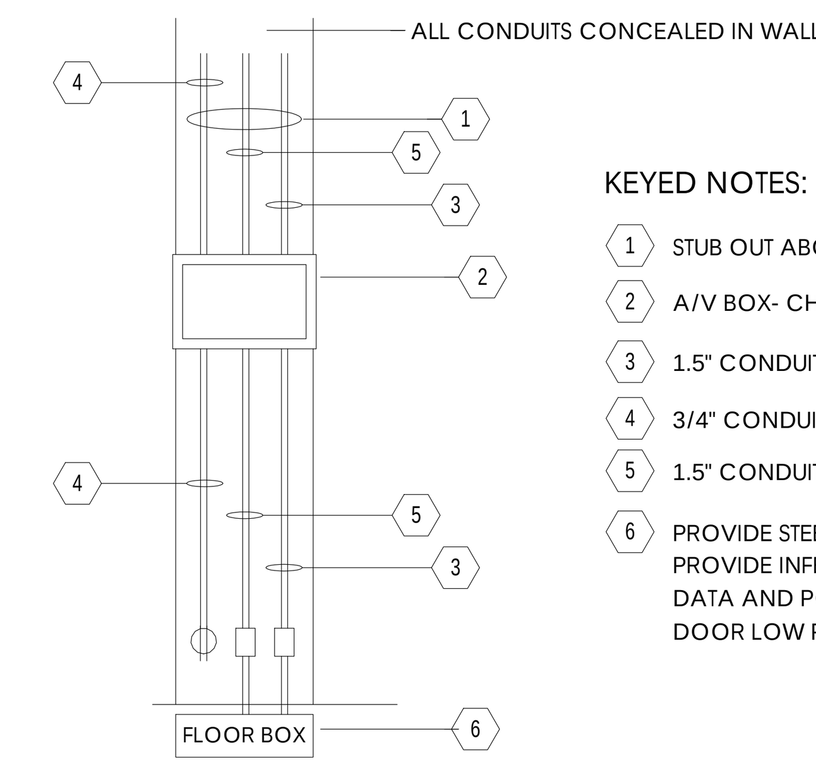
A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF ALL POWER SOURCE WIRING IN ACCORDANCE WITH ARCHITECTURAL MILLWORK.
B. ELECTRICAL CONTRACTOR SHALL MAKE FINAL CONNECTION TO H.V.A.C EQUIPMENT, PLUMBING EQUIPMENT, REFER TO PANEL SCHEDULE FOR WIRE SIZE.
C. ELECTRICAL CONTRACTOR SHALL PROVIDE STARTERS, RELAYS, CONTACTORS AND THE REQUIRED ELECTRICAL ACCESSORIES FOR MECHANICAL SYSTEM AS REQUIRED.
D. COORDINATE EXACT LOCATION OF ALL MECHANICAL EQUIPMENT IN ACCORDANCE W/MECHANICAL DRAWINGS TO MEET ELECTRICAL AND MECHANICAL REQUIRED CLEARANCE BY THE LATEST CODE.
E. COORDINATE EXACT LOCATION OF ISOLATED OUTLETS FOR COMPUTERS WITH OWNER.
F. ELECTRICAL CONTRACTOR SHALL PROVIDE J-BOX AND CONDUIT FOR H.V.A.C. CONTROLS AND THERMOSTATS. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR.
G. NEMA RATED OUTLETS, REFER TO BREAKER SIZE AND COORDINATE WITH EQUIPMENT REQUIREMENTS PRIOR TO BID.
H. ALL NEW FIRE ALARM DEVICE SHALL TIE INTO EXISITNG FIRE ALARM SYSTEM.

KEYED NOTES- ELECTRICAL

1	NEW LOCATION OF PANEL 'CC'. FIELD VERIFY EXACT LOCATION.
2	EXPOSED CONDUIT.
3	EXISTING ELECTRICAL RECEPTACLE TO BE REPLACED.
4	FLOOR SURFACE QUAD/DATA DEVICE, REFER TO DETAIL #02 ON THIS SHEET.
5	WALL AUDIO/VIDEO BOX, REFER TO DETAIL #01 ON THIS SHEET.
6	FLOOR SURFACE WIREWAY CONTAINING CABLING, REFER TO DETAIL.
7	EXISTING PANEL 'CC' TO BE RELOCATED TO NEW LOCATION. REFER TO KEYNOTE #1. PROVIDE NEW WIREWAY ABOVE THE CEILING TO EXTEND ALL EXISTING CONDUITS/CIRCUITS TO NEW PANEL LOCATION.
8	NEW 30A, 240V, NEMA-1, H.D., NON-FUSED DISCONNECT FOR UNIT HEATER.
9	EXISTING OUTLETS CONCEALED IN WALL. REMOVE ELECTRICAL OUTLET AND PROVIDE BLANK WALL PLATE.
10	ROUTE TO NEW PANEL "LR". PROVIDE 1-20 AMP, 120V, 1-POLE BREAKER. WIRE SHALL BE 2#12, 1#12G, 1/2"C.
11	EXISTING COMMERCIAL FIRE COMMUNICATOR PANEL NEW LOCATION. FIELD VERIFY EXISTING CONDITIONS PRIOR TO ANY WORK. ALL EXISTING CIRCUITS TO BE ROUTED TO NEW LOCATION.
12	EXISTING PANEL-CC TRANSFORMER. TRANSFORMER LOCATED ON ROOF.

2

01

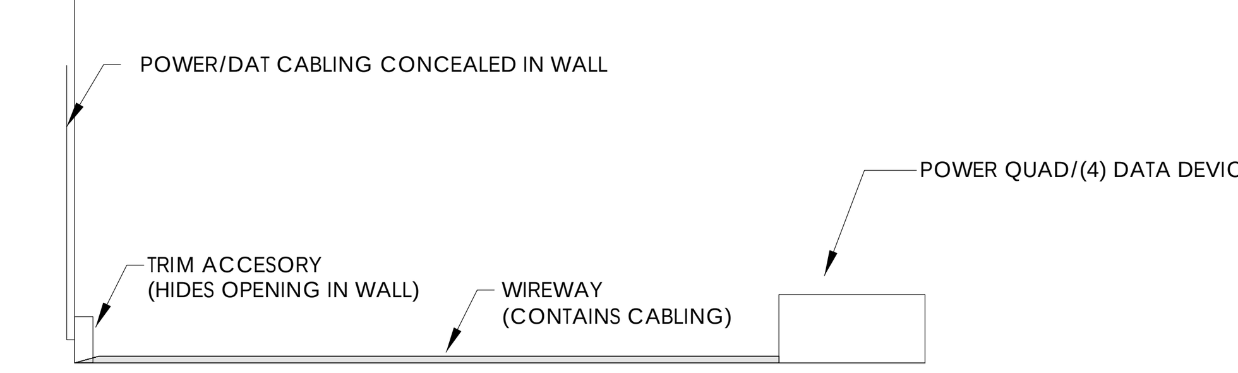


KEYED NOTES:

1. STUB OUT ABOVE SUSPENDED CEILING INTO ROOM SPACE.
2. A/V BOX- CHIEF (PAC525FCW) FLUSH IN NEW WALL.
3. 1.5" CONDUIT FOR A/V.
4. 3/4" CONDUIT FOR POWER
5. 1.5" CONDUIT FOR DATA
6. PROVIDE STEELCASE "THREAD" UNDER CARPET TRACK. PROVIDE INFEED, TRACK AND CONNECTORS FOR BOTH DATA AND POWER ON SINGLE TRACK AND TWO DOOR LOW PROFILE.

WALL PLATE OUTLET- FPM WITH FLOOR BOX

02



FLOOR RACEWAY

NO SCALE

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2	Addendum #2	01-18-19	

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Texas Registered Engineering Firm - F10362
Project number: 18.3.24

SOUTH TEXAS COLLEGE
PECAN CAMPUS BUILDING
"D" OFFICE RENOVATION
MCALLEN TEXAS

PROJECT No.
FILE//

E2.0

GENERAL NOTES:

A. PROVIDE GROUND /BONDING AS INDICATED ON THE NATIONAL ELECTRICAL CODE.
B. NAME PLATES SHALL BE PROVIDED FOR ALL ELECTRICAL SWITCH GEAR, PANEL BOARDS, LIGHTING CONTACTORS, LIGHTING CONTROL PANELS, ETC.. BY ELECTRICAL CONTRACTOR.

C. NEW ELECTRICAL METERING AND SERVICE EQUIPMENT SHALL BE PROVIDED AND INSTALLED ACCORDING TO THE LOCAL POWER UTILITY CO. AND CITY REQUIREMENTS. VERIFY AND COORDINATE WITH POWER UTILITY CO. AND AHJ BEFORE BID AND INSTALLATION.

D. COMPLY WITH NFPA 70E SAFETY REQUIREMENTS.

E. PANELBOARDS WITH MORE THAN 42 CIRCUITS SHALL BE IN ONE CABINET ENCLOSURE, UNLESS OTHERWISE NOTED.

F. PROVIDE 4"CONCRETE PAD FOR ALL DRY-TYPE TRANSFORMERS.

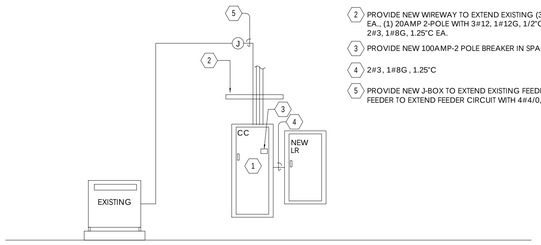
G. ALL TWO SECTION PANELBOARDS SHALL BE FEED THRU LUGS.

H. THE CONTRACTOR SHALL FURNISH SHORT-CIRCUIT AND PROTECTION DEVICE COORDINATE STUDIES WHICH SHALL BE PREPARED BY THE EQUIPMENT GEAR MANUFACTURER.

I. THE CONTRACTOR SHALL FURNISH AN ARC FLASH HAZARD ANALYSIS STUDY PER NFPA 70E-STANDARD FOR ELECTRICAL SAFETY IN THE WORKPLACE, REFERENCE ARTICLE 130.3 AND ANEEX D.

ELECTRICAL RISER DIAGRAM KEYED NOTES:

1. EXISTING PANEL, MFR. SIEMENS 120/208V, 3-PHASE, 4W, 225 AMP, MAIN BREAKER TO BE RELOCATED.
2. PROVIDE NEW WIREWAY TO EXTEND EXISTING (36) 20AMP 1-POLE WITH 2#12, 1#12G, 1/2"C EA., (1) 20AMP 2-POLE WITH 3#12, 1#12G, 1/2"C EA., AND (1) 100AMP 2-POLE CIRCUIT WITH 2#3, 1#8G, 1.25"C EA.
3. PROVIDE NEW 100AMP-2 POLE BREAKER IN SPACE AVAILABLE TO FEED NEW PANEL "LR".
4. 2#3, 1#8G , 1.25"C
5. PROVIDE NEW J-BOX TO EXTEND EXISTING FEEDER TO NEW PANEL LOCATION. PROVIDE NEW FEEDER TO EXTEND FEEDER CIRCUIT WITH 4#4/0, 1#4G, 3"C TO PANELS NEW LOCATION.



1 ELECTRICAL SCHEMATIC DIAGRAM
SCALE: NTS

Branch Panel: LR

Location:
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 120/240 Single
Phases: 1
Wires: 3

A.I.C. Rating: 10
Mains Type: MLO
Mains Rating: 100 A
MCB Rating: 100 A

CKT	Circuit Description	Trip	Poles	Wire Size	A		B		Wire Size	Poles	Trip	Circuit Description	CKT
1	Lighting	20 A	1	2#6,1#10G,1"C	1080 VA	400 VA			2#12,1#12G,1/2"C	1	20 A	Lighting	2
3	Receptacle	20 A	1	2#6,1#10G,1"C			1200 VA	600 VA	2#12,1#12G,1/2"C	1	20 A	Receptacle	4
5	Receptacle	20 A	1	2#10,1#10G,3/4"C	1000 VA	1200 VA			2#8,1#10G,3/4"C	1	20 A	Receptacle	6
7	Receptacle	20 A	1	2#8,1#10G,3/4"C			1200 VA	1000 VA	2#10,1#10G,3/4"C	1	20 A	Receptacle	8
9	Receptacle	20 A	1	2#10,1#10G,3/4"C	1200 VA	600 VA			2#12,1#12G,1/2"C	1	20 A	Receptacle	10
11	Receptacle	20 A	1	2#12,1#12G,1/2"C			600 VA	400 VA	2#12,1#12G,1/2"C	1	20 A	Receptacle	12
13	Receptacle	20 A	1	2#10,1#10G,3/4"C	1200 VA	200 VA			2#12,1#12G,1/2"C	1	20 A	Receptacle	14
15	Other	20 A	1	2#12,1#12G,1/2"C			0 VA	360 VA	2#12,1#12G,1/2"C	1	20 A	Receptacle	16
17	UH-1	20 A	2	3#12, 1#12G, 1/2"C	500 VA	200 VA			2#12,1#12G,1/2"C	1	20 A	Receptacle	18
19	--	--	--	--			500 VA	0 VA	--	--	--	Space	20
21	Space	--	--	--	0 VA	0 VA			--	--	--	Space	22
23	Space	--	--	--			0 VA	0 VA	--	--	--	Space	24
25	Space	--	--	--	0 VA	0 VA			--	--	--	Space	26
27	Space	--	--	--			0 VA	0 VA	--	--	--	Space	28
29	Space	--	--	--	0 VA	0 VA			--	--	--	Space	30
31	Space	--	--	--			0 VA	0 VA	--	--	--	Space	32
33	Space	--	--	--	0 VA	0 VA			--	--	--	Space	34
35	Space	--	--	--			0 VA	0 VA	--	--	--	Space	36
37	Spare	20 A	1		0 VA	0 VA				1	20 A	Spare	38
39	Spare	20 A	1				0 VA	0 VA		1	20 A	Spare	40
41	Spare	20 A	1		0 VA	0 VA				1	20 A	Spare	42
			Total Load:		7580 VA		5860 VA						
			Total Amps:		63 A		49 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	1000 VA	100.00%	1000 VA		
Other	0 VA	100.00%	0 VA	Total Conn. Load:	13440 VA
Receptacle	10960 VA	95.62%	10480 VA	Total Est. Demand:	13330 VA
Lighting	1480 VA	125.00%	1850 VA	Total Conn.:	56 A
				Total Est. Demand:	56 A

Notes:
1.) MINIMUM CONDUIT SIZE FOR ALL 20 AMP CIRCUITS SHALL BE 3/4"C.

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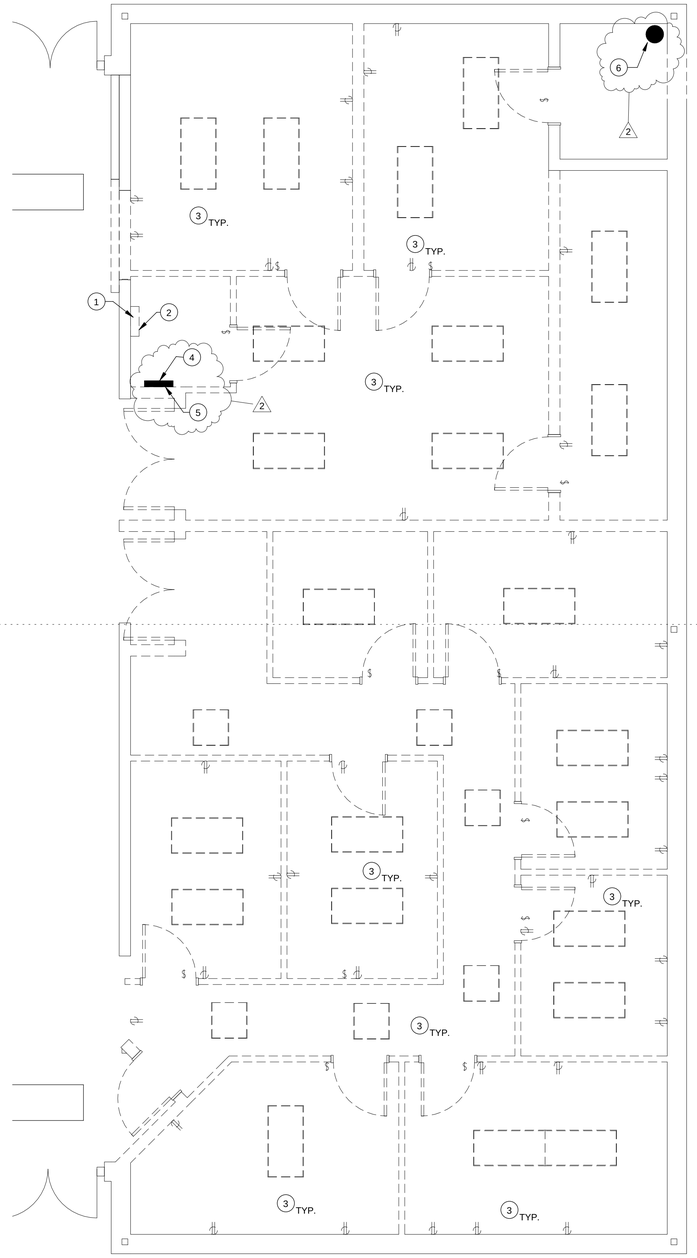

GENERAL NOTES- DEMOLITION

A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF ALL POWER SOURCE WIRING IN ACCORDANCE WITH ARCHITECTURAL MILLWORK.
B. PROVIDE CLEAR VANDAL COVER WITH STOPPER II OPTION FOR ALL FIRE ALARM PULL STATIONS.
C. EQUIPMENT AS FURNISHED OF A SINGLE MANUFACTURER.
D. COORDINATE EXACT LOCATION OF ALL MECHANICAL EQUIPMENT IN ACCORDANCE MECHANICAL DRAWINGS.
E. ALL CONDUITS SHALL REAMED AND COMPLETED WITH CONNECTORS AND INSULATED BUSHINGS AT BOTH ENDS.
F. ALL DEVICES SHOWN ON DRAWINGS ARE SYMBOLIC ONLY. THE ENTIRE FIRE ALARM SYSTEM, SHALL BE IN FULL COMPLIANCE AND MEET ALL CODES AND REQUIREMENTS OF THE LOCAL ADMINISTRATIVE AUTHORITY. ANY MODIFICATIONS REQUIRED TO PROVIDE COMPLIANCE SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER OR ARCHITECT/ ENGINEER.
G. FIRE ALARM LICENSE HOLDER SHALL ASSUME ALL RESPONSIBILITY FOR DESIGN AND SUBMIT DRAWINGS TO JURISDICTION HAVING AUTHORITY AND ABIDE BY ALL OTHER REQUIREMENTS PER NFPA.
H. ALL SPECIAL SYSTEM CONDUITS SHALL BE STUBBED UP ABOVE THE CEILING LEVEL. IF CABLE TRAY IS PRESENT, STUBBED CONDUITS TO CABLE TRAY.

KEYED NOTES- ELECTRICAL

1	EXISTING ELECTRICAL PANELBOARD TO BE RELOCATED. REFER TO SHEET E2.0 FOR NEW LOCATION.
2	PROVIDE ELECTRICAL J-BOXES TO EXTEND EXISTING ELECTRICAL CIRCUITS TO NEW PANEL LOCATION.
3	ALL ELECTRICAL LIGHTS, RECEPTACLES, LIGHT SWITCHES, CONDUITS, WIRING TO BE REMOVED SHOWN OR NOT SHOWN.
4	EXISTING COMMERICAL FIRE COMMUNICATOR, MFR. HONEYWELL #IPGSM-46 TO BE RELOCATED TO NEW LOCATION. REFER TO REMODEL PLANS.
5	EXISTING FIRE CIRCUITS TO BE REDONE TO NEW PANEL LOCATION. REFER TO REMODEL PLANS.
6	EXISTING FIRE RISER ELECTRICAL AND FIRE ALARM DEVICE TO FIRE RISER TO REMAIN. FIELD VERIFY EXISTING CONDITIONS.

2

LEGEND : DEMOLITION

LIGHT FIXTURES, LIGHTING DEVICES AND CONDUITS SHALL BE REMOVED. (TRACK LIGHTS SHALL RETURN TO OWNER IF DESIRE BY OWNER)

EXISTING WIRING DEVICES AND CONDUITS SHALL BE REMOVED.

1 ELECTRICAL DEMOLITION
SCALE: 1/4" = 1'-0"

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