UNTENHUL

APPENDIX FIVE CONSTRUCTION PROJECT MANUAL AND DRAWINGS

UTPB – Valet and Driveway Reno

UTPB - VALET AND DRIVEWAY RENOVATION

6410 Fannin Street/ Houston, Texas 77030

Date: December 16, 2019

Johnston Project No.: 19-00032-00 Prepared by: 19-00032-00 Paula Gaviria

Notice to General Contractor:

- A. Receipt of this Addendum shall acknowledge revisions to Contract Documents for above referenced project.
- B. This Addendum forms part of the Contract documents for the above referenced project and shall be incorporated integrally there with.
- C. Where provisions of the following supplemental data differ from those of the original Contract Documents, this Addendum shall govern.

DOCUMENTS ATTACHED:

 This Addendum addresses architectural, mechanical and electrical revisions as noted below, per comments from EH&S:

REVISED DRAWINGS ISSUED

GENERAL

- 1. G0.00: COVER
 - Revised the name of the issue.
- 2. G0.01: DRAWING SHEET INDEX
 - Added Addendum #01 column and checked the sheets that are being issued.
- 3. G1.00: LIFE SAFETY PLAN
 - Revised existing and new fire tapes as smoke partitions.

ARCHITECTURAL

- 1. A1.01: OVERALL FLOOR PLAN
 - Revised existing and new fire tapes as smoke partitions.
- A3.01: ENLARGED FLOOR PLAN & REFLECTED CEILING PLAN INTERIOR
 - · Revised existing and new fire tapes as smoke partitions.
 - Revised wall types to be smoke partitions.
 - Added exit sign to Corridor 103.
 - Added Fire Rated Legend to sheet.
 - Added a smoke detector in Pharmacy
 - Added and relocated fire strobes.
- 3. A10.04: PARTITION TYPES
 - Added wall type SA to sheet.
 - Removed wall type 1A from sheet.
- 4. A11.01: OPENING SCHEDULE
 - Revised door 105.1 and 106.1 fire rating.



UTPB – Valet and Driveway Reno

MECHANICAL

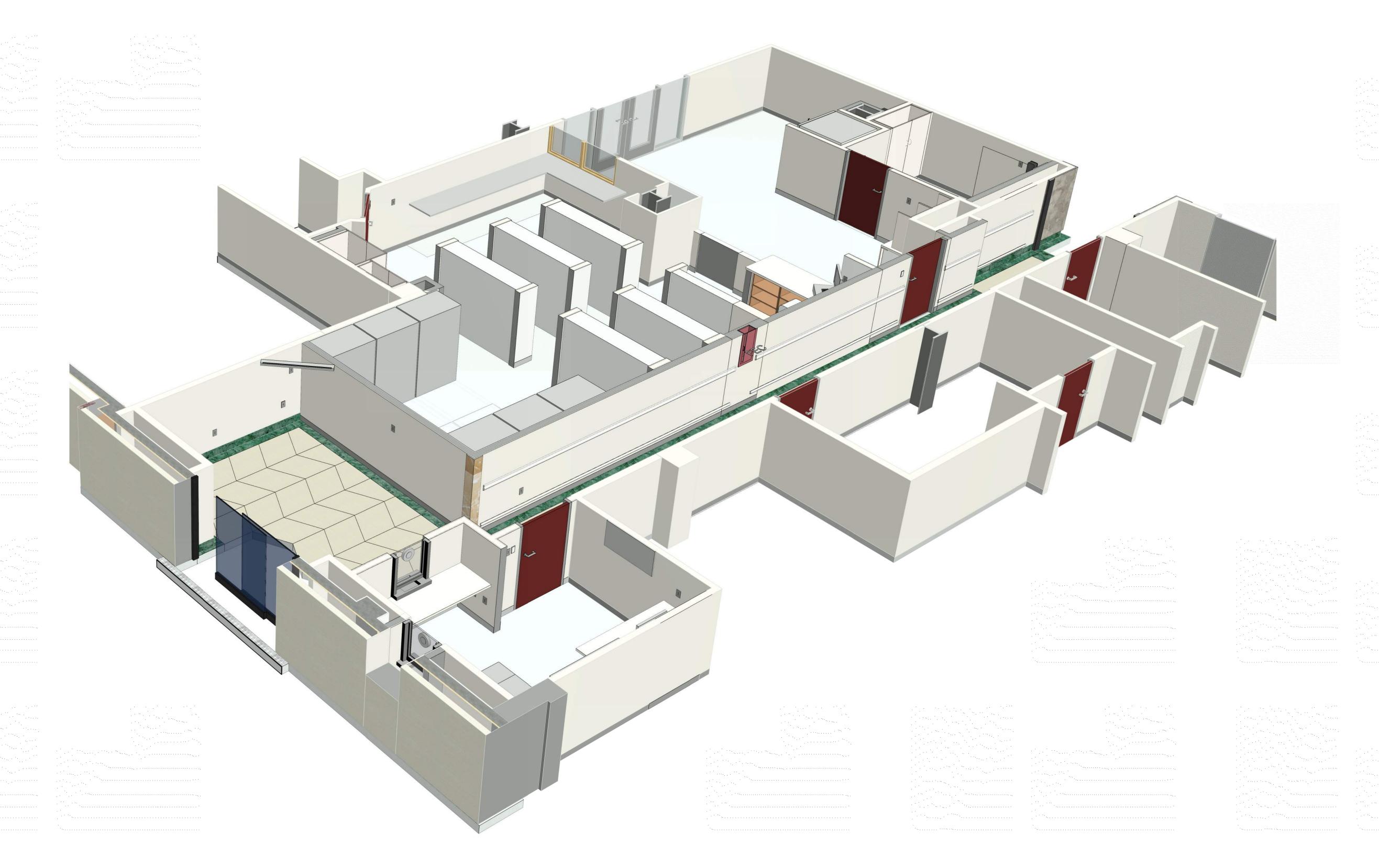
- 1. M0.01: MECHANICAL SCHEDULES, CONTROLS, AND DETAILS
 - Replaced detail for smoke dampers.
- 2. M2.01: MECHANICAL DUCTWORK PLAN LEVEL 1
 - Revised keynote number 12 referring to smoke damper installation.

ELECTRICAL

- 1. E1.01: ELECTRICAL SITE PLAN
 - Revised keynote L03 referring to existing lights
- 2. E2.01: ELECTRICAL LIGHTING PLAN LEVEL 1
 - Revised emergency lighting in Waiting Room and Valet Office.
 - · Added exit sign to Corridor.
- 3. E3.01: ELECTRICAL POWER PLAN LEVEL 1
 - Added outlets to Corridor and Valet Office.
- 4. E5.01: ELECTRICAL FIRE ALARM PLAN LEVEL 1
 - Added fire alarm pull string to Waiting Room.
 - Added and relocated fire strobes.
 - Added a smoke detector to Pharmacy.

END OF UTPB - VALET AND Driveway RENOVATION -

UTHEALTH SYSTEM UTPB - VALET & DRIVEWAY RENOVATION



DATE ISSUED: 2019 12 16

UTPB - VALET & DRIVEWAY RENOVATION

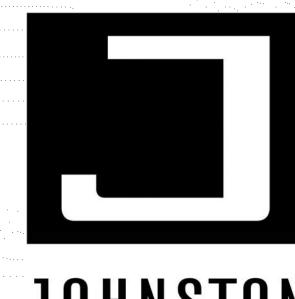
PROJECT NO.: 19-00032-00

6410 FANNIN ST. HOUSTON, TX 77030

CONSULTANTS:

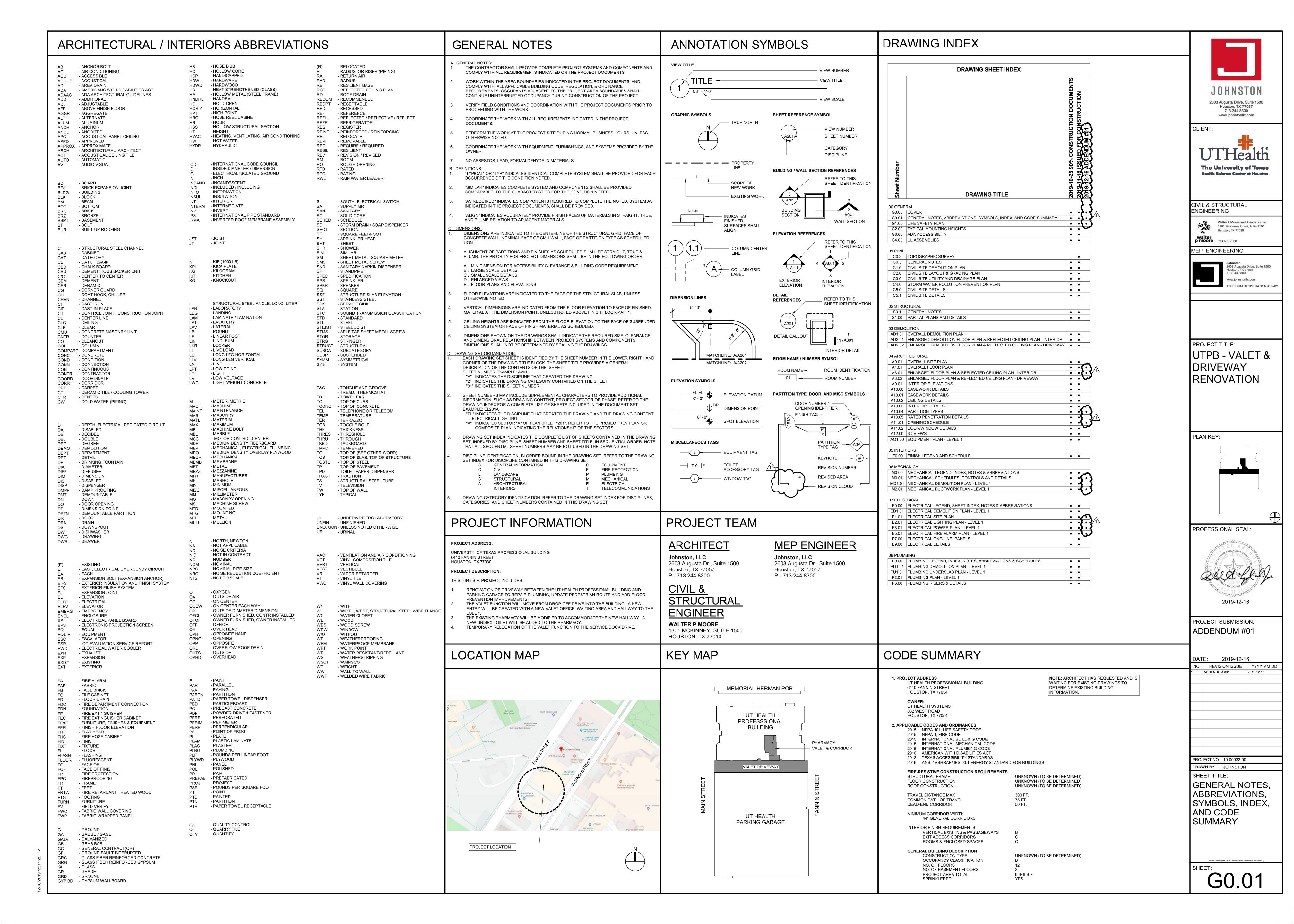
MEP JOHNSTON, LLC 2603 AUGUSTA DR., SUITE 1500 HOUSTON, TX 77057

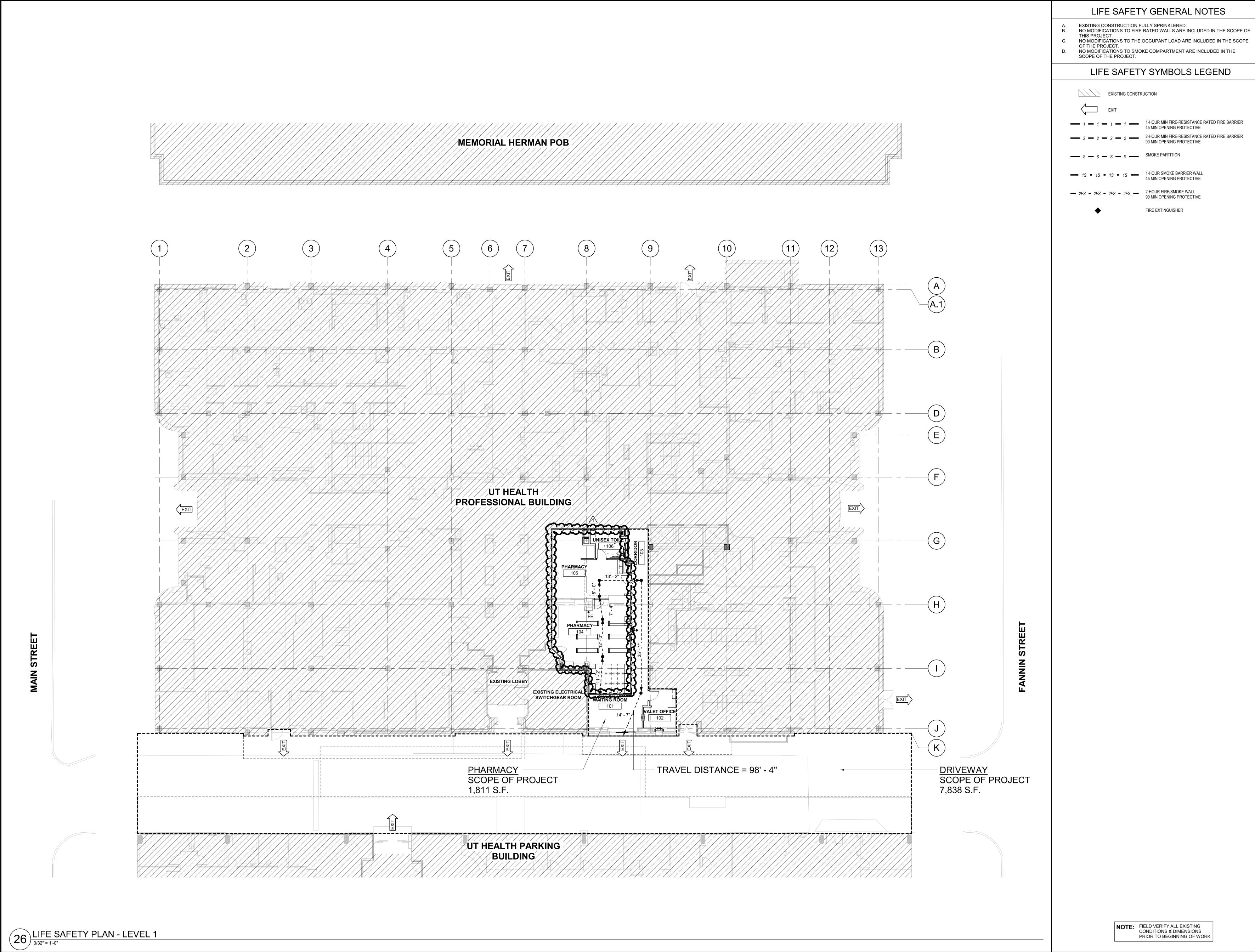
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- NO MODIFICATIONS TO THE OCCUPANT LOAD ARE INCLUDED IN THE SCOPE

2603 Augusta Drive, Suite 1500 Houston, TX 77057 713.244.8300 www.johnstonllc.com

CLIENT:



CIVIL & STRUCTURAL ENGINEERING

Walter P Moore and Associates, Inc. 1301 McKinney Street, Suite 1100 Houston, TX 77010 walter p moore 713.630.7300

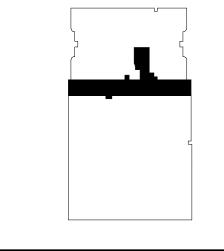
MEP ENGINEERING

Johnston 2603 Augusta Drive, Suite 1500 Houston, TX 77057 713.244.8300 www.johnstonllc.com TBPE FIRM REGISTRATION #: F-421

PROJECT TITLE:

UTPB - VALET & DRIVEWAY RENOVATION

PLAN KEY:





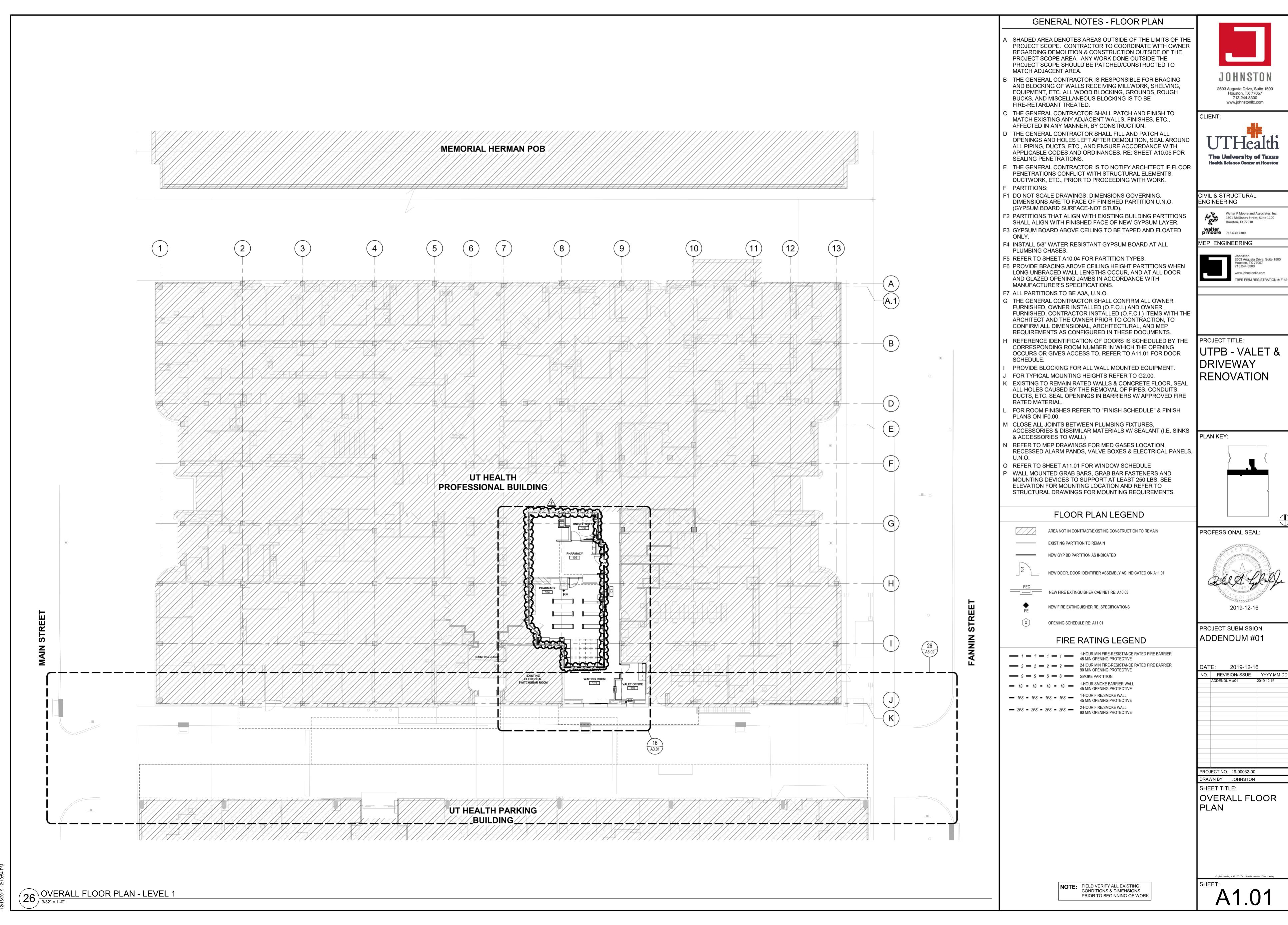
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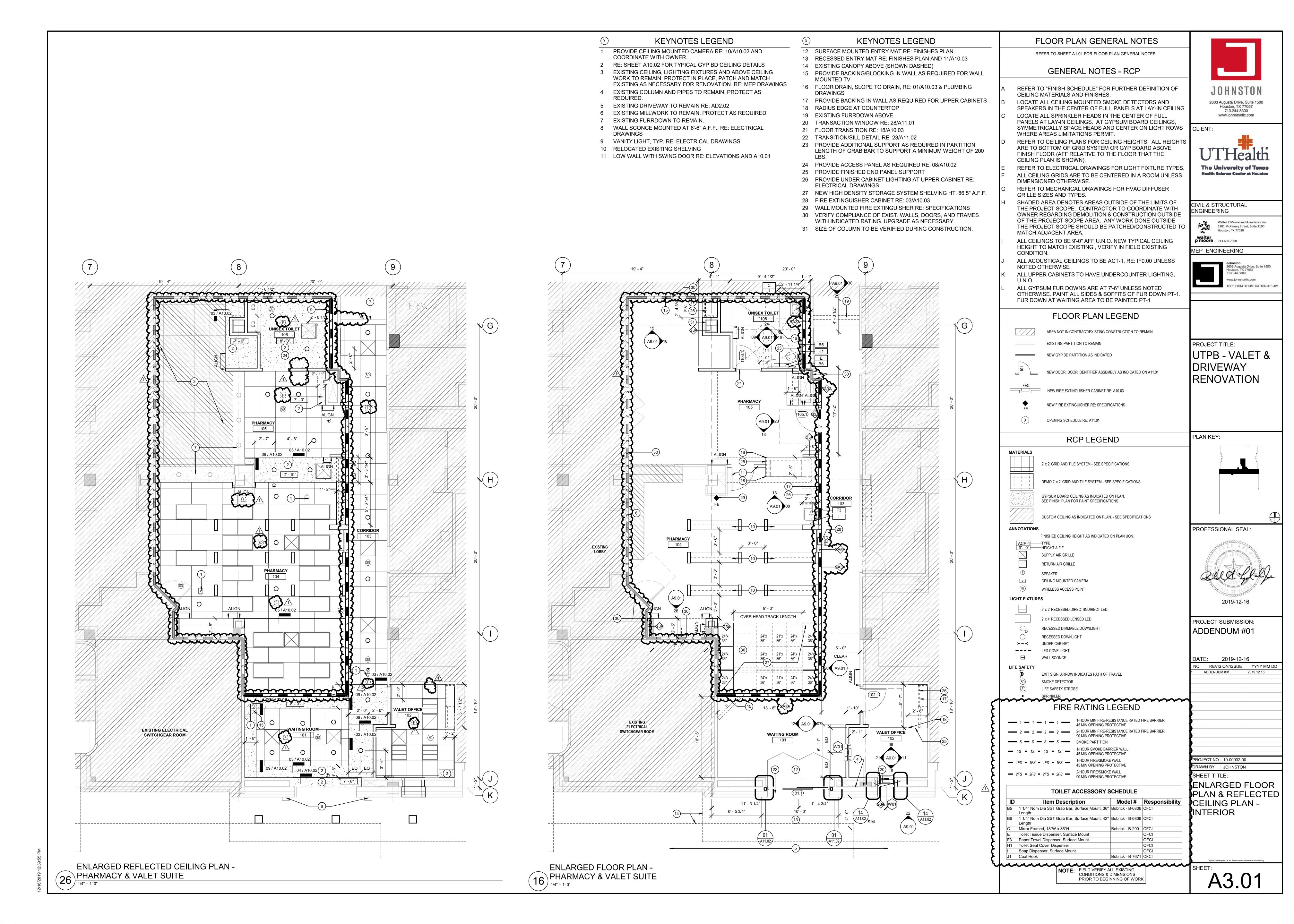
ADDENDUM #01

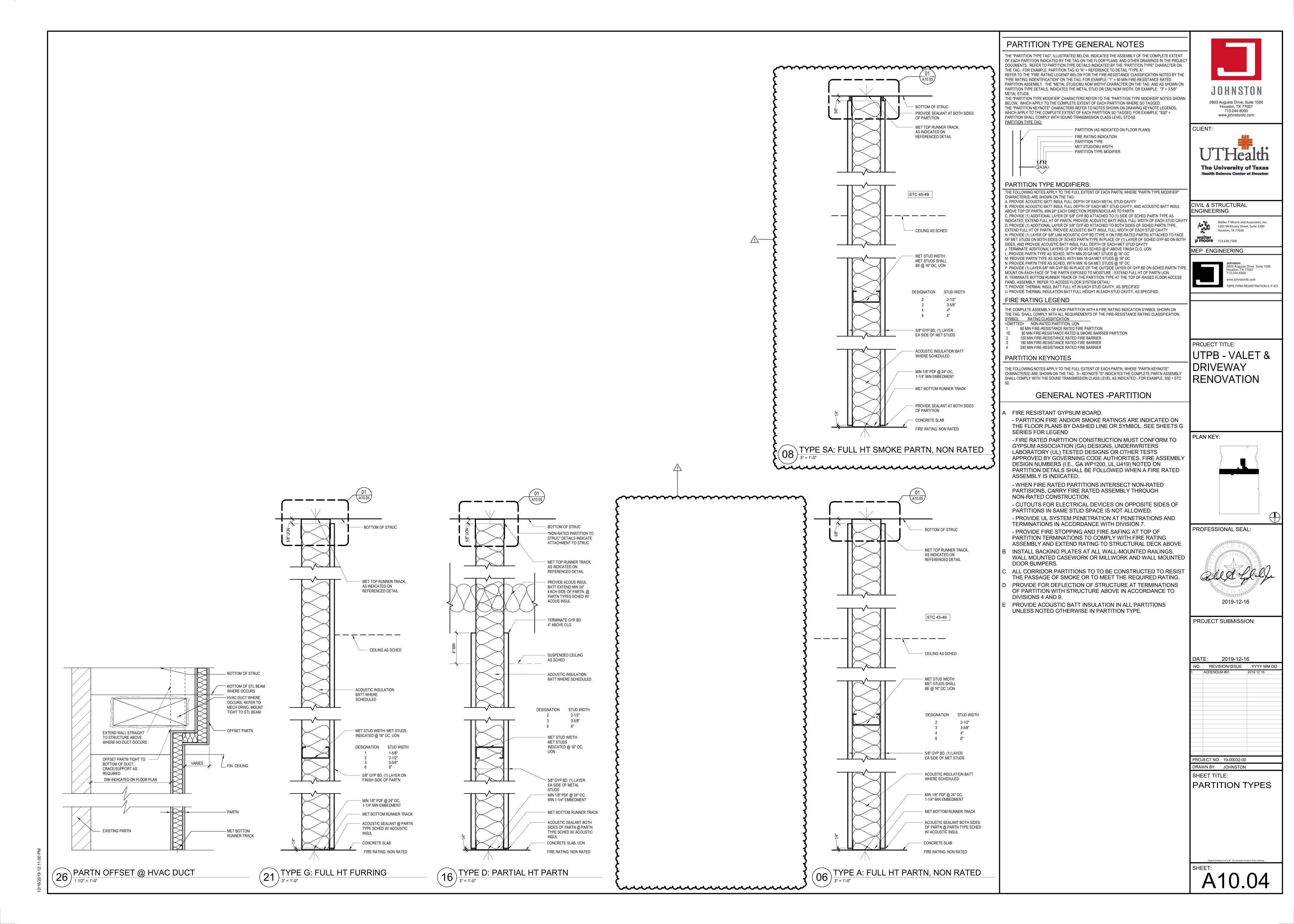
NO. REVISION/ISSUE YYYY MM DD

SHEET TITLE:

LIFE SAFETY PLAN







								DC	OOR S	SCHEDULE								
		DOORS							FRAMES			DETAILS						
					GLASS		SIZE					GLASS				FIRE	HARDWARE	
MARK	ROOM NAME	TYPE	MATERIAL	FINISH	I TYPE	WIDTH 1	WIDTH 2 HE	EIGHT	TYPE	MATERIAL	FINISH	TYPE	HEAD	SILL	JAMB	RATING	GROUP	COMMENTS
			•							,							•	
01.1	WAITING ROOM	S1	GL	AL	GL-01	8' - 0"	7' - 8'	8" 0:	12	AL	AA	GL-01	02/A11.02	09/A11.02	01/A11.02		900	AUTOMATIC SLIDING DOOR
02.1	VALET OFFICE	F	WD	P-LAM	-	3' - 0"	7' - 0'	0" 0)1	HM	PT		05/A11.02		04/A11.02		K201	
05.1	PHARMACY	F	WD	P-LAM	-	3' - 0"	7' - 0'	0" 0)1	НМ	PT		05/A11.02		04/A11.02	20 MIN	101	
06.1	UNISEX TOILET	F	WD	P-LAM	-	3' - 0"	7' - 0'	0" 0)1	НМ	PT		05/A11.02		04/A11.02		341	
			l		L	1				1	ı	1	1		•	www.		

HARDWARE GROUP NO. 101 FOR USE ON DOOR #: 105.1

PR	OVIDE	EACH SGL DOOR WITH TH	HE FOLLOWING:		
QT	Υ	DESCRIPTION	CATALOG NUMBER	FINISH	M
3	EΑ	HINGE	5BB1 4.5 X 4.5 (3 EA. @ DOORS UNDER 90")	652	I۷
1	EΑ	OFFICE/ENTRY LOCK	70-8255-OB	626	S
1	EΑ	PERMANENT CORE	MATCH EXISTING KEY SYSTEM		В
1	EΑ	SURFACE CLOSER	4040XP RW/PA TBSRT (MTG PLT, SPCR AS REQ)	689	L(
	QT 3	QTY 3 EA 1 EA 1 EA	QTY DESCRIPTION 3 EA HINGE 1 EA OFFICE/ENTRY LOCK 1 EA PERMANENT CORE	3 EA HINGE 5BB1 4.5 X 4.5 (3 EA. @ DOORS UNDER 90") 1 EA OFFICE/ENTRY LOCK 70-8255-OB 1 EA PERMANENT CORE MATCH EXISTING KEY SYSTEM	QTY DESCRIPTION CATALOG NUMBER 3 EA HINGE 5BB1 4.5 X 4.5 (3 EA. @ DOORS UNDER 90") 652 1 EA OFFICE/ENTRY LOCK 70-8255-OB 626 1 EA PERMANENT CORE MATCH EXISTING KEY SYSTEM

1 EA WALL STOP WS406/407CCV 188FSBK PSA (SR64 SILENCERS @ NON-RATED DOORS) BK ZER 1 EA GASKETING

HARDWARE GROUP NO. 341 FOR USE ON DOOR #: 106.1 PROVIDE EACH SGL DOOR WITH THE FOLLOWING:

QTY DESCRIPTION CATALOG NUMBER 3 EA HINGE 5BB1 4.5 X 4.5 (3 EA. @ DOORS UNDER 90") 1 EA PRIVACY W/INDICATOR 49(OCC/VAC @ OUTSIDE)-8265 X B LEVER 626 SAR 1 EA SURFACE CLOSER 4040XP RW/PA TBSRT (MTG PLT, SPCR AS REQ) 689 LCN 1 EA WALL STOP WS406/407CCV 1 EA GASKETING 188FSBK PSA (SR64 SILENCERS @ NON-RATED DOORS) BK ZER

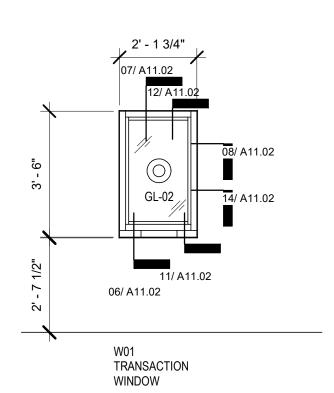
HARDWARE GROUP NO. 900 FOR USE ON DOOR #: 101.1

PROVIDE EACH SGL DOOR WITH THE FOLLOWING: QTY DESCRIPTION CATALOG NUMBER FINISH MFR ALL HARDWARE BY AUTOMATIC SLIDING DOOR SUPPLIER

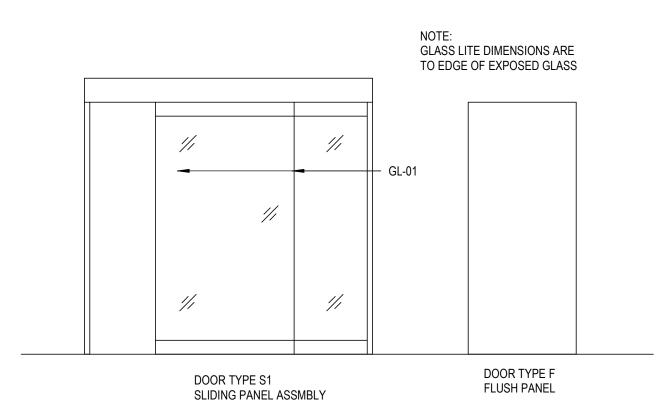
HARDWARE GROUP NO. K201 FOR USE ON DOOR #: 102.1 PROVIDE EACH SGL DOOR WITH THE FOLLOWING:

QTY DESCRIPTION **CATALOG NUMBER** 3 EA HINGE BBLK IVE 5BB1 4.5 X 4.5 1 EA TRILOGY KEYPAD LOCK DL27-00-IC US26D TRI MATCH EXISTING KEY SYSTEM 1 EA PERMANENT CORE 1 EA WALL STOP WS406/407CCV 188FSBK PSA (SR64 SILENCERS @ NON-RATED DOORS) BK ZER 1 EA GASKETING

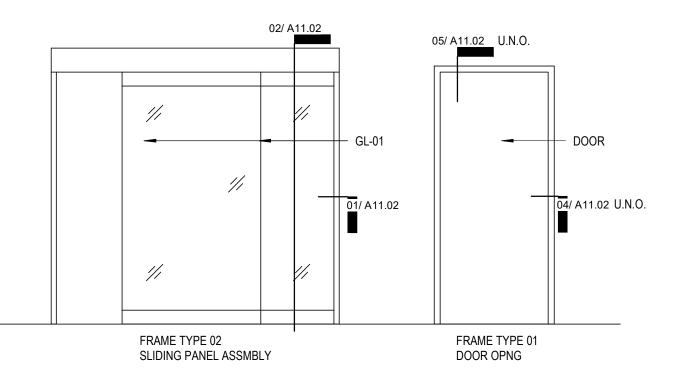
WINDOW SCHEDULE											
	ROOM	ROUGH	OPENING	GLAZING	SILL HEIGHT						
MARK	NAME	WIDTH	HEIGHT	TYPE							
W01	VALET OFFICE	2' - 1 3/4"	3' - 6"	GL-02	2' - 7 1/2"						
W01	WAITING	2' - 1 3/4"	3' - 6"	GL-02	2' - 7 1/2"						







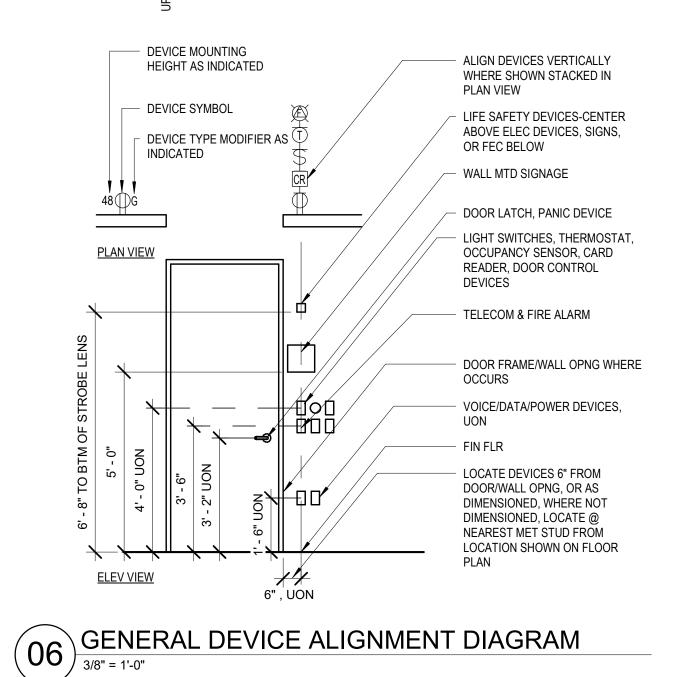




DOOR TYPE DIAGRAM

3/8" = 1'-0"

USE 3 HINGES FOR DOORS UP TO AND INCLUDING 7'-6" ADD 1 HINGE FOR EACH 2'-6" IN HEIGHT OR FRACTION THERE OF DEADLOCK STRIKE HOSPITAL ARM PULL (LOWER BASE) AND PUSH PLATE PUSH BAR AND PULL - STRIKE FOR KNOB LOCKS, HANDLE SETS, ROOLER LATCHES & EXIT DEVICES - DEVICE MOUNTING HEIGHT AS INDICATED PLAN VIEW



GENERAL NOTES - DOORS

- DOOR AND FRAME ASSEMBLIES SHALL COMPLY WITH ALL SCHEDULED REQUIREMENTS, GENERAL NOTES & LEGENDS, DOOR AND FRAME DETAILS, AND PROJECT SPECIFICATIONS.
- "OPENING IDENTIFIERS" INDICATED ON THE SCHEDULE IDENTIFY DOOR-FRAME ASSEMBLY TYPES, WHICH ARE SHOWN THE DOOR TAG FOR EACH DOOR OPENING ON THE FLOOR
- "DOOR PANEL TYPES" AND "FRAME TYPES' INDICATED ON THE SCHEDULE REFER TO THE "DOOR TYPE DIAGRAMS" AND "FRAME TYPE DIAGRAMS", AND "CONSTRUCTION TYPES", "FINISH TYPES", "GLASS TYPES" REFER TO CORRESPONDING LEGENDS SHOWN ON THE DOOR SCHEDULE SHEET.
- DOOR WIDTH AND DOOR HEIGHT INDICATE THE NOMINAL DIMENSIONS OF EACH DOOR LEAF (SHOWN IN INCHES). DOOR WIDTH FOR ASSEMBLIES WITH A SINGLE DOOR LEAF IS INDICATED BY "DOOR WIDTH 1." ACTUAL DOOR DIMENSIONS SHALL COMPLY WITH HEAD - JAMB - MULLION - SILL DETAILS AND DOOR SPACING AND CLEARANCES AS SPECIFIED. NOTE THAT ALL DOOR THICKNESSES ARE 1-3/4", UON.
- FRAME ASSEMBLIES SHALL COMPLY WITH "HEAD JAMB -MULLION - SILL" DETAILS AS SCHEDULED. DETAIL NUMBERS REFERENCE SHEET A11.02, UON.
- "FIRE RATING" SYMBOL INDICATES THE FIRE RATING MINUTES FOR EACH ASSEMBLY, AS INDICATED BY THE "FIRE RATING LEGEND" ON THE DOOR SCHEDULE SHEET.
- "HARDWARE GROUP" NUMBER REFERS TO GROUPS SHOWN ON THE DOOR SCHEDULE SHEET, AND REQUIREMENTS INDICATED BY THE "INTERIOR HARDWARE TYPE" LIST. "HARWARE TYPE NOTES", AND PROJECT SPECIFICATIONS. REFER TO SHEET: A11.02 FOR HARDWARE SCHEDULE
- "TYPE REMARKS" REFER TO REQUIREMENTS INDICATED BY THE "TYPE REMARK LEGEND" ON THE DOOR SCHEDULE SHEET DOOR UNDERCUT FOR RATED DOORS TO BE 3/4" MAX. DOOR UNDERCUT FOR NON-RATED DOORS TO BE 1" MAX.
- REFER TO SHEET: A11.02 FOR DOOR/WINDOW TYPES & DETAILS
- REFER TO SHEET: A11.01 FOR HARDWARE SETS THE HARDWARE SETS REPRESENT THE DESIGN INTENT AND DIRECTION OF THE OWNER AND ARCHITECT. THEY ARE A GUIDELINE ONLY AND SHOULD NOT BE CONSIDERED A DETAILED HARDWARE SCHEDULE. DISCREPANCIES, CONFLICTING HARDWARE AND MISSING ITEMS SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT WITH CORRECTIONS MADE PRIOR TO THE BIDDING PROCESS. OMITTED ITEMS NOT INCLUDED IN A HARDWARE SET SHOULD BE SCHEDULED WITH THE APPROPRIATE ADDITIONAL HARDWARE REQUIRED FOR PROPER APPLICATION AND FUNCTIONALITY.

DOOR TYPE LEGEND

FLUSH PANEL DOOR SLIDING DOOR ASSEMBLY

FRAME TYPE LEGEND

STANDARD 3-PIECE DOOR FRAME SLIDING DOOR ASSEMBLY

A SUFFIX MODIFIER (AL, GL, HM, SS, WD) DENOTES FRAME MATERIAL

FINISH TYPE LEGEND

ANODIZED ALUMINUM PLASTIC LAMINATE SOLID SURFACE MATERIAL

CONSTRUCTION TYPE LEGEND

ALUMINUM

GLASS - GLASS TYPE AS SCHEDULED

GLASS TYPE LEGEND

1/4" TEMPERED GLASS, CLEAR

3/4" IMPACT RESISTANT SECURTY GLASS, CLEAR 1/4" TEMPERED SPANDREL GLASS

2019-12-16

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MEP ENGINEERING

PROJECT TITLE:

PLAN KEY:

UTPB - VALET &

RENOVATION

ENGINEERING

CLIENT:

PROJECT SUBMISSION:

DATE: 2019-12-16 NO. REVISION/ISSUE YYYY MM DD ADDENDUM #01

PROJECT NO. 19-00032-00 DRAWN BY JOHNSTON

SHEET TITLE: OPENING SCHEDULE

AIR DEVICE SCHEDULE										
Key name	TYPE	TYPE DESCRIPTION	MANUFACTURER	MODEL	MODULE SIZE	MATERIAL	FINISH	DESCRIPTION		
A-24x24 CEILING SUPPLY	A	SUPPLY DIFFUSER	TITUS	OMNI-AA	24 x 24	ALUMINUM	BAKED ENAMEL	SQUARE PANEL FACE LAY-IN HIGH CAPACITY CEILING DIFFUSER. 24x24 FACE UNLESS OTHERWISE SPECIFIED. NECK DIAMETER SPECIFIED IN SCHEDULE NOTES. PROVIDE AIR PATTERN CONTROLLER.		
B-24x24 CEILING RETURN/EXHAUST	В	CEILING RETURN / EXHAUST GRILLE	TITUS	PAR-AA	24 x 24	ALUMINUM	BAKED ENAMEL	24x24 PERFORATED FACE GRILLE. PLENUM RETURN GRILLE WITH 22x22 NECK UNLESS NOTED OTHERWISE IN PLANS. DUCTED EXHAUST GRILLE WITH NECK DIAMTER SPECIFIED IN SCHEDULE NOTES AND RUN-OUT DUCT SIZE AS SPECIFIED ON PLANS.		
X - EXISTING	X	EXISTING AIR DEVICE	TITUS	EXISTING	PER PLANS	EXISTING	EXISTING	EXISTING AIR DEVICE.		

INLET DUCT SIZE SCHEDULE 0-100 CFM 100-220 CFM

AIR DEVICE SCHEDULE NOTES:

PROVIDE SQUARE TO ROUND TRANSITION FOR TYPE A CEILING DIFFUSERS FOR DUCT SIZE AND CFM INDICATED (SEE INLET DUCT SIZE CHART, THIS SCHEDULE).

PROVIDE FINISH AS SPECIFIED ON ARCHITECTURAL DRAWINGS.. PROVIDE VOLUME DAMPER AT BRANCH DUCT TAP ABOVE ACCESSIBLE

	VAV BOX SCHEDULE - ELECTRIC HEAT										
UNIT	INLET SIZE	MAX. AIR FLOW	MIN. AIR FLOW	HEATING CFM	HEATING KW	VOLTS/PH/HZ					
VAV-1-1	10"	830 CFM	275 CFM	830 CFM	11	480/3/60					

225-330 CFM

330-510 CFM

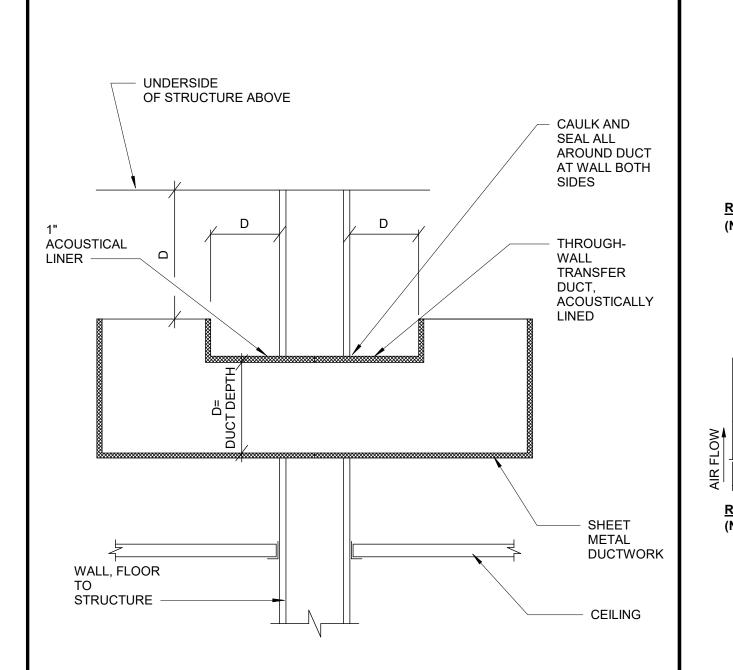
510-700 CFM

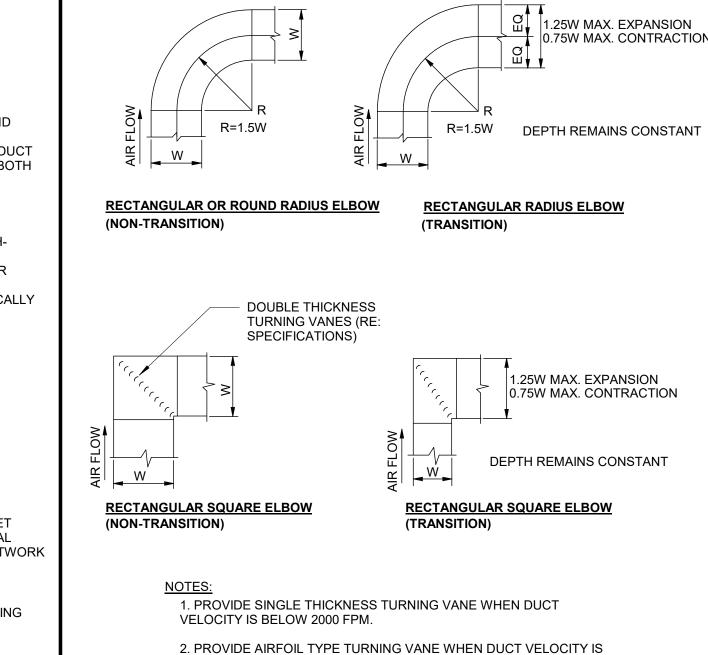
TYPE "B" UNLESS

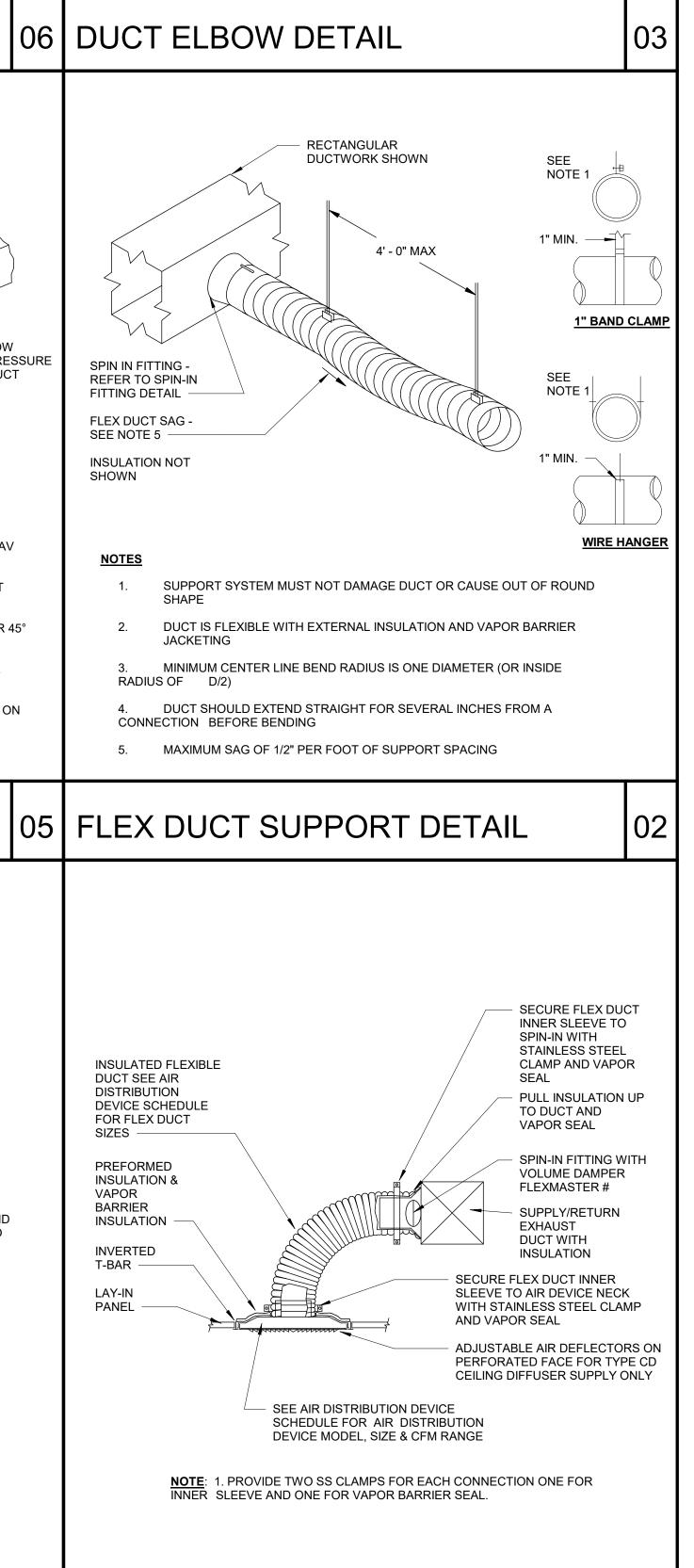
OTHERWISE INDICATED.

1. PROVIDE TOP AND BOTTOM ACCESS PANEL FOR SERVICE.

2. PROVIDE SINGLE POINT ELECTRICAL CONNECTION WITH FAN DISCONNECT 3. ELECTRIC HEATER SHALL BE 4 STAGES.









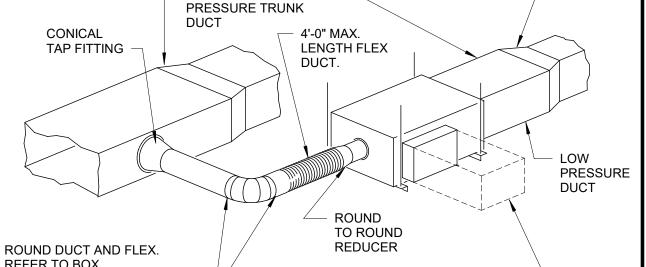
SCHEDULE —

TWIST 90° AND

CONNECT TO

STRUCTURE

ABOVE (TYP)



RECTANGULAR MEDIUM

REFER TO BOX BOXES WITH ELECTRIC REHEAT COILS TO SCHEDULE FOR RUNOUT HAVE 3'-6" MIN. WORKING CLEARANCE ON TERMINAL BOX SIDE IN ADDITION TO CLEAR ACCESS FOR MAINTENANCE & INSPECTION -

FLANGE CONNECTION SIZE OF BOX

TO ANY TRANSITION OR TAKE OFF

 \vdash \dashv TO OTHER TERMINAL UNIT CONTROLLERS

TERMINAL UNITS SHALL BE CONTROLLED, AND MONITORED VIA A TERMINAL

THE TERMINAL UNIT CONTROLLER SHALL MONITOR AND REPORT OVER THE NETWORK THE FOLLOWING ITEMS AS A MINIMUM: SPACE TEMPERATURE.

THE SPACE TEMPERATURE SETPOINT SHALL BE ADJUSTABLE OVER THE HVAC

WHEN THE ASSOCIATED AHU IS IN STOP MODE, THE VAV CONTROL DAMPER SHALL

THE SPACE TEMPERATURE SHALL BE CONTROLLED BY MODULATING THE DAMPER IN THE TERMINAL UNIT BETWEEN MAXIMUM AND MINIMUM SET POINTS. IF AT A

MINIMUM AIRFLOW AND THE SPACE IS BELOW SETPOINT, THE TERMINAL UNIT SHALI

GO TO THE HEATING CFM AND THE ELECTRIC DUCT HEATER SHALL BE STAGED TO

THE SPACE TEMPERATURE SETPOINT SHALL BE 75° F FOR COOLING AND 70° F FOR

HEATING. A SEPERATE ADJUSTABLE SETPOINT SHALL BE MAINTAINED FOR BOTH

A. IN UNOCCUPIED MODE THE VAV TERMINAL UNIT CONTINUE TO OPERATE AS FOR

TERMINAL UNIT W/ELECTRIC HEAT

IN DUCT

1. LAYERS OF GYPBOARD SLEEVE MUST MATCH LAYERS OF WALL

2. INSTALL DAMPER AND SLEEVE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS NOT TO VOID U.L. LISTING

TEMPERTURE SETPOINTS SHALL BE MAINTAINED.

OCCUPIED MODE OPERATIONS EXCEPT THAT SEPERATE UNOCCUPIED MODE

THE UNOCCUPIED MODE TEMPERATURE SETPOINT FOR COOLING SHALL 76° F.

(ADJUSTABLE) THE SPACE TEMPERATURE SETPOINT FOR HEATING SHALL BE 68° F.

CONTROL SCHEMATIC 108 HEAT

SMOKE BARRIER, REFER TO ARCHITECTURAL DRAWINGS FOR CONSTRUCTION

- SEAL WITH FIRE RATED NON-HARDENING SEALER AIR TIGHT

RETURN AIR

18 GA. X 1-1/4"

DUCT HANGER -

(3) SHEET METAL

SCREWS PER DUCT HANGER (TYP)

07 DUCT HANGER DETAIL

GALVANIZED

SPECIFICATIONS

RUSKIN MODEL SD-60 1 1/2

HOUR SMOKE DAMPER OR

CONTOL NETWORK AND THE CONTROLLER SHALL BE CAPABLE OF OVERRIDING THE

SPACE TEMPERATURE SETPOINT, SETPOINT AS SET AT THE THERMOSTAT

TERMINAL UNIT CONTROLLERS SHALL MONITOR THE STATUS OF THE ASSOCIATED AIR HANDLING UNIT TO DETERMINE ITS OPERATING MODE.

UNIT CONTROLLER FOR EACH TERMINAL UNIT.

THERMOSTAT SETPOINT.

HEATING AND COOLING.

BE IN ITS FULLY OPEN POSITION.

CONTROL DAMPER STATUS, AND REHEAT COIL STATUS.

SEQUENCE OF OPERATION

2. OFF MODE

1. GENERAL REQUIREMENTS

3. OCCUPIED MODE OPERATIONS

4. UNOCCUPIED MODE OPERATIONS

CLASS 1 SMOKE DAMPER PER

ACCESS

PANELS -

CEILING

DUCT INSULATION

SMOKE DAMPER

U. L. 555S REQUIREMENTS —

U. L. LISTED ELECTRONIC

OPERATOR OUT OF AIR

STREAM -

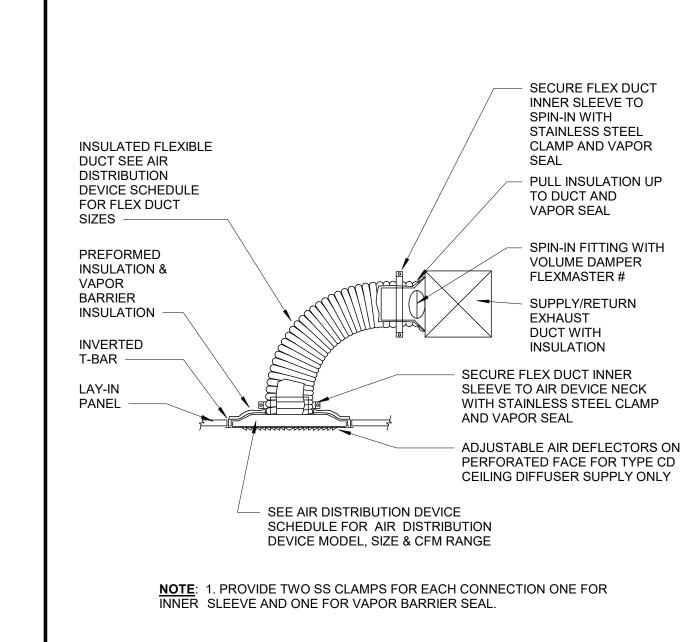
. THIS DETAIL REFERS TO VAV AND CONSTANT VOLUME ELECTRIC REHEAT BOXES AND VAV BOXES WITHOUT REHEAT. 2. FLEX DUCT TO ALLOW ONE BEND WITH CENTERLINE RADIUS NOT LESS THAN 1 1/2 DUCT

DIAMETERS. 3. TAP FITTING TO RECTANGULAR MEDIUM PRESSURE DUCT MAY ALSO BE RECTANGULAR 45° ENTRY, SIZED PER SMACNA RECOMMENDATIONS, AND THEN TRANSITIONING TO ROUND. REQUIREMENTS AS SHOWN.

SINGLE DUCT VAV - ELECTRIC

4. MEDIUM PRESSURE ROUND TRUNK DUCT TO HAVE CONICAL TEE FITTING, WITH OTHER 5. BOXES 1,400 CFM OR LESS TO BE SUPPORTED WITH 1"x18 GA. GALVANIZED BAND IRON ON FOUR CORNERS. BOXES GREATER THAN 1,400 CFM SHALL HAVE TRAPEZE SUPPORT OF REINFORCING ANGLE WITH 3/8" GALVANIZED ALL THREAD ROD HANGERS. 6. COORDINATE REQUIREMENT FOR CEILING ACCESS PANELS WITH DIVISION 8.

SPIN IN FITTING -REFER TO SPIN-IN FITTING DETAIL FLEX DUCT SAG SEE NOTE 5 -INSULATION NOT SHOWN



04 LAY - IN CEILING DIFFUSER

MECHANICAL SCHEDULES, CONTROLS, AND DETAILS

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MEP ENGINEERING

PROJECT TITLE:

PLAN KEY:

PROFESSIONAL SEAL:

PROJECT SUBMISSION:

ADDENDUM #01

DATE: 2019 12 16

PROJECT NO. 19-00032-00

DRAWN BY Author

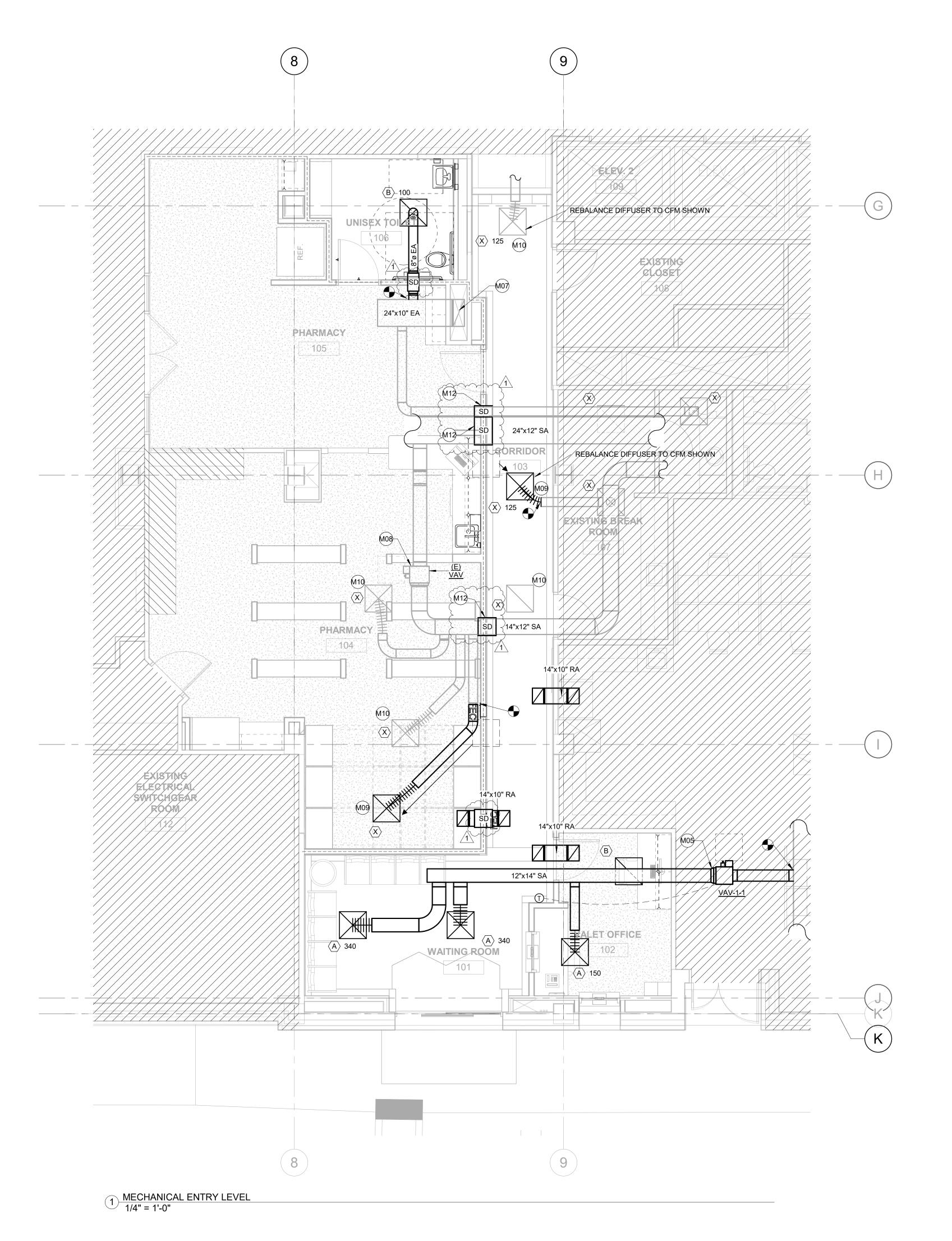
SHEET TITLE:

ADDENDUM #01

NO. REVISION/ISSUE YYYY MM DD

NIA ELAINE BEATTY

CLIENT:



MECHANICAL GENERAL NOTES

- 1. DRAWINGS ARE PROVIDED TO SHOW INTENT OF THE SYSTEM LAYOUT AND ARE
- DIAGRAMMATIC ONLY. 2. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND LOCATION OF EXISTING
- EQUIPMENT, DUCTWORKS, DIFFUSERS, ETC. TO REMAIN BEFORE COMENCING ANY WORKS. 3. CONTRACTOR SHALL COORDINATE RENOVATION WORK WITH OWNER AND WITH OTHER
- CONTRACTORS. 4. CLEAN ALL CONSTRUCTION DEBRIS AFTER ALL EQUIPMENT, DUCTWORKS, DIFFUSERS, ETC
- HAVE BEEN INSTALLED. CONTRACTOR SHALL PROTECT OWNER PROPERTIES FROM DAMAGES AND DUSTS.
- 5. THE AIR SYSTEM, EACH AIR DISTRIBUTION DEVICES SHALL BE ADJUSTED TO WITHIN 10% OF DESIGN AIR FLOW.
- MANUFACTURER.

6. PROVIDE SPACE FOR OPERATION AND MAINTENANCE AS RECOMMENDED BY THE

- 7. DUCTWORK INSULATION REQUIREMENTS SHALL MEET OR EXCEED ALL IECC MINIMUM. 8. ALL 2'x2' SUPPLY AIR GRILLES ARE FOUR-WAY THROW PATTERN UNLESS OTHERWISE NOTED.
- 9. AT ALL SUPPLY AIR DUCTWORK, PROVIDE TURNING VANES OR FULL-RADIUS ELBOWS AT ALL
- TURNS. PROVIDE DUCT TAKE-OFFS WITH BALANCING DAMPERS.
- 10 SEAL AROUND DUCTWORK AIR TIGHT AT ALL WALL PENETRATION.
- 11. COORDINATE AIR DEVICE COLOR WITH ARCHITECT.
- 12. ALL HVAC EQUIPMENT AND CONTROLS SHALL BE LABELED FOR IDENTIFICATION. LABELING/IDENTIFICATION SHALL BE LEGIBLE AND MECHANICALLY SECURED TO THE EQUIPMENT WITH NON-CORODING FASTENERS.
- 13. CONTRACTOR SHALL PREPARE AND INSTALL ALL NEW MCHANICAL EQUIPMENT AND DUCTWORK INSTALLATION BEFORE SWITCHING INTO NEW SYSTEM.

MECHANICAL KEYNOTES

(KEYNOTES SHOWN FOR THIS SPECIFIC SHEET ONLY)

- M05 INSTALL NEW VAV. RE-BALANCE EXISTING AHU TO ACCOMMODATE NEW VAV BOX. REF: SCHEDULE.
- M07 BALANCE EXHAUST RISER.
- M08 TAKE PRE-READINGS AND REBALANCE-TERMINAL UNIT. AFTER SETTING AIRFLOW AT
- DIFFUSER IN CORRIDOR. RELOCATE THERMOSTAT IF NECESSARY M09 RELOCATE EXISTING DIFFUSER TO NEW LOCATION, EXTEND DUCT AS NECESSARY. REF:
- M12 INSTALL SMOKE DAMPER INTO EXISTING DUCTWORK.



CLIENT:



CIVIL & STRUCTURAL ENGINEERING

1301 McKinney Street, Suite 1100 Houston, TX 77010 walter p moore 713.630.7300

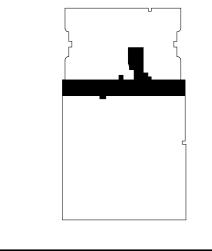
MEP ENGINEERING



PROJECT TITLE:

UTPB - VALET & DRIVEWAY RENOVATION

PLAN KEY:





PROJECT SUBMISSION:

DATE: 2019 12 16 NO. REVISION/ISSUE YYYY MM DD

PROJECT NO. 19-00032-00

SHEET TITLE: MECHANICAL DUCTWORK PLAN -LEVEL 1

ELECTRICAL KEYNOTES

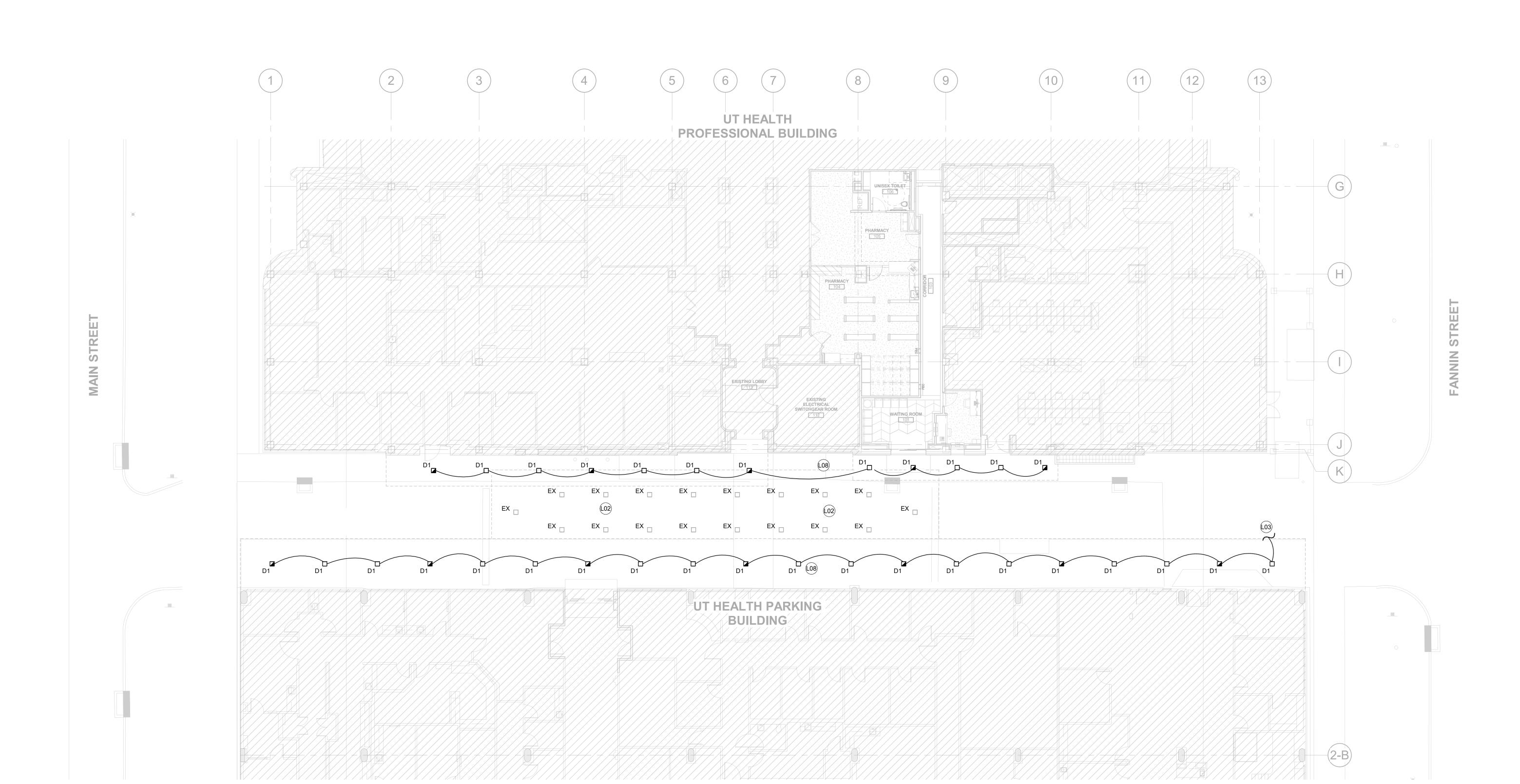
(KEYNOTES SHOWN FOR THIS SPECIFIC SHEET ONLY)

L02 LIGHT FIXTURES ARE EXISTING TO REMAIN UNLESS NOTED OTHERWISE. (TYPICAL)

L03 VERIFY THAT A PORTION OF THE CANOPY LIGHTS ARE SERVED FROM AN EMERGENCY CIRCUIT. IF NONE ARE SERVED FROM EMERGENCY CIRCUIT(S), PROVIDE NEW EMERGENCY CIRCUIT(S) AS REQUIRED TO SERVE CANOPY LIGHTS, AND SERVE INDICATED FIXTURES FROM EMERGENCY CIRCUIT(S). NEW LIGHT FIXTURES ARE TO BE REPLACED IN LOCATION CURRENTLY OCCUPIED BY EXISTING FIXTURES.

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L08 REPAIR, PATCH AND PAINT CANOPY TO RESTORE TO ORIGINAL CONDITIONS.



1 ELECTRICAL SITE PLAN
3/32" = 1'-0"



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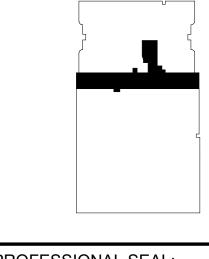
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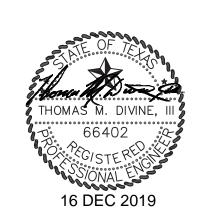
PROJECT TITLE:

UTPB - VALET & DRIVEWAY RENOVATION

PLAN KEY:



PROFESSIONAL SEAL:



PROJECT SUBMISSION:

NO. REVISION/ISSUE YYYY MM DD ADDENDUM #01

DRAWN BY Author

SHEET TITLE:

ELECTRICAL SITE PLAN

EEEV. 22 EXISTING CLOSET 108 L06 PHARMACY EXISTING BREAK ROOM EXISTING EXISTING LOBBY ELECTRICAL SWITCHGEAR ROOM 1 ELECTRICAL LIGHTING PLAN - LEVEL 1

ELECTRICAL KEYNOTES (KEYNOTES SHOWN FOR THIS SPECIFIC SHEET ONLY)

- L04 MATCH EXISTING EXTERIOR DOWNLIGHT AND CONNECT TO EMERGENCY CIRCUIT.
- L05 CONNECT TO EXISTING EMERGENCY CIRCUIT SERVING LIGHT FIXTURES IN THIS AREA

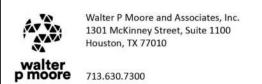
L06 CONNECT TO EXISTING NORMAL POWER CIRCUIT SERVING LIGHT FIXTURES IN THIS AREA



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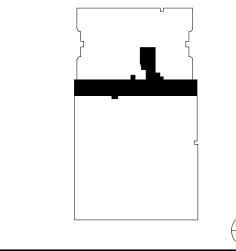




PROJECT TITLE:

UTPB - VALET & DRIVEWAY RENOVATION

PLAN KEY:



PROFESSIONAL SEAL:



PROJECT SUBMISSION

NO. REVISION/ISSUE YYYY MM DD

SHEET TITLE:

ELECTRICAL

LIGHTING PLAN
LEVEL 1

E2.01

ELECTRICAL KEYNOTES (KEYNOTES SHOWN FOR THIS SPECIFIC SHEET ONLY)

- E02 VOICE/DATA OUTLET. INSTALL OUTLET BOX . PROVIDE 1" CONDUIT WITH PULL STRING AND GROMMET TO LOCATION ABOVE ACCESSIBLE CELLING
- E03 VERIFY EXISTING RECEPTACLE AND DATA OUTLET AT APPROXIMATELY 72" AFF. OTHERWISE, PROVIDE RECEPTACLE AND DATA OUTLET AT 72" AFF, CONNECT RECEPTACLE TO CIRCUIT CURRENTLY SERVING TELEVISION.

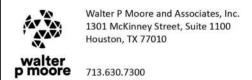
EEEV. 2



CLIENT:



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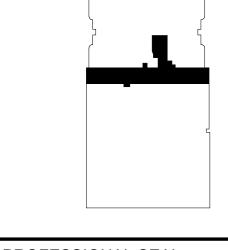
MEP ENGINEERING



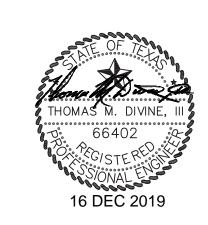
PROJECT TITLE:

UTPB - VALET & DRIVEWAY RENOVATION

PLAN KEY:



PROFESSIONAL SEAL:



PROJECT SUBMISSION:

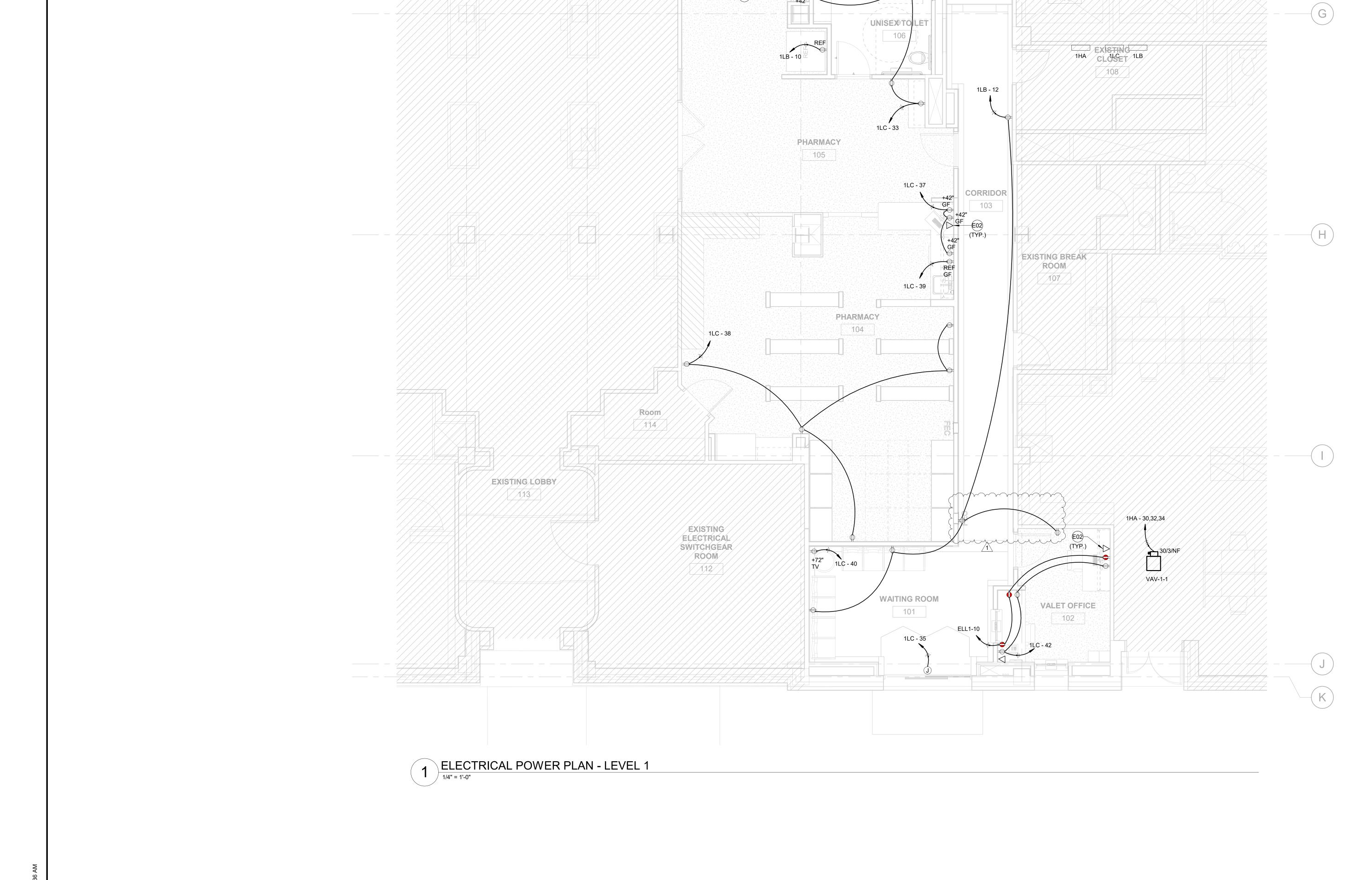
NO. REVISION/ISSUE YYYY MM DD ADDENDUM #01 12/16/2019

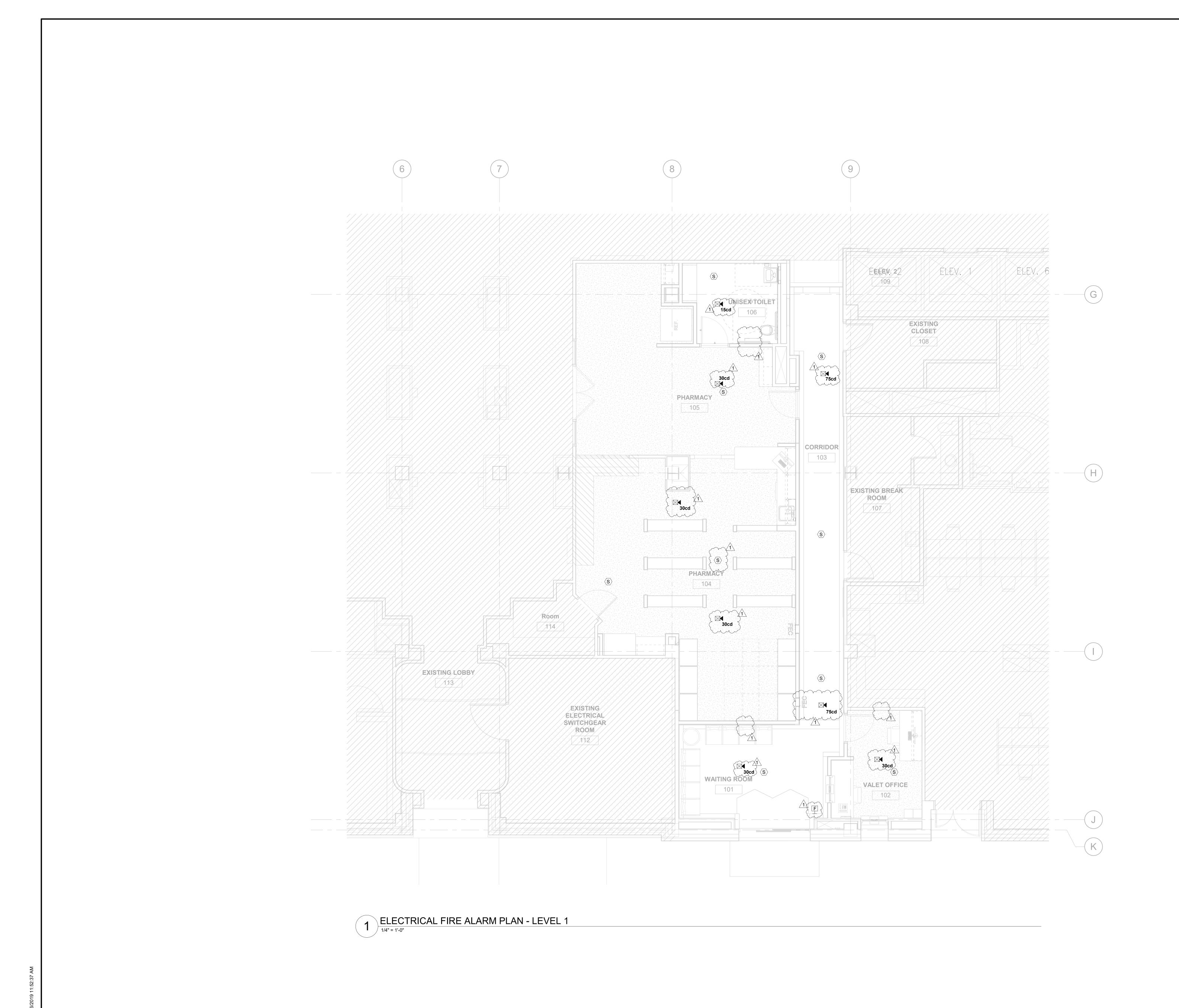
SHEET TITLE:

ELECTRICAL

POWER PLAN
LEVEL 1

E3.01

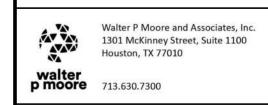








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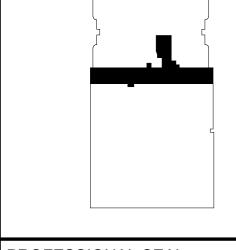
MEP ENGINEERING



PROJECT TITLE:

UTPB - VALET & DRIVEWAY RENOVATION

PLAN KEY:



PROFESSIONAL SEAL:



PROJECT SUBMISSION:

NO. REVISION/ISSUE YYYY MM DD

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SHEET TITLE:

ELECTRICAL FIRE

ALARM PLAN
LEVEL 1