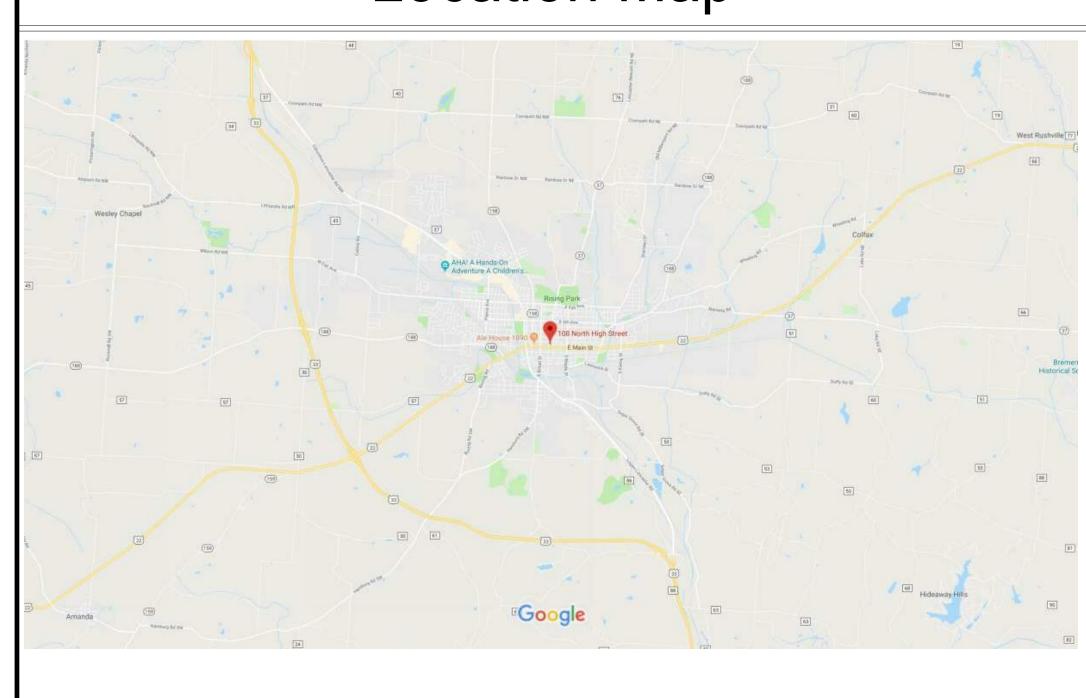
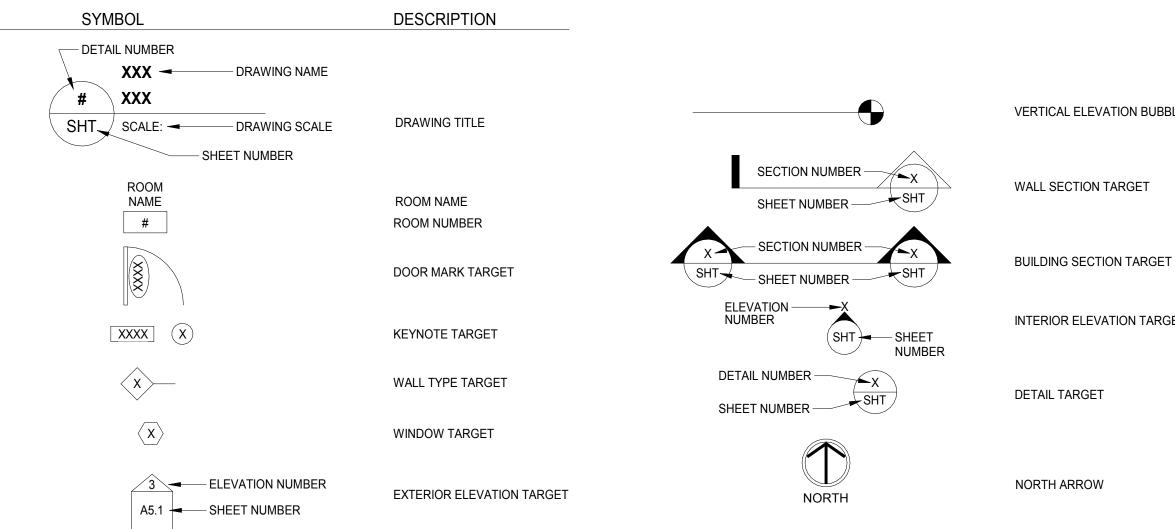
Abbreviations SCHEDULE ASBESTOS CONTAINING MATERIAL **GAUGE** GALV GALVANIZED SQUARE FEET ACOUSTICAL CEILING PANEL AMERICANS WITH DISABILITIES ACT **GROSS SQUARE FEET** SIMILAR STC SOUND TRANSMISSION CLASS ABOVE FINISH FLOOR GYPSUM WALLBOARD STEEL ALUMINUM ALTERNATE **HOLLOW METAL** HORIZONTAL **TYPICAL** CONTROL JOINT HOUR(S) CONCRETE MASONRY UNIT **UNLESS OTHERWISE NOTED** COLUMN INSULATED CONCRETE UNDERWRITERS LABORATORY UL CARPET **CERAMIC TILE** CONTINUOUS LAVATORY VCB VINYL COVE BASE VCT VINYL COMPOSITION TILE VERTICAL **VERT** DIAMETER MAXIMUM DIMENSION(S) MINIMUM MINUTES WITH DRAWING WC WATER CLOSET MANUFACTURER WOOD METAL NOT IN CONTACT **ELEVATION EQUAL** NUMBER ELECTRIC WATER COOLER NOMINAL **EXISTING** NOT TO SCALE EXISTING, PAINT **EXISTING** ON CENTER **OUTSIDE DIAMETER**

OPPOSITE

PREFINISHED

Location Map





General Notes

- A. CONTRACTOR IS RESPONSIBLE TO CONFORM WITH APPLICABLE FEDERAL, STATE, AND LOCAL CODES AND REGULATIONS INCLUDING APPLICABLE ORDINANCES AND REFERENCED STANDARDS.
- B. CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO SUBMITTING A BID OR BEGINNING ANY WORK. CONDITIONS FOUND TO BE IN VARIANCE FROM THE INFORMATION IN THE DRAWINGS OR PROJECT MANUAL SHALL BE SUBMITTED TO THE ARCHITECT IN WRITING FOR CLARIFICATION.
- C. KEY NOTES ARE MEANT AS A GENERAL GUIDE FOR TYPICAL LOCATIONS. CONTRACTOR TO PERFORM FULL EXTENT OF WORK REQUIRED TO ACCOMPLISH DESIGN INTENT
- D. SPECIFIC WORK ITEMS SHALL BE COORDINATED AND INTERFACED WITH ALL OTHER TRADES TO ALLOW FOR NEW CONSTRUCTION AND COMPLETE INSTALLATION AS REQUIRED TO ACCOMPLISH DESIGN
- . REFER TO DRAWINGS OF EACH TRADE OR DISCIPLINE FOR ADDITIONAL GENERAL NOTES AND INFORMATION, INCLUDING CIVIL/SITE DEVELOPMENT, ARCHITECTURAL, STRUCTURAL, MECHANICAL,
- F. CONTRACTOR IS RESPONSIBLE FOR ALL WORK IDENTIFIED ON ALL DRAWINGS AND INFORMATION IN THE PROJECT MANUAL, AS A COMPLETE PROJECT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE SPECIFIC SCOPE OF WORK FOR ANY SUBCONTRACTORS FOR THIS PROJECT.
- G. FIELD VERIFY ACTUAL LOCATIONS OF EXISTING UNDERGROUND UTILITIES, STRUCTURES, WATER LINES, STORM AND SANITARY LINES, GAS LINES, ELECTRICAL CONDUIT, AND OTHER UNDERGROUND UTILITIES PRIOR TO PERFORMING EARTHWORK, EXCAVATION, OR UTILITY WORK, ENGAGE THE SERVICES OF A PRIVATE UTILITY LOCATE COMPANY IF NECESSARY TO COMPLETELY LOCATE EXISTING UNDERGROUND UTILITIES AND STRUCTURES.
- H. LOCATION OF ALL TEMPORARY FACILITIES SHALL BE COORDINATED WITH OWNER AND ARCHITECT PRIOR TO MOBILIZATION ON-SITE, INCLUDING BUT NOT LIMITED TO TEMPORARY STAGING AREA, MATERIAL STORAGE AREA, ACCESS DRIVE(S), PARKING AREA, TOPSOIL STOCKPILE AREA, WASTE DISPOSAL AREA, FIELD OFFICES AND TEMPORARY FACILITIES, JOB SIGN, AND TEMPORARY FENCING.
- I. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL MISCELLANEOUS BLOCKING REQUIRED FOR INSTALLATION OF ALL BUILDING COMPONENTS, INCLUDING BUT NOT LIMITED TO FURNISHINGS, FIXTURES, EQUIPMENT, HARDWARE, BRACKETS, AND OWNER-PROVIDED EQUIPMENT. CONTRACTOR SHALL COORDINATE SPECIFIC REQUIREMENTS ASSOCIATED WITH EACH TRADE AND WITH OWNER'S
- J. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL MISCELLANEOUS WOOD AND METAL TRIM, FLASHING, CLIP ANGLES, ANCHORS, SUPPORTS, AND CLOSURE TRIM REQUIRED TO PROVIDE A COMPLETE, UNIFORM, AND WEATHERTIGHT ASSEMBLY AS REQUIRED TO ACCOMPLISH THE DESIGN INTENT.
- K. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS. CONTRACTOR SHALL PROVIDE AND INSTALL ALL ACCESSORY COMPONENTS AS REQUIRED TO FULLY COMPLY WITH MANUFACTURER'S RECOMMENDATIONS.
- L. CONTRACTOR SHALL PROVIDE ACCESS DOORS IN ALL WALLS AND CEILINGS WHERE SERVICE OR ADJUSTMENT TO MECHANICAL, PLUMBING, FIRE PROTECTION OR ELECTRICAL ITEMS MAY BE REQUIRED. ACCESS DOORS SHALL BE OF AN APPROPRIATE SIZE REQUIRED FOR EACH APPLICATION. WHERE APPLICABLE, ACCESS DOORS SHALL MATCH THE FIRE RATING OF THE WALL ASSEMBLY.
- M. WHERE DISCREPANCIES EXIST IN THE CONTRACT DOCUMENTS INCLUDING DISCREPANCIES BETWEEN DRAWINGS AND PROJECT MANUAL, CONTRACTOR SHALL REQUEST CLARIFICATION IN WRITING FROM ARCHITECT. THE CONTRACTOR SHALL NOT ASSUME ANY ITEM TAKES PRECEDENCE OVER THE OTHER. ANY ACTION THE CONTRACTOR MAKES PRIOR TO NOTIFICATION IN WRITING SHALL BE SOLELY AT THE CONTRACTOR'S RISK.
- N. CONTRACTOR SHALL SEAL ALL PENETRATIONS IN EXTERIOR WALL AND ROOF ASSEMBLIES WITH APPROPRIATE JOINT SEALANT(S) AND FLASHING(S) TO MAINTAIN A WEATHERTIGHT AND AIRTIGHT BUILDING ENVELOPE. ALL JOINTS AND PENETRATIONS SHALL BE SEALED, GASKETED, OR WEATHER-STRIPPED TO MINIMIZE AIR LEAKAGE, INCLUDING THE FOLLOWING:
 - 1. JOINTS AROUND FENESTRATION AND DOOR FRAMES. 2. JUNCTIONS BETWEEN WALLS AND FOUNDATIONS, BETWEEN WALLS AT BUILDING CORNERS, BETWEEN WALLS AND FLOORS OR ROOFS, AND BETWEEN WALLS AND ROOF OR WALL PANELS. 3. OPENINGS AT PENETRATIONS OF UTILITY SERVICES THROUGH ROOFS, WALLS, AND FLOORS. 4. JOINTS, SEAMS, AND PENETRATIONS OF VAPOR RETARDERS.
- O. COORDINATE WITH OTHER CONSTRUCTION ACTIVITIES AND CONSTRUCTION SEQUENCING WITH OTHER PROJECT(S) AND WORK BEING PERFORMED CONCURRENTLY ON-SITE,
- P. BUILDING ELEVATION 100'-0" EQUALS SITE ELEVATION 891.15'.

5. ALL OTHER OPENINGS IN THE BUILDING ENVELOPE.

- Q. CONTRACTOR TO PROTECT ALL ITEMS WITHIN THE CONSTRUCTION LIMITS (INCLUDING SITE ELEMENTS) THAT ARE DESIGNATED TO REMAIN; ITEMS DAMAGED AS A RESULT OF WORK PERFORMED UNDER THIS CONTRACT SHALL BE REPAIRED OR REPLACED TO ORIGINAL CONDITION.
- R. ALL PENETRATIONS AND JOINTS IN FIRE-RATED WALL ASSEMBLIES AND FLOOR/CEILING ASSEMBLIES SHALL BE SEALED WITH THE FIRESTOPPING SYSTEM OR FIRE-RESISTIVE JOINT SYSTEM WHICH IS THE MOST APPROPRIATE FOR THE SPECIFIC APPLICATION BASED ON THE TYPE OF ASSEMBLY AND TYPE OF PENETRATING ELEMENT. SYSTEMS SHALL BE U.L.-LISTED FOR EACH APPLICATION.
- S. ALL VERTICAL FENESTRATION (OPERABLE AND FIXED GLAZED ASSEMBLIES) SHALL BE LABELED BY THE MANUFACTURER WITH U-FACTOR, SHGC RATING, SAFETY RATING, AND FIRE-RESISTANCE RATING, WHERE APPLICABLE. WINDOWS AND DOORS SHALL BE CERTIFIED AS MEETING AIR LEAKAGE REQUIREMENTS PER NFRC 400.
- T. THESE DRAWINGS SHALL NOT BE SCALED TO OBTAIN DIMENSIONS. IF THE DIMENSIONS CANNOT BE DETERMINED BY THE INFORMATION GIVEN, CONTRACTOR SHALL REQUEST CLARIFICATION FROM
- U. REFER TO THIS SHEET FOR ARCHITECTURAL ABBREVIATIONS.
- V. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL NECESSARY DEWATERING ACTIVITIES AS PART OF THE BASE BID AMOUNT.

Drawing Index

SYMBOL	DESCRIPTION		
CONTRACT DETAIL NUMBER			
XXX - DRAWING NAME			
(* XXX			VERTICAL ELEVATION BUBBLE
SHT SCALE: DRAWING SCALE	DRAWING TITLE		VERTICAL ELEVATION BUBBLE
SHEET NUMBER			
ROOM		SECTION NUMBER X	WALL SECTION TARGET
NAME	ROOM NAME	SHEET NUMBER SHT	WALE GEOTION TANGET
#	ROOM NUMBER		
		X SECTION NUMBER X	BUILDING SECTION TARGET
	DOOR MARK TARGET	SHT SHEET NUMBER SHT	20.250 0200
		ELEVATION ———X	
[xxxx] (x)	KEYNOTE TARGET	NUMBER SHEET	INTERIOR ELEVATION TARGET
		NUMBER	
<u> </u>	WALL TYPE TARGET	DETAIL NUMBER X	DETAIL TARGET
		SHEET NUMBER SHT	DETAIL TARGET
$\langle \mathbf{x} \rangle$	WINDOW TARGET		
3 ELEVATION NUMBER	EXTERIOR ELEVATION TARGET	NORTH	NORTH ARROW
A5.1 SHEET NUMBER		NORTH	

DOOR & WINDOW DETAILS ROOF PLAN AND DETAILS NORTH & SOUTH EXTERIOR ELEVATIONS EAST & WEST EXTERIOR ELEVATIONS N-S BUILDING SECTIONS E-W BUILDING SECTIONS A7.1 WALL SECTIONS A7.2 SECTION DETAILS INTERIOR ELEVATIONS REFLECTED CEILING PLANS NORTH PORCH ENLARGED PLANS, DETAILS, & WALL SECTIONS NORTH PORCH SECTION DETAILS SOUTH PORCH PLAN, SECTION, AND DETAILS ENLARGED STAIR PLANS, SECTIONS & DETAILS **ELEVATOR SECTIONS & DETAILS** FURNITURE LAYOUT

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FLOOR DRAIN

FIRE EXTINGUISHER

FIRE EXTINGUISHER CABINET

FINISH FLOOR ELEVATION

DWG

CONC

PLUMBING	BASIS	OF	DESIGN	
SANITARY		54	DFU'S	
HOT WATER		11.25	WSFU'S	
COLD WATER		24	WSFU'S	
GAS		559	CFH	

EQUIPMENT ABBREVIATIONS

BFP	BACKFLOW PREVENTER
CB	CATCH BASIN
DET	DOMESTIC WATER EXPANSION TANK
FCO	FLOOR CLEAN OUT
FD	FLOOR DRAIN
<u>GM</u>	GAS METER
HB	HOSE BIBB
LAV	LAVATORY
MB RP	MOP BASIN
<u>RP</u>	RECIRCULATING PUMP
<u>RPZ</u>	REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER
<u>SH</u>	SHOWER
<u>SK</u>	SINK
<u>TP</u>	TRAP PRIMER
SH SK TP TV WC	TEMPERING VALVE
<u>WC</u>	WATER CLOSET
<u>WH</u>	WATER HEATER
<u>WHA</u>	WATER HAMMER ARRESTOR
<u>WM</u>	WATER METER

DRAFTING SYMBOLS

(XX)	KEYNOTES
$\langle\!\!\!\langle x\rangle\!\!\!\rangle$	DEMOLITION KEY NOTES
PX.XX	DETAIL REFERENCE NUMBER SHEET ON WHICH DETAIL IS FOUND DETAIL REFERENCE NUMBER SHEET ON WHICH DETAIL IS FOUND

PLUMBING ABBREVIATIONS

	100/5		
AB	ABOVE	HW	HOT WATER
AFF	ABOVE FINISHED FLOOR	ΙE	INVERT ELEVATION
AFR	ABOVE FINISHED ROOF	IJS	IN JOIST SPACE
AHU	AIR HANDLING UNIT	IN	INCHES
ASC	ABOVE SUSPENDED CEILING	IRTH	INFRARED TUBE HEATER
AVG	AVERAGE	IWS	IN WALL SPACE
BFP	BACKFLOW PREVENTER	LAT	LEAVING AIR TEMPERATURE
BHP	BRAKE HORSE POWER	LBS/LB	POUNDS OR POUND
BL	BELOW	LEC	LAB EQUIPMENT CONTRACTOR
BLDG	BUILDING	MAX	MAXIMUM
BOD	BOTTOM OF DUCT	MB	MOP BASIN
BOP	BOTTOM OF PIPE	MBH	1000 BRITISH THERMAL UNITS PER HOUR
BSMT	BASEMENT	MC	MECHANICAL CONTRACTOR
BTM	BOTTOM	MECH	MECHANICAL
CA	COMPRESSED AIR	MFGR	MANUFACTURER
CAP	CAPACITY	MH	MANHOLE
CB	CATCH BASIN	MIN	MINIMUM
CENT	CENTRIFUGAL	MTD	MOUNTED
CFM	CUBIC FEET PER MINUTE	MTG	MOUNTING
CI	CAST IRON	MUW	MAKE-UP WATER
CLG	CEILING	NA	NOT APPLICABLE
CLO	CLOSET	NC	NORMALLY CLOSED
CO	CLEANOUT	NO	NUMBER OR NORMALLY OPEN
CONC	CONCRETE	NTS	NOT TO SCALE
COND	CONDENSING UNIT	OS&Y	OUTSIDE SCREW & YOKE
CONN	CONNECT	OWS	OIL WATER SEPARATOR
CONST	CONSTANT	PC	PLUMBING CONTRACTOR
CONTR	CONTRACTOR	PD PD	PRESSURE DROP
COTG	CLEANOUT TO GRADE	PIV	POST INDICATING VALVE
CP	CIRCULATING PUMP	PLBG	PLUMBING
CTW	CLOSE TO WALL	PRESS	PRESSURE
CU	COMBINATION UNIT	REQ'D	REQUIRED
CW	COLD WATER	RM	ROOM
DCW	DOMESTIC COLD WATER	RPM	REVOLUTIONS PER MINUTE
DEG	DEGREE	RPZ	REDUCED PRESSURE ZONE
DEG	DRINKING FOUNTAIN	SA	SHOCK ABSORBER
DHW	DOMESTIC HOT WATER	SAN	SANITARY
DHWR	DOMESTIC HOT WATER RETURN	SF	SILL FAUCET
DIA	DIAMETER	SH	SHOWER
DISCH	DISCHARGE		SHEET METAL
DN	DOWN	SP	STATIC PRESSURE
EAT	ENTERING AIR TEMPERATURE	SPD	SUMP PUMP DISCHARGE
EEW	EMERGENCY EYEWASH	SQFT	SQUARE FEET
EF	EXHAUST FAN	SS	STAINLESS STEEL
EFF	EFFICIENCY	ST	STORAGE TANK
EL	ELEVATION	STAT	THERMOSTAT
ELECT		STD	STANDARD
ESP	ELEVATOR SUMP PUMP	STM	STORM
ET	EXPANSION TANK	STRUCT	STRUCTURAL
EWC	ELECTRIC WATER COOLER	SUCT	SUCTION
EWH	ELECTRIC WATER HEATER	SW	SINGLE WALL
EX	EXIST/EXISTING	SYST	SYSTEM
EXH	EXHAUST	TCP	TEMPERATURE CONTROL PANEL
FCO	FLOOR CLEANOUT	TD	TRENCH DRAIN
FD	FLOOR DRAIN	TEMP	TEMPERATURE
FFA	FROM FLOOR ABOVE	TFA	TO FLOOR ABOVE
FFB	FROM FLOOR BELOW	TFB	TO FLOOR BELOW
FIN	FINISHED	THERM	THERMOMETER
FLEX	FLEXIBLE	THRD	THREADED
FLR	FLOOR	THRU	THROUGH
FPWH	FROSTPROOF WALL HYDRANT	TK	TANK
FRL	FILTER/REGULATOR/LUBRICATOR	TP	TRAP PRIMER
FT	FEET	TYP	TYPICAL
FTHD	FEET OF HEAD	UG	UNDER GROUND
FURN	FURNISH	UR	URINAL
G	NATURAL GAS	UST	UNDERGROUND STORAGE TANK
GA	GAUGE	V	VENT
GALV	GALVANIZED	V VB	VACUUM BREAKER
GC			
	GENERAL CONTRACTOR	VTR	VENT THRU ROOF
GEN	GENERAL	W/	WITH
GPM	GALLONS PER MINUTE	WB	WASHER BOX
GV	GATE VALVE	WC	WATER CLOSET
HB	HOSE BIBB	WCO	WALL CLEAN OUT
HORIZ	HORIZONTAL	WF	WASH FOUNTAIN
HP	HORSE POWER	WH	WALL HYDRANT
HTG	HEATING	WT	WATER TANK
HTR	HEATER	WTD	WATER TEMPERATURE DIFFERENCE
HVAC	HEATING, VENTILATING & AIR CONDITIONING	WTR	WATER

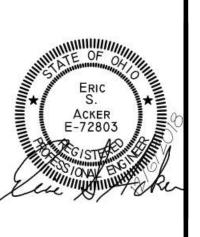
PLUMBING GENERAL NOTES

- 1. INSTALLATION OF PLUMBING FIXTURES AND ACCESSORIES, INCLUDING FLUSH CONTROL VALVES INTENDED FOR PEOPLE WITH DISABILITIES, SHALL BE IN ACCORDANCE WITH ADA REQUIREMENTS.
- 2. INSTALLATION OF PLUMBING PIPING SHALL BE FULLY COORDINATED WITH STRUCTURAL, ARCHITECTURAL, ELECTRICAL, AND HVAC DRAWINGS TO AVOID CONFLICT.
- 3. NO PLUMBING (WATER, DRAINS, VENT, OR GAS PIPING) SHALL BE INSTALLED DIRECTLY ABOVE ANY ELECTRICAL PANELS. COORDINATE WITH OTHER DIVISIONS BEFORE PROCEEDING WITH INSTALLATION.
- 4. IF NON DESIGN BASE EQUIPMENT IS SELECTED, CONTRACTOR SHALL BEAR ADDITIONAL COSTS FOR MODIFICATIONS TO THE ORIGINAL SYSTEM(S).
- 5. PROVIDE WATER HAMMER ARRESTERS AT PLUMBING FIXTURES AND GROUPS OF PLUMBING FIXTURES THAT ARE SUBJECT TO WATER HAMMER. SELECT ARRESTERS IN ACCORDANCE WITH THE PLUMBING AND DRAINAGE INSTITUTE
- 6. CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS, LABOR AND EQUIPMENT PERMIT FEES, REQUIRED FOR, OR INCIDENTAL TO THE INSTALLATION OF A COMPLETE AND OPERATIONAL PLUMBING SYSTEM AS INDICATED IN THE CONTRACT DOCUMENTS INCLUDING SPECIFICATIONS.
- 7. ALL PLUMBING SERVICES GOING INTO THE BUILDING AND LEAVING THE BUILDING SHALL BE CONNECTED TO THE SITE UTILITIES, COORDINATE WITH SITE UTILITIES DWGS. COORDINATE ALL EXTERIOR UNDERGROUND PLUMBING WORK WITH THE SITE UTILITIES BEFORE COMMENCING WORK. COORDINATE ALL UNDERGROUND PIPING WITH FOUNDATION DRAWINGS.
- 8. ALL PLUMBING WORK SHALL BE IN CONFORMANCE WITH THE OHIO PLUMBING CODE, LATEST EDITION ADOPTED BY THE STATE OF OHIO WITH OHIO AMENDMENTS, MUNICIPAL OR CITY CODES, AND THE AUTHORITY HAVING JURISDICTION.
- 9. INSTALL BALL VALVE CLOSE TO WATER MAIN ON EACH BRANCH AND RISER SERVING PLUMBING EQUIPMENT AND
- 10. SANITARY/VENT FITTING TYPES SHALL BE AS REQUIRED BY THE OHIO BUILDING AND PLUMBING CODE.
- 11. FIRST FLOOR 100'-0" IS EQUIVALENT TO 891.15 FINISHED FLOOR ELEVANTION.

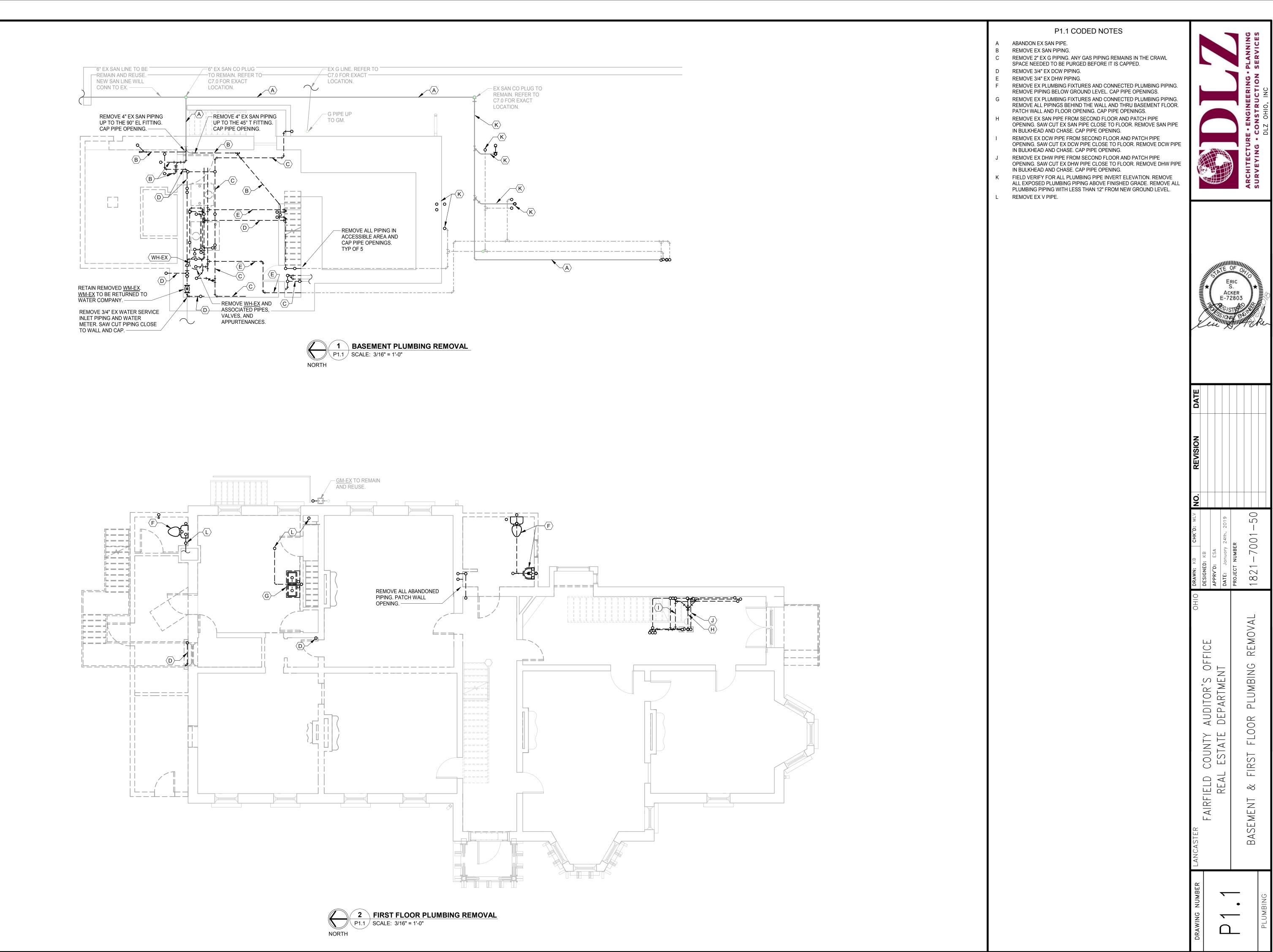
PLUMBING SYMBOLS

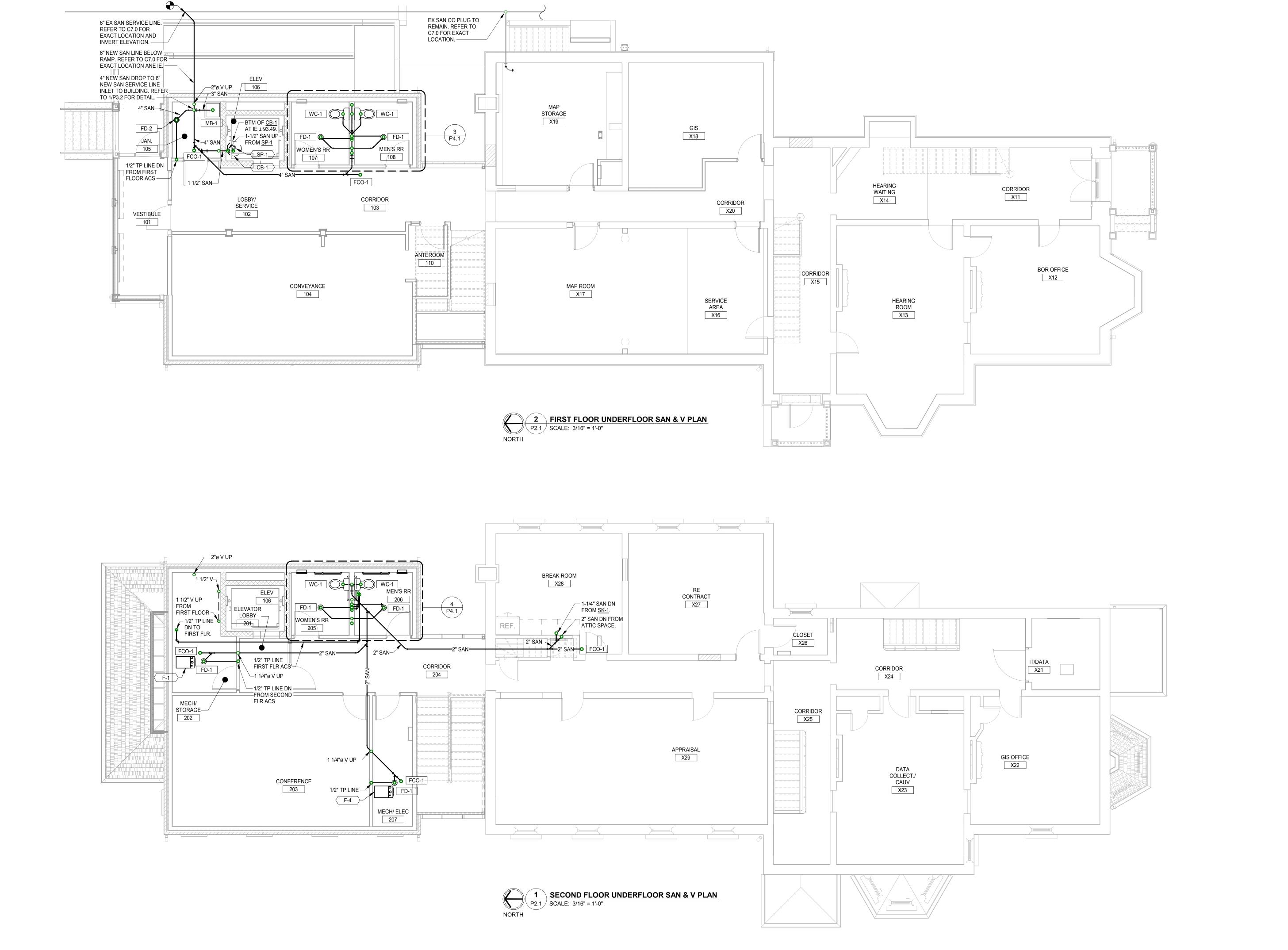
	- DOMESTIC COLD WATER
G	- NATURAL GAS
HW	DOMESTIC HOT WATER
— HWR—	 HOT WATER RETURN
	- SANITARY
	- VENT
\bowtie	BALL VALVE
\bigotimes	CALIBRATED BALANCING VALVE
\square	CHECK VALVE
C	SINGLE LINE - PIPE DROP
<u></u>	SINGLE LINE - PIPE RISE
\	SINGLE LINE - PIPE RISE TEE
\	SINGLE LINE - PIPE DROP TEE
	TWO LINE - PIPE DROP
lacksquare	TWO LINE - PIPE RISE



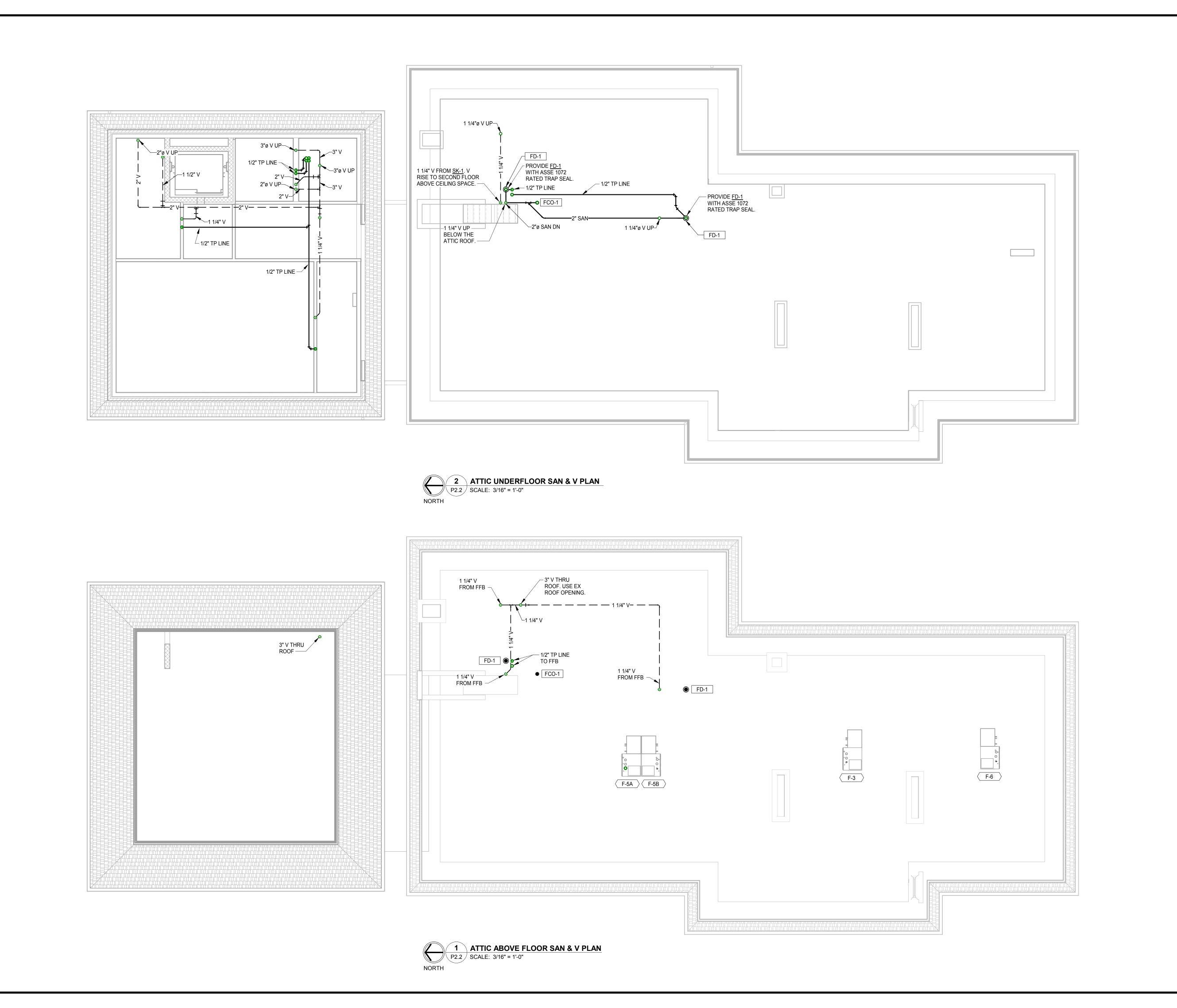


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FAIRFIELD COUNTY AUDITOR'S OFFICE REAL ESTATE DEPARTMENT IC UNDERFLOOR & ABOVE PLUMBING PLAN	FAIRFIELD COUNTY AUDITOR'S OFFICE REAL ESTATE DEPARTMENT ATTIC UNDERFLOOR & ABOVE PLUMBING PLAN	DESIGNED: KB APPRV'D: ESA DATE: January 2 PROJECT NUMBER 1821-70(
	BER C	FAIRFIELD COUNTY AUDITOR'S OFFICE REAL ESTATE DEPARTMENT IC UNDERFLOOR & ABOVE PLUMBING PLAN									

1 1/2" WATER SERVICE INLET. REFER TO 2/P2.3 FOR CONTINUATION

1 1/2" WATER SERVICE LINE. REFER TO C07.0 FOR EXACT LOCATION AND COORDINATION.

1 1/2" DCW FFB REFER 105 TO 1/P2.3 FOR WATER SERVICE INLET

VESTIBULE

ELEV

106

PROVIDE OIL SMART SIMPLEX CONTROL PANEL 4'-5" AFF.

BALANCING

VALVE, 0.5 GPM

WOMEN'S RR

3/4" DCW-

CONVEYANCE

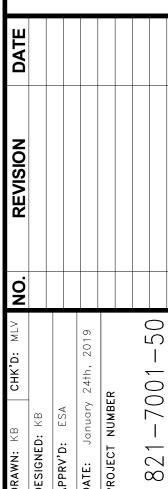
1" DCW

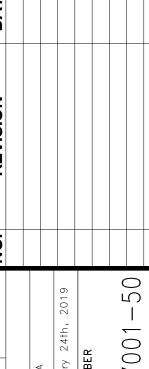
3/4" DHWR 1 1/4" G

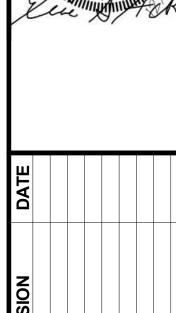


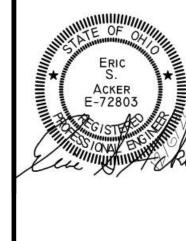
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EX G PIPE

G PIPE UP TO GM.

GM-EX

— 2" G UP FROM BASEMENT.

X18

CORRIDOR

X20

SERVICE AREA X16

CORRIDOR X15

2"ø G DN─

TO <u>F-2</u>.

F-2

1 BASEMENT PLUMBING PLAN
P2.3 SCALE: 3/16" = 1'-0"

STORAGE X19

BALANCING

1" DCW, 3/4" DHW, 3/4" DHWR, AND 1 1/4" G LINE UP CTW.

HB-1

NORTH

VALVE, 0.5 GPM

P2.3 SCALE: 3/16" = 1'-0"

— 3/4" DCW AND — DHW UP TO <u>SK-1</u>

- 3/4" DCW UP TO

MAP ROOM X17

OFFICE INT PLUMBING

ACCU-7

CORRIDOR

X11

BOR OFFICE X12

HEARING WAITING

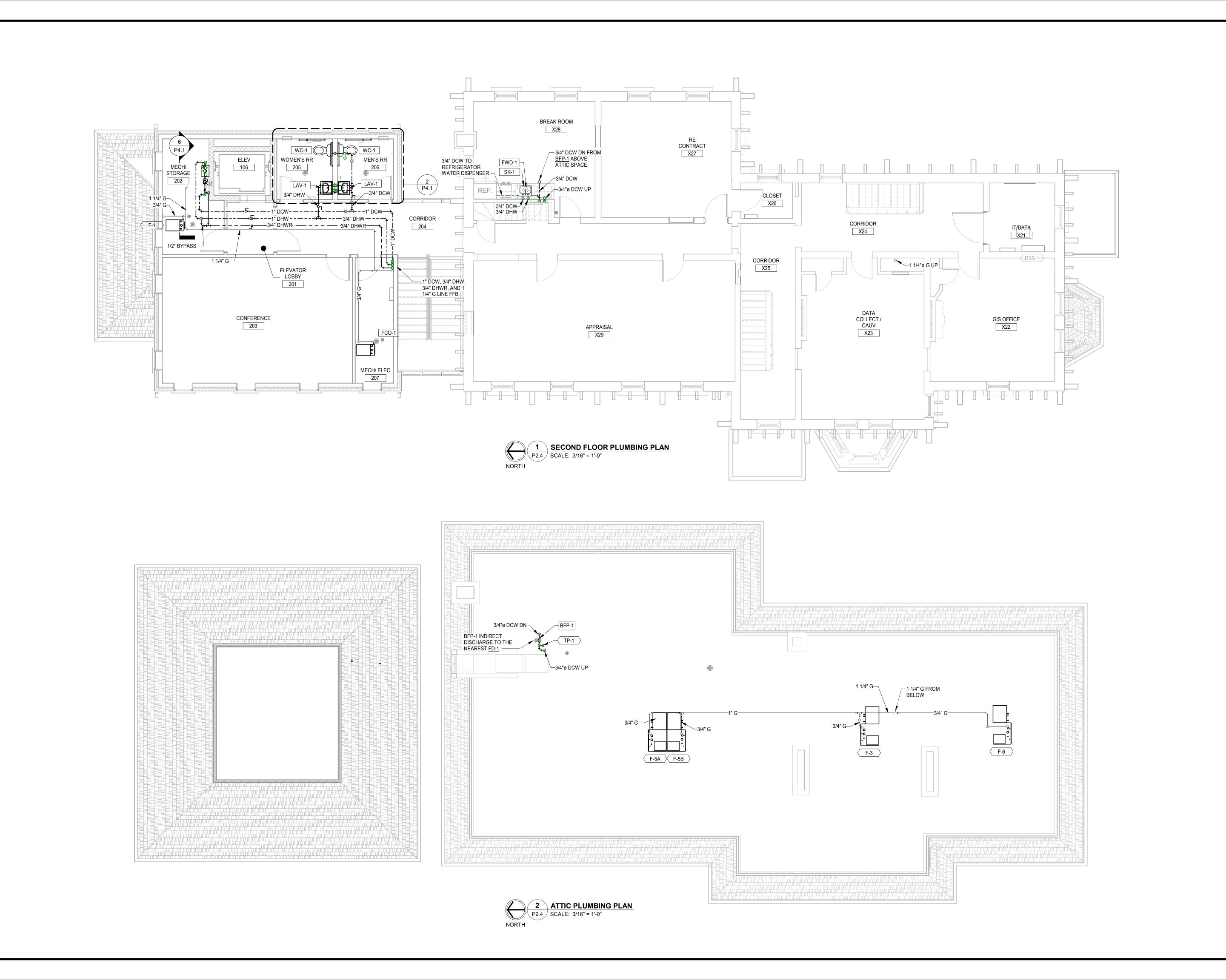
X14

HEARING ROOM

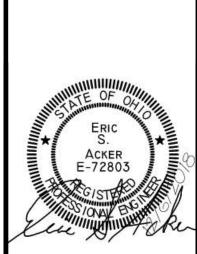
X13

1 1/4"ø G UP-

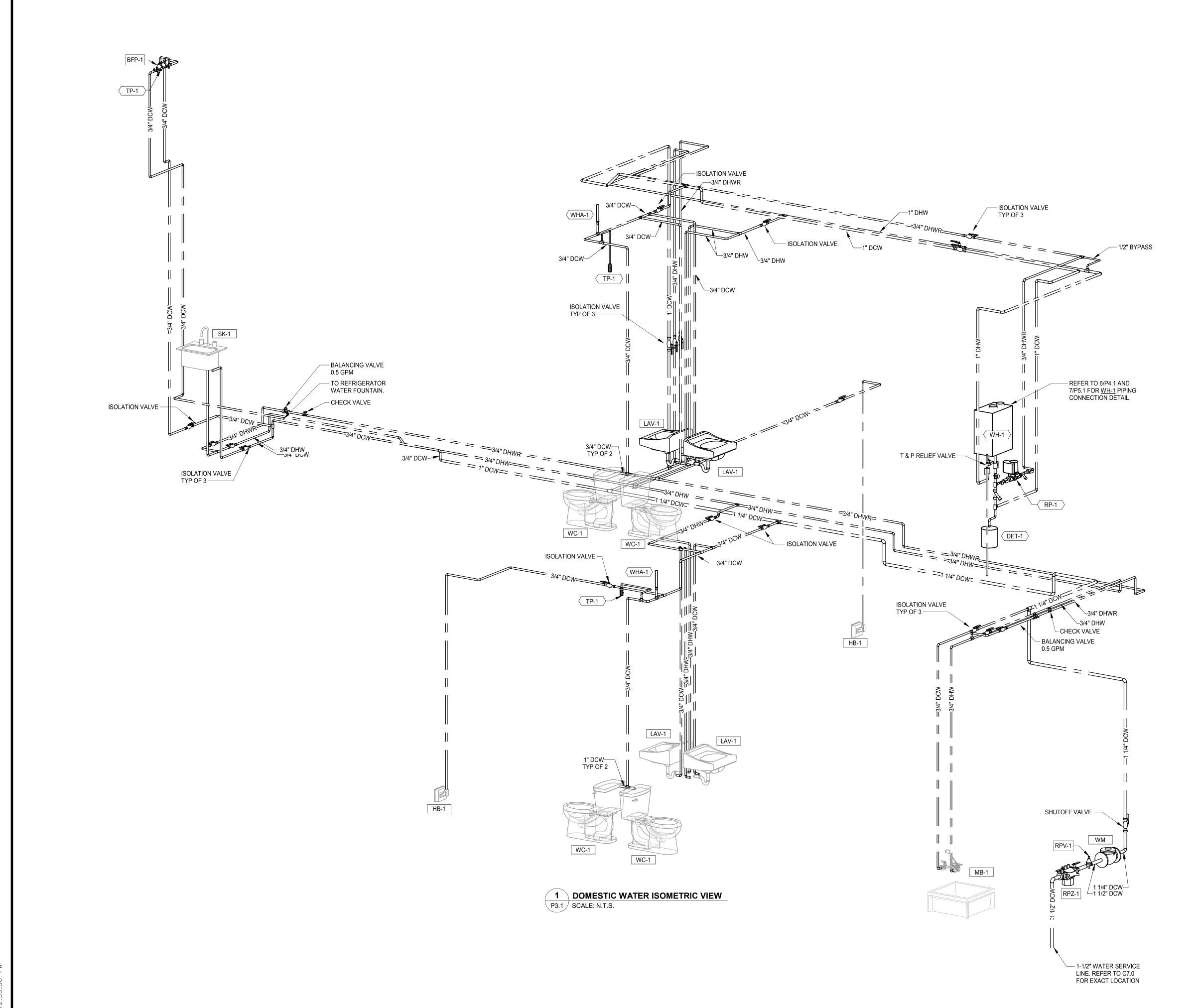
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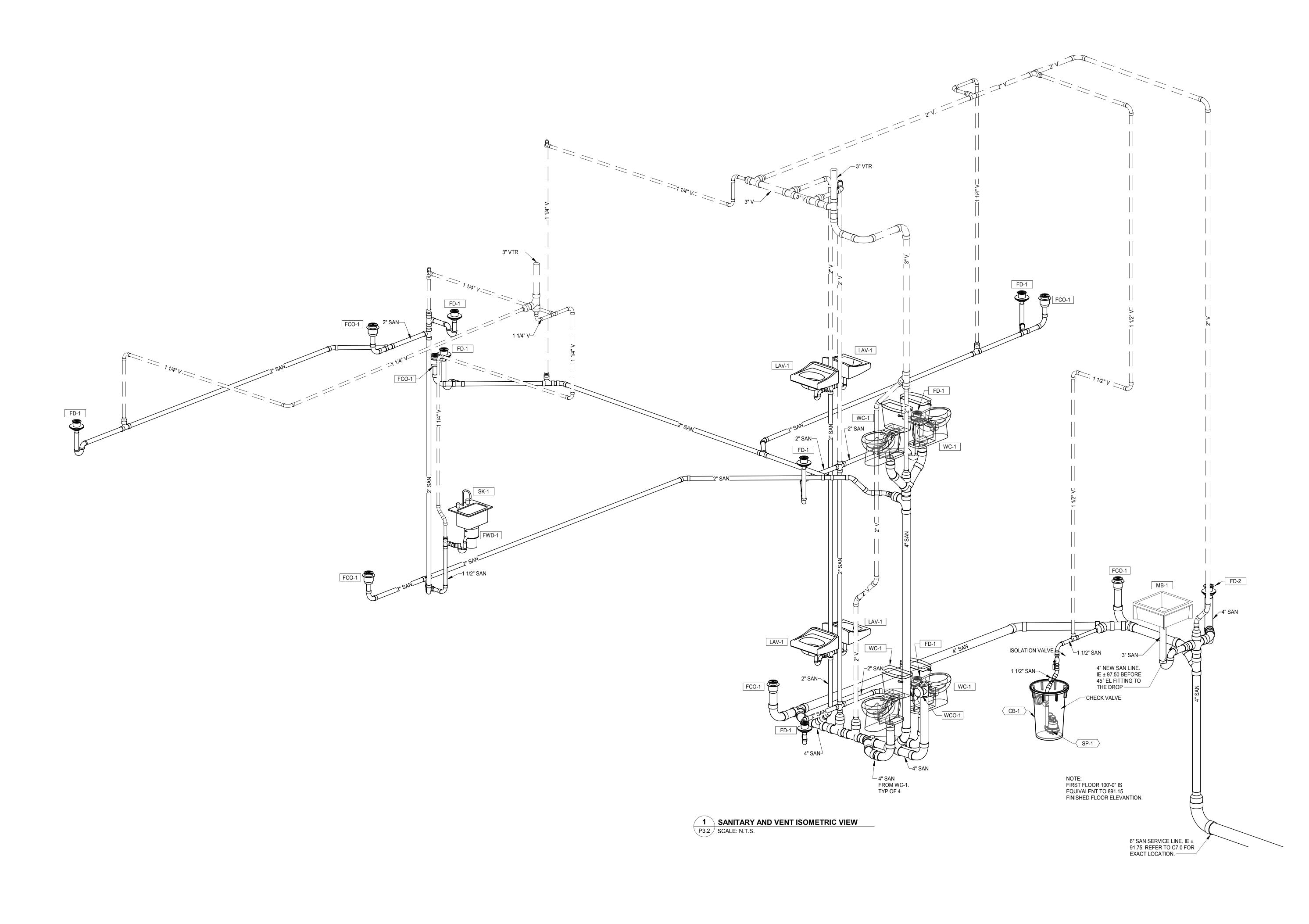
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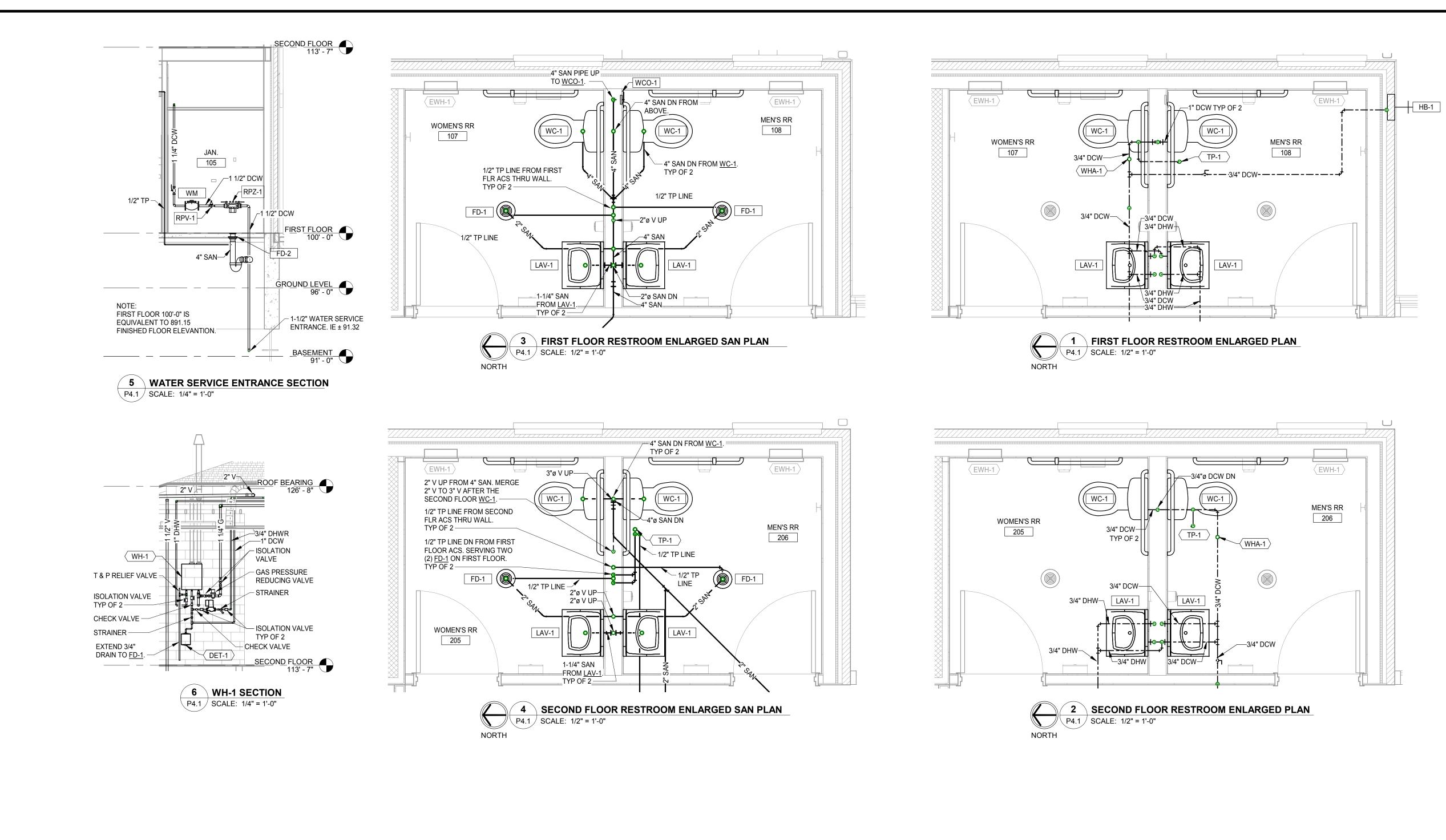


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OHIO							
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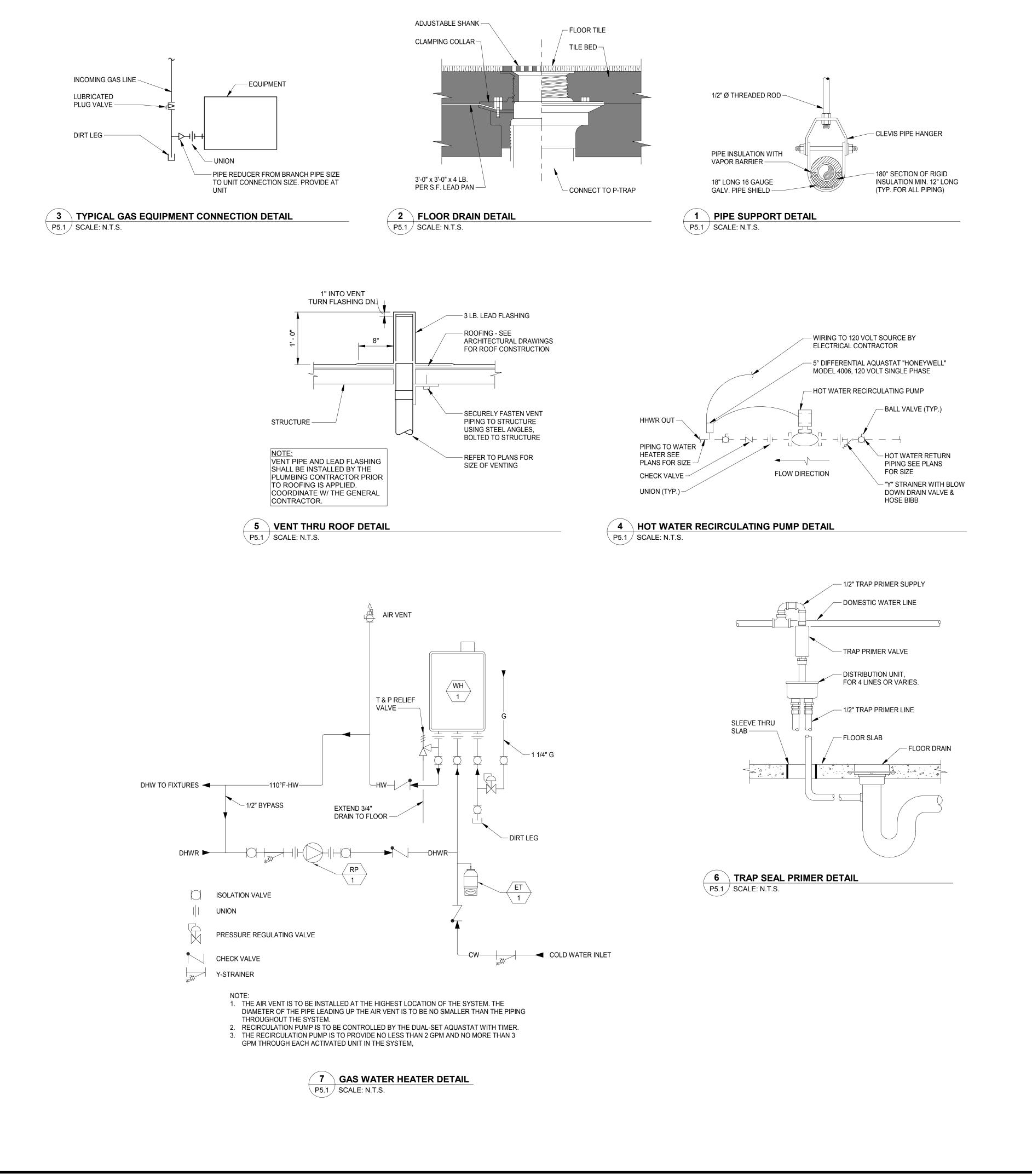


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PLUMBING

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AUDITOR'S DEPARTMEN

AIRFIELD REAL

		PLUMBING FIXTURE SCHEDULE						
TAG	FIXTURE	DESCRIPTION	ACCEPTABLE MANUFACTURER	SAN/WASTE	VENT	COLD WATER	HOT WATER	REMARKS
FCO-1	FLOOR CLEANOUT	LACQUERED CAST IRON BODY FLOOR CLEANOUT WITH ADJUSTABLE, HEAVY DUTY STAINLESS STEEL ROUND TOP WITH INTEGRAL PLUG. TOP TO BE ANSI HEAVY DUTY LOAD RATED. CLEANOUTS TO BE LOCATED IN FINISHED FLOOR AREAS.	MIFAB MODEL C1100-XR-3, SMITH, JOSAM, OR ZURN					MATCH SAN PIPE SIZE
FD-1	FLOOR DRAIN	LACQUERED CAST IRON HEAVY DUTY FLOOR DRAIN WITH 5" ROUND DUCTILE IRON, ADJUSTABLE STRAINER, AND DEEP SUMP BODY COMPLETE WITH SEDIMENT BUCKET.	MIFAB MODEL F1100-5-HG-3-5 OR EQUIVALENT	2"				PROVIDE WITH TRAP PRIMER
FD-2	FLOOR DRAIN	LACQUERED CAST IRON HEAVY DUTY FLOOR DRAIN WITH 5" ROUND DUCTILE IRON, ADJUSTABLE STRAINER, AND DEEP SUMP BODY COMPLETE WITH SEDIMENT BUCKET.	MIFAB MODEL F1100-5-EF-3-5 OR EQUIVALENT	4"				PROVIDE WITH TRAP PRIMER
FWD-1	FOOD WASTE DISPOSER	STAINLESS STEEL GRINDING CHAMBER, 1/2 HP / 120V / 1PH / 5.8 AMPS.	INSINKERATOR LC50-11	1-1/2"	1-1/4"			PROVIDE WITH SK-1
HB-1		CONCEALED BOX TYPE FREEZELESS WALL HYDRANT, AUTOMATIC DRAINING, ANTI-SIPHON VACUUM BREAKER WITH 3/4" MALE HOSE THREAD, LOOSE TEE KEY, CHROME PLATED EXTERIOR FINISH	WOODFORD MODEL NO. B65; JAY R. SMITH; WADE; JOSAM; ZURN			3/4"		MOUNT HYDRANT 24" ABOVE FINISHED FLOOR / GRADE
LAV-1	LAVATORY	BOWL - WALL HUNG, VITREOUS CHINA, CONCEALED ARM SUPPORTS. ■ FAUCET - VANDAL RESISTANT ALL BRASS BODY WITH SINGLE INLET AND IN-LINE STRAINER. HARDWIRED 24VAC SOLENOID VALVE (INCLUDE TRANSFORMER) AND MICROPROCESSOR CONTROLLED PROXIMITY SENSORS. PROVIDE THERMOSTAT MIXING VALVE OPTIO WITH ASSE 1017 COMPLIANCE. ■ SUPPLIES AND STOPS - LOOSE KEY ANGLE STOPS: 3/8" I.P.S. CHROME PLATED INLET, 3/8" O.D., FLEXIBLE STEEL RISERS, WALL ESCUTCHEON. ■ TRAP - 1-1/4"x1-1/2" CAST BRASS: CHROME PLATED, ADJUSTABLE WITH CLEANOUT PLUG. TUBING TO WALL AND ESCUTCHEON. ■ DRAINS - LAVATORY DRAIN OUTLET FITTING WITH PERFORATED GRID, CHROME PLATED FINISH AND CAST BRASS BODY.	BOWL - SLOAN MODEL SS-3003 FAUCET - SLOAN MODEL ETF600-B-BDT-EL-248-40 SUPPLIES AND STOPS - WOLVERINE BRASS INC. MODEL ENCORE; T&S BRASS TRAP - WOLVERINE BRASS INC.; T&S BRASS DRAINS - WOLVERINE BRASS INC. CATALOG NO. 56096; T&S BRASS	1-1/4"	2"	3/4"	3/4"	ADA COMPLIANT
MB-1	MOP BASIN	BASIN - ONE PIECE MOLDED STONE 24"x24"x10" WITH INTEGRAL STAINLESS STEEL BODY DRAIN, STAINLESS STEEL CAPS ON ALL CURBS, AND WALL GUARDS. ■ FAUCET - CHROME PLATED WITH VACUUM BREAKER, INTEGRAL STOPS, ADJUSTABLE WALL BRACE, PAIL HOOK AND 3/4" HOSE THREAD ON SPOUT. BODY INLETS 8" CENTER TO CENTER, FOUR ARM HANDLES. ■ HOSE AND HOSE BRACKET - 30" LONG FLEXIBLE, HEAVY DUTY 5/8" RUBBER HOSE, CLOTH REINFORCED WITH 3/4" BRASS COUPLING AT ONE END, 5" LONG BY 3" WIDE BRACKET. 18 GAUGE #302 STAINLESS STEEL WITH RUBBER GRIP. ■ MOP HANGER - 24" LONG BY 3" WIDE STAINLESS STEEL WITH (3) RUBBER TOOL GRIPS.	BASIN - FIAT MODEL MSB-2424 OR MUST, STERN-WILLIAMS, ACORN. ■ FAUCET - FIAT MODEL 830-AA OR CHICAGO FAUCETS, KOHLER, AMERICAN STANDARD, SPEAKMAN, T&S BRASS, CRANE. ■ MOP HANGER - FIAT MODEL 889-CC OR CHICAGO FAUCETS, KOHLER, AMERICAN STANDARD, CRANE, T&S	3"	1-1/2"	3/4"	3/4"	
SK-1	COUNTERTOP SINK	BOWL - ONE (1) 16"x21"x9.5" DEEP BOWL, COUNTERTOP, SELF RIMMING, DROP-IN SINK. TYPE 304 STAINLESS STEEL, DEEP DRAWN, FAUCET HOLES 4" CENTERS FAUCET - TWO HANDLE TOP-MOUNTED KITCHEN FAUCET SHALL FEATURE CAST BRASS CONSTRUCTION WITH ALL BRASS COUPLING NUTS, BRASS FIELD CONVERTIBLE RIGID/SWIVEL SPOUT WITH 5" REACH, 1/4 TURN WASHERLESS CERAMIC DISC VALVE CARTRIDGES SUPPLIES AND STOPS-LOOSE KEY ANGLE STOP, 3/8"IPS, CHROME PLATED INLET, 3/8" O.D. FLEXIBLE RISER, WALL ESCUTCHEON.	BOWL - EAGLE MODEL FDI-14-16-9.5-1 ■ FAUCET - AMERICAN STANDARD MODEL 6405.171. ■ SUPPLES AND STOPS - WOLVERINE BRASS INC. MODEL ENCORE	1-1/2"	1-1/4"	3/4"	3/4"	
WC-1	WATER CLOSET	BOWL - VITREOUS CHINA, WHITE, FLOOR MOUNTED, ELONGATED BOWL, TANK TYPE, LOW WATER CONSUMPTION (1.28 GPF/4.8 LPF) SEAT - WHITE, HIGH IMPACT EXTRA HEAVY SOLID PLASTIC, ELONGATED OPEN FRONT, STAINLESS STEEL HINGE POSTS.	AMERICAN STANDARD MODEL 2535.128 LOFT RIGHT HEIGHT ELONGATED ONE-PIECE TOILET WITH SEAT	4"		3/4"		ADA COMPLIANT
WCO-1	WALL CLEANOUT	CAST BRONZE CLEANOUT PLUG WITH 8" ROUND, SMOOTH, STAINLESS STEEL ACCESS COVER.	MIFAB MODEL C1436	4"				MATCH SAN PIPE SIZE
WM	WATER METER	3/4" WATER METER				3/4"		INSTALLED BY A DIVISION OF WATER REPRESENTATIVE.

TAG			
IAG	DESCRIPTION	MANUFACTURER	COMMENTS
BFP-1 BACKFLOV	DW PREVENTER - CONFORMING TO ASSE 1022. 3/8" INLET AND OUTLET SIZE WITH 1/8" VENT.	ZURN WILKENS MODEL 740 OR EQUIVALENT	CONNECT 3/4" DCW TO 3/8". 1/8" DISCHARGE PIPE FROM VENT PORT TO THE NEAREST FD IN ATTIC SPACE.
PRV-1 PRESSURI	RE REDUCING VALVE - 1" INLET WITH LEAD-FREE.	ZURN WILKENS MODEL 500XLC OR EQUIVALEN	Γ 11 PSI LOSS @ 23 GPM

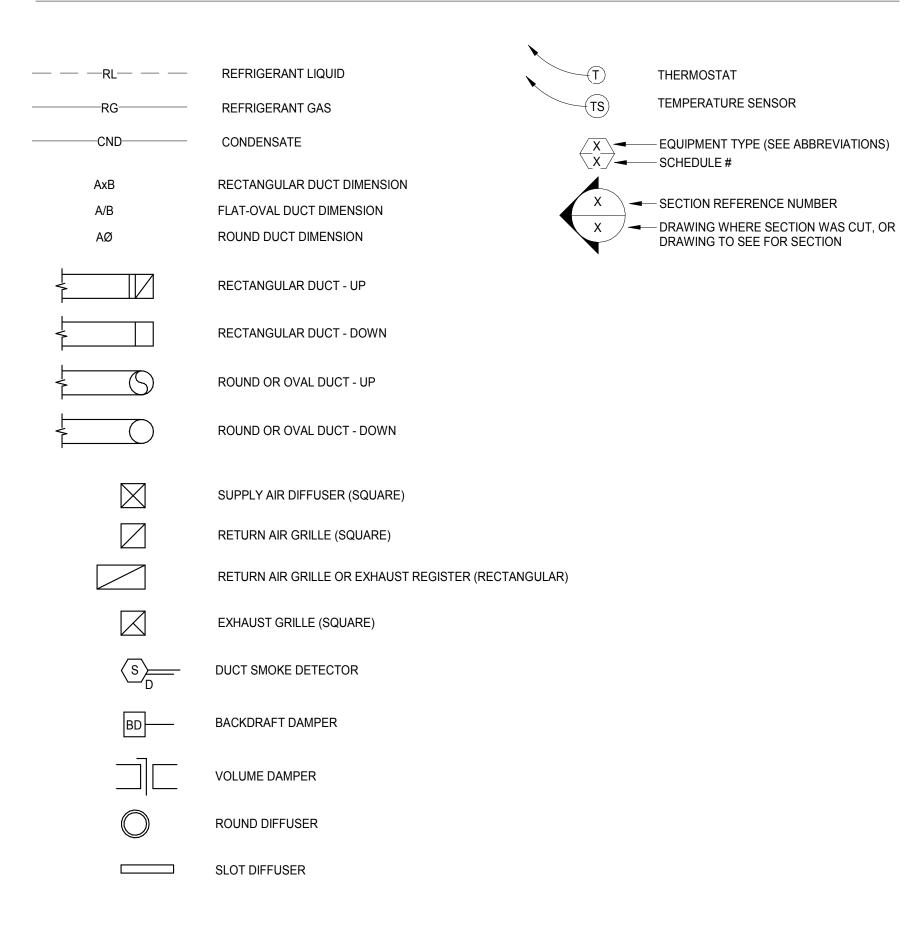
	PLUMB	ING EQUIPMENT SO	CHEDULE							
TAG	DESCRIPTION	BASIS OF DESIGN	MODEL	MOTOR HP	RPM	VOLT.	PHASE CYCLE		FLOW	REMARKS
CB-1	CATCH BASIN: PROVIDE 18" DIAMETER X 30" DEEP CATCH BASIN WITH TOP DISCHARGE ASSEMBLY WITH BASIN, SIMPLEX SP-1, FLOAT CONTROLS AND NO. 17-0135 SLOTTED COVER.	ZOELLER	31-0444							30 GALLON CAPACITY
DET-1	DOMESTIC EXPANSION TANK: 2 GALLON TANK FOR 0.74 GALLON OF REQUIRED TANK VOLUME WITH 0.2 GALLON OF REQUIRED ACCEPTANCE VOLUME. NSF 61 CERTIFIED	BELL & GOSSETT	PTA-5							3/4" INLET
RP-1	RECIRCULATION PUMP: PUMP BODY SHALL BE LEAD-FREE BRONZE CONSTRUCTION, STAINLESS STEEL FACE PLATE, POLY-PHENYLENE SULFIED IMPELLER, AISI 420 STAINLESS STEEL SHAFT, CARBON ON SILICON CARBIDE MECHANICAL FACES, THE MOTOR SHALL BE NON-OVERLOADING AT ANY POINT ON THE PUMP PERFORMANCE CURVE, DRIP PROOF, CARBON SLEEVE SEALED PRECISION BEARING. THE PERMANENT SPLIT CAPACITOR MOTOR SHALL BE EQUIPPED WITH THERMAL OVERLOAD PROTECTION. PROVIDE STARTER/DISCONNECT FOR THE CIRCULATION PUMP.	BELL & GOSSETT	ECOCIRC XL 20-35	1/12	1800	115	1	5 FT	1 GPM	3/4" DHWR INLET AND OUTLET
SP-1	SUMP PUMP: DURABLE, CAST IRON CONSTRUCTION WITH POWDER COATED EPOXY FINISH WITH ALL STAINLESS STEEL FITTINGS.	ZOELLER	940-0012	4/10	3450	115	1	15 FT	50 GPM	PROVIDE OIL SMART SIMPLEX CONTROL PANEL IN 105 JANITOR ROOM.
TP-1	TRAP PRIMER: AUTOMATIC PRESSURE DROP ACTIVATED WITH DU-U DISTRIBUTION.	PPP	P1-500							1/2" INLET
WH-1	TANKLESS CONDENSING HIGH EFFICIENCY COMMERCIAL GAS WATER HEATER: INDOOR MODEL WITH INTEGRATED TEMPERATURE CONTROLLER. 3" CONCENTRIC VENT AND FLUE TERMINATION. 199,000 BTU/H MAXIMUM GAS CONSUMPTION INPUT. PROVIDE DISCONNECT AT THE WATER HEATER.	AO SMITH	ACT-199I-N			120	1		10 GPM	PROVIDE CONDENSATE DRAIN WITH MANUFACTURER PROVIDED NEUTRALIZER KIT.
WHA-1	WATER HAMMER ARRESTOR: ASSE 1010 APPROVED. 12 TO 32 CROSS FIXTURE UNIT RATING.	WATTS	LF15M2-B							3/4" INLET

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SYMBOLS



Γ	
BASI	HVAC S OF DESIGN
	SUMMER
OUTDOOR	90°F DB, 74°F WB
INDOOR	75°F DB, 63°F WB
	WINTER
OUTDOOR	1°F DB
INDOOR	70°F DB

ABBREVIATIONS

IDENTIFICATION INVERT ELEVATION

POUNDS OR POUND

LEAVING DRY BULB

LEAVING WET BULB

MOTORIZED DAMPER

MAKE-UP AIR UNIT

NOT APPLICABLE NORMALLY CLOSED

TO FLOOR BELOW

TOTAL STATIC PRESSURE

WALL LOUVER W/ SCREEN

WATER PRESSURE DROP

WATER TEMPERATURE DIFFERENCE

TEMPERATURE CONTROL PANEL

SUPPLY DIFFUSER

REFRIGERANT LIQUID

REVOLUTIONS PER MINUTE

INFRARED TUBE HEATER

LEAVING AIR TEMPERATURE

LAB EQUIPMENT CONTRACTOR

MECHANICAL CONTRACTOR

NUMBER OR NORMALLY OPEN

OUTSIDE SCREW & YOKE PLUMBING CONTRACTOR

POUNDS PER SQUARE INCH

RETURN GRILLE / REFRIGERANT GAS

1000 BRITISH THERMAL UNITS PER HOUR

ACCU	AIR COOLED CONDENSING UNIT	ID	IDENTIFICATION
ACS	ABOVE CEILING SPACE	ΙE	INVERT ELEVATIO
ADJ	ADJUSTABLE	IH	INTAKE HOOD
AFF AHU	ABOVE FINISHED FLOOR AIR HANDLING UNIT	IJS IN	IN JOIST SPACE INCHES
AMPS	AMPERES	IRTH	INCHES INFRARED TUBE H
APD	AIR PRESSURE DROP	IWS	IN WALL SPACE
ATC	AUTOMATIC TEMPERATURE CONTROL	L	LOUVER
ASC	ABOVE SUSPENDED CEILING	LAT	LEAVING AIR TEMP
AVG	AVERAGE	LBS/LB	POUNDS OR POUN
BFP BHP	BACKFLOW PREVENTER	LDB LEC	LEAVING DRY BUL
BL	BRAKE HORSE POWER BELOW	LEC	LAB EQUIPMENT C LEAVING WET BUL
BLDG	BUILDING	MAU	MAKE-UP AIR UNIT
BOD	BOTTOM OF DUCT	MAX	MAXIMUM
BOP	BOTTOM OF PIPE	MB	MOP BASIN
BSMT	BASEMENT	MBH MC	1000 BRITISH THE
BTM CAP	BOTTOM CAPACITY	MD	MOTORIZED DAME
CC	COOLING COIL	MECH	MECHANICAL
CENT	CENTRIFUGAL	MFGR	MANUFACTURER
CFM	CUBIC FEET PER MINUTE	MIN	MINIMUM
CHW	CHILLED WATER	MTD	MOUNTED
CLG CND	CEILING CONDENSATE	MTG NA	MOUNTING NOT APPLICABLE
CO	COMPANY	NC	NORMALLY CLOSE
CONC	CONCRETE	NO	NUMBER OR NORI
CONN	CONNECT	NTS	NOT TO SCALE
CONST	CONSTANT	OA	OUTSIDE AIR
CONTR	CONTRACTOR	OS&Y	OUTSIDE SCREW
CP CTW	CIRCULATING PUMP CLOSE TO WALL	PC PD	PLUMBING CONTR PRESSURE DROP
CU	CONDENSING UNIT	PH	PHASE
D	DRAIN	PLBG	PLUMBING
DB	DRY BULB	PRESS	PRESSURE
DEG	DEGREE	PSI	POUNDS PER SQU
DIA DISCH	DIAMETER DISCHARGE	RA REQ'D	RETURN AIR REQUIRED
DISCIT	DOWN	RF	RELIEF AIR FAN
DSP	DUCT STATIC PRESSURE	RG	RETURN GRILLE /
EA	EXHAUST AIR	RH	RELIEF AIR HOOD
EAT	ENTERING AIR TEMPERATURE	RL	REFRIGERANT LIQ
EDB EF	ENTERING DRY BULB EXHAUST FAN	RM RPM	ROOM REVOLUTIONS PE
EFF	EFFICIENCY	RND	ROUND
EG	EXHAUST GRILLE	RTU	ROOF TOP UNIT
EL	ELEVATION	S	SMOKE DAMPER
ELECT	ELECTRICAL EXTERNAL STATIC PRESCURE	SA	SUPPLY AIR
ESP ET	EXTERNAL STATIC PRESSURE EXPANSION TANK	SD SENS	SUPPLY DIFFUSER SENSIBLE
EWB	ENTERING WET BULB	SG	SUPPLY GRILLE
EX	EXIST/EXISTING		SHEET METAL
EXH	EXHAUST	SP	STATIC PRESSURE
F	FURNACE	SQFT	SQUARE FEET
FD FFA	FIRE DAMPER FROM FLOOR ABOVE	SS ST	STAINLESS STEEL STORAGE TANK
FFB	FROM FLOOR BELOW		THERMOSTAT
FIN	FINISHED	STD	STANDARD
FLEX	FLEXIBLE		STRUCTURAL
FLR	FLOOR	SW	SINGLE WALL
FPM FRL	FEET PER MINUTE FILTER/REGULATOR/LUBRICATOR	SYST TCP	SYSTEM TEMPERATURE CO
F/S	FIRE/SMOKE	TEMP	TEMPERATURE
FT	FEET	TFA	TO FLOOR ABOVE
FTHD	FEET OF HEAD	TFB	TO FLOOR BELOW
G	NATURAL GAS	THERM	THERMOMETER
GA GAL	GAUGE GALLON	THRD THRU	THREADED THROUGH
GALV	GALVANIZED	TSP	TOTAL STATIC PRI
GC	GENERAL CONTRACTOR	TYP	TYPICAL
GEN	GENERAL	UG	UNDER GROUND
GPM	GALLONS PER MINUTE	W/	WITH
GWP	GAS UNIT HEATER	WC	WATER COLUMN WATER HEATER
GWR GWS	GLYCOL WATER RETURN GLYCOL WATER SUPPLY	WH WLSN	WALL LOUVER W/
HC	HEATING COIL	WO	WALL OPENING
HHW	HEATING HOT WATER	WPD	WATER PRESSUR
HORIZ	HORIZONTAL	WTD	WATER TEMPERA
HP HB	HORSE POWER	WT	WATER
HR HTG	HOUR HEATING		
HTR	HEATER		

HEATER

HVAC HEATING, VENTILATING & AIR CONDITIONING

GENERAL NOTES

- 1. ALL MECHANICAL WORK SHALL BE IN ACCORDANCE WITH OHIO MECHANICAL CODE, LATEST APPLICABLE EDITION, AND AS SPECIFIED (WHICHEVER IS MORE STRINGENT).
- IF NON-DESIGN BASE EQUIPMENT IS SELECTED, THIS CONTRACTOR SHALL BEAR ANY ADDITIONAL COSTS FOR MODIFICATION TO THE PROPOSED BUILDING SYSTEM CAUSED BY SELECTION OF THE NON-DESIGN BASE EQUIPMENT. DEVIATIONS FROM BASIS OF DESIGN THAT AFFECT OTHER TRADES ARE THE RESPONSIBILITY OF THIS CONTRACTOR. ADDITIONAL COSTS TO PROVIDE LARGER ELECTRICAL CIRCUITS, MORE FLOOR SPACE, ADDITIONAL SUPPORTS, ADDITIONAL MATERIALS, ETC. SHALL BE BORNE BY THIS CONTRACTOR. COORDINATE ALL WORK WITH OTHER TRADES.
- DO NOT SCALE DRAWINGS FOR DIMENSIONS. REFER TO DIMENSIONED DRAWINGS. IF DIMENSIONS CANNOT BE ACCURATELY DETERMINED, REQUEST THE INFORMATION FROM THE ARCHITECT/ENGINEER.
- 4. KEY NOTES ARE MEANT AS A GENERAL GUIDE FOR TYPICAL LOCATIONS. CONTRACTOR TO PERFORM FULL EXTENT OF WORK REQUIRED TO ACCOMPLISH DESIGN INTENT.
- CONTRACTOR IS RESPONSIBLE FOR ALL WORK IDENTIFIED ON ALL DRAWINGS AND INFORMATION IN THE PROJECT MANUAL, AS A COMPLETE PROJECT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE SPECIFIC SCOPE OF WORK FOR ANY SUBCONTRACTORS FOR THIS PROJECT EXCEPT AS SPECIFICALLY NOTED.
- ALL DUCTS IN FINISHED ROOMS AND SPACES SHALL BE CONCEALED IN CHASES OR ABOVE THE CEILINGS, UNLESS OTHERWISE NOTED.
- 7. ALL LISTED DUCTWORK DIMENSIONS ARE CLEAR AIR FLOW DIMENSIONS.
- 8. COORDINATE WORK WITH OTHER TRADES.
- MAXIMUM LENGTH OF FLEX DUCT SHALL BE 5'-0". FLEX DUCT SHALL NOT BE USED WHERE DUCTWORK
- 10. DUCT AND PIPING LAYOUTS ARE SCHEMATIC IN NATURE. FIELD VERIFY LOCATION OF BEAMS, GENERAL STRUCTURE, LIGHTING, PIPING, ETC., BEFORE FABRICATION AND INSTALLATION OF DUCTWORK COORDINATE ELEVATIONS, OFFSETS, AND TRANSITIONS AS REQUIRED.
- 11. CONNECTION TO EQUIPMENT SHALL CONFORM TO MANUFACTURER'S SPECIFICATION.
- 12. ALL HANGER SYSTEMS FOR PIPING AND EQUIPMENT SHALL BE SECURED TO BUILDING STRUCTURAL SYSTEM. CONTRACTORS SHALL COORDINATE HANGERS CONNECTED TO STEEL JOISTS TO ENSURE HANGERS ARE ATTACHED AT JOIST PANEL POINTS.
- 13. CONTRACTOR SHALL PROVIDE ACCESS DOORS IN ALL WALLS AND CEILINGS WHERE SERVICE OR ADJUSTMENT TO MECHANICAL OR PLUMBING ITEMS MAY BE REQUIRED. ACCESS DOORS SHALL BE OF AN APPROPRIATE SIZE REQUIRED FOR EACH APPLICATION. WHERE APPLICABLE, ACCESS DOORS SHALL MATCH THE FIRE RATING OF THE WALL ASSEMBLY.
- 14. VOLUME DAMPERS SHALL BE INSTALLED IN ALL BRANCH DUCT.
- 15. THE ELBOWS FOR DUCTWORK SHALL HAVE TURNING VANES UNLESS NOTED OTHERWISE.
- 16. ALL HVAC CONTROL WIRING AND CONDUIT SHALL BE PROVIDED BY DIVISION 23 CONTRACTOR UNLESS OTHERWISE NOTED. EXPOSED CONTROL WIRING SHALL BE IN CONDUIT. USE THE PLENUM RATED CABLE FOR CABLES NOT IN CONDUIT.
- 17. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR ALL AIR DEVICE LOCATIONS.
- 18. ALL MECHANICAL EQUIPMENT REQUIRING NATURAL GAS SHALL BE FURNISHED WITH PRESSURE REGULATOR. THE GAS PRESSURE REGULATOR SHALL REGULATE THE GAS PRESSURE BETWEEN THE INLET AND OPERATING PRESSURE OF THE EQUIPMENT. PROVIDE VENT TO OUTDOOR FROM EACH REGULATOR.
- 19. ALL STRUCTURAL OPENINGS SHALL BE COORDINATED WITH THE STRUCTURAL DRAWING. COORDINATE ANY STRUCTURAL SUPPORTS FOR OPENINGS WITH STRUCTURAL TRADES.
- 20. HVAC EQUIPMENT SHALL BE CONNECTED TO A BUILDING MANAGEMENT SYSTEM. REFER TO X DRAWINGS FOR CONNECTION DETAILS.
- 21. ALL EXPOSED DUCTWORK AND PIPING SHALL BE PAINTED PER DIVISION 9 SPECIFICATIONS.

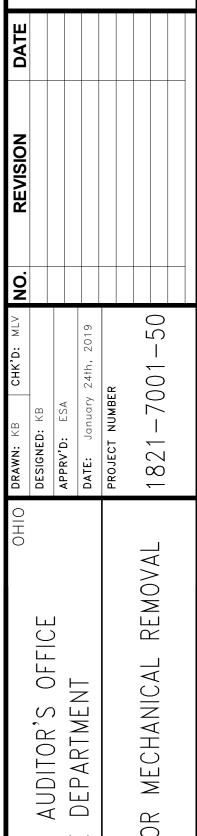
GENERAL MECHANICAL NOTES

- A. COORDINATE ALL WORK WITH OTHER TRADES AND EXISTING WORK TO PERMIT ACCESS AND SERVICE CLEARANCES TO ALL SYSTEMS. COORDINATE DUCT WITH ELECTRICAL J-BOXES TO PREVENT
- B. REFER TO DETAIL SHEETS FOR ADDITIONAL INFORMATION ON INSTALLMENT METHODS.



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DATE: January 24th, 2019	PROJECT NUMBER	1821-7001-50	
REAL ESTATE DEPARTMENT		GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS	

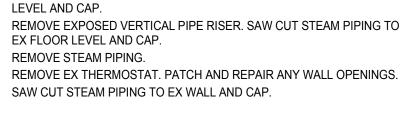


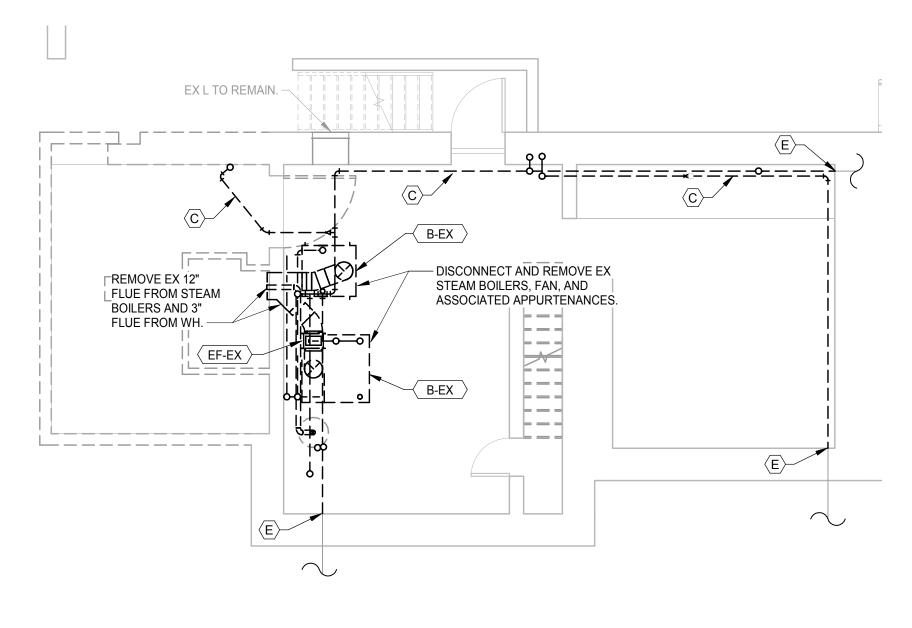


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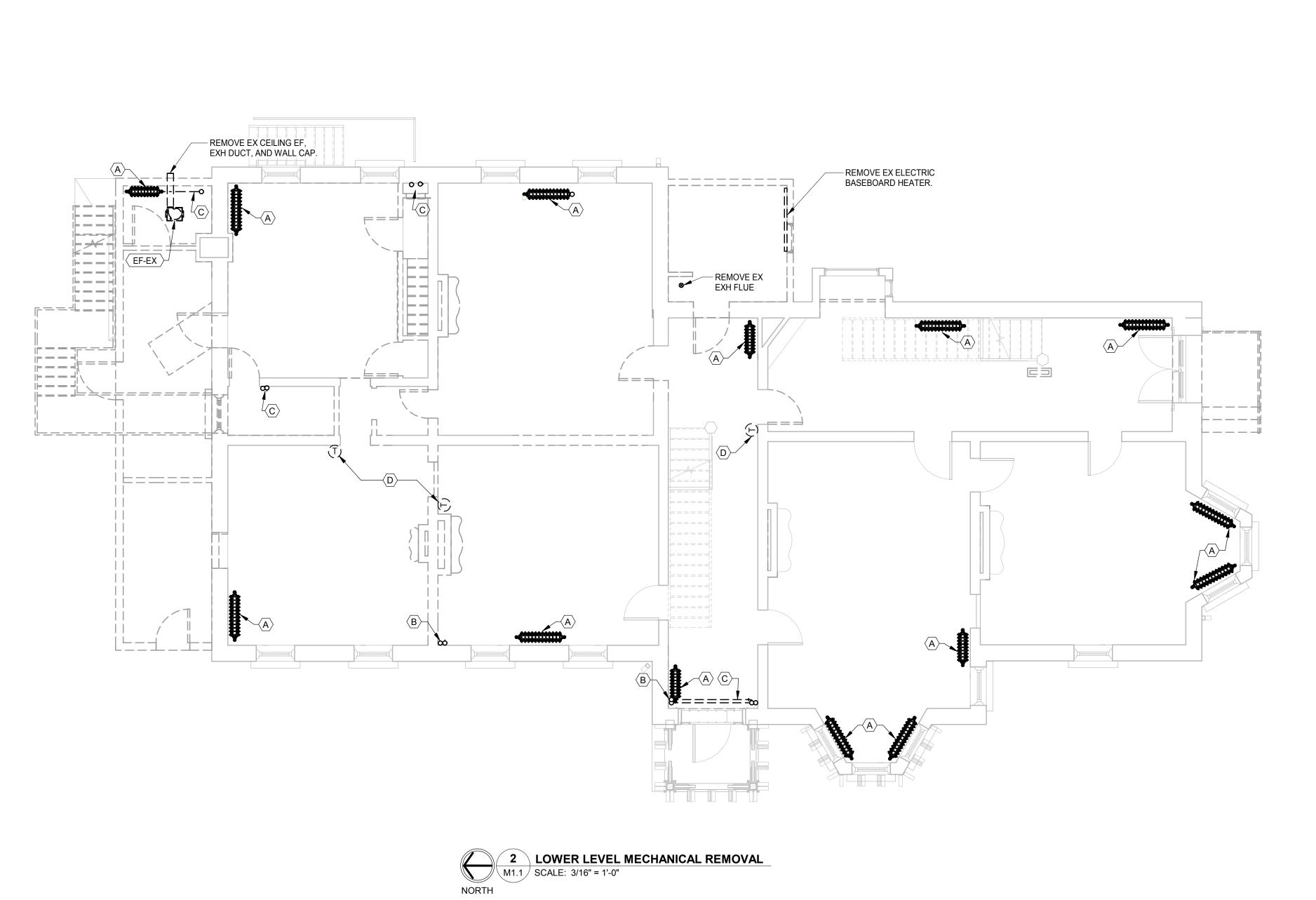
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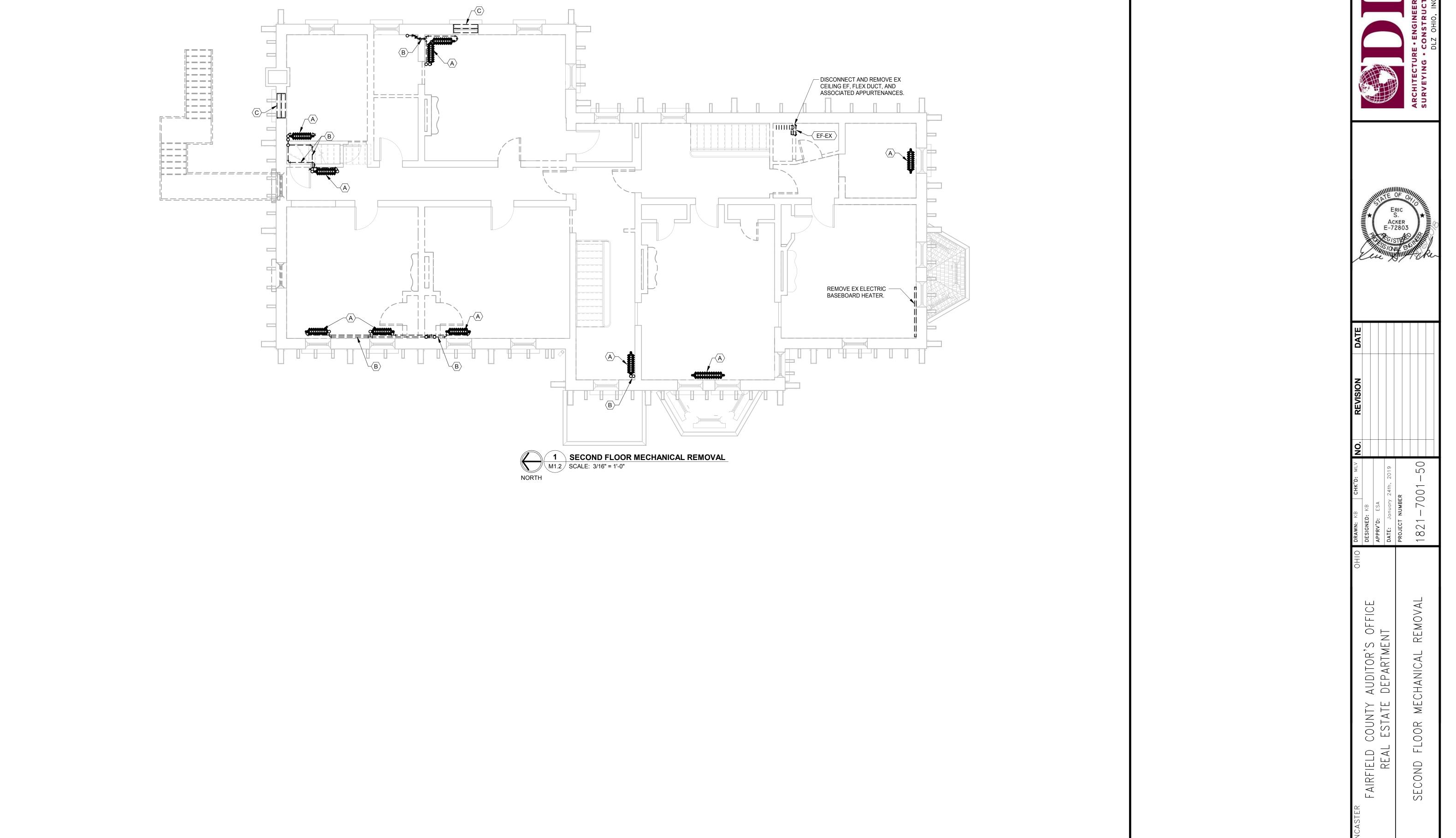
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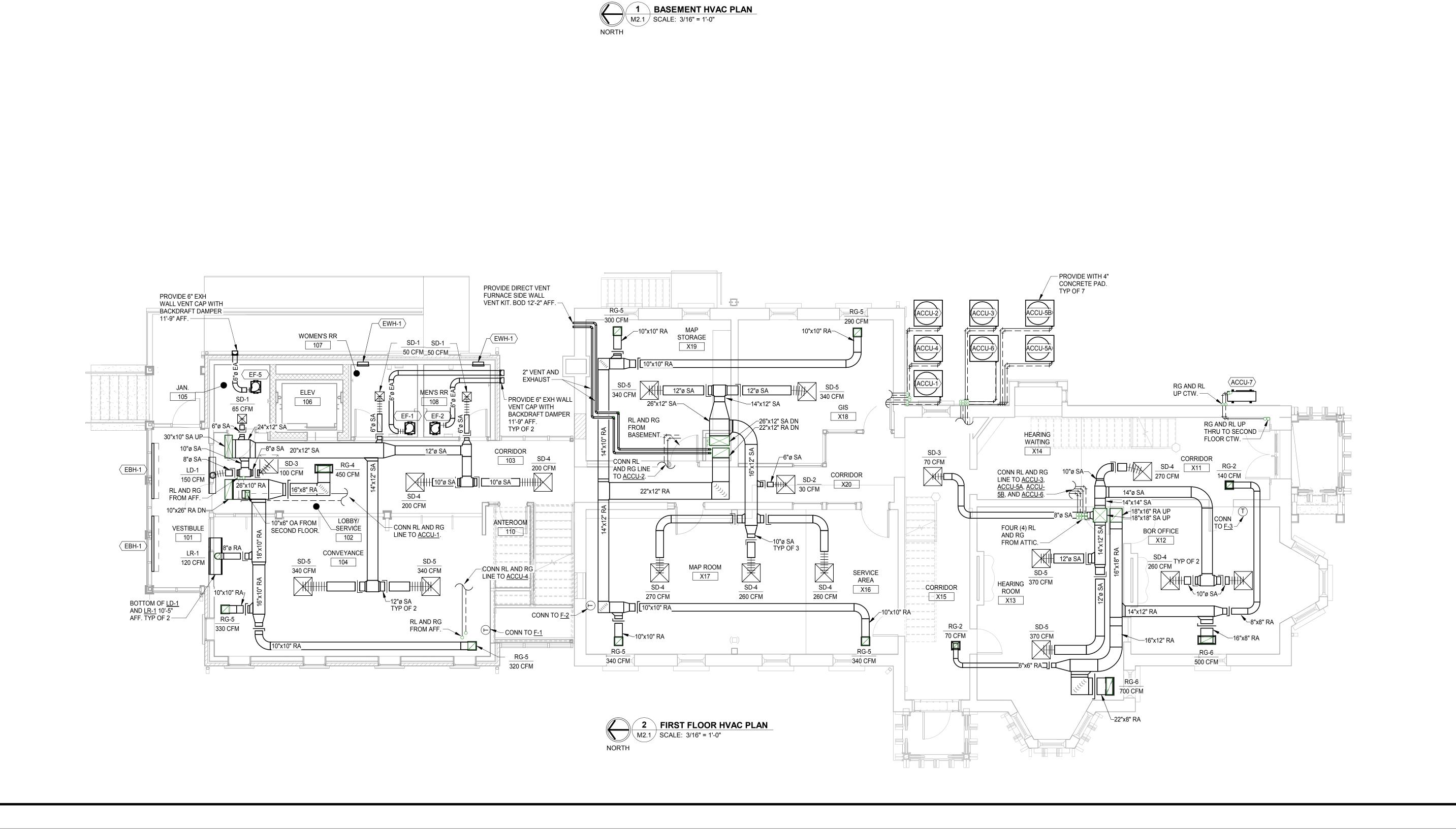
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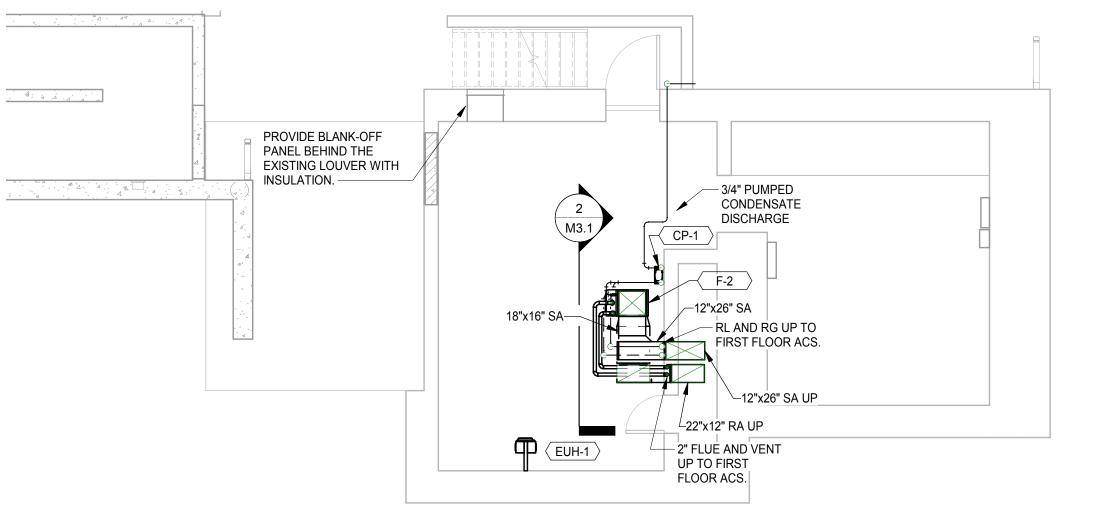
M1.2 CODED NOTES

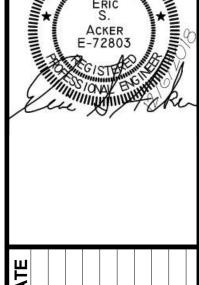
REMOVE STEAM AND CONDENSATION PIPING. REMOVE EX WINDOW MOUNTED AC.

REMOVE EX STEAM RADIATOR. REMOVE ANY EXPOSED STEAM PIPING. SAW CUT STEAM PIPING TO EX FLOOR LEVEL AND CAP.









7001

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PLAN

HVAC

FLOOR

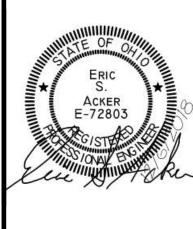
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SEMENT

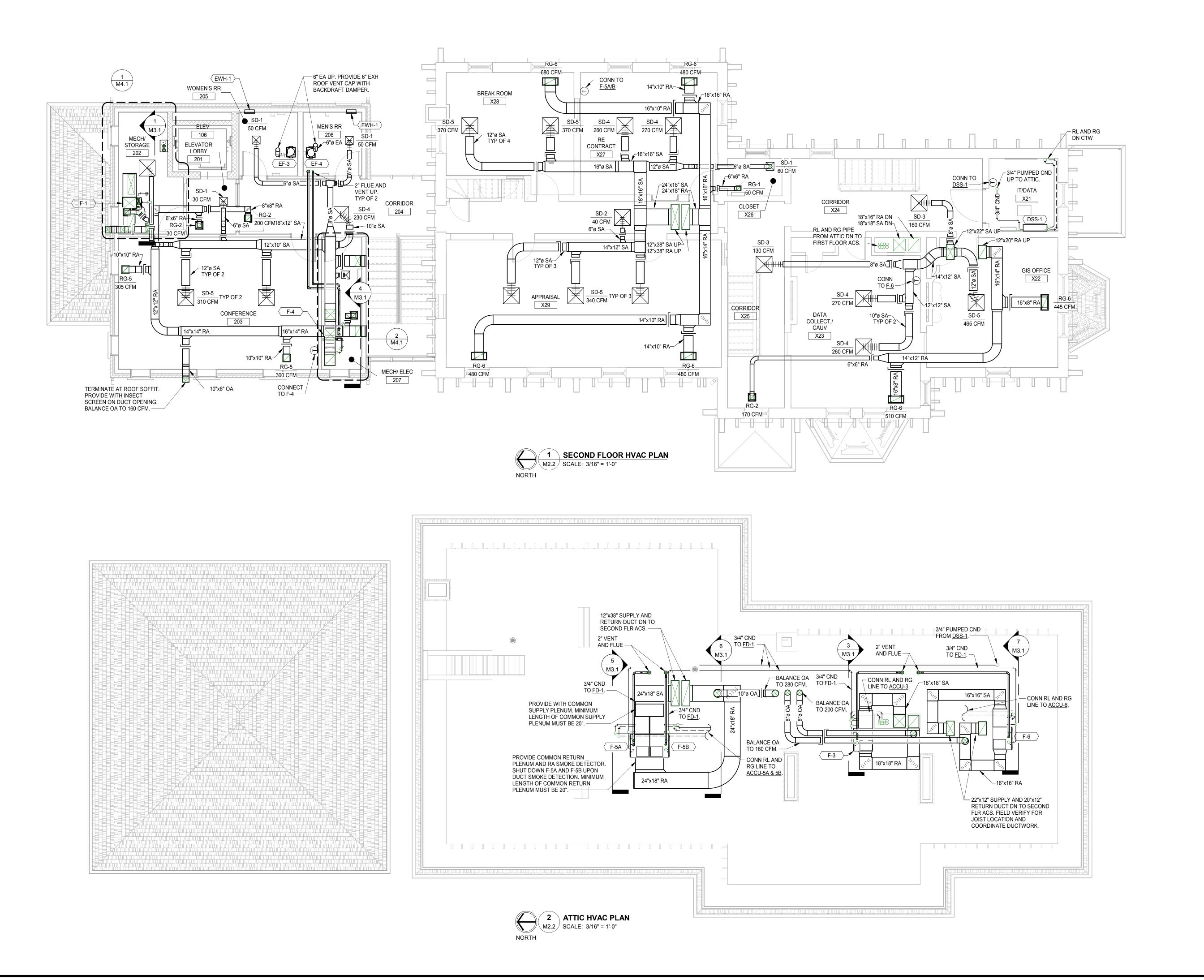
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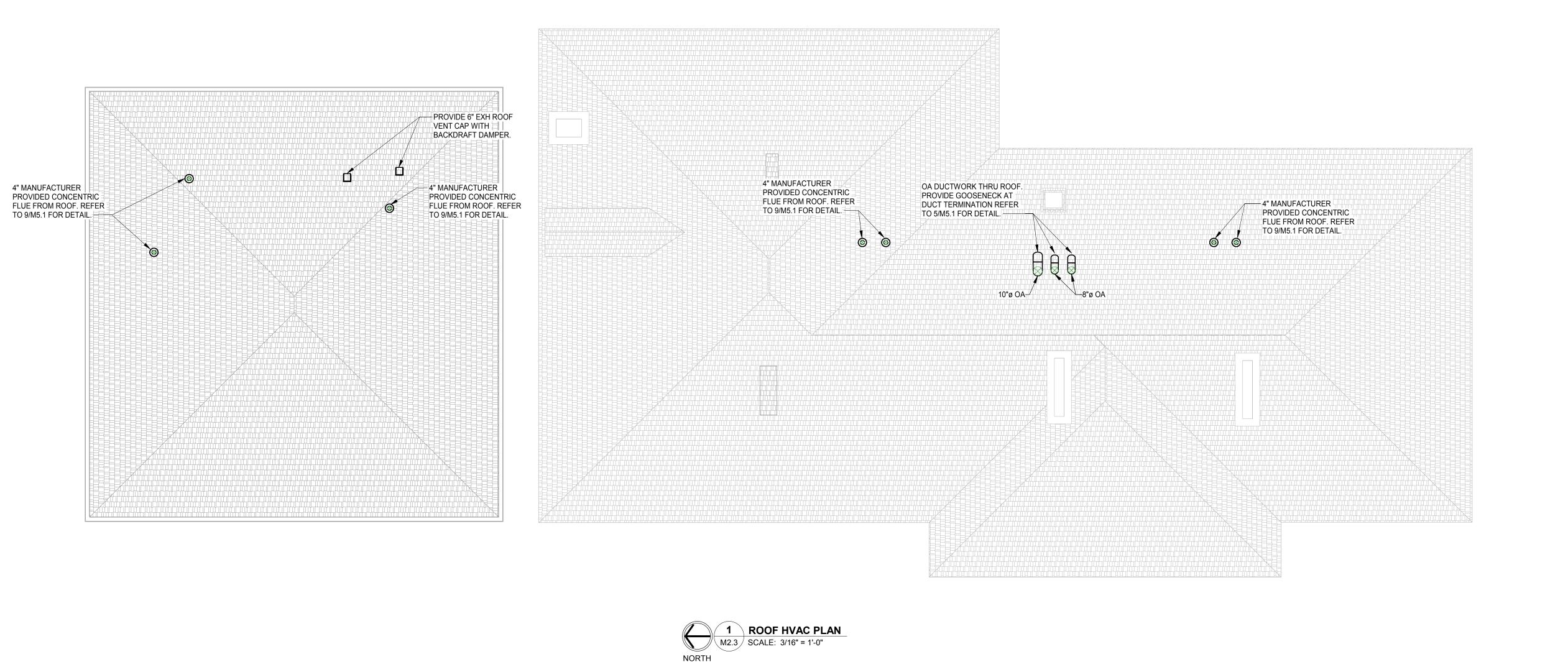
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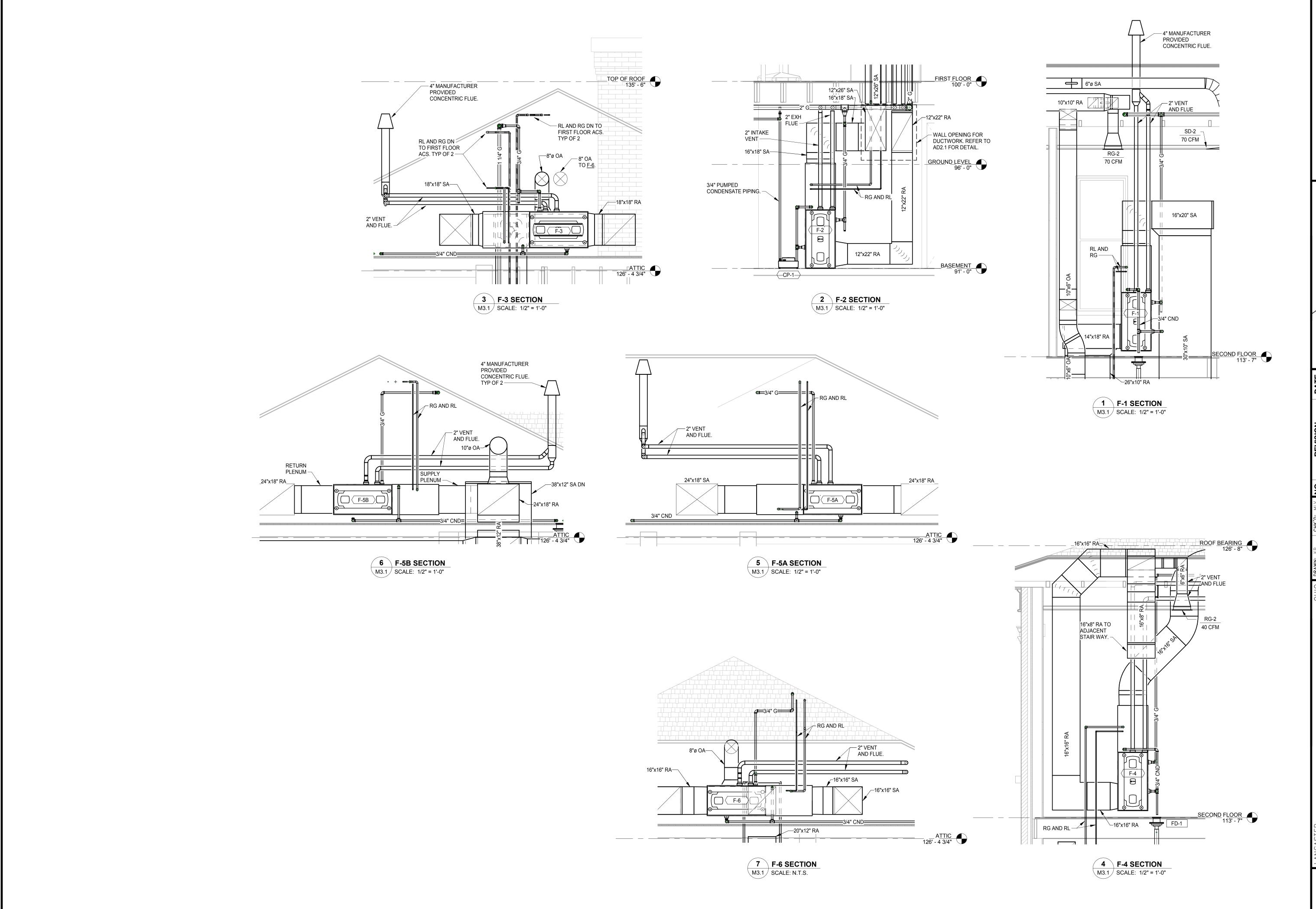




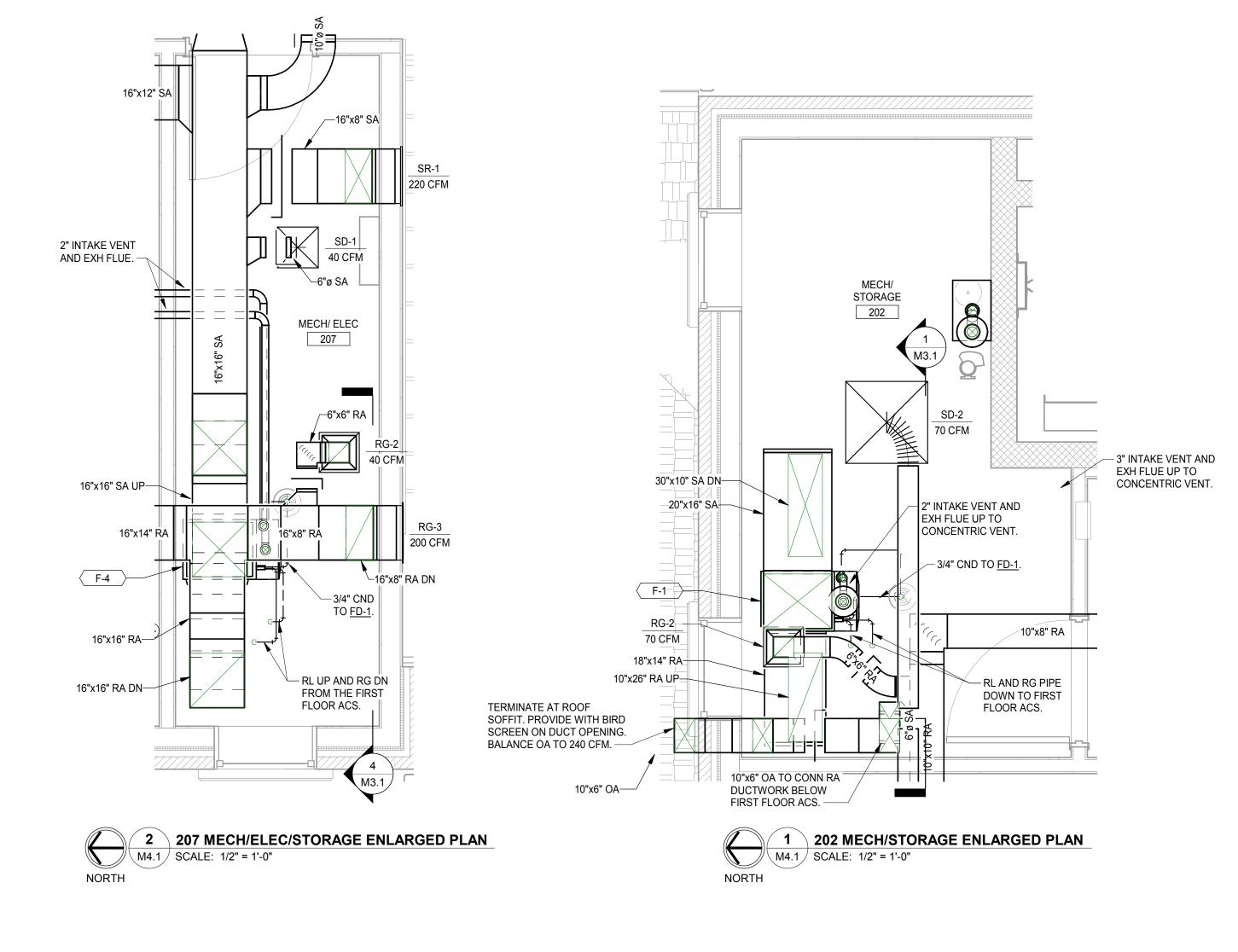
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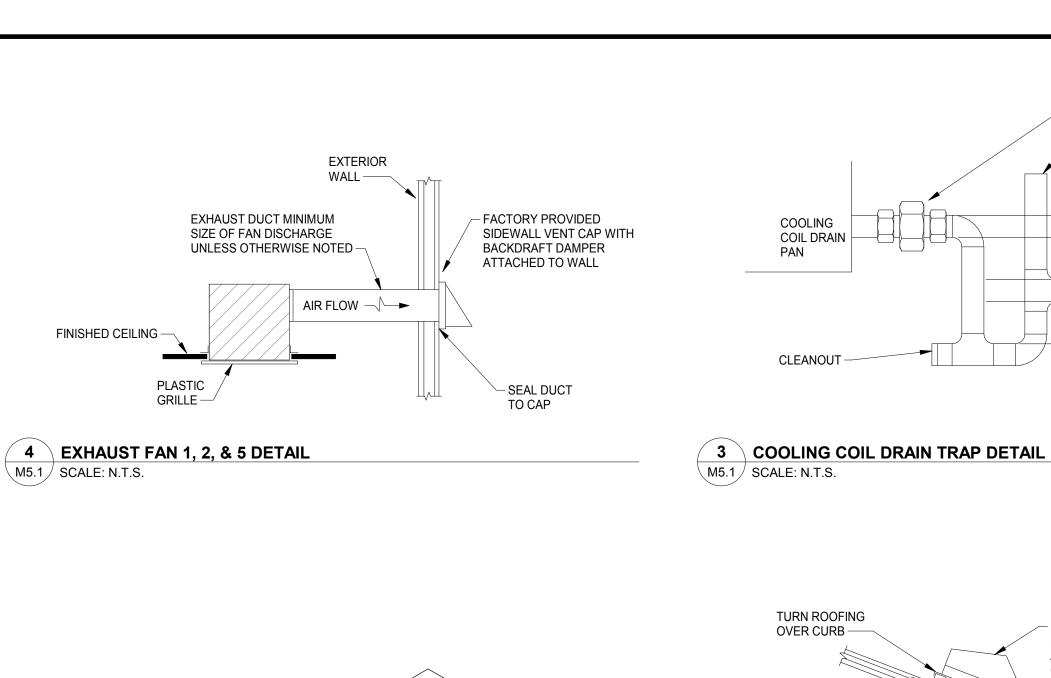
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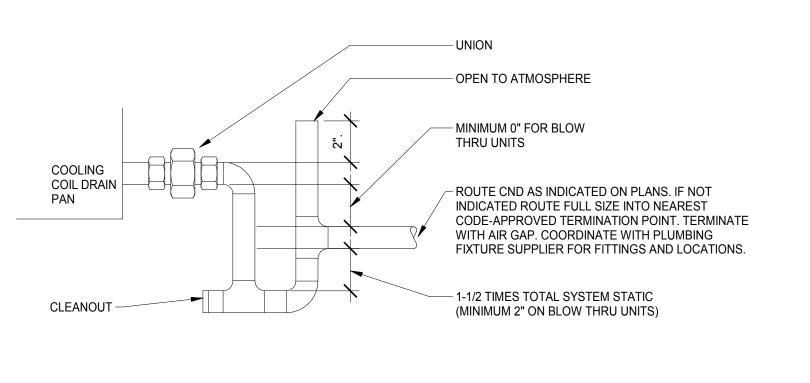


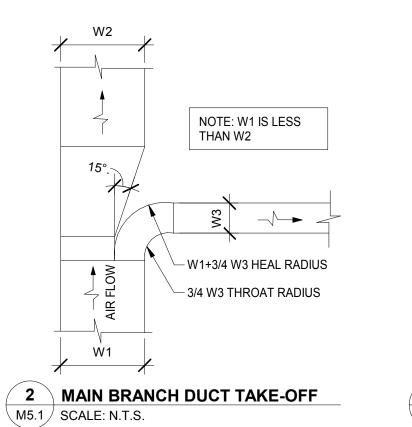
.7001 1821 AUDITOR'S OFFICE DEPARTMENT SECTION COUNTY FAIRFIELD REAL M

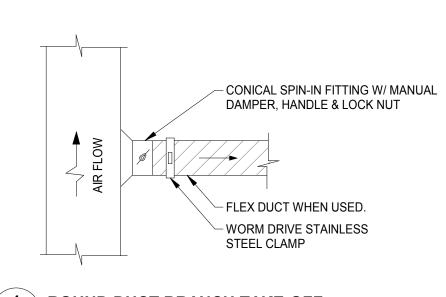


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LANCASTER	T FAIRFIELD COUNTY AUDITOR'S OFFICE		KEAL ESIAIE DEPAKIMENI			MECHANICAL ENLARGED PLANS	
DRAWING NUMBER					-		MECHANICAL

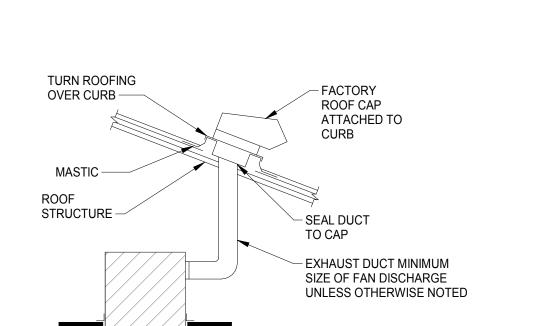




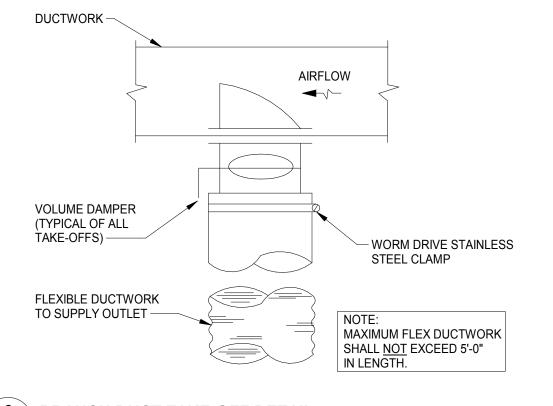




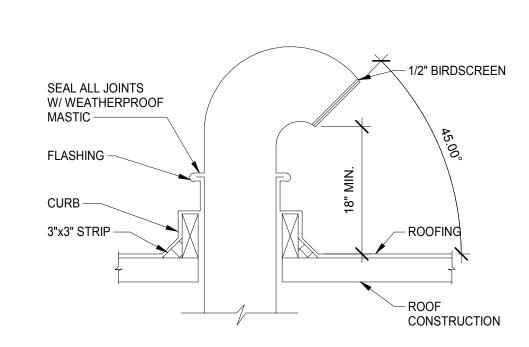
1 ROUND DUCT BRANCH TAKE-OFF M5.1 SCALE: N.T.S.



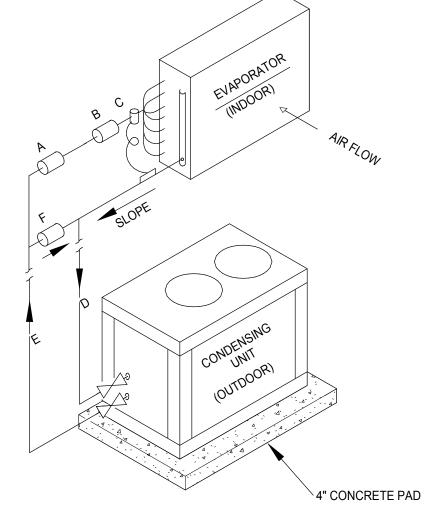










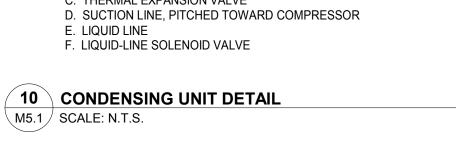


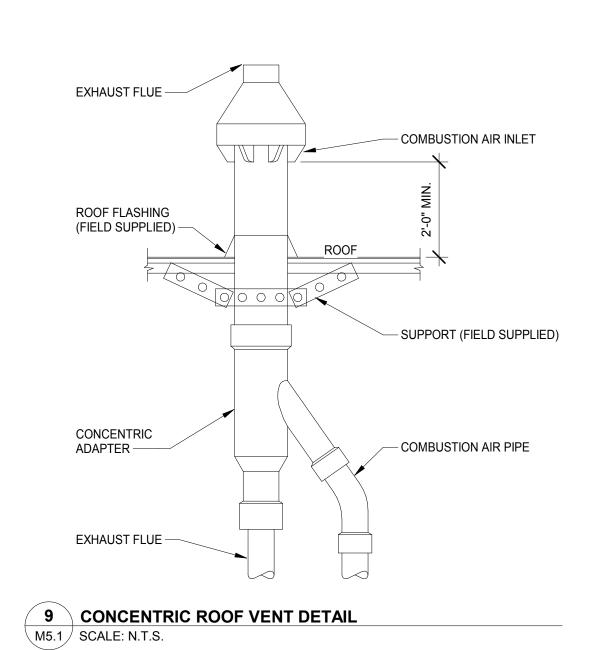
NOTES:

- 1. ALL PIPING AND PIPING COMPONENTS BY M.C.
- PITCH ALL HORIZONTAL LINES A MINIMUM OF 1/2" IN 10 FEET IN THE DIRECTION OF REFRIGERANT FLOW.
- 3. INSULATE ALL SUCTION LINES.
- 4. UNIT MANUFACTURER SHALL PROVIDE REFRIGERANT PIPING SCHEMATIC INCLUDING ALL LINES AND VALVE SIZES AND EXACT
- 5. PROVIDE LIQUID-LINE SOLENOID VALVE.

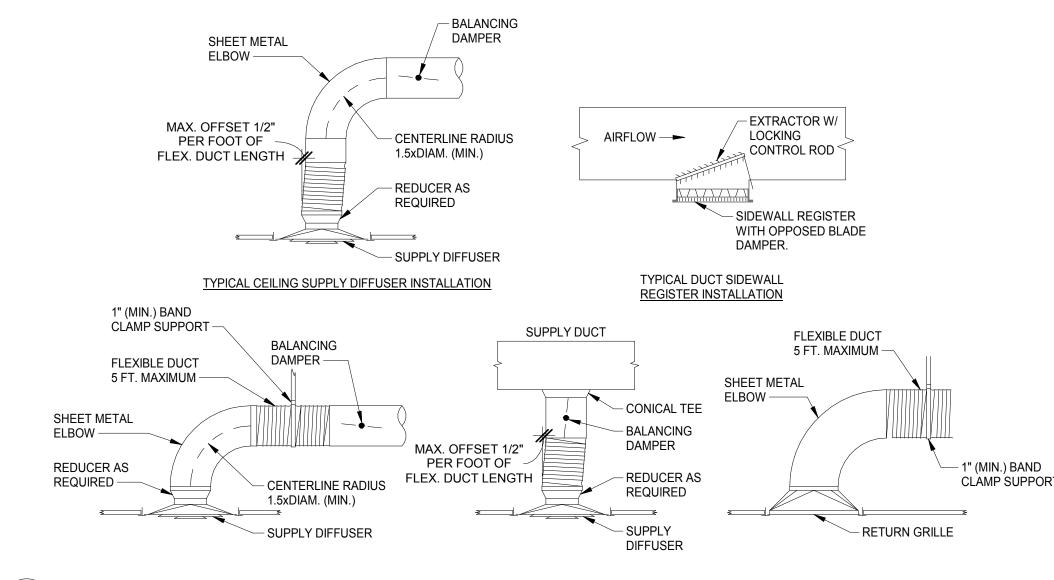
LEGEND:

- A. FILTER-DRIER
- B. SIGHTGLASS/MOISTURE INDICATOR C. THERMAL EXPANSION VALVE





FINISHED CEILING



8 TYPICAL CEILING SD AND RG INSTALLATIONS M5.1 SCALE: N.T.S.

FLEXIBLE DUCT 5 FT. MAXIMUM —	DESIGNED APPRV'D: DATE:	PROJECT 1821
SHEET METAL ELBOW 1" (MIN.) BAND CLAMP SUPPORT RETURN GRILLE	CASTER FAIRFIELD COUNTY AUDITOR'S OFFICE REAL ESTATE DEPARTMENT	DETAILS

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FURNACE SCHEDULE																							
						FURNACE					SI	JPPLY FA	٨N				CC	OOLING CO	IL				
		FURNACE	AIRFLOW	MIN O.A.	TOTAL		GAS INPUT	GAS OUTPUT	EFF	ESP		VOLT/	MCA	MOCP		APD	EAT (F)	LAT (F)	TOTAL	SENSIBLE	OUTDOOR		
TAG	MANUF.	MODEL	(CFM)	(CFM)	(BTUH)	EAT/LAT (F)	(BTUH)	(BTUH)	(%)	(IN WC)	HP	PH	(A)	(A)	COIL MODEL	(IN WC)	DB/WB	DB/WB	(BTUH)	(BTUH)	UNIT	WEIGHT	NOTES
F-1	TRANE	S9X2B060U4PSA	1,500	240	58,000	60.0/95.8	60,000	58,000	96.0	0.5	0.75	120/1	11.3	15.0	4TXCB006DS3	0.56	78.8/64.1	54.5/53.4	45,700	38,900	ACCU-1	175 LB	1,2,3,4
F-2	TRANE	S9X2B060U4PSA	1,500	235	58,000	60.0/95.8	60,000	58,000	96.0	0.5	0.75	120/1	11.3	15.0	4TXCB006DS3	0.56	78.3/64.4	54.8/53.8	45,900	37,600	ACCU-2	175 LB	1,2,3,6
F-3	TRANE	S9X2C080U5PSA	1,600	200	78,000	60.0/105.9	80,000	78,000	96.0	0.5	1.00	120/1	14.4	15.0	4TXCC007DS3	0.36	78.4/64.2	54.9/54.0	46,300	39,500	ACCU-3	190 LB	1,2,3,4
F-4	TRANE	S9X2B060U4PSA	1,310	160	58,000	60.0/101.0	60,000	58,000	96.0	0.5	0.75	120/1	11.3	15.0	4TXCB006DS3	0.34	78.9/64.1	55.9/53.8	38,700	32,100	ACCU-4	175 LB	1,2,3,4
F-5A	TRANE	S9X2B060U4PSA	1,225	140	58,000	60.0/103.8	60,000	58,000	96.0	0.5	0.75	120/1	11.3	15.0	4TXCB006DS3	0.30	78.1/64.2	55.3/53.3	38,400	29,800	ACCU-5A	175 LB	1,2,3,4,5
F-5B	TRANE	S9X2B060U4PSA	1,225	140	58,000	60.0/103.8	60,000	58,000	96.0	0.5	0.75	120/1	11.3	15.0	4TXCB006DS3	0.30	78.1/64.2	55.3/53.3	38,400	29,800	ACCU-5B	175 LB	1,2,3,4,5
F-6	TRANE	S9X2B060U4PSA	1,285	160	58,000	60.0/101.8	60,000	58,000	96.0	0.5	0.75	120/1	11.3	15.0	4TXCB006DS3	0.33	78.0/64.2	55.8/53.7	38,700	30,400	ACCU-6	175 LB	1,2,3,4

1. PROVIDE STARTER/DISCONNECT PER DIVISION 26.

2. PROVIDE FILTER AND RACK, AND LIQUID-LINE SOLENOID VALVE.

3. PROVIDE WITH COMBINATION CONCENTRIC VENT. REFER TO 9/M5.1.
4. PROVIDE PROGRAMMABLE CONTROLLER WITH A CONTROL SEQUENCE TO BE PROVIDED PER SPECIFICATION. UNIT SHALL BE PROVIDED WITH STANDARD TEMPERATURE CONTROLS AND SAFETIES PRE-WIRED TO TERMINAL STRIP FOR USE BY BUILDING AUTOMATION SYSTEM.
5. PROVIDE TWINNING KIT AND INSTALL PER MANUFACTURER RECOMMENDATION.

6. PROVIDE WITH COMBINATION CONCENTRIC SIDE WALL VENT KIT.

			AIR	COOLE	D CONDEN	SING UNIT S	SCHEDU	JLE					
						DESIGN			COMPR	ESSOR	ELECT	RICAL	
			EQUIPMENT	VOLT/	NOMINAL	AMBIENT		REF			MCA		
TAG	MANUFACTURER	MODEL	SERVED	PH	TONS	TEMP (F)	SEER	TYPE	NO.	RLA/LRA	(A)	MCB	NOTES
ACCU-1	TRANE	4TTR4048L1	F-1	208/1	4.0	95	14.50	R-410	1	18.5/124.0	24	40	1,2,3,4
ACCU-2	TRANE	4TTR4048L1	F-2	208/1	4.0	95	14.50	R-410	1	18.5/124.0	24	40	1,2,3,4
ACCU-3	TRANE	4TTR4048L1	F-3	208/1	4.0	95	15.00	R-410	1	18.5/124.0	24	40	1,2,3,4
ACCU-4	TRANE	4TTR4043L1	F-4	208/1	3.6	95	15.00	R-410	1	16.7/109.0	22	35	1,2,3,4
ACCU-5A	TRANE	4TTR4043L1	F-5A	208/1	3.6	95	15.00	R-410	1	16.7/109.0	22	35	1,2,3,4
ACCU-5B	TRANE	4TTR4043L1	F-5B	208/1	3.6	95	15.00	R-410	1	16.7/109.0	22	35	1,2,3,4
ACCU-6	TRANE	4TTR4043L1	F-6	208/1	3.6	95	15.00	R-410	1	16.7/109.0	22	35	1,2,3,4
ACCU-7	MITSUBISHI ELECTRIC	PUZ-A30NHA7	DSS-1	208/1	1.5	95	15.30	R-410	1	-/-	13	15	1,2,3,4

1. PROVIDE STARTER/DISCONNECT PER DIVISION 26.

2. PROVIDE CRANKCASE HEATER, LOW-AMBIENT KIT, WINTER START KIT, AND WIND BAFFLE.

3. REFER TO DETAIL 10/M5.1. SIZE REFRIGERANT PIPING PER MANUFACTURER RECOMMENDATION.

4. FURNISH WITH 4" CONCRETE PAD.

		[DUCTLESS SPL	IT INDOOR	UNIT SCHEDU	ILE			
			CAPACITY		Е	LECTRICAL		OUTDOOR	
TAG	MANUFACTURER	MODEL	(BTUH)	CFM	VOLT / PH.	MCA	FLA	UNIT	NOTES
DSS-1	MITSUBISHI ELECTRIC	PKA-A18HA7	18,000	425	208/1	1	0.33	ACCU-7	1,2,3

1. PROVIDE STARTER/DISCONNECT PER DIVISION 26.

2. REFER TO DETAIL 10/M5.1. SIZE REFRIGERANT PIPING PER MANUFACTURER RECOMMENDATION.

3. PROVIDE OPTIONAL DRAIN PUMP FROM MANUFACTURER.

	CEILING FAN SCHEDULE									
TAG	MANUF.	MODEL NO.	CFM	SP (IN WC)	RPM	POWER (W)	VOLT/PH	NOTES		
EF-1	LOREN COOK	GC-128	70	0.12	750	28.1	115/1	1,2,3		
EF-2	LOREN COOK	GC-128	70	0.07	750	28.1	115/1	1,2,3		
EF-3	LOREN COOK	GC-128	70	0.12	750	28.1	115/1	1,2,4		
EF-4	LOREN COOK	GC-128	70	0.07	750	28.1	115/1	1,2,4		
EF-5	LOREN COOK	GC-128	65	0.07	750	28.1	115/1	1,2,3		

0.015

1. MANUFACTURER PROVIDED STARTER/DISCONNECT PER DIVISION 26 SPECIFICATIONS.

4. PROVIDE ROOF VENT CAP AND BACKDRAFT DAMPER. REFER TO DETAIL 7/M5.1

SD-1 PRICE SCDA 6 12x12 65 0.018

SD-3 PRICE SCDA 8 24x24 160 0.020

SD-4 PRICE SCDA 10 24x24 270 0.033

SD-5 PRICE SCDA 12 24x24 465 0.033

SR-1 PRICE 510 16x8 18x10 225 0.017

SD-2 PRICE SCDA 6 24x24 70

2. FAN SHALL OPERATE WHEN THE LIGHT SWITCH IS ON. 3. PROVIDE SIDEWALL VENT WITH WALL CAP AND BACKDRAFT DAMPER. REFER TO DETAIL 4/M5.1.

							AIR TERMINAL SCHEDULE			
			NECK	PANEL	MAX	PRESSURE				
TAG	MANUF.	MODEL	SIZE	SIZE	CFM	(IN)	STYLE	INSTALLATION	FINISH	NC
LD-1	PRICE	SDS75	6	48"	150	0.077	LINEAR SUPPLY DIFFUSER, 3/4" @ 2 SLOTS, 45° THROW, W - FLANGE END, SDBI TO FIT SDS75	WALL MOUNT	B12 WHITE	<15
LR-1	PRICE	SDR75	6	48"	120	0.040	LINEAR RETURN GRILLE, 3/4" @ 2 SLOTS, W - FLANGE END, SDBI TO FIT SDR75	WALL MOUNT	B12 WHITE	15
RG-1	PRICE	530	6x6	8x8	50	0.022	RETURN GRILLE, 3/4" SPACING, 45° SINGLE DEFLECTION	DUCTED	B12 WHITE	<15
RG-2	PRICE	530	10x10	12x12	200	0.031	RETURN GRILLE, 3/4" SPACING, 45° SINGLE DEFLECTION	LAY-IN	B12 WHITE	<15
RG-3	PRICE	530	16x8	18x10	200	0.018	RETURN GRILLE, 3/4" SPACING, 45° SINGLE DEFLECTION	WALL MOUNT	B12 WHITE	<15
RG-4	PRICE	530	10x22	12x24	445	0.044	RETURN GRILLE, 3/4" SPACING, 45° SINGLE DEFLECTION	LAY-IN	B12 WHITE	15
RG-5	PRICE	80	10x10	12x12	340	0.043	RETURN GRILLE, 1/2" SQUARE, 1/2" DEPTH, 0 CORE° DEFLECTION	LAY-IN	B12 WHITE	<15
RG-6	PRICE	80	10x22	12x24	695	0.036	RETURN GRILLE, 1/2" SQUARE, 1/2" DEPTH, 0 CORE° DEFLECTION	LAY-IN	B12 WHITE	<15

SUPPLY DIFFUSER, 3 CONE

SUPPLY DIFFUSER, 4 CONE

SUPPLY DIFFUSER, 4 CONE

SUPPLY DIFFUSER, 4 CONE

SUPPLY DIFFUSER, 4 CONE

SUPPLY REGISTER, 3/4" SPACING, 22.5° DOUBLE DEFLECTION

LAY-IN / DUCTED | B12 WHITE | <15 |

WALL MOUNT B12 WHITE <15

LAY-IN

LAY-IN

LAY-IN

LAY-IN

		ELECTRI	C UNIT HEA	TER SCHE	DULE						
			CAPACITY	ELECTF	RICAL [DATA	FAN I	MOTO	R DATA	MOUNTING	
TAG	MANUFACTURER	MODEL NO.	(MBH)	VOLT/PH	K.W.	AMPS	CFM	RPM	HP	HEIGHT	NOTES
EUH-1	1 MARLEY ENGINEERED PRODUCTS QMARK MUH05-81 17 208/1 5 24 350 1600 1/100 6'-0" 1										

1. PROVIDE THERMAL OVERLOAD PROTECTION, BUILT-IN DISCONNECT SWITCH AND FAN DELAY SWITCH, BUILT-IN DISCONNECT SWITCH.

	ELECTRIC BASEBOARD HEATER SCHEDULE											
	CAPACITY ELECTRICAL DATA											
TAG	MANUFACTURER	MODEL NO.	(BTUH)	VOLT/PH	WATTS	AMPS	LENGTH	NOTES				
EBH-1	EBH-1 MARLEY ENGINEERED PRODUCTS BERKO BKOC2506W 5,120 208/1 1500 7.2 6' - 0" 1											

1. PROVIDE INTEGRAL THERMOSTAT WITH LABEL, THERMAL OVERLOAD PROTECTION, BUILT-IN DISCONNECT SWITCH.

	ELECTRIC WALL UNIT HEATER SCHEDULE											
			CAPACITY ELECTRICAL DATA MOUNTING									
TAG	MANUFACTURER	MODEL NO.	(BTUH)	VOLT/PH	WATTS	AMPS	HEIGHT	NOTES				
EWH-1	MARLEY ENGINEERED PRODUCTS	QMARK AWH3150F	5,118	120/1	1500	12.5	2'-4"	1				

1. PROVIDE INTEGRAL THERMOSTAT WITH LABEL, THERMAL OVERLOAD PROTECTION, BUILT-IN DISCONNECT SWITCH.

PUMP SCHEDULE												
			CAPACITY			ELEC	TRICAL					
TAG	MANUF.	MODEL	GALLON	FEET HD	MOTOR	VOLTS	PHASE	REMARKS				
CP-1	ZOELLER	MODEL 521	1	11	1/6	115 V	1	1,2				

1. PROVIDE INVERTED U AT THE HIGHEST POINT OF THE DISCHARGE LINE. 2. INSTALL UNIT ON FLOOR CLOSE TO WALL.

8

SCHEDULES

QUIPMENT

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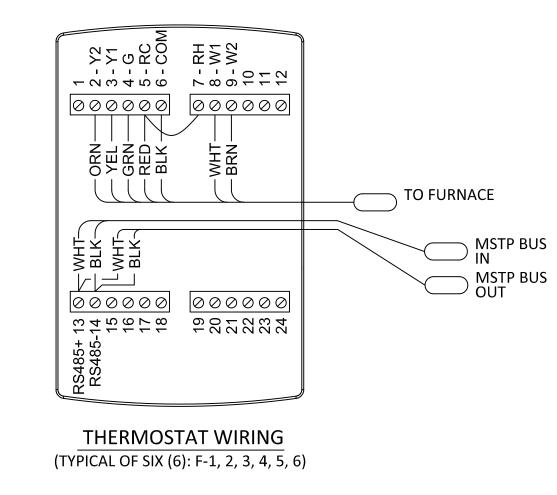
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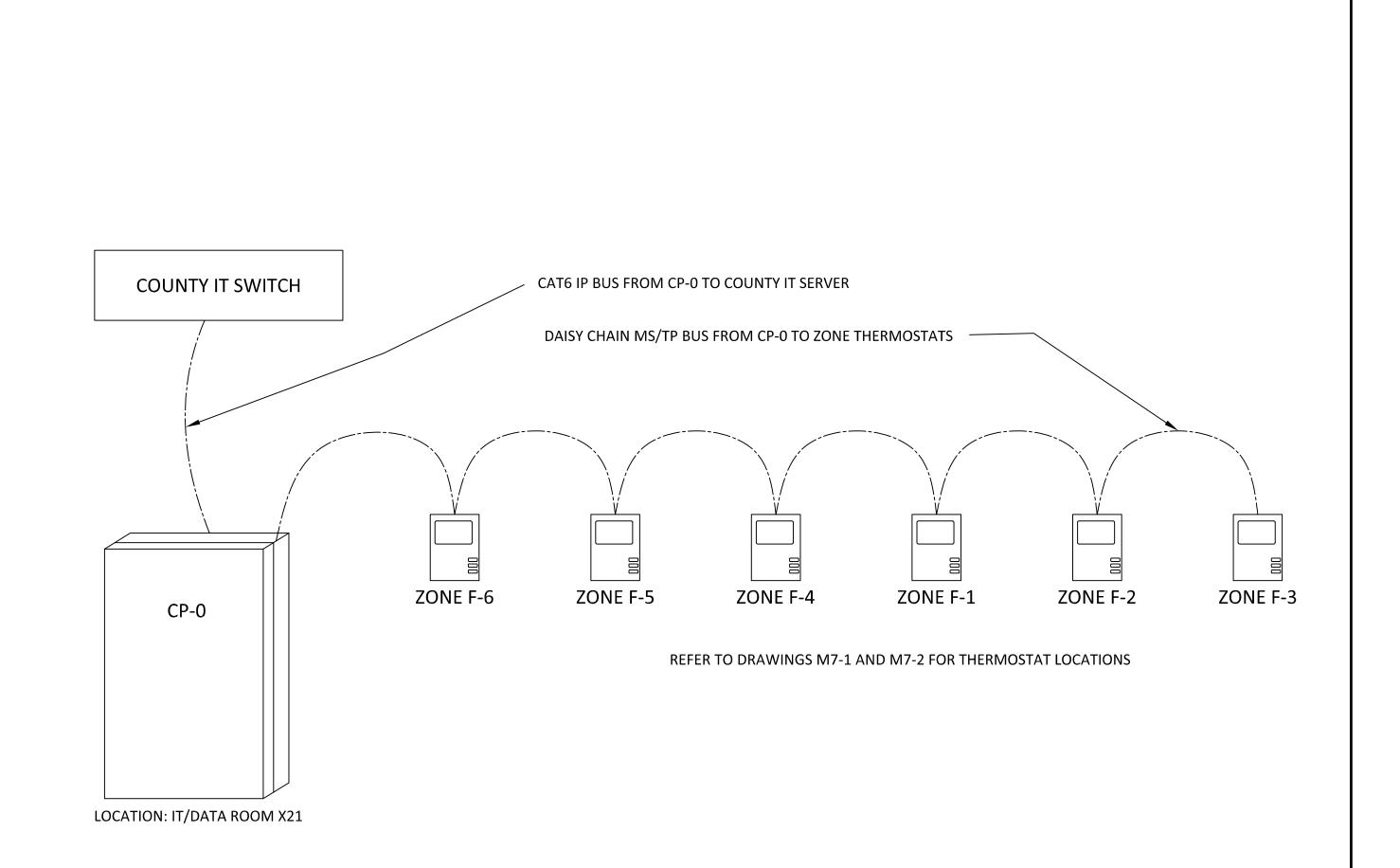
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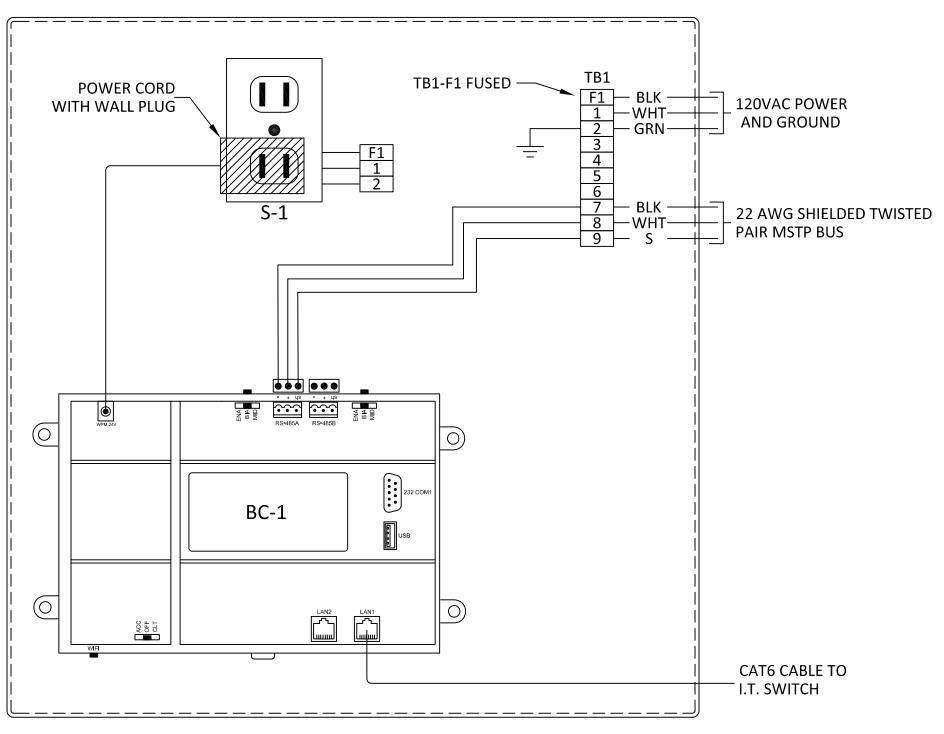
CONTROL NOTES

- A.- PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE MECHANICAL SYSTEMS AS INDICATED ON THE DRAWINGS AND AS SPECIFIED.
- B.- ALL WORK SHALL BE INSTALLED ACCORDING TO THE LATEST LOCAL, STATE AND NATIONAL CODES.
- C.- CONTRACT DOCUMENT DRAWINGS FOR MECHANICAL WORK ARE DIAGRAMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY.
- D.- COORDINATE CONSTRUCTION OF ALL MECHANICAL WORK WITH ARCHITECTURAL, STRUCTURAL, CIVIL, ELECTRICAL WORK, ETC., SHOWN ON OTHER CONTRACT DOCUMENT DRAWINGS.
- E.- PROVIDE INSULATED SUBBASES ON ALL THERMOSTATS/TEMPERATURE SENSORS LOCATED ON EXTERIOR WALLS.
- F.- LOCATION AND SIZES OF ALL FLOOR, WALL AND ROOF OPENINGS SHALL BE COORDINATED WITH ALL OTHER TRADES INVOLVED.
- G.- ALL PENETRATIONSS IN FIRE-RATED WALLS DUE TO DUCTWORK, PIPING, CONDUIT, ETC., SHALL BE FIRE STOPPED. SEE SPECIFICATIONS/DETAILS FOR REQUIREMENTS.

- H.- THE FOLLOWING WILL BE PROVIDED BY THE OWNER:
 - CONTROL PANEL CP-0 (MAIN BUILDING CONTROL PANEL)
 BACNET MSTP NETWORK COMMUNICATING THERMOSTATS
- I.- OWNER PROVIDED THERMOSTATS AND CONTROL PANEL SHALL BE FURNISHED TO HVAC CONTRACTOR FOR INSTALLATION
- J.- THERMOSTAT INSTALLATION TO INCLUDE MOUNTING IN DESIGNATED LOCATION AND TERMINATING MSTP BUS WIRING AND 8-CONDUCTOR CABLE TO THE FURNACE AS SHOWN ON THERMOSTAT DETAIL
- K.- CONTROL PANEL (CP-0) INSTALLATION TO INCLUDE MOUNTING THE PANEL, PROVIDING 120V POWER FEED, AND TERMINATING WIRES AS SHOWN ON CP-0 DETAIL







CONTROL PANEL CP-0 LOCATED IN IT/DATA ROOM X21 PANEL PROVIDED BY OWNER



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ORMATION

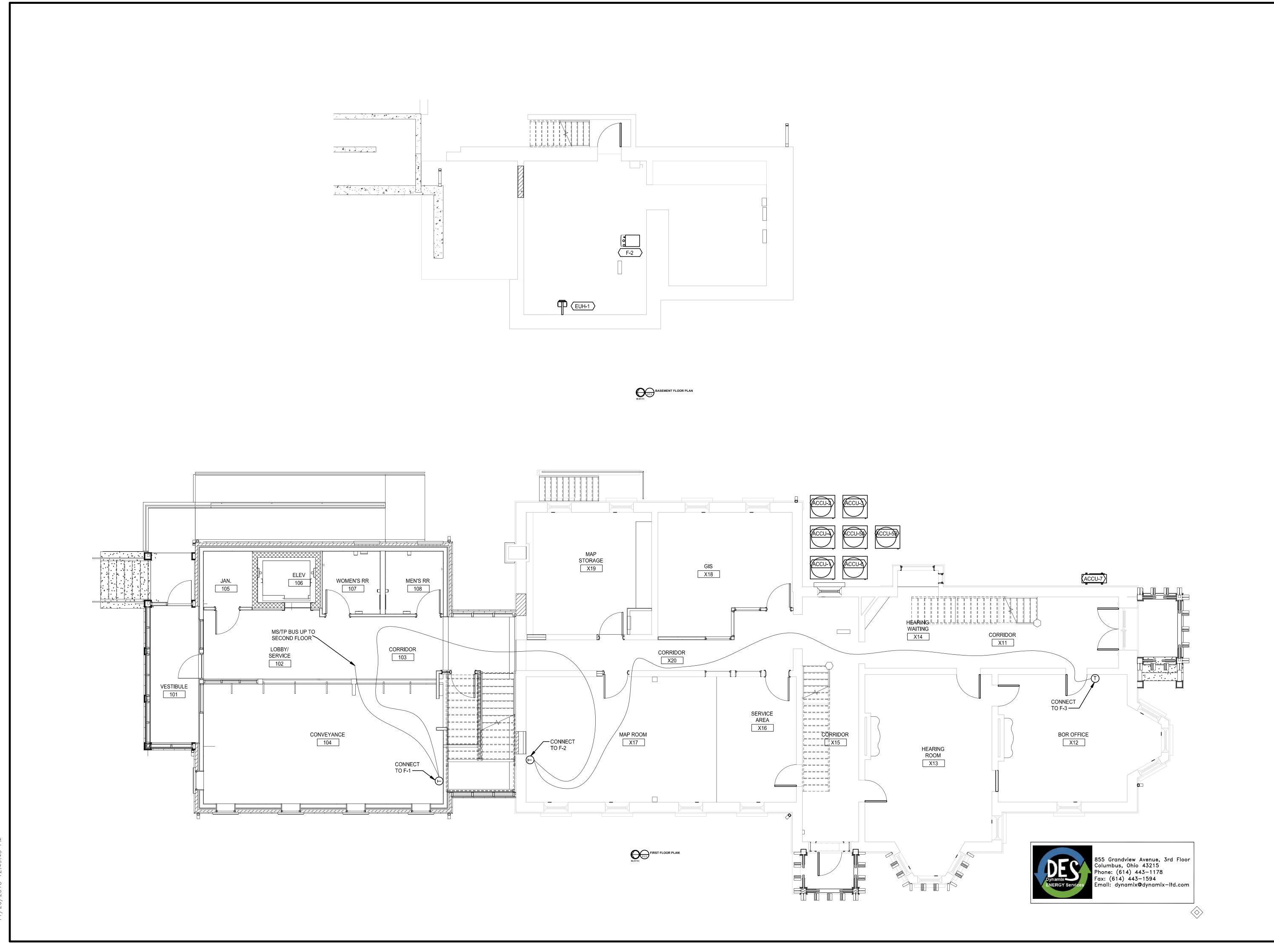
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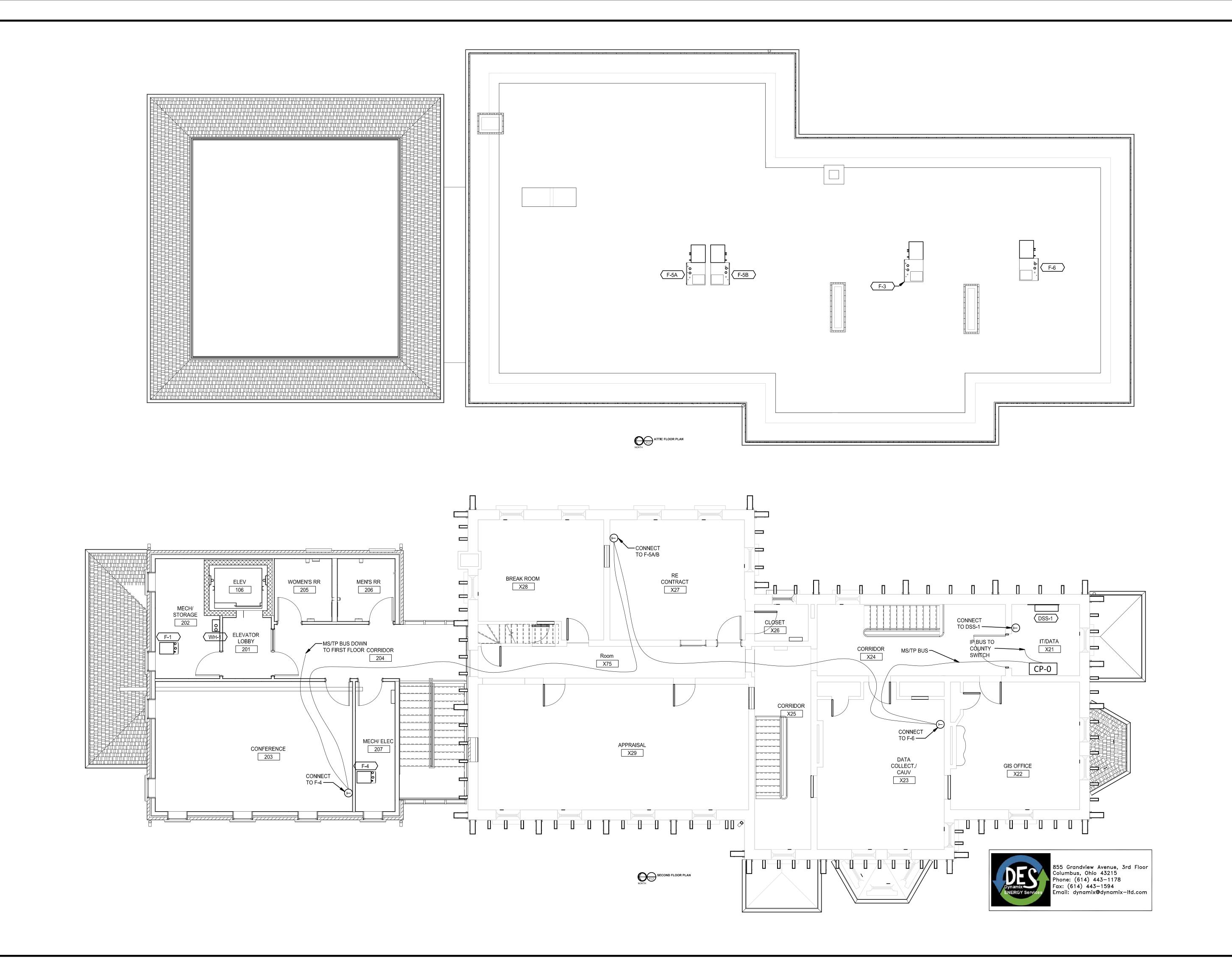
FAIRFIELD REAL FLOOR

FIRST

ROUTING

BUS

MSTP



.7001 1821 FLOOR AUDITOR'S OFFICE DEPARTMENT SECOND ROUTING COUNTY ESTATE FAIRFIELD REAL BUS MSTP **M**

ELECTRICAL SYMBOLS:

\bigoplus	DUPLEX RECEPTACLE, 125V, 20A. INSTALL DEVICE AT +18" A.F.F., U.O.N.
\Re	DUPLEX RECEPTACLE, 125V, 20A. INSTALL DEVICE ABOVE COUNTER. REFER TO ARCHITECTURAL PLANS FOR ELEVATIONS.
Φ	DUPLEX RECEPTACLE ON EMERGENCY CIRCUIT, 125V, 20A. INSTALL DEVICE AT +18" A.F.F., U.O.N.
\P	DUPLEX RECEPTACLE ON EMERGENCY CIRCUIT, 125V, 20A. INSTALL DEVICE ABOVE COUNTER. REFER TO ARCHITECTURAL PLANS FOR ELEVATIONS.
	DUPLEX RECEPTACLE CEILING MOUNTED 125V, 20A. REFER TO SPECIFICATIONS AND DRAWINGS FOR FURTHER DETAILS.
	DUPLEX RECEPTACLE CEILING MOUNTED ON EMERGENCY CIRCUIT 125V, 20A. REFER TO SPECIFICATIONS AND DRAWINGS FOR FURTHER DETAILS.
lacksquare	DUPLEX RECEPTACLE FLOOR BOX 125V, 20A. REFER TO SPECIFICATIONS AND DRAWINGS FOR FURTHER DETAILS.
#	QUAD RECEPTACLE, 125V, 20A. INSTALL DEVICE AT +18" A.F.F., U.O.N.
#	QUAD RECEPTACLE, 125V, 20A. INSTALL DEVICE ABOVE COUNTER. REFER TO ARCHITECTURAL PLANS FOR ELEVATIONS.
•	QUAD RECEPTACLE ON EMERGENCY CIRCUIT, 125V, 20A. INSTALL DEVICE AT +18" A.F.F., U.O.N.
•	QUAD RECEPTACLE ON EMERGENCY CIRCUIT, 125V, 20A. INSTALL DEVICE ABOVE COUNTER. REFER TO ARCHITECTURAL PLANS FOR ELEVATIONS.
Φ	SPECIAL RECEPTACLE, REFER TO MANUFACTURER REQUIREMENTS. INSTALL DEVICE AT +18" A.F.F., U.O.N.
•	SPECIAL RECEPTACLE ON EMERGENCY CIRCUIT, REFER TO MANUFACTURER REQUIREMENTS. INSTALL DEVICE AT +18" A.F.F., U.O.N.
J	JUNCTION BOX
R	RELAY
\$	TOGGLE SWITCH, 120/277V, 1-POLE, 20A.
\$ 3	TOGGLE SWITCH, THREE WAY TYPE, 120/277V, 20A.
\$ 4	TOGGLE SWITCH, FOUR WAY TYPE, 120/277V, 20A.
\$ _D	DIMMABLE SWITCH, 120/277V, 20A.
\$ _M	MANUAL MOTOR STARTER.
(OC)	DUAL TECHNOLOGY OCCUPANCY SENSOR, CEILING MOUNT, COVERAGE OF SENSOR DEPENDENT ON ROOM SIZE.
\$os	DUAL TECHNOLOGY OCCUPANCY SENSOR WALL SWITCH. COVERAGE OF SENSOR DEPENDENT ON ROOM SIZE.
	DISTRIBUTION PANELBOARD, SEE SCHEDULE FOR ADDITIONAL INFORMATION.
4	NON-FUSED DISCONNECT SWITCH, SEE DRAWINGS FOR ADDITIONAL INFORMATION
4	FUSED DISCONNECT SWITCH, SEE DRAWINGS FOR ADDITIONAL INFORMATION
	STARTER, SEE DRAWINGS FOR ADDITIONAL INFORMATION
4	STARTER/DISCONNECT COMBINATION, SEE DRAWINGS FOR ADDITIONAL INFORMATION
	VARIABLE FREQUENCY DRIVE, SEE DRAWINGS FOR ADDITIONAL INFORMATION
-	VARIABLE FREQUENCY DRIVE AND DISCONNECT COMBINATION, SEE DRAWINGS FOR ADDITIONAL INFORMATION
\boxtimes	MAGNETIC MOTOR STARTER NUMBER INDICATES NEMA RATING, SIZE 1 U.O.N.
\bigcirc	MOTOR. BY OTHERS, U.O.N.
∕∕ _{FD}	SMOKE DAMPER. BY OTHERS, U.O.N. CONNECT TO 120V BRANCH CIRCUIT AND FIRE ALARM CONTROL. PROVIDE DUCT DETECTOR AND TURN ON DAMPER.
RAID	FIRE ALARM RELAY ADDRESSABLE INTERFACE DEVICE
F	FIRE ALARM MANUAL PULL STATION
E ¹³⁵	FIRE ALARM HEAT DETECTOR. SURFACE MOUNT ON CEILING
a= @	

FIRE ALARM SMOKE DETECTOR; P=PHOTOELECTRIC; R=ELEVATOR RECALL

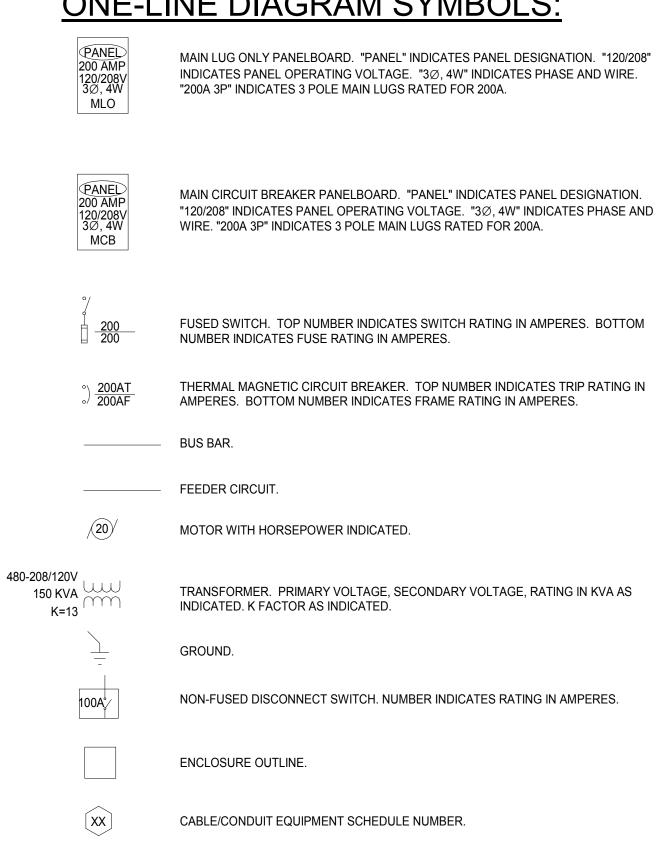
PROVIDE CONNECTION FOR DAMPER/FAN MOTOR CONTROL.

FIRE ALARM DUCT MOUNTED SMOKE DETECTOR, HOUSING, AND SAMPLING TUBE.

FIRE ALARM AUDIBLE AND VISUAL STROBE COMBO DEVICE; WP=WEATHERPROOF

POTS ▼	PLAIN OLD TELEPHONE SYSTEM OUTLET. PROVIDE (1) CAT 6 CABLE WITH (1) RJ11 JACK. INSTALL DEVICE WITH BOTTOM AT +16" AFF., U.O.N.
2 TC ▼ SCREEN	COMBINATION TELEPHONE/DATA 6-PORT OUTLET SINGLE GANG. NUMBER = TOTAL QUANTITY OF JACKS AND CAT.6 CABLES TO EACH DEVICE. TC = TIME CLOCK, COORDINATE EXACT LOCATION WITH OWNER BEFORE ROUGH-IN. SCREEN = INFORMATION SCREEN, COORDINATE EXACT LOCATION WITH OWNER BEFORE ROUGH-IN. INSTALL WITHIN A 4" x 4" EXTRA DEEP BOX AT +18" A.F.F., U.O.N.
TV V	COMBINATION TELVISION/DATA 4-PORT OUTLET. PROVIDE 1-DATA AND 1-TELEVISION JACK WITHIN RECEPTACLE. PROVIDE (1) CAT.6 CABLE AND (1) COAX CABLE. INSTALL WITHIN A 4" x 4" EXTRA DEEP BOX.
lacktriangledown	RECESSED POKE-THROUGH OUTLET IN FLOOR WITH FURNITURE FEED. REFER TO KEYNOTES FOR QUANTITY OF CAT.6 CABLES TO BE INSTALLED.
	CONDUIT CONCEALED IN GROUND OR FLOOR.
\	CONDUIT UP AND DOWN RESPECTIVELY.
Es	ELECTRIC STRIKE PROVIDED BY DOOR HARDWARE CONTRACTOR
CA	CARD ACCESS POINT. PROVIDE 1-GANG BOX WITH (2)-1/2"C WITH PULLSTRINGS. STUBBED OUT ABOVE NEAREST ACCESSIBLE CEILING FOR CONTROL AND POWER WIRING. MOUNT BOX AT +48" AFF U.O.N.
KP	ACCESS CONTROL KEYPAD (TO ACTIVATE/DEACTIVATE SYSTEM) MOUNT AT +54" AFF MAX.
	SECURITY CAMERA
WAP	WIRELESS ACCESS POINT; DEVICE PROVIDED BY OWNER.
A 1	LIGHT FIXTURE. "A" INDICATES FIXTURE TYPE. REFER TO LIGHT FIXTURE SCHEDULE ON E5.1
A 1	LIGHT FIXTURE WITH HALF SOLID SHADING INDICATES FIXTURE IS TO CONTAIN AN EMERGENCY BATTERY BACKUP. REFER TO LIGHT FIXTURE SCHEDULE ON E5.1.
S	CEILING MOUNTED SPEAKER, TIED TO PAGING SYSTEM
$[s]_{W}$	WALL MOUNTED SPEAKER, TIED TO PAGING SYSTEM
PC	PHOTOCELL
	BRANCH CIRCUIT HOME-RUN SYMBOLOGY: — SOLID CIRCLE INDICATES GROUND CONDUCTOR
	— LONG LINE INDICATES NEUTRAL CONDUCTOR(S)
	— SHORT LINE INDICATES PHASE CONDUCTOR(S)

Α	AMPERES	MLO	MAIN LUG ONLY
A.F	AMPERE FUSE	MTS.	MANUAL TRANSFEI
A.F.C.	ABOVE FINISHED COUNTER	NEC	NATIONAL ELECTR
A.F.F.	ABOVE FINISHED FLOOR	NL	NON-SWITCHED NI
A.F.G.	ABOVE FINISHED GRADE	NTRL.	NEUTRAL
A.I.C.	AMPERES INTERRUPTING CAPACITY	NTS	NOT TO SCALE
ATS	AUTOMATIC TRANSFER SWITCH	OL.	OVERLOADS
A.W.G.	AMERICAN WIRE GAUGE	Р	POLE
BSMT.	BASEMENT	POE	POWER OVER ETH
C.	CONDUIT	Ø	PHASE
C.B.	CIRCUIT BREAKER	RCPT.	RECEPTACLE
DED.	DEDICATED	RECEPT.	RECEPTACLE
DFA	DROP FROM ABOVE	RM.	ROOM
DIV.	DIVISION	SP.	SPARE
D.S	DISCONNECT SWITCH	SPEC	SPECIFICATIONS
EX	EXISTING TO REMAIN	SSOL	SOLID STATE OVER
EC	ELECTRICAL CONTRACTOR	ST	SAFETY TYPE
FAAP	FIRE ALARM ANNUNCIATOR PANEL	SW.	SWITCH
FACP	FIRE ALARM CONTROL PANEL	T.B.I.	TO BE INSTALLED
G. GFI	GROUND GROUND FAULT INTERRUPT	T.B.R.	TO BE REMOVED
GFCI	GROUND FAULT CIRCUIT INTERRUPT	TWSH.	TWISTED SHIELDE
		TYP.	TYPICAL
GRND H.O.A.	GROUND HAND OFF AUTOMATIC	U.O.N.	UNLESS OTHERWI
H.L.O.A.	HIGH LOW OFF AUTOMATIC	U.P.S.	UNINTERRUPTABL
HNDLR	HANDI FR	V	VOLTS
	KILO-AMPERES INTERRUPTING CAPACITY	V.F.D.	VARIABLE FREQUE
KAIC		W	WIRE
KVA KW	KILO-VOLT-AMPS KILOWATTS	WP	WEATHERPROOF

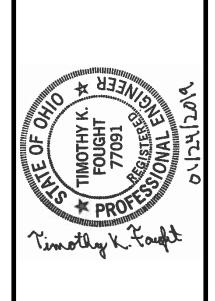


DEMOLITION NOTES:

- A. ALL EXISTING SYSTEMS (LIGHTING, POWER, SYSTEMS) TO BE REMOVED COMPLETE, UNLESS OTHERWISE NOTED. DISCONNECT AND REMOVE ALL ASSOCIATED ELECTRICAL ITEMS (I.E.
- C. ALL BUILDING SURFACES DAMAGED, OR OPENINGS LEFT BY REMOVAL OF BOXES, PIPING OR
- D. WHERE NEW OPENINGS ARE CUT AND CONCEALED CONDUITS, ETC ARE ENCOUNTERED THEY SHALL BE REMOVED OR RELOCATED AS REQUIRED. WHERE CONDUIT TO BE REMOVED TO THE POINT WHERE THE FINISH SURFACES CAN BE PATCHED ADEQUATELY SO THAT NO EVIDENCE OF THE FORMER INSTALLATION REMAINS.
- AREAS. CONTRACTOR SHALL COOPERATE IN THIS DEMOLITION TO ENSURE THAT POWER IS OFF AND THAT ELECTRICAL EQUIPMENT WHICH MUST REMAIN IS PROPERLY PROTECTED.
- F. SALVAGE: ALL RE-USABLE DEVICES, FIXTURES AND EQUIPMENT SHALL BECOME THE PROPERTY OF THE OWNER AND SHALL BE STORED BY THE CONTRACTOR IN A ROOM TO BE DESIGNATED BY THE OWNER. ALL OTHER SALVAGE AND DEBRIS SHALL BE REMOVED FROM

GENERAL NOTES:

- A. DRAWINGS ARE DIAGRAMMATIC. ALL DIMENSIONS SHOWN ARE APPROXIMATE. ALL LOCATIONS
- THE OHIO ELECTRICAL CODE AMENDMENTS, LOCAL/MUNICIPAL CODES, AND THE AUTHORITY
- C. ALL CONNECTIONS TO EQUIPMENT SUBJECT TO MOVEMENT OR VIBRATION SHALL BE LIQUID TIGHT FLEXIBLE METAL CONDUIT, NOT LESS THAN 12" IN LENGTH, NOR GREATER THAN 36" IN
- D. PENETRATIONS THROUGH FIRE RATED WALLS BY DIVISION 26 CONTRACTOR SHALL BE SEALED
- F. ALL POWER AND LIGHTING CIRCUITS SHALL BE MINIMUM (2)#12, AND (1) #12 G, IN 3/4" CONDUIT
- G. ALL CONTROL WIRING SHALL BE NOT LESS THAN (2) #14, (1) #14G, 3/4"C, UON.
- H. ALL CABLES INSTALLED IN AIR HANDLING PLENUMS SHALL BE PLENUM RATED CABLE.
- HOME RUNS SHALL NOT BE COMBINED IN A RACEWAY UNLESS SHOWN ON THE CONTRACT DRAWINGS. SINGLE PHASE BRANCH CIRCUIT HOME RUNS MAY BE COMBINED AT THE CONTRACTOR'S DISCRETION NOT GREATER THAN (3) PHASE CONDUCTORS, (3) NEUTRAL CONDUCTORS, AND REQUIRED GROUNDING CONDUCTOR(S), CONTRACTOR MUST INCREASE
- J. EACH SINGLE PHASE BRANCH CIRCUIT CONDUCTOR SHALL HAVE A DEDICATED NEUTRAL BACK
- K. SUPPORTING WIRE FOR THE SUSPENDED CEILING GRID SHALL NOT BE USED AS RACEWAY
- L. DISCONNECT SWITCH RATINGS SHALL BE AS INDICATED ON THE DRAWINGS.
- M. MAJOR FEEDERS FROM THE SWITCHBOARD TO PANELBOARDS. TRANSFORMERS. MOTORS
- N. ALL FIRE ALARM CABLING SHALL BE RED, PLENUM RATED, AND INSTALLED IN RED CONDUIT.
- ENCLOSURES SHALL BE NEMA 3R UNLESS OTHERWISE NOTED.
- Q. ALL CONDUITS CROSSING EXPANSION JOINTS SHALL BE INSTALLED WITH EXPANSION FITTINGS, UNLESS THE CONDUIT IS BELOW SLAB IN THE COMPACTED GRANULAR FILL. EXPANSION FITTINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE NEC AND MANUFACTURER'S WRITTEN RECOMMENDATIONS. REFER TO STRUCTURAL DRAWINGS FOR EXPANSION JOINT
- R. THE CONTRACTOR SHALL COORDINATE RECEPTACLE HEIGHTS AND LOCATIONS WITH THE CASEWORK SHOP DRAWINGS TO DETERMINE EXACT FINAL LOCATIONS AND HEIGHTS FOR
- T. TO REDUCE NOISE BETWEEN WALLS, CONTRACTOR SHALL:
- 1. AVOID INSTALLING POWER RECEPTACLES OR DATA OUTLETS LOCATED BACK TO BACK.
- PROVIDE SOUNDPROOFING MATERIAL BETWEEN JUNCTION BOXES
- V. ELEVATOR SHAFTS SHALL NOT BE USED FOR NON-ELEVATOR RELATED ITEMS (I.E. PIPING,



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FIRE ALARM CONTROL PANEL.

FIRE ALARM VISUAL STROBE ANNUNCIATOR.

FIRE ALARM REMOTE ANNUNCIATOR PANEL.

FIRE ALARM AUDIBLE DEVICE; WP=WEATHERPROOF

EXISTING WALL MOUNTED SPEAKER. EXISTING WALL MOUNTED DOOR BELL.

F

EXISTING FIRE ALARM SMOKE DETECTOR

ABBREVIATIONS:

		IVILO	1VII) (III V E G G G G T V E
A.F	AMPERE FUSE	MTS.	MANUAL TRAN
A.F.C.	ABOVE FINISHED COUNTER	NEC	NATIONAL ELE
A.F.F.	ABOVE FINISHED FLOOR	NL	NON-SWITCHE
A.F.G.	ABOVE FINISHED GRADE	NTRL.	NEUTRAL
A.I.C.	AMPERES INTERRUPTING CAPACITY	NTS	NOT TO SCALE
ATS	AUTOMATIC TRANSFER SWITCH	OL.	OVERLOADS
A.W.G.	AMERICAN WIRE GAUGE	Р	POLE
BSMT.	BASEMENT	POE	POWER OVER
C.	CONDUIT	Ø	PHASE
C.B.	CIRCUIT BREAKER	RCPT.	RECEPTACLE
DED.	DEDICATED	RECEPT.	RECEPTACLE
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H.L.O.A.	HIGH LOW OFF AUTOMATIC	U.P.S.	UNINTERRUPT
HNDLR	HANDLER	V	VOLTS
	KILO-AMPERES INTERRUPTING CAPACITY	V.F.D.	VARIABLE FRE
KAIC		W	WIRE
KVA	KILO-VOLT-AMPS	WP	WEATHERPRO
KW	KILOWATTS		
LTG.	LIGHTING		

ER SWITCH RICAL CODE HERNET

ERLOADS

MAIN CIRCUIT BREAKER MOTOR CONTROL CENTER MANUFACTURER

MCB

VISE NOTED BLE POWER SOURCE UENCY DRIVE

ONE-LINE DIAGRAM SYMBOLS:

MAIN LUG ONLY PANELBOARD. "PANEL" INDICATES PANEL DESIGNATION. "120/208" INDICATES PANEL OPERATING VOLTAGE. "3Ø, 4W" INDICATES PHASE AND WIRE. "200A 3P" INDICATES 3 POLE MAIN LUGS RATED FOR 200A.
MAIN CIRCUIT BREAKER PANELBOARD. "PANEL" INDICATES PANEL DESIGNATION. "120/208" INDICATES PANEL OPERATING VOLTAGE. "3Ø, 4W" INDICATES PHASE AND WIRE. "200A 3P" INDICATES 3 POLE MAIN LUGS RATED FOR 200A.
FUSED SWITCH. TOP NUMBER INDICATES SWITCH RATING IN AMPERES. BOTTOM

AUTOMATIC TRANSFER SWITCH

SWITCHBOARD

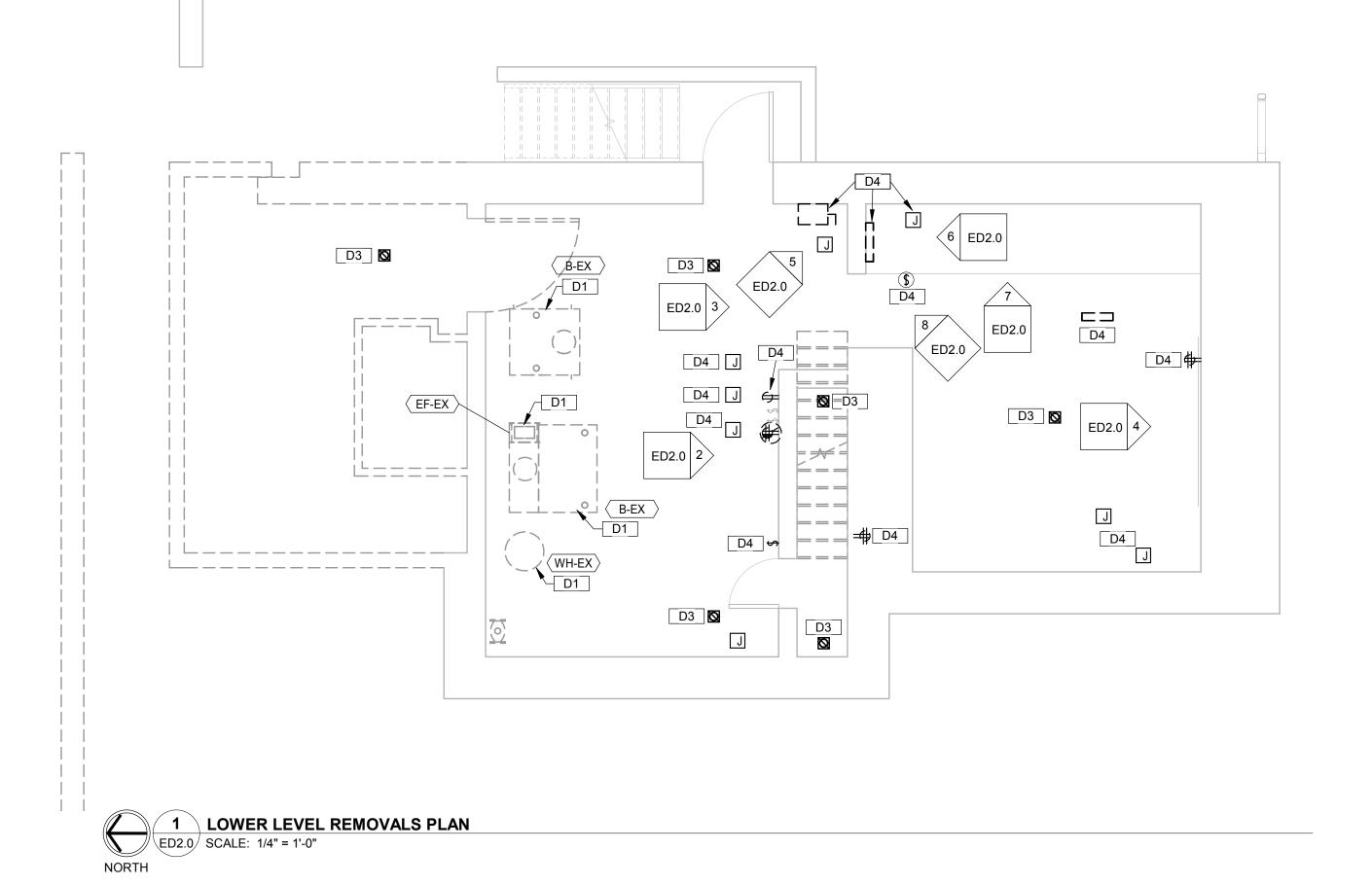
- CABLE, CONDUIT, SUPPORTS, DISCONNECTS, ETC) COMPLETE BACK TO SOURCE.
- B. WHERE EXISTING EQUIPMENT OR MATERIALS ARE REMOVED OR CHANGED, ALL BRANCH CONDUITS WHICH NO LONGER ARE IN SERVICE, SHALL BE REMOVED.
- OTHER EQUIPMENT, SHALL BE REPAIRED BY THE CONTRACTOR.
- E. REFER TO THE ARCHITECTURAL DRAWINGS WHICH SHOW THE TOTAL DEMOLITION IN SPECIFIC
- THE PREMISIS DAILY.

- SHALL BE FIELD VERIFIED.
- B. ALL WORK SHALL BE IN CONFORMANCE WITH THE NATIONAL ELECTRICAL CODE 2017 EDITION ,
- WITH THE APPROPRIATE FIRE STOPPING MATERIAL TO MAINTAIN WALL FIRE RATING. SEE ARCHITECTURAL DRAWING FOR FIRE RATED WALL LOCATIONS.
- E. SEE MECHANICAL DRAWINGS FOR MECHANICAL EQUIPMENT RATINGS AND SIZES.
- UNLESS OTHERWISE NOTED. CIRCUITS EXCEEDING 125 FEET IN LENGTH SHALL BE MINIMUM (2) #10, AND (1)#10 G, IN 3/4" CONDUIT UNLESS OTHERWISE NOTED.

- WIRE SIZE AND DERATE CONDUCTOR CAPACITY ACCORDING TO NEC.
- TO THE PANELBOARD.
- SUPPORT.
- AND OTHER LARGE EQUIPMENT ARE NOT SHOWN ON THE FLOOR PLAN DRAWINGS. THESE FEEDERS ARE INCLUDED WITHIN THE SCOPE OF THE ELECTRICAL WORK AND ARE SHOWN ON THE ONE-LINE DIAGRAM.
- O. HVAC CONTROL WIRING AND CONDUITS FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR. POWER TO THE BMS CONTROL PANEL PROVIDED BY DIVISION 26.
- P. INDOOR CONTROL EQUIPMENT ENCLOSURES SHALL BE NEMA 1 RATED U.O.N. ALL EXTERIOR

- S. TEMPERATURE CONTROL CONTRACTOR RESPONSIBLE FOR LOCATION AND QUANTITY OF TRANSFORMERS REQUIRED FOR 24V CONTROL COMPONENTS. COORDINATE WITH DIVISION 26 TO PROVIDE REQUIRED POWER TO COMPONENTS.

- 2. WHERE OUTLETS ARE REQUIRED TO BE LOCATED BACK TO BACK, CONTRACTOR SHALL
- U. THE WORD "PROVIDE" IS TO BE DEFINED AS "FURNISH AND INSTALL".
- CONDUITS, ETC.)







6 PHOTO 5 ED2.0 SCALE: N.T.S.



3 PHOTO 2 ED2.0 SCALE: N.T.S.



4 PHOTO 3 ED2.0 SCALE: N.T.S.



5 PHOTO 4 ED2.0 SCALE: N.T.S.



7 PHOTO 6 ED2.0 SCALE: N.T.S.



8 PHOTO 7 ED2.0 SCALE: N.T.S.

GENERAL NOTES

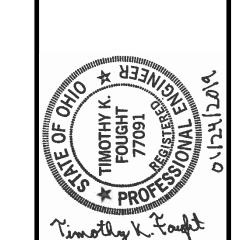
- DASHED LINES INDICATE EXISTING ELECTRICAL EQUIPMENT TO BE REMOVED. REMOVE ASSOCIATED ELECTRICAL ITEMS (I.E. CABLE, CONDUIT, SUPPORTS, DISCONNECTS, ETC) COMPLETE BACK TO POWER AND/OR SIGNAL SOURCE OR TO NEAREST REMAINING DEVICE(S) U.O.N.
- B. SHADED LINES INDICATE EXISTING ELECTRICAL ITEMS TO REMAIN.
- C. ALL EXISTING LIGHTING, POWER AND SYSTEMS TO BE REMOVED COMPLETE. UNLESS OTHERWISE NOTED, DISCONNECT AND REMOVE ALL ASSOCIATED ELECTRICAL ITEMS (I.E. CABLE, CONDUIT, SUPPORTS, DISCONNECTS, ETC) COMPLETE BACK TO SOURCE. ALL EXISTING FLUSH MOUNTED BACK BOXES TO REMAIN.

REMOVAL KEYNOTES

- D1 EXISTING EQUIPMENT TO BE REMOVED COMPLETE. DISCONNECT AND REMOVE ALL ASSOCIATED ELECTRICAL ITEMS (I.E. CABLING, CONDUIT, DISCONNECTS, BOXES, SUPPORTS, ETC) COMPLETE BACK TO POWER
- D2 EXISTING PENDANT MOUNTED FIXTURE TO BE REMOVED.
- D3 EXISTING SURFACE MOUNTED FIXTURE TO BE REMOVED. D4 EXISTING SURFACE MOUNTED DEVICE(S) TO BE REMOVED.
- D5 EXISTING FLUSH MOUNTED DEVICE(S) TO BE REMOVED.
- D6 EXISTING FLOOR MOUNTED DEVICE TO BE REMOVED.
- D7 EXISTING RECESSED/GRID FIXTURE TO BE REMOVED. D8 EXISTING WALL SCONCE LIGHT FIXTURE TO BE REMOVED.
- D9 EXISTING ELECTRICAL PANEL TO BE REMOVED COMPLETE.
- D10 EXISTING POWER POLE TO BE REMOVED COMPLETE. D11 EXISTING DATA RACK TO REMAIN, PROTECT DURING CONSTRUCTION. D12 EXISTING DUPLEX REMOVED FOR REPLACEMENT. DISCONNECT AND REMOVE DEVICE AND ASSOCIATED CIRCUITRY BACK TO SOURCE.
- EXISTING BACK BOX TO REMAIN. D13 EXISTING WEATHERHEAD AND UTILITY SERVICE TO BE REMOVED
- COMPLETE. D14 EXISTING UTILITY (AEP) METER WITH RISER TO WEATHERHEAD TO BE
- REMOVED COMPLÈTE. D15 EXISTING CARD ACCESS TO BE REMOVED COMPLETE.

D16 EXISTING DOORBELL BUTTON TO BE REMOVED COMPLETE.

D17 EXISTING PHOTOCELL NEAR GRADE TO BE REMOVED COMPLETE. D18 EXISTING SURFACE MOUNTED EXTERIOR SPOT LIGHT TO BE REMOVED COMPLETE.

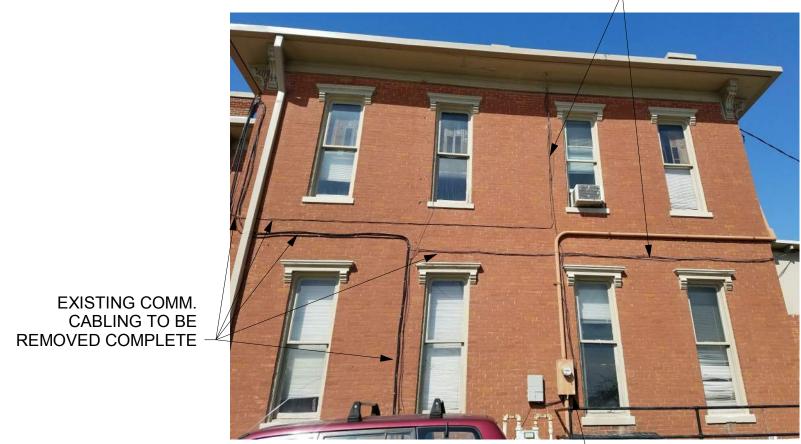


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AUDITOR'S OFFICE DEPARTMENT COUNTY

REMOVAL LOWER :AIRFIELD REAL



EXISTING UTILITY (AEP)
METER AND RISER TO BE D14 REMOVED COMPLETE

ELECTRICAL BUILDING ELEVATION - NORTH

3 REMOVALS
ED2.1 SCALE: N.T.S.

ED2.1 BASEBOARD HEATER

1 FIRST FLOOR REMOVALS PLAN ED2.1 SCALE: 1/8" = 1'-0"

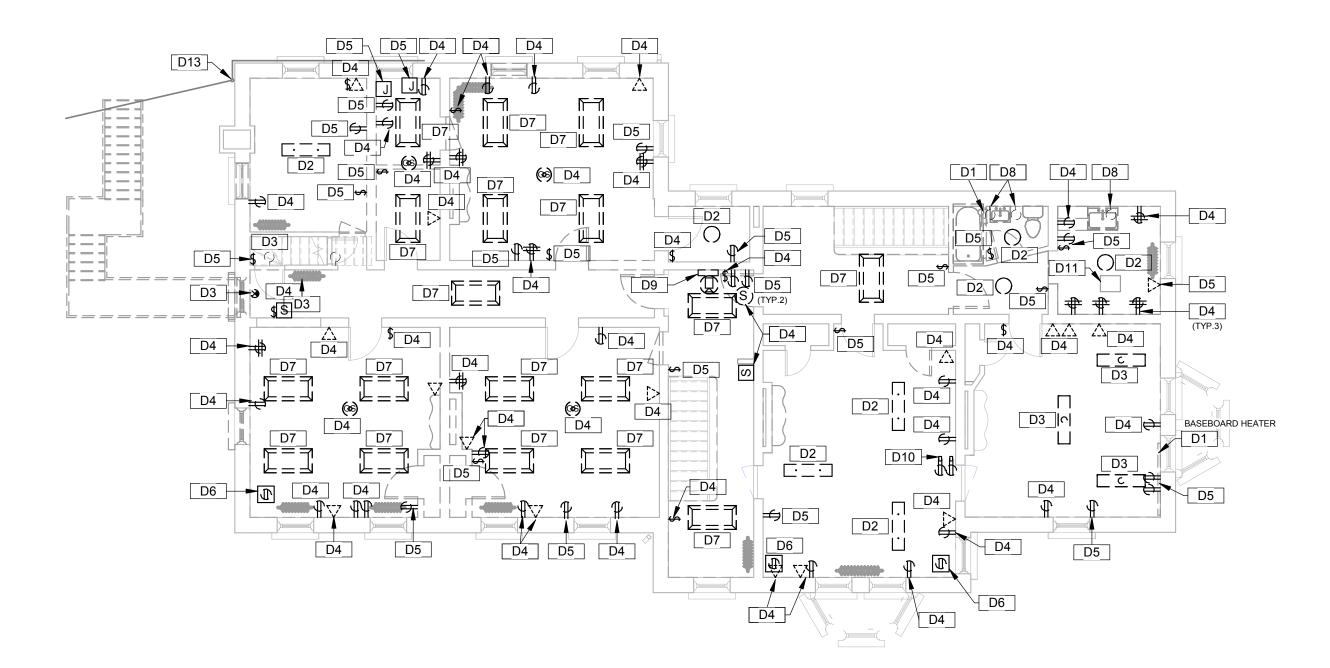
EXISTING WEATHERHEAD AND SERVICE **EXISTING AREA LIGHT TO BE** D13 DROP TO BE REMOVED COMPLETE REMOVED COMPLETE -

ELECTRICAL BUILDING ELEVATION - WEST
REMOVALS
ED2.1 SCALE: 1/8" = 1'-0"

EXISTING COMM.

CABLING TO BE

REMOVED COMPLETE —



2 SECOND FLOOR REMOVALS PLAN
ED2.1 SCALE: 1/8" = 1'-0"

GENERAL NOTES

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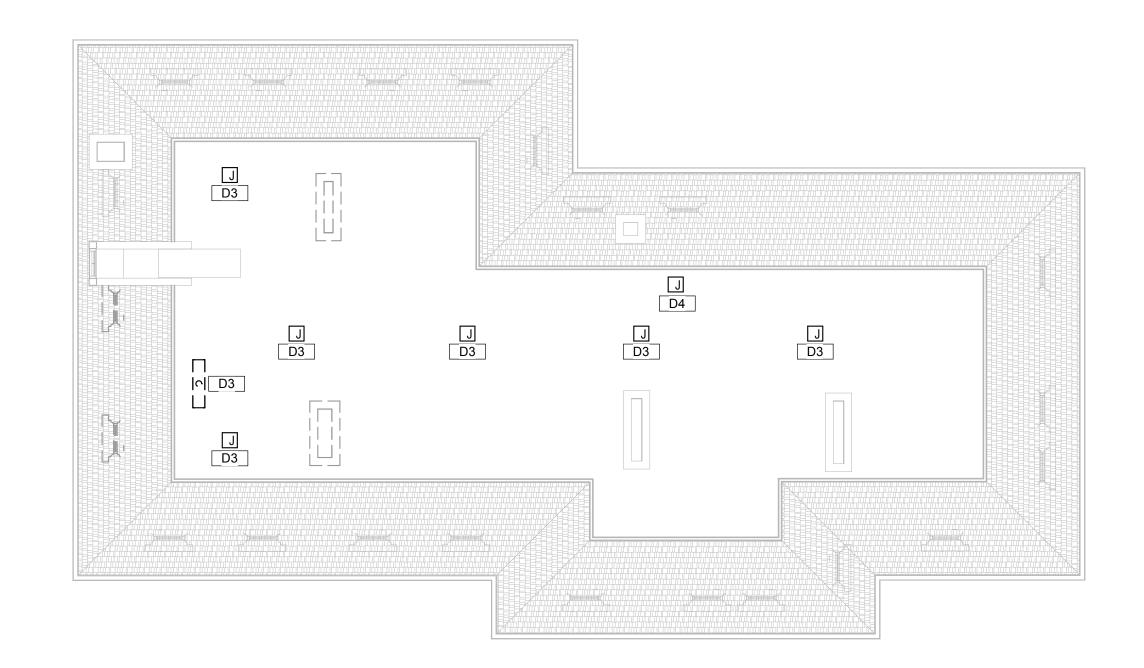
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DESIGNED:	APPRV'D:	DATE: JAN	PROJECT N	1821-
AUDITOR'S OFFICE		UEFAKIMENI		D FLOOR REMOVAL PLANS

COUNTY FAIRFIELD REAL -00R FIRST





- DASHED LINES INDICATE EXISTING ELECTRICAL EQUIPMENT TO BE REMOVED. REMOVE ASSOCIATED ELECTRICAL ITEMS (I.E. CABLE, CONDUIT, SUPPORTS, DISCONNECTS, ETC) COMPLETE BACK TO POWER AND/OR SIGNAL SOURCE OR TO NEAREST REMAINING DEVICE(S) U.O.N.
- B. SHADED LINES INDICATE EXISTING ELECTRICAL ITEMS TO REMAIN.
- C. ALL EXISTING LIGHTING, POWER AND SYSTEMS TO BE REMOVED COMPLETE. UNLESS OTHERWISE NOTED, DISCONNECT AND REMOVE ALL ASSOCIATED ELECTRICAL ITEMS (I.E. CABLE, CONDUIT, SUPPORTS, DISCONNECTS, ETC) COMPLETE BACK TO SOURCE. ALL EXISTING FLUSH MOUNTED BACK BOXES TO REMAIN.

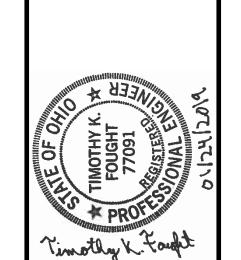
□ REMOVAL KEYNOTES

- D1 EXISTING EQUIPMENT TO BE REMOVED COMPLETE. DISCONNECT AND REMOVE ALL ASSOCIATED ELECTRICAL ITEMS (I.E. CABLING, CONDUIT, DISCONNECTS, BOXES, SUPPORTS, ETC) COMPLETE BACK TO POWER
- D2 EXISTING PENDANT MOUNTED FIXTURE TO BE REMOVED.
- D3 EXISTING SURFACE MOUNTED FIXTURE TO BE REMOVED. D4 EXISTING SURFACE MOUNTED DEVICE(S) TO BE REMOVED.
- D5 EXISTING FLUSH MOUNTED DEVICE(S) TO BE REMOVED. D6 EXISTING FLOOR MOUNTED DEVICE TO BE REMOVED.
- D7 EXISTING RECESSED/GRID FIXTURE TO BE REMOVED.
- D8 EXISTING WALL SCONCE LIGHT FIXTURE TO BE REMOVED.
- D9 EXISTING ELECTRICAL PANEL TO BE REMOVED COMPLETE. D10 EXISTING POWER POLE TO BE REMOVED COMPLETE.
- D11 EXISTING DATA RACK TO REMAIN, PROTECT DURING CONSTRUCTION. D12 EXISTING DUPLEX REMOVED FOR REPLACEMENT. DISCONNECT AND REMOVE DEVICE AND ASSOCIATED CIRCUITRY BACK TO SOURCE.
- D13 EXISTING WEATHERHEAD AND UTILITY SERVICE TO BE REMOVED COMPLETE.
- D14 EXISTING UTILITY (AEP) METER WITH RISER TO WEATHERHEAD TO BE REMOVED COMPLÈTE.
- D15 EXISTING CARD ACCESS TO BE REMOVED COMPLETE.

EXISTING BACK BOX TO REMAIN.

COMPLETE.

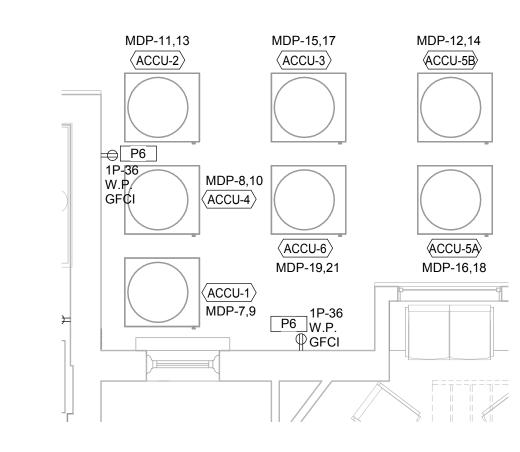
D16 EXISTING DOORBELL BUTTON TO BE REMOVED COMPLETE. D17 EXISTING PHOTOCELL NEAR GRADE TO BE REMOVED COMPLETE. D18 EXISTING SURFACE MOUNTED EXTERIOR SPOT LIGHT TO BE REMOVED



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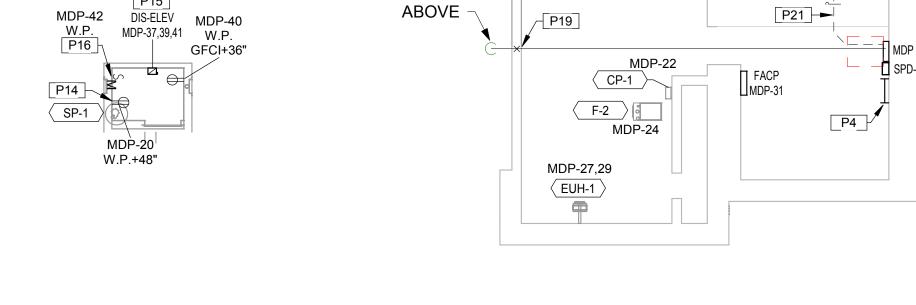
AUDITOR'S OFFICE DEPARTMENT REMOVALS

COUNTY ESTATE FAIRFIELD REAL



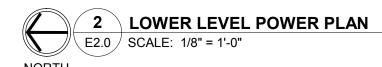
3 FIRST FLOOR POWER PLAN - MECHANICAL YARD

E2.0 SCALE: 1/4" = 1'-0"



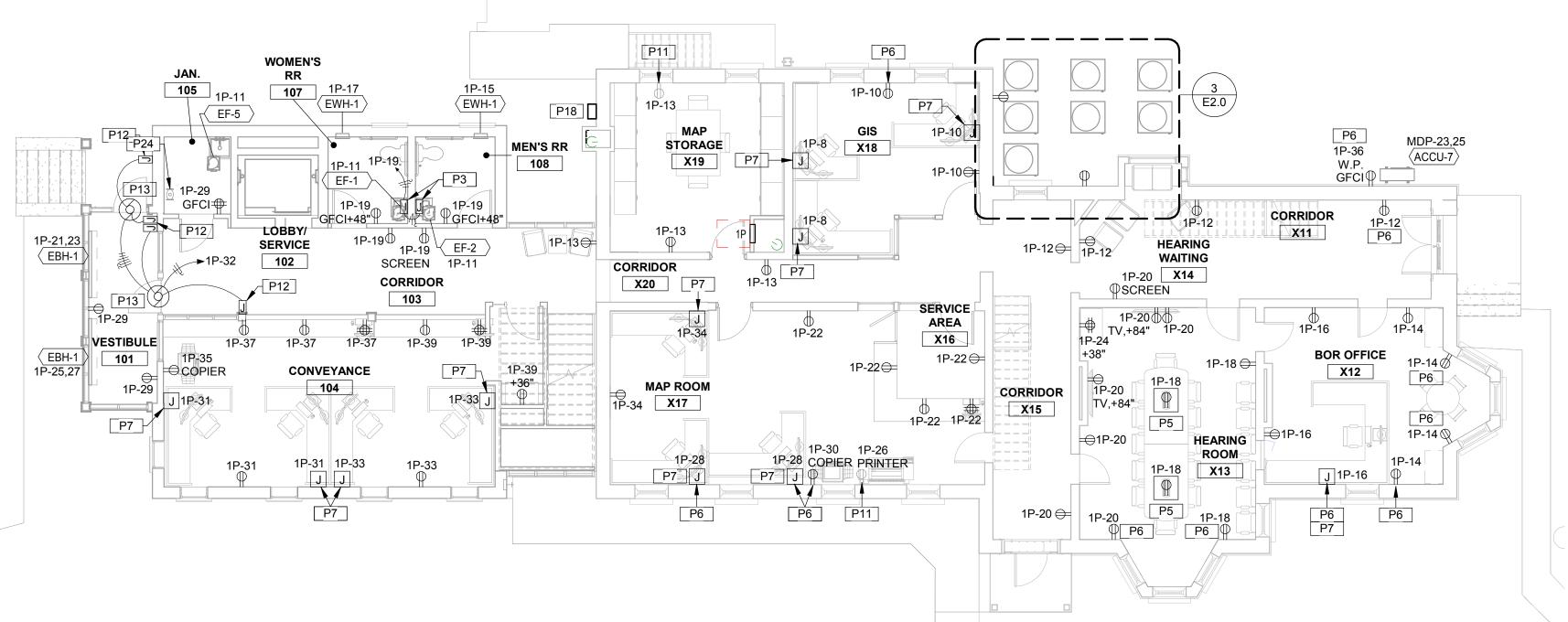
UP TO

METER 'M-1'



1 FIRST FLOOR POWER PLAN

E2.0 | SCALE: 1/8" = 1'-0"



GENERAL NOTES

A. FOR PANELBOARD SCHEDULES, SEE DRAWINGS E5.2.

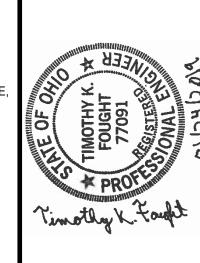
STARTER, ETC) AND LOAD INFORMATION.

- B. FOR SERVICE GROUNDING ELECTRODE SCHEMATIC, SEE DETAIL #2 ON DRAWING E5.1.
- . SEE MECHANICAL EQUIPMENT ELECTRICAL CONNECTION SCHEDULE ON DRAWING E5.0 FOR EQUIPMENT CIRCUITING AND ADDITIONAL ELECTRICAL REQUIREMENTS FOR MECHANICAL EQUIPMENT (I.E. DISCONNECT,
- . CONTRACTOR SHALL COORDINATE ALL DEVICE HEIGHTS AND EXACT LOCATIONS WITH CASEWORK SHOP DRAWINGS AND ARCHITECTURAL ELEVATION DETAILS.
- REFER TO ARCHITECTURAL SHEETS FOR FIRE RATED WALLS AND CEILINGS. INSTALL FIRESTOP AT PENETRATIONS. INSTALL FIRE RATED PUTTY AROUND BOXES INSTALLED IN FIRE RATED WALLS AND OFFSET BACK TO BACK BOXES.
- WIRING DEVICES AND RACEWAYS ON EXISTING WALLS TO BE SURFACE MOUNTED, U.O.N. RACEWAYS AND RACEWAY ACCESSORES SHALL BE LOV PROFILE, NON-METALLIC RACEWAY SUITABLE TO FINISHED OFFICE AREAS (I.E. LEGRAND/WIREMOLD 400/800/2300 SERIES OR APPROVED EQUAL). INSTALL IN NEAT AND WORKMANLIKE MANNER TO MINIMIZE LENGTHS, BENDS, ELBOWS, ETC. PAINT RACEWAYS TO MATCH WALL FINISH COLOR.
- G. NOT ALL KEYNOTES ARE USED ON EVERY SHEET.

POWER KEYNOTES

- PROVIDE ONE 4" FURNITURE FEED POKE-THRU DEVICE LIKE WIREMOLD #4FFATC15 OR APPROVED EQUAL. PROVIDE 3/4" FLEX FEED TO FURNITURE, COORDINATE EXACT LOCATION BEFORE ROUGH-IN. CONNECT TO DEVICE USING 2#12+G. IN 3/4"C.
- RECEPTACLE FOR TV, COORDINATE EXACT LOCATION WITH OWNER BEFORE ROUGH-IN. TV AND MOUNTING BRACKET PROVIDED BY OWNER, INSTALLED BY CONTRACTOR.
- AUTOMATIC FLUSH VALVE, REFER TO AUTOMATIC ELECTRONIC FLUSH VALVE DETAIL #7 ON SHEET E5.3.
- MAIN GROUND BUS BAR #1. REFER TO BUILDING GROUND BUS DETAIL #5 ON SHEET E5.3. MOUNT AT +7-0" AFF. PROVIDE (1) FLUSH IN CONCRETE 3-GANG FLOOR BOX LIKE WALKER
- #880CS3-1 OR APPROVED EQUAL. FURNISH WITH 3-GANG BRASS CARPET/TILE FLANGE (#837B), (2) FLIP LIDS (#828R) FOR TWO 20A DUPLEX RECEPTACLES AND (1) COVER PLATE (#828COM) FOR FOUR CAT.6 COMMUNICATIONS CABLES. VERIFY EXACT LOCATION WITH OWNER AND ARCHITECT BEFORE ROUGH-IN.
- NEW DEVICE TO BE SURFACE MOUNTED ON EXISTING WALL. 1-GANG WALL BOX WITH FURNITURE FEED FOR POWER TO MODULAR
- FURNITURE. PROVIDE 3/4" FLEX FEED TO FURNITURE, COORDINATE EXACT LOCATION BEFORE ROUGH-IN. CONNECT TO DEVICE USING 2#12+G. IN 3/4"c.
- CONNECT TO CIRCUIT SHOWN USING 2#10+G. IN 3/4"C. FURNISH AS REQUIRED TOGGLE SWITCH FOR GARBAGE DISPOSAL CONTROL WITH RACEWAY AND CONDUCTORS FROM SWTICH TO GARBA DISPOAL UNIT, 1/2HP, 120V. MOUNT SWITCH ABOVE COUNTERTOP. CIRC
- AS SHOWN. P10 FURNISH ONE 8" POKE-THRU DEVICE LIKE WIREMOLD #8AT EVOLUTION SERIES OR APPROVED EQUAL. DEVICE TO HAVE (4) 20A DUPLEX RECEPTACLES AND PROVISIONS FOR (6) COMMUNICATIONS PORTS. FIN TO BE SELECTED BY ARCHITECT, PROVIDE WITH (2) #8DP AND (1) #8ACT CENTER MOUNT DEVICE PLATES AND (2) #68REC SIDE MOUNT DEVICE PLATES. COORDINATE EXACT LOCATION BEFORE ROUGH-IN. PROVIDE ACCESSORIES NEEDED FOR A COMPLETE INSTALLATION. CONNECT TO
- DEVICE USING 2#12+G. IN 3/4"C. P11 FURNISH AND INSTALL NEW 20A, DUPLEX RECEPTACLE IN SAME BOX AS
- REMOVED RECEPTACLE. CIRCUIT AS SHOWN. P12 AUTOMATIC DOOR OPENER. PUSHBUTTONS BY MANUFACTURER, WIRE I MANUFACTURER'S RECOMMENDATION, 120V. COORDINATE EXACT
- P13 ELECTRIC DOOR. VERIFY WITH MANUFACTURER ALL FINAL CONNECTIO P14 NON-GFCI RECEPTACLE FOR SUMP PUMP. MOUNT ON PIT WALL NEAR SUMP BASIN. COORDINATE EXACT LOCATION BEFORE ROUGH-IN.
- P15 ELEVATOR DISCONNECT SWITCH 'DIS-ELEV'. SWITCH PROVIDED BY ELEVATOR SUPPLIER INSTALLED BY E.C. MOUNT IN ELEVATOR WITH TOP A MINIMUM OF 6" BELOW BOTTOM OF ENTRY DOOR INTO PIT. COORDINATE EXACT LOCATION WITH ELEVATOR SUPPLIER. CONNECT TO CIRCUIT SHOWN USING 4#1/0 + #1/0G. IN 2"C.
- P16 FURNISH AND INSTALL NEMA 3R, SURFACE, 30A LOCKABLE MOTOR RATED TOGGLE SWITCH WITH WEATHERPROOF COVER FOR DISCONNECTING THE 120V ELEVATOR CAB LIGHT AND FAN POWER. CIRCUIT AS SHOWN. COORDINATE EXACT LOCATION WITH ELEVATOR SUPPLIER.
- P17 CONTROL PANEL 'CP-O', 120V. PANEL TO BE PROVIDED BY OWNER. CONNECT TO CIRCUIT SHOWN USING 2#12+G. IN 3/4"C.
- NEW ELECTRIC UTILITY METER 'M-1' LOCATION, REFER TO ONE-LINE
- DIAGRAM ON SHEET E5.0 FOR MORE INFORMATION. NEW 3-1/2" RACEWAY #100 FROM NEW UTILITY METER 'M-1' TO NEW MAIN DISTRIBUTION PANEL 'MDP', REFER TO CONDUIT AND CABLE SCHEDULE ON DRAWING E5.0 FOR MORE INFORMATION. PROVIDE SEAL FOR PENETRATION THRU EXISTING WALL. REFER TO LINK SEAL DETAIL - OUTDOOR
- PENETRATIONS THROUGH WALL DETAIL #4 ON DRAWING E5.3. P20 TRI-ROD GROUND. SPACE GROUND ELECTRODE RODS A MINIMUM OF 10'-0'
- P21 #1/0 AWG BARE COPPER CABLE. P22 FURNISH AND INSTALL A 3/4" DIA., 10'-0" LONG COPPER GROUND ROD. COPPERWELD TO GROUND LOOP.
- P23 PROVIDE GROUND TEST WELL FOR ONE (1) OF THREE GROUNDING

	ELECTRODES. REFER TO DETAIL #8, SHEET E5.3.
24	NEW WATER METER. BOND TO MAIN GROUND BUS BAR #1 IN BASEMENT. REFER TO DETAIL #2. SHEET E5.1.



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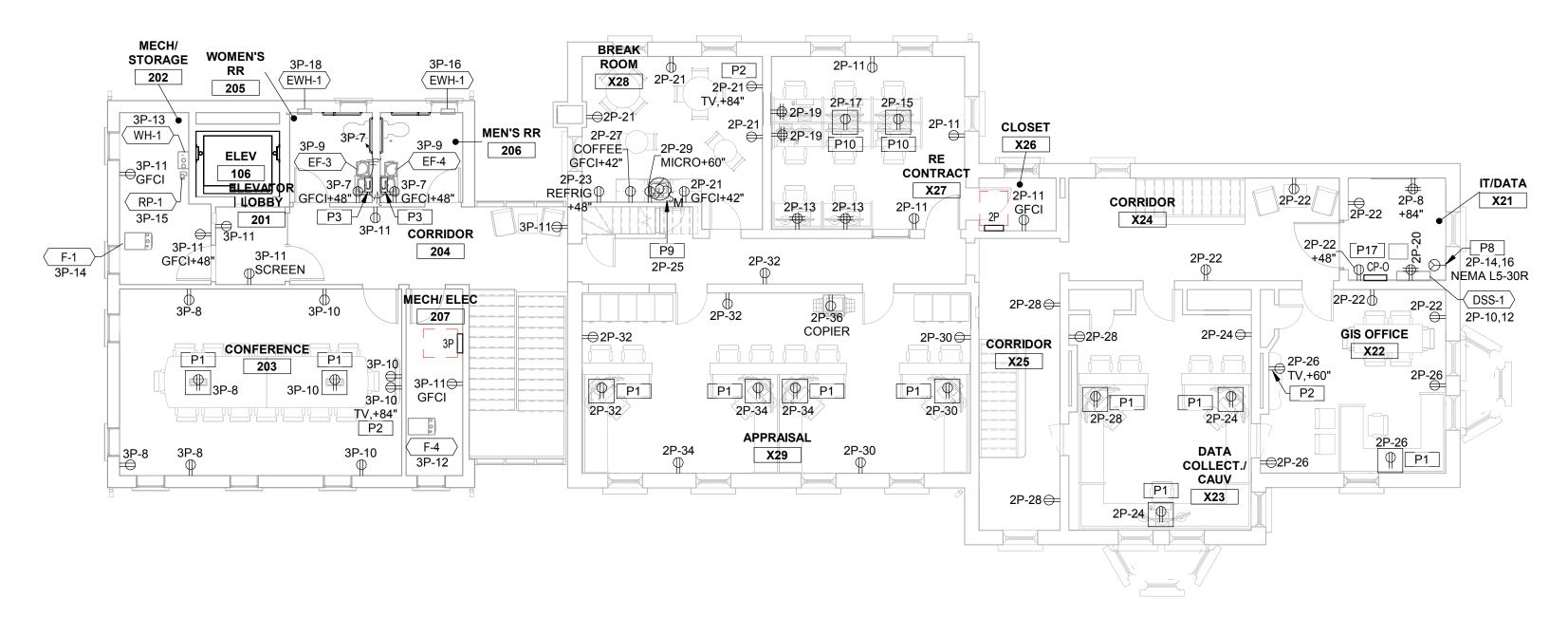
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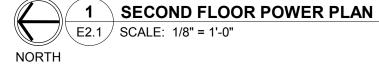
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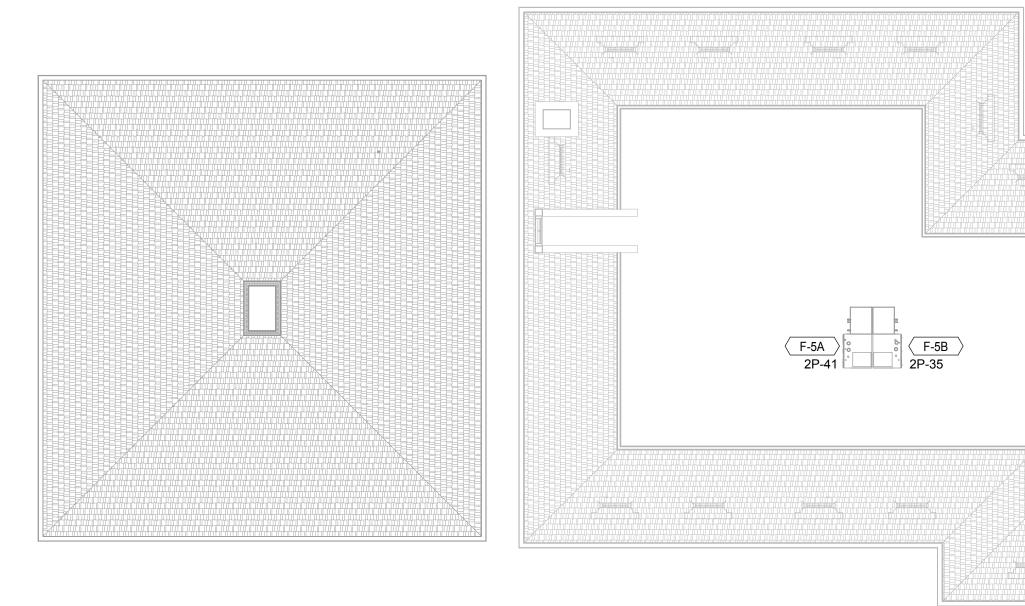


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GENERAL NOTES

FOR PANELBOARD SCHEDULES, SEE DRAWINGS E5.2.

STARTER, ETC) AND LOAD INFORMATION.

B. FOR SERVICE GROUNDING ELECTRODE SCHEMATIC, SEE DETAIL #2 ON DRAWING E5.1.

REQUIREMENTS FOR MECHANICAL EQUIPMENT (I.E. DISCONNECT,

- DRAWING E5.1.

 SEE MECHANICAL EQUIPMENT ELECTRICAL CONNECTION SCHEDULE ON DRAWING E5.0 FOR EQUIPMENT CIRCUITING AND ADDITIONAL ELECTRICAL
- CONTRACTOR SHALL COORDINATE ALL DEVICE HEIGHTS AND EXACT LOCATIONS WITH CASEWORK SHOP DRAWINGS AND ARCHITECTURAL ELEVATION DETAILS.
- E. REFER TO ARCHITECTURAL SHEETS FOR FIRE RATED WALLS AND CEILINGS. INSTALL FIRESTOP AT PENETRATIONS. INSTALL FIRE RATED PUTTY AROUND BOXES INSTALLED IN FIRE RATED WALLS AND OFFSET BACK TO BACK BOXES.
- F. WIRING DEVICES AND RACEWAYS ON EXISTING WALLS TO BE SURFACE MOUNTED, U.O.N. RACEWAYS AND RACEWAY ACCESSORES SHALL BE LOW PROFILE, NON-METALLIC RACEWAY SUITABLE TO FINISHED OFFICE AREAS (I.E. LEGRAND/WIREMOLD 400/800/2300 SERIES OR APPROVED EQUAL). INSTALL IN NEAT AND WORKMANLIKE MANNER TO MINIMIZE LENGTHS, BENDS, ELBOWS, ETC. PAINT RACEWAYS TO MATCH WALL FINISH COLOR.
- ${\sf G.}\quad {\sf NOT}\, {\sf ALL}\, {\sf KEYNOTES}\, {\sf ARE}\, {\sf USED}\, {\sf ON}\, {\sf EVERY}\, {\sf SHEET}.$

P# POWER KEYNOTES

- P1 PROVIDE ONE 4" FURNITURE FEED POKE-THRU DEVICE LIKE WIREMOLD #4FFATC15 OR APPROVED EQUAL. PROVIDE 3/4" FLEX FEED TO FURNITURE, COORDINATE EXACT LOCATION BEFORE ROUGH-IN. CONNECT TO DEVICE USING 2#12+G. IN 3/4"C.

 P2 RECEPTACLE FOR TV, COORDINATE EXACT LOCATION WITH OWNER
- BEFORE ROUGH-IN. TV AND MOUNTING BRACKET PROVIDED BY OWNER, INSTALLED BY CONTRACTOR.

 P3 AUTOMATIC FLUSH VALVE, REFER TO AUTOMATIC ELECTRONIC FLUSH
- VALVE DETAIL #7 ON SHEET E5.3.

 P4 MAIN GROUND BUS BAR #1. REFER TO BUILDING GROUND BUS DETAIL #5
- ON SHEET E5.3. MOUNT AT +7-0" AFF.

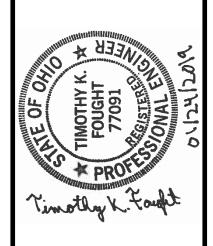
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 RECEPTACLES AND (1) COVER PLATE (#828COM) FOR FOUR CAT.6
 COMMUNICATIONS CABLES. VERIFY EXACT LOCATION WITH OWNER AND
 ARCHITECT BEFORE ROUGH-IN.
- P6 NEW DEVICE TO BE SURFACE MOUNTED ON EXISTING WALL.
 P7 1-GANG WALL BOX WITH FURNITURE FEED FOR POWER TO MODULAR
 FURNITURE. PROVIDE 3/4" FLEX FEED TO FURNITURE, COORDINATE EXACT
 LOCATION BEFORE ROUGH-IN. CONNECT TO DEVICE USING 2#12+G. IN 3/4"c.
 P8 CONNECT TO CIRCUIT SHOWN USING 2#10+G. IN 3/4"C.
- P9 FURNISH AS REQUIRED TOGGLE SWITCH FOR GARBAGE DISPOSAL CONTROL WITH RACEWAY AND CONDUCTORS FROM SWTICH TO GARBAGE DISPOAL UNIT, 1/2HP, 120V. MOUNT SWITCH ABOVE COUNTERTOP. CIRCUIT AS SHOWN.
- P10 FURNISH ONE 8" POKE-THRU DEVICE LIKE WIREMOLD #8AT EVOLUTION SERIES OR APPROVED EQUAL. DEVICE TO HAVE (4) 20A DUPLEX RECEPTACLES AND PROVISIONS FOR (6) COMMUNICATIONS PORTS. FINISH TO BE SELECTED BY ARCHITECT. PROVIDE WITH (2) #8DP AND (1) #8ACT6A CENTER MOUNT DEVICE PLATES AND (2) #68REC SIDE MOUNT DEVICE PLATES. COORDINATE EXACT LOCATION BEFORE ROUGH-IN. PROVIDE ALL ACCESSORIES NEEDED FOR A COMPLETE INSTALLATION. CONNECT TO DEVICE USING 2#12+G. IN 3/4"C.
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- P13 ELECTRIC DOOR. VERIFY WITH MANUFACTURER ALL FINAL CONNECTIONS.
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- P15 ELEVATOR DISCONNECT SWITCH 'DIS-ELEV', SWITCH PROVIDED BY ELEVATOR SUPPLIER INSTALLED BY E.C. MOUNT IN ELEVATOR WITH TOP A MINIMUM OF 6" BELOW BOTTOM OF ENTRY DOOR INTO PIT. COORDINATE EXACT LOCATION WITH ELEVATOR SUPPLIER. CONNECT TO CIRCUIT SHOWN USING 4#1/0 + #1/0G. IN 2"C.
- P16 FURNISH AND INSTALL NEMA 3R, SURFACE, 30A LOCKABLE MOTOR RATED TOGGLE SWITCH WITH WEATHERPROOF COVER FOR DISCONNECTING THE 120V ELEVATOR CAB LIGHT AND FAN POWER. CIRCUIT AS SHOWN. COORDINATE EXACT LOCATION WITH ELEVATOR SUPPLIER.
- P17 CONTROL PANEL 'CP-O', 120V. PANEL TO BE PROVIDED BY OWNER.
- CONNECT TO CIRCUIT SHOWN USING 2#12+G. IN 3/4"C.
 P18 NEW ELECTRIC UTILITY METER 'M-1' LOCATION, REFER TO ONE-LINE

THRU EXISTING WALL. REFER TO LINK SEAL DETAIL - OUTDOOR

- DIAGRAM ON SHEET E5.0 FOR MORE INFORMATION.

 P19

 NEW 3-1/2" RACEWAY #100 FROM NEW UTILITY METER 'M-1' TO NEW MAIN DISTRIBUTION PANEL 'MDP', REFER TO CONDUIT AND CABLE SCHEDULE ON DRAWING E5.0 FOR MORE INFORMATION. PROVIDE SEAL FOR PENETRATION
- PENETRATIONS THROUGH WALL DETAIL #4 ON DRAWING E5.3.
 P20 TRI-ROD GROUND. SPACE GROUND ELECTRODE RODS A MINIMUM OF 10'-0"
- P21 #1/0 AWG BARE COPPER CABLE.
- P22 FURNISH AND INSTALL A 3/4" DIA., 10'-0" LONG COPPER GROUND ROD. COPPERWELD TO GROUND LOOP.
- P23 PROVIDE GROUND TEST WELL FOR ONE (1) OF THREE GROUNDING ELECTRODES. REFER TO DETAIL #8, SHEET E5.3.
- P24 NEW WATER METER. BOND TO MAIN GROUND BUS BAR #1 IN BASEMENT. REFER TO DETAIL #2, SHEET E5.1.



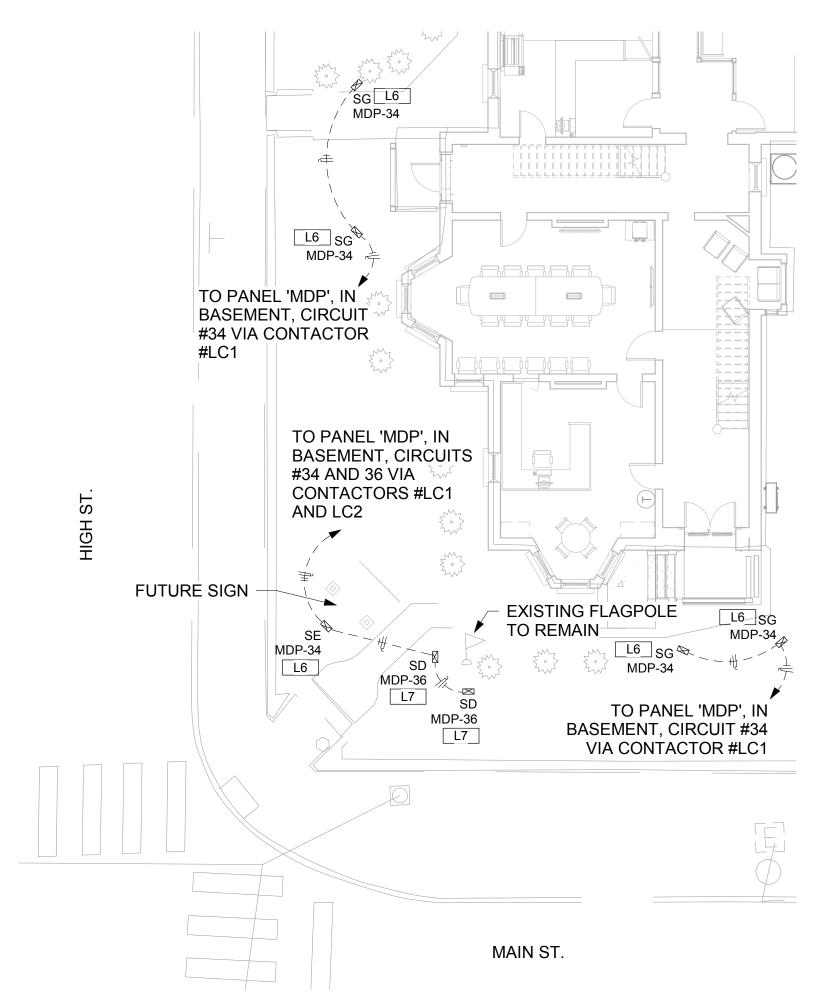
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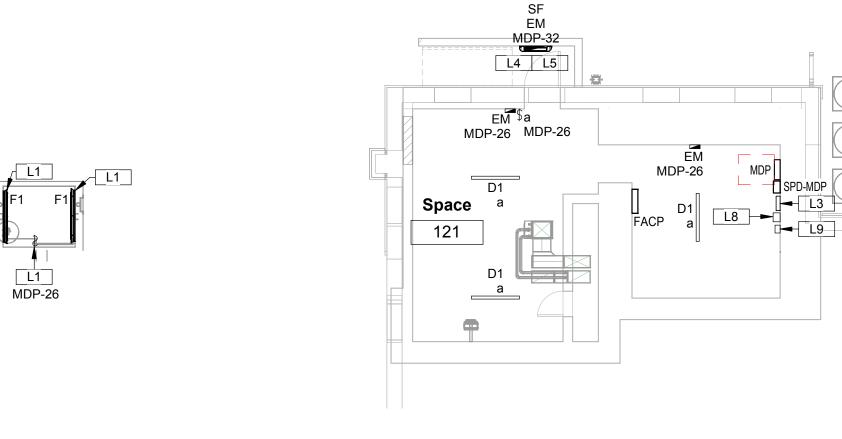
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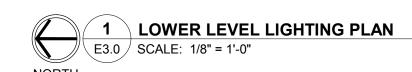


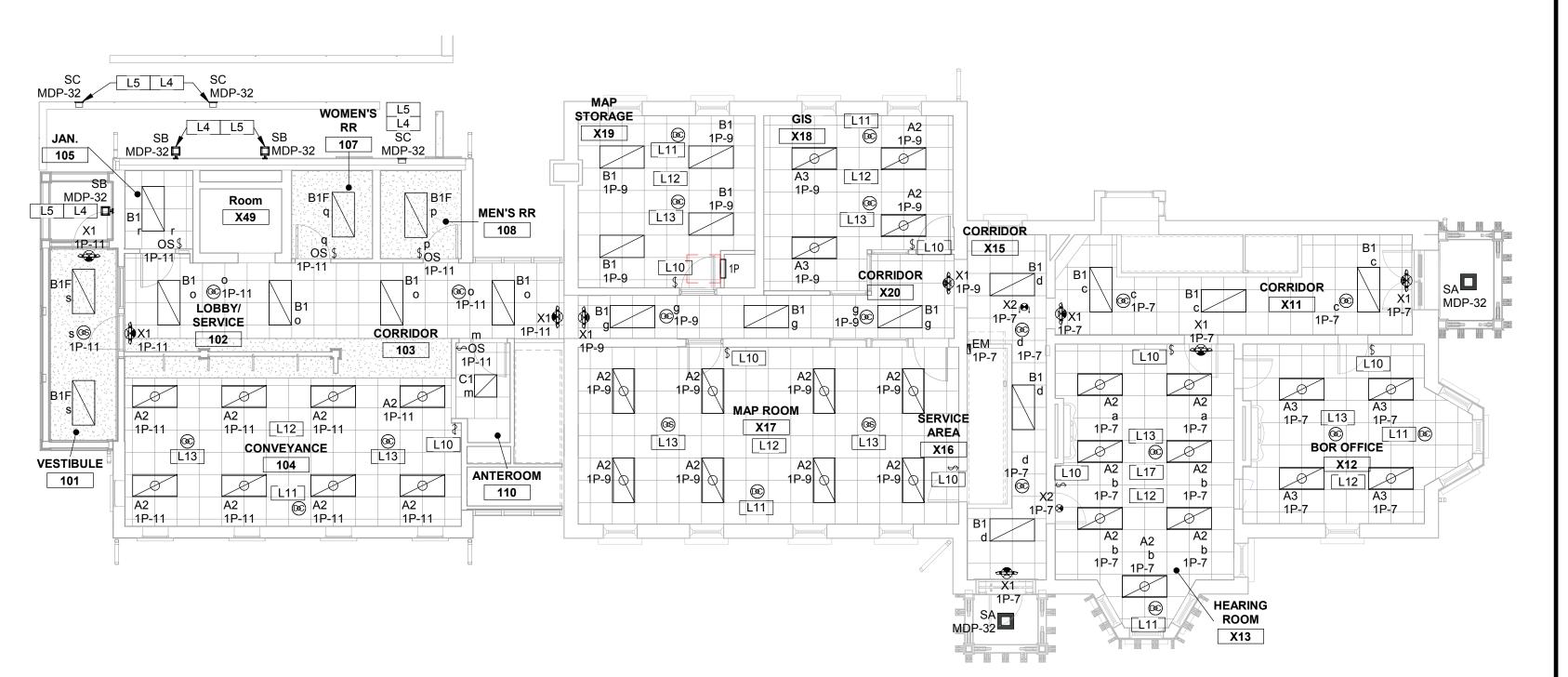
A. REFERENCE SITE IMPROVEMENT PLAN, DRAWING C05.0 FOR EXACT LOCATION.

B. REFER TO SHEET A1.0 FOR ADDITIONAL ELECTRICAL NOTES.











GENERAL NOTES

EQUIPMENT.

- A. FOR LIGHTING FIXTURE SCHEDULE, SEE SHEET E5.1. REFER TO REMARKS COLUMN ON LIGHTING FIXTURE SCHEDULE FOR FIXTURE MOUNTING HEIGHTS AND REQUIREMENTS U.O.N. ON THIS DRAWING.
- B. FOR OCCUPANCY SENSOR WIRING DETAIL, SEE DETAIL #2 ON DRAWING
- C. FIELD COORDINATE, PRIOR TO CONSTRUCTION, EXACT MOUNTING HEIGHT OF ALL FIXTURES TO AVOID MECHANICAL DUCTWORK AND
- D. CEILING MOUNTED OCCUPANCY SENSORS SHALL BE MOUNTED IN CENTER OF CEILING TILE U.O.N. COORDINATE EXACT LOCATIONS BEFORE ROUGH-IN.
- E. OCCUPANCY SENSORS ARE SHOWN FOR PURPOSES OF IDENTIFYING ROOMS/AREAS WHERE REQUIRED. COORDINATE WITH MANUFACTURER ON QUANTITY AND LOCATIONS REQUIRED FOR COMPLETE COVERAGE. AT NO ADDITIONAL COST TO OWNER, PROVIDE ADDITIONAL SENSORS ARE REQUIRED FOR COMPLETE COVERAGE. SUBMIT SHOP DRAWINGS INDICATING COVERAGE OF SENSOR(S) FOR EACH SPACE.
- F. PROVIDE POWER PACKS AS REQUIRED FOR OCCUPANCY SENSORS. POWER PACKS ARE NOT SHOWN. FIELD COORDINATE LOCATIONS AND RECORD ON ELECTRICAL RECORD DRAWINGS.
- G. WIRING DEVICES AND RACEWAYS ON EXISTING WALLS TO BE SURFACE MOUNTED, U.O.N. RACEWAYS AND RACEWAY ACCESSORES SHALL BE LOW PROFILE, NON-METALLIC RACEWAY SUITABLE TO FINISHED OFFICE AREAS (I.E. LEGRAND/WIREMOLD 400/800/2300 SERIES OR APPROVED EQUAL). INSTALL IN NEAT AND WORKMANLIKE MANNER TO MINIMIZE BENDS, ELBOWS, ETC. PAINT RACEWAYS TO MATCH WALL FINISH COLOR
- H. NOT ALL KEYNOTES ARE USED ON EVERY DRAWING.

LIGHTING KEYNOTES

- 1 WALL MOUNT TOP OF TYPE F1 LIGHT AND LIGHT SWITCH AT THE TOP OF THE PIT ACCESS LADDER. MOUNT LIGHT HORIZONTALLY DIRECTLY BELOW BOTTOM OF ENTRY DOOR INTO PIT.
- L2 FIXTURE TO BE SURFACE MOUNTED ON BOTTOM OF STRUCTURE.
 L3 NEW 125W CENTRAL INVERTER UNIT LIKE EVENLITE
 #PW-12-LC-V1-AA-2H OR APPROVED EQUAL FOR EXTERIOR
 EMERGENCY EGRESS LIGHTING. UNIT TO BE 120W, 120VAC WITH LEAD
 CALCIUM BATTERIES, 2-HOUR RUN TIME AND AUDIBLE ALARM.
- CONNECT TO CIRCUIT MDP-38 USING 2#12+G. IN 3/4"C.

 L4 EMERGENCY EGRESS LIGHT FIXTURE. CONNECT CIRCUIT SHOWN THR
 CENTRAL INVERTER UNIT IN BASEMENT.
- L5 FIXTURE TO BE CONTROLLED ON/OFF VIA TIMECLOCK, REFER TO EXTERIOR LIGHTING CONTROL DETAIL #8 ON SHEET E5.3. CONNECT TO CIRCUIT SHOWN USING 2#12+G. IN 3/4"C. CONTROL VIA CONTACTOR #LC1.
- L6 FIXTURE TO BE CONTROLLED ON/OFF VIA TIMECLOCK, REFER TO EXTERIOR LIGHTING CONTROL DETAIL #8 ON SHEET E5.3. CONNECT TO CIRCUIT SHOWN USING 2#10+G. IN 3/4"C. CONTROL VIA CONTACTOR #LC1.

 L7 FIXTURE TO BE CONTROLLED ON/OFF VIA PHOTOCELL, REFER TO
- EXTERIOR LIGHTING CONTROL DETAIL #8 ON SHEET E5.3. CONNECT TO CIRCUIT SHOWN USING 2#10+G. IN 3/4"C. CONTROL VIA CONTACTOR #LC2.
- LIGHTING CONTRACTORS, LC1 AND LC2, REFER TO EXTERIOR LIGHTING CONTROL DETAIL #8 ON SHEET E5.3.
 L9 NEW TIME CLOCK FOR CONTROL OF EXTERIOR LIGHTING. REFER TO
- EXTERIOR LIGHTING CONTROL DETAIL #8 ON SHEET E5.3.

 6-BUTTON LIGHTING CONTROL WALL STATION, LIKE EATON

 #RC-6TSB-P4-XX OR APPROVED EQUAL. FINISH TO BE SELECTED BY

 ARCHITECT. WALL STATION TO BE COMPATIBLE WITH SELECTED ROON
- CONTROLLER. REFER TO TYPICAL WIRING DIAGRAM ON SHEET E5.1, DETAIL #1.

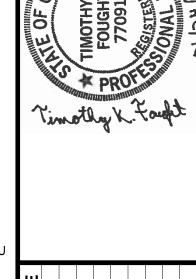
 11 DAYLIGHTING SENSOR, LIKE EATON #DSRC-FMOIR OR APPROVED EQUAL. SENSOR TO BE CEILING MOUNTED AND BE COMPATIBLE WITH SELECTED ROOM CONTROLLER. REFER TO TYPICAL WIRING DIAGRAM
- ON SHEET E5.1, DETAIL #1.

 L12 PROVIDE ROOM LIGHTING CONTROLLER IN ROOM. CONTROLLER TO BE LIKE EATON #RC3D-PL OR APPROVED EQUAL. PROVIDE WITH (3) RELAYS, (3) 0-10V DIMMING. UNIT TO BE MOUNTED ABOVE ROOM CEILING, 120V. REFER TO TYPICAL WIRING DIAGRAM ON SHEET E5.1, DETAIL #1. CONNECT CONTROLLER TO SAME CIRCUIT AS ROOM
- LIGHTING USING 2#12+G. IN 3/4"C.

 OCCUPANCY SENSOR TO BE COMPATIBLE WITH SELECTED ROOM
- CONTROLLER.

 NEW 20A TOGGLE SWITCH WITH PILOT LIGHT FOR CONTROL OF ATTIC
- LIGHTS.

 ALL ATTIC LIGHTS CONTROLLED FROM DEVICE AT BOTTOM OF ACCESS
 STAIRS. REFER TO SECOND FLOOR LIGHTING PLAN, DETAIL 1 ON SHEET
- PHOTOCELL FOR CONTROL OF EXTERIOR LIGHTS. PHOTOCELL TO BE LIKE TORK #EPC1 OR APPROVED EQUAL. MOUNT AS HIGH AS POSSIBLE ON WALL. REFER TO EXTERIOR LIGHTING WIRING DIAGRAM, DETAIL #10 ON SHEET E5.3.
- ROOM LIGHTING CONTROL SCENE 1 = ALL LIGHTING ON; SCENE 2 = 'b' LIGHTS ON, 'a' LIGHTS OFF.



DESIGNED: RDW

APPRV'D: TKF

DATE: JANUARY 24, 2019

PROJECT NUMBER

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LIGHTING PLANS
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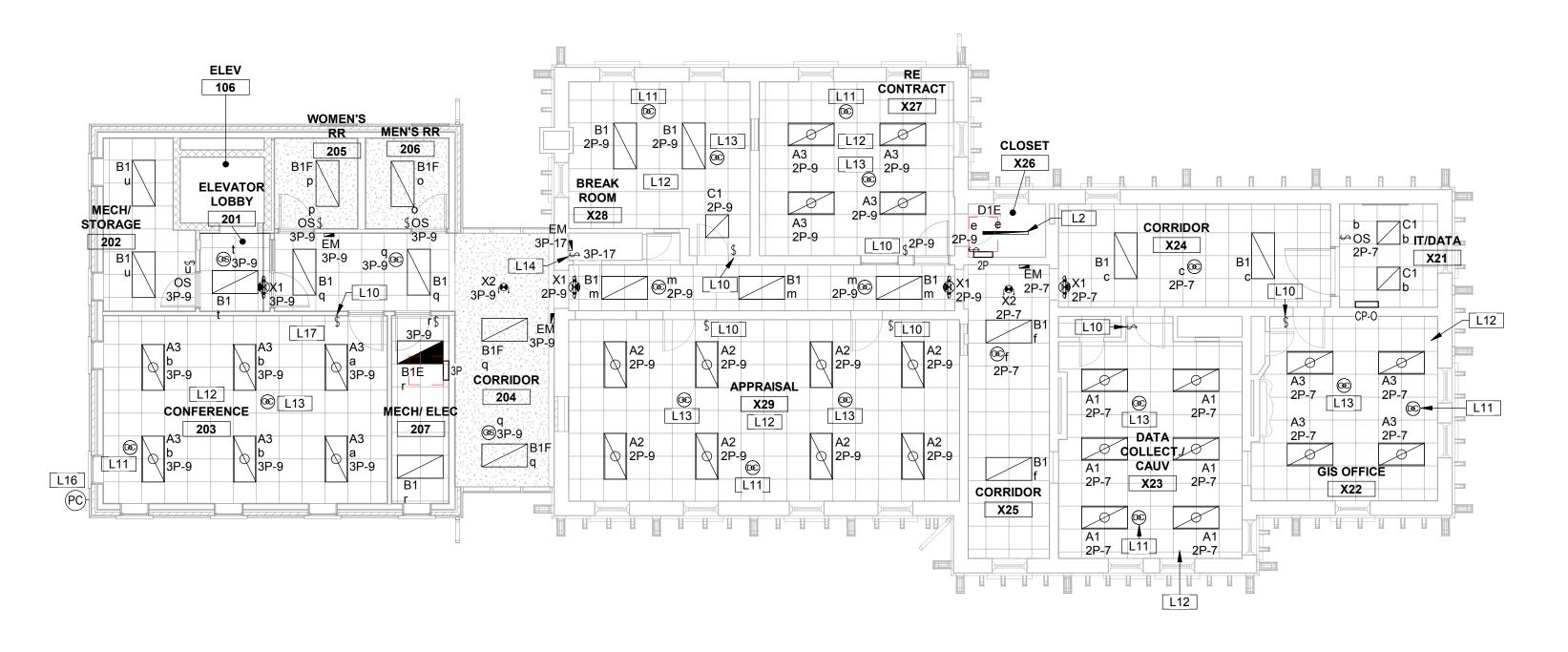
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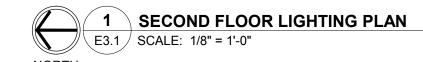
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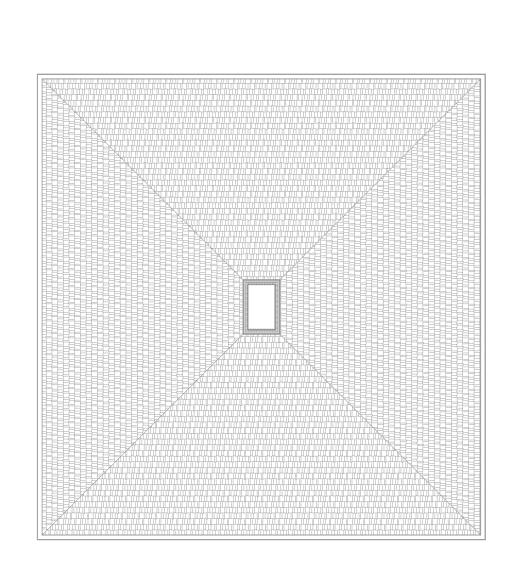
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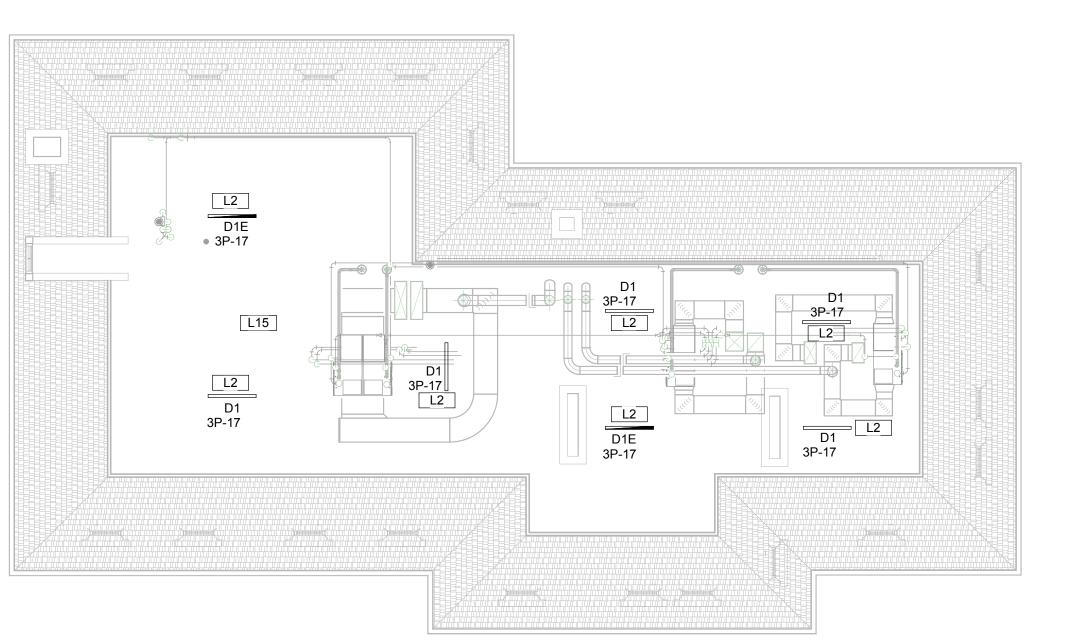
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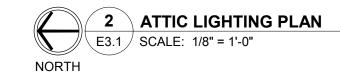
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1-800-362-2764











- FOR LIGHTING FIXTURE SCHEDULE, SEE SHEET E5.1. REFER TO REMARKS COLUMN ON LIGHTING FIXTURE SCHEDULE FOR FIXTURE MOUNTING HEIGHTS AND REQUIREMENTS U.O.N. ON THIS DRAWING.
- FOR OCCUPANCY SENSOR WIRING DETAIL, SEE DETAIL #2 ON DRAWING
- FIELD COORDINATE, PRIOR TO CONSTRUCTION, EXACT MOUNTING HEIGHT OF ALL FIXTURES TO AVOID MECHANICAL DUCTWORK AND EQUIPMENT.
- O. CEILING MOUNTED OCCUPANCY SENSORS SHALL BE MOUNTED IN CENTER OF CEILING TILE U.O.N. COORDINATE EXACT LOCATIONS BEFORE ROUGH-IN.
- OCCUPANCY SENSORS ARE SHOWN FOR PURPOSES OF IDENTIFYING ROOMS/AREAS WHERE REQUIRED. COORDINATE WITH MANUFACTURER ON QUANTITY AND LOCATIONS REQUIRED FOR COMPLETE COVERAGE. AT NO ADDITIONAL COST TO OWNER, PROVIDE ADDITIONAL SENSORS ARE REQUIRED FOR COMPLETE COVERAGE. SUBMIT SHOP DRAWINGS INDICATING COVERAGE OF SENSOR(S) FOR EACH SPACE.
- PROVIDE POWER PACKS AS REQUIRED FOR OCCUPANCY SENSORS. POWER PACKS ARE NOT SHOWN. FIELD COORDINATE LOCATIONS AND RECORD ON ELECTRICAL RECORD DRAWINGS.
- WIRING DEVICES AND RACEWAYS ON EXISTING WALLS TO BE SURFACE MOUNTED, U.O.N. RACEWAYS AND RACEWAY ACCESSORES SHALL BE LOW PROFILE, NON-METALLIC RACEWAY SUITABLE TO FINISHED OFFICE AREAS (I.E. LEGRAND/WIREMOLD 400/800/2300 SERIES OR APPROVED EQUAL). INSTALL IN NEAT AND WORKMANLIKE MANNER TO MINIMIZE BENDS, ELBOWS, ETC. PAINT RACEWAYS TO MATCH WALL FINISH
- H. NOT ALL KEYNOTES ARE USED ON EVERY DRAWING.

LIGHTING KEYNOTES

- WALL MOUNT TOP OF TYPE F1 LIGHT AND LIGHT SWITCH AT THE TOP OF THE PIT ACCESS LADDER. MOUNT LIGHT HORIZONTALLY DIRECTLY BELOW BOTTOM OF ENTRY DOOR INTO PIT.
- FIXTURE TO BE SURFACE MOUNTED ON BOTTOM OF STRUCTURE. NEW 125W CENTRAL INVERTER UNIT LIKE EVENLITE #PW-12-LC-V1-AA-2H OR APPROVED EQUAL FOR EXTERIOR EMERGENCY EGRESS LIGHTING. UNIT TO BE 120W, 120VAC WITH LEAD CALCIUM BATTERIES, 2-HOUR RUN TIME AND AUDIBLE ALARM. CONNECT TO CIRCUIT MDP-38 USING 2#12+G. IN 3/4"C.
- EMERGENCY EGRESS LIGHT FIXTURE. CONNECT CIRCUIT SHOWN THRU CENTRAL INVERTER UNIT IN BASEMENT.
- FIXTURE TO BE CONTROLLED ON/OFF VIA TIMECLOCK, REFER TO EXTERIOR LIGHTING CONTROL DETAIL #8 ON SHEET E5.3. CONNECT TO CIRCUIT SHOWN USING 2#12+G. IN 3/4"C. CONTROL VIA CONTACTOR
- FIXTURE TO BE CONTROLLED ON/OFF VIA TIMECLOCK, REFER TO EXTERIOR LIGHTING CONTROL DETAIL #8 ON SHEET E5.3. CONNECT TO CIRCUIT SHOWN USING 2#10+G. IN 3/4"C. CONTROL VIA CONTACTOR
- FIXTURE TO BE CONTROLLED ON/OFF VIA PHOTOCELL, REFER TO EXTERIOR LIGHTING CONTROL DETAIL #8 ON SHEET E5.3. CONNECT TO CIRCUIT SHOWN USING 2#10+G. IN 3/4"C. CONTROL VIA CONTACTOR
- LIGHTING CONTRACTORS, LC1 AND LC2, REFER TO EXTERIOR LIGHTING CONTROL DETAIL #8 ON SHEET E5.3.

CONTROLLER. REFER TO TYPICAL WIRING DIAGRAM ON SHEET E5.1,

- NEW TIME CLOCK FOR CONTROL OF EXTERIOR LIGHTING. REFER TO EXTERIOR LIGHTING CONTROL DETAIL #8 ON SHEET E5.3. 6-BUTTON LIGHTING CONTROL WALL STATION, LIKE EATON #RC-6TSB-P4-XX OR APPROVED EQUAL. FINISH TO BE SELECTED BY ARCHITECT. WALL STATION TO BE COMPATIBLE WITH SELECTED ROOM
- DETAIL #1. DAYLIGHTING SENSOR, LIKE EATON #DSRC-FMOIR OR APPROVED EQUAL. SENSOR TO BE CEILING MOUNTED AND BE COMPATIBLE WITH SELECTED ROOM CONTROLLER. REFER TO TYPICAL WIRING DIAGRAM
- ON SHEET E5.1, DETAIL #1. L12 PROVIDE ROOM LIGHTING CONTROLLER IN ROOM. CONTROLLER TO BE LIKE EATON #RC3D-PL OR APPROVED EQUAL. PROVIDE WITH (3) RELAYS, (3) 0-10V DIMMING. UNIT TO BE MOUNTED ABOVE ROOM CEILING, 120V. REFER TO TYPICAL WIRING DIAGRAM ON SHEET E5.1, DETAIL #1. CONNECT CONTROLLER TO SAME CIRCUIT AS ROOM LIGHTING USING 2#12+G. IN 3/4"C.
- OCCUPANCY SENSOR TO BE COMPATIBLE WITH SELECTED ROOM CONTROLLER.
- NEW 20A TOGGLE SWITCH WITH PILOT LIGHT FOR CONTROL OF ATTIC
- L15 ALL ATTIC LIGHTS CONTROLLED FROM DEVICE AT BOTTOM OF ACCESS STAIRS. REFER TO SECOND FLOOR LIGHTING PLAN, DETAIL 1 ON SHEET
- L16 PHOTOCELL FOR CONTROL OF EXTERIOR LIGHTS. PHOTOCELL TO BE LIKE TORK #EPC1 OR APPROVED EQUAL. MOUNT AS HIGH AS POSSIBLE ON WALL. REFER TO EXTERIOR LIGHTING WIRING DIAGRAM, DETAIL #10 ON SHEET E5.3.
 - ROOM LIGHTING CONTROL SCENE 1 = ALL LIGHTING ON; SCENE 2 = 'b' LIGHTS ON, 'a' LIGHTS OFF.



DESIGNED: RDW	ABBBV,D. TKF	ATTR U.	DATE: JANUARY 24, 2019	PROJECT NUMBER	1	1871-/001-20	

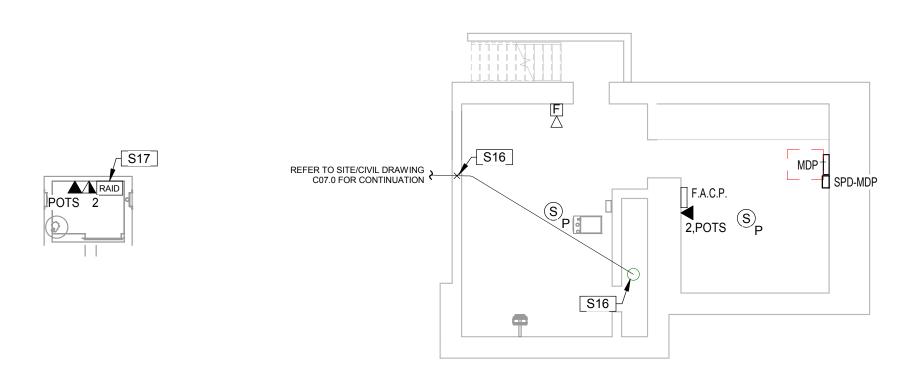
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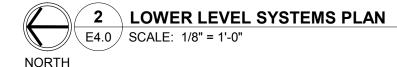
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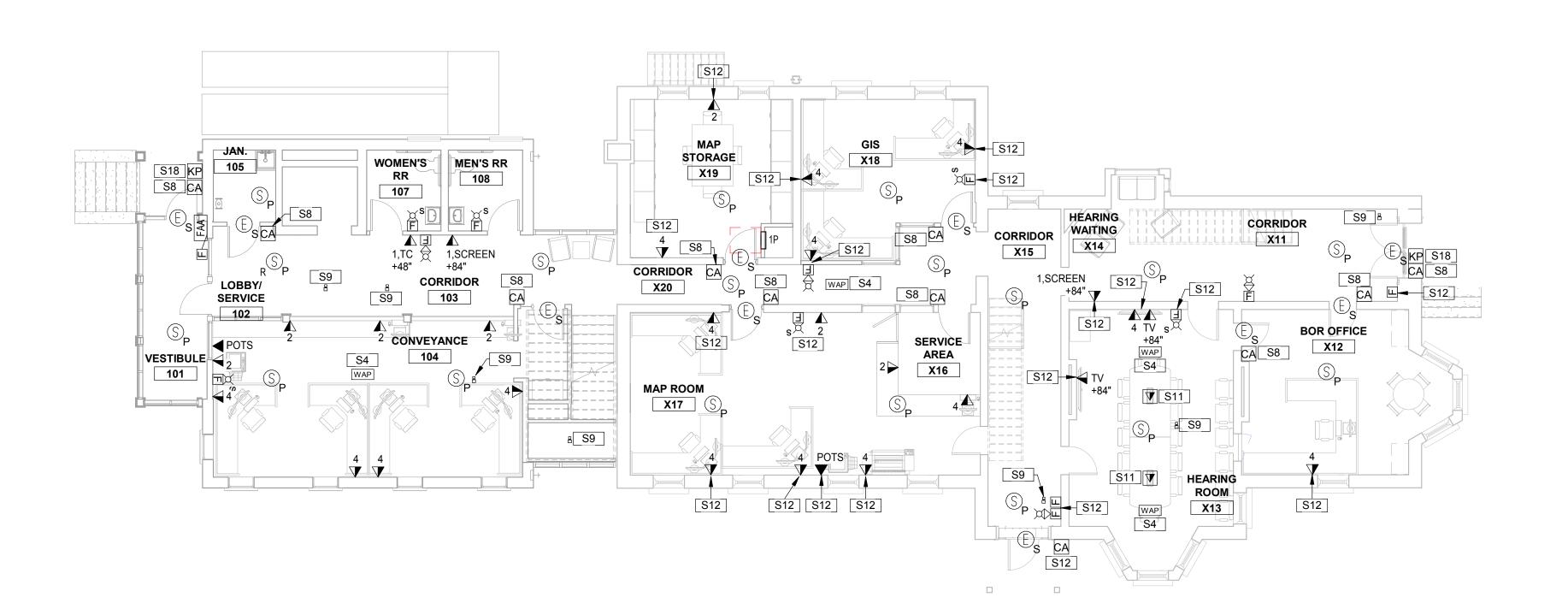
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- A. CONTRACTOR SHALL COORDINATE ALL DEVICE HEIGHTS AND EXACT LOCATIONS WITH CASEWORK SHOP DRAWINGS AND ARCHITECTURAL ELEVATION DETAILS.
- B. REFER TO ARCHITECTURAL SHEETS FOR FIRE RATED WALLS AND CEILINGS. INSTALL FIRESTOP AT PENETRATIONS. INSTALL FIRE RATED PUTTY AROUND BOXES INSTALLED IN FIRE RATED WALLS AND OFFSET BACK TO BACK BOXES.
- C. REFER TO DRAWING E5.3, DETAIL #1 FOR FIRE ALARM DEVICES MOUNTING REQUIREMENTS PER NFPA.
- D. ALL FIRE ALARM CONDUITS SHALL BE FACTORY PAINTED "RED". ALL PULL/JUNCTION BOX COVERS SHALL BE FACTORY PAINTED RED.
- E. WIRING DEVICES AND RACEWAYS ON EXISTING WALLS TO BE SURFACE MOUNTED, U.O.N. RACEWAYS AND RACEWAY ACCESSORES SHALL BE LOW PROFILE, NON-METALLIC RACEWAY SUITABLE TO FINISHED OFFICE AREAS (I.E. LEGRAND/WIREMOLD 400/800/2300 SERIES OR APPROVED EQUAL). INSTALL IN NEAT AND WORKMANLIKE MANNER TO MINIMIZE BENDS, ELBOWS, ETC. PAINT RACEWAYS TO MATCH WALL FINISH COLOR.
- F. REFER TO DRAWING A3.2, GENERAL NOTE E, FOR ACCESS CONTROL REQUIREMENTS.
- G. NOT ALL KEYNOTES ARE USED ON EVERY SHEET.

PLACEMENT OF DEVICE.

S# SYSTEMS KEYNOTES

- S1 EQUIPMENT RACK FOR DATA EQUIPMENT (SERVERS, SWITCHES, PATCH PANEL(S) AND UPS, ETC) FURNISHED BY OWNER.
- GROUND BUS BAR NO.2. MOUNT AT +7'-0" AFF. REFER TO TELE-DATA EQUIPMENT GROUND BUS DETAIL #4, DRAWING E5.3. BOND TO MAIN GROUND BUS BAR NO.1 (IN LOWER LEVEL ELECTRICAL ROOM) USE #1/0 AWG COPPER GREEN INSULATED CABLE.
 STUB 2-3"C OUT INTO 1ST FLOOR ACCESSIBLE CEILING SPACE FOR
- DATA/TEL CABLES
 WIRELESS ACCESS POINT (WAP) LOCATED ON CEILING. WAP
 PROVIDED BY OWNER, INSTALLED BY CONTRACTOR. FURNISH AND
 INSTALL (2) CAT6 DATA CABLES WITH 10' OF SLACK FOR FINAL
- NEW FURNITURE FEED POKE-THRU, REFER TO KEYNOTE #P1 ON SHEET #E2.1 FOR MORE INFORMATION. FURNISH AND INSTALL FOUR (4) CAT6 CABLES TO FURNITURE, COORDINATE EXACT LOCATION BEFORE ROUGH-IN.
- NEW FURNITURE FEED POKE-THRU, REFER TO KEYNOTE #P1 ON SHEET #E2.1 FOR MORE INFORMATION. FURNISH AND INSTALL EIGHT (8) CAT6 CABLES TO FURNITURE, COORDINATE EXACT LOCATION BEFORE ROUGH-IN.
- #1/0 AWG COPPER GREEN INSULATED GROUND CABLE. BOND TO MAIN GROUND BUS #1 (IN MECHANICAL #1502). REFER TO DETAIL #5, DRAWING E5.3.
- S8 CARD ACCESS POINT. PROVIDE 1-GANG RECESSED BOX WITH (2)-1/2"C. STUBBED OUT ABOVE ACCESSIBLE CEILING FOR CONTROL WIRING AND DATA. COORDINATE EXACT LOCATION WITH OWNER BEFORE ROUGH-IN.
- S9 POWER OVER ETHERNET SECURITY CAMERA. CAMERA PROVIDED BY OWNER, INSTALLED BY CONTRACTOR. FURNISH AND INSTALL (1) CAT6 DATA CABLE WITH 10' OF SLACK FOR FINAL PLACEMENT OF CAMERA.

 S10 NEW 8" POKE-THRU DEVICE, REFER TO KEYNOTE #P10 ON SHEET
- ROUGH-IN.

 S11 NEW CONCRETE FLOOR BOX, REFER TO KEYNOTE #P5 ON SHEET

 #E2.1 FOR MORE INFORMATION. FURNISH AND INSTALL FOUR (4) CAT6

 CABLES AND ASSOCIATED JACKS TO EACH BOX, COORDINATE EXACT

#E2.1 FOR MORE INFORMATION. FURNISH AND INSTALL (4) CAT 6 CABLES TO DEVICE. COORDINATE EXACT LOCATION BEFORE

LOCATION BEFORE ROUGH-IN.

NEW DEVICE(S) TO BE SURFACE MOUNTED ON EXISTING WALL.

NEW FURNITURE FEED POKE-THRU, REFER TO KEYNOTE #P1 ON SHEET #E2.0 FOR MORE INFORMATION. FURNISH AND INSTALL SIX (6)

CAT6 CABLES TO FURNITURE, COORDINATE EXACT LOCATION

- BEFORE ROUGH-IN.

 UNIT PROVIDED WITH DUCT SMOKE DETECTOR IN RETURN DUCT.
 PROVIDE ADDRESSABLE CONNECTION AS NEEDED TO FACP IN
- LOWER LEVEL.
 PROVIDE (1) CAT6 CABLE FROM PANEL 'CP-O' TO COUNTY IT SERVER.
- VERIFY WITH OWNER EXACT LOCATION OF SERVER.

 NEW 4"C. WITH PULLSTRING UP TO IT/DATA #X21 FOR UTILITY
 COMMUNICATIONS FEED. STUB OUT ABOVE ACCESSIBLE CEILING IN
 IT/DATA #X21. REFER TO SITE/CIVIL UTILITY PLAN, DRAWING C07.0
 FOR CONTINUATION. COORDINATE EXACT LOCATION WITH OTHER

TRADES BEFORE ROUGH-IN. PROVIDE SEAL FOR PENETRATION THRU

PENETRATIONS THROUGH WALL DETAIL #4 ON DRAWING E5.3.

7 INTERFACE FIRE ALARM CONTROL PANEL WITH ELEVATOR CONTROLLER SO THAT ACTIVATION OF ELEVATOR LOBBY OR ELEVATOR SHAFT SMOKE DETECTORS RECALLS THE ELEVATOR TO

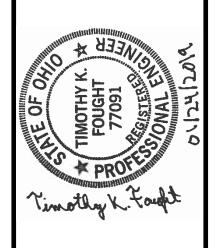
EXISTING WALL. REFER TO LINK SEAL DETAIL - OUTDOOR

- THE FIRST FLOOR.

 S18 ACCESS CONTROL KEYPAD. PROVIDE 1-GANG RECESSED BOX WITH
 (2)-1/2"C. STUBBED OUT ABOVE ACCESSIBLE CEILING FOR CONTROL
 WIRING AND DATA. COORDINATE EXACT LOCATION WITH OWNER
- BEFORE ROUGH-IN.

 TELEPHONE TERMINAL BOARD 'TTB-1'. BOARD SHALL BE PLYWOOD AND 8'-0"H. X 4'-0"W X 3/4"D. REFER TO SPECIFICATION 271100 FOR DETAILED REQUIREMENTS. PAINT (2) COATS MARINE GRADE FIRE RETARDENT PAINT TO MATCH WALL FINISH. ALSO, REFER TO SHEET

A2.2, KEYED NOTE 0607 FOR MORE INFORMATION.



DESIGNED: RDW	Λρουν'ο. ΤΚΕ	N. D.	DATE: JANUARY 24, 2019	PROJECT NUMBER	7	09-100/-1781	

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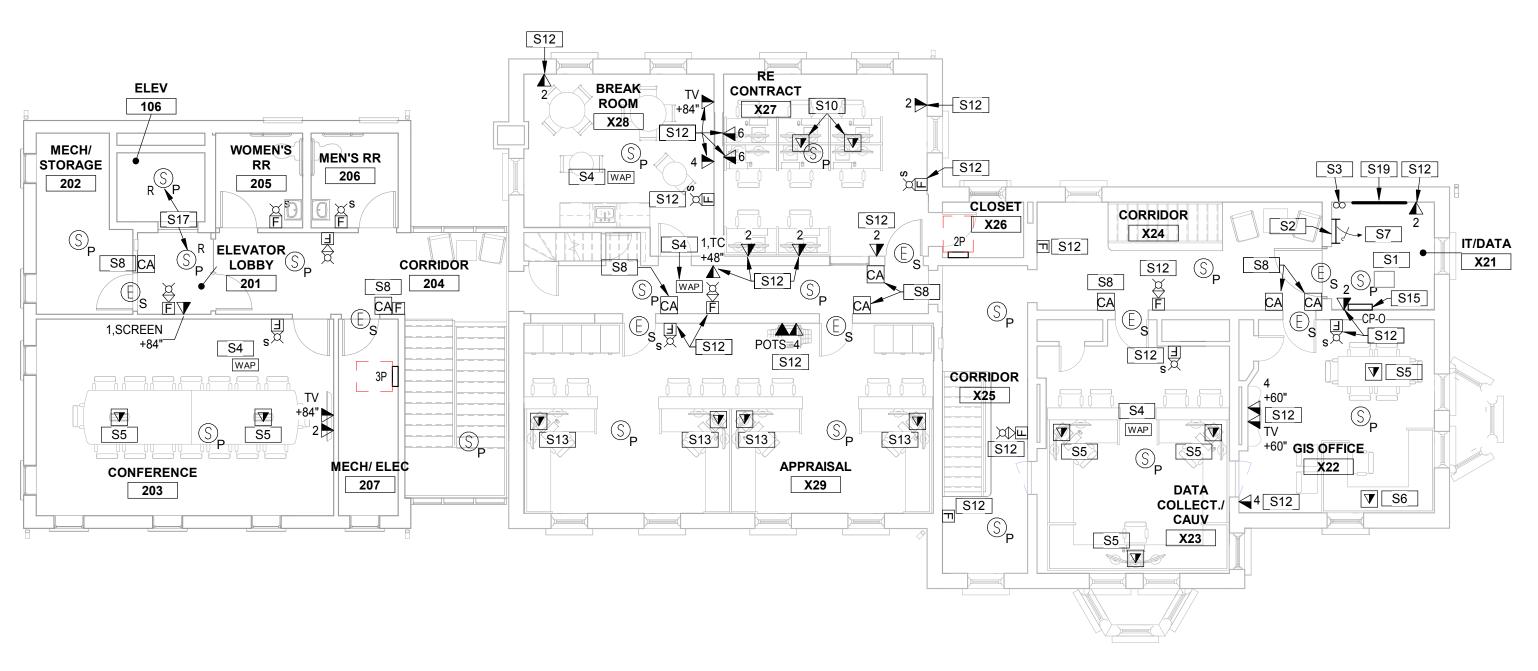
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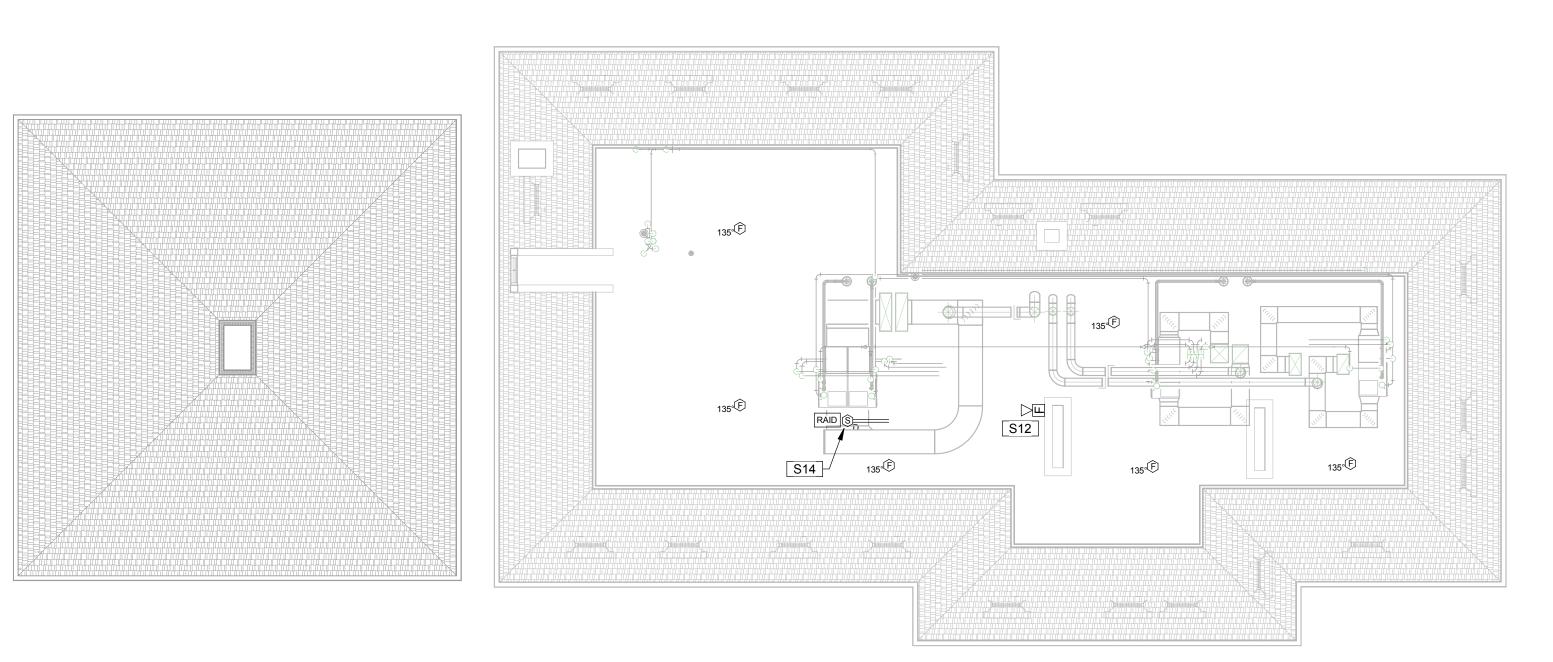
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E4.0

1 FIRST FLOOR SYSTEMS PLAN
E4.0 SCALE: 1/8" = 1'-0"









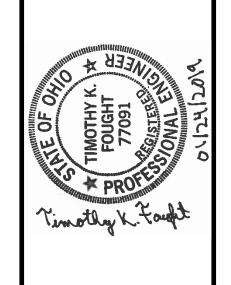
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- C. REFER TO DRAWING E5.3, DETAIL #1 FOR FIRE ALARM DEVICES MOUNTING REQUIREMENTS PER NFPA.
- D. ALL FIRE ALARM CONDUITS SHALL BE FACTORY PAINTED "RED". ALL PULL/JUNCTION BOX COVERS SHALL BE FACTORY PAINTED RED.
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- G. NOT ALL KEYNOTES ARE USED ON EVERY SHEET.

S# SYSTEMS KEYNOTES

- EQUIPMENT RACK FOR DATA EQUIPMENT (SERVERS, SWITCHES, PATCH PANEL(S) AND UPS, ETC) FURNISHED BY OWNER.
- GROUND BUS BAR NO.2. MOUNT AT +7'-0" AFF. REFER TO TELE-DATA EQUIPMENT GROUND BUS DETAIL #4, DRAWING E5.3. BOND TO MAIN GROUND BUS BAR NO.1 (IN LOWER LEVEL ELECTRICAL ROOM) USE #1/0 AWG COPPER GREEN INSULATED CABLE.
- STUB 2-3"C OUT INTO 1ST FLOOR ACCESSIBLE CEILING SPACE FOR DATA/TEL CABLES
- WIRELESS ACCESS POINT (WAP) LOCATED ON CEILING. WAP PROVIDED BY OWNER, INSTALLED BY CONTRACTOR, FURNISH AND INSTALL (2) CAT6 DATA CABLES WITH 10' OF SLACK FOR FINAL PLACEMÈNT OF DEVICE. NEW FURNITURE FEED POKE-THRU, REFER TO KEYNOTE #P1 ON
- SHEET #E2.1 FOR MORE INFORMATION. FURNISH AND INSTALL FOUR (4) CAT6 CABLES TO FURNITURE, COORDINATE EXACT LOCATION BEFORE ROUGH-IN. NEW FURNITURE FEED POKE-THRU, REFER TO KEYNOTE #P1 ON
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- MAIN GROUND BUS #1 (IN MECHANICAL #1502). REFER TO DETAIL #5, DRAWING E5.3. CARD ACCESS POINT. PROVIDE 1-GANG RECESSED BOX WITH
- (2)-1/2"C. STUBBED OUT ABOVE ACCESSIBLE CEILING FOR CONTROL WIRING AND DATA. COORDINATE EXACT LOCATION WITH OWNER BEFORE ROUGH-IN. POWER OVER ETHERNET SECURITY CAMERA. CAMERA PROVIDED BY
- OWNER, INSTALLED BY CONTRACTOR. FURNISH AND INSTALL (1) CAT6 DATA CABLE WITH 10' OF SLACK FOR FINAL PLACEMENT OF CAMERA. NEW 8" POKE-THRU DEVICE, REFER TO KEYNOTE #P10 ON SHEET #E2.1 FOR MORE INFORMATION. FURNISH AND INSTALL (4) CAT 6 CABLES TO DEVICE. COORDINATE EXACT LOCATION BEFORE
- NEW CONCRETE FLOOR BOX, REFER TO KEYNOTE #P5 ON SHEET #E2.1 FOR MORE INFORMATION. FURNISH AND INSTALL FOUR (4) CAT6 CABLES AND ASSOCIATED JACKS TO EACH BOX, COORDINATE EXACT LOCATION BEFORE ROUGH-IN.
- NEW DEVICE(S) TO BE SURFACE MOUNTED ON EXISTING WALL. NEW FURNITURE FEED POKE-THRU, REFER TO KEYNOTE #P1 ON SHEET #E2.0 FOR MORE INFORMATION. FURNISH AND INSTALL SIX (6) CAT6 CABLES TO FURNITURE, COORDINATE EXACT LOCATION
- UNIT PROVIDED WITH DUCT SMOKE DETECTOR IN RETURN DUCT. PROVIDE ADDRESSABLE CONNECTION AS NEEDED TO FACP IN

BEFORE ROUGH-IN.

- LOWER LEVEL. PROVIDE (1) CAT6 CABLE FROM PANEL 'CP-O' TO COUNTY IT SERVER.
- VERIFY WITH OWNER EXACT LOCATION OF SERVER. NEW 4"C. WITH PULLSTRING UP TO IT/DATA #X21 FOR UTILITY COMMUNICATIONS FEED. STUB OUT ABOVE ACCESSIBLE CEILING IN IT/DATA #X21. REFER TO SITE/CIVIL UTILITY PLAN, DRAWING C07.0 FOR CONTINUATION. COORDINATE EXACT LOCATION WITH OTHER TRADES BEFORE ROUGH-IN. PROVIDE SEAL FOR PENETRATION THRU EXISTING WALL. REFER TO LINK SEAL DETAIL - OUTDOOR
- PENETRATIONS THROUGH WALL DETAIL #4 ON DRAWING E5.3. INTERFACE FIRE ALARM CONTROL PANEL WITH ELEVATOR CONTROLLER SO THAT ACTIVATION OF ELEVATOR LOBBY OR ELEVATOR SHAFT SMOKE DETECTORS RECALLS THE ELEVATOR TO
- ACCESS CONTROL KEYPAD. PROVIDE 1-GANG RECESSED BOX WITH (2)-1/2"C. STUBBED OUT ABOVE ACCESSIBLE CEILING FOR CONTROL WIRING AND DATA. COORDINATE EXACT LOCATION WITH OWNER
- BEFORE ROUGH-IN. TELEPHONE TERMINAL BOARD 'TTB-1'. BOARD SHALL BE PLYWOOD AND 8'-0"H. X 4'-0"W X 3/4"D. REFER TO SPECIFICATION 271100 FOR DETAILED REQUIREMENTS. PAINT (2) COATS MARINE GRADE FIRE RETARDENT PAINT TO MATCH WALL FINISH. ALSO, REFER TO SHEET A2.2, KEYED NOTE 0607 FOR MORE INFORMATION.



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DESCRIPTION	11.3MCA .75 11.3MCA .75 14.4MCA 1	CIRCUIT (*) DESIGNATION	O.C.P						
EURNACE - F-1 120 1 EURNACE - F-2 120 1 EURNACE - F-3 120 1 EURNACE - F-3 120 1 EURNACE - F-5A 120 1 EURNACE - F-5B 120 1 EURNACE - F-6 120 1 EURNACE - F-8 120 1 EURN	11.3MCA .75 11.3MCA .75 14.4MCA 1		AMPS P	—— CONDUCTO	RS CONDUIT	DISCONNECT BY	STARTER BY	DRAWING LOCATION	REMARK / DISC OR STARTER TYPE
FURNACE - F-3 FURNACE - F-4 FURNACE - F-5A FURNACE - F-5B FURNACE - F-6 FURNACE - F-5B FURNACE - F-6 FURNACE - F-6 FURNACE - F-5B FURNACE - F-6 FURNACE - F-6	14.4MCA 1	3P-14	20	1 2#12 + #12	G. 3/4"C.	M.C.		MECH #202, DRAWING E2.1	*1
FURNACE - F-4 120 1 FURNACE - F-5A 120 1 FURNACE - F-5B 120 1 FURNACE - F-6 120 1 CONDENSING UNIT - ACCU-1 208 1 CONDENSING UNIT - ACCU-2 208 1 CONDENSING UNIT - ACCU-3 208 1 CONDENSING UNIT - ACCU-4 208 1 CONDENSING UNIT - ACCU-5A 208 1 CONDENSING UNIT - ACCU-5B 208 1 CONDENSING UNIT - ACCU-6 208 1 CONDENSING UNIT - ACCU-7 208 1 CONDENSING UNIT - ACCU-6 208 1 CONDENSING UNIT - ACCU-7 208 1 CONDENSING UNIT - ACCU-6 208 1 CONDENSING UNIT - ACCU-5B 208		MDP-24	20	1 2#12 + #12	G. 3/4"C.	M.C.		BASEMENT, DRAWING E2.0	_* 1
FURNACE - F-5A 120 1 FURNACE - F-5B 120 1 FURNACE - F-6 120 1 CONDENSING UNIT - ACCU-1 208 1 CONDENSING UNIT - ACCU-2 208 1 CONDENSING UNIT - ACCU-3 208 1 CONDENSING UNIT - ACCU-4 208 1 CONDENSING UNIT - ACCU-5A 208 1 CONDENSING UNIT - ACCU-5A 208 1 CONDENSING UNIT - ACCU-5B 208 1 CONDENSING UNIT - ACCU-6 208 1 CONDENSING UNIT - ACCU-7 208 1 CONDENSING UNIT - ACCU-7 208 1 DUCTLESS SPLIT - DSS-1 208 1 EXHAUST FAN - EF-1 120 1 .028 EXHAUST FAN - EF-3 120 1 .028 EXHAUST FAN - EF-4 120 1 .028 EXHAUST FAN - EF-5 120 1 .028	14 21404	2P-37	20	1 2#12 + #12	G. 3/4"C.	M.C.		ATTIC, DRAWING E2.1	_* 1
EURNACE - F-5B	11.3MCA .75	3P-12	20	1 2#12 + #12	G. 3/4"C.	M.C.		MECH/ELEC #207, DRAWING E2.1	*1
EURNACE - F-6 120 1 CONDENSING UNIT - ACCU-1 208 1 CONDENSING UNIT - ACCU-2 208 1 CONDENSING UNIT - ACCU-3 208 1 CONDENSING UNIT - ACCU-4 208 1 CONDENSING UNIT - ACCU-5A 208 1 CONDENSING UNIT - ACCU-5B 208 1 CONDENSING UNIT - ACCU-6 208 1 CONDENSING UNIT - ACCU-7 208 1 EXHAUST FAN - EF-1 120 1 .028 EXHAUST FAN - EF-2 120 1 .028 EXHAUST FAN - EF-3 120 1 .028 EXHAUST FAN - EF-4 120 1 .028 EXHAUST FAN - EF-5 120 1 .028 EXHAUST FAN - EF-5 120 1 .028 EXHAUST FAN - EF-5 120 1 .028	11.3MCA .75	2P-41	20	1 2#12 + #12	G. 3/4"C.	M.C.		ATTIC, DRAWING E2.1	*1
CONDENSING UNIT - ACCU-1 CONDENSING UNIT - ACCU-2 CONDENSING UNIT - ACCU-3 CONDENSING UNIT - ACCU-3 CONDENSING UNIT - ACCU-4 CONDENSING UNIT - ACCU-5A CONDENSING UNIT - ACCU-5A CONDENSING UNIT - ACCU-5B CONDENSING UNIT - ACCU-6 CONDENSING UNIT - ACCU-6 CONDENSING UNIT - ACCU-7 CONDENSING UNIT - ACCU-7 DUCTLESS SPLIT - DSS-1 EXHAUST FAN - EF-1 EXHAUST FAN - EF-2 EXHAUST FAN - EF-3 EXHAUST FAN - EF-3 EXHAUST FAN - EF-4 EXHAUST FAN - EF-5 120 1 .028	11.3MCA .75	2P-35	20	1 2#12 + #12	G. 3/4"C.	M.C.		ATTIC, DRAWING E2.1	*1
CONDENSING UNIT - ACCU-2 CONDENSING UNIT - ACCU-3 CONDENSING UNIT - ACCU-4 CONDENSING UNIT - ACCU-5A CONDENSING UNIT - ACCU-5A CONDENSING UNIT - ACCU-5B CONDENSING UNIT - ACCU-6 CONDENSING UNIT - ACCU-7 CONDENSING UNIT - ACCU-7 DUCTLESS SPLIT - DSS-1 EXHAUST FAN - EF-1 EXHAUST FAN - EF-2 EXHAUST FAN - EF-3 EXHAUST FAN - EF-3 EXHAUST FAN - EF-4 EXHAUST FAN - EF-5 120 1 .028	11.3MCA .75	2P-39	20	1 2#12 + #12	G. 3/4"C.	M.C.		ATTIC, DRAWING E2.1	*1
CONDENSING UNIT - ACCU-3 CONDENSING UNIT - ACCU-4 CONDENSING UNIT - ACCU-5A CONDENSING UNIT - ACCU-5B CONDENSING UNIT - ACCU-5B CONDENSING UNIT - ACCU-6 CONDENSING UNIT - ACCU-7 CONDENSING UNIT - ACCU-6 CONDENSING UNIT - ACCU-6 CONDENSING UNIT - ACCU-6 CONDENSING UNIT - ACCU-5B 1 CONDENSING UNIT - ACCU-6 208 1 208 1 208 1 208 1 208 1 208 1 208 208 1 208 208 208 208 208 208 208	24MCA	MDP(7,9)	40	2 2#8 + #10	G. 3/4"C.	M.C.		EXTERIOR, DRAWING E2.0	*1
CONDENSING UNIT - ACCU-4 CONDENSING UNIT - ACCU-5A CONDENSING UNIT - ACCU-5B CONDENSING UNIT - ACCU-6 CONDENSING UNIT - ACCU-7 CONDENSING UNIT - ACCU-7 DUCTLESS SPLIT - DSS-1 EXHAUST FAN - EF-1 EXHAUST FAN - EF-2 EXHAUST FAN - EF-3 EXHAUST FAN - EF-4 EXHAUST FAN - EF-5 120 1 .028	24MCA	MDP(11,13)	40	2 2#8 + #10	G. 3/4"C.	M.C.		EXTERIOR, DRAWING E2.0	_* 1
CONDENSING UNIT - ACCU-5A CONDENSING UNIT - ACCU-5B CONDENSING UNIT - ACCU-6 CONDENSING UNIT - ACCU-7 CONDENSING UNIT - ACCU-7 DUCTLESS SPLIT - DSS-1 EXHAUST FAN - EF-1 EXHAUST FAN - EF-2 EXHAUST FAN - EF-3 EXHAUST FAN - EF-4 EXHAUST FAN - EF-5 120 1 .028	24MCA	MDP(15,17)	40	2 2#8 + #10	G. 3/4"C.	M.C.		EXTERIOR, DRAWING E2.0	_* 1
CONDENSING UNIT - ACCU-5B CONDENSING UNIT - ACCU-6 CONDENSING UNIT - ACCU-7 CONDENSING UNIT - ACCU-7 DUCTLESS SPLIT - DSS-1 EXHAUST FAN - EF-1 EXHAUST FAN - EF-2 EXHAUST FAN - EF-3 EXHAUST FAN - EF-3 EXHAUST FAN - EF-4 EXHAUST FAN - EF-5 120 1 .028	22MCA	MDP(8,10)	35	2 2#8 + #10	G. 3/4"C.	M.C.		EXTERIOR, DRAWING E2.0	*1
CONDENSING UNIT - ACCU-6 CONDENSING UNIT - ACCU-7 208 1 DUCTLESS SPLIT - DSS-1 EXHAUST FAN - EF-1 EXHAUST FAN - EF-2 EXHAUST FAN - EF-3 EXHAUST FAN - EF-3 EXHAUST FAN - EF-4 EXHAUST FAN - EF-5 120 1 .028	22MCA	MDP(12,14)	35	2 2#8 + #10	G. 3/4"C.	M.C.		EXTERIOR, DRAWING E2.0	_* 1
CONDENSING UNIT - ACCU-7 DUCTLESS SPLIT - DSS-1 EXHAUST FAN - EF-1 EXHAUST FAN - EF-2 EXHAUST FAN - EF-3 EXHAUST FAN - EF-4 EXHAUST FAN - EF-4 EXHAUST FAN - EF-5 120 1 .028 EXHAUST FAN - EF-4 120 1 .028 EXHAUST FAN - EF-5 120 1 .028	22MCA	MDP(16,18)	35	2 2#8 + #10	G. 3/4"C.	M.C.		EXTERIOR, DRAWING E2.0	_* 1
EXHAUST FAN - EF-1 120 1 .028 EXHAUST FAN - EF-2 120 1 .028 EXHAUST FAN - EF-3 120 1 .028 EXHAUST FAN - EF-4 120 1 .028 EXHAUST FAN - EF-4 120 1 .028 EXHAUST FAN - EF-5 120 1 .028 EXHAUST FAN - EF-5 120 1 .028 ELEC. UNIT HEATER - EUH-1 208 1 5	22MCA	MDP(19,21)	35	2 2#8 + #10	G. 3/4"C.	M.C.		EXTERIOR, DRAWING E2.0	_* 1
EXHAUST FAN - EF-1 120 1 .028 EXHAUST FAN - EF-2 120 1 .028 EXHAUST FAN - EF-3 120 1 .028 EXHAUST FAN - EF-4 120 1 .028 EXHAUST FAN - EF-5 120 1 .028 EXHAUST FAN - EF-5 120 1 .028 ELEC. UNIT HEATER - EUH-1 208 1 5	13MCA	MDP(23,25)	15	2 2#8 + #10	G. 3/4"C.	M.C.		EXTERIOR, DRAWING E2.0	*1
EXHAUST FAN - EF-2 120 1 .028 EXHAUST FAN - EF-3 120 1 .028 EXHAUST FAN - EF-4 120 1 .028 EXHAUST FAN - EF-5 120 1 .028 EXHAUST FAN - EF-5 120 1 .028 ELEC. UNIT HEATER - EUH-1 208 1 5	33	2P(10,12)	20	1 2#12 + #12	G. 3/4"C.	M.C.		IT/DATA #X21, DRAWING E2.1	*1
EXHAUST FAN - EF-3 EXHAUST FAN - EF-4 EXHAUST FAN - EF-5 ELEC. UNIT HEATER - EUH-1 ELEC. BASEBOARD HEATER - EBH-1 120 1 .028 1 .028 1 .028 1 .028 1 .028 1 .028	028	1P-11	20	1 2#12 + #12	G. 3/4"C.	M.C.	M.C.	WOMEN #107, DRAWING E2.0	_* 1 _* 3
EXHAUST FAN - EF-4 120 1 .028 EXHAUST FAN - EF-5 120 1 .028 ELEC. UNIT HEATER - EUH-1 208 1 5 ELEC. BASEBOARD HEATER - EBH-1 208 1 1.5	028	1P-11	20	1 2#12 + #12	G. 3/4"C.	M.C.	M.C.	MEN #108, DRAWING E2.0	_* 1 _* 3
EXHAUST FAN - EF-5 120 1 .028 ELEC. UNIT HEATER - EUH-1 208 1 5 ELEC. BASEBOARD HEATER - EBH-1 208 1 1.5	028	3P-9	20	1 2#12 + #12	G. 3/4"C.	M.C.	M.C.	WOMEN #205, DRAWING E2.1	_* 1 _* 3
ELEC. UNIT HEATER - EUH-1 208 1 5 ELEC. BASEBOARD HEATER - EBH-1 208 1 1.5	028	3P-9	20	1 2#12 + #12	G. 3/4"C.	M.C.	M.C.	MEN #206, DRAWING E2.1	_* 1 _* 3
ELEC. BASEBOARD HEATER - EBH-1 208 1 1.5	028	1P-11	20	1 2#12 + #12	G. 3/4"C.	M.C.	M.C.	JAN #105, DRAWING E2.0	_* 1 _* 3
	5	MDP(27,29)	40	2 2#8 + #10	G. 3/4"C.	MFGR		BASEMENT, DRAWING E2.0	
ELEC. WALL HEATER - EWH-1 120 1 1.5	1.5	*6	20	2 2#12 + #12	G. 3/4"C.	MFGR		VESTIBULE #101, DRAWING E2.0	
	1.5	*4	20	1 2#12 + #12	G. 3/4"C.	MFGR		*5	
PUMP - CP-1 120 1	1/6	MDP-22	20	1 2#12 + #12	G. 3/4"C.	E.C.	E.C.	BASEMENT, DRAWING E2.0	_* 2
RECIRC PUMP - RP-1 120 1	1/12	3P-15	20	1 2#12 + #12	G. 3/4"C.	E.C.	E.C.	MECH #202, DRAWING E2.1	_* 2
SUMP PUMP - SP-1 120 1	4/10	MDP-20	20	1 2#12 + #12	G. 3/4"C.	E.C.	E.C.	BASEMENT, DRAWING E2.0	*7
FANKLESS GAS WATER HEATER - WH-1 120 1		3P-13	20	1 2#12 + #12	G. 3/4"C.	E.C.		MECH #202, DRAWING E2.1	_* 2

E.C. - CONTRACTOR SHALL FURNISH AND INSTALL, SIZE AS SHOWN. SEE REMARKS FOR SIZE M.C. - STARTER/DISCONNECT TO BE PROVIDED BY EQUIPMENT SUPPLIER, REFER TO MECHANICAL/PLUMBING SCHEDULES. MFGR - INDICATES DISCONNECT INTEGRAL TO UNIT BY MANUFACTURER

(*¹) - UNIT PROVIDED WITH STARTER/DISCONNECT. STARTER/DISCONNECT TO BE MOUNTED/WIRED BY CONTRACTOR.

(*²) - FURNISH AND INSTALL 125VAC, 20A, 1-POLE MANUAL MOTOR STARTER WITH TOGGLE DISCONNECT IN NEMA 1 ENCLOSURE. FURNISH WITH RED (RUN) PILOT LIGHT.

(*³) - FAN TO BE CONNECTED TO SAME CIRCUIT AS ROOM SERVED LIGHTING AND BE CONTROLLED ON/OFF VIA OCCUPANCY SENSOR IN ROOM.

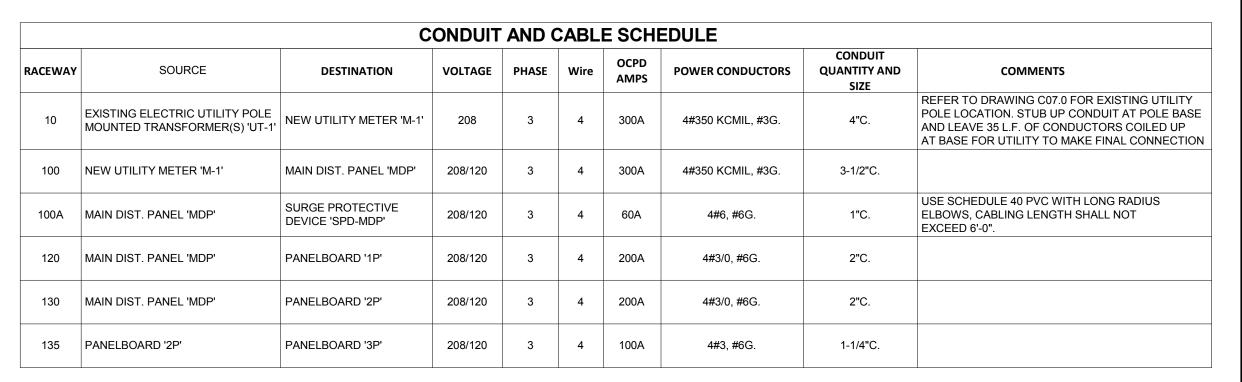
(*4) - THERE ARE (4) TOTAL HEATERS, EACH CONNECTED TO AN INDIVIDUAL CIRCUIT. TWO ARE CONNECTED TO PANEL '1P' AND TWO ARE CONNECTED TO PANEL '3P'

 $(*^5)$ - WALL HEATERS ARE LOCATED IN THE FOLLOWING ROOMS: WOMEN'S RR #107, MEN'S RR #108 - SHEET E2.0

WOMEN'S RR #205, MEN'S RR #206 - SHEET E2.1 (*⁶) - THERE ARE (2) TOTAL HEATERS, EACH CONNECTED TO AN INDIVIDUAL CIRCUIT

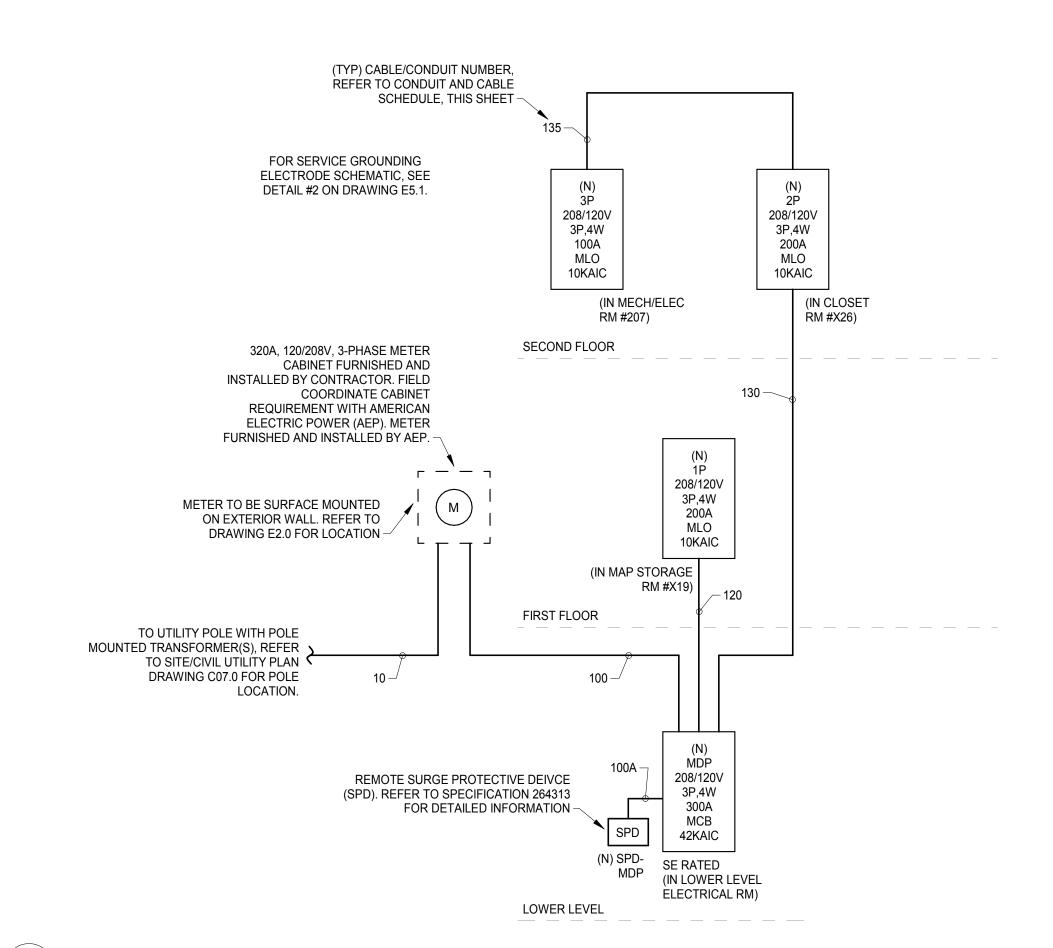
ON PANEL '1P', CIRCUITS (21,23) AND (25,27).

(*') - UNIT IS CORD AND PLUG, REFER TO PLAN FOR LOCATION.



SCHEDULE NOTES:

1. ELECTRIC UTILITY = AMERICAN ELECTRIC POWER (AEP) CONTACT = BOB HARDMAN, 740-689-4723, rthardman@aep.com



1 ONE-LINE DIAGRAM

E5.0 SCALE: N.T.S.

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LS6301-XX / LS6540

LITHONIA LHQM-LED-R-SD

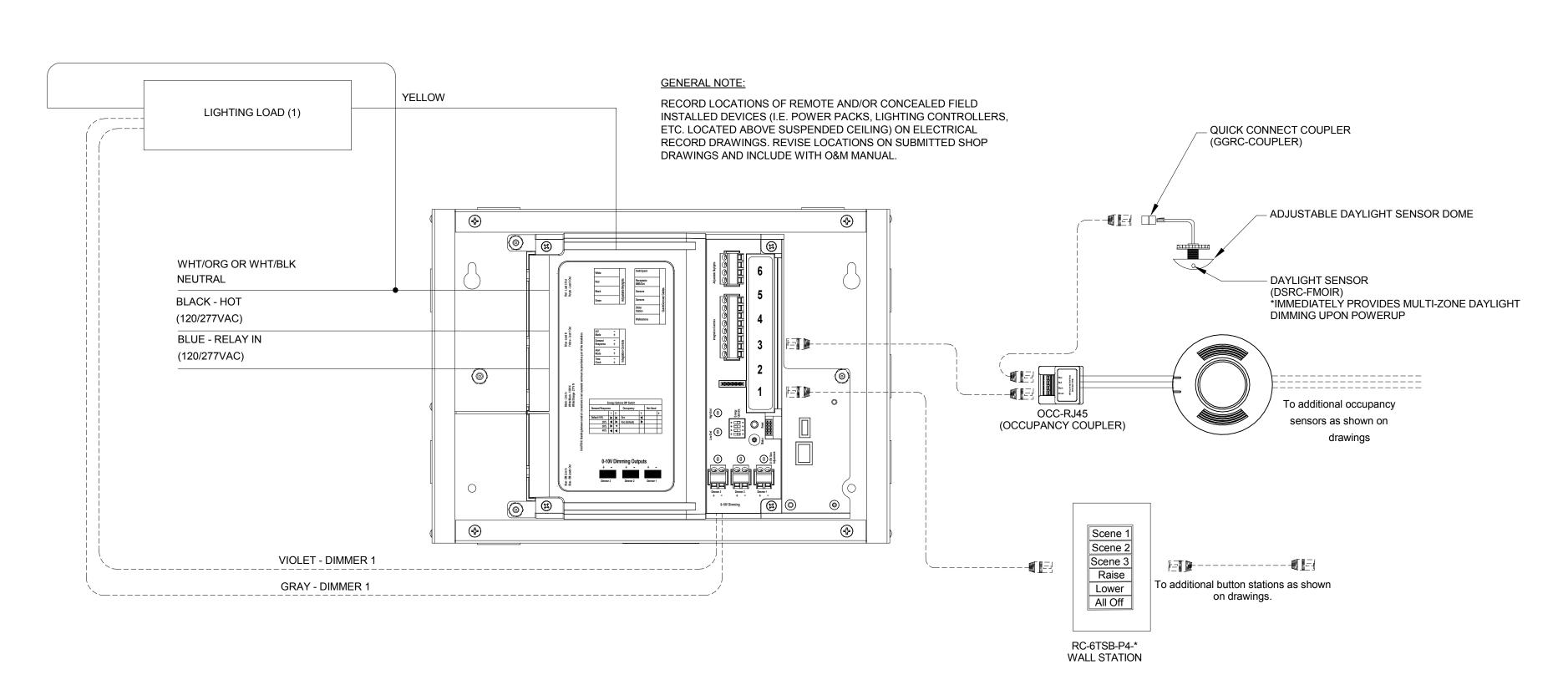
LITHONIA LHQM-S-W-3-R

LIGHT FIXTURE SCHEDULE NOTES

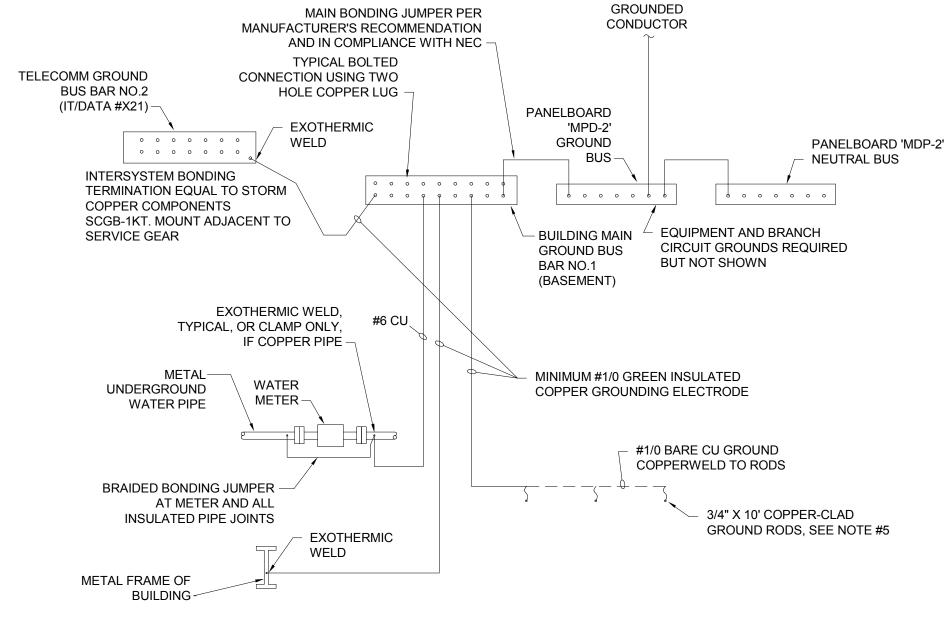
- A. ALL LAY-IN FIXTURES TO HAVE EARTHQUAKE CLIPS AND BE SUPPORTED WITH SAFETY CHAIN, SEE SPECIFICATIONS.
- B. ALL FIXTURES SHALL BE U.L. LISTED.
- C. FURNISH AND INSTALL TWO (2) TOUCH-BASED WALL MOUNTED DMX CONTROLLERS FOR CONTROL OF EXTERIOR RGBW LIGHTS. CONTROLLER TO BE LIKE ACCLAIM LIGHTING #ART-4 PRO OR APPROVED EQUAL. CONTROLLER WILL DRIVE 12-24VDC FIXTURES WITH FOUR USER PRGRAMMABLE STATIC COLOR PRESETS WITH A MANUAL SPEED AND DIMMER FUNCTION. PROVIDE ONE CONTOLLER FOR EACH PAIR OF FLOOD LIGHTS, COORDINATE EXACT MOUNTING LOCATION WITH OWNER BEFORE ROUGH-IN ENGAGE A FACTORY-AUTHORIZED SERVICE REPRESENTATIVE TO TRAIN THE OWNER / OWNER'S PERSONNEL TO ADJUST, OPERATE AND MAINTAIN THE CONTROLLER. INCLUDE ALL WIRING AS NEEDED BETWEEN CONTROLLER AND LIGHTS AND/OR DATA INJECTOR.

INJECTOR AND SURFACE MOUNTED KIT. ALL WITH FINISH TO BE SELECTED BY ARCHITECT.

X2 | LED | 3 W | 120V | THERMOPLASTIC EXIT SIGN WITH SEALED LEAD-ACID BATTERY, 120V, 3.3W, WHITE HOUSING AND RED LETTERS.



4 W 120V THERMOPLASTIC COMBO EXIT SIGN WITH SINGLE BATTERY, 120V, 4.3W, SEALED NI-CAD BATTERY, DOUBLE LED HEADS AND SELF DIAGNOSTICS AND RED LETTERS.



DETAIL #3 ON SHEET E5.3. PROVIDE ALL TERMINATIONS AND CABLING NEEDED FOR A COMPLETE AND OPERABLE SYSTEM.

REFER TO LIGHT FIXTURE SCHEUDLE NOTE C BELOW.

NOTES:

APPROVED EQUAL

APPROVED EQUAL

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EATON SURE-LITES AS DUAL-LITE AS

APPROVED EQUAL APPROVED EQUAL

APPROVED EQUAL

- 1. ALL WIRE SIZES SHOWN ARE MINIMUM SIZE TO BE INSTALLED. ALL GROUNDING ELECTRODE CONDUCTOR SIZES SHALL CONFORM TO NEC ARTICLE 250-94
- 2. FURNISH AND INSTALL BRAIDED BONDING JUMPERS AT ALL JOINTS AND TO BUILDING STEEL.
- 3. WHERE MORE THAN ONE METAL UNDERGROUND WATER PIPE ENTERS
- 4. ALL UNDERGROUND/BURIED GROUND RODS AND GROUNDING

THE BUILDING, BOND TO ALL ENTRIES.

GROUND RODS SHALL BE INSTALLED PER NEC ARTICLE 250.53G. THE FULL LENGTH OF THE ELECTRODE SHALL BE IN CONTACT WITH SOIL. THE ELECTRODE SHALL BE BURIED IN TRENCH A MINIMUM OF 30" DEEP WITH THE UPPER END OF THE ELECTRODE FLUSH WITH OR BELOW GROUND LEVEL UNLESS PROTECTED.

ELECTRODE CONDUCTORS SHALL BE AT LEAST 18" BELOW GRADE.

SERVICE ENTRANCE GROUNDING ELECTRODE 2 SYSTEM SCHEMATIC

E5.1 / SCALE: N.T.S.

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Location: Supply From: MDP Mounting: Flush Enclosure: 1

Volts: 120/208 Wye Phases: 3 Wires: 4

A.I.C. Rating: 10kA Mains Type: MLO Mains Rating: 200 A

NEW FLUSH MOUNTED PANEL PROVIDE WITH THREE (3) EMPTY 1"C. STUBBED OUT ABOVE CEILING FOR FUTURE USE.

CKT	Circuit Description	Trip	Poles	Α (VA)	В (VA)	C (VA)	Poles	Trip	Circuit Description	CKT
1	SPARE	20 A	1	0	0					1	20 A	SPARE	2
3	SPARE	20 A	1			0	0			1	20 A	SPARE	4
5	SPARE	20 A	1					0	0	1	20 A	SPARE	6
7	Lighting - Rooms #X11 to #X15	20 A	1	549	720					1	20 A	Recepts - Rm #X18	8
9	Lighting - Rooms #X16 to #X19	20 A	1			577	720			1	20 A	Recepts - Rm #X18	10
11	Lighting - Rooms #101 to #110 & EF-1,2,5	20 A	1					579	720	1	20 A	Recepts - Rms #X11, X14 & X15	12
13	Recepts - Rms #X19, X20 & 103	20 A	1	720	720					1	20 A	Recepts - Rm #X12	14
15	Wall Heater - EWH-1 - Rm #108	20 A	1			1500	720			1	20 A	Recepts - Rm #X12	16
17	Wall Heater - EWH-1 - Rm #107	20 A	1					1500	1080	1	20 A	Recepts - Rm #X13	18
19	Recepts - Rms #103, 107 & 108 and Elec Valves	20 A	1	920	1260					1	20 A	Recepts - Rms #X13 & X15	20
21	Baseboard Heater - EBH-1 - Rm #101	20 A	2			750	1080			1	20 A	Recepts - Rms #X17	22
23								750	360	1	20 A	Quad Recept - Rm #X13 (Coffee)	24
25	Baseboard Heater - EBH-1 - Rm #101	20 A	2	750	1000					1	20 A	Printer - Rm #X17	26
27						750	720			1	20 A	Recepts - Rm #X17	28
29	Recepts - Rms #101 & 105	20 A	1					720	1000	1	20 A	Copier - Rm #X17	30
31	Recepts - Rm #104	20 A	1	900	1000					1	20 A	Auto Doors - Doors #101A & 101B - Rm #101	32
33	Recepts - Rm #104	20 A	1			900	540			1	20 A	Recepts - Rm #X17	34
35	Copier - Rm #104	20 A	1					1000	540	1	20 A	Recepts - Exterior	36
37	Recepts - Rm #104	20 A	1	720	0							SPACE	38
39	Recepts - Rm #104	20 A	1			720	0					SPACE	40
41									0			SPACE	42
		Tota	al Load:	923	5 VA	8950) VA	8230	AV C				-

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel	Totals
HVAC	84 VA	100.00%	84 VA		
Lighting	1624 VA	125.00%	2030 VA	Total Conn. Load:	26416 VA
Motor	1000 VA	112.50%	1125 VA	Total Est. Demand:	23931 VA
Other	0 VA	0.00%	0 VA	Total Conn. Current:	73 A
Receptacle	14580 VA	100.00%	14580 VA	Total Est. Demand Current:	66 A
Heating	6000 VA	100.00%	6000 VA		
Misc.	200 VA	100.00%	200 VA		
Misc. Non-Continuous	3000 VA	0.01%	0 VA		

Total Amps: 78 A 76 A

Branch Panel: MDP

Location: Basement Electrical Room Supply From: See One-Line Mounting: Surface Enclosure: 1

Volts: 120/208 Wye Phases: 3 Wires: 4

A.I.C. Rating: 22kA Mains Type: MCB Mains Rating: 300 A MCB Rating: 300 A

NEW SURFACE MOUNTED PANEL. PANEL TO SERVICE ENTRANCE (SE) RATED.

СКТ	Circuit Description	Trip	Poles	A ('	VA)	В (\	/A)	C (VA)	Poles	Trip	Circuit Description	СКТ
1	SPARE	20 A	1	0	0					1	20 A	SPARE	2
3	SPARE	20 A	1			0	0			1	20 A	SPARE	4
5	SPARE	20 A	1					0	0	1	20 A	SPARE	6
7	Condensing Unit - ACCU-1 - Exterior	40 A	2	1997	1831					2	35 A	Condensing Unit - ACCU-4 - Exterior	8
9						1997	1831						10
11	Condensing Unit - ACCU-2 - Exterior	40 A	2					1997	1831	2	35 A	Condensing Unit - ACCU-5A - Exterior	12
13				1997	1831								14
15	Condensing Unit - ACCU-3 - Exterior	40 A	2			1997	1831			2	35 A	Condensing Unit - ACCU-5B - Exterior	16
17								1997	1831				18
19	Condensing Unit - ACCU-6 - Exterior	35 A	2	1831	1200					1	20 A	Sump Pump - 'SP-1' - Basement	20
21						1831	528			1	20 A	Circ Pump - 'CP-1' - Basement	22
23	Condensing Unit - ACCU-7 - Exterior	15 A	2					1082	1085	1		Furnace 'F-2' - Basement	24
25				1082	125					1		Lighting - Basement	26
27	Elec. Unit Heater - 'EUH-1' - Basement	40 A	2			2500	0			1	20 A	Lighting Contactors #LC1 & LC2 coils	28
29								2500	100	1	20 A	Time Clock - Basement	30
31	*,Fire Alarm Control Panel - FACP - Basement	20 A	1	250	86					1		Lighting - Exterior Egress (via central inverter unit)	32
33							166			1	20 A	Lighting - Exterior Sign	34
35									92	1	20 A	Lighting - Exterior Flag Pole	36
37	*,Elevator - Basement	150 A	3	7812	125					1	20 A	Central Inverter Unit - Basement	38
39						7812	180			1	20 A	Elevator Pit Recept Basement	40
41								7812	1000	1	20 A	Elev Cab Lights - Basement	42
43	Panelboard '1P' - First Floor Rm #X19	200 A	3	9235	0							SPACE	44
45						8950	0					SPACE	46
47								8230	0			SPACE	48
49	Panelboards '2P' & '3P' - Second Floor	200 A	3	11948	0					3	60 A	Surge Protective Device 'SPD-MDP'	50
51						12056	0						52
53								12736	0				54

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel	Totals
HVAC	1749 VA	100.00%	1749 VA		
Lighting	3991 VA	125.00%	4989 VA	Total Conn. Load:	101377 VA
Motor	1960 VA	108.88%	2134 VA	Total Est. Demand:	97323 VA
Other	1000 VA	100.00%	1000 VA	Total Conn. Current:	281 A
Receptacle	31240 VA	100.00%	31240 VA	Total Est. Demand Current:	270 A
Cooling	28857 VA	100.00%	28857 VA		
Heating	21891 VA	100.00%	21891 VA		
Misc.	5600 VA	100.00%	5600 VA		
Misc. Non-Continuous	5200 VA	0.01%	1 VA		

348 A

353 A

* = PROVIDE WITH RED BREAKER LOCK KIT TO HOLD THE BRANCH BREAKER HANDLE IN THE OPEN OR CLOSED POSITION.

Total Amps: 345 A

Branch Panel: 2P

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

Volts: 120/208 Wye Phases: 3 Wires: 4

A.I.C. Rating: 10kA Mains Type: MLO Mains Rating: 200 A MCB Rating: 200 A

NEW SURFACE MOUNTED PANEL

СКТ	Circuit Description	Trip	Poles	Α (VA)	В (VA)	C (VA)	Poles	Trip	Circuit Description	СКТ
1	SPARE	20 A	1	0	0					1	20 A	SPARE	2
3	SPARE	20 A	1			0	0			1	20 A	SPARE	4
5	SPARE	20 A	1					0	0	1	20 A	SPARE	6
7	Lighting - Rooms #X21 to #X25	20 A	1	446	360					1	20 A	Quad Recept - IT/Data #X21	8
9	Lighting - Rooms #X26 to #X30	20 A	1			582	34			2	20 A	Ductless Split - 'DSS-1' - Rm #X21	10
11	Recepts - Rms #X26 & X27	20 A	1					720	34				12
13	Quad Recepts - Rm #X27	20 A	1	720	1500					2	30 A	Spec. Recept - IT/Data #X21	14
15	Floor Box - Rm #X27	20 A	1			720	1500						16
17	Floor Box - Rm #X27	20 A	1					720	250	1	20 A	Control Panel 'CP-O' - Rm #X21	18
19	Quad Recepts - Rm #X27	20 A	1	720	360					1	20 A	Quad Recept - IT/Data #X21	20
21	Recepts - Rm #X28	20 A	1			900	1080			1	20 A	Recepts - Rms #X21, X22 & X24	22
23	*,Refrig - Rm #X28	20 A	1					1000	900	1	20 A	Recepts - Rm #X23	24
25	Disposal - Rm #X28	20 A	1	696	900					1	20 A	Recepts - Rm #X22	26
27	Coffee - Rm #X28	20 A	1			1000	900			1	20 A	Recepts - Rms #X23 & X25	28
29	Micro - Rm #X28	20 A	1					1200	720	1	20 A	Recepts- Rm #X29	30
31	Recepts - Attic	20 A	1	360	900					1	20 A	Recepts- Rm #X29 & Corridor	32
33	SPACE					0	900			1	20 A	Recepts- Rm #X29	34
35	Furnace - F-5B - Attic	20 A	1					1085	1000	1	20 A	Copier - Rm #X29	36
37	Furnace - F-3 - Attic	20 A	1	1382	0							SPACE	38
39	Furnace - F-6 - Attic	20 A	1			1085	0					SPACE	40
41	Furnace - F-5A - Attic	20 A	1					1085	0			SPACE	42
43	SPACE			0	0							SPACE	44
45	SPACE					0	0					SPACE	46
47	SPACE							0	0			SPACE	48
49	SPACE			0	3625					3	100 A	Panel '3P' - Second Floor Rm #207	50
51	SPACE					0	3380						52
53	SPACE							0	4023				54
		Tota	al Load:	1194	8 VA	1205	6 VA	1273	6 VA				
				4.0	o 4	10	4 4	10	- A	_			

	Legend:
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Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
HVAC	1136 VA	100.00%	1136 VA	
Lighting	1698 VA	125.00%	2123 VA	Total Conn. Load: 36488 VA
Motor	960 VA	118.13%	1134 VA	Total Est. Demand: 34873 VA
Other	0 VA	0.00%	0 VA	Total Conn. Current: 101 A
Receptacle	16480 VA	100.00%	16480 VA	Total Est. Demand Current: 97 A
Cooling	68 VA	100.00%	68 VA	
Heating	9806 VA	100.00%	9806 VA	
Misc.	4200 VA	100.00%	4200 VA	
Misc. Non-Continuous	2200 VA	0.01%	0 VA	
Matan	•	•	'	•

Total Amps: 100 A 101 A 106 A

* = PROVIDE GROUND FAULT CIRCUIT INTERRUPTING (GFCI) BREAKER



Supply From: 2P Mounting: Surface

Enclosure: 1

Volts: 120/208 Wye Phases: 3 Wires: 4

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

NEW SURFACE MOUNTED PANEL

	1									· · · · · · · · · · · · · · · · · · ·			
СКТ	Circuit Description	Trip	Poles	Α (VA)	В(VA)	C (VA)	Poles	Trip	Circuit Description	СКТ
1	SPARE	20 A	1	0	0					1	20 A	SPARE	2
3	SPARE	20 A	1			0	0			1	20 A	SPARE	4
5	SPARE	20 A	1					0	0	1	20 A	SPARE	6
7	Recepts - Rms #201, 202, 205 & 206	20 A	1	560	900					1	20 A	Recepts - Rm #203	8
9	Lighting - Rooms #201 to #207, EF-3 & EF-4	20 A	1			554	1080			1	20 A	Recepts - Rm #203	10
11	Recepts - Rms #204 & 207	20 A	1					1260	1085	1	20 A	Furnace - F-4 - Rm #207	12
13	Water Heater - WH-1 - Rm #202	20 A	1	1080	1085					1	20 A	Furnace - F-1 - Rm #202	14
15	Recirc Pump - RP-1 - Rm #202	20 A	1			264	1500			1	20 A	Elec. Wall Heater - EWH-1 - Rm #206	16
17	Lighting - Attic	20 A	1					178	1500	1	20 A	Elec. Wall Heater - EWH-1 - Rm #205	18
19	SPACE			0	0							SPACE	20
21	SPACE					0	0					SPACE	22
23	SPACE							0	0			SPACE	24
25	SPACE			0	0					1	20 A	SPARE	26
27	SPACE					0	0			1	20 A	SPARE	28
29	SPACE							0	0	1	20 A	SPARE	30
		Tota	al Load:	362	5 VA	338	0 VA	4023	3 VA	'			

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals		
HVAC	1136 VA	100.00%	1136 VA			
Lighting	672 VA	125.00%	839 VA	Total Conn. Load:	11025 VA	
Motor	264 VA	125.00%	330 VA	Total Est. Demand:	11255 VA	
Other	0 VA	0.00%	0 VA	Total Conn. Current:	31 A	
Receptacle	3600 VA	100.00%	3600 VA	Total Est. Demand Current:	31 A	
Heating	5170 VA	100.00%	5170 VA			
Misc.	200 VA	100.00%	200 VA			
Notes:						

28 A

34 A

Total Amps: 31 A





AUDITOR'S OFFICE DEPARTMENT SCHEDULES COUNTY ESTATE PANELBOARD FAIRFIELD REAL

