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BUILDING CODES:

- 2021 INTERNATIONAL BUILDING CODE (IBC)
2021 INTERNATIONAL PLUMBING CODE (IPC)
2021 INTERNATIONAL MECHANICAL CODE (IMC)
2021 INTERNATIONAL ENERGY CONSERVATION CODE
2020 NATIONAL ELECTRIC CODE (NEC)
2012 TEXAS ACCESSIBILITY STANDARDS (TAS)
- CONTRACTOR SHALL REVIEW ALL CONSTRUCTION DRAWINGS AND SPECIFICATIONS TO GAIN A COMPREHENSIVE UNDERSTANDING OF THE PROJECT AND COORDINATION OF RESPONSIBILITIES WITH ALL DIVISIONS.
 - CONTRACTOR IS TO CONTACT TEXAS ONE-CALL SYSTEM (1-800-245-4585) OR OTHER UTILITY LOCATING SERVICES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION ACTIVITIES. THE ENGINEER IS NOT RESPONSIBLE FOR KNOWING ALL EXISTING UTILITIES IN THE PROJECT AREA.

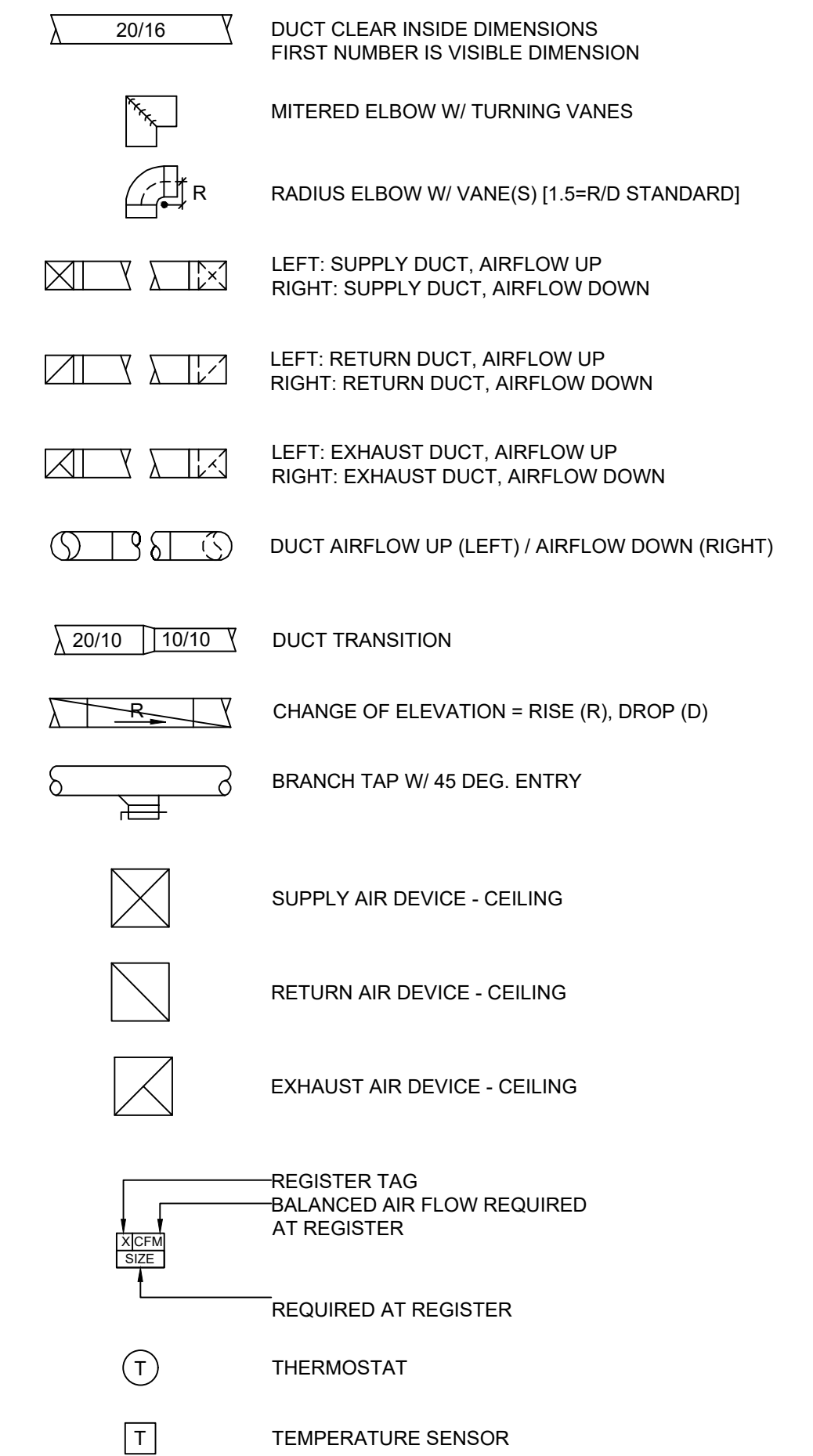
GENERAL NOTES:

- ALL WORK IS TO BE PERFORMED IN STRICT COMPLIANCE WITH STATE LAWS, REGULATIONS, STANDARDS, AND LOCAL AUTHORITIES HAVING LAWFUL JURISDICTION THAT GOVERN WORK OF THIS NATURE INCLUDING BUT NOT LIMITED TO: INTERNATIONAL MECHANICAL CODE, INTERNATIONAL FUEL GAS CODE, INTERNATIONAL PLUMBING CODE, INTERNATIONAL ENERGY CONSERVATION CODE, INTERNATIONAL FIRE CODES, NATIONAL ELECTRIC CODE, AND TEXAS ACCESSIBILITY STANDARDS (TAS). NONE OF THE TERMS OR PROVISIONS OF THE CONSTRUCTION DOCUMENTS OR SPECIFICATIONS SHALL BE CONSTRUED AS WAIVING ANY OF THE RULES, REGULATIONS, OR STANDARDS OF THESE AUTHORITIES.
- CONTRACTOR SHALL THOROUGHLY ACQUAINT HIMSELF WITH DETAILS OF THE COMPLETE SET OF DRAWINGS WHICH FORM A PART OF THE CONTRACT DOCUMENTS. NO ALLOWANCE WILL BE MADE BECAUSE OF THE CONTRACTOR'S UNFAMILIARITY WITH ANY PORTION OF THE COMPLETE SET OF CONSTRUCTION DOCUMENTS.
- PRIOR TO BIDDING, THE CONTRACTOR SHALL VISIT THE SITE TO VERIFY EXISTING CONDITIONS AND FAMILIARIZE HIMSELF WITH EXISTING CONDITIONS, HAZARDS, AND LOCAL REQUIREMENTS INVOLVED. SUBMISSION OF BIDS SHALL BE DEEMED EVIDENCE OF SUCH VISIT.
- PRIOR TO BIDDING, THE CONTRACTOR SHALL REVIEW THE COMPLETE SET OF CONSTRUCTION DOCUMENTS. SHOULD THE CONTRACTOR NOTE DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS, GOVERNING CODES, SITE CONDITIONS, OR MANUFACTURER'S DIRECTIONS, HE SHALL PROMPTLY NOTIFY THE ENGINEER IN WRITING FOR INTERPRETATIONS AND CLARIFICATIONS. NO ALLOWANCES WILL BE MADE FOR WORK PERFORMED OUT OF COMPLIANCE AND SUCH DEFICIENCIES THAT REQUIRE CORRECTION.
- IT IS THE INTENT THAT THE FOREGOING WORK SHALL BE COMPLETE IN EVERY RESPECT. ALL ITEMS OF LABOR, MATERIAL, OR EQUIPMENT NOT SPECIFICALLY STATED IN DETAIL BY THE SPECIFICATIONS OR DRAWINGS, BUT INCIDENTAL TO OR NECESSARY FOR THE COMPLETE INSTALLATION AND PROPER OPERATION OF ALL PHASES OF WORK DESCRIBED HEREIN, SHALL BE PROVIDED.
- WHERE THE TERM "PROVIDE" IS USED, IT SHALL MEAN "FURNISH & INSTALL". THE CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL THE OTHER TRADES PRIOR TO FABRICATION, PURCHASE, AND/OR INSTALLATION OF ALL WORK.
- ALL MODEL NUMBERS INDICATED ARE PROVIDED TO ESTABLISH THE QUALITY LEVEL AND FEATURES REQUIRED. LISTED MANUFACTURERS AND OTHER PRIOR APPROVED EQUALS MAY BE SUBSTITUTED WHEN PROVIDED WITH EQUAL FEATURES, EITHER STANDARD OR AS ACCESSORIES.
- THE CONTRACTOR SHALL SECURE ALL PERMITS, APPLICATIONS AND PAY FEES AS REQUIRED.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE JOBSITE BEFORE COMMENCING ANY PHASE OF THE WORK. ADJUSTMENTS FOR FIT AND COORDINATION SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER.
- ALL WORK SHALL BE PERFORMED IN A CLEAN AND WORKMANLIKE MANNER. CLEAN THE JOB SITE DAILY AND REMOVE FROM THE PREMISES ANY DIRT AND DEBRIS CAUSED BY THE WORK INCLUDED IN THIS CONTRACT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFE KEEPING OF HIS OWN PROPERTY ON THE JOB SITE. OWNER ASSUMES NO RESPONSIBILITY FOR PROTECTION OF PROPERTY AGAINST FIRE, THEFT AND ENVIRONMENTAL CONDITIONS.
- THE CONTRACTOR SHALL COORDINATE WITH THE OTHER TRADES TO ENSURE THAT EACH TRADE SHALL HAVE SUFFICIENT SPACE TO INSTALL THEIR EQUIPMENT (DUCTWORK, PIPING, ELECTRICAL, ETC.).
- ALL MISCELLANEOUS IRON AND STEEL WORK REQUIRED TO PROPERLY INSTALL / SUPPORT EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. WORK INCLUDES ALL HANGERS, SUPPORTS, RACKS, BRACKETS AND REQUIRED WELDING.
- DURING CONSTRUCTION THE CONTRACTOR SHALL MAINTAIN A DAILY RECORD OF ALL DEVIATIONS FROM THE BID DRAWINGS. ALL DIMENSIONS AND OTHER INFORMATION NECESSARY TO COMPLETELY EXPLAIN AND LOCATE ALL ELEMENTS OF THESE DEVIATIONS SHALL BE RECORDED. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL SUBMIT TO THE OWNER'S REPRESENTATIVE ONE COMPLETE SET OF REPRODUCIBLE DRAWINGS CORRECTED TO REFLECT "AS-BUILT" CONDITIONS OF THE WORK.
- UPON COMPLETION OF WORK, THE CONTRACTOR SHALL DEMONSTRATE, TO THE OWNER'S SATISFACTION, THE OPERATION OF THE INSTALLED EQUIPMENT AND SYSTEMS TO THE INTENT OF THE DESIGN.
- ALL WORK SHALL BE INSPECTED PRIOR TO COVER.
- ALL WORK SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER. DURING THIS PERIOD, ANY DEFECT FOUND IN MATERIAL OR WORKMANSHIP SHALL BE REPAIRED OR REPLACED TO OWNER'S SATISFACTION, AT THE CONTRACTOR'S EXPENSE.

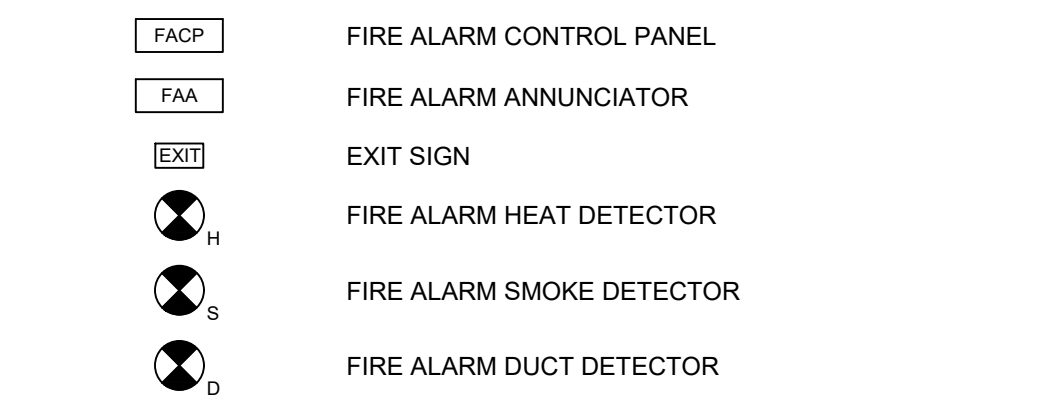
MECHANICAL NOTES:

- MECHANICAL EQUIPMENT AND MATERIALS FOR THE PROJECT SHALL BE NEW AND SHALL BE APPROVED, IDENTIFIED, LABELED, AND LISTED FOR USE BY A TESTING LABORATORY RECOGNIZED BY THE BUILDING OFFICIAL. LISTED OR LABELED EQUIPMENT SHALL BE INSTALLED AND USED IN ACCORDANCE WITH INSTRUCTIONS INCLUDED IN THE LISTING OR LABELING.
- DUCT SIZES SHOWN ARE CLEAR AIR STREAM DIMENSIONS, ADJUST SIZES TO ACCOMMODATE INSULATION (AS SPECIFIED).
- DUCTWORK SHALL BE EXTERIOR INSULATED UNLESS OTHERWISE NOTED.
- PROVIDE A FLEXIBLE CONNECTION AT THE INTAKE AND DISCHARGE OF ALL MOTOR DRIVEN EQUIPMENT.
- FLEXIBLE DUCTWORK SHALL HAVE A MAXIMUM LENGTH OF 5'-0". FLEXIBLE DUCT SHALL NOT BE UTILIZED IN INACCESSIBLE AREA (I.E. ABOVE GYPSUM BOARD CEILINGS, ATTICS, ETC.).
- LOCATE MECHANICAL EQUIPMENT FOR UNOBSTRUCTED ACCESS TO ALL UNIT ACCESS PANELS, CONTROLS, AND VALVES.
- CONTRACTOR SHALL PROVIDE AND INSTALL CONDENSATE DRAIN PANS, PRIMARY DRAIN LINES, AND AUXILIARY DRAIN LINES PER INTERNATIONAL MECHANICAL CODE.
- PROVIDE BALANCING DAMPERS, SPLITTER DAMPERS, OR AIR EXTRACTORS WITH LOCKING HANDLES IN ALL BRANCH DUCTS AND ALL TAKEOFFS.
- CONSTRUCT ALL DUCTWORK IN ACCORDANCE WITH S.M.A.C.N.A. STANDARDS.
- MECHANICAL EQUIPMENT SUPPORTS, AIR DUCTS, OR FITTINGS NOT SHOWN ON PLAN BUT IMPLIED FOR PROPER INSTALLATION, OPERATION OF SYSTEMS, OR CODE COMPLIANCE SHALL BE CONSIDERED AS PART OF THE MECHANICAL CONTRACTOR'S RESPONSIBILITY. MECHANICAL CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL ELECTRICAL EQUIPMENT REQUIRED FOR THE PROPER OPERATION OF THE MECHANICAL EQUIPMENT IS PROVIDED AND PROPERLY CONNECTED BY THE ELECTRICAL CONTRACTOR.

MECHANICAL LEGEND:



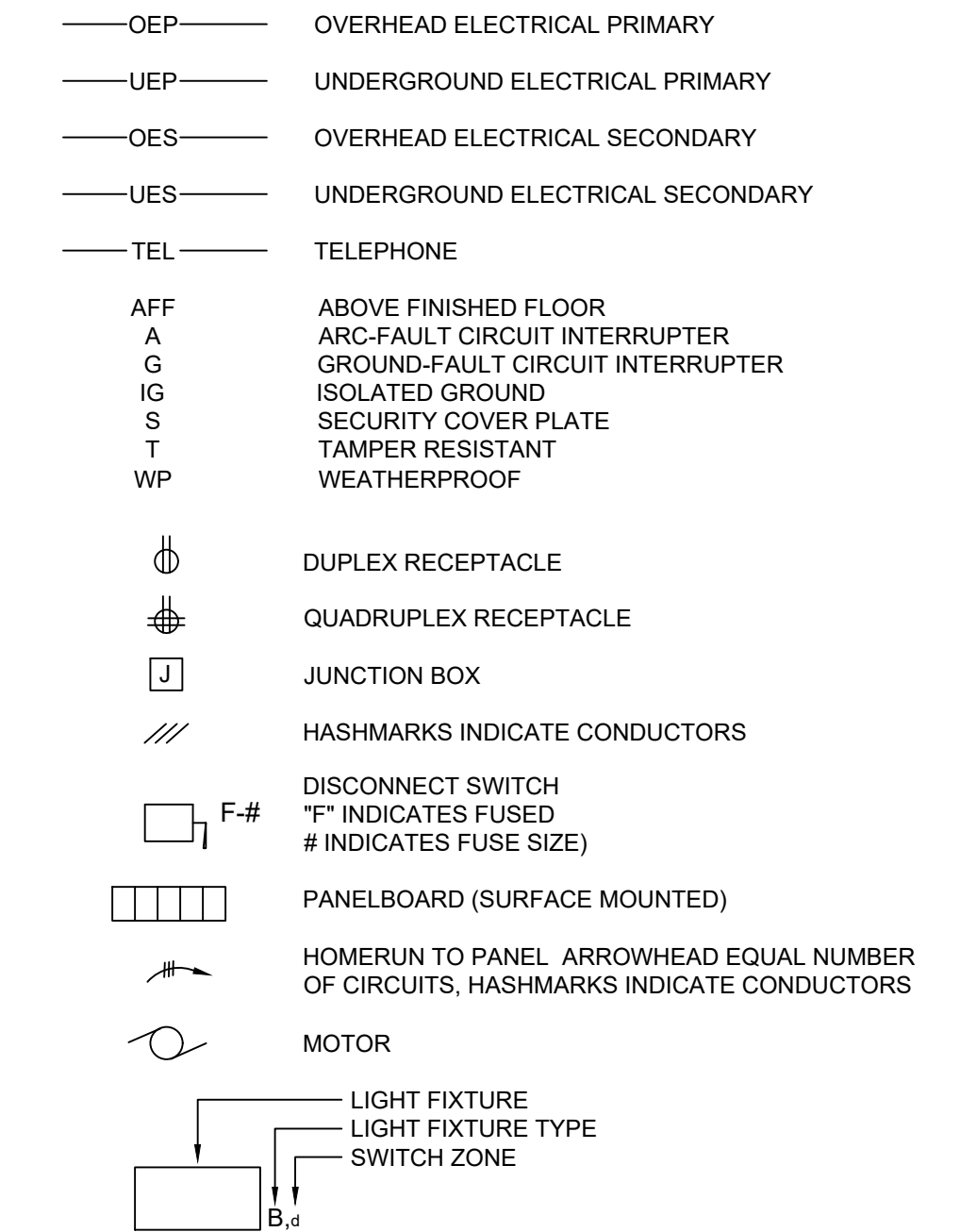
FIRE ALARM LEGEND:



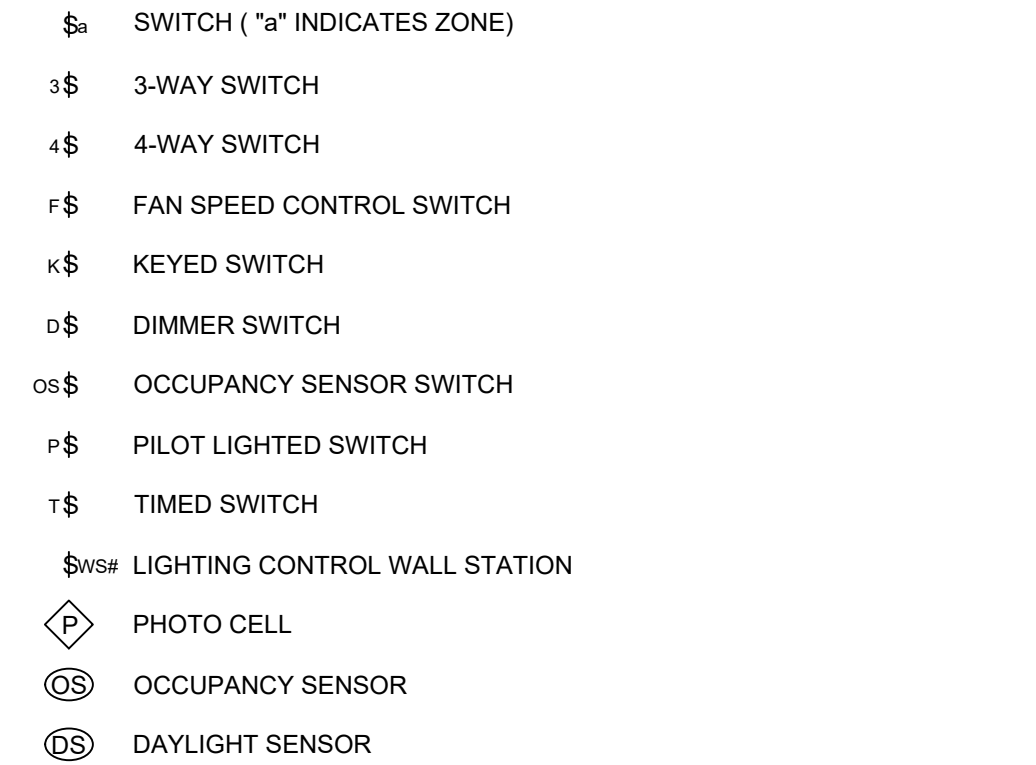
ELECTRICAL NOTES:

- ELECTRIC EQUIPMENT AND MATERIALS FOR THE PROJECT SHALL BE NEW AND SHALL BE APPROVED, IDENTIFIED, LABELED, AND LISTED FOR USE BY A TESTING LABORATORY RECOGNIZED BY THE BUILDING OFFICIAL. LISTED OR LABELED EQUIPMENT SHALL BE INSTALLED AND USED IN ACCORDANCE WITH INSTRUCTIONS INCLUDED IN THE LISTING OR LABELING.
- THE CONTRACTOR SHALL FURNISH AND INSTALL ALL GROUNDING SYSTEMS, AS REQUIRED, IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE.
- CONDUITS SHALL BE AS STRAIGHT AS POSSIBLE AND PARALLEL OR PERPENDICULAR TO BUILDING LINES.
- CONDUITS SHALL BE ROUTED CONCEALED WITHIN WALLS AND/OR ABOVE CEILING.
- PROVIDE UNISTRUT MOUNTING FOR ALL INDICATED ELECTRICAL DEVICES, PANELBOARDS, AND ENCLOSURES (EXCEPT WHERE STRUCTURE IS AVAILABLE.)
- DEVICES SHALL NOT BE MOUNTED HIGHER THAN 48" ABOVE FLOOR.
- PROVIDE 4-INCH CONCRETE HOUSEKEEPING PADS FOR ALL FLOOR MOUNTED EQUIPMENT.
- HOME RUN CIRCUITS MORE THAN 75 FEET FROM PANEL SHALL BE SIZED AS REQUIRED TO LIMIT VOLTAGE DROP TO 2% MINIMUM.
- IF MORE THAN THREE PHASE CONDUCTORS ARE INSTALLED IN A SINGLE RACEWAY, THE CONDUCTORS SHALL BE DERATED IN ACCORDANCE WITH NEC. INCREASE WIRE SIZE SO THAT RESULTING AMPACITY AFTER DERATING FACTOR IS APPLIED IS EQUAL TO OR GREATER THAN AMPACITY OF CONDUCTOR SPECIFIED.
- ALL BREAKERS SHALL HAVE POSITIVE HANDLE INDICATION TO SHOW WHEN A BREAKER HAS TRIPPED AUTOMATICALLY. ALL BREAKERS SHALL BE DISTINCTLY MARKED ON FACE OF BREAKER GIVING CAPACITY OF BREAKER TRIP. MULTI-POLE BREAKERS SHALL BE 2-POLE OR 3-POLE. HANDLE TIES ARE NOT PERMITTED.
- PROVIDE NEC SIZED GROUND CONDUCTOR FOR ALL RECEPTACLES, LIGHTING, AND ELECTRICAL BRANCH CIRCUITS.
- CONTRACTOR SHALL PROVIDE BRANCH CIRCUIT, CIRCUIT BREAKER, DISCONNECT, AND ELECTRICAL CONNECTION FOR EQUIPMENT PROVIDED BY OTHER DIVISIONS / TRADES.
- ELECTRICAL CONTRACTOR SHALL PERFORM CALCULATIONS AND PROVIDE PROPER ARC FLASH WARNING LABELING OF EQUIPMENT PER ARTICLE 110 OF THE NEC AND NFPA 70E UPON FINAL CONDUIT ROUTING AND LENGTHS HAVE BEEN DETERMINED.

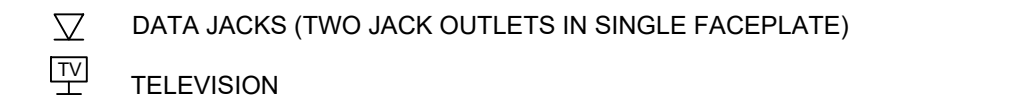
POWER LEGEND



SWITCH LEGEND



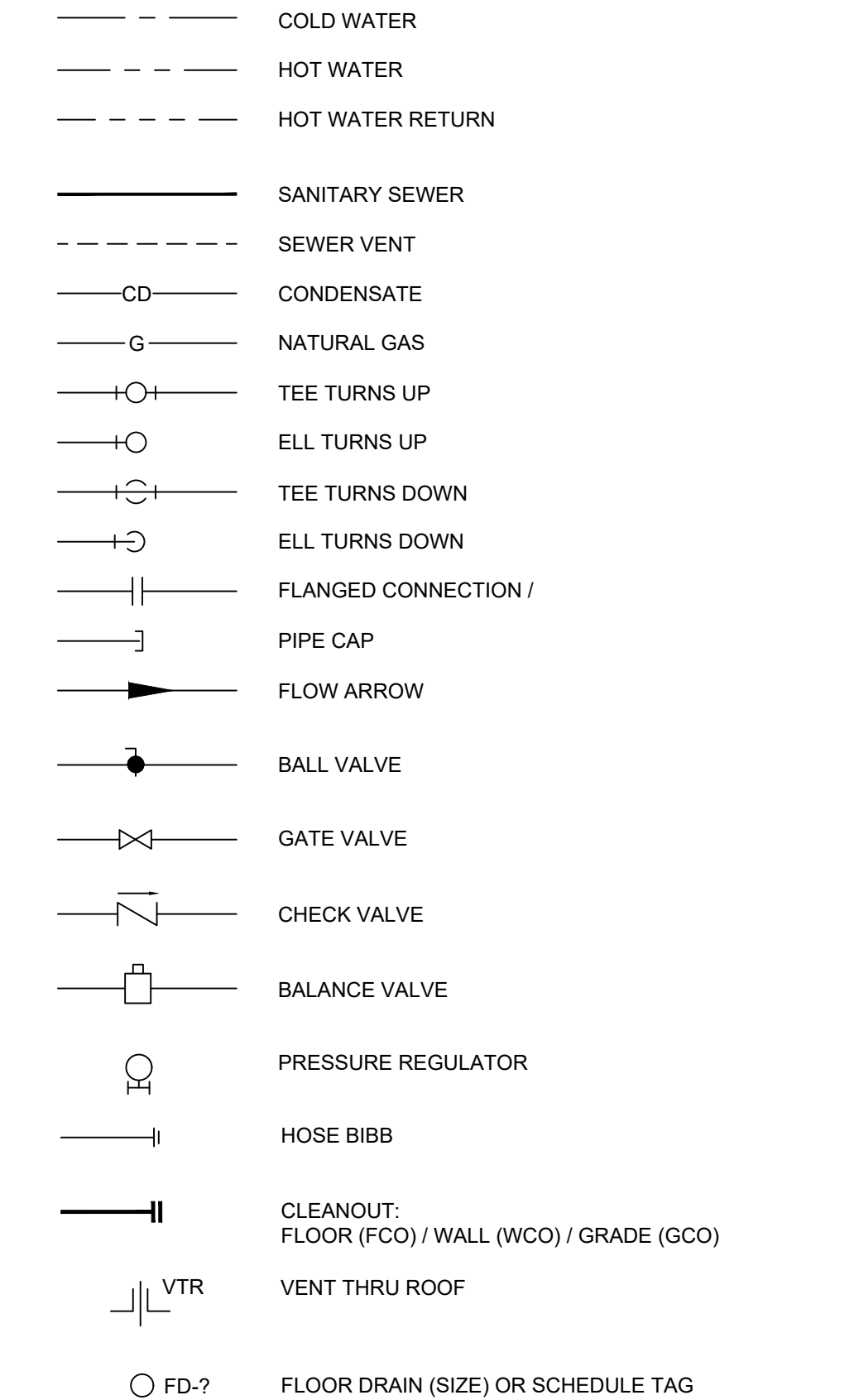
COMMUNICATION LEGEND



PLUMBING NOTES:

- PLUMBING EQUIPMENT AND MATERIALS FOR THE PROJECT SHALL BE NEW AND SHALL BE APPROVED, IDENTIFIED, LABELED, AND LISTED FOR USE BY A TESTING LABORATORY RECOGNIZED BY THE BUILDING OFFICIAL. LISTED OR LABELED EQUIPMENT SHALL BE INSTALLED AND USED IN ACCORDANCE WITH INSTRUCTIONS INCLUDED IN THE LISTING OR LABELING.
- PROVIDE CLEAN OUTS IN SANITARY AND STORM DRAINAGE SYSTEMS AT ENDS OF RUNS, AT CHANGES IN DIRECTION NEAR THE BASE OF STACKS, EVERY 75 FEET IN HORIZONTAL RUNS AND ELSEWHERE AS INDICATED.
- ALL SANITARY SEWER PIPING UNDER SLAB SHALL BE 2-INCH OR LARGER.
- INSTALL PIPING SO THAT VALVES, STRAINERS, UNIONS, TRAPS, FLANGES, AND OTHER APPURTENANCES ARE ACCESSIBLE.
- PROVIDE ACCESS DOORS IN INACCESSIBLE FINISHES FOR ALL VALVES, TRAP PRIMERS, ETC. THAT REQUIRE PERIODIC ADJUSTMENTS OR MAINTENANCE.
- WHERE DOMESTIC COLD AND HOT WATER PIPING DROPS INTO A PIPE CHASE, THE SIZE SHOWN FOR THE PIPE DROPS SHALL EXTEND TO THE LAST FIXTURE, UNLESS SHOWN OTHERWISE.
- PROVIDE ALL PLUMBING FIXTURES WITH ACCESSIBLE STOPS.
- T&P RELIEF VALVE TO BE TERMINATED PER CODE REQUIREMENTS.
- INSTALL CODE APPROVED WATER HAMMER ARRESTORS WHERE QUICK CLOSING VALVES ARE UTILIZED.
- ALL JOINTS AND CONNECTIONS SHALL BE MADE ABOVE FLOOR LINE.
- ALL LAVATORY AND SINK WASTE AND TRAPS SHALL BE 17 GAUGE BRASS. DEARBORN BRASS OR EQUAL.
- PLUMBING CONTRACTOR AND GENERAL CONTRACTOR SHALL COORDINATE VENT LOCATION WITH BUILDING ROOF FRESH AIR INLETS TO MAINTAIN REQUIRED CLEARANCES.
- INSTALL TRAP PRIMERS OR TRAP GUARDS ON ALL FLOOR DRAINS AND OSD DRAINS.
- FLUSH HANDLES ON TAS ACCESSIBLE WATER CLOSET SHALL BE MOUNTED ON THE WIDE SIDE OF STALL.
- PROVIDE INSULATION AND HEAT TRACE FOR ABOVE GRADE PIPING SUBJECT TO FREEZING.
- ALL PIPING, VENTS, DUCTS, ECT. EXTENDING THROUGH WALLS AND ROOFS SHALL BE FLASHED AND COUNTERFLASHED IN A WATERPROOF MANNER. SEAL ALL PENETRATIONS OF THE FLOOR/CEILING ASSEMBLY AND RATED WALLS WITH A SEALANT MATERIAL APPROVED BY LOCAL CODE.
- UNIONS AND/OR FLANGES SHALL BE INSTALLED AT EACH PIECE OF EQUIPMENT, IN BYPASSES, AND IN LONG PIPING RUNS (100 FT OR MORE) TO PERMIT DISASSEMBLY FOR ALTERATIONS AND REPAIRS.
- ALL CONNECTIONS MADE OF DISSIMILAR METALS SHALL UTILIZE CODE APPROVED DIELECTRIC UNIONS.
- PROVIDE MAINTENANCE AND/OR OTHER CLEARANCES AT EACH PIECE OF EQUIPMENT AS REQUIRED OR RECOMMENDED BY THE EQUIPMENT MANUFACTURER. COORDINATE WITH GENERAL CONTRACTOR TO PROVIDE ANY ADDITIONAL SPACE REQUIRED FOR SUBMITTED EQUIPMENT.

PLUMBING LEGEND



MCCATHREN ARCHITECTS, LLC
25 Green Bay Circle
Abilene, Texas 79602
325-669-2584
staff@mccathren.com

RICHARD S. BRYAN
107179
LICENSED PROFESSIONAL ENGINEER
10-9-2025

BUFFALO GAP ROAD
ABILENE, TEXAS 79606
BRYAN PARKS & ASSOCIATES, INC.
FURNISHING ENGINEERING TEAM F-1506

Bryan Parks & Associates, Inc.
TEXAS REGISTERED ENGINEERING FIRM F-1506

**ABILENE RESTORATION
MINISTRIES, INC.**
ABILENE, TEXAS

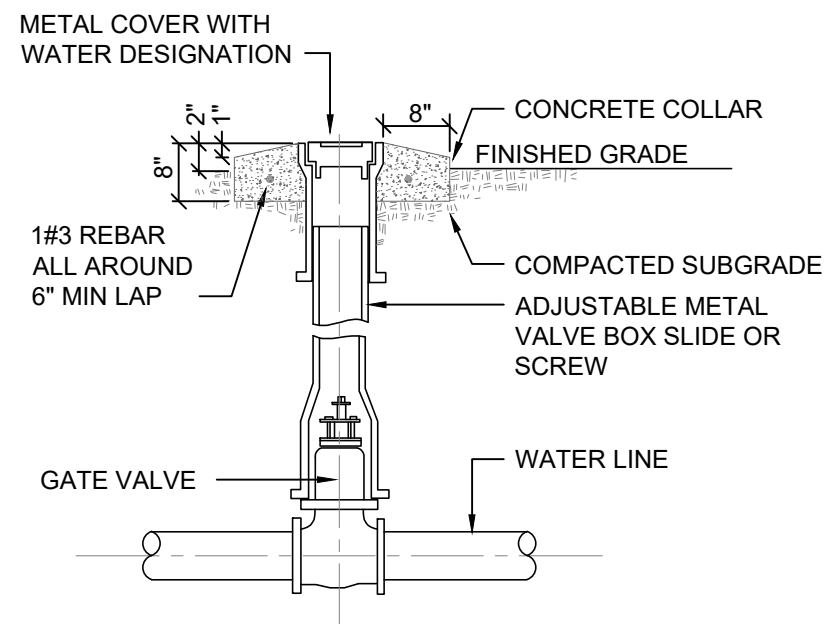
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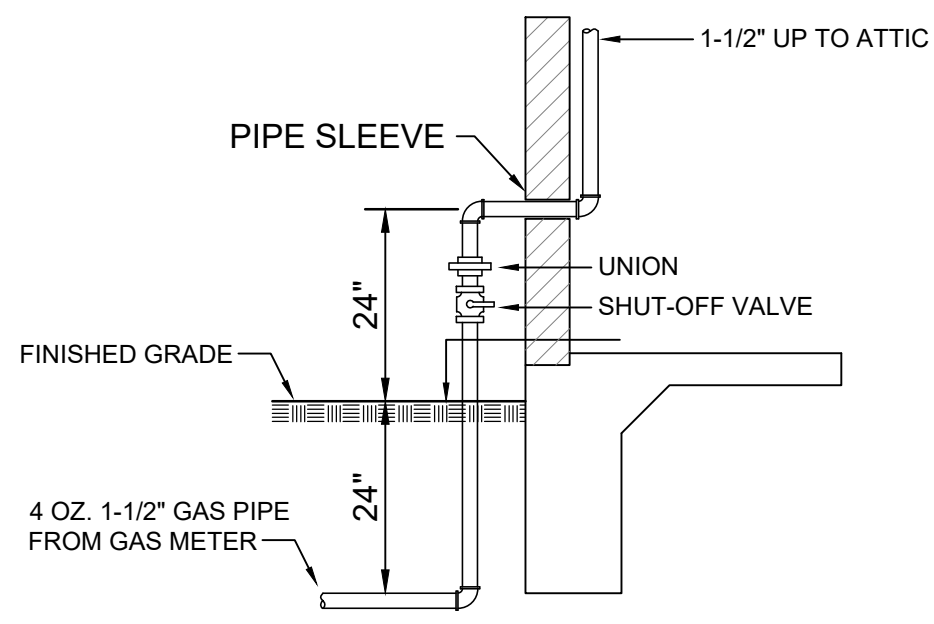
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8:56 pm Thursday, Oct 09 2025



1 WATER VALVE BOX DETAIL
SCALE: NO SCALE



2 GAS RISER DETAIL
SCALE: NO SCALE

GENERAL NOTES:

1. CONTRACTOR SHALL REVIEW ALL CONSTRUCTION DRAWINGS AND SPECIFICATIONS INCLUDING BUT NOT LIMITED TO ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND FIRE ALARM.
2. UTILITIES SHOWN ARE APPROXIMATE AND BASED ON PUBLIC RECORDS AND/OR SURVEYS PROVIDED BY OTHERS. THE CONTRACTOR IS COMPLETELY RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES, BOTH HORIZONTALLY AND VERTICALLY, BEFORE THE COMMENCEMENT OF ANY CONSTRUCTION.
3. CONTRACTOR IS TO CONTACT TEXAS 811 (1-800-344-8377) OR OTHER UTILITY LOCATING SERVICES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION ACTIVITIES. THE ENGINEER IS NOT RESPONSIBLE FOR KNOWING ALL EXISTING UTILITIES IN THE PROJECT AREA.
4. TOTAL BUILDING DRAINAGE FIXTURE UNITS (DFU) PER TABLE 709.1 OF THE 2021 INTERNATIONAL PLUMBING CODE IS 177 DFU.
5. TOTAL BUILDING WATER SUPPLY FIXTURE UNITS (WSFU) PER TABLE E103.3(2) OF THE 2021 INTERNATIONAL PLUMBING CODE IS 172 WSFU.
6. TOTAL NATURAL GAS LOAD FOR THE BUILDING BUILDING IS 420 CFH.

7. CONTRACTOR SHALL CONFIRM WITH ELECTRIC UTILITY "AEP" REGARDING EASEMENTS, OVERHEAD PRIMARY, UTILITY TRANSFORMER, SECONDARY TERMINATION CABINET, CT AND METER REQUIREMENTS. INCLUDE ALL CONSTRUCTION ITEMS AND FEES ASSOCIATED WITH THE ELECTRIC UTILITY SERVICE TO NEW FACILITY.

AEP
Athán Himmelstein
E-mail: adhimmelstein@aep.com
Office: 325-674-7290

8. CONTRACTOR SHALL CONFIRM WITH GAS UTILITY "ATMOS ENERGY" REGARDING LOCATION OF GAS METER, AND PROVIDE ALL CONSTRUCTION ITEMS AND FEES ASSOCIATED WITH THE GAS UTILITY SERVICE TO NEW FACILITY.

ATMOS ENERGY:
Timothy Biggs
E-mail: timothy.biggs@atmosenergy.com

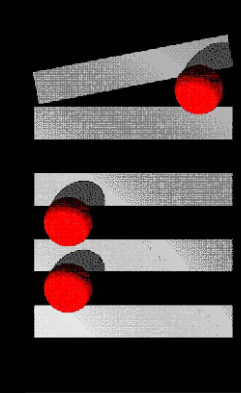
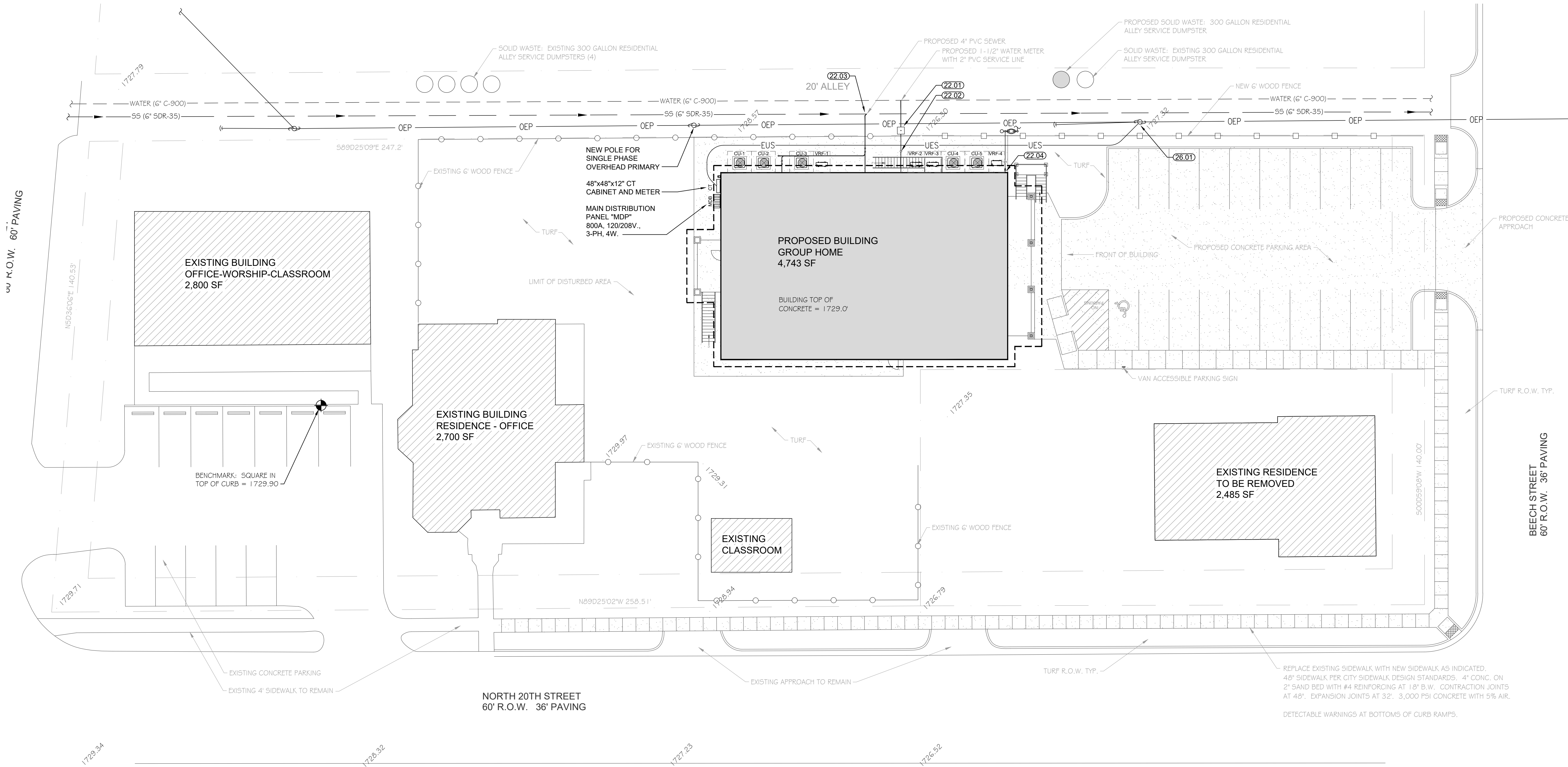
- (22.01) EXTEND AND CONNECT 2" BUILDING DOMESTIC WATER TO CITY MAIN. CONNECT TO CITY MAIN AND PROVIDE WATER METER / BACKFLOW PREVENTER PER CITY REQUIREMENTS. COORDINATE EXACT SIZE, LOCATION AND REQUIREMENTS AT JOBSITE AND PAY ALL COSTS AS INCURRED FOR CITY CONNECTION. THE CONTRACTOR SHALL PROVIDE WATER METER BOXES FOR EACH WATER SERVICE CONNECTION. FOR WATER METER SIZE 1.5" TO 2", THE CONTRACTOR SHALL SUPPLY A BASS AND HAYS BH15274 (AMI COMPATIBLE) WATER METER BOX LID AND PMSBCF 1527-12 WATER METER BOX, OR AN EAST JORDAN IRON WORKS PRODUCT #32131365 (AMI COMPATIBLE) WATER METER BOX LID AND #38001527 WATER METER BOX, OR EQUIVALENT.

- (22.02) LINE SIZE BUILDING CUTOFF VALVE IN VALVE BOX WITH CAST IRON COVER. COVER SHALL HAVE THE WORD "WATER" CAST IN TOP.

- (22.03) EXTEND AND CONNECT 4-INCH SEWER LINE TO CITY MAIN PER CITY REQUIREMENTS. VERIFY EXACT SIZE, LOCATION AND DEPTH AT JOBSITE AND PAY ALL COSTS AS INCURRED FOR CITY CONNECTION.

- (22.04) NATURAL GAS BUILDING RISER, ENTRY WITH CUTOFF VALVE. COORDINATE GAS SERVICE AND METER LOCATION WITH GAS UTILITY COMPANY. TOTAL BUILDING GAS LOAD OF 420 CFH AT 4 OUNCE DELIVERY PRESSURE AND A DEVELOPED PIPE LENGTH OF 180' FROM METER TO REMOTE OUTLET. ROUTE 1-1/2" GAS LINE INTO BUILDING AND UP TO ATTIC. REFER SHEET 13.12 FOR ADDITIONAL REQUIREMENTS.

- (26.01) PROPOSE EXISTING UTILITY POLE FOR (3) 50 KVA TRANSFORMERS FOR THE NEW 800A, 120/208V, 3-PHASE, 4-WIRE SERVICE. TRANSITION UNDERGROUND WITH (2) 4-INCH CONDUITS A MINIMUM OF 48-INCHES DEEP ROUTED TO 48x48x12 CT CABINET. INSTALLTION TO FULLY COMPLY WITH ELECTRIC UTILITY COMPANY (AEP) STANDARDS, REFER ELECTRICAL RISER DIAGRAM, SHEET E14.40 FOR ADDITIONAL REQUIREMENTS.



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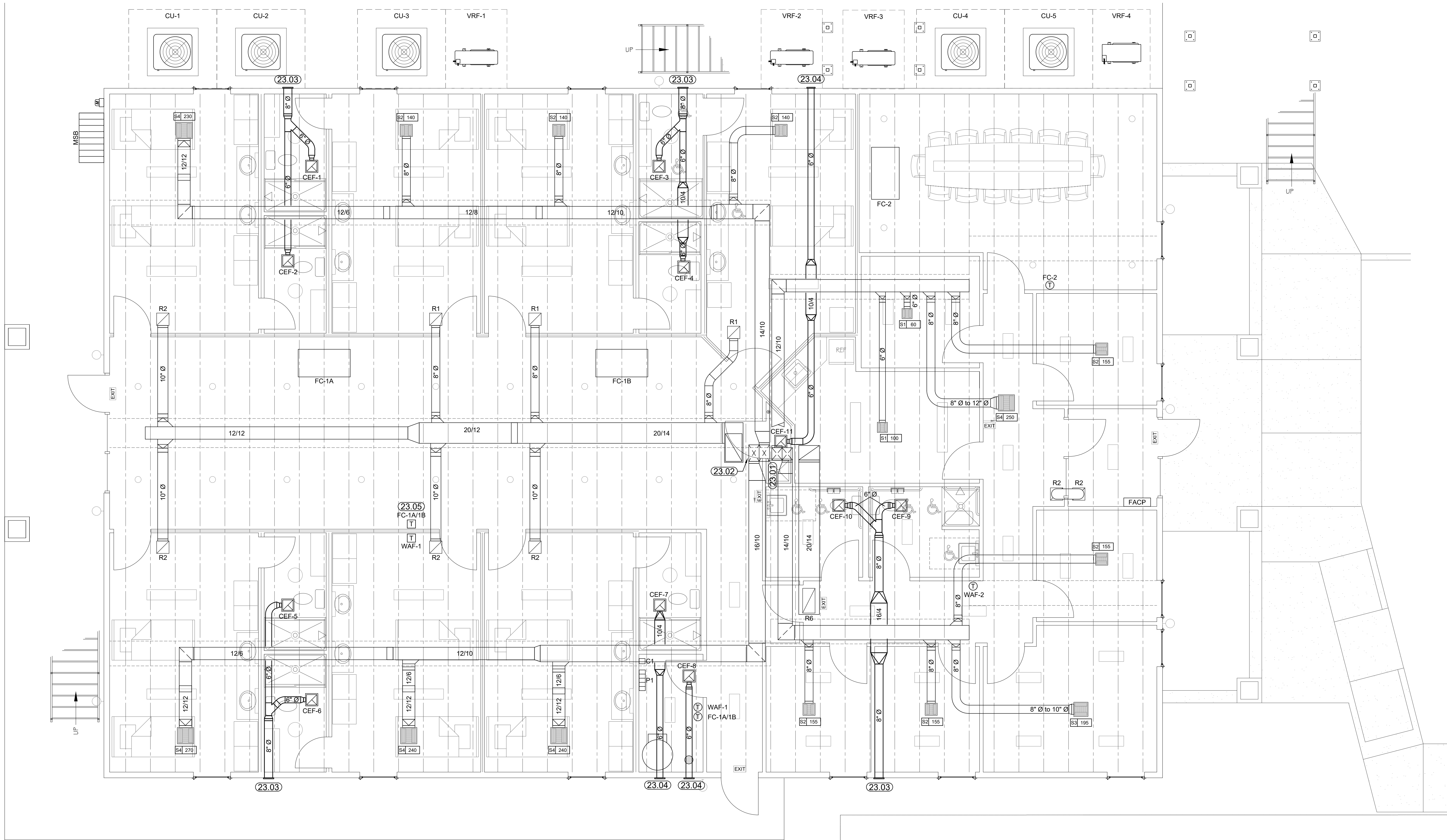
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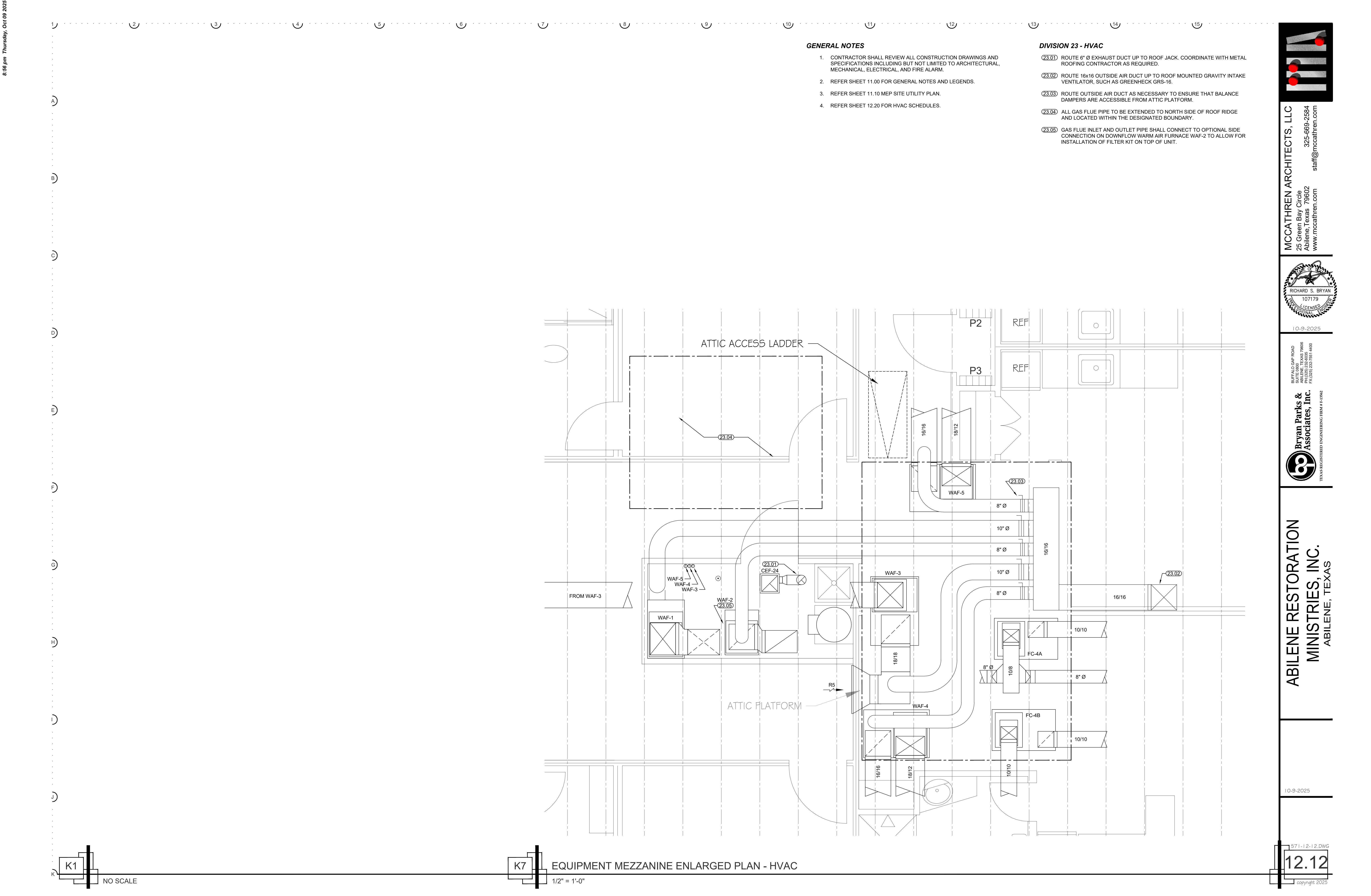
GENERAL NOTES

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2. REFER SHEET 11.00 FOR GENERAL NOTES AND LEGENDS.
3. REFER SHEET 11.10 MEP SITE UTILITY PLAN.
4. REFER SHEET 12.20 FOR HVAC SCHEDULES.

DIVISION 23 - HVAC

- (23.01) ROUTE 20/12 SUPPLY DUCT DOWN FROM UNIT.
- (23.02) ROUTE 20/16 SUPPLY DUCT DOWN FROM UNIT.
- (23.03) INSTALL WITH 8" Ø HOODED WALL VENT WITH BIRDSCREEN, SUCH AS FAMCO WVEB8 IN BLK/BRN/WHT. COLOR TO BE SELECTED BY ARCHITECT.
- (23.04) INSTALL WITH 6" Ø HOODED WALL VENT WITH BIRDSCREEN, SUCH AS FAMCO WVEB6 IN BLK/BRN/WHT. COLOR TO BE SELECTED BY ARCHITECT.
- (23.05) GROUP INDOOR UNITS FC-1A & FC-1B TO COMMON TEMPERATURE SENSOR AND THERMOSTAT.



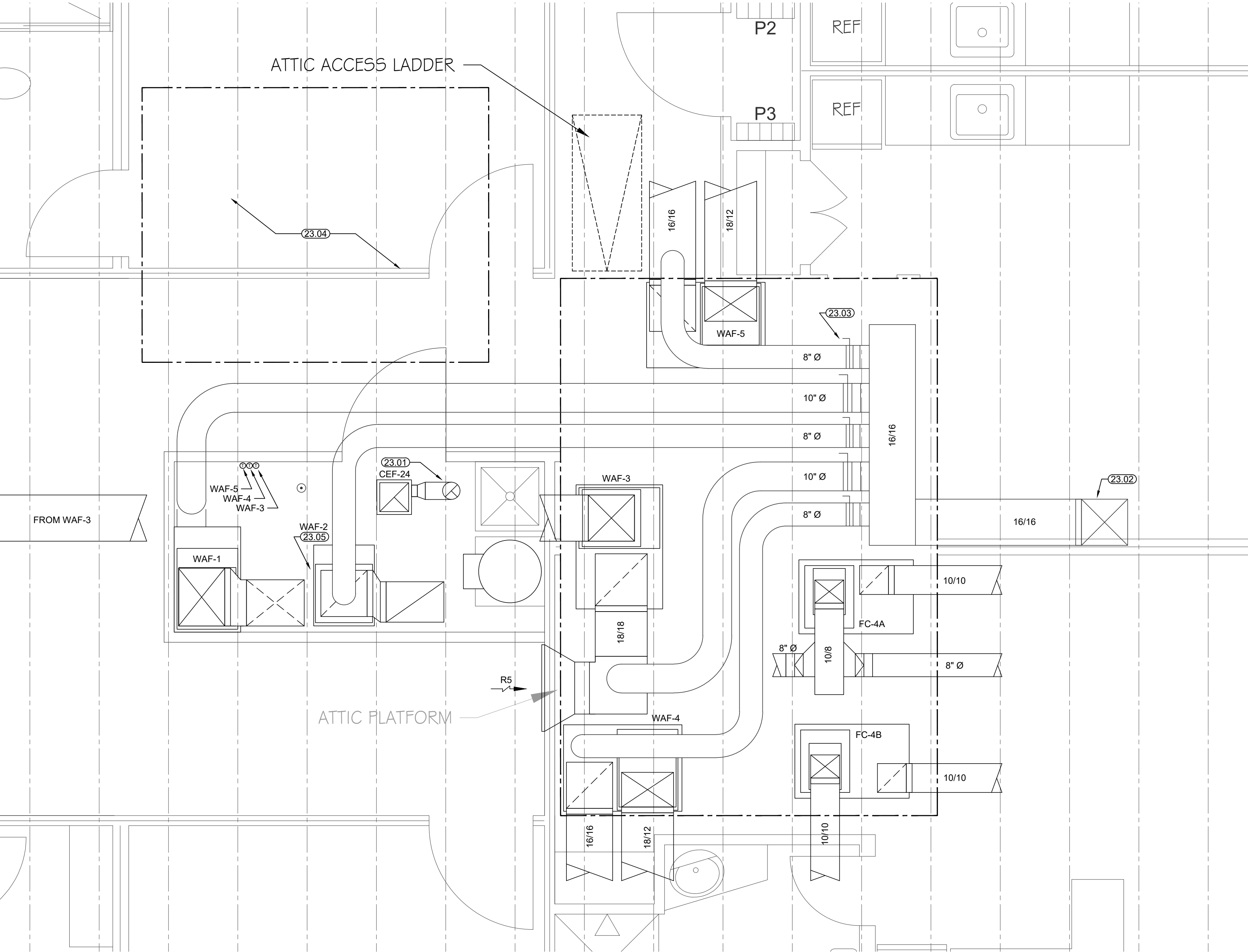


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- 4. REFER SHEET 12.20 FOR HVAC SCHEDULES.

DIVISION 23 - HVAC

- (23.01) ROUTE 6" Ø EXHAUST DUCT UP TO ROOF JACK. COORDINATE WITH METAL ROOFING CONTRACTOR AS REQUIRED.
- (23.02) ROUTE 16x16 OUTSIDE AIR DUCT UP TO ROOF MOUNTED GRAVITY INTAKE VENTILATOR, SUCH AS GREENHECK GRS-16.
- (23.03) ROUTE OUTSIDE AIR DUCT AS NECESSARY TO ENSURE THAT BALANCE DAMPERS ARE ACCESSIBLE FROM ATTIC PLATFORM.
- (23.04) ALL GAS FLUE PIPE TO BE EXTENDED TO NORTH SIDE OF ROOF RIDGE AND LOCATED WITHIN THE DESIGNATED BOUNDARY.
- (23.05) GAS FLUE INLET AND OUTLET PIPE SHALL CONNECT TO OPTIONAL SIDE CONNECTION ON DOWNFLOW WARM AIR FURNACE WAF-2 TO ALLOW FOR INSTALLATION OF FILTER KIT ON TOP OF UNIT.



K1

NO SCALE

K7

EQUIPMENT MEZZANINE ENLARGED PLAN - HVAC

1/2" = 1'-0"

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10-9-2025

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VARIABLE REFRIGERANT VOLUME (HEAT PUMP) EQUIPMENT SCHEDULE																							
OUTDOOR UNIT TAG	INDOOR UNIT TAG	DESCRIPTION	OUTDOOR UNIT				AIRFLOW H-M-L / CFM	INDOOR UNIT				ELECTRICAL					WEIGHT LBS.	MFG.	MODEL		NOTES		
			NOMINAL TONS	CONNECTION RATIO %	COOLING @ 105°F BTU/h	HEATING @ 16°F BTU/h		COOLING		HEATING		VOLTS	PH	HZ	RLA	MCA			MOP	OUTDOOR UNIT		INDOOR UNIT	
								DB / WB /°F	TOTAL BTU/h	SENSIBLE BTU/h	DB °F						BTU/h						
VRF-1	-	OUTDOOR HEATPUMP	4	100	40,719	50,676	-	-	-	-	-	-	208-230	1	60		45	80	283	MTSUBISHI	MXZ-SM48NLHZ	-	1,2,3,4,5,6
	FC-1A	CEILING SUSPENDED	2	-	-	-	636	75 / 62.5	20,311	14,683	70.0	25,338	208-230	1	60		0.51	15	71	MTSUBISHI	-	PCFY-L24NKMU-A	1,2,3,4,5,6
	FC-1B	CEILING SUSPENDED	2	-	-	-	636	75 / 62.5	20,311	14,683	70.0	25,338	208-230	1	60		0.51	15	71	MTSUBISHI	-	PCFY-L24NKMU-A	1,2,3,4,5,6
VRF-2	-	OUTDOOR HEATPUMP	2	100	19,597	26,776	-	-	-	-	-	-	208-230	1	60		24	39	231	MTSUBISHI	PUZ-AK24NLHZ	-	1,2,3,4,5,6
	FC-2	CEILING SUSPENDED	2	-	-	-	670	75 / 62.5	19,597	17,883	70.0	24,863	208-230	1	60	-	-	-	71	MTSUBISHI	-	PCA-AK24NL	1,2,3,4,5,6,7
VRF-3	-	OUTDOOR HEATPUMP	3	83	31,153	39,376	-	-	-	-	-	-	208-230	1	60		45	80	283	MTSUBISHI	MXZ-SM36NLHZ	-	1,2,3,4,5,6
	FC-3A	CEILING SUSPENDED	1.25	-	-	-	459	75 / 62.5	12,694	9,393	70.0	16,665	208-230	1	60		0.44	15	53	MTSUBISHI	-	PCFY-L15NKMU-A	1,2,3,4,5,6
	FC-3B	CEILING SUSPENDED	1.25	-	-	-	459	75 / 62.5	12,694	9,393	70.0	16,665	208-230	1	60		0.44	15	53	MTSUBISHI	-	PCFY-L15NKMU-A	1,2,3,4,5,6
VRF-4	-	OUTDOOR HEATPUMP	2	91	16,578	21,206	-	-	-	-	-	-	208-230	1	60		29	49	152	MTSUBISHI	MXZ-3D24NLHZ	-	1,2,3,4,5,6
	FC-4A	MULTI POSITION AHU	0.91	-	-	-	448	75 / 62.5	8,289	8,289	70.0	10,603	208-230	1	60	-	3.0	15	97	MTSUBISHI	-	SVZ-AP12NL	1,2,3,4,5,6
	FC-4B	MULTI POSITION AHU	0.91	-	-	-	448	75 / 62.5	8,289	8,289	70.0	10,603	208-230	1	60	-	3.0	15	97	MTSUBISHI	-	SVZ-AP12NL	1,2,3,4,5,6
NOTES: 1) REFRIGERANT LINES SHALL BE SIZED AS REQUIRED BY EQUIPMENT MANUFACTURER. 2) ALL INSULATION EXPOSED TO SUN LIGHT SHALL HAVE ALUMINUM JACKETING SECURED WITH 1/2" STAINLESS BANDS 9" O.C. 3) PROVIDE ALL REFRIGERANT PIPING, FITTINGS, AND COMPONENTS AS REQUIRED FOR A COMPLETE OPERATING SYSTEM. 4) PROVIDE WITH LOW AMBIENT BAFFLE KIT(S). 5) VERTICAL AIR HANDLER. PROVIDE HINGED FILTER KIT. 6) PROVIDE GROUP CONTROL KIT. REFER DRAWINGS. 7) INDOOR UNIT POWERED FROM OUTDOOR UNIT.																							

WARM AIR FURNACE FURNACE WITH CASED DX COOLING COIL																												
ID	SUPPLY FAN DATA					NET COOLING CAPACITY							HEATING			ELECTRICAL						WEIGHT		MFG	UNIT CONFIGURATION	MODEL		NOTES
	CFM	O/A	E.S.P.	HP	DRIVE	TOTAL BTUH	SENSIBLE BTUH	STAGES	EDB	EWB	LDB	LWB	INPUT BTUH	STAGES	AFUE	VOLTS	PHASE	HZ	MCA	MOP	INDOOR COIL	FURNACE						
																					LBS	LBS						
WAF-1	1,400	210	0.50	1.0	DIRECT	43,978	37,999	VARIABLE	79.2	64.1	53.7	53.1	80,000	2	97	120	1	60	13.4	15	70	139	TRANE	VERTICAL UPFLOW	S9V2C080U5VSB8 / STXCC009AS3HCA	1,2,3,4,5,6		
WAF-2	1,225	105	0.50	1.0	DIRECT	40,293	30,696	VARIABLE	79.8	65.4	56.0	55.1	100,000	2	97	120	1	60	13.4	15	70	144	TRANE	VERTICAL DOWNFLOW	S9V2C100D5VSB8 / STXCC007AS3HCA	1,2,3,4,5,6,7		
WAF-3	1,400	210	0.50	1.0	DIRECT	43,978	37,999	VARIABLE	79.2	64.1	53.7	53.1	80,000	2	97	120	1	60	13.4	15	70	139	TRANE	VERTICAL UPFLOW	S9V2C080U5VSB8 / STXCC009AS3HCA	1,2,3,4,5,6		
WAF-4	1,100	105	0.50	1.0	DIRECT	33,059	27,879	VARIABLE	79.8	65.4	56.0	55.1	80,000	2	97	120	1	60	13.4	15	70	139	TRANE	VERTICAL UPFLOW	S9V2C080U5VSB8 / STXCC009AS3HCA	1,2,3,4,5,6		
WAF-5	1,100	105	0.50	1.0	DIRECT	33,059	27,879	VARIABLE	79.8	65.4	56.0	55.1	80,000	2	97	120	1	60	13.4	15	70	139	TRANE	VERTICAL UPFLOW	S9V2C080U5VSB8 / STXCC009AS3HCA	1,2,3,4,5,6		
NOTES: 1) EQUAL MANUFACTURER / MODEL MUST COMPLY WITH ALL BASIS OF DESIGN PERFORMANCE, FEATURES, SAFETY, DURABILITY WARRANTY AND SYSTEM DESIGN REQUIREMENTS. 2) REFER CONDENSING UNIT SCHEDULE. PROVIDE A FACTORY MATCHED SYSTEM: WARM AIR FURNACE, INDOOR COIL, OUTDOOR CONDENSING UNIT, AND ALL REQUIRED ACCESSORIES. 3) INSTALL WITH CLEARANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. 4) EXTERNAL STATIC PRESSURE INCLUDES THE DX COOLING COIL, R/A FILTER (DIRTY), SUPPLY DUCT, RETURN DUCT, PLENUMS, GRILLES, ETC. 5) PROVIDE WITH VERTICAL CONCENTRIC VENT KIT. 6) PROVIDE WITH HINGED ACCESS FILTER KIT. 7) INSTALL USING ALTERNATE SIDE FLUE INLET/OUTLET TO MAINTAIN ACCESS TO FILTER SECTION.																												

CONDENSING UNIT SCHEDULE																
ID	INDOOR UNIT	NOMINAL TONS	STAGES	AMBIENT °F	EFFICIENCY		ELECTRICAL						WEIGHT LBS	MFG	MODEL	NOTES
					EER	SEER	VOLTS	PHASE	HZ	RLA	MCA	MOP				
CU-1	WAF-1	4	1	105	12	16	208	1	60	17.3	23.0	35	257	TRANE	5TTRS048A1000A	1,2,3,4
CU-2	WAF-2	4	1	105	12	16	208	1	60	17.3	23.0	35	257	TRANE	5TTRS048A1000A	1,2,3,4
CU-3	WAF-3	4	1	105	12	16	208	1	60	17.3	23.0	35	257	TRANE	5TTRS048A1000A	1,2,3,4
CU-4	WAF-4	3	1	105	12	16	208	1	60	13.5	18.0	30	156	TRANE	5TTRS036A1000A	1,2,3,4
CU-5	WAF-5	3	1	105	12	16	208	1	60	13.5	18.0	30	156	TRANE	5TTRS036A1000A	1,2,3,4
NOTES:																
1) EQUAL MANUFACTURER / MODEL MUST COMPLY WITH ALL BASIS OF DESIGN PERFORMANCE, FEATURES, SAFETY, DURABILITY WARRANTY AND SYSTEM DESIGN REQUIREMENTS.																
2) REFER WARM AIR FURNACE UNIT SCHEDULE. PROVIDE A FACTORY MATCHED SYSTEM: WARM AIR FURNACE, INDOOR COIL, OUTDOOR CONDENSING UNIT, AND ALL REQUIRED ACCESSORIES.																
3) REFRIGERANT R-454B. SIZE AND INSTALL REFRIGERANT LINES PER MANUFACTURER'S RECOMMENDATIONS.																
4) INSTALL WITH CLEARANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.																

GRILLE, REGISTER, AND DIFFUSER SCHEDULE										
TAG	SERVICE	SIZE	NECK	MAX. AIRFLOW CFM	MOUNTING	TYPE	MATERIAL	MFG	MODEL	NOTES
S1	SUPPLY	8" x 8"	6" DIA	100	SURFACE	ONE-WAY CURVED BLADE DIFFUSER	ALUMINUM	HART & COOLEY	CD4	1,2,3,6
S2	SUPPLY	10" x 10"	8" DIA	155	SURFACE	FOUR-WAY CURVED BLADE DIFFUSER	ALUMINUM	HART & COOLEY	CD4	1,2,3,6
S3	SUPPLY	12" x 12"	10" DIA	210	SURFACE	FOUR-WAY CURVED BLADE DIFFUSER	ALUMINUM	HART & COOLEY	CD4	1,2,3,6
S4	SUPPLY	14" x 14"	12" DIA	290	SURFACE	FOUR-WAY CURVED BLADE DIFFUSER	ALUMINUM	HART & COOLEY	CD4	1,2,3,6
R1	RETURN	12" x 12"	8" DIA	160	SURFACE	1/2x1/2x1/2 EGGRATE	ALUMINUM	NAILOR	51EC	1,2,5
R2	RETURN	12" x 12"	10" DIA	275	SURFACE	1/2x1/2x1/2 EGGRATE	ALUMINUM	NAILOR	51EC	1,2,5
R3	RETURN	12" x 12"	12" DIA	400	SURFACE	1/2x1/2x1/2 EGGRATE	ALUMINUM	NAILOR	51EC	1,2,5
R4	RETURN	24" x 24"	22" x 22"	1,500	LAY-IN	1/2x1/2x1/2 EGGRATE	ALUMINUM	NAILOR	51EC	1,2
R5	RETURN	30" x 18"	-	1,415	SIDEWALL	HORIZONTAL LOUVER SIDEWALL	STEEL	NAILOR	61FH	1,2
R6	RETURN	24" x 12"	-	1,110	SURFACE	1/2x1/2x1/2 EGGRATE	ALUMINUM	NAILOR	51EC	1,2,5
NOTES: 1) PROVIDE STANDARD WHITE FINISH. 2) SHALL HAVE ALL ALUMINUM CONSTRUCTION. 3) PROVIDE MATCHING R-6 INSULATED REGISTER BOX. 4) PROVIDE EXTERNAL FOIL BACK INSULATION ON TOP OF DIFFUSER AND TRANSITIONS TO PREVENT CONDENSATION. 5) PROVIDE WITH SQUARE-TO-ROUND TRANSITIONS WHERE REQUIRED. 6) PROVIDE GRILLE WITH OPPOSED BLADE DAMPER.										

FAN SCHEDULE																		
TAG	AREA SERVED	FAN					FAN HP/(W)	VOLTS	PHASE	HZ	FLA	MCA	MOP	WEIGHT LBS	MFG	MODEL	NOTES	
		CFM	ESP IN WC	DRIVE	SPEED CONTROL	SONES												
CEF-1	102 BATH	70	0.25	DIRECT	SINGLE SPEED	3	47 W	120	1	60	0.4	0.5	15	10	BROAN NUTONE	AR110	1,2	
CEF-2	103 BATH	70	0.25	DIRECT	SINGLE SPEED	3	47 W	120	1	60	0.4	0.5	15	10	BROAN NUTONE	AR110	1,2	
CEF-3	106 BATH	70	0.25	DIRECT	SINGLE SPEED	3	47 W	120	1	60	0.4	0.5	15	10	BROAN NUTONE	AR110	1,2	
CEF-4	107 BATH	70	0.25	DIRECT	SINGLE SPEED	3	47 W	120	1	60	0.4	0.5	15	10	BROAN NUTONE	AR110	1,2	
CEF-5	110 BATH	70	0.25	DIRECT	SINGLE SPEED	3	47 W	120	1	60	0.4	0.5	15	10	BROAN NUTONE	AR110	1,2	
CEF-6	111 BATH	70	0.25	DIRECT	SINGLE SPEED	3	47 W	120	1	60	0.4	0.5	15	10	BROAN NUTONE	AR110	1,2	
CEF-7	114 BATH	70	0.25	DIRECT	SINGLE SPEED	3	47 W	120	1	60	0.4	0.5	15	10	BROAN NUTONE	AR110	1,2	
CEF-8	115 MECH	70	0.25	DIRECT	SINGLE SPEED	3	47 W	120	1	60	0.4	0.5	15	10	BROAN NUTONE	AR110	1,2	
CEF-9	122 MEN	70	0.25	DIRECT	SINGLE SPEED	3	47 W	120	1	60	0.4	0.5	15	10	BROAN NUTONE	AR110	1,2	
CEF-10	123 MEN	70	0.25	DIRECT	SINGLE SPEED	3	47 W	120	1	60	0.4	0.5	15	10	BROAN NUTONE	AR110	1,2	
CEF-11	130 JANITOR	70	0.25	DIRECT	SINGLE SPEED	1.5	26 W	120	1	60	0.6	0.8	15	18	BROAN NUTONE	AER110LTW	1,2	
CEF-12	202 BATH	70	0.25	DIRECT	SINGLE SPEED	3	47 W	120	1	60	0.4	0.5	15	10	BROAN NUTONE	AR110	1,2	
CEF-13	203 BATH	70	0.25	DIRECT	SINGLE SPEED	3	47 W	120	1	60	0.4	0.5	15	10	BROAN NUTONE	AR110	1,2	
CEF-14	206 BATH	70	0.25	DIRECT	SINGLE SPEED	3	47 W	120	1	60	0.4	0.5	15	10	BROAN NUTONE	AR110	1,2	
CEF-15	207 BATH	70	0.25	DIRECT	SINGLE SPEED	3	47 W	120	1	60	0.4	0.5	15	10	BROAN NUTONE	AR110	1,2	
CEF-16	210 BATH	70	0.25	DIRECT	SINGLE SPEED	3	47 W	120	1	60	0.4	0.5	15	10	BROAN NUTONE	AR110	1,2	
CEF-17	211 BATH	70	0.25	DIRECT	SINGLE SPEED	3	47 W	120	1	60	0.4	0.5	15	10	BROAN NUTONE	AR110	1,2	
CEF-18	214 BATH	70	0.25	DIRECT	SINGLE SPEED	3	47 W	120	1	60	0.4	0.5	15	10	BROAN NUTONE	AR110	1,2	
CEF-19	215 BATH	70	0.25	DIRECT	SINGLE SPEED	3	47 W	120	1	60	0.4	0.5	15	10	BROAN NUTONE	AR110	1,2	
CEF-20	220 BATH	70	0.25	DIRECT	SINGLE SPEED	1.5	26 W	120	1	60	0.6	0.8	15	18	BROAN NUTONE	AER110LTW	1,2	
CEF-21	224 BATH	70	0.25	DIRECT	SINGLE SPEED	1.5	26 W	120	1	60	0.6	0.8	15	18	BROAN NUTONE	AER110LTW	1,2	
CEF-22	228 BATH	70	0.25	DIRECT	SINGLE SPEED	1.5	26 W	120	1	60	0.6	0.8	15	18	BROAN NUTONE	AER110LTW	1,2	
CEF-23	229 BATH	70	0.25	DIRECT	SINGLE SPEED	1.5	26 W	120	1	60	0.6	0.8	15	18	BROAN NUTONE	AER110LTW	1,2	
CEF-24	219 JANITOR	70	0.25	DIRECT	SINGLE SPEED	3	47 W	120	1	60	0.4	0.5	15	10	BROAN NUTONE	AR110	1,2	
NOTES:																		
1) EQUAL MANUFACTURER / MODEL MUST COMPLY WITH ALL BASIS OF DESIGN PERFORMANCE, SAFETY, DURABILITY WARRANTY AND SYSTEM DESIGN REQUIREMENTS.																		
2) PROVIDE WITH GRAVITY OPERATED BACKDRAFT DAMPER AT FAN DISCHARGE																		

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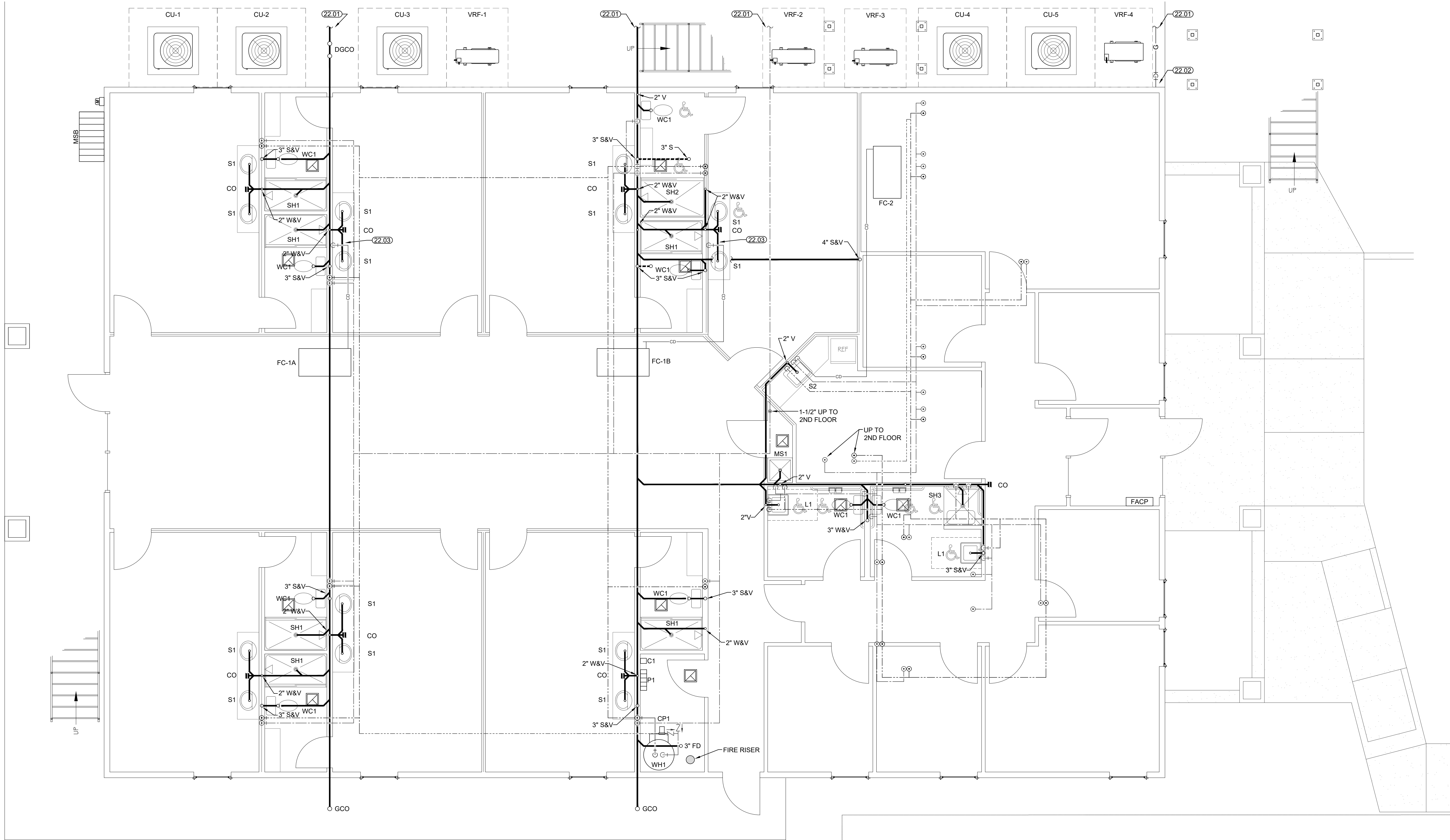
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GENERAL NOTES

1. CONTRACTOR SHALL REVIEW ALL CONSTRUCTION DRAWINGS AND SPECIFICATIONS INCLUDING BUT NOT LIMITED TO ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND FIRE ALARM.
2. REFER SHEET 11.00 FOR GENERAL NOTES AND LEGENDS.
3. REFER SHEET 11.10 MEP SITE UTILITY PLAN.
4. REFER SHEETS 13.20 & 13.21 FOR SEWER PIPING SCHEMATICS.
5. REFER SHEETS 13.30 FOR WATER PIPING SCHEMATICS.
6. REFER SHEET 13.40 FOR PLUMBING SCHEDULES.
7. TOTAL BUILDING DRAINAGE FIXTURE UNITS (DFU) PER TABLE 709.1 OF THE 2021 INTERNATIONAL PLUMBING CODE IS 177 DFU.
8. TOTAL BUILDING WATER SUPPLY FIXTURE UNITS (WSFU) PER TABLE E103.3(2) OF THE 2021 INTERNATIONAL PLUMBING CODE IS 172 WSFU.
9. NATURAL GAS BUILDING ENTRY WITH BUILDING STOP VALVE AND REGULATOR. TOTAL NATURAL GAS LOAD FOR THE BUILDING IS 420 CFH.

DIVISION 22 - PLUMBING

- (22.01) REFER MEP SITE PLAN, SHEET 11.10 FOR CONTINUATION.
- (22.02) NATURAL GAS BUILDING RISER, ENTRY WITH CUTOFF VALVE. COORDINATE GAS SERVICE AND METER LOCATION WITH GAS UTILITY COMPANY. TOTAL BUILDING GAS LOAD OF 420 CFH AT 4 OUNCE DELIVERY PRESSURE AND A DEVELOPED PIPE LENGTH OF 180' FROM METER TO REMOTE OUTLET. ROUTE 1-1/2" GAS LINE INTO BUILDING AND UP TO ATTIC. REFER SHEET 13.12 FOR ADDITIONAL REQUIREMENTS.
- (22.03) ROUTE 3/4" CONDENSATE TO FIXTURE SIDE OF SINK TAILPIECE WITH 3/4" CONNECTION. REFER DETAIL SHEET 13.40.



K1

FIRST FLOOR PLAN - PLUMBING

1/4" = 1'-0"

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10-9-2025

Bryan Parks & Associates, Inc.
1000 GARDEN ROAD
ABILENE, TEXAS 79606
PH (325) 232-7951 FAX (325) 232-7951
TEXAS REGISTERED ENGINEERING FIRM # F15962

ABILENE RESTORATION
MINISTRIES, INC.
ABILENE, TEXAS

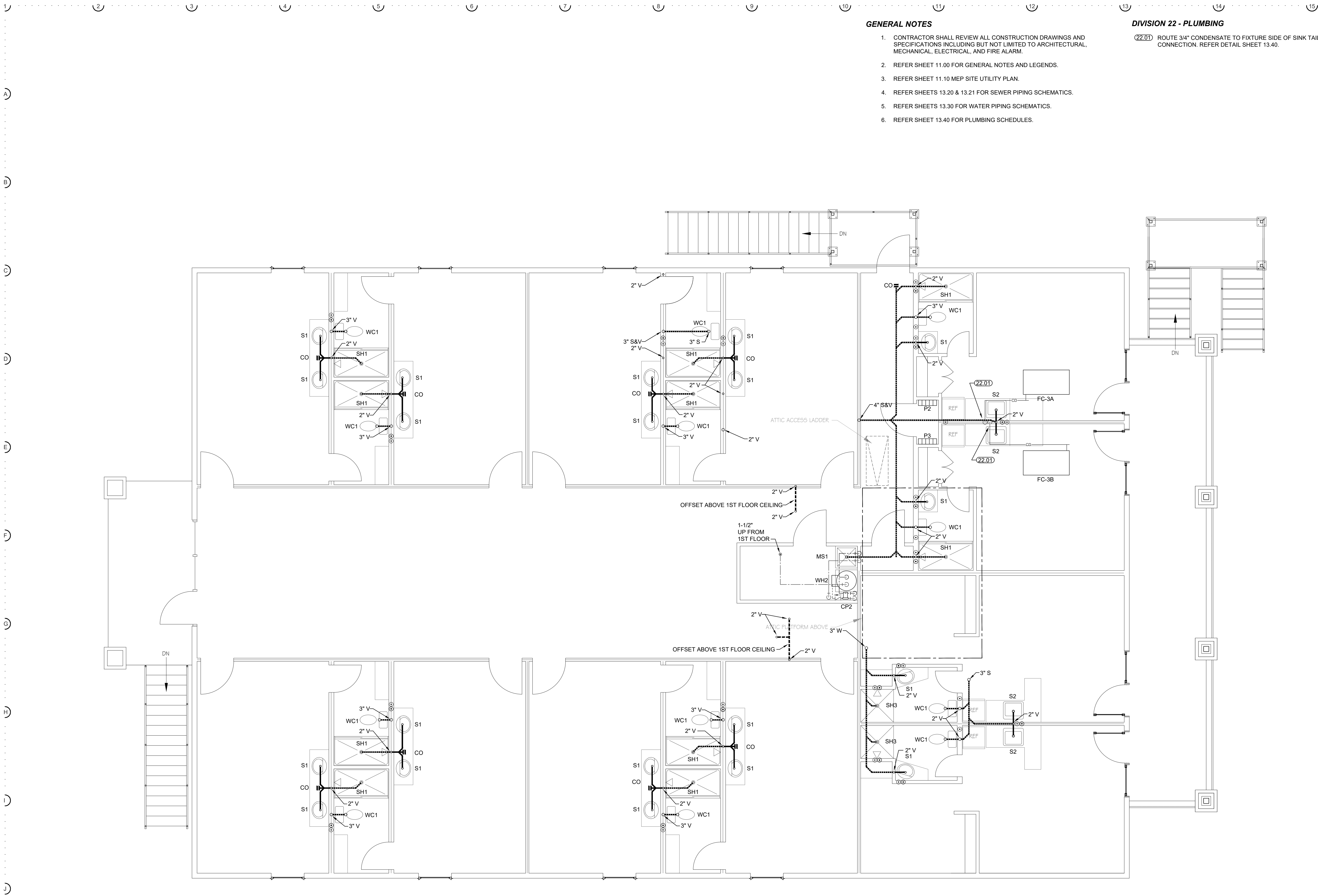
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GENERAL NOTES

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2. REFER SHEET 11.00 FOR GENERAL NOTES AND LEGENDS.
3. REFER SHEET 11.10 MEP SITE UTILITY PLAN.
4. REFER SHEETS 13.20 & 13.21 FOR SEWER PIPING SCHEMATICS.
5. REFER SHEETS 13.30 FOR WATER PIPING SCHEMATICS.
6. REFER SHEET 13.40 FOR PLUMBING SCHEDULES.

DIVISION 22 - PLUMBING

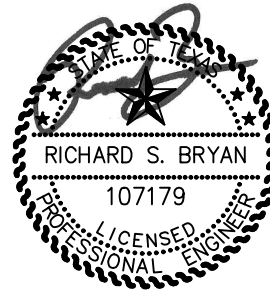
(22.01) ROUTE 3/4" CONDENSATE TO FIXTURE SIDE OF SINK TAILPIECE WITH 3/4" CONNECTION. REFER DETAIL SHEET 13.40.

K1

SECOND FLOOR PLAN - PLUMBING

1/4" = 1'-0"

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Associates, Inc.
TEXAS REGISTERED ENGINEERING FIRM # F1592

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ABILENE, TEXAS

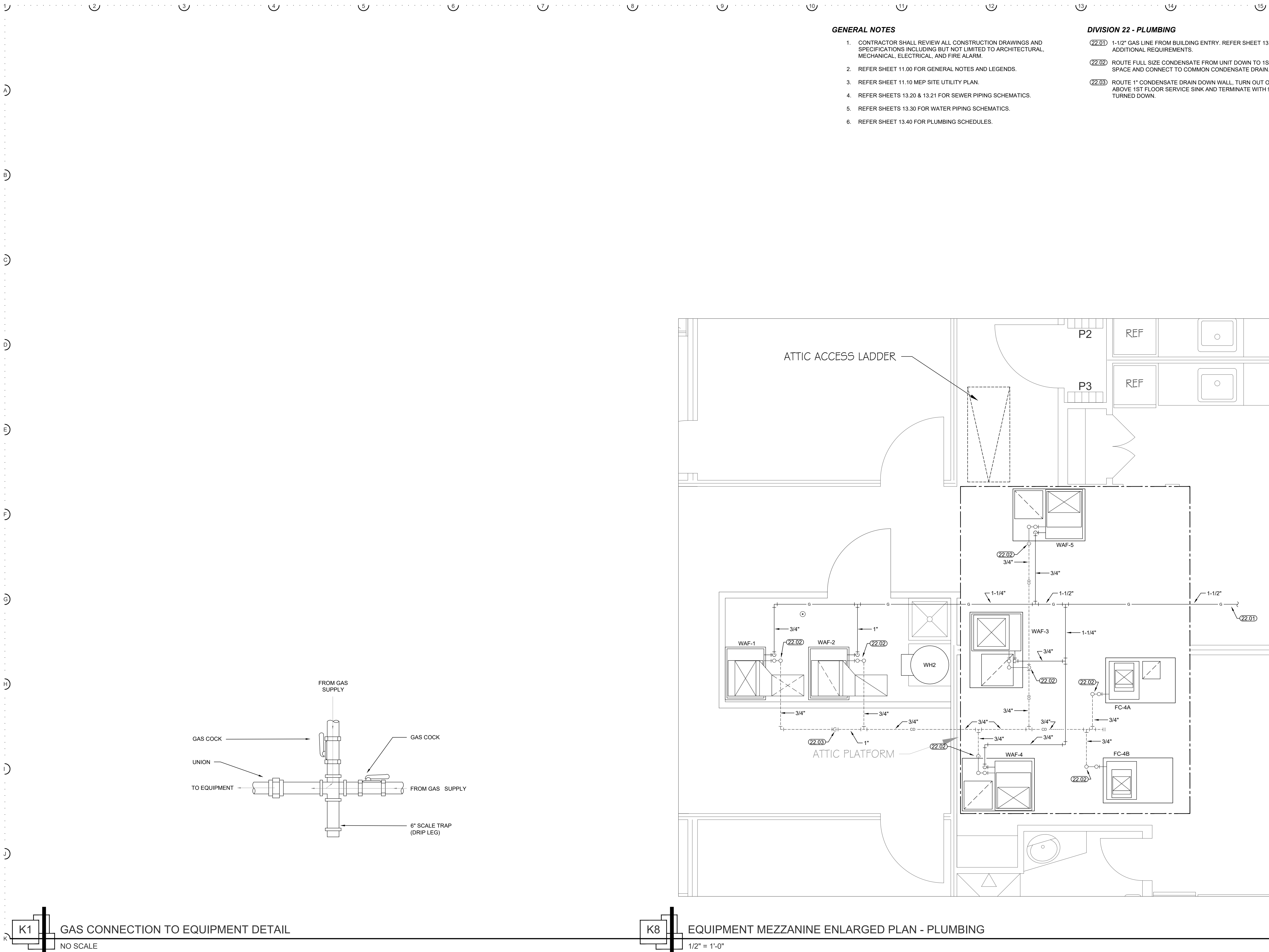
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GENERAL NOTES

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2. REFER SHEET 11.00 FOR GENERAL NOTES AND LEGENDS.
3. REFER SHEET 11.10 MEP SITE UTILITY PLAN.
4. REFER SHEETS 13.20 & 13.21 FOR SEWER PIPING SCHEMATICS.
5. REFER SHEETS 13.30 FOR WATER PIPING SCHEMATICS.
6. REFER SHEET 13.40 FOR PLUMBING SCHEDULES.

DIVISION 22 - PLUMBING

- (22.01) 1-1/2" GAS LINE FROM BUILDING ENTRY. REFER SHEET 13.10 FOR ADDITIONAL REQUIREMENTS.
- (22.02) ROUTE FULL SIZE CONDENSATE FROM UNIT DOWN TO 1ST FLOOR CEILING SPACE AND CONNECT TO COMMON CONDENSATE DRAIN.
- (22.03) ROUTE 1" CONDENSATE DRAIN DOWN WALL. TURN OUT OF WALL 6-INCHES ABOVE 1ST FLOOR SERVICE SINK AND TERMINATE WITH 90 ELBOW TURNED DOWN.

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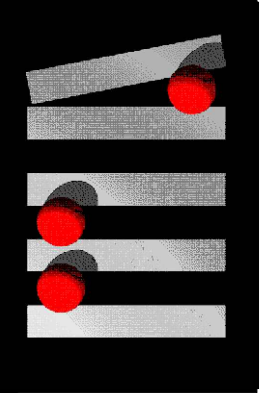
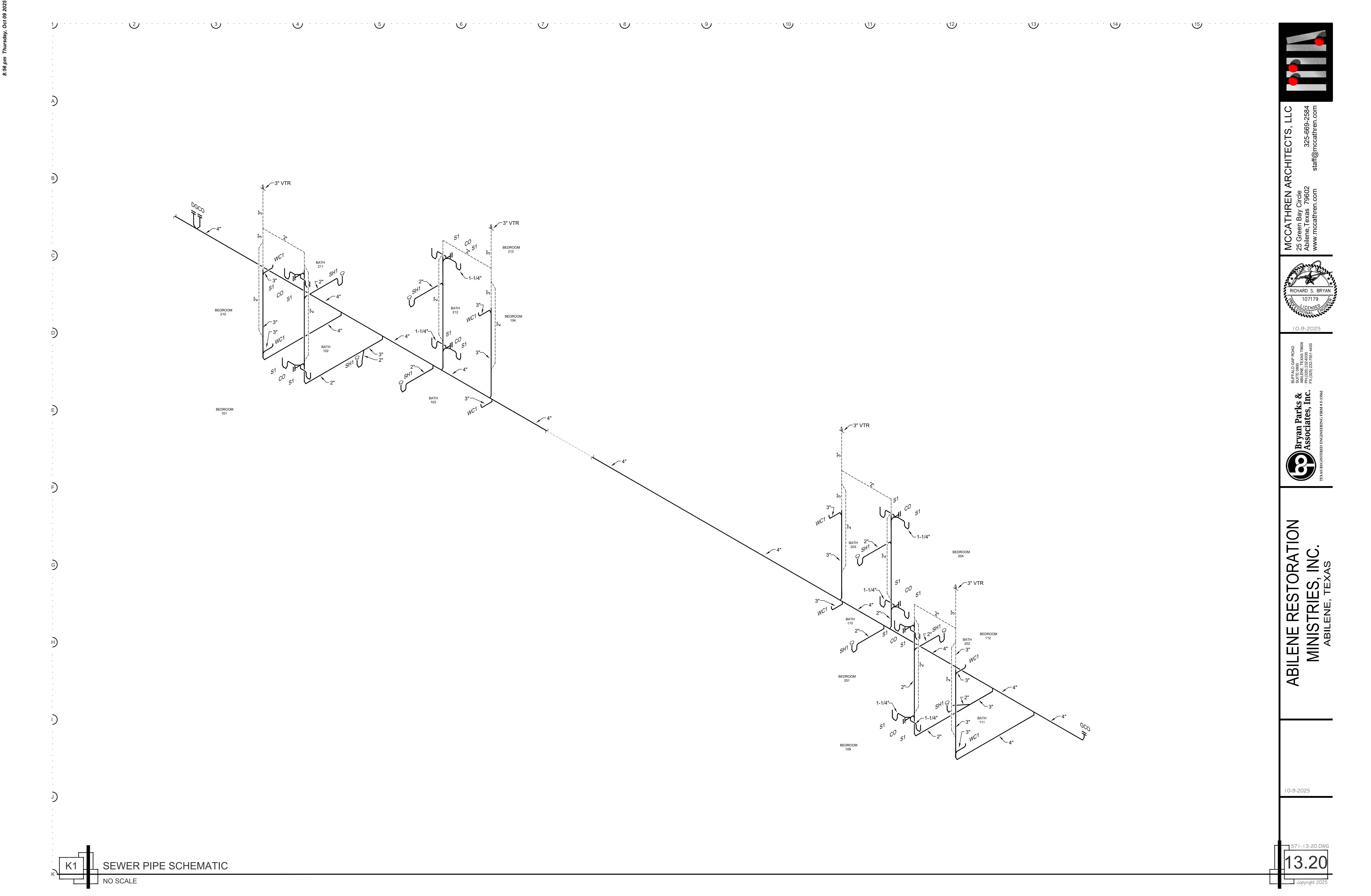
RICHARD S. BRYAN
107179
LICENSED PROFESSIONAL ENGINEER
10-9-2025

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TX REG. ENGINEERING FIRM # F15962

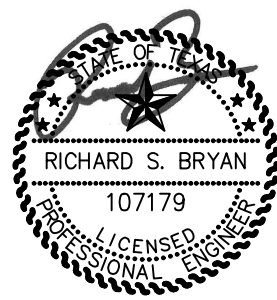
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10-9-2025

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**Bryan Parks &
Associates, Inc.**
TEXAS REGISTERED ENGINEERING FIRM # F15962

ABILENE RESTORATION
MINISTRIES, INC.
ABILENE, TEXAS

10-9-2025





TAG	SERVES	TYPE	CAPACITY GPM	HEAD FT	ELECTRICAL					WEIGHT LBS	MFG	MODEL	NOTES
					WATTS	VOLTS	PHASE	HZ	FLA				
CP1	WH-1	IN LINE	2.0	12	38	115	1	60	-	4.5	GRUNDFOS	ALPHA 15-55-SUC/TLC	ALL
CP2	WH-2	IN LINE	2.0	12	38	115	1	60	-	4.5	GRUNDFOS	ALPHA 15-55-SUC/TLC	ALL
NOTES: 1) EQUAL MANUFACTURER / MODEL MUST COMPLY WITH ALL BASIS OF DESIGN PERFORMANCE, SAFETY, DURABILITY WARRANTY AND SYSTEM DESIGN REQUIREMENTS. 2) CIRCULATION PUMP TO BE CERTIFIED TO NSF-61 AND NSF-372 STANDARDS. 3) PROVIDE WITH INTEGRATED TEMPERATURE CONTROL TO MAINTAIN TEMPERATURE SETPOINT .													



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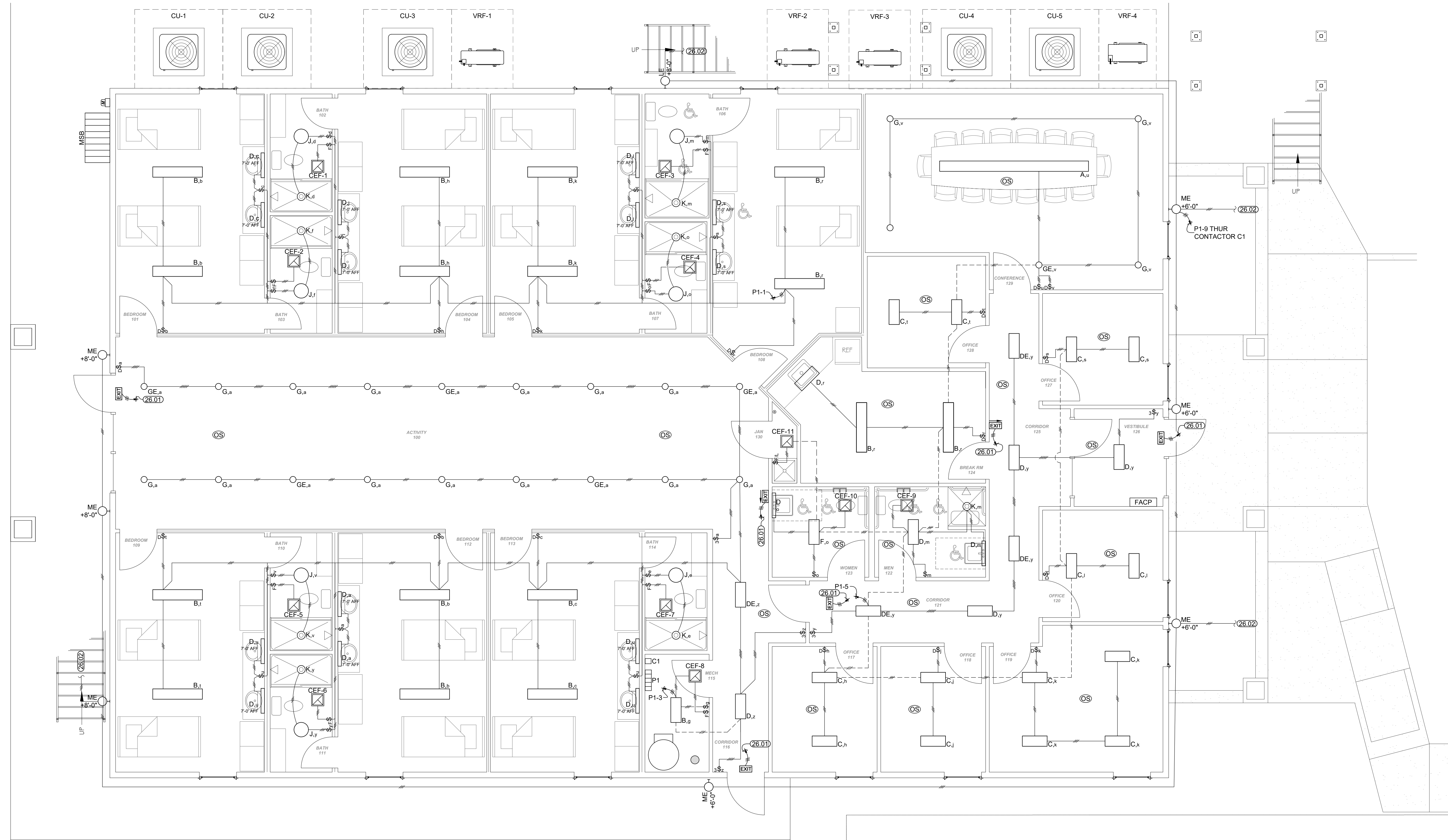
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GENERAL NOTES

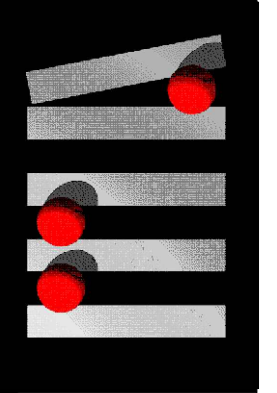
1. CONTRACTOR SHALL REVIEW ALL CONSTRUCTION DRAWINGS AND SPECIFICATIONS INCLUDING BUT NOT LIMITED TO ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING.
2. ALL WORK SHALL BE IN COMPLIANCE WITH THE LOCAL GOVERNING AUTHORITY, ADOPTED BUILDING CODES AND AMENDMENTS.
3. REFER TO 11.00 MEP FOR ABBREVIATIONS, LEGENDS & GENERAL NOTES.
4. ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL DATA COMMUNICATIONS, AND TELEPHONE CABLE, JACKS, AND FACEPLATES. ALL TELEPHONE CABLE SHALL BE PULLED TO THE TELEPHONE BACKBOARD. ALL DATA COMMUNICATION CABLE SHALL BE PULLED TO SERVER ROOM. ELECTRICAL CONTRACTOR SHALL MAKE TERMINATIONS AT WALL BOX JACKS, AND SHALL MAKE TERMINATIONS TO SERVER ROOM DATA COMMUNICATION EQUIPMENT. ELECTRICAL CONTRACTOR SHALL COORDINATE INSTALLATIONS WITH OWNER, TELEPHONE AND DATA COMMUNICATION WIRING SHALL BE CAT6 CABLE.

DIVISION 26 - ELECTRICAL

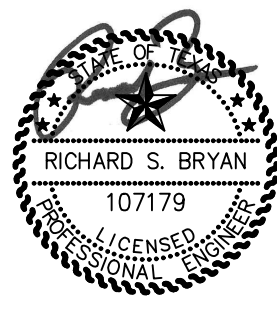
- (26.01) EXTEND (2) #10'S, (1) #10 GRND, IN 1/2" CONDUIT FROM EXIT LIGHT TO EXIT LIGHT BREAKER LOCATED IN PANEL "P1-7".
- (26.02) EXTEND TO LIGHTING ON SECOND FLOOR.



K1 FIRST FLOOR PLAN - LIGHTING
1/4" = 1'-0"



MCCATHREN ARCHITECTS, LLC
25 Green Bay Circle
Abilene, Texas 79602
www.mccathren.com



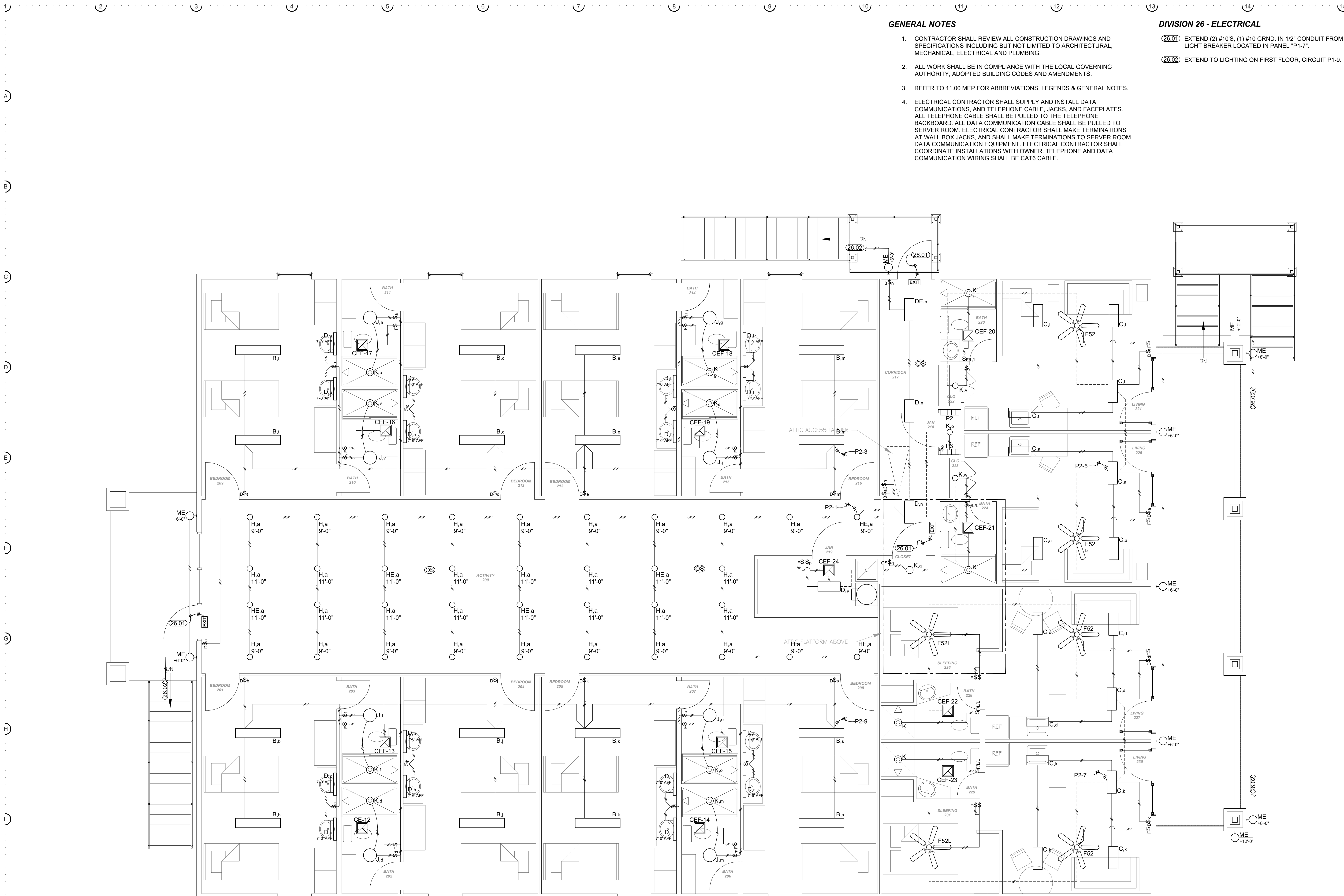
10-9-2025

Bryan Parks & Associates, Inc.
1000 W. 14th Street
Abilene, Texas 79602
Phone: (325) 232-7551
Fax: (325) 232-7551
www.bryanassociates.com

ABILENE RESTORATION
MINISTRIES, INC.
ABILENE, TEXAS

10-9-2025

8:56 pm Thursday, Oct 09 2025



GENERAL NOTES

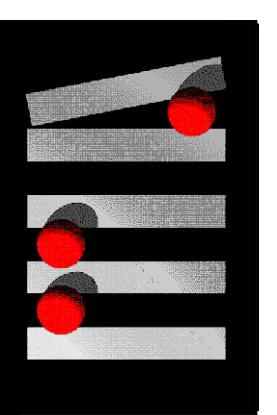
1. CONTRACTOR SHALL REVIEW ALL CONSTRUCTION DRAWINGS AND SPECIFICATIONS INCLUDING BUT NOT LIMITED TO ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING.
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DIVISION 26 - ELECTRICAL

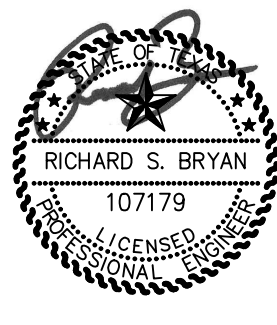
- (26.01) EXTEND (2) #10'S, (1) #10 GRND. IN 1/2" CONDUIT FROM EXIT LIGHT TO EXIT LIGHT BREAKER LOCATED IN PANEL "P1-7".
- (26.02) EXTEND TO LIGHTING ON FIRST FLOOR, CIRCUIT P1-9.

K1 SECOND FLOOR PLAN - LIGHTING

1/4" = 1'-0"



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325-669-2584
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staff@mccathren.com



10-9-2025

Bryan Parks & Associates, Inc.
1000 Buffalo Gap Road
Abilene, Texas 79606
325-232-7551
bryan@bryanparks.com
TEXAS REGISTERED ENGINEERING FIRM # 15192

ABILENE RESTORATION
MINISTRIES, INC.
ABILENE, TEXAS

10-9-2025

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GENERAL NOTES

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DIVISION 26 - ELECTRICAL

- 26.01

2 GANG FLOOR BOX WITH COVER FOR DUPLEX RECEPTACLE IN ONE SIDE AND DATA/TELEPHONE OUTLET IN OTHER SIDE. EXTEND 1" CONDUIT WITH PULLWIRE FROM DATA/TELEPHONE SIDE TO NEAREST WALL, THEN TURN UP AND EXTEND IN WALL SPACE TO 1'-0" ABOVE CEILING AND TERMINATE WITH NON-METALLIC INSULATION BUSHING AS RACEWAY FOR DATA CABLE BY OTHERS. COORDINATE EXACT LOCATION AND TYPE OF COVER REQUIREMENTS WITH GENERAL CONTRACTOR AT JOBSITE.
- 26.02

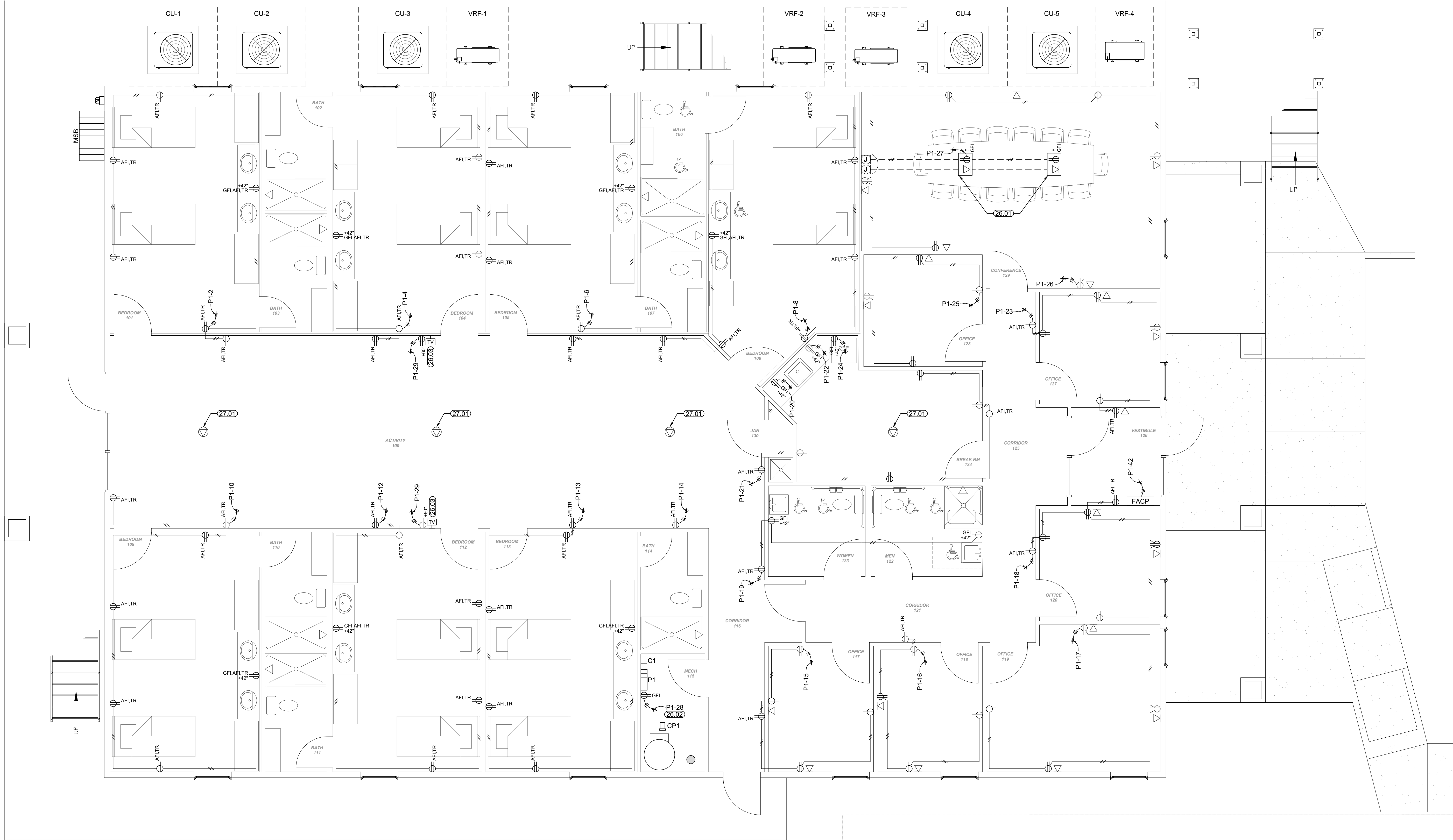
RECEPTACLE FOR CIRCULATOR PLUMP. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH PLUMBING CONTRACTOR AT JOBSITE.
- 26.03

COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF THE OUTLET & TV WITH GENERAL CONTRACTOR AT JOB SITE.

DIVISION 27 - COMMUNICATIONS

- 27.01

WIRELESS ACCESS POINT MOUNTED TO CEILING



K1 FIRST FLOOR PLAN - POWER

1/4" = 1'-0"

MCCATHREN ARCHITECTS, LLC
25 Green Bay Circle
Abilene, Texas 79602
www.mccathren.com



10-9-2025

BUFFALO GAP ROAD
ABILENE, TEXAS 79606
Bryan Parks & Associates, Inc.
TX 00523232958 4400
TEXAS REGISTERED ENGINEERING FIRM # F1596

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ABILENE, TEXAS

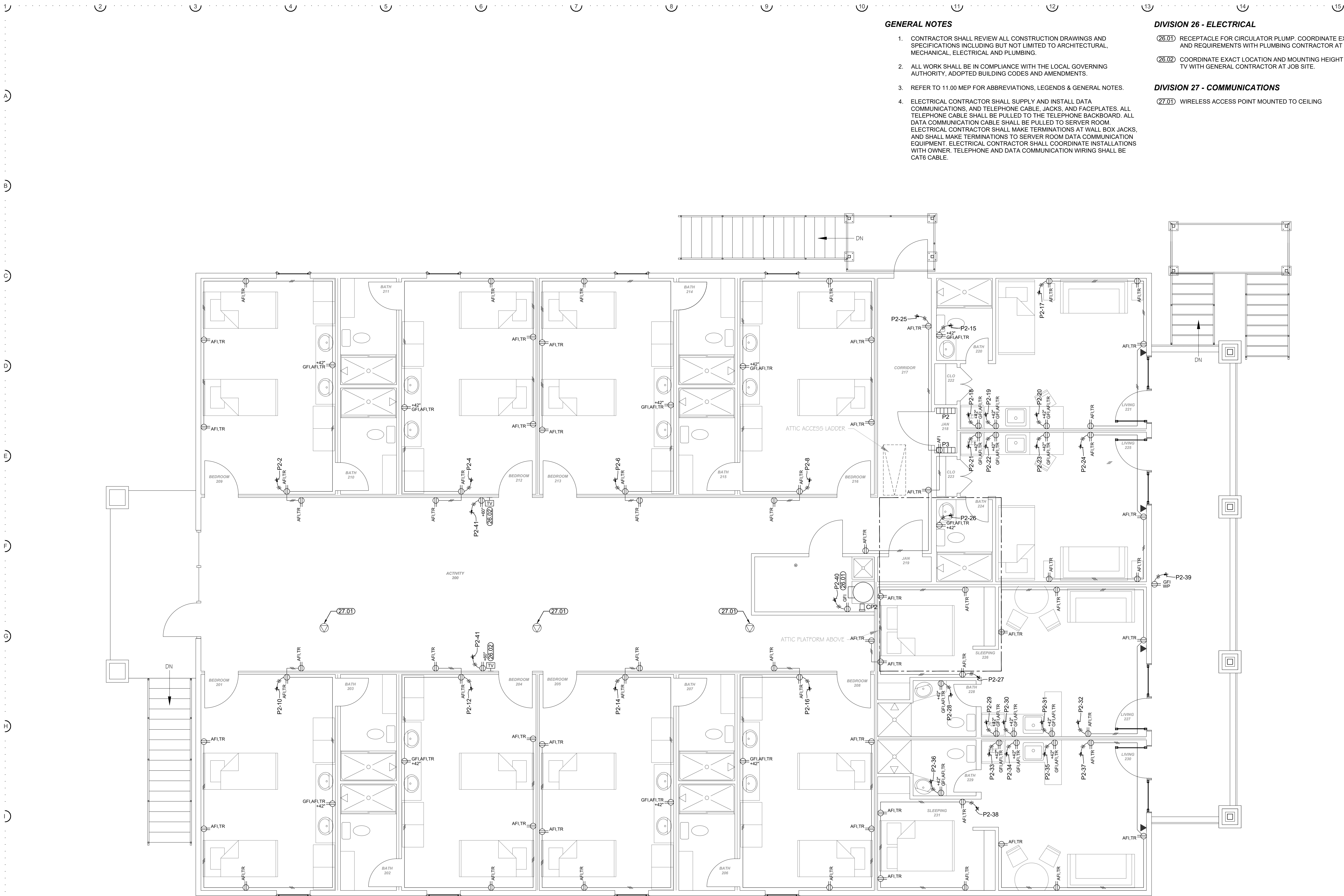
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14.20

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GENERAL NOTES

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DIVISION 26 - ELECTRICAL

- (26.01) RECEPTACLE FOR CIRCULATOR PLUMP. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH PLUMBING CONTRACTOR AT JOBSITE.
- (26.02) COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF THE OUTLET & TV WITH GENERAL CONTRACTOR AT JOB SITE.

DIVISION 27 - COMMUNICATIONS

- (27.01) WIRELESS ACCESS POINT MOUNTED TO CEILING

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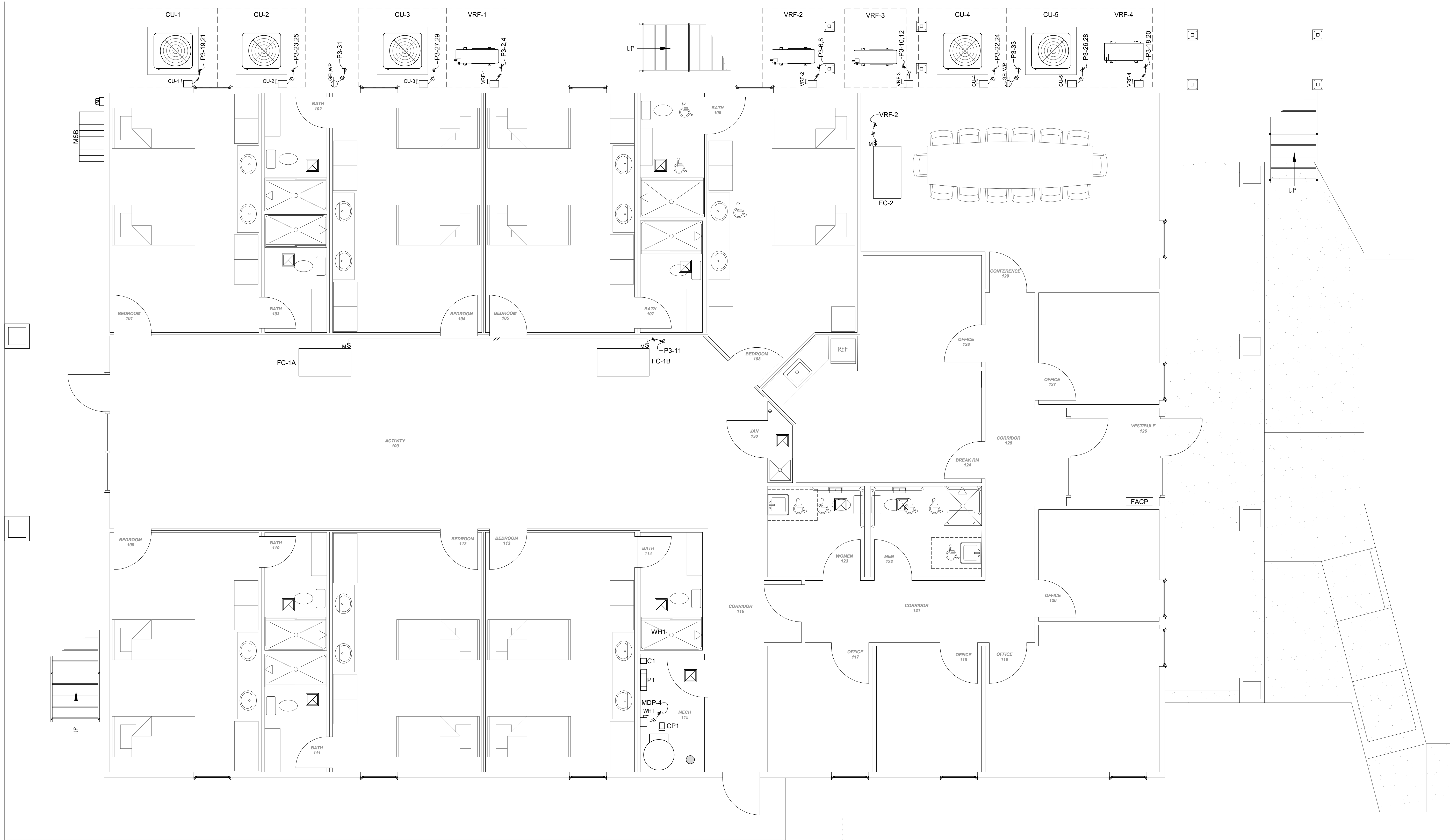
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GENERAL NOTES

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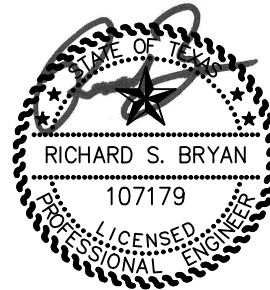


K1

FIRST FLOOR PLAN - HVAC POWER

1/4" = 1'-0"

MCCATHREN ARCHITECTS, LLC
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10-9-2025

BUFFALO GAP ROAD
ABILENE, TEXAS 79606
BRYAN PARKS & ASSOCIATES, INC.
TX 00352327951 4400



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MINISTRIES, INC.
ABILENE, TEXAS

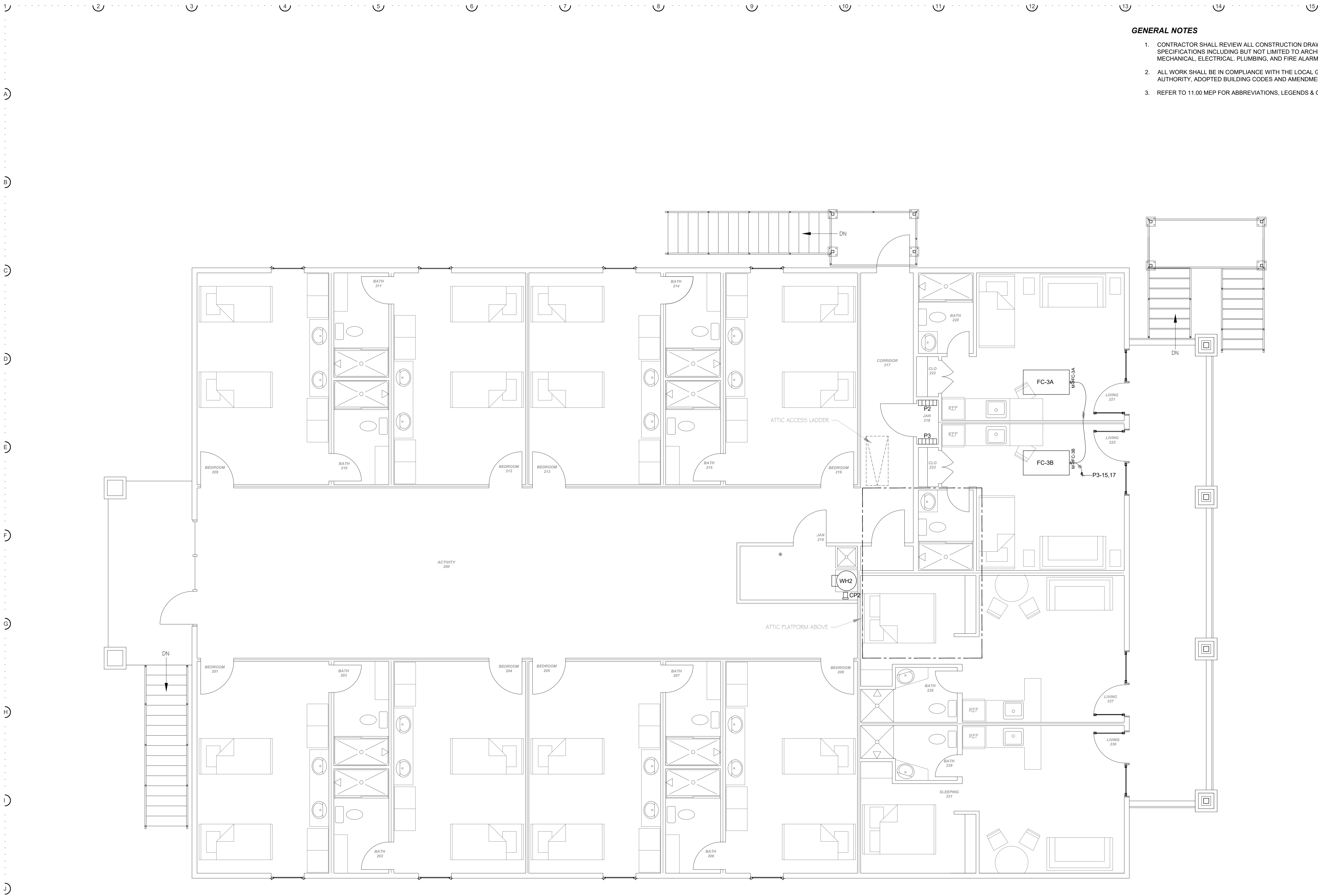
10-9-2025

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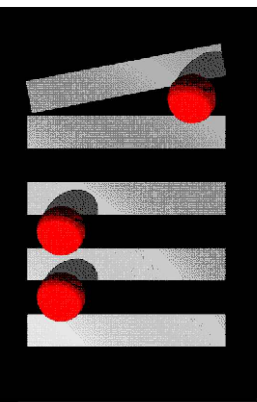
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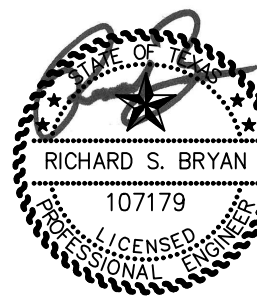


GENERAL NOTES

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3. REFER TO 11.00 MEP FOR ABBREVIATIONS, LEGENDS & GENERAL NOTES.



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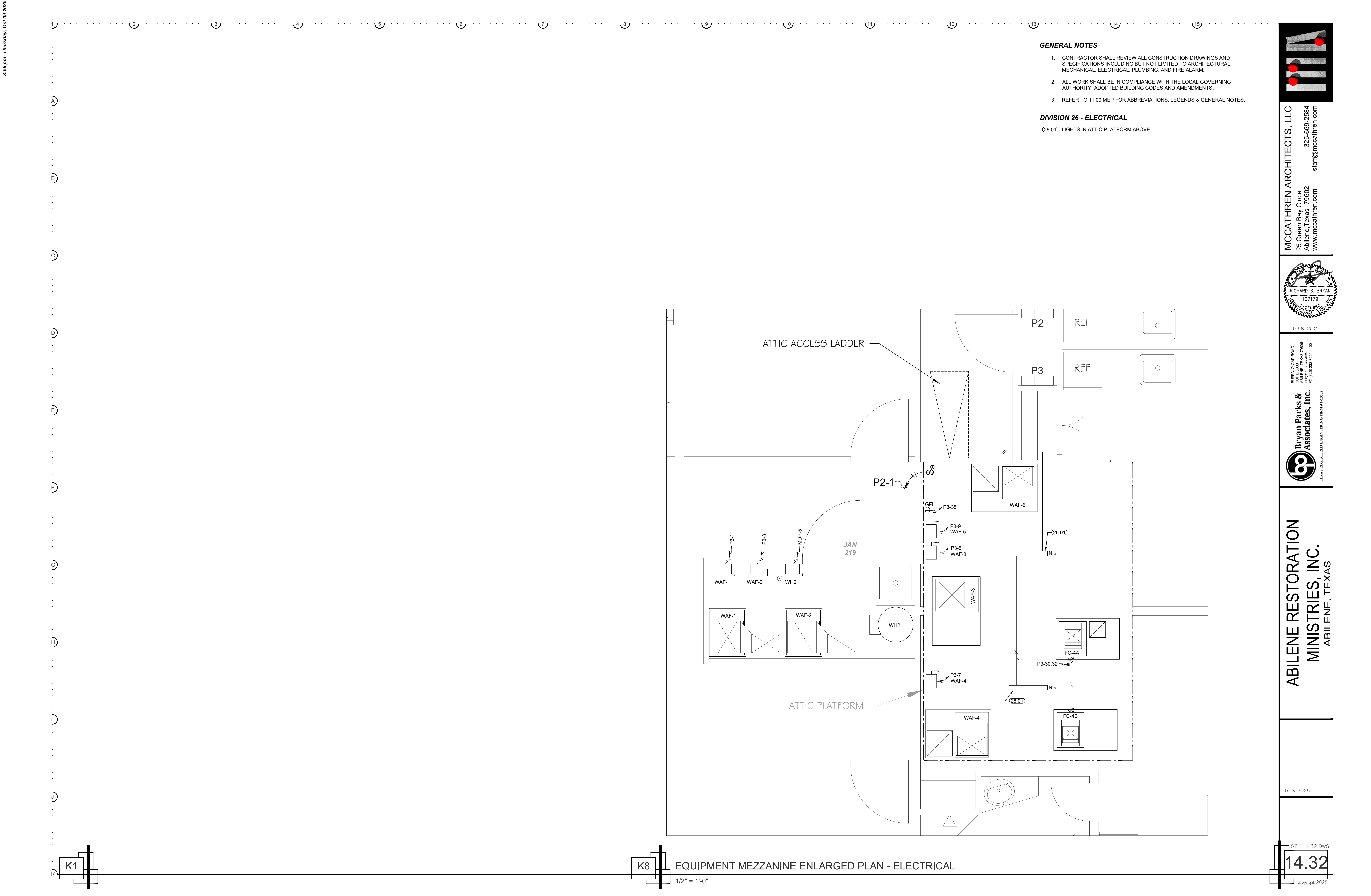
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SECOND FLOOR PLAN - HVAC POWER

1/4" = 1'-0"



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1. CONTRACTOR SHALL REVIEW ALL CONSTRUCTION DRAWINGS AND SPECIFICATIONS INCLUDING BUT NOT LIMITED TO ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE ALARM.
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3. REFER TO 11.00 MEP FOR ABBREVIATIONS, LEGENDS & GENERAL NOTES.

DIVISION 26 - ELECTRICAL

- (26.01)** ELECTRICAL CONTRACTOR SHALL COORDINATE METER AND CT REQUIREMENTS WITH ELECTRIC UTILITY COMPANY.
- (26.02)** ELECTRICAL CONTRACTOR SHALL PROVIDE THE FOLLOWING PER NEC 250-50. REFER GROUNDING ELECTRODE SYSTEM DETAIL.
- A) REBAR ADJACENT TO SERVICE ENTRANCE.
 - B) DRIVEN 3/4"x10'-0" COPPER WELD ROD.
 - C) RIGID FRAME STEEL.
 - D) METAL UNDERGROUND WATER PIPE.

AEP TEXAS RESPONSIBILITIES

1. INSTALL 120/208V 150 KVA TOTAL OVERHEAD TRANSFORMER
2. INSTALL & TERMINATE CABLES FROM POLE MOUNTED TRANSFORMER TO CT CABINET
3. PROVIDE CT'S AND BILLING METER CAN

ELECTRICAL CONTRACTOR RESPONSIBILITIES

1. INSTALL (2) 4" GRAY PVC ELECTRICAL GRADE SCHEDULE 40 CONDUIT FROM THE POLE MOUNTED TRANSFORMER POLE TO THE CT CABINET, WITH ANY STUB OUTS BEING SCHEDULE 80 CONDUIT ABOVE GROUND.
2. OPEN AND CLOSE DITCH LINES WITH 36" OF COVER OVER THE CONDUIT FROM POLE MOUNTED TRANSFORMER TO CT CABINET. THE DITCH LINES WILL NEED TO BE INSPECTED BY AEP BEFORE COVERING UP THE CONDUIT. A PULL STRING WILL NEED TO BE INSTALLED IN EACH CONDUIT AND INSTALL RED CAUTION TAPE APPROXIMATELY 1' ABOVE CONDUIT.
3. INSTALL (2) 4" ELECTRICAL GRADE LONG RADIUS SCHEDULE 40 CONDUITS 6" TO 8" AWAY FROM THE TRANSFORMER POLE.
4. FURNISH & INSTALL CT CABINET TO AEP SPECIFICATIONS.
5. INSTALL CT'S AND BILLING METER CAN SUPPLIED BY AEP



10-9-2025

**BUFFALO GAP ROAD
SUITE 0800
ABILENE, TEXAS 79606
PH:(325) 232-6035
FX:(325) 232-7551 4400**



**ABILENE RESTORATION
MINISTRIES, INC.
ABILENE, TEXAS**

10-9-2025

PANELBOARD										MDP										OUTSIDE									
VOLTAGE (L-L): 208										PHASE A: BLACK										BUS SIZE: 800									
VOLTAGE (L-N): 120										PHASE B: RED										MAINS TYPE: MCB									
PHASE: 3										PHASE C: BLUE										NEMA RATING: 800									
WIRE: 4										NEUTRAL WHITE										NEMA RATING: 3R									
A.I.C. RATING (AMPS): 65k AIC										GROUND GREEN										MOUNTING: SURFACE									
CKT #	DESCRIPTION				LOAD TYPE	BREAKER		LOAD (VA)			COMMENTS																		
						FRAME	SIZE	A	B	C																			
1	PANEL P1					JG	150/3	8,041	8,299	7,938																			
2	PANEL P2					JG	150/3	12,141	11,227	11,226																			
3	PANEL P3					JG	200/3	17,600	17,382	16,084																			
4	WH-1				EH	JG	200/3	17,980	17,980	17,980																			
5	WH-2				EH	JG	90/3	7,988	7,988	7,988																			
6						-	-	-	-	-																			
					TOTAL LOAD (VA):			63,750	62,876	61,216																			
					TOTAL LOAD (AMPS):			531	524	510																			
LOAD TYPE										NEC	CONNECTED VA	DEMAND FACTOR	EST. DEMAND	NOTES:															
L LIGHTING										220.14	7711	1.25	9639	1) SERVICE RATED PANELBOARD.															
R RECEPTACLE										220.44	50621	NEC	30311	2)															
M MOTOR										220.50	720	1	720	3)															
SP SMOKE PURGE										220.50	0	1	0	4)															
FP FIRE PUMP										220.50	0	1	0	5)															
E ELEVATOR										220.50	0	1	0	6)															
K KITCHEN										220.56	0	1	0	7)															
H HVAC										220.60	50525	1	50525	8)															
EH ELECTRIC HEAT										220.51	77904	1	77904	9)															
MISC MISCELLANEOUS										-	360	1	360	10)															
CONNECTED (VA):										187842	DEMAND (VA):	169459	11)																
CONNECTED (AMPS):										522	DEMAND (AMPS):	471	12)																

PANEL NAME: P2										LOCATION: 218									
VOLTAGE (L-L): 208					PHASE A: BLACK					BUS SIZE: 225									
VOLTAGE (L-N): 120					PHASE B: RED					MAINS TYPE: MLO									
PHASE: 3					PHASE C: BLUE					MAINS RATING: 150									
WIRE: 4					NEUTRAL WHITE					NEMA RATING: 1									
A.I.C. RATING (AMPS): 22k AIC					GROUND GREEN					MOUNTING: FLUSH									

CKT #	DESCRIPTION	LOAD TYPE	BREAKER		LOAD (VA)			DESCRIPTION	LOAD TYPE	BREAKER		CKT	
			AMPS	POLES	A	B	C			AMPS	POLES		
1	LIGHTING	L	20	1	592	1,080		RECEPTACLES - 200 ACTIVITY, 209 BEDROOM	R	20	1	2	
3	LIGHTING	L	20	1		745	1,080	RECEPTACLES - 200 ACTIVITY, 212 BEDROOM	R	20	1	4	
5	LIGHTING	L	20	1			1,086	1,080	RECEPTACLES - 200 ACTIVITY, 213 BEDROOM	R	20	1	6
7	LIGHTING	L	20	1	1,649	1,080	41	RECEPTACLES - 200 ACTIVITY, 216 BEDROOM	R	20	1	8	
9	LIGHTING	L	20	1		601	1,080	RECEPTACLES - 200 ACTIVITY, 201 BEDROOM	R	20	1	10	
11	SPARE		20	1			-	1,080	RECEPTACLES - 200 ACTIVITY, 204 BEDROOM	R	20	1	12
13	SPARE		20	1	-	1,080		RECEPTACLES - 200 ACTIVITY, 205 BEDROOM	R	20	1	14	
15	RECEPTACLES - 220 BATH	R	20	1		180	1,080	RECEPTACLES - 200 ACTIVITY, 208 BEDROOM	R	20	1	16	
17	RECEPTACLES - 221 LIVING	R	20	1			720	1,200	RECEPTACLE - 221 LIVING	R	20	1	18
19	RECEPTACLES - 221 LIVING	R	20	1	1,200	1,200		RECEPTACLES - 221 LIVING	R	20	1	20	
21	RECEPTACLES - 225 LIVING	R	20	1		1,200	1,200	RECEPTACLES - 225 LIVING	R	20	1	22	
23	RECEPTACLES - 225 LIVING	R	20	1			1,200	720	RECEPTACLES - 225 LIVING	R	20	1	24
25	RECEPTACLES - 200 ACTIVITY, 217 CORRIDOR, 218 JAN	R	20	1	720	180		RECEPTACLES - 224 BATH	R	20	1	26	
27	RECEPTACLES - 200 ACTIVITY, 226 SLEEPING	R	20	1		900	180	RECEPTACLE - 228 BATH	R	20	1	28	
29	RECEPTACLE - 227 LIVING	R	20	1			1,200	1,200	RECEPTACLE - 227 LIVING	R	20	1	30
31	RECEPTACLE - 227 LIVING	R	20	1	1,200	720		RECEPTACLES - 227 LIVING	R	20	1	32	
33	RECEPTACLE - 230 LIVING	R	20	1		1,200	1,200	RECEPTACLE - 230 LIVING	R	20	1	34	
35	RECEPTACLE - 230 LIVING	R	20	1			1,200	180	RECEPTACLE - 229 BATH	R	20	1	36
37	RECEPTACLE - 230 LIVING	R	20	1	720	720		RECEPTACLE - 231 SLEEPING	R	20	1	38	
39	RECEPTACLE - OUTSIDE	R	20	1		180	360	RECEPTACLE - 219 JAN - CP2	M	20	1	40	
41	RECEPTACLES - 200 ACTIVITY - TV'S	R	20	1			360	-	SPARE		20	1	42
43	SPARE		20	1	-	-			SPARE		20	1	44
45	SPARE		20	1		-	-		SPARE		20	1	46
47	SPARE		20	1			-	-	SPARE		20	1	48
49	SPARE		20	1	-	-			SPARE		20	1	50
51	SPARE		20	1		-	-		SPARE		20	1	52
53	SPARE		20	1			-	-	SPARE		20	1	54
55	SPACE ONLY		-	-	-	-			SPACE ONLY		-	-	56
57	SPACE ONLY		-	-		-	-		SPACE ONLY		-	-	58
59	SPACE ONLY		-	-			-	-	SPACE ONLY		-	-	60
			TOTAL LOAD (VA):		12,141		11,227		11,226				
			TOTAL LOAD (AMPS):		101		94		94				

LOAD TYPE	NEC	CONNECTED VA	DEMAND FACTOR	EST. DEMAND	NOTES:
R LIGHTING	220.14	4672	1.25	5841	1)
R RECEPTACLE	220.44	29561	1	29561	2)
M MOTOR	220.50	360	1	360	3)
SP SMOKE PURGE	220.50	0	1	0	4)
FP FIRE PUMP	220.50	0	1	0	5)
E ELEVATOR	220.50	0	1	0	6)
K KITCHEN	220.56	0	1	0	7)
H HVAC	220.60	0	1	0	8)
EH ELECTRIC HEAT	220.51	0	1	0	9)
MISC MISCELLANEOUS	-	0	1	0	10)
CONNECTED (VA):		34593	DEMAND (VA):		35762
CONNECTED (AMPS):		96	DEMAND (AMPS):		99
					11)
					12)

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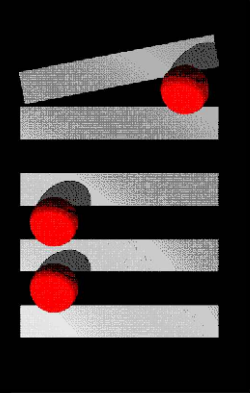
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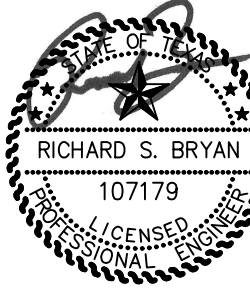
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LIGHTING CONTROL POINTS LIST										
ROOM NO.	ROOM NAME	WALL SWITCH	ZONE(S)	WALL SWITCH FUNCTION			SENSOR LOCATION & TYPE		TECHNOLOGY	
				ON/OFF	DIMMING 0-10V.	OCCUPANCY / VACANCY	WALL / CEILING	OCCUPANCY / VACANCY	PIR	DUAL TECH
100	ACTIVITY	SWITCH'S	a	x	X	-	CEILING	OCCUPANCY	X	-
101	BEDROOM	SWITCH	b	x	X	-	-	-	-	-
101	BEDROOM - VANITY	SWITCH	c	x	-	-	-	-	-	-
102	BATH - LIGHT	SWITCH	d	x	-	-	-	-	-	-
102	BATH - FAN	SWITCH	e	x	-	-	-	-	-	-
103	BATH - LIGHT	SWITCH	f	X	-	-	-	-	-	-
103	BATH - FAN	SWITCH	g	X	-	-	-	-	-	-
104	BEDROOM	SWITCH	h	X	X	-	-	-	-	-
104	BEDROOM - VANITY	SWITCH	j	X	-	-	-	-	-	-
105	BEDROOM	SWITCH	k	X	X	-	-	-	-	-
105	BEDROOM - VANITY	SWITCH	l	X	-	-	-	-	-	-
106	BATH - LIGHT	SWITCH	m	X	-	-	-	-	-	-
106	BATH - FAN	SWITCH	n	X	-	-	-	-	-	-
107	BATH - LIGHT	SWITCH	o	X	-	-	-	-	-	-
107	BATH - FAN	SWITCH	p	X	-	-	-	-	-	-
108	BEDROOM	SWITCH	r	X	X	-	-	-	-	-
108	BEDROOM - VANITY	SWITCH	s	X	-	-	-	-	-	-
109	BEDROOM	SWITCH	t	X	X	-	-	-	-	-
109	BEDROOM - VANITY	SWITCH	u	X	-	-	-	-	-	-
110	BATH - LIGHT	SWITCH	v	X	-	-	-	-	-	-
110	BATH - FAN	SWITCH	w	X	-	-	-	-	-	-
111	BATH - LIGHT	SWITCH	y	X	-	-	-	-	-	-
111	BATH - FAN	SWITCH	z	X	-	-	-	-	-	-
112	BEDROOM	SWITCH	b	X	X	-	-	-	-	-
112	BEDROOM - VANITY	SWITCH	a	X	-	-	-	-	-	-
113	BEDROOM	SWITCH	c	X	X	-	-	-	-	-
113	BEDROOM - VANITY	SWITCH	d	X	-	-	-	-	-	-
114	BATH - LIGHT	SWITCH	e	X	-	-	-	-	-	-
114	BATH - FAN	SWITCH	f	X	-	-	-	-	-	-
115	MECH	SWITCH	g	X	-	-	-	-	-	-
116	CORRIDOR	SWITCHES	a	X	X	-	CEILING	OCCUPANCY	X	-
117	OFFICE	SWITCH	h	X	X	-	CEILING	VACANCY	X	-
118	OFFICE	SWITCH	j	X	X	-	CEILING	VACANCY	X	-
119	OFFICE	SWITCH	k	X	X	-	CEILING	VACANCY	X	-
120	OFFICE	SWITCH	l	X	X	-	CEILING	VACANCY	X	-
121	CORRIDOR	SWITCHES	y	X	-	-	CEILING	OCCUPANCY	X	-
122	MEN - LIGHT	SWITCH	m	X	-	-	CEILING	OCCUPANCY	-	X
122	MEN - FAN	SWITCH	n	X	-	-	-	-	-	-
123	WOMEN - LIGHT	SWITCH	o	X	-	-	CEILING	OCCUPANCY	-	X
123	WOMEN - FAN	SWITCH	p	X	-	-	-	-	-	-
124	BREAK ROOM	SWITCH	r	X	X	-	CEILING	VACANCY	X	-
125	CORRIDOR	SWITCHES	y	X	-	-	CEILING	OCCUPANCY	X	-
126	VESTIBULE	SWITCHES	y	X	-	-	CEILING	OCCUPANCY	X	-
127	OFFICE	SWITCH	s	X	X	-	CEILING	OCCUPANCY	X	-
128	OFFICE	SWITCH	t	X	X	-	CEILING	OCCUPANCY	X	-
129	CONFERENCE	SWITCH	u	X	X	-	CEILING	OCCUPANCY	X	-
129	CONFERENCE	SWITCH	v	X	X	-	CEILING	OCCUPANCY	X	-
130	JAN - LIGHT	SWITCH	w	X	-	VACANCY	-	-	X	-
130	JAN - FAN	SWITCH	x	X	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
200	ACTIVITY	SWITCHES	a	X	X	-	CEILING	OCCUPANCY	X	-
201	BEDROOM	SWITCH	b	X	X	-	-	-	-	-
201	BEDROOM - VANITY	SWITCH	c	X	-	-	-	-	-	-
202	BATH - LIGHT	SWITCH	d	X	-	-	-	-	-	-
202	BATH - FAN	SWITCH	e	X	-	-	-	-	-	-
203	BATH - LIGHT	SWITCH	f	X	-	-	-	-	-	-
203	BATH - FAN	SWITCH	g	X	-	-	-	-	-	-
204	BEDROOM	SWITCH	j	X	X	-	-	-	-	-
204	BEDROOM - VANITY	SWITCH	h	X	-	-	-	-	-	-
205	BEDROOM	SWITCH	k	X	X	-	-	-	-	-
205	BEDROOM - VANITY	SWITCH	l	X	-	-	-	-	-	-
206	BATH -LIGHT	SWITCH	m	X	-	-	-	-	-	-
206	BATH - FAN	SWITCH	n	X	-	-	-	-	-	-
207	BATH - LIGHT	SWITCH	o	X	-	-	-	-	-	-
207	BATH - FAN	SWITCH	p	X	-	-	-	-	-	-
208	BEDROOM	SWITCH	s	X	X	-	-	-	-	-
208	BEDROOM - VANITY	SWITCH	r	X	-	-	-	-	-	-
209	BEDROOM	SWITCH	t	X	X	-	-	-	-	-
209	BEDROOM - VANITY	SWITCH	u	X	-	-	-	-	-	-
210	BATH - LIGHT	SWITCH	v	X	-	-	-	-	-	-
210	BATH - FAN	SWITCH	w	X	-	-	-	-	-	-
211	BATH - LIGHT	SWITCH	a	X	-	-	-	-	-	-
211	BATH - FAN	SWITCH	b	X	-	-	-	-	-	-
212	BEDROOM	SWITCH	d	X	X	-	-	-	-	-
212	BEDROOM - VANITY	SWITCH	c	X	-	-	-	-	-	-
213	BEDROOM	SWITCH	e	X	X	-	-	-	-	-
213	BEDROOM - VANITY	SWITCH	f	X	-	-	-	-	-	-
214	BATH - LIGHT	SWITCH	g	X	-	-	-	-	-	-
214	BATH - FAN	SWITCH	h	X	-	-	-	-	-	-
215	BATH - LIGHT	SWITCH	j	X	-	-	-	-	-	-
215	BATH - FAN	SWITCH	k	X	-	-	-	-	-	-
216	BEDROOM	SWITCH	m	X	X	-	-	-	-	-
216	BEDROOM - VANITY	SWITCH	l	X	-	-	-	-	-	-
217	CORRIDOR	SWITCHES	n	X	-	-	CEILING	OCCUPANCY	X	-
218	JAN	SWITCH	o	X	-	VACANCY	-	-	X	-
219	JAN	SWITCH	p	X	-	-	-	-	-	-
-	CLOSET	SWITCH	q	X	-	VACANCY	-	-	X	-
220	BATH - LIGHT	SWITCH	r	X	-	-	-	-	-	-
220	BATH - FAN	SWITCH	s	X	-	-	-	-	-	-
221	LIVING - LIGHING	SWITCH	t	X	X	-	-	-	-	-
221	LIVING - FAN 1	SWITCH	u	X	-	-	-	-	-	-
222	CLO	SWITCH	v	X	-	-	-	-	-	-
223	CLO	SWITCH	w	X	-	-	-	-	-	-
224	BATH - LIGHT	SWITCH	x	X	-	-	-	-	-	-
224	BATH - FAN	SWITCH	y	X	-	-	-	-	-	-
225	LIVING - LIGHING	SWITCH	a	X	X	-	-	-	-	-
225	LIVING - FAN 1	SWITCH	b	X	-	-	-	-	-	-
226	SLEEPING - FAN 2	SWITCH	c	X	X	-	-	-	-	-
227	LIVING - LIGHING	SWITCH	d	X	X	-	-	-	-	-
227	LIVING - FAN 1	SWITCH	e	X	-	-	-	-	-	-
228	BATH - LIGHT	SWITCH	f	X	-	-	-	-	-	-
228	BATH - FAN	SWITCH	g	X	-	-	-	-	-	-
229	BATH - LIGHT	SWITCH	h	X	-	-	-	-	-	-
229	BATH - FAN	SWITCH	j	X	-	-	-	-	-	-
230	LIVING - LIGHING	SWITCH	k	X	X	-	-	-	-	-
230	LIVING - FAN 1	SWITCH	l	X	-	-	-	-	-	-
231	SLEEPING - FAN 2	SWITCH	m	X	X	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

LIGHTING FIXTURE SCHEDULE									
MARK	MANUFACTURER	MODEL	LUMENS	CCT	CRI	DESCRIPTION	VOLTAGE	INPUT WATTS	NOTES
A	NULITE LIGHTING	SRO-11-20-L35-D-1-1XX-HW-048-12FT	1103 LM/FT	3500	80	12'-0" PENDANT	120	104	3.4
B	METALUX	4AWWS-L3C3-UNV-3500K-LOW	4254	3500	80	4' SELECTABLE LUMENS AND CCT SURFACE WRAP	120	32.2	-
C	METALUX	2AWWS-L3C3-UNV-3500K-HI	3140	3500	80	2' SELECTABLE LUMENS AND CCT SURFACE WRAP	120	26.2	-
CE	METALUX	2AWWS-L3C3-UNV-3500K-HI-EL14W	3140	3500	80	2' SELECTABLE LUMENS AND CCT SURFACE WRAP	120	26.2	1
D	METALUX	2AWWS-L3C3-UNV-3500K-LOW	2313	3500	80	2' SELECTABLE LUMENS AND CCT SURFACE WRAP	120	18.2	-
DE	METALUX	2AWWS-L3C3-UNV-3500K-LOW-EL14W	2313	3500	80	2' SELECTABLE LUMENS AND CCT SURFACE WRAP	120	18.2	1
EXIT	SURE-LITES	APC7RG	-	-	-	EXI SIGN AND EMERGENCY	120	2.01	2
G	PORTFOLIO	LD6C20D010 EU6C209035 6LBWH	2000	3500	90	6" DOWNLIGHT	120	21.8	-
GE	PORTFOLIO	LD6C20D010 EU6C209035 6LBWH EM7	2000	3500	90	6" DOWNLIGHT	120	21.8	1
H	PORTFOLIO	LD6A10835D010TE LAR35FL 6LAL	1000	3500	80	6" ADJUSTABLE SLOPE	120	13.8	-
HE	PORTFOLIO	LD6A10835D010TE LAR35FL 6LAL EM14W	1000	3500	80	6" ADJUSTABLE SLOPE	120	13.8	1
J	HALO	SMX14RLSFS010-2000LM-3500K	2345	3500	90	14" EDGELESS SURFACE MOUNT DOWN LED LIGHT	120	26.1	-
K	HALO	SMX6RLSFS010-1200LM-3500K	1267.1	3500	90	6" EDGELESS SURFACE MOUNT DOWN LED LIGHT	120	12.4	-
ME	MCGRAW-EDISON	GKO-PB1B-740-U-T4W-CBP	1450	4000	70	WALL MOUNT LUMINAIRE	120	9.3	1.3
N	METALUX	2SNLED-LD5-30HL-LW-UNV-L835-CD1-U	2975	3500	80	LENSED LED STRIP RONUND	120	27	-
F52L	HARBOR BREEZE	SAILOR BAY, RLG52MBK5L	600	3500	80	52-INCH CEILING FAN WITH (3) LED BULBS LIGHT KIT	120	41	4
F52	HARBOR BREEZE	CYPRESS POINT, CPR52MBK5	N/A	N/A	N/A	52-INCH CEILING FAN NO LIGHT KIT	120	38	4
NOTES: 1) LIGHT FIXTURE AS NOTED ON LIGHTING PLAN SHALL BE EQUIPPED WITH EMERGENCY BATTERY PACK ALLOWING FIXTURE TO OPERATE UPON LOSS OF NORMAL POWER FOR A MINIMUM OF 90 MINUTES. 2) EXIT SIGN SHALL BE EQUIPPED WITH EMERGENCY BATTERY PACK ALLOWING FIXTURE TO OPERATE UPON LOSS OF NORMAL POWER FOR A MINIMUM OF 90 MINUTES. 3) COORDINATE LIGHT FIXTURE COLORS WITH ARCHITECT. 4) COORDINATE LIGHT FIXTURE HARDWARE AND FINISH WITH ARCHITECT.									



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staf@mccathren.com



10-9-2025

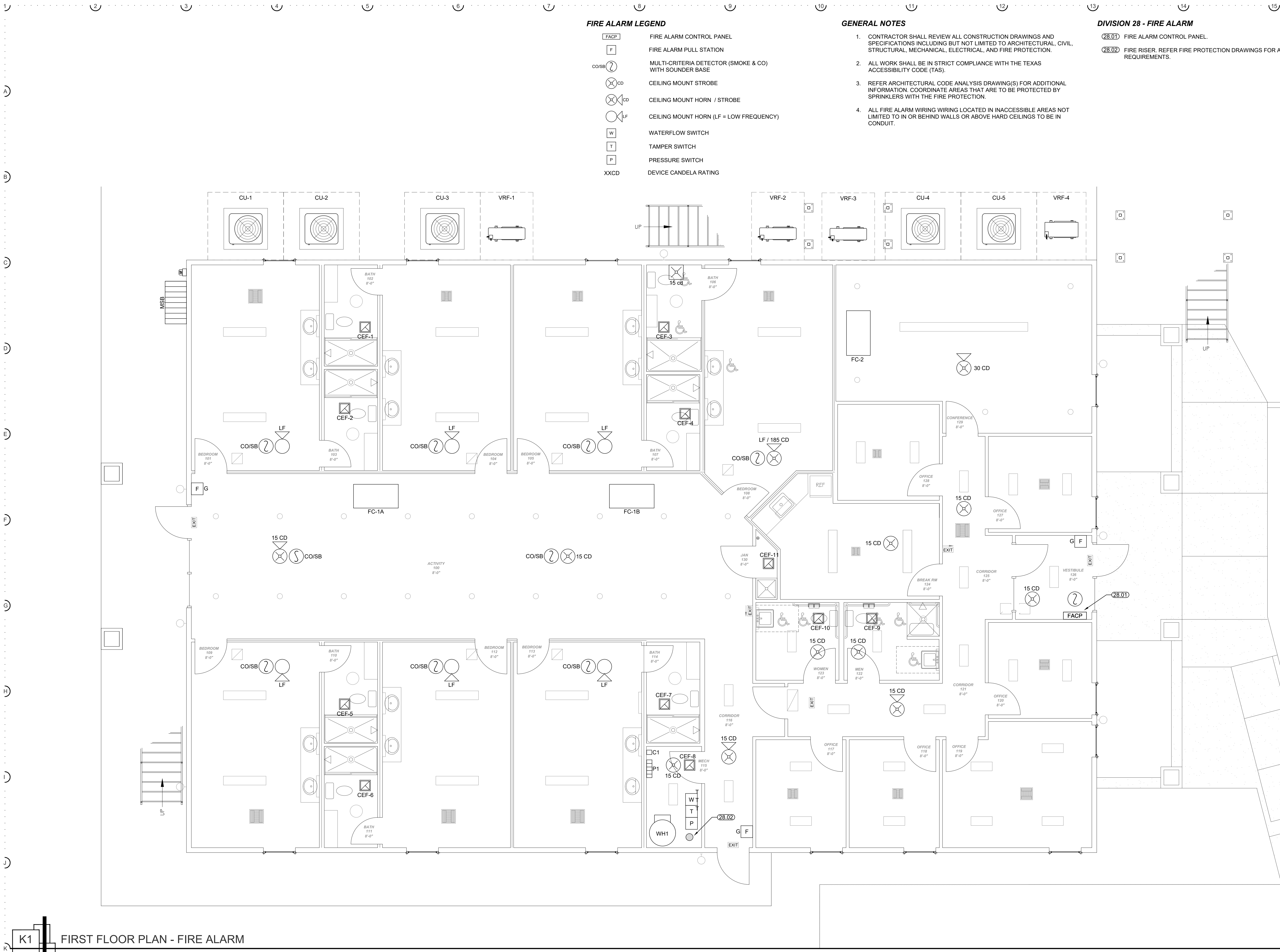
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Bryan Parks &
Associates, Inc.
TEXAS REGISTERED ENGINEERING FIRM # F15962

ABILENE RESTORATION
MINISTRIES, INC.
ABILENE, TEXAS

10-9-2025

NTS

8:57 pm Thursday, Oct 09 2025



FIRE ALARM LEGEND

- FACP FIRE ALARM CONTROL PANEL
- F FIRE ALARM PULL STATION
- CO/SD MULTI-CRITERIA DETECTOR (SMOKE & CO) WITH SOUNDER BASE
- CD CEILING MOUNT STROBE
- CD CEILING MOUNT HORN / STROBE
- LF CEILING MOUNT HORN (LF = LOW FREQUENCY)
- W WATERFLOW SWITCH
- T TAMPER SWITCH
- P PRESSURE SWITCH
- XXCD DEVICE CANDELA RATING

GENERAL NOTES

- CONTRACTOR SHALL REVIEW ALL CONSTRUCTION DRAWINGS AND SPECIFICATIONS INCLUDING BUT NOT LIMITED TO ARCHITECTURAL, CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, AND FIRE PROTECTION.
- ALL WORK SHALL BE IN STRICT COMPLIANCE WITH THE TEXAS ACCESSIBILITY CODE (TAS).
- REFER ARCHITECTURAL CODE ANALYSIS DRAWING(S) FOR ADDITIONAL INFORMATION. COORDINATE AREAS THAT ARE TO BE PROTECTED BY SPRINKLERS WITH THE FIRE PROTECTION.
- ALL FIRE ALARM WIRING LOCATED IN INACCESSIBLE AREAS NOT LIMITED TO IN OR BEHIND WALLS OR ABOVE HARD CEILINGS TO BE IN CONDUIT.

DIVISION 28 - FIRE ALARM

- (28.01) FIRE ALARM CONTROL PANEL.
- (28.02) FIRE RISER. REFER FIRE PROTECTION DRAWINGS FOR ADDITIONAL REQUIREMENTS.

K1 FIRST FLOOR PLAN - FIRE ALARM
1/4" = 1'-0"

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10-9-2025

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TX REG. ENGINEERING FIRM # F1592

ABILENE RESTORATION
MINISTRIES, INC.
ABILENE, TEXAS

10-9-2025

571-15-10.DWG
15.10
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GENERAL NOTES

1. CONTRACTOR SHALL REVIEW ALL CONSTRUCTION DRAWINGS AND SPECIFICATIONS INCLUDING BUT NOT LIMITED TO ARCHITECTURAL, CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, AND FIRE PROTECTION.
2. ALL WORK SHALL BE IN STRICT COMPLIANCE WITH THE TEXAS ACCESSIBILITY CODE (TAS).
3. REFER ARCHITECTURAL CODE ANALYSIS DRAWING(S) FOR ADDITIONAL INFORMATION. COORDINATE AREAS THAT ARE TO BE PROTECTED BY SPRINKLERS WITH THE FIRE PROTECTION.
4. ALL FIRE ALARM WIRING WIRING LOCATED IN INACCESSIBLE AREAS NOT LIMITED TO IN OR BEHIND WALLS OR ABOVE HARD CEILINGS TO BE IN CONDUIT.

