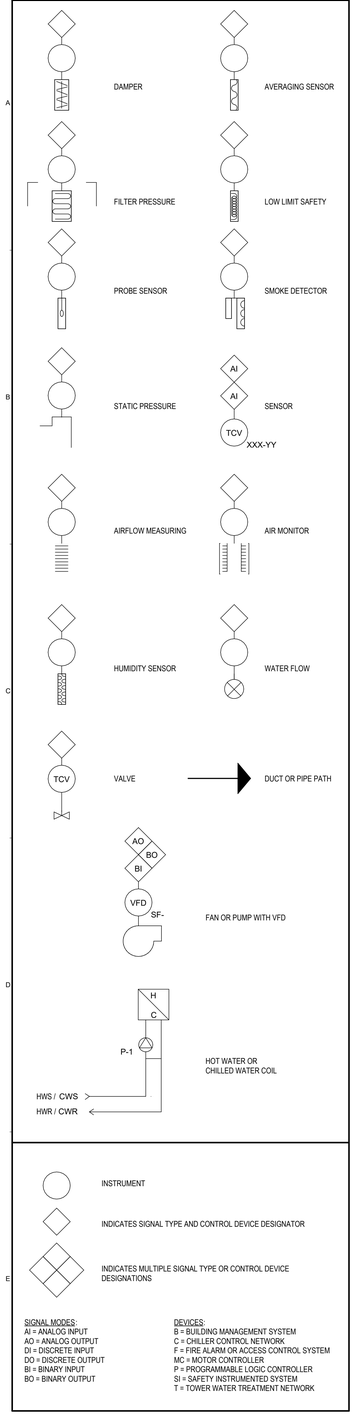
TEMPERATURE CONTROL SYMBOLS

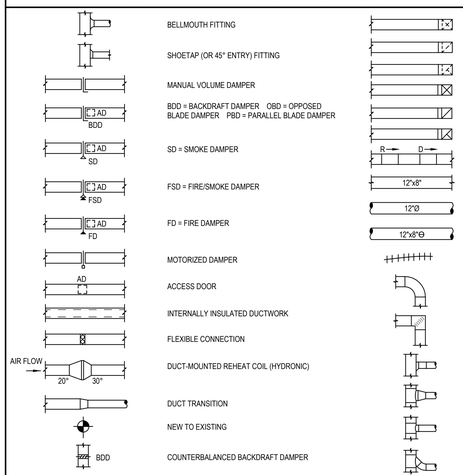


SIGNAL MODES:
AI = ANALOG INPUT
AO = ANALOG OUTPUT
DI = DISCRETE INPUT
DO = DISCRETE OUTPUT
BI = BINARY INPUT
BO = BINARY OUTPUT

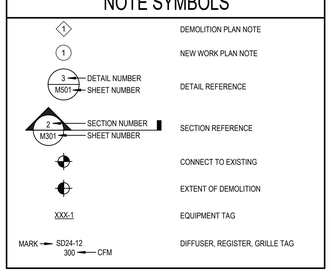
DEVICES:
B = BUILDING MANAGEMENT SYSTEM
C = CHILLER CONTROL NETWORK
F = FIRE ALARM OR ACCESS CONTROL SYSTEM
MC = MOTOR CONTROLLER
P = PROGRAMMABLE LOGIC CONTROLLER
SI = SAFETY INSTRUMENTED SYSTEM
T = TOWER WATER TREATMENT NETWORK

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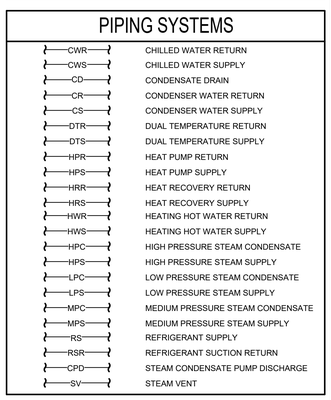
DUCTWORK SYMBOLS



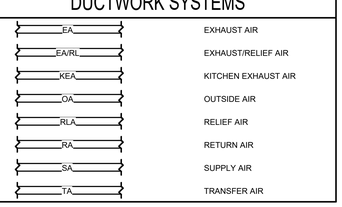
NOTE SYMBOLS



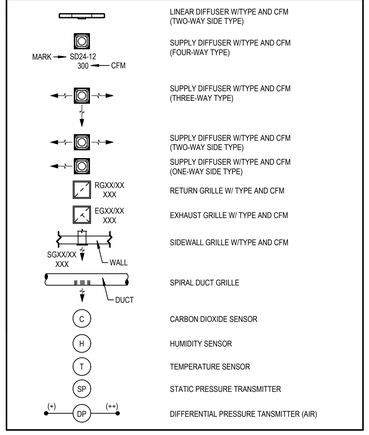
PIPING SYSTEMS



DUCTWORK SYSTEMS



EQUIPMENT SYMBOLS

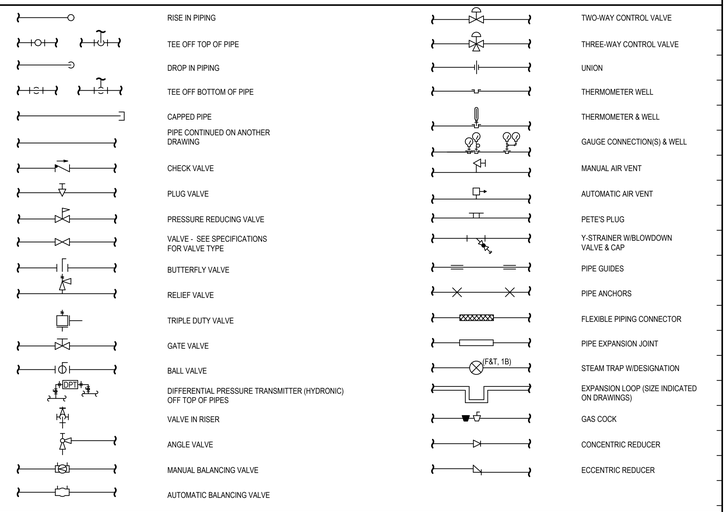


NOTE:
NOT ALL INFORMATION ON THIS SHEET WILL BE USED IN THIS PROJECT

ABBREVIATIONS

ACU	AIR CONDITIONING UNIT	FCU	FAN COIL UNIT	MTD	MOUNTED	TD	TEMPERATURE DIFFERENCE
ACCU	AIR COOLED CONDENSING UNIT	FCV	FLOW CONTROL VALVE	MS	MOTOR STATUS	TE	TEMPERATURE ELEMENT
AAF	AUTOMATIC AIR VENT	FD	FIRE DAMPER	MU	MAKEUP AIR	TEMP	TEMPERATURE
AD	ACCESS DOOR ("M" DWGS).	FE	FIRE ELEMENT	MV	MANUAL VENT	TK	TANK
ADJ	ADJUSTABLE	FF	FILTER FEEDER	MY	MOTOR RELAY	TONS	TONS OF REFRIGERATION
AFF	ABOVE FINISHED FLOOR	FPM	FEET PER MINUTE	NA	NOT APPLICABLE	TSH	TEMPERATURE SWITCH HIGH
AFM	AIR FLOW MONITORING	FS	FLOW SWITCH	NC	NORMALLY CLOSED	TSL	TEMPERATURE SWITCH LOW
AHU	AIR HANDLING UNIT	FT	FOOT/FEET	NO	NORMALLY OPEN	TSP	TOTAL STATIC PRESSURE (IN WG)
ALTER	ALTERNATE	FTR	FINNED TUBE RADIATION	OA	OUTSIDE AIR	TSTAT	THERMOSTAT
AMP	AMPERE (AMP, AMPS)	GA	GAUGE	OAT	OUTSIDE AIR TEMPERATURE (°F)	TT	TEMPERATURE TRANSMITTER
AS	AIR SEPARATOR	GAL	GALLON	OBD	OPPOSED BLADE DAMPER	TYP.	TYPICAL
APD	AIR PRESSURE DROP (IN WG)	GALV	GALVANIZED	P	PUMP	U	HEAT TRANSFER COEFFICIENT
AV	AUTOMATIC VENT	GF	GLYCOL FILL STATION	PBD	PARALLEL BLADE DAMPER	UH	UNIT HEATER
BBD	BOILER BLOW DOWN	GIV	GRAVITY INTAKE VENTILATOR	PCD	PRESSURE CONTROL DAMPER	UV	UNIT VENTILATOR
BDD	BACKDRAFT DAMPER	GPH	GALLONS PER HOUR	PCHR	PANEL CHILLED WATER RETURN	VA	VOLT AMPERE
BFC	BELOW FINISHED CEILING	GPM	GALLONS PER MINUTE	PCHS	PANEL CHILLED WATER SUPPLY	VAR	VARIABLE
BFW	BOILER FEED WATER	GR	GLYCOL RETURN	PCV	PRESSURE CONTROL VALVE	VAV	VARIABLE AIR VOLUME
BFWP	BOILER FEED WATER PUMP	GS	GLYCOL SUPPLY	PD	PRESSURE DROP (IN OR WG AS NOTED)	VD	VOLUME DAMPER
BHP	BRAKE HORSEPOWER	GRV	GRAVITY RELIEF VENTILATOR	PDS	PRESSURE DIFFERENTIAL SWITCH	VERT	VERTICAL
BLDG	BUILDING	H	HUMIDITY / HUMIDIFIER	PE	PNEUMATIC-ELECTRIC	VFD	VARIABLE FREQUENCY DRIVE
BOD	BOTTOM OF DUCT	HC	HEATING COIL	PH	PHASE / PREHEAT	VRV	VARIABLE REFRIGERANT VOLUME
BOP	BOTTOM OF PIPING	HCD	HUMIDITY CONTROLLER DAMPER	PHC	PREHEAT COIL	VUV	VERTICAL UNIT VENTILATOR
BSB	BRANCH SELECTOR BOX	HCH	HUMIDITY CONTROLLER HIGH LIMIT	PI	PRESSURE INDICATOR	WG	WATER GAUGE
BTUH	BRITISH THERMAL UNIT PER HOUR	HCV	HUMIDITY / HUMIDIFIER	PNEU	PNEUMATIC	WPD	WATER PRESSURE DROP
CA	COMBUSTION AIR	HE	HEAT EXCHANGER	PPM	PARTS PER MILLION	Zn	ZONE (n=1, 2, 3, ETC.)
CC	COOLING COIL	HORIZ	HORIZONTAL	PREFAB	PREFABRICATED	ZS	LIMIT / POSITION SWITCH
CD	CONDENSATE DRAIN	HP	HORSEPOWER/HEAT PUMP	PRV	PRESSURE REGULATING VALVE	ZSC	LIMIT / POSITION SWITCH CLOSED
CAB	CABINET	HPWR	HEAT PUMP WATER RETURN	PS	PRESSURE SWITCH	ZSH	LIMIT / POSITION SWITCH / VALVE HIGH (OPEN)
CAV	CONSTANT AIR VOLUME	HPWS	HEAT PUMP WATER SUPPLY	PSH	PRESSURE SWITCH HIGH		
CF	CUBIC FEET	HPWP	HEAT PUMP WATER PUMP	PSL	PRESSURE SWITCH LOW	ZSL	LIMIT / POSITION SWITCH / VALVE HIGH (CLOSED)
CFM	CUBIC FEET PER MINUTE	HPS	HIGH PRESSURE STEAM	PSI	POUNDS PER SQUARE INCH		
CH	CHILLER	HPC	HIGH PRESSURE CONDENSATE	PSIG	POUNDS PER SQUARE INCH GAUGE	ZSO	LIMIT / POSITION SWITCH OPEN
CHP	CHILLED WATER PUMP	HRP	HEAT RECOVERY PUMP	PT	PRESSURE TRANSMITTER	ZZ	POSITION FEEDBACK
CWR	CHILLED WATER RETURN	HRR	HEAT RECOVERY RETURN	PUN	PROPELLER UNIT HEATER		
CWS	CHILLED WATER SUPPLY	HRS	HEAT RECOVERY SUPPLY	R	THERMAL RESISTANCE		
CI	CAST IRON	HS	HAND SWITCH	R(#)	REFRIGERANT (NUMBER)		
CO	CLEANOUT / CARBON MOXIDE	HSPF	HEATING SEASONAL PERFORMANCE FACTOR	RA	RETURN AIR		
CO2	CARBON DIOXIDE	HT	HUMIDITY TRANSMITTER	RAT	RETURN AIR TEMPERATURE (°F)		
CONV	CONVECTOR	HWP	HEATING HOT WATER PUMP	RECIR	RECIRCULATE(E), (OR), (ING)		
COP	COEFFICIENT OF PERFORMANCE	HWR	HEATING HOT WATER RETURN	RES	RELATIVE HUMIDITY		
CP	CONDENSATE PUMP	HWS	HEATING HOT WATER SUPPLY	RF	RETURN FAN		
CR	CONDENSER WATER RETURN	HZ	FREQUENCY (MEGAHERTZ)	RG	RETURN GRILLE		
CS	CONDENSER WATER SUPPLY	IB	INVERTED BUCKET STEAM TRAP	RH	RELATIVE HUMIDITY / REHEAT		
CT	COOLING TOWER	ID	INSIDE DIAMETER	RHC	REHEAT COIL		
CUH	CABINET UNIT HEATER	IN	INCH/INCHES	RHG	REFRIGERANT HOT GAS		
CV	CONTROL VALVE	INCIN	INCINERATOR	RL	REFRIGERANT LIQUID		
CWP	CONDENSER WATER PUMP	INT	INTERIOR	RP	RADIANT PANEL (CEILING-MOUNTED)		
D	DRAIN	KW	KILOWATT	RPM	REVOLUTIONS PER MINUTE		
DA	DAMPER ACTUATOR	L	LOUVER	RS	REFRIGERANT SUCTION		
DN	DOWN	LAB	LABORATORY	RV	REFRIGERANT VENT		
DPT	DIFFERENTIAL PRESSURE TRANSMITTER	LAD	LAMINAR AIR DIFFUSER	SA	SUPPLY AIR		
EA	EXHAUST AIR	LAF	LAMINAR AIR FLOW	SC	SPEED CONTROLLER		
EAT	ENTERING AIR TEMPERATURE (°F)	LAT	LEAVING AIR TEMPERATURE (°F)	SD	SMOKE DETECTOR		
EC	ELECTRICAL CONTRACTOR	LBS	POUND	SF	SUPPLY FAN		
EER	ENERGY EFFICIENCY RATIO	LD	LINEAR DIFFUSER	SAT	SUPPLY AIR TEMPERATURE (°F)		
EF	EXHAUST FAN	LEC	LABORATORY EQUIPMENT CONTRACTOR	SCC	STEAM CONDENSATE COOLER		
EFF	EFFICIENCY	LFC	LABORATORY FURNISHINGS CONTRACTOR	SEER	SEASONAL ENERGY EFFICIENCY RATIO		
EG	EXHAUST GRILLE	LFD	LAMINAR FLOW DIFFUSER	SF	SQUARE FOOT		
ELEC	ELECTRIC	LPS	LOW PRESSURE STEAM	SG	SUPPLY GRILLE		
ELEV	ELEVATION	LPC	LOW PRESSURE CONDENSATE	SHR	SENSIBLE HEAT RATIO		
ENCL	ENCLOSURE	LS	LEVEL SWITCH	SHT	SHEET		
EOM	END OF MAIN DRIP	LSH	LEVEL SWITCH HIGH	SPEC	SPECIFICATIONS		
EQUIP	EQUIPMENT	LSL	LEVEL SWITCH LOW	SRV	SAFETY RELIEF VALVE		
ESP	EXTERNAL STATIC PRESSURE (IN WG)	LT	LEVEL TRANSMITTER	SS	STAINLESS STEEL		
ET	EXPANSION TANK	LWT	LEAVING WATER TEMPERATURE (°F)	STD	STANDARD		
EUH	ELECTRIC UNIT HEATER	MA	MIXED AIR	STRUCT	STRUCTURE(E), (AL)		
EVAP	EVAPORAT(E), (ING), (ED), (OR)	MAT	MIXED AIR TEMPERATURE (°F)	SUCT	SUCTION		
EWT	ENTERING WATER TEMPERATURE (°F)	MBH	THOUSANDS OF BTU PER HOUR	SV	STEAM VENT / SOLENOID VALVE		
EXP	EXPANSION	MC	MECHANICAL CONTRACTOR / MOTOR CONTROL	TA	TRANSFER AIR		
EX.	EXISTING	MCC	MOTOR CONTROL CENTER	TB	TERMINAL BOX		
°F	DEGREES FAHRENHEIT	MD	MOTORIZED DAMPER	TC	TEMPERATURE CONTROL		
F&B	FACE AND BY-PASS	MISC	MISCELLANEOUS	TCC	TEMPERATURE CONTROL CONTRACTOR		
F&T	FLOAT & THERMOSTATIC STEAM TRAP	MPS	MEDIUM PRESSURE STEAM	TCD	TEMPERATURE CONTROL DAMPER		
FCD	FAN COIL DAMPER	MPC	MEDIUM PRESSURE CONDENSATE	TCV	TEMPERATURE CONTROL VALVE		

GENERAL VALVES & FITTINGS



GENERAL MECHANICAL NOTES

1. THESE GENERAL NOTES APPLY TO M-SERIES DRAWINGS. ADDITIONAL GENERAL NOTES SPECIFIC TO A PARTICULAR DRAWING ARE NOTED ON THOSE SHEETS.
2. IT IS THE INTENT OF THESE DOCUMENTS TO PROVIDE MECHANICAL SYSTEMS THAT ARE FULLY FUNCTIONAL. PROVIDE ALL ITEMS SPECIFIED AND REQUIRED FOR COMPLETE OPERATIONAL SYSTEMS.
3. THESE DRAWINGS INDICATE REQUIRED SIZE AND POINTS OF TERMINATION FOR PIPING, DUCTWORK, CONDUIT, ETC. THE EQUIPMENT SHOWN ILLUSTRATES SUGGESTED ROUTING, BUT ALL NECESSARY OFFSETS MAY NOT BE SHOWN. DIVISION 23 SHALL INSTALL HIS WORK IN A MANNER THAT WILL CONFORM WITH THE STRUCTURE. DIVISION 23 SHALL AVOID OBSTRUCTIONS, PRESERVE HEADROOM AND MAINTAIN MAXIMUM CLEARANCE WITHOUT FURTHER INSTRUCTION FROM THE ARCHITECT/ENGINEER OR ADDITIONAL COST TO THE OWNER.
4. CONCEAL ALL DUCTWORK, PIPING, AND VALVES ABOVE CEILING AND WITHIN WALLS IN FINISHED AREAS UNLESS OTHERWISE INDICATED.
5. INSTALL ALL VALVES, ETC. ALLOW EASY ACCESS BETWEEN LIGHT FIXTURES AND NO HIGHER THAN 12" TO 24" ABOVE THE CEILING. PROVIDE FITTINGS IN DUCTWORK AND PIPING AS REQUIRED SO THAT NO PIPING REMAINS TIGHT TO ROOF STRUCTURE. PROVIDE ACCESS PANELS AS REQUIRED. AREA ADJACENT TO THE ACCESS PANELS SHALL BE CLEAR OF ANY OBSTRUCTIONS. PROVIDE EXTENDED VALVE HANDLES FOR INSULATED PIPING.
6. COORDINATE EXACT LOCATION OF ALL GRILLES, REGISTERS AND DIFFUSERS IN CEILINGS WITH THE CEILING SYSTEM AND LIGHT FIXTURES.
7. ARROWS ON THE HOT WATER AND CHILLED WATER MAINS INDICATE THE DIRECTION OF FLOW. PITCH MAINS UPWARD A MINIMUM OF 1" PER 60' IN THE DIRECTION OF FLOW. ARROWS ON STEAM AND CONDENSATE PIPING AND DRAIN LINE INDICATE THE DOWNWARD PITCH OF THE PIPING.
8. INSTALL AIR VENTS AT ALL HIGH POINTS AND DRAINS AT ALL LOW POINTS OF WATER PIPING SYSTEMS. DRAINS TO HAVE HOSE END THREADS WITH CLEARANCE TO ATTACH HOSE.
9. ALL PIPING BRANCHES TO EQUIPMENT SHALL HAVE SAME SIZE VALVES AND FITTINGS AS THAT OF THE LINE SIZE WITH THE EXCEPTION OF THE TEMPERATURE CONTROL VALVES.
10. PIPE "SWING" CONNECTIONS WITH UNIONS OR FLANGES SHALL BE MADE EXTERNAL TO COILS OR A TUBE BUNDLE TO FACILITATE REMOVAL OF THAT ITEM WITHOUT DISTURBING THE BRANCH VALVES AND/OR PIPING.
11. DUCT AND PIPING PENETRATING FLOOR SLABS AND/OR WALLS SHALL BE SEALED WITH ACOUSTIC SEALANT. IF THE FLOOR OR WALL IS FIRE RATED PROVIDE THE FIRE STOPPING OR FIRE DAMPER TO MAINTAIN THE FIRE RATING.
12. ALL RECTANGULAR SHEET METAL DUCT SIZES ARE INSIDE DIMENSIONS. ALL ROUND DUCT SIZES SHOWN ARE INSIDE DIAMETERS. ALLOWANCE FOR ACOUSTICAL LINER WHERE INDICATED ON DRAWINGS MUST BE ADDED TO OBTAIN OUTSIDE SHEET METAL DIMENSION.
13. ALL WALL THERMOSTATS, TEMPERATURE SENSORS, AND/OR HUMIDISTATS SHALL BE APPROXIMATELY 48" ABOVE FINISHED FLOOR TO CENTER AND LINED UP HORIZONTALLY WITH LIGHT SWITCHES UNLESS OTHERWISE NOTED OR DIRECTED BY THE ARCHITECT/ENGINEER.
14. CONTRACTOR IS RESPONSIBLE FOR HIS RESPECTIVE WORK FOR REPAIRING AND PATCHING TO MATCH EXISTING SURFACES, SIDEWALKS, STREETS, FLOORS, WALLS, ROOFS, CEILING AND PAVEMENT. CONTRACTOR SHALL INCLUDE IN BID PROPOSAL ALL COSTS FOR CUTTING AND PATCHING REQUIRED TO INSTALL NEW OR REMOVE EXISTING WORK, EQUIPMENT, OR SYSTEMS.
15. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL OF HIS WORK TO BE INSTALLED WITH ANY AND ALL OTHER CONTRACTORS TO BE AFFECTED BY SUCH WORK, PRIOR TO ORDERING ANY OF THE EQUIPMENT. THIS SHALL INCLUDE BUT NOT LIMITED TO ELECTRICAL CHARACTERISTICS, CONNECTIONS REQUIRED, PHYSICAL SIZE, COLOR AND FIT. ALSO REFER TO SPECIFICATIONS AND ALL PAINTING TO MATCH ARCHITECTURAL FINISHES.
16. COORDINATE INSTALLATION OF NEW WORK WITH ALL OTHER TRADES AND EXISTING CONDITIONS AS REQUIRED FOR A COMPLETE AND OPERABLE HVAC SYSTEM. RELOCATE PIPING, ELECTRIC CONDUIT, STRUCTURAL BRACING, ETC., AS REQUIRED FOR A COMPLETE INSTALLATION OF HVAC WORK. COORDINATE ROUTING OF NEW DUCTWORK ABOVE CEILINGS WITH EXISTING ELECTRIC CABLE TRAY. M.C. TO COORDINATE ALL DUCTWORK ROUTING AND DUCTWORK ELEVATIONS WITH STRUCTURAL STEEL SUPPORTS FOR FOLDING WALLS. REFERENCE STRUCTURAL DRAWINGS FOR SIZE AND LOCATIONS OF STEEL. FIELD VERIFY ALL EXISTING CONDITIONS.
17. CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL TERMINAL BOXES AND DUCTWORK WITH THE CEILING SYSTEM AND LIGHT FIXTURES. FIELD VERIFY EXISTING CEILING SYSTEMS AND LOCATION OF EXISTING LIGHT FIXTURES. ALLOW REQUIRED CLEARANCES FOR SERVICE TO BOX AND CONTROLS.
18. CONTRACTOR SHALL RELOCATE EXISTING LIGHT FIXTURE AND CEILING GRID SUPPORT HANGERS AS REQUIRED FOR INSTALLATION OF NEW VAV REHEAT BOXES, DUCTWORK AND PIPING.
19. PROVIDE VOLUME DAMPERS IN ALL SUPPLY, RETURN, AND EXHAUST BRANCH DUCTWORK AS REQUIRED TO BALANCE EACH SYSTEM. ALL VOLUME DAMPERS LOCATED ABOVE DRYWALL CEILINGS SHALL BE CABLE OPERATED WITH REMOTE REGULATOR LIKE YOUNG REGULATOR. FIELD VERIFY EXISTING CEILINGS FOR DRYWALL CEILINGS. COORDINATE LOCATION OF ALL DAMPERS WITH AIR BALANCE CONTRACTOR. IN HARD CEILINGS PROVIDE VOLUME DAMPER BEHIND THE GRILLE, REGISTER, OR DIFFUSER.
20. CONTRACTOR SHALL REVIEW RETURN AIR PATH BACK TO ALL HVAC EQUIPMENT. PROVIDE RETURN AIR OPENINGS AND/OR JUMPER DUCTS IN WALLS ABOVE THE CEILING WHERE REQUIRED. COORDINATE WITH GENERAL TRADES. VELOCITY THRU R.A. OPENINGS SHALL NOT EXCEED 500 FPM. FIELD VERIFY LOCATION OF EXISTING WALLS EXTENDING TO DECK.
21. ALL TRANSFER AIR DUCTS TO BE INTERNALLY INSULATED TO DETER NOISE TRANSFER. SIZE SHOWN ON PLANS INDICATES ACTUAL FREE AREA.
22. COORDINATE ALL OPENINGS THROUGH EXISTING WALL CONSTRUCTION WITH GENERAL TRADES. SEAL AROUND DUCTWORK AND PIPING TO HELP REDUCE THE TRANSFER OF NOISE BETWEEN CLASSROOMS. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING OF BID.
23. ALL NEW ROOF WORK TO BE IN ACCORDANCE WITH OWNER'S EXISTING ROOF WARRANTY.
24. ALL ROOF PENETRATIONS TO BE SEALED WATER TIGHT. PACK VOID BETWEEN DUCT PENETRATING ROOF AND STRUCTURE WITH FIBERGLASS INSULATION AND CAULK WATER TIGHT. FOR HIGH TEMPERATURE OR GREASE DUCTS UTILIZE MINERAL WOOL.
25. REMOVE ALL WORK MADE OBSOLETE BY NEW CONSTRUCTION.
26. DEMOLITION OF EXISTING MECHANICAL EQUIPMENT TO INCLUDE ASSOCIATED PIPING AND DUCTWORK NECESSARY FOR NEW EQUIPMENT INSTALLATION.
27. ALL EXHAUST FANS, RELIEF VENTS, FLUES, AND PLUMBING VENTS TO BE INSTALLED A MINIMUM OF 10 FT. FROM OUTDOOR AIR INTAKES.
28. CONTRACTOR SHALL CLEAN ALL OF HIS WORK. AIR DISTRIBUTION SYSTEMS SHALL HAVE ALL DIRT AND FOREIGN MATERIAL REMOVED FROM INSIDE AND OUTSIDE OF DUCTS, PLENUMS, HOUSINGS, DEVICES, TERMINALS, ETC. PROTECT OPEN ENDS OF DUCTWORK AND INLETS AND OUTLETS OF EQUIPMENT AND DEVICES DURING CONSTRUCTION. CLEAN ALL ACCESSIBLE PARTS OF DUCTWORK AND AIR PASSAGES IN EQUIPMENT BEFORE FILTERS ARE INSTALLED OR REPLACED FOR SYSTEM BALANCING.
29. FURNISH AND INSTALL ACCEPTABLE CONCRETE INSERTS, ANCHORS, CLAMPS, BRACKETS, HANGERS, STRUCTURAL MEMBERS (ANGLES, CHANNELS, ETC.) AND FRAMES, ETC., REQUIRED FOR SUPPORTING ALL RESPECTIVE WORK. SUPPORTING DEVICES, ASSEMBLIES AND ATTACHMENTS SHALL BE DESIGNED AND ARRANGED TO CARRY THE WEIGHT OF THE SUPPORTED ITEMS INCLUDING HANGER AND CONTENTS WITHOUT TRANSMITTING VIBRATION OR NOISE TO THE BUILDING CONSTRUCTION; DESIGNED, APPROPRIATE AND APPROVED FOR THE PURPOSE USED; HAVE A NEAT AND FINISHED APPEARANCE AND COMPLEMENT THE INSTALLATION; HAVE CORROSION PROTECTION SUITABLE FOR THE ATMOSPHERE WHERE INSTALLED; ADEQUATELY AND SAFELY ATTACHED TO THE BUILDING STRUCTURE OR STRUCTURAL MEMBERS. EXPOSED SUPPORTS SHALL BE PAINTED UNLESS OF NON-FERROUS MATERIAL OR PROVIDED WITH PLATED (RUSTPROOF) FINISH.
30. PROVIDE NEC CLEARANCES AND SERVICE CLEARANCES FOR EQUIPMENT. COORDINATE EQUIPMENT SERVICE ACCESS. CLEARANCES INDICATED ARE BASED UPON BEST AVAILABLE INFORMATION. CONTRACTOR SHALL VERIFY PIPING, DUCTWORK, ETC., ROUTING PRIOR TO SUBMITTING A BID PROPOSAL AND INCLUDE ANY SUCH COSTS AS REQUIRED TO INSTALL WORK AS SHOWN AND INTENDED.
31. ELEVATOR EQUIPMENT ROOMS: DO NOT ROUTE ANY SYSTEMS THROUGH ELEVATOR EQUIPMENT ROOMS. FOR SYSTEMS THAT SERVE ELEVATOR EQUIPMENT ROOMS, DO NOT ROUTE OVER ELEVATOR EQUIPMENT OR ELECTRICAL COMPONENTS AND DO NOT HINDER SERVICE ACCESS.
32. TELECOMMUNICATIONS ROOMS (MDF AND IDF): DO NOT ROUTE ANY SYSTEMS THROUGH TELECOMMUNICATIONS ROOMS. FOR SYSTEMS THAT SERVE T-COMM ROOMS, DO NOT ROUTE OVER EQUIPMENT OR ELECTRICAL COMPONENTS AND DO NOT HINDER SERVICE ACCESS.
33. ELECTRICAL EQUIPMENT ROOMS: DO NOT ROUTE ANY SYSTEMS THROUGH ELECTRIC ROOMS. FOR SYSTEMS THAT SERVE ELECTRIC ROOMS, DO NOT ROUTE OVER EQUIPMENT, PANELS, TRANSFORMERS, VFD'S, OR ELECTRICAL COMPONENTS AND DO NOT HINDER SERVICE ACCESS.
34. EXISTING VALVES MADE INACCESSIBLE BY NEW DUCT AND/OR PIPING SHALL BE RELOCATED AS REQUIRED FOR ACCESS.
35. DURING REMOVAL OF ITEMS, CAUTION SHALL BE USED TO PREVENT DAMAGE TO ANY EQUIPMENT HAVING SALVAGE VALUE. ALL REUSABLE SALVAGED MATERIAL SHALL REMAIN THE PROPERTY OF THE OWNER AND BE RETAINED FOR HIS INSPECTION. ONLY ITEMS SO INSPECTED AND REJECTED BY THE OWNER SHALL BE DISPOSED OF BY THE CONTRACTOR. ALL OTHER ITEMS SHALL BE TURNED OVER AND DEPOSITED AS DIRECTED BY THE OWNER.
36. CONTRACT DOCUMENTS CONSIST OF BOTH PROJECT MANUAL AND DRAWINGS AND BOTH ARE MEANT TO BE COMPLEMENTARY - ANYTHING APPEARING ON EITHER MUST BE EXECUTED THE SAME AS IF SHOWN ON BOTH.
37. VERIFY EXACT SIZE AND LOCATION OF ALL EXISTING PIPING AND DUCTWORK PRIOR TO CONSTRUCTION OR BIDDING.

Linton-Stockton Addition and Renovation

10 H St NE
Linton, IN 47441

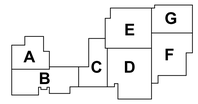
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KEY PLAN



Revisions		
Description	Date	Num

Comm: 260804037
Date: 09/25/2026
Drawn: AM
Check: JR

North

MECHANICAL SYMBOLS AND ABBREVIATIONS

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

M-001

M

GENERAL DEMOLITION NOTES

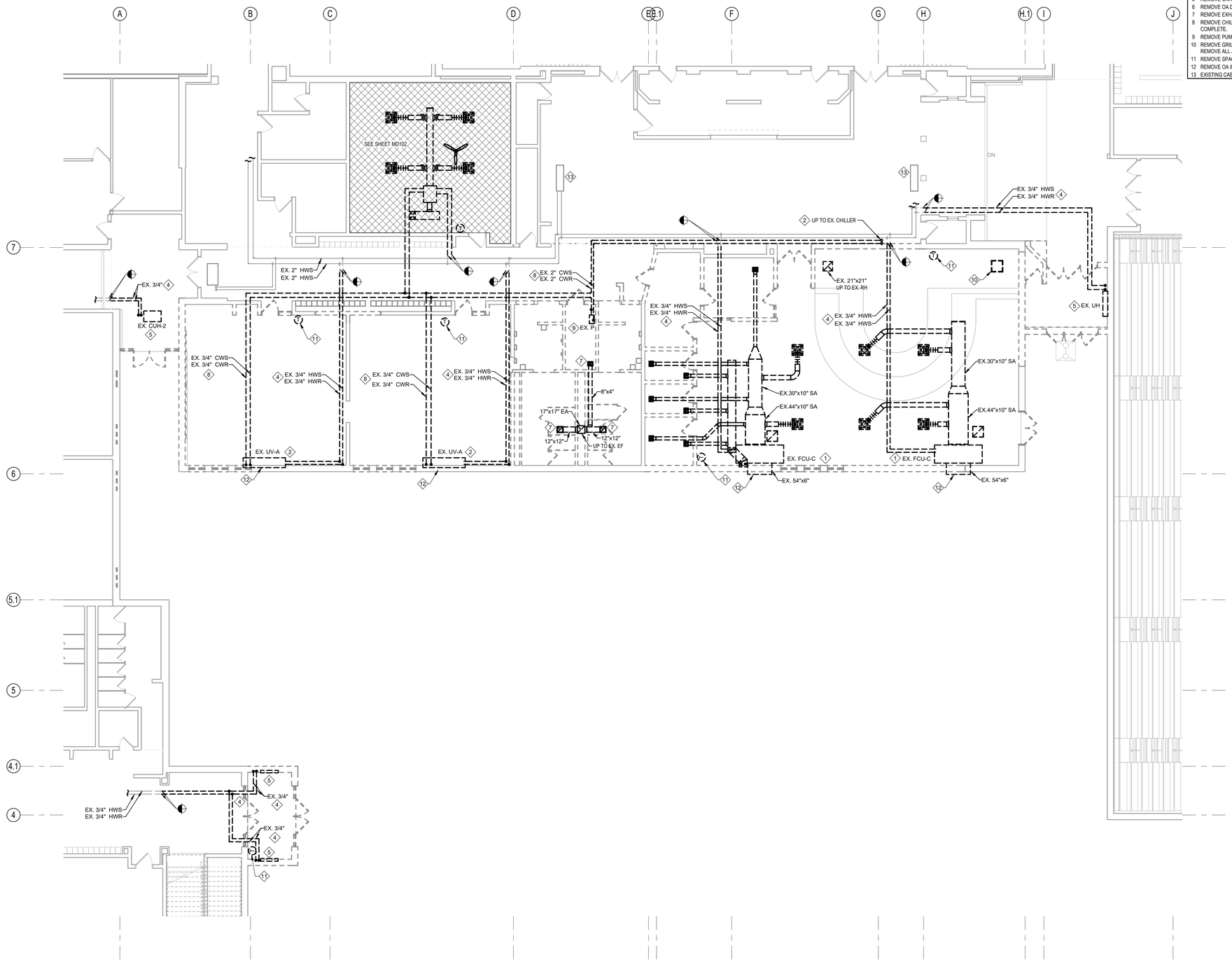
A DARK DASHED LINES INDICATE EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING, AND/OR MECHANICAL ACCESSORIES DEMOLISHED COMPLETE. CONTRACTOR TO FIELD VERIFY ACTUAL EXISTING CONDITIONS PRIOR TO BIDDING AND DEMOLITION. CONTRACTOR TO INCLUDE ALL COST TO REMOVE ITEMS MADE OBSOLETE DUE TO NEW HVAC WORK.

B LIGHT SOLID LINES INDICATE EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING, AND/OR MECHANICAL ACCESSORIES TO REMAIN AS-IS. CONTRACTOR TO FIELD VERIFY ACTUAL EXISTING CONDITIONS PRIOR TO DEMOLITION AND BIDDING.

C THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL OF ALL REMOVED EQUIPMENT INCLUDING FAN COILS. MC SHALL NOTIFY THE OWNER IN ADVANCE AND TURN ALL EQUIPMENT OVER TO THE OWNER AS DIRECTED. THE MC IS RESPONSIBLE FOR REMOVING ALL EQUIPMENT AND MATERIAL OFF SITE AND DISPOSING OF THOSE MATERIALS AND EQUIPMENT THAT THE OWNER DOES NOT WISH TO KEEP.

◇ DEMOLITION HVAC PLAN NOTES

1 REMOVE FAN COIL UNIT AND ALL ASSOCIATED HANGERS AND SUPPORTS, SUPPLY AND RETURN DUCT, SUPPLY DIFFUSERS AND RETURN GRILLES COMPLETE.
2 REMOVE UNIT VENTILATOR COMPLETE.
3 REMOVE CEILING FAN IN CLASSROOM.
4 REMOVE PIPING, AND ALL ASSOCIATED HANGERS, SUPPORTS, AND PIPING SPECIALTIES COMPLETE BACK TO MAINS. PROVIDE VALVE AND CAP AT MAINS.
5 REMOVE UNIT HEATER COMPLETE.
6 REMOVE OA DUCT COMPLETE UP TO INTAKE HOOD ON ROOF.
7 REMOVE EXHAUST DUCT UP TO FAN COMPLETE, INCLUDING ALL ASSOCIATED ACCESSORIES.
8 REMOVE CHILLED WATER PIPING, HANGERS AND SUPPORTS, AND ASSOCIATED PIPING SPECIALTIES COMPLETE.
9 REMOVE PUMP COMPLETE.
10 REMOVE GRILLE AT ELEVATED FLOOR AND CIRCULATION FAN LOCATED BELOW ELEVATED FLOORING. REMOVE ALL ASSOCIATED WORK AND ACCESSORIES.
11 REMOVE SPACE TEMPERATURE SENSOR AND ASSOCIATED CONTROL WIRING COMPLETE.
12 REMOVE OA INTAKE DUCT AND LOUVER COMPLETE.
13 EXISTING CABINET UNIT HEATER AND PIPING SHALL REMAIN. MAINTAIN EXISTING CONTROLS.



1 **MECHANICAL DEMOLITION MAIN LEVEL FLOOR PLAN - AREA D**
1/8" = 1'-0"

Linton-Stockton Addition and Renovation

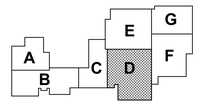
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MECHANICAL DEMOLITION MAIN LEVEL FLOOR PLAN - AREA D

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

MD101

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GENERAL DEMOLITION NOTES

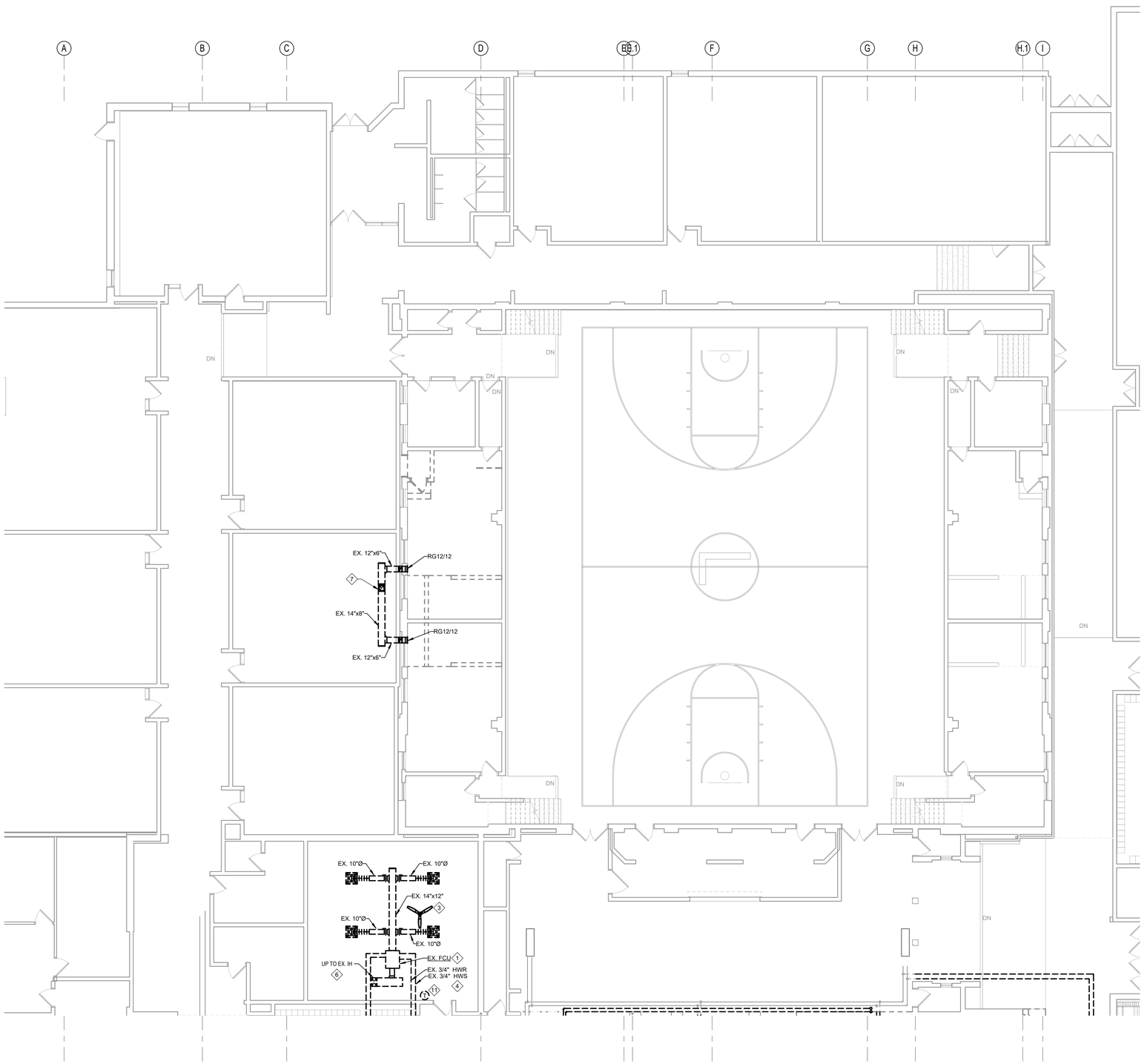
A DARK DASHED LINES INDICATE EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING, AND/OR MECHANICAL ACCESSORIES DEMOLISHED COMPLETE. CONTRACTOR TO FIELD VERIFY ACTUAL EXISTING CONDITIONS PRIOR TO BIDDING AND DEMOLITION. CONTRACTOR TO INCLUDE ALL COST TO REMOVE ITEMS MADE OBSOLETE DUE TO NEW HVAC WORK.

B LIGHT SOLID LINES INDICATE EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING, AND/OR MECHANICAL ACCESSORIES TO REMAIN AS-IS. CONTRACTOR TO FIELD VERIFY ACTUAL EXISTING CONDITIONS PRIOR TO DEMOLITION AND BIDDING.

C THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL OF ALL REMOVED EQUIPMENT INCLUDING FAN COILS. MC SHALL NOTIFY THE OWNER IN ADVANCE AND TURN ALL EQUIPMENT OVER TO THE OWNER AS DIRECTED. THE MC IS RESPONSIBLE FOR REMOVING ALL EQUIPMENT AND MATERIAL OFF SITE AND DISPOSING OF THOSE MATERIALS AND EQUIPMENT THAT THE OWNER DOES NOT WISH TO KEEP.

◇ DEMOLITION HVAC PLAN NOTES

1 REMOVE FAN COIL UNIT AND ALL ASSOCIATED HANGERS AND SUPPORTS, SUPPLY AND RETURN DUCT, SUPPLY DIFFUSERS AND RETURN GRILLES COMPLETE.
2 REMOVE UNIT VENTILATOR COMPLETE.
3 REMOVE CEILING FAN IN CLASSROOM.
4 REMOVE PIPING, AND ALL ASSOCIATED HANGERS, SUPPORTS, AND PIPING SPECIALTIES COMPLETE BACK TO MAINS. PROVIDE VALVE AND CAP AT MAINS.
5 REMOVE UNIT HEATER COMPLETE.
6 REMOVE OA DUCT COMPLETE UP TO INTAKE HOOD ON ROOF.
7 REMOVE EXHAUST DUCT UP TO FAN COMPLETE, INCLUDING ALL ASSOCIATED ACCESSORIES.
8 REMOVE CHILLED WATER PIPING, HANGERS AND SUPPORTS, AND ASSOCIATED PIPING SPECIALTIES COMPLETE.
9 REMOVE PUMP COMPLETE.
10 REMOVE GRILLE AT ELEVATED FLOOR AND CIRCULATION FAN LOCATED BELOW ELEVATED FLOORING. REMOVE ALL ASSOCIATED WORK AND ACCESSORIES.
11 REMOVE SPACE TEMPERATURE SENSOR AND ASSOCIATED CONTROL WIRING COMPLETE.
12 REMOVE OA INTAKE DUCT AND LOUVER COMPLETE.
13 EXISTING CABINET UNIT HEATER AND PIPING SHALL REMAIN. MAINTAIN EXISTING CONTROLS.



1 **MECHANICAL DEMOLITION MAIN LEVEL FLOOR PLAN - AREA E**
1/8" = 1'-0"

Linton-Stockton Addition and Renovation

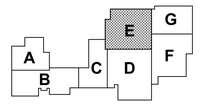
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MECHANICAL DEMOLITION MAIN LEVEL FLOOR PLAN - AREA E

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

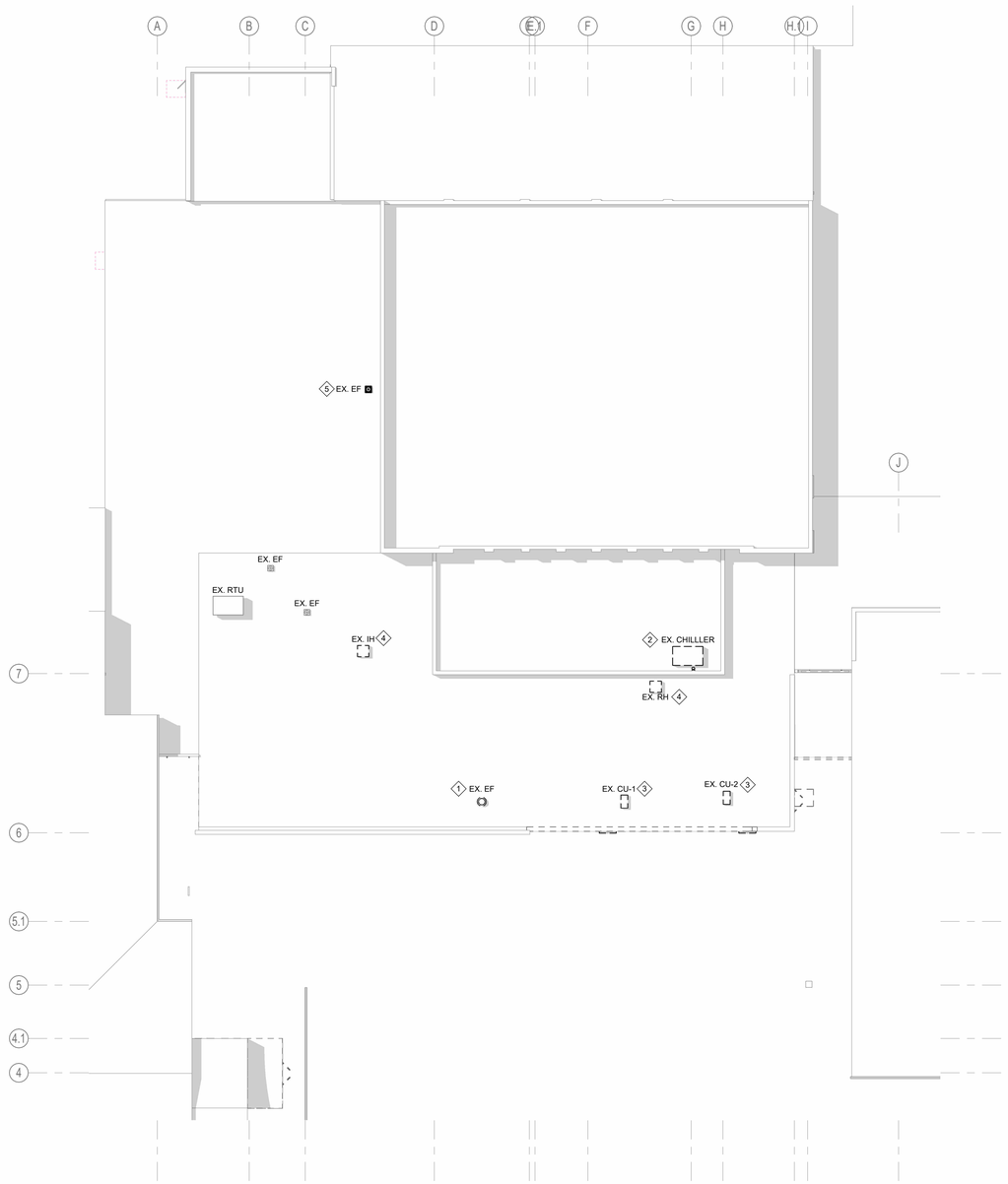
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DEMOLITION ROOF PLAN NOTES

1. REMOVE EXHAUST FAN COMPLETE, INCLUDING ALL ASSOCIATED ACCESSORIES. CAP CURB. REFER TO DETAIL 9/M-501.
2. REMOVE CHILLER COMPLETE, INCLUDING ALL ASSOCIATED PIPING, VALVES, INSULATION, CONTROLS, AND ACCESSORIES. CAP PIPE CURB AND ELECTRICAL CURB. REFER TO DETAIL 9/M-501.
3. REMOVE CONDENSING UNIT AND ALL ASSOCIATED REFRIGERANT PIPING COMPLETE. CAP PIPE CURB. RAILS TO REMAIN. REFER TO DETAIL 9/M-501.
4. REMOVE HOOD AND CAP. REFER TO DETAIL 9/M-501.
5. REMOVE EXHAUST FAN AND CURB COMPLETE. MODIFY EXISTING ROOF OPENING AS REQUIRED TO ACCOMMODATE NEW CURB AND UNIT.



1 **MECHANICAL DEMOLITION ROOF PLAN - UNITS D AND E**
1/16" = 1'-0"

Linton-Stockton Addition and Renovation

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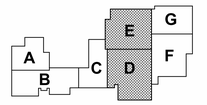
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MECHANICAL DEMOLITION ROOF PLAN - UNITS D AND E

Scale: 1/16" = 1'-0"

MD103

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GENERAL MECHANICAL NOTES

A DARK LINES INDICATE NEW WORK.
B LIGHT SOLID LINES INDICATE EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING, AND/OR MECHANICAL ACCESSORIES TO REMAIN AS-IS. CONTRACTOR TO FIELD VERIFY ACTUAL EXISTING CONDITIONS PRIOR TO BIDDING.

MECHANICAL HVAC PLAN NOTES

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3 ROUTE 4" DRYER VENT UP TO EXTERIOR WALL AND TERMINATE AT WALL-MOUNTED DRYER VENT CAP. SEE DETAIL 4/M-501.
4 KEEP 10" SA DUCT TIGHT TO BEAM TO MINIMIZE ARCHITECTURAL BULKHEAD.
5 ROUTE FABRIC DUCT THROUGH STRUCTURAL WEBBING AS SHOWN. COORDINATE WITH STRUCTURAL FRAMING PRIOR TO INSTALLATION.
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7 INTERNALLY LINE ALL EXPOSED RETURN DUCTWORK IN GYMNASIUM.
8 PROVIDE DOUBLE WALL GALVANIZED STEEL DUCT WITH PAINT GRIP FINISH. PAINT DUCT. FINAL COLOR BY ARCHITECT.
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12 GALVANIZED PAINT GRIP RECTANGULAR SUPPLY DUCT. 1" INTERNALLY LINED
13 INTERNALLY LINE ALL RETURN DUCT BACK TO RTU.

1 MECHANICAL HVAC MAIN LEVEL FLOOR PLAN - AREA D
1/8" = 1'-0"

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MECHANICAL HVAC MAIN LEVEL FLOOR PLAN - AREA D

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

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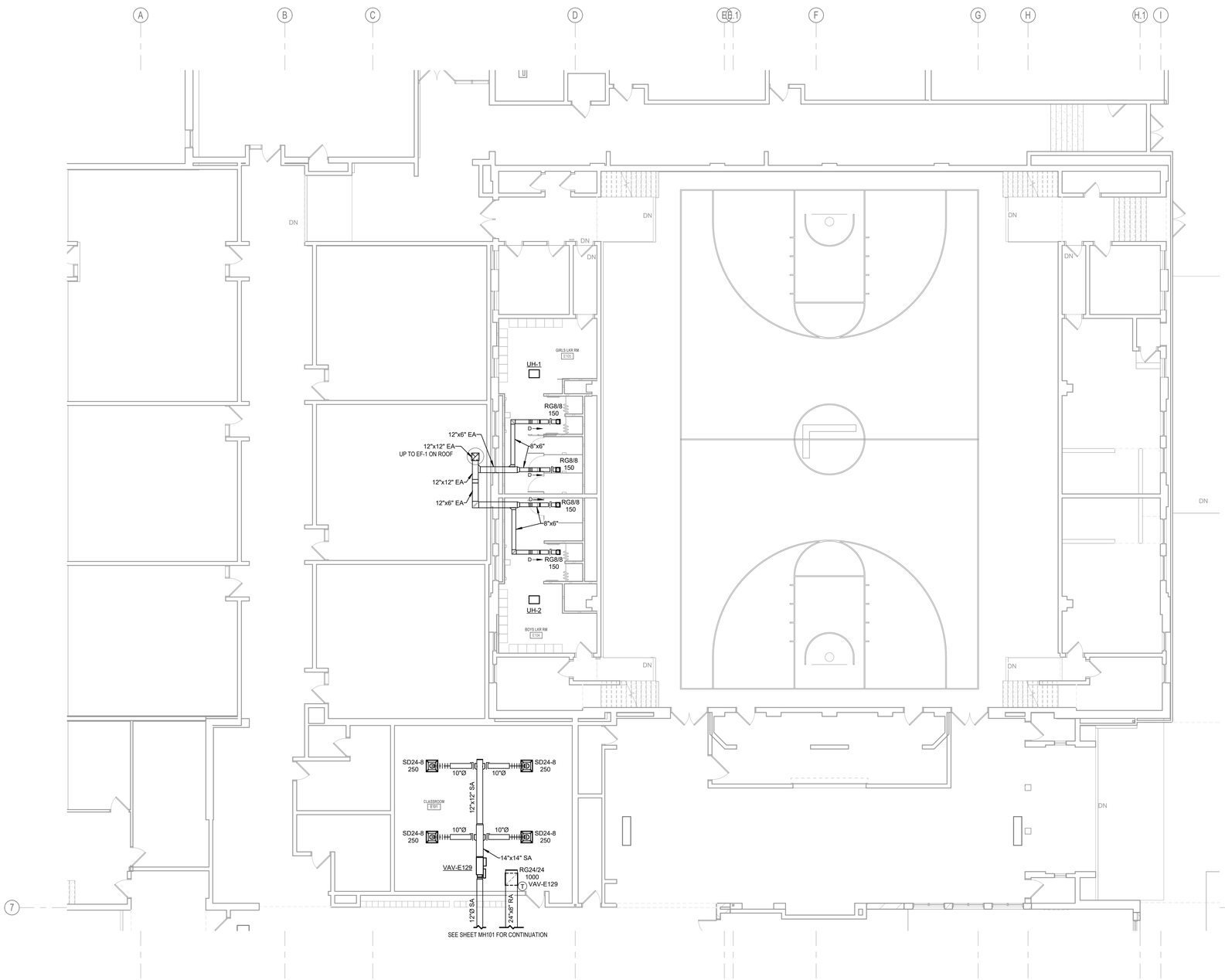
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GENERAL MECHANICAL NOTES

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13 INTERNALLY LINE ALL RETURN DUCT BACK TO RTU.



1 MECHANICAL HVAC MAIN LEVEL FLOOR PLAN - AREA E
1/8" = 1'-0"

Linton-Stockton Addition and Renovation

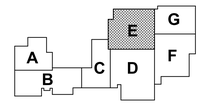
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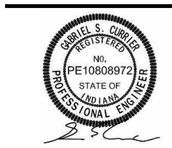
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MECHANICAL HVAC MAIN LEVEL FLOOR PLAN - AREA E

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

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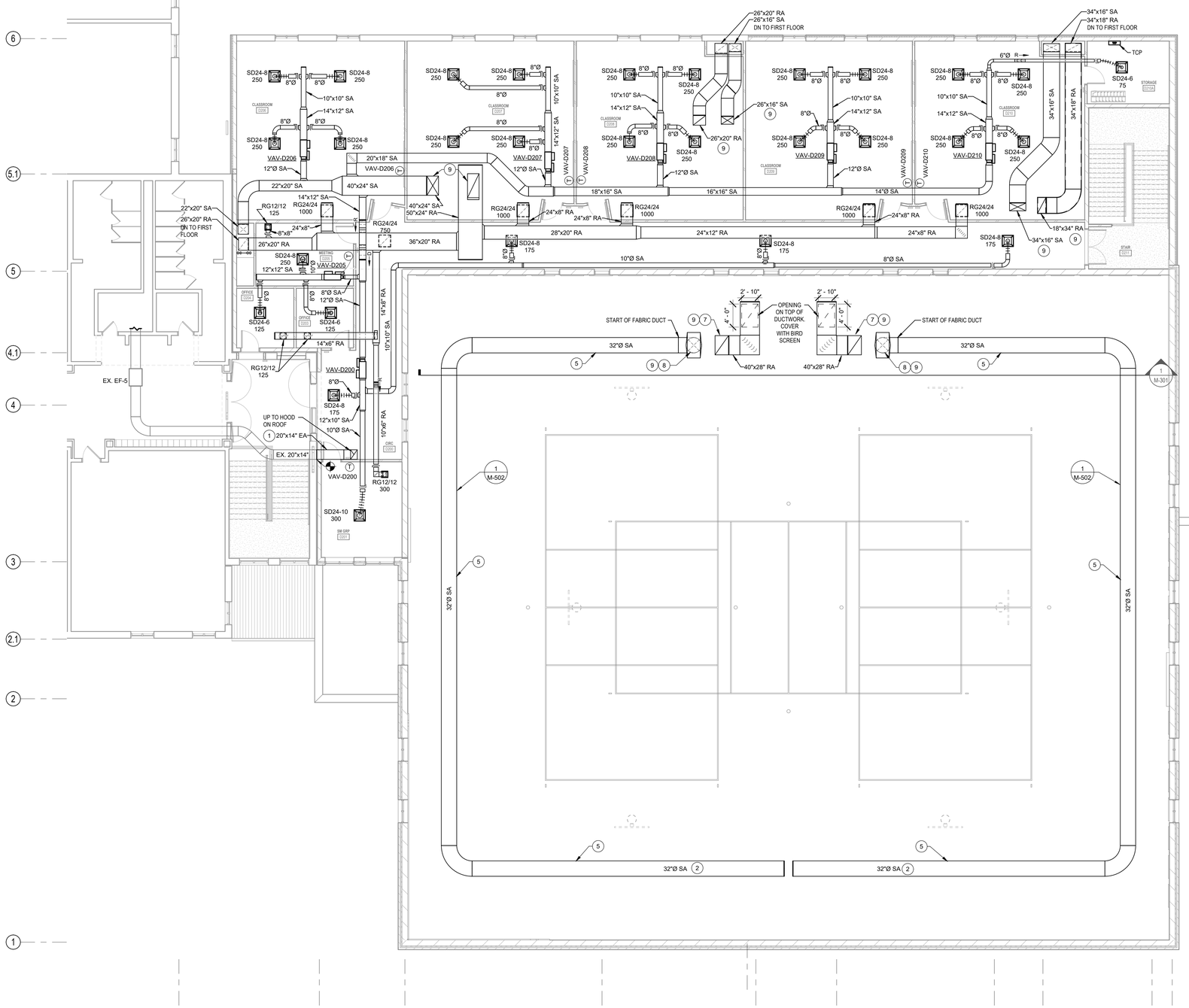
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GENERAL MECHANICAL NOTES

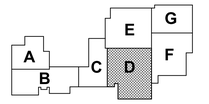
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1 MECHANICAL HVAC UPPER LEVEL FLOOR PLAN - AREA D
1/8" = 1'-0"



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

MH103

Linton-Stockton Addition and Renovation

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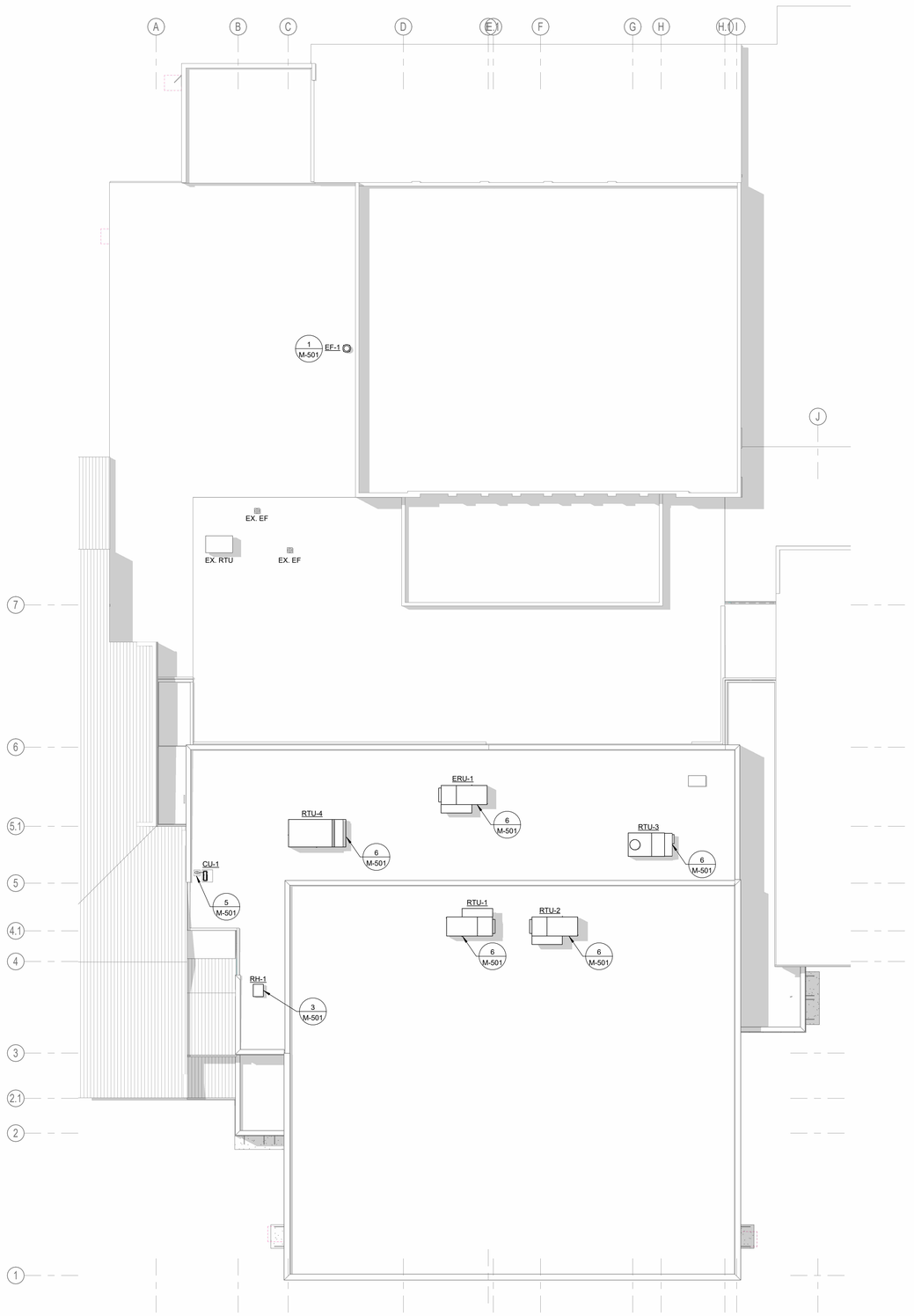
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1 **MECHANICAL ROOF PLAN - UNITS D AND E**
1/16" = 1'-0"

Linton-Stockton Addition and Renovation

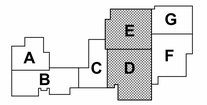
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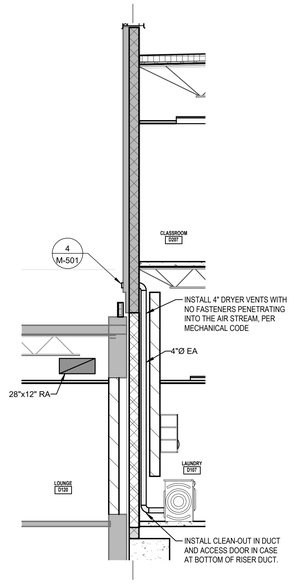
MECHANICAL ROOF PLAN - UNITS D AND E

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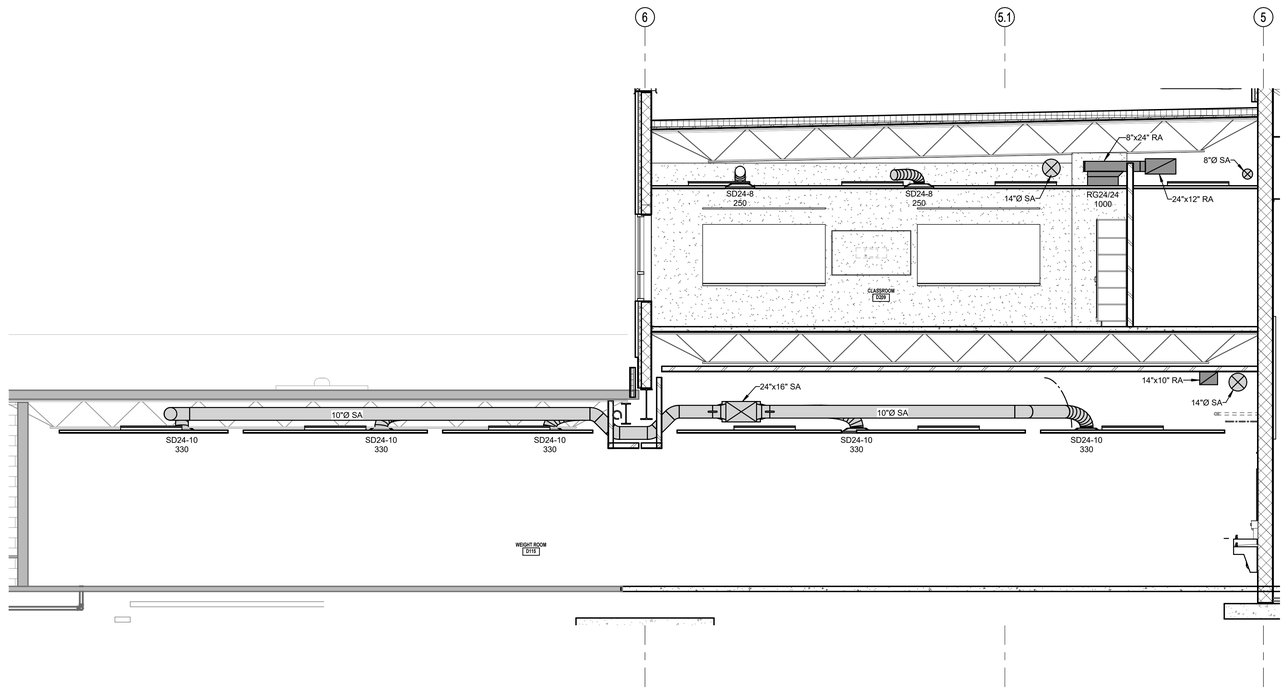
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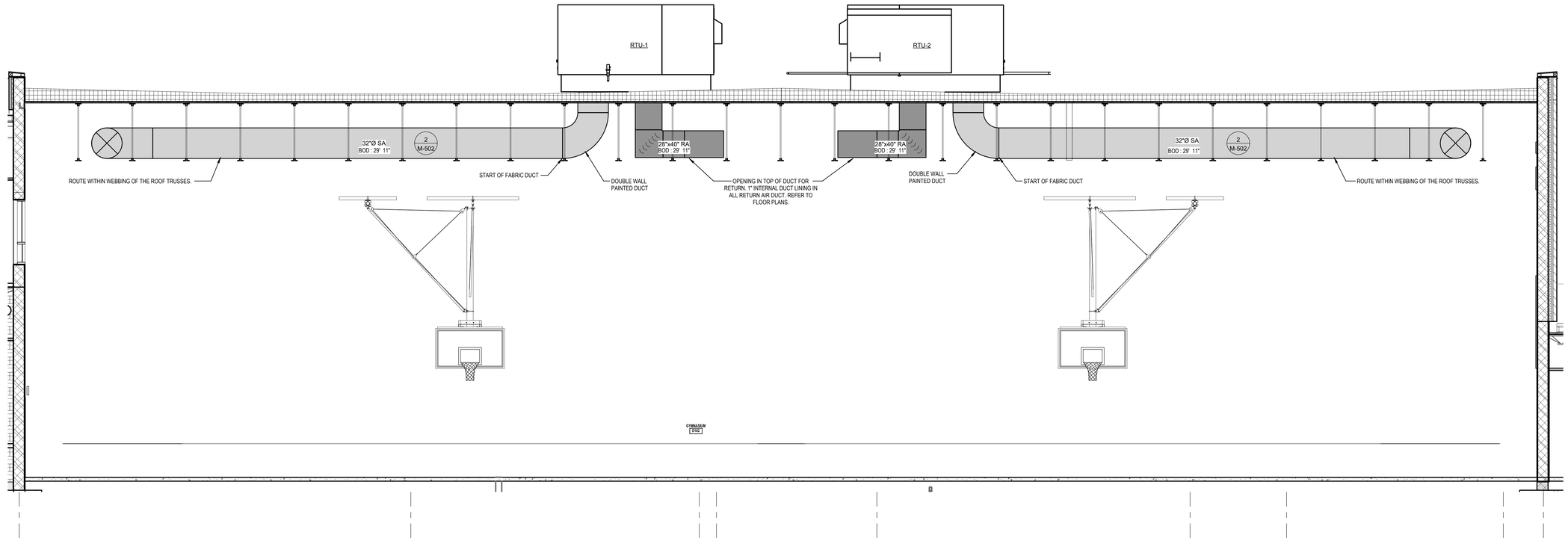
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3 DRYER VENT SECTION
1/4" = 1'-0"



2 WEIGHT ROOM SECTION
1/4" = 1'-0"



1 GYMNASIUM DUCTWORK SECTION
1/4" = 1'-0"

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Linton-Stockton Addition and Renovation

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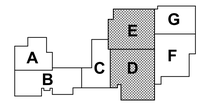
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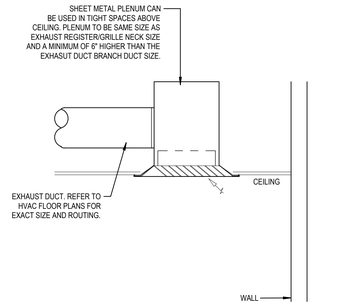
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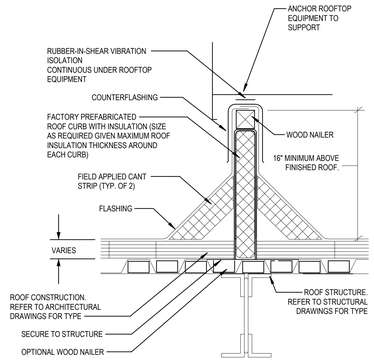
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M-301

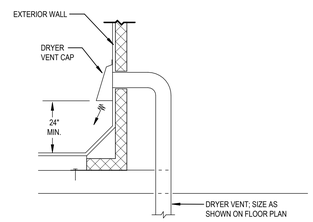


10 EXHAUST REGISTER/GRILLE INSTALLATION DETAIL
NOT TO SCALE

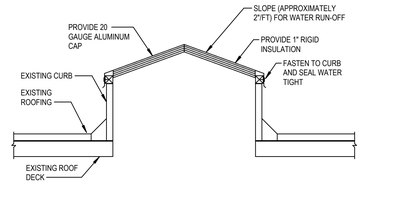


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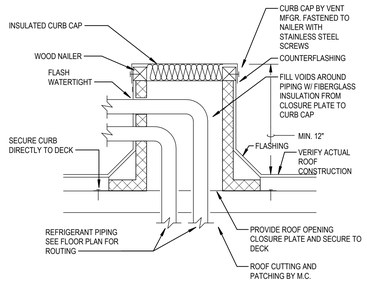
1. EQUIPMENT SUPPORTS SHALL BE PROVIDED WITH PROPERLY DESIGNED FABRICATED LEVELING DEVICES SO EQUIPMENT IS LEVEL AND THE ROOF CURB IS INSTALLED TO MATCH ROOF SLOPE.
2. PROVIDE PERIMETER ANGLE SUPPORT AT ALL SIDES BETWEEN STRUCTURAL STEEL SIZE OF ANGLE BASED ON LOAD OF EQUIPMENT. MINIMUM SIZE SHALL BE 3" X 3" X1/4".
3. ROOF CURBS SHALL NOT BE SUPPORTED FROM THE ROOF INSULATION.
4. COORDINATE LOCATION OF ROOF CURB AND ROOF OPENING WITH STRUCTURE.
5. ROOFING INSULATION SHALL BE CONTINUOUS UNDER THE ROOFTOP EQUIPMENT.



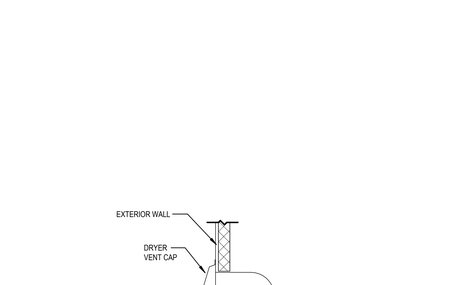
4 DRYER VENT DETAIL
NOT TO SCALE



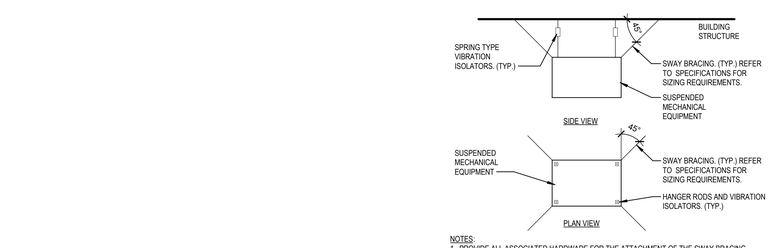
9 ROOF CURB CAP DETAIL
NOT TO SCALE



6 ROOF EQUIPMENT SUPPORT DETAIL
NOT TO SCALE

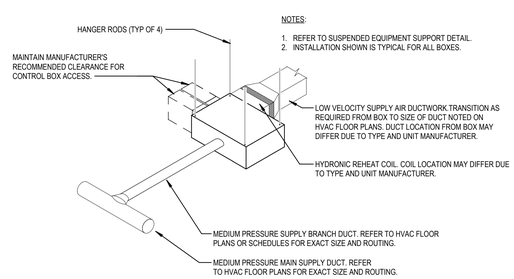


3 OUTDOOR AIR PENTHOUSE DETAIL
NOT TO SCALE



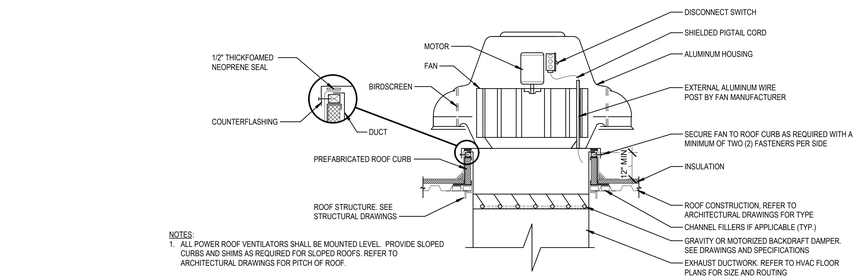
NOTES:
1. PROVIDE ALL ASSOCIATED HARDWARE FOR THE ATTACHMENT OF THE SWAY BRACING TO THE BUILDING STRUCTURE AND TO THE HANGING EQUIPMENT.
2. INSTALL SWAY BRACING TO AVOID BENDING ACROSS SHARP EDGES.
3. SWAY BRACING SHALL BE INSTALLED WITH ADEQUATE SLACK TO ALLOW VIBRATION ISOLATION TO FUNCTION PROPERLY.

8 SUSPENDED EQUIPMENT SUPPORT DETAIL
NOT TO SCALE



NOTES:
1. REFER TO SUSPENDED EQUIPMENT SUPPORT DETAIL.
2. INSTALLATION SHOWN IS TYPICAL FOR ALL BOXES.

7 VAV TERMINAL BOX INSTALLATION DETAIL
NOT TO SCALE



NOTES:
1. ALL POWER ROOF VENTILATORS SHALL BE MOUNTED LEVEL. PROVIDE SLOPED CURBS AND SHIMS AS REQUIRED FOR SLOPED ROOFS. REFER TO ARCHITECTURAL DRAWINGS FOR PITCH OF ROOF.

5 ROOFTOP PIPING INSTALLATION
NOT TO SCALE

2 SUPPLY DIFFUSER FLEXIBLE DUCT CONNECTION DETAIL
NOT TO SCALE

NOTES:
1. MINIMUM FOR AIR INTAKE IS 3' - 0"
2. MINIMUM FOR AIR RELIEF IS 1' - 0"

1 POWER ROOF VENTILATOR INSTALLATION DETAIL
NOT TO SCALE

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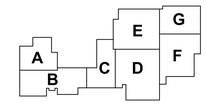
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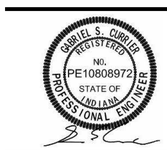
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KEY PLAN





Revisions		
Description	Date	Num

Comm: 260804037
Date: 09/25/2026
Drawn: AM
Check: JR

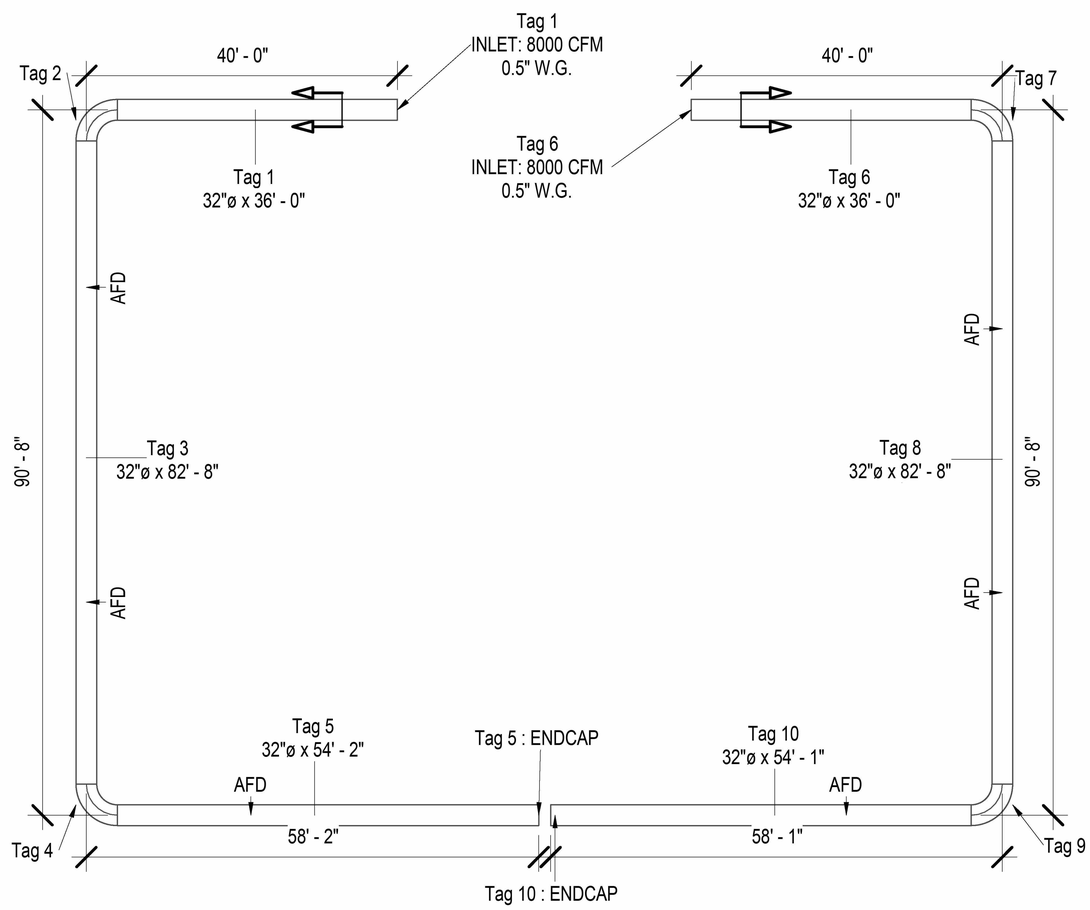
North

MECHANICAL DETAILS

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

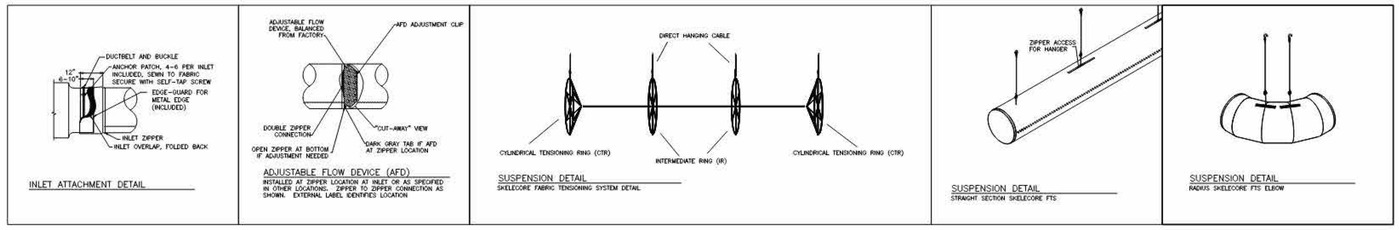
M-501

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Dispersion Information (Velocity of 150, 100, 50 FPM)

Tag #	CFM Dispersed	Dispersion Type	%	Dispersion Set 1	%	Dispersion Set 2	%	Dispersion Set 3
1	1666	Orifice	25	Size 2.125 at 5:00 - 16' 24' 39'	25	Size 2.125 at 7:00 - 16' 24' 39'	50	Size 3.25 at 8:00 - 25' 37' 60'
3	3826	Orifice	25	Size 2.125 at 5:00 - 16' 25' 40'	25	Size 2.125 at 7:00 - 16' 25' 40'	50	Size 3.25 at 8:00 - 25' 38' 61'
5	2508	Orifice	25	Size 2.125 at 5:00 - 16' 24' 39'	25	Size 2.125 at 7:00 - 16' 24' 39'	50	Size 3.25 at 8:00 - 25' 37' 60'
6	1666	Orifice	50	Size 3.25 at 4:00 - 25' 37' 60'	25	Size 2.125 at 5:00 - 16' 24' 39'	25	Size 2.125 at 7:00 - 16' 24' 39'
8	3826	Orifice	50	Size 3.25 at 4:00 - 25' 38' 61'	25	Size 2.125 at 5:00 - 16' 25' 40'	25	Size 2.125 at 7:00 - 16' 25' 40'
10	2508	Orifice	50	Size 3.25 at 4:00 - 25' 37' 60'	25	Size 2.125 at 5:00 - 16' 24' 39'	25	Size 2.125 at 7:00 - 16' 24' 39'



1 **FABRIC DUCT DETAIL**
NOT TO SCALE

Linton-Stockton Addition and Renovation

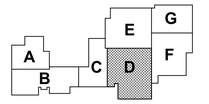
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KEY PLAN

GABRIEL S. CURRIER
REGISTERED
NO.
PE10808972
STATE OF
INDIANA
PROFESSIONAL ENGINEER

Revisions		
Description	Date	Num

Comm: 260804037
Date: 09/25/2026
Drawn: AM
Check: JR
North

MECHANICAL DETAILS

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

M-502

M

ROOFTOP AIR HANDLING UNIT SCHEDULE

IDENTITY DATA						MAX. UNIT SIZE			SUPPLY FAN						RETURN FAN						RETURN FAN SOUND POWER (OUTLET)							
													MOTOR					MOTOR			OCTAVE BAND							
MARK	MANUFACTURER	MODEL	LOCATION	SERVICE	MAX. WEIGHT (LBS)	L	W	H	AIRFLOW (CFM)	MIN. OA (CFM)	ESP (IN-WG)	RPM	QTY	HP EA.	BHP EA.	AIRFLOW (CFM)	ESP (IN-WG)	RPM	QTY	HP EA.	BHP EA.	1	2	3	4	5	6	7	8
RTU-1	VALENT	VX-212-30I-O-G3	ROOF	GYM	4,550	163"	68"	76"	8,000	2,500	1.5	1,750	2	5.0	3.3	8,000	0.5	1,615	1	5.0	-	91.9	78.3	65.4	59.3	52.1	52.1	47.3	51
RTU-2	VALENT	VX-212-30I-O-G3	ROOF	GYM	4,550	163"	68"	76"	8,000	2,500	1.5	1,750	2	5.0	3.3	8,000	0.5	1,615	1	5.0	-	91.9	78.3	65.4	59.3	52.1	52.1	47.3	51
RTU-3	VALENT	VR-400-20J-M-G0	ROOF	WEIGHT ROOM	3,200	204"	96"	101"	5,000	2,000	1.5	1,595	2	2.0	1.6	5,000	0.5	1,444	1	3.0	1.1								
RTU-4	VALENT	VX-312-40J-O-G3	ROOF	CLASSROOMS	7,325	278"	98"	108"	12,500	4,000	2.5	1,876	2	3.5	3.3	12,500	1.5	1,313	2	2.0	1.9	76.7	77.3	61.4	54.7	52.5	52.1	51.3	44.4

ROOFTOP AIR HANDLING UNIT SCHEDULE (CONTINUED)

	GAS HEATING DATA				DX COOLING DATA										COMPRESSOR		HOT GAS REHEAT		FILTER	ELECTRICAL DATA			
MARK	INPUT (BTUH)	OUTPUT (BTUH)	STAGES	EAT / LAT (°F)	NOM. TONS	TOTAL (BTUH)	SENSIBLE (BTUH)	EAT (°F) DB / WB	LAT (°F) DB / WB	EER	REFRIG.	ROWS	FPI	FACE AREA (SQFT)	APD (IN-WG)	QTY	STAGES	LOAD (BTUH)	EAT / LAT (°F)	MERV	VOLTS / PH / HZ	MCA (A)	MOCP (A)	NOTES
RTU-1	600,000	486,000	MOD	37.5 / 93.7	30	341,700	224,700	82.1 / 68.5	54.5 / 54.4	9.9	R-454B	6	14	22.6	0.6	2	-	271,900	- / 87.1	8	480 / 3 / 60	82.9	100	1-3
RTU-2	600,000	486,000	MOD	37.5 / 93.7	30	341,700	224,700	82.1 / 68.5	54.5 / 54.4	9.9	R-454B	6	14	22.6	0.6	2	-	271,900	- / 87.1	8	480 / 3 / 60	82.9	100	1-3
RTU-3	400,000	324,000	MOD	36.8 / 96.7	20	246,000	151,000	81.8 / 68.6	52.1 / 52	11.2	R-454B	4	14	28.1	0.3	2	-	166,100	- / 84.1	8	480 / 3 / 60	52.5	60	1-3
RTU-4	600,000	48,600	MOD	43 / 79	40	489,100	329,700	80.4 / 67.5	54.5 / 54.5	9.9	R-454B	6	12	33.8	0.6	3	-			8	480 / 3 / 60	116.1	125	1-3

ROOFTOP AIR HANDLING UNIT SCHEDULE NOTES:

1. OVERLOAD PROTECTED DISCONNECT BY MANUFACTURER. SINGLE POINT POWER. HIGH-FAULT 65 KA SCCR.
2. AMBIENT TEMPERATURES ARE SUMMER: 92F DB, 78 F WB AND WINTER: -10 F DB.
3. PROVIDE UNPOWERED, 20A, GFCI CONVENIENCE RECEPTACLE. POWER CIRCUIT FROM SOURCE BY DIV 26.

ENERGY RECOVERY RTU SCHEDULE

IDENTITY DATA						SUPPLY FAN DATA					EXHAUST FAN DATA				ENERGY RECOVERY WHEEL DATA						ELECTRICAL DATA			
															SUMMER			WINTER						
MARK	MANUFACTURER	MODEL	LOCATION	HX TYPE	WEIGHT (LBS)	AIRFLOW (CFM)	HX SP (IN-WG)	FILTER SP (IN-WG)	ESP/TSP (IN-WG)	MOTOR HP/BHP	AIRFLOW (CFM)	HX SP (IN-WG)	ESP/TSP (IN-WG)	MOTOR HP/BHP	EAT (°F) DB/WB	LAT (°F) DB/WB	HEAT RECOVERED (BTUH)	EAT (°F) DB/WB	LAT (°F) DB/WB	HEAT RECOVERED (BTUH)	VOLTS / PH / HZ	MCA (A)	MOCP (A)	NOTES
ERU-1	VALENT	VXE-212-58E-15I	ROOF	WHEEL	4,380	3,500	-	0.1	1.5 / 2.52	3 / -	3,500	-	1.0 / 1.7	2 / -	92 / 78	79.3 / 66.8	162,891	-10 / -11	49.9 / 42.6	226,394	480 / 3 / 60	45.2	60	1-2

ENERGY RECOVERY RTU SCHEDULE NOTES:

1. OVERLOAD PROTECTED DISCONNECT BY MANUFACTURER. SINGLE POINT POWER. HIGH-FAULT 65 KA SCCR.
2. AMBIENT DESIGN TEMPERATURES - COOLING: 92F DB / 78F WB, HEATING: -10F.

PACKAGED ENERGY RECOVERY DOAS ROOFTOP UNIT SCHEDULE (CONTINUED)

	DX COOLING DATA										GAS-FIRED HEATING DATA					HOT GAS REHEAT		
									COMPRESSOR INFO									
MARK	TOTAL (BTUH)	SENSIBLE (BTUH)	EAT (°F) DB/WB	LAT (°F) DB/WB	FACE VEL. (FPM)	APD (IN-WG)	ROWS	FPI	TYPE	QUANTITY	EER	INPUT (BTUH)	OUTPUT (BTUH)	EAT/LAT (°F)	FURNACE INFO TYPE	FURNACE INFO CONTROL	CAPACITY (BTUH)	EAT/LAT (°F)	NOTES
ERU-1	187,000	112,500	79.3 / 68.8	47.8 / 47.7	173	0.13	5	14	INVERTER SCROLL	1	11.1	300,000	243,000	49.9 / 114.1	INDIRECT	12:1 MODULATING	144,800	- / 87.5	1-2

VAV BOX WITH ELECTRIC REHEAT SCHEDULE - 23 36 00

IDENTITY DATA				AIRFLOW DATA					NOISE DATA		REHEAT COIL DATA				ELECTRICAL DATA			
MARK	MANUFACTURER	MODEL	INLET DIAMETER	MAX. COOLING (CFM)	HEATING (CFM)	MIN. COOLING (CFM)	SPI (IN-WG)	APD	MAX. DISCH.	MAX. RAD.	EAT / LAT (°F)	CAPACITY (KW)	STAGES	VOLTS / PH / HZ	MCA (A)	MOCP (A)	NOTES
VAV-D101	PRICE	SDV	10"	1,100	550	330	1.0	0.75	22	20	55 / 95	7.0	SCR	277 / 1 / 60	31.6	35	1-5
VAV-D104A	PRICE	SDV	8"	675	350	200	1.0	0.75	28	20	56 / 95.4	4.5	SCR	277 / 1 / 60	19.4	20	1-5
VAV-D120	PRICE	SDV	8"	750	375	225	1.0	0.75	26	21	55 / 96.9	5.0	SCR	277 / 1 / 60	21.2	25	1-5
VAV-D121	PRICE	SDV	10"	1,500	750	450	1.0	0.75	26	24	55 / 94.8	9.5	SCR	277 / 1 / 60	42.9	45	1-5
VAV-D200	PRICE	SDV	10"	1,000	500	300	1.0	0.75	21	--	55 / 95.9	6.5	SCR	277 / 1 / 60	28.4	30	1-5
VAV-D205	PRICE	SDV	6"	500	250	150	1.0	0.75	31	26	55 / 95.9	3.25	SCR	277 / 1 / 60	14.4	15	1-5
VAV-D206	PRICE	SDV	10"	1,000	500	300	1.0	0.75	21	--	55 / 95.9	6.5	SCR	277 / 1 / 60	28.4	30	1-5
VAV-D207	PRICE	SDV	10"	1,000	500	300	1.0	0.75	21	--	55 / 95.9	6.5	SCR	277 / 1 / 60	28.4	30	1-5
VAV-D208	PRICE	SDV	10"	1,000	500	300	1.0	0.75	21	--	55 / 95.9	6.5	SCR	277 / 1 / 60	28.4	30	1-5
VAV-D209	PRICE	SDV	10"	1,000	500	300	1.0	0.75	21	--	55 / 95.9	6.5	SCR	277 / 1 / 60	28.4	30	1-5
VAV-D210	PRICE	SDV	10"	1,075	550	325	1.0	0.75	33	28	55 / 95	7.0	SCR	277 / 1 / 60	30.7	35	1-5
VAV-E101	PRICE	SDV	10"	1,000	500	300	1.0	0.75	21	--	55 / 95.9	6.5	SCR	208 / 1 / 60	28.4	30	1-5
VAV-F101	PRICE	SDV	10"	1,000	500	300	1.0	0.75	21	--	55 / 95.9	6.5	SCR	277 / 1 / 60	28.4	30	1-5

VAV BOX WITH ELECTRIC REHEAT SCHEDULE NOTES:

1. COORDINATE LOCATION OF BOX A BOVE CEILING WITH LIGHT FIXTURES, FIRE PROTECTION, HEATING AND COOLING SYSTEM PIPING, PLUMBING SYSTEMS, CONDUITS AND CABLE TRAY.
2. SEE M-700 SERIES DRAWINGS FOR TEMPERATURE CONTROLS INFORMATION.
3. INSULATED BOTTOM ACCESS DOOR UPSTREAM OF COIL WITH 1/4 TURN LATCH FASTENERS.
4. PROVIDE INTEGRAL SILICON CONTROLLED RECTIFIER (SCR).
5. MINIMUM 1" ELASTOMERIC LINER.

EXHAUST FAN SCHEDULE - 23 34 23

IDENTITY DATA					FAN DATA						SOUND CRITERIA			ELECTRICAL DATA	
MARK	MANUFACTURER	MODEL	SERVICES	WEIGHT (LBS)	FAN TYPE	DRIVE TYPE	AIRFLOW (CFM)	ESP (IN-WG)	RPM	HP/BHP	SONES	DBA	UNIT CONTROL	VOLT/PH/HZ	NOTES
EF-1	GREENHECK	G-095-VG	LOCKER ROOMS	75	DOWNBLAST CENTIFUGAL	DIRECT	600	0.13	1090	0.17 / .04	7.9	56	24/7	120 / 60 / 1	1-2

EXHAUST FAN SCHEDULE NOTES:

1. DISCONNECT BY MANUFACTURER.
2. FAN SPEED CONTROLLER FOR BALANCING.

ELECTRIC UNIT HEATER SCHEDULE - 23 82 39

IDENTITY DATA				HEATING DATA		FAN DATA							ELECTRICAL DATA			
MARK	MANUFACTURER	MODEL	WEIGHT (LBS)	CAPACITY (KW)	STAGES	AIRFLOW (CFM)	ESP (IN-WG)	FAN TYPE	DRIVE	RPM	HP	# SPEED	VOLT/PH/HZ	FLA (A)	MOCP (A)	NOTES
UH-1	MARKEL	F3387D-RP	22	4.8	1	175	-	LOW SPEED	DIRECT	700	-	1	208 / 1 / 60	23.1	30.0	1-2
UH-2	MARKEL	F3387D-RP	22	4.8	1	175	-	LOW SPEED	DIRECT	700	-	1	208 / 1 / 60	23.1	30.0	1-2
UH-3	MARKEL	G3325TD-RP	30	3.0	1	175	-	LOW SPEED	DIRECT	600	-	1	277 / 1 / 60	10.8	15.0	1,3
UH-4	MARKEL	G3325TD-RP	30	3.0	1	175	-	LOW SPEED	DIRECT	600	-	1	277 / 1 / 60	10.8	15.0	1,3

ELECTRIC CABINET UNIT HEATER SCHEDULE NOTES:

1. DISCONNECT SWITCH BY MANUFACTURER. DISCONNECT SWITCH AND ALL INTERLOCK RELAYS TO BE INSTALLED WITHIN HEATER ENCLOSURE.
2. CEILING MOUNTING KIT.

233713 DIFFUSERS, REGISTERS, AND GRILLES

IDENTITY DATA				NECK SIZE (IN)	MODULE SIZE		
MARK	DESCRIPTION	MANUFACTURER	MODEL	Ø	W	L	NOTES
EC12/12	EGG CRATE FACE RETURN	PRICE	80		12"	12"	3
EC24/12	EGG CRATE FACE RETURN	PRICE	80		24"	12"	3
RG8/8	LOUVER FACE RETURN GRILLE	PRICE	630		8"	8"	1
RG12/12	LOUVER FACE RETURN GRILLE	PRICE	630		12"	12"	<varies>
RG24/12	LOUVER FACE RETURN GRILLE	PRICE	630		12"	24"	1
RG24/24	LOUVER FACE RETURN GRILLE	PRICE	630		24"	24"	1-2
SD24-6	SQUARE CONE DIFFUSER	PRICE	ASCDA	6"	24"	24"	
SD24-8	SQUARE CONE DIFFUSER	PRICE	ASCDA	8"	24"	24"	
SD24-10	SQUARE CONE DIFFUSER	PRICE	ASCDA	10"	24"	24"	

DIFFUSERS, REGISTERS, AND GRILLES NOTES:

1. PROVIDE CEILING-GRID LAY-IN PANEL WITH GRILLE(S) MOUNTED IN PANEL. SIZE PANEL TO MATCH CEILING GRID.
2. PROVIDE OPPOSED-BLADE DAMPER AT GRILLE FOR AIRFLOW (CFM) BALANCING.
3. PROVIDE SURFACE MOUNT FRAME FOR ALL EC REQUIRING CENTERING IN CEILING TILE OR HARD CEILING.

SPLIT SYSTEM FAN COIL UNIT SCHEDULE - 23 81 26

IDENTITY DATA				DIMENSIONS			HEATING CAPACITY	COOLING CAPACITY		AIRFLOW DATA					ELECTRICAL DATA			
MARK	MANUFACTURER	MODEL	WEIGHT (LBS)	L	W	H	(BTUH)	TOTAL (BTUH)	SENSIBLE (BTUH)	MIN (CFM)	MAX (CFM)	DESIGN (CFM)	ESP (IN-WG)	REF. TYPE	VOLT/PH/HZ	FLA (A)	MOCP (A)	NOTES
FCU-1	MITSUBISHI	PLA-AK24NL	57	50"	26"	9"	-	24,500	24,000	530	810	-	0.25	R-454B	208/1/60	-	-	-

AIR COOLED SPLIT SYSTEM CONDENSING UNIT SCHEDULE - 23 81 26

IDENTITY DATA					HEATING DATA			COOLING DATA		ENERGY DATA				ELECTRICAL DATA			
MARK	MANUFACTURER	MODEL	SYSTEM SERVED	WEIGHT (LBS)	CAPACITY (BTUH)	AMB. (°F)	NOMINAL (BTUH)	AMB. (°F)	EER	SEER	COP	REF. TYPE	VOLT/PH/HZ	MCA (A)	MOCP (A)	NOTES
CU-1	MITSUBISHI	PUZ-AH24NL	FCU-109A	155	10,300	-4	24,000.0	95	13.2	22.6	4.1	R-454B	208/1/60	22.0	37.0	1-3

AIR COOLED SPLIT SYSTEM CONDENSING UNIT SCHEDULE NOTES

1. DISCONNECT BY MANUFACTURER.
2. SEE M-700 SERIES SHEETS FOR TEMPERATURE CONTROLS INFORMATION.
3. MECHANICAL CONTRACTOR SHALL COORDINATE REFRIGERANT PIPE SIZING AND PIPE ROUTING WITH MANUFACTURER.

GRAVITY VENTILATOR SCHEDULE - 23 37 23

IDENTITY DATA					THROAT DATA				HOOD DATA			
						DIMENSIONS						
MARK	MANUFACTURER	MODEL	SYSTEM SERVED	WEIGHT (LBS)	VELOCITY (FPM)	L	W	Ø	AIRFLOW (CFM)	TSP (IN-WG)	VELOCITY (FPM)	NOTES
RH-1	GREENHECK	WRH 22/22	EX. EF-5	50	595	22"	22"		2,000	0.05	300	1

GRAVITY VENTILATOR SCHEDULE NOTES:

1. SEE DETAIL 3/M-501.

Linton-Stockton Addition and Renovation

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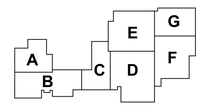
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Description	Date	Num

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Drawn: AM
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MECHANICAL SCHEDULES

Scale: 12" = 1'-0"

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EXHAUST FAN CONTROL: THE EXHAUST FAN SHALL BE STARTED ACCORDING TO THE OWNER-DEFINED SCHEDULE. IF THE EXHAUST FAN STATUS (EF-S) DOES NOT MATCH THE COMMANDED VALUE AFTER STROKE TIME PLUS 15 SECONDS (ADJ), AN ALARM SHALL BE GENERATED. SEE ELECTRICAL DRAWINGS FOR MOTOR STARTER LOCATION INFORMATION.

3 EXHAUST FAN
NOT TO SCALE

SEQUENCE OF OPERATION

RTU IS A CONSTANT AIR VOLUME (CAV), PACKAGED ROOF TOP AIR HANDLING UNIT (RTU) WITH MIXING BOX AND FILTRATION, DIRECT EXPANSION COOLING COIL, NATURAL GAS HEATING SECTION, HOT GAS REHEAT COIL, AND SUPPLY FAN AND POWERED EXHAUST FAN SERVING A SINGLE ZONE FOR TEMPERATURE AND HUMIDITY CONTROL.

THE DIRECT DIGITAL CONTROLS FOR THIS RTU WILL BE PROVIDED (FACTORY INSTALLED AND WIRED) BY THE RTU MANUFACTURER. THE RTU MANUFACTURER WILL LIST ANY CONTROL COMPONENTS REQUIRING FIELD MOUNTING AND WIRING IN THE RTU SUBMITTAL DOCUMENTS. THE TEMPERATURE CONTROLS CONTRACTOR (TCC) WILL INSTALL FACTORY FURNISHED COMPONENTS AND LOW VOLTAGE CONTROL WIRING PER MANUFACTURER'S WRITTEN INSTRUCTIONS. THE TCC WILL FURNISH AND INSTALL ZONE TEMPERATURE SENSORS (AND PLENUM STATIC PRESSURE SENSOR-DESIGNER/ENGINEER MODIFY IF THIS IS NOT REQUIRED), INCLUDING LOW VOLTAGE CONTROL WIRING FOR COMMUNICATION TO THE DIRECT DIGITAL CONTROL SYSTEM. THE TCC WILL INSTALL LOW VOLTAGE CONTROL WIRING FROM THE AUXILIARY CONTACTS OF THE SUPPLY AND RETURN SMOKE DETECTORS TO THE RTU CONTROLLER FOR SYSTEM SHUTDOWN OF THE RTU WHEN SMOKE DETECTORS ARE ACTIVATED.

THE RTU MANUFACTURER WILL PROVIDE A BACNET INTERFACE CARD AS REQUIRED TO INTERFACE TO THE DIRECT DIGITAL CONTROLS FRONT-END. CONTROLS STARTUP, COMMISSIONING, AND WARRANTY SUPPORT OF THE FACTORY-PROVIDED AND FACTORY-FURNISHED CONTROLS SHALL BE THE RESPONSIBILITY OF THE RTU MANUFACTURER. SUPPORT OF THE BACNET INTERFACE CARD WILL BE THE RESPONSIBILITY OF THE RTU MANUFACTURER. THE RTU MANUFACTURER WILL PROVIDE OWNER TRAINING.

SUPPLY FAN START/STOP: THE SUPPLY FAN (SF-C) WILL BE ENABLED/DISABLED ACCORDING TO THE OCCUPIED/UNOCCUPIED SCHEDULE, OR MANUALLY AS SELECTED BY THE OPERATOR. THE MINIMUM RUN TIME WILL BE 30 MINUTES (ADJ). IF THE SUPPLY FAN STATUS (SF-S) DOES NOT MATCH THE COMMANDED VALUE, AN ALARM WILL BE GENERATED AT THE USER INTERFACE. WHEN THE SUPPLY FAN STATUS INDICATES THE FAN IS ENERGIZED, THE CONTROL SEQUENCE WILL BE INITIATED.

SUPPLY FAN SPEED: THE SUPPLY FAN SPEED (SF-0) WILL RUN CONTINUOUSLY AT CONSTANT SPEED. THE MAXIMUM SUPPLY FAN SPEED (SF-0) WILL BE DETERMINED AT THE TIME OF SYSTEM BALANCING BY THE TEST AND BALANCE CONTRACTOR.

ZONE TEMPERATURE CONTROL: THE OUTDOOR AIR DAMPER SHALL BE AT MINIMUM POSITION. THE DX COOLING SECTION AND THE NATURAL GAS HEATING SECTION SHALL MODULATE IN SEQUENCE TO MAINTAIN THE SPACE TEMPERATURE SETPOINT BETWEEN 70F (ADJ) AND 74F (ADJ).

ECONOMIZER CONTROL (DRY BULB): WHEN THE OUTSIDE AIR TEMPERATURE (OA-T) IS BELOW 55F, THE ECONOMIZER MODE WILL BE ENABLED. WHEN ECONOMIZER MODE IS ENABLED, THE OUTDOOR AIR DAMPER (OA-DPR) AND RETURN AIR DAMPER (RA-DPR) WILL MODULATE IN SEQUENCE TO MAINTAIN DISCHARGE AIR TEMPERATURE (DA-T) SETPOINT.

EXHAUST FAN SPEED CONTROL: THE EXHAUST FAN SPEED (EF-O) SHALL MODULATE TO MAINTAIN BUILDING STATIC PRESSURE SETPOINT OF +0.05" WC (ADJ) AS SENSED BY PLENUM STATIC PRESSURE SENSOR (PLE-SP).

SYSTEM SAFETIES: UPON ACTIVATION OF SMOKE DETECTION DEVICE (DA-SD, RA-SD), THE SUPPLY FAN WILL BE DE-ENERGIZED VIA HARD-WIRED CONNECTION TO THE RTU CONTROLLER. AN ALARM WILL BE INITIATED AT THE USER INTERFACE.

SYSTEM SHUTDOWN: WHEN THE UNIT IS SHUTDOWN VIA MANUAL STOP COMMAND, OCCUPIED/UNOCCUPIED SCHEDULE, OR SYSTEM SAFETY COMMAND, THE UNIT WILL BE SET AS FOLLOWS:

SUPPLY FAN IS DE-ENERGIZED
OUTSIDE AIR DAMPER IS CLOSED
RETURN AIR DAMPER IS OPEN

POINTS LIST: THE FOLLOWING REPRESENTS THE MINIMUM POINTS TO BE PROVIDED AND DISPLAYED AT THE USER INTERFACE SYSTEM GRAPHICS. PROVIDE, AND DISPLAY AT THE USER INTERFACE, ANY ADDITIONAL POINTS NECESSARY TO ACHIEVE THE SEQUENCE OF OPERATION OF THE SYSTEM.

BINARY INPUTS

SUPPLY FAN STATUS (SF-S)
SMOKE DETECTORS (DA-SD, RA-SD)
EXHAUST FAN STATUS (EF-S)

BINARY OUTPUTS

SUPPLY FAN START/STOP (SF-C)
EXHAUST FAN START/STOP (EF-C)

ANALOG INPUTS

OUTSIDE AIR TEMPERATURE (OA-T)
OUTSIDE AIR HUMIDITY (OA-H)
MIXED AIR TEMPERATURE (MA-T)
RETURN AIR TEMPERATURE (RA-T)
RETURN AIR HUMIDITY (RA-H)
DISCHARGE TEMPERATURE (DA-T)
PLENUM STATIC PRESSURE (PLE-SP)

ANALOG OUTPUTS

SUPPLY FAN SPEED (SF-O)
OUTDOOR AIR DAMPER POSITION (OA-DPR, LINKED WITH RA-DPR)
GAS HEAT OUTPUT (HTG-C)
DX COOLING OUTPUT (CLG-C)
REHEAT OUTPUT (RH-C)
EXHAUST FAN STATUS (EF-O)

ANALOG/MULTI-STATE VALUES:

OCCUPIED COOLING SETPOINT
UNOCCUPIED COOLING SETPOINT
OCCUPIED HEATING SETPOINT
UNOCCUPIED HEATING SETPOINT
ALARM VALUE
OCCUPANCY MODE

SEQUENCE OF OPERATION

OCCUPIED MODE:

IF ZONE TEMPERATURE , AS SENSED BY ZONE TEMPERATURE SENSOR (ZN-T), IS WITHIN THE DEADBAND LIMITS OF 70F-74F (ADJ), THE SUPPLY AIR DAMPER (SA-DPR) WILL BE AT MINIMUM COOLING AIRFLOW SETPOINT AS SENSED BY SUPPLY AIR AIRFLOW MEASURING STATION (SA-CFM), AND THE ELECTRIC RESISTANCE HEATING SCR CONTROLLER (HTG-SCR) IS DISABLED. IF ZONE TEMPERATURE (ZN-T) INCREASES BEYOND THE UPPER DEAD BAND LIMIT, THE SUPPLY AIR DAMPER (SA-DPR) WILL MODULATE FROM MINIMUM COOLING AIRFLOW SETPOINT TO MAXIMUM COOLING AIRFLOW SETPOINT TO SATISFY ZONE TEMPERATURE (ZN-T) SETPOINT OF 72F (ADJ). IF ZONE TEMPERATURE (ZN-T) FALLS BELOW THE LOWER DEADBAND LIMIT, THE SUPPLY AIR DAMPER (SA-DPR) WILL MODULATE FROM MAXIMUM COOLING SETPOINT TO MINIMUM COOLING SETPOINT. IF THE ZONE TEMPERATURE (ZN-T) CONTINUES TO FALL BELOW THE LOWER DEAD BAND LIMIT, THE SUPPLY AIR DAMPER (SA-DPR) WILL BE FIXED AT THE HEATING AIRFLOW SETPOINT AND THE ELECTRIC RESISTANCE HEATING SCR CONTROLLER (HTG-SCR) WILL BE ENABLED AND MODULATE TO MAINTAIN ZONE TEMPERATURE SETPOINT.

UNOCCUPIED MODE:

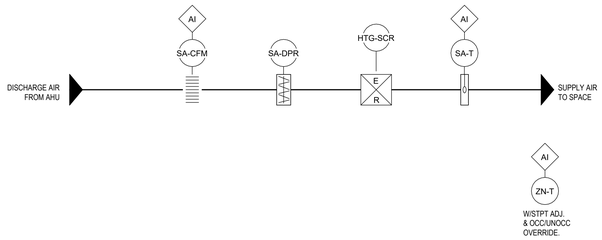
THE UNOCCUPIED MODE SEQUENCE OF OPERATION IS THE SAME AS THE OCCUPIED MODE. THE UNOCCUPIED MODE DEADBAND LIMITS WILL BE 55F-85F (ADJ). WHEN ANY TWO VAV TERMINAL UNIT ZONES EXCEED THE UPPER DEAD BAND LIMIT OR FALL BELOW THE LOWER DEAD BAND LIMIT, AS SENSED BY THE ZONE TEMPERATURE SENSOR (ZN-T), THE ASSOCIATED AIR HANDLING UNIT WILL BE ENABLED AND OPERATE IN UNOCCUPIED MODE.

NOTES:

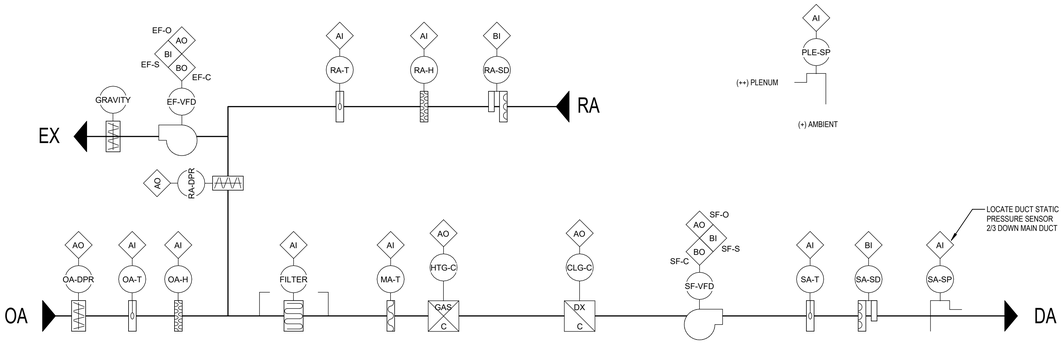
1. DISCHARGE AIR TEMPERATURE SENSOR (SA-T) PROVIDED BY TCC FOR MONITORING PURPOSES.

2. VAV TERMINAL UNIT CONTROLLER AND DAMPER ACTUATOR FURNISHED BY TCC AND DELIVERED TO VAV TERMINAL UNIT MANUFACTURER FOR FACTORY MOUNTING AND WIRING IN TERMINAL UNIT CONTROL PANEL.

3. LOW VOLTAGE POWER WIRING TO VAV TERMINAL UNIT CONTROLLER BY TCC.



2 SINGLE DUCT VAV TERMINAL UNIT - ELECTRIC REHEAT W/SCR CONTROL
NOT TO SCALE



1 RTU-1, 2, 3
NOT TO SCALE

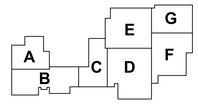
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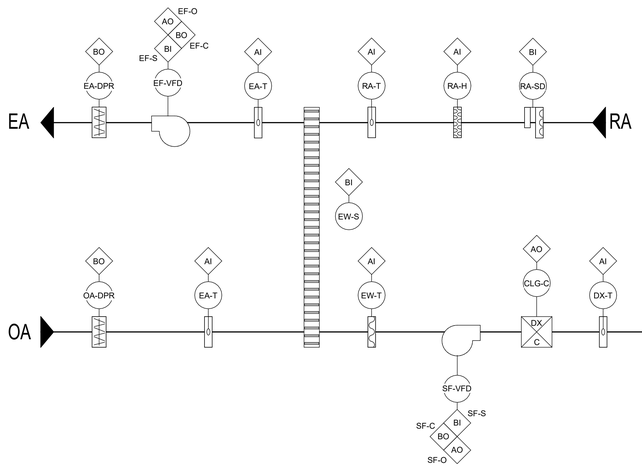
TEMPERATURE CONTROLS SCHEMATICS

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

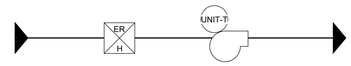
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1 **RTU ENERGY RECOVERY - GAS**
NOT TO SCALE



CABINET HEATER SEQUENCE OF OPERATION

THE UNIT MOUNTED, LINE VOLTAGE THERMOSTAT WILL ENERGIZE THE CUH WHEN THE SPACE TEMPERATURE FALLS BELOW 65F AND DISABLE THE UNIT WHEN THE SPACE TEMPERATURE EXCEEDS 68F.

2 **CABINET UNIT HEATER**
NOT TO SCALE

RTU-E4 SEQUENCE OF OPERATION

THE TEMPERATURE CONTROLS FOR THIS SYSTEM SHALL BE PROVIDED, FACTORY INSTALLED AND WIRED BY THE EQUIPMENT MANUFACTURER. ANY FACTORY COMPONENTS REQUIRING FIELD MOUNTING AND WIRING SHALL BE LISTED IN THE SUBMITTAL DOCUMENTS. AT A MINIMUM THE TEMPERATURE CONTROLS CONTRACTOR (TCC) SHALL FIELD INSTALL AND WIRE THE ZONE TEMPERATURE SENSOR. ANY ADDITIONAL FACTORY COMPONENTS INSTALLED IN THE FIELD WILL BE MOUNTED AND WIRED BY THE TCC PER THE MANUFACTURER 'S GUIDELINES. TCC SHALL WIRE FROM THE AUXILIARY CONTACTS OF THE SUPPLY AND RETURN SMOKE DETECTORS TO THE TERMINALS ON THE RTU UTILIZED FOR SHUTDOWN OF THE RTU WHEN SMOKE IS DETECTED. THE MANUFACTURER SHALL ALSO PROVIDE A BACNET MS/TP INTERFACE CARD AS REQUIRED TO INTERFACE TO THE EXISTING PRECISION CONTROLS FRONT-END. CONTROLS STARTUP, COMMISSIONING, AND WARRANTY SUPPORT OF THE FACTORY-PROVIDED CONTROLS SHALL BE THE RESPONSIBILITY OF THE EQUIPMENT MANUFACTURER. OWNER TRAINING SHALL ALSO BE PROVIDED BY THE UNIT MANUFACTURER. SUPPORT OF THE BACNET MS/TP INTERFACE CARD SHALL ALSO BE BY THE EQUIPMENT MANUFACTURER. THE EQUIPMENT MANUFACTURER SHALL HAVE A LOCAL FACTORY-TRAINED TECHNICIAN AVAILABLE WHO CAN SUPPORT THE FACTORY-PROVIDED CONTROLS INCLUDING THE BACNET MS/TP INTERFACE. THIS TECHNICIAN SHALL BE AVAILABLE ON SITE AS REQUIRED TO ENSURE THAT THE FACTORY CONTROLS ARE INTEGRATED SMOOTHLY INTO THE BUILDING TEMPERATURE CONTROL SYSTEM. THE START-UP AND COMMISSIONING OF THE BACNET MS/TP INTERFACE SHALL BE HANDLED BY THE EQUIPMENT MANUFACTURER. THE TCC SHALL BE RESPONSIBLE FOR SENDING THE EQUIPMENT AN OCCUPIED OR UNOCCUPIED SIGNAL AND SET POINT CONTROL (ZONE TEMPERATURE AND RETURN HUMIDITY) TO THE FACTORY-PROVIDED CONTROLS. THE CONTROL OF THE EQUIPMENT FROM THAT POINT IN THE LOGIC WILL BE THE RESPONSIBILITY OF THE EQUIPMENT MANUFACTURER. THE EQUIPMENT MANUFACTURER SHALL PROVIDE A LIST OF POINTS THAT THE TCC WILL PICK UP AND UTILIZE IN BUILDING THE FRONT END GRAPHICAL INTERFACE. THE EQUIPMENT MANUFACTURER SHALL PROVIDE THE SEQUENCE OF OPERATION AND CONTROL DEVICES NECESSARY TO CONTROL ZONE TEMPERATURE SETPOINT. THE TEMPERATURE CONTROLS CONTRACTOR SHALL PROVIDE A GRAPHIC OF THE SYSTEM AS SPECIFIED IN SECTION 3.1. A (GRAPHIC DISPLAYS) WHICH STATES TO PROVIDE A "SYSTEM FLOW DIAGRAM" AND NOT A DISPLAY OF BACNET POINT VALUES IN TABLE FORMAT.

SUPPLY FAN START/STOP : THE SUPPLY FAN (SF-C) WILL BE STARTED ACCORDING TO THE SCHEDULE OR MANUALLY AS SELECTED BY THE OPERATOR. MINIMUM RUN TIME SHALL BE 30 MINUTES (ADJ). IF THE SUPPLY FAN STATUS (SF-S) DOES NOT MATCH THE COMMANDED VALUE, AN ALARM WILL BE GENERATED. WHEN THE SUPPLY FAN STATUS INDICATES THE FAN STARTED, THE CONTROL SEQUENCE WILL BE ENABLED.

EXHAUST FAN START/STOP : WHEN THE SUPPLY FAN IS STARTED, A COMMAND TO THE EXHAUST FAN (EF-C) WILL BE SENT. IF THE EXHAUST FAN STATUS (EF-S) DOES NOT MATCH THE COMMANDED VALUE, AN ALARM WILL BE GENERATED.

ENERGY WHEEL CONTROL: THE ENERGY WHEEL IS ENABLED (EW-C) WHEN THE EXHAUST FAN IS RUNNING AND THE OUTDOOR AIR DAMPER IS OPEN.

ZONE TEMPERATURE CONTROL (OCCUPIED MODE): THE DX COOLING COIL (CLG-C) SHALL MODULATE TO MAINTAIN THE ZONE TEMPERATURE (ZN-T) COOLING SETPOINT AT 74F (ADJ). COOLING SHALL BE DISABLED AT 72F (ADJ). THE GAS HEAT (HTG-C) SHALL MODULATE TO MAINTAIN THE ZONE TEMPERATURE HEATING SETPOINT AT 70F (ADJ). HEATING SHALL BE DISABLED AT 72F (ADJ). MINIMUM DISCHARGE TEMPERATURE SHALL BE 55F (ADJ). MAXIMUM DISCHARGE TEMPERATURE SHALL BE 90F (ADJ).

ZONE TEMPERATURE CONTROL (UNOCCUPIED MODE) : IF THE ZONE TEMPERATURE RISES ABOVE THE UNOCCUPIED COOLING SETPOINT OF 78F (ADJ) OR DROPS BELOW THE UNOCCUPIED HEATING SETPOINT OF 64F (ADJ), THE RTU SHALL START. DX COOLING SHALL MODULATE AS NEEDED TO DROP THE ZONE TEMPERATURE BELOW THE UNOCCUPIED COOLING SETPOINT AND RTU SHALL BE DISABLED AT 76F (ADJ). GAS HEAT SHALL MODULATE AS NEEDED TO RAISE THE THE ZONE TEMPERATURE ABOVE THE UNOCCUPIED HEATING SETPOINT AND RTU SHALL BE DISABLED AT 66F (ADJ).

ZONE HUMIDITY CONTROL : IF THE RETURN HUMIDITY (RA-H) RISES ABOVE 55% RH, THE DX COOLING WILL BE COMMANDED ON TO MAINTAIN A DX COIL LEAVING TEMPERATURE OF 45F (ADJ) AND THE HOT GAS REHEAT (RH-C) SHALL MODULATE TO MAINTAIN THE ZONE TEMPERATURE. WHEN THE EXHAUST HUMIDITY DROPS BELOW 53% RH (ADJ), DEHUMIDIFICATION SHALL BE DISABLED.

MORNING WARM-UP: A MORNING WARMUP CYCLE SHALL BE IMPLEMENTED, UPON TRANSITION FROM UNOCCUPIED TO OCCUPIED MODE. FANS TURN ON AND THE GAS HEAT SHALL MODULATE TO MAINTAIN A DISCHARGE OF 90F (ADJ). UNIT REMAINS IN THIS MODE UNTIL THE RETURN AIR TEMPERATURE (RA-T) REACHES THE MORNING WARMUP CYCLE TERMINATION SETPOINT OF 70F (ADJ). UPON REACHING THIS SETPOINT, THE AIR HANDLING UNIT ENTERS ITS NORMAL OCCUPIED MODE OF OPERATION (ZONE CONTROL).

SAFETY: IF A FIRE ALARM (DA-SD, RA-SD) SHUTDOWN CONTACT IS PROVIDED, THE SUPPLY FAN AND RELIEF FAN WILL BE SHUTDOWN WHEN TRIGGERED.

SHUTDOWN: WHEN THE UNIT IS SHUTDOWN BY EITHER A STOP COMMAND OR SYSTEM SAFETY THE UNIT WILL BE SET AS FOLLOWS:
SUPPLY AND EXHAUST FAN WILL BE OFF
OUTSIDE AND EXHAUST AIR DAMPER WILL CLOSE

POINTS LIST: THE FOLLOWING REPRESENTS THE MINIMUM POINTS TO BE PROVIDED AND DISPLAYED IN THE SYSTEM GRAPHICS. ADDITIONAL POINTS REQUIRED TO MEET THE SEQUENCE SHALL BE PROVIDED AND ALSO SHOWN.

BINARY INPUTS
- SUPPLY FAN STATUS (SF-S)
- EXHAUST FAN STATUS (EF-S)
- SMOKE DETECTORS (DA-SD, RA-SD)
- ENERGY WHEEL STATUS (EW-S)

BINARY OUTPUTS
- SUPPLY FAN START/STOP (SF-C)
- EXHAUST FAN START/STOP (EF-C)
- OUTSIDE AIR DAMPER (OA-DPR)
- EXHAUST AIR DAMPER (EA-DPR)

ANALOG INPUTS
- OUTSIDE AIR TEMPERATURE (OA-T)
- EXHAUST AIR TEMPERATURE (EA-T)
- ENERGY WHEEL DISCHARGE TEMPEATURE (EW-T)
- RETURN AIR TEMPERATURE (RA-T)
- RETURN AIR HUMIDITY (RA-H)
- DISCHARGE TEMPERATURE (DA-T)
- DX COIL DISCHARGE TEMPERATURE (DX-T)
- ZONE TEMPERATURE (ZN-T)

ANALOG OUTPUTS
- SUPPLY FAN SPEED (SF-O)
- EXHAUST FAN SPEED (RF-O)
- GAS HEAT OUTPUT (HTG-C)
- DX COOLING OUTPUT (CLG-C)
- HOT GAS REHEAT OUTPUT (RH-C)

ANALOG/MULTI-STATE VALVUES:
- OCCUPIED COOLING SETPOINT
- UNOCCUPIED COOLING SETPOINT
- OCCUPIED HEATING SETPOINT
- UNOCCUPIED HEATING SETPOINT
- RETURN HUMIDITY SETPOINT
- ALARM VALUE
- OCCUPANCY MODE

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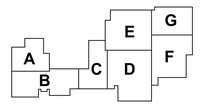
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TEMPERATURE CONTROLS SCHEMATICS

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

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SEQUENCE OF OPERATION

RTU IS A VARIABLE AIR VOLUME, MULTI-ZONE UNIT (MZVAV), PACKAGED ROOFTOP AIR HANDLING UNIT (RTU) WITH MIXING BOX AND FILTRATION, DIRECT EXPANSION COOLING COIL, NATURAL GAS HEATING SECTION, SUPPLY FAN SERVING VAV TERMINAL UNITS FOR ZONE TEMPERATURE CONTROL.

THE DIRECT DIGITAL CONTROLS FOR THIS RTU WILL BE PROVIDED (FACTORY INSTALLED AND WIRED) BY THE RTU MANUFACTURER. THE RTU MANUFACTURER WILL LIST AND CONTROL COMPONENTS REQUIRING FIELD MOUNTING AND WIRING IN THE RTU SUBMITTAL DOCUMENTS. THE TEMPERATURE CONTROLS CONTRACTOR (TCC) WILL INSTALL FACTORY FURNISHED COMPONENTS AND LOW VOLTAGE CONTROL WIRING PER MANUFACTURER'S WRITTEN INSTRUCTIONS. THE TCC WILL FURNISH AND INSTALL ZONE TEMPERATURE SENSORS (FOR CONTROL OF TERMINAL UNITS) AND PLENUM STATIC PRESSURE SENSOR, INCLUDING LOW VOLTAGE CONTROL WIRING FOR COMMUNICATION TO THE DIRECT DIGITAL CONTROL SYSTEM. THE TCC WILL INSTALL LOW VOLTAGE WIRING FROM THE AUXILIARY CONTACTS OF THE SUPPLY AND RETURN SMOKE DETECTORS TO THE RTU CONTROLLER FOR SYSTEM SHUTDOWN OF THE RTU WHEN SMOKE DETECTORS ARE ACTIVATED.

THE RTU MANUFACTURER WILL PROVIDE A (BACNET MS/TP) (BACNET IP) (LONWORKS) (METASYS N2) (MODBUS) INTERFACE CARD AS REQUIRED TO INTERFACE TO THE DIRECT DIGITAL CONTROLS FRONT-END. CONTROLS STARTUP, COMMISSIONING, AND WARRANTY SUPPORT OF THE FACTORY-PROVIDED AND FACTORY-FURNISHED CONTROLS SHALL BE THE RESPONSIBILITY OF THE RTU MANUFACTURER. SUPPORT OF THE (BACNET MS/TP) (BACNET IP) (LONWORKS) (METASYS N2) (MODBUS) INTERFACE CARD WILL BE THE RESPONSIBILITY OF THE RTU MANUFACTURER. THE RTU MANUFACTURER WILL PROVIDE OWNER TRAINING.

SUPPLY FAN START/STOP: THE SUPPLY FAN (SF-C) WILL BE ENABLED/DISABLED ACCORDING TO THE OCCUPIED/UNOCCUPIED SCHEDULE, OR MANUALLY AS SELECTED BY THE OPERATOR. THE MINIMUM RUN TIME WILL BE 30 MINUTES (ADJ). IF THE SUPPLY FAN STATUS (SF-S) DOES NOT MATCH THE COMMANDED VALUE, AN ALARM WILL BE GENERATED AT THE USER INTERFACE. WHEN THE SUPPLY FAN STATUS INDICATES THE FAN IS ENERGIZED, THE CONTROL SEQUENCE WILL BE INITIATED.

SUPPLY FAN SPEED CONTROL: THE SUPPLY FAN SPEED (SF-0) WILL MODULATE VIA VARIABLE FREQUENCY DRIVE (VFD) TO MAINTAIN DUCT STATIC PRESSURE SETPOINT, AS SENSED BY SUPPLY AIR DUCT STATIC PRESSURE SENSOR (SA-SP), INITIALLY SET AT 1.0" WG (ADJ). THE DUCT STATIC PRESSURE SETPOINT VALUE WILL BE DETERMINED AT THE TIME OF SYSTEM BALANCING IN COORDINATION WITH THE TEST AND BALANCE CONTRACTOR.

EXHAUST FAN START/STOP: WHEN THE SUPPLY FAN IS ENERGIZED, THE EXHAUST FAN (EF-C) WILL BE ENABLED. IF THE EXHAUST FAN STATUS (EF-S) DOES NOT MATCH THE COMMANDED VALUE, AN ALARM WILL BE GENERATED AT THE USER INTERFACE.

EXHAUST FAN SPEED CONTROL: THE EXHAUST FAN SPEED (EF-O) WILL MODULATE VIA VFD TO MAINTAIN +0.05" WG (ADJ) STATIC PRESSURE WITH REFERENCE TO OUTDOOR AMBIENT CONDITIONS, AS SENSED BY PLENUM DIFFERENTIAL PRESSURE TRANSMITTER (PLE-SP).

SUPPLY AIR TEMPERATURE CONTROL: THE NATURAL GAS HEATING (HTG-C), MIXED AIR DAMPER CONTROL (OA-DPR/RA-DPR), AND DX COOLING COIL (CLG-C) WILL MODULATE IN SEQUENCE TO MAINTAIN THE THE DISCHARGE AIR TEMPERATURE SETPOINT OF 55F (ADJ).

ECONOMIZER CONTROL (DRY BULB): WHEN THE OUTSIDE AIR TEMPERATURE (OA-T) IS BELOW 55F, THE ECONOMIZER MODE WILL BE ENABLED. WHEN ECONOMIZER MODE IS ENABLED, THE OUTDOOR AIR DAMPER (OA-DPR) AND RETURN AIR DAMPER (RA-DPR) WILL MODULATE IN SEQUENCE TO MAINTAIN DISCHARGE AIR TEMPERATURE (DA-T) SETPOINT.

SYSTEM SAFETIES: UPON ACTIVATION OF SMOKE DETECTION DEVICE (DA-SD, RA-SD), THE SUPPLY AND EXHAUST FANS SHALL BE DE-ENERGIZED VIA HARD-WIRED CONNECTION TO THE RTU CONTROLLER. AN ALARM WILL BE INITIATED AT THE USER INTERFACE.

SYSTEM SHUTDOWN: WHEN THE UNIT IS SHUTDOWN VIA MANUAL STOP COMMAND, OCCUPIED/UNOCCUPIED SCHEDULE, OR SYSTEM SAFETY COMMAND, THE UNIT WILL BE SET AS FOLLOWS:

SUPPLY FAN IS DE-ENERGIZED
EXHAUST FAN IS DE-ENERGIZED
OUTSIDE AIR DAMPER IS CLOSED
RETURN AIR DAMPER IS OPEN

POINTS LIST: THE FOLLOWING REPRESENTS THE MINIMUM POINTS TO BE PROVIDED AND DISPLAYED AT THE USER INTERFACE SYSTEM GRAPHICS. PROVIDE, AND DISPLAY AT THE USER INTERFACE, ANY ADDITIONAL POINTS NECESSARY TO ACHIEVE THE SEQUENCE OF OPERATION OF THE SYSTEM.

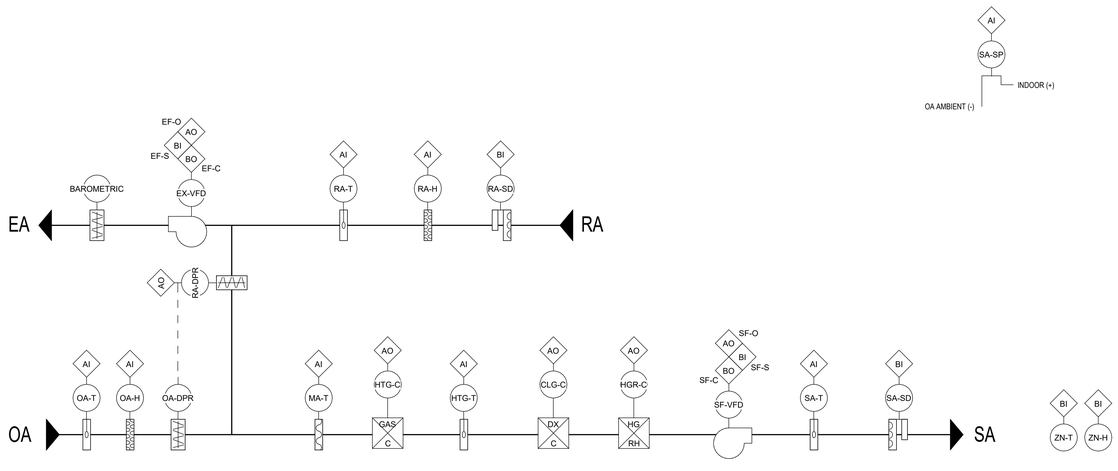
BINARY INPUTS
- SUPPLY FAN STATUS (SF-S)
- EXHAUST FAN STATUS (EF-S)
- SMOKE DETECTORS (DA-SD, RA-SD)

BINARY OUTPUTS
- SUPPLY FAN START/STOP (SF-C)
- EXHAUST FAN START/STOP (EF-C)

ANALOG INPUTS
- OUTSIDE AIR TEMPERATURE (OA-T)
- OUTSIDE AIR HUMIDITY (OA-H)
- MIXED AIR TEMPERATURE (MA-T)
- RETURN AIR TEMPERATURE (RA-T)
- RETURN AIR HUMIDITY (RA-H)
- SUPPLY AIR TEMPERATURE (SA-T)
- COOLING COIL DISCHARGE TEMPERATURE (CLG-T)
- PLENUM STATIC PRESSURE (PLE-SP)
- ZONE HUMIDITY (ZN-H)

ANALOG OUTPUTS
- SUPPLY FAN SPEED (SF-O)
- EXHAUST FAN SPEED (EF-O)
- OUTDOOR AIR DAMPER POSITION (OA-DPR, LINKED WITH RA-DPR)
- GAS HEAT OUTPUT (HTG-C)
- DX COOLING OUTPUT (CLG-C)

ANALOG/MULTI-STATE VALUES:
- OCCUPIED COOLING SETPOINT
- UNOCCUPIED COOLING SETPOINT
- OCCUPIED HEATING SETPOINT
- UNOCCUPIED HEATING SETPOINT
- RETURN AIR HUMIDITY SETPOINT
- ALARM VALUE
- OCCUPANCY MODE



1 **RTU-4**
NOT TO SCALE

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KEY PLAN

A B C D E F G

GABRIEL S. CUBILLER REGISTERED NO. PE10808972 STATE OF INDIANA PROFESSIONAL ENGINEER

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Check: JR

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TEMPERATURE CONTROLS SCHEMATICS

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

M-703

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FIRE PROTECTION SYMBOLS

F	FIRE WATER MAIN
	POST INDICATOR VALVE
	FIRE DEPT. CONNECTION
	FLOW SWITCH
TS	TAMPER SWITCH
	UPRIGHT SPRINKLER HEAD
	PENDANT SPRINKLER HEAD
	DRY PENDANT SPRINKLER HEAD
	SIDEWALL SPRINKLER HEAD
	CONCEALED PENDANT SPRINKLER HEAD
	ZONE VALVE (OS&Y)
A	ALARM VALVE

ABANDONED PIPING SYSTEMS

AV	ABANDONED ACID-RESISTANT VENT
AW	ABANDONED ACID-RESISTANT WASTE
AIR	ABANDONED AIR
CW	ABANDONED COLD WATER
FP	ABANDONED FIRE PROTECTION
GAS	ABANDONED GAS
GW	ABANDONED GREASE WASTE
HW	ABANDONED HOT WATER
HWR	ABANDONED HOT WATER RETURN
N2	ABANDONED NITROGEN
ST	ABANDONED STORM
VAC	ABANDONED VACUUM
V	ABANDONED VENT
W	ABANDONED WASTE

NOTE SYMBOLS

1	DEMOLITION PLAN NOTE
1	NEW WORK PLAN NOTE
3 / P501	DETAIL NUMBER / SHEET NUMBER — DETAIL REFERENCE
2 / P301	SECTION REFERENCE
	NEW TO EXISTING
	DEMO TO THIS POINT
XXX-1	EXISTING EQUIPMENT TAG
XXX-1	NEW EQUIPMENT TAG
XXX-1	FIXTURE TAG

ABBREVIATIONS

AD	AREA DRAIN
ADA	AMERICAN DISABILITIES ACT
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
ALTER	ALTERNATE
AMP	AMPERE (AMP, AMPS)
APPROX	APPROXIMAT(E), (LY)
ARCH	ARCHITECT (URAL)
APD	AIR PRESSURE DROP (IN WG)
AV	ACID VENT
AW	ACID WASTE
A	COMPRESSED AIR
BLDG	BUILDING
BOP	BOTTOM OF PIPING
BT	BATHTUB
BTU	BRITISH THERMAL UNIT PER HOUR
CD	CONDENSATE DRAIN
CI	CAST IRON
CO	CLEANOUT
CO2	CARBON DIOXIDE
CONN	CONNECTION
CW	COLD WATER (DOMESTIC)
D	DRAIN
DF	DRINKING FOUNTAIN
DN	DOWN
DS	DOWNSPOUT
DWG	DRAWING
DWH	DOMESTIC WATER HEATER
DWS	DOMESTIC WATER SOFTNER
EC	ELECTRICAL CONTRACTOR
EXT. CO	EXTERIOR CLEANOUT
EFF	EFFICIENCY
ELEC	ELECTRIC
ELEV	ELEVATION
EMER	EMERGENCY
ENCL	ENCLOSURE
EQUIP	EQUIPMENT
ES	EMERGENCY SHOWER
ET	EXPANSION TANK
EEW	EMERGENCY EYEWASH
EWC	ELECTRIC WATER COOLER
EXP	EXPANSION
EX	EXISTING
°F	DEGREES FAHRENHEIT
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FLR	FLOOR
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FOV	FUEL OIL VENT
FP	FIRE PROTECTION
FP-	FIRE PUMP
FPC	FIRE PROTECTION CONTRACTOR
FT	FOOT/FEET
FTG	FOOTING
G	NATURAL GAS
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GT	GREASE TRAP
HB	HOSE BIB
HD	HEAD (FT.)
HO	HUB OUTLET
HORIZ	HORIZONTAL
HWCP	HOT WATER RECIRCULATING PUMP
HR	HOUR
HW	HOT WATER (DOMESTIC)
HWR	HOT WATER RETURN
ID	INSIDE DIAMETER
IN	INCH/INCHES
INCL	INCLUD(E), (ED)
INDIC	INDICATOR
INSUL	INSULAT(E), (ED), (ION)
INT	INTERIOR
INV	INVERT
KEC	KITCHEN EQUIPMENT CONTRACTOR
KW	KILOWATT
L	LAVATORY
LA	LABORATORY AIR
LAB	LABORATORY
LBS	POUND
LEC	LABORATORY EQUIPMENT CONTRACTOR
LFC	LABORATORY FURNISHINGS CONTRACTOR
LP	LIQUID PETROLEUM
LPC	LABORATORY PLUMBING CONTRACTOR
LV	LABORATORY VACUUM
MA	MEDICAL AIR
MAX	MAXIMUM
MB	MOP BASIN
MS	MOP SINK
MBH	THOUSANDS OF BTU PER HOUR
MC	MECHANICAL CONTRACTOR
MECH	MECHANICAL
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
N	NITROGEN
NA	NOT APPLICABLE
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NTS	NOT TO SCALE
O	OXYGEN
OA	OUTSIDE AIR
OFD	OVERFLOW DRAIN
OSD	OPEN SITE DRAIN
P	PUMP
PC	PLUMBING CONTRACTOR
PD	PRESSURE DROP (IN OR WG AS NOTED)
PER	PERCENT
PH	PHASE
PI	PRESSURE INDICATOR
PIV	POST INDICATOR VALVE
PREFAB	PREFABRICATED
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
PVC	POLYVINYL CHLORIDE
R	THERMAL RESISTANCE
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
RECIR	RECIRCULAT(E), (OR), (ING)
RM	ROOM
RO	REVERSE OSMOSIS WATER
RPM	REVOLUTIONS PER MINUTE
SCW	SOFT COLD WATER (DOMESTIC)
SF	SQUARE FOOT
SH	SHOWER
SK	SINK
SPEC	SPECIFICATIONS
SPG	SPECIAL GAS
SS	STAINLESS STEEL
SSD	SUB SURFACE (FOOTING) DRAIN
ST	STORAGE TANK
STD	STANDARD
STP	STORAGE TANK PUMP
STRUCT	STRUCTURE(E), (AL)
SU	SHOWER UNIT
T&P	TEMPERATURE AND PRESSURE
T	TEMPERED WATER
TEMP	TEMPERATURE
TMV	THERMOSTATIC MIXING VALVE
TP	TRAP PRIMER
TS	TAMPER SWITCH
TYP.	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
VA	VOLT AMPERE
VAC	VACUUM
VAR	VARIABLE
VB	VACUUM BREAKER
VC	VACUUM CLEANING
VERT	VERTICAL
VIF	VERIFY IN FIELD
VT	VITRIFIED TILE
VPD	VACUUM PUMP DISCHARGE
VTR	VENT THROUGH ROOF
VV	VACUUM VENT
W/	WITH
WC	WATER CLOSET
W.C.	WATER COLUMN
WCO	WALL CLEANOUT
WG	WATER GAUGE
WH	WALL HYDRANT
W/O	WITHOUT
WP	WEATHERPROOF
WPD	WATER PRESSURE DROP
WTR	WATER
YD	YARD DRAIN
ZN	ZONE

NOTE:
NOT ALL INFORMATION ON THIS SHEET WILL BE USED IN THIS PROJECT

PLUMBING GENERAL NOTES

1. ALL CONCRETE WORK WILL COMPLY WITH THE SPECIFICATIONS UNDER DIVISION 3 "CAST IN PLACE CONCRETE".
2. REFERENCE SPECIFICATION SECTION 012300 FOR SCHEDULE OF ALTERNATES.
3. SEE DRAWING P-001 FOR ADDITIONAL NOTES.
4. MECHANICAL CONTRACTOR SHALL PROVIDE CONCRETE PADS FOR ALL FLOOR MOUNTED PLUMBING EQUIPMENT.
5. THE BUILDING WILL BE A FULLY SPRINKLERED. FIRE PROTECTION CONTRACTOR SHALL DESIGN THE COMPLETE SYSTEM ACCORDING TO THE CRITERIA OUTLINED ON THE DRAWINGS, IN THE SPECIFICATIONS, N.F.P.A. 13 AND N.F.P.A. 14. THE ENTIRE BUILDING SHALL BE PROTECTED BY A WET PIPE SPRINKLER SYSTEM
6. FIRE PROTECTION CONTRACTOR SHALL PREPARE ALL DRAWINGS AND APPLICATIONS REQUIRED TO OBTAIN APPROVAL OF THE SYSTEM BY OWNERS INSURANCE UNDERWRITER, STATE AND LOCAL AUTHORITIES HAVING JURISDICTION. ALL DRAWINGS TO BE SUBMITTED DURING CONSTRUCTION.
7. FIRE PROTECTION CONTRACTOR SHALL SUBMIT DRAWINGS WITH ALL SPRINKLER HEAD LOCATIONS. ALL SPRINKLER HEADS TO BE LAID OUT NEATLY WITHIN THE CEILING SYSTEMS AND BE COORDINATED WITH ALL BULKHEADS, CEILINGS AND STRUCTURE. REFERENCE ARCHITECTURAL DRAWINGS FOR CEILING PLANS.
8. ALL PIPING, SIZES, ZONES AND SPRINKLER MAINS SHOWN ON DRAWINGS ARE FOR BIDDING AND DESIGN INTENT ONLY. FIRE PROTECTION CONTRACTOR IS RESPONSIBLE FOR PROPER COVERAGE AND CAPACITY OF THE SPRINKLER SYSTEM.
9. SPRINKLER PIPING SHALL NOT BE ROUTED THRU ANY TECHNOLOGY EQUIPMENT ROOMS (TR OR ER), USE SIDEWALL SPRINKLER HEADS WITH GUARDS TO SERVE THE ROOM.
10. REFER TO SPECIFICATION 231123 FOR NATURAL GAS PIPING SYSTEM.
11. THE WORK INDICATED ON THE DRAWINGS IS BASED ON EXISTING DRAWINGS AND FIELD VERIFICATION. THE DRAWINGS INDICATE REQUIRED PIPE SIZES AND ALL NECESSARY OFFSETS MAY NOT BE SHOWN. THE CONTRACTOR SHALL AVOID OBSTRUCTION, PRESERVE HEADROOM AND MAINTAIN MAXIMUM CLEARANCES WITHOUT FURTHER INSTRUCTION FROM THE ARCHITECT/ENGINEER OR ADDITIONAL COST TO THE OWNER.
12. MARK ALL LOCATIONS OF VALVES ON CEILING GRID WITH ENGRAVED PLASTIC LABELS.
13. PROVIDE B-LINE "DURA-BLOK" (OR EQUAL BY MIRO) PIPE SUPPORTS FOR ALL GAS PIPING. 10'-0" ON CENTER AND ON EACH OF THE ELBOWS AND TEES. FASTEN PIPE TO SUPPORTS.
14. PAINT ALL EXPOSED GAS PIPE SAFETY YELLOW WITH OIL BASED PAINT.

PIPING SYSTEMS

140° HW	140° DOMESTIC HOT WATER
140° HWR	140° DOMESTIC HOT WATER RETURN
160° HW	160° DOMESTIC HOT WATER
160° HWR	160° DOMESTIC HOT WATER RETURN
AV	ACID RESISTANT VENT
AW	ACID RESISTANT WASTE
AIR	AIR
CA	COMBUSTION AIR
CW	DOMESTIC COLD WATER
HW	DOMESTIC HOT WATER
HWR	DOMESTIC HOT WATER RETURN
EA	EXHAUST AIR
FPD	FIRE PROTECTION DRY
FP	FIRE PROTECTION OTHER
FPPA	FIRE PROTECTION PRE-ACTION
FPW	FIRE PROTECTION WET
G (6 in-wc)	GAS (6" w.c.)
G (11 in-wc)	GAS (11" w.c.)
G (2 psig)	GAS (2 psig)
G (5 psig)	GAS (5 psig)
GW	GREASE WASTE
LA	LAB AIR
LCW	LAB COLD WATER
LHW	LAB HOT WATER
LHR	LAB HOT WATER RETURN
LVAC	LAB VACUUM
LVE	LAB VACUUM EXHAUST
N2	NITROGEN
PWR	PURE WATER RETURN
PWS	PURE WATER SUPPLY
RCW	RAW COLD WATER
RO	REVERSE OSMOSIS WATER
ROR	REVERSE OSMOSIS WATER RETURN
SCW	SOFT COLD WATER
SHW	SOFT HOT WATER
ST	STORM
TW	TEMPERED WATER
VAC	VACUUM
V	VENT
W	WASTE

GENERAL VALVES & FITTINGS

	RISE IN PIPING
	DROP IN PIPING
	CAPPED PIPE
	PIPE CONTINUED ON ANOTHER DRAWING
	CHECK VALVE
	PLUG VALVE
	PRESSURE REGULATING VALVE
	VALVE - SEE SPECIFICATIONS FOR VALVE TYPE
	BUTTERFLY VALVE
	ANGLE VALVE
	MANUAL BALANCING VALVE
	AUTOMATIC BALANCING VALVE
	TWO-WAY CONTROL VALVE
	THREE-WAY CONTROL VALVE
	UNION
	THERMOMETER WELL
	THERMOMETER & WELL
	GAUGE CONNECTION(S) & WELL
	MANUAL AIR VENT
	AUTOMATIC AIR VENT
	PETE'S PLUG
	Y-STRAINER W/BLOWDOWN VALVE & CAP
	PIPE GUIDES
	PIPE ANCHORS
	FLEXIBLE PIPING CONNECTOR
	PIPE EXPANSION JOINT
	GAS COCK
A	VACUUM BREAKER (P) = PRESSURE
	DOMESTIC COLD WATER VALVE BOX
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
	PRESSURE REDUCING VALVE

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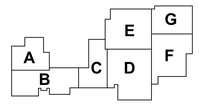
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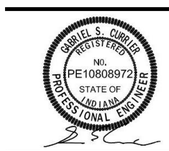
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PLUMBING SYMBOLS AND ABBREVIATIONS

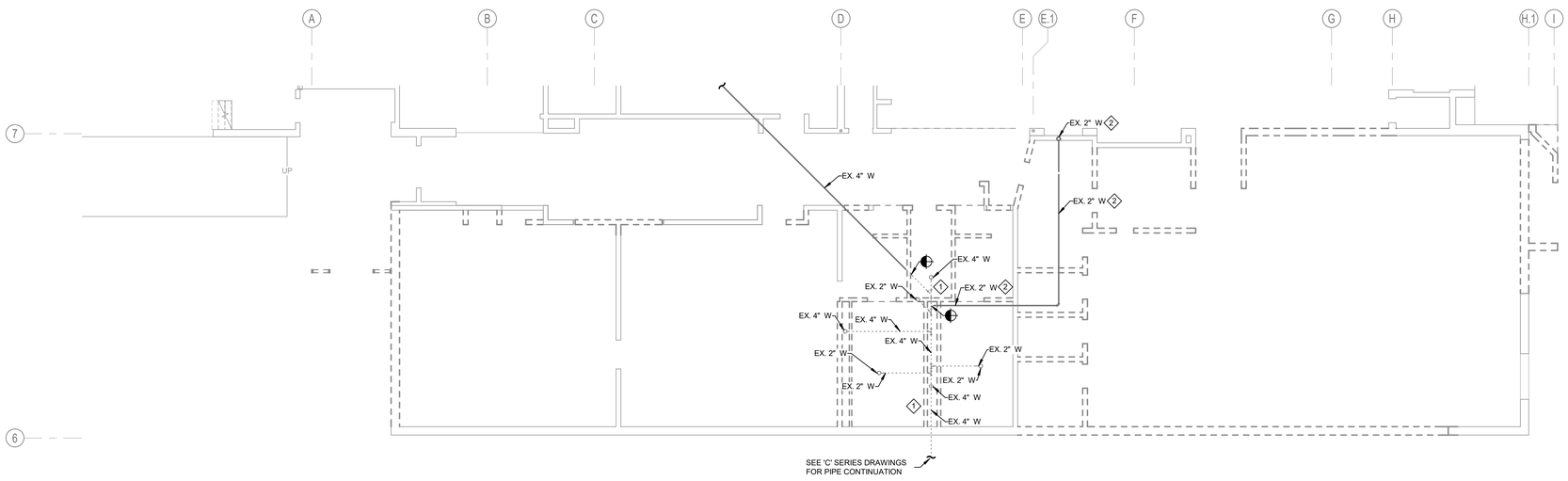
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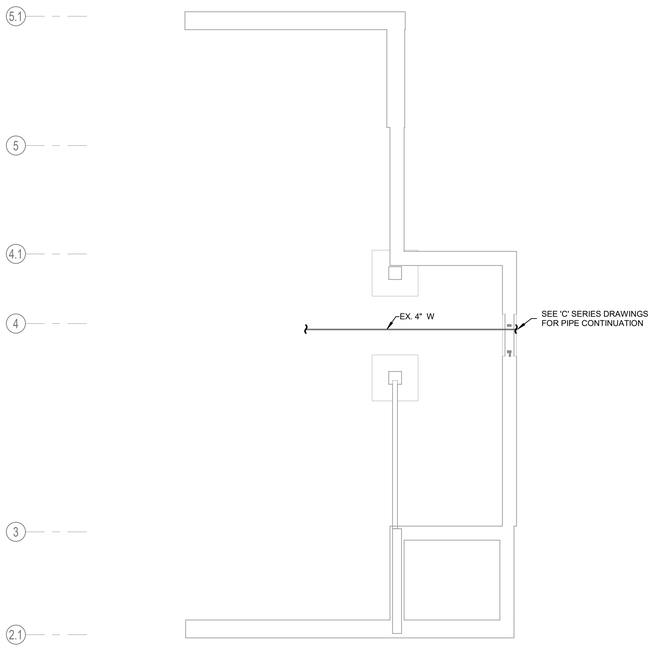
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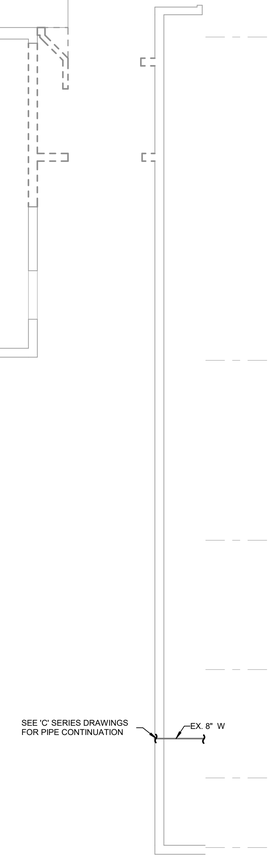
DEMOLITION FOUNDATION PLAN NOTES

1 ABANDON PIPE AND FILL WITH FLOWABLE FILL.
2 THIS PIPE ROUTING IS ASSUMED. CONTRACTOR TO VERIFY EXACT PIPE ROUTING AND PIPE SIZE PRIOR TO THE START OF ANY WORK.









1 PLUMBING DEMOLITION FOUNDATION PLAN - AREA D
1/8" = 1'-0"

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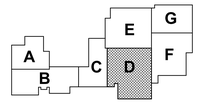
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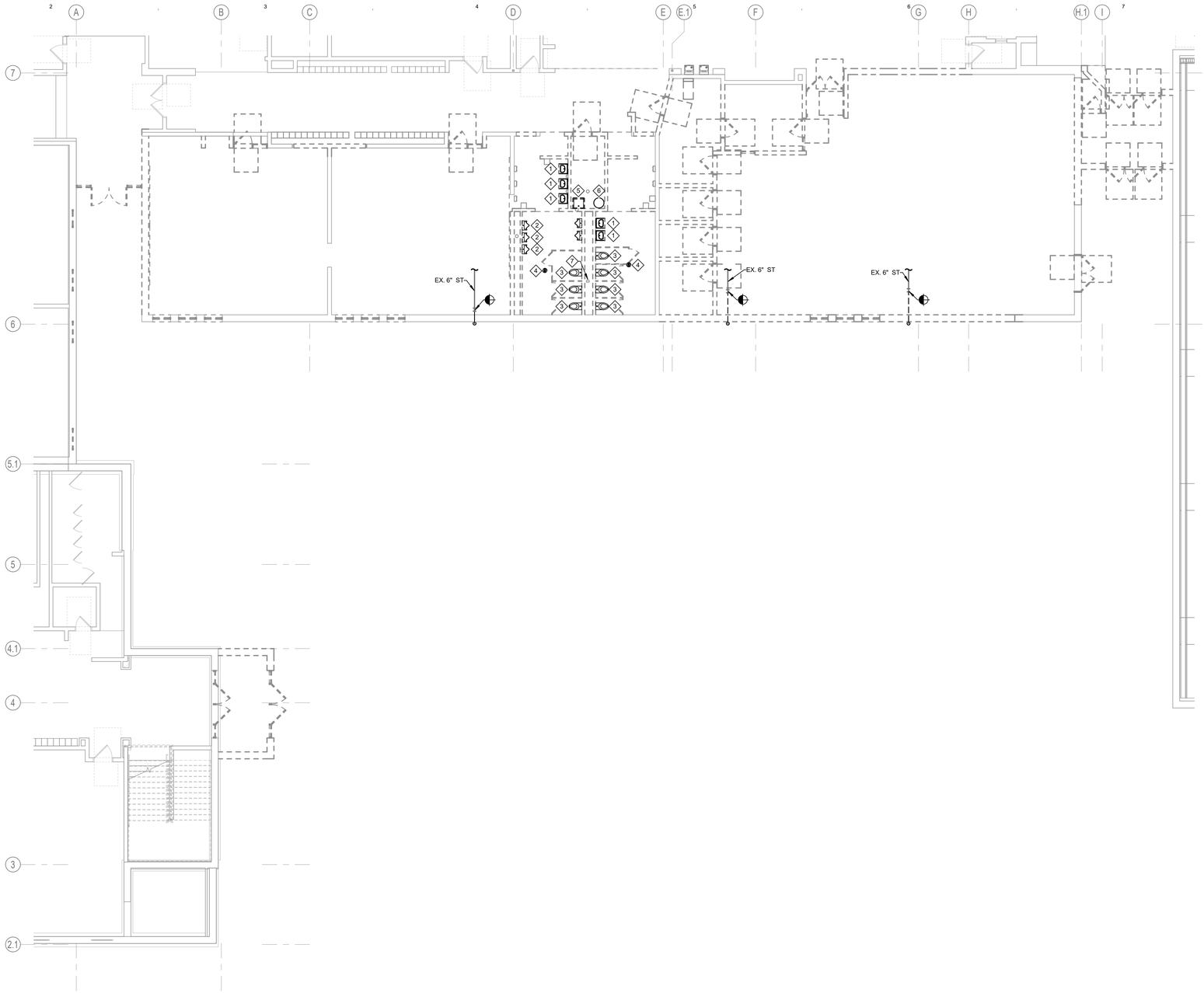
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PLUMBING DEMOLITION FOUNDATION PLAN - AREA D

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

PD101



◇ DEMOLITION PLAN NOTES

1. REMOVE EXISTING LAVATORY AND CARRIER COMPLETE. REMOVE ALL ASSOCIATED HOT WATER, COLD WATER, AND VENT PIPING COMPLETE. REMOVE ASSOCIATED WASTE PIPING TO BELOW FLOOR AND CAP. PATCH FLOOR TO MATCH EXISTING.
2. REMOVE EXISTING URINAL AND CARRIER COMPLETE. REMOVE ALL ASSOCIATED COLD WATER AND VENT PIPING COMPLETE. REMOVE ASSOCIATED WASTE PIPING TO BELOW FLOOR AND CAP. PATCH FLOOR TO MATCH EXISTING.
3. REMOVE EXISTING WATER CLOSET AND CARRIER COMPLETE. REMOVE ALL ASSOCIATED COLD WATER AND VENT PIPING COMPLETE. REMOVE ASSOCIATED WASTE PIPING TO BELOW FLOOR AND CAP. PATCH FLOOR TO MATCH EXISTING.
4. REMOVE EXISTING FLOOR DRAIN COMPLETE. REMOVE ASSOCIATED WASTE PIPING TO BELOW FLOOR AND CAP. PATCH FLOOR TO MATCH EXISTING.
5. REMOVE EXISTING SINK COMPLETE. REMOVE ALL ASSOCIATED HOT WATER, COLD WATER, AND VENT PIPING COMPLETE. REMOVE ASSOCIATED WASTE PIPING TO BELOW FLOOR AND CAP. PATCH FLOOR TO MATCH EXISTING.
6. REMOVE EXISTING WATER HEATER COMPLETE. REMOVE ALL ASSOCIATED HOT WATER AND COLD WATER PIPING COMPLETE.
7. REMOVE EXISTING VENT PIPING COMPLETE. REMOVE ASSOCIATED VENT THROUGH ROOF AND PATCH ROOF TO MATCH EXISTING.
8. REMOVE EXISTING WATER CLOSET COMPLETE. REMOVE ALL ASSOCIATED COLD WATER AND VENT PIPING COMPLETE. REMOVE ASSOCIATED WASTE PIPING TO BELOW FLOOR AND CAP. PATCH FLOOR TO MATCH EXISTING.
9. REMOVE ALL EXISTING SHOWER HEADS COMPLETE. REMOVE ASSOCIATED COLD WATER AND HOT WATER PIPING COMPLETE.
10. REMOVE EXISTING WATER CLOSET PIPING COMPLETE. REMOVE ALL ASSOCIATED COLD WATER AND VENT PIPING COMPLETE. REMOVE ASSOCIATED WASTE PIPING TO BELOW FLOOR AND CAP. PATCH FLOOR TO MATCH EXISTING.

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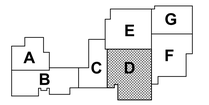
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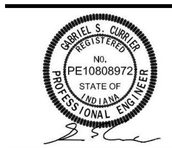
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PLUMBING DEMOLITION MAIN LEVEL PLAN - AREA D

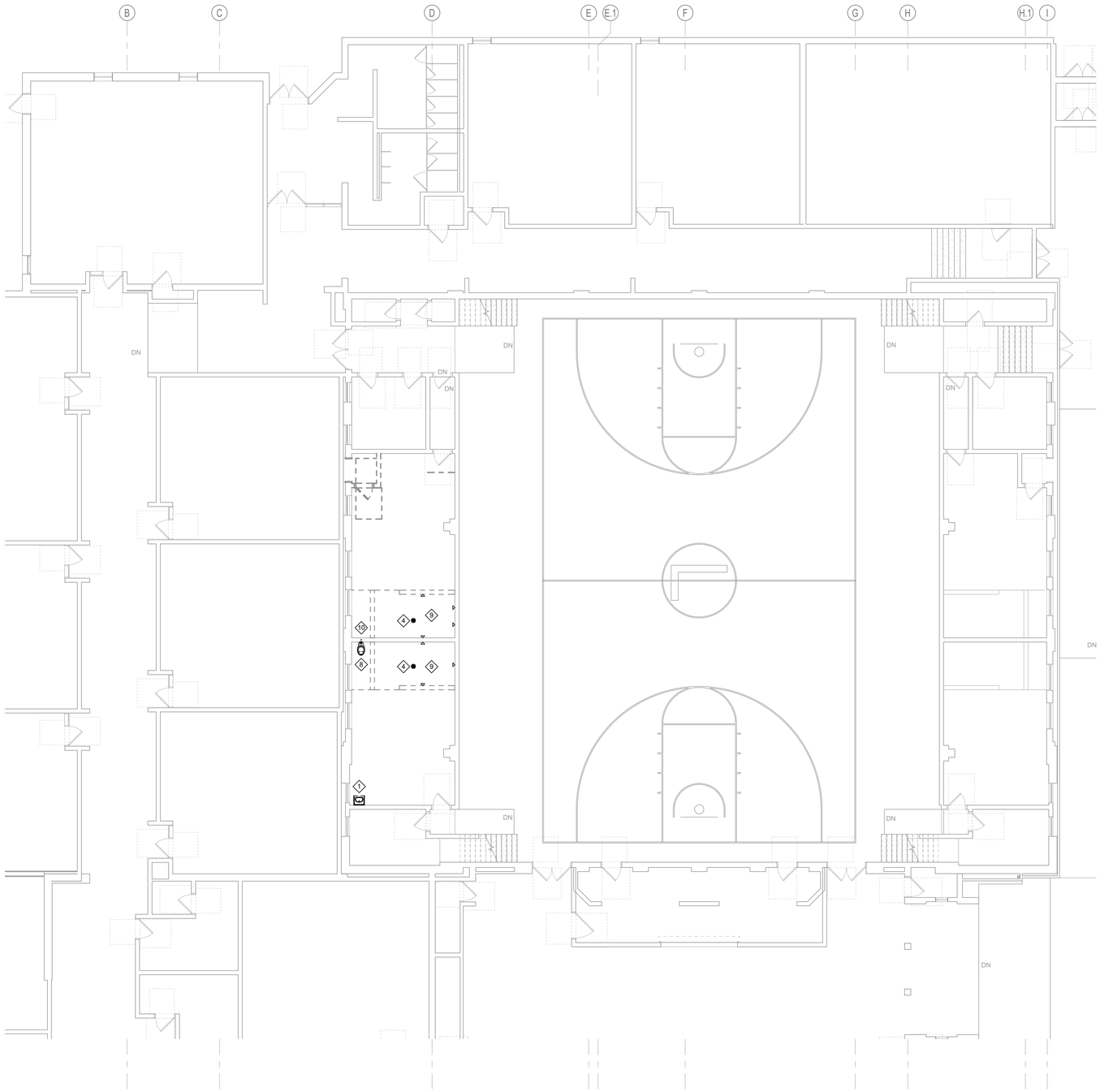
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PD102

1 PLUMBING DEMOLITION MAIN LEVEL PLAN - AREA D
1/8" = 1'-0"

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Revised: 09/25/2026 10:15:47 PM
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◇ DEMOLITION PLAN NOTES

1 REMOVE EXISTING LAVATORY AND CARRIER COMPLETE. REMOVE ALL ASSOCIATED HOT WATER, COLD WATER, AND VENT PIPING COMPLETE. REMOVE ASSOCIATED WASTE PIPING TO BELOW FLOOR AND CAP. PATCH FLOOR TO MATCH EXISTING.

2 REMOVE EXISTING URINAL AND CARRIER COMPLETE. REMOVE ALL ASSOCIATED COLD WATER AND VENT PIPING COMPLETE. REMOVE ASSOCIATED WASTE PIPING TO BELOW FLOOR AND CAP. PATCH FLOOR TO MATCH EXISTING.

3 REMOVE EXISTING WATER CLOSET AND CARRIER COMPLETE. REMOVE ALL ASSOCIATED COLD WATER AND VENT PIPING COMPLETE. REMOVE ASSOCIATED WASTE PIPING TO BELOW FLOOR AND CAP. PATCH FLOOR TO MATCH EXISTING.

4 REMOVE EXISTING FLOOR DRAIN COMPLETE. REMOVE ASSOCIATED WASTE PIPING TO BELOW FLOOR AND CAP. PATCH FLOOR TO MATCH EXISTING.

5 REMOVE EXISTING SINK COMPLETE. REMOVE ALL ASSOCIATED HOT WATER, COLD WATER, AND VENT PIPING COMPLETE. REMOVE ASSOCIATED WASTE PIPING TO BELOW FLOOR AND CAP. PATCH FLOOR TO MATCH EXISTING.

6 REMOVE EXISTING WATER HEATER COMPLETE. REMOVE ALL ASSOCIATED HOT WATER AND COLD WATER PIPING COMPLETE.

7 REMOVE EXISTING VENT PIPING COMPLETE. REMOVE ASSOCIATED VENT THROUGH ROOF AND PATCH ROOF TO MATCH EXISTING.

8 REMOVE EXISTING WATER CLOSET COMPLETE. REMOVE ALL ASSOCIATED COLD WATER AND VENT PIPING COMPLETE. REMOVE ASSOCIATED WASTE PIPING TO BELOW FLOOR AND CAP. PATCH FLOOR TO MATCH EXISTING.

9 REMOVE ALL EXISTING SHOWER HEADS COMPLETE. REMOVE ASSOCIATED COLD WATER AND HOT WATER PIPING COMPLETE.

10 REMOVE EXISTING WATER CLOSET PIPING COMPLETE. REMOVE ALL ASSOCIATED COLD WATER AND VENT PIPING COMPLETE. REMOVE ASSOCIATED WASTE PIPING TO BELOW FLOOR AND CAP. PATCH FLOOR TO MATCH EXISTING.

1 **PLUMBING DEMOLITION MAIN LEVEL PLAN - AREA E**
1/8" = 1'-0"

Linton-Stockton Addition and Renovation

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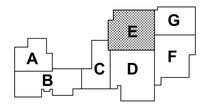
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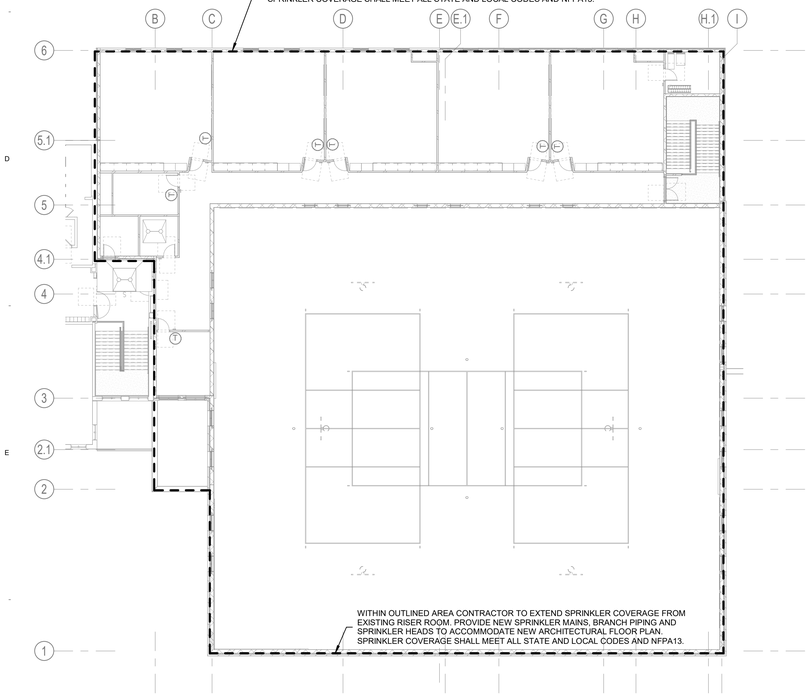
PLUMBING DEMOLITION MAIN LEVEL PLAN- AREA E

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

PD103

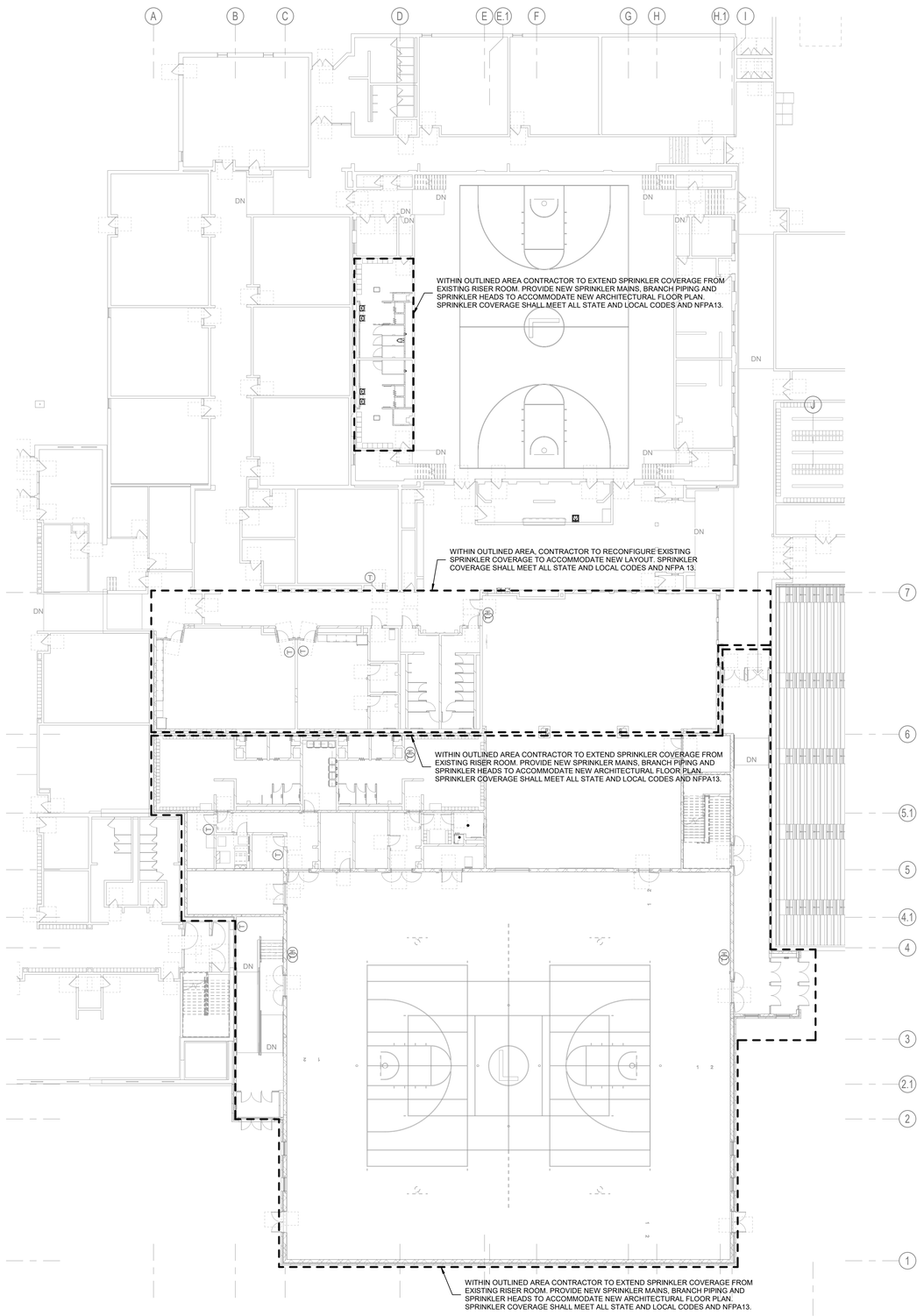
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2 FIRE PROTECTION UPPER LEVEL FLOOR PLAN - AREA D

1/16" = 1'-0"



1 FIRE PROTECTION MAIN LEVEL PLAN - AREAS D AND E

1/16" = 1'-0"

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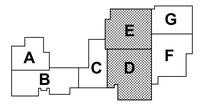
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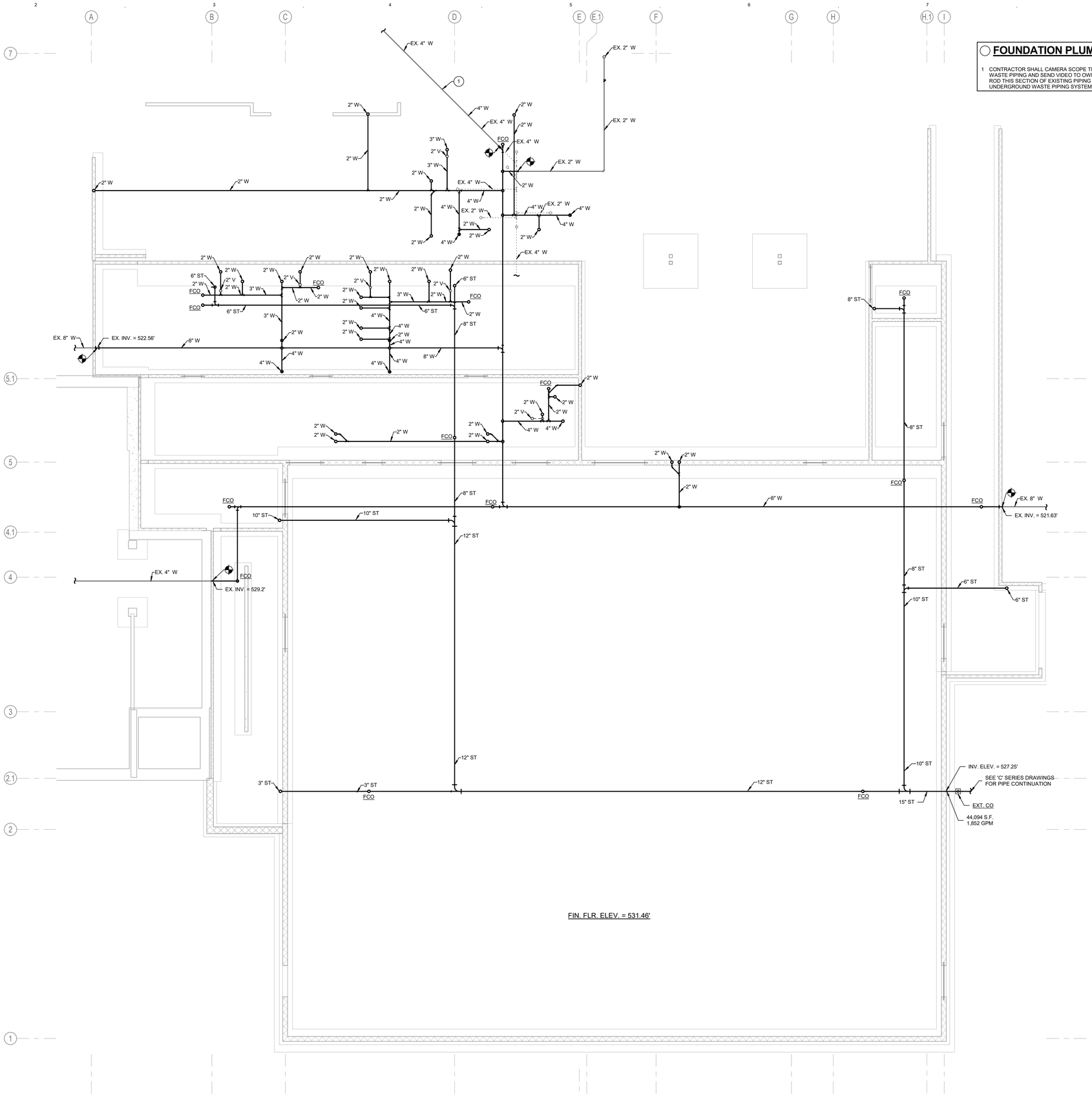
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FIRE PROTECTION PLANS

Scale: 1/16" = 1'-0"

FP101



FOUNDATION PLUMBING PLAN NOTES

1 CONTRACTOR SHALL CAMERA SCOPE THIS SECTION OF EXISTING UNDERGROUND WASTE PIPING AND SEND VIDEO TO OWNER AND ARCHITECT. WATER-JET AND OR ROD THIS SECTION OF EXISTING PIPING TO ENSURE PROPER FLOW INTO NEW UNDERGROUND WASTE PIPING SYSTEM

1 **PLUMBING FOUNDATION PLAN - AREA D**
1/8" = 1'-0"

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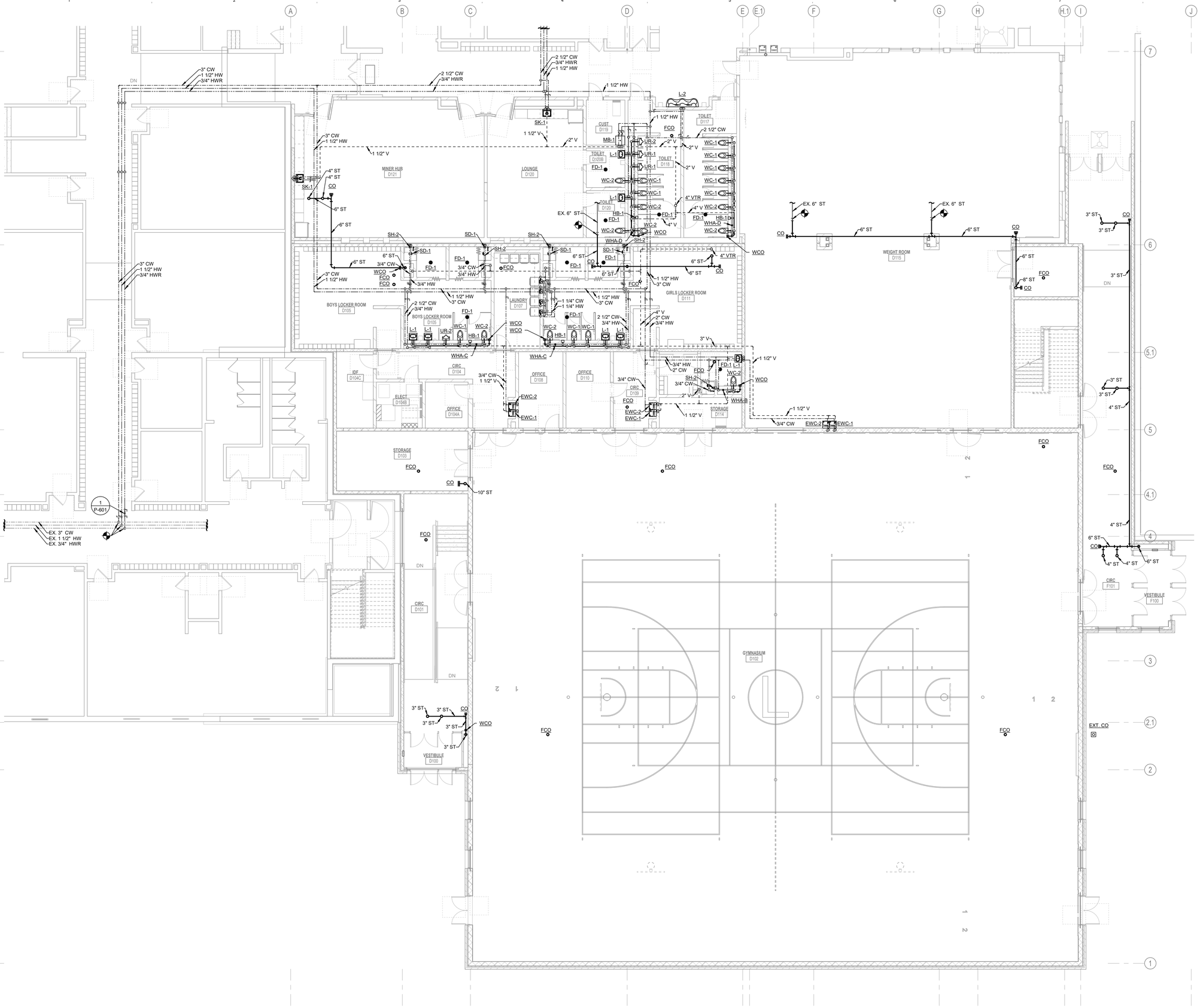
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PLUMBING FOUNDATION PLAN - AREA D

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

PF101

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PLUMBING MAIN LEVEL FLOOR PLAN - AREA D

1 PLUMBING MAIN LEVEL FLOOR PLAN - AREA D
1/8" = 1'-0"

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PLUMBING MAIN LEVEL FLOOR PLAN - AREA D

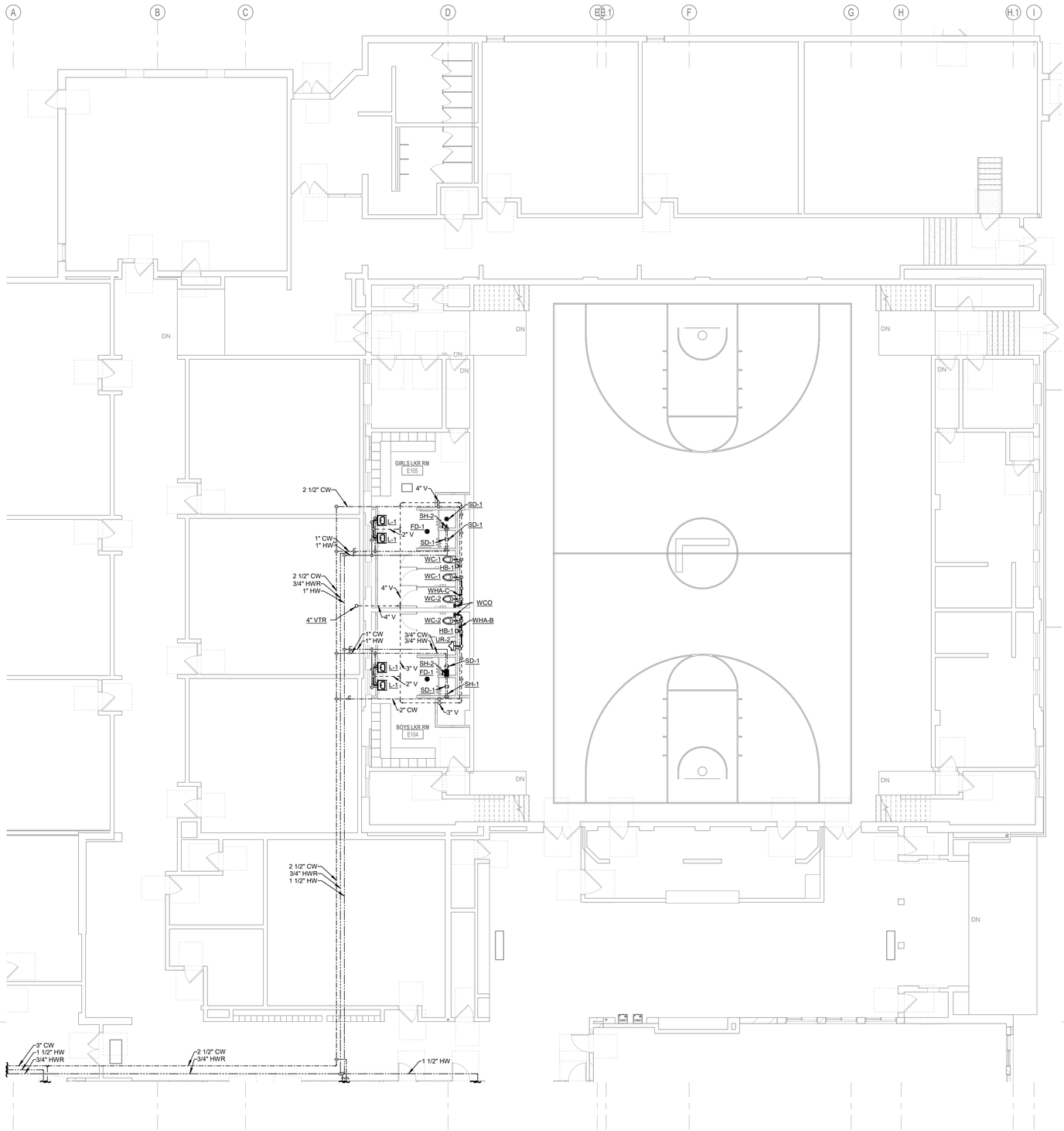
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PP101

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PLUMBING DESIGN NOTES

1. NO EXISTING DRAWINGS ARE AVAILABLE FOR THE UNDERGROUND PIPING IN THIS AREA. CONTRACTOR SHALL INVESTIGATE WITH CAMERA SCOPE TO LOCATE NEAREST UNDERGROUND WATER PIPING AND REPORT FINDINGS TO ARCHITECT/ENGINEER. PROVIDE PRICING IN BASE BID TO CONNECT TO UNDERGROUND PIPING WITHIN THIS AREA. REFER TO PLUMBING DEMOLITION DRAWING PD103 FOR EXISTING FIXTURE LOCATIONS TO BEGIN INVESTIGATIONS OF EXISTING UNDERGROUND PIPING LOCATIONS.



Linton-Stockton Addition and Renovation

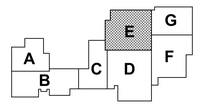
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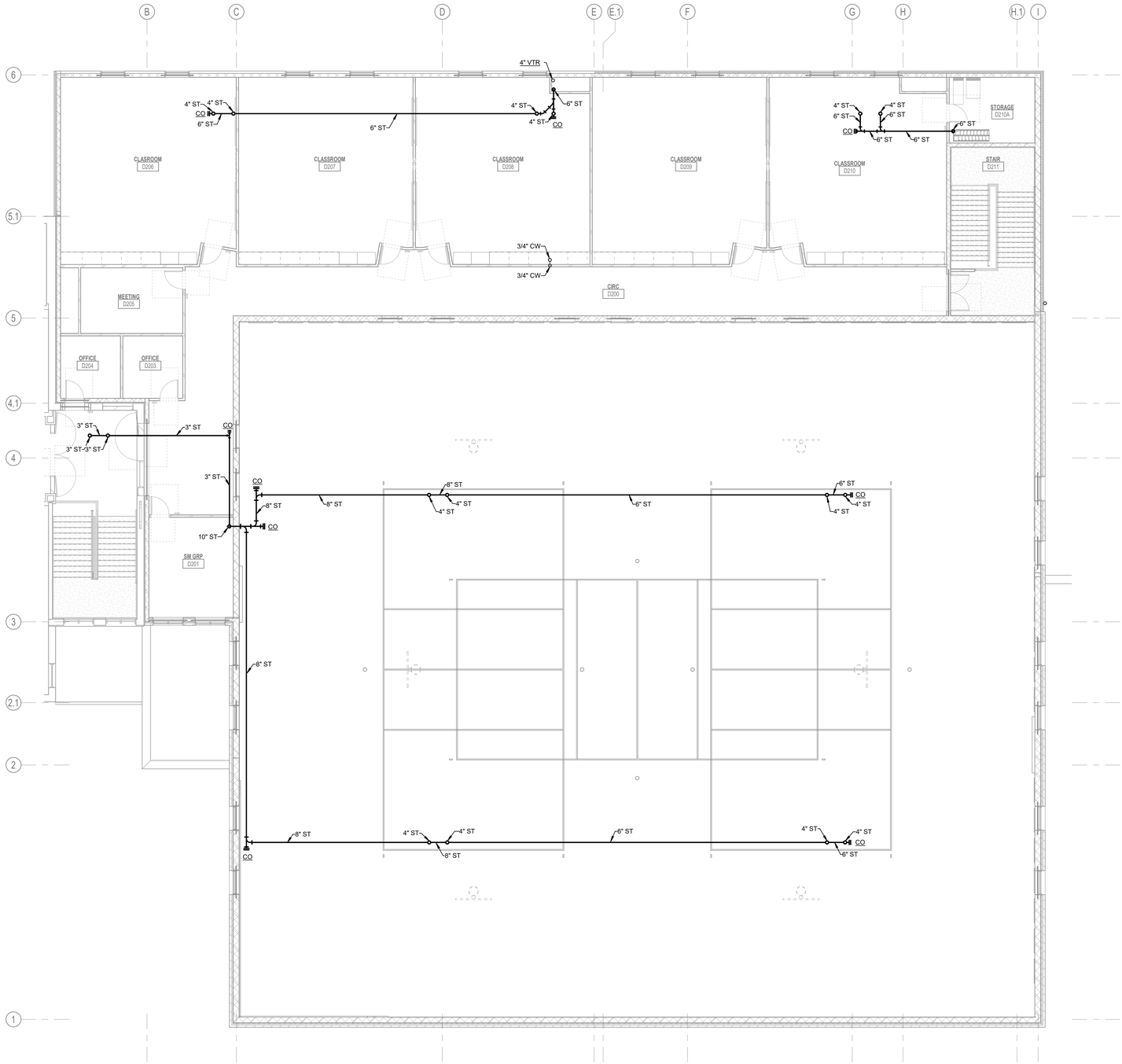
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PLUMBING MAIN LEVEL FLOOR PLAN - AREA E

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

PP102

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1 PLUMBING UPPER LEVEL FLOOR PLAN - AREA D
1/8" = 1'-0"

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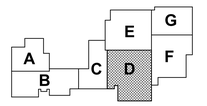
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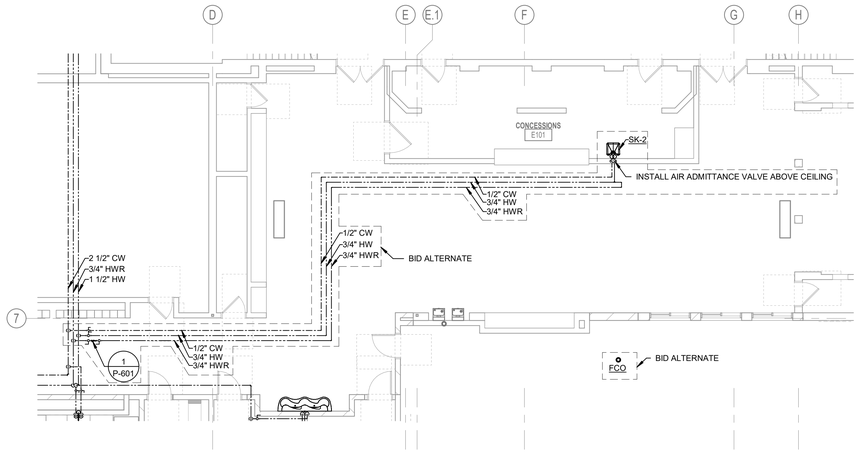
PLUMBING UPPER LEVEL FLOOR PLAN - AREA D

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

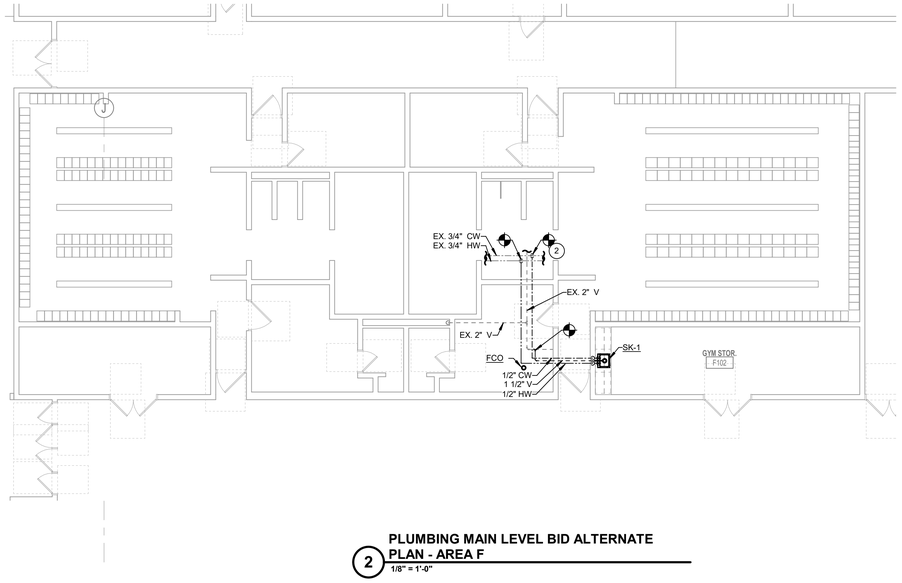
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ALTERNATE BID PLUMBING PLAN NOTES

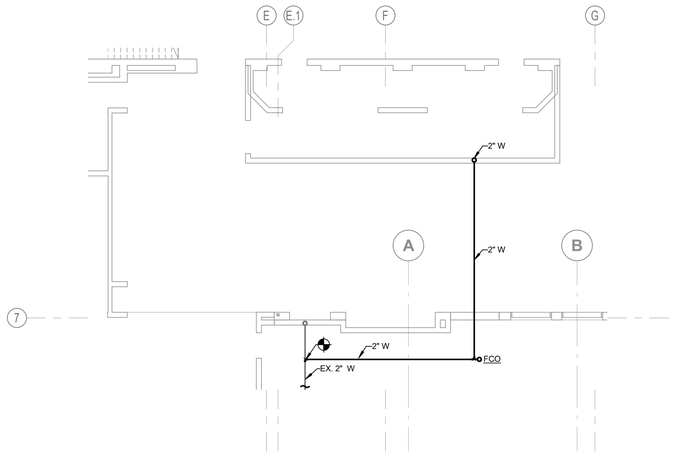
1. EXISTING WASTE PIPING LOCATION IS ASSUMED. CONTRACTOR TO VERIFY EXACT SIZE AND LOCATION PRIOR TO THE START OF ANY WORK.
2. EXISTING DOMESTIC WATER PIPING LOCATION IS ASSUMED. CONTRACTOR TO VERIFY EXACT SIZE AND LOCATION PRIOR TO THE START OF ANY WORK.



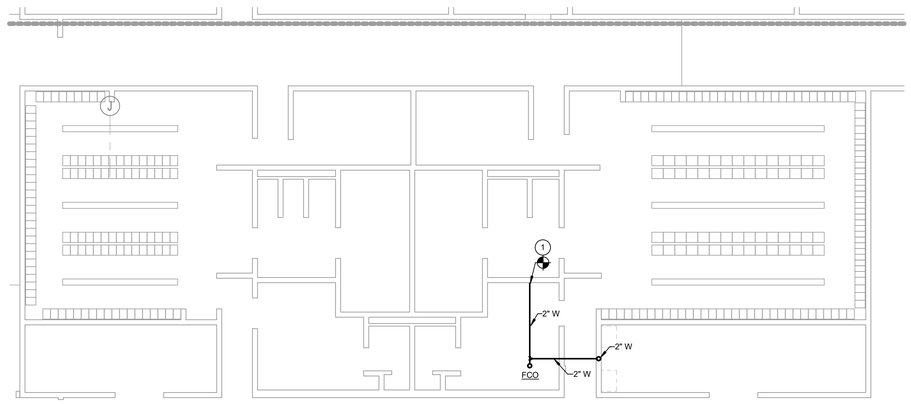
4 PLUMBING MAIN LEVEL BID ALTERNATE PLAN - UNIT E
1/8" = 1'-0"



2 PLUMBING MAIN LEVEL BID ALTERNATE PLAN - AREA F
1/8" = 1'-0"



3 PLUMBING FOUNDATION BID ALTERNATE - UNIT E
1/8" = 1'-0"



1 PLUMBING FOUNDATION BID ALTERNATE PLAN - AREA F
1/8" = 1'-0"

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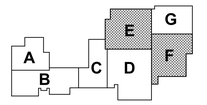
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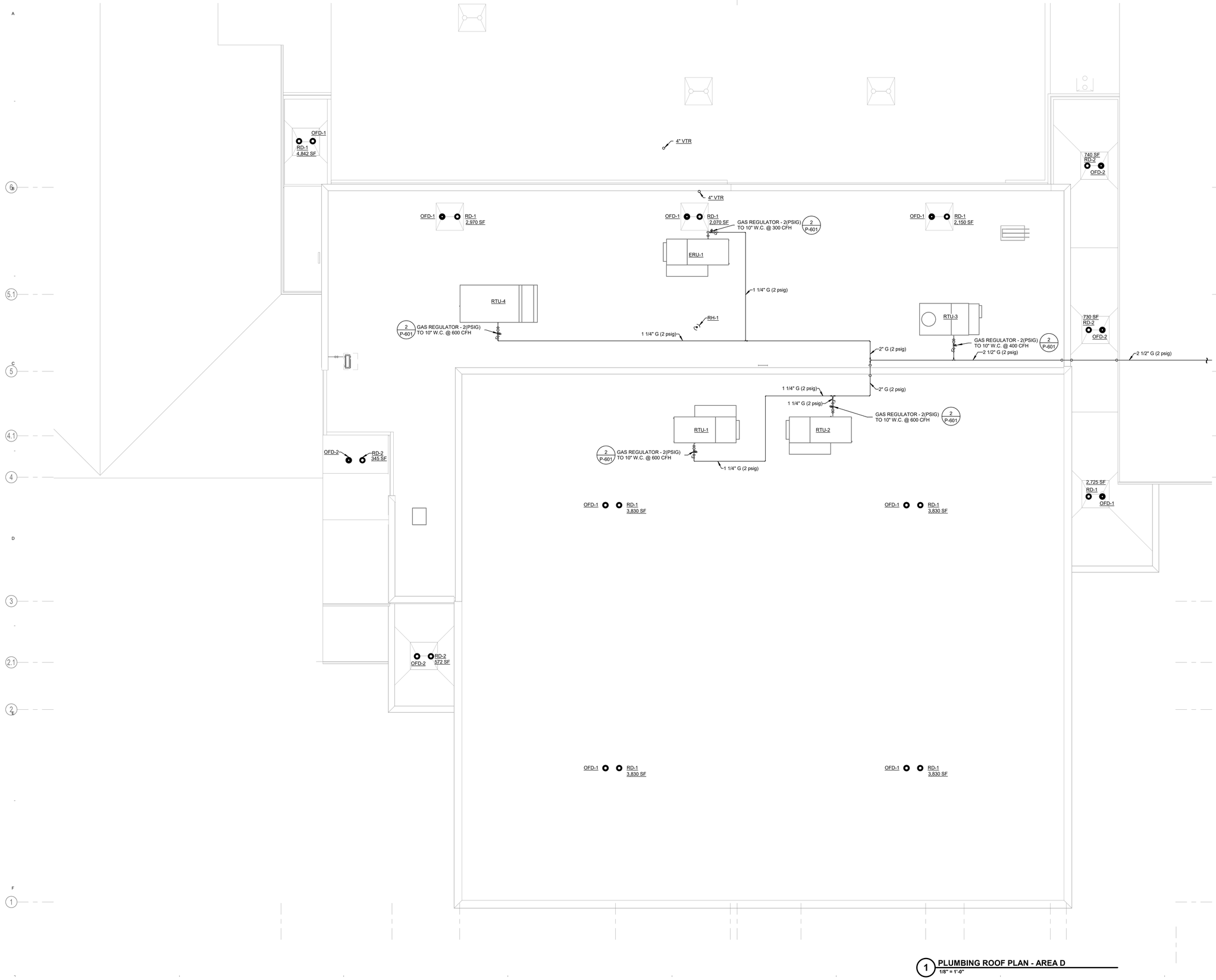
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PLUMBING BID ALTERNATE PLANS

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

PP201



1 PLUMBING ROOF PLAN - AREA D
1/8" = 1'-0"

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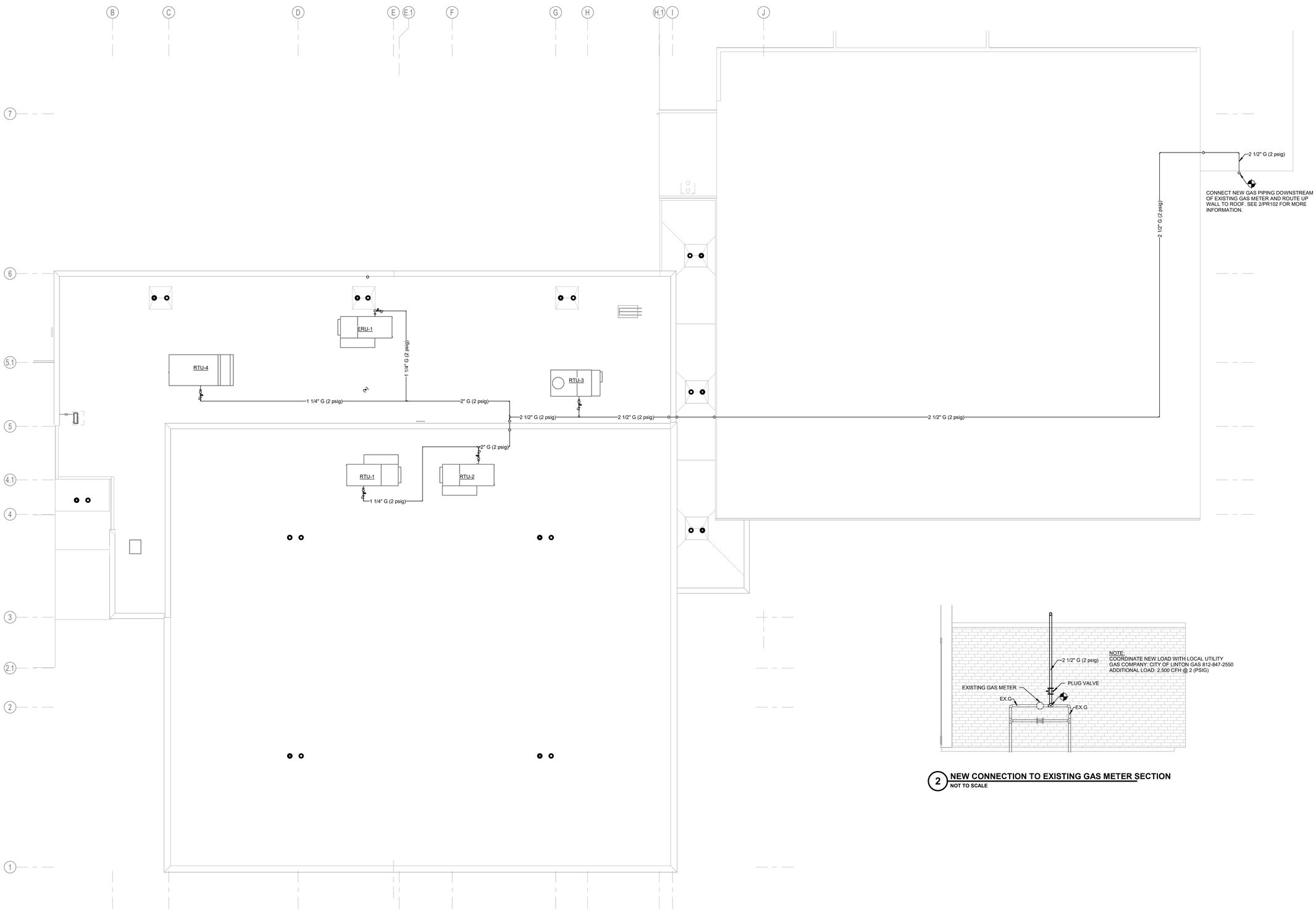
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PLUMBING ROOF PLAN - AREA D

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

PR101

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1 GAS PIPE ROUTING ROOF PLAN
1" = 10'-0"

2 NEW CONNECTION TO EXISTING GAS METER SECTION
NOT TO SCALE

Linton-Stockton Addition and Renovation

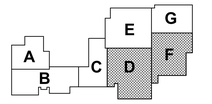
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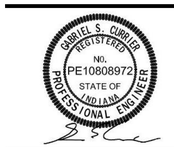
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GAS PIPE ROUTING ROOF PLAN

Scale: As indicated

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COMMERCIAL WATER CLOSET SCHEDULE (224213.13)

FIXTURE				FLUSHOMETER				FIXTURE CONNECTION					
MARK	MANUFACTURER	MODEL	DESCRIPTION	MANUFACTURER	MODEL	OPERATION	TOILET SEAT	CW	W	V	MOUNTING (FLOOR TO RIM)	ADA COMPLIANT	NOTES
WC-1	AMERICAN STANDARD	AFWALL #2257.101	WALL-MOUNTED, TOP SPUD WATER CLOSET	SLOAN	REGAL #111-1.6	MANUAL	CLOSED BACK, OPEN FRONT	1"	4"	2"	15"	No	
WC-2	AMERICAN STANDARD	AFWALL #2257.101	WALL-MOUNTED, TOP SPUD, ACCESSIBLE WATER CLOSET	SLOAN	REGAL #111-1.6	MANUAL	CLOSED BACK, OPEN FRONT	1"	4"	2"	17"	Yes	

COMMERCIAL URINAL SCHEDULE (224213.16)

FIXTURE				FLUSHOMETER			FIXTURE CONNECTION						
MARK	MANUFACTURER	MODEL	DESCRIPTION	MANUFACTURER	MODEL	OPERATION	CW	W	V	MOUNTING (FLOOR TO RIM)	ADA COMPLIANT	NOTES	
UR-1	AMERICAN STANDARD	WASHBROOK #6590.001	WALL-HUNG, BACK OUTLET, WASHOUT, ACCESSIBLE	SLOAN	REGAL #186-1.0	MANUAL	3/4"	2"	1 1/2"	24"	No		
UR-2	AMERICAN STANDARD	WASHBROOK #6590.001	WALL-HUNG, BACK OUTLET, WASHOUT, ACCESSIBLE	SLOAN	REGAL #186-1.0	MANUAL	3/4"	2"	1 1/2"	17"	Yes		

COMMERCIAL LAVATORY SCHEDULE (224216.13)

FIXTURE				FAUCET			FIXTURE CONNECTION						
MARK	MANUFACTURER	MODEL	DESCRIPTION	MANUFACTURER	MODEL	OPERATION	CW	HW	W	V	MOUNTING (FLOOR TO RIM)	ADA COMPLIANT	NOTES
L-1	AMERICAN STANDARD	LUCERNE #0355.012	VITREOUS CHINA, WALL MOUNTED, WITH BACK	CHICAGO FAUCET	#802-VE66XKABCP	MANUAL	1/2"	1/2"	1 1/2"	1 1/2"	34"	Yes	
L-2	BRADLEY	#MG-3	THREE-COMPARTMENT, SOLID-SURFACE, WASH FOUNTAIN	N/A	N/A	MANUAL	1/2"	1/2"	1 1/2"	1 1/2"	34"	Yes	

COMMERCIAL SINK SCHEDULE (224216.16)

FIXTURE				FAUCET		FIXTURE CONNECTION						
MARK	MANUFACTURER	MODEL	DESCRIPTION	MANUFACTURER	MODEL	CW	HW	W	V	MOUNTING	ADA COMPLIANT	NOTES
MB-1	ZURN	#Z1996-24	MOLDED STONE, FLOOR MOUNTED (RECESSED) MOP BASIN	CHICAGO FAUCET	#897-RCF	3/4"	3/4"	3"	1 1/2"	FLOOR MOUNTED		
SK-1	ELKAY	#LRAD221955	STAINLESS STEEL, ONE BOWL, COUNTER MOUNTED SINK	CHICAGO FAUCET	#527-GN8AE3-317ABCP	1/2"	1/2"	1 1/2"	1 1/2"	34"	Yes	
SK-2	E.L. MUSTEE	#14 UTILATUB	FLOOR MOUNTED LAUNDRY/UTILITY TUB	E.L. MUSTEE	#93.600	1/2"	1/2"	1 1/2"	1 1/2"	FLOOR MOUNTED		

BID ALTERNATE

SHOWER SCHEDULE (224223)

FIXTURE				FIXTURE CONNECTION					
MARK	MANUFACTURER	MODEL	DESCRIPTION	CW	HW	W	V	ADA COMPLIANT	NOTES
SH-1	BRADLEY	WS-1WCA-EF-ES-ST-RSD-VS	SURFACE MOUNTED SHOWER	3/4"	3/4"				80" TO FIXED SHOWER HEAD
SH-2	BRADLEY	WS-1WCA-EF-ST-S20-RSD-SL-VS	SURFACE MOUNTED ADA SHOWER/HAND SHOWER TRIM	1/2"	1/2"			Yes	38" MIN. -48" MAX. TO THE CONTROLS. 80" TO THE FIXED SHOWER HEAD.

PRESSURE WATER COOLER SCHEDULE (224716)

IDENTITY DATA				FIXTURE CONNECTION					
MARK	MANUFACTURER	MODEL	DESCRIPTION	CW	W	V	MOUNTING (FLOOR TO BUBBLER)	ADA COMPLIANT	NOTES
EWC-1	ELKAY	#VRCGRN8WSK	ELECTRIC WATER COOLER/BOTTLE FILLER: SATIN FINISHED STAINLESS STEEL BOWL AND CABINET, BOTTLE FILLING UNIT INCLUDES AN ELECTRONIC SENSOR FOR NO-TOUCH ACTIVATION. TRIM: ADJUSTABLE P-TRAP WITH CLEANOUT, 1/2" ANGLE STOP WITH LOOSE KEY HANDLE, 1/2" O.D. CHROME PLATED SUPPLY.	3/4"	1 1/2"	1 1/2"	41" A.F.F.	No	
EWC-2	ELKAY	#VRCGRN8WSK	ELECTRIC WATER COOLER/BOTTLE FILLER: SATIN FINISHED STAINLESS STEEL BOWL AND CABINET, BOTTLE FILLING UNIT INCLUDES AN ELECTRONIC SENSOR FOR NO-TOUCH ACTIVATION. TRIM: ADJUSTABLE P-TRAP WITH CLEANOUT, 1/2" ANGLE STOP WITH LOOSE KEY HANDLE, 1/2" O.D. CHROME PLATED SUPPLY.	3/4"	1 1/2"	1 1/2"	36" A.F.F.	Yes	

DOMESTIC WATER PIPING SPECIALTIES SCHEDULE (221119)

IDENTITY DATA				FIXTURE CONNECTION					
MARK	MANUFACTURER	MODEL	DESCRIPTION	CW	HW	W	V	MOUNTING (FLOOR TO OUTLET)	NOTES
HB-1	ZURN	#Z1330-XL	HOSE BIB WITH RECESSED BOX	3/4"				18" A.F.F.	
RH-1	J.R. SMITH	#5903	NON-FREEZE ROOF HYDRANT	3/4"				DECK MOUNTED	
WMB-1	IPS CORPORATION	#SSWB2	CLOTHES WASHER OUTLET BOX	3/4"	3/4"	2"	1 1/2"	42" A.F.F.	

SANITARY WASTE PIPING SPECIALTIES SCHEDULE (221319)

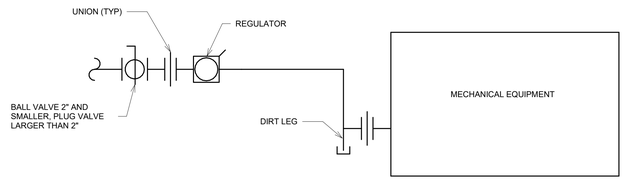
IDENTITY DATA				W	
MARK	MANUFACTURER	MODEL	DESCRIPTION	CONNECTION	NOTES
FD-1	ZURN	#Z415B-ZB	DUCO CAST IRON BODY WITH FLASHING COLLAR, ADJUSTABLE ROUND STRAINER HEAD, POLISHED BRONZE STRAINER	2"	TRAPGUARD BY PROSET, NO SUBSTITUTIONS
SD-1	ZURN	#2415B-ZB	DUCO CAST IRON BODY WITH FLASHING COLLAR, ADJUSTABLE ROUND STRAINER HEAD, POLISHED BRONZE STRAINER	2"	

STORM DRAINAGE PIPING SPECIALTIES SCHEDULE (221423)

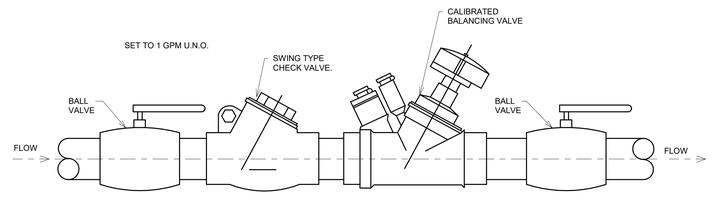
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MARK	MANUFACTURER	MODEL	DESCRIPTION	CONNECTION	NOTES
OFD-1	ZURN	#ZC100-C-EA-R-89	DUCO CAST IRON BODY, FLASHING CLAMP, CAST IRON DOME, CAST IRON WATER DAM	4"	
OFD-2	ZURN	#ZC100-C-EA-R-89	DUCO CAST IRON BODY, FLASHING CLAMP, CAST IRON DOME, CAST IRON WATER DAM	3"	
RD-1	ZURN	#ZC100-C-EA-R	DUCO CAST IRON BODY WITH FLASHING CLAMP AND CAST IRON DOME	4"	
RD-2	ZURN	#ZC100-C-EA-R	DUCO CAST IRON BODY WITH FLASHING CLAMP AND CAST IRON DOME	3"	

WATER HAMMER ARRESTER (221119)

MARK	IPS	F.U. RATING	J.R. SMITH NO.	WADE NO.	ZURN NO.	REMARKS
A	3/4"	1-11	5005	W-5	100	P.D.I. CERTIFIED
B	1"	12-32	5010	W-10	200	P.D.I. CERTIFIED
C	1"	33-60	5020	W-20	300	P.D.I. CERTIFIED
D	1"	61-113	5030	W-50	400	P.D.I. CERTIFIED
E	1"	114-154	5040	W-75	500	P.D.I. CERTIFIED



2 GAS CONNECTION TO MECHANICAL EQUIPMENT DETAIL
NOT TO SCALE



1 BALANCING STATION
NOT TO SCALE

Linton-Stockton Addition and Renovation

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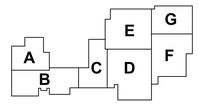
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KEY PLAN

GABRIEL S. CUBILLOS
REGISTERED
NO.
PE10808972
STATE OF
INDIANA
PROFESSIONAL ENGINEER

Revisions		
Description	Date	Num

Comm: 260804037
Date: 09/25/2026
Drawn: IOP
Check: LLP
North

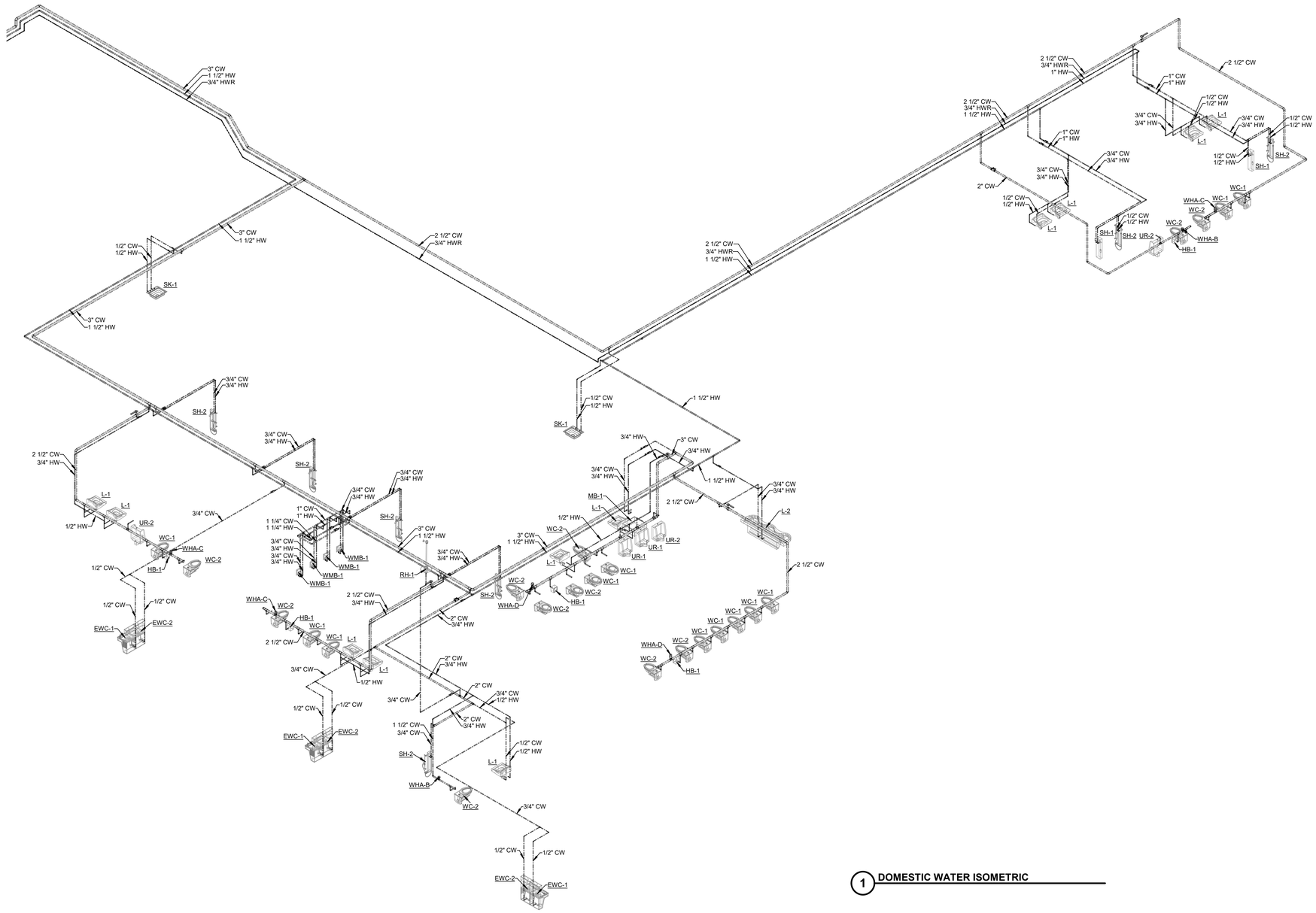
PLUMBING DETAILS AND SCHEDULES

Scale: As indicated

P-601

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1 DOMESTIC WATER ISOMETRIC

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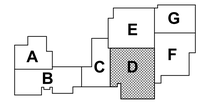
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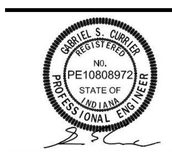
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Description	Date	Num

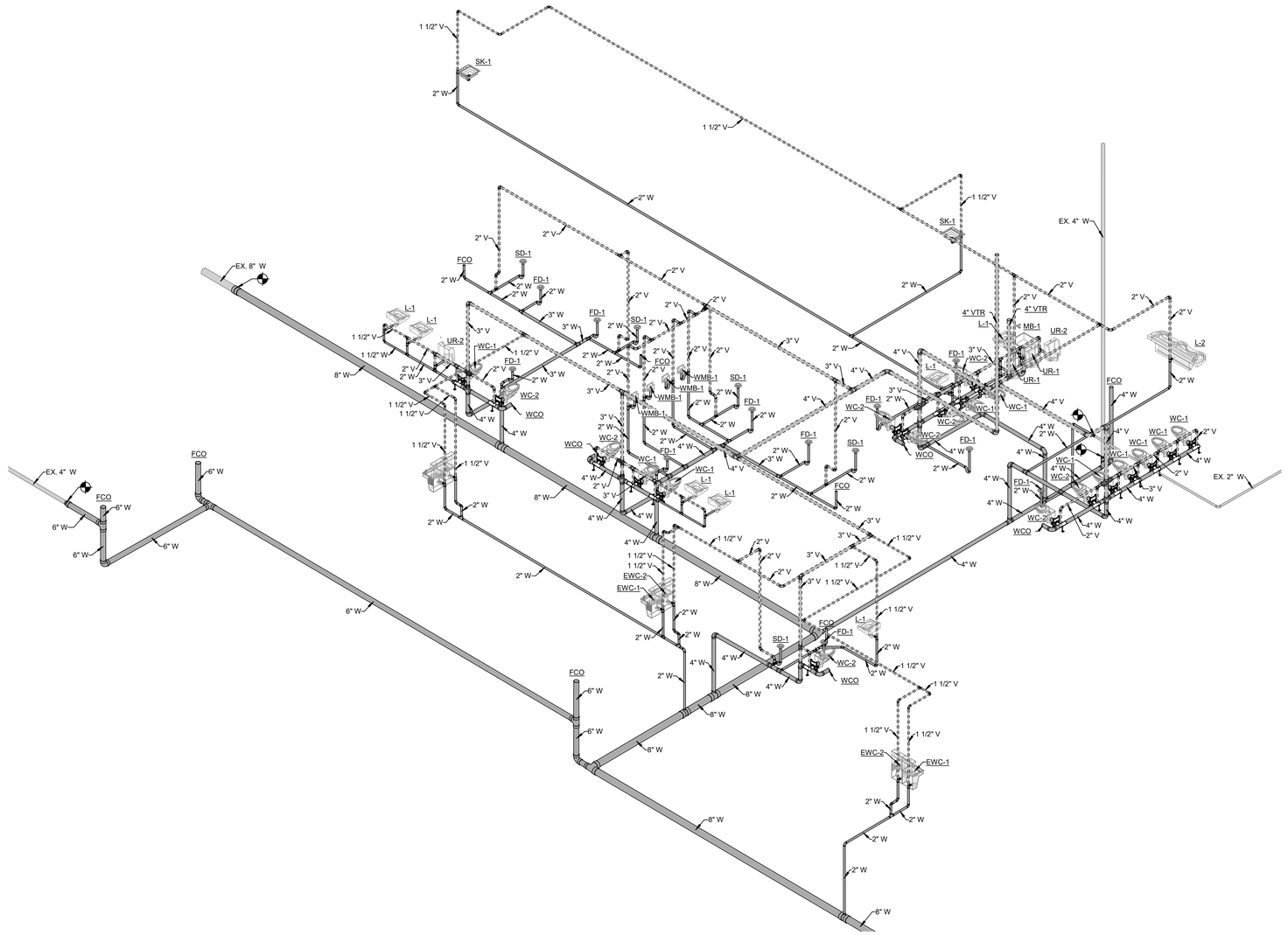
Comm: 260804037
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Check: LLP

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DOMESTIC WATER ISOMETRIC

Scale:

P-901



1 SANITARY WASTE AND VENT ISOMETRIC

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PE10808972
STATE OF
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PROFESSIONAL ENGINEER

Revisions		
Description	Date	Num

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Date: 09/25/2026
Drawn: IOP
Check: LLP
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SANITARY WASTE AND VENT ISOMETRIC

Scale:

P-902

IN

LIGHTING CONTROLS

SYMBOL	MOUNTING	DIMMING TYPE	OCCUPANCY SENSOR TYPE	SWITCH/ BUTTONS	CONTROL DESCRIPTION
D_{D1}	WALL	0-10V	N/A	(1)	- (1) MANUAL SWITCH ON (TO SELECTED LIGHT LEVEL)/OFF - (1) MANUAL LIGHT LEVEL WITH SLIDER
D_{D2}	WALL	0-10V	DUAL TECH.	(1)	- (1) MANUAL SWITCH ON (TO SELECTED LIGHT LEVEL)/OFF - (1) MANUAL LIGHT LEVEL WITH SLIDER - MANUAL ON / AUTO OFF
D_{D3}	WALL	0-10V	N/A	(1)	- THREE-WAY SWITCH - (1) MANUAL SWITCH ON (TO SELECTED LIGHT LEVEL)/OFF - (1) MANUAL LIGHT LEVEL WITH SLIDER
D_{DMX}	WALL	DMX	N/A	MULTI.	- DMX COLOR CHANGING CONTROLLER - NICOLAUDIE STICK-CU4
S_{OS1}	WALL	N/A	DUAL TECH.	(1)	- (1) MANUAL SWITCH ON/OFF - MANUAL ON / AUTO OFF
S_{OS2}	WALL	N/A	DUAL TECH.	(2)	- (2) MANUAL SWITCH ON/OFF - MANUAL ON / AUTO OFF
S_{OS3}	WALL	N/A	DUAL TECH.	(1)	- (1) AUTO ON / AUTO OFF
OS	CEILING	N/A	DUAL TECH.	N/A	- AUTO-ON / AUTO-OFF - TWO RELAYS IN POWER PACK - DISTRIBUTION COVERAGE AS REQUIRED FOR SPACE SIZE
HB	CEILING	N/A	PIR	N/A	- MANUAL OR AUTO-ON / AUTO-OFF - HIGHBAY COVERAGE - TWO RELAYS IN POWER PACK - DISTRIBUTION COVERAGE AS REQUIRED FOR SPACE SIZE
$S	WALL	N/A	N/A	(1)	SINGLE POLE SWITCH
$S_3	WALL	N/A	N/A	(1)	THREE-WAY SWITCH
$S_4	WALL	N/A	N/A	(1)	FOUR-WAY SWITCH
$S_P	WALL	N/A	N/A	(1)	SINGLE POLE SWITCH W/ PILOT LIGHT
$S_{3P}	WALL	N/A	N/A	(1)	THREE-WAY SWITCH WITH PILOT LIGHT
$S_K	WALL	N/A	N/A	N/A	KEY OPERATED SINGLE POLE SWITCH
$S_{3K}	WALL	N/A	N/A	N/A	KEY OPERATED THREE-WAY SWITCH
$S_{4K}	WALL	N/A	N/A	N/A	KEY OPERATED FOUR-WAY SWITCH
$S_T	WALL	N/A	N/A	N/A	SINGLE POLE 12 HOUR MECHANICAL TIMER SWITCH
OS					DARK LINE ADJACENT TO OCCUPANCY SENSOR INDICATES SHIELDING
$$$					TWO OR MORE SWITCHES IN CLOSE PROXIMITY INDICATE A MULTIGANG BOX

FIRE ALARM

SUBSCRIPTS FOR FIRE ALARM SYSTEM DEVICES INDICATE THE FOLLOWING, U.O.N:
S - SURFACE MOUNTED
WP - WEATHERPROOF

PERFORM A COMPLETE SYSTEM TEST OF FIRE ALARM SYSTEM PRIOR TO STARTING DEMOLITION. PERFORM A COMPLETE SYSTEM TEST OF FIRE ALARM SYSTEM AFTER COMPLETION OF CONSTRUCTION.

WALL	CEILING	DESCRIPTION
MP		MANUAL PULL STATION: DOUBLE ACTION
H	H	HORN
H	H	HORN/STROBE
V	V	VISUAL STROBE
S	S	SPEAKER
S	S	SPEAKER/STROBE
B		BELL
B		BELL WITH INDICATOR
F	F	SMOKE DETECTOR: PHOTOELECTRIC
	H	HEAT DETECTOR
D S		DUCT DETECTOR - SUPPLY DUCT
D R		DUCT DETECTOR - RETURN DUCT
DH		DOOR HOLD
DR		DOOR HOLD RELEASE
FACP		CONTROL PANEL
FAAP		ANNUNCIATOR PANEL
FARCP		REMOTE CONTROL PANEL
FAPH		PHONE
NAC		NOTIFICATION APPLIANCE CONTROL PANEL
AM		ADDRESSABLE MODULE
CD		CELLULAR DIALER
FS		FLOW SWITCH
K		KNOX BOX
J		PHONE JACK
PS		PRESSURE SWITCH
PIV		POST VALVE INDICATOR
RD		REMOTE DIALER
RI		REMOTE INDICATOR
RT		REMOTE TEST
TS		TAMPER SWITCH

LIGHTING

SUBSCRIPTS FOR LIGHTING FIXTURES INDICATE THE FOLLOWING, U.O.N.
NL - NIGHT LIGHT, PANEL SWITCHED, U.O.N.

LIGHTING FIXTURE - TYPE AS INDICATED

WALL MOUNTED FIXTURE - TYPE AS INDICATED

LIGHTING FIXTURE - TYPE AS INDICATED
TRACK LIGHTING FIXTURE
POLE MOUNTED LIGHTING FIXTURE - TYPE AS INDICATED

EMERGENCY BATTERY WALL PACK LIGHTING FIXTURE - TYPE AS INDICATED

SHADING INDICATES EMERGENCY FIXTURE CONNECTED TO BATTERY INVERTER OR GENERATOR. CONNECT TO UNSWITCHED SOURCE IN ADDITION TO SWITCHING INDICATED

EXIT LIGHT - WALL/CEILING MOUNTED - DIRECTIONAL ARROWS AS INDICATED, SHADING INDICATES ILLUMINATED FACE. CONNECT TO UNSWITCHED BRANCH CIRCUIT INDICATED

UL 924 GENERATOR TRANSFER DEVICE - CONNECT TO SWITCHED NORMAL BRANCH CIRCUIT AND UNSWITCHED EMERGENCY BRANCH CIRCUIT LOCATED IN SAME ROOM/AREA.

LIGHT FIXTURE TYPE
A : NORMAL
AX : SAME AS A WITH EMERGENCY AND SHADED

NIGHT LIGHT
SWITCH LEG
CIRCUIT NUMBER

ABBREVIATIONS

A	AMPERES
AC	ALTERNATING CURRENT
ADJ	ADJUSTABLE
AF	AMPERES FRAME (BREAKER RATING)
AFF	ABOVE FINISH FLOOR
AHU	AIR HANDLING UNIT
ASD	ADJUSTABLE SPEED DRIVE
AT	AMPERES TRIP (BREAKER SETTING)
ATS	AUTOMATIC TRANSFER SETTING
AUX	AUXILIARY
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CP	CONTROL PANEL
CPT	CONTROL POWER TRANSFORMER
CT	CURRENT TRANSFORMER
DISC	DISCONNECT
DL	DOUBLE LUGS
DP	POWER DISTRIBUTION PANEL
DWG	DRAWING
EF	EXHAUST FAN
EG	EQUIPMENT GROUND
ELEC	ELECTRIC/ELECTRICAL
EM/EMERG	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EO	ELECTRICALLY OPERATED
EWC	ELECTRIC WATER COOLER
F	FUSE
FA	FIRE ALARM
FB	FLOOR BOX
FDR	FEEDER
FL	FLOOR
FLEX	FLEXIBLE
FTL	FEED THRU LUGS
G	GROUND
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFPE	GROUND FAULT PROTECTION OF EQUIPMENT
GRND	GROUND
HP	HORSEPOWER
HOA	HAND-OFF-AUTOMATIC
JB	JUNCTION BOX
KV	KILOVOLTS
KVA	KILOVOLTS-AMPERES
KVAR	KILOVOLTS-AMPERES-REACTIVE
KW	KILOWATTS
KWH	KILOWATT-HOURS
LA	LIGHTNING ARRESTOR
LSIG	LONG, SHORT, INSTANTANEOUS, GROUND FAULT TRIP SETTINGS
LP	LIGHTING PANELBOARD
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MFG	MANUFACTURER
MCC	MOTOR CONTROL CENTER
MECH	MECHANICAL
MFS	MAIN FUSED SWITCH
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MLO	MAIN LUGS ONLY
MTD	MOUNTED
MTG	MOUNTING
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NF	NON-FUSED
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NO.	NUMBER
N.T.S.	NOT TO SCALE
OC	ON CENTER
OL'S	OVERLOADS
OS	OCCUPANCY SENSOR
P	POLE
PB	PUSH BUTTON
PH/Ø	PHASE
PT	POTENTIAL TRANSFORMER
RCLP	REMOTE CONTROL LIGHTING PANEL
RECEPT.	RECEPTACLE
RF	RETURN FAN
RP	RECEPTACLE PANELBOARD
RSC	RIGID STEEL CONDUIT
SCHED	SCHEDULE
SF	SUPPLY FAN
ST	SHUNT TRIP
STB	SHUNT TRIP BREAKER
SW	SWITCH
SWBD	SWITCHBOARD
TB	TERMINAL BLOCK
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
V	VOLTS
VFD	VARIABLE FREQUENCY DRIVE
W	WIRE
WP	WEATHERPROOF
+2" AC	RECEPTACLE AT 2" ABOVE BACKSPLASH/COUNTERTOP TO BOTTOM OF DEVICE COORDINATE WITH CASEWORK

ELECTRICAL RECEPTACLES

FLOOR	WALL	+2" AC	CEILING	POWER	DESCRIPTION
				NORMAL	SIMPLEX RECEPTACLE
				NORMAL	DUPLEX RECEPTACLE
				NORMAL	DUPLEX RECEPTACLE TYPE GFCI
				NORMAL	QUADRAPLEX RECEPTACLE
				NORMAL	QUADRAPLEX RECEPTACLE TYPE GFCI
				NORMAL	SPECIAL RECEPTACLE
				EMERGENCY	SIMPLEX RECEPTACLE
				EMERGENCY	DUPLEX RECEPTACLE
				EMERGENCY	DUPLEX RECEPTACLE TYPE GFCI
				EMERGENCY	QUADRAPLEX RECEPTACLE
				EMERGENCY	QUADRAPLEX RECEPTACLE TYPE GFCI
				EMERGENCY	SPECIAL RECEPTACLE
FB					FLOOR BOX
PT					POKE THRU
	RT				REMOTE TEST FOR GFCI OUTLET
	J				JUNCTION BOX
	B				BLANK BOX
					SURFACE-MOUNTED RACEWAY WITH RECEPTACLES IN LOCATIONS INDICATED
		x			

RECEPTACLE DESIGNATIONS
"X" INDICATED THE FOLLOWING:
BLANK - 20A, 125VAC
F - FLUSH IN FLOOR, 20A, 125VAC
H - HORIZONTALLY MOUNTED, 20A, 125VAC
IG - ISOLATED GROUND, 20A, 125VAC
OS - CONTROLLED BY OCCUPANCY SENSOR
T - TAMPER RESISTANT, 20A, 125VAC
S - SURFACE MOUNTED, 20A,125VAC
WP - WEATHERPROOF IN-USE, 20A, 125VAC
X - MOUNTED IN EXISTING OUTLET BOX, 20A, 125VAC

EQUIPMENT NAMING CONVENTION

POWER DISTRIBUTION NAMING
X X X XX X

FLOOR NUMBER
- B - BASEMENT
- 1 - 1ST FLOOR
- 2 - 2ND FLOOR

EQUIPMENT TYPE
- BLANK - PANELBOARD
- DP - DISTRIBUTION PANELBOARD
- SW - SWITCHBOARD

FLOOR PLAN UNIT (PANELBOARD ONLY)
- A - UNIT A
- B - UNIT B

SEQUENTIAL PANEL NUMBER

CLASS
- BLANK - NORMAL
- C - CRITICAL
- E - EQUIPMENT
- G - GENERATOR
- X - LIFE SAFETY
- U - UPS

VOLTAGE
- L - 208/120
- H - 480/277

PHASING NOTE:

THIS PROJECT INTERFACES EXTENSIVELY WITH EXISTING BUILDING SERVICES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND PHASE ALL TIE-INS AND INTERRUPTIONS OF EXISTING SERVICES TO MINIMIZE OR ELIMINATE DOWNTIME. AS AN EXAMPLE, MAIN GAS SERVICE, WATER SERVICE, ELECTRICAL SERVICE, HVAC SERVICES, STEAM GENERATION, ETC., WILL BE AFFECTED AND REPLACED OR MOVED DURING THIS PROJECT. THE CONTRACTOR SHALL INSTALL ALL NEW SERVICES AND EQUIPMENT AND HAVE THEM TESTED AND FULLY AND RELIABLY FUNCTIONAL PRIOR TO INTERRUPTING, RELOCATING OR REMOVING ANY EXISTING SERVICES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO BARE ANY AND ALL COSTS ASSOCIATED WITH THIS PHASING, INCLUDING TEMPORARY SERVICES, TEMPORARY RELOCATION, PREMIUM TIME WORK, ETC. CONTRACTOR SHALL COORDINATE ALL SAID WORK WITH THE OWNER AND APPLICABLE UTILITIES PER THE CONTRACT DOCUMENTS.

NOTE:
NOT ALL INFORMATION ON THIS SHEET WILL BE USED IN THIS PROJECT

FEEDER & BRANCH CIRCUIT SCHEDULE (COPPER)

FEEDER/BRANCH CIRCUIT LABEL	CONDUCTOR SIZE PER CONDUIT: PHASE & NEUTRAL	CONDUCTOR SIZE PER CONDUIT: EQUIP/SERV GROUND	CONDUIT SIZE & QUANTITY: 1P,1N,1G 2P,1G	2P,1N,1G 3P,1G	3P,1N,1G 3P,1N	3P,2N,1G	3P,3N,1G	3P,1N,2G
F20	12	12	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
F30	10	10	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
F40	8	10	3/4"	3/4"	1"	1"	1"	1"
F50	6	10	1"	1"	1"	1-1/4"	1-1/4"	1"
F60	4	10	1"	1"	1-1/4"	1-1/4"	1-1/4"	1-1/4"
F70	4	8	1"	1-1/4"	1-1/4"	1-1/4"	1-1/2"	1-1/4"
F80	3	8	1"	1-1/4"	1-1/4"	1-1/2"	1-1/2"	1-1/4"
F90	2	8	1"	1-1/4"	1-1/2"	1-1/2	2"	1-1/2"
F100	1	8	1-1/4"	1-1/2"	1-1/2"	2"	2"	2"
F110	1	6	1-1/4"	1-1/2"	2"	2"	2-1/2"	2"
F125	1/0	6	1-1/4"	1-1/2"	2"	2"	2-1/2"	2"
F150	1/0	6	1-1/4"	1-1/2"	2"	2"	2-1/2"	2"
F175	2/0	6	1-1/2"	2"	2"	2-1/2"	2-1/2"	2"
F200	3/0	6	1-1/2"	2"	2"	2-1/2"	3"	2-1/2"
F225	4/0	4	2"	2"	2-1/2"	3"		2-1/2"
F250	250	4	2"	2-1/2"	3"	3"		3"
F300	350	4	2"	2-1/2"	3"	3-1/2"		3"
F350	500	3	2-1/2"	3"	3-1/2"	4"		3-1/2"
F400	3/0	3	(2) 1-1/2"	(2) 2"	(2) 2-1/2"	(2) 2-1/2"		(2) 2-1/2"
F400	500	2	(1) 4"	(1) 4"	(1) 4"	(1) 4"		(1) 4"
F400U	750	750			(1) 4"			
F450	4/0	2	(2) 2"	(2) 2"	(2) 2-1/2"	(2) 3"		(2) 2-1/2"
F500	250	2	(2) 2"	(2) 2-1/2"	(2) 3"	(2) 3"		(2) 3"
F600	350	1	(2) 2-1/2"	(2) 3"	(2) 3"	(2) 3-1/2"		(2) 3"
F700	500	1/0	(2) 2-1/2"	(2) 3"	(2) 3-1/2"	(2) 4"		(2) 3-1/2"
F800	350	2/0	(3) 2-1/2"	(3) 3"	(3) 3"	(3) 3-1/2"		(3) 3"
F800	500	2	(2) 4"	(2) 4"	(2) 4"	(2) 4"		(2) 4"
F800U	750	750			(2) 4"			
F900	350	2/0	(3) 2-1/2"	(3) 3"	(3) 3"	(3) 3-1/2"		
F1000	500	2/0	(3) 2-1/2"	(3) 3"	(3) 3-1/2"	(3) 4"		
F1200	350	3/0	(4) 2-1/2"	(4) 3"	(4) 3"	(4) 3-1/2"		
F1200U	750	750			(3) 4"			
F1600	500	4/0	(5) 3"	(5) 3"	(5) 3-1/2"	(5) 4"		
F1600U	750	750			(4) 4"			
F2000	500	250	(6) 3"	(6) 3"	(6) 3-1/2"	(6) 4"		
F2000U	750	750			(5) 4"			
F2500	500	350	(7) 4"	(7) 3-1/2"	(7) 3-1/2"	(7) 4"		
F2500U	750	750			(6) 4"			
F3000	500	500	(8) 4"		(8) 4"	(8) 4"		
F3000U	750	750			(7) 4"			
FUTILITY	BY UTILITY	BY UTILITY		BY UTILITY				

ALL FEEDERS FROM UTILITY TRANSFORMER SHALL BE SCHEDULE 80 PVC.

VFD FEEDER & BRANCH CIRCUIT SCHEDULE (COPPER)

FEEDER/BRANCH CIRCUIT LABEL	CONDUCTOR SIZE PER CONDUIT: PHASE	EQUIPMENT GROUND	SIGNAL	OUTER SHIELD	CONDUIT SIZE & QUANTITY: EMT	IMC	RMC	LFMC
F20V	(3)#12	(1)#12	N/A	BRAIDED	(1)1"	(1)1"	(1)1"	(1)1"
F20VS	(3)#12	(1)#12	(2)#12	BRAIDED	(1)1-1/2"	(1)1-1/4"	(1)1-1/2"	(1)1-1/2"
F30V	(3)#10	(1)#10	N/A	BRAIDED	(1)1-1/4"	(1)1"	(1)1-1/4"	(1)1-1/4"
F30VS	(3)#10	(1)#10	(2)#12	BRAIDED	(1)1-1/2"	(1)1-1/2"	(1)1-1/2"	(1)1-1/2"
F40V	(3)#8	(1)#10	N/A	BRAIDED	(1)1-1/2"	(1)1-1/4"	(1)1-1/2"	(1)1-1/2"
F40VS	(3)#8	(1)#10	(2)#12	BRAIDED	(1)1-1/2"	(1)1-1/2"	(1)1-1/2"	(1)1-1/2"
F50V	(3)#8	(1)#10	N/A	BRAIDED	(1)1-1/2"	(1)1-1/4"	(1)1-1/2"	(1)1-1/2"
F50VS	(3)#6	(1)#10	(2)#12	BRAIDED	(1)2"	(1)1-1/2"	(1)1-1/2"	(1)2"
F60V	(3)#4	(1)#10	N/A	BRAIDED	(1)2"	(1)2"	(1)2"	(1)2"
F60VS	(3)#4	(1)#10	(2)#12	BRAIDED	(1)2"	(1)2"	(1)2"	(1)2"
F70V	(3)#4	(1)#8	N/A	BRAIDED	(1)2"	(1)2"	(1)2"	(1)2"
F70VS	(3)#4	(1)#8	(2)#12	BRAIDED	(1)2"	(1)2"	(1)2"	(1)2"
F80V	(3)#3	(1)#8	N/A	BRAIDED	(1)2"	(1)2"	(1)2"	(1)2"
F80VS	(3)#3	(1)#8	(2)#12	BRAIDED	(1)2"	(1)2"	(1)2"	(1)2"
F90V	(3)#2	(1)#8	N/A	BRAIDED	(1)2"	(1)2"	(1)2"	(1)2"
F90VS	(3)#2	(1)#8	(2)#12	BRAIDED	(1)2"	(1)2"	(1)2"	(1)2"
F100V	(3)#1	(1)#8	N/A	BRAIDED	(1)2"	(1)2"	(1)2"	(1)2"
F100VS	(3)#1	(1)#8	(2)#12	BRAIDED	(1)2"	(1)2"	(1)2"	(1)2"
F110V	(3)#1	(1)#6	N/A	HELICAL	(1)2"	(1)2"	(1)2"	(1)2"
F110VS	(3)#1	(1)#6	(2)#12	HELICAL	(1)2"	(1)2"	(1)2"	(1)2"
F125V	(3)#1/0	(1)#6	N/A	HELICAL	(1)2-1/2"	(1)2"	(1)2"	(1)2-1/2"
F125VS	(3)#1/0	(1)#6	(2)#12	HELICAL	(1)2-1/2"	(1)2"	(1)2"	(1)2-1/2"
F200V	(3)#3/0	(1)#6	N/A	HELICAL	(1)2-1/2"	(1)2-1/2"	(1)2-1/2"	(1)2-1/2"
F200VS	(3)#3/0	(1)#6	(2)#12	HELICAL	(1)2-1/2"	(1)2-1/2"	(1)2-1/2"	(1)2-1/2"

SIZING IS BASED ON BELDON #2950X SERIES VFD MULTICONDUCTOR CABLE WITH 300% GROUND.

POWER DISTRIBUTION

OR	DISTRIBUTION PANELBOARD
	BRANCH PANELBOARD - SURFACE MOUNT
	BRANCH PANELBOARD - RECESSED MOUNT
	PAD MOUNTED TRANSFORMER
MSB	MAIN SWITCHBOARD
ATS	AUTOMATIC TRANSFER SWITCH
	WORKING CLEARANCE ABOUT ELECTRICAL EQUIPMENT
GROUND NEUTRAL PHASE	ARROW(S) INDICATE(S) HOME RUN AND NUMBER OF CIRCUITS. HASHMARKS INDICATE-NUMBER OF CONDUCTORS.
	GROUND WIRE
	PHASE WIRE
	NEUTRAL WIRE
	DIRECT CONNECTION TO EQUIPMENT
	GROUND ROD
	NON FUSED DISCONNECT
	FUSED DISCONNECT
	COMBINATION MOTOR STARTER
	VARIABLE FREQUENCY DRIVE
$MS	MOTOR RATED SWITCH
	PUSHBUTTON
	PUSH BUTTON CONTROL STATION

LINE SYMBOLS

	LIGHT/SCREENED SOLID LINES INDICATE EXISTING TO REMAIN
	HEAVY DASHED LINES INDICATE EXISTING TO BE REMOVED
	HEAVY CONTINUOUS LINES INDICATE NEW WORK
	HEAVY VARIOUS DASHED LINES INDICATE PANELBOARD ZONES

NOTE SYMBOLS

1	DEMOLITION PLAN NOTE
1	NEW WORK PLAN NOTE
3 / E501	DETAIL NUMBER / SHEET NUMBER — DETAIL REFERENCE
2 / E301	SECTION REFERENCE
	NEW TO EXISTING
	DEMO TO THIS POINT

GENERAL SYMBOLS & ABBREVIATIONS

A. WHERE DIFFERENT RECESSED ELECTRICAL DEVICES WITH THE SAME MOUNTING HEIGHTS ARE INDICATED SIDE-BY-SIDE, MOUNT THE DEVICES SO THAT THERE IS FOUR INCHES BETWEEN ADJACENT VERTICAL EDGES.

B. WHERE ELECTRICAL DEVICES WITH DIFFERENT MOUNTING HEIGHTS ARE LOCATED IN THE SAME AREA ALIGN DEVICES VERTICALLY THROUGH THEIR CENTERLINES.

C. INSTALL SEPARATE INDEPENDENT NEUTRAL CONDUCTORS FOR ALL 120V AND 277V CIRCUITS. DO NOT SHARE NEUTRALS.

D. ALL EXIT FIXTURES AND FIXTURES INDICATED WITH "NL" SHALL BE UNSWITCHED.

E. UNLESS OTHERWISE NOTED, PROVIDE FEEDERS AND BRANCH CIRCUITS WHICH HAVE AN AMPACITY EQUAL TO OR GREATER THAN THE CIRCUIT OVERCURRENT PROTECTIVE DEVICE RATING SERVING THE CIRCUIT. REFER TO CIRCUIT SIZING SCHEDULE FOR SIZES OF FEEDERS AND BRANCH CIRCUITS.

F. REFER TO LIFE SAFETY PLAN FOR FIRE-RATING REQUIREMENTS. DIVISION 26 CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING FIRE-RATED DEVICES/SEALS AS SHOWN ON ELECTRICAL DRAWINGS AND AS REQUIRED BASED ON LIFE SAFETY PLAN INFORMATION.

G. PER NEC ARTICLE 110.26(A) AND 110.26(F) THE DEDICATED ELECTRICAL SPACE INCLUDES THE SPACE DEFINED BY EXTENDING THE FOOTPRINT OF THE ELECTRICAL EQUIPMENT (INCLUDING BUT NOT LIMITED TO SWITCHBOARDS, PANELBOARDS, TRANSFORMERS, MOTOR CONTROLLERS) FROM THE FLOOR TO A HEIGHT OF 6'-0" ABOVE THE HEIGHT OF THE EQUIPMENT OR TO THE STRUCTURAL CEILING, WHICH EVER IS LOWER. THE DEDICATED ELECTRICAL SPACE MUST BE CLEAR OF ANY PIPING, DUCTS, LEAK PROTECTION APPARATUS, OR EQUIPMENT FOREIGN TO THE ELECTRICAL INSTALLATION. PLUMBING, HEATING, VENTILATION, AND AIR-CONDITIONING PIPING, DUCTS, AND EQUIPMENT MUST BE INSTALLED OUTSIDE THE WIDTH AND DEPTH ZONE. CONTRACTOR SHALL MAKE SURE NO PIPING OR DUCT WORK IS INSTALLED ABOVE THE ELECTRICAL EQUIPMENT. COORDINATE THESE REQUIREMENTS WITH ALL OTHER TRADES PRIOR TO INSTALLATION.

H. ALL WORK SHALL CONFORM TO OR EXCEED THE MINIMUM REQUIREMENTS OF THE CURRENT ADOPTED AND APPLICABLE ANSI/NFPA 70 WITH STATE AMENDMENTS, ENERGY CODE, ANSI/IEEE C2, AND ALL FEDERAL, STATE, LOCAL, AND MUNICIPAL CODES AND ORDINANCES. THE ELECTRICAL CONTRACTOR SHALL COMPLY WITH THE DIRECTIONS OF ALL AUTHORITIES HAVING JURISDICTION.

I. REFER TO THE ARCHITECTURAL DRAWINGS FOR CEILING WORK BY THE GENERAL CONTRACTOR. COORDINATE ALL ELECTRICAL WORK WITH THE GENERAL CONTRACTOR.

J. PROVIDE PENETRATIONS THROUGH ALL FLOORS, WALLS, CEILINGS, AND OTHER CONSTRUCTION ELEMENTS REQUIRED TO COMPLETE HIS WORK. PROVIDE PROPER FIRE SAFEING FOR ALL PENETRATIONS MADE. PROVIDE APPROPRIATE SEALANT (I.E. FIRESAFEING) TO MAINTAIN CONSTRUCTION INTEGRITY FOR ANY PENETRATIONS THROUGH FLOORS, STRUCTURAL CEILING, AND FIRE WALLS.

K. ALL FEEDER NEUTRAL / GROUNDED CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. DERATE / ADJUST MULTIPLE CONDUCTORS IN A RACEWAY IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.

L. INSTALL ALL CONDUITS, RACEWAYS, AND CABLE TRAY FOR MAXIMUM HEAD CLEARANCE IN MECHANICAL AREAS.

M. NEW DEVICES SHALL MATCH EXISTING DEVICES AND COVERPLATES.

N. CEILING MOUNTED DEVICES TO REMAIN SHALL BE SUPPORTED FROM STRUCTURE DURING CONSTRUCTION AND REINSTALLED IN NEW CEILING.

O. COORDINATE ALL ELECTRICAL WORK WITH ALL OTHER TRADES TO ENSURE EFFECTIVE AND EFFICIENT OVERALL INSTALLATION.

P. ALL CEILING DEVICES SHALL BE INDEPENDENTLY SUPPORTED FROM CEILING/CEILING TILES AND ATTACHED TO CEILING/CEILING TILE.

Q. LABEL ALL DEVICES, CONDUITS, JUNCTION BOXES, ETC.

(NOTES APPLY TO ALL ELECTRICAL DRAWINGS)

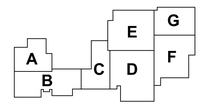
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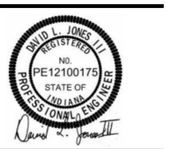
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KEY PLAN



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Description	Date	Num

Comm: 260804037
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Check: DLJ

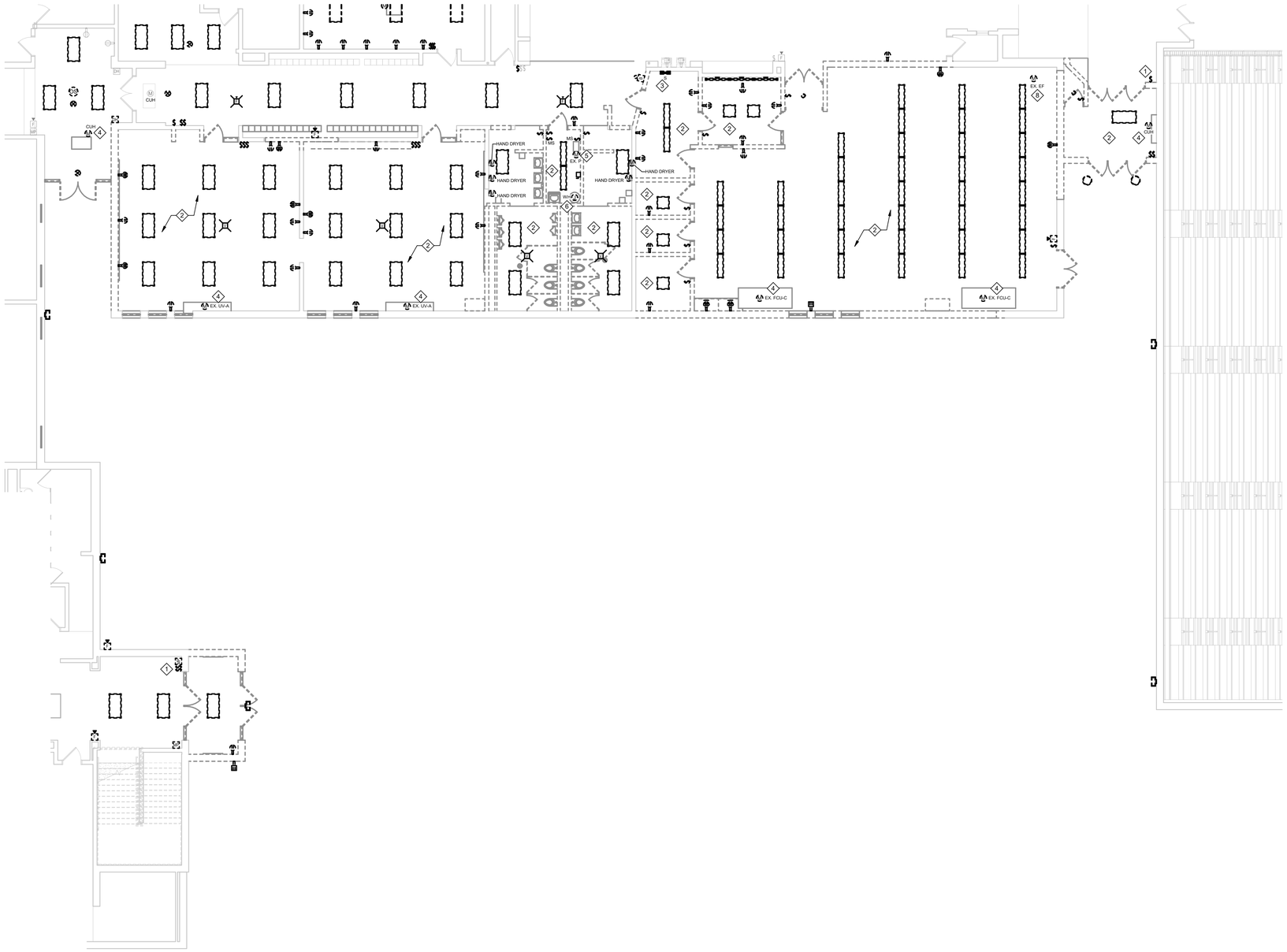
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Scale: 1/8" = 1'-0"

ELECTRICAL SYMBOLS AND ABBREVIATIONS

E-001

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GENERAL DEMOLITION NOTES

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B THIS DRAWING REPRESENTS INFORMATION OBTAINED FROM ORIGINAL CONTRACT DRAWINGS AND FIELD SURVEY. VERIFY BY ON-SITE OBSERVATION THE EXTENT OF WORK PRIOR TO SUBMISSION OF BID.

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E THE OWNER HOLDS RIGHT OF FIRST REFUSAL FOR ALL DEMOLISHED ELECTRICAL EQUIPMENT.

F ALL ELECTRICAL ITEMS SHOWN WITH LIGHT LINEWORK ARE EXISTING TO REMAIN.

G COORDINATE AND DISCONNECT ALL ARCHITECTURAL, MECHANICAL, AND PLUMBING EQUIPMENT AS NOTED FOR REMOVAL BY OTHERS. REMOVE ALL ASSOCIATED ELECTRICAL EQUIPMENT, RACEWAYS, CONDUCTORS, ETC. SERVING THE EQUIPMENT.

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J PROVIDE A BLANK COVERPLATE FOR ALL EXISTING WALL OPENINGS WHERE ELECTRICAL EQUIPMENT HAS BEEN REMOVED AND NOT REPLACED. IN AREAS RECEIVING NEW WALL TREATMENTS, PATCH THE EXISTING OPENING.

J REFER TO A, M, AND P-SERIES DRAWINGS FOR AREAS WITH ABOVE CEILING WORK AND/OR CEILING REMOVAL. TEMPORARILY SUPPORT ALL ELECTRICAL DEVICES, FIXTURES, ETC. AS REQUIRED. RE-INSTALL ELECTRICAL ITEMS FOLLOWING THE COMPLETION OF WORK IN THE NEW OR EXISTING CEILINGS.

K PROVIDE A COMPLETE FIRE ALARM SYSTEM TEST PRIOR TO DEMOLITION.

L NOT ALL PLAN NOTES ARE USED ON THIS SHEET.

◇ DEMOLITION PLAN NOTES

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2 REMOVE ALL LIGHTING, LIGHTING CONTROL DEVICES, ELECTRICAL DEVICES AND FIRE ALARM DEVICES IN THIS AREA. REMOVE ASSOCIATED WIRING AND CONDUIT BACK TO SOURCE.

3 PANELBOARD TO BE REMOVED AND RELOCATED IN NEW CONSTRUCTION. MAINTAIN ALL ASSOCIATED WIRING AND CONDUIT.

4 MECHANICAL EQUIPMENT TO BE REMOVED. REMOVE ASSOCIATED DISCONNECT, WIRING AND CONDUIT.

5 EXISTING PUMP TO BE REMOVED. REMOVE ASSOCIATED CONTROLLER, DISCONNECT, WIRING AND CONDUIT.

6 EXISTING WATER HEATER TO BE REMOVED. REMOVE ASSOCIATED DISCONNECT, WIRING AND CONDUIT.

7 ELECTRICAL DEVICE(S) TO BE REMOVED. MAINTAIN ASSOCIATED WIRING AND CONDUIT FOR RECONNECTION IN NEW CONSTRUCTION.

8 EXISTING EXHAUST FAN TO BE REMOVED. REMOVE ASSOCIATED CONTROLLER, DISCONNECT, WIRING AND CONDUIT.

1 ELECTRICAL DEMOLITION MAIN LEVEL FLOOR PLAN - AREA D
1/8" = 1'-0"

Linton-Stockton Addition and Renovation

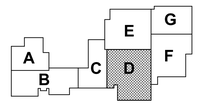
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KEY PLAN

DAVID L. JONES III
REGISTERED
NO.
PE12100175
STATE OF
INDIANA
PROFESSIONAL ENGINEER

Revisions		
Description	Date	Num

Comm: 260804037
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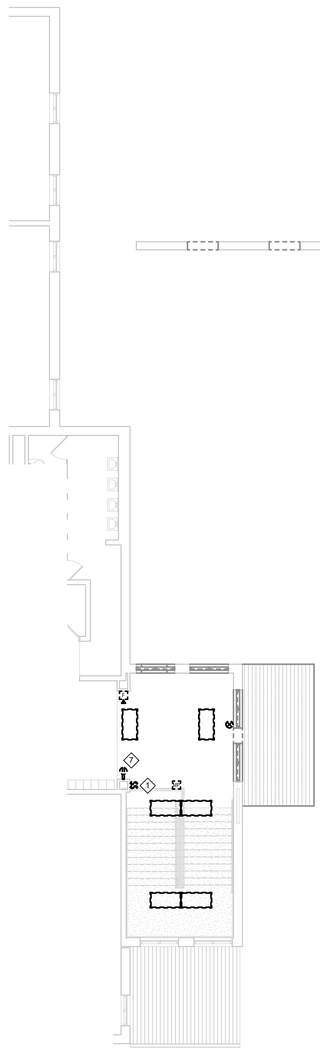
North

ELECTRICAL DEMOLITION MAIN LEVEL FLOOR PLAN - AREA D

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

ED101

IN



A

GENERAL DEMOLITION NOTES

A REFER TO ELECTRICAL SYMBOLS AND ABBREVIATIONS SHEET E-001 FOR ADDITIONAL INFORMATION.

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1 **ELECTRICAL DEMOLITION UPPER LEVEL FLOOR PLAN - AREA D**
1/8" = 1'-0"

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KEY PLAN

DAVID L. JONES III
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STATE OF
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PROFESSIONAL ENGINEER

Revisions		
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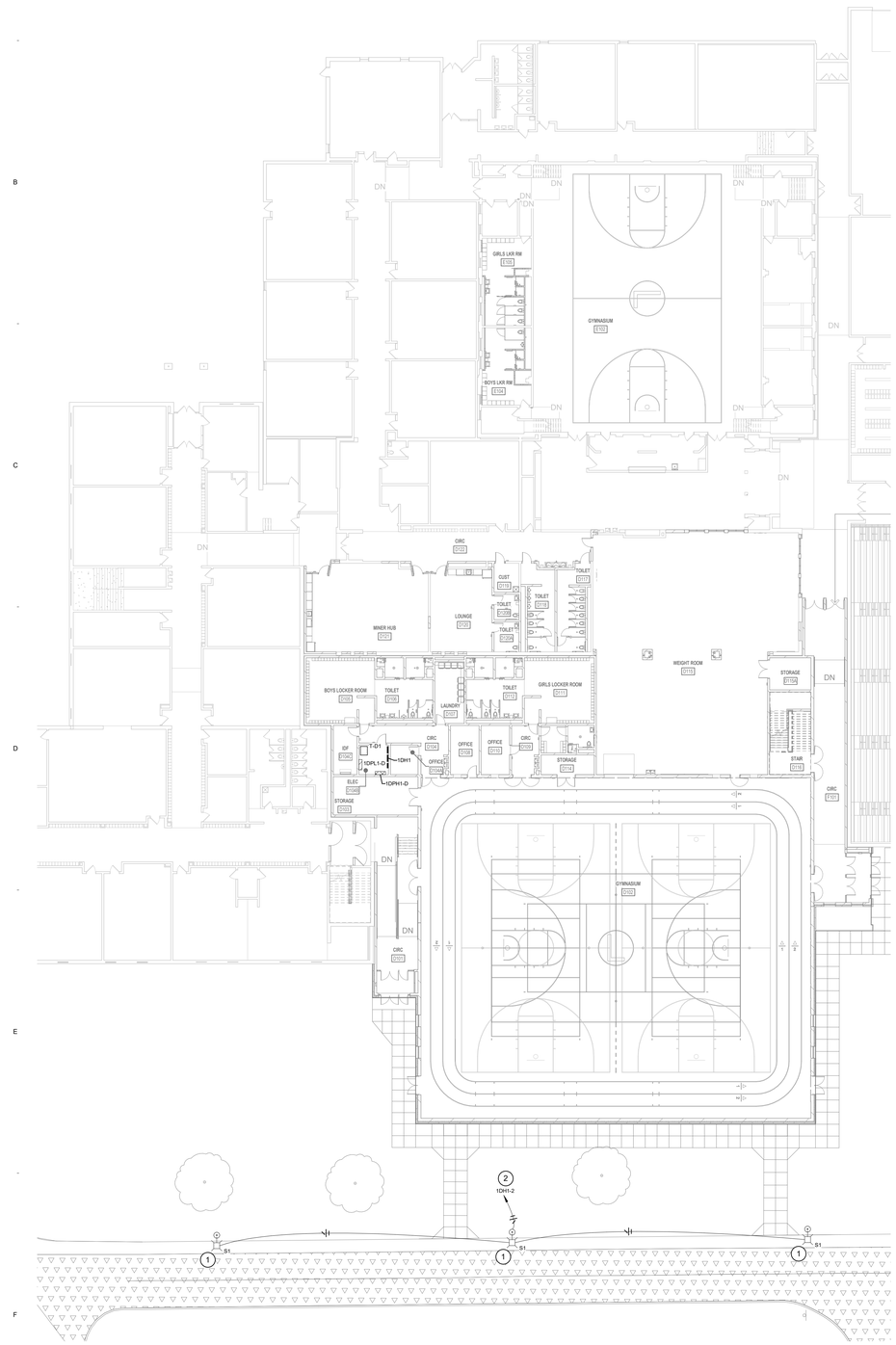
ELECTRICAL DEMOLITION UPPER LEVEL FLOOR PLAN - AREA D

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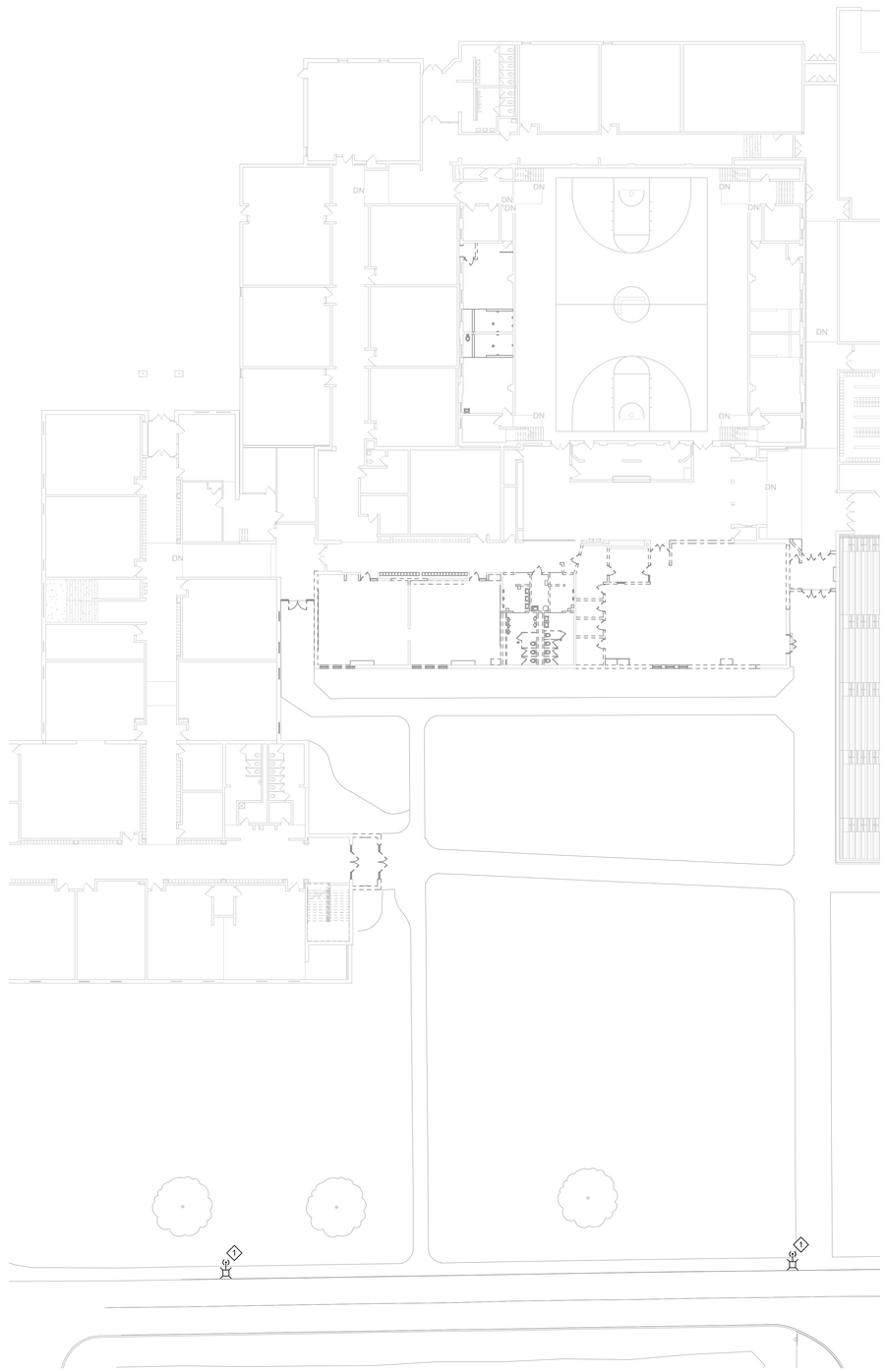
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IN



2 ELECTRICAL SITE PLAN
1" = 20'-0"



1 ELECTRICAL DEMOLITION SITE PLAN
1" = 20'-0"

GENERAL SITE DEMOLITION NOTES

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I REFER TO LOCAL UTILITIES GUIDE FOR DETAILS AND REQUIREMENTS, INCLUDING, BUT NOT LIMITED TO, SERVICE REQUIREMENTS FOR UNDERGROUND PRIMARY, PROTECTIVE POLES FOR PAD-MOUNTED EQUIPMENT, UTILITY TRANSFORMER CONCRETE PAD DETAIL, ETC. INCLUDE ALL UTILITY FEES REQUIRED IN BID.
J COORDINATE WITH C-SERIES DRAWINGS FOR ALL OTHER UTILITIES.
K PROVIDE UNDERGROUND MAGNETIC MARKERS AND WARNING TAPE ON ALL CONDUITS EXPOSED AS PART OF THIS PROJECT AND INSTALLED AS PART OF THIS PROJECT INCLUDING, BUT NOT LIMITED TO ALL PRIMARY AND SECONDARY CONDUITS FROM TRANSFORMERS AND METER CONDUITS.

◇ SITE DEMOLITION PLAN NOTES

1 REMOVE EXISTING POLE LIGHT. REMOVE ASSOCIATED WIRING AND CONDUIT BACK TO SOURCE.

GENERAL SITE NOTES

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C PROVIDE LABELS ON ALL EQUIPMENT MODIFIED BY THIS PROJECT. PROVIDE LABELS ON ALL JUNCTION BOXES AND CONDUITS MODIFIED OR PROVIDED BY THIS PROJECT. PROVIDE UPDATED PANELBOARD DIRECTORIES ON ALL PANELBOARDS MODIFIED BY THIS PROJECT.
D PROVIDE UNDERGROUND MAGNETIC MARKERS AND WARNING TAPE ON ALL CONDUITS EXPOSED AS PART OF THIS PROJECT AND INSTALLED AS PART OF THIS PROJECT INCLUDING, BUT NOT LIMITED TO ALL PRIMARY AND SECONDARY CONDUITS FROM TRANSFORMERS AND METER CONDUITS.

○ SITE PLAN NOTES

1 PROVIDE NEW POLE LIGHT.
2 LIGHTING CONTROL THROUGH CONTACTOR 'LC1' LOCATED IN ELEC D104B.

BEFORE YOU DIG

THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL CONTACT 811 TO OBTAIN UNDERGROUND UTILITY LOCATIONS AND AN AUTHORIZATION NUMBER PRIOR TO ANY CONSTRUCTION.

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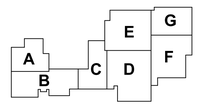
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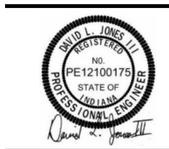
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KEY PLAN



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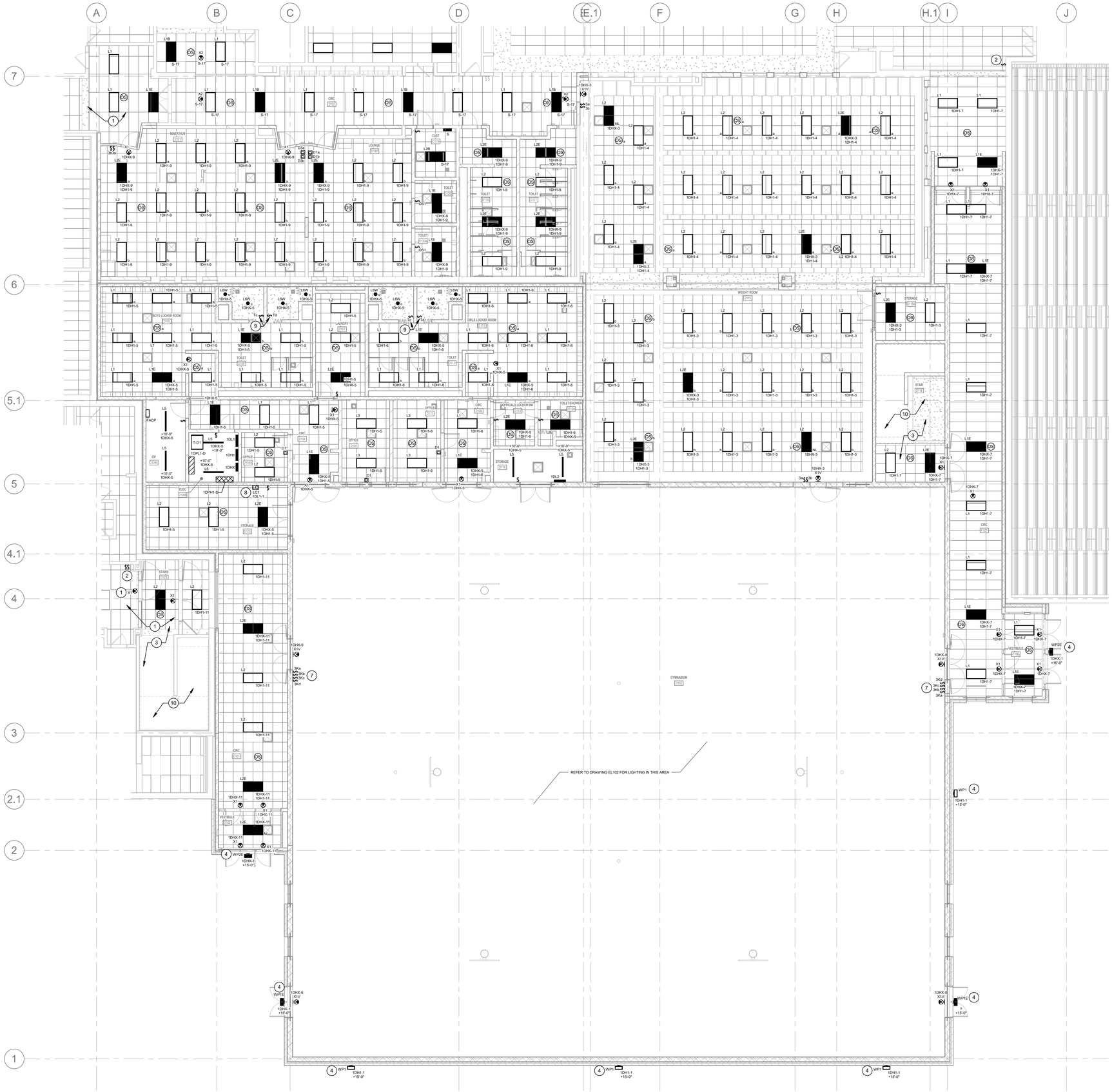
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ELECTRICAL SITE PLANS

Scale: As indicated

ES101

Author:Dave S:\Jobs\Projects\Wold School Addition and Renovation\260804037\01 CD_Design_R_2026_Schedule.rvt
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GENERAL LIGHTING NOTES

A REFER TO ELECTRICAL SYMBOLS AND ABBREVIATIONS SHEET E-001 FOR ADDITIONAL INFORMATION.

B COORDINATE ALL DEVICE LOCATIONS WITH ARCHITECT AND INTERIOR DESIGNER.

C PROVIDE LABELS ON ALL EQUIPMENT MODIFIED BY THIS PROJECT. PROVIDE LABELS ON ALL JUNCTION BOXES AND CONDUITS MODIFIED OR PROVIDED BY THIS PROJECT. PROVIDE UPDATED PANELBOARD DIRECTORIES ON ALL PANELBOARDS MODIFIED BY THIS PROJECT.

D NOT ALL PLAN NOTES ARE USED ON THIS SHEET.

◯ LIGHTING PLAN NOTES

1 EXTEND NEAREST NORMAL AND EMERGENCY LIGHTING CIRCUIT(S) FOR NEW LIGHTING. PROVIDE ALL NECESSARY WIRING AND CONDUIT.

2 RELOCATED LIGHT SWITCH(ES). RECONNECT WIRING AND CONDUIT MAINTAINED DURING DEMOLITION. REWORK AND EXTEND WIRING AND CONDUIT AS REQUIRED.

3 TIE MAIN LEVEL AND UPPER LEVEL CONTROLS IN STAIRWELL SO DETECTION AT ONE LEVEL TURNS ON LIGHTS AT BOTH.

4 LIGHTING CONTROL THROUGH CONTACTOR 'LC1'.

5 INSTALL LIGHT FIXTURES IN THIS AREA SO BOTTOM OF FIXTURE ALIGNS WITH BOTOM OF STRUCTURAL JOISTS.

6 MOUNT ALL OCCUPANCY SENSORS IN THIS AREA TO BOTTOM OF STRUCTURAL JOISTS.

7 PROVIDE WIRE GUARD FOR WALL SWITCH(ES).

8 PROVIDE LIGHTING CONTACTOR FOR EXTERIOR LIGHTING CONTROL.

9 PROVIDE A 30-MINUTE TIMER SWITCH FOR SHOWER LIGHTING.

10 PROVIDE STEP DIMMING IN STAIRWWELL SO ALL LIGHT(S) OPERATE AT 50% LIGHT OUTPUT WHEN SPACE IS UNOCCUPIED.

1 ELECTRICAL LIGHTING MAIN LEVEL FLOOR PLAN - AREA D
1/8" = 1'-0"

Linton-Stockton Addition and Renovation

10 H St NE
Linton, IN 47441

260804037
Linton-Stockton Schools
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KEY PLAN

DAVID L. JONES III
REGISTERED
NO.
PE12100175
STATE OF
INDIANA
PROFESSIONAL ENGINEER

Revisions		
Description	Date	Num

Comm: 260804037
Date: 09/25/2026
Drawn: GSR
Check: DLJ

North

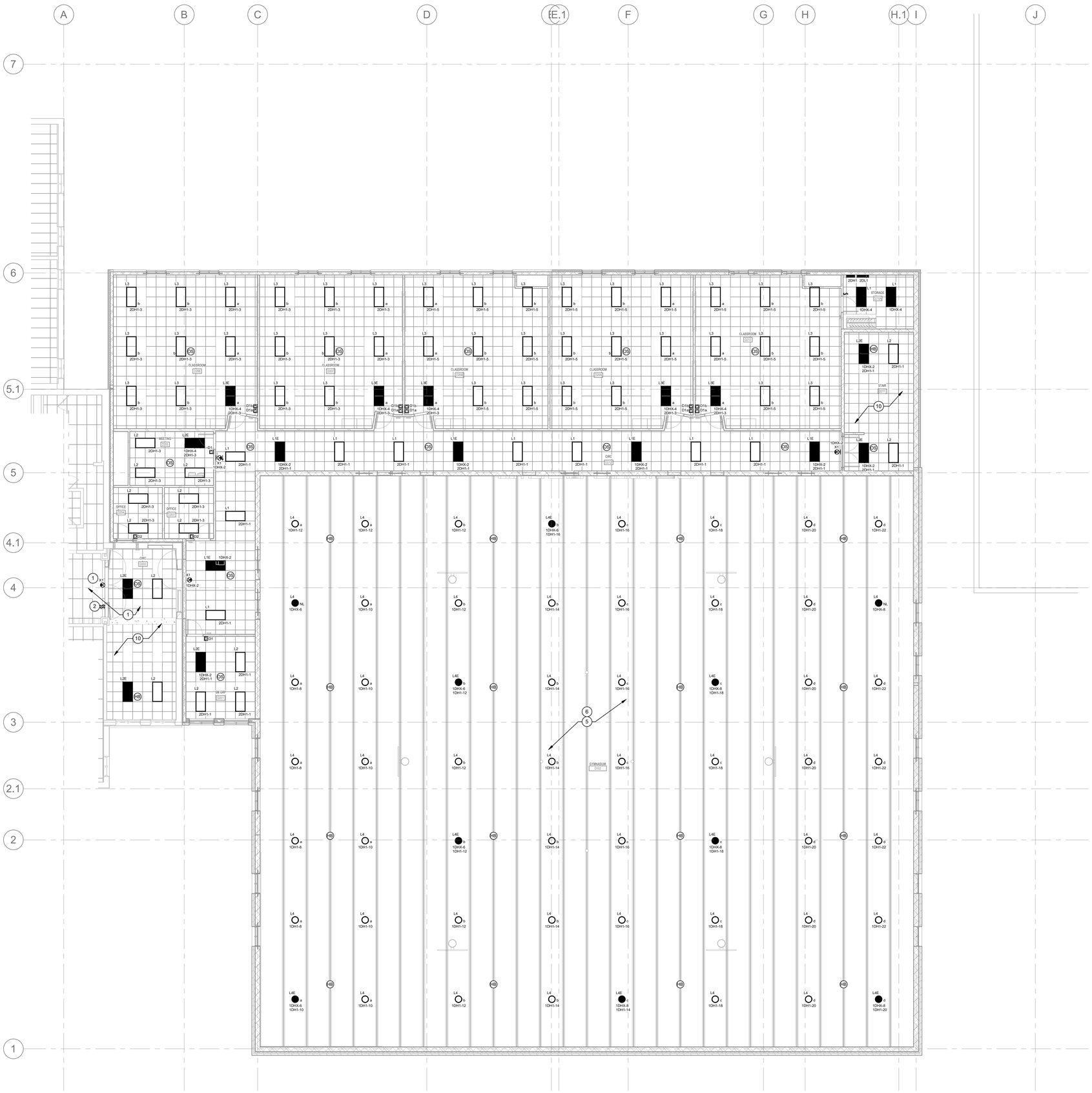
ELECTRICAL LIGHTING MAIN LEVEL FLOOR PLAN - AREA D

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

EL101

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IN



1 ELECTRICAL LIGHTING UPPER LEVEL FLOOR PLAN - AREA D
1/8" = 1'-0"

GENERAL LIGHTING NOTES

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Linton-Stockton Addition and Renovation

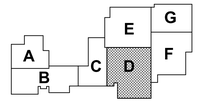
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ELECTRICAL LIGHTING UPPER LEVEL FLOOR PLAN - AREA D

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

EL102

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A

POWER PLAN NOTES

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2. APPROXIMATE FEEDER ROUTING FOR DISTRIBUTION BOARD '1DPH1-D' AND DISCONNECT 'DS-D1'. COORDINATE WITH ALL TRADES. SEE RISER DIAGRAM ON DRAWING E-602 FOR ADDITIONAL DETAILS.
3. INSTALL DISCONNECT ABOVE CEILING. COORDINATE LOCATION IN FIELD.
4. NEW ELECTRICAL DEVICE(S). RECONNECT WIRING AND CONDUIT MAINTAINED DURING DEMOLITION. REWORK AND EXTEND WIRING AND CONDUIT AS REQUIRED.
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9. PROVIDE NEMA 14-30R RECEPTACLES FOR DRYERS +48 INCHES AFF. PROVIDE F30 FEEDERS.
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20. COORDINATE LOCATION OF ALL ELECTRICAL ITEMS IN THIS AREA WITH WALL PADDING. REFER TO ARCHITECTURAL DRAWINGS.
21. PROVIDE POWER FOR TEMPERATURE CONTROL PANEL.

GENERAL POWER NOTES

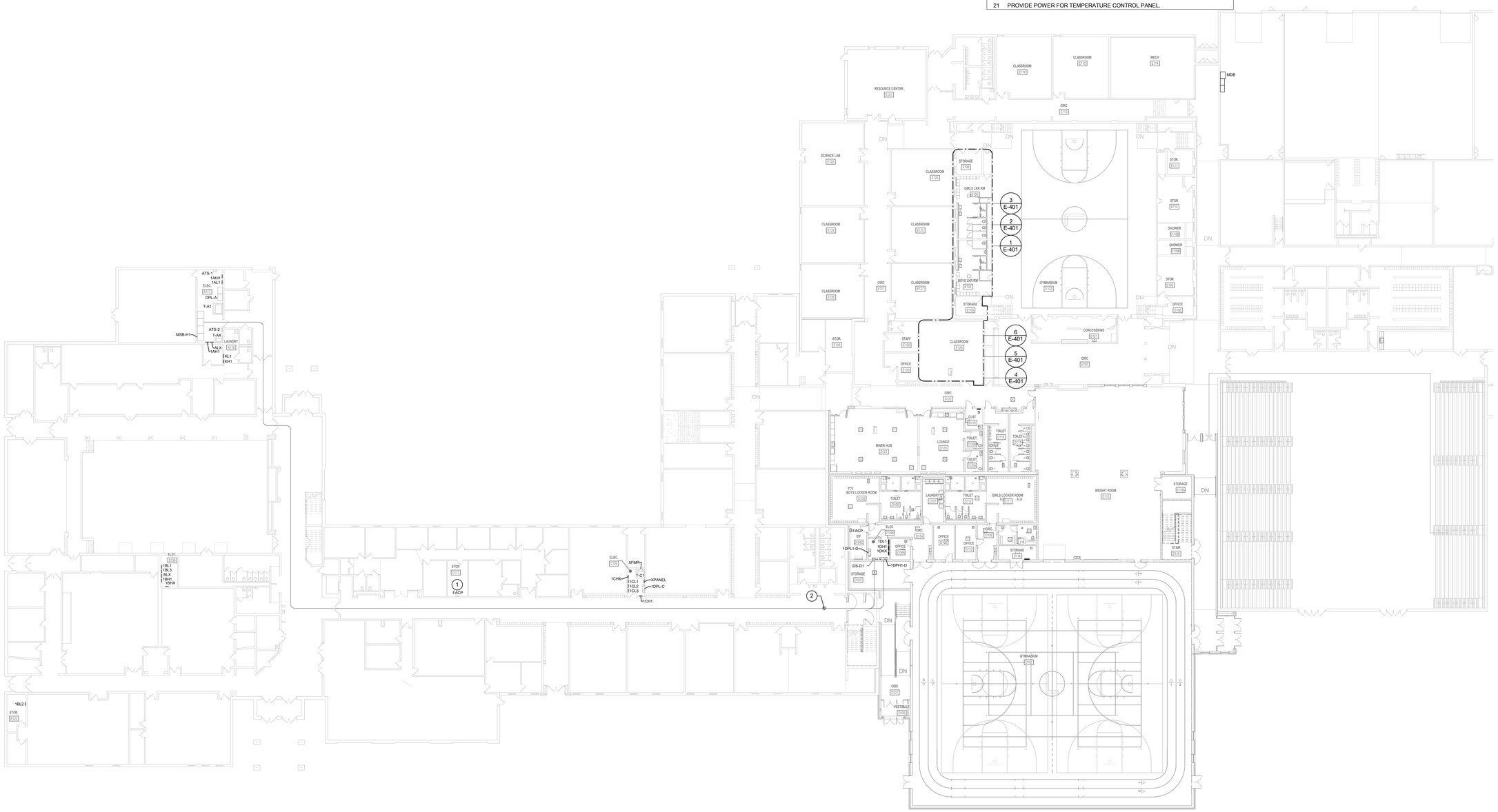
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1 ELECTRICAL POWER MAIN LEVEL FLOOR PLAN - OVERALL
1" = 20'-0"

Linton-Stockton Addition and Renovation

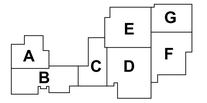
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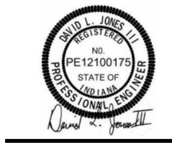
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Comm: 260804037
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Check: DLJ

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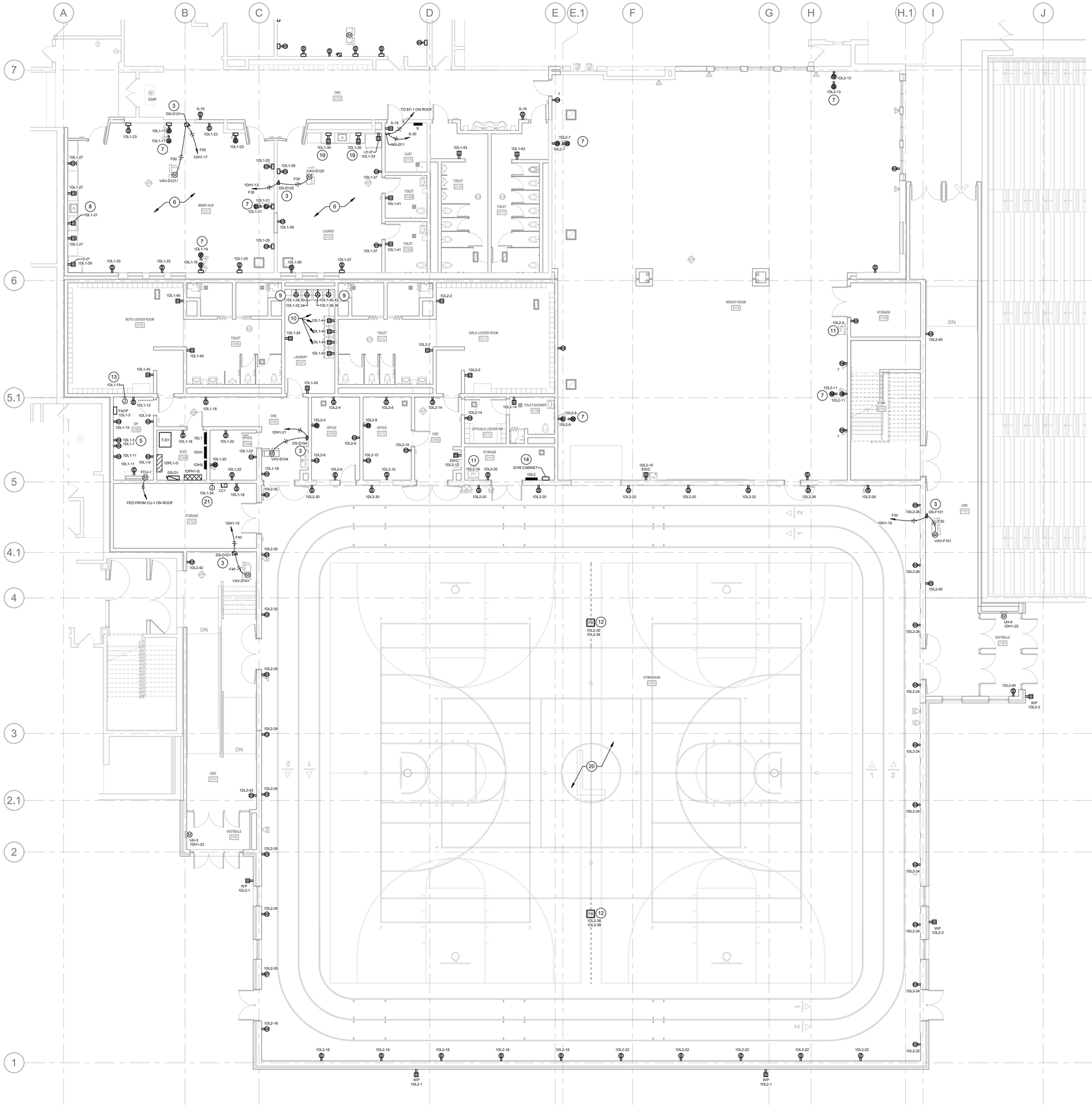
ELECTRICAL POWER MAIN LEVEL FLOOR PLAN - OVERALL

Scale: 1" = 20'-0"

EP001

Autodesk Docs://Linton-Stockton Addition & Renovation 2025/LSHS Lilly Wing/EP_E_2025_Central.rvt
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IN



1 ELECTRICAL POWER MAIN LEVEL FLOOR PLAN - AREA D
1/8" = 1'-0"

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Linton-Stockton Addition and Renovation

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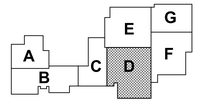
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KEY PLAN



DAVID L. JONES III
REGISTERED
NO.
PE12100175
STATE OF
INDIANA
PROFESSIONAL ENGINEER

Revisions		
Description	Date	Num

Comm: 260804037
Date: 09/25/2026
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ELECTRICAL POWER MAIN LEVEL FLOOR PLAN - AREA D

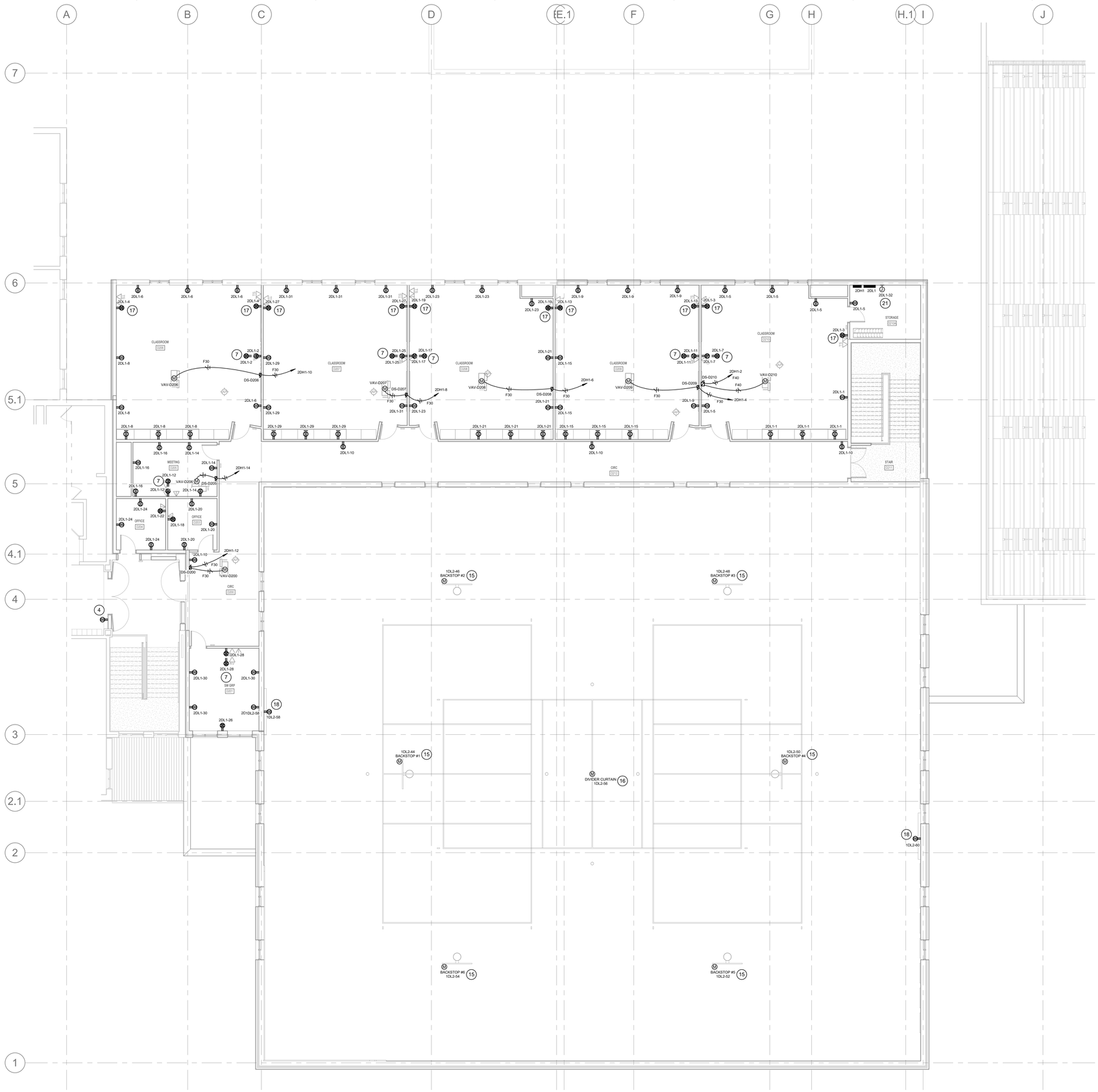
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A

IN



1 ELECTRICAL POWER UPPER LEVEL FLOOR PLAN - AREA D
1/8" = 1'-0"

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KEY PLAN



DAVID L. JONES III REGISTERED NO. PE12100175 STATE OF INDIANA PROFESSIONAL ENGINEER

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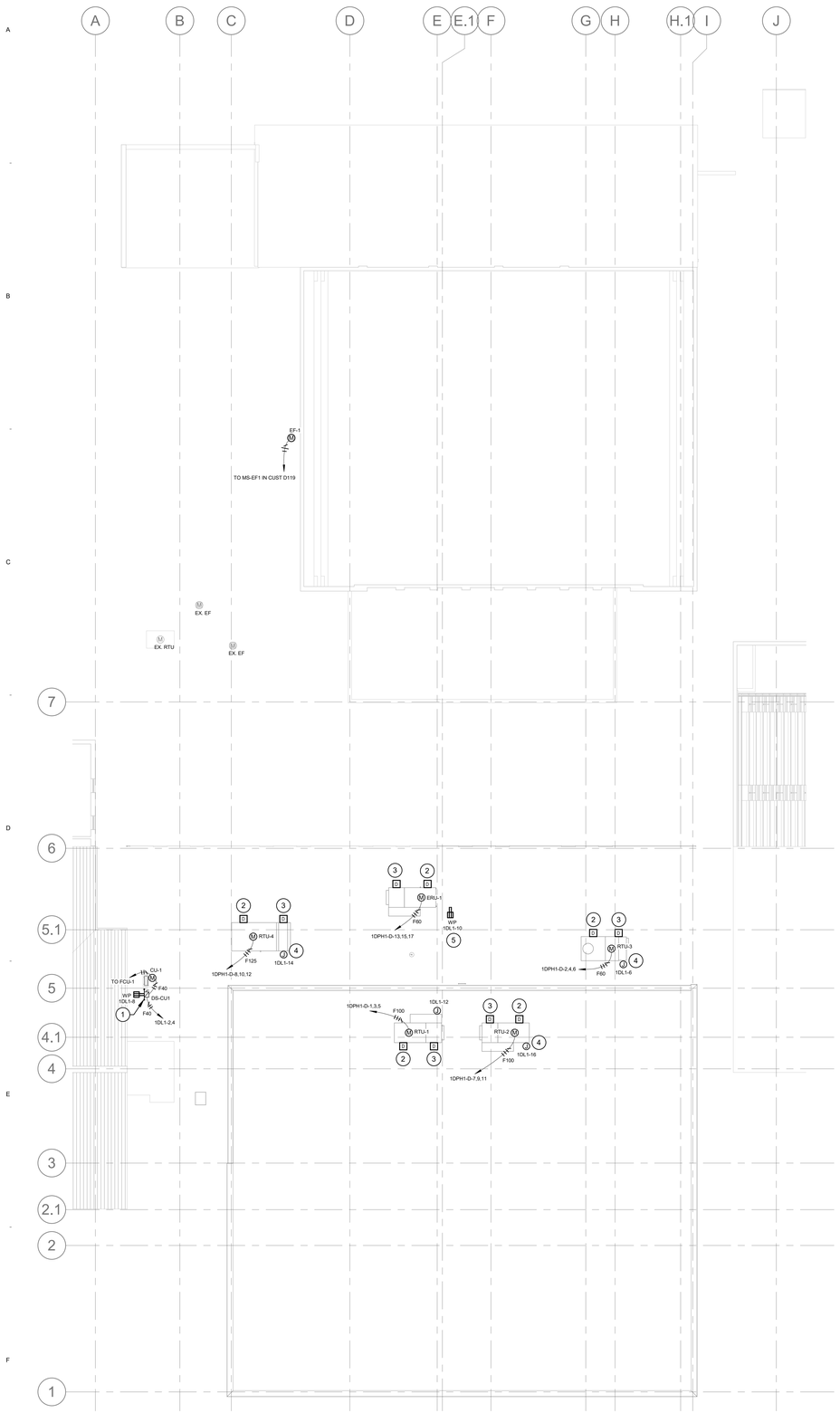
ELECTRICAL POWER UPPER LEVEL FLOOR PLAN - AREA D

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

EP102

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IN



2 ELECTRICAL ROOF PLAN
1/16" = 1'-0"



1 ELECTRICAL DEMOLITION ROOF PLAN
1/16" = 1'-0"

GENERAL DEMOLITION NOTES

A REFER TO ELECTRICAL SYMBOLS AND ABBREVIATIONS SHEET E-001 FOR ADDITIONAL INFORMATION.
B THIS DRAWING REPRESENTS INFORMATION OBTAINED FROM ORIGINAL CONTRACT DRAWINGS AND FIELD SURVEY. VERIFY BY ON-SITE OBSERVATION THE EXTENT OF WORK PRIOR TO SUBMISSION OF BID.
C CONTRACT DOCUMENTS CONSIST OF BOTH PROJECT MANUAL AND DRAWINGS AND ARE MEANT TO BE COMPLEMENTARY. ANYTHING APPEARING ON EITHER MUST BE EXECUTED THE SAME AS IF SHOWN ON BOTH.
D THOROUGHLY EXAMINE THE WORK OF OTHER CONTRACTORS AND PROPERLY DEMOLISH ALL WORK REQUIRED FOR THE PROJECT.
E THE OWNER HOLDS RIGHT OF FIRST REFUSAL FOR ALL DEMOLISHED ELECTRICAL EQUIPMENT.
F ALL ELECTRICAL ITEMS SHOWN WITH LIGHT LINEWORK ARE EXISTING TO REMAIN.
G COORDINATE AND DISCONNECT ALL ARCHITECTURAL, MECHANICAL, AND PLUMBING EQUIPMENT AS NOTED FOR REMOVAL BY OTHERS. REMOVE ALL ASSOCIATED ELECTRICAL EQUIPMENT, RACEWAYS, CONDUCTORS, ETC. SERVING THE EQUIPMENT.
H PROVIDE ALL CUTTING AND PATCHING AS REQUIRED FOR THE REMOVAL OF EXISTING ELECTRICAL EQUIPMENT. REFER TO SPECIFICATIONS.
J PROVIDE A BLANK COVERPLATE FOR ALL EXISTING WALL OPENINGS WHERE ELECTRICAL EQUIPMENT HAS BEEN REMOVED AND NOT REPLACED. IN AREAS RECEIVING NEW WALL TREATMENTS, PATCH THE EXISTING OPENING.
J REFER TO A, M, AND P-SERIES DRAWINGS FOR AREAS WITH ABOVE CEILING WORK AND/OR CEILING REMOVAL. TEMPORARILY SUPPORT ALL ELECTRICAL DEVICES, FIXTURES, ETC. AS REQUIRED. RE-INSTALL ELECTRICAL ITEMS FOLLOWING THE COMPLETION OF WORK IN THE NEW OR EXISTING CEILINGS.
K PROVIDE A COMPLETE FIRE ALARM SYSTEM TEST PRIOR TO DEMOLITION.
L NOT ALL PLAN NOTES ARE USED ON THIS SHEET.

◇ DEMOLITION PLAN NOTES

1 LIGHT SWITCH(ES) TO BE REMOVED AND RELOCATED IN NEW CONSTRUCTION. MAINTAIN ASSOCIATED WIRING AND CONDUIT.
2 REMOVE ALL LIGHTING, LIGHTING CONTROL DEVICES, ELECTRICAL DEVICES AND FIRE ALARM DEVICES IN THIS AREA. REMOVE ASSOCIATED WIRING AND CONDUIT BACK TO SOURCE.
3 PANELBOARD TO BE REMOVED AND RELOCATED IN NEW CONSTRUCTION. MAINTAIN ALL ASSOCIATED WIRING AND CONDUIT.
4 MECHANICAL EQUIPMENT TO BE REMOVED. REMOVE ASSOCIATED DISCONNECT, WIRING AND CONDUIT.
5 EXISTING PUMP TO BE REMOVED. REMOVE ASSOCIATED CONTROLLER, DISCONNECT, WIRING AND CONDUIT.
6 EXISTING WATER HEATER TO BE REMOVED. REMOVE ASSOCIATED DISCONNECT, WIRING AND CONDUIT.
7 ELECTRICAL DEVICE(S) TO BE REMOVED. MAINTAIN ASSOCIATED WIRING AND CONDUIT FOR RECONNECTION IN NEW CONSTRUCTION.
8 EXISTING EXHAUST FAN TO BE REMOVED. REMOVE ASSOCIATED CONTROLLER, DISCONNECT, WIRING AND CONDUIT.

GENERAL ROOF NOTES

A REFER TO ELECTRICAL SYMBOLS AND ABBREVIATIONS SHEET E-001 FOR ADDITIONAL INFORMATION.
B PROVIDE ROOF MOUNTED RECEPTACLES AS REQUIRED TO BE WITHIN 24' OF ROOF MOUNTED EQUIPMENT.
C NOT ALL PLAN NOTES ARE USED ON THIS SHEET.

◯ ROOF PLAN NOTES

1 PROVIDE AN APPROPRIATE SIZE UNISTRUT STAND FOR OUTDOOR DISCONNECT.
2 PROVIDE A DUCT DETECTOR IN SUPPLY DUCT OF MECHANICAL UNIT. WIRE DETECTOR TO SHUT DOWN UNIT UPON DETECTION AND PROGRAM IN SUPERVISORY MODE. COORDINATE LOCATION WITH MECHANICAL DUCTWORK PRIOR TO ROUGH-IN. INSTALL DUCT DETECTOR AT AN ACCESSIBLE LOCATION INSIDE THE BUILDING.
3 PROVIDE A DUCT DETECTOR IN RETURN DUCT OF MECHANICAL UNIT. WIRE DETECTOR TO SHUT DOWN UNIT UPON DETECTION AND PROGRAM IN SUPERVISORY MODE. COORDINATE LOCATION WITH MECHANICAL DUCTWORK PRIOR TO ROUGH-IN. INSTALL DUCT DETECTOR AT AN ACCESSIBLE LOCATION INSIDE THE BUILDING.
4 PROVIDE POWER FOR MANUFACTURER PROVIDED RECEPTACLE IN ROOFTOP UNIT.
5 ROOF MOUNTED RECEPTACLE. SEE DRAWING E-503 FOR ADDITIONAL DETAILS.

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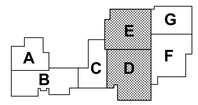
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ELECTRICAL ROOF PLAN

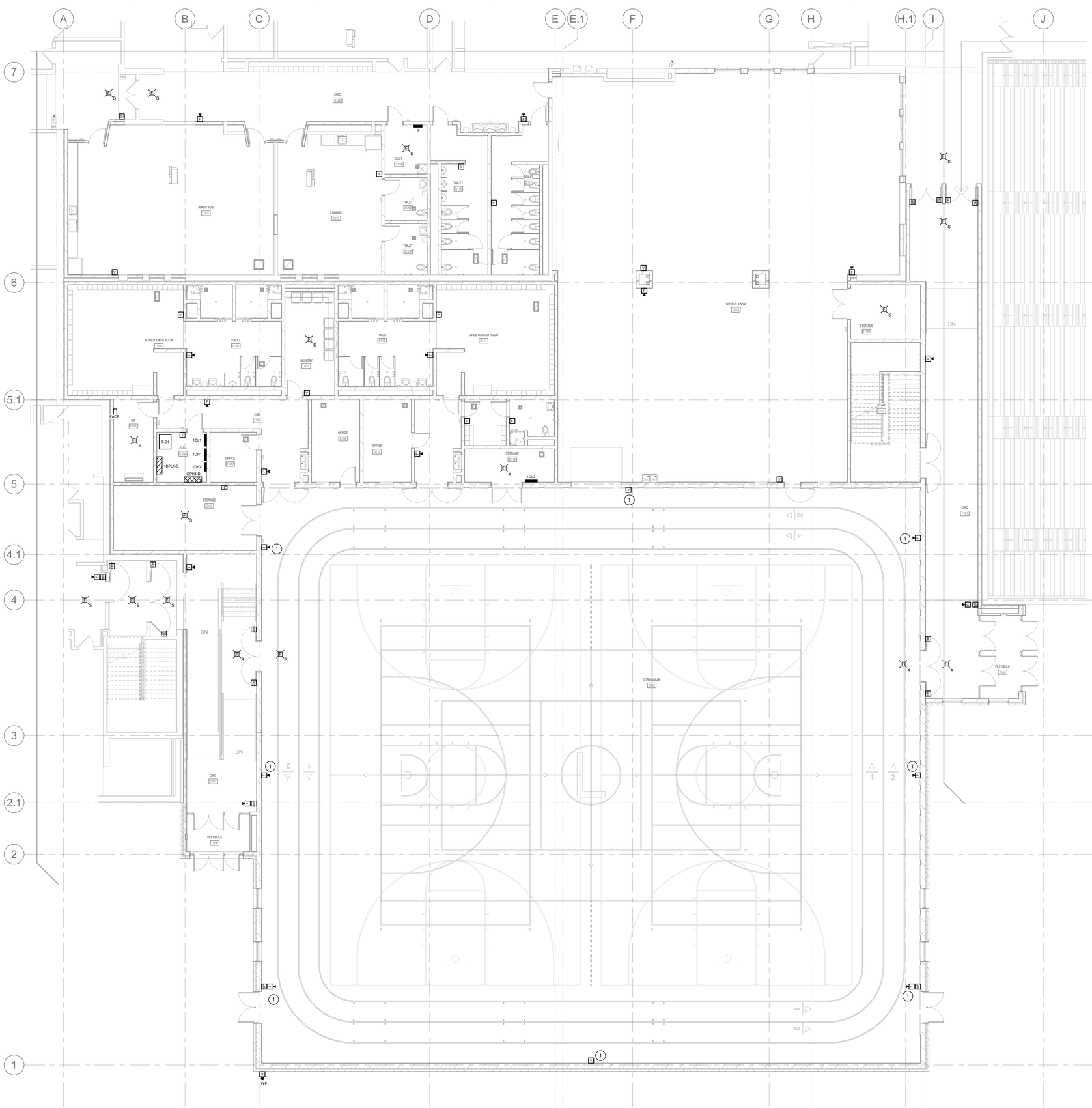
Scale: 1/16" = 1'-0"

ER101

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IN



1 **ELECTRICAL FIRE ALARM MAIN LEVEL FLOOR PLAN - AREA D**
1/8" = 1'-0"

GENERAL FIRE ALARM NOTES

A REFER TO ELECTRICAL SYMBOLS AND ABBREVIATIONS SHEET E-001 FOR ADDITIONAL INFORMATION.
B FIRE ALARM SYSTEM IS A DELEGATED DESIGN AND STATE SUBMISSION.
C PROVIDE A COMPLETE FIRE ALARM SYSTEM TEST TO COMPLETE CONSTRUCTION.
D NOT ALL PLAN NOTES ARE USED ON THIS SHEET.

◯ FIRE ALARM PLAN NOTES

1 PROVIDE PROTECTIVE VANDAL RESISTANT COVER(S) OR WIRE GUARD(S) FOR FIRE ALARM DEVICE(S).

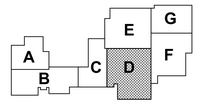
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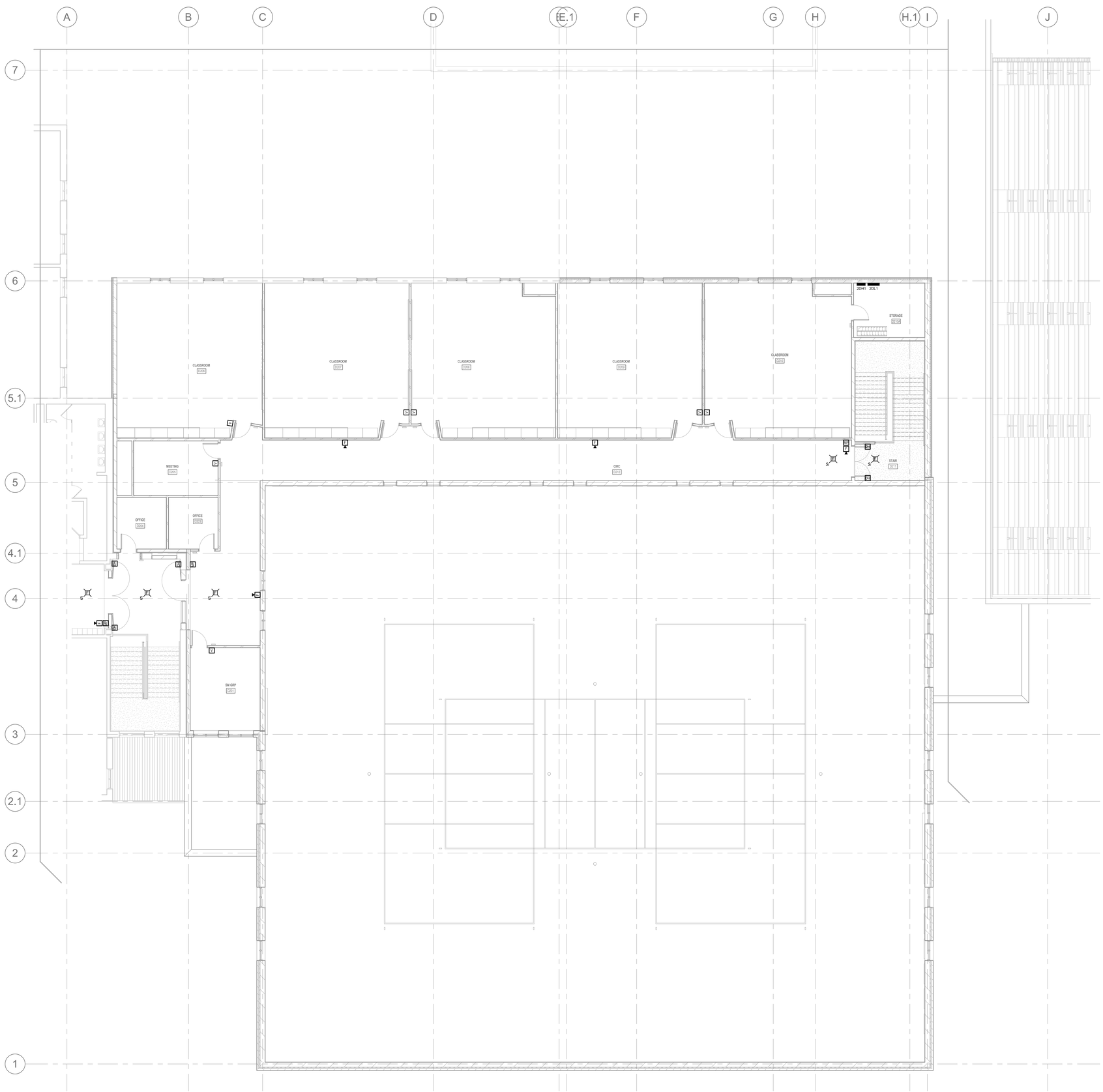
ELECTRICAL FIRE ALARM MAIN LEVEL FLOOR PLAN - AREA D

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

EF101

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1 **ELECTRICAL FIRE ALARM UPPER LEVEL FLOOR PLAN - AREA D**
1/8" = 1'-0"

GENERAL FIRE ALARM NOTES

A REFER TO ELECTRICAL SYMBOLS AND ABBREVIATIONS SHEET E-001 FOR ADDITIONAL INFORMATION.
B FIRE ALARM SYSTEM IS A DELEGATED DESIGN AND STATE SUBMISSION.
C PROVIDE A COMPLETE FIRE ALARM SYSTEM TEST TO COMPLETE CONSTRUCTION.
D NOT ALL PLAN NOTES ARE USED ON THIS SHEET.

◯ FIRE ALARM PLAN NOTES

1 PROVIDE PROTECTIVE VANDAL RESISTANT COVER(S) OR WIRE GUARD(S) FOR FIRE ALARM DEVICE(S).

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ELECTRICAL FIRE ALARM UPPER LEVEL FLOOR PLAN - AREA D

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

EF102

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GENERAL ENLARGED POWER AND FIRE ALARM NOTES

A REFER TO EP100 SERIES DRAWINGS FOR GENERAL POWER NOTES.
B REFER TO EF100 SERIES DRAWINGS FOR GENERAL FIRE ALARM NOTES.

◯ ENLARGED POWER AND FIRE ALARM PLAN NOTES

1 INSTALL DISCONNECT ABOVE CEILING. COORDINATE LOCATION IN FIELD.
2 USE EXISTING BACK BOX TO INSTALL NEW ELECTRICAL DEVICE.
3 PROVIDE LEGRAND WIREMOLD 4000 SERIES OR EQUAL FOR ALL SURFACE MOUNTED ELECTRICAL DEVICES IN THIS AREA.

GENERAL ENLARGED LIGHTING NOTES

A REFER TO EL100 SERIES DRAWINGS FOR GENERAL LIGHTING NOTES.

◯ ENLARGED LIGHTING PLAN NOTES

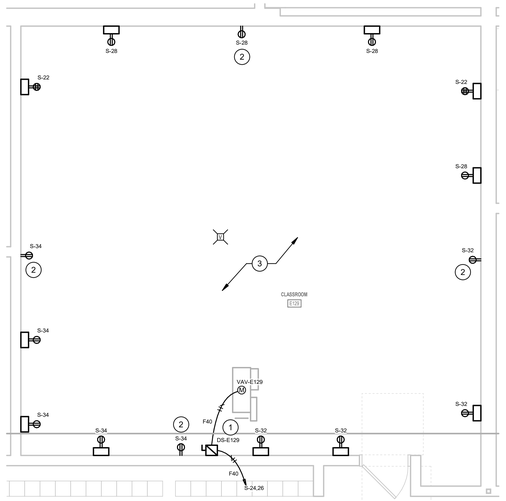
1 USE EXISTING BACK BOX TO INSTALL NEW LIGHT SWITCH(ES). PROVIDE NEW FACEPLATE.

GENERAL ENLARGED DEMOLITION NOTES

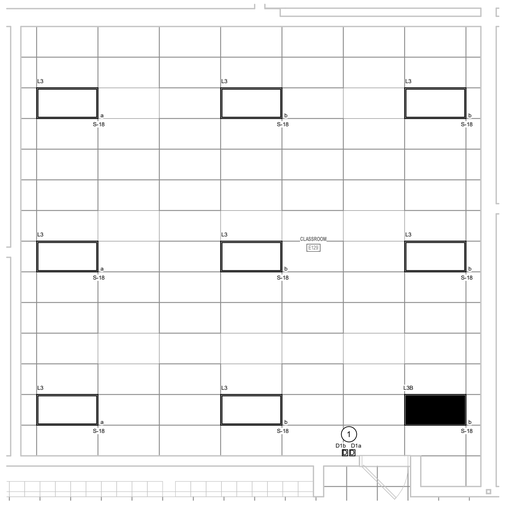
A REFER TO ED100 SERIES DRAWINGS FOR GENERAL DEMOLITION NOTES.

◇ ENLARGED DEMOLITION PLAN NOTES

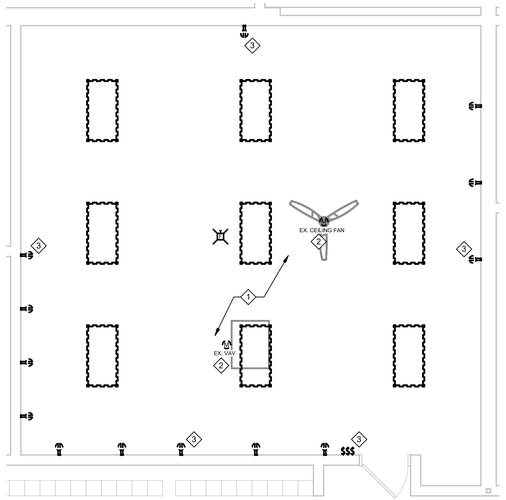
1 REMOVE ALL LIGHTING, LIGHTING CONTROL DEVICES, ELECTRICAL DEVICES AND FIRE ALARM DEVICES IN THIS AREA. REMOVE ASSOCIATED WIRING AND CONDUIT BACK TO SOURCE.
2 MECHANICAL EQUIPMENT TO BE REMOVED. REMOVE ASSOCIATED DISCONNECT, WIRING AND CONDUIT.
3 MAINTAIN RECESSED BACK BOX.



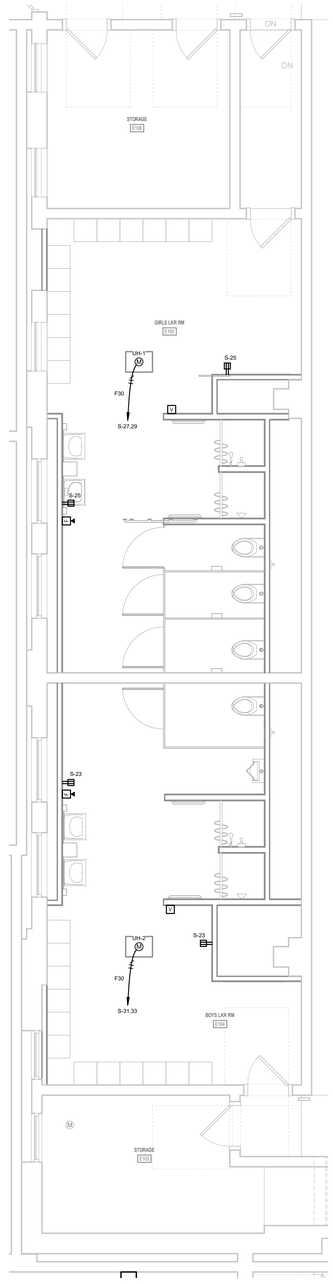
6 ELECTRICAL POWER AND FIRE ALARM ENLARGED PLAN - CLASSROOM E101
1/4" = 1'-0"



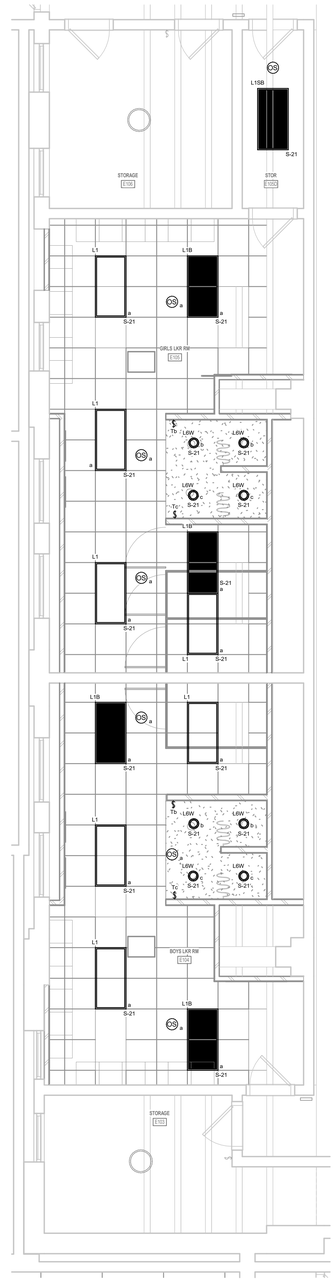
5 ELECTRICAL LIGHTING ENLARGED PLAN - CLASSROOM E101
1/4" = 1'-0"



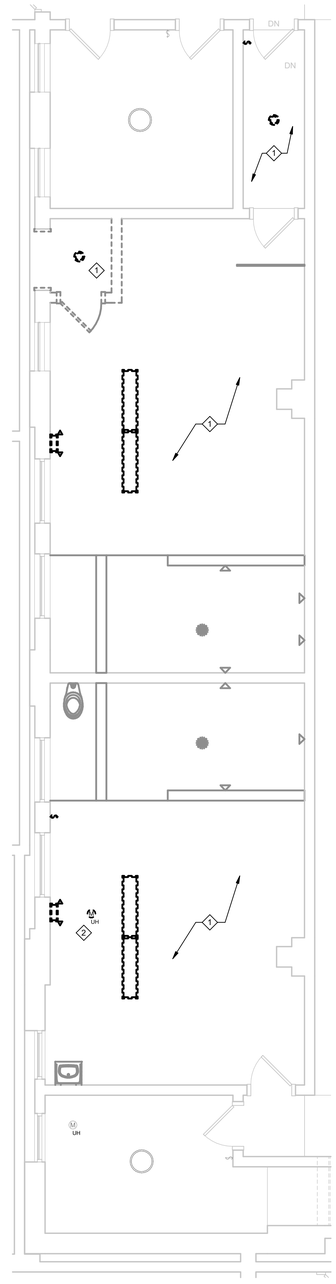
4 ELECTRICAL DEMOLITION ENLARGED PLAN - CLASSROOM E101
1/4" = 1'-0"



3 ELECTRICAL POWER AND FIRE ALARM ENLARGED PLAN - LOCKER ROOMS
1/4" = 1'-0"



2 ELECTRICAL LIGHTING ENLARGED PLAN - LOCKER ROOMS
1/4" = 1'-0"



1 ELECTRICAL DEMOLITION ENLARGED PLAN - LOCKER ROOMS
1/4" = 1'-0"

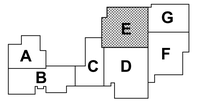
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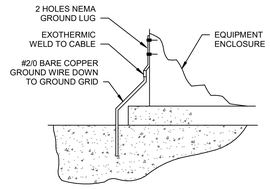
ELECTRICAL ENLARGED PLANS

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

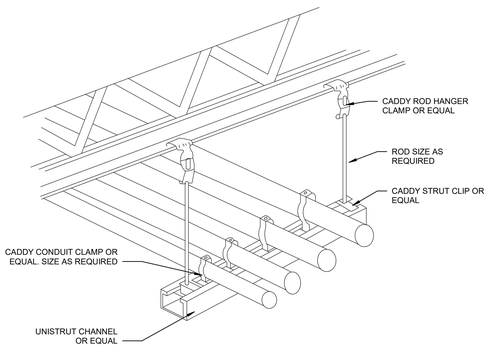
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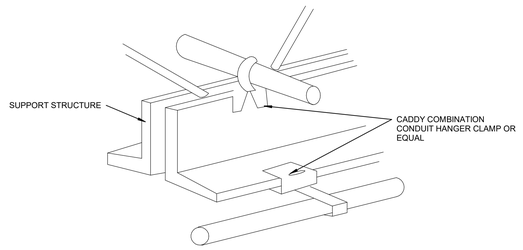
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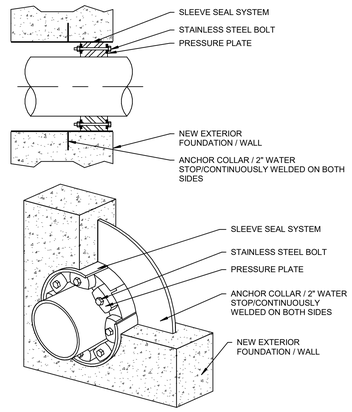
9 GROUND CABLE CONNECTOR TO EQUIPMENT ENCLOSURE DETAIL
NOT TO SCALE



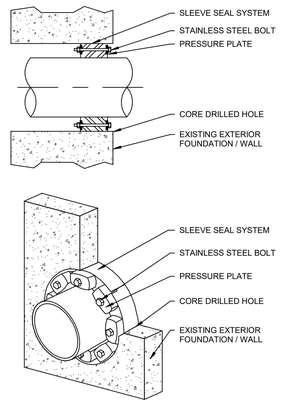
8 CONDUIT 2-1/2" AND LARGER SUPPORT DETAIL
NOT TO SCALE



7 CONDUIT 2" AND SMALLER SUPPORT DETAIL
NOT TO SCALE



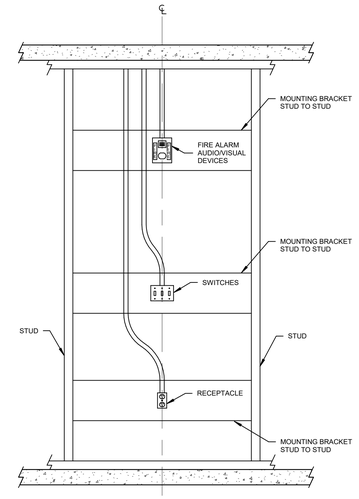
5 SLEEVE SEAL SYSTEM WITH SLEEVE DETAIL
NOT TO SCALE



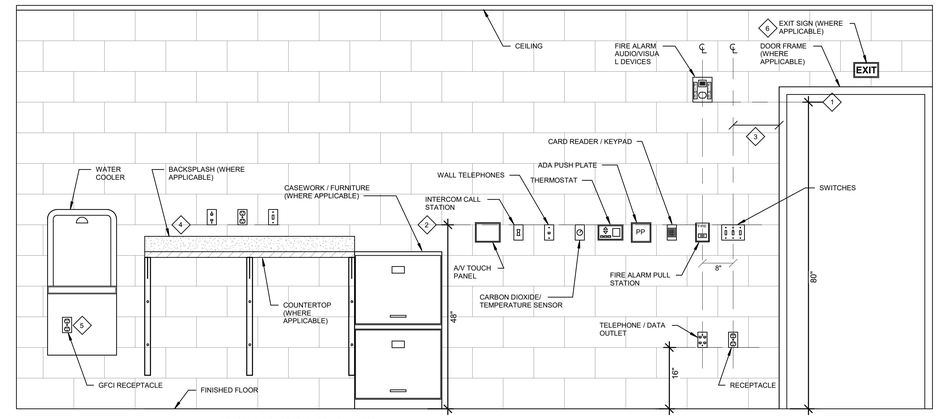
4 SLEEVE SEAL SYSTEM WITH SLEEVE DETAIL
NOT TO SCALE

PANELBOARD:			FED FROM:		
VOLTAGE:			KAIC:		
CIRC #	DESCRIPTION	ROOM #	CIRC #	DESCRIPTION	ROOM #
1			2		
3			4		
5			6		
7			8		
9			10		
11			12		
13			14		
15			16		
17			18		
19			20		
21			22		
23			24		
25			26		
27			28		
29			30		
31			32		
33			34		
35			36		
37			38		
39			40		
41			42		

3 PANELBOARD DIRECTORY DETAIL
NOT TO SCALE



2 TYPICAL WALL DEVICE MOUNTING AND CONDUIT DETAIL
NOT TO SCALE



DEVICE MOUNTING DETAIL - GENERAL NOTES:

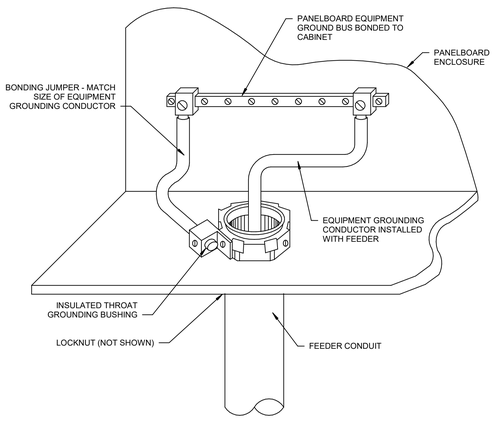
A. COORDINATE DEVICE LOCATIONS AND ELEVATIONS WITH ARCHITECTURAL PLANS AND ADA REQUIRMENTS.
B. WHERE DEVICES OF ANY DISCIPLINE ARE LOCATED IN THE SAME GENERAL AREA ON THE PLANS AND ARE SHOWN TO BE MOUNTED AT A SIMILAR HEIGHT, ALIGN HORIZONTALLY ALONG TOP OF DEVICE BACKBOX (AS SHOWN IN DETAIL AND DESCRIBED IN KEY NOTE #2).
C. WHERE DEVICES OF ANY DISCIPLINE ARE LOCATED IN THE SAME GENERAL AREA ON THE PLANS AND ARE SHOWN MOUNTED AT DIFFERENT HEIGHTS, ALIGN VERTICALLY ALONG THE CENTERLINE OF THE DEVICE BACKBOX (AS SHOWN IN DETAIL).
D. FOR ANY WALL OTHER THAN PAINTED GYPSUM BOARD OR CMU, DEVICE LOCATIONS MUST BE FIELD APPROVED BY ENGINEER OR ARCHITECT PRIOR TO INSTALLATION OF FINISHES.
E. PROVIDE LABEL ON ALL DEVICES

X DEVICE MOUNTING DETAIL - KEY NOTES:

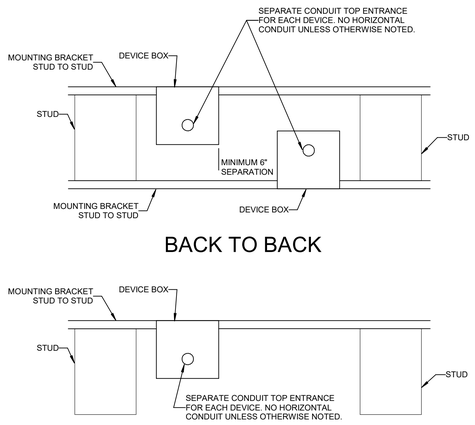
1. MOUNT VISUAL NOTIFICATION APPLIANCES SO THAT ENTIRE LENS IS BETWEEN 80" AND 96" AFF. IF CEILING IS TOO LOW FOR DEVICE TO BE MOUNTED ABOVE 80", MOUNT SO THAT THE LENS IS WITHIN 6" OF FINISHED CEILING.
2. ALIGN BACKBOXES OF DEVICES AT THE MOUNTING HEIGHT INDICATED. MEASURE TO THE TOP OF THE BACKBOX FOR STANDARD OUTLET BOXES. NON-STANDARD BACKBOXES ARE TO BE INSTALLED SUCH THAT THE FINISHED DEVICES ARE ALIGNED ALONG THEIR RESPECTIVE CENTERLINES.
3. MOUNTING HEIGHTS SHOWN ILLUSTRATE DESIGN INTENT AND ARE TO BE FOLLOWED UNLESS CONTRADICTED BY APPLICABLE CODE. WHERE DEVICES ARE SHOWN ADJACENT TO DOOR FRAMES ON PLANS INSTALL 12" FROM FRAME TO AVOID SLUSHED SECTIONS OR BRACING. SPECIFIC DEVICES ARE SHOWN IN RELATIVE ORDER FROM DOOR FRAME; WHERE THESE DEVICES ARE NOT PRESENT AT A PARTICULAR LOCATION, ADJUST LOCATIONS CLOSER TO DOOR ACCORDINGLY.
4. THE CONTRACTOR IS TO COORDINATE ALL ROUGH-INS WITH ANY COUNTERTOPS/BACKSPLASHES TO AVOID CONFLICT. ALIGN DEVICE BACKBOXES IN THE BOTTOM OF THE NEXT FULL BLOCK ABOVE THE BACKSPLASH AS SHOWN. FOR NON-BLOCK WALLS ALIGN BOTTOM OF DEVICE BACKBOXES 4" ABOVE BACKSPLASH. COORDINATE WORK WITH CASEWORK AND KITCHEN SHOP DRAWINGS ACCORDINGLY. IF CONFLICT STILL ARISES CONTACT THE ENGINEER FOR DIRECTION ON HOW TO PROCEED.
5. COORDINATE GFCI RECEPTACLE FOR WATER COOLER/BOTTLE FILLER. GFCI RECEPTACLE SHALL BE LOCATED BEHIND WATER COOLER/BOTTLE FILLER SHROUD.
6. EXIT SIGN SHALL BE INSTALED UP TO 6'-8" ABOVE TOP EDGE OF EGRESS OPENING.

1 TYPICAL WALL DEVICE MOUNTING DETAIL
NO SCALE

11 DEVICE GROUNDING DETAIL
NOT TO SCALE



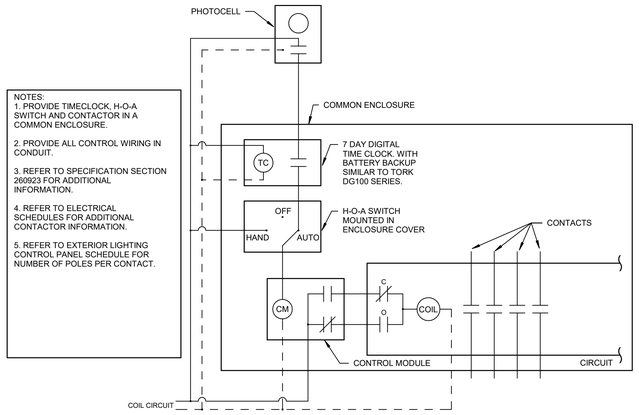
10 PANELBOARD BONDING DETAIL
NOT TO SCALE



6 WALL DEVICE BOX DETAIL
NOT TO SCALE

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NOTES:
1. PROVIDE TIMECLOCK, H-O-A SWITCH AND CONTACTOR IN A COMMON ENCLOSURE.

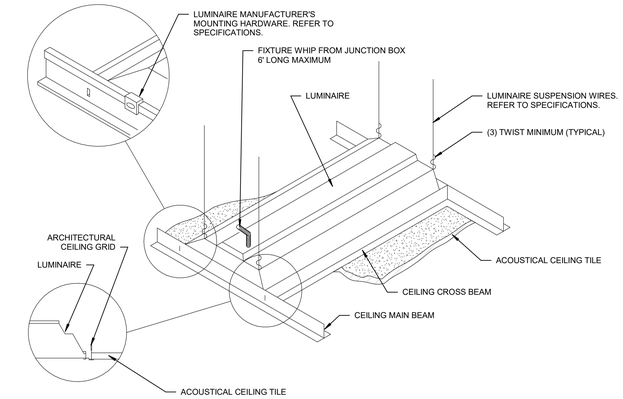
2. PROVIDE ALL CONTROL WIRING IN CONDUIT.

3. REFER TO SPECIFICATION SECTION 260923 FOR ADDITIONAL INFORMATION.

4. REFER TO ELECTRICAL SCHEDULES FOR ADDITIONAL CONTACTOR INFORMATION.

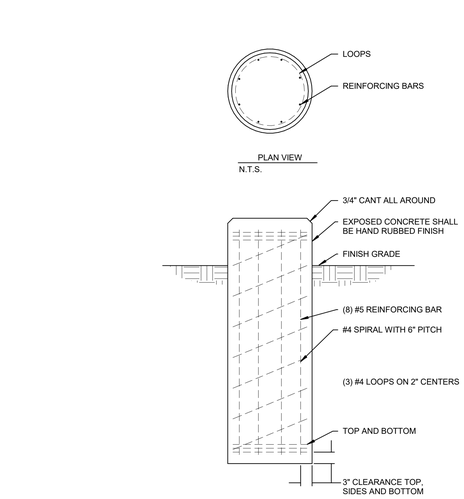
5. REFER TO EXTERIOR LIGHTING CONTROL PANEL SCHEDULE FOR NUMBER OF POLES PER CONTACT.

6 EXTERIOR LIGHTING CONTROL SYSTEM SCHEMATIC
NOT TO SCALE



INSTALL IN ACCORDANCE WITH MANUFACTURER'S MOUNTED INSTRUCTIONS AND USING RECOMMENDED MOUNTING HARDWARE.

3 LUMINAIRE MOUNTED IN LAY-IN CEILING DETAIL
NOT TO SCALE



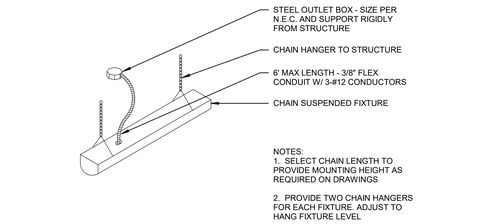
NOTES:
1. USE 4000 PSI 28 DAY STRENGTH CONCRETE FOR POLE BASE

2. PLACE CONCRETE THE SAME DAY BASE IS DRILLED

3. USE SONOTUBE FORM ABOVE GRADE AND EXTEND TO 6" BELOW GRADE

4. REFER TO POLE BASE DETAIL FOR DIMENSIONS

5 POLE BASE CONCRETE AND REINFORCING DETAIL
NOT TO SCALE



DIMENSIONS		
POLE HEIGHT	L	D
0'-0" < POLE HEIGHT ≤ 12'-0"	4'-6"	1'-6"
12'-0" < POLE HEIGHT ≤ 20'-0"	5'-0"	2'-0"
20'-0" < POLE HEIGHT ≤ 30'-0"	6'-0"	2'-6"
30'-0" < POLE HEIGHT ≤ 40'-0"	7'-0"	3'-0 "

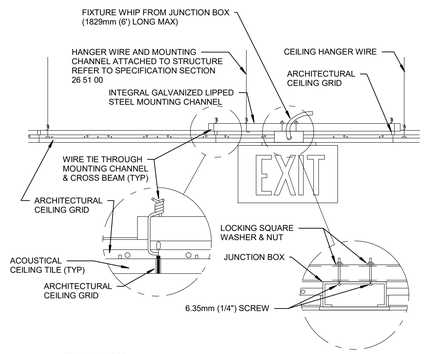
NOTES:

1. VERIFY ANCHOR BOLT LOCATIONS WITH MANUFACTURER'S TEMPLATE PRIOR TO BASE CONSTRUCTION

2. REFER TO POLE BASE CONCRETE AND REINFORCING DETAIL 3 FOR ADDITIONAL REQUIREMENTS

3. THIS POLE BASE SHALL BE USED WHERE POLE IS IN GRASSY AREA PROTECTED BY CURB OR OTHER BARRIER

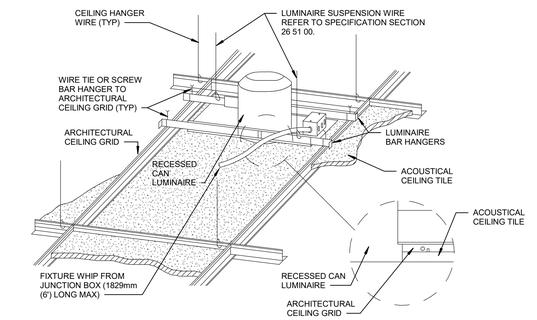
8 POLE BASE DETAIL
NOT TO SCALE



GENERAL NOTE:

1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S MOUNTING INSTRUCTIONS AND USING THE RECOMMENDED MOUNTING HARDWARE.

4 EXIT SIGN MOUNTING - LAY-IN CEILING DETAIL
NOT TO SCALE



GENERAL NOTE:

1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S MOUNTING INSTRUCTIONS AND USING RECOMMENDED MOUNTING HARDWARE.

1 DOWNLIGHT MOUNTED IN LAY-IN CEILING DETAIL
NOT TO SCALE

NOTES:
1. SELECT CHAIN LENGTH TO PROVIDE MOUNTING HEIGHT AS REQUIRED ON DRAWINGS

2. PROVIDE TWO CHAIN HANGERS FOR EACH FIXTURE. ADJUST TO HANG FIXTURE LEVEL

7 CHAIN SUSPENDED LIGHTING INSTALLATION
NOT TO SCALE

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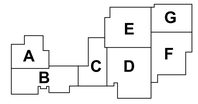
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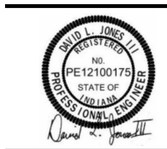
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KEY PLAN



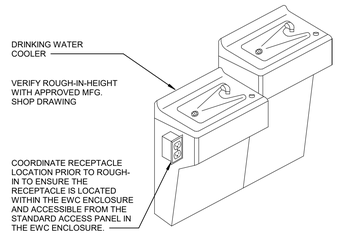
Revisions		
Description	Date	Num

Comm: 260804037
Date: 09/25/2026
Drawn: GSR
Check: DLJ
North

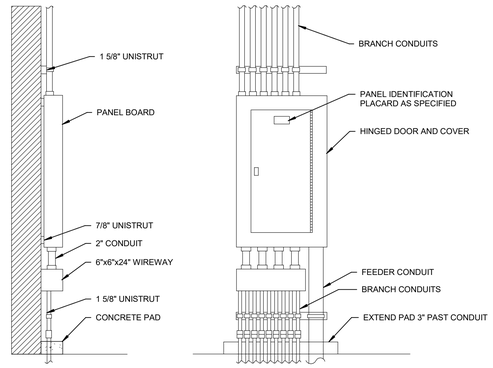
ELECTRICAL LIGHTING DETAILS

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

E-502



4 ELECTRIC WATER COOLER (EWC) DETAIL
NOT TO SCALE



3 SURFACE PANELBOARD DETAIL
NOT TO SCALE

DETAIL PLAN NOTES:

(A) EMT OR RIGID CONDUIT BELOW ROOF.

(B) 4"X4" JUNCTION BOX BELOW ROOF

(C) POWER WIRING IN LIQUID TIGHT FLEXIBLE METAL CONDUIT LENGTH TO BE AS SHORT AS PRACTICAL. COORDINATE ROUTING OF CONDUIT WITH MECHANICAL CONTRACTOR AND RTU MANUFACTURER

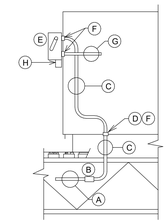
(D) FACTORY INSTALLED BOTTOM ENTRY KIT, IF AVAILABLE. IF A FACTORY INSTALLED BOTTOM ENTRY KIT IS NOT AVAILABLE, THEN THE ELECTRICAL CONTRACTOR IS TO PROVIDE A LIQUID TIGHT COUPLING SUCH AS "MEYER'S HUB" OR EQUIVALENT APPROVED BY THE RTU MANUFACTURER. THE RTU MANUFACTURER MUST APPROVE THE LOCATION OF THE PENETRATION. DO NOT CUT ANY OTHER OPENINGS IN THE BOTTOM OF THE UNIT.

(E) HEAVY DUTY WEATHERPROOF MANUFACTURER-SUPPLIED FUSED SAFETY SWITCH. DO NOT MOUNT TO ACCESS PANEL OR COVER DATA PLATES.

(F) WATERTIGHT COUPLINGS, MEYER'S HUB, OR EQUIVALENT.

(G) POWER WWIRING IN LIQUID TIGHT FLEXIBLE METAL CONDUIT FROM THE LOAD SIDE OF THE SAFETY SWITCH TO THE RTU POWER CONNECTION POINT.

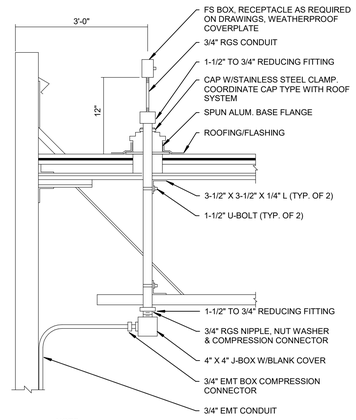
(H) LIGHTNING SURGE ARRESTOR. SEE SPECIFICATION 16170.



DETAIL GENERAL NOTES:

1. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL WIRING AND CONDUIT SHOWN. ANY OTHER CONDUIT OR WIRING SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR.
2. DO NOT OBSTRUCT COVERS, FILTERS, OR OTHER MECHANICAL COMPONENTS WHERE ACCESS OR REMOVAL IS REQUIRED FOR SERVICE.
3. IF BOTTOM ENTRY CANNOT BE PROVIDED, THEN ROUTE CONDUIT UP THRU ROOF IN ACCORDANCE WITH ROOF PENETRATION DETAIL.

2 ROOF-TOP UNIT (RTU) INSTALLATION DETAIL
NOT TO SCALE



NOTE:
1. STRUCTURAL DETAIL SHOWN IS TO BE REPRESENTATIVE ONLY. REFER TO ARCHITECTURAL DRAWINGS AND STRUCTURAL DRAWINGS FOR ACTUAL CONDITIONS ON THIS PROJECT

1 ROOF MOUNTED RECEPTACLE MOUNTING DETAIL
NOT TO SCALE

Linton-Stockton Addition and Renovation

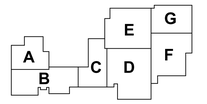
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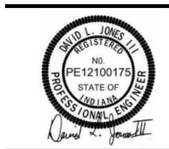
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ELECTRICAL POWER DETAILS

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

E-503

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INTERIOR/EXTERIOR/EMERGENCY & EXIT LIGHT FIXTURES SCHEDULE

LABEL	DESCRIPTION	VOLTAGE	SOURCE TYPE	LUMENS	WATTS	CCT	MOUNTING	LENS/REFLECTOR	CERTIFICATIONS	ACCEPTABLE MANUFACTURERS	LABEL
L1	2X4 LED FLAT PANEL. 0-10V DIMMING. SWITCHABLE CCT AND SELECTABLE LUMENS.	120/277 V	LED	3,600 LM	30 W	4000K, 80 CRI	RECESSED IN GRID	WHITE FROST ACRYLIC	DLC	COLUMBIA CBT-LSCS METALUX CGTS LITHONIA CPX DAY-BRITE 2SBP4	L1
L1B	2X4 LED FLAT PANEL. 0-10V DIMMING. SWITCHABLE CCT AND SELECTABLE LUMENS. PROVIDE INTEGRAL BATTERY INVERTER.	120/277 V	LED	3,600 LM	30 W	4000K, 80 CRI	RECESSED IN GRID	WHITE FROST ACRYLIC	DLC	COLUMBIA CBT-LSCS METALUX CGTS LITHONIA CPX DAY-BRITE 2SBP4	L1B
L1E	2X4 LED FLAT PANEL. 0-10V DIMMING. SWITCHABLE CCT AND SELECTABLE LUMENS. PROVIDE GENERATOR TRANSFER DEVICE.	120/277 V	LED	3,600 LM	30 W	4000K, 80 CRI	RECESSED IN GRID	WHITE FROST ACRYLIC	DLC	COLUMBIA CBT-LSCS METALUX CGTS LITHONIA CPX DAY-BRITE 2SBP4	L1E
L1SB	2X4 LED FLAT PANEL. 0-10V DIMMING. SWITCHABLE CCT AND SELECTABLE LUMENS. PROVIDE INTEGRAL BATTERY INVERTER.	120/277 V	LED	3,600 LM	30 W	4000K, 80 CRI	SURFACE MOUNTED	WHITE FROST ACRYLIC	DLC	COLUMBIA CBT-LSCS METALUX CGTS LITHONIA CPX DAY-BRITE 2SBP4	L1SB
L2	2X4 LED FLAT PANEL. 0-10V DIMMING. SWITCHABLE CCT AND SELECTABLE LUMENS.	120/277 V	LED	5,000 LM	40 W	4000K, 80 CRI	RECESSED IN GRID	WHITE FROST ACRYLIC	DLC	COLUMBIA CBT-LSCS METALUX CGTS LITHONIA CPX DAY-BRITE 2SBP4	L2
L2B	2X4 LED FLAT PANEL. 0-10V DIMMING. SWITCHABLE CCT AND SELECTABLE LUMENS. PROVIDE INTEGRAL BATTERY INVERTER.	120/277 V	LED	5,000 LM	40 W	4000K, 80 CRI	RECESSED IN GRID	WHITE FROST ACRYLIC	DLC	COLUMBIA CBT-LSCS METALUX CGTS LITHONIA CPX DAY-BRITE 2SBP4	L2B
L2E	2X4 LED FLAT PANEL. 0-10V DIMMING. SWITCHABLE CCT AND SELECTABLE LUMENS. PROVIDE GENERATOR TRANSFER DEVICE.	120/277 V	LED	5,000 LM	40 W	4000K, 80 CRI	RECESSED IN GRID	WHITE FROST ACRYLIC	DLC	COLUMBIA CBT-LSCS METALUX CGTS LITHONIA CPX DAY-BRITE 2SBP4	L2E
L3	2X4 LED FLAT PANEL. 0-10V DIMMING. SWITCHABLE CCT AND SELECTABLE LUMENS.	120/277 V	LED	6,600 LM	60 W	4000K, 80 CRI	RECESSED IN GRID	WHITE FROST ACRYLIC	DLC	COLUMBIA CBT-LSCS METALUX CGTS LITHONIA CPX DAY-BRITE 2SBP4	L3
L3B	2X4 LED FLAT PANEL. 0-10V DIMMING. SWITCHABLE CCT AND SELECTABLE LUMENS. PROVIDE INTEGRAL BATTERY INVERTER.	120/277 V	LED	6,600 LM	60 W	4000K, 80 CRI	RECESSED IN GRID	WHITE FROST ACRYLIC	DLC	COLUMBIA CBT-LSCS METALUX CGTS LITHONIA CPX DAY-BRITE 2SBP4	L3B
L3E	2X4 LED FLAT PANEL. 0-10V DIMMING. SWITCHABLE CCT AND SELECTABLE LUMENS. PROVIDE GENERATOR TRANSFER DEVICE.	120/277 V	LED	6,600 LM	60 W	4000K, 80 CRI	RECESSED IN GRID	WHITE FROST ACRYLIC	DLC	COLUMBIA CBT-LSCS METALUX CGTS LITHONIA CPX DAY-BRITE 2SBP4	L3E
L4	16" DIAMETER LED HIGHBAY. WHITE POLYESTER POWDER COAT FINISH. ROUND. 0-10V DIMMING. SELECTABLE CCT AND SELECTABLE LUMEN OUTPUT. SAFETY CHAIN OR CABLE.	120/277 V	LED	27,000 LM	195 W	4000K, 80 CRI	HOOK	IMPACT RESISTANT POLYCARBONATE LENS	DLC	LITHONIA CPRB	L4
L4E	16" DIAMETER LED HIGHBAY. WHITE POLYESTER POWDER COAT FINISH. ROUND. 0-10V DIMMING. SELECTABLE CCT AND SELECTABLE LUMEN OUTPUT. SAFETY CHAIN OR CABLE. PROVIDE GENERATOR TRANSFER DEVICE.	120/277 V	LED	27,000 LM	195 W	4000K, 80 CRI	HOOK	IMPACT RESISTANT POLYCARBONATE LENS	DLC	LITHONIA CPRB	L4E
L5	4' LENSED LED STRIP LIGHT. 0-10V DIMMING, WHITE FINISH.	120/277 V	LED	5,400 LM	45 W	4000K, 80 CRI	CHAIN MOUNTED TO STRUCTURE	SEMI-FROSTED LENS	DLC	COLUMBIA MPS METALUX SNX LITHONIA CSS DAY-BRITE FSS	L5
L6W	6" ROUND LED DOWNLIGHT. SELF-FLANGED TRIM. 0-10V DIMMING. WET LOCATION LISTED, NON-CONDUCTIVE, DEAD-FRONT CONSTRUCTION.	120/277 V	LED	500 LM	8 W	4000K, 80 CRI	RECESSED	SEMI-SPECULAR LENS	N/A	ALPHABET NL6 HALO COMMERCIAL HC6 GOTHAM EVO6 LIGHTOLIER P6R	L6W
S1	LED SITE FIXTURE. SINGLE-PIECE ALUMINUM HOUSING. ARM MOUNT. U.L. LISTED WET LOCATION. ARCHITECT/OWNER TO SELECT FINISH. ROUND, STRAIGHT, STEEL, POLE DESIGNED TO SUPPORT FIXTURE(S) IN 100 MPH WINDS WITH 1.3 GUST FACTOR. PRIMARY FUSES. FLAT LENS. SURGE PROTECTION. (1) HEAD.	120/277 V	LED	17,000 LM	111 W	4000K, 70 CRI	30' POLE, BASE BY DIVISION 26 CONTRACTOR	TYPE III WIDE DISTRIBUTION	DLC	LITHONIA RSX LUMARK PREVAIL DISCRETE BEACON VIPER GARDCO OPF	S1
WP1	LED WALL LIGHT. DIE-CAST ALUMINUM HOUSING. HINGED DOOR FRAME. ARCHITECT/OWNER TO SELECT FINISH. U.L. LISTED FOR WET LOCATIONS.	120/277 V	LED	5,000 LM	35 W	4000K, 70 CRI	WALL MOUNTED	TYPE III DISTRIBUTION	DLC	MCGRAW-EDISON ISS TRACE LITE SML VERSALED WP37-C BEACON GEOPAK SERIES 2	WP1
WP1E	LED WALL LIGHT. DIE-CAST ALUMINUM HOUSING. HINGED DOOR FRAME. ARCHITECT/OWNER TO SELECT FINISH. U.L. LISTED FOR WET LOCATIONS. PROVIDE GENERATOR TRANSFER DEVICE.	120/277 V	LED	5,000 LM	35 W	4000K, 70 CRI	WALL MOUNTED	TYPE III DISTRIBUTION	DLC	MCGRAW-EDISON ISS TRACE LITE SML VERSALED WP37-C BEACON GEOPAK SERIES 2	WP1E
WP2E	LED WALL LIGHT. DIE-CAST ALUMINUM HOUSING. HINGED DOOR FRAME. ARCHITECT/OWNER TO SELECT FINISH. U.L. LISTED FOR WET LOCATIONS. PROVIDE GENERATOR TRANSFER DEVICE.	120/277 V	LED	5,000 LM	35 W	4000K, 70 CRI	WALL MOUNTED	TYPE IV DISTRIBUTION	DLC	MCGRAW-EDISON ISS TRACE LITE SML VERSALED WP37-C BEACON GEOPAK SERIES 2	WP2E
X1	LED EXIT LIGHT, WHITE THERMOPLASTIC HOUSING. SINGLE FACE. STENCIL FACE, RED LETTERS. AC ONLY. SELF-TESTING/SELF-DIAGNOSTIC.	120/277 V	LED	N/A	5 W	N/A	UNIVERSAL	N/A	N/A	LITHONIA LQM SURE-LITES APX LUMENCIA LLXS CHLORIDE CLX	X1
X1V	LED EXIT LIGHT, WHITE THERMOPLASTIC HOUSING. SINGLE FACE. STENCIL FACE, RED LETTERS. AC ONLY. SELF-TESTING/SELF-DIAGNOSTIC. PROVIDE POLYCARBONATE VANDAL PROOF COVER.	120/277 V	LED	N/A	5 W	N/A	UNIVERSAL	N/A	N/A	LITHONIA LQM SURE-LITES APX LUMENCIA LLXS CHLORIDE CLX	X1V
X2	LED EXIT LIGHT, WHITE THERMOPLASTIC HOUSING. SINGLE FACE. STENCIL FACE, RED LETTERS. AC ONLY. SELF-TESTING/SELF-DIAGNOSTIC. SELF-POWERED. NICKEL-CADMIUM BATTERY.	120/277 V	LED	N/A	5 W	N/A	UNIVERSAL	N/A	N/A	LITHONIA LQM SURE-LITES APX LUMENCIA LLXS CHLORIDE CLX	X2

GENERAL LIGHT FIXTURE SCHEDULE NOTES

A REFER TO ELECTRICAL SYMBOLS AND ABBREVIATIONS SHEET E-001 FOR ADDITIONAL INFORMATION.
B PROVIDE VIBRATION DAMPERS FOR ALL ALUMINUM AND STEEL POLES 10'-0" AND ABOVE.
C PROVIDE SELF-DIAGNOSTICS AND SELF-TESTING FOR ALL LIFE SAFETY FIXTURES (EXIT FIXTURES, WALL PACKS, INVERTERS BALLASTS, ETC.)
D PROVIDE 0-10V ELECTRONIC DIMMING DRIVER DOWN TO 10% UNLESS OTHERWISE NOTED.
E PROVIDE A MINIMUM OF ONE CLIP PER SIDE UP TO 4' AND CABLE SUPPORTS FOR EACH LIGHT FIXTURE.
F REFER TO ARCHITECTURAL PLANS FOR CEILING TYPE.
G SUBMITT LIGHTING PER APPROPRIATE SPECIFICATION SECTION.

LIGHTING CONTACTORS SCHEDULE

LABEL	EQUIPMENT RATINGS VOLTAGE	AMPERAGE	POLES	NEMA ENCL	ACCESSORIES	COIL CIRCUIT VOLTAGE	PANEL	CIRCUIT	CONTROL	REMARKS
LC1	600 V	30 A	8	NEMA 1	H-O-A PILOT LIGHT	120 V	1DL1	1	PHOTOCELL LOCATED ON ROOF	

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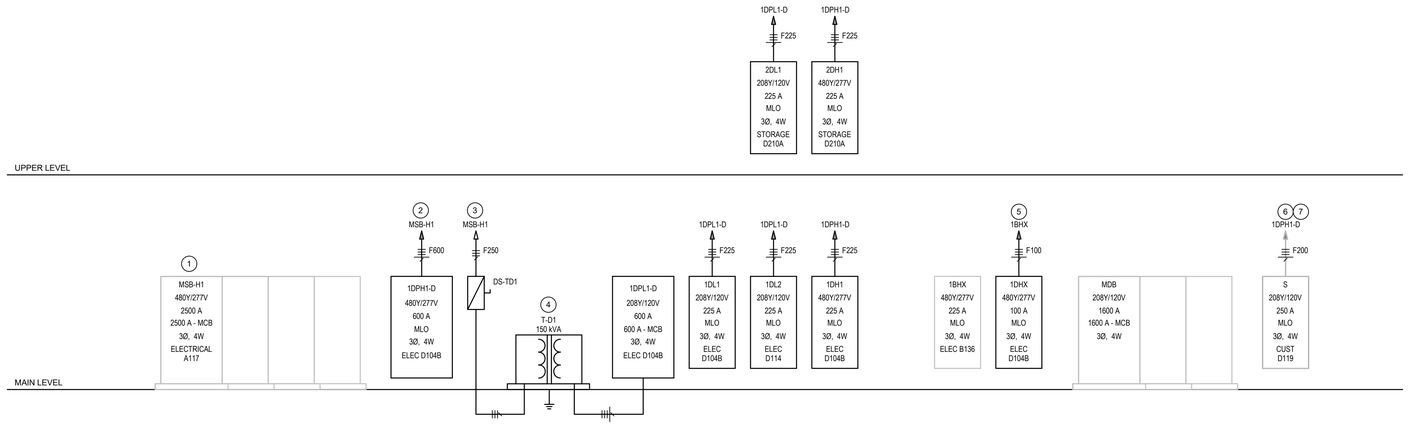
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ELECTRICAL LIGHTING SCHEDULES

Scale:

E-601

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1 ELECTRICAL RISER DIAGRAM
NOT TO SCALE

GENERAL RISER DIAGRAM NOTES

A REFER TO ELECTRICAL SYMBOLS AND ABBREVIATIONS SHEET E-001 FOR ADDITIONAL INFORMATION.

B PROVIDE LABELS ON ALL EQUIPMENT MODIFIED BY THIS PROJECT. PROVIDE LABELS ON ALL JUNCTION BOXES AND CONDUITS MODIFIED OR PROVIDED BY THIS PROJECT. PROVIDE UPDATED PANELBOARD DIRECTORIES ON ALL PANELBOARDS MODIFIED BY THIS PROJECT

◯ RISER DIAGRAM NOTES

1 EXISTING SWITCHBOARD WITH FUSIBLE SWITCHES.

2 USE EXISTING FUSIBLE 600A SPARE SWITCH IN EXISTING SWITCHBOARD TO FEED NEW DISTRIBUTION BOARD. FUSE AT 600A.

3 USE EXISTING FUSIBLE 400A SPARE SWITCH IN EXISTING SWITCHBOARD TO FEED NEW DISTRIBUTION BOARD. FUSE AT 250A.

4 REFER TO LOW-VOLTAGE DISTRIBUTION TRANSFORMERS SCHEDULE FOR PRIMARY AND SECONDARY FEEDER SIZES AND ADDITIONAL DETAILS.

5 REMOVE EXISTING THREE (3) 20A SINGLE POLE SPARE BREAKERS IN EXISTING PANELBOARD "1BHX' AND PROVIDE ONE (1) NEW 60A THREE POLE BREAKER FOR NEW PANELBOARD "1DHX'.

6 REWORK AND EXTEND EXISTING FEEDERS MAINTAINED DURING DEMOLITION TO NEW PANELBOARD LOCATION. VERIFY FEEDER SIZES IN FIELD.

7 REWORK AND EXTEND ALL EXISTING BRANCH/LOAD-SIDE CIRCUITS MAINTAINED DURING DEMOLITION TO NEW PANELBOARD LOCATION.

LOW-VOLTAGE DISTRIBUTION TRANSFORMERS SCHEDULE

LABEL	EQUIPMENT SERVED	EQUIPMENT RATINGS					VOLTAGE		CONNECTION		FEEDER SIZES		GROUNDING / BONDING		REMARKS
		KVA	PHASE	TYPE	MOUNT	NEMA ENCL	PRIMARY	SECONDARY	PRIMARY	SECONDARY	PRIMARY	SECONDARY	GEC	SBJ / SSBJ	
T-D1	1DPL1-D	150	3	DRY	FLOOR	2	480 V	208Y/120	DELTA	WYE	F250	F600	1#2/0GND, 1"C	1#2/0GND, 1"C	

ENCLOSED SWITCHES & CIRCUIT BREAKERS SCHEDULE

LABEL	EQUIPMENT SERVED	EQUIPMENT RATINGS						ACCESSORIES		REMARKS
		VOLTAGE	POLES	AMPERAGE	FUSED	FUSE SIZE	NEMA ENCL	AUX. CONTACTS	SOLID NEUTRAL	
DS-CU1	CU-1/FCU-1	240 V	2	60 A	Yes	35A	3R	(1) N.O. / N.C.	No	
DS-D1	T-D1	600 V	3	400 A	Yes	250A	1	(1) N.O. / N.C.	No	
DS-D101	VAV-D101	600 V	2	60 A	Yes	35A	1	(1) N.O. / N.C.	No	
DS-D104	VAV-D104	600 V	2	30 A	Yes	20A	1	(1) N.O. / N.C.	No	
DS-D120	VAV-D120	600 V	2	30 A	Yes	25A	1	(1) N.O. / N.C.	No	
DS-D121	VAV-D121	600 V	2	60 A	Yes	45A	1	(1) N.O. / N.C.	No	
DS-D200	VAV-D200	600 V	2	30 A	Yes	30A	1	(1) N.O. / N.C.	No	
DS-D205	VAV-D205	600 V	2	30 A	Yes	15A	1	(1) N.O. / N.C.	No	
DS-D206	VAV-D206	600 V	2	30 A	Yes	30A	1	(1) N.O. / N.C.	No	
DS-D207	VAV-D207	600 V	2	30 A	Yes	30A	1	(1) N.O. / N.C.	No	
DS-D208	VAV-D208	600 V	2	30 A	Yes	30A	1	(1) N.O. / N.C.	No	
DS-D209	VAV-D209	600 V	2	30 A	Yes	30A	1	(1) N.O. / N.C.	No	
DS-D210	VAV-D210	600 V	2	60 A	Yes	35A	1	(1) N.O. / N.C.	No	
DS-E129	VAV-E129	240 V	2	60 A	Yes	40A	1	(1) N.O. / N.C.	No	
DS-F101	VAV-F101	600 V	2	30 A	Yes	30A	1	(1) N.O. / N.C.	No	

ENCLOSED & VARIABLE-FREQUENCY MOTOR CONTROLLERS SCHEDULE

LABEL	EQUIPMENT SERVED	EQUIPMENT RATINGS					STARTER		DISCONNECT SWITCH		REMOTE CAPACITOR	REMARKS
		VOLTAGE	PHASE	HP	FLA	NEMA ENCL	TYPE	NEMA SIZE	TYPE	FUSE SIZE		
MS-EF1	EF-1	120 V	1	0.17	2.8 A	-	-	-	-	-	-	HORSE POWER RATED TOGGLE SWITCH WITH MOTOR OVERLOADS.

POWER DISTRIBUTION PANELBOARD SCHEDULE

DESIGNATION: 1DPL1-D **VOLTS:** 208Y/120 V **MAINS RATING:** 600 A
LOCATION: ELECT D104B **PHASES:** 3 **MAINS TYPE:** MCB
MOUNTING: SURFACE **WIRES:** 4 **MCB RATING:** 600 A
SUPPLY FROM: T-D1 **AIC RATING:** 22,000 **MCB OPTIONS:** X

O	CKT NO.	DESCRIPTION	TRIP	P	A	B	C	P	TRIP	DESCRIPTION	CKT NO.	O
	1	PANEL 1DL1 ELEC D104B	225 A	3	13.61 8.32			3	225 A	PANEL 1DL2 STORAGE D114	2	
	3					14.79 8.00					4	
	5						13.68 7.82				6	
	7	PANEL 2DL1 STORAGE D210A	225 A	3	7.56 0.00			3	225 A	SPARE	8	
	9					7.02 0.00					10	--
	11						7.02 0.00				12	
--	13	SPACE	--	1	-- --			1	--	SPACE	14	--
--	15	SPACE	--	1		-- --		1	--	SPACE	16	--
--	17	SPACE	--	1			-- --	1	--	SPACE	18	--
--	19	SPACE	--	1	-- --			1	--	SPACE	20	--
--	21	SPACE	--	1		-- --		1	--	SPACE	22	--
--	23	SPACE	--	1			-- --	1	--	SPACE	24	--
--	25	SPACE	--	1	-- --			1	--	SPACE	26	--
--	27	SPACE	--	1		-- --		1	--	SPACE	28	--
--	29	SPACE	--	1			-- --	1	--	SPACE	30	--
--	31	SPACE	--	1	-- --			1	--	SPACE	32	--
--	33	SPACE	--	1		-- --		1	--	SPACE	34	--
--	35	SPACE	--	1			-- --	1	--	SPACE	36	--
--	37	SPACE	--	1	-- --			1	--	SPACE	38	--
--	39	SPACE	--	1		-- --		1	--	SPACE	40	--
--	41	SPACE	--	1			-- --	1	--	SPACE	42	--
		TOTAL LOAD:			29.49 kVA	29.81 kVA	28.52 kVA					
		TOTAL AMPS:			247 A	250 A	238 A					

TOTAL CONNECTED LOAD: 53.23 kVA **TOTAL DEMAND LOAD:** 53.23 kVA
TOTAL CONNECTED AMPS: 244 A **TOTAL DEMAND AMPS:** 148 A

PANELBOARD & CIRCUIT BREAKER OPTIONS ("O" COLUMN / MCB OPTIONS ABBREVIATIONS)		LOAD CLASSIFICATION	CONNECTED LOAD (VA)	DEMAND FACTOR	ESTIMATE DEMAND (VA)
C	CONTACTOR CONTROLLED	Mechanical - Motor	12037 VA	79.91%	9619 VA
G	GFCI PROTECTED	Power - Continuous	1260 VA	100.00%	1260 VA
P	HANDLE LOCKING DEVICE	RECEPTACLE	74340 VA	56.73%	42170 VA
S	SHUNT TRIP	LE	180 VA	100.00%	180 VA
X	80% RATED CIRCUIT BREAKER WITH LSI				
Y	100% RATED CIRCUIT BREAKER WITH LSI				
Z	100% RATED CIRCUIT BREAKER WITH LSIG				
	FEED THROUGH LUGS (FTL)				
	SUB FEED LUGS (SFL)				

NOTES:

POWER DISTRIBUTION PANELBOARD SCHEDULE

DESIGNATION: 1DPH1-D **VOLTS:** 480Y/277 V **MAINS RATING:** 600 A
LOCATION: ELECT D104B **PHASES:** 3 **MAINS TYPE:** MLO
MOUNTING: SURFACE **WIRES:** 4
SUPPLY FROM: MSB-H1 **AIC RATING:** 65,000

O	CKT NO.	DESCRIPTION	TRIP	P	A	B	C	P	TRIP	DESCRIPTION	CKT NO.	O
	1	RTU-1 - ROOF	100 A	3	21.14 13.24			3	60 A	RTU-3 - ROOF	2	
	3					21.14 13.24					4	
	5						21.14 13.24				6	
	7	RTU-2 - ROOF	100 A	3	21.14 29.89			3	125 A	RTU-4 - ROOF	8	
	9					21.14 29.89					10	
	11						21.14 29.89				12	
	13	ERU-1 - ROOF	60 A	3	10.66 16.77			3	225 A	PANEL 2DH1 STORAGE D210A	14	
	15					10.66 13.84					16	
	17						10.66 14.04				18	
	19	PANEL 1DH1 ELECT D104B	225 A	3	18.18 0.00			3	225 A	SPARE	20	
	21					17.18 0.00					22	--
	23						16.22 0.00				24	
--	25	SPACE	--	1	-- --			1	--	SPACE	26	--
--	27	SPACE	--	1		-- --		1	--	SPACE	28	--
--	29	SPACE	--	1			-- --	1	--	SPACE	30	--
--	31	SPACE	--	1	-- --			1	--	SPACE	32	--
--	33	SPACE	--	1		-- --		1	--	SPACE	34	--
--	35	SPACE	--	1			-- --	1	--	SPACE	36	--
--	37	SPACE	--	1	-- --			1	--	SPACE	38	--
--	39	SPACE	--	1		-- --		1	--	SPACE	40	--
--	41	SPACE	--	1			-- --	1	--	SPACE	42	--
		TOTAL LOAD:			131.01 kVA	127.08 kVA	126.33 kVA					
		TOTAL AMPS:			473 A	459 A	456 A					

TOTAL CONNECTED LOAD: 384 kVA 319.60 kVA **TOTAL DEMAND LOAD:**
TOTAL CONNECTED AMPS: 462 A 384 A **TOTAL DEMAND AMPS:**

PANELBOARD & CIRCUIT BREAKER OPTIONS ("O" COLUMN / MCB OPTIONS ABBREVIATIONS)		LOAD CLASSIFICATION	CONNECTED LOAD (VA)	DEMAND FACTOR	ESTIMATE DEMAND (VA)
		Lighting - Interior	16470 VA	125.00%	20588 VA
C	CONTACTOR CONTROLLED	Lighting - Exterior	473 VA	100.00%	473 VA
G	GFCI PROTECTED	Mechanical - Motor	367474 VA	81.24%	298540 VA
P	HANDLE LOCKING DEVICE	Other	0 VA	0.00%	0 VA
S	SHUNT TRIP				
X	80% RATED CIRCUIT BREAKER WITH LSI				
Y	100% RATED CIRCUIT BREAKER WITH LSI				
Z	100% RATED CIRCUIT BREAKER WITH LSIG				
	FEED THROUGH LUGS (FTL)				
	SUB FEED LUGS (SFL)				

NOTES:

SWITCHBOARD/PANELBOARD NOTES

A REFER TO ELECTRICAL SYMBOLS AND ABBREVIATIONS SHEET E-001 FOR ADDITIONAL INFORMATION.

B VERIFY PANEL / LUG SIZE REQUIRED FOR FEEDERS INDICATED ON ONE-LINE DIAGRAM. MODIFY AS REQUIRED FOR LARGER FEEDERS.

C VERIFY CONDUIT ENTRY LOCATION ON EACH PANEL.

D CONFIRM FINAL ROOM NAMES AND NUMBERS WITH OWNER PRIOR TO CREATING FINAL PANELBOARD DIRECTORIES.

E MODIFY AIC RATINGS INDICATED ON SCHEDULES, AS REQUIRED, PER SPECIFICATION SECTION 260574.99.

PANELBOARD ABBREVIATIONS

FTL	FEED THROUGH LUGS
MCB	MAIN CIRCUIT BREAKER
MFS	MAIN FUSED SWITCH
MLO	MAIN LUGS ONLY
SFL	SUB-FEED LUGS
SPD	SURGE PROTECTION DEVICE

Linton-Stockton Addition and Renovation

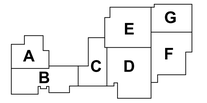
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KEY PLAN



Revisions		
Description	Date	Num

Comm: 260804037
Date: 09/25/2026
Drawn: GSR
Check: DLJ

North

Scale: 12" = 1'-0"

ELECTRICAL RISER DIAGRAM AND SCHEDULES

E-602

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IN

BRANCH PANELBOARD SCHEDULE

DESIGNATION: 2DL1 **VOLTS:** 208Y/120 V **MAINS RATING:** 225 A
LOCATION: STORAGE D210A **PHASES:** 3 **MAINS TYPE:** MLO
MOUNTING: SURFACE **WIRES:** 4
SUPPLY FROM: 1DPL1-D **AIC RATING:** 22,000

O	CKT NO.	DESCRIPTION	TRIP	P	A		B		C		P	TRIP	DESCRIPTION	CKT NO.	O
	1	RECEPTACLE - CLASSROOM D210	20 A	1	0.72	0.72					1	20 A	RECEPTACLE - CLASSROOM D206	2	
	3	RECEPTACLE - CLASSROOM D210	20 A	1			0.72	0.72			1	20 A	RECEPTACLE - CLASSROOM D206	4	
	5	RECEPTACLE - CLASSROOM D210	20 A	1					0.90	0.72	1	20 A	RECEPTACLE - CLASSROOM D206	6	
	7	RECEPTACLE - CLASSROOM D210	20 A	1	0.72	0.90					1	20 A	RECEPTACLE - CLASSROOM D206	8	
	9	RECEPTACLE - CLASSROOM D209	20 A	1			0.72	0.72			1	20 A	RECEPTACLE - CIRC D212	10	
	11	RECEPTACLE - CLASSROOM D209	20 A	1					0.72	0.72	1	20 A	RECEPTACLE - MEETING D205	12	
	13	RECEPTACLE - CLASSROOM D209	20 A	1	0.72	0.54					1	20 A	RECEPTACLE - MEETING D205	14	
	15	RECEPTACLE - CLASSROOM D209	20 A	1			0.90	0.54			1	20 A	RECEPTACLE - MEETING D205	16	
	17	RECEPTACLE - CLASSROOM D208	20 A	1					0.72	0.36	1	20 A	RECEPTACLE - OFFICE D203	18	
	19	RECEPTACLE - CLASSROOM D208	20 A	1	0.72	0.54					1	20 A	RECEPTACLE - OFFICE D203	20	
	21	RECEPTACLE - CLASSROOM D208	20 A	1			0.90	0.36			1	20 A	RECEPTACLE - OFFICE D204	22	
	23	RECEPTACLE - CLASSROOM D208	20 A	1					0.72	0.54	1	20 A	RECEPTACLE - OFFICE D204	24	
	25	RECEPTACLE - CLASSROOM D207	20 A	1	0.72	0.36					1	20 A	RECEPTACLE - SM GRP D201	26	
	27	RECEPTACLE - CLASSROOM D207	20 A	1			0.72	0.72			1	20 A	RECEPTACLE - SM GRP D201	28	
	29	RECEPTACLE - CLASSROOM D207	20 A	1					0.90	0.72	1	20 A	RECEPTACLE - SM GRP D201	30	
	31	RECEPTACLE - CLASSROOM D207	20 A	1	0.72	0.18					1	20 A	TCP - STORAGE D210A	32	
--	33	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	34	--
--	35	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	36	--
--	37	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	38	--
--	39	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	40	--
--	41	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	42	--
--	43	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	44	--
--	45	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	46	--
--	47	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	48	--
--	49	SPACE	--	1	--	--					1	--	SPACE	50	--
--	51	SPACE	--	1			--	--			1	--	SPACE	52	--
--	53	SPACE	--	1					--	--	1	--	SPACE	54	--
--	55	SPACE	--	1	--	--					1	--	SPACE	56	--
--	57	SPACE	--	1			--	--			1	--	SPACE	58	--
--	59	SPACE	--	1					--	--	1	--	SPACE	60	--
		TOTAL LOAD:			7.56 kVA		7.02 kVA		7.02 kVA						
		TOTAL AMPS:			63 A		59 A		59 A						

TOTAL CONNECTED LOAD: 21.60 kVA — 15.89 kVA **TOTAL DEMAND LOAD:**
TOTAL CONNECTED AMPS: 59.96 A — 44 A **TOTAL DEMAND AMPS:**

PANELBOARD & CIRCUIT BREAKER OPTIONS ("O" COLUMN / MCB OPTIONS ABBREVIATIONS)		LOAD CLASSIFICATION	CONNECTED LOAD (VA)	DEMAND FACTOR	ESTIMATE DEMAND (VA)
		Power - Continuous	180 VA	100.00%	180 VA
C	CONTACTOR CONTROLLED	RECEPTACLE	21420 VA	73.34%	15710 VA
G	GFCI PROTECTED				
P	HANDLE LOCKING DEVICE				
S	SHUNT TRIP				
X	80% RATED MAIN CIRCUIT BREAKER WITH LSI				
Y	100% RATED MAIN CIRCUIT BREAKER WITH LSI				
Z	100% RATED MAIN CIRCUIT BREAKER WITH LSIG				
	FEED THROUGH LUGS (FTL)				
	SUB FEED LUGS (SFL)				

NOTES:

BRANCH PANELBOARD SCHEDULE

DESIGNATION: 2DH1 **VOLTS:** 480Y/277 V **MAINS RATING:** 225 A
LOCATION: STORAGE D210A **PHASES:** 3 **MAINS TYPE:** MLO
MOUNTING: SURFACE **WIRES:** 4
SUPPLY FROM: 1DPH1-D **AIC RATING:** 65,000

O	CKT NO.	DESCRIPTION	TRIP	P	A		B		C		P	TRIP	DESCRIPTION	CKT NO.	O
	1	LIGHTING - RM D201, D211, D212	20 A	1	0.47	6.80					1	35 A	VAV-D210 - CLASSROOM D210	2	
	3	LIGHTING - RM D203 TO D207	20 A	1			1.24	6.30			1	30 A	VAV-D209 - CLASSROOM D209	4	
	5	LIGHTING - RM D208 TO D210	20 A	1					1.44	6.30	1	30 A	VAV-D208 - CLASSROOM D208	6	
--	7	SPARE	20 A	1	0.00	6.30					1	30 A	VAV-D207 - CLASSROOM D207	8	
--	9	SPARE	20 A	1			0.00	6.30			1	30 A	VAV-D206 - CLASSROOM D206	10	
--	11	SPARE	20 A	1					0.00	6.30	1	30 A	VAV-D200 - CIRC D200	12	
--	13	SPARE	20 A	1	0.00	3.20					1	15 A	VAV-D205 - MEETING D205	14	
--	15	SPARE	20 A	1			0.00	0.00			1	30 A	SPARE	16	--
--	17	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	18	--
--	19	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	20	--
--	21	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	22	--
--	23	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	24	--
--	25	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	26	--
--	27	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	28	--
--	29	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	30	--
--	31	SPACE	--	1	--	--					1	--	SPACE	32	--
--	33	SPACE	--	1			--	--			1	--	SPACE	34	--
--	35	SPACE	--	1					--	--	1	--	SPACE	36	--
--	37	SPACE	--	1	--	--					1	--	SPACE	38	--
--	39	SPACE	--	1			--	--			1	--	SPACE	40	--
--	41	SPACE	--	1					--	--	1	--	SPACE	42	--
		TOTAL...			16.77 kVA		13.84 kVA		14.04 kVA						
		TOTAL...			61 A		50 A		51 A						

TOTAL CONNECTED LOAD: 44650 VA — 34.51 kVA **TOTAL DEMAND LOAD:**
TOTAL CONNECTED AMPS: 54 A — 42 A **TOTAL DEMAND AMPS:**

PANELBOARD & CIRCUIT BREAKER OPTIONS ("O" COLUMN / MCB OPTIONS ABBREVIATIONS)		LOAD CLASSIFICATION	CONNECTED LOAD (VA)	DEMAND FACTOR	ESTIMATE DEMAND (VA)
		Lighting - Interior	3150 VA	125.00%	3938 VA
C	CONTACTOR CONTROLLED	Mechanical - Motor	41500 VA	73.67%	30575 VA
G	GFCI PROTECTED	Other	0 VA	0.00%	0 VA
P	HANDLE LOCKING DEVICE				
S	SHUNT TRIP				
X	80% RATED MAIN CIRCUIT BREAKER WITH LSI				
Y	100% RATED MAIN CIRCUIT BREAKER WITH LSI				
Z	100% RATED MAIN CIRCUIT BREAKER WITH LSIG				
	FEED THROUGH LUGS (FTL)				
	SUB FEED LUGS (SFL)				

NOTES:

EXISTING BRANCH PANELBOARD SCHEDULE

DESIGNATION: S **VOLTS:** 208Y/120 V **MAINS RATING:** 250 A
LOCATION: CUST D119 **PHASES:** 3 **MAINS TYPE:** MLO
MOUNTING: SURFACE **WIRES:** 4
SUPPLY FROM: MDB **AIC RATING:**

O	CKT NO.	DESCRIPTION	TRIP	P	A		B		C		P	TRIP	DESCRIPTION	CKT NO.	O
--	1	EXISTING CIRCUIT	20 A	1	0.00	0.00					1	20 A	EXISTING CIRCUIT	2	--
--	3	EXISTING CIRCUIT	20 A	1			0.00	--			1	--	SPACE	4	--
--	5	EXISTING CIRCUIT	20 A	1					0.00	0.00	1	20 A	EXISTING CIRCUIT	6	--
--	7	EXISTING CIRCUIT	20 A	1	0.00	0.00					1	20 A	EXISTING CIRCUIT	8	--
--	9	EXISTING CIRCUIT	20 A	1			0.00	0.00			1	20 A	EXISTING CIRCUIT	10	--
--	11	EXISTING CIRCUIT	20 A	1					0.00	0.00	1	20 A	EXISTING CIRCUIT	12	--
--	13	CONCESSION STAND - NOTE 1	100 A	2	0.00	0.00					1	20 A	EXISTING CIRCUIT	14	--
	15						0.00	0.00			1	20 A	EXISTING CIRCUIT	16	--
	17	LIGHTING - RM D119, D122 (NOTE 2)	20 A	1					0.36	0.54	1	20 A	LIGHTING - CLASSROOM E129 (NOTE 2)	18	
	19	RECEPTACLE - RM D119, D122 (NOTE 2)	20 A	1	0.54	0.00					1	20 A	SPARE (NOTE 2)	20	--
	21	LIGHTING - LCKR RM E104, E105 (NOTE 2)	20 A	1			0.42	0.72			1	20 A	RECEPTACLE - CLASSROOM E129	22	
	23	RECEPTACLE - LCKR RM E104 (NOTE 2)	20 A	1					0.36	3.15	2	40 A	VAV-E129 CLASSROOM E129 (NOTE 2)	24	
	25	RECEPTACLE - LCKR RM E105 (NOTE 2)	20 A	1	0.36	3.15								26	
	27	UH-1	30 A	2			2.40	0.72			1	20 A	RECEPTACLE - CLASSROOM E129	28	
	29	LCKR E105 (NOTE 2)							2.40	0.36	1	15 A	EF-1 - ROOF (NOTE 2)	30	
	31	UH-2	30 A	2	2.40	0.72					1	20 A	RECEPTACLE - CLASSROOM E129	32	
	33	LCKR E104 (NOTE 2)					2.40	0.90			1	20 A	RECEPTACLE - CLASSROOM E129	34	
--	35	SPACE	--	1					--	--	1	--	SPACE	36	--
--	37	SPACE	--	1	--	--					1	--	SPACE	38	--
--	39	SPACE	--	1			--	--			1	--	SPACE	40	--
--	41	SPACE	--	1					--	--	1	--	SPACE	42	--
		TOTAL...			7.17 kVA		7.57 kVA		7.17 kVA						
		TOTAL...			60 A		63 A		60 A						

TOTAL CONNECTED LOAD: 21909 VA — 22.43 kVA **TOTAL DEMAND LOAD:**
TOTAL CONNECTED AMPS: 61 A — 62 A **TOTAL DEMAND AMPS:**

PANELBOARD & CIRCUIT BREAKER OPTIONS ("O" COLUMN / MCB OPTIONS ABBREVIATIONS)		LOAD CLASSIFICATION	CONNECTED LOAD (VA)	DEMAND FACTOR	ESTIMATE DEMAND (VA)
		Lighting - Interior	1319 VA	125.00%	1649 VA
C	CONTACTOR CONTROLLED	Mechanical - Motor	16270 VA	101.19%	16463 VA
G	GFCI PROTECTED	RECEPTACLE	4320 VA	100.00%	4320 VA
P	HANDLE LOCKING DEVICE				
S	SHUNT TRIP				
X	80% RATED MAIN CIRCUIT BREAKER WITH LSI				
Y	100% RATED MAIN CIRCUIT BREAKER WITH LSI				
Z	100% RATED MAIN CIRCUIT BREAKER WITH LSIG				
	FEED THROUGH LUGS (FTL)				
	SUB FEED LUGS (SFL)				

NOTES: 1) F100 WIRING AND CONDUIT, TWO HOTS, ONE NEUTRAL, ONE GROUND. VERIFY IN FIELD.
2) PROVIDE NEW CIRCUIT BREAKER.

BRANCH PANELBOARD SCHEDULE

DESIGNATION: 1DL2 **VOLTS:** 208Y/120 V **MAINS RATING:** 225 A
LOCATION: STORAGE D114 **PHASES:** 3 **MAINS TYPE:** MLO
MOUNTING: SURFACE **WIRES:** 4
SUPPLY FROM: 1DPL1-D **AIC RATING:** 22,000

O	CKT NO.	DESCRIPTION	TRIP	P	A		B		C		P	TRIP	DESCRIPTION	CKT NO.	O
	1	RECEPTACLE - EXTERIOR	20 A	1	0.54	0.54					1	20 A	RECEPTACLE - LCKR RM D111	2	
	3	RECEPTACLE - EXTERIOR	20 A	1			0.36	0.54			1	20 A	RECEPTACLE - OFFICE D108	4	
	5	AV RACK - WEIGHT RM D115	20 A	1					0.36	0.54	1	20 A	RECEPTACLE - OFFICE D108	6	
	7	RECEPTACLE - WEIGHT RM D115	20 A	1	0.36	0.54					1	20 A	RECEPTACLE - OFFICE D110	8	
	9	RECEPTACLE - WEIGHT RM D115	20 A	1			0.36	0.54			1	20 A	RECEPTACLE - OFFICE D110	10	
	11	RECEPTACLE - WEIGHT RM D115	20 A	1					0.36	0.50	1	20 A	EWC - CIRC D109	12	
	13	RECEPTACLE - WEIGHT RM D115	20 A	1	0.36	0.54					1	20 A	RECEPTACLE - RM D109, D113	14	
	15	RECEPTACLE - WEIGHT RM D115	20 A	1			0.50	0.36			1	20 A	RECEPTACLE - GYMNASIUM 102	16	
	17									1.08	1	20 A	RECEPTACLE - GYMNASIUM 102	18	
	19						1.08				1	20 A	RECEPTACLE - GYMNASIUM 102	20	
	21							1.08			1	20 A	RECEPTACLE - GYMNASIUM 102	22	
	23									1.08	1	20 A	RECEPTACLE - GYMNASIUM 102	24	
	25						0.90				1	20 A	RECEPTACLE - GYMNASIUM 102	26	
	27							1.08			1	20 A	RECEPTACLE - GYMNASIUM 102	28	
	29									0.90	1	20 A	RECEPTACLE - GYMNASIUM 102	30	
	31						0.18				1	20 A	FLOOR BOX - GYMNASIUM 102	32	
	33							0.18			1	20 A	FLOOR BOX - GYMNASIUM 102	34	
	35									0.18	1	20 A	FLOOR BOX - GYMNASIUM 102	36	
	37						0.18				1	20 A	FLOOR BOX - GYMNASIUM 102	38	
	39							0.54			1	20 A	RECEPTACLE - CIRC F101	40	
	41									0.36	1	20 A	RECEPTACLE - CIRC D101	42	
--	43	SPACE	--	1	--	1.14					1	20 A	BACKSTOP #1 - GYMNASIUM 102	44	
--	45	SPACE	--	1			--	1.14			1	20 A	BACKSTOP #2 - GYMNASIUM 102	46	
--	47	SPACE	--	1					--	1.14	1	20 A	BACKSTOP #3 - GYMNASIUM 102	48	
--	49	SPACE	--	1	--	1.14					1	20 A	BACKSTOP #4 - GYMNASIUM 102	50	
--	51	SPACE	--	1			--	1.14			1	20 A	BACKSTOP #5 - GYMNASIUM 102	52	
--	53	SPACE	--	1					--	1.14	1	20 A	BACKSTOP #6 - GYMNASIUM 102	54	
--	55	SPACE	--	1	--	0.82					1	15 A	DIVIDER CURTAIN - GYMNASIUM 102	56	
--	57	SPACE	--	1					--	0.18	1	20 A	SCOREBOARD - GYMNASIUM 102	58	
--	59	SPACE	--	1							1	20 A	SCOREBOARD - GYMNASIUM 102	60	
--	61	SPACE	--	1	--	--					1	--	SPACE	62	--
--	63	SPACE	--	1			--	--			1	--	SPACE	64	--
--	65	SPACE	--	1					--	--	1	--	SPACE	66	--
--	67	SPACE	--	1	--	--					1	--	SPACE	68	--
--	69	SPACE	--	1			--	--			1	--	SPACE	70	--
--	71	SPACE	--	1					--	--	1	--	SPACE	72	--
		TOTAL LOAD:			8.32 kVA		8.00 kVA		7.82 kVA						
		TOTAL AMPS:			70 A		67 A		65 A						

TOTAL CONNECTED LOAD: 24.14 kVA — 18.78 kVA **TOTAL DEMAND LOAD:**
TOTAL CONNECTED AMPS: 66.99 A — 52 A **TOTAL DEMAND AMPS:**

PANELBOARD & CIRCUIT BREAKER OPTIONS ("O" COLUMN / MCB OPTIONS ABBREVIATIONS)		LOAD CLASSIFICATION	CONNECTED LOAD (VA)	DEMAND FACTOR	ESTIMATE DEMAND (VA)
		Mechanical - Motor	7656 VA	72.34%	5538 VA
C	CONTACTOR CONTROLLED	RECEPTACLE	16480 VA	80.34%	13240 VA
G	GFCI PROTECTED				
P	HANDLE LOCKING DEVICE				
S	SHUNT TRIP				
X	80% RATED MAIN CIRCUIT BREAKER WITH LSI				
Y	100% RATED MAIN CIRCUIT BREAKER WITH LSI				
Z	100% RATED MAIN CIRCUIT BREAKER WITH LSIG				
	FEED THROUGH LUGS (FTL)				
	SUB FEED LUGS (SFL)				

NOTES:

BRANCH PANELBOARD SCHEDULE

DESIGNATION: 1DHX **VOLTS:** 480Y/277 V **MAINS RATING:** 100 A
LOCATION: ELECT D104B **PHASES:** 3 **MAINS TYPE:** MLO
MOUNTING: SURFACE **WIRES:** 4
SUPPLY FROM: 1BHX **AIC RATING:** 65,000

O	CKT NO.	DESCRIPTION	TRIP	P	A		B		C		P	TRIP	DESCRIPTION	CKT NO.	O
	1	EM LIGHTING - EXTERIOR	20 A	1	0.11	0.29					1	20 A	EM LIGHTING - RM D201, D211, D212	2	
	3	EM LIGHTING RM D115	20 A	1			0.33	0.40			1	20 A	EM LIGHTING - RM D05 TO D210	4	
	5	EM LIGHTING - RM D103 TOT D114	20 A	1					0.73	0.99	1	20 A	EM LIGHTING - GYMNASIUM D102	6	
	7	EM LIGHTING - RM F100, F101, D116	20 A	1	0.23	0.99					1	20 A	EM LIGHTING - GYMNASIUM D102	8	
	9	EM LIGHTING - RM D117 TO D121	20 A	1			0.35	0.00			1	20 A	SPARE	10	--
	11	EM LIGHTING - CORRIDOR D101	20 A	1					0.14	0.00	1	20 A	SPARE	12	--
--	13	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	14	--
--	15	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	16	--
--	17	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	18	--
--	19	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	20	--
--	21	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	22	--
--	23	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	24	--
--	25	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	26	--
--	27	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	28	--
--	29	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	30	--
--	31	SPACE	--	1	--	--					1	--	SPACE	32	--
--	33	SPACE	--	1			--	--			1	--	SPACE	34	--
--	35	SPACE	--	1					--	--	1	--	SPACE	36	--
--	37	SPACE	--	1	--	--					1	--	SPACE	38	--
--	39	SPACE	--	1			--	--			1	--	SPACE	40	--
--	41	SPACE	--	1					--	--	1	--	SPACE	42	--
		TOTAL...			1.61 kVA		1.08 kVA		1.85 kVA						
		TOTAL...			6 A		4 A		7 A						

TOTAL CONNECTED LOAD: 4539 VA — 5.65 kVA **TOTAL DEMAND LOAD:**
TOTAL CONNECTED AMPS: 5 A — 7 A **TOTAL DEMAND AMPS:**

PANELBOARD & CIRCUIT BREAKER OPTIONS ("O" COLUMN / MCB OPTIONS ABBREVIATIONS)		LOAD CLASSIFICATION	CONNECTED LOAD (VA)	DEMAND FACTOR	ESTIMATE DEMAND (VA)
		Lighting - Interior	4434 VA	125.00%	5543 VA
C	CONTACTOR CONTROLLED	Lighting - Exterior	105 VA	100.00%	105 VA
G	GFCI PROTECTED				
P	HANDLE LOCKING DEVICE				
S	SHUNT TRIP				
X	80% RATED MAIN CIRCUIT BREAKER WITH LSI				
Y	100% RATED MAIN CIRCUIT BREAKER WITH LSI				
Z	100% RATED MAIN CIRCUIT BREAKER WITH LSIG				
	FEED THROUGH LUGS (FTL)				
	SUB FEED LUGS (SFL)				

NOTES:

PANELBOARD ABBREVIATIONS

FTL	FEED THROUGH LUGS
MCB	MAIN CIRCUIT BREAKER
MFS	MAIN FUSED SWITCH
MLO	MAIN LUGS ONLY
SFL	SUB-FEED LUGS
SPD	SURGE PROTECTION DEVICE

SWITCHBOARD/PANELBOARD NOTES

A REFER TO ELECTRICAL SYMBOLS AND ABBREVIATIONS SHEET E-001 FOR ADDITIONAL INFORMATION.
B VERIFY PANEL / LUG SIZE REQUIRED FOR FEEDERS INDICATED ON ONE-LINE DIAGRAM. MODIFY AS REQUIRED FOR LARGER FEEDERS.
C VERIFY CONDUIT ENTRY LOCATION ON EACH PANEL.
D CONFIRM FINAL ROOM NAMES AND NUMBERS WITH OWNER PRIOR TO CREATING FINAL PANELBOARD DIRECTORIES.
E MODIFY AIC RATINGS INDICATED ON SCHEDULES, AS REQUIRED, PER SPECIFICATION SECTION 260574.99.

BRANCH PANELBOARD SCHEDULE

DESIGNATION: 1DL1 **VOLTS:** 208Y/120 V **MAINS RATING:** 225 A
LOCATION: ELECT D104B **PHASES:** 3 **MAINS TYPE:** MLO
MOUNTING: SURFACE **WIRES:** 4
SUPPLY FROM: 1DPL1-D **AIC RATING:** 22,000

O	CKT NO.	DESCRIPTION	TRIP	P	A		B		C		P	TRIP	DESCRIPTION	CKT NO.	O
	1	LIGHTING CONTACTOR LC1	20 A	1	0.18	2.01					2	35 A	FCU-1/CU-1 ROOF	2	
	3	FACP - IDF D104C	20 A	1			0.36	2.01						4	
	5	RECEPTACLE - IDF D104C	20 A	1					0.18	0.18	1	20 A	RECEPTACLE - ROOF	6	
	7	RECEPTACLE - IDF D104C	20 A	1	0.18	0.18					1	20 A	RECEPTACLE - ROOF	8	
	9	RECEPTACLE - IDF D104C	20 A	1			0.36	0.18			1	20 A	RECEPTACLE - ROOF	10	
	11	RECEPTACLE - IDF D104C	20 A	1					0.36	0.18	1	20 A	RECEPTACLE - ROOF	12	
	13	RECEPTACLE - IDF D104C	20 A	1	0.36	0.18					1	20 A	RECEPTACLE - ROOF	14	
	15	ACCESS CONTROL - IDF D104C	20 A	1			0.18	0.18			1	20 A	RECEPTACLE - ROOF	16	
	17	RECEPTACLE - MINER HUB D121	20 A	1					1.08	0.72	1	20 A	RECEPTACLE - CIRC 104, ELEC D104B	18	
	19	RECEPTACLE - MINER HUB D121	20 A	1	0.36	0.36					1	20 A	RECEPTACLE - OFFICE D104A	20	
	21	RECEPTACLE - MINER HUB D121	20 A	1			0.36	0.54			1	20 A	RECEPTACLE - OFFICE D104A	22	
	23	RECEPTACLE - MINER HUB D121	20 A	1					0.72	0.36	1	20 A	RECEPTACLE - MINER HUB D107	24	
	25	RECEPTACLE - MINER HUB D121	20 A	1	0.90	0.00					1	20 A	SPARE	26	--
	27	RECEPTACLE - MINER HUB D121	20 A	1			0.54	2.50			2	30 A	DRYER - LAUNDRY D107	28	G
	29	REFRIGERATOR - MINER HUB D121	20 A	1					0.50	2.50				30	
	31	MICROWAVE - MINER HUB D121	20 A	1	1.00	2.50					2	30 A	DRYER - LAUNDRY D107	32	G
	33	REFRIGERATOR - LOUNGE D120	20 A	1			0.50	2.50						34	
	35	RECEPTACLE - LOUNGE D120	20 A	1					0.36	2.50	2	30 A	DRYER - LAUNDRY D107	36	G
	37	RECEPTACLE - LOUNGE D120	20 A	1	0.54	2.50								38	
	39	RECEPTACLE - LOUNGE D120	20 A	1			0.54	2.50			2	30 A	DRYER - LAUNDRY D107	40	G
	41	RECEPTACLE - TOILET D120A, D120B	20 A	1					0.36	2.50				42	
	43	RECEPTACLE - RR D117, D118	20 A	1	0.36	1.00					1	20 A	WASHER - LAUNDRY D107	44	
	45	RECEPTACLE - LCKR RM D105	20 A	1			0.54	1.00			1	20 A	WASHER - LAUNDRY D107	46	
--	47	SPARE	20 A	1					0.00	1.00	1	20 A	WASHER - LAUNDRY D107	48	
--	49	SPARE	20 A	1	0.00	1.00					1	20 A	WASHER - LAUNDRY D107	50	
--	51	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	52	--
--	53	SPARE	20 A	1					0.00	0.18	1	20 A	TCP - STORAGE D103	54	
--	55	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	56	--
--	57	SPARE	20 A	1			0.00	0.00			1

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SHEET NOTES

1. EXISTING HIGH SCHOOL MDF RACK LOCATION. EXISTING RACKS TO REMAIN THROUGHOUT CONSTRUCTION.
2. APPROXIMATE LOCATION OF EXISTING MAIN FIBER FEED LOCATION
3. EXISTING UG CONDUIT AND FIBER OPTIC CABLING BETWEEN HIGH SCHOOL MDF AND DAYCARE TO BE DEMOLISHED TO ACCOMODATE NEW BUILDING ADDITION.
4. EXISTING DAYCARE RACK LOCATION TO REMAIN THROUGHTOUT CONSTRUCTION
5. EXISITING COPPER AND COAXIAL CABLING SERVING DAYCARE. NO LONGER IN USE, BUT CAN REMAIN IN PLACE THROUGHOUT CONSTRUCTION. CONFIRM PATH AND DEPTH.
6. EXISTING CONDUIT AND FIBER OPTIC CABLING TRANSITION TO OVERHEAD ROUTING WITHIN EXISITING CORRIDOR CEILING SPACE. DEMOLISH EXISTING CONDUIT AND CABLING FROM INTERIOR OF BUILDING AS WELL.

GENERAL DEMOLITION NOTES

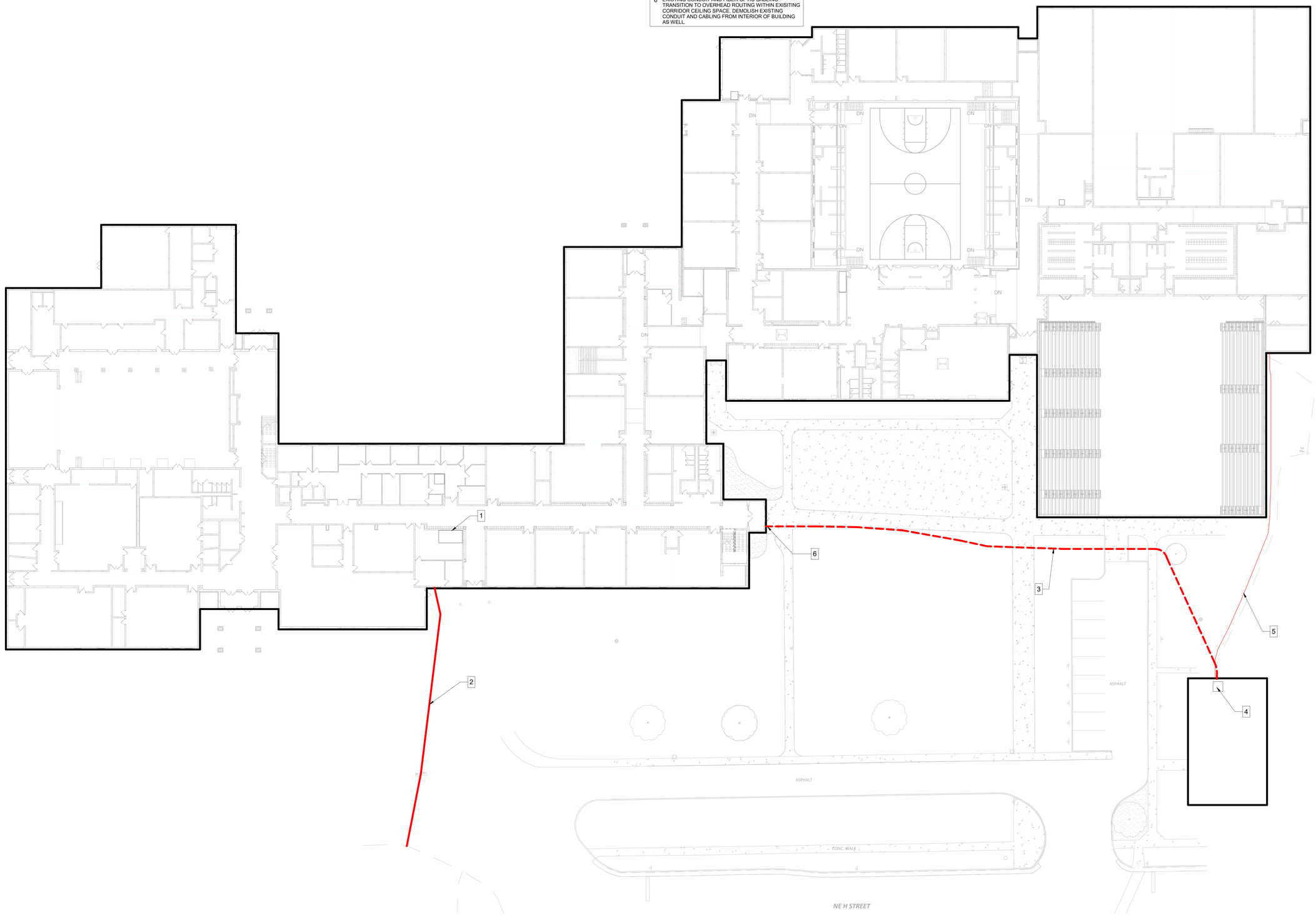
A	CONTRACTOR SHALL DEMOLISH ALL EXISTING CABLING OUTLETS WITHIN THE CONSTRUCTION AREA. OUTLETS WITHIN AREAS THAT ARE TO REMAIN OCCUPIED SHALL BE PROTECTED IN PLACE UNTIL SUCH OUTLETS ARE NO LONGER REQUIRED.
B	DEMOLITION SHALL REQUIRE CABLING BE REMOVED IN ITS ENTIRETY FROM THE WORK AREA OUTLET BACK TO THE POINT OF TERMINATION IN THE ASSOCIATED TELECOM ROOM. PROVIDE AND INSTALL BLANK FACEPLATE FOR ALL FLUSH MOUNT LOCATIONS THAT ARE WITHIN WALLS TO REMAIN THROUGHOUT CONSTRUCTION.
C	ALL DEMOLITION SHALL BE COMPLETED ACCORDING TO THE DIVISION 27 SPECIFICATIONS.

GENERAL DEMOLITION NOTES

D	OUTSIDE DEMOLITION LIMITS OR WHERE SPECIFICALLY NOTED ON THE DRAWINGS, ALL EXISTING ALARM AND SECURITY SYSTEM COMPONENTS SERVING THE FACILITY SHALL REMAIN FULLY OPERATIONAL THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL PROVIDE AT LEAST 48 HOUR NOTICE TO THE OWNER OF ANY DOWNTIME ASSOCIATED WITH DEMOLITION ACTIVITIES SO PROPER MEASURES MAY BE TAKEN.
E	UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING SECURITY SYSTEM COMPONENTS WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.

GENERAL DEMOLITION NOTES

F	UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING AUDIO-VISUAL EQUIPMENT WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.
G	UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING TELECOM EQUIPMENT WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.
H	EXISTING IDF/MDF LOCATION TO REMAIN THROUGHOUT CONSTRUCTION. CONTRACTOR TO PROTECT ROOM, EQUIPMENT, AND CABLING DURING CONSTRUCTION.



1 TECHNOLOGY SITE DEMOLITION PLAN
3/64" = 1'-0"

100% CD SET

Linton-Stockton Addition and Renovation

10 H St NE
Linton, IN 47441

260804037
Linton-Stockton Schools
10 H St NE, Linton, IN 47441

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KEY PLAN

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
Matthew Connolly
BICSI ID # 232868
EXPIRES 12-31-27
RCDD

Revisions		
Description	Date	Num

Comm: 260804037
Date: 09/25/2026
Drawn: TRY/HMB
Check: MJC

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TECHNOLOGY SITE DEMOLITION PLAN

Scale: 3/64" = 1'-0"

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DEMOLITION LEGEND

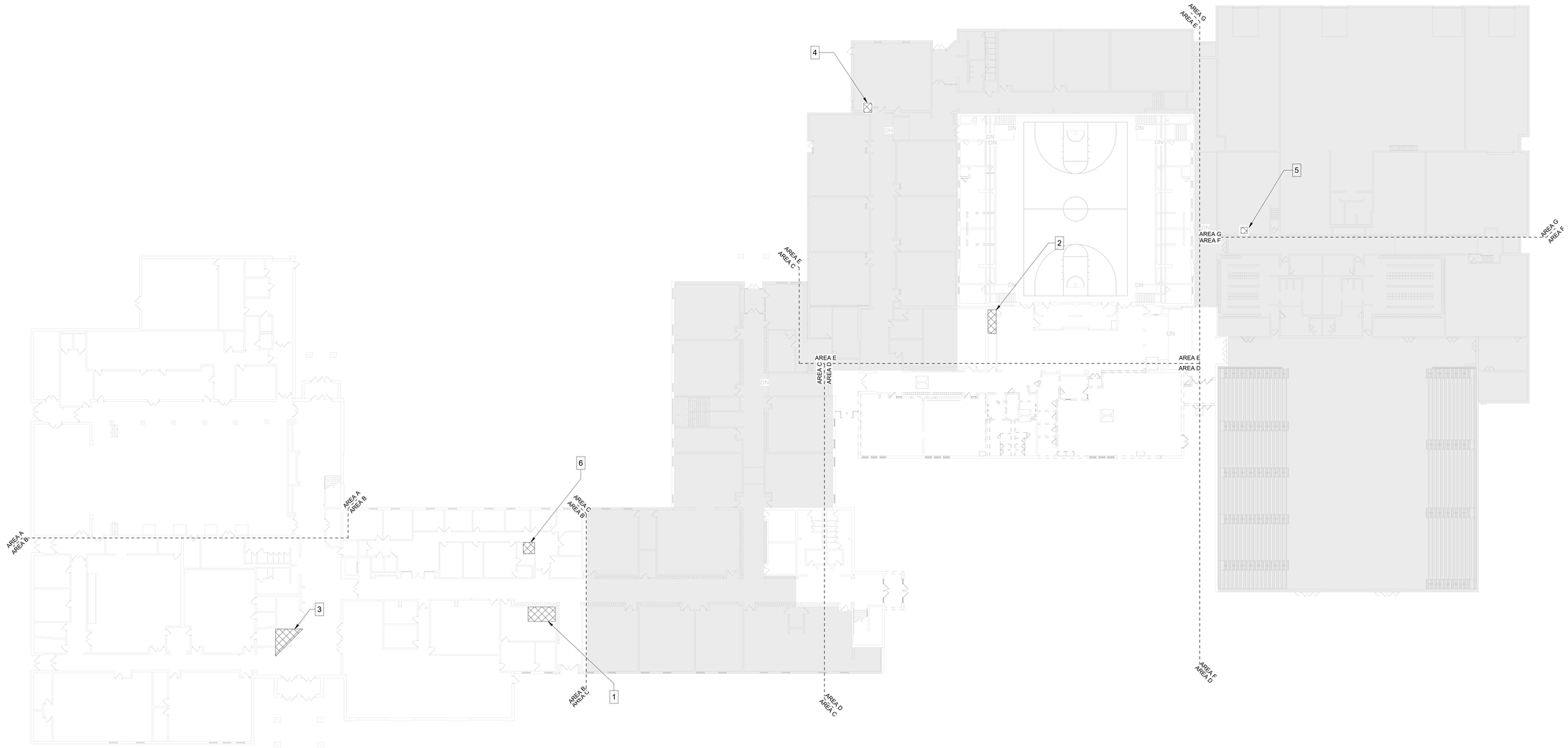
DV	DATA VOICE LOCATION
AP	WIRELESS ACCESS POINT - CEILING MOUNTED
S	PAGING SPEAKER - CEILING MOUNTED
SPK	PAGING SPEAKER - WALL MOUNTED
ST	STROBE LIGHT - CEILING MOUNTED
ST	STROBE LIGHT - WALL MOUNTED
VI	VIDEO INTERCOM DOOR STATION
AS	VIDEO INTERCOM ANSWERING STATION
SC	SECURITY CAMERA - CEILING MOUNTED

SHEET NOTES

1. EXISTING HIGH SCHOOL MDF RACK LOCATION. EXISTING RACKS TO REMAIN THROUGHOUT CONSTRUCTION.
2. EXISTING MIDDLE MDF RACK LOCATION. EXISTING RACKS AND TERMINATIONS TO REMAIN UNLESS OTHERWISE NOTED.
3. EXISTING HIGH SCHOOL IDF #2 LOCATION TO REMAIN THROUGHOUT CONSTRUCTION
4. EXISTING MIDDLE SCHOOL IDF LOCATION TO REMAIN THROUGHOUT CONSTRCUTION.
5. EXISTING MIDDLE SCHOOL IDF LOCATION TO REMAIN THROUGHOUT CONSTRUCTION.
6. EXISTING INTERCOM/PAGING HEADED LOCATION TO REMAIN THROUGHOUT CONSTRUCTION. EXISTING SPEAKERS SERVED FROM THIS RACK LOCATION WITHIN THE CONSTRUCTION LIMITS SHALL BE DEMOLISHED ENTIRELY.

GENERAL DEMOLITION NOTES

A	CONTRACTOR SHALL DEMOLISH ALL EXISTING CABLING OUTLETS WITHIN THE CONSTRUCTION AREA. OUTLETS WITHIN AREAS THAT ARE TO REMAIN OCCUPIED SHALL BE PROTECTED IN PLACE UNTIL SUCH OUTLETS ARE NO LONGER REQUIRED.
B	DEMOLITION SHALL REQUIRE CABLING BE REMOVED IN ITS ENTIRETY FROM THE WORK AREA OUTLET BACK TO THE POINT OF TERMINATION IN THE ASSOCIATED TELECOM ROOM. PROVIDE AND INSTALL BLANK FACEPLATE FOR ALL FLUSH MOUNT LOCATIONS THAT ARE WITHIN WALLS TO REMAIN THROUGHOUT CONSTRUCTION.
C	ALL DEMOLITION SHALL BE COMPLETED ACCORDING TO THE DIVISION 27 SPECIFICATIONS.
D	OUTSIDE DEMOLITION LIMITS OR WHERE SPECIFICALLY NOTED ON THE DRAWINGS, ALL EXISTING ALARM AND SECURITY SYSTEM COMPONENTS SERVING THE FACILITY SHALL REMAIN FULLY OPERATIONAL THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL PROVIDE AT LEAST 48 HOUR NOTICE TO THE OWNER OF ANY DOWNTIME ASSOCIATED WITH DEMOLITION ACTIVITIES SO PROPER MEASURES MAY BE TAKEN.
E	UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING SECURITY SYSTEM COMPONENTS WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.
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H	EXISTING IDF/MDF LOCATION TO REMAIN THROUGHOUT CONSTRUCTION. CONTRACTOR TO PROTECT ROOM, EQUIPMENT, AND CABLING DURING CONSTRUCTION.



MAIN LEVEL OVERALL DEMOLITION PLAN
1 PLAN
3/64" = 1'-0"

100% CD SET

Linton-Stockton Addition and Renovation

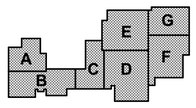
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Matthew Connolly
BICSI ID # 232960
EXPIRES 12-31-27
RCDD

Revisions		
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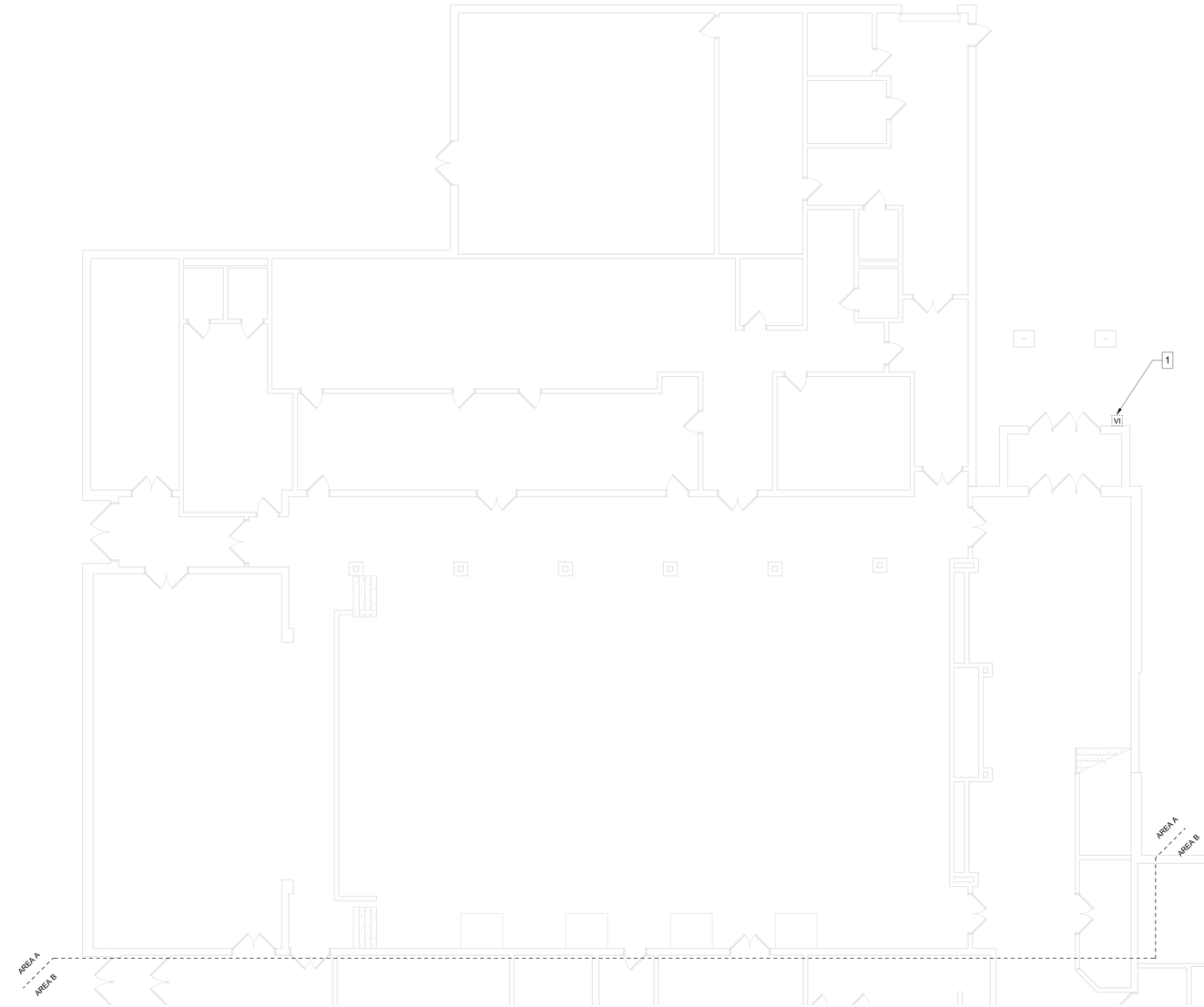
MAIN LEVEL OVERALL DEMOLITION PLAN

Scale: As Indicated

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1 A MAIN LEVEL DEMOLITION PLAN - AREA
1/8" = 1'-0"

GENERAL DEMOLITION NOTES

A	CONTRACTOR SHALL DEMOLISH ALL EXISTING CABLING OUTLETS WITHIN THE CONSTRUCTION AREA. OUTLETS WITHIN AREAS THAT ARE TO REMAIN OCCUPIED SHALL BE PROTECTED IN PLACE UNTIL SUCH OUTLETS ARE NO LONGER REQUIRED.
B	DEMOLITION SHALL REQUIRE CABLING BE REMOVED IN ITS ENTIRETY FROM THE WORK AREA OUTLET BACK TO THE POINT OF TERMINATION IN THE ASSOCIATED TELECOM ROOM. PROVIDE AND INSTALL BLANK FACEPLATE FOR ALL FLUSH MOUNT LOCATIONS THAT ARE WITHIN WALLS TO REMAIN THROUGHOUT CONSTRUCTION.
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H	EXISTING IDF/MDF LOCATION TO REMAIN THROUGHOUT CONSTRUCTION. CONTRACTOR TO PROTECT ROOM, EQUIPMENT, AND CABLING DURING CONSTRUCTION.

DEMOLITION LEGEND

- DATA VOICE LOCATION
- WAP — WIRELESS ACCESS POINT - CEILING MOUNTED
- S — PAGING SPEAKER - CEILING MOUNTED
- SPK — PAGING SPEAKER - WALL MOUNTED
- ST — STROBE LIGHT - CEILING MOUNTED
- ST — STROBE LIGHT - WALL MOUNTED
- VI — VIDEO INTERCOM DOOR STATION
- AS — VIDEO INTERCOM ANSWERING STATION
- SC — SECURITY CAMERA - CEILING MOUNTED

SHEET NOTES

1 EXISTING AIPHONE DOOR STATION TO BE REPLACED. REMOVE DEVICE AND ASSOCIATED CABLING. EXISTING PATHWAY AND BACK BOX SHALL REMAIN IN PLACE AND BE REUTILIZED FOR INSTALLATION OF NEW DOOR STATION. COORDINATE WITH THE OWNER AND INSTALLATION CONTRACTOR TO ENSURE SCHOOL OPERATIONS ARE NOT IMPACTED BY ANY REQUIRED DOWN TIME DURING TRANSITION TO NEW DEVICES. REFER TO SHEET T2.01A FOR NEW CABLING REQUIREMENTS.

Linton-Stockton Addition and Renovation

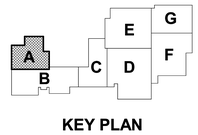
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KEY PLAN

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Matthew Connolly
BICSI ID # 252502
EXPIRES 12-31-27
RCDD

Revisions		
Description	Date	Num

Comm: 260804037
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Check: MJC

North

MAIN LEVEL DEMOLITION PLAN - AREA A

Scale: As Indicated

100% CD SET

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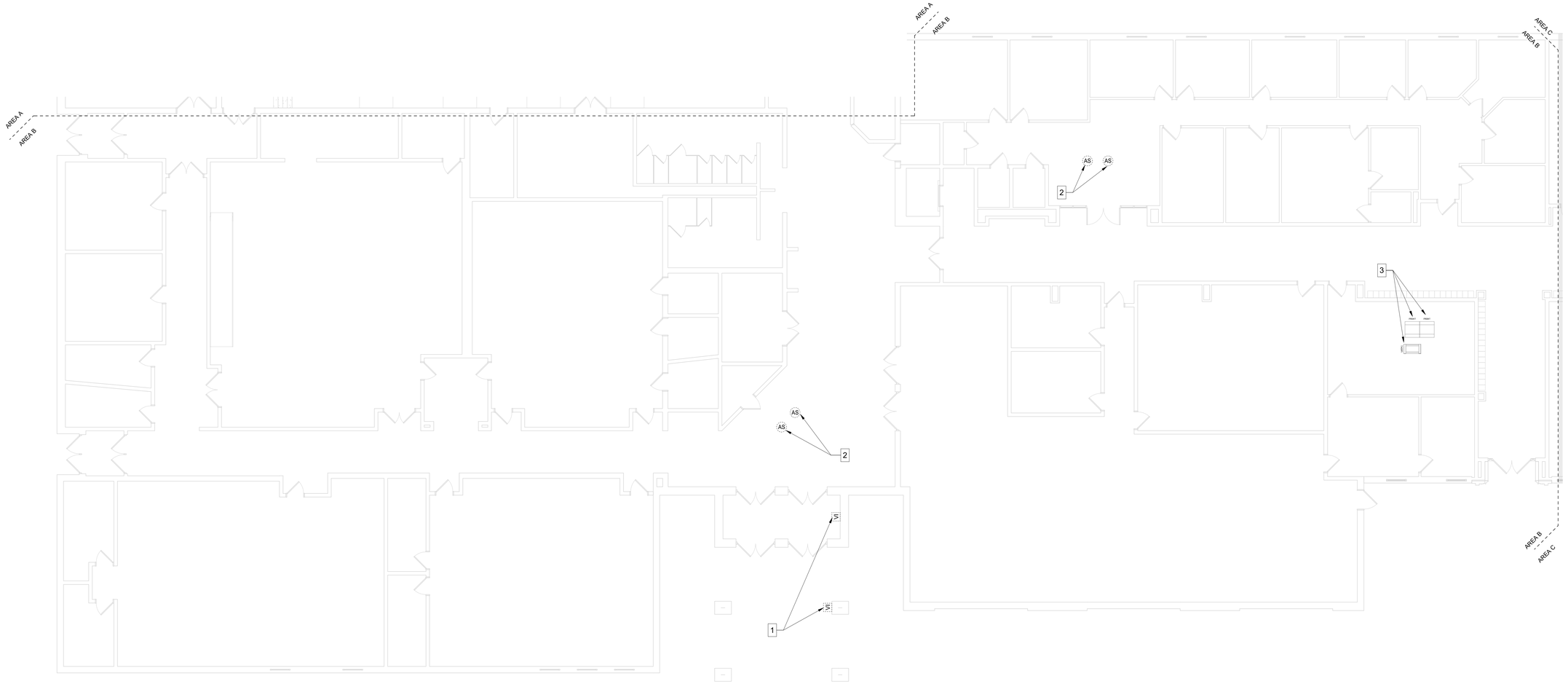
MN

DEMOLITION LEGEND	
	DATA VOICE LOCATION
AP	WIRELESS ACCESS POINT - CEILING MOUNTED
S	PAGING SPEAKER - CEILING MOUNTED
SPK	PAGING SPEAKER - WALL MOUNTED
ST	STROBE LIGHT - CEILING MOUNTED
ST	STROBE LIGHT - WALL MOUNTED
VI	VIDEO INTERCOM DOOR STATION
AS	VIDEO INTERCOM ANSWERING STATION
SC	SECURITY CAMERA - CEILING MOUNTED

GENERAL DEMOLITION NOTES	
A	CONTRACTOR SHALL DEMOLISH ALL EXISTING CABLING OUTLETS WITHIN THE CONSTRUCTION AREA. OUTLETS WITHIN AREAS THAT ARE TO REMAIN OCCUPIED SHALL BE PROTECTED IN PLACE UNTIL SUCH OUTLETS ARE NO LONGER REQUIRED.
B	DEMOLITION SHALL REQUIRE CABLING BE REMOVED IN ITS ENTIRETY FROM THE WORK AREA OUTLET BACK TO THE POINT OF TERMINATION IN THE ASSOCIATED TELECOM ROOM. PROVIDE AND INSTALL BLANK FACEPLATE FOR ALL FLUSH MOUNT LOCATIONS THAT ARE WITHIN WALLS TO REMAIN THROUGHOUT CONSTRUCTION.
C	ALL DEMOLITION SHALL BE COMPLETED ACCORDING TO THE DIVISION 27 SPECIFICATIONS.
D	OUTSIDE DEMOLITION LIMITS OR WHERE SPECIFICALLY NOTED ON THE DRAWINGS, ALL EXISTING ALARM AND SECURITY SYSTEM COMPONENTS SERVING THE FACILITY SHALL REMAIN FULLY OPERATIONAL THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL PROVIDE AT LEAST 48 HOUR NOTICE TO THE OWNER OF ANY DOWNTIME ASSOCIATED WITH DEMOLITION ACTIVITIES SO PROPER MEASURES MAY BE TAKEN.
E	UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING SECURITY SYSTEM COMPONENTS WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.
F	UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING AUDIO-VISUAL EQUIPMENT WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.
G	UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING TELECOM EQUIPMENT WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.
H	EXISTING IDF/MDF LOCATION TO REMAIN THROUGHOUT CONSTRUCTION. CONTRACTOR TO PROTECT ROOM, EQUIPMENT, AND CABLING DURING CONSTRUCTION.

SHEET NOTES

1. EXISTING AIPHONE DOOR STATION TO BE REPLACED. REMOVE DEVICE AND ASSOCIATED CABLING. EXISTING PATHWAY AND BACK BOX SHALL REMAIN IN PLACE AND BE REUTILIZED FOR INSTALLATION OF NEW DOOR STATION. COORDINATE WITH THE OWNER AND INSTALLATION CONTRACTOR TO ENSURE SCHOOL OPERATIONS ARE NOT IMPACTED BY ANY REQUIRED DOWN TIME DURING TRANSITION TO NEW DEVICES. REFER TO SHEET T2.01B FOR NEW CABLING REQUIREMENTS.
2. EXISTING AIPHONE ANSWERING STATION TO BE REPLACED. REMOVE DEVICE AND ASSOCIATED CABLING. COORDINATE WITH THE OWNER AND INSTALLATION CONTRACTOR TO ENSURE SCHOOL OPERATIONS ARE NOT IMPACTED BY ANY REQUIRED DOWN TIME DURING TRANSITION TO NEW DEVICES. REFER TO SHEET T2.01B FOR NEW CABLING REQUIREMENTS.
3. EXISTING MDF RACK LOCATIONS TO REMAIN. MODIFY EXISTING EQUIPMENT AND CABLING AS REQUIRED.



MAIN LEVEL DEMOLITION PLAN - AREA B
1/8" = 1'-0"

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Linton-Stockton Addition and Renovation

10 H St NE
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260804037

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KEY PLAN

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BICSI ID # 212993
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Revisions		
Description	Date	Num

Comm: 260804037
Date: 09/25/2026
Drawn: TRY/HMB
Check: MJC

North

MAIN LEVEL DEMOLITION PLAN - AREA B

Scale: As indicated

TD.01B

Author:Tyler Young Boston Wade Boyd Milton and Renovation Linton Stockton Addition and Renovation_R25.rvt
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MN



MAIN LEVEL DEMOLITION PLAN - AREA D
1/8" = 1'-0"

E

GENERAL DEMOLITION NOTES

A	CONTRACTOR SHALL DEMOLISH ALL EXISTING CABLING OUTLETS WITHIN THE CONSTRUCTION AREA. OUTLETS WITHIN AREAS THAT ARE TO REMAIN OCCUPIED SHALL BE PROTECTED IN PLACE UNTIL SUCH OUTLETS ARE NO LONGER REQUIRED.
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H	EXISTING IDF/MDF LOCATION TO REMAIN THROUGHOUT CONSTRUCTION. CONTRACTOR TO PROTECT ROOM, EQUIPMENT, AND CABLING DURING CONSTRUCTION.

DEMOLITION LEGEND

- DATA VOICE LOCATION
- (AP) WIRELESS ACCESS POINT - CEILING MOUNTED
- (S) PAGING SPEAKER - CEILING MOUNTED
- PAGING SPEAKER - WALL MOUNTED
- (ST) STROBE LIGHT - CEILING MOUNTED
- STROBE LIGHT - WALL MOUNTED
- (VI) VIDEO INTERCOM DOOR STATION
- (AS) VIDEO INTERCOM ANSWERING STATION
- (SC) SECURITY CAMERA - CEILING MOUNTED

Linton-Stockton Addition and Renovation

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MAIN LEVEL DEMOLITION PLAN - AREA D

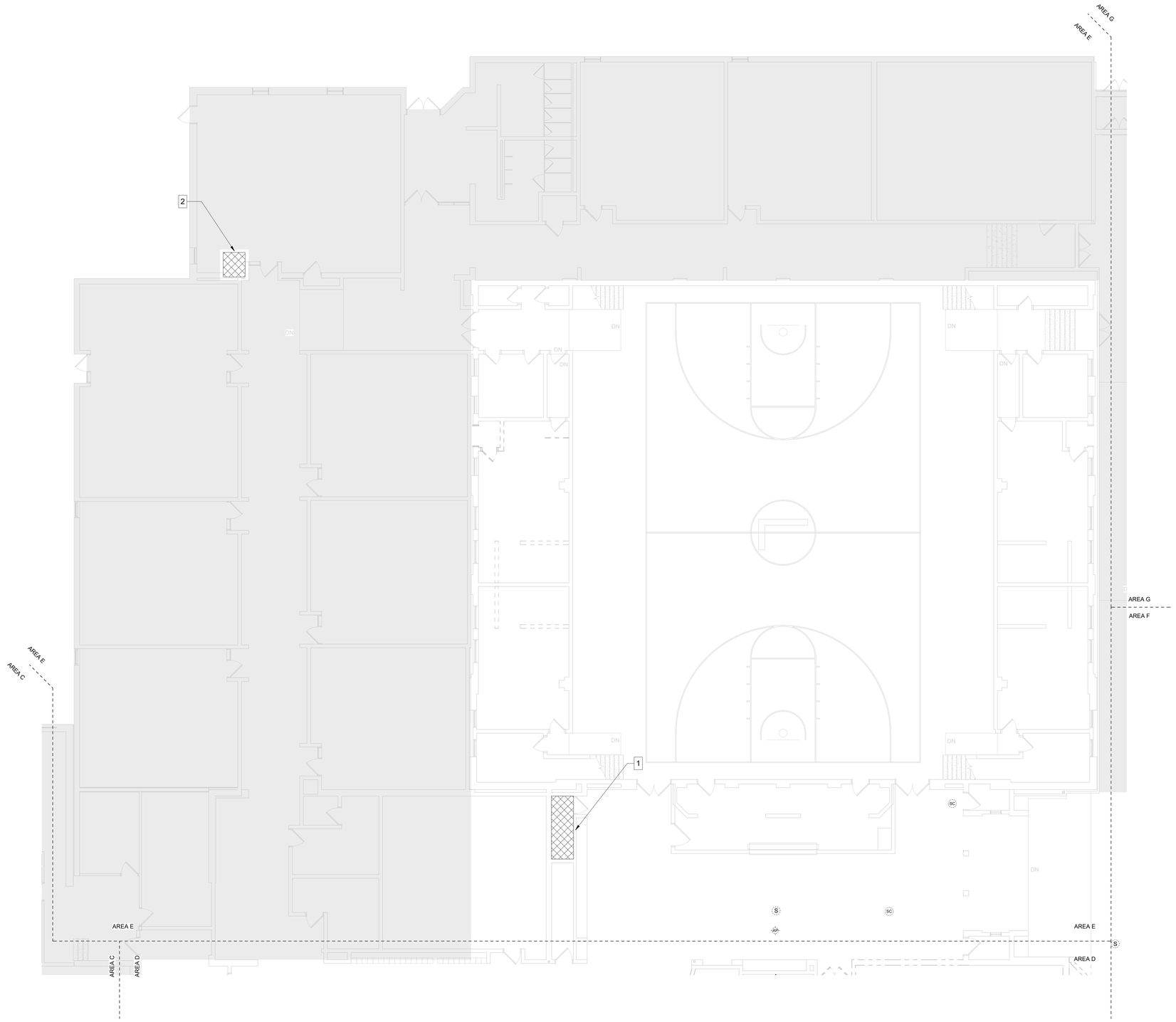
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MN



E

1 MAIN LEVEL DEMOLITION PLAN - AREA E
1/8" = 1'-0"

GENERAL DEMOLITION NOTES	
A	CONTRACTOR SHALL DEMOLISH ALL EXISTING CABLING OUTLETS WITHIN THE CONSTRUCTION AREA. OUTLETS WITHIN AREAS THAT ARE TO REMAIN OCCUPIED SHALL BE PROTECTED IN PLACE UNTIL SUCH OUTLETS ARE NO LONGER REQUIRED.
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DEMOLITION LEGEND	
	DATA VOICE LOCATION
AP	WIRELESS ACCESS POINT - CEILING MOUNTED
S	PAGING SPEAKER - CEILING MOUNTED
PS	PAGING SPEAKER - WALL MOUNTED
ST	STROBE LIGHT - CEILING MOUNTED
ST	STROBE LIGHT - WALL MOUNTED
VI	VIDEO INTERCOM DOOR STATION
AS	VIDEO INTERCOM ANSWERING STATION
SC	SECURITY CAMERA - CEILING MOUNTED

SHEET NOTES

1. EXISTING MIDDLE MDF RACK LOCATION. EXISTING RACKS AND TERMINATIONS TO REMAIN UNLESS OTHERWISE NOTED.
2. EXISTING MIDDLE SCHOOL IDF LOCATION TO REMAIN THROUGHOUT CONSTRCUTION.

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Revisions		
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Comm: 260804037
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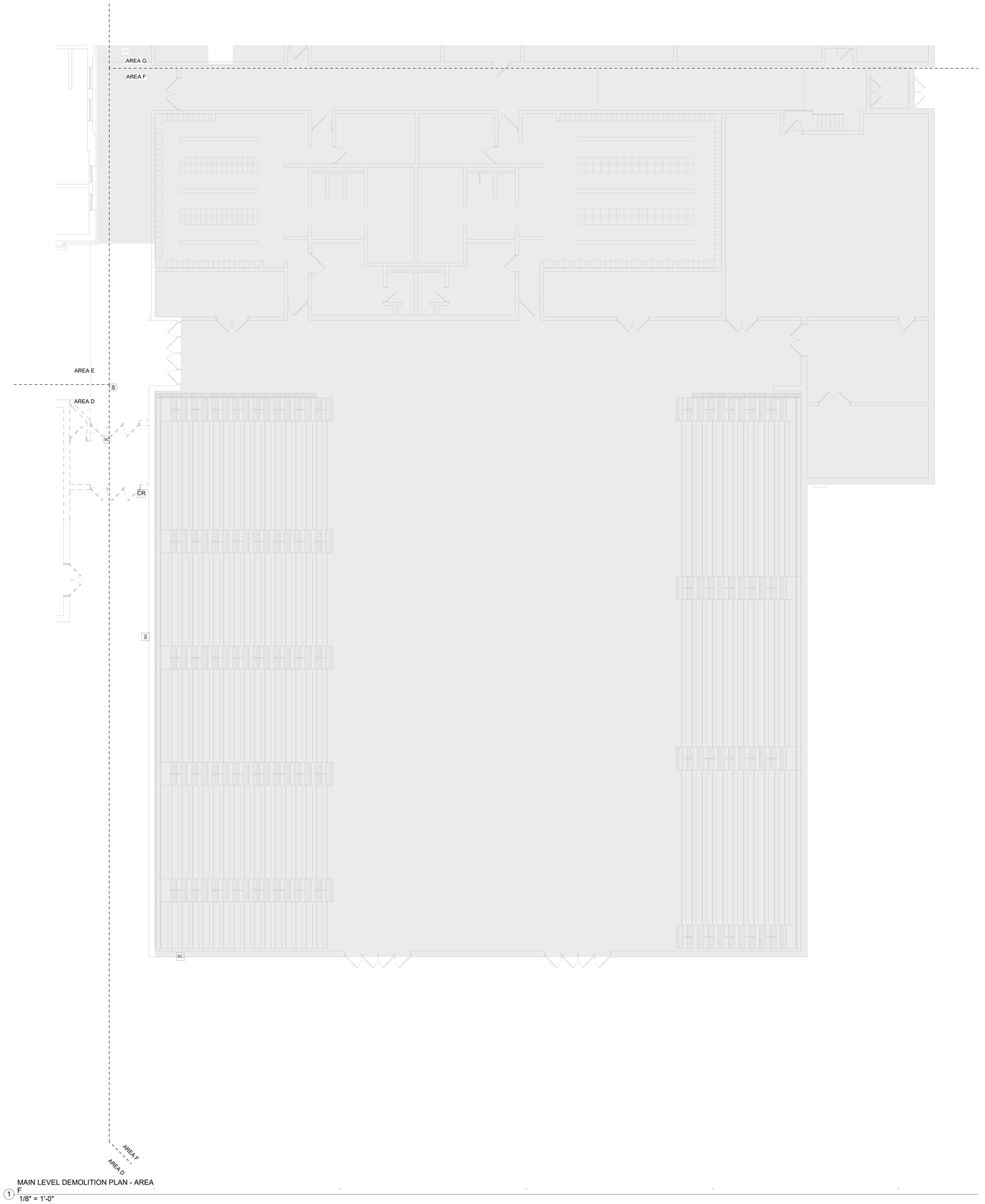
MAIN LEVEL DEMOLITION PLAN - AREA E

Scale: As indicated

100% CD SET

TD.01E

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MAIN LEVEL DEMOLITION PLAN - AREA F

1/8" = 1'-0"

GENERAL DEMOLITION NOTES

A	CONTRACTOR SHALL DEMOLISH ALL EXISTING CABLING OUTLETS WITHIN THE CONSTRUCTION AREA. OUTLETS WITHIN AREAS THAT ARE TO REMAIN OCCUPIED SHALL BE PROTECTED IN PLACE UNTIL SUCH OUTLETS ARE NO LONGER REQUIRED.
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H	EXISTING IDF/MDF LOCATION TO REMAIN THROUGHOUT CONSTRUCTION. CONTRACTOR TO PROTECT ROOM, EQUIPMENT, AND CABLING DURING CONSTRUCTION.

DEMOLITION LEGEND

- DATA VOICE LOCATION
- WAP — WIRELESS ACCESS POINT - CEILING MOUNTED
- S — PAGING SPEAKER - CEILING MOUNTED
- SPK — PAGING SPEAKER - WALL MOUNTED
- ST — STROBE LIGHT - CEILING MOUNTED
- ST — STROBE LIGHT - WALL MOUNTED
- VI — VIDEO INTERCOM DOOR STATION
- AS — VIDEO INTERCOM ANSWERING STATION
- SC — SECURITY CAMERA - CEILING MOUNTED

Linton-Stockton Addition and Renovation

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MAIN LEVEL DEMOLITION PLAN - AREA F

Scale: As Indicated

100% CD SET

TD.01F

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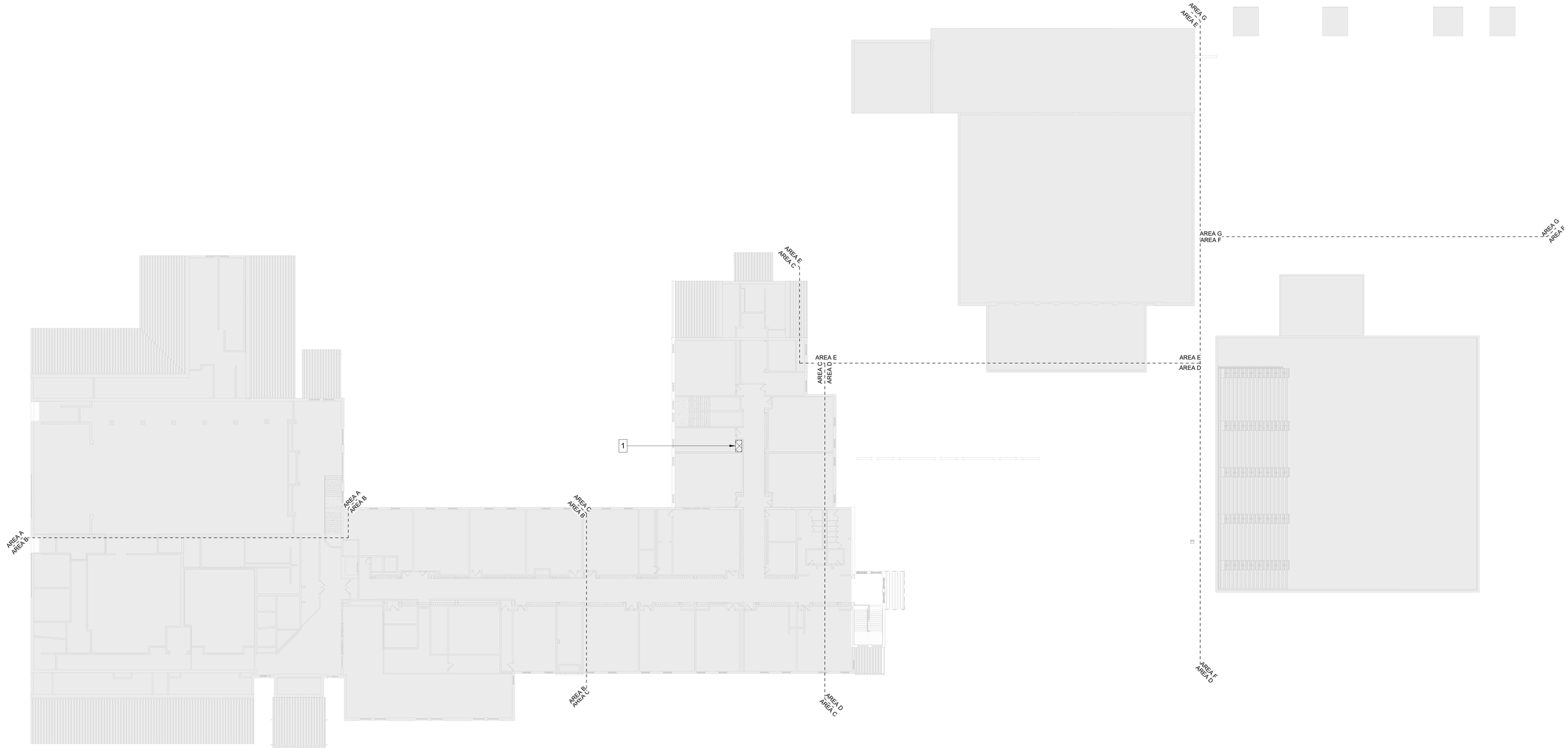
DEMOLITION LEGEND	
DV	DATA VOICE LOCATION
WAP	WIRELESS ACCESS POINT - CEILING MOUNTED
S	PAGING SPEAKER - CEILING MOUNTED
SPK	PAGING SPEAKER - WALL MOUNTED
ST	STROBE LIGHT - CEILING MOUNTED
ST	STROBE LIGHT - WALL MOUNTED
VI	VIDEO INTERCOM DOOR STATION
AS	VIDEO INTERCOM ANSWERING STATION
SC	SECURITY CAMERA - CEILING MOUNTED

SHEET NOTES

1 EXISTING HIGH SCHOOL IDF WALL RACK LOCATION TO REMAIN THROUGHOUT CONSTRUCTION.

GENERAL DEMOLITION NOTES

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E

1 UPPER LEVEL OVERALL DEMOLITION PLAN
3/64" = 1'-0"

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KEY PLAN



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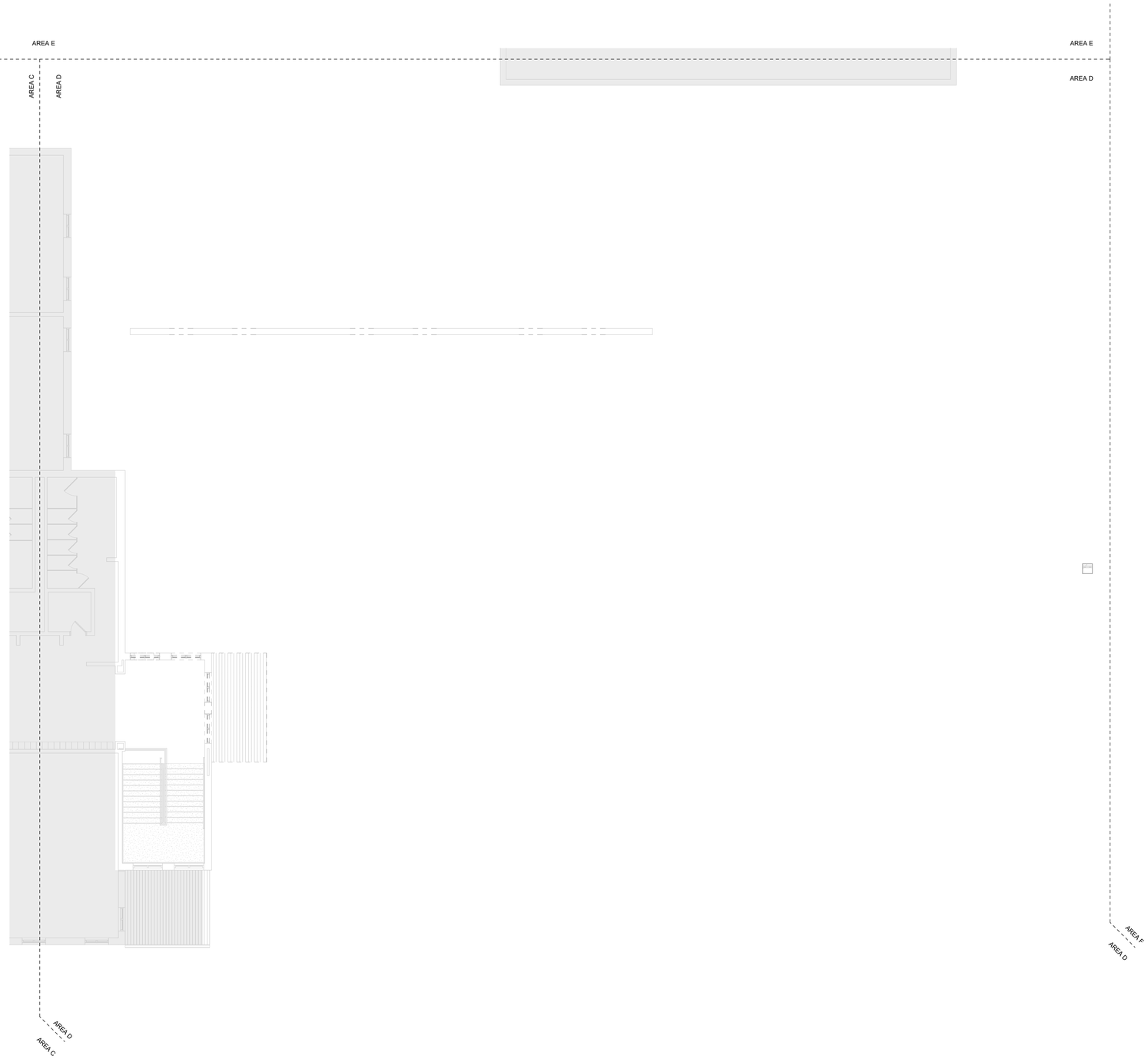
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UPPER LEVEL OVERALL DEMOLITION PLAN

Scale: As indicated

TD.02



GENERAL DEMOLITION NOTES

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DEMOLITION LEGEND

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- S — PAGING SPEAKER - CEILING MOUNTED
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- SC — SECURITY CAMERA - CEILING MOUNTED

MN

E

1 UPPER LEVEL DEMOLITION PLAN - AREA D
1/8" = 1'-0"

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Check: MJC

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UPPER LEVEL DEMOLITION PLAN - AREA D

Scale: As Indicated

TD.02D

Author: Tyler Yoder
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SHEET NOTES

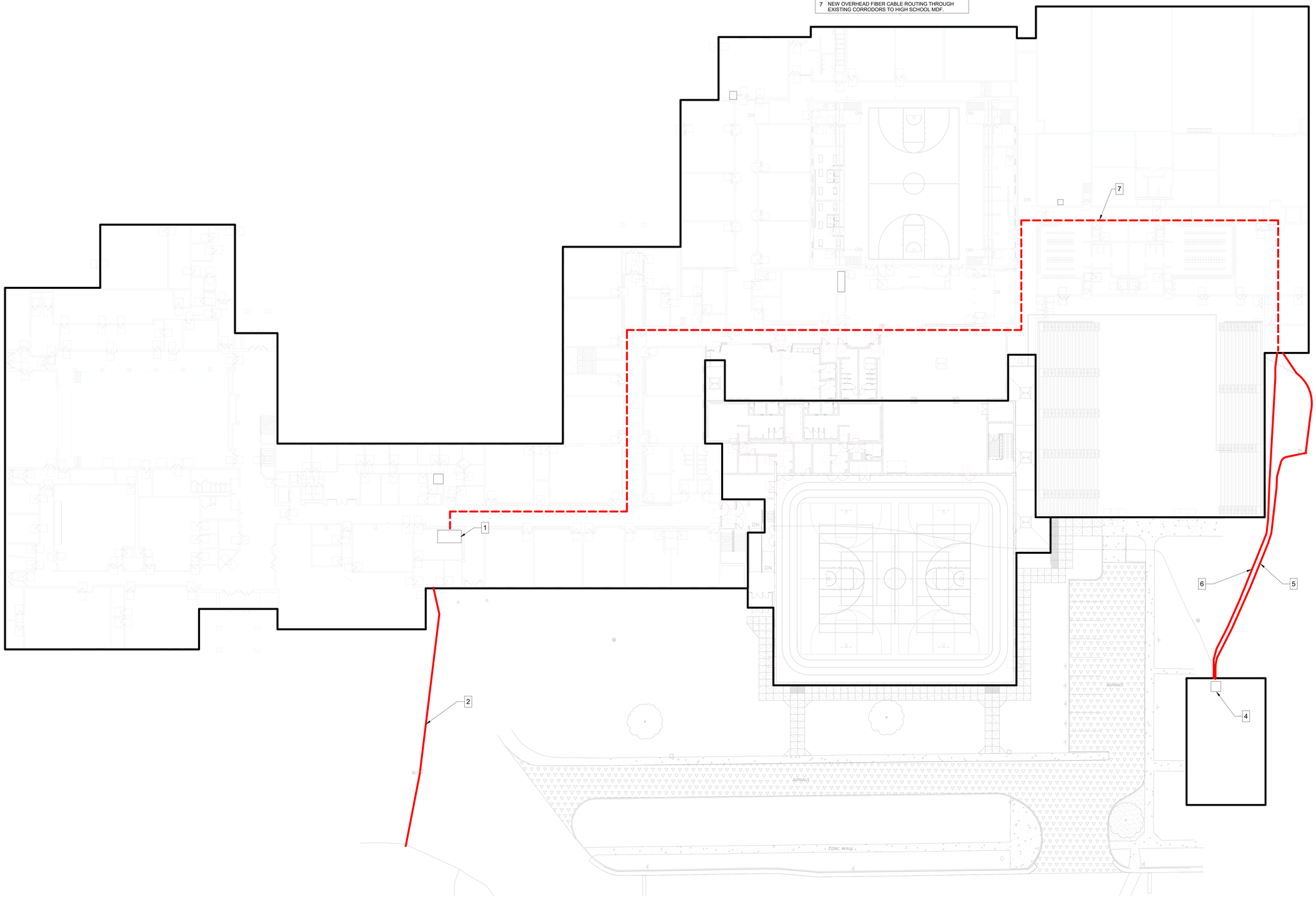
1. EXISTING HIGH SCHOOL MDF RACK LOCATION. EXISTING RACKS TO REMAIN THROUGHOUT CONSTRUCTION.
2. APPROXIMATE LOCATION OF EXISTING MAIN FIBER FEED LOCATION
4. EXISTING DAYCARE MDF RACK LOCATION TO REMAIN THROUGHTOUT CONSTRUCTION. TERMINATE NEW FIBER OPTIC CABLING WITHIN RACK AS REQUIRED. REFER TO TELECOM RISER CABLING DIAGRAM FOR CABLING REQUIREMENTS.
5. NEW 2-2" CONDUITS BETWEEN DAYCARE MDF AND EXTERIOR OF EXISTING MIDDLE SCHOOL STORAGE ROOM. TRANSITION TO OVERHEAD CONDUIT AND CABLING INSIDE OF BUILDING.
6. EXISTING COPPER AND COAXIAL CABLING SERVING DAYCARE. NO LONGER IN USE, BUT CAN REMAIN IN PLACE THROUGHOUT CONSTRUCTION. CONFIRM PATH AND DEPTH.
7. NEW OVERHEAD FIBER CABLE ROUTING THROUGH EXISTING CORRODORS TO HIGH SCHOOL MDF.

GENERAL SITE PLAN NOTES

A	CONTRACTOR SHALL FURNISH AND INSTALL ALL CABLING AND PATHWAYS TO ENSURE A COMPLETE AND FUNCTIONAL SYSTEM FOR BACKBONE FIBER OPTIC AND COPPER CABLING.
B	ALL BACKBONE OSP FIBER OPTIC AND COPPER CABLING SHALL BE FURNISHED AND INSTALLED ACCORDING TO THE DIVISION 27 SPECIFICATIONS.
C	ALL OSP CONDUIT AND PATHWAYS SHALL BE PROVIDED AND INSTALLED ACCORDING TO THE DIVISION 27 SPECIFICATIONS.
D	ALL EXISTING OSP CONDUITS AND CABLING SHALL REMAIN UNLESS OTHERWISE NOTED.
E	CONDUITS AND DUCTBANKS TO BE DEMOLISHED SHALL NOT BE DISTURBED UNTIL ALL EXISTING CABLING AND CIRCUITS ARE RELOCATED TO NEW CONDUITS AND DUCTBANKS.

GENERAL SITE PLAN NOTES

F	EXISTING CONDUIT AND DUCTBANKS TO BE DEMOLISHED SHALL BE SEALED, CAPPED, AND MADE WATER TIGHT AS TO PREVENT WATER ENTERING BACK INTO THE BUILDING.
G	ALL CONDUIT BENDS SHALL HAVE A MINIMUM BEND RADIUS OF 10 TIMES THE INTERNAL DIAMETER OF THE CONDUIT. THE MINIMUM BEND RADIUS FOR ALL 4" CONDUITS SHALL BE 48".
H	CONTRACTOR SHALL MAINTAIN A MINIMUM 24" SEPARATION FROM THE TELECOM DUCTBANK AND PATHWAY FROM EMI SOURCES. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 36" SEPARATION FROM ALL OTHER UTILITIES.
I	REFER TO CIVIL DRAWINGS FOR ALL FINAL ROUTES AND REQUIREMENTS.



1 TECHNOLOGY SITE PLAN
3/64" = 1'-0"

100% CD SET

Linton-Stockton Addition and Renovation

10 H St NE
Linton, IN 47441

260804037

Linton-Stockton Schools
10 H St NE, Linton, IN 47441

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KEY PLAN

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BICSI
Matthew Connolly
BICSI ID # 222502
EXPIRES 12-31-27
RCDD

Revisions		
Description	Date	Num

Comm: 260804037
Date: 09/25/2026
Drawn: TRY/HMB
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TECHNOLOGY SITE PLAN

Scale: 3/64" = 1'-0"

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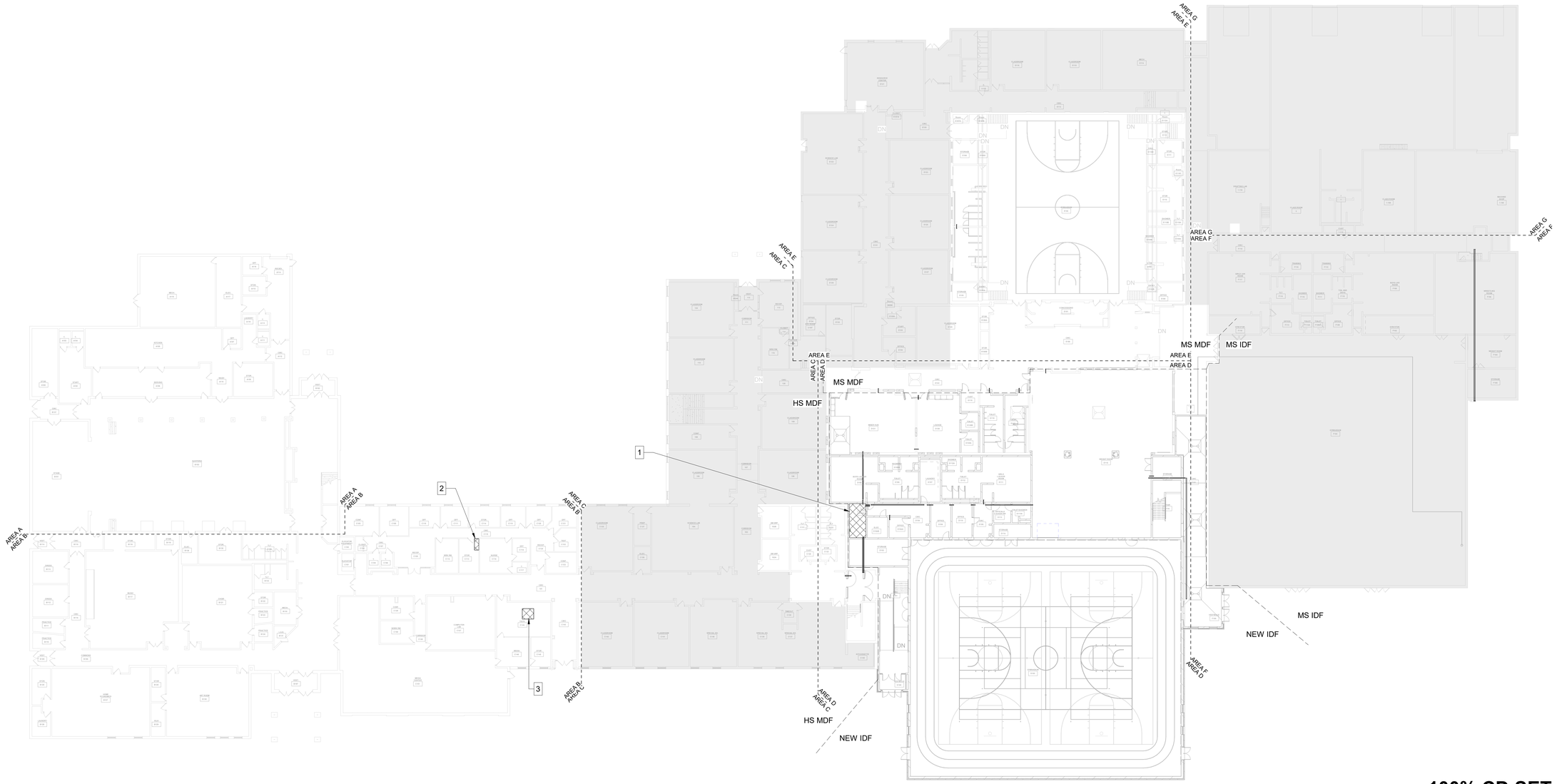
E

SHEET NOTES

1. NEW IDF LOCATION TO SERVE RENOVATION AND NEW AREA.
2. EXISTING PAGING AND INTERCOM SYSTEM HEADEND
3. EXISTING MDF RACK LOCATIONS

GENERAL PATHWAYS NOTES

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MAIN LEVEL OVERALL DISTRIBUTION PLAN
3/64" = 1'-0"

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Linton-Stockton Addition and Renovation

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KEY PLAN

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BICSI
Matthew Connolly
BICSI ID # 212993
EXPIRES 12-31-27
RCDD

Revisions		
Description	Date	Num

Comm: 260804037
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Drawn: TRY/HMB
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MAIN LEVEL OVERALL DISTRIBUTION PLAN

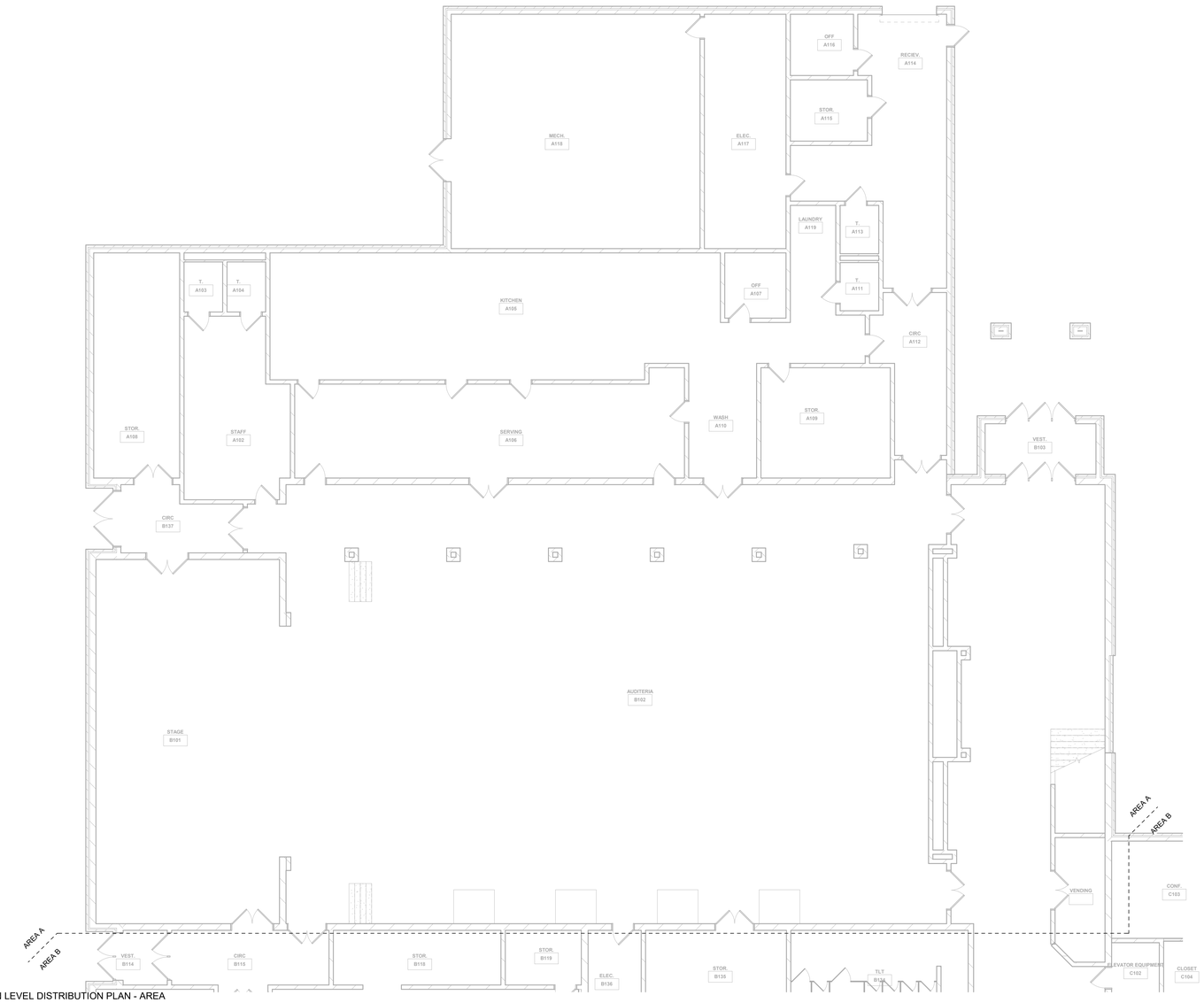
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MN

E

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1 MAIN LEVEL DISTRIBUTION PLAN - AREA A
1/8" = 1'-0"

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Linton-Stockton Addition and Renovation

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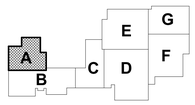
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KEY PLAN



REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
Matthew Connolly
BICSI ID # 212892
EXPIRES 12-31-27
RCDD

Revisions		
Description	Date	Num

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Date: 09/25/2026
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MAIN LEVEL DISTRIBUTION PLAN - AREA A

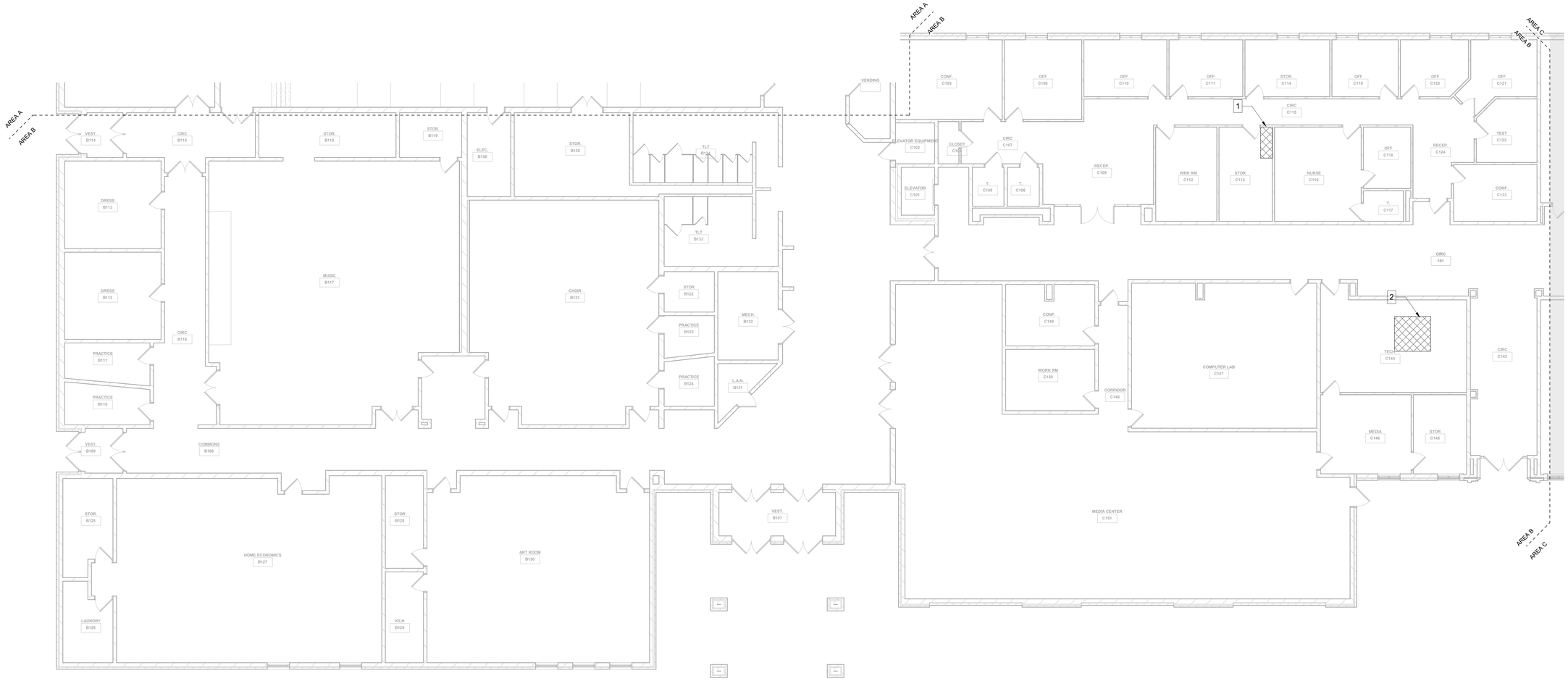
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MN

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SHEET NOTES	
1	EXISTING PAGING AND INTERCOM SYSTEM HEADEND
2	EXISTING HIGH SCHOOL MDF RACK LOCATIONS. TERMINATE NEW FIBER OPTIC CABLING SERVING ADDTION TO THIS LOCATION



E

1 MAIN LEVEL DISTRIBUTION PLAN - AREA B
1/8" = 1'-0"

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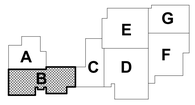
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KEY PLAN

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BICSI
Matthew Connolly
BICSI ID # 212892
EXPIRES 12-31-27
RCDD

Revisions		
Description	Date	Num

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Date: 09/25/2026
Drawn: TRY/HMB
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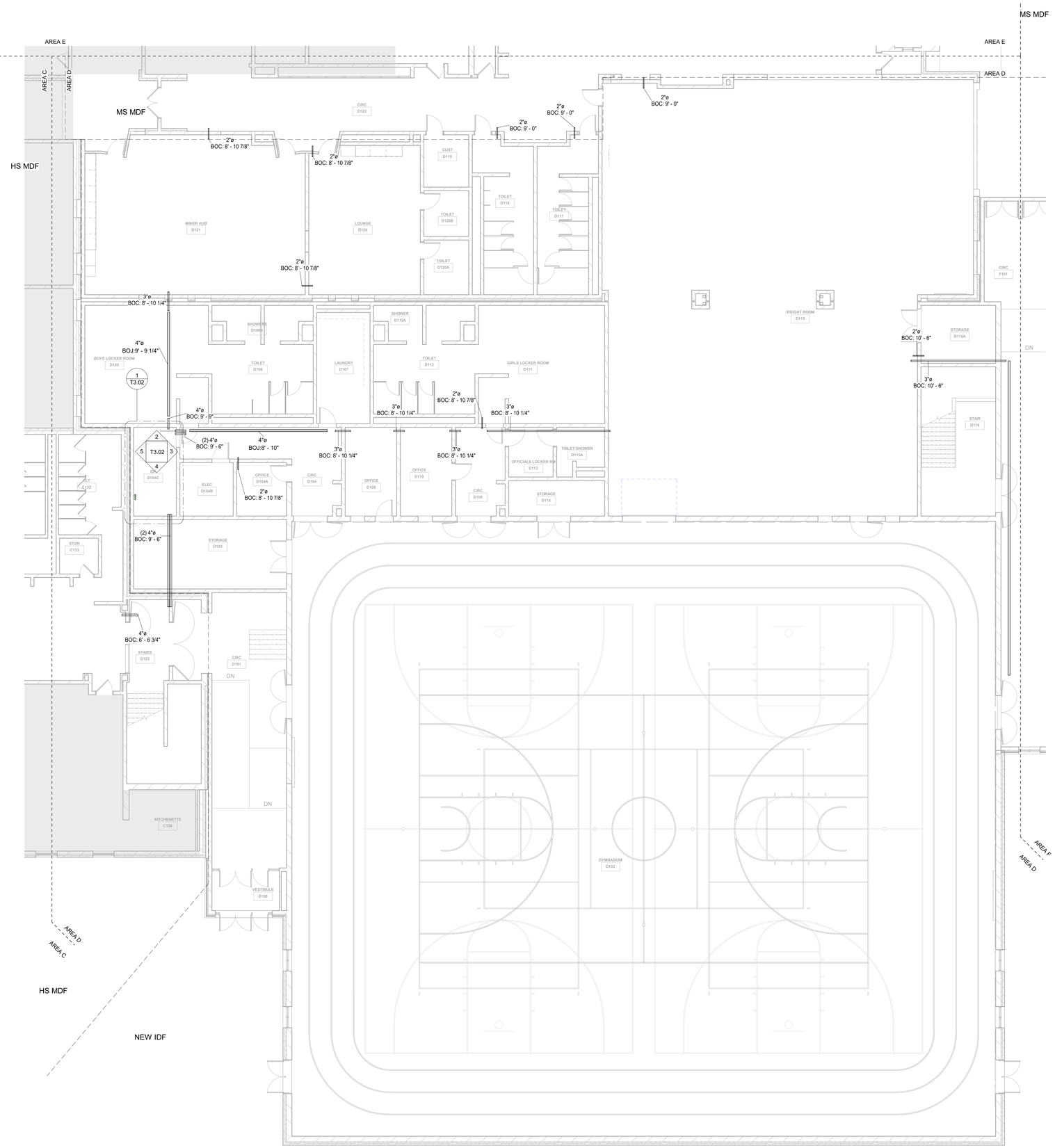
MAIN LEVEL DISTRIBUTION PLAN - AREA B

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

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MAIN LEVEL DISTRIBUTION PLAN - AREA D
1 1/8" = 1'-0"

E

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Linton-Stockton Addition and Renovation

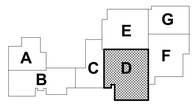
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KEY PLAN

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
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Matthew Connolly
BICSI ID # 232960
EXPIRES 12-31-27
RCDD

Revisions		
Description	Date	Num

Comm: 260804037
Date: 09/25/2026
Drawn: TRY/HMB
Check: MJC
North

MAIN LEVEL DISTRIBUTION PLAN - AREA D

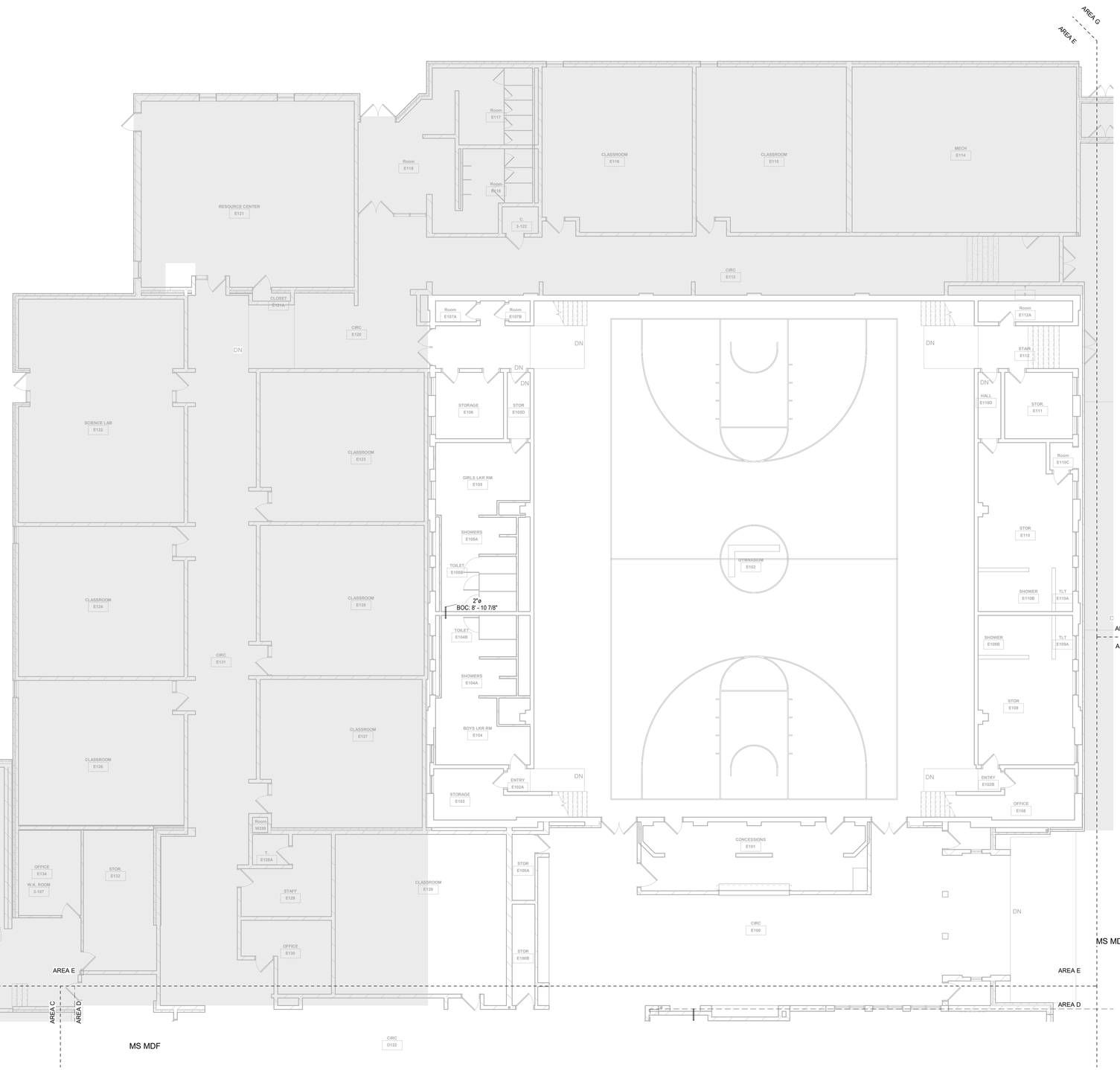
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BICSI
Matthew Connolly
BICSI ID # 252910
EXPIRES 12-31-27
RCDD

Revisions		
Description	Date	Num

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Date: 09/25/2026
Drawn: TRY/HMB
Check: MJC

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MAIN LEVEL DISTRIBUTION PLAN - AREA E

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

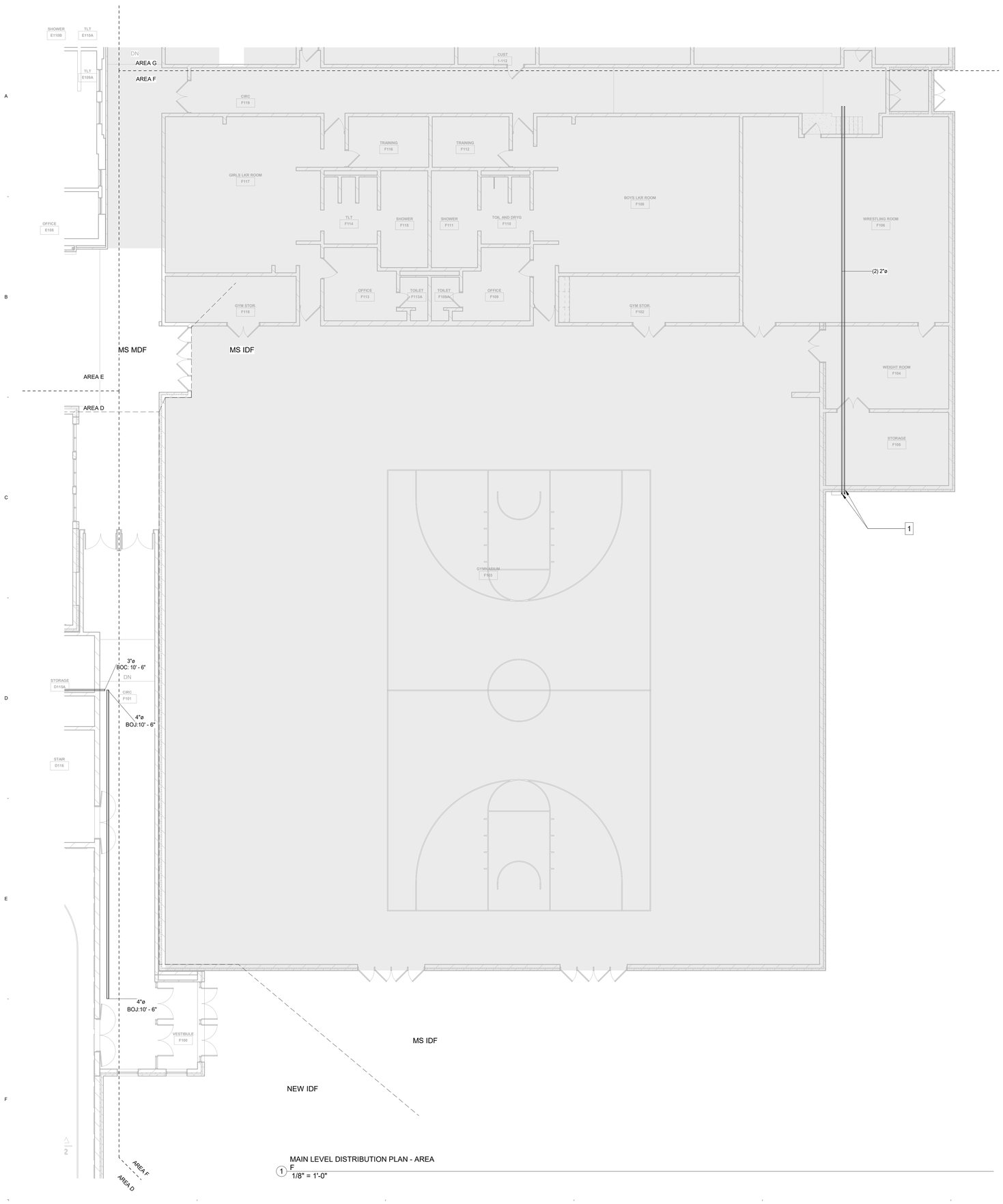
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MAIN LEVEL DISTRIBUTION PLAN - AREA E
1/8" = 1'-0"

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1 MAIN LEVEL DISTRIBUTION PLAN - AREA F
1/8" = 1'-0"

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E	CONDUIT SYSTEMS SHALL BE PROVIDED FOR ALL PATHWAYS IN INACCESIBLE CEILING SPACES AND WHERE EXPOSED TO PUBLIC VIEW. ALL CONDUIT SYSTEMS THROUGHOUT THE BUILDING SHALL INCLUDE PROPERLY SIZED SLEEVED PENETRATIONS WITH BUSHINGS THROUGH ALL BARRIERS.
F	ALL TELECOM OUTLET BOXES SHALL BE A MINIMUM 4-11/16" SQUARE BOX NO LESS THAN 2-1/8" DEEP WITH A MINIMUM 1-1/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING UNLESS NOTED OTHERWISE WITHIN THE T-SERIES DRAWINGS.
G	CORRIDOR CABLE TRAY SHALL BE PROVIDED AS REQUIRED BY THE CONTRACT DRAWINGS. REFER TO DIVISION 27 SPECIFICATIONS FOR ADDITIONAL PRODUCT DETAILS AND REQUIREMENTS.
H	CONTRACTOR SHALL NOT EXCEED 40% FILL RATIO WITHIN ANY CONDUIT MEANT FOR TELECOMMUNICATIONS CABLING.
I	CONTRACTOR SHALL CALCULATE FILL RATIOS BASED ON ACTUAL CATEGORY 6A CABLING USED. TYPICAL FILL RATIOS FOR CATEGORY 6A CABLE ARE SHOWN HERE FOR REFERENCE PURPOSES ONLY: 1" EMT = 5 CABLES; 1-1/4" EMT = 9 CABLES; 2" EMT = 21 CABLES; 3" EMT = 57 CABLES; 4" EMT = 93 CABLES
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SHEET NOTES	
1	2-2" UNDERGROUND CONDUITS FROM EXISTING DAYCARE CENTER. ROUTE CONDUITS THROUGH EXISTING EXTERIOR COVER. ROUTE CONDUIT ABOVE CEILING TO EXISTING CORRIDOR.

Linton-Stockton Addition and Renovation

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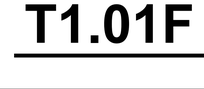
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KEY PLAN



REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
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Matthew Connolly
BICSI ID # 212992
EXPIRES 12-31-27
RCDD

Revisions		
Description	Date	Num

Comm: 260804037
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Drawn: TRY/HMB
Check: MJC

North

MAIN LEVEL DISTRIBUTION PLAN - AREA F

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

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T1.01F

Submitted Plot: 25 Sep Electrical Middle School Addition and Renovation Linton Stockton Addition and Renovation_TECH.rvt
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MN

E

GENERAL PATHWAYS NOTES	
A	ALL CABLING SHALL BE TERMINATED IN THE ER/TR NOTED IN THE TELECOM SCHEDULES.
B	CONTRACTOR SHALL SUPPLY ALL CONDUIT, BOXES, AND CABLE TRAY AS REQUIRED TO ENSURE ALL TRANSMISSION MEDIA IS FULLY SUPPORTED FROM ALL DEVICE LOCATIONS TO THE POINT OF TERMINATION.
C	ALL TELECOM PATHWAY SYSTEMS SHALL BE INDEPENDENTLY SUPPORTED FROM AND ATTACHED TO THE BUILDING STRUCTURE.
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AREA A
AREA B
AREA C
AREA D
AREA E
AREA F
AREA G
MS MDF
MS IDF
HS MDF
NEW IDF

1 UPPER LEVEL OVERALL DISTRIBUTION PLAN
3/64" = 1'-0"

100% CD SET

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KEY PLAN

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
Matthew Connolly
BICSI ID # 212993
EXPIRES 12-31-27
RCDD

Revisions		
Description	Date	Num

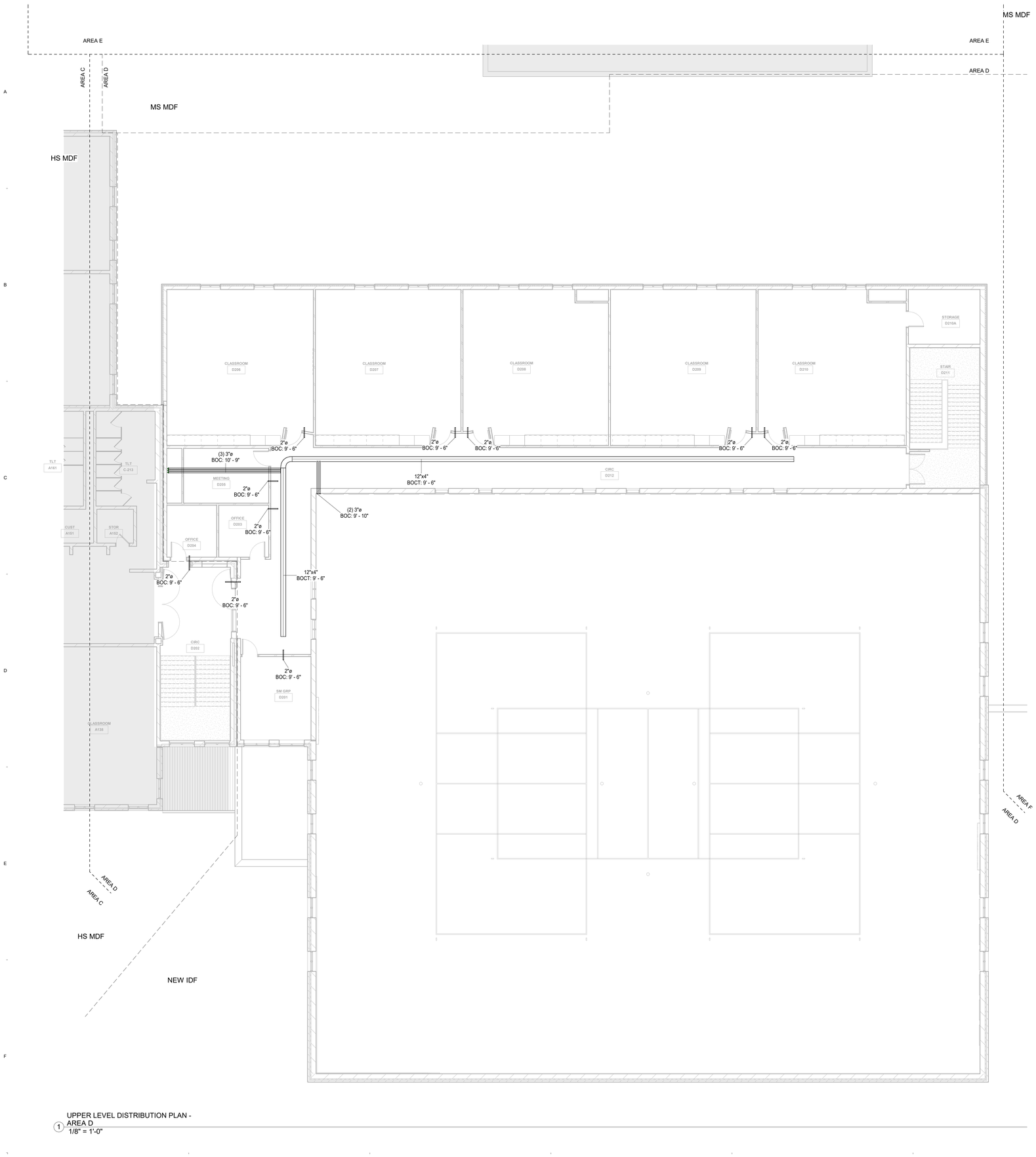
Comm: 260804037
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Drawn: TRY/HMB
Check: MJC
North

UPPER LEVEL OVERALL DISTRIBUTION PLAN

Scale: 3/64" = 1'-0"

T1.02

Author Time: C:\Users\thunter\Wold Architects and Engineers\Linton-Stockton Addition and Renovation_TECH.rvt
9/25/2026 4:29:26 PM



1 UPPER LEVEL DISTRIBUTION PLAN - AREA D
1/8" = 1'-0"

E

GENERAL PATHWAYS NOTES	
A	ALL CABLING SHALL BE TERMINATED IN THE ER/TR NOTED IN THE TELECOM SCHEDULES.
B	CONTRACTOR SHALL SUPPLY ALL CONDUIT, BOXES, AND CABLE TRAY AS REQUIRED TO ENSURE ALL TRANSMISSION MEDIA IS FULLY SUPPORTED FROM ALL DEVICE LOCATIONS TO THE POINT OF TERMINATION.
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Linton-Stockton Addition and Renovation

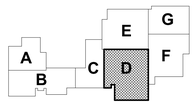
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Matthew Connolly
BICSI ID # 232960
EXPIRES 12-31-27
RCDD

Revisions		
Description	Date	Num

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Date: 09/25/2026
Drawn: TRY/HMB
Check: MJC

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UPPER LEVEL DISTRIBUTION PLAN - AREA D

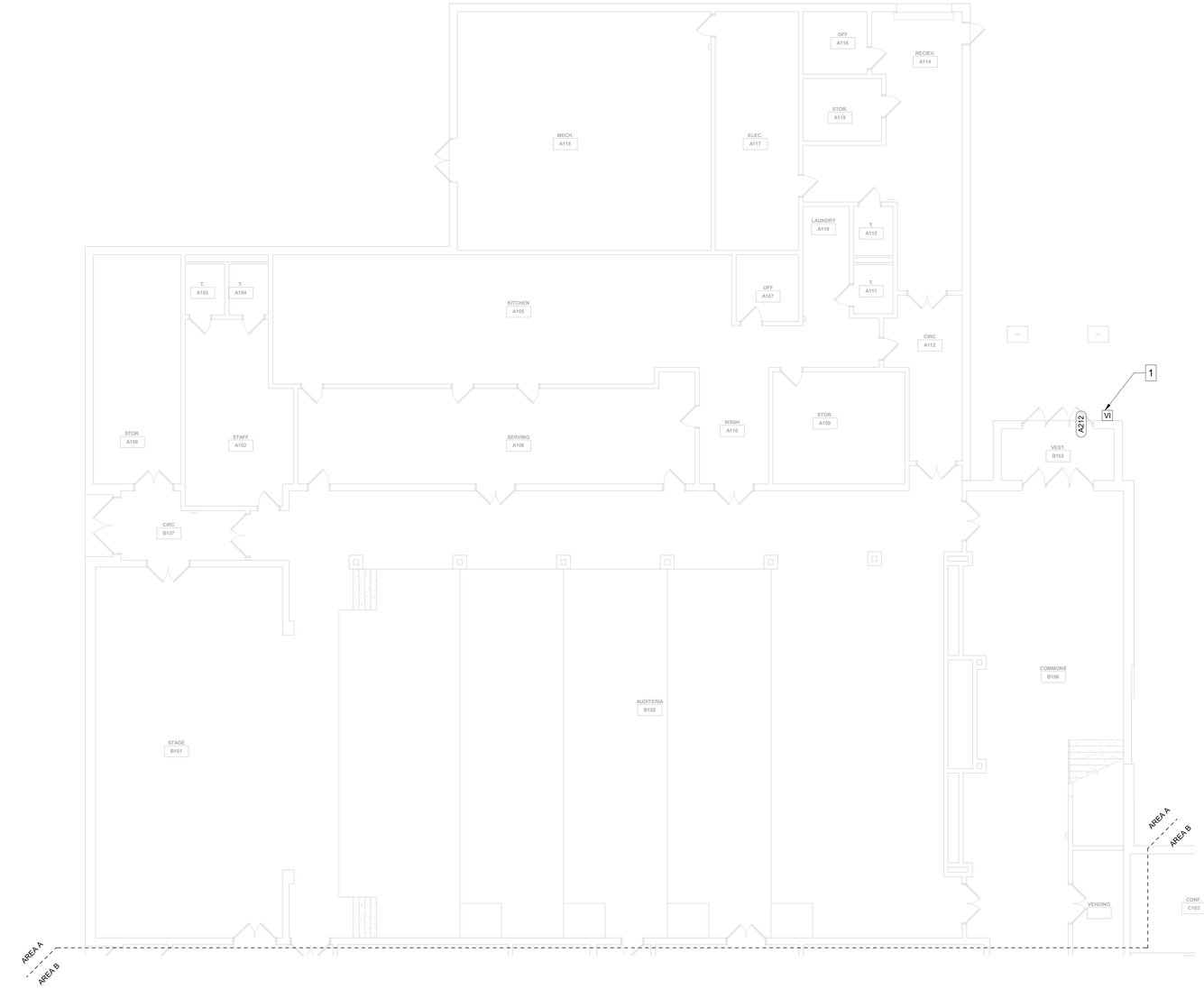
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100% CD SET

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MN



MAIN LEVEL TECHNOLOGY PLAN - AREA A
1/8" = 1'-0"

GENERAL HORIZONTAL CABLING NOTES	
A	MINIMUM CATEGORY 6A COMPLIANT 4-PAIR UNSHIELDED TWISTED PAIR (UTP). ALL HORIZONTAL CABLING MUST BE PLENUM RATED.
B	CONTRACTOR SHALL PROVIDE A DOCUMENTED MANUFACTURER CERTIFIED SOLUTION INCLUDING THE MINIMUM PERFORMANCE AND APPLICATIONS WARRANTY.
C	PAINTING OF THE STRUCTURED CABLING WILL VOID THE WARRANTY. ENSURE PROPER COORDINATION WITH PAINTING CONTRACTOR SO THAT ALL STRUCTURED CABLING IS PROTECTED PRIOR TO ANY PAINTING.
D	PROVIDE A MINIMUM 10 FOOT MAINTENANCE LOOP ON EACH HORIZONTAL CABLING RUN. MAINTENANCE LOOPS SHALL BE STORED ABOVE ACCESIBLE CEILINGS, IN CABLE TRAY, AND IN TELECOMMUNICATION ROOM CABLE TRAY. CABLING ABOVE CEILING SHALL BE SUSPENDED FROM APPROPRIATE SUPPORTS AND SHALL NOT TOUCH THE CEILING.
E	ALL PIN/PAIR ASSIGNMENTS SHALL BE T568B.
F	REFER TO SPECIFICATION SECTION 27 15 13 FOR CABLE JACKET COLOR REQUIREMENTS
G	LABELING SHALL BE COMPLETED AS DEFINED IN THE CONTRACT DOCUMENTS AND SHALL BE COORDINATED WITH THE OWNER.
H	PROVIDE ALL TELECOMMUNICATION OUTLETS AS SHOWN ON THE DRAWINGS AND AS REQUIRED TO PROVIDE CONNECTIONS FOR EACH DEVICE SHOWN ON THE DRAWINGS.
I	ALL TESTING OF HORIZONTAL CABLING SHALL BE COMPLETED AS DIRECTED BY THE PROJECT SPECIFICATIONS. ALL CABLING MUST BE TESTED AND CERTIFIED TO THE APPLICABLE STANDARDS.

TECHNOLOGY LEGEND	
	DATA VOICE LOCATION
ES	ENVIRONMENTAL MONITORING SENSOR LOCATION
WAP	WIRELESS ACCESS POINT - CEILING MOUNTED
AP	WIRELESS ACCESS POINT - WALL MOUNTED
AV RACK	AV EQUIPMENT RACK LOCATION
AV	AV FLOOR BOX LOCATION
	AV INPUT LOCATION - TYPE 1
AV	AV INPUT LOCATION - TYPE 2
AV	AV INPUT LOCATION - TYPE 3
HA	HEARING ASSISTANCE ANTENNA LOCATION
IMON	INTERACTIVE MONITOR LOCATION
MON	MONITOR LOCATION
LC	LOUDSPEAKER LOCATION - CEILING MOUNTED
S	PAGING SPEAKER - CEILING MOUNTED
SPK	PAGING SPEAKER - WALL MOUNTED
S	PROGRAM SPEAKER - CEILING MOUNTED
ST	STROBE LIGHT - CEILING MOUNTED
TS	TEACHER STATION LOCATION
TS	TEACHER STATION ROUGH-IN LOCATION
VC	VOLUME CONTROL LOCATION - FLUSH MOUNTED
WA	WIRELESS MICROPHONE ANTENNA
CR	CARD READER LOCATION
VI	VIDEO INTERCOM DOOR STATION
AS	VIDEO INTERCOM ANSWERING STATION
SC	SECURITY CAMERA - CEILING MOUNTED
SC	SECURITY CAMERA - WALL MOUNTED

SHEET NOTES

1 INSTALL NEW DATA PORT ABOVE NEAREST ACCESSIBLE CEILING AND ROUTE PATCH CABLE VIA EXISTING PATHWAY TO NEW AIPHONE DOOR STATION. COORDINATE WITH THE OWNER TO ENSURE SCHOOL OPERATIONS ARE NOT IMPACTED BY ANY REQUIRED DOWN TIME DURING TRANSITION TO NEW DEVICES.

E

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Linton-Stockton Addition and Renovation

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KEY PLAN
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BICSI ID # 212992
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MAIN LEVEL TECHNOLOGY PLAN - AREA A

Scale: As indicated

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SHEET NOTES

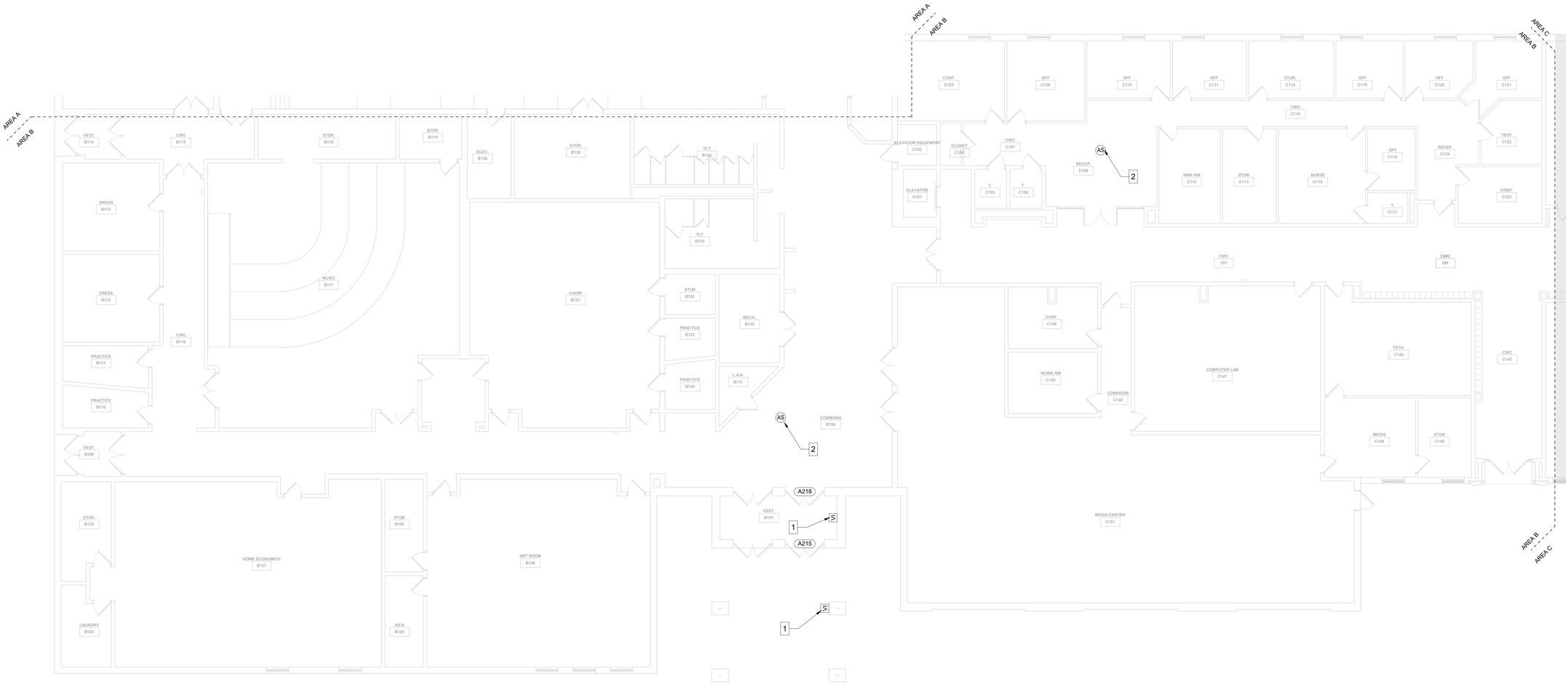
1. INSTALL NEW DATA PORT ABOVE NEAREST ACCESSIBLE CEILING AND ROUTE PATCH CABLE VIA EXISTING PATHWAY TO NEW AIPHONE DOOR STATION. COORDINATE WITH THE OWNER TO ENSURE SCHOOL OPERATIONS ARE NOT IMPACTED BY ANY REQUIRED DOWN TIME DURING TRANSITION TO NEW DEVICES.
2. INSTALL NEW DATA PORT BELOW DESK AND ROUTE PATCH CABLE THROUGH DESKTOP GROMMET TO NEW AIPHONE ANSWERING STATION. ROUTE 2-CONDUCTOR CABLING FROM ANSWERING STATION VIA EXISTING GROMMET AND PATHWAYS TO NEAREST ACCESS CONTROL INPUT MODULE. COORDINATE WITH THE OWNER TO ENSURE SCHOOL OPERATIONS ARE NOT IMPACTED BY ANY REQUIRED DOWN TIME DURING TRANSITION TO NEW DEVICES.

TECHNOLOGY LEGEND

DV	DATA VOICE LOCATION
ES	ENVIRONMENTAL MONITORING SENSOR LOCATION
AP	WIRELESS ACCESS POINT - CEILING MOUNTED
AP	WIRELESS ACCESS POINT - WALL MOUNTED
AV RACK	AV EQUIPMENT RACK LOCATION
AV	AV FLOOR BOX LOCATION
AV	AV INPUT LOCATION - TYPE 1
AV	AV INPUT LOCATION - TYPE 2
AV	AV INPUT LOCATION - TYPE 3
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MON	INTERACTIVE MONITOR LOCATION
MON	MONITOR LOCATION
LC	LOUDSPEAKER LOCATION - CEILING MOUNTED
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SC	SECURITY CAMERA - WALL MOUNTED

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F	REFER TO SPECIFICATION SECTION 27 15 13 FOR CABLE JACKET COLOR REQUIREMENTS
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E

1 MAIN LEVEL TECHNOLOGY PLAN - AREA B
1/8" = 1'-0"

100% CD SET

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Linton-Stockton Addition and Renovation

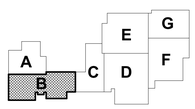
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KEY PLAN

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Matthew Connolly
BICSI ID # 222950
EXPIRES 12-31-27
RCDD

Revisions		
Description	Date	Num

Comm: 260804037
Date: 09/25/2026
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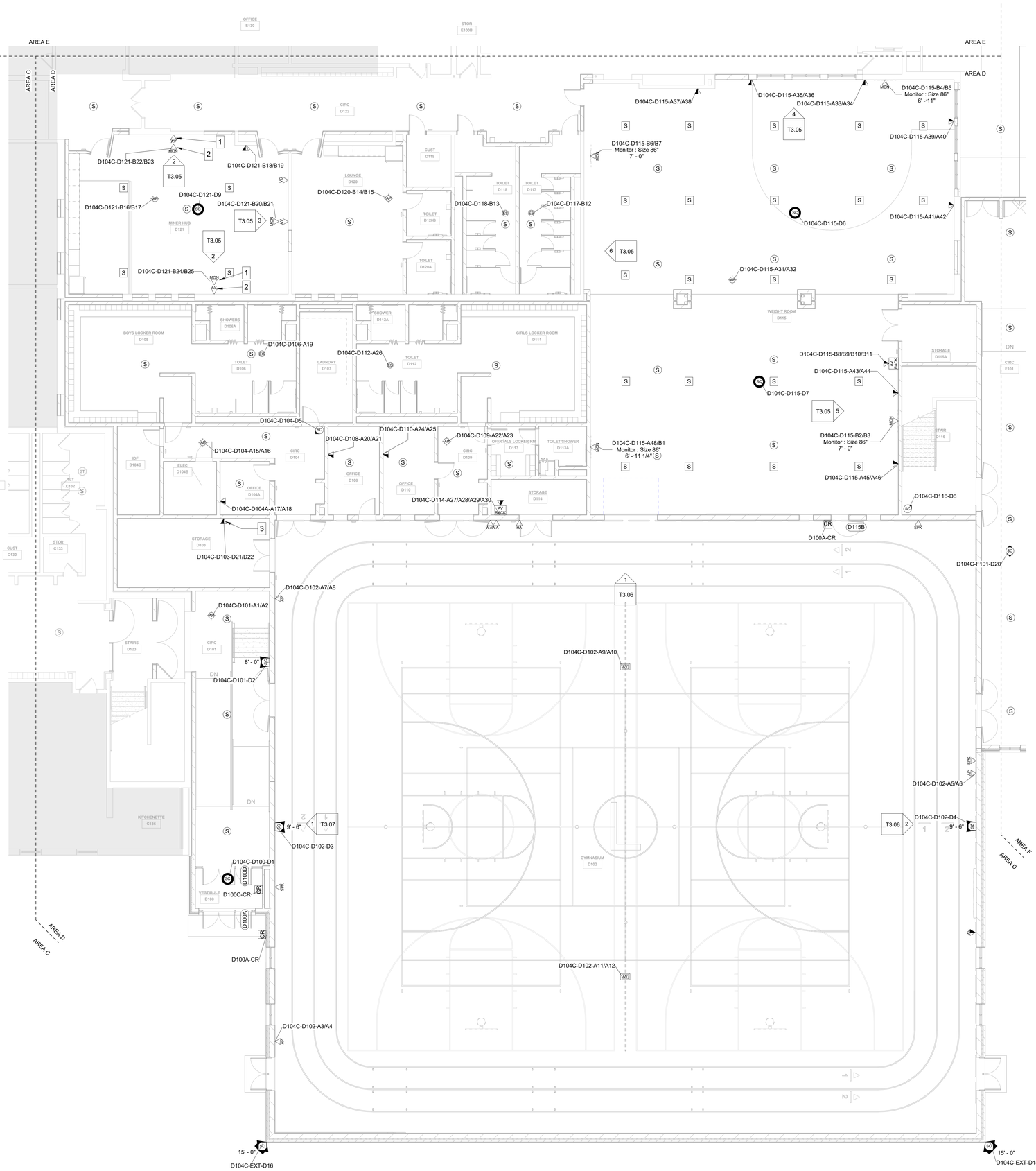
North

MAIN LEVEL TECHNOLOGY PLAN - AREA B

Scale: As indicated

T2.01B

MN



1 MAIN LEVEL TECHNOLOGY PLAN - AREA D
1/8" = 1'-0"

E

GENERAL HORIZONTAL CABLING NOTES	
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AV	AV INPUT LOCATION - TYPE 1
AV	AV INPUT LOCATION - TYPE 2
AV	AV INPUT LOCATION - TYPE 3
HA	HEARING ASSISTANCE ANTENNA LOCATION
MON	INTERACTIVE MONITOR LOCATION
MON	MONITOR LOCATION
LC	LOUDSPEAKER LOCATION - CEILING MOUNTED
S	PAGING SPEAKER - CEILING MOUNTED
SPK	PAGING SPEAKER - WALL MOUNTED
S	PROGRAM SPEAKER - CEILING MOUNTED
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TS	TEACHER STATION LOCATION
TS	TEACHER STATION ROUGH-IN LOCATION
VC	VOLUME CONTROL LOCATION - FLUSH MOUNTED
WA	WIRELESS MICROPHONE ANTENNA
CR	CARD READER LOCATION
VI	VIDEO INTERCOM DOOR STATION
AS	VIDEO INTERCOM ANSWERING STATION
SC	SECURITY CAMERA - CEILING MOUNTED
SC	SECURITY CAMERA - WALL MOUNTED

SHEET NOTES

1. INSTALL DATA CABLING ONLY. MONITOR ROUGH-IN FOR FUTURE
2. AV ROUGH-IN FOR FUTURE
3. TEMPERATURE CONTROL PANEL LOCATION. CONFIRM FINAL LOCATION WITH CONTROLS CONTRACTOR PRIOR TO INSTALLATION

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Linton-Stockton Addition and Renovation

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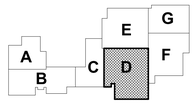
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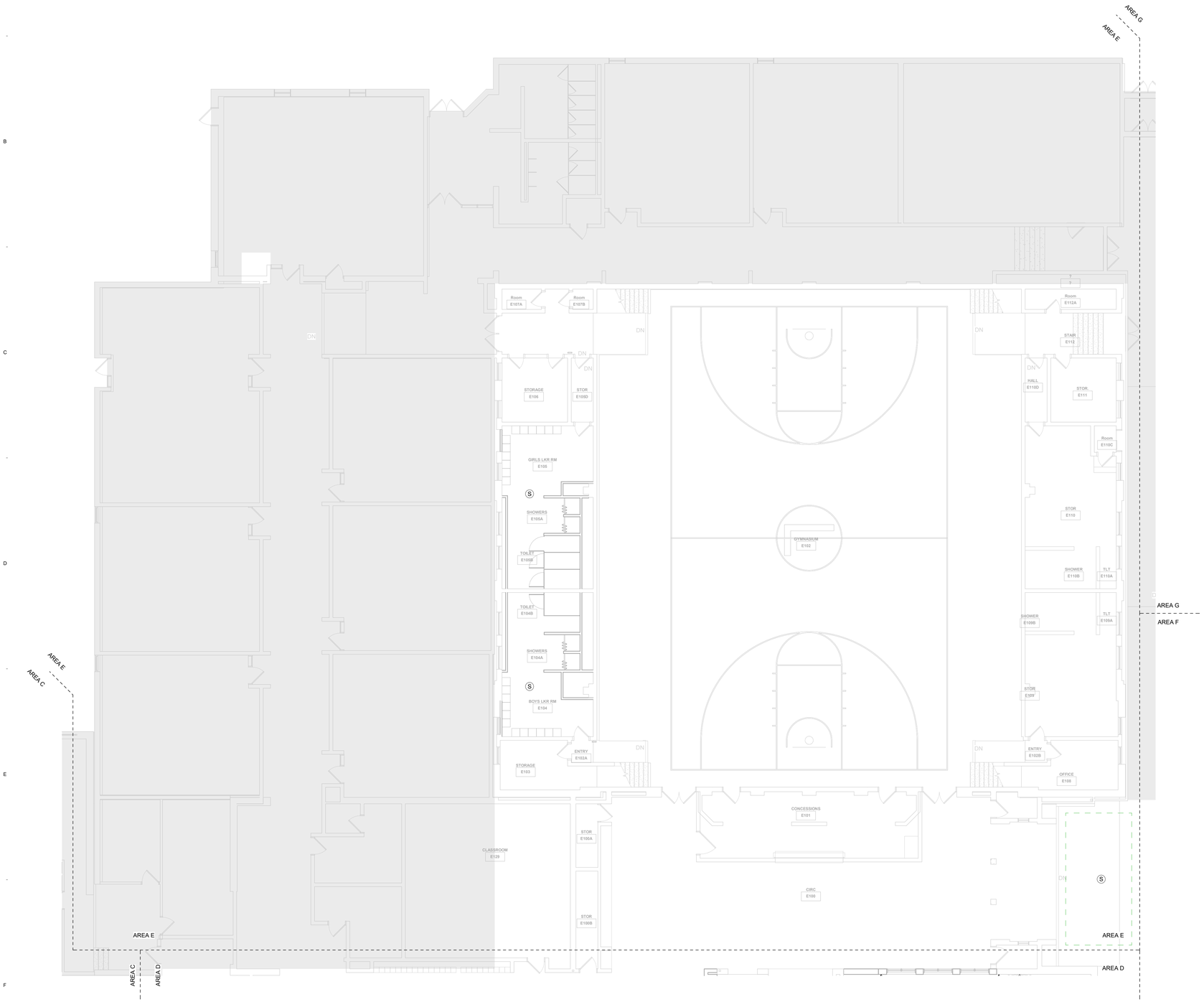
MAIN LEVEL TECHNOLOGY PLAN - AREA D

Scale: As indicated

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MN



E

2 MAIN LEVEL TECHNOLOGY PLAN - AREA E
1/8" = 1'-0"

GENERAL HORIZONTAL CABLING NOTES	
A	MINIMUM CATEGORY 6A COMPLIANT 4-PAIR UNSHIELDED TWISTED PAIR (UTP). ALL HORIZONTAL CABLING MUST BE PLENUM RATED.
B	CONTRACTOR SHALL PROVIDE A DOCUMENTED MANUFACTURER CERTIFIED SOLUTION INCLUDING THE MINIMUM PERFORMANCE AND APPLICATIONS WARRANTY.
C	PAINTING OF THE STRUCTURED CABLING WILL VOID THE WARRANTY. ENSURE PROPER COORDINATION WITH PAINTING CONTRACTOR SO THAT ALL STRUCTURED CABLING IS PROTECTED PRIOR TO ANY PAINTING.
D	PROVIDE A MINIMUM 10 FOOT MAINTENANCE LOOP ON EACH HORIZONTAL CABLING RUN. MAINTENANCE LOOPS SHALL BE STORED ABOVE ACCESIBLE CEILINGS, IN CABLE TRAY, AND IN TELECOMMUNICATION ROOM CABLE TRAY. CABLING ABOVE CEILING SHALL BE SUSPENDED FROM APPROPRIATE SUPPORTS AND SHALL NOT TOUCH THE CEILING.
E	ALL PIN/PAIR ASSIGNMENTS SHALL BE T568B.
F	REFER TO SPECIFICATION SECTION 27 15 13 FOR CABLE JACKET COLOR REQUIREMENTS
G	LABELING SHALL BE COMPLETED AS DEFINED IN THE CONTRACT DOCUMENTS AND SHALL BE COORDINATED WITH THE OWNER.
H	PROVIDE ALL TELECOMMUNICATION OUTLETS AS SHOWN ON THE DRAWINGS AND AS REQUIRED TO PROVIDE CONNECTIONS FOR EACH DEVICE SHOWN ON THE DRAWINGS.
I	ALL TESTING OF HORIZONTAL CABLING SHALL BE COMPLETED AS DIRECTED BY THE PROJECT SPECIFICATIONS. ALL CABLING MUST BE TESTED AND CERTIFIED TO THE APPLICABLE STANDARDS.

TECHNOLOGY LEGEND	
	DATA VOICE LOCATION
E	ENVIRONMENTAL MONITORING SENSOR LOCATION
AP	WIRELESS ACCESS POINT - CEILING MOUNTED
AP	WIRELESS ACCESS POINT - WALL MOUNTED
AV RACK	AV EQUIPMENT RACK LOCATION
AV	AV FLOOR BOX LOCATION
AV	AV INPUT LOCATION - TYPE 1
AV	AV INPUT LOCATION - TYPE 2
AV	AV INPUT LOCATION - TYPE 3
HA	HEARING ASSISTANCE ANTENNA LOCATION
MON	INTERACTIVE MONITOR LOCATION
MON	MONITOR LOCATION
LC	LOUDSPEAKER LOCATION - CEILING MOUNTED
S	PAGING SPEAKER - CEILING MOUNTED
SPK	PAGING SPEAKER - WALL MOUNTED
S	PROGRAM SPEAKER - CEILING MOUNTED
ST	STROBE LIGHT - CEILING MOUNTED
TS	TEACHER STATION LOCATION
TS	TEACHER STATION ROUGH-IN LOCATION
VC	VOLUME CONTROL LOCATION - FLUSH MOUNTED
WA	WIRELESS MICROPHONE ANTENNA
CR	CARD READER LOCATION
VI	VIDEO INTERCOM DOOR STATION
AS	VIDEO INTERCOM ANSWERING STATION
SC	SECURITY CAMERA - CEILING MOUNTED
SC	SECURITY CAMERA - WALL MOUNTED

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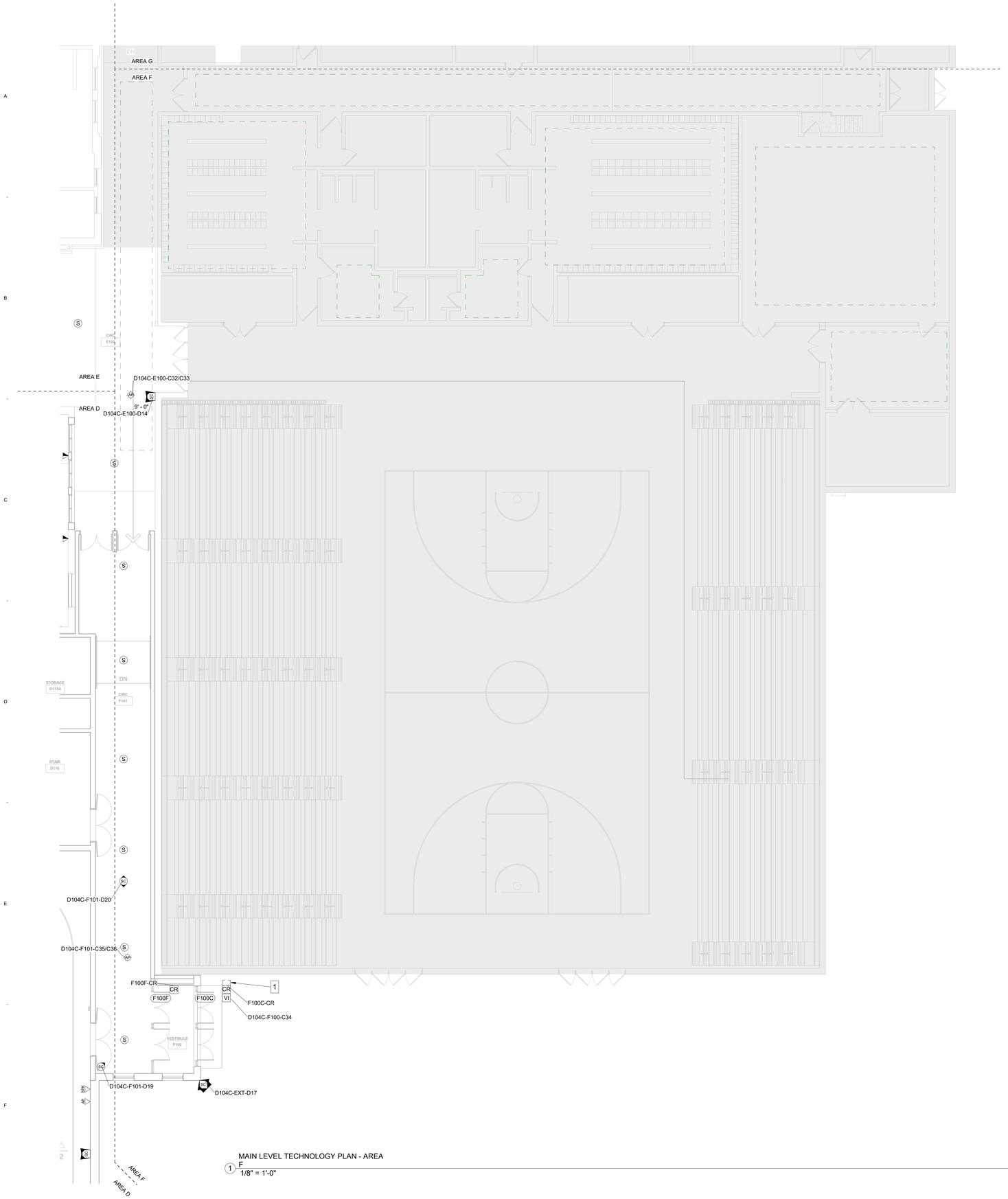
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MAIN LEVEL TECHNOLOGY PLAN - AREA E

Scale: As Indicated

T2.01E

Author: Ryan Dyke, Brandon Webb, Daniel Walden, and Revision(s): Jon Beaver, Matthew
Revision(s): 9/25/2026 4:29:21 PM



MAIN LEVEL TECHNOLOGY PLAN - AREA F
1/8" = 1'-0"

GENERAL HORIZONTAL CABLING NOTES	
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E	ALL PIN/PAIR ASSIGNMENTS SHALL BE T568B.
F	REFER TO SPECIFICATION SECTION 27 15 13 FOR CABLE JACKET COLOR REQUIREMENTS
G	LABELING SHALL BE COMPLETED AS DEFINED IN THE CONTRACT DOCUMENTS AND SHALL BE COORDINATED WITH THE OWNER.
H	PROVIDE ALL TELECOMMUNICATION OUTLETS AS SHOWN ON THE DRAWINGS AND AS REQUIRED TO PROVIDE CONNECTIONS FOR EACH DEVICE SHOWN ON THE DRAWINGS.
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AV	AV FLOOR BOX LOCATION
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MON	INTERACTIVE MONITOR LOCATION
MON	MONITOR LOCATION
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S	PAGING SPEAKER - CEILING MOUNTED
SPK	PAGING SPEAKER - WALL MOUNTED
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ST	STROBE LIGHT - CEILING MOUNTED
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TS	TEACHER STATION ROUGH-IN LOCATION
VC	VOLUME CONTROL LOCATION - FLUSH MOUNTED
WA	WIRELESS MICROPHONE ANTENNA
CR	CARD READER LOCATION
VI	VIDEO INTERCOM DOOR STATION
AS	VIDEO INTERCOM ANSWERING STATION
SC	SECURITY CAMERA - CEILING MOUNTED
SC	SECURITY CAMERA - WALL MOUNTED

SHEET NOTES

1 APPROXIMATE BOLLARD LOCATION TO SUPPORT CARD READER, VIDEO INTERCOM, AND ADA OPERATOR

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Linton-Stockton Addition and Renovation

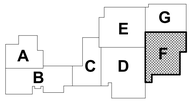
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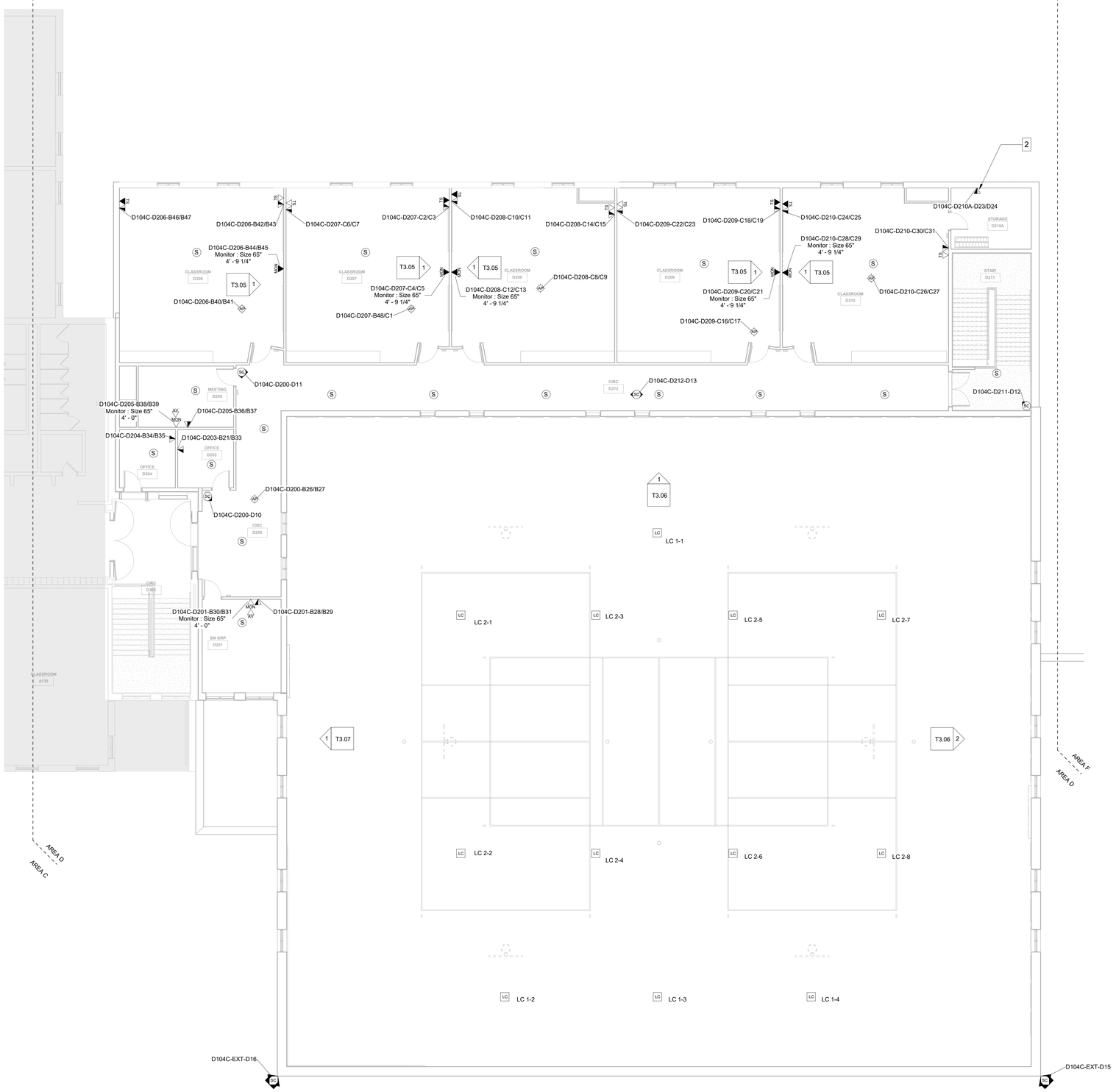
MAIN LEVEL TECHNOLOGY PLAN - AREA F

Scale: As Indicated

T2.01F

Submitted Plot By Erin Wooten Wooten School Addition and Renovation Erin.Wooten@Wooten and Renovation_T2.01.rvt
5/4/2026 4:28:38 PM

E



1 UPPER LEVEL TECHNOLOGY PLAN - AREA D
1/8" = 1'-0"

GENERAL HORIZONTAL CABLING NOTES	
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SC	SECURITY CAMERA - CEILING MOUNTED
SC	SECURITY CAMERA - WALL MOUNTED

SHEET NOTES

2 TEMPERATURE CONTROL PANEL LOCATION. CONFIRM FINAL LOCATION WITH CONTROLS CONTRACTOR PRIOR TO INSTALLATION

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Linton-Stockton Addition and Renovation

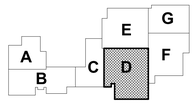
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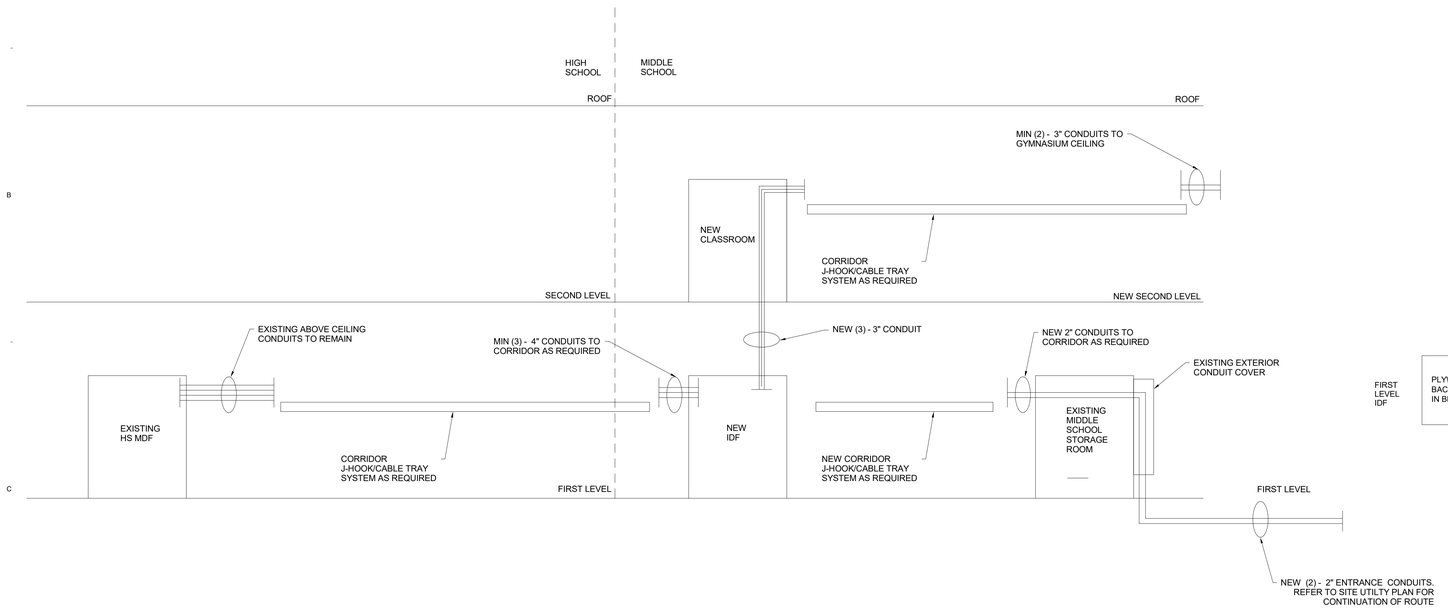
UPPER LEVEL TECHNOLOGY PLAN - AREA D

Scale: As indicated

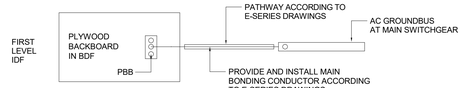
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4 TELECOM RISER DISTRIBUTION DIAGRAM
N.T.S.



1 TELECOM GROUND RISER DETAIL
N.T.S.

CONDUCTOR SIZING

Recommended Sizing of the Telecommunications Bonding Backbone Conductor (TBBC) and Grounding Equalizer (GE) per ANSI/TIA-607-D

The TBBC, BC, and BCT shall be copper conductors. The TBBC shall be sized at 2 kcmil per linear foot of conductor length up to a maximum size of a 750 kcmil. The TBBC may be insulated. The Bonding conductor for Telecommunications (BCT) and Bonding Conductor (BC) shall be, as a minimum, the same size as the largest TBBC used (1).

TBBC LENGTH LINEAR M (FT)	TBBC SIZE (AWG)
LESS THAN 4(13')	6
4-6 (14-20')	4
6-8 (21-26')	3
8-10 (27-33')	2
10-13 (34-41')	1
13-16 (43-52')	1/0
16-20 (53-66')	2/0
20-26 (67-84')	3/0
26-32 (85-105')	4/0
32-38 (106-125')	250 kcmil
38-46 (126-150')	300 kcmil
46-53 (151-175')	350 kcmil
53-76 (176-250')	500 kcmil
76-91 (251-300')	600 kcmil
Greater than 91 (301')	750 kcmil

The TEBC minimum conductor size shall be a No. 6 AWG.

(1). Telecommunications Industry Association, Commercial Building Grounding (Earthing) and Bonding Requirements For Telecommunications, ANSI/TIA-607-D, July 2019.

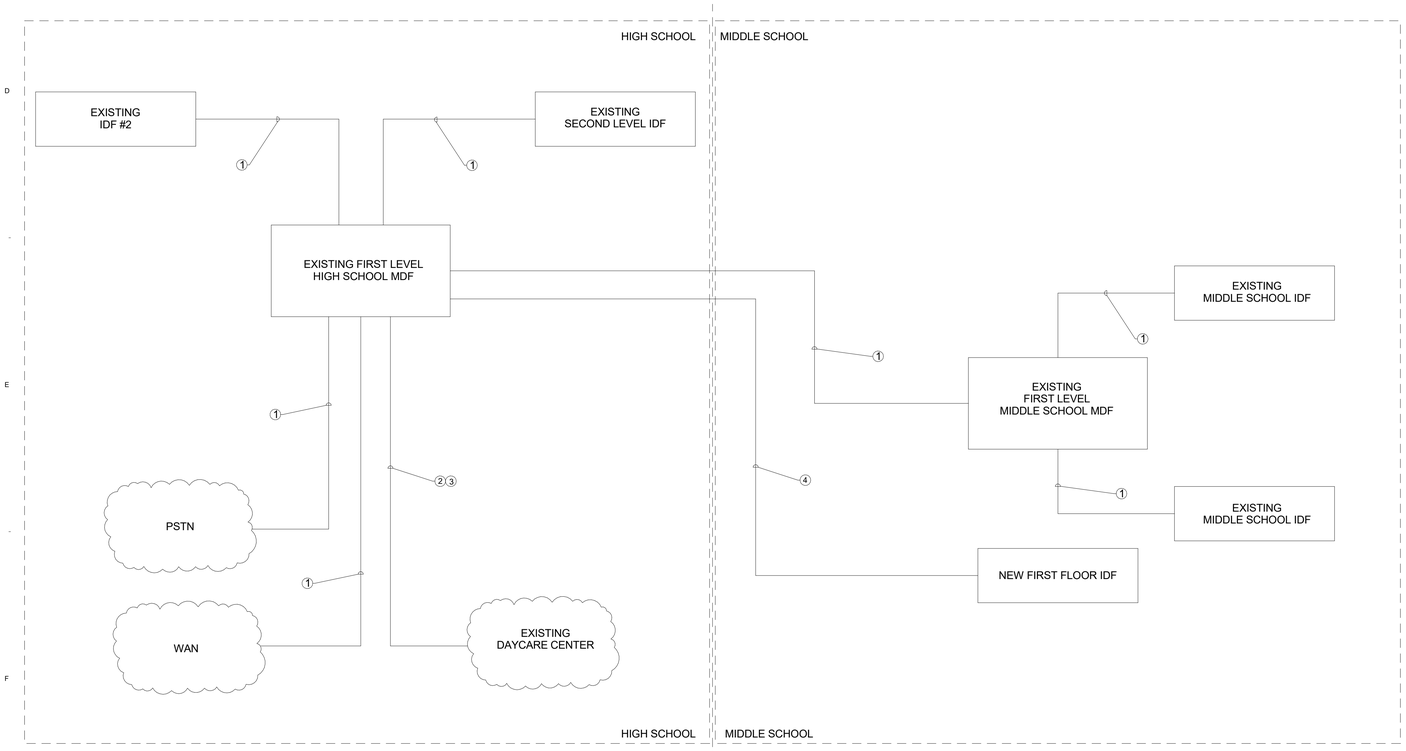
GROUNDING SYSTEM NOTES (THIS DETAIL)

A. TBBC, TEBC, AND BC GROUNDING CONDUCTORS MUST BE INSTALLED IN COMPLIANCE WITH LOCAL CODES; THIS MAY REQUIRE INSTALLATION IN METALLIC CONDUIT IF RUN THROUGH PLENUM CEILING CAVITIES

B. GROUNDING CONDUCTORS RUN THROUGH A CONDUIT SHALL BE BONDED TO THE CONDUIT AT EACH END.

C. ALL GROUND CONDUCTORS SHALL BE INSTALLED IN THE SHORTEST AND MOST DIRECT PATH PRACTICAL.

D. WHERE THE ENTRANCE FACILITY IS LOCATED IN THE BDF, THE PBB SHALL ALSO SERVE AS THE SBB FOR THE ROOM; THE TBBCS REQUIRED FROM THE BDF TO EACH IDF ALONG THE BACKBONE CABLE PATH WILL ALSO BE USED TO CONNECT THE SBB'S TO THE PBB.



3 TELECOM RISER CABLING DIAGRAM
N.T.S.

(#) RISER LEGEND: (THIS DETAIL)

1. EXISTING CABLING TO REMAIN
2. EXISTING 12 STRAND MULTI-MODE UNDERGROUND OSP FIBER TO BE DEMOLISHED.
3. NEW 12 STRAND INDOOR/OUTDOOR PLENUM RATED SINGLE MODE FIBER OPTIC CABLE.
4. NEW 12 STRANDS OM4 MULTIMODE PLENUM RATED FIBER OPTIC RISER CABLE.

RISER NOTES (THIS DETAIL)

1. UNLESS OTHERWISE NOTED, RISER TERMINATIONS SHALL BE AS FOLLOWS:
   A] SINGLE MODE FIBER OPTIC CABLE WILL TERMINATE IN PATCH PANELS IN THE RACKS AT EACH END;
   B] MULTI MODE FIBER OPTIC CABLE WILL TERMINATE IN PATCH PANELS IN THE RACKS AT EACH END;
   C] RISER CABLES ENTERING MDF AND TELECOMMUNICATIONS ROOM(S) SHALL CONTINUE WITHIN EACH ROOM TO THEIR SPECIFIED TERMINATION POINT WITH ADEQUATE SERVICE LOOP (SEE NOTES THIS DETAIL)
   D] CONTRACTOR SHALL CONFIRM RISER CABLE LABELING WITH OWNER PRIOR TO INSTALLATION
2. CONTRACTOR SHALL RE-LABEL ALL EXISTING RISER CABLING AND TERMINATION LOCATIONS TO NEW ROOM NUMBERS AS REQUIRED. REFER TO THE ARCHITECTURAL SIGNAGE PLAN FOR ROOMS THAT HAVE WILL BE UPDATED.

E

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TELECOM DIAGRAMS

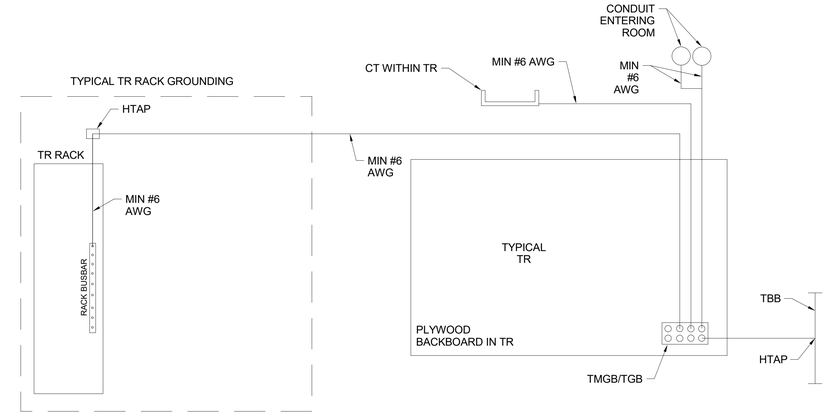
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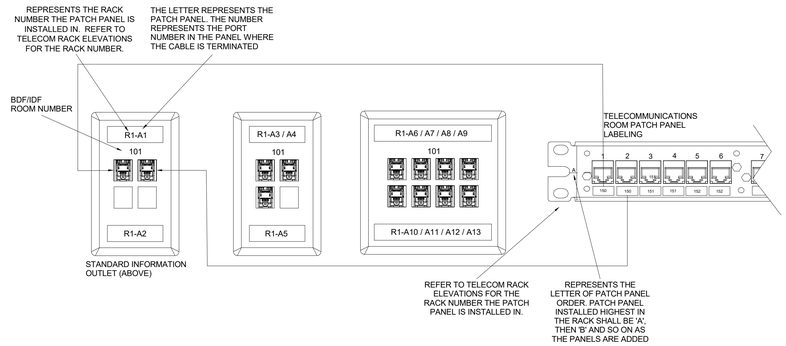
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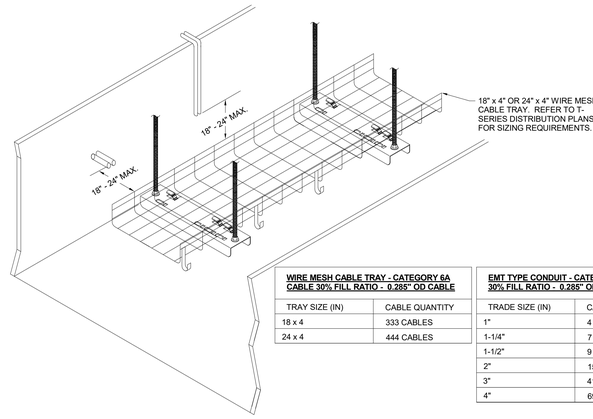
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1 TELECOM ROOM TYPICAL GROUND DETAIL
N.T.S.



2 TYPICAL DATA OUTLET LABELING
N.T.S.



WIRE MESH CABLE TRAY - CATEGORY 6A CABLE 30% FILL RATIO - 0.285" OD CABLE

TRAY SIZE (IN)	CABLE QUANTITY
18 x 4	333 CABLES
24 x 4	444 CABLES

EMT TYPE CONDUIT - CATEGORY 6A CABLE 30% FILL RATIO - 0.285" OD CABLE

TRADE SIZE (IN)	CABLE QUANTITY
1"	4 CABLES
1-1/4"	7 CABLES
1-1/2"	9 CABLES
2"	15 CABLES
3"	41 CABLES
4"	69 CABLES

3 CORRIDOR CABLE TRAY WITH CAT 6A FILL RATIO
N.T.S.

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TELECOM DIAGRAMS

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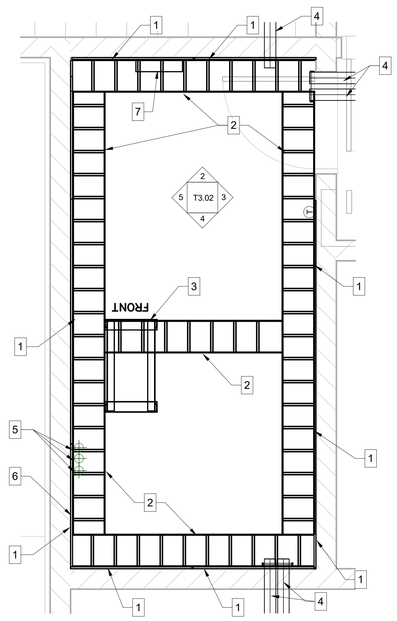
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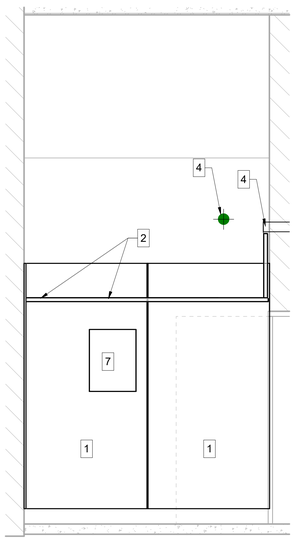
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SHEET NOTES

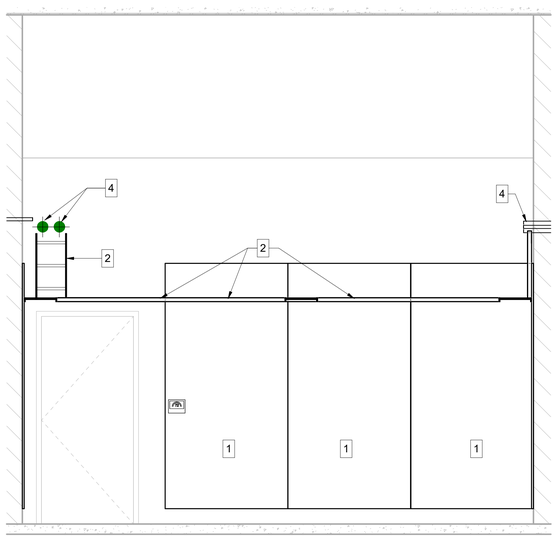
1. NEW TR PLYWOOD MOUNTED VERTICALLY FROM 0'-6" TO 8'-6" A.F.F.
2. NEW 12" LADDER TRAY
3. NEW 4-POST TELECOM RACK
4. NEW HORIZONTAL CONDUIT SLEEVE
5. NEW VERTICAL CONDUIT SLEEVE
6. NEW SECONDARY BONDING BUSBAR (SBB)
7. NEW WALL MOUNTED SECURITY ENCLOSURE



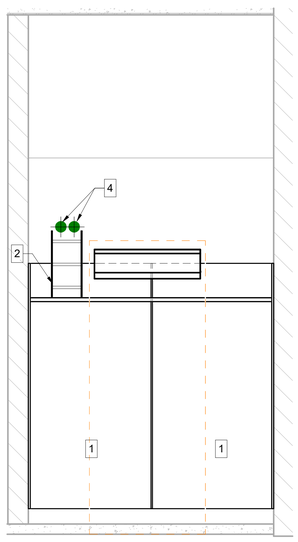
1 IDF ROOM LAYOUT
1/2" = 1'-0"



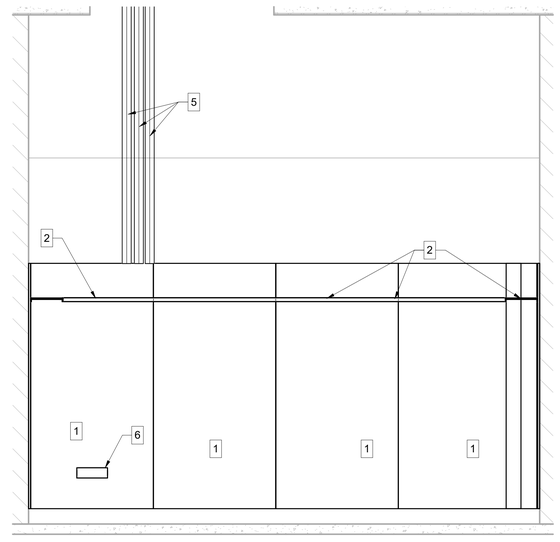
2 IDF - NORTH
1/2" = 1'-0"



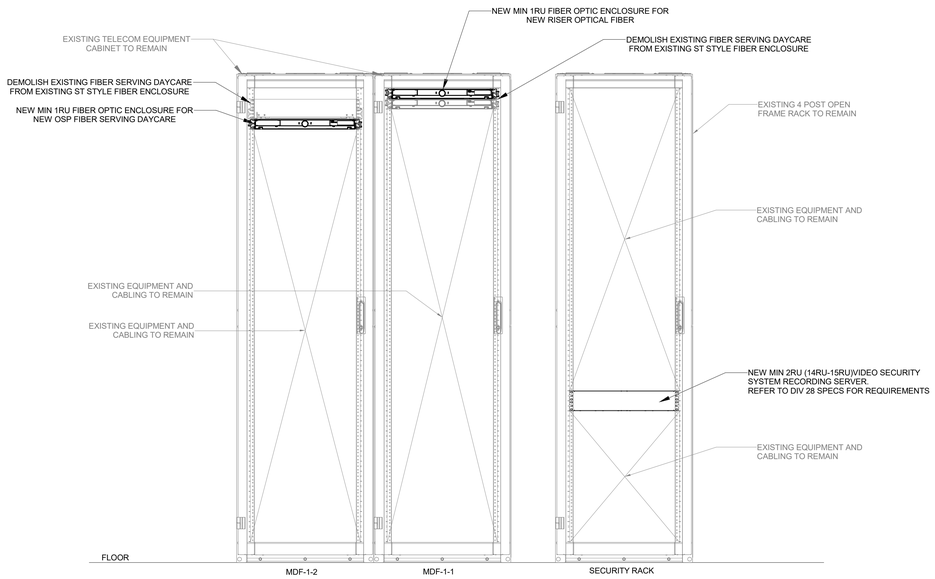
3 IDF - EAST
1/2" = 1'-0"



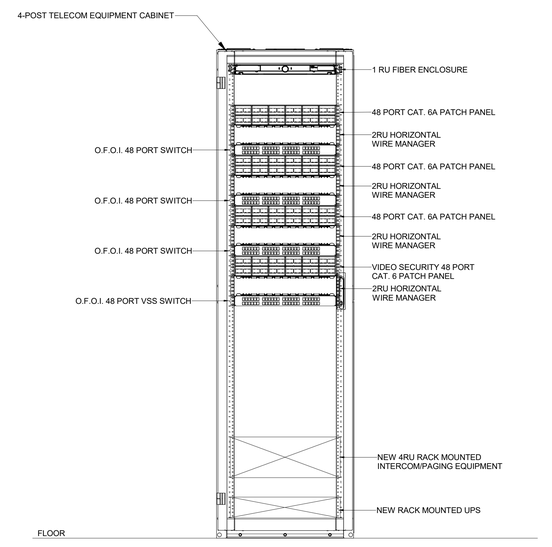
4 IDF - SOUTH
1/2" = 1'-0"



5 IDF - WEST
1/2" = 1'-0"



7 EXISTING MDF RACK ELEVATION
N.T.S.



6 IDF RACK ELEVATION
N.T.S.

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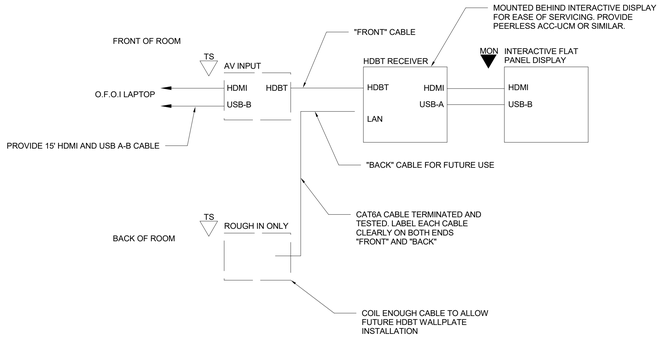
TELECOM ROOM LAYOUTS AND RACK ELEVATION

Scale: **As indicated**

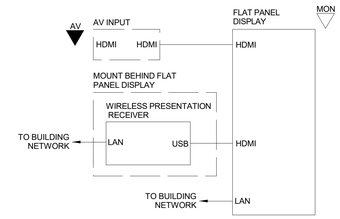
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Author Date & Time: Brandon Wiebe 9/25/2026 4:28:36 PM
Revised By: TRY/JH

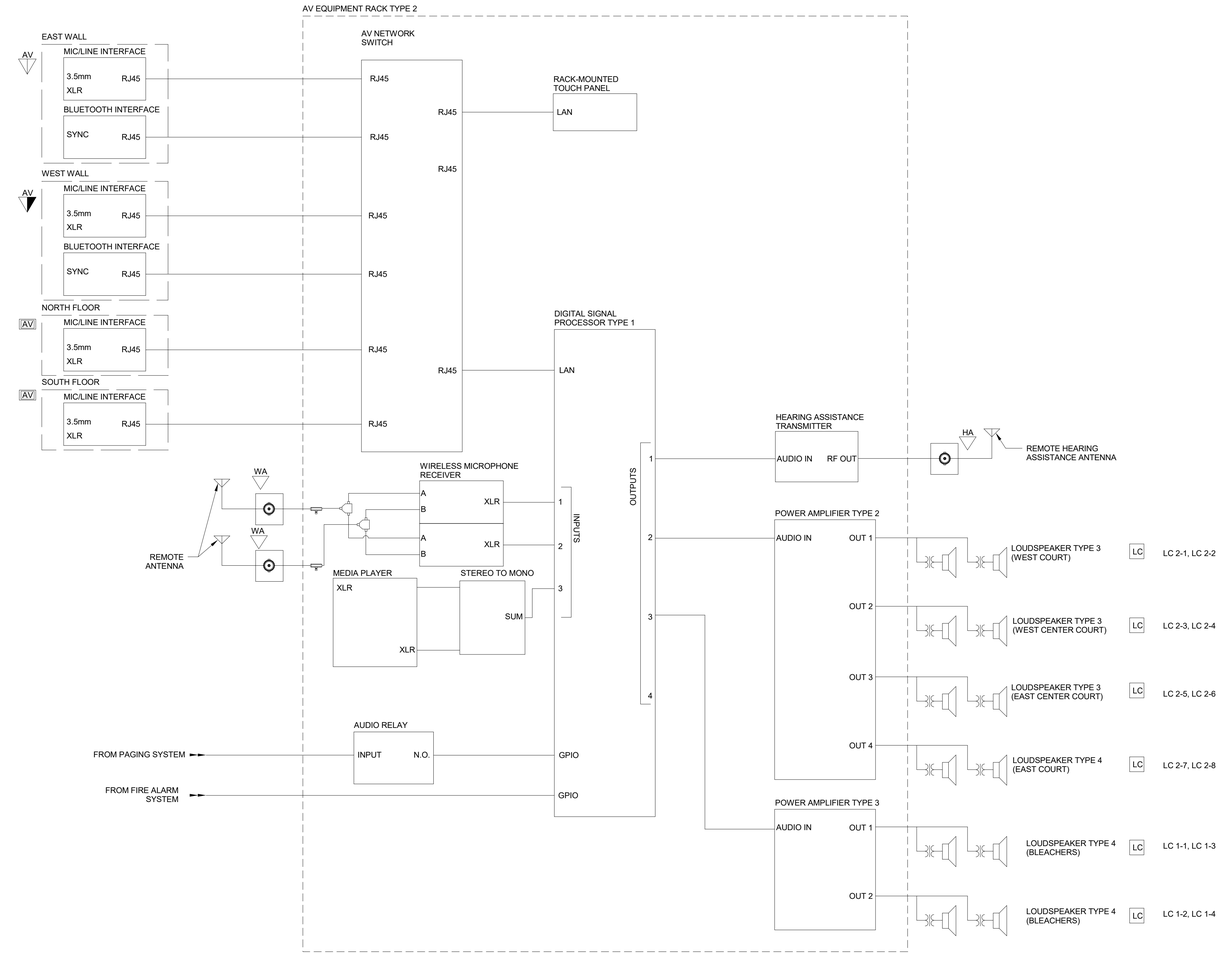
MN



2 TYPICAL CLASSROOM AV DIAGRAM
N.T.S.



3 TYPICAL MEETING ROOM AV DIAGRAM
N.T.S.



6 GYMNASIUM AV DIAGRAM
N.T.S.

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AV DIAGRAMS

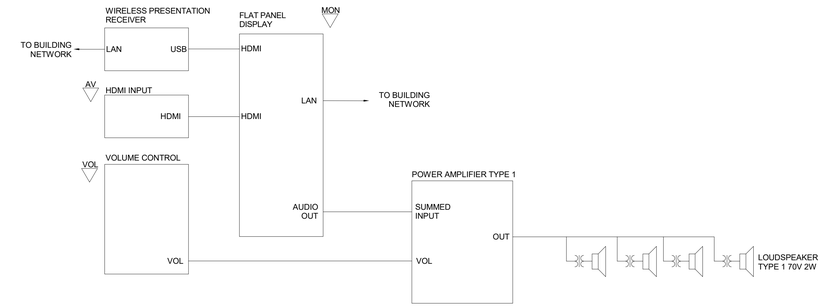
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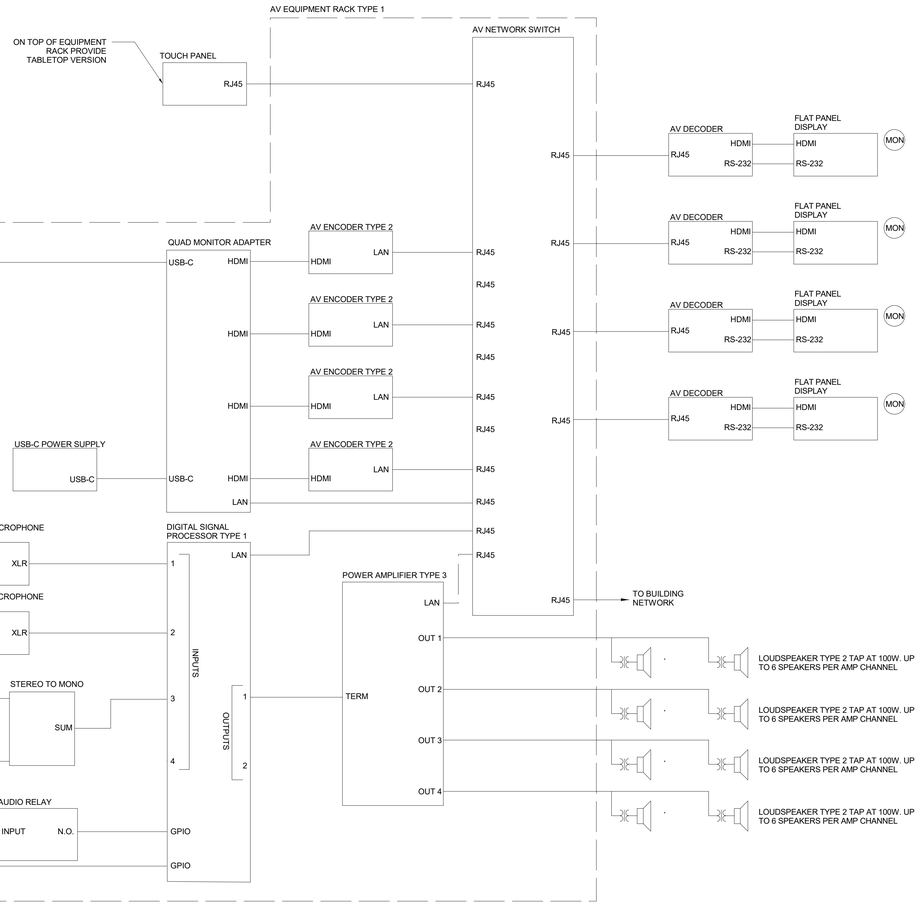
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E

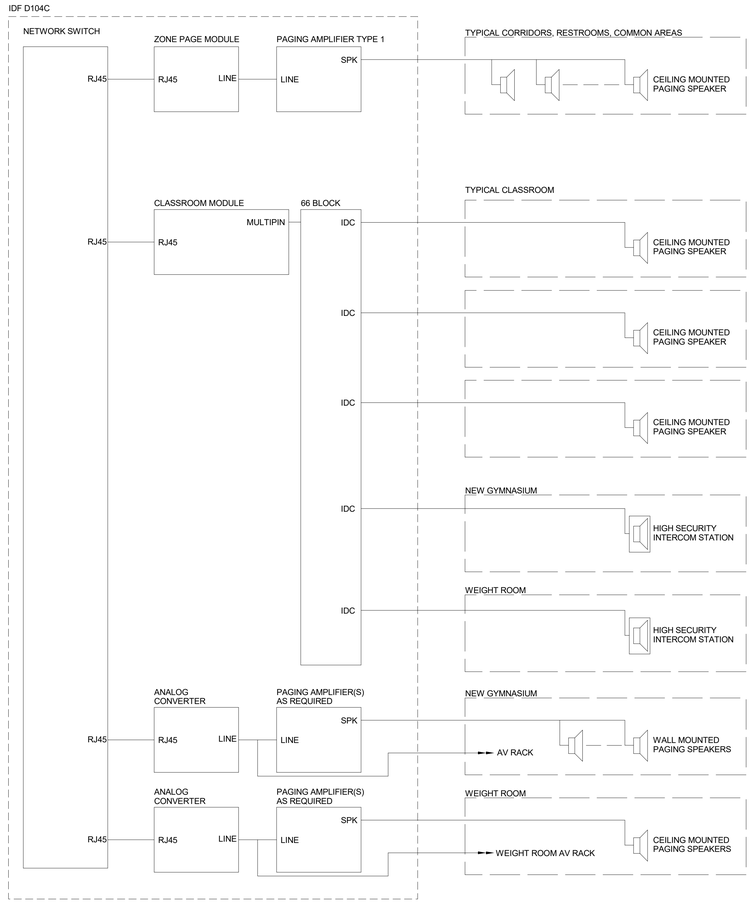
MN



1 MINERS HUB AV DIAGRAM
N.T.S.



2 WEIGHT ROOM AV DIAGRAM
N.T.S.



3 PAGING AV DIAGRAM
N.T.S.

E

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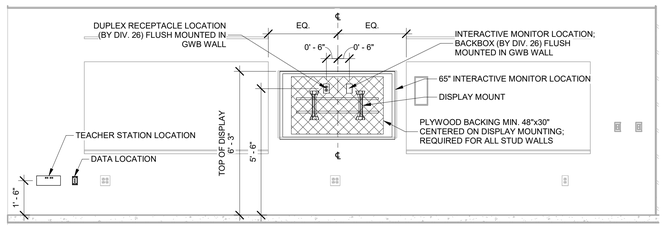
AV DIAGRAMS

Scale: N.T.S.

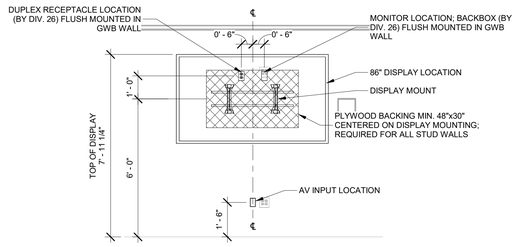
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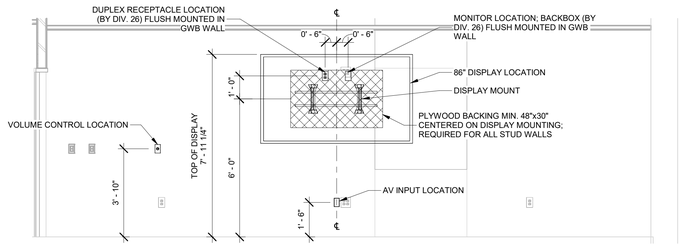
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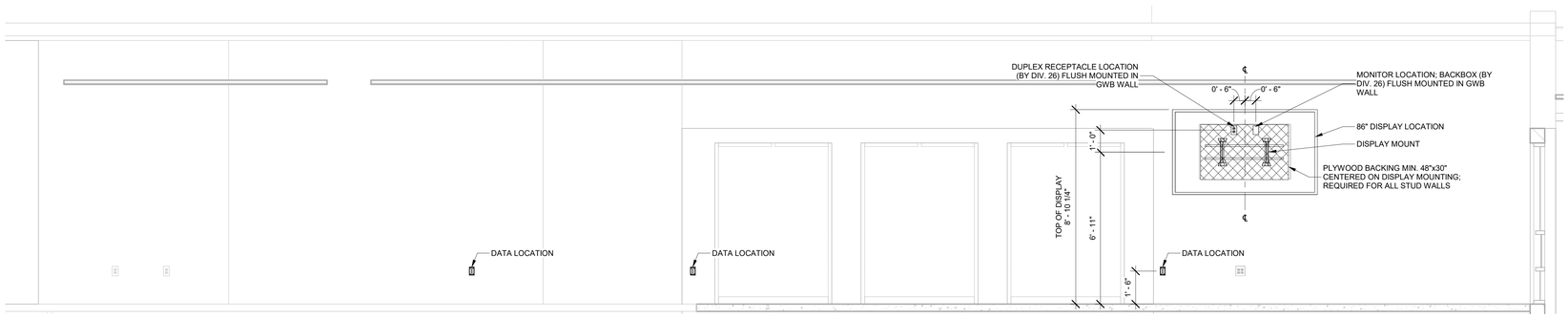
1 TYPICAL CLASSROOM AV ELEVATION
3/8" = 1'-0"



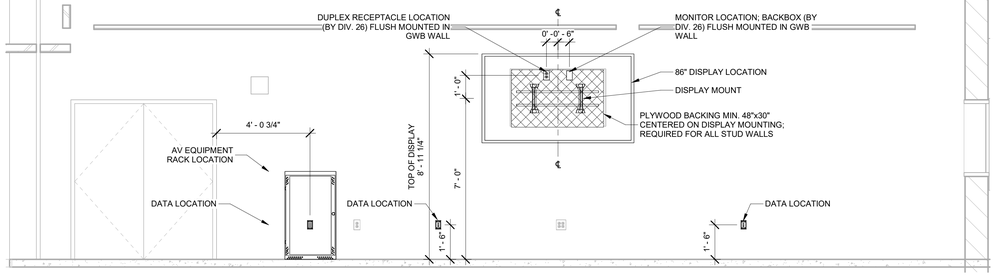
2 TYPICAL MONITOR ELEVATION - MINER HUB D121
3/8" = 1'-0"



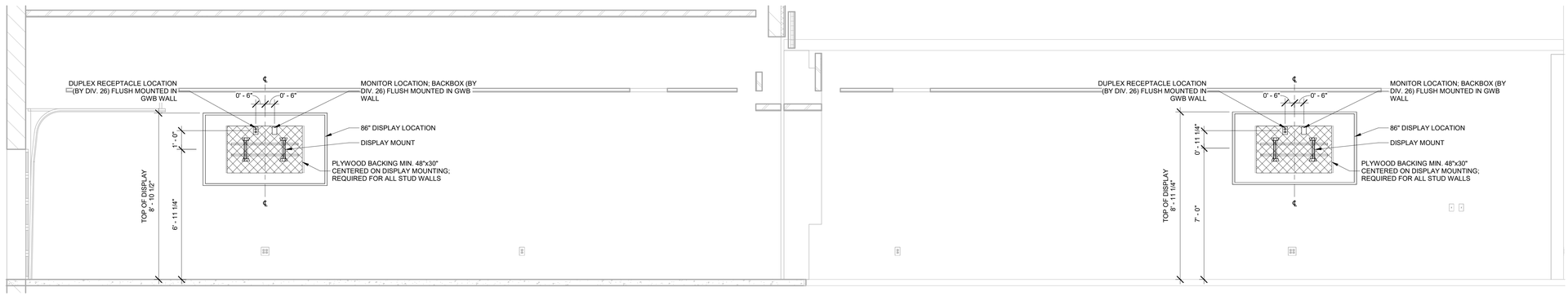
3 MINER HUB D121 AV ELEVATION - EAST
3/8" = 1'-0"



4 WEIGHT ROOM D115 AV ELEVATION - NORTH
3/8" = 1'-0"



5 WEIGHT ROOM D115 AV ELEVATION - SOUTHEAST
3/8" = 1'-0"



6 WEIGHT ROOM D115 AV ELEVATION - WEST
3/8" = 1'-0"

E

Architect Project Number Author Author and Reviewed from Revizer Addition and Renovation_10H.rvt
5/14/2026 4:08:31 PM

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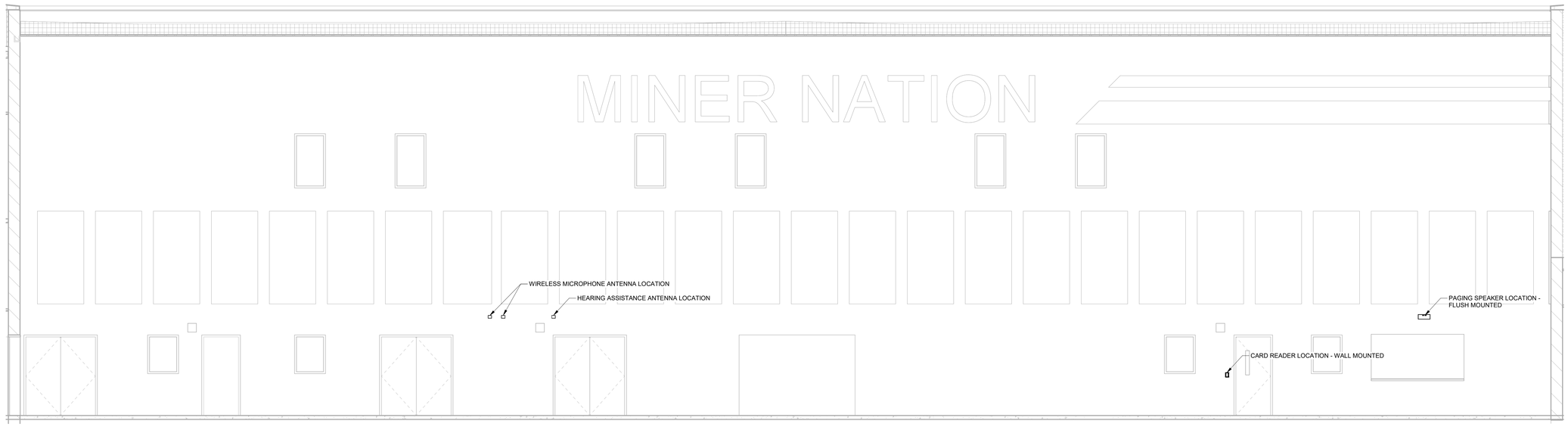
AV ELEVATIONS

Scale: 3/8" = 1'-0"

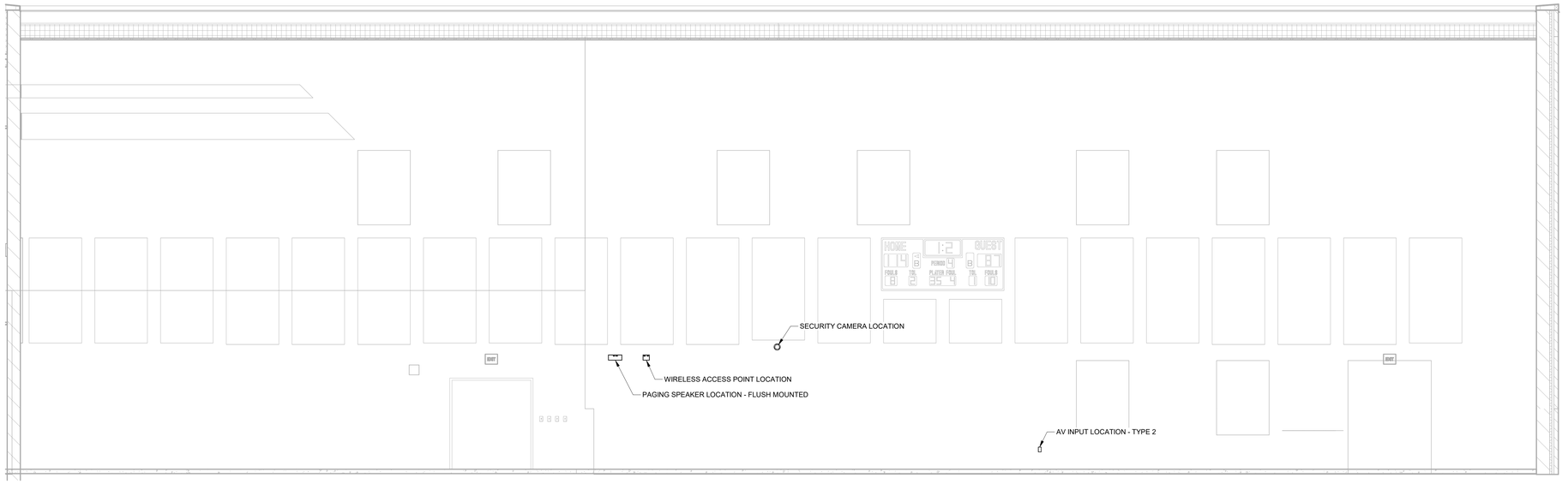
100% CD SET

T3.05

MN



1 GYMNASIUM D102 AV ELEVATION - NORTH
1/4" = 1'-0"



2 GYMNASIUM D102 AV ELEVATION - EAST
1/4" = 1'-0"

E

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AV ELEVATIONS

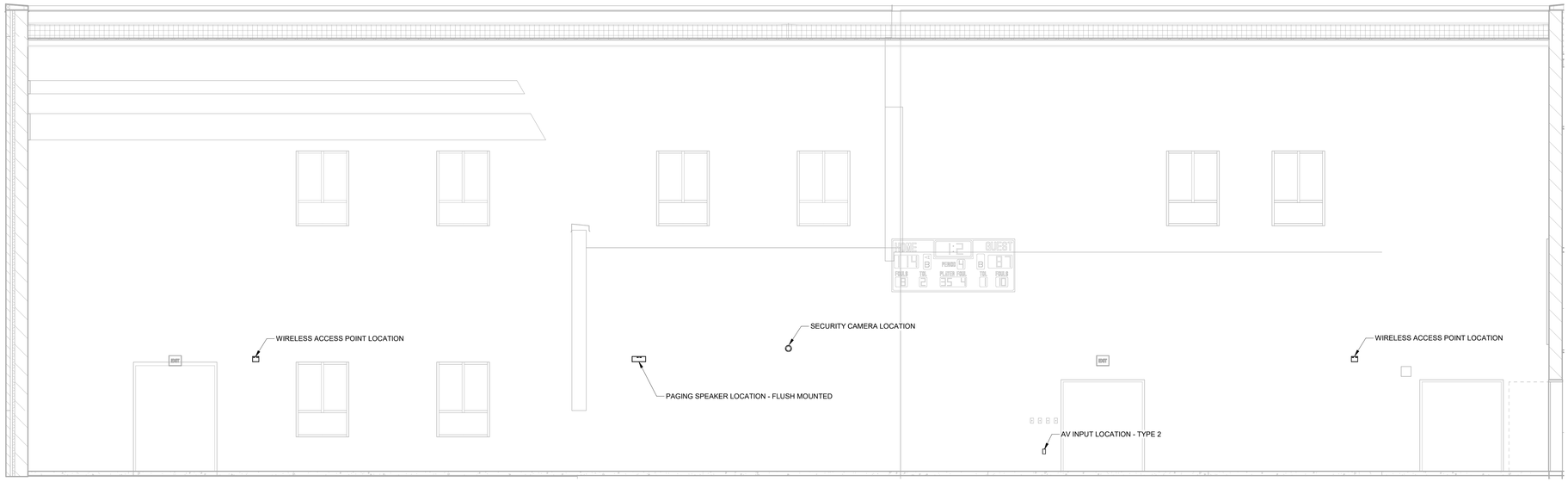
Scale: 1/4" = 1'-0"

T3.06

Architect Drawing Sheet Revision Matrix Linton Addition and Renovation Linton-Stockton Addition and Renovation_260804.rvt 9/24/2026 4:28:31 PM



2 GYMNASIUM D102 AV ELEVATION - SOUTH
1/4" = 1'-0"



1 GYMNASIUM D102 AV ELEVATION - WEST
1/4" = 1'-0"

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AV ELEVATIONS

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

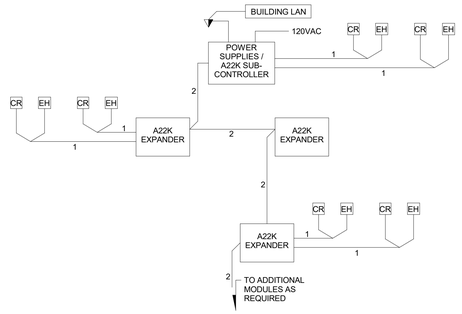
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100% CD SET

Author: Tyler Yoder, Electrical Middle School Addition and Renovation Linton-Stockton Addition and Renovation, 7/8/2026 4:28:31 PM

MN

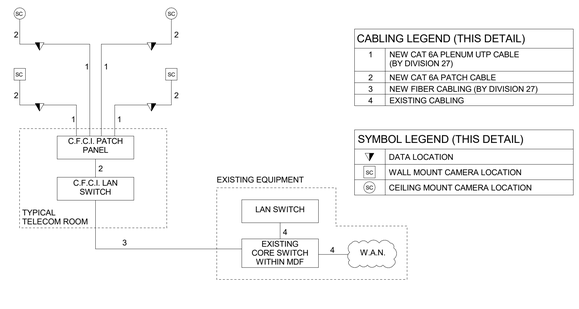
E



CABLING LEGEND (THIS DETAIL)	
1	NEW COMPOSITE ACCESS CONTROL CABLE
2	NEW RS-485 CABLE

SYMBOL LEGEND (THIS DETAIL)	
	DATA LOCATION
CR	CARD READER
EH	ELECTRONIC LOCKING HARDWARE

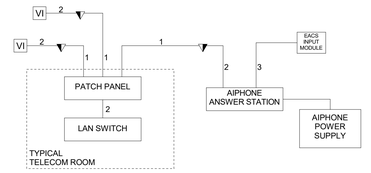
1 ACCESS CONTROL FUNCTIONAL DIAGRAM
N.T.S.



CABLING LEGEND (THIS DETAIL)	
1	NEW CAT 6A PLENUM UTP CABLE (BY DIVISION 27)
2	NEW CAT 6A PATCH CABLE
3	NEW FIBER CABLING (BY DIVISION 27)
4	EXISTING CABLING

SYMBOL LEGEND (THIS DETAIL)	
	DATA LOCATION
SC	WALL MOUNT CAMERA LOCATION
SC	CEILING MOUNT CAMERA LOCATION

2 VIDEO SECURITY SYSTEM FUNCTIONAL DIAGRAM
N.T.S.



CABLING LEGEND (THIS DETAIL)	
1	NEW CAT 6A PLENUM UTP CABLE (BY DIVISION 27)
2	NEW CAT 6A PATCH CABLE
3	NEW MIN. 18/2 CABLE

SYMBOL LEGEND (THIS DETAIL)	
VI	VIDEO INTERCOM DOOR STATION
	DATA PORT

3 DOOR INTERCOM FUNCTIONAL DIAGRAM
N.T.S.

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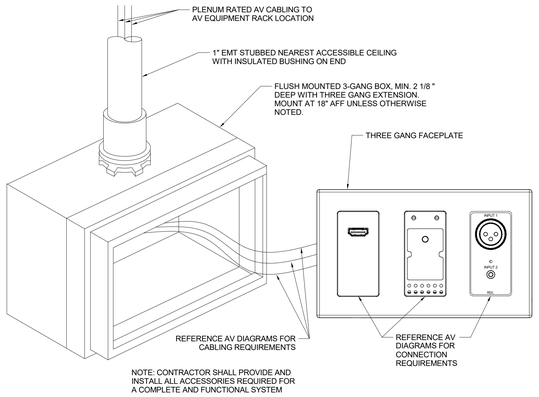
SECURITY DIAGRAMS

Scale: N.T.S.

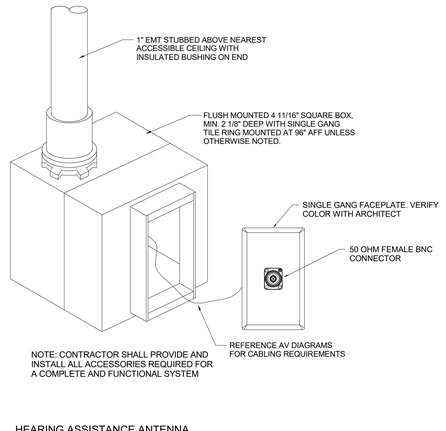
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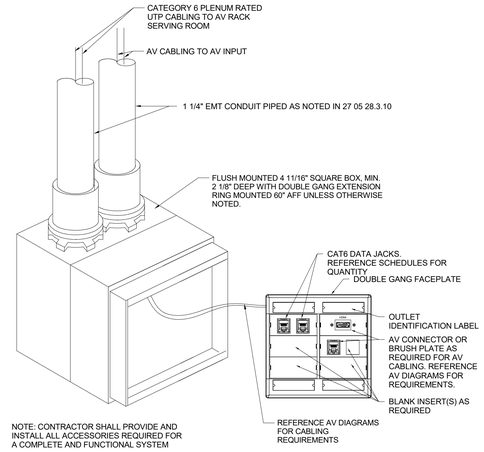
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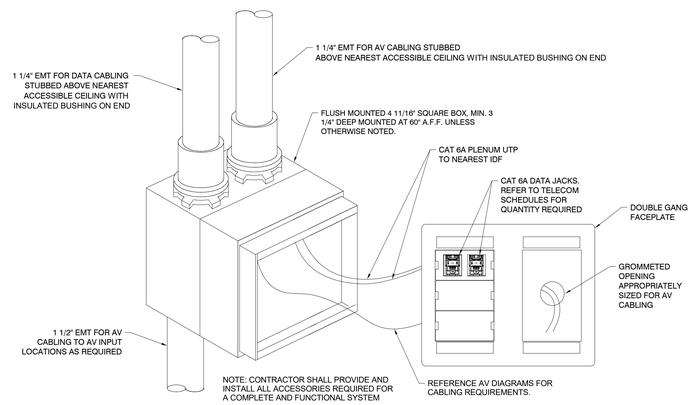
1 AV INPUT LOCATION - TYPE 3
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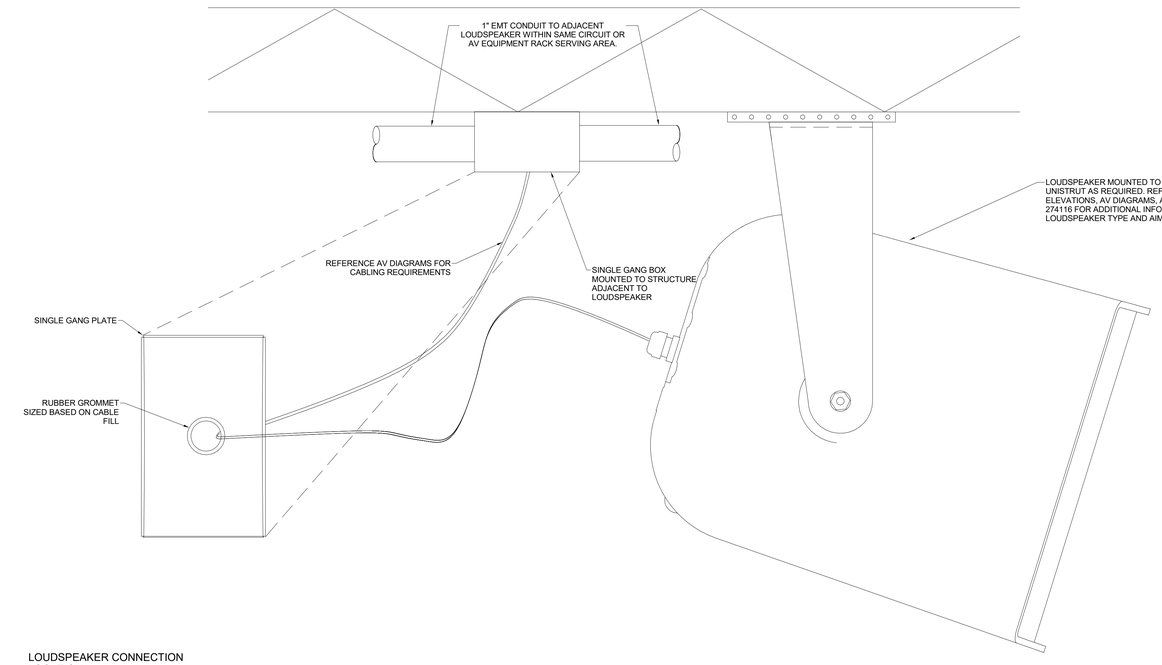
2 HEARING ASSISTANCE ANTENNA LOCATION
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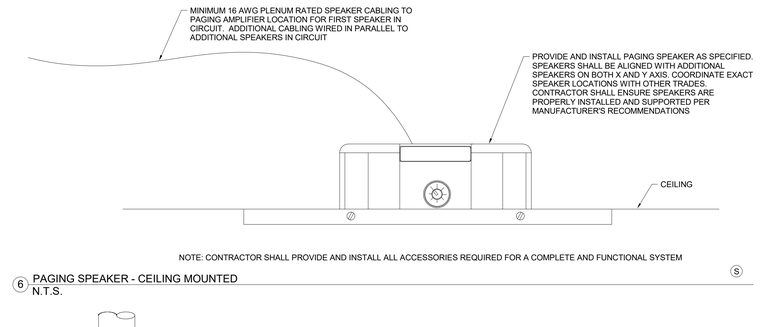
3 INTERACTIVE MONITOR LOCATION
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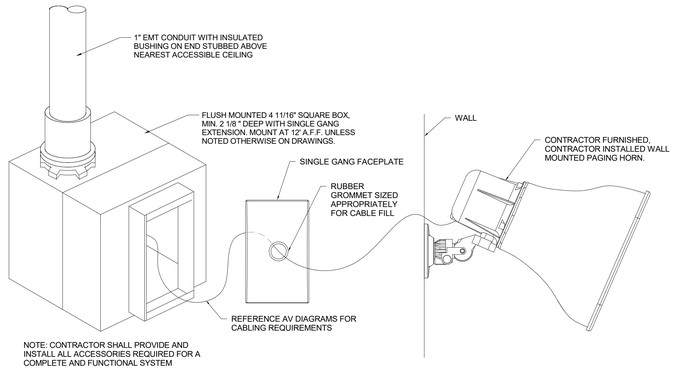
4 MONITOR LOCATION - WALL MOUNTED
N.T.S.



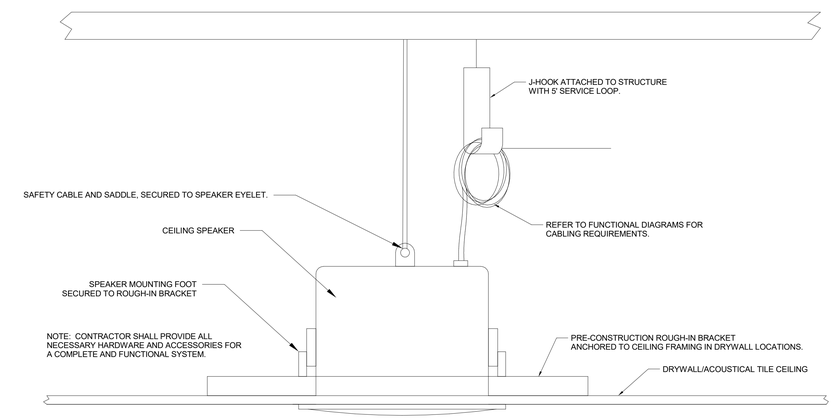
5 LOUDSPEAKER CONNECTION LOCATION
N.T.S.



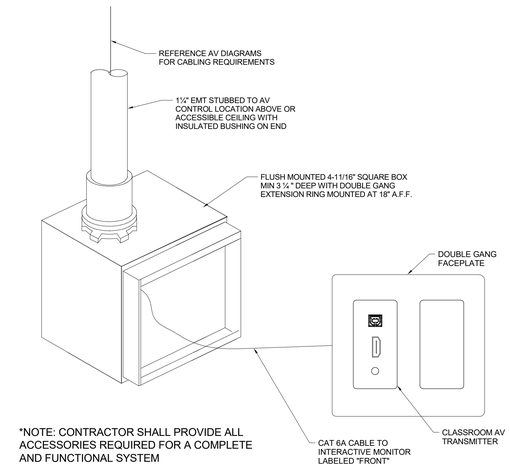
6 PAGING SPEAKER - CEILING MOUNTED
N.T.S.



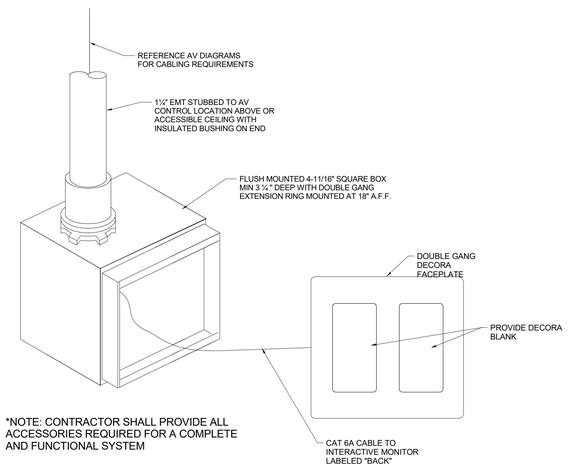
7 PAGING SPEAKER - WALL MOUNTED
N.T.S.



8 PROGRAM SPEAKER LOCATION - CEILING MOUNTED
N.T.S.



9 TEACHER STATION LOCATION - TYPE 1
N.T.S.



10 TEACHER STATION ROUGH-IN LOCATION - TYPE 2
N.T.S.

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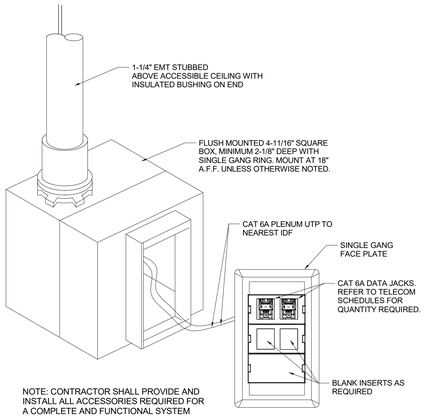
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North

TECHNOLOGY DETAILS

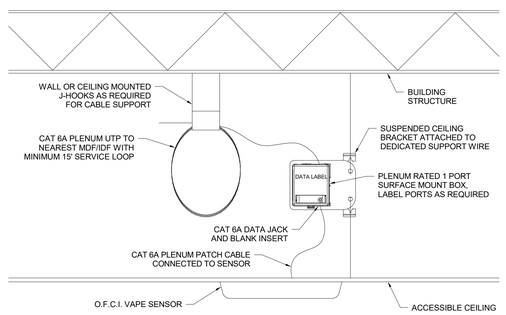
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T4.00

MN

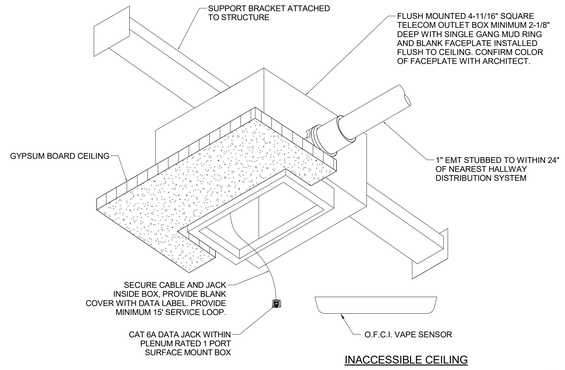


1 DATA LOCATION
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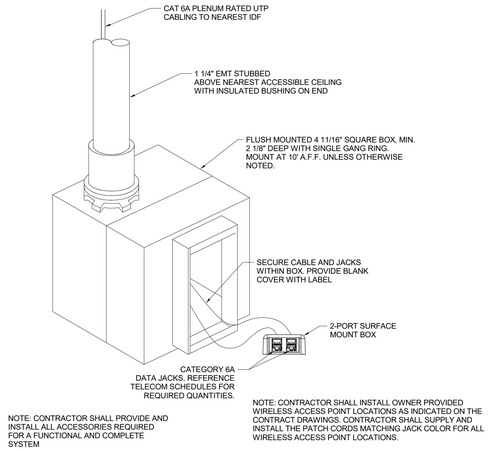


ACCESSIBLE CEILING

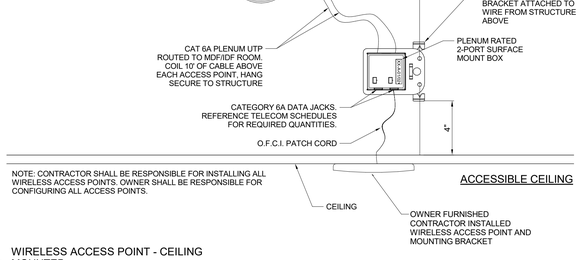
2 ENVIRONMENTAL SENSOR LOCATION
N.T.S.



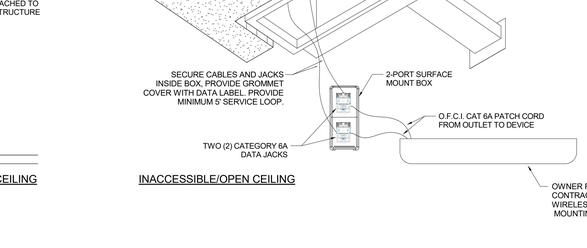
INACCESSIBLE CEILING



3 WIRELESS ACCESS POINT - WALL MOUNTED
N.T.S.

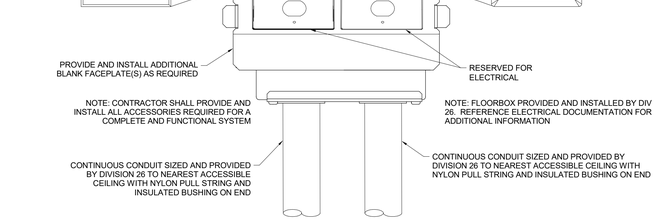


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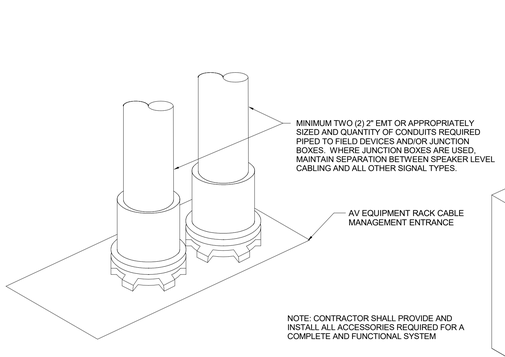


INACCESSIBLE/OPEN CEILING

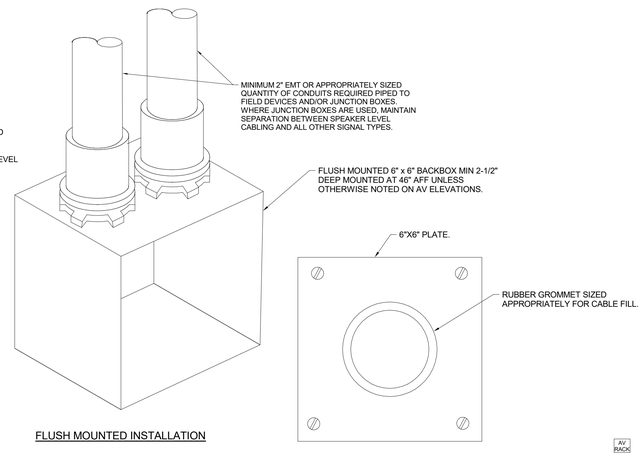
4 WIRELESS ACCESS POINT - CEILING MOUNTED
N.T.S.



5 AV FLOOR BOX LOCATION
N.T.S.

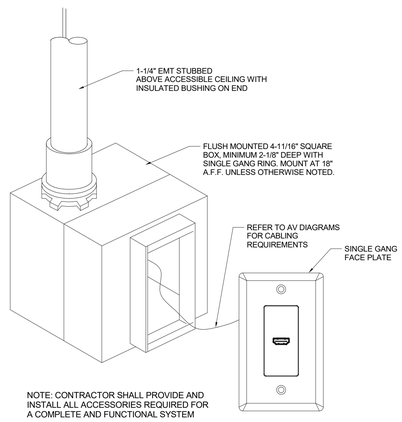


SURFACE MOUNTED INSTALLATION

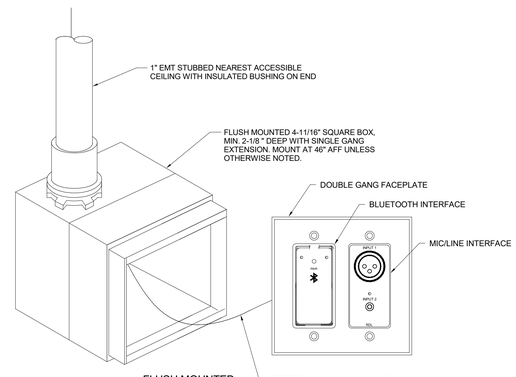


FLUSH MOUNTED INSTALLATION

6 AV EQUIPMENT RACK LOCATION
N.T.S.



7 AV INPUT LOCATION - TYPE 1
N.T.S.



FLUSH MOUNTED INSTALLATION

8 AV INPUT LOCATION - TYPE 2
N.T.S.

Linton-Stockton Addition and Renovation

10 H St NE
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260804037

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TECHNOLOGY DETAILS

Scale: N.T.S.

100% CD SET

T4.01

Autodesk Docs://Linton Stockton Middle School Addition and Renovation/Linton Stockton Addition and Renovation_25Q01.rvt
9/24/2026 4:38:34 PM

MN

A

B

C

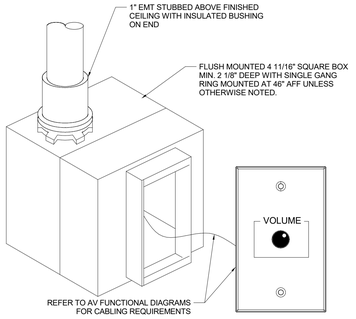
D

E

F

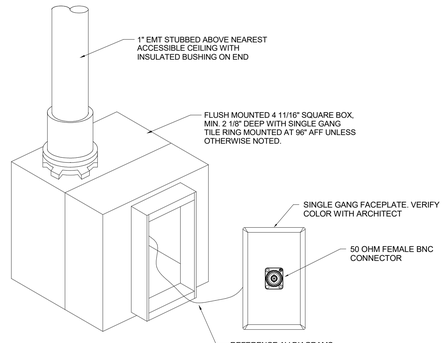
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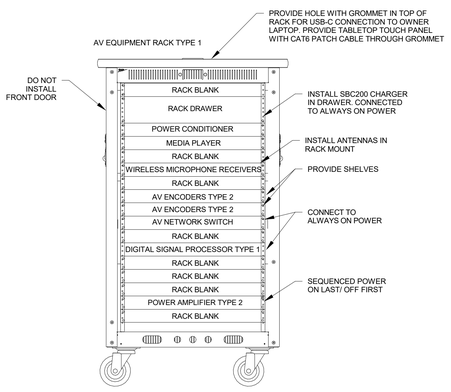
NOTE: CONTRACTOR SHALL PROVIDE AND INSTALL ALL ACCESSORIES REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM

1 VOLUME CONTROL DETAIL
N.T.S.

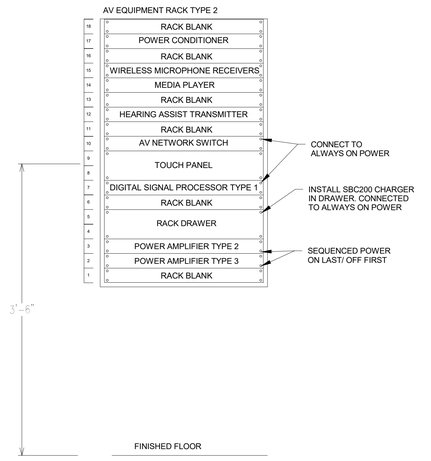


NOTE: CONTRACTOR SHALL PROVIDE AND INSTALL ALL ACCESSORIES REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM

2 WIRELESS MICROPHONE ANTENNA LOCATION
N.T.S.



3 WEIGHT ROOM AV RACK ELEVATION
N.T.S.



4 GYMNASIUM AV RACK ELEVATION
N.T.S.

100% CD SET

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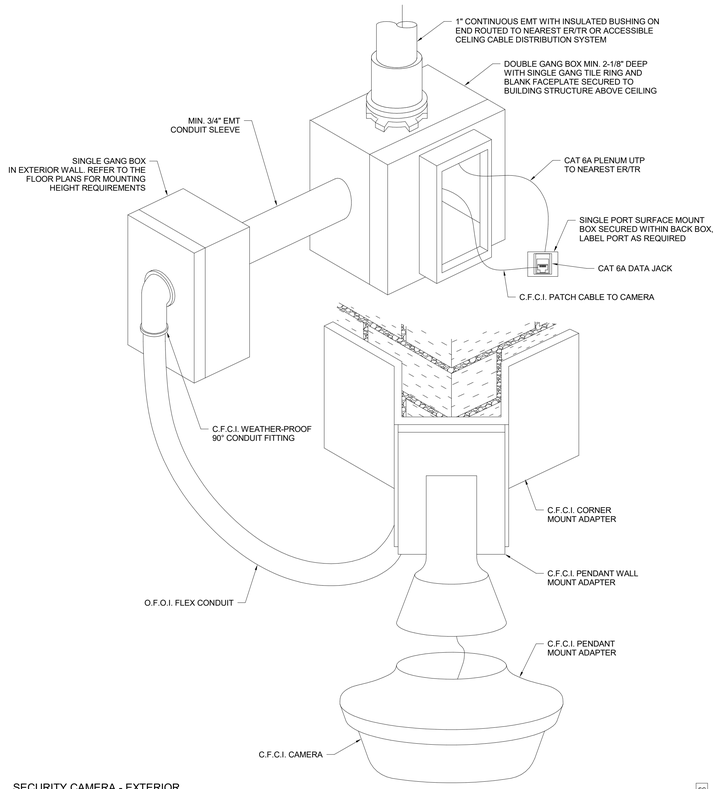
North

TECHNOLOGY DETAILS AND RACK ELEVATIONS

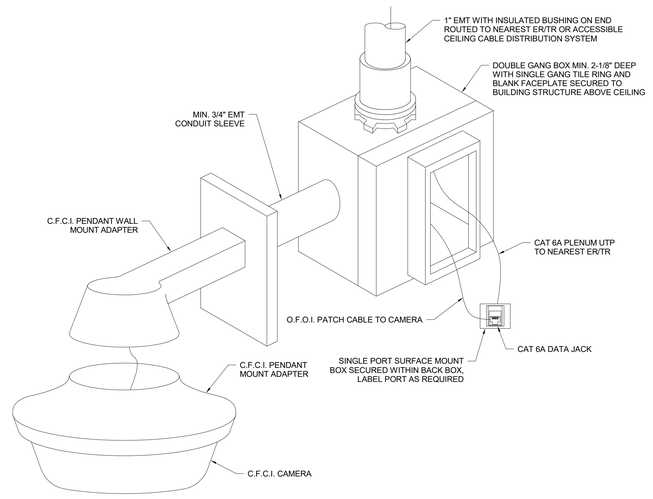
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T4.02

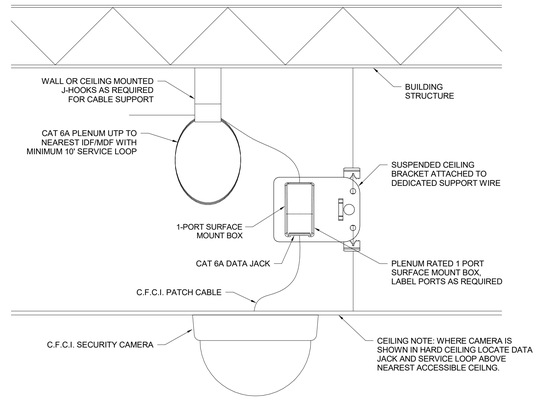
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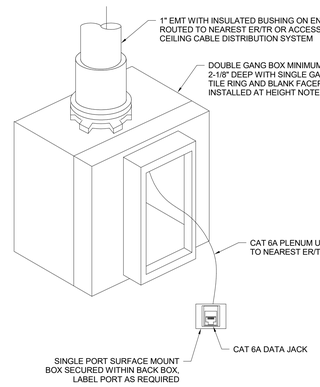
1 SECURITY CAMERA - EXTERIOR CORNER MOUNT
N.T.S.



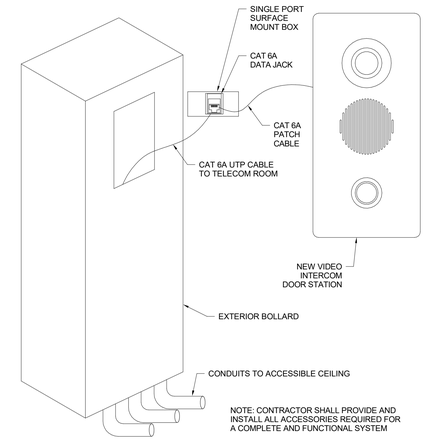
2 SECURITY CAMERA - EXTERIOR WALL MOUNT
N.T.S.



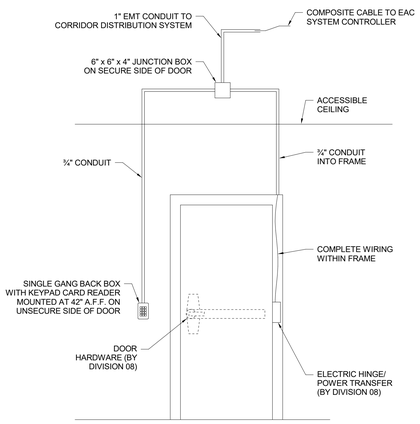
3 SECURITY CAMERA LOCATION_CEILING MOUNT
N.T.S.



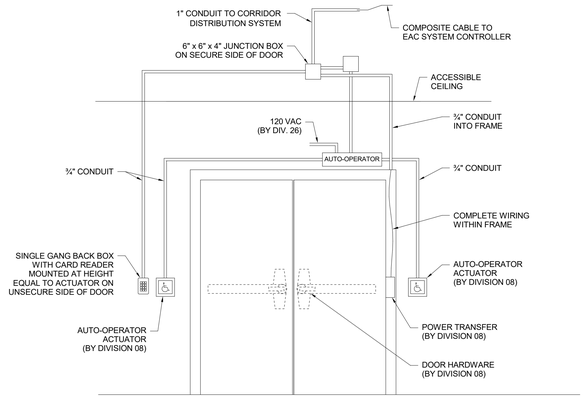
4 SECURITY CAMERA - INTERIOR WALL MOUNT
N.T.S.



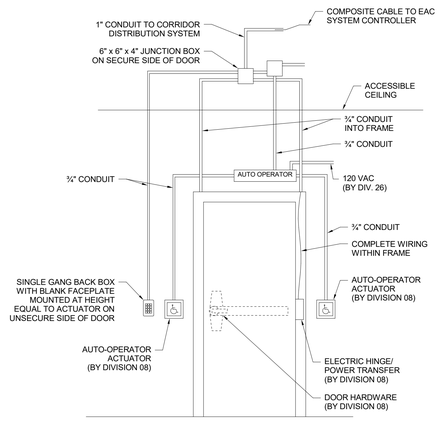
5 VIDEO INTERCOM DOOR STATION
N.T.S.



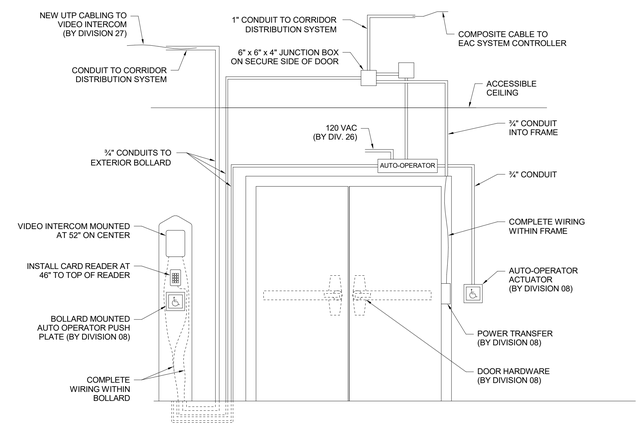
6 EAC DOOR TYPE S3 - CARD READER
N.T.S.



7 EAC DOOR TYPE D3A - CARD READER WITH ADA OPERATION
N.T.S.



8 EAC DOOR TYPE S3A - CARD READER
N.T.S.



9 EAC DOOR TYPE D3BA - BOLLARD MOUNT CARD READER WITH ADA OPERATION
N.T.S.

E

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SECURITY DETAILS

100% CD SET

Scale: N.T.S.

T4.03

MN

NEW IDF D104C TELECOM SCHEDULE

ROOM NUMBER	LABEL	TELECOM ROOM	DATA PORTS	COMMENTS
D100	D104C-D100-D1	D104C	1	SECURITY CAMERA LOCATION - CEILING MOUNTED
D101	D104C-D101-A1/A2	D104C	2	WIRELESS ACCESS POINT - CEILING MOUNTED
D101	D104C-D101-D2	D104C	1	SECURITY CAMERA LOCATION - WALL MOUNTED
D102	D104C-D102-A3/A4	D104C	2	WIRELESS ACCESS POINT - WALL MOUNTED
D102	D104C-D102-A5/A6	D104C	2	WIRELESS ACCESS POINT - WALL MOUNTED
D102	D104C-D102-A7/A8	D104C	2	WIRELESS ACCESS POINT - WALL MOUNTED
D102	D104C-D102-A9/A10	D104C	2	AV FLOOR BOX LOCATION
D102	D104C-D102-A11/A12	D104C	2	AV FLOOR BOX LOCATION
D102	D104C-D102-A13/A14	D104C	2	WIRELESS ACCESS POINT - WALL MOUNTED
D102	D104C-D102-D3	D104C	1	SECURITY CAMERA LOCATION - WALL MOUNTED
D102	D104C-D102-D4	D104C	1	SECURITY CAMERA LOCATION - WALL MOUNTED
D103	D104C-D103-D21/D22	D104C	2	TEMPERATURE CONTROL PANEL LOCATION
D104	D104C-D104-A15/A16	D104C	2	WIRELESS ACCESS POINT - CEILING MOUNTED
D104	D104C-D104-D5	D104C	1	SECURITY CAMERA LOCATION - CEILING MOUNTED
D104A	D104C-D104A-A17/A18	D104C	2	DATA LOCATION - FLUSH MOUNTED
D106	D104C-D106-A19	D104C	1	ENVIRONMENTAL MONITORING SENSOR LOCATION
D108	D104C-D108-A20/A21	D104C	2	DATA LOCATION - FLUSH MOUNTED
D109	D104C-D109-A22/A23	D104C	2	WIRELESS ACCESS POINT - CEILING MOUNTED
D110	D104C-D110-A24/A25	D104C	2	DATA LOCATION - FLUSH MOUNTED
D112	D104C-D112-A26	D104C	1	ENVIRONMENTAL MONITORING SENSOR LOCATION
D114	D104C-D114-A27/A28/A29/A30	D104C	4	DATA LOCATION - FLUSH MOUNTED
D115	D104C-D115-A31/A32	D104C	2	WIRELESS ACCESS POINT - CEILING MOUNTED
D115	D104C-D115-A33/A34	D104C	2	DATA LOCATION - FLUSH MOUNTED
D115	D104C-D115-A35/A36	D104C	2	DATA LOCATION - FLUSH MOUNTED
D115	D104C-D115-A37/A38	D104C	2	DATA LOCATION - FLUSH MOUNTED
D115	D104C-D115-A39/A40	D104C	2	DATA LOCATION - FLUSH MOUNTED
D115	D104C-D115-A41/A42	D104C	2	DATA LOCATION - FLUSH MOUNTED
D115	D104C-D115-A43/A44	D104C	2	DATA LOCATION - FLUSH MOUNTED
D115	D104C-D115-A45/A46	D104C	2	DATA LOCATION - FLUSH MOUNTED
D115	D104C-D115-A48/B1	D104C	2	MONITOR LOCATION - FLUSH MOUNTED
D115	D104C-D115-B2/B3	D104C	2	MONITOR LOCATION - FLUSH MOUNTED
D115	D104C-D115-B4/B5	D104C	2	MONITOR LOCATION - FLUSH MOUNTED
D115	D104C-D115-B6/B7	D104C	2	MONITOR LOCATION - FLUSH MOUNTED
D115	D104C-D115-B8/B9/B10/B11	D104C	4	DATA LOCATION - FLUSH MOUNTED
D115	D104C-D115-D6	D104C	1	SECURITY CAMERA LOCATION - CEILING MOUNTED
D115	D104C-D115-D7	D104C	1	SECURITY CAMERA LOCATION - CEILING MOUNTED
D116	D104C-D116-D8	D104C	1	SECURITY CAMERA LOCATION - CEILING MOUNTED
D117	D104C-D117-B12	D104C	1	ENVIRONMENTAL MONITORING SENSOR LOCATION
D118	D104C-D118-B13	D104C	1	ENVIRONMENTAL MONITORING SENSOR LOCATION
D120	D104C-D120-B14/B15	D104C	2	WIRELESS ACCESS POINT - CEILING MOUNTED
D121	D104C-D121-B16/B17	D104C	2	WIRELESS ACCESS POINT - CEILING MOUNTED
D121	D104C-D121-B18/B19	D104C	2	DATA LOCATION - FLUSH MOUNTED
D121	D104C-D121-B20/B21	D104C	2	MONITOR LOCATION - FLUSH MOUNTED
D121	D104C-D121-B22/B23	D104C	2	MONITOR LOCATION - FLUSH MOUNTED
D121	D104C-D121-B24/B25	D104C	2	MONITOR LOCATION - FLUSH MOUNTED
D121	D104C-D121-D9	D104C	1	SECURITY CAMERA LOCATION - CEILING MOUNTED
D200	D104C-D200-B26/B27	D104C	2	WIRELESS ACCESS POINT - CEILING MOUNTED
D200	D104C-D200-D10	D104C	1	SECURITY CAMERA LOCATION - CEILING MOUNTED
D200	D104C-D200-D11	D104C	1	SECURITY CAMERA LOCATION - CEILING MOUNTED
D201	D104C-D201-B28/B29	D104C	2	DATA LOCATION - FLUSH MOUNTED
D201	D104C-D201-B30/B31	D104C	2	MONITOR LOCATION - FLUSH MOUNTED
D203	D104C-D203-B21/B33	D104C	2	DATA LOCATION - FLUSH MOUNTED
D204	D104C-D204-B34/B35	D104C	2	DATA LOCATION - FLUSH MOUNTED
D205	D104C-D205-B36/B37	D104C	2	DATA LOCATION - FLUSH MOUNTED
D205	D104C-D205-B38/B39	D104C	2	MONITOR LOCATION - FLUSH MOUNTED
D206	D104C-D206-B40/B41	D104C	2	WIRELESS ACCESS POINT - CEILING MOUNTED
D206	D104C-D206-B42/B43	D104C	2	DATA LOCATION - FLUSH MOUNTED
D206	D104C-D206-B44/B45	D104C	2	INTERACTIVE MONITOR LOCATION - FLUSH MOUNTED
D206	D104C-D206-B46/B47	D104C	2	DATA LOCATION - FLUSH MOUNTED
D207	D104C-D207-B48/C1	D104C	2	WIRELESS ACCESS POINT - CEILING MOUNTED
D207	D104C-D207-C2/C3	D104C	2	DATA LOCATION - FLUSH MOUNTED
D207	D104C-D207-C4/C5	D104C	2	INTERACTIVE MONITOR LOCATION - FLUSH MOUNTED
D207	D104C-D207-C6/C7	D104C	2	DATA LOCATION - FLUSH MOUNTED
D208	D104C-D208-C8/C9	D104C	2	WIRELESS ACCESS POINT - CEILING MOUNTED
D208	D104C-D208-C10/C11	D104C	2	DATA LOCATION - FLUSH MOUNTED
D208	D104C-D208-C12/C13	D104C	2	INTERACTIVE MONITOR LOCATION - FLUSH MOUNTED
D208	D104C-D208-C14/C15	D104C	2	DATA LOCATION - FLUSH MOUNTED
D209	D104C-D209-C16/C17	D104C	2	WIRELESS ACCESS POINT - CEILING MOUNTED
D209	D104C-D209-C18/C19	D104C	2	DATA LOCATION - FLUSH MOUNTED
D209	D104C-D209-C20/C21	D104C	2	INTERACTIVE MONITOR LOCATION - FLUSH MOUNTED
D209	D104C-D209-C22/C23	D104C	2	DATA LOCATION - FLUSH MOUNTED
D210	D104C-D210-C24/C25	D104C	2	DATA LOCATION - FLUSH MOUNTED
D210	D104C-D210-C26/C27	D104C	2	WIRELESS ACCESS POINT - CEILING MOUNTED
D210	D104C-D210-C28/C29	D104C	2	INTERACTIVE MONITOR LOCATION - FLUSH MOUNTED
D210	D104C-D210-C30/C31	D104C	2	DATA LOCATION - FLUSH MOUNTED
D210A	D104C-D210A-D23/D24	D104C	2	TEMPERATURE CONTROL PANEL LOCATION
D211	D104C-D211-D12	D104C	1	SECURITY CAMERA LOCATION - CEILING MOUNTED
D212	D104C-D212-D13	D104C	1	SECURITY CAMERA LOCATION - CEILING MOUNTED
E100	D104C-E100-C32/C33	D104C	2	WIRELESS ACCESS POINT - CEILING MOUNTED
E100	D104C-E100-D14	D104C	1	SECURITY CAMERA LOCATION - WALL MOUNTED
EXTERIOR	D104C-EXT-D15	D104C	1	SECURITY CAMERA LOCATION - WALL MOUNTED
EXTERIOR	D104C-EXT-D16	D104C	1	SECURITY CAMERA LOCATION - WALL MOUNTED
EXTERIOR	D104C-EXT-D17	D104C	1	SECURITY CAMERA LOCATION - WALL MOUNTED
F100	D104C-F100-C34	D104C	1	VIDEO INTERCOM DOOR STATION LOCATION
F100	D104C-F100-D18	D104C	1	SECURITY CAMERA LOCATION - CEILING MOUNTED
F101	D104C-F101-C35/C36	D104C	2	WIRELESS ACCESS POINT - CEILING MOUNTED
F101	D104C-F101-D19	D104C	1	SECURITY CAMERA LOCATION - CEILING MOUNTED
F101	D104C-F101-D20	D104C	1	SECURITY CAMERA LOCATION - CEILING MOUNTED
Grand total			155	

ACCESS CONTROL SCHEDULE

DOOR NUMBER	PANEL LOCATION	LABEL	DOOR TYPE / DESCRIPTION
D100A	D104C	D100A-CR	EAC DOOR TYPE S3A
D100C	D104C	D100C-CR	EAC DOOR TYPE S3A
D115B	D104C	D100A-CR	EAC DOOR TYPE S3
F100C	D104C	F100C-CR	EAC DOOR TYPE D3BA
F100F	D104C	F100F-CR	EAC DOOR TYPE D3A
Grand total: 5			

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BICSI ID # 212863
EXPIRES 12-31-27
RCDD

Revisions		
Description	Date	Num

Comm: 260804037
Date: 09/25/2026
Drawn: TRY/HMB
Check: Checker

North

TECHNOLOGY/ SECURITY SCHEDULES

Scale:

T5.00

100% CD SET

E

Author: Tyler Yoder Revision Made: Bryan Matthew and Renovation Linton Electrical Addition and Renovation_TECH.rvt
9/25/2026 4:28:33 PM