

CONSTRUCTION OF SPACE PRESSURE CONTROL AT THE AUTOPSY FACILITY

EDINBURG, TEXAS



Half AVO#30925

CONSTRUCTION OF SPACE
PRESSURE CONTROL AT
THE AUTOPSY FACILITY
Edinburg, Texas



PROJECT TEAM

Half Associates, Inc.
5000 West Military Highway, Ste. 100
McAllen, Texas 78503-7446
Tel:956.664.0286
Fax:956.664.0282
Email:tmurray@halff.com,
Menton J. Murray, P.E. LEED AP
MECHANICAL

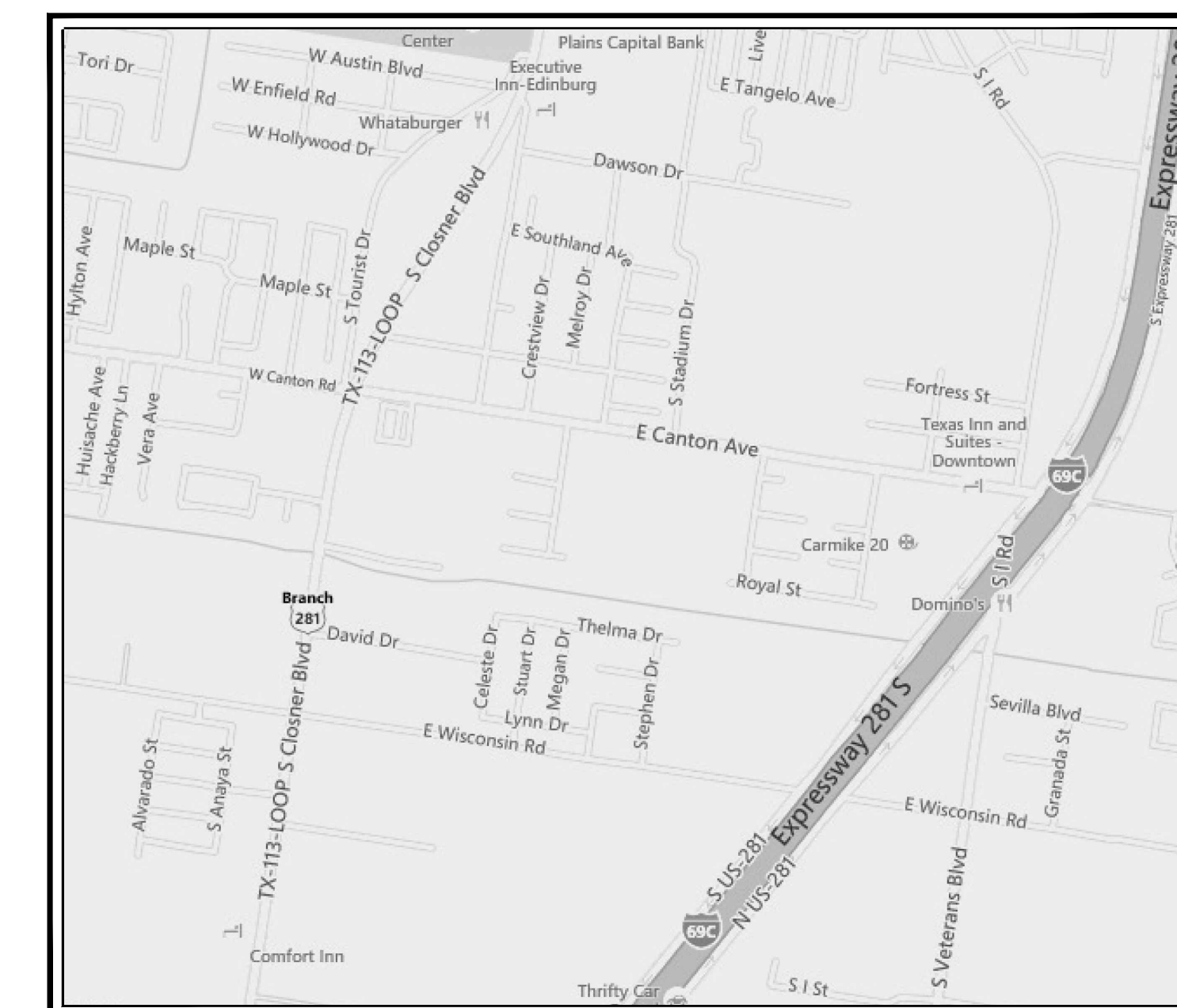
Email:TDearmin@Halff.com,
Thomas E. Dearmin, P.E. LEED AP
ELECTRICAL

SHEET LIST

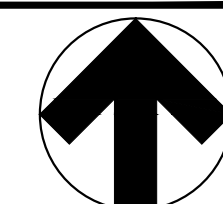
Sheet List Table

Sheet Number	Sheet Title
G0.01	COVER SHEET
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M0.01	MECHANICAL GENERAL LEGEND
MP1.01	MECHANICAL PLANS
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ED1.01	ELECTRICAL DEMOLITION PLANS
E1.01	ELECTRICAL PLANS
E2.01	ELECTRICAL DETAILS

LOCATION



HIDALGO COUNTY AUTOPSY
3100A S. Business Hwy 281
Edinburg, Texas 78539



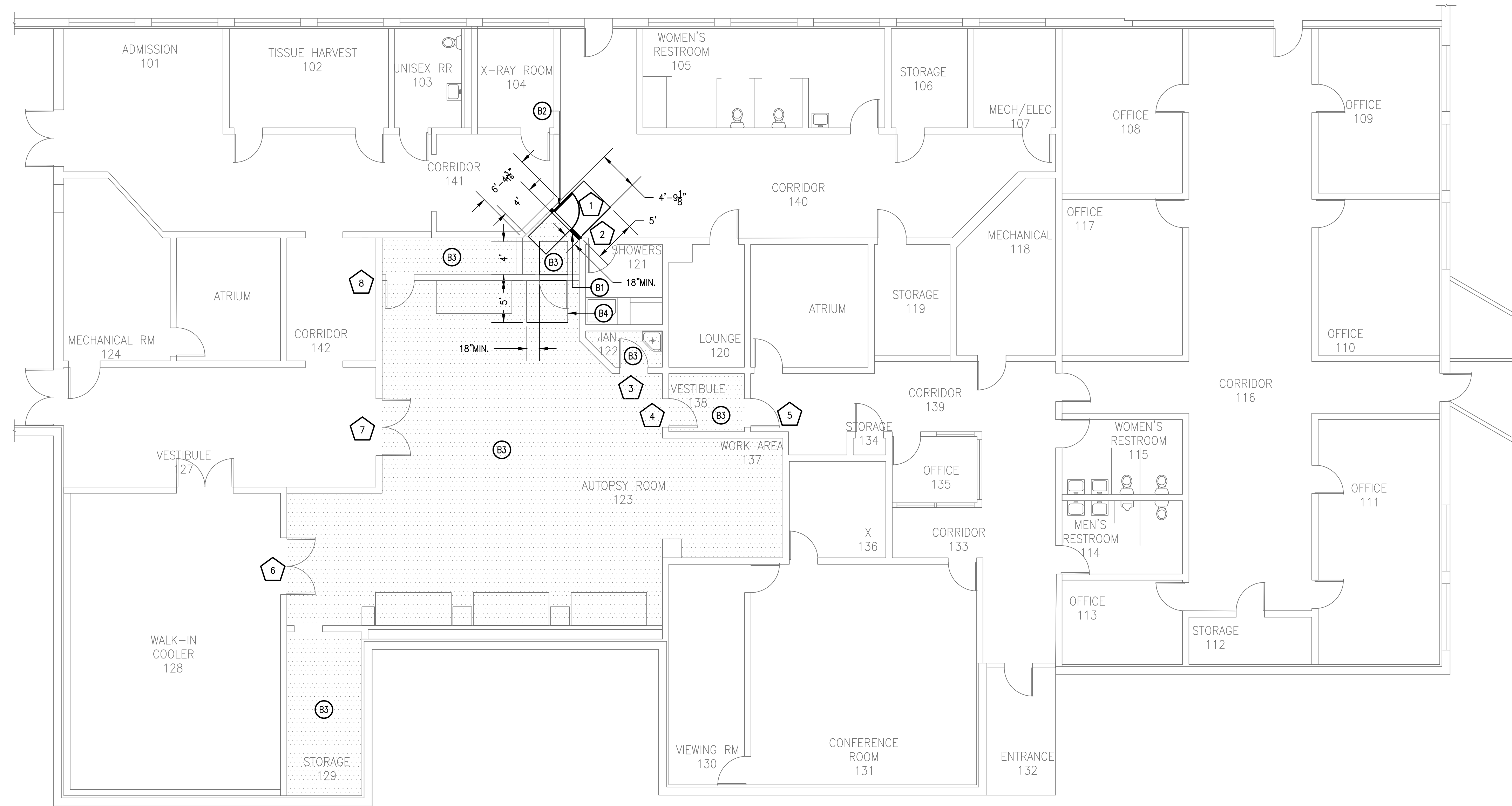
Revision No.	Date	Description



Project No.:	30925
Issued:	04 / 18 / 16
Drawn By:	R.T.
Checked By:	T.M.
Scale:	AS NOTED

Sheet Title
COVER SHEET

G0.01
Sheet Number



GENERAL NOTES

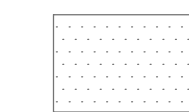
- A. REFER TO SHEET M0.01 FOR MECHANICAL GENERAL NOTES.
- B. ALL NEWLY PAINTED SURFACES SHALL BE PAINTED WITH A PRIMER COAT FOLLOWED BY TWO TOP COATS OF THE SELECTED COLOR.
- C. CONTRACTOR SHALL REMOVE ALL EXISTING LAY-IN CEILING AND INSTALL A NEW COMPLETE HARD CEILING SYSTEM CONSISTING OF A SINGLE LAYER OF 5/8" TYPE "X" GYPSUM BOARD ON A METAL SUSPENSION SYSTEM FOR ALL AREAS OF THE PLAN INDICATED TO HAVE A HARD CEILING SYSTEM. REFER TO SPECIFICATIONS.
- D. ALL OPENINGS ALONG CEILING SHALL BE THOROUGHLY SEALED.

BUILDING IMPROVEMENTS

KEY NOTES: (B#)

- B1. NEW 3-5/8" METAL STUD WALL (STUDS AT 16" O.C.) WITH 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE. PAINT COLOR (PT-2), REFERENCE SPECIFICATION SECTION 099123 - INTERIOR PAINTING
- B2. NEW HOLLOW METAL DOOR AND FRAME. PAINT COLOR (PT-3), REFERENCE SPECIFICATION SECTION 099123 - INTERIOR PAINTING
- B3. PAINT COLOR (PT-1), REFERENCE SPECIFICATION SECTION 099123 - INTERIOR PAINTING
- B4. THE DASHED LINES REPRESENT THE REQUIRED CLEARANCES ON BOTH SIDES OF THE DOOR PER THE AMERICANS WITH DISABILITIES ACT GUIDELINES.

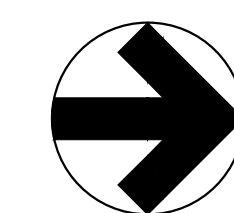
LEGEND



NEW "HARD CEILING" TYPE AT 8'-3" A.F.F.



DOOR NUMBER, REFERENCE SPECIFICATION SECTION 087111 - DOOR HARDWARE FOR DOOR HARDWARE SCHEDULE.



01 BUILDING IMPROVEMENTS

SCALE: 1/8" = 1'-0"

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A1.00
Sheet Number

MECHANICAL GENERAL LEGEND

DUCTWORK SYMBOLS	PIPING SYMBOLS	MISCELLANEOUS SYMBOLS	GENERAL ABBREVIATIONS	GENERAL MECHANICAL NOTES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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- ROUND</td> <td></td> <td></td> </tr> <tr> <td>DUCT TRANSITION</td> <td></td> <td></td> </tr> <tr> <td>DUCT TRANSITION (SQUARE OR RECTANGULAR TO ROUND)</td> <td></td> <td></td> </tr> <tr> <td>RECTANGULAR DUCT, SIZE IN INCHES, FIRST DIMENSION IS SIDE SHOWN (NET CLEAR INSIDE DIMENSION)</td> <td></td> <td></td> </tr> <tr> <td>ROUND DUCT, DIAMETER IN INCHES (NET CLEAR INSIDE DIMENSION)</td> <td></td> <td></td> </tr> <tr> <td>AIR FLOW IN DIRECTION OF ARROW</td> <td></td> <td></td> </tr> <tr> <td>45° BRANCH TAKE-OFFS</td> <td></td> <td></td> </tr> <tr> <td>CONICAL LATERAL BRANCH TAKE-OFFS</td> <td></td> <td></td> </tr> <tr> <td>CEILING SUPPLY DIFFUSERS</td> <td></td> <td></td> </tr> <tr> <td>CEILING RETURN GRILLE/REGISTER</td> <td></td> <td></td> </tr> <tr> <td>CEILING EXHAUST FAN (EF-)</td> <td></td> <td></td> </tr> <tr> <td>CEILING EXHAUST GRILLE/REGISTER</td> <td></td> <td></td> </tr> <tr> <td>SIDEWALL SUPPLY GRILLE/REGISTER</td> <td></td> <td></td> </tr> <tr> <td>SIDEWALL RETURN/EXHAUST 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<td>CHWR</td> <td>CHILLED WATER RETURN</td> <td>PV</td> <td>PLUG VALVE</td> </tr> <tr> <td>D</td> <td>DIFFUSER OR DAMPER</td> <td>PCW</td> <td>PRIMARY CHILLED WATER</td> </tr> <tr> <td>DB</td> <td>DRY BULB</td> <td>PCWS</td> <td>PRIMARY CHILLED WATER SUPPLY</td> </tr> <tr> <td>DEG</td> <td>DEGREES</td> <td>PCWR</td> <td>PRIMARY CHILLED WATER RETURN</td> </tr> <tr> <td>DIA</td> <td>DIAMETER</td> <td>POMP</td> <td>PRIMARY CHILLED WATER PUMP</td> </tr> <tr> <td>DN</td> <td>DOWN</td> <td></td> <td></td> </tr> <tr> <td>DX</td> <td>DIRECT EXPANSION</td> <td></td> <td></td> </tr> <tr> <td>EAT</td> <td>ENTERING AIR TEMPERATURE</td> <td>RED</td> <td>REDUCER</td> </tr> <tr> <td>EDB</td> <td>ENTERING DRYBULB TEMPERATURE</td> <td>REG</td> <td>REGISTER</td> </tr> <tr> <td>EFF</td> <td>EFFICIENCY</td> <td>RH</td> <td>RELATIVE HUMIDITY</td> </tr> <tr> <td>ENT</td> <td>ENTERING</td> <td>RPM</td> <td>REVOLUTIONS PER MINUTE</td> </tr> <tr> <td>ESP</td> <td>EXTERNAL STATIC PRESSURE</td> <td>SA</td> <td>SUPPLY AIR</td> </tr> <tr> <td>EWB</td> <td>ENTERING WET BULB</td> <td>SENS</td> <td>SENSIBLE</td> </tr> <tr> <td>EWT</td> <td>ENTERING WATER TEMPERATURE</td> <td>SL</td> <td>SOUND LINING</td> </tr> <tr> <td>FCV</td> <td>FLOW CONTROL VALVE</td> <td>SD</td> <td>SMOKE DETECTOR</td> </tr> <tr> <td>FLA</td> <td>FULL LOAD AMP</td> <td>SOV</td> <td>SOLENOID OPERATED VALVE OR SHUT-OFF VALVE</td> </tr> <tr> <td>FLEX</td> <td>FLEXIBLE</td> <td>SP</td> <td>STATIC PRESSURE</td> </tr> <tr> <td>FM</td> <td>FLOW METER</td> <td>SS</td> <td>STAINLESS STEEL</td> </tr> <tr> <td>FWL</td> <td>FIXED WALL LOUVER</td> <td>SCW</td> <td>SECONDARY CHILLED WATER</td> </tr> <tr> <td>GR</td> <td>GRILLE</td> <td>SCWS</td> <td>SECONDARY CHILLED WATER SUPPLY</td> </tr> <tr> <td>GV</td> <td>GATE VALVE</td> <td>SCWR</td> <td>SECONDARY CHILLED WATER RETURN</td> </tr> <tr> <td>HZ</td> <td>CYCLES PER SECOND (HERTZ)</td> <td>SCWP</td> <td>SECONDARY CHILLED WATER PUMP</td> </tr> <tr> <td>KW</td> <td>KILOWATT</td> <td>TOD</td> <td>TOP OF DUCT</td> </tr> <tr> <td>LAT</td> <td>LEAVING AIR TEMPERATURE</td> <td>TOP</td> <td>TOP OF PIPE</td> </tr> <tr> <td>LDB</td> <td>LEAVING DRYBULB TEMPERATURE</td> <td>TOS</td> <td>TOP OF STEEL</td> </tr> <tr> <td>LWT</td> <td>LEAVING WATER TEMPERATURE</td> <td>TS</td> <td>TEMPERATURE SENSOR</td> </tr> <tr> <td></td> <td></td> <td>TSTAT</td> <td>THERMOSTAT</td> </tr> <tr> <td></td> <td></td> <td>TSP</td> <td>TOTAL STATIC PRESSURE</td> </tr> <tr> <td></td> <td></td> <td>UNO</td> <td>UNLESS NOTED OTHERWISE</td> </tr> <tr> <td></td> <td></td> <td>VEL</td> <td>VELOCITY</td> </tr> <tr> <td></td> <td></td> <td>VFD</td> <td>VARIABLE FREQUENCY DRIVE</td> </tr> <tr> <td></td> <td></td> <td>VTR</td> <td>VENT THROUGH ROOF</td> </tr> <tr> <td></td> <td></td> <td>WB</td> <td>WET BULB</td> </tr> <tr> <td></td> <td></td> <td>WPD</td> <td>WATER PRESSURE DROP</td> </tr> <tr> <td></td> <td></td> <td>WTR</td> <td>WATER</td> </tr> <tr> <td></td> <td></td> <td>WxHxL</td> <td>WIDTH BY HEIGHT BY LENGTH</td> </tr> </table>	AAV	AUTOMATIC AIR VALVE	MAX	MAXIMUM	AFF	ABOVE FINISHED FLOOR	MFR	MANUFACTURER	AFMS	AIR FLOW MEASURING STATION	MIN	MINIMUM	AMB	AMBIENT	MVD	MOTORIZED VOLUME DAMPER	APD	AIR PRESSURE DROP	MW	MAKE UP WATER	BD	BLOWDOWN	NC	NORMALLY CLOSED	BF	BLIND FLANGE	NK	NECK	BFP	BACKFLOW PREVENTER	NO	NORMALLY OPEN OR NUMBER	BFV	BUTTERFLY VALVE	NTS	NOT TO SCALE	BHP	BRAKE HORSEPOWER	OA	OUTSIDE AIR	BLV	BALANCING VALVE	OB	OPPOSED BLADE DAMPER	BOD	BOTTOM OF DUCT			BOP	BOTTOM OF PIPE			BOS	BOTTOM OF STEEL			BV	BALL VALVE			CAP	CAPACITY	PD	PRESSURE DROP	CCMS	CENTRAL CONTROL MONITORING SYSTEM	PH	PHASE	CENT	CENTRIFUGAL	PI	PRESSURE INDICATOR	CMBST	COMBUSTION AIR	PRV	PRESSURE RELIEF VALVE	CL	CENTERLINE	PS	PRESSURE SENSOR	CV	CONTROL VALVE OR CONSTANT VOLUME	PSV	PRESSURE SAFETY VALVE	CHWS	CHILLED WATER SUPPLY	PTRV	PRESSURE TEMPERATURE RELIEF VALVE	CHWR	CHILLED WATER RETURN	PV	PLUG VALVE	D	DIFFUSER OR DAMPER	PCW	PRIMARY CHILLED WATER	DB	DRY BULB	PCWS	PRIMARY CHILLED WATER SUPPLY	DEG	DEGREES	PCWR	PRIMARY CHILLED WATER RETURN	DIA	DIAMETER	POMP	PRIMARY CHILLED WATER PUMP	DN	DOWN			DX	DIRECT EXPANSION			EAT	ENTERING AIR TEMPERATURE	RED	REDUCER	EDB	ENTERING DRYBULB TEMPERATURE	REG	REGISTER	EFF	EFFICIENCY	RH	RELATIVE HUMIDITY	ENT	ENTERING	RPM	REVOLUTIONS PER MINUTE	ESP	EXTERNAL STATIC PRESSURE	SA	SUPPLY AIR	EWB	ENTERING WET BULB	SENS	SENSIBLE	EWT	ENTERING WATER TEMPERATURE	SL	SOUND LINING	FCV	FLOW CONTROL VALVE	SD	SMOKE DETECTOR	FLA	FULL LOAD AMP	SOV	SOLENOID OPERATED VALVE OR SHUT-OFF VALVE	FLEX	FLEXIBLE	SP	STATIC PRESSURE	FM	FLOW METER	SS	STAINLESS STEEL	FWL	FIXED WALL LOUVER	SCW	SECONDARY CHILLED WATER	GR	GRILLE	SCWS	SECONDARY CHILLED WATER SUPPLY	GV	GATE VALVE	SCWR	SECONDARY CHILLED WATER RETURN	HZ	CYCLES PER SECOND (HERTZ)	SCWP	SECONDARY CHILLED WATER PUMP	KW	KILOWATT	TOD	TOP OF DUCT	LAT	LEAVING AIR TEMPERATURE	TOP	TOP OF PIPE	LDB	LEAVING DRYBULB TEMPERATURE	TOS	TOP OF STEEL	LWT	LEAVING WATER TEMPERATURE	TS	TEMPERATURE SENSOR			TSTAT	THERMOSTAT			TSP	TOTAL STATIC PRESSURE			UNO	UNLESS NOTED OTHERWISE			VEL	VELOCITY			VFD	VARIABLE FREQUENCY DRIVE			VTR	VENT THROUGH ROOF			WB	WET BULB			WPD	WATER PRESSURE DROP			WTR	WATER			WxHxL	WIDTH BY HEIGHT BY LENGTH	<ol style="list-style-type: none"> INFORMATION ON THIS PLAN HAS BEEN OBTAINED FROM EXISTING DRAWINGS AND SITE SURVEY. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK. ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND CONSTRUCTION DOCUMENTS SHALL BE REPORTED IMMEDIATELY TO THE ENGINEER. THE CONTRACTOR IS FULLY RESPONSIBLE FOR PERFORMING THE WORK IN FULL COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES UNDER THIS SECTION OF THE CONTRACT. IF THE CONTRACTOR DETERMINES THAT THE CONTRACT DOCUMENTS AND PLANS ARE NOT IN COMPLIANCE WITH THE APPLICABLE LOCAL CODES, HE SHALL INFORM THE ENGINEER PRIOR TO CONSTRUCTION START FOR DIRECTION. FAILURE TO DO SO SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO MEET APPLICABLE LOCAL CODES, AND REWORK SHALL BE AT CONTRACTOR'S EXPENSE. CONTRACTOR SHALL HANG AND INSTALL ALL DUCTWORK TIGHT WITH THE BUILDING STRUCTURE WHEN FEASIBLE TO ACCOMMODATE NEW CEILING. CONTRACTOR SHALL COORDINATE ALL INSTALLATION WORK WITH ARCHITECTURAL AND ELECTRICAL DESIGN. ALL DUCTWORK SHALL BE MODIFIED AS NECESSARY AND REQUIRED TO FIT AROUND BUILDING STRUCTURES, ARCHITECTURAL BUILD-OUT AND ELECTRICAL CABLE TRAY INSTALLATIONS. MECHANICAL CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE WORK SCOPE OF OTHER TRADES AND PARTICIPATE IN COORDINATING ALL CONSTRUCTION EFFORTS. CONTRACTOR SHALL INSTALL ALL EXHAUST SYSTEMS, INCLUDING FANS AND EXHAUST DUCTS. PROVIDE COMPLETE NEW SYSTEMS AS INDICATED. CONTRACTOR SHALL PROVIDE ALL CEILING DIFFUSERS AS SHOWN. CONNECT EACH DIFFUSER TO THE MAIN DISTRIBUTION DUCT WITH A FLEX-DUCT SECTION; CONNECTIONS SHALL BE COMPLETED IN ACCORDANCE WITH THE DETAIL. EACH FLEX-DUCT CONNECTION SHALL INCLUDE A BUTTERFLY DAMPER TO BE INSTALLED AT THE TRUNK DUCT. CONTRACTOR SHALL PROVIDE ALL DUCTWORK REQUIRED TO COMPLETE THE HVAC SYSTEM. TIE IN BRANCH DUCTS TO MAIN DUCTS WITH SHEET METAL FLANGES. FLANGE CONNECTION SHALL BE FASTENED WITH CRIMPED SHEET METAL STRIPS AND SEALED WITH SILICONE CAULK. CONTRACTOR SHALL SUPPLY AND INSTALL FIRE DAMPERS AND ACCESS DOORS IN THE HORIZONTAL DUCTS WHERE THEY PENETRATE FIRE BARRIERS. CONTRACTOR SHALL PROVIDE FIRE DAMPERS IN ALL DIFFUSERS AND GRILLES LOCATED IN FIRE RATED CEILING. ALL HALLWAY DIFFUSERS AND GRILLES SHALL BE INSTALLED WITH FIRE DAMPERS. ALL DIFFUSERS AND GRILLES SHOWN WITH A CIRCLED "F" SHALL BE EQUIPPED WITH FIRE DAMPERS. ALL OPENINGS CUT IN MASONRY AND PLASTER WALLS OR CONCRETE FLOORS SHALL BE CORE DRILLED OR SAWED WHEN POSSIBLE. CONTRACTOR SHALL CHECK BUILDING CONSTRUCTION BEFORE MAKING PENETRATIONS TO AVOID CUTTING THROUGH STRUCTURAL BEAMS AND REINFORCING. CONTRACTOR SHALL INFORM THE ENGINEER IF REINFORCING IS CUT OR DAMAGED WHILE MAKING OPENINGS. CONTRACTOR SHALL REINFORCE ALL OPENINGS AS REQUIRED BY DRAWINGS AND SPECIFICATIONS. PATCH AND SEAL OPENINGS WITH 8000 PSI CEMENT GROUT. INSTALL DECORATIVE TRIM (EQUIPMENT FLANGES, FRAMING OR ESCUTCHEONS) AROUND OPENINGS IN THE FINISHED AREAS. COORDINATE ALL CUTTING AND PATCHING WITH THE OTHER TRADES. ON ANY WORK SHOWN ON MECHANICAL DRAWINGS REQUIRING DEMOLITION OF EXISTING OR NEW BUILDING STRUCTURES AND FINISHES, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLETE THE NECESSARY DEMOLITION. CONTRACTOR SHALL PATCH AND REPAIR ALL DEMOLITION WORK. PATCHING SHALL BE COMPLETED WITH THE SAME MATERIALS AS THE SURROUNDING AREAS, OR WITH ARCHITECT-APPROVED PATCHING MATERIALS. REPAIRS SHALL BE COMPLETED ACCORDING TO ARCHITECTURAL SPECIFICATIONS. ALL REFINISHING SHALL BE APPROVED BY THE ARCHITECT. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETING THE INSTALLATION OF THE AIR DISTRIBUTION SYSTEM SHOWN. DUCTWORK, DUCT ACCESSORIES AND CONTROLS SHOWN AND REQUIRED SHALL BE SUPPLIED AND INSTALLED. ALL INSTALLATION WORK SHALL BE DONE IN ACCORDANCE WITH APPLICABLE CODES, INCLUDING NFPA 90A AND 90B. CONTRACTOR SHALL BALANCE ALL AIR DISTRIBUTION SYSTEMS TO ACHIEVE THE AIR VOLUME REQUIREMENTS INDICATED. BALANCING SHALL INCLUDE ADJUSTMENT OF ALL MANUAL VOLUME DAMPERS, SPLITTER DAMPERS, ZONE DAMPERS (IF REQUIRED), AND BUTTERFLY DAMPERS. CONTRACTOR SHALL SUPPLY THE ENGINEER WITH A COMPLETE BALANCING REPORT WHICH INCLUDES VOLUME, ROOM REFERENCE AND ZONE VOLUME TOTALS. CONTRACTOR SHALL COORDINATE THE FINAL LOCATIONS OF ALL CEILING DIFFUSERS WITH LIGHTING INSTALLATIONS AND ARCHITECTURAL REFLECTED CEILING PLANS. MOVE THE DIFFUSER LOCATIONS IF REQUIRED TO AVOID OBSTRUCTIONS FROM DUCTWORK AND LIGHT FIXTURES. COORDINATE RELOCATION WITH ENGINEER. ALL PIPING SHALL BE INSULATED AND JACKETED. REFER TO THE SPECIFICATIONS. CONDENSER COILS ARE TO BE COATED IN ACCORDANCE WITH THE SPECIFICATIONS. VERIFY THE LOCATION OF ALL WALLS, PARTITIONS, DOORS, CABINETS, AND CEILING FROM ACTUAL FIELD MEASUREMENTS.
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**CONSTRUCTION OF SPACE
 PRESSURE CONTROL AT
 THE AUTOPSY FACILITY**
 Edinburg, Texas



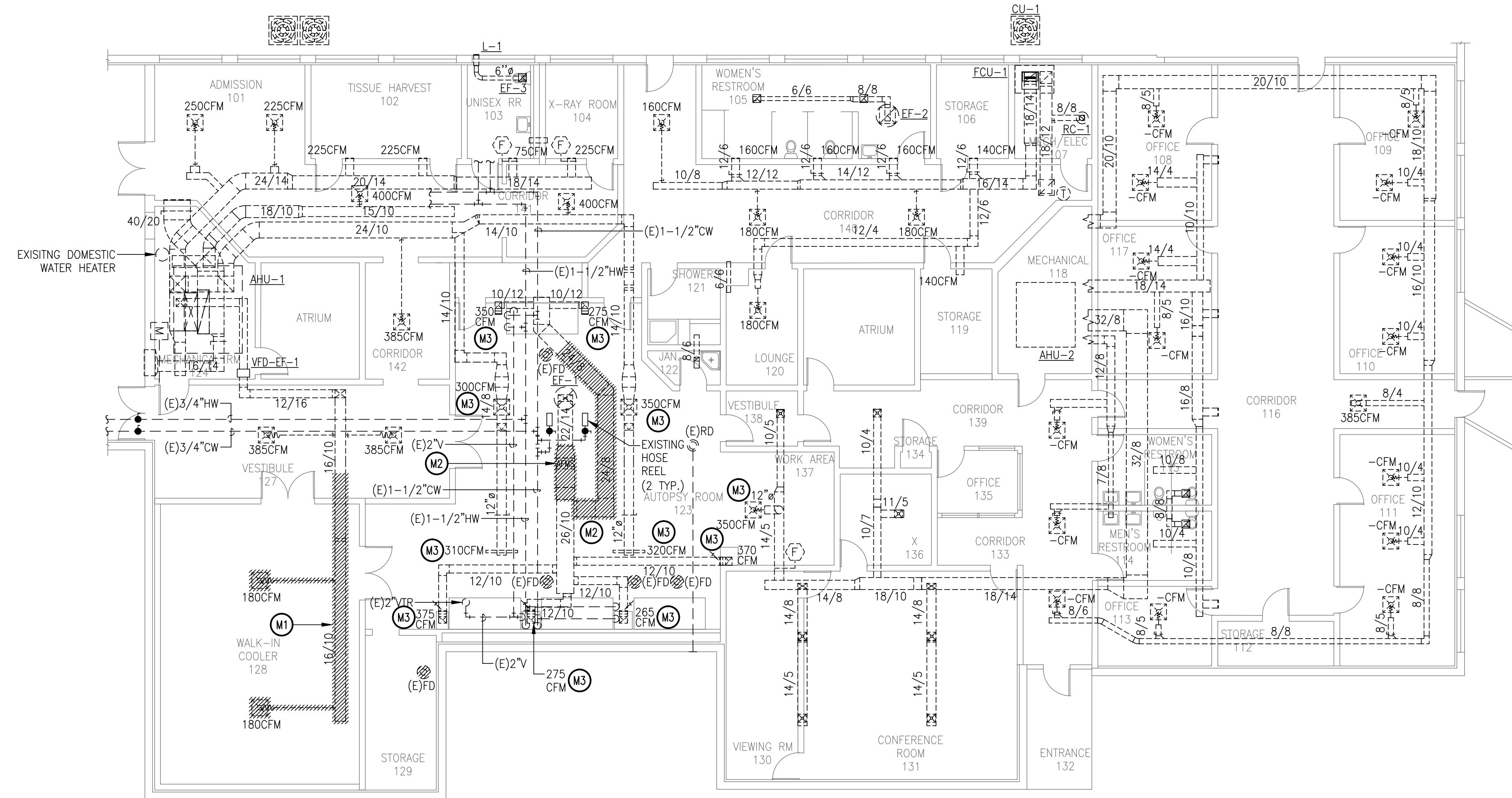
Revision No.	Date	Description



Project No.:	30925
Issued:	04 / 18 / 16
Drawn By:	R.T.
Checked By:	T.M.
Scale:	AS NOTED
Sheet Title	MECHANICAL GENERAL LEGEND
M0.01	Sheet Number

GENERAL DEMOLITION NOTES

- INFORMATION ON THE PLAN HAS BEEN OBTAINED FROM EXISTING DRAWINGS AND SITE SURVEY. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK. ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND CONSTRUCTION DOCUMENTS SHALL BE REPORTED IMMEDIATELY TO THE ENGINEER AND/OR ARCHITECT.
- THE CONTRACTOR IS FULLY RESPONSIBLE FOR PERFORMING THE DEMOLITION WORK UNDER THIS SECTION OF THE PROJECT IN FULL COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES. IF THE CONTRACTOR DETERMINES THAT THE CONTRACT DOCUMENTS AND PLANS ARE NOT IN COMPLIANCE WITH THE APPLICABLE CODES, HE SHALL INFORM THE ENGINEER PRIOR TO CONSTRUCTION START FOR DIRECTION. FAILURE TO DO SO SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO MEET CODE REQUIREMENTS AND REWORK SHALL BE AT CONTRACTOR'S EXPENSE. APPLICABLE CODES AND STANDARDS ON DEMOLITION WORK SHALL INCLUDE THOSE PUBLISHED BY OSHA AND EPA. AN ASBESTOS SURVEY SHALL BE KEPT ON SITE AT ALL TIMES PER TEXAS DEPARTMENT OF HEALTH REQUIREMENTS.
- ALL DUST PRODUCTION, SMOKE PRODUCTION AND NOISE SHALL BE SUBJECT TO REAL TIME REVIEW BY THE ENGINEER. WORK SHALL BE SHUT DOWN DURING CRITICAL ACTIVITIES BY FORMAL REQUEST FROM THE DESIGNATED AUTHORITY OR CONTRACTING ENGINEER. WORK IN DUSTY AREAS SHALL BE CONTROLLED WITH TEMPORARY PARTITIONS. FLAME CUTTING SHALL BE MINIMIZED TO ELIMINATE SMOKE PRODUCTION. PROVIDE FIRE EXTINGUISHERS IN THE IMMEDIATE AREA.
- GENERAL CONTRACTOR SHALL BE ADVISED OF ALL NEW PROPOSED OPENINGS BY ANY SUB-CONTRACTOR.
- ON ANY WORK SHOWN ON MECHANICAL DRAWINGS WHICH REQUIRES DEMOLITION OF BUILDING STRUCTURES AND FINISHES, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLETE THE NECESSARY DEMOLITION. CONTRACTOR SHALL PATCH AND REPAIR ALL BUILDING DAMAGE CREATED BY DEMOLITION WORK. PATCHING SHALL BE COMPLETED WITH THE SAME MATERIALS AS THE SURROUNDING AREAS, OR WITH APPROVED PATCHING MATERIALS.
- ALL OPENINGS CUT IN MASONRY AND PLASTER WALLS/CEILING OR CONCRETE FLOORS SHALL BE CORE-DRILLED OR SAWED WHEN POSSIBLE. CONTRACTOR SHALL CHECK BUILDING CONSTRUCTION WITH STRUCTURAL ENGINEER BEFORE MAKING PENETRATIONS TO AVOID CUTTING THROUGH STRUCTURAL BEAMS AND REINFORCING. CONTRACTOR SHALL INFORM THE ENGINEER IF REINFORCING IS CUT OR DAMAGED WHILE MAKING OPENINGS AS REQUIRED BY DRAWINGS AND SPECIFICATIONS. PATCH AND SEAL OPENINGS WITH 8000 PSI CEMENT GROUT. INSTALL DECORATIVE TRIM (EQUIPMENT FLANGES, FRAMING, OR ESCUTCHEONS) AROUND OPENINGS IN FINISHED AREAS. COORDINATE ALL CUTTING AND PATCHING WITH THE OTHER TRADES.
- ALL SURFACES COVERED BY "SPRAY POLY" AND PROTECTED BY TEMPORARY PARTITIONS SHALL REMAIN PROTECTED THROUGHOUT THE PROJECT. REMOVE THE PROTECTIVE BARRIERS ONLY AFTER THE NEW EQUIPMENT PIPING AND DUCTWORK IS INSTALLED. PATCH AND MAINTAIN THE PROTECTIVE BARRIERS DURING CONSTRUCTION. COVER ALL EQUIPMENT OPENINGS WITH 4 MIL. POLY AND DUCT TAPE IN PLACE.
- ALL NEW ROOF PENETRATIONS SHALL BE ROUTED THRU ANY EXISTING OPENING WHEREVER POSSIBLE. LARGER AND NEW OPENINGS SHALL BE KEPT TO A MINIMUM.
- CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ALL UNDERGROUND UTILITIES IN AREAS OF EXCAVATION WORK.
- CONTRACTOR SHALL REMOVE AND RETURN ANY AND ALL EXISTING EQUIPMENT/MATERIALS TO OWNER. OWNER SHALL HAVE FULL RIGHT OF OWNERSHIP UNLESS SPECIFIED OTHERWISE. IF THE OWNER WAIVES THIS OPTION, ANY EQUIPMENT, MATERIAL, ETC SHALL BECOME THE PROPERTY OF THE CONTRACTOR. FOR ALL EQUIPMENT AND MATERIALS IDENTIFIED BY THE OWNER TO BE KEPT, THE CONTRACTOR SHALL DELIVER TO MAINTENANCE DEPARTMENT AT A MUTUALLY AGREEABLE TIME AND LOCATION.
- CONTRACTOR SHALL KEEP THE ENTIRE DEMOLITION SITE CLEAN AT ALL TIMES.
- CONTRACTOR AND OWNER SHALL BE FULLY RESPONSIBLE TO IDENTIFY ANY AND ALL ASBESTOS PRESENT IN THE BUILDING PRIOR TO DEMOLITION AS REQUIRED BY LAW.
- COORDINATION AMONG OTHER CONSTRUCTION DISCIPLINES PRIOR TO DEMOLITION IS MANDATORY.
- CONTRACTOR SHALL IDENTIFY ALL WATER CONNECTION LINES, NATURAL GAS LINES AND SANITARY SEWER LINES PRIOR TO COMMENCING DEMOLITION WORK.
- COORDINATE ANY AND ALL ASBESTOS ABATEMENT WITH GENERAL CONTRACTOR.



01 MECHANICAL DEMOLITION PLAN
SCALE: 3/32" = 1'-0"

GENERAL NOTES

- REFER TO SHEET M0.01 FOR MECHANICAL GENERAL NOTES.
- PROVIDE A BORDER-TYPE ACCESSORY FOR EXISTING DIFFUSERS THAT ARE SUITABLE FOR A SURFACE MOUNT INSTALLATION.

MECHANICAL KEY NOTES: (M)

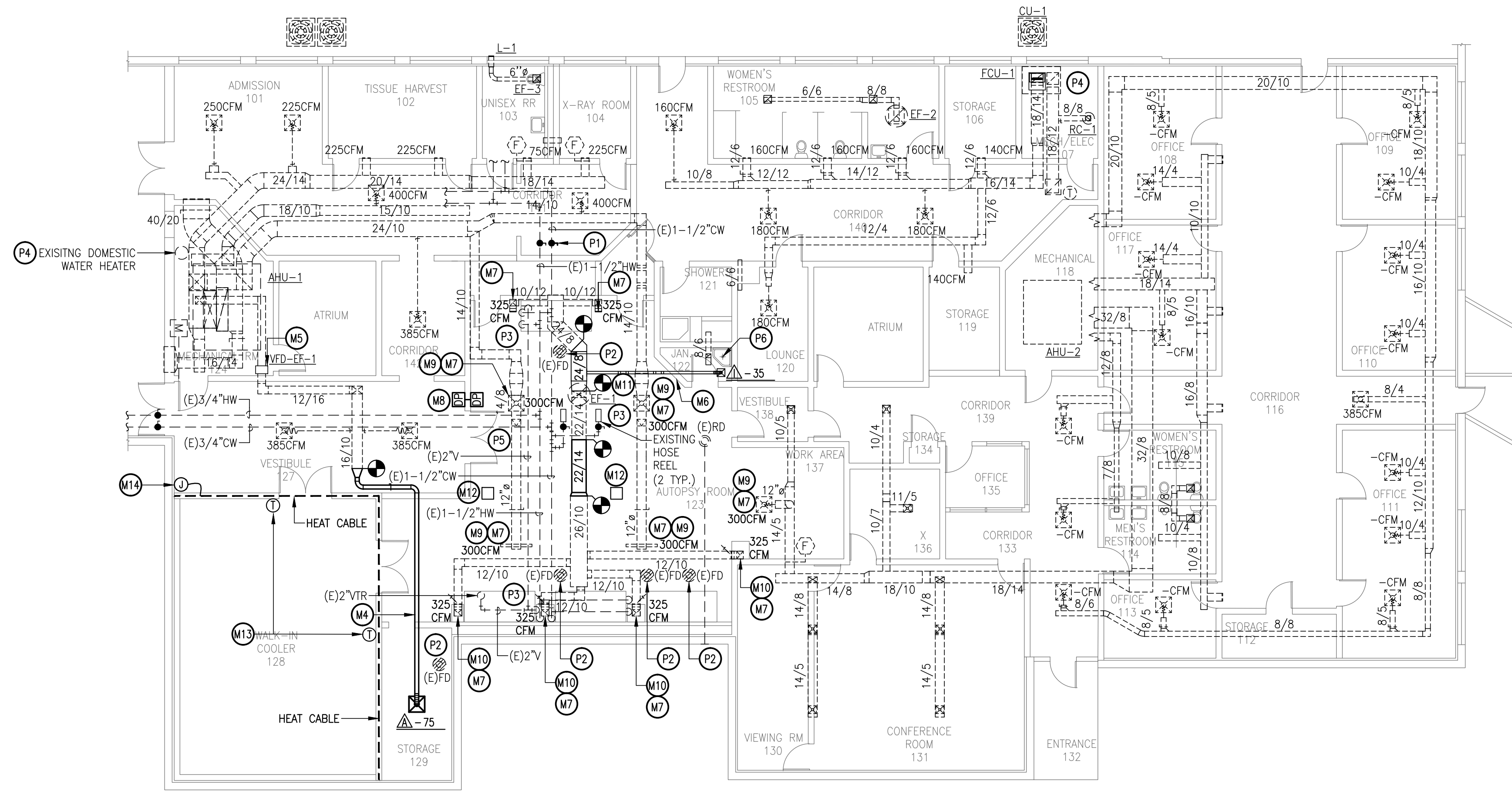
- DISCONNECT DUCTWORK NEAR PARTITION WALL AS INDICATED. ABANDON SUPPLY AIR DUCTWORK AND AIR DEVICES ABOVE WALK-IN COOLER. COORDINATE EXTENT OF DEMOLITION WITH NEW WORK REQUIREMENTS. FIELD VERIFY EXISTING CONDITIONS.
- DEMOLISH EXISTING AIR FLOW MEASURING STATION AND HEPA FILTER FRAME. EXISTING DIFFERENTIAL PRESSURE SWITCH, PRESSURE GAUGE, AND ANY OTHER APPURTENANCE TO MAKE THE SYSTEM OPERABLE SHALL BE SALVAGED FOR RE-USE. REMOVE EXISTING DUCT AS INDICATED. PATCH AND SEAL DUCT AS NECESSARY. COORDINATE EXTENT OF DEMOLITION WITH NEW WORK REQUIREMENTS. FIELD VERIFY EXISTING CONDITIONS. EXISTING AIR DEVICE SHALL REMAIN. RE-BALANCE AIR DEVICE.
- ROUTE 6" Ø DUCT THROUGH JOIST WEBBING.
- EXISTING VFD SERVING EF-1.
- EXISTING VFD SERVING EF-1.
- EXISTING AIR DEVICE. RE-BALANCE AS SHOWN.
- NEW DIFFERENTIAL PRESSURE SENSOR AT 96 INCHES ABOVE FINISHED FLOOR.
- FURNISH AND INSTALL CABLE OPERATED BALANCING DAMPER EQUAL TO ROTO-TWIST MODEL RT-150. EXTEND CABLE TO SUPPLY AIR DEVICE AND TERMINATE.
- FURNISH AND INSTALL OPPOSED BLADE BALANCING DAMPER IN DUCT RISE ACCESSIBLE BY REMOVING GRILLE.
- FURNISH AND INSTALL NEW CURB ADAPTOR. REFER TO DETAIL 02/M2.01 FOR CURB EXTENSION.
- PROVIDE 18"X18" ACCESS PANEL EQUAL TO ACUDOR MODEL NO. ADWT. ACCESS DOOR SHALL BE AIRTIGHT.
- CONTRACTOR SHALL PROVIDE AND INSTALL HEATING CABLE WITHIN EXISTING CONCRETE SLAB. REFER TO 04/M2.01 FOR DETAIL. HEATING CABLE SHALL BE EQUAL TO PENTAIR MODEL RAYSOLI (120V). INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. APPROXIMATE LENGTH OF CABLE IS 62'-FEET.
- ELECTRICAL THERMOSTAT FOR HEATING CABLE EQUAL TO PENTAIR #EOW-GF COMPLETE WITH SLAB TEMPERATURE SENSOR. INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. TEMPERATURE SETPOINT SHALL BE 75°F.

PLUMBING KEY NOTES: (P)

- PROVIDE AND INSTALL NEW AREA SHUT-OFF VALVES ON DOMESTIC COLD AND HOT WATER LINES SERVING AUTOPSY ROOM.
- PROVIDE AND INSTALL PRO-SET TRAP GUARD SYSTEM ON EXISTING FLOOR DRAIN IN AUTOPSY ROOM TO PREVENT SEWER GAS FROM ESCAPING.
- PLUMBING CONTRACTOR SHALL VERIFY ALL EXISTING SHUT-OFF VALVES AND TRAP PRIMERS ABOVE CEILING IN AUTOPSY ROOM SERVING PLUMBING FIXTURES, FLOOR DRAINS, HOSE REELS, ETC. ARE IN OPEN POSITION AND FUNCTIONAL. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPLACE LEAKING OR NON-FUNCTIONAL SHUT-OFF VALVES AND TRAP PRIMERS. NO LEAKING JOINTS SHALL REMAIN.
- PLUMBING CONTRACTOR SHALL VERIFY EXISTING WATER HEATER IS IN WORKING CONDITION. VERIFY HEATING ELEMENTS ARE OPERATIONAL. IF EXISTING WATER HEATER IS NOT OPERATIONAL, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPLACE WITH A WATER HEATER OF EQUAL SIZE AND ELECTRICAL REQUIREMENTS.
- ALL HOT AND/OR TEMPERED WATER LINES ABOVE CEILING OF AUTOPSY ROOM SHALL BE INSULATED WITH 1" MINERAL FIBER INSULATION.
- PROVIDE AND INSTALL PRO-SET TRAP GUARD SYSTEM ON EXISTING MOP SINK TO PREVENT SEWER GAS FROM ESCAPING.

LEGEND:

- EXISTING DUCTWORK TO REMAIN
- EXISTING EQUIPMENT AND/OR DUCTWORK TO BE DEMOLISHED
- NEW DUCTWORK
- (E) EXISTING
- (E)RD EXISTING ROOF DRAIN
- (E)FD EXISTING FLOOR DRAIN
- CW DOMESTIC COLD WATER
- HW DOMESTIC HOT WATER
- V SEWER VENT
- HEAT CABLE



02 MECHANICAL PLAN
SCALE: 3/32" = 1'-0"

CONSTRUCTION OF SPACE
PRESSURE CONTROL AT
THE AUTOPSY FACILITY
Edinburg, Texas



HALFF
5000 WEST MILITARY, SUITE 100
EDINBURG, TEXAS 78541
TEL: (361) 664-0286
TOLL FREE: (800) 451-2212

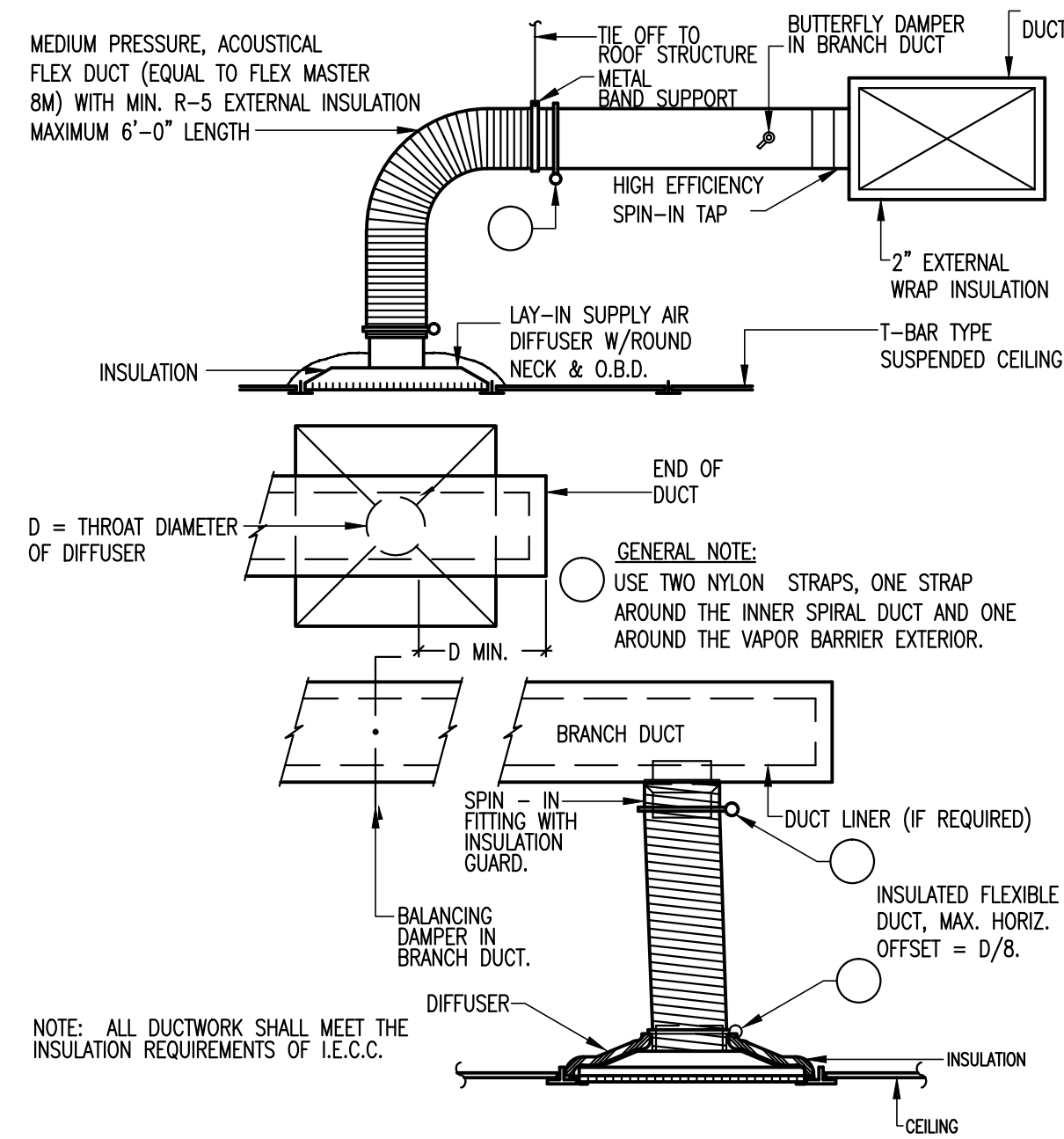
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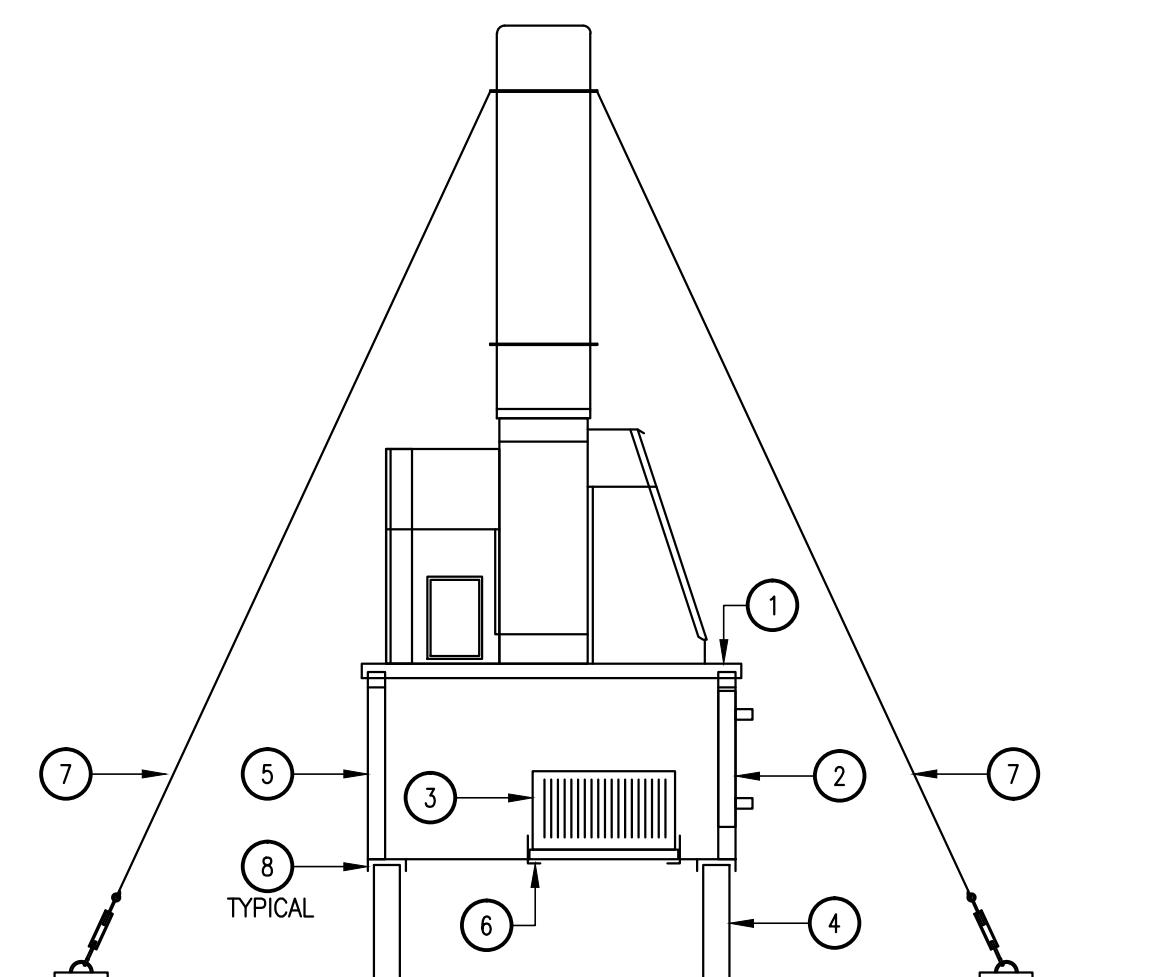
MECHANICAL PLANS

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01 SUPPLY AIR DIFFUSER

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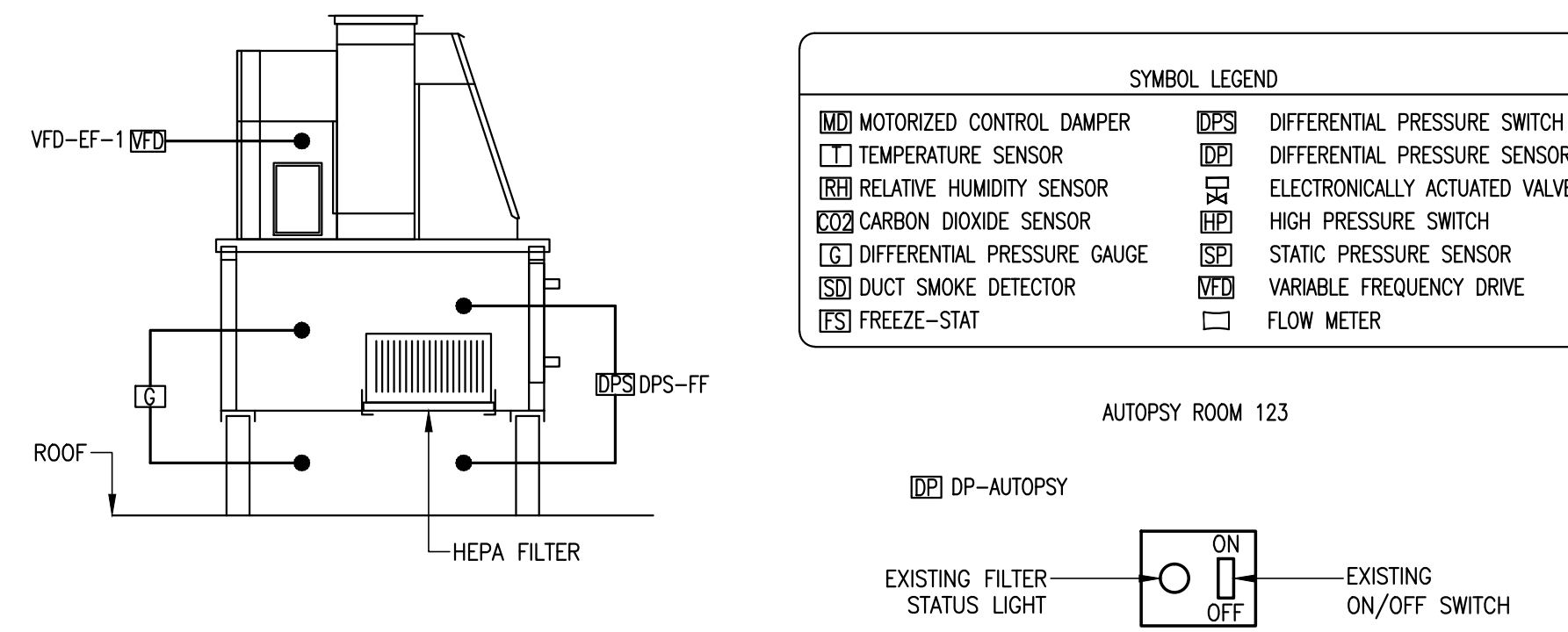


KEY NOTES: ①

1. SEAL FAN CAP TO CURB ADAPTER.
2. ACCESS DOOR ON TWO SIDES FOR FILTER REMOVAL. LEAK TIGHT GASKETS.
3. 99.97% HEPA CAMFIL 01XH-24Z24Z12-10-3CA.
4. EXISTING ROOF CURB.
5. 24" TALL CURB ADAPTER.
6. CAMFIL HEPA FRAME MF1-24.62X24.62-304SST.
7. PROVIDE NEW GUY WIRE AS NEEDED FOR SUPPORT. SECURE GUY WIRE TO EXISTING ROOF ANCHOR.
8. CONTRACTOR SHALL FASTEN EQUIPMENT TO CURB USING CADMIUM PLATED # 12 HEX SCREWS, 2-INCHES IN LENGTH. SCREWS SHALL BE LOCATED ALONG EACH SIDE OF THE EQUIPMENT BASE FRAME 6-INCHES FROM EACH CORNER. IN ADDITION, SAME SCREW TYPE SHALL BE PROVIDED ON AN INTERVAL NOT TO EXCEED 6-INCHES BETWEEN THE TWO SCREWS NEAR THE CORNERS.

02 EXISTING EXHAUST FAN ROOF CURB ADAPTOR

N.T.S.



SEQUENCE OF OPERATION FOR AUTOPSY EXHAUST, EF-1

EXISTING CONDITIONS:

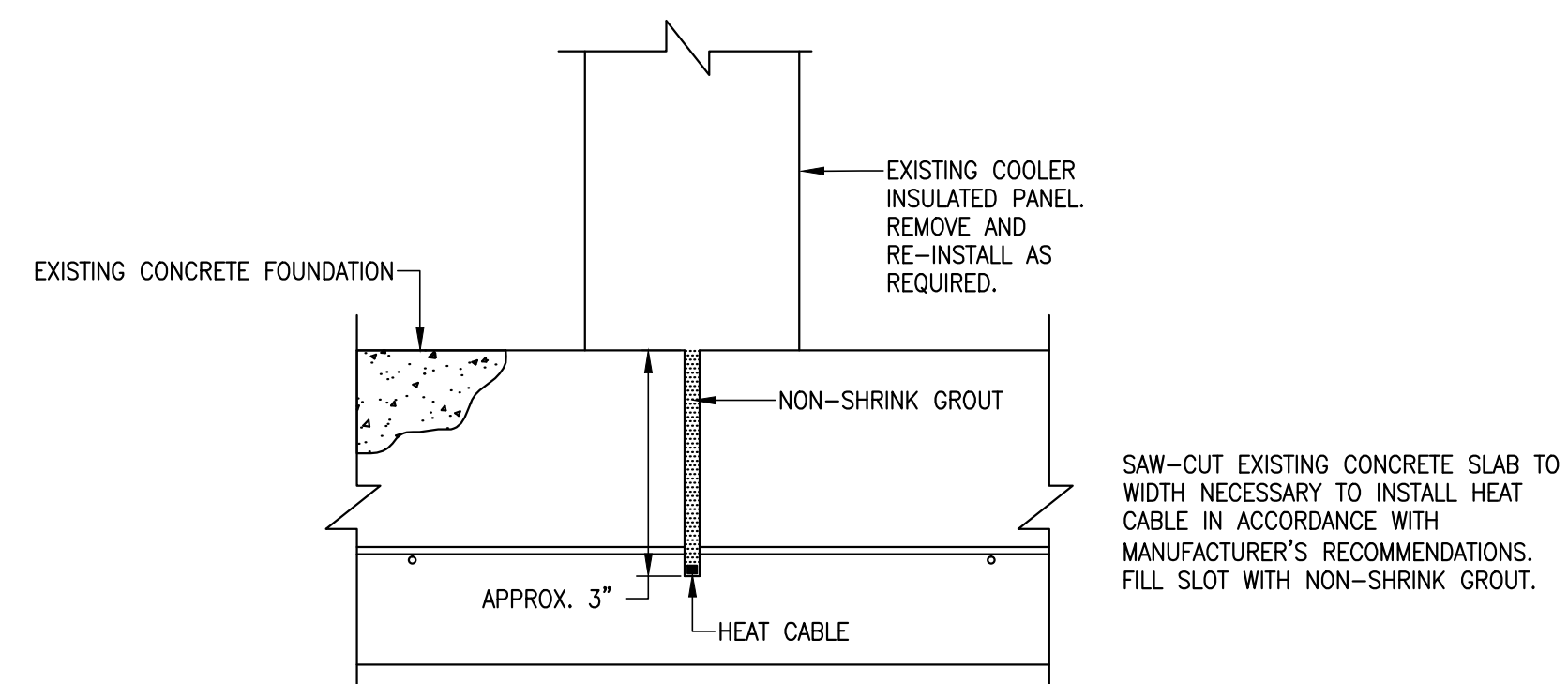
- THE EXISTING SYSTEM HAS A PRESSURE DIFFERENTIAL SWITCH THAT READS A PRESSURE DIFFERENTIAL ACROSS A HEPA FILTER. AS THE FILTER BEGINS TO FILL, IT IS UNDERSTOOD THAT THE DIFFERENTIAL PRESSURE SWITCH (DPS-FF) SHALL REGISTER THIS PRESSURE. FURTHER, AS THE PRESSURE RISES ABOVE 2" OF H2O, A CONTACT IN THE PRESSURE DIFFERENTIAL SWITCH ENERGIZES A RED PILOT LIGHT. THIS CONDITION INDICATES A FULL FILTER THAT NEEDS TO BE CHANGED. THE RELAY CAN BE RESET ONCE THE FILTER HAS BEEN CHANGED AND THE HIGH PRESSURE SITUATION NO LONGER EXISTS.

NORMAL OPERATION:

- EXHAUST FAN SHALL BE TURNED ON OR OFF BY EXISTING MANUALLY OPERATED SWITCH LOCATED IN AUTOPSY ROOM 123.
- EXHAUST FAN SHALL START. A ROOM DIFFERENTIAL PRESSURE SENSOR (DP-AUTOPSY) SHALL SIGNAL THE VFD OPERATING THE EXHAUST FAN MOTOR TO INCREASE OR DECREASE FAN SPEED AS REQUIRED TO MAINTAIN A NEGATIVE STATIC PRESSURE SETPOINT OF 0.01" w.g. (ADJUSTABLE). EXHAUST FAN SHALL OPERATE INDEPENDENTLY OF AHU-1.
- DURING NORMAL OPERATION FILTER STATUS LIGHT SHALL NOT ENERGIZE.

03 CONTROLS - EF-1

N.T.S.



HEAT CABLE IN CONCRETE FOUNDATION

04 DETAIL

N.T.S.

EXHAUST FAN SCHEDULE

MARK	CFM	SERVICE	LOCATION	TYPE	RPM	EXT SP (IN WG)	HP	DRIVE	VOLTAGE	MAX. SONES	CONTROL	MFGR.	MODEL	NOTES
EF-1	1850	AUTOPSY AREA	ROOF	UTILITY	1725	2.5	2	BELT	208/3	11.9	LIGHTS	COOK	135 CPS	1

NOTES:
1. RE-BALANCE EXISTING FAN'S VOLUMETRIC FLOWRATE TO 1985 CFM.

GRILLE/DIFFUSER/REGISTER SCHEDULE

MARK	SERVICE	DESCRIPTION	MANUFACTURER MODEL NO.	MAX. NC. LEVEL (1)	REMARKS
A	SUPPLY	24"X24" MODULE SIZE, ALUMINUM, LOUVERED, LAY IN DIFFUSER WITH 4 WAY THROW, ROUND NECK, FACE SIZE AS INDICATED BELOW.	TITUS TMS-AA	30	#26 WHITE FINISH
G	RETURN	24"X24" EGGRATE FACE, CEILING RETURN GRILL WITH BORDER FOR LAY-IN CEILING, ALUMINUM CONSTRUCTION.	TITUS 50F	30	#26 WHITE FINISH
I	RETURN	12"X12" EGGRATE FACE, CEILING RETURN GRILLE, SURFACE MOUNTED, ALUMINUM CONSTRUCTION.	TITUS 50F	30	#26 WHITE FINISH

F = THIS WILL DESIGNATE A STEEL FIRE RATED AIR DEVICE TYPE. AIR OUTLET DESIGNATION ON PLANS

CAPACITY	FACE	NECK/FLEXIBLE CONNECTION
0-150	6 X 6	6"
151-285	9 X 9	8"
286-440	12 X 12	10"
441-550	12 X 12	12"
551-750	15 X 15	14"
750-1000	18 X 18	16"

CBA = COLOR BY ARCHITECT

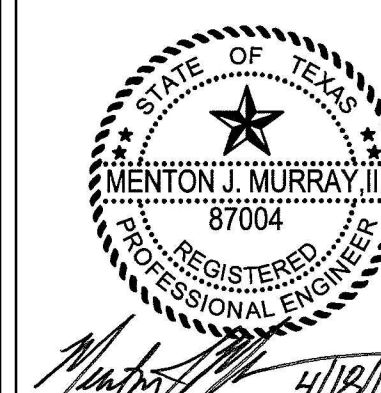
MARK A - 200 AIR FLOW (CFM) 12 X 8 RECTANGULAR FACE SIZE (WHERE APPLICABLE)

* = SEE ARCHITECTURAL DRAWINGS PROPER BORDER TYPES

NOTE: COORDINATE ALL AIR DEVICE TYPE WITH ARCHITECTURAL RCP.



Revision No.	Date	Description



ELECTRICAL GENERAL LEGEND

ALL SYMBOLS SHOWN MAY NOT APPEAR IN ALL DRAWINGS.
SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.

SYMBOL	DESCRIPTION	MNTG. HT. UNO (SEE NOTE 1)	SYMBOL	DESCRIPTION	MNTG. HT. UNO (SEE NOTE 1)	SYMBOL	DESCRIPTION	MNTG. HT. UNO (SEE NOTE 1)
LIGHTING								
	2x4' FLUORESCENT LIGHT FIXTURE HATCHING = WITH EMERGENCY BATTERY PACK	REFER TO ARCH. CLG. PLAN		SINGLE RECEPTACLE - 20A/125V/1P/3W/G NEMA 5-20R	15" AFF		DOOR HOLDER OR DOOR RELEASE - ROUGH-IN ONLY	-
	2x2' FLUORESCENT LIGHT FIXTURE HATCHING = WITH EMERGENCY BATTERY PACK	REFER TO ARCH. CLG. PLAN		DUPLEX RECEPTACLE - 20A/125V/1P/3W/G NEMA 5-20R	15" AFF		FIRE ALARM PULL STATION - ROUGH-IN ONLY	48" AFF
	FLUORESCENT STRIP LIGHT HATCHING = WITH EMERGENCY BATTERY PACK	REFER TO ARCH. CLG. PLAN		220 RECEPTACLE - 20A/125V/1P/3W/G NEMA 5-20R	15" AFF		FIRE ALARM AUDIBLE/VISUAL SIGNAL - ROUGH-IN ONLY	80" AFF
	SUSPENDED LINEAR LIGHT FIXTURE	REFER TO ARCH. CLG. PLAN		DUPLEX RCPT. GF/WATER PROOF - 20A/125V/1P/3W/G NEMA 5-20R	15" AFF		FIRE ALARM AUDIBLE SIGNAL - ROUGH-IN ONLY	80" AFF
	DOWNLIGHT HATCHING = WITH EMERGENCY BATTERY PACK	REFER TO ARCH. CLG. PLAN		QUADRUPLEX RECEPTACLE (TWO DUPLEX RCPTS. UNDER ONE COVERPLATE)	15" AFF		FIRE ALARM VISUAL SIGNAL - ROUGH-IN ONLY	80" AFF
	WALLPACK HATCHING = WITH EMERGENCY BATTERY PACK	REFER TO ARCH. CLG. PLAN		ISOLATED GROUND QUADRUPLEX RECEPTACLE (TWO DUPLEX RCPTS. UNDER ONE COVERPLATE)	15" AFF		FIRE ALARM SPRINKLER FLOW SWITCH - ROUGH-IN ONLY	-
	EMERGENCY FIXTURE	9"-0" AFF U.N.O.		ISOLATED GROUND DUPLEX RECEPTACLE - 20A/125V NEMA 5-20R	15" AFF		FIRE ALARM SPRINKLER TAMPER SWITCH - ROUGH-IN ONLY	-
	POLE MOUNTED FIXTURE	REFER TO LIG FIXTURE SCH.		DUPLEX RECEPTACLE ON EMERGENCY CIRCUIT	15" AFF		FIRE ALARM SMOKE DETECTOR CEILING OR WALL MOUNTED - ROUGH-IN ONLY	80" AFF
	EXIT LIGHT, CEILING OR WALL MOUNTED - SHADING INDICATING SINGLE OR DOUBLE FACE; DIRECTIONAL ARROWS AS INDICATED	REFER TO ARCH. CLG. PLAN		FLOOR MOUNTED DUPLEX RECEPTACLE - FLUSH MOUNTED UNO	-		HEAT DETECTOR CEILING OR WALL MOUNTED - ROUGH-IN ONLY	-
	DIGITAL SWITCH - BASIS OF DESIGN: Z MAX #ZMDSW-X-X X=SWITCH ID, XX=# OF BUTTONS	48" AFF		ISOLATED GROUND FLOOR MOUNTED DUPLEX RECEPTACLE FLUSH MOUNTED UNO	-		DUCT SMOKE DETECTOR - ROUGH-IN ONLY	-
	WIRELESS SINGLE POLE SWITCH - REFER TO WIRING DIAGRAM ON SHEET E-401	48" AFF		DUPLEX RCPT. SPLIT-WIRED - 20A/125V/1P/3W/G NEMA 5-20R	15" AFF		FIRE ALARM CONTROL PANEL	-
	SINGLE POLE SWITCH	48" AFF		SPECIAL PURPOSE RECEPTACLE (NEMA NO. OR RATING AS INDICATED)	15" AFF		FIRE ALARM ANNUNCIATOR PANEL	-
	3-WAY/4-WAY SWITCH	48" AFF		JUNCTION BOX - SIZE & MOUNTING AS REQUIRED	15" AFF	COMMUNICATION		
	TIMER SWITCH BASIS OF DESIGN: TORK #A530M W	48" AFF		MULTIOUTLET ASSEMBLY - LENGTH AND OUTLET SPACING AS INDICATED	-		TELEPHONE/DATA OUTLET, WALL MOUNTED - STUB 3/4" C. ABOVE ACCESSIBLE CEILING	15" AFF
	OCCUPANCY SENSOR(DUAL TECHNOLOGY WALL SWITCH SENSOR)	48" AFF		DISCONNECT SWITCH - 30/-/3 INDICATES 30A, 3-POLE, NONFUSED; 30/30/3 INDICATES 30A, 3-POLE, 30A FUSE	AS REQD.		TELEPHONE OUTLET, WALL MOUNTED - STUB 3/4" C. ABOVE ACCESSIBLE CEILING	15" AFF
	OCCUPANCY SENSOR(DUAL TECHNOLOGY DUAL RELAY WALL SWITCH SENSOR)	48" AFF		CIRCUIT BREAKER DISCONNECT SWITCH - THERMAL MAGNETIC CB IN NEMA 1 ENCL; AMPS/POLES AS INDICATED	AS REQD.		DATA OUTLET, WALL MOUNTED - STUB 3/4" C. ABOVE ACCESSIBLE CEILING	15" AFF
	LINE VOLTAGE KEY SWITCH : SINGLE	48" AFF		DISCONNECT SWITCH - 30/30/3 INDICATES 30A, 3-POLE, 30A FUSE	AS REQD.		FLOOR MOUNTED TELEPHONE/DATA OUTLET - FLUSH MOUNTED UNO	-
	LINE VOLTAGE KEY SWITCH : 3-WAY	48" AFF		MOTOR STARTER FVAR UNO; NUMBER INDICATES NEMA SIZE	AS REQD.		FLOOR MOUNTED TELEPHONE OUTLET - FLUSH MOUNTED UNO	-
	LINE VOLTAGE KEY SWITCH : 4-WAY	48" AFF		COMBINATION MOTOR CONTROLLER/DISCONNECT SWITCH	AS REQD.		FLOOR MOUNTED DATA OUTLET - FLUSH MOUNTED UNO	-
	CEILING MOUNT OCCUPANCY SENSOR(DUAL TECHNOLOGY CEILING SENSOR)	-		PANELBOARD	-		TELEPHONE OUTLET, WALL MOUNTED - STUB 3/4" C. ABOVE ACCESSIBLE CEILING	48" AFF
	CORNER MOUNT OCCUPANCY SENSOR(DUAL TECHNOLOGY WALL SENSOR)	-		TRANSFORMER	-		SOUND CONSOLE (RACK)	-
	WIRELESS SINGLE POLE SWITCH - REFER TO WIRING DIAGRAM ON SHEET E-401	48" AFF		MOTOR	-		P.A. SPEAKER, CEILING OR WALL MOUNTED	9" BFC, UNO
SECURITY SYSTEM								
	DOOR MONITOR - ROUGH-IN ONLY			SINGLE LINE CONTINUATION	-		MICROPHONE OUTLET	-
	CAMERA - ROUGH-IN ONLY			CIRCUIT HOME RUN TO PANELBOARD (2 #12, 1 #12G, 3/4"C. 20A/1P CB UNO)	-		CLOCK - SINGLE OR DOUBLE FACE	-
	CARD READER - ROUGH-IN ONLY			THREE SINGLE POLE DEVICE CIRCUIT NUMBERS	-		WIRELESS ACCESS POINT	-
	MOTION DETECTOR - ROUGH-IN ONLY			MULTI-POLE DEVICE CIRCUIT NUMBERS	-		SPRINKLER SYSTEM REGULATOR RELAY	-
	DOOR CONTACT - ROUGH-IN ONLY						TELEVISION OUTLET, CLG. OR WALL MOUNTED - STUB 3/4" C. ABOVE ACCESSIBLE CEILING	-
	SECURITY KEYPAD - ROUGH-IN ONLY						PUSHBUTTON FOR INTERCOM CALL IN	48" AFF
	ENTRANCE ROOM PAGER - ROUGH-IN ONLY						BUZZER/BELL	-
	PANIC BUTTON - ROUGH-IN ONLY BUTTON						TELEPHONE BOARD	-
							CABLE TRAY	-

GENERAL ABBREVIATIONS

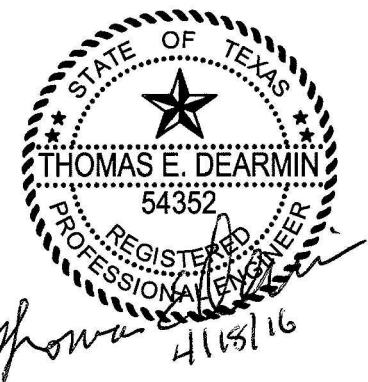
ABS	ABOVE BACK SPLASH	EX	EXISTING	MTD	MOUNT OR MOUNTED	NL	NIGHT LIGHT	SW	SWITCH
AFF	ABOVE FINISHED FLOOR	F	FUSE	NC (N.C.)	NORMALLY CLOSED	NO (N.O.)	NORMALLY OPEN	UF	UNDERFLOOR
BFC	BELOW FINISHED CEILING	G	GROUND (EQUIPMENT)	NF	NONFUSED	RCPT(S)	RECEPTACLE(S)	UG	UNDERGROUND
C	CONDUIT	GFI	GROUND FAULT INTERRUPTER	NIC	NOT IN CONTRACT	PNL	PANEL	WG	WIRE GUARD
CB	CIRCUIT BREAKER	H	HORIZONTAL MOUNTING	TYP	TYPICAL	SO (S.O.)	SPACE ONLY	WP	WEATHERPROOF
CLG	CEILING	IC	INTERRUPTING CAPACITY	EP	ELECTRICAL PRIMARY	SP	SPARE	XFMR	TRANSFORMER
EC	EMPTY CONDUIT	IG	ISOLATED GROUND			ST (S.T.)	SHUNT TRIP	UNO	UNLESS NOTED OTHERWISE

NOTES:
1. 48" AFF INDICATES TO TOP OF DEVICE.
15" AFF INDICATES TO BOTTOM OF DEVICE.
ALL OTHER MOUNTING HEIGHTS REFER TO CENTERLINE OF DEVICE.

CONSTRUCTION OF SPACE
PRESSURE CONTROL AT
THE AUTOPSY FACILITY
Edinburg, Texas



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ELECTRICAL GENERAL LEGEND

E0.01

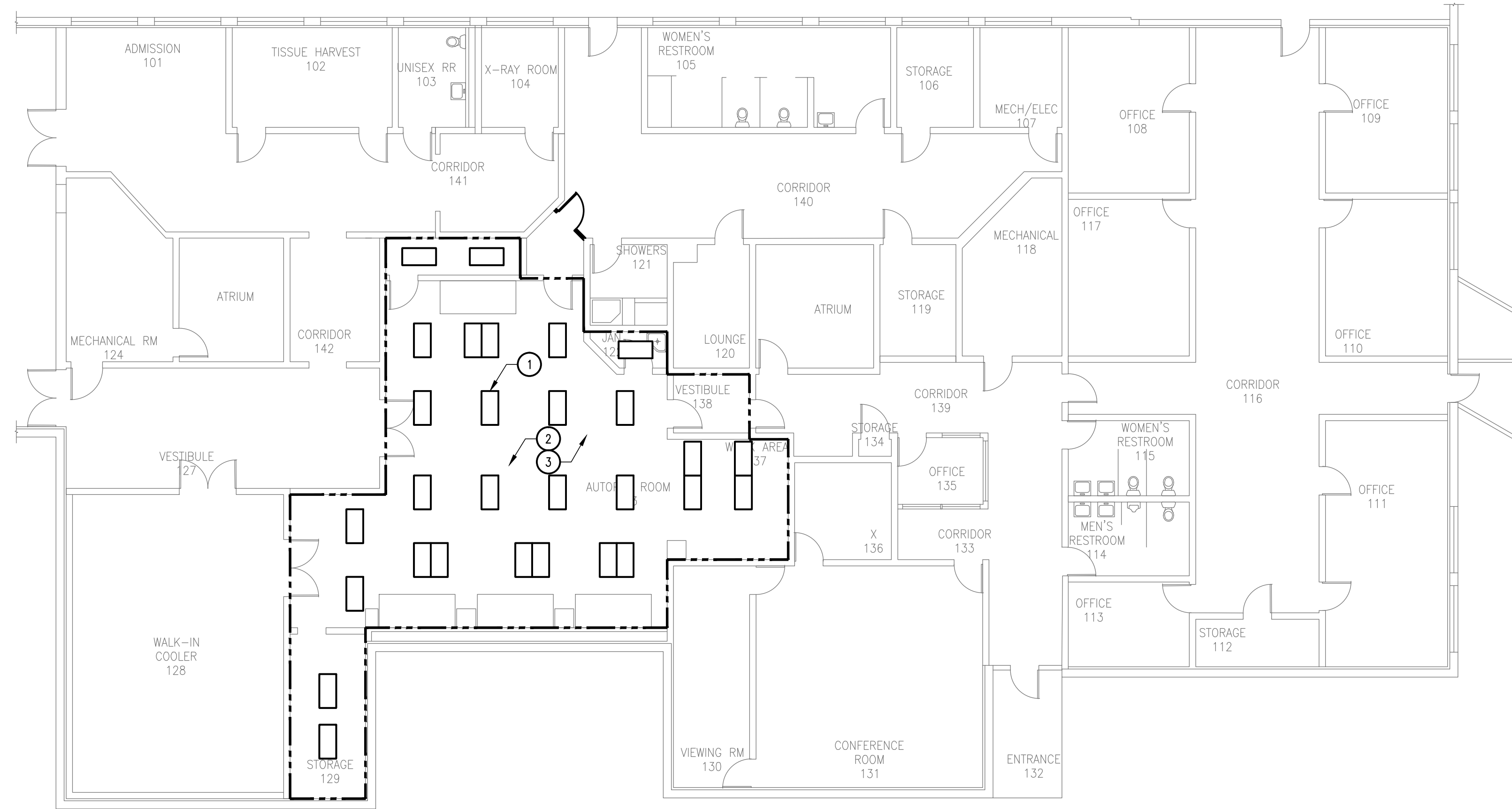
Sheet Number

GENERAL NOTES:

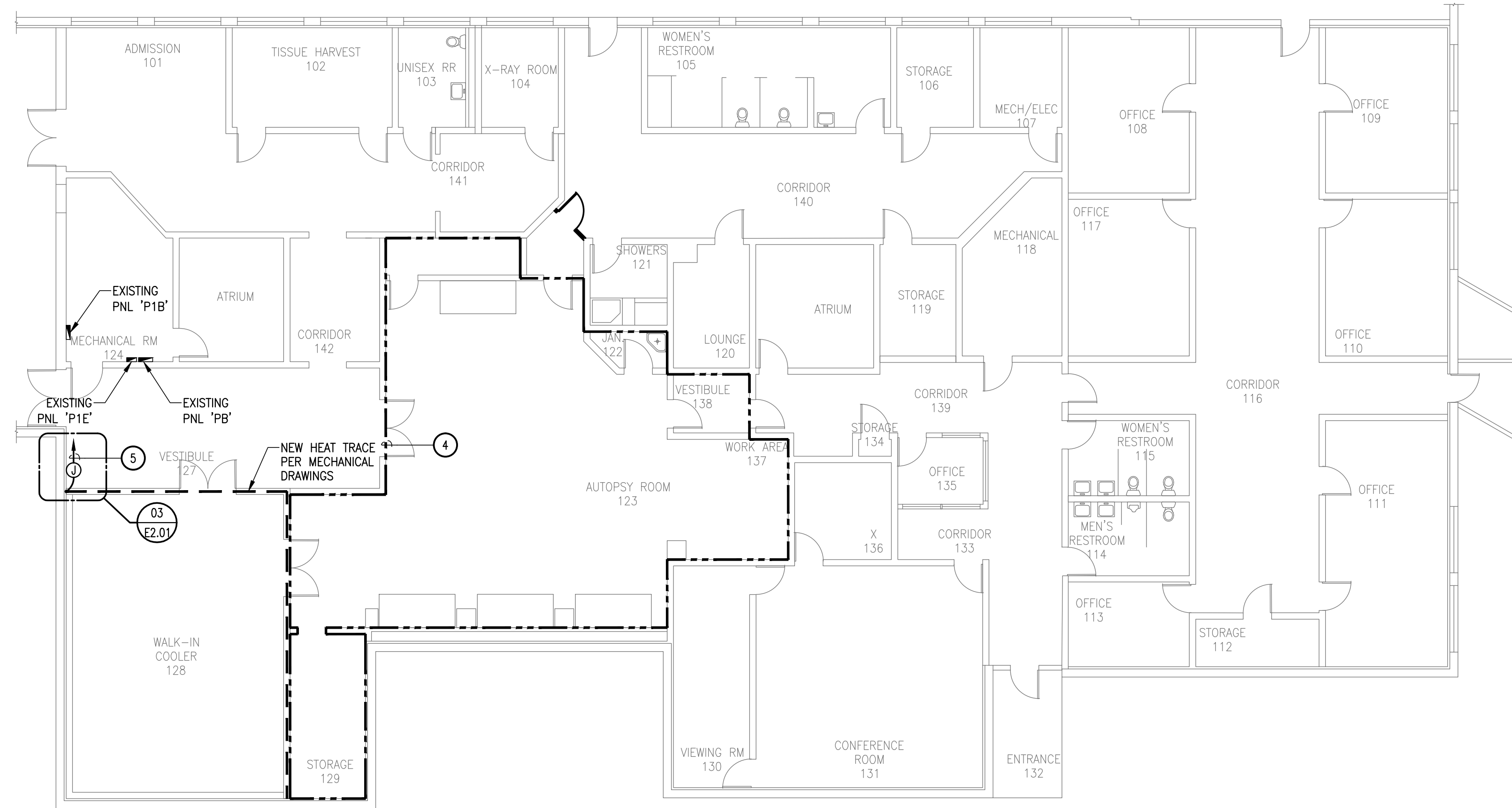
- A. RE-CONNECT EXIT/EMERGENCY LIGHTS AND EMERGENCY BALLASTS IN EMERGENCY LIGHTS IN EACH SPACE TO UNSWITCHED HOT LEG OF LOCAL LIGHTING CIRCUIT.
- B. COORDINATE PLACEMENT OF FIXTURES WITH ACTUAL INSTALLATION OF MECHANICAL EQUIPMENT AND DUCTWORK.
- C. EXISTING LIGHTING CONTROLS SHALL REMAIN AND BE RE-WIRED ONCE RE-INSTALLATION OF LIGHT FIXTURES IS COMPLETE.
- D. ALL CONTROL AND POWER WIRING FOR LIGHTING CONTROL SYSTEM SHALL BE IN CONDUIT.
- E. COORDINATE LOCATION OF LIGHTS WITH DIFFUSERS AND GRILLS.
- F. RELOCATED LIGHT FIXTURES SHALL BE CIRCUITED TO EXISTING LIGHTING CIRCUIT IN THE SPACES. RE-USE EXISTING J-BOXES AND CONDUIT AS MUCH AS POSSIBLE. PROVIDE WITH NEW ELECTRICAL WIRING.
- G. ALL RELOCATED LIGHT FIXTURES SHALL HAVE A MINIMUM OF 90 DAY WORKMANSHIP WARRANTY.

KEY NOTES:

- 1. TYPICAL FOR ALL EXISTING LIGHT FIXTURES, PROVIDE WITH FLANGE KIT FOR INSTALLATION IN GYPSUM BOARD CEILING.
- 2. CONTRACTOR SHALL RE-INSTALL ALL PREVIOUSLY REMOVED ELECTRICAL DEVICES AT CEILING. PRIOR TO RE-INSTALLATION; CONTRACTOR SHALL SEAL CONDUIT PENETRATION INTO J-BOX WITH FIRE RETARDANT CAULKING TO INCLUDE CONDUIT CAVITY WITH ELECTRICAL WIRING, SEAL GAP BETWEEN J-BOX AND GYP. BOARD CEILING WITH FIRE RETARDANT CAULK, AND PROVIDE WITH FULL FACE FOAM GASKET AT J-BOX FACE TO HELP REDUCE FENESTRATION.
- 3. CONTRACTOR SHALL RE-INSTALL ALL PREVIOUSLY REMOVED EXAM LIGHTS, MOUNTING BASE FOR LIGHT SHALL BE SET FLUSH WITH BOTTOM OF CEILING AND ANCHORED TO STRUCTURE. PRIOR TO RE-INSTALLATION OF EXAM LIGHT; CONTRACTOR SHALL SEAL CONDUIT PENETRATION INTO MOUNTING BASE WITH FIRE RETARDANT CAULKING TO INCLUDE CONDUIT CAVITY WITH ELECTRICAL WIRING AND SEAL GAP BETWEEN MOUNTING BASE AND GYP. BOARD CEILING WITH FIRE RETARDANT CAULK TO HELP REDUCE FENESTRATION.
- 4. CONTRACTOR SHALL RE-INSTALL ALL PREVIOUSLY REMOVED ELECTRICAL DEVICES AT WALLS, TO INCLUDE BUT NOT LIMITED TO FIRE ALARM, LIGHT FIXTURES, LIGHT SWITCHES, CORD REELS, ETC. PRIOR TO RE-INSTALLATION; CONTRACTOR SHALL SEAL CONDUIT PENETRATION INTO WALL BOX WITH FIRE RETARDANT CAULKING TO INCLUDE CONDUIT CAVITY WITH ELECTRICAL WIRING, SEAL GAP BETWEEN WALL BOX AND GYP. BOARD WITH FIRE RETARDANT CAULK, AND PROVIDE WITH FULL FACE FOAM GASKET AT WALL BOX FACE TO HELP REDUCE FENESTRATION.
- 5. PROVIDE NEW 20A/1P CIRCUIT BREAKER IN EXISTING PANEL 'PB' FOR NEW HEAT TRACE SYSTEM AT WALK-IN FREEZER.

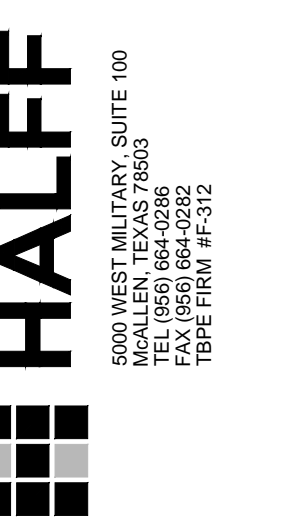


01 ELECTRICAL PLAN - CEILING
SCALE: 3/32" = 1'-0"

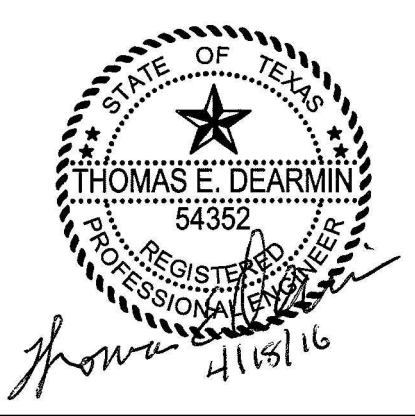


02 ELECTRICAL PLAN - WALLS
SCALE: 3/32" = 1'-0"

**CONSTRUCTION OF SPACE
PRESSURE CONTROL AT
THE AUTOPSY FACILITY**
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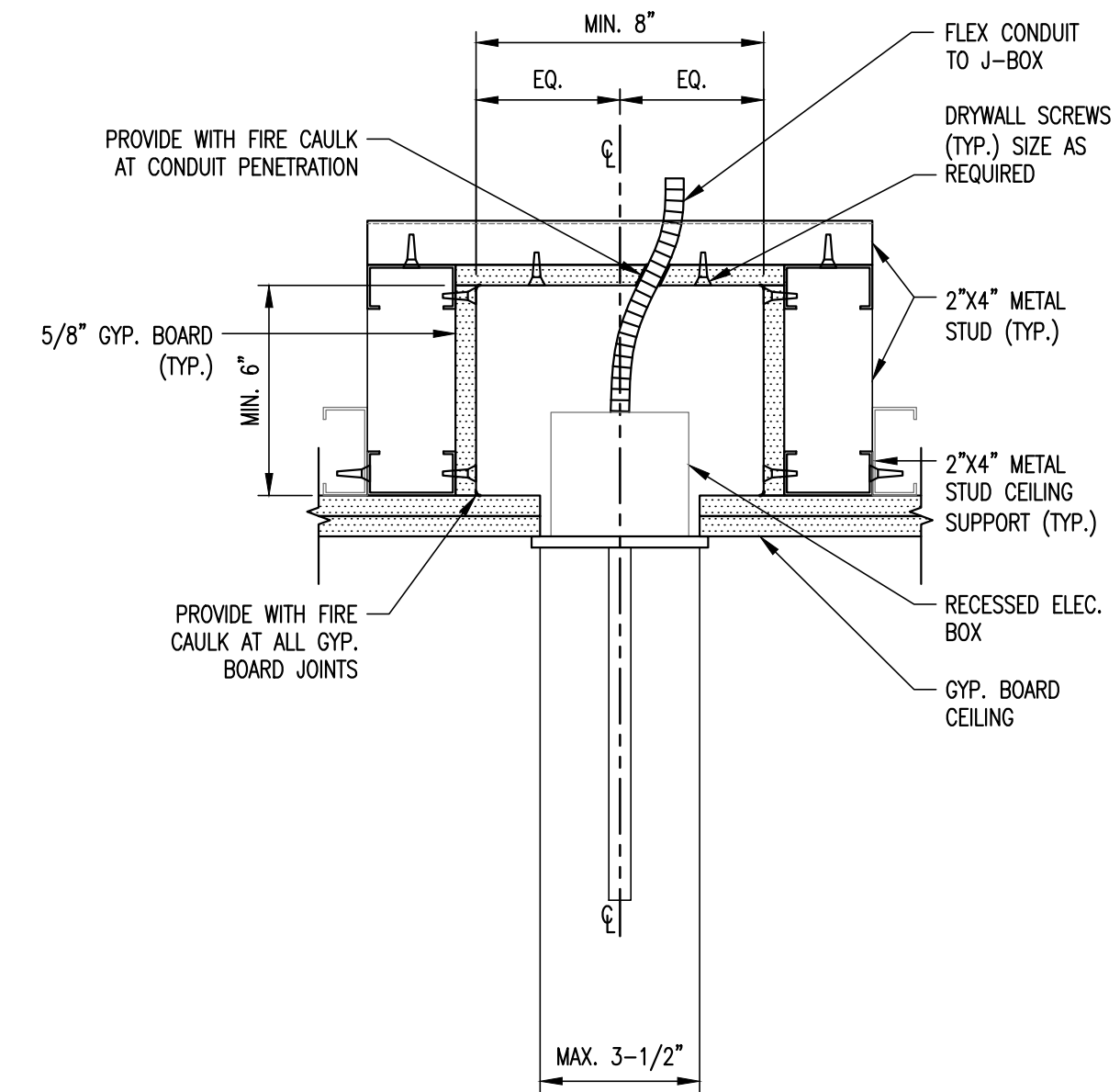
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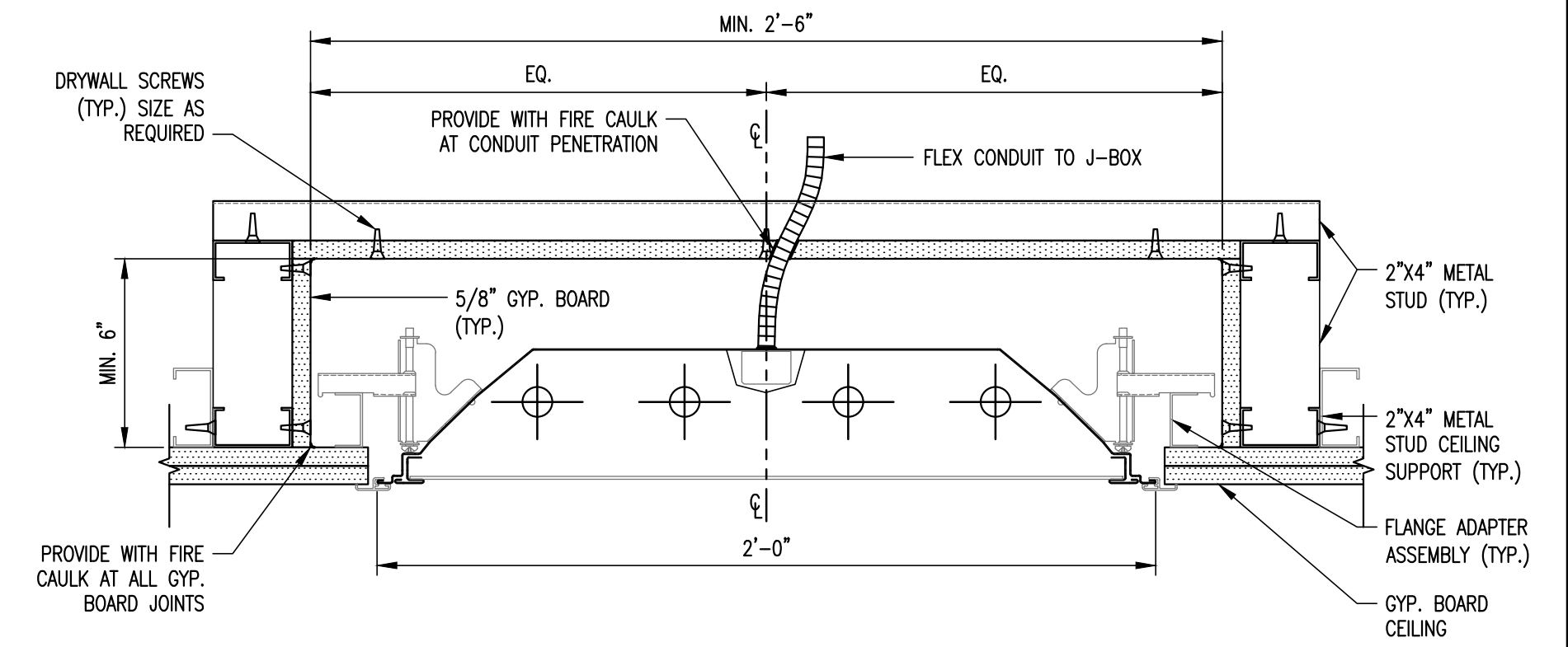
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NOTE:
 CONTRACTOR SHALL TAPE ALL GYP. BOARD JOINTS AND PROVIDE WITH (2) LAYERS OF FLOAT MATERIAL AT JOINTS AND SCREWS.

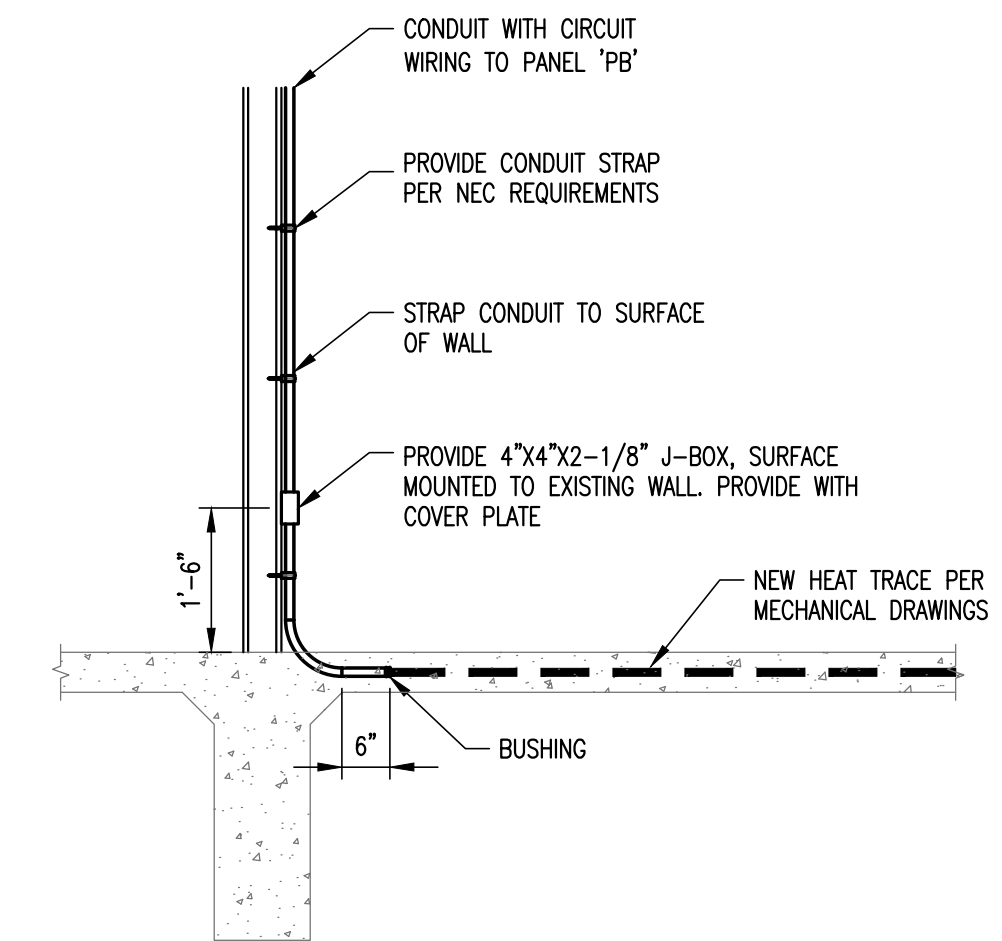


02 RECESSED EXIST SIGN PLENUM ENCLOSURE DETAIL
 N.T.S.

NOTE:
 CONTRACTOR SHALL TAPE ALL GYP. BOARD JOINTS AND PROVIDE WITH (2) LAYERS OF FLOAT MATERIAL AT JOINTS AND SCREWS.



01 LAY-IN TROFFER PLENUM ENCLOSURE DETAIL
 N.T.S.



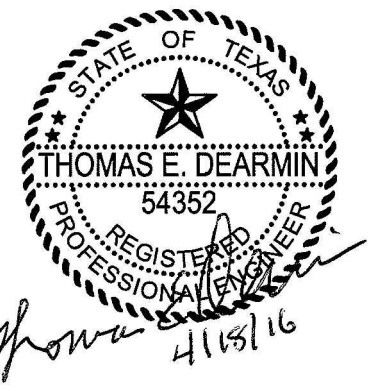
NOTE:
 EXISTING BUILDING COMPONENTS SHOWN FOR REFERENCE ONLY. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL SITE CONDITIONS PRIOR TO INSTALLATION OF NEW ELECTRICAL CONDUIT AND CIRCUIT WIRING.

03 ELECTRICAL CONNECTION TO HEAT TRACE DETAIL
 N.T.S.

CONSTRUCTION OF SPACE
 PRESSURE CONTROL AT
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