EAST AURORA SCHOOL DISTRICT #131

EAHS MECHANICAL IMPROVEMENTS - PHASE III

CORDOGAN CLARK
ARCHITECTURE ▪ ENGINEERING ▪ CONSTRUCTION

500 TOMCAT LN.
AURORA, IL 60506

OWNER:

EAST AURORA SCHOOL DISTRICT #131

310 SEMINARY AVENUE
AURORA, IL 60505
(630) 299-5554

ARCHITECT:

CORDOGAN CLARK

515 REDWOOD DRIVE
AURORA, IL 60506
(630) 896-4678

STRUCTURAL ENGINEER:

CORDOGAN CLARK

515 REDWOOD DRIVE
AURORA, IL 60506
(630) 896-4678

MECHANICAL ENGINEER:

CORDOGAN CLARK

515 REDWOOD DRIVE
AURORA, IL 60506
(630) 896-4678

PLUMBING ENGINEER:

CORDOGAN CLARK

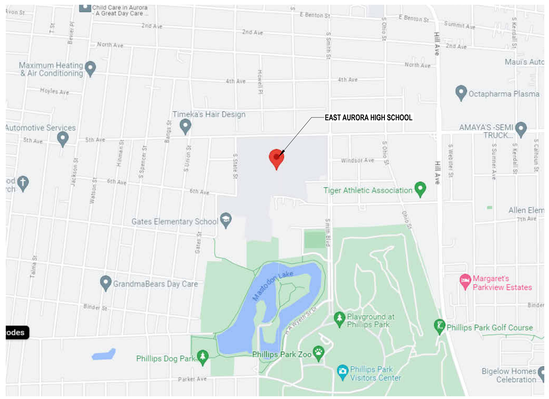
515 REDWOOD DRIVE
AURORA, IL 60506
(630) 896-4678

ELECTRICAL ENGINEER:

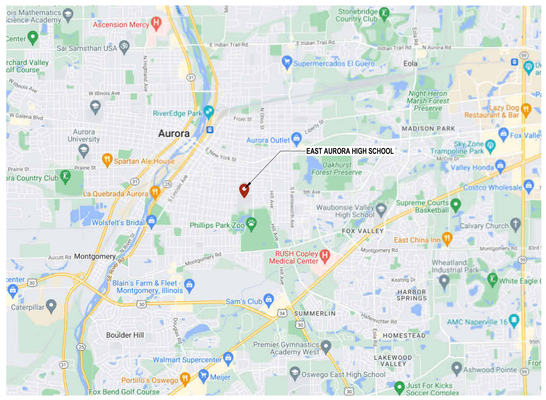
CORDOGAN CLARK

515 REDWOOD DRIVE
AURORA, IL 60506
(630) 896-4678

LOCATION MAP



VICINITY MAP



DRAWINGS

SHEET LIST

SHEET NUMBER	SHEET NAME
GENERAL	
G0.00	COVER SHEET
G1.00	GENERAL NOTES
T1.01	FIRE SAFETY PLANS - AREA A-2 & AREA B
T1.02	FIRE SAFETY PLANS - AREA C & AREA D
ARCHITECTURAL	
A0.11	SITE ACCESS PLAN
A2-A1.10	AREA A-2 - TUNNEL - DEMOLITION PLAN
A2-A1.11	AREA A-2 - FIRST FLOOR - DEMOLITION PLAN
A2-A1.12	AREA A-2 - SECOND FLOOR - DEMOLITION PLAN
A2-A1.50	AREA A-2 - INTERIOR ELEVATIONS - DEMOLITION
A2-A2.10	AREA A-2 - TUNNEL PLAN
A2-A2.11	AREA A-2 - FIRST FLOOR PLAN
A2-A2.12	AREA A-2 - SECOND FLOOR PLAN
A2-A2.50	AREA A-2 - INTERIOR ELEVATIONS
A2-A3.11	AREA A-2 - FIRST FLOOR - REFLECTED CEILING PLAN
A2-A3.12	AREA A-2 - SECOND FLOOR - REFLECTED CEILING PLAN
A2-A4.10	AREA A-2 - ROOF PLAN
A2-A5.10	AREA A-2 - EXTERIOR ELEVATIONS
A2-A6.10	AREA A-2 - BUILDING SECTIONS
B-A1.20	AREA B - TUNNEL - DEMOLITION PLAN
B-A1.21	AREA B - FIRST FLOOR - DEMOLITION PLAN
B-A1.22	AREA B - SECOND FLOOR - DEMOLITION PLAN
B-A1.51	AREA B - INTERIOR ELEVATIONS - DEMOLITION
B-A2.20	AREA B - TUNNEL PLAN
B-A2.21	AREA B - FIRST FLOOR PLAN
B-A2.22	AREA B - SECOND FLOOR PLAN
B-A2.51	AREA B - INTERIOR ELEVATIONS
B-A3.21	AREA B - FIRST FLOOR - REFLECTED CEILING PLAN
B-A3.22	AREA B - SECOND FLOOR - REFLECTED CEILING PLAN
B-A4.20	AREA B - ROOF PLAN
B-A5.20	AREA B - EXTERIOR ELEVATIONS
B-A6.20	AREA B - BUILDING SECTIONS
C-A1.30	AREA C - TUNNEL - DEMOLITION PLAN
C-A1.31	AREA C - FIRST FLOOR - DEMOLITION PLAN
C-A1.52	AREA C - INTERIOR ELEVATIONS - DEMOLITION
C-A2.30	AREA C - TUNNEL PLAN
C-A2.31	AREA C - FIRST FLOOR PLAN
C-A2.52	AREA C - INTERIOR ELEVATIONS
C-A3.31	AREA C - FIRST FLOOR - REFLECTED CEILING PLAN
C-A4.30	AREA C - ROOF PLAN
C-A5.30	AREA C - EXTERIOR ELEVATIONS
C-A6.30	AREA C - BUILDING SECTIONS
D-A1.40	AREA D - TUNNEL - DEMOLITION PLAN
D-A1.41	AREA D - FIRST FLOOR - DEMOLITION PLAN
D-A1.53	AREA D - INTERIOR ELEVATIONS - DEMOLITION
D-A2.40	AREA D - TUNNEL PLAN
D-A2.41	AREA D - FIRST FLOOR PLAN
D-A2.53	AREA D - INTERIOR ELEVATIONS
D-A3.41	AREA D - FIRST FLOOR - REFLECTED CEILING PLAN
D-A4.40	AREA D - ROOF PLAN
D-A5.40	AREA D - EXTERIOR ELEVATIONS
D-A6.40	AREA D - BUILDING SECTIONS
D-A7.10	DETAILS
R-4.00	ROOF PLANS - BASE BID
R-4.10	ROOF PLANS - ALTERNATES
R-4.11	ROOF PLANS - ALTERNATES
STRUCTURAL	
S1.1	GENERAL NOTES
S2.1	PARTIAL PLANS - AREAS B & C & A-2
S2.2	PARTIAL PLANS - AREA D
S3.1	FOUNDATION SECTIONS AND DETAILS
S4.1	FRAMING SECTIONS AND DETAILS
S4.2	FRAMING SECTIONS AND DETAILS

SHEET LIST

SHEET NUMBER	SHEET NAME
MECHANICAL	
A2-M1.0	TUNNEL MECHANICAL DEMOLITION PLAN - AREA A2
A2-M1.1	FIRST FLOOR MECHANICAL DEMOLITION PLAN - AREA A2
A2-M1.2	SECOND FLOOR MECHANICAL DEMOLITION PLAN - AREA A-2
A2-M2.0	TUNNEL MECHANICAL PLAN - AREA A2
A2-M2.1	FIRST FLOOR MECHANICAL PLAN - AREA A2
A2-M2.2	SECOND FLOOR MECHANICAL PLAN - AREA A2
B-M1.0	TUNNEL MECHANICAL DEMOLITION PLAN - AREA B
B-M1.1	FIRST FLOOR MECHANICAL DEMOLITION PLAN - AREA B
B-M1.2	BALCONY MECHANICAL DEMOLITION PLAN - AREA B
B-M1.3	MEZZANINE MECHANICAL DEMOLITION PLAN - AREA B
B-M2.0	TUNNEL MECHANICAL PLAN - AREA B
B-M2.1	FIRST FLOOR MECHANICAL PLAN - AREA B
B-M2.2	BALCONY MECHANICAL PLAN - AREA B
B-M2.3	MEZZANINE MECHANICAL PLAN - AREA B
B-M2.4	ENLARGED MEZZANINE MECHANICAL PLANS - AREA B
C-M1.0	TUNNEL MECHANICAL DEMOLITION PLAN - AREA C
C-M1.1	FIRST FLOOR MECHANICAL DEMOLITION PLAN - AREA C
C-M1.2	ROOF MECHANICAL DEMOLITION PLAN - AREA C
C-M2.0	TUNNEL MECHANICAL PLAN - AREA C
C-M2.1	FIRST FLOOR MECHANICAL PLAN - AREA C
C-M2.2	ROOF MECHANICAL PLAN - AREA C
D-M1.0	TUNNEL MECHANICAL DEMOLITION PLAN - AREA D
D-M1.1	FIRST FLOOR MECHANICAL DEMOLITION PLAN - AREA D
D-M1.2	ROOF MECHANICAL DEMOLITION PLAN - AREA D
D-M2.0	TUNNEL MECHANICAL PLAN - AREA D
D-M2.1	FIRST FLOOR MECHANICAL PLAN - AREA D
D-M2.2	ROOF MECHANICAL PLAN - AREA D
D-M2.3	BOILER ROOM MECHANICAL PLANS
G-M2.2	ROOF MECHANICAL PLANS - AREA G - ALTERNATE
I-M1.1	FIRST FLOOR MECHANICAL DEMOLITION PLAN - AREA I
I-M2.1	FIRST FLOOR MECHANICAL PLAN - AREA I
J-M1.1	FIRST FLOOR MECHANICAL DEMOLITION PLAN - AREA J
J-M2.1	FIRST FLOOR MECHANICAL PLAN - AREA J
M1.0	TUNNEL MECHANICAL DEMOLITION PLAN - OVERALL
M2.0	TUNNEL MECHANICAL PLAN - OVERALL
M4.0	MECHANICAL SCHEDULES
M4.1	MECHANICAL SCHEDULES
M4.2	MECHANICAL SCHEDULES
M4.3	MECHANICAL DETAILS
M4.4	MECHANICAL DETAILS
M4.5	TEMPERATURE CONTROL DETAILS
M4.6	TEMPERATURE CONTROL DETAILS
M4.7	TEMPERATURE CONTROL DETAILS
MP0.0	MECHANICAL TITLE SHEET

SHEET LIST

SHEET NUMBER	SHEET NAME
PLUMBING	
P2.0	PLUMBING PLANS
FIRE PROTECTION	
FP2.1	FIRE PROTECTION PLANS
ELECTRICAL	
A2-E0.1	FIRST FLOOR ELECTRICAL DEMOLITION PLAN
A2-E0.2	SECOND FLOOR ELECTRICAL DEMOLITION PLAN
A2-E2.1	FIRST FLOOR ELECTRICAL POWER PLAN
A2-E2.2	SECOND FLOOR ELECTRICAL POWER PLAN
B-E0.1	FIRST FLOOR ELECTRICAL DEMOLITION PLAN
B-E0.2	BALCONY ELECTRICAL DEMOLITION PLAN
B-E0.3	MEZZANINE ELECTRICAL DEMOLITION PLAN
B-E2.0	TUNNEL ELECTRICAL POWER PLAN
B-E2.1	FIRST FLOOR ELECTRICAL POWER PLAN
B-E2.2	BALCONY ELECTRICAL POWER PLAN
B-E2.3	MEZZANINE ELECTRICAL POWER PLAN
C-E0.1	FIRST FLOOR ELECTRICAL DEMOLITION PLAN
C-E0.2	ROOF ELECTRICAL DEMOLITION PLAN
C-E1.1	FIRST FLOOR ELECTRICAL LIGHTING PLAN
C-E2.1	FIRST FLOOR ELECTRICAL POWER PLAN
C-E2.2	ROOF ELECTRICAL POWER PLAN
D-E0.1	FIRST FLOOR ELECTRICAL DEMOLITION PLAN
D-E0.2	ROOF ELECTRICAL DEMOLITION PLAN
D-E2.1	FIRST FLOOR ELECTRICAL POWER PLAN
D-E2.2	BOILER ROOM ELECTRICAL POWER PLAN
D-E2.3	ROOF ELECTRICAL POWER PLAN
E000	GENERAL NOTES, LEGENDS AND DETAILS
E4.1	LIGHTING SCHEDULE, CONTROL AND DETAILS
E4.3	EQUIPMENT HOOKUP SCHEDULE, AND DETAILS
E4.3B	PANEL SCHEDULES
E5.0	OVERALL TUNNEL PLAN - POWER DISTRIBUTION
E5.1	OVERALL TUNNEL PLAN - LIGHTING PLAN
G-E2.1	ROOF ELECTRICAL POWER PLAN
I-E2.2	SECOND FLOOR ELECTRICAL POWER PLAN
J-E2.2	SECOND FLOOR ELECTRICAL POWER PLAN

10/1/2026 2:30:22 PM
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ISSUED FOR BID SET - 10.01.2026

PROJECT NO: 26-1012
DATE: 10.01.2026

STATEMENT OF COMPLIANCE

"I have prepared, or caused to be prepared under my direct supervision, the attached plans and specifications and state that, to the best of my knowledge and belief and to the extent of my contractual obligation, they are in compliance with the Environmental Barriers Act (410 ILCS 25) and the Illinois Accessibility Code (71 Ill. Adm. Code 400)."

☒ ILLINOIS DESIGN FIRM'S REGISTRATION NO.: 184.000 595-0007

Signed: _____

ILLINOIS REGISTRATION NO.: _____

DATE: XX.XX.XXXX

SEAL

"I hereby certify these drawings have been prepared under my direct supervision and to the best of my knowledge comply with all applicable codes of _____, IL"

ABBREVIATIONS:

ACP	ALUMINUM COMPOSITE PANEL	FA	FIRE ALARM	PCC	PRECAST CONCRETE
ACT	ACOUSTICAL CEILING TILE	FACP	FIRE ALARM CONTROL PANEL	PCF	POUNDS PER CUBIC FOOT
ADA	AMERICANS WITH DISABILITIES ACT	FD	FLOOR DRAIN	PERF	PERFORATED
		FE	FIRE EXTINGUISHER	PLAM	PLASTIC LAMINATE
ADJ	ADJUSTABLE	FEC	FIRE EXTINGUISHER CABINET	PLBG	PLUMBING
AFF	ABOVE FINISHED FLOOR	FIN	FINISH	PLYWD	PLYWOOD
AHJ	AUTHORITY HAVING JURISDICTION	FIXT	FIXTURE	PN	PANEL
		FLR	FLOOR	PR	PAIR
AHU	AIR HANDLING UNIT	FLUOR	FLUORESCENT	PSF	POUNDS PER SQUARE FOOT
ALT	ALTERNATE	FOC	FACE OF CONCRETE	PSI	POUNDS PER SQUARE INCH
ALUM	ALUMINUM	FOF	FACE OF FINISH	PT	PAINT
APPROX	APPROXIMATE	FP	FIREPROOF	PVC	POLYVINYL CHLORIDE (PVC)
ARCH	ARCHITECT	FT	FEET		ROOFING
BD	BOARD	FTG	FOOTING		
BOT	BOTTOM	FUT	FUTURE	QT	QUARRY TILE
BRG	BEARING	GALV	GALVANIZED	QTY	QUANTITY
BS	BOTH SIDES	GC	GENERAL CONTRACTOR	RB	RUBBER BASE
BSMT	BASEMENT	GL	GLASS	RCP	REFLECTED CEILING PLAN
BUR	BUILT-UP ROOFING	GYP	GYPSUM	RD	ROOF DRAIN
				REF	REFERENCE
CAB	CABINET	HB	HOSE BIBB	RH	RIGHT HAND
CFOI	CONTRACTOR-FURNISHED/OWNER-INSTALLED	HDW	HARDWARE	RM	ROOM
		HM	HOLLOW METAL	RO	ROUGH OPENING
		HORIZ	HORIZONTAL	RTU	ROOF TOP UNIT
CG	CORNER GUARD	HT	HEIGHT		
CIP	CAST-IN-PLACE			S	SOUTH
CJ	CONTROL JOINT	ID	INSIDE DIAMETER	SBS	STYRENE BUTADIENE STYRENE (SBS) MODIFIED BITUMINOUS PROTECTED MEMBRANE ROOFING
CL	CENTER LINE	INSUL	INSULATION		
CLG	CEILING	INT	INTERIOR		
CLO	CLOSET			SECT	SECTION
CLR	CLEAR	JAN	JANITOR	SF	SQUARE FOOT (FEET)
CMU	CONCRETE MASONRY UNIT			SGL	SINGLE
COL	COLUMN	LAB	LABORATORY	SHT	SHEET
CONC	CONCRETE	LAV	LAVATORY	SIM	SIMILAR
CORR	CORRIDOR	LH	LEFT HAND	SPEC	SPECIFICATION
CPT	CARPET	LT	LIGHT	SQ	SQUARE
CT	CERAMIC TILE	LVT	LUXURY VINYL TILE	STA	STATION
CTR	CENTER			STD	STANDARD
		MAX	MAXIMUM	STOR	STORAGE
dB	DECIBEL	MECH	MECHANICAL	SYS	SYSTEM
DBL	DOUBLE	MFG	MANUFACTURING		
DEMO	DEMOLITION	MFR	MANUFACTURER	T	TREAD
DF	DRINKING FOUNTAIN	MH	MANHOLE	T&G	TONGUE AND GROOVE
DIA	DIAMETER	MIN	MINIMUM	TEMP	TEMPORARY
DIM	DIMENSION	MISC	MISCELLANEOUS	TPO	THERMOPLASTIC POLYOLEFIN (TPO) ROOFING
DISP	DISPENSER	MO	MASONRY OPENING		
DR	DOOR	MTL	METAL	TV	TELEVISION
DS	DOWNSPOUT			TYP	TYPICAL
		N	NORTH		
E	EAST	NIC	NOT IN CONTRACT	UNO	UNLESS NOTED OTHERWISE
EA	EACH	NO	NUMBER		
EJ	EXPANSION JOINT	NOM	NOMINAL	VCT	VINYL COMPOSITION TILE
EL	ELEVATION	NRC	NOISE REDUCTION COEFFICIENT	VERT	VERTICAL
ELEC	ELECTRIC	NTS	NOT TO SCALE	VEST	VESTIBULE
ELEV	ELEVATOR			VIF	VERIFY IN FIELD
EP	EPOXY PAINT	OC	ON CENTER		
EPDM	EHYLENE PROPYLENE DIENE MONOMER (EPDM) ROOFING	OD	OUTSIDE DIAMETER	W	WEST
		OFCI	OWNER-FURNISHED / CONTRACTOR INSTALLED	WI	WITH
				W/O	WITHOUT
EQ	EQUAL	OFOI	OWNER-FURNISHED/OWNER-INSTALLED	WC	WATER CLOSET
EQUIP	EQUIPMENT			WD	WOOD
EWC	ELECTRIC WATER COOLER	OPP	OPPOSITE	WDW	WINDOW
EXH	EXHAUST			WF	WIDE FLANGE
EXP	EXPANSION			WM	WIRE MESH
EXT	EXTERIOR				

PROJECT INFORMATION

PROJECT ADDRESS:	500 TOMCAT LANE, AURORA, IL 60506
PROJECT DESCRIPTION:	WORK INCLUDES MECHANICAL AND ELECTRICAL SYSTEM UPGRADES AND ARCHITECTURAL RELATED IMPROVEMENTS AT EAST AURORA HIGH SCHOOL.
CODE REQUIREMENTS:	INTERNATIONAL CODE COUNCIL 2024 CODES: INTERNATIONAL BUILDING CODE INTERNATIONAL EXISTING BUILDING CODE INTERNATIONAL FIRE CODE INTERNATIONAL FUEL GAS CODE INTERNATIONAL MECHANICAL CODE INTERNATIONAL PROPERTY MAINTENANCE CODE NATIONAL ELECTRIC CODE 2023 ILLINOIS ENERGY CONSERVATION CODE 2024 ILLINOIS PLUMBING CODE 2014 ILLINOIS ACCESSIBILITY CODE 2018 ILLINOIS STATE BOARD OF EDUCATION REQUIREMENTS CITY OF AURORA ORDINANCES
TOTAL RENOVATION AREA:	115,800 GSF
OCCUPANCY:	EDUCATIONAL
CONSTRUCTION TYPE:	IIB
EXISTING SPRINKLER SYSTEM	EXISTING AUTOMATIC SPRINKLER SYSTEM FROM THIS AREA OF THE BUILDING TO BE EXTENDED INTO NEW VESTIBULE AS REQUIRED.

NOTES:

GENERAL CONDITIONS:

1. ALL CONTRACTORS SHALL BE RESPONSIBLE TO INSTALL ALL ITEMS SPECIFIED USING CONSTRUCTION THAT WILL PROTECT AT ALL TIMES, PROPERTY AND PREVENT BODILY INJURY AND OR DEATH. SPECIAL ATTENTION AND PRECAUTION SHALL BE PAID BY THE CONTRACTORS IN SELECTING THE SAFEST METHODS OR MEANS FOR THE INSTALLATION.
2. THE ARCHITECT/ ENGINEER HAS NO CONTRACTUAL DUTY TO CONTROL THE SAFEST METHODS OR MEANS OF THE WORK, JOB SITE RESPONSIBILITIES, SUPERVISION OR TO SUPERVISE SAFETY AND SHALL NOT VOLUNTARILY ASSUME ANY SUCH DUTY OR RESPONSIBILITY.
3. ALL WORK SHALL BE EXECUTED IN A WORKMAN LIKE MANNER AND IN STRICT ACCORDANCE WITH FEDERAL, STATE AND LOCAL CODES AND ORDINANCES AND ALL AUTHORITIES HAVING JURISDICTION AND ACCEPTED BY THE ARCHITECT AND LEFT IN PERFECT OPERATING CONDITION.
4. ALL CONTRACTORS SHALL VISIT THE SITE AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS PRIOR TO SUBMITTING THE FINAL BID. IF THERE ARE ANY DISCREPANCIES, NOTIFY THE ARCHITECT AT ONCE.
5. ALL CONTRACTORS SHALL CAREFULLY REVIEW THE DRAWINGS AND OTHER CONTRACT DOCUMENTS PRIOR TO SUBMITTING THE FINAL BID. IF THERE ARE ANY DISCREPANCIES, EACH CONTRACTOR SHALL NOTIFY THE ARCHITECT AT ONCE.
6. ALL WORK SHALL BE PERFORMED IN A WORKMAN LIKE MANNER. EACH CONTRACTOR SHALL INCLUDE LABOR, MATERIALS, TOOLS, EQUIPMENT, ETC., FOR THE COMPLETE CONSTRUCTION OF WORK INDICATED AND SPECIFIED BY THE DRAWINGS AND SPECIFICATION. MATERIALS AS SPECIFIED ON DRAWINGS SHALL BE USED. SUBSTITUTIONS OF MATERIALS WILL NOT BE ALLOWED WITHOUT THE WRITTEN CONSENT OF THE OWNER. CONTRACTOR SHALL AMEND AND MAKE GOOD AT THEIR OWN COST, ANY DEFECTS OR OTHER FAULTS IN THEIR WORKMANSHIP AND OR MATERIAL. CONTRACTOR IS TO CLEAN UP DEBRIS INSIDE AND OUTSIDE THE BUILDING SITE WHICH HAS BEEN CAUSED BY THEIR WORK.
7. NON-BEARING PARTITIONS ARE TO BE LAID OUT SO THAT STOCK COMPONENTS WILL FIT EXACTLY WITHIN INDICATED DIMENSIONS. THE GENERAL TRADES CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE PROCEEDING WITH WORK AND NOTIFY ARCHITECT AT ONCE OF ANY DISCREPANCIES PRIOR TO COMMENCING WORK.
8. PLUMBING SCHEMATIC DRAWINGS, HVAC DRAWINGS, SEWER MAINS, ELECTRICAL OUTLETS, SWITCHES, LIGHT LOCATIONS FOR ROUTING ALL PLUMBING, MECHANICAL AND ELECTRICAL WORK IS TO BE COORDINATED BETWEEN THE TRADES AFFECTED BY THE WORK AS PART OF THEIR INSTALLATION LAYOUT. NO PLUMBING, MECHANICAL OR ELECTRICAL INFORMATION IS TO BE SCALED FROM THE DRAWINGS. ON-SITE VERIFICATION OF ALL DIMENSIONS AND CONDITIONS SHALL BE THE RESPONSIBILITY OF EACH CONTRACTOR.
9. DO NOT SCALE DRAWINGS.

GENERAL CONSTRUCTION NOTES:

1. PROJECT COORDINATOR SHALL PROVIDE A LOGISTICS PLAN TO THE ARCHITECT AND OWNER FOR REVIEW AND APPROVAL PRIOR TO COMMENCING WORK. THE LOGISTICS PLAN IS TO INCLUDE ALL ROUTING OF VEHICLES, EQUIPMENT, DELIVERY LOCATIONS, FENCING, SECURITY MEASURES, ETC. ANY EXISTING CONDITIONS TO REMAIN THAT ARE DAMAGED DUE TO CONSTRUCTION ARE TO BE RESTORED TO THEIR ORIGINAL CONDITION. THIS INCLUDES, BUT IS NOT LIMITED TO, SIDEWALKS, LANDSCAPING, IRRIGATION, ROADS, PARKING LOTS, BUILDING CONSTRUCTION, ETC.
2. EACH CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS AT THE BUILDING SITE AND REPORT ANY DISCREPANCIES TO THE ARCHITECT IN WRITING PRIOR TO PROCEEDING WITH THE WORK. WRITTEN DIMENSIONS ON DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.
3. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR UNLOADING, STORING, INSPECTION FOR DAMAGE WHEN RECEIVED AND LOSS FROM SITE AND/ OR DAMAGE AFTER RECEIPT FOR ALL MATERIALS FURNISHED BY OWNER.
4. NO PRODUCT SUBSTITUTION WILL BE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE OWNER OR OWNER'S REPRESENTATIVE.
5. ALL WORK TO BE NEW EXCEPT WHERE INDICATED AS EXISTING.
6. EACH CONTRACTOR SHALL INSURE THAT ALL BUILDING WORK WILL COMPLY WITH APPLICABLE NATIONAL, STATE AND LOCAL CODES GOVERNING AUTHORITIES AND UNDERWRITER REGULATIONS.
7. ALL OPENINGS AND OTHER PROVISIONS NECESSARY FOR INSTALLATION OF ARCHITECTURAL, PLUMBING, MECHANICAL, FIRE PROTECTION, ELECTRICAL OR OWNER'S APPARATUS AND EQUIPMENT, MUST BE VERIFIED WITH THE SPECIFIC TRADES INVOLVED AND WITH OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION AND MUST BE OF SIZE, LOCATION, CONFIGURATION, ETC., REQUIRED.
8. ALL CONTRACTORS MUST EXERCISE EXTREME CARE SO AS NOT TO DAMAGE EXISTING CONSTRUCTION ITEMS AND SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK.
9. ALL NEW PARTITIONS WHICH ARE TO EXTEND TIGHT UP TO THE FLOOR OR ROOF CONSTRUCTION ABOVE, ARE TO BE CUT TO FIT AROUND BEAMS, JOISTS, DUCTS, CONDUITS, PIPES, HANGERS, ETC. ALL SUCH CUTS SHALL BE ACCURATE AND STRAIGHT AND BE SEALED WITH MORTAR OR TAPE AND COMPOUND AND MADE AIRTIGHT.
10. AT ALL LOCATIONS WHERE FLOOR SLAB IS TO BE CUT TO PROVIDE FOR NEW FLOOR POWER OR PLUMBING, SLAB IS TO BE REPAIRED FLUSH WITH AND TO MATCH EXISTING ADJACENT FLOOR SLAB CONSTRUCTION.

GENERAL DEMOLITION NOTES:

1. INTERFERENCE OF DEMOLITION
   A. ALL CONTRACTORS: IF THE DEMOLITION CANNOT PROCEED BECAUSE OF UNFORESEEN EXISTING STRUCTURAL OR MECHANICAL, ETC. CONDITIONS, THE CONTRACTOR SHALL IMMEDIATELY REPORT THE CONDITION TO THE ARCHITECT.
2. FIRE PROTECTION DURING DEMOLITION AND NEW CONSTRUCTION
   A. ALL CONTRACTORS: THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL FIRE PROTECTION MEASURES AND EQUIPMENT DURING DEMOLITION AND NEW CONSTRUCTION AT THE DIRECTION OF THE FIRE PREVENTION OFFICER AT THE FIRE PROTECTION DISTRICT OFFICE.
3. COORDINATION OF DEMOLITION
   A. ALL CONTRACTORS SHALL PROCEED WITH THE DEMOLITION IN A LOGICAL ORDER AND SHALL COORDINATE THE DEMOLITION WITH OTHER TRADES. EACH PHASE OF THE DEMOLITION SHALL BE PRECEDED BY INVESTIGATION OF THE AREA FOR REMOVAL, RELOCATION, DISCONNECTION OR REROUTING OF EXISTING ELEMENTS. PRIORITY OF DEMOLITION SHOULD BE:
      a. GENERAL TRADES CONTRACTOR: ARCHITECTURAL
      b. HEATING, A/C AND VENTILATION CONTRACTORS: MECHANICAL WORK
      c. FIRE PROTECTION CONTRACTOR: FIRE PROTECTION WORK
      d. ELECTRICAL CONTRACTOR: ELECTRICAL WORK
      e. PLUMBING CONTRACTOR: PLUMBING WORK

GENERAL DEMOLITION NOTES (CONTINUED):

4. SALVAGED ITEMS
   A. WHERE INDICATED ON THE DRAWINGS, "SALVAGE", ITEMS MUST BE CAREFULLY REMOVED, CLEANED AND STORED IN SUCH A WAY AS TO PREVENT DAMAGE. TRANSPORT AND STORE ITEMS OFF SITE OR WITHIN THE AREA OF WORK IN A LEGAL MANNER, UNLESS DIRECTED BY OWNER TO TRANSPORT SAID MATERIALS TO OWNER'S STORAGE AREA.
5. REMOVAL OF EXISTING DOORS AND FRAMES
   A. GENERAL TRADES CONTRACTOR: DOORS AND FRAMES THAT ARE TO BE REMOVED ARE INDICATED BY DASHED LINES ON THE DRAWINGS.
   B. GENERAL TRADES CONTRACTOR: ANY EXISTING DOORS & FRAMES TO BE REMOVED, TO ALLOW THE OPENING TO BE FILLED AS PER THE NEW CONSTRUCTION DRAWINGS, SHALL BE REMOVED WITH THE ENTIRE FRAME, ANCHORS AND SILLS.
6. EXISTING WALL OR PARTITION DEMOLITION
   A. GENERAL TRADES CONTRACTOR: WHEN REMOVING PORTIONS OR COMPLETE INTERIOR WALLS, INVESTIGATION MUST BE MADE TO DETERMINE IF THE WALL IS BEARING STRUCTURAL LOADS. IF IT IS DETERMINED THAT THE WALL IS BEARING, NOTIFY THE ARCHITECT BEFORE PROCEEDING WITH DEMOLITION. IF THE WALL IS NON-BEARING, PROCEED WITH DEMOLITION TAKING CARE THAT INTERACTING WALLS OR REMAINING WALLS ARE CUT CLEAN TO MINIMIZE FILLING AND PATCHING OF THE REMAINING PARTITION.
   B. GENERAL TRADES CONTRACTOR: IF THE REMOVAL OF AN INTERIOR PARTITION DISTURBS THE EXISTING CEILING THAT IS TO REMAIN, CARE MUST BE TAKEN TO REMOVE AS LITTLE OF THE CEILING AS POSSIBLE AND PROTECT THE ADJACENT CEILING FROM DAMAGE. (UNLESS NOTED OTHERWISE)
   C. GENERAL TRADES CONTRACTOR: IF THE PARTITION DEMOLITION INVOLVES DEMOLITION OF THE FLOORING IN THE AREA, CARE IS TO BE TAKEN TO MINIMIZE DAMAGE TO THE EXISTING FLOORING.
   D. ELECTRICAL CONTRACTOR: INVESTIGATE ALL EXISTING WIRING IN THE AREAS OF DEMOLITION TO DETERMINE WHICH CIRCUITS CAN BE ABANDONED, AND IF ANY CIRCUITS MUST BE MAINTAINED TO SUPPLY OTHER AREAS. REMOVE ALL WIRING AND CONDUITS BE ABANDONED. RELOCATE ALL CIRCUITS TO BE MAINTAINED OR CLEAR NEW CONSTRUCTION.
   E. ALL CONTRACTORS: ALL FINISHES SHALL BE PATCHED TO MATCH FROM IMPLEMENTATION OF WORK.
7. PARTIAL REMOVAL OF EXISTING WALLS OR PARTITIONS
   A. GENERAL TRADES CONTRACTOR: WHEN REMOVING PART OF A MASONRY WALL OR PARTITION TO ALLOW FOR THE INSTALLATION OF A NEW DOOR, CUTTING OF THE NEW MASONRY OPENING SHOULD BE ACCOMPLISHED IN A MANNER THAT RESULTS IN AS SMOOTH AN OPENING AS POSSIBLE.
   B. GENERAL TRADES CONTRACTOR: PROVIDE TEMPORARY SHORING, BRACING AND OTHER SUPPORT NECESSARY TO PREVENT MOVEMENT, SETTLEMENT, COLLAPSE OR OTHER DAMAGE TO THE STRUCTURE OR ADJACENT WALLS.
8. DEMOLITION OF MECHANICAL/ PLUMBING/ ELECTRICAL SYSTEMS
   A. IT WILL BE THE ASSOCIATED CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE CONDITION OF ALL REMAINING PIPING, CONDUIT, EQUIPMENT, ETC. WITHIN THEIR SCOPE OF WORK DURING DEMOLITION.
   B. ALL CONTRACTORS: NOTIFY OWNER PRIOR TO ANY DEMOLITION OF UTILITIES OR SERVICES WHICH MAY AFFECT REMAINING OCCUPIED AREAS.
   C. ALL CONTRACTORS: MAKE NECESSARY MODIFICATIONS AND ADJUSTMENTS TO ALL MECHANICAL, PLUMBING, AND ELECTRICAL ITEMS AND EQUIPMENT, BOTH NEW AND EXISTING, AS MAY BE REQUIRED BY THESE ALTERATIONS AND ADDITIONS.
   D. PLUMBING CONTRACTOR: CAP ALL PLUMBING ABANDONED DURING DEMOLITION EITHER BELOW FINISH FLOOR LEVEL, ABOVE CEILING OR BEHIND FINISH WALL SURFACE. REROUTE PLUMBING THAT IS TO REMAIN IN SERVICE, AS REQUIRED, TO CLEAR NEW CONSTRUCTION.
   E. HEATING & A/C, VENTILATION, ELECTRICAL, PLUMBING, AND FIRE PROTECTION CONTRACTORS: DISCONNECT AT SOURCE AND REMOVE EXISTING ELECTRICAL MATERIALS AND EQUIPMENT AND ALL OTHER MECHANICAL/PLUMBING ITEMS WHICH ARE RENDERED OBSOLETE BY THESE ALTERATIONS AND ADDITIONS. THESE ARE THE PROPERTY OF THE OWNER AND SHALL EITHER BE REMOVED FROM THE SITE OR RETURNED TO THE OWNER'S STOCK AT THE DISCRETION OF THE OWNER.
   F. HEATING & A/C AND VENTILATION CONTRACTORS: DISCONNECT, REMOVE AND RELOCATE EXISTING MECHANICAL MATERIALS AND EQUIPMENT, AND ALL OTHER MECHANICAL ITEMS WHICH INTERFERE OR ARE INTERFERED WITH, OBSTRUCT OR ARE OBSTRUCTED BY THESE LOCATIONS AS DIRECTED. RECONNECT SUCH ITEMS IN PROPER OPERATING CONDITION AT NEW LOCATIONS.
   G. ALL CONTRACTORS: ALL CUTTING AND PATCHING AS REQUIRED FOR WORK IS TO BE INCLUDED IN ASSOCIATED SCOPE OF WORK. FINISH WORK SHALL BE BY FINISHING CONTRACTOR BUT UNDER THE GENERAL CONTRACTORS CONTRACT.
9. GENERAL ALL CONTRACTORS
   A. ALL CONTRACTORS ARE RESPONSIBLE TO VISIT THE SITE TO DETERMINE THE EXTENT OF DEMOLITION AND PATCHING AS REQUIRED TO INSTALL THEIR PORTION OF WORK.
   B. REFER TO ALL DRAWINGS FOR FULL EXTENT OF DEMOLITION WORK. GENERAL TRADES CONTRACTOR TO INSURE ALL WALL OR FLOOR MOUNTED OBJECTS TO BE REMOVED AND EXISTING TO BE PREPARED FOR NEW FINISHES.
   C. ALL CONTRACTORS SHALL VISIT AND INSPECT THE EXISTING BUILDING AND SHALL THOROUGHLY FAMILIARIZE THEMSELVES WITH ACTUAL JOB CONDITIONS BEFORE SIGNING CONTRACTS. NO EXTRAS WILL BE ALLOWED FOR WORK WHICH MIGHT HAVE BEEN REASONABLY FORESEEN BY AN INSPECTION OF THESE PREMISES.
   D. WHILE THE SIZE AND LOCATION OF NEW WORK AND EQUIPMENT IN THE EXISTING BUILDING HAS BEEN INDICATED ON THE DRAWINGS AS ACCURATELY AS POSSIBLE, ALL PRIME CONTRACTORS SHALL ADJUST THEIR WORK AS REQUIRED TO AVOID EXISTING DUCTS, PIPES, CONDUITS AND BEAMS NOT SHOWN ON PLANS. ALL CONTRACTORS SHALL ADAPT THEIR WORK TO MEET ALL ACTUAL CONDITIONS ON THE EXISTING PREMISES.
   E. ALL CONTRACTORS SHALL INSPECT THE PREMISES AND MAKE A DETAILED EXAMINATION OF ALL LOCATIONS WHERE NEW WORK IS TO BE INSTALLED AND SHALL EXAMINE EXISTING PIPING, CONDUITS, STRUCTURAL SUPPORTING BEAMS, ETC.
   F. ALL CONTRACTORS AFTER INSPECTING THE PREMISES AND THE DRAWINGS SHALL CALL TO THE ATTENTION OF THE ARCHITECT ANY LACK OF ANY NECESSARY SPACE OR CLEARANCE REQUIRED BY THE VARIOUS EQUIPMENT BEFORE CONTRACT IS SIGNED. ALL CONTRACTORS SHALL BE RESPONSIBLE FOR ALL CHANGES NECESSARY IF THEY NEGLECT TO DO SO.
   G. ALL CONTRACTORS ARE TO PROVIDE TEMPORARY MEANS TO KEEP EXISTING BUILDING WEATHER TIGHT DURING DEMOLITION AND CONSTRUCTION.
   H. IF ASBESTOS OR HAZARDOUS MATERIALS ARE FOUND AT THE SITE, CONTACT THE OWNER AND ARCHITECT IMMEDIATELY.
   I. IN ALL AREAS THAT REQUIRE DEMOLITION TO PERFORM THE WORK, WHETHER PERMANENT OR TEMPORARY, THE CONTRACTOR WILL BE RESPONSIBLE FOR PHOTO DOCUMENTATION TO SUPPORT ANY NEW WORK THAT MAY BE REQUIRED TO RESTORE THE AFFECTED SPACES TO A FINISHED QUALITY. THIS INCLUDES WORK THAT MAY NOT HAVE BEEN IDENTIFIED IN THE DOCUMENTS. **NO CHANGES TO THE CONTRACT SUM WILL BE CONSIDERED WITHOUT PHOTO DOCUMENTATION TO SUPPORT THE INITIAL CONDITIONS OF THE SPACE.**
   J. BUILDINGS CONSTRUCTED ON OR BEFORE 1978 MAY CONTAIN LEAD-BASED PAINT. NO TESTING FOR LEAD OR LEAD BASED PAINT WILL BE PERFORMED ASSOCIATED WITH THIS PROJECT. NO KNOWN LEAD BASE PAINT IS PRESENT ON THE PAINTED STAIR COMPONENETS ASSOCIATED WITH THIS PROJECT. IT IS THE RESPONSIBILITY OF EACH CONTRACTOR TO MAINTAIN COMPLIANCE AND SAFETY IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS RELATED TO LEAD EXPOSURES TO BUILDING OCCUPANTS, VISITORS, CONTRACTORS, AND WORKERS. ALL CONTRACTORS PERFORMING WORK WITHIN EAST AURORA SCHOOL DISTRICT 131 SCHOOLS CONSTRUCATED ON OR BEFORE 1978 SHALL BE **CERTIFIED BY EPA'S RENOVATION REPAIR AND PAINTING REGULATIONS** AND FOLLOW LEAD SAFE WORK PRACTICES DURING THEIR WORK.

GENERAL REQUIREMENTS:

1. FLOOR PROTECTION:

   PROTECT ALL FLOORS COMPLETE THROUGHOUT THE PROJECT WHERE WORK IS SCHEDULED TO OCCUR ABOVE. EXISTING FLOORING IS TO BE REPLACED, IN-KIND, BY THE CONTRACTOR RESPONSIBLE FOR ANY DAMAGE CAUSED.

   A. WHERE WORK REQUIRES THE USE OF HEAVY EQUIPMENT, MOTORIZED LIFTS, SCAFFOLDING, ETC., PROVIDE 1/2" THICK PLYWOOD SHEETS WITH 6 MIL (MIN.) POLYETHYLENE SHEETING CONTINUOUS BENEATH (TAPE SEAMS) PAINT THE EDGES OF ALL PLYWOOD END CONDITIONS WITH HIGH CONTRAST PAINT IN ALL TRAFFIC AREAS TO AVOID POTENTIAL FOR TRIPPING.

SYMBOLS LEGEND:

- A2.1A — SHEET NUMBER (SUB-DRAWING OR ENLARGED AREA / DRAWING OR FLOOR / SERIES / DISCIPLINE)
- Room name / 101 — ROOM NAME (TOP) / ROOM NUMBER (BOTTOM)
- 1 / A101 — INTERIOR ELEVATION / ELEVATION No. (OUTSIDE), SHEET No. (CENTER)
- 1 / A101 SIM — DETAIL REFERENCE / DETAIL No. (TOP), SHEET No. (BOTTOM)
- 1 / A101 SIM — SECTION REFERENCE / SECTION No. (TOP), SHEET No. (BOTTOM)
- 1 / A101 SIM — WALL SECTION REFERENCE / SECTION No. (TOP), SHEET No. (BOTTOM)
- 0 — BUILDING COLUMN GRID LINE
- C1 — KEYED DEMOLITION NOTE (SEE PLAN SHEET)
- A102 — DOOR TAG
- 1 — WINDOW TAG
- SF03 — CURTAIN WALL TAG
- A2 — PARTITION TYPE
- SPOT ELEVATION - Target Filled (Relative)
- SPOT ELEVATION - Crosshair (Project)
- REVISION CLOUD AND TAG
- NORTH ARROW
- PLAN / ELEVATION / DETAIL / SECTION TITLE
- X' - X" — DIMENSION STRING
- 1 HOUR FIRE RESISTIVE RATED
- 2 HOUR FIRE RESISTIVE RATED
- 1 HOUR FIRE RATED SMOKE BARRIER
- 2 HOUR FIRE RATED SMOKE BARRIER
- SMOKE BARRIER

CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

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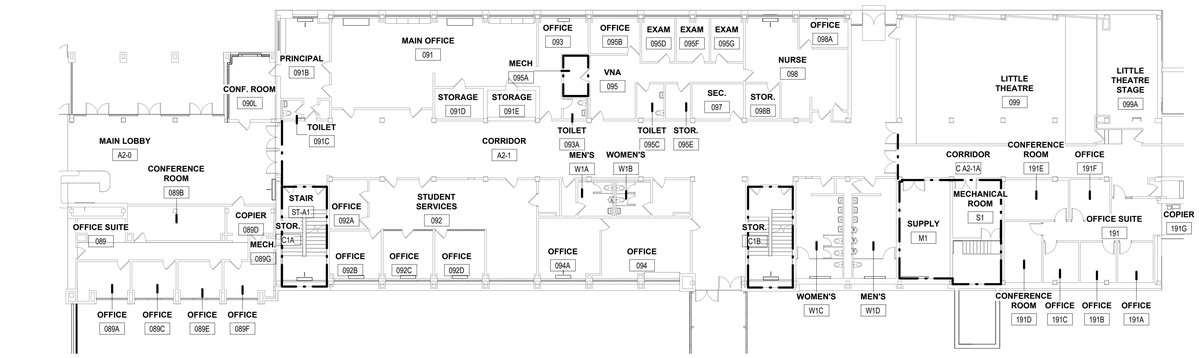
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DRAWING TITLE: GENERAL NOTES

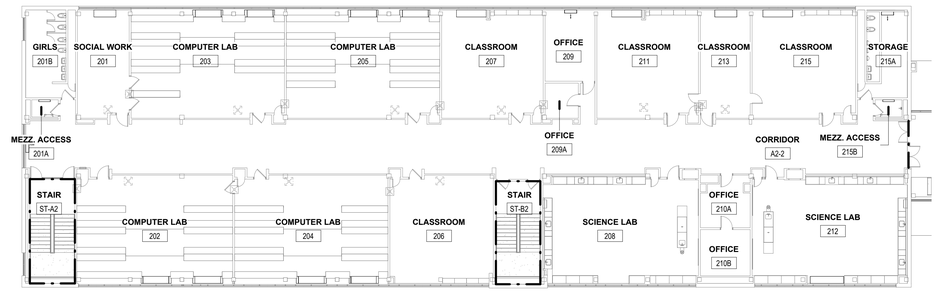
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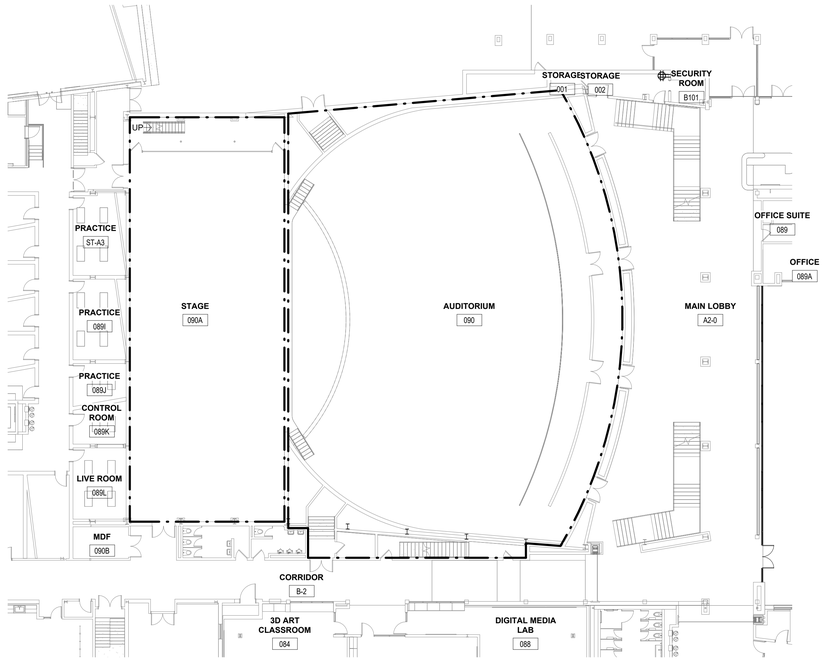
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NORTH 1 AREA A-2 - FIRST FLOOR - FIRE SAFETY PLAN
1/16" = 1'-0"



NORTH 2 AREA A-2 - SECOND FLOOR - FIRE SAFETY PLAN
1/16" = 1'-0"



NORTH 3 AREA B - FIRST FLOOR - FIRE SAFETY PLAN
1/16" = 1'-0"

SYMBOL LEGEND

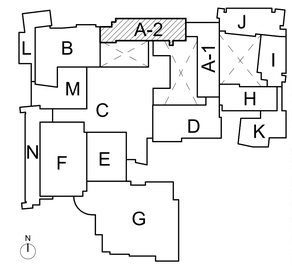
1 HOUR RATED FIRE WALL

2 HOUR RATED FIRE WALL

GENERAL FIRE NOTES:

1. ALL PENETRATIONS WITHIN FIRE RATED WALLS ARE TO BE SEALED WITH FIRE CAULKING TO MAINTAIN THE DESIGNATED RATING.
2. ALL EXISTING OPENINGS WITHIN RATED WALLS, CEILINGS, ROOFS OR FLOORS ARE TO BE PATCHED TO COMPLY WITH THE DESIGNATED RATING.
3. ANY OPENINGS EXCEEDING ACCEPTABLE U.L. LISTED CAULKING REQUIREMENTS SHALL BE INFILLED WITH SIMILAR MATERIALS TO THE ADJACENT CONSTRUCTION AND SHALL MEET OR EXCEED THE WALL RATING REQUIREMENTS. INFILLED CONDITION IS TO BE PAINTED (WHERE APPLICABLE) TO MATCH ADJACENT CONDITION. WHERE FORMER OPENINGS ARE CONCEALED WITH A FINISHED CEILING, A U.L. LISTED GYPSUM ASSEMBLY MATCHING THE REQUIRED RATING (MINIMUM 1-HOUR) WILL BE ACCEPTABLE.
4. WHERE NO FIRE RATINGS ARE INDICATED ON THE PLANS, ASSUME A MINIMUM 1- HOUR RATING AT ALL WALLS, CEILINGS & FLOOR PENETRATIONS. INFILL/PATCHING IS TO MATCH ADJACENT CONSTRUCTION UNLESS NOTED OTHERWISE.
5. ALL PARTITIONS, FLOORS AND CEILINGS BETWEEN CLASSROOMS AND CORRIDORS REQUIRE A MINIMUM 1-HOUR RATING. INFILL/PATCHING IS REQUIRED TO MATCH ADJACENT CONSTRUCTION UNLESS NOTED OTHERWISE.

KEY PLAN



CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

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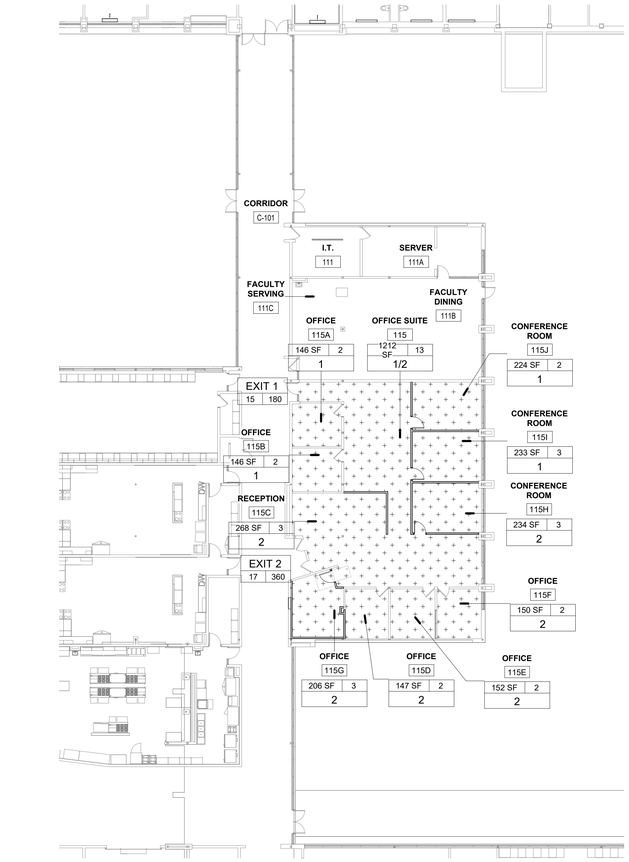
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FIRE SAFETY PLANS - AREA A-2 & AREA B

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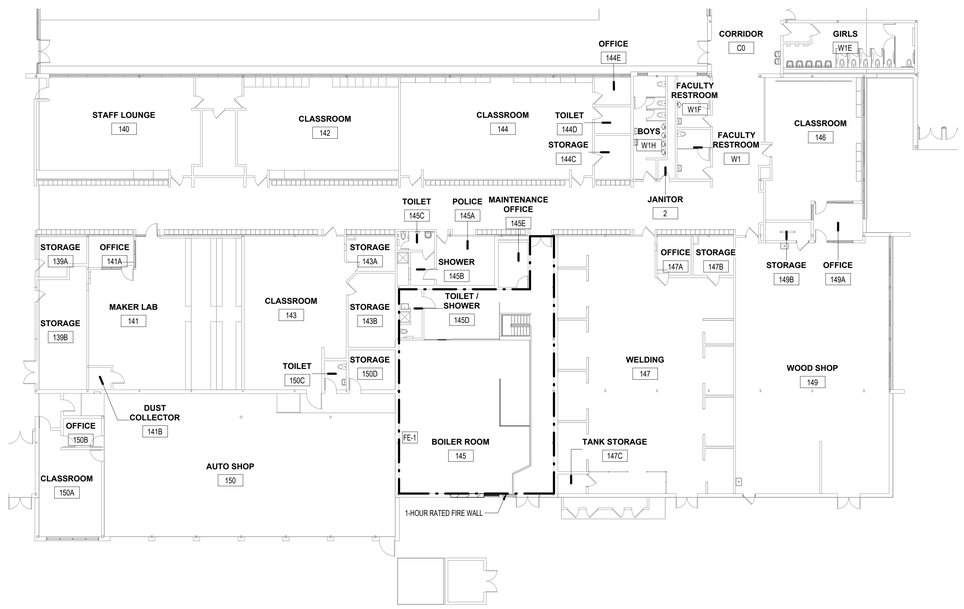
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NORTH

1 AREA C - FIRST FLOOR - FIRE SAFETY PLAN

1/16" = 1'-0"



NORTH

2 AREA D - FIRST FLOOR - FIRE SAFETY PLAN

1/16" = 1'-0"

SYMBOL LEGEND

1 HOUR RATED FIRE WALL

2 HOUR RATED FIRE WALL

GENERAL FIRE NOTES:

1. ALL PENETRATIONS WITHIN FIRE RATED WALLS ARE TO BE SEALED WITH FIRE CAULKING TO MAINTAIN THE DESIGNATED RATING.
2. ALL EXISTING OPENINGS WITHIN RATED WALLS, CEILINGS, ROOFS OR FLOORS ARE TO BE PATCHED TO COMPLY WITH THE DESIGNATED RATING.
3. ANY OPENINGS EXCEEDING ACCEPTABLE U.L. LISTED CAULKING REQUIREMENTS SHALL BE INFILLED WITH SIMILAR MATERIALS TO THE ADJACENT CONSTRUCTION AND SHALL MEET OR EXCEED THE WALL RATING REQUIREMENTS. INFILLED CONDITION IS TO BE PAINTED (WHERE APPLICABLE) TO MATCH ADJACENT CONDITION. WHERE FORMER OPENINGS ARE CONCEALED WITH A FINISHED CEILING, A U.L. LISTED GYPSUM ASSEMBLY MATCHING THE REQUIRED RATING (MINIMUM 1-HOUR) WILL BE ACCEPTABLE.
4. WHERE NO FIRE RATINGS ARE INDICATED ON THE PLANS, ASSUME A MINIMUM 1- HOUR RATING AT ALL WALLS, CEILINGS & FLOOR PENETRATIONS. INFILL/PATCHING IS TO MATCH ADJACENT CONSTRUCTION UNLESS NOTED OTHERWISE.
5. ALL PARTITIONS, FLOORS AND CEILINGS BETWEEN CLASSROOMS AND CORRIDORS REQUIRE A MINIMUM 1-HOUR RATING. INFILL/PATCHING IS REQUIRED TO MATCH ADJACENT CONSTRUCTION UNLESS NOTED OTHERWISE.

OCCUPANCY LEGEND

SYMBOL	CODE REQUIREMENT
	ASSEMBLY - UNCONCENTRATED 15 N.S.F. PER PERSON
	BUSINESS 100 G.S.F. PER PERSON
	EDUCATIONAL - CLASSROOM 20 N.S.F. PER PERSON
	CONCOURSE 100 G.S.F. PER PERSON
	STORAGE / MECHANICAL / EQUIPMENT 300 G.S.F. PER PERSON
	USE GROUP xxx N.S.F. PER PERSON

SYMBOL LEGEND

2 HOUR RATED FIRE WALL

XXX — EGRESS TRAVEL DISTANCES IN FEET

EXIT # / ACT. MAX — EXIT NUMBER; MAXIMUM CAPACITY TO EXIT; ACTUAL NUMBER OF OCCUPANTS EXITING

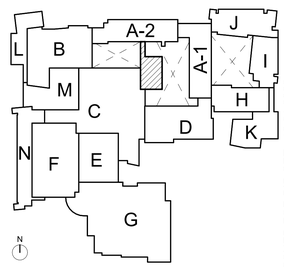
Room name / 101 — ROOM NAME & NUMBER

150 SF / # Occ — TOTAL NUMBER OF OCCUPANTS

EXIT # — AREA IN SQUARE FEET; EXIT NUMBER TO EXIT FROM SPACE

FE-1	NEW WALL-MOUNTED FIRE EXTINGUISHER AND BRACKET (BY OWNER)
FEC-1	NEW SEMI-RECESSED FIRE EXTINGUISHER CABINET (BY GENERAL PRIME) WITH FIRE EXTINGUISHER (BY OWNER)
FEC-2	NEW RECESSED FIRE EXTINGUISHER CABINET (BY GENERAL PRIME) WITH FIRE EXTINGUISHER (BY OWNER)
FEC-3	NEW SURFACE-MOUNTED FIRE EXTINGUISHER CABINET (BY GENERAL PRIME) WITH FIRE EXTINGUISHER (BY OWNER)
FEC-4	EXISTING FIRE EXTINGUISHER CABINET WITH FIRE EXTINGUISHER (BY OWNER)

KEY PLAN



CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

EAST AURORA SCHOOL DISTRICT #131
EAHS MECHANICAL IMPROVEMENTS - PHASE III

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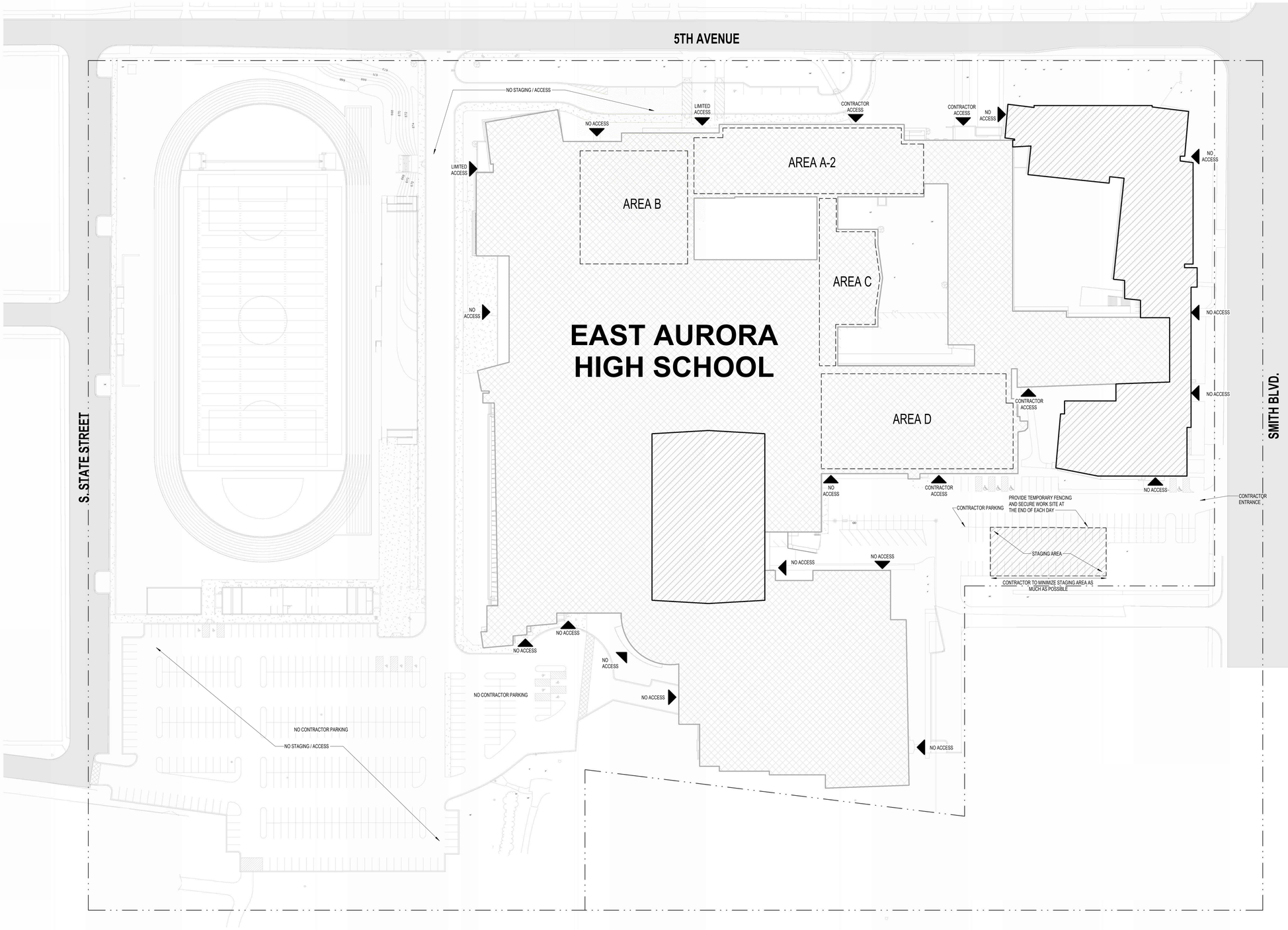
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FIRE SAFETY PLANS - AREA C & AREA D

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NORTH

1 SITE PLAN
1" = 50'-0"

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GENERAL SITE NOTES

1. CONTRACTOR TO COORDINATE ALL STAGING AREAS WITH CONSTRUCTION MANAGER PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING SITE CONDITIONS, INCLUDING BUT NOT LIMITED TO; TURF, LANDSCAPING, SIDEWALKS, STAIRS, & PAVED AREAS THAT ARE UTILIZED FOR CONSTRUCTION ACCESS. IN ADDITION ALL BUILDING ELEMENTS INCLUDING BUT LIMITED TO; CAMERAS, LIGHTING, SIGNAGE, MASONRY, ETC ARE TO BE PROTECTED. ANY DAMAGES CAUSED BY CONSTRUCTION ARE TO BE REPAIRED, IN KIND BY THE CONTRACTOR RESPONSIBLE.
3. PROVIDE LOCKING TEMPORARY FENCING AROUND STAGING AREAS, SECURE AT THE END OF EACH WORKING DAY. PROTECT ALL HARD/SOFTSCAPES USED FOR STAGING
4. ELEVATOR ACCESS WILL BE LIMITED. ALL USE TO BE COORDINATED WITH CONSTRUCTION MANAGER PRIOR. ALL CAR PROTECTION TO BE INCLUDED IN BID, VERIFY CAR CAPACITY PRIOR TO USE, TYP.
5. CONTRACTOR TO COORDINATE ALL NECESSARY UTILITY UPGRADES WITH UTILITY COMPANY PRIOR TO COMMENCEMENT OF WORK. ASSOCIATED WORK INCLUDING BUT NOT LIMITED TO UNDERGROUND CONDUITS, GAS LINES, AND ASSOCIATED RESTORATION WORK ETC IS PART OF THIS BID.
6. UTILITY LINES (SEWER, SANITARY, GAS, ELECTRIC) HAVE BEEN SHOWN FOR REFERENCE ONLY. CONTRACTOR TO VERIFY EXACT LOCATIONS PRIOR TO BEGINNING ANY SITE WORK.
7. WHERE THE WORK REQUIRES THE USE OF FIXED SCAFFOLDING ON PERIMETER OF BUILDING, CONTRACTOR WILL BE RESPONSIBLE FOR SECURING THE WORK AREAS COMPLETE WITH TEMPORARY FREE-STANDING CONSTRUCTION FENCING THROUGH THE DURATION OF WORK TO ENSURE THE SAFETY OF WORKERS AND PUBLIC. ALL POWERED LIFTS SHOULD BE LOCKED AND PARKED IN THE DESIGNATED SECURED FENCED-IN STAGING AREAS AT THE END OF EACH WORKING DAY.
8. WHERE THE WORK REQUIRES OPEN HOLES, TRENCHES, AND ANY OTHER POTENTIAL FALL HAZARDS, CONTRACTOR WILL BE REQUIRED TO IMMEDIATELY SECURE THE HAZARD WITH 1" PLYWOOD SPANNING THE ENTIRE OPENING WITH "HOLE" PLAINLY MARKED IN ORANGE PAINT ACROSS IT. WHERE THE HAZARD CANNOT BE BACKFILLED ON THE SAME DAY, THE CONTRACTOR WILL BE REQUIRED TO SECURE THE WORK AREA COMPLETE WITH TEMPORARY FREE-STANDING CONSTRUCTION FENCING THROUGH THE DURATION OF THE WORK TO ENSURE THE SAFETY OF WORKERS AND PUBLIC.
9. WHERE TURF RESTORATION IS REQUIRED; REGRADE AND PROVIDE 4" TOPSOIL, HYDRO-SEED AND BLANKET TO ACHIEVE SOD QUALITY DENSITY.
10. WHERE CONCRETE WALK/SLAB RESTORATION IS REQUIRED, SAWCUT AND REMOVE EXISTING SLAB IN ITS ENTIRETY. COMPACT SOILS AND PROVIDE 10" COMPACTED C-6 BASE COURSE, 5" (MIN. MATCH EXISTING) CONCRETE SLAB W/ #6 WELDED WIRE REINFORCEMENT. INCLUDED ISOLATION JOINT BETWEEN NEW AND OLD CONDITIONS.
11. WHERE ASPHALT RESTORATION IS REQUIRED; SAWCUT AND REMOVE EXISTING PAVEMENT AND BASE COURSE IN ITS ENTIRETY. COMPACT SOILS AND PROVIDE 10" COMPACTED C-6 BASE COURSE, 2 1/2" BINDER COURSE, AND 1 1/2" HOT MIX ASPHALT SURFACE COURSE. ALL PAVEMENT TO PROVIDE POSITIVE DRAINAGE.

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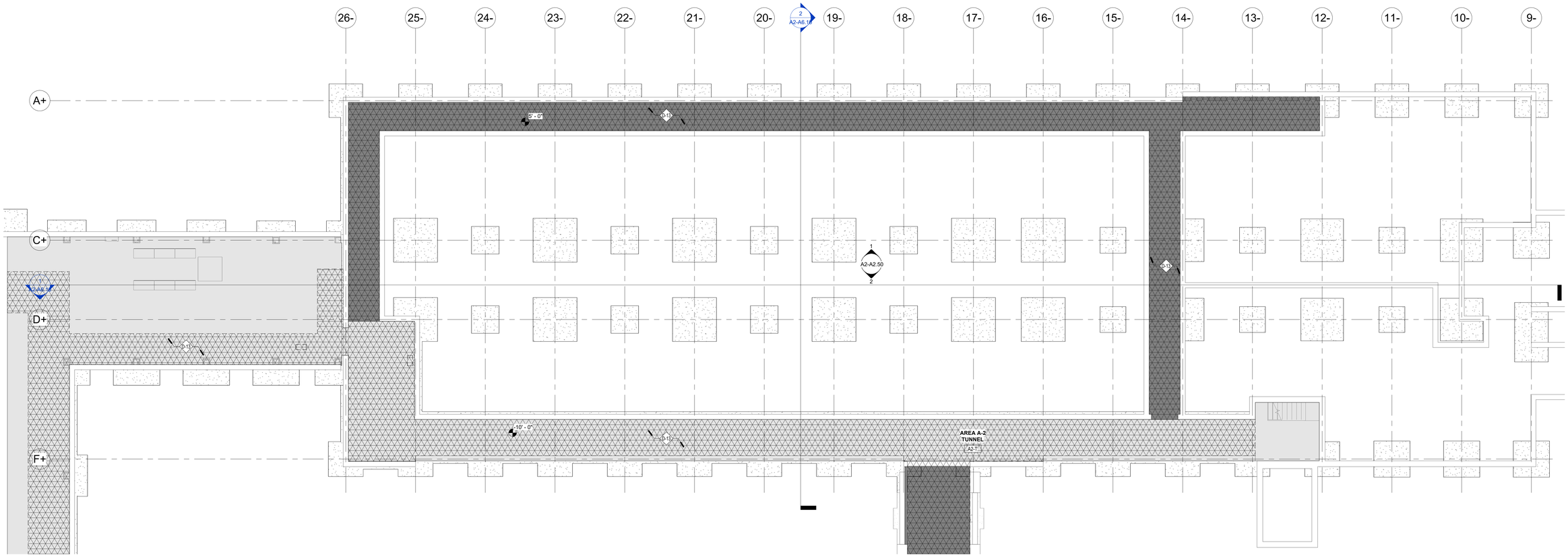
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#	Description	Date

DRAWING TITLE:
SITE ACCESS PLAN

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A0.11



NORTH 1 AREA A-2 - TUNNEL - DEMOLITION PLAN
1/8" = 1'-0"

DEMOLITION KEYNOTES - AREA A-1

D-#

1. REMOVE EXISTING UNIT VENTILATOR IN ITS ENTIRETY. PIPES, CONDUITS, AND OTHER UTILITIES SHALL BE REMOVED. ANY MECHANICAL LOUVERS PAIRED TO A UNIT VENTILATOR ARE ALSO TO BE REMOVED. MASONRY OPENING FROM LOUVER REMOVAL IS TO BE MODIFIED. THE FLOOR, WALLS, AND CEILING AFFECTED BY ITS DEMOLITION SHALL BE PATCHED AND REBUILT TO MATCH THE SURROUNDING CONSTRUCTION. ADJACENT CASEWORK IS TO BE REMOVED WHERE APPLICABLE. PREP AREA FOR NEW WORK. BE ADVISED THAT A HANDFUL OF UNIT VENTILATORS ARE MOUNTED INTO STEPPED PLATFORMS. PLATFORMS ARE TO REMAIN. CONTRACTOR IS TO WORK AROUND THESE PLATFORMS TO COMPLETE MECHANICAL WORK. NOTE: IN AREAS WHERE UNIT VENTILATORS ARE TO BE REPLACED WITH FAN COILS, THE MASONRY OPENING FROM THE MECHANICAL LOUVER IS TO BE PATCHED AND REPAIRED TO MATCH THE SURROUNDING CONDITIONS.
2. REMOVE PORTIONS OF PIPE CHASES OR MASONRY WALLS TO ACCESS STEAM AND CONDENSATE PIPING AS IMPACTED BY MECHANICAL PIPING WORK. PIPE CHASES ARE TO BE PATCHED AND REPAIRED ONCE MECHANICAL PIPING WORK IS COMPLETED. REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION.
3. REMOVE PORTIONS OF CASEWORK TO THE DASHED EXTENTS SHOWN AS IMPACTED BY MECHANICAL FIN TUBE REMOVAL WORK. PREP AREA FOR NEW WORK. REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION. NOTE: IN AREAS WHERE FIN TUBES ARE TO BE ABANDONED IN PLACE CASEWORK IS TO REMAIN. PIPING FOR FIN TUBE IS TO BE CAPPED BELOW THE FLOOR. SEE MECHANICAL DRAWINGS.
4. EXISTING CABINET UNIT HEATER HOUSING TO BE DEMOLISHED. SURROUNDING MASONRY TO BE DEMOLISHED AS REQUIRED IN PREPARATION FOR WALL TO RECEIVE A NEW LARGER UNIT.
5. EXISTING CABINET UNIT HEATER HOUSING TO BE DEMOLISHED. MASONRY OPENING LEFT FROM UNIT IS TO BE REPAIRED AND PATCHED TO MATCH THE SURROUNDING CONDITIONS.
6. REMOVE PORTIONS OF PLUMBING WALL AS IMPACTED BY MECHANICAL PIPING WORK. PLUMBING WALL IS TO BE PATCHED AND REPAIRED TO MATCH SURROUNDING CONSTRUCTION ONCE PIPING WORK IS COMPLETED.
7. EXISTING CABINET UNIT HEATER HOUSING TO BE DEMOLISHED. SURROUNDING MASONRY AND WALL TILE TO BE MODIFIED TO RECEIVE NEW WALL MOUNTED RADIANT PANEL.
8. REMOVE EXISTING FIN TUBE IN ITS ENTIRETY, PIPES, CONDUITS, AND OTHER UTILITIES SHALL BE REMOVED. FLOOR, WALLS, CEILINGS AFFECTED BY ITS DEMOLITION SHALL BE PATCHED AND REBUILT TO MATCH THE SURROUNDING CONSTRUCTION.
9. EXISTING CABINET UNIT HEATER TO BE ABANDONED IN PLACE. STEAM PIPING AND CONTROLS TO BE DISCONNECTED AND REMOVED. THE METAL GRATE BELOW THE PLAQUE IS TO REMAIN.
10. REMOVE WINDOW AIR CONDITIONING UNITS MOUNTED IN EXISTING INSULATED METAL PANEL. REMOVE EXISTING DEHUMIDIFIERS. REPLACE INSULATED METAL PANEL WITH INSULATED GLASS PANEL IN WINDOW FRAME OPENING TO MATCH EXISTING. RETURN UNITS REQUESTED BY THE DISTRICT TO THE DISTRICT AND PREP FRAME FOR NEW CONDITION. NOTE: ALL WINDOW A/C UNITS, WHETHER SHOWN OR NOT, ARE INTENDED TO BE REMOVED BY CONTRACTOR. REFER TO EXTERIOR ELEVATIONS.
11. REMOVE EXISTING LOUVER WITH THE ASSOCIATED PLENUM BOX IN ITS ENTIRETY. REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION.
12. WALL IS TO RECEIVE NEW UNIT VENTILATOR. NEW WALL OPENING WILL BE REQUIRED TIED TO THE OPERATION OF THE UNIT VENTILATOR. DEMOLISH PORTION OF MASONRY WALL TO ALLOW FOR THE INSTALLATION OF A NEW MECHANICAL LOUVER. SEE EXTERIOR ELEVATION AND MECHANICAL DRAWINGS FOR MORE INFORMATION.
13. REMOVE EXISTING STEAM AND CONDENSATE PIPING INCLUDING ALL ASSOCIATED TRAPS, HANGERS, AND SUPPORTS IN THEIR ENTIRETY WITHIN THE HATCHED REGION (TRIANGLE PATTERN) SHOWN. THE TUNNEL LEGEND DENOTES AREAS OF THE TUNNELS THAT ARE CRAWL SPACES AND WALKABLE SPACES, FOR REFERENCE ONLY. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.

GENERAL NOTES

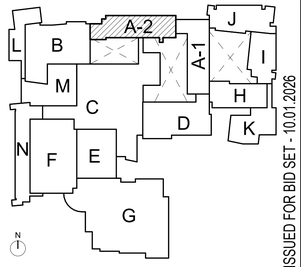
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11. ALL PENETRATIONS THROUGH WALLS, FLOORS, CEILINGS ARE TO BE FIRE CAULKED. ALL FIRESTOPPING/CAULKING IS TO BE COMPLETED PRIOR TO THE INSTALLATION OF NEW CEILINGS.

TUNNEL LEGEND

CRAWL SPACE

WALKABLE SPACE

KEY PLAN



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CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

EAST AURORA SCHOOL DISTRICT #131
EAHS MECHANICAL IMPROVEMENTS - PHASE III
500 TOMCAT LN.
AURORA, IL 60506

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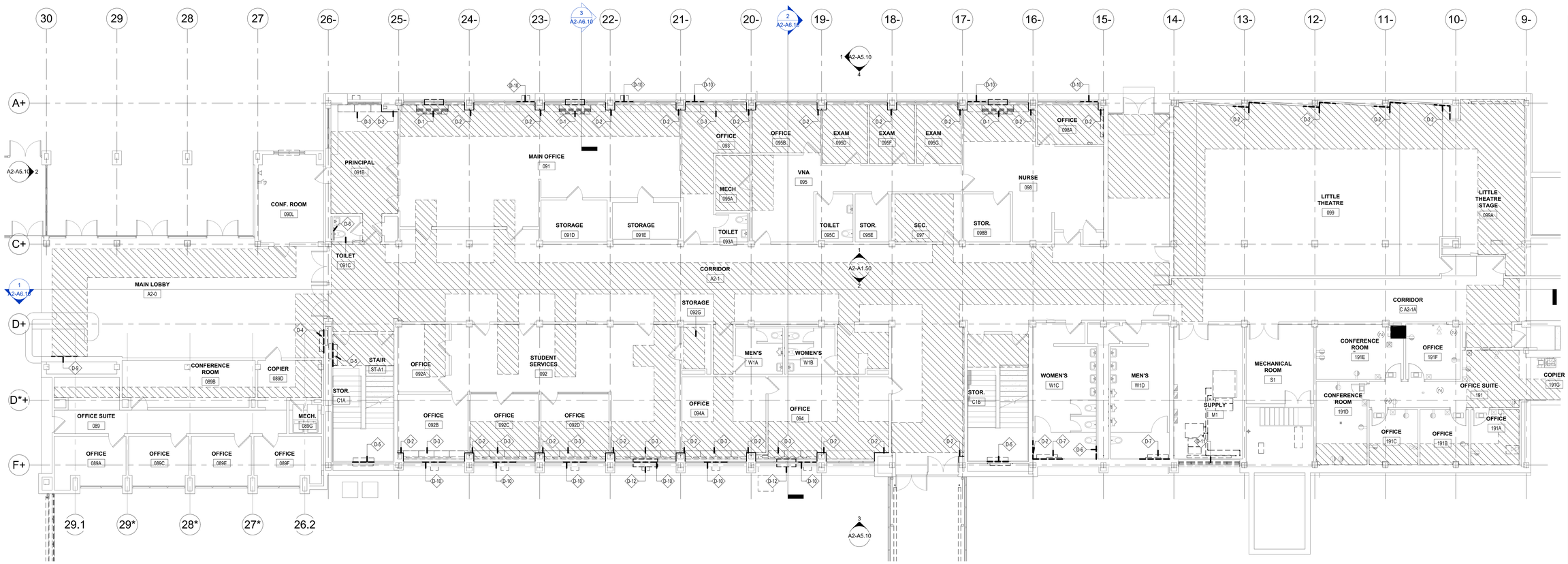
DATE 10.01.2026

REVISIONS:

#	Description	Date

DRAWING TITLE:
AREA A-2 - TUNNEL - DEMOLITION PLAN

A2-A1.10



NORTH 1 AREA A-2 - FIRST FLOOR - DEMOLITION PLAN
1/8" = 1'-0"

DEMOLITION KEYNOTES - AREA A-1

D-#

1. REMOVE EXISTING UNIT VENTILATOR IN ITS ENTIRETY. PIPES, CONDUITS, AND OTHER UTILITIES SHALL BE REMOVED. ANY MECHANICAL LOUVERS PAIRED TO A UNIT VENTILATOR ARE ALSO TO BE REMOVED. MASONRY OPENING FROM LOUVER REMOVAL IS TO BE MODIFIED. THE FLOOR, WALLS, AND CEILING AFFECTED BY ITS DEMOLITION SHALL BE PATCHED AND REBUILT TO MATCH THE SURROUNDING CONSTRUCTION. ADJACENT CASEWORK IS TO BE REMOVED WHERE APPLICABLE. PREP AREA FOR NEW WORK. BE ADVISED THAT A HANDFUL OF UNIT VENTILATORS ARE MOUNTED INTO STEPPED PLATFORMS. PLATFORMS ARE TO REMAIN. CONTRACTOR IS TO WORK AROUND THESE PLATFORMS TO COMPLETE MECHANICAL WORK. NOTE: IN AREAS WHERE UNIT VENTILATORS ARE TO BE REPLACED WITH FAN COILS. THE MASONRY OPENING FROM THE MECHANICAL LOUVER IS TO BE PATCHED AND REPAIRED TO MATCH THE SURROUNDING CONDITIONS.
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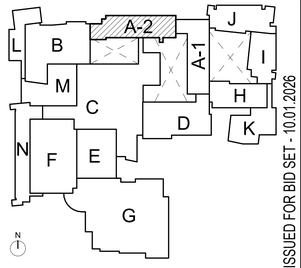
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FLOOR PLAN LEGEND - CEILING REMOVAL

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KEY PLAN



ISSUED FOR BID SET - 10.01.2026

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CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

EAST AURORA SCHOOL DISTRICT #131
EAHS MECHANICAL IMPROVEMENTS - PHASE III
500 TOMCAT LN.
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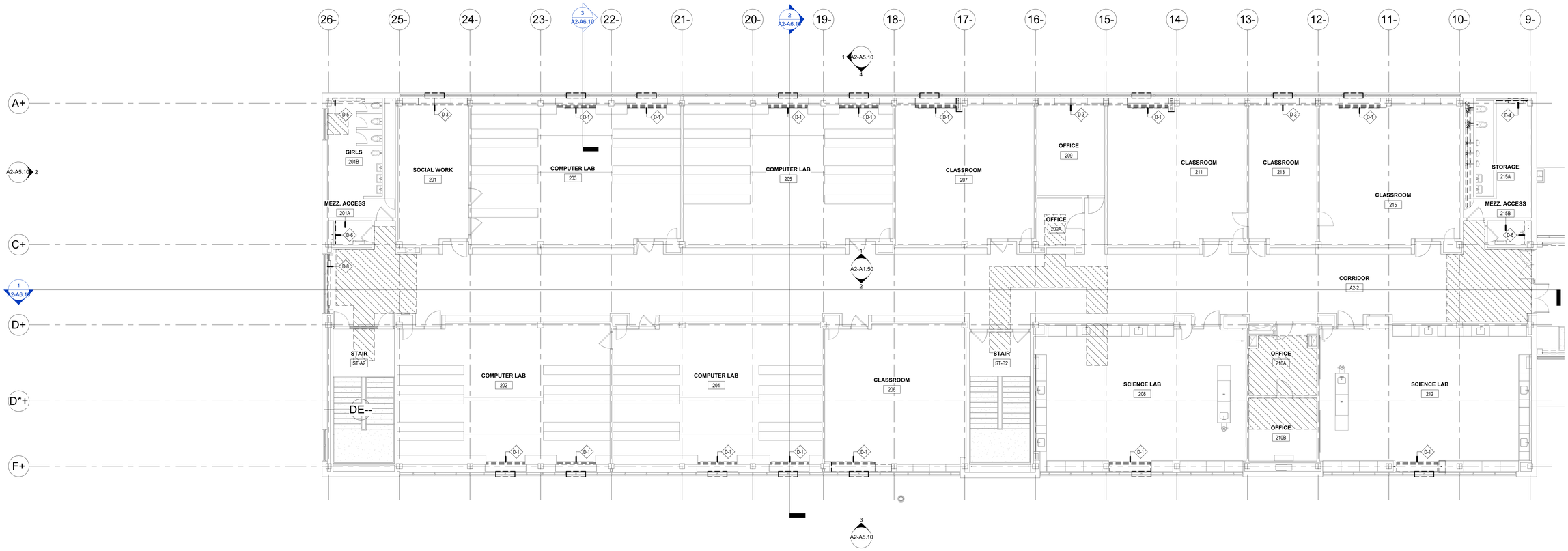
DATE 10.01.2026

REVISIONS:

#	Description	Date

DRAWING TITLE:
AREA A-2 - FIRST FLOOR - DEMOLITION PLAN

A2-A1.11



NORTH 1 AREA A-2 - SECOND FLOOR - DEMOLITION PLAN
1/8" = 1'-0"

DEMOLITION KEYNOTES - AREA A-1

D-2

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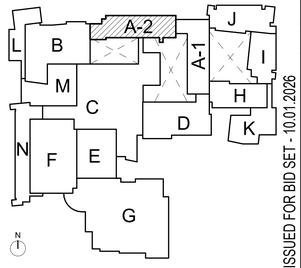
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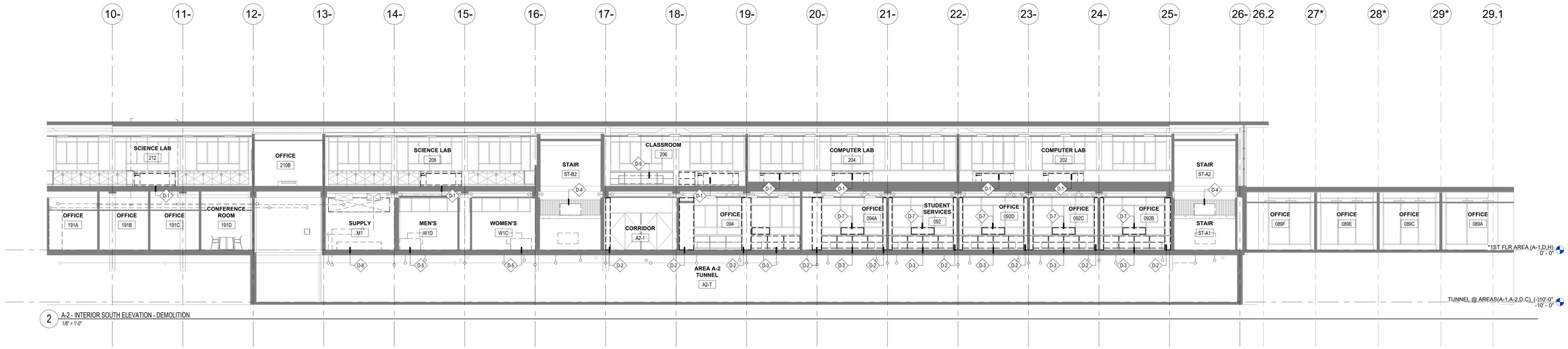
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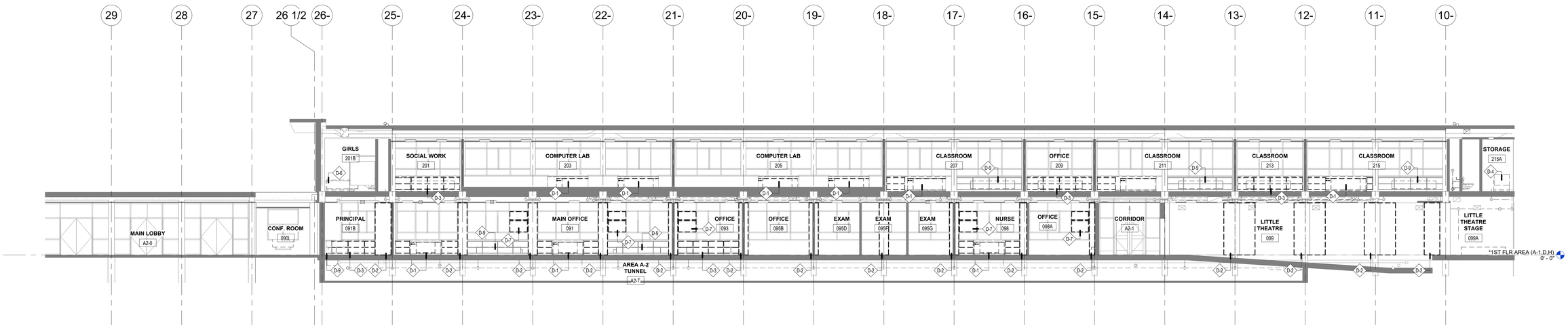
DRAWING TITLE:
AREA A-2 - SECOND FLOOR - DEMOLITION PLAN

A2-A1.12

10/1/2026 2:31:14 PM



2 A-2 - INTERIOR SOUTH ELEVATION - DEMOLITION
1/8" = 1'-0"



1 AREA A-2 - INTERIOR NORTH ELEVATION - DEMOLITION
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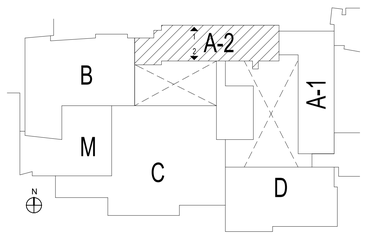
DEMOLITION KEYNOTES - AREA A-2 INTERIOR ELEVATIONS

1. REMOVE EXISTING UNIT VENTILATOR IN ITS ENTIRETY. PIPES, CONDUITS, AND OTHER UTILITIES SHALL BE REMOVED. ANY MECHANICAL LOUVERS PAIRED TO A UNIT VENTILATOR ARE ALSO TO BE REMOVED. MASONRY OPENING FROM LOUVER REMOVAL IS TO BE MODIFIED. THE FLOOR, WALLS, AND CEILING AFFECTED BY ITS DEMOLITION SHALL BE PATCHED AND REBUILT TO MATCH THE SURROUNDING CONSTRUCTION. ADJACENT CASEWORK IS TO BE REMOVED WHERE APPLICABLE. PREP AREA FOR NEW WORK. BE ADVISED THAT A HANDFUL OF UNIT VENTILATORS ARE MOUNTED INTO STEPPED PLATFORMS. PLATFORMS ARE TO REMAIN. CONTRACTOR IS TO WORK AROUND THESE PLATFORMS TO COMPLETE MECHANICAL WORK.
2. REMOVE PORTIONS OF PIPE CHASES OR MASONRY WALLS TO ACCESS STEAM AND CONDENSATE PIPING AS IMPACTED BY MECHANICAL PIPING WORK. PIPE CHASES ARE TO BE PATCHED AND REPAIRED ONCE MECHANICAL PIPING WORK IS COMPLETED. SEE INTERIOR ELEVATIONS AND MECHANICAL DRAWINGS FOR MORE INFORMATION.
3. REMOVE PORTIONS OF CASEWORK TO THE DASHED EXTENTS SHOWN AS IMPACTED BY MECHANICAL FIN TUBE REMOVAL WORK. PREP AREA FOR NEW WORK. REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION.
4. EXISTING CABINET UNIT HEATER HOUSING TO BE DEMOLISHED. SURROUNDING MASONRY TO BE DEMOLISHED AS REQUIRED IN PREPARATION FOR WALL TO RECEIVE A NEW LARGER UNIT.
5. EXISTING CABINET UNIT HEATER HOUSING TO BE DEMOLISHED. SURROUNDING MASONRY AND WALL TILE TO BE MODIFIED TO RECEIVE NEW WALL MOUNTED RADIANT PANEL.
6. EXISTING CABINET UNIT HEATER HOUSING TO BE DEMOLISHED. MASONRY OPENING LEFT FROM UNIT IS TO BE REPAIRED AND PATCHED TO MATCH THE SURROUNDING CONDITIONS.
7. REMOVE WINDOW AIR CONDITIONING UNIT MOUNTED IN EXISTING INSULATED METAL PANEL. REPLACE INSULATED METAL PANEL WITH INSULATED GLASS PANEL TO THE DASHED EXTENTS SHOWN IN WINDOW FRAME OPENING TO MATCH EXISTING. SEE EXTERIOR ELEVATIONS. RETURN UNITS REQUESTED BY THE DISTRICT TO THE DISTRICT. DISPOSE OF ANY UNITS NOT REQUESTED BY DISTRICT AND PREP FRAME FOR NEW CONDITION. NOTE: ALL WINDOW A/C UNITS, WHETHER SHOWN OR NOT, ARE INTENDED TO BE REMOVED BY CONTRACTOR.
8. REFER TO MECHANICAL DRAWINGS FOR THE EXTENT OF MECHANICAL DEMOLITION WORK, INCLUDING BUT NOT LIMITED TO REMOVAL OF EXISTING AIR HANDLING UNIT, LOUVER WITH ASSOCIATED PLENUM BOX, FIN TUBES, AND ALL ASSOCIATED DUCTWORK AND PIPING IN THEIR ENTIRETY.
9. FIN TUBE LOCATION SHOWN FOR REFERENCE ONLY. NOTE: IN AREAS WHERE FIN TUBES ARE TO BE ABANDONED IN PLACE CASEWORK IS TO REMAIN. PIPING FOR FIN TUBE IS TO BE CAPPED BELOW THE FLOOR. SEE MECHANICAL DRAWINGS.

GENERAL NOTES

1. REFER TO DRAWING G1.00 FOR FULL GENERAL DEMOLITION NOTES.
2. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR FULL MECHANICAL, PLUMBING, AND ELECTRICAL DEMOLITION SCOPE OF WORK.
3. IN AREAS WHERE EXISTING WALLS, PARTITIONS, ETC. ARE TO BE REMOVED, IT SHALL BE NECESSARY TO REPAIR EXISTING CEILINGS, ADJUST AND RELOCATE OR REWIRE LIGHTING FIXTURES, AND REMOVE OR RELOCATE ELECTRICAL AND MECHANICAL COMPONENTS AS REQUIRED OR DIRECTED. DEMOLITION AREAS SHOWN ON PLAN ARE REPRESENTATIONAL ONLY AND SHOULD NOT BE CONSIDERED ALL ENCOMPASSING. CONTRACTOR WILL BE RESPONSIBLE FOR ALL REMOVAL AND REPLACEMENT OF ADJACENT CONSTRUCTION NECESSARY TO COMPLETE THE WORK.
4. WASH AND CLEAN ALL EXISTING INTERIOR HVAC GRILLES AND DIFFUSERS WHICH ARE TO REMAIN (CEILING AND WALL-MOUNTED, AND FREESTANDING AT EXPOSED CONSTRUCTION).
5. EXISTING WALLS, FLOORS, AND CEILINGS WHICH ARE DAMAGED AND ARE TO REMAIN SHALL BE PATCHED AND REBUILT AS REQUIRED TO MATCH SURROUNDING CONSTRUCTION, AT NO ADDITIONAL COST TO THE OWNER.
6. ACTIVE PIPES, CONDUITS, AND OTHER UTILITIES OF ALL TYPES, WHETHER SHOWN IN THE CONSTRUCTION DOCUMENTS OR NOT, MUST BE PROTECTED AT ALL TIMES DURING THE CONSTRUCTION OF THE WORK. EXTREME CARE SHALL BE EXERCISED AT ALL TIMES NOT TO DAMAGE ANY SUCH PIPES AND CONDUITS. WHERE DAMAGE OCCURS, CONTRACTOR CAUSING THE DAMAGE SHALL REPAIR SUCH DAMAGE IN A MANNER APPROVED BY THE ARCHITECT AND OWNER, AND AT NO CHANGE IN THE CONTRACT PRICES OF CONTRACTOR.
7. IN AREAS WHERE EXISTING DOORS, WINDOWS, ETC. ARE REQUIRED TO BE REMOVED TO DISPOSE OF EXISTING MECHANICAL SYSTEM, CONTRACTORS MUST REINSTALL, REPAIR, OR REBUILD CONDITION TO MATCH SURROUNDING CONSTRUCTION OR BETTER, AT NO ADDITIONAL COST TO THE OWNER.
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10. PROTECT ALL FLOORS THROUGHOUT THE PROJECT PER THE GENERAL NOTES ON G1.00. ANY DAMAGE TO EXISTING FLOORS MUST BE REPLACED, IN KIND, AT THE EXPENSE OF THE CONTRACTOR CAUSING THE DAMAGE.
11. ALL PENETRATIONS THROUGH WALLS, FLOORS, CEILINGS ARE TO BE FIRE CAULKED. ALL FIRESTOPPING/CAULKING IS TO BE COMPLETED PRIOR TO THE INSTALLATION OF NEW CEILINGS.

KEY PLAN



CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

EAST AURORA SCHOOL DISTRICT #131
EAHS MECHANICAL IMPROVEMENTS - PHASE III
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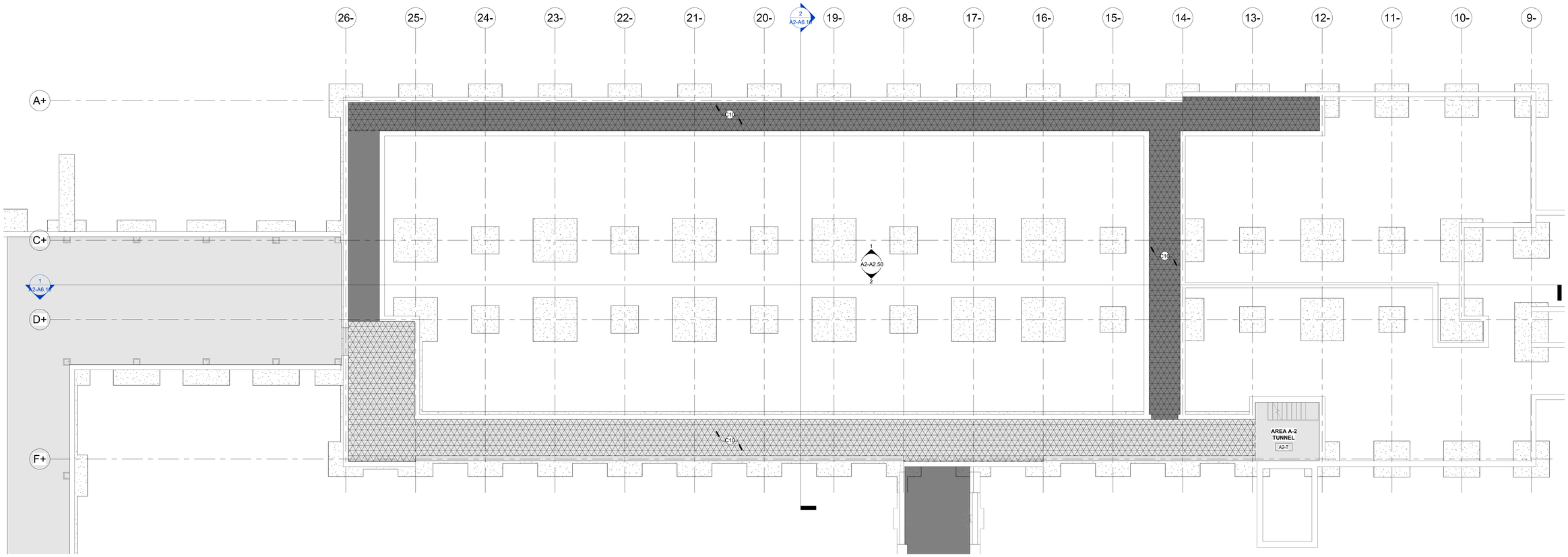
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AREA A-2 - INTERIOR ELEVATIONS - DEMOLITION

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NORTH 1 AREA A-2 - TUNNEL PLAN
1/8" = 1'-0"

FLOOR PLAN KEYNOTES - AREA A-2 (F#)

1. INSTALL NEW UNIT VENTILATOR. PROVIDE NEW MECHANICAL LOUVERS IN MASONRY OPENINGS TIED TO THE UNIT VENTILATOR. REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION. PATCH FLOORING SURROUNDING THE UNIT VENTILATOR WITHIN THE HATCH REGION (CROSSHATCH PATTERN) SHOWN. IF APPLICABLE, MODIFY, PATCH OR PROVIDE NEW COUNTERS TO FILL ANY GAPS PRESENT FROM SPACE LEFT OVER FROM PREVIOUS UNITS. PROVIDE NEW PAINT AND FINISHES ON THE WALLS THE UNIT IS TO BE MOUNTED AGAINST. REFER TO INTERIOR ELEVATIONS FOR MORE INFORMATION.
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6. PATCH AND REPAIR PLUMBING WALL TO MATCH SURROUNDING CONDITIONS ONCE MECHANICAL PIPING WORK IS COMPLETED.
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8. MASONRY OPENING LEFT FROM REMOVED FIN TUBE IS TO BE REPAIRED AND PATCHED TO MATCH THE EXISTING SURROUNDING CONDITIONS.
9. PATCH FLOORING WHERE DEMOLISHED UNIT VENTILATOR WAS LOCATED. PROVIDE NEW PAINT AND FINISHES ON THE WALLS WHERE THE UNIT WAS LOCATED. MASONRY OPENING FROM MECHANICAL LOUVER IS TO BE PATCHED TO MATCH SURROUNDING CONDITIONS AND FINISHES AS APPLICABLE. REFER TO INTERIOR ELEVATIONS FOR MORE INFORMATION.
10. PROVIDE AND INSTALL NEW PIPING WITHIN THE HATCH REGION (TRIANGLE PATTERN) SHOWN. REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION.
11. PROVIDE NEW INTERIOR FURRED WALL ALONG EXTERIOR WALL OF OFFICE AREA. NEW WALLS TO EXTEND TO THE BOTTOM OF THE DECK. NO NEW WALLS ARE TO BE CONSTRUCTED BELOW AREAS WHERE EXISTING PIPING AND FIN TUBES ARE CONNECTED TO UNIT VENTILATORS. MODIFY CEILINGS AS NECESSARY TO ACCOMMODATE THE CHANGE IN ROOM SIZE. ANY WALL MOUNTED ITEMS INCLUDING DRY ERASE BOARDS, ELECTRICAL OUTLETS, ELECTRICAL DEVICES, ELECTRICAL CHANNELS, AND PACKAGED TERMINAL AIR CONDITIONER ARE TO BE REMOVED AND SALVAGED FOR REINSTALLATION ON THE NEW FURRED WALL. SEE INTERIOR ELEVATIONS, ELECTRICAL DRAWINGS, AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
12. PROVIDE AND INSTALL NEW CEILING MOUNTED CABINET UNIT HEATER. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION. PATCH AND REPAIR CEILING TO MATCH SURROUNDING CONDITIONS.

GENERAL NOTES

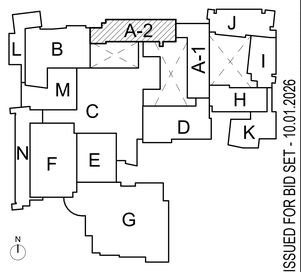
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TUNNEL LEGEND

CRAWL SPACE

WALKABLE SPACE

KEY PLAN



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ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

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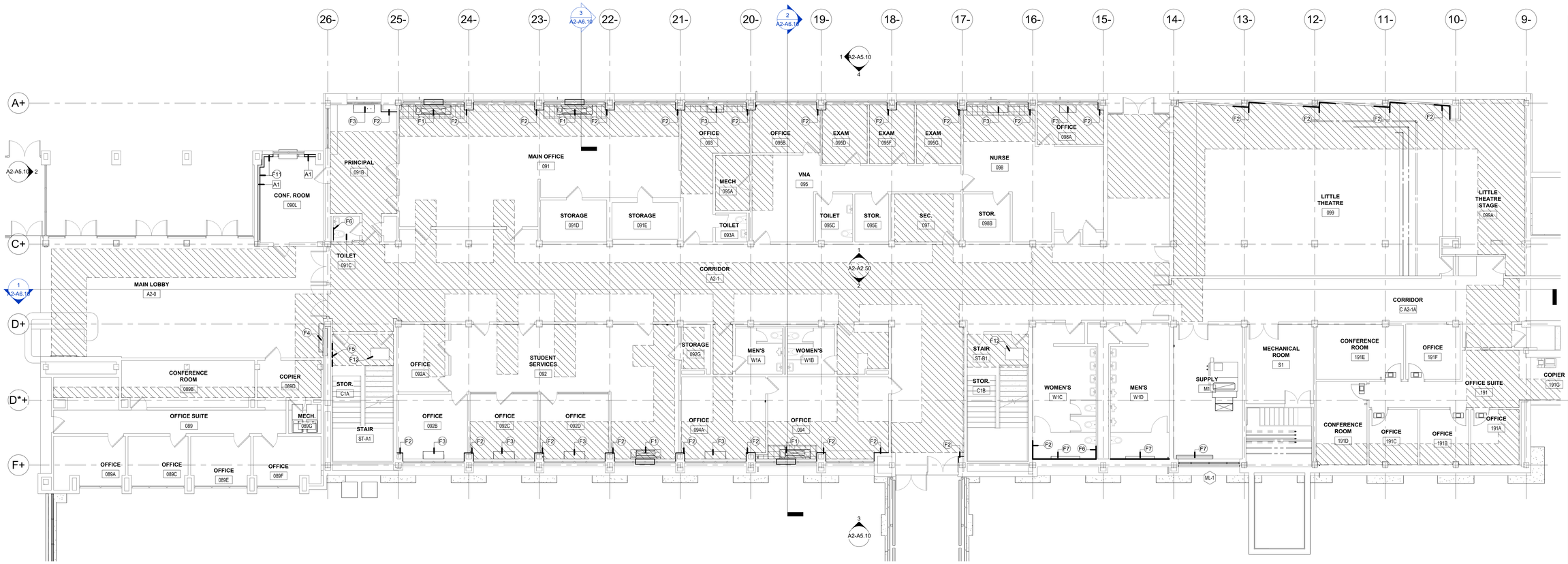
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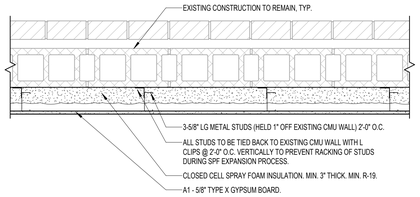
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A2-A2.10



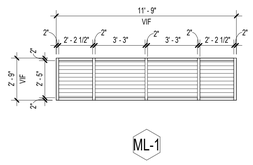
NORTH

1 AREA A-2 - FIRST FLOOR PLAN
1/8" = 1'-0"



WALL TYPE A - INTERIOR FURRED WALL - LIGHT GAUGE STUD WALL

DETAIL	CMU THICKNESS	STUD SIZE	STUD SPACING	NOMINAL WALL THICKNESS	MAX. HEIGHT	FIRE RATING	FIRE TEST NO.
A1	-	3-5/8"	24" O.C.	5-1/4"	-	-	-



ML-1

GLAZING NOTES AND LEGEND

IGU-1 — **LAMINATED** CLEAR INSULATED GLAZING UNIT. REFER TO SPECIFICATIONS. LAMINATED GLAZING TO BE BASE BID.

IGU-2 — INSULATED SPANDREL GLAZING UNIT. REFER TO SPECIFICATIONS.

MECHANICAL LOUVER UNIT. REFER TO SPECIFICATIONS.

OPERABLE AWNING-STYLE WINDOW. PROVIDE INSECT SCREEN WITH ACCESS PANELS TO OPERABLE HANDLES.

1. PURSUANT TO 2015 IBC 2406 SAFETY GLAZING PROVIDE FULLY TEMPERED GLAZING IN THE FOLLOWING SITUATIONS ON THIS PROJECT:
   A. ALL GLAZING IN DOORS.
   B. ALL GLAZING IN RAILINGS.
   C. ALL GLAZING PANELS LARGER THAN 9 SQ FT IN AREA.

(F-X) FRAME DESIGNATION

FLOOR PLAN KEYNOTES - AREA A-2 (F#)

1. INSTALL NEW UNIT VENTILATOR. PROVIDE NEW MECHANICAL LOUVERS IN MASONRY OPENINGS TIED TO THE UNIT VENTILATOR. REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION. PATCH FLOORING SURROUNDING THE UNIT VENTILATOR WITHIN THE HATCH REGION (CROSSHATCH PATTERN) SHOWN. IF APPLICABLE, MODIFY, PATCH OR PROVIDE NEW COUNTERS TO FILL ANY GAPS PRESENT FROM SPACE LEFT OVER FROM PREVIOUS UNITS. PROVIDE NEW PAINT AND FINISHES ON THE WALLS THE UNIT IS TO BE MOUNTED AGAINST. REFER TO INTERIOR ELEVATIONS FOR MORE INFORMATION.
2. PIPE CHASES ARE TO BE PATCHED AND REPAIRED ONCE MECHANICAL PIPING WORK IS COMPLETED.
3. INSTALL NEW FAN COIL. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION. PATCH FLOORING SURROUNDING THE FAN COIL WITHIN THE HATCHED REGION (CROSSHATCH PATTERN) SHOWN. PROVIDE NEW PAINT AND FINISHES ON THE WALL THE UNIT IS MOUNTED ON. REFER TO INTERIOR ELEVATIONS FOR MORE INFORMATION. IN AREAS WHERE A NEW FAN COIL IS REPLACING A UNIT VENTILATOR THE MASONRY OPENING LEFT FROM THE MECHANICAL LOUVER IS TO BE INFILLED WITH MASONRY AND PATCHED. REFER TO INTERIOR AND EXTERIOR ELEVATIONS FOR MORE INFORMATION.
4. INSTALL NEW CABINET UNIT HEATER. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION. MODIFY MASONRY AS REQUIRED FOR ACCEPTANCE OF LARGER UNIT. PATCH AND REPAIR WALL TO MATCH SURROUNDING CONDITIONS AND FINISHES.
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12. PROVIDE AND INSTALL NEW CEILING MOUNTED CABINET UNIT HEATER. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION. PATCH AND REPAIR CEILING TO MATCH SURROUNDING CONDITIONS.

FLOOR PLAN LEGEND - FLOORING WORK

PATCH AND REPAIR FLOORING SURROUNDING NEW UNIT VENTILATORS OR NEW FAN COILS WITHIN THE HATCH REGION SHOWN. WALLS THAT UNITS ARE MOUNTED AGAINST ARE TO BE GIVEN NEW PAINT AND FINISHES. SEE INTERIOR ELEVATIONS.

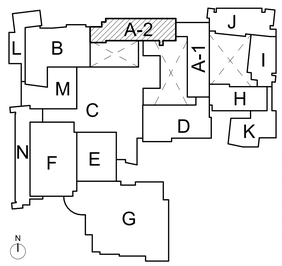
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11. ALL PENETRATIONS THROUGH WALLS, FLOORS, CEILINGS ARE TO BE FIRE CAULKED. ALL FIRESTOPPING/CAULKING IS TO BE COMPLETED PRIOR TO THE INSTALLATION OF NEW CEILINGS.

FLOOR PLAN LEGEND - CEILING REINSTALLATION

REINSTALL SALVAGED CEILINGS AND LIGHTS AFTER COMPLETION OF ABOVE CEILING MECHANICAL WORK. HATCHED AREAS ARE SHOWN ONLY FOR REFERENCE. CAREFULLY REINSTALL ALL SALVAGED CEILING MOUNTED EQUIPMENT INCLUDING BUT NOT LIMITED TO LIGHTS, SMOKE DETECTORS, WAPS, PROJECTORS, ETC. TO THEIR ORIGINAL LOCATIONS. SEE MECHANICAL PLANS FOR DUCT LAYOUTS AND NEW DIFFUSER LOCATIONS.

KEY PLAN



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ARCHITECTURE + ENGINEERING + CONSTRUCTION

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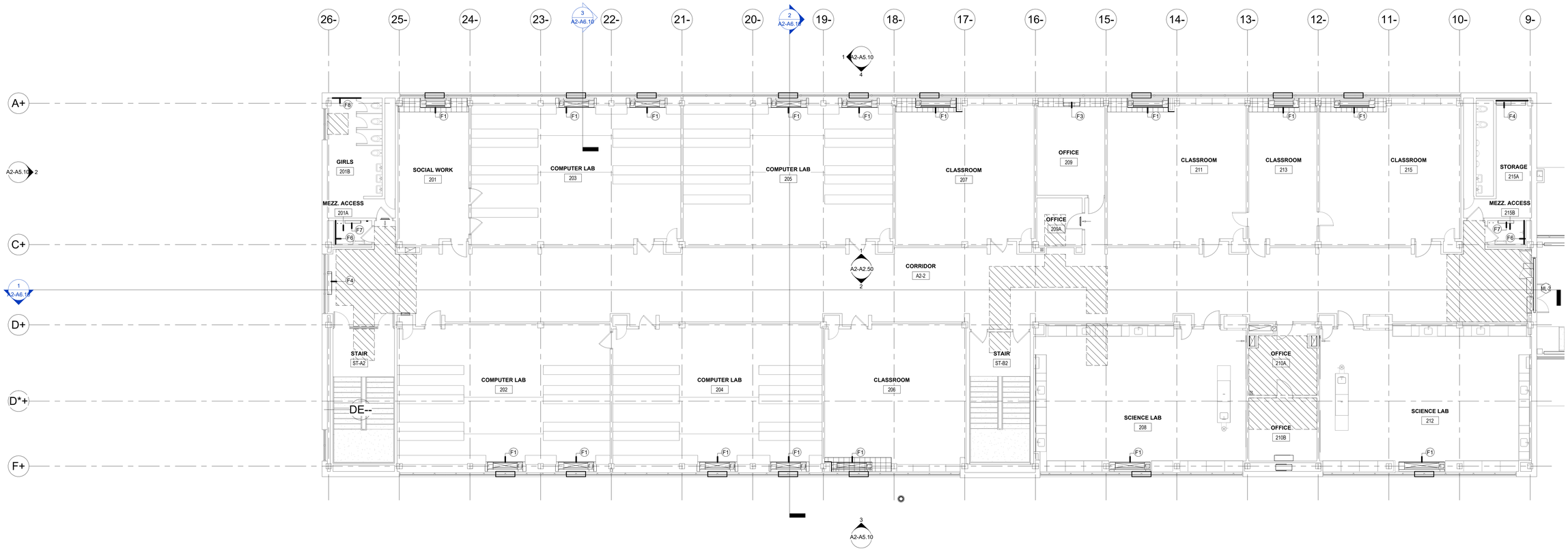
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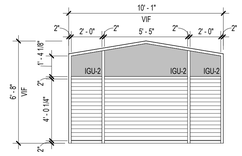
DRAWING TITLE:
AREA A-2 - FIRST FLOOR PLAN

A2-A2.11

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NORTH 1 AREA A-2 - SECOND FLOOR PLAN
1/8" = 1'-0"



ML-2

GLAZING NOTES AND LEGEND

IGU-1 — **LAMINATED** CLEAR INSULATED GLAZING UNIT. REFER TO SPECIFICATIONS. LAMINATED GLAZING TO BE BASE BID.

IGU-2 — INSULATED SPANDREL GLAZING UNIT. REFER TO SPECIFICATIONS.

MECHANICAL LOUVER UNIT. REFER TO SPECIFICATIONS.

OPERABLE AWNING-STYLE WINDOW. PROVIDE INSECT SCREEN WITH ACCESS PANELS TO OPERABLE HANDLES.

1. PURSUANT TO 2015 IBC 2406 SAFETY GLAZING PROVIDE FULLY TEMPERED GLAZING IN THE FOLLOWING SITUATIONS ON THIS PROJECT:
   A. ALL GLAZING IN DOORS.
   B. ALL GLAZING IN RAILINGS.
   C. ALL GLAZING PANELS LARGER THAN 9 SQ FT IN AREA.

SF-X — FRAME DESIGNATION

FLOOR PLAN KEYNOTES - AREA A-2 (F#)

1. INSTALL NEW UNIT VENTILATOR. PROVIDE NEW MECHANICAL LOUVERS IN MASONRY OPENINGS TIED TO THE UNIT VENTILATOR. REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION. PATCH FLOORING SURROUNDING THE UNIT VENTILATOR WITHIN THE HATCH REGION (CROSSHATCH PATTERN) SHOWN. IF APPLICABLE, MODIFY, PATCH OR PROVIDE NEW COUNTERS TO FILL ANY GAPS PRESENT FROM SPACE LEFT OVER FROM PREVIOUS UNITS. PROVIDE NEW PAINT AND FINISHES ON THE WALLS THE UNIT IS TO BE MOUNTED AGAINST. REFER TO INTERIOR ELEVATIONS FOR MORE INFORMATION.
2. PIPE CHASES ARE TO BE PATCHED AND REPAIRED ONCE MECHANICAL PIPING WORK IS COMPLETED.
3. INSTALL NEW FAN COIL. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION. PATCH FLOORING SURROUNDING THE FAN COIL WITHIN THE HATCHED REGION (CROSSHATCH PATTERN) SHOWN. PROVIDE NEW PAINT AND FINISHES ON THE WALL THE UNIT IS MOUNTED ON. REFER TO INTERIOR ELEVATIONS FOR MORE INFORMATION. IN AREAS WHERE A NEW FAN COIL IS REPLACING A UNIT VENTILATOR THE MASONRY OPENING LEFT FROM THE MECHANICAL LOUVER IS TO BE INFILLED WITH MASONRY AND PATCHED. REFER TO INTERIOR AND EXTERIOR ELEVATIONS FOR MORE INFORMATION.
4. INSTALL NEW CABINET UNIT HEATER. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION. MODIFY MASONRY AS REQUIRED FOR ACCEPTANCE OF LARGER UNIT. PATCH AND REPAIR WALL TO MATCH SURROUNDING CONDITIONS AND FINISHES.
5. MASONRY OPENING LEFT FROM CABINET UNIT HEATER IS TO BE REPAIRED AND PATCHED TO MATCH THE SURROUNDING CONDITIONS.
6. PATCH AND REPAIR PLUMBING WALL TO MATCH SURROUNDING CONDITIONS ONCE MECHANICAL PIPING WORK IS COMPLETED.
7. INSTALL NEW RADIANT PANEL IN APPLICABLE AREAS. MODIFY WALL TILE MASONRY OPENING TO RECEIVE NEW UNIT. PATCH AND REPAIR WALL TO MATCH SURROUNDING CONDITIONS AND FINISHES.
8. MASONRY OPENING LEFT FROM REMOVED FIN TUBE IS TO BE REPAIRED AND PATCHED TO MATCH THE EXISTING SURROUNDING CONDITIONS.
9. PATCH FLOORING WHERE DEMOLISHED UNIT VENTILATOR WAS LOCATED. PROVIDE NEW PAINT AND FINISHES ON THE WALLS WHERE THE UNIT WAS LOCATED. MASONRY OPENING FROM MECHANICAL LOUVER IS TO BE PATCHED TO MATCH SURROUNDING CONDITIONS AND FINISHES AS APPLICABLE. REFER TO INTERIOR ELEVATIONS FOR MORE INFORMATION.
10. PROVIDE AND INSTALL NEW PIPING WITHIN THE HATCH REGION (TRIANGLE PATTERN) SHOWN. REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION.
11. PROVIDE NEW INTERIOR FURRED WALL ALONG EXTERIOR WALL OF OFFICE AREA. NEW WALLS TO EXTEND TO THE BOTTOM OF THE DECK. NO NEW WALLS ARE TO BE CONSTRUCTED BELOW AREAS WHERE EXISTING PIPING AND FIN TUBES ARE CONNECTED TO UNIT VENTILATORS. MODIFY CEILINGS AS NECESSARY TO ACCOMMODATE THE CHANGE IN ROOM SIZE. ANY WALL MOUNTED ITEMS INCLUDING DRY ERASE BOARDS, ELECTRICAL OUTLETS, ELECTRICAL DEVICES, ELECTRICAL CHANNELS, AND PACKAGED TERMINAL AIR CONDITIONER ARE TO BE REMOVED AND SALVAGED FOR REINSTALLATION ON THE NEW FURRED WALL. SEE INTERIOR ELEVATIONS, ELECTRICAL DRAWINGS, AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
12. PROVIDE AND INSTALL NEW CEILING MOUNTED CABINET UNIT HEATER. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION. PATCH AND REPAIR CEILING TO MATCH SURROUNDING CONDITIONS.

FLOOR PLAN LEGEND - FLOORING WORK

PATCH AND REPAIR FLOORING SURROUNDING NEW UNIT VENTILATORS OR NEW FAN COILS WITHIN THE HATCH REGION SHOWN. WALLS THAT UNITS ARE MOUNTED AGAINST ARE TO BE GIVEN NEW PAINT AND FINISHES. SEE INTERIOR ELEVATIONS.

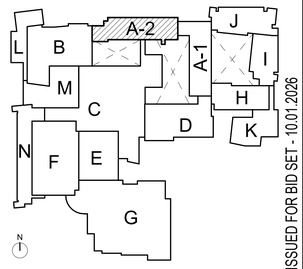
GENERAL NOTES

1. REFER TO DRAWING G1.00 FOR FULL GENERAL DEMOLITION NOTES.
2. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR FULL MECHANICAL, PLUMBING, AND ELECTRICAL DEMOLITION SCOPE OF WORK.
3. IN AREAS WHERE EXISTING WALLS, PARTITIONS, ETC. ARE TO BE REMOVED, IT SHALL BE NECESSARY TO REPAIR EXISTING CEILINGS, ADJUST AND RELOCATE OR REWIRE LIGHTING FIXTURES, AND REMOVE OR RELOCATE ELECTRICAL AND MECHANICAL COMPONENTS AS REQUIRED OR DIRECTED. DEMOLITION AREAS SHOWN ON PLAN ARE REPRESENTATIONAL ONLY AND SHOULD NOT BE CONSIDERED ALL ENCOMPASSING. CONTRACTOR WILL BE RESPONSIBLE FOR ALL REMOVAL AND REPLACEMENT OF ADJACENT CONSTRUCTION NECESSARY TO COMPLETE THE WORK.
4. WASH AND CLEAN ALL EXISTING INTERIOR HVAC GRILLES AND DIFFUSERS WHICH ARE TO REMAIN (CEILING AND WALL-MOUNTED, AND FREESTANDING AT EXPOSED CONSTRUCTION).
5. EXISTING WALLS, FLOORS, AND CEILINGS WHICH ARE DAMAGED AND ARE TO REMAIN SHALL BE PATCHED AND REBUILT AS REQUIRED TO MATCH SURROUNDING CONSTRUCTION, AT NO ADDITIONAL COST TO THE OWNER.
6. ACTIVE PIPES, CONDUITS, AND OTHER UTILITIES OF ALL TYPES, WHETHER SHOWN IN THE CONSTRUCTION DOCUMENTS OR NOT, MUST BE PROTECTED AT ALL TIMES DURING THE CONSTRUCTION OF THE WORK. EXTREME CARE SHALL BE EXERCISED AT ALL TIMES NOT TO DAMAGE ANY SUCH PIPES AND CONDUITS. WHERE DAMAGE OCCURS, CONTRACTOR CAUSING THE DAMAGE SHALL REPAIR SUCH DAMAGE IN A MANNER APPROVED BY THE ARCHITECT AND OWNER, AND AT NO CHANGE IN THE CONTRACT PRICES OF CONTRACTOR.
7. IN AREAS WHERE EXISTING DOORS, WINDOWS, ETC. ARE REQUIRED TO BE REMOVED TO DISPOSE OF EXISTING MECHANICAL SYSTEM, CONTRACTORS MUST REINSTALL, REPAIR, OR REBUILD CONDITION TO MATCH SURROUNDING CONSTRUCTION OR BETTER, AT NO ADDITIONAL COST TO THE OWNER.
8. ALL SUPPLY AND RETURN DIFFUSERS NOT ORIGINAL TO BUILDING AND ARE BEING ABANDONED SHALL BE REMOVED.
9. ALL CORING REQUIRED FOR NEW WORK IS TO BE INCLUDED IN THE BASE BID. ALL PENETRATIONS TO BE COORDINATED WITH ADJACENT STRUCTURE. REFER TO ROOM FINISH SCHEDULE FOR EXISTING WALL/ FLOOR/ CEILING MATERIALS. NO EXTRAS WILL BE CONSIDERED FOR MULTIPLE PASSES REQUIRED TO CORE THROUGH MULTIPLE MATERIALS. CLEANING OF ALL DEBRIS AND WET DRILL RUNOFF WILL BE REQUIRED TO RESTORE ADJACENT CONSTRUCTION TO ITS FORMER CONDITION.
10. PROTECT ALL FLOORS THROUGHOUT THE PROJECT PER THE GENERAL NOTES ON G1.00. ANY DAMAGE TO EXISTING FLOORS MUST BE REPLACED, IN KIND, AT THE EXPENSE OF THE CONTRACTOR CAUSING THE DAMAGE.
11. ALL PENETRATIONS THROUGH WALLS, FLOORS, CEILINGS ARE TO BE FIRE CAULKED. ALL FIRESTOPPING/CAULKING IS TO BE COMPLETED PRIOR TO THE INSTALLATION OF NEW CEILINGS.

FLOOR PLAN LEGEND - CEILING REINSTALLATION

REINSTALL SALVAGED CEILINGS AND LIGHTS AFTER COMPLETION OF ABOVE CEILING MECHANICAL WORK. HATCHED AREAS ARE SHOWN ONLY FOR REFERENCE. CAREFULLY REINSTALL ALL SALVAGED CEILING MOUNTED EQUIPMENT INCLUDING BUT NOT LIMITED TO LIGHTS, SMOKE DETECTORS, WAPS, PROJECTORS, ETC. TO THEIR ORIGINAL LOCATIONS. SEE MECHANICAL PLANS FOR DUCT LAYOUTS AND NEW DIFFUSER LOCATIONS.

KEY PLAN



CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

EAST AURORA SCHOOL DISTRICT #131
EAHS MECHANICAL IMPROVEMENTS - PHASE III
500 TOMCAT LN.
AURORA, IL 60506

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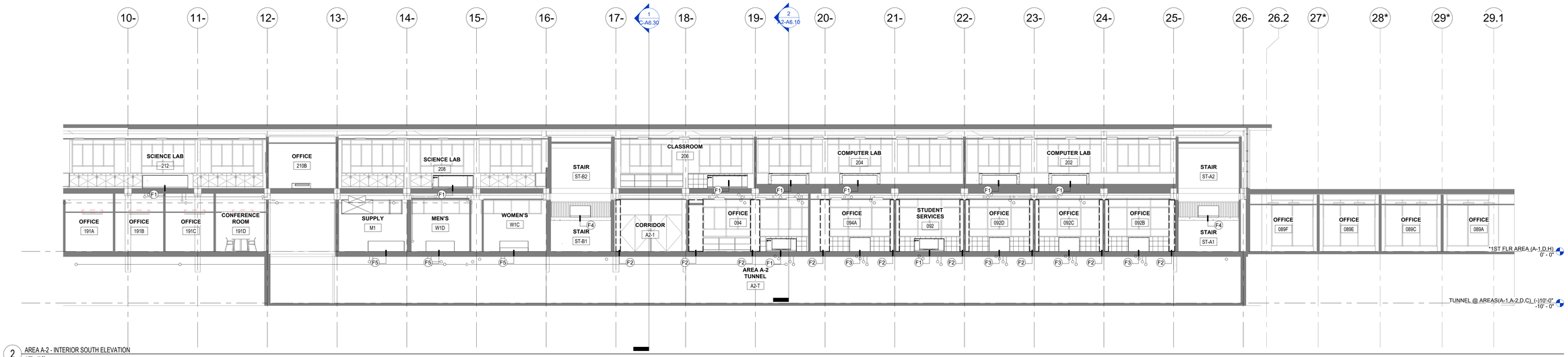
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DRAWING TITLE:
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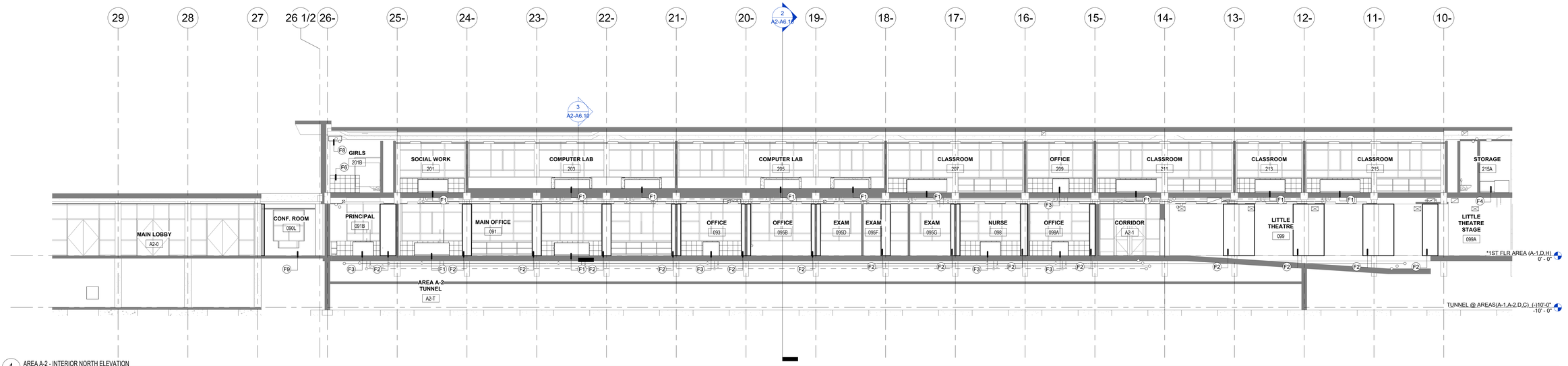
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2 AREA A-2 - INTERIOR SOUTH ELEVATION
1/8" = 1'-0"



1 AREA A-2 - INTERIOR NORTH ELEVATION
1/8" = 1'-0"

NEW WORK KEYNOTES - AREA A-2 INTERIOR ELEVATIONS (F#)

1. INSTALL NEW UNIT VENTILATOR. PROVIDE NEW MECHANICAL LOUVERS IN MASONRY OPENINGS TIED TO THE UNIT VENTILATOR. REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION. PATCH FLOORING SURROUNDING THE UNIT VENTILATOR. IF APPLICABLE, PATCH OR PROVIDE NEW COUNTERS TO FILL ANY GAPS PRESENT FROM SPACE LEFT OVER FROM PREVIOUS UNITS. PROVIDE NEW PAINT AND FINISHES ON THE WALLS THE UNIT IS TO BE MOUNTED AGAINST.
2. PIPE CHASES ARE TO BE PATCHED AND REPAIRED ONCE MECHANICAL PIPING WORK IS COMPLETED. SEE INTERIOR ELEVATIONS AND MECHANICAL DRAWINGS FOR MORE INFORMATION.
3. INSTALL NEW FAN COIL. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION. PATCH FLOORING SURROUNDING THE FAN COIL. PROVIDE NEW PAINT AND FINISHES ON THE WALL THE UNIT IS MOUNTED ON. IN AREAS WHERE A NEW FAN COIL IS REPLACING A UNIT VENTILATOR THE MASONRY OPENING LEFT FROM THE MECHANICAL LOUVER IS TO BE INFILLED WITH MASONRY AND PATCHED. REFER TO EXTERIOR ELEVATIONS FOR MORE INFORMATION.
4. INSTALL NEW CABINET UNIT HEATER. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION. MODIFY MASONRY AS REQUIRED FOR ACCEPTANCE OF LARGER UNIT. PATCH AND REPAIR WALL TO MATCH SURROUNDING CONDITIONS AND FINISHES.
5. INSTALL NEW RADIANT PANEL. IN APPLICABLE AREAS, MODIFY WALL TILE MASONRY OPENING TO RECEIVE NEW UNIT. PATCH AND REPAIR WALL TO MATCH SURROUNDING CONDITIONS AND FINISHES.
6. MASONRY OPENING LEFT FROM REMOVED FIN TUBE IS TO BE REPAIRED AND PATCHED TO MATCH THE EXISTING SURROUNDING CONDITIONS.
7. MASONRY OPENING LEFT FROM REMOVED UNIT VENTILATOR IS TO BE REPAIRED AND PATCHED TO MATCH THE EXISTING SURROUNDING CONDITIONS.
8. PROVIDE AND INSTALL NEW CEILING MOUNTED CABINET UNIT HEATER. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION. PATCH AND REPAIR CEILING TO MATCH SURROUNDING CONDITIONS.
9. PROVIDE NEW INTERIOR FURRED WALL ALONG EXTERIOR WALL OF OFFICE AREA. NEW WALLS TO EXTEND TO THE BOTTOM OF THE DECK. NO NEW WALLS ARE TO BE CONSTRUCTED BELOW AREAS WHERE EXISTING PIPING AND FIN TUBES ARE CONNECTED TO UNIT VENTILATORS. ANY WALL MOUNTED ITEMS INCLUDING DRY ERASE BOARDS, ELECTRICAL OUTLETS, ELECTRICAL CHANNELS, AND PACKAGED TERMINAL AIR CONDITIONER ARE TO BE REMOVED AND SALVAGED FOR REINSTALLATION ON THE NEW FURRED WALL. SEE INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.

GENERAL NOTES

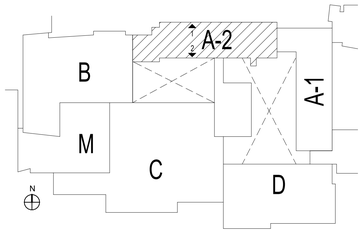
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10. PROTECT ALL FLOORS THROUGHOUT THE PROJECT PER THE GENERAL NOTES ON G1.00. ANY DAMAGE TO EXISTING FLOORS MUST BE REPLACED, IN KIND, AT THE EXPENSE OF THE CONTRACTOR CAUSING THE DAMAGE.
11. ALL PENETRATIONS THROUGH WALLS, FLOORS, CEILINGS ARE TO BE FIRE CAULKED. ALL FIRESTOPPING/CAULKING IS TO BE COMPLETED PRIOR TO THE INSTALLATION OF NEW CEILINGS.

INTERIOR ELEVATION LEGEND

PATCH AND REPAIR WALLS WHERE NEW UNITS ARE GOING TO BE REPLACING OLD UNITS WITHIN THE HATCHED REGION SHOWN. ANY GAPS IN MASONRY WALLS FROM NEW UNITS BEING SMALLER THAN THE DEMOLISHED UNITS ARE TO BE INFILLED TO MATCH SURROUNDING CONDITIONS. MODIFY OPENINGS AS REQUIRED IN CASES WHERE NEW UNITS ARE LARGER THAN THE DEMOLISHED UNITS. ANY OPENINGS LEFT IN MASONRY WALLS FROM DEMOLISHED UNITS OR MECHANICAL LOUVER OPENINGS WHERE NO NEW UNITS ARE TO BE INSTALLED SHALL BE PATCHED. PROVIDE NEW PAINT AND FINISHES TO WALLS.

PATCH AND REPAIR AREAS WHERE NEW UNIT VENTILATORS PRESENT GAPS FROM THE NEW UNIT BEING SMALLER THAN THE OLD DEMOLISHED UNIT. FINISHES ARE TO MATCH SURROUNDING CONDITIONS.

KEY PLAN



CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

EAST AURORA SCHOOL DISTRICT #131
EAHS MECHANICAL IMPROVEMENTS - PHASE III
500 TOMCAT LN.
AURORA, IL 60506

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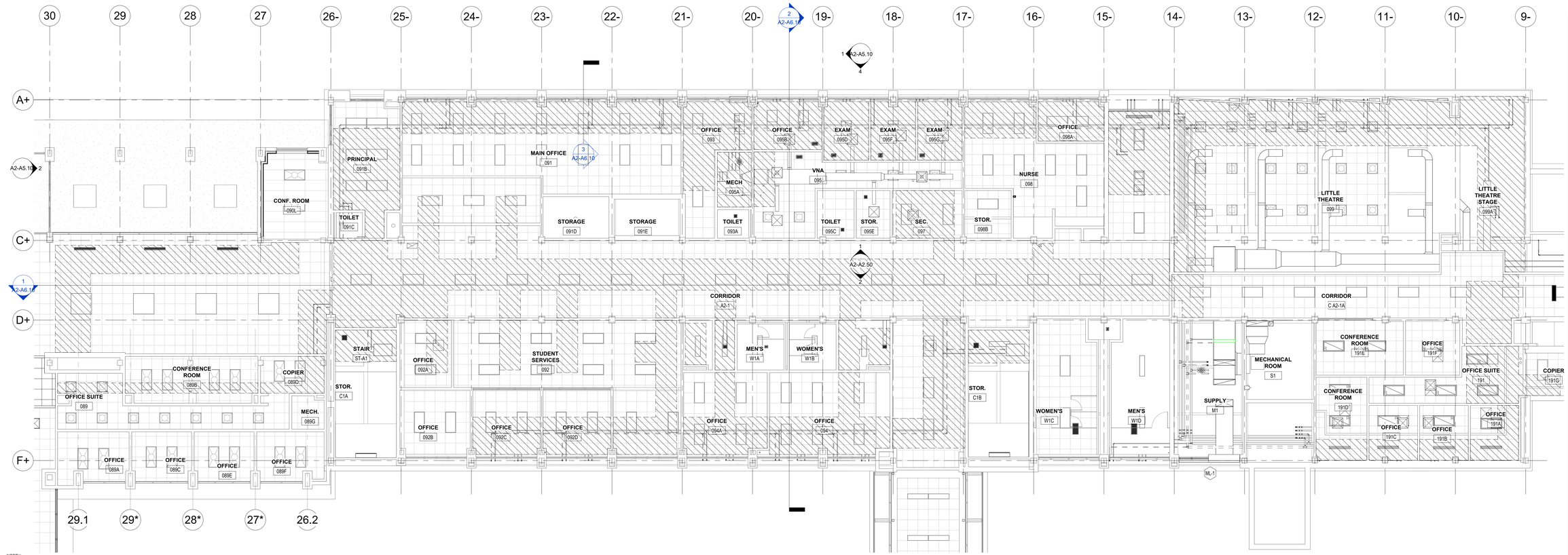
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NORTH

1 AREA A-2 - REFLECTED CEILING PLAN
1/8" = 1'-0"

GENERAL CEILING NOTES

1. REFER TO ELECTRICAL DRAWINGS AND SPECIALTY LIGHTING DRAWINGS FOR LIGHT FIXTURE INFORMATION.
2. REFER TO ELECTRICAL DRAWINGS FOR COORDINATION OF EXIT SIGNS, ETC.
3. REFER TO MECHANICAL AND FIRE PROTECTION DRAWINGS FOR COORDINATION OF DIFFUSERS, SPRINKLER HEADS, EQUIPMENT LOCATIONS, ETC.
4. SPRINKLER HEADS ARE TO BE CENTERED IN CEILING TILES, UNLESS NOTED OTHERWISE.
5. IN AREAS OF 2'x2' ACT WHERE LESS THAN 4" OF TILE WOULD BE REQUIRED TO FILL SPACE TO THE WALL, PROVIDE MATCHING 2'x4' TILE CUT AS REQUIRED TO FILL SPACE. DO NOT PROVIDE INTERVENING TEE GRID.
6. PROVIDE GYPSUM BOARD CONTROL JOINTS THE FULL LENGTH OF THE CEILING FOR A SPACING OF 30'-0" O.C. MAX.
7. METAL FRAMING PERFORMANCE CRITERIA: PROVIDE NECESSARY FRAMING, GAUGES, FASTENERS, ETC. TO LIMIT L/360 DEFLECTION AT ALL METAL FRAMING INSTALLATIONS.
8. ALL PENETRATIONS WITHIN FIRE RATED CEILINGS ARE TO BE SEALED WITH FIRE CAULKING TO MAINTAIN THE SPECIFIED U.L. DESIGN.
9. UNLESS OTHERWISE NOTED, ALL ELEVATIONS SHOWN ARE ABOVE FINISHED FLOOR (A.F.F.).
10. REFER TO ELECTRICAL SHEETS FOR ALL NEW LIGHTING AND EXISTING LIGHTING MODIFICATION WORK REQUIREMENTS.
11. WHILE EVERY EFFORT HAS BEEN MADE TO ENSURE THE ACCURACY OF EXISTING CEILING HEIGHTS AND DIMENSIONS, THE CONTRACTOR WILL ULTIMATELY BE RESPONSIBLE FOR ALL FIELD MEASUREMENTS PRIOR TO COMMENCEMENT OF WORK. ALL MEASUREMENTS SHOWN ARE FOR REFERENCE ONLY.
12. PATCH AND PAINT ALL HOLES IN EXISTING PLASTER CEILING LEFT FROM FORMER LOCATIONS OF RELOCATED SURFACE MOUNTED LIGHT FIXTURES. COORDINATE LIGHTS AFFECTED WITH ELECTRICAL DRAWINGS. SOME ADDITIONAL PATCHING/PAINTING MAY BE REQUIRED WHERE EXISTING LIGHTS MAY NOT HAVE BEEN INDICATED ON PLANS.
13. RE-INSTALL ALL EXISTING CEILING MOUNTED EQUIPMENT INCLUDING SPEAKERS, EXISTING SIGNS, SMOKE DETECTORS, MOTION DETECTORS, FANS, PROJECTORS, ETC. AT THEIR ORIGINAL LOCATIONS.
14. ALL WALL MOUNTED ITEMS AFFECTED BY THE INSTALLATION OF NEW CEILINGS ARE TO BE LOWERED AS REQUIRED BY THE NEW WORK.
15. ALL CHANGE ORDERS DUE TO THE LACK OF COORDINATION WITH ALL CONTRACT DOCUMENTS (INCLUDING ALL DISCIPLINES), LACK OF DOCUMENTED WALK-THRUS PRIOR TO BIDDING AND REASONABLY UNFORESEEN CIRCUMSTANCES WILL NOT BE CONSIDERED. ALL WORK REQUIRED FOR INSTALLATION OF ALL SYSTEMS IS REQUIRED.
16. REMOVE EXISTING CEILING AS REQUIRED TO ACCOMMODATE NEW MECHANICAL SYSTEMS, HEIGHTS SHOWN ON REFLECTED CEILING PLANS ARE ASSUMED, MAKE CEILING HEIGHT AS TALL AS POSSIBLE BASED ON INSTALLED EQUIPMENT. REINSTALL ALL CEILINGS, LIGHTS, FIRE DEVICES, ETC.IN THEIR PREVIOUS CONDITIONS. REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION.
17. PATCH AND MATCH WALLS/CEILINGS AT ALL RELOCATED LIGHTS.
18. A MOCKUP OF A TYPICAL CEILING HUNG BLOWER COIL SHALL BE CREATED AND APPROVED BY THE ARCHITECT/ENGINEER PRIOR TO INSTALLATION OF THE REMAINDER OF THE BLOWER COILS
19. MECHANICAL EQUIPMENT, DUCTS, PIPING, ETC. SHOWN ON ARCHITECTURAL DRAWINGS ARE FOR REFERENCE ONLY. SEE MECHANICAL DRAWINGS AND SPECIFICATIONS FOR MECHANICAL DETAILS AND SCOPE.

IMPORTANT: "PRIOR TO COMMENCEMENT OF THE MECHANICAL WORK, ALL EXISTING LED LIGHT FIXTURES AND CONTROLS THAT ARE TO BE IMPACTED BY THE WORK SHALL BE CAREFULLY REMOVED BY ELECTRICAL CONTRACTOR (E.C.) TO CONTRACTOR'S SECURE STORAGE PRIOR TO CEILING DEMOLITION. COORDINATE WITH THE MECHANICAL CONTRACTOR. PROVIDE TEMPORARY LIGHTING AS NEEDED. E.C. SHALL RE-INSTALL SALVAGED LED LIGHTS FIXTURES AND CONTROLS PER NEW CEILING AND FLOOR PLANS. RESTORE LIGHTING AMD CONTROLS TO ORIGINAL WORKING ORDER AND INCLUDE ANY CONTROL PROGRAMMING NEEDED. COORDINATE WITH THE FIXTURE MANUFACTURER(S) FOR CONTINUITY OF THE EXISTING 20 YEAR PARTS AND LABOR WARRANTY AT THE CONCLUSION OF THE WORK; DO NOT MAKE UNAUTHORIZED MODIFICATIONS OR SUBSTITUTIONS WITHOUT THE MANUFACTURER'S AGREEMENT."

NOTE: WHERE ROLLER SHADES ARE EFFECTED BY NEW WORK, THE CONTRACTOR SHALL REMOVE, MODIFY AND REINSTALL AS REQUIRED TO MAINTAIN FUNCTIONS WITH THE NEW ALTERATIONS.

REFLECTED CEILING LEGEND

- EXISTING RECESSED 2'x4' LIGHT FIXTURE
- EXISTING RECESSED 2'x2' LIGHT FIXTURE
- EXISTING 2'x2' ACOUSTICAL CEILING TILES
- EXISTING 2'x4' ACOUSTICAL CEILING TILES
- EXISTING PERFORATED SUPPLY GRILLE
- EXISTING DIFFUSER
- EXISTING EXHAUST VENT
- NEW PENDANT LIGHT FIXTURE
- REMOVE AND REINSTALL EXISTING CEILINGS AND LIGHTS FOR ABOVE CEILING MECHANICAL WORK. HATCHED AREAS SHOWN FOR REFERENCE ONLY. CONTRACTOR TO COORDINATE WITH MECHANICAL DRAWINGS AND REMOVE/REINSTALL CEILINGS/LIGHTS TO EXTENT REQUIRED TO ACCOMPLISH MECHANICAL WORK.

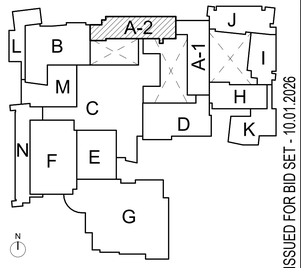
LIGHTING LABEL LEGEND

N NEW FIXTURE, REFER TO ELECTRICAL

R RELOCATED FIXTURE, REFER TO ELECTRICAL

NOTE: LIGHTS SHOWN WITHOUT LABELS ARE TO BE ASSUMED EXISTING TO REMAIN. WHERE WORK REQUIRES THE REMOVAL AND REINSTALLATION OF EXISTING LIGHTS NOT LABELED, THE CONTRACTOR WILL BE RESPONSIBLE TO DO SO AT NO ADDITIONAL COST TO THE OWNER.

KEY PLAN



CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

EAST AURORA SCHOOL DISTRICT #131
EAHS MECHANICAL IMPROVEMENTS - PHASE III
500 TOMCAT LN.
AURORA, IL 60506

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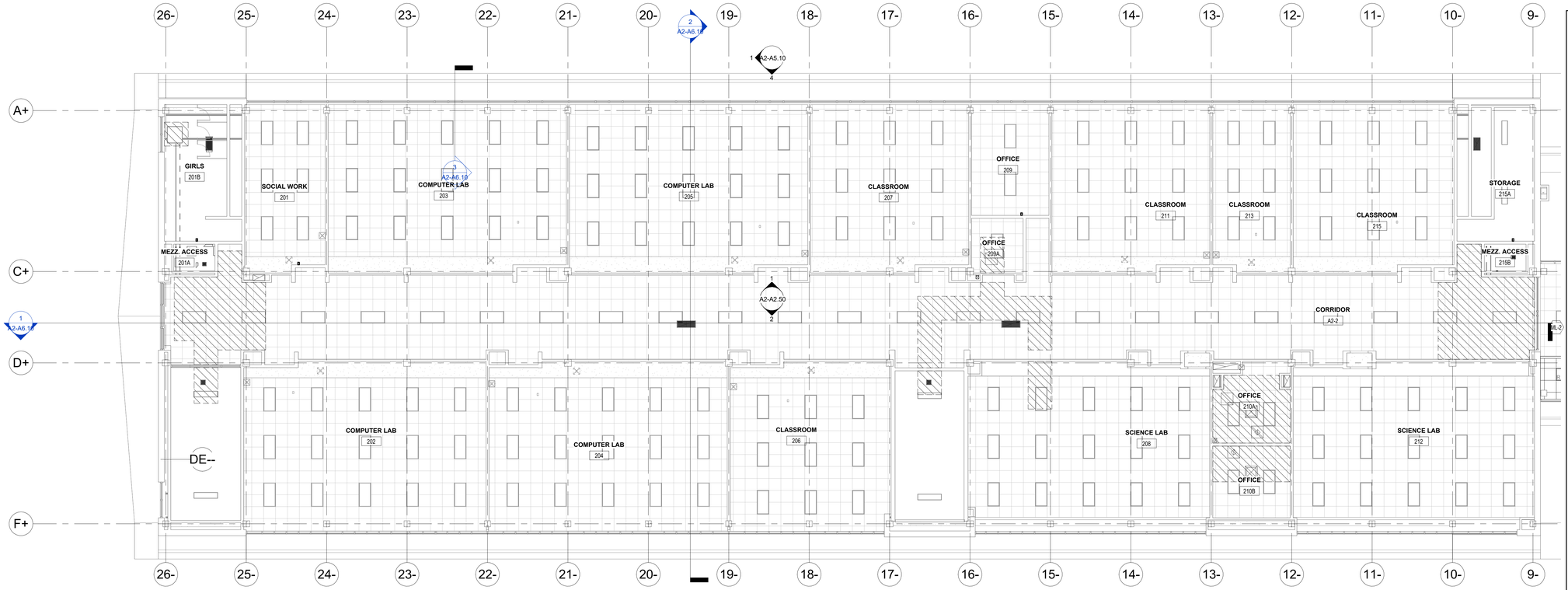
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DRAWING TITLE:
AREA A-2 - FIRST FLOOR - REFLECTED CEILING PLAN

A2-A3.11

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NORTH

1 AREA A-2 - SECOND FLOOR - REFLECTED CEILING PLAN

1/8" = 1'-0"

GENERAL CEILING NOTES

1. REFER TO ELECTRICAL DRAWINGS AND SPECIALTY LIGHTING DRAWINGS FOR LIGHT FIXTURE INFORMATION.
2. REFER TO ELECTRICAL DRAWINGS FOR COORDINATION OF EXIT SIGNS, ETC.
3. REFER TO MECHANICAL AND FIRE PROTECTION DRAWINGS FOR COORDINATION OF DIFFUSERS, SPRINKLER HEADS, EQUIPMENT LOCATIONS, ETC.
4. SPRINKLER HEADS ARE TO BE CENTERED IN CEILING TILES, UNLESS NOTED OTHERWISE.
5. IN AREAS OF 2'x2' ACT WHERE LESS THAN 4" OF TILE WOULD BE REQUIRED TO FILL SPACE TO THE WALL, PROVIDE MATCHING 2'x4' TILE CUT AS REQUIRED TO FILL SPACE. DO NOT PROVIDE INTERVENING TEE GRID.
6. PROVIDE GYPSUM BOARD CONTROL JOINTS THE FULL LENGTH OF THE CEILING FOR A SPACING OF 30'-0" O.C. MAX.
7. METAL FRAMING PERFORMANCE CRITERIA: PROVIDE NECESSARY FRAMING, GAUGES, FASTENERS, ETC. TO LIMIT L/360 DEFLECTION AT ALL METAL FRAMING INSTALLATIONS.
8. ALL PENETRATIONS WITHIN FIRE RATED CEILINGS ARE TO BE SEALED WITH FIRE CAULKING TO MAINTAIN THE SPECIFIED U.L. DESIGN.
9. UNLESS OTHERWISE NOTED, ALL ELEVATIONS SHOWN ARE ABOVE FINISHED FLOOR (A.F.F.).
10. REFER TO ELECTRICAL SHEETS FOR ALL NEW LIGHTING AND EXISTING LIGHTING MODIFICATION WORK REQUIREMENTS.
11. WHILE EVERY EFFORT HAS BEEN MADE TO ENSURE THE ACCURACY OF EXISTING CEILING HEIGHTS AND DIMENSIONS, THE CONTRACTOR WILL ULTIMATELY BE RESPONSIBLE FOR ALL FIELD MEASUREMENTS PRIOR TO COMMENCEMENT OF WORK. ALL MEASUREMENTS SHOWN ARE FOR REFERENCE ONLY.
12. PATCH AND PAINT ALL HOLES IN EXISTING PLASTER CEILING LEFT FROM FORMER LOCATIONS OF RELOCATED SURFACE MOUNTED LIGHT FIXTURES. COORDINATE LIGHTS AFFECTED WITH ELECTRICAL DRAWINGS. SOME ADDITIONAL PATCHING/PAINTING MAY BE REQUIRED WHERE EXISTING LIGHTS MAY NOT HAVE BEEN INDICATED ON PLANS.
13. RE-INSTALL ALL EXISTING CEILING MOUNTED EQUIPMENT INCLUDING SPEAKERS, EXISTING SIGNS, SMOKE DETECTORS, MOTION DETECTORS, FANS, PROJECTORS, ETC. AT THEIR ORIGINAL LOCATIONS.
14. ALL WALL MOUNTED ITEMS AFFECTED BY THE INSTALLATION OF NEW CEILINGS ARE TO BE LOWERED AS REQUIRED BY THE NEW WORK.
15. ALL CHANGE ORDERS DUE TO THE LACK OF COORDINATION WITH ALL CONTRACT DOCUMENTS (INCLUDING ALL DISCIPLINES), LACK OF DOCUMENTED WALK-THRUS PRIOR TO BIDDING AND REASONABLY UNFORESEEN CIRCUMSTANCES WILL NOT BE CONSIDERED. ALL WORK REQUIRED FOR INSTALLATION OF ALL SYSTEMS IS REQUIRED.
16. REMOVE EXISTING CEILING AS REQUIRED TO ACCOMMODATE NEW MECHANICAL SYSTEMS, HEIGHTS SHOWN ON REFLECTED CEILING PLANS ARE ASSUMED, MAKE CEILING HEIGHT AS TALL AS POSSIBLE BASED ON INSTALLED EQUIPMENT. REINSTALL ALL CEILINGS, LIGHTS, FIRE DEVICES, ETC.IN THEIR PREVIOUS CONDITIONS. REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION.
17. PATCH AND MATCH WALLS/CEILINGS AT ALL RELOCATED LIGHTS.
18. A MOCKUP OF A TYPICAL CEILING HUNG BLOWER COIL SHALL BE CREATED AND APPROVED BY THE ARCHITECT/ENGINEER PRIOR TO INSTALLATION OF THE REMAINDER OF THE BLOWER COILS
19. MECHANICAL EQUIPMENT, DUCTS, PIPING, ETC. SHOWN ON ARCHITECTURAL DRAWINGS ARE FOR REFERENCE ONLY. SEE MECHANICAL DRAWINGS AND SPECIFICATIONS FOR MECHANICAL DETAILS AND SCOPE.

IMPORTANT: "PRIOR TO COMMENCEMENT OF THE MECHANICAL WORK, ALL EXISTING LED LIGHT FIXTURES AND CONTROLS THAT ARE TO BE IMPACTED BY THE WORK SHALL BE CAREFULLY REMOVED BY ELECTRICAL CONTRACTOR (E.C.) TO CONTRACTOR'S SECURE STORAGE PRIOR TO CEILING DEMOLITION. COORDINATE WITH THE MECHANICAL CONTRACTOR. PROVIDE TEMPORARY LIGHTING AS NEEDED. E.C. SHALL RE-INSTALL SALVAGED LED LIGHTS FIXTURES AND CONTROLS PER NEW CEILING AND FLOOR PLANS. RESTORE LIGHTING AMD CONTROLS TO ORIGINAL WORKING ORDER AND INCLUDE ANY CONTROL PROGRAMMING NEEDED. COORDINATE WITH THE FIXTURE MANUFACTURER(S) FOR CONTINUITY OF THE EXISTING 20 YEAR PARTS AND LABOR WARRANTY AT THE CONCLUSION OF THE WORK; DO NOT MAKE UNAUTHORIZED MODIFICATIONS OR SUBSTITUTIONS WITHOUT THE MANUFACTURER'S AGREEMENT."

NOTE: WHERE ROLLER SHADES ARE EFFECTED BY NEW WORK, THE CONTRACTOR SHALL REMOVE, MODIFY AND REINSTALL AS REQUIRED TO MAINTAIN FUNCTIONS WITH THE NEW ALTERATIONS.

REFLECTED CEILING LEGEND

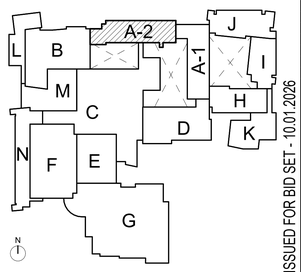
- EXISTING RECESSED 2'x4' LIGHT FIXTURE
- EXISTING RECESSED 2'x2' LIGHT FIXTURE
- EXISTING 2'x2' ACOUSTICAL CEILING TILES
- EXISTING 2'x4' ACOUSTICAL CEILING TILES
- EXISTING PERFORATED SUPPLY GRILLE
- EXISTING DIFFUSER
- EXISTING EXHAUST VENT
- NEW PENDANT LIGHT FIXTURE
- REMOVE AND REINSTALL EXISTING CEILINGS AND LIGHTS FOR ABOVE CEILING MECHANICAL WORK. HATCHED AREAS SHOWN FOR REFERENCE ONLY. CONTRACTOR TO COORDINATE WITH MECHANICAL DRAWINGS AND REMOVE/REINSTALL CEILINGS/LIGHTS TO EXTENT REQUIRED TO ACCOMPLISH MECHANICAL WORK.

LIGHTING LABEL LEGEND

N	NEW FIXTURE, REFER TO ELECTRICAL
R	RELOCATED FIXTURE, REFER TO ELECTRICAL

NOTE: LIGHTS SHOWN WITHOUT LABELS ARE TO BE ASSUMED EXISTING TO REMAIN. WHERE WORK REQUIRES THE REMOVAL AND REINSTALLATION OF EXISTING LIGHTS NOT LABELED, THE CONTRACTOR WILL BE RESPONSIBLE TO DO SO AT NO ADDITIONAL COST TO THE OWNER.

KEY PLAN



CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

EAST AURORA SCHOOL DISTRICT #131
EAHS MECHANICAL IMPROVEMENTS - PHASE III
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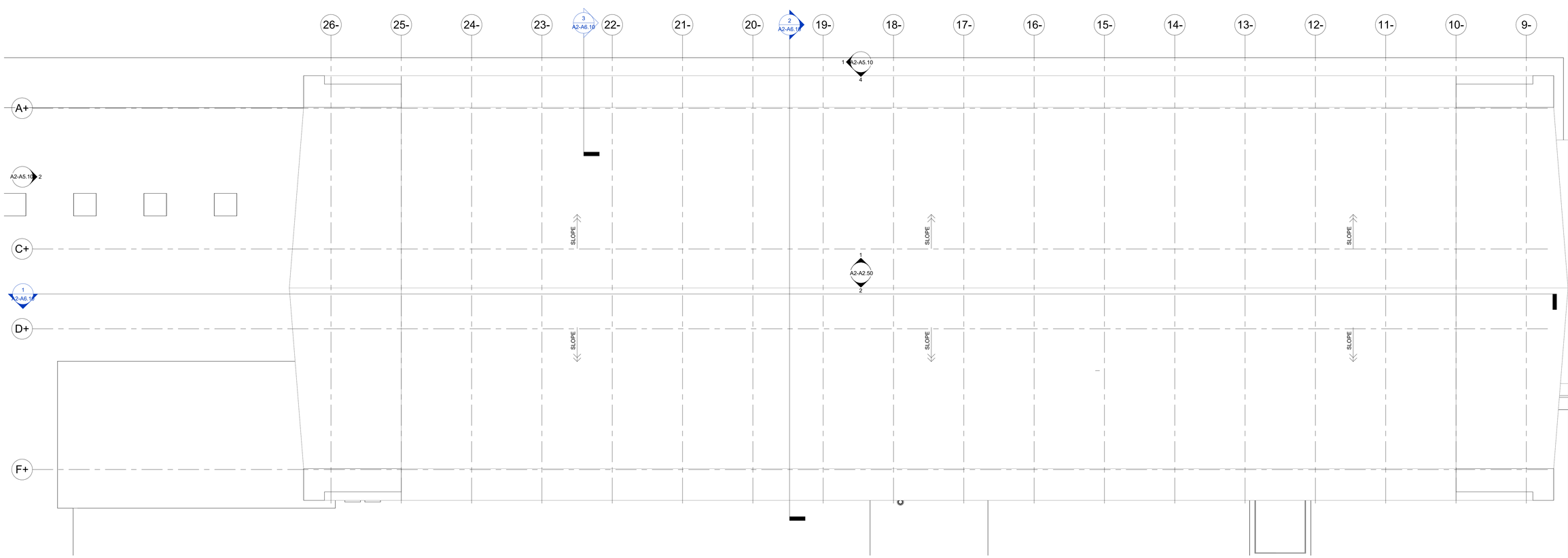
#	Description	Date

DRAWING TITLE:
AREA A-2 - SECOND FLOOR - REFLECTED CEILING PLAN

A2-A3.12

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NORTH 1 AREA A-2 - ROOF PLAN
1/8" = 1'-0"

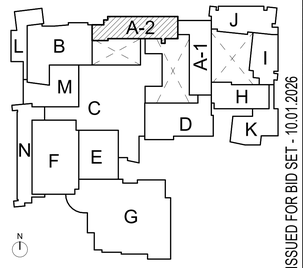
SYMBOLS AND ABBREVIATIONS

- RD OD — EXISTING ROOF DRAIN/ OVERFLOW DRAIN TO REMAIN
- EF/GV — EXISTING ROOF MOUNTED EXHAUST FAN/ GRAVITY VENT TO REMAIN
- VTR/RP — EXISTING VENT THROUGH ROOF/ ROOF PENETRATION TO REMAIN
- LT — EXISTING LIGHT TO REMAIN
- GS — EXISTING GOOSENECK SUPPLY DUCT TO REMAIN
- RTE — EXISTING ROOF TOP EQUIPMENT TO REMAIN
- SL — EXISTING SKYLIGHT TO REMAIN
- SC/DS — EXISTING SCUPPER AND DOWNSPOUT TO REMAIN
- SLOPED — FLAT INSULATION OVER SLOPED STRUCTURE
- AT — ANTENNA
- SADDLE ON HIGH SIDE OF MECHANICAL EQUIPMENT, PROVIDE TYPICAL
- **NEW WORK**
- **EXISTING TO REMAIN**
- EJ — EXPANSION JOINT
- EXISTING CONDUIT PIPE TO REMAIN
- EXISTING GAS LINE TO REMAIN. REMOVE AND REPLACE SURFACE-MOUNTED SUPPORTS AS SPECIFIED
- (N) **NEW ITEM**
- (D) **DEMO EXISTING**
- RH — EXISTING ROOF HATCH TO REMAIN
- RL — EXISTING ROOF LADDER TO REMAIN
- TAPERED INSULATION, 1/4" PER FOOT
- TAPERED INSULATION, 1/2" PER FOOT

GENERAL ROOFING NOTES

1. REFER TO MECHANICAL ROOF PLAN FOR BOILER SYSTEM ROOM PENETRATIONS.
2. PATCH ROOF TO MATCH EXISTING ADJACENT ROOF SYSTEM AS REQUIRED FOR ALL NEW MECHANICAL PENETRATIONS. REFERENCE MECHANICAL DRAWINGS FOR ROOF PENETRATION LOCATIONS, QUANTITIES, AND TYPES
3. ALL MECHANICAL EQUIPMENT INCLUDING INSULATED ROOF CURBS SHALL BE PROVIDED AND INSTALLED. REFER TO MECHANICAL DRAWINGS FOR ROOF PENETRATIONS AND ROOF TOP EQUIPMENT.
4. ALL PLUMBING VENTS SHALL BE PROVIDED AND INSTALLED. REFER TO PLUMBING DRAWINGS FOR ROOF PENETRATIONS AND ROOF TOP EQUIPMENT.
5. ALL ROOF TERMINATIONS AND COUNTERFLASHING AT MECHANICAL AND PLUMBING ROOF PENETRATIONS SHALL BE PROVIDED AND INSTALLED. THE FULL ROOF WARRANTY AND GUARANTEE OF WATER RESISTANCE SHALL BE PROVIDED IN FULL.
6. ALL TAPERED INSULATION, B.U.R. ROOFING, ROOF TERMINATIONS, BLOCKING, COUNTERFLASHING, AND PENETRATION FLASHING SHALL BE PROVIDED.
7. ALL TAPERED INSULATION SHALL PROVIDE A MINIMUM 1/4"=1'-0" SLOPE.
8. ALL INSULATION JOINTS, HORIZONTAL AND VERTICAL, TO BE STAGGERED.
9. ALL ROOF PENETRATIONS, INCLUDING VENT STACKS, ROOF CURBS, AND PIPE SUPPORT CURBS, ARE TO BE A MINIMUM OF 8" ABOVE THE ROOF MEMBRANE.
10. ALL COUNTER FLASHING, COPING, AND MISCELLANEOUS METAL FLASHING PIECES ARE TO HAVE SEALANT APPLIED AT THE END CONDITION.
11. ALL EXPOSED FASTENERS TO BE CORROSIVE RESISTANT, HAVE NEOPRENE WASHERS, AND TO BE COVERED WITH SEALANT FOLLOWING ARCHITECT'S APPROVAL.
12. DRAINS TO BE FLASHED PER MANUFACTURER'S SPECIFICATION.
13. PROVIDE THROUGH-WALL COUNTER-FLASHING FOR ALL VERTICAL FLANGES, END WALL FLASHING, AND ROOF INTERSECTIONS.
14. INSTALL SADDLES ON THE HIGH SIDE OF ALL ROOF PENETRATION DETAILS.
15. ALL OPENINGS FROM REMOVED EQUIPMENT SHALL BE MODIFIED FOR NEW EQUIPMENT OR CLOSED TO MATCH ADJACENT ROOF SYSTEM PER EXISTING ROOF MANUFACTURER'S WARRANTY REQUIREMENTS.
16. REFER TO MECHANICAL & PLUMBING DRAWINGS FOR FULL SCOPE OF ROOF PENETRATIONS. COORDINATE ALL FLASHINGS W/ OTHER TRADES, TYP.
17. PROVIDE NEW EQUIPMENT CURBS AND REQUIRED STRUCTURAL REINFORCING AT ALL NEW ROOF TOP UNITS.

KEY PLAN



CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

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DRAWING TITLE: AREA A-2 - ROOF PLAN

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GENERAL NOTES EXTERIOR ELEVATION

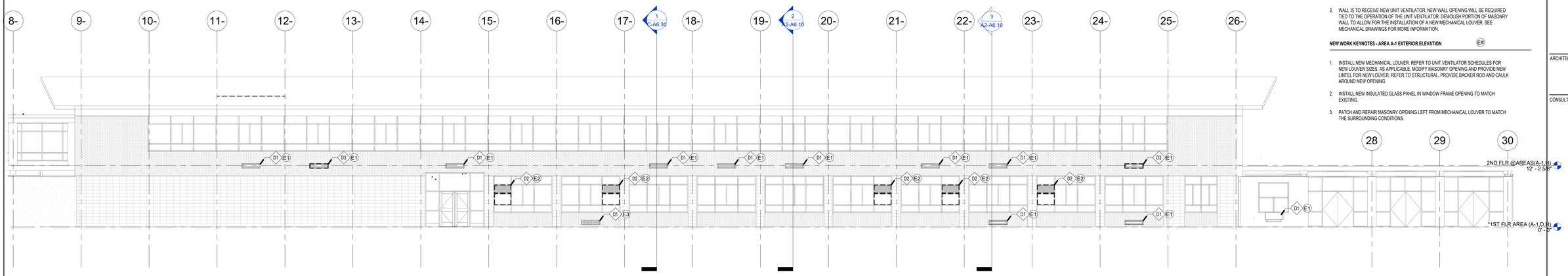
1. CONTRACTOR TO VERIFY QUANTITY OF MECHANICAL LOUVERS.
2. PATCH, MATCH, SEAL CONSTRUCTION TO ACHIEVE A WATER-TIGHT FIT AT WORK AS REQUIRED.
3. REFER TO INTERIOR ELEVATIONS FOR COORDINATION WITH UNIT VENTILATOR INSTALLATION.

DEMOLITION KEYNOTES - AREA A-2 EXTERIOR ELEVATION (D#)

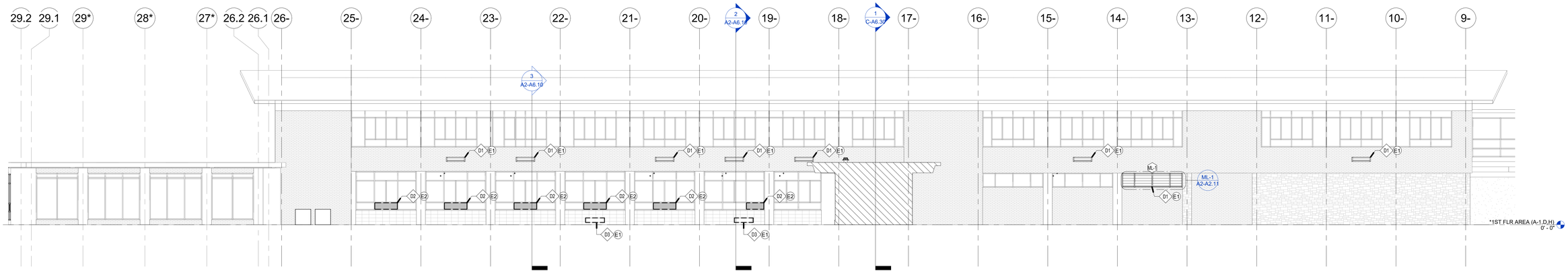
1. REMOVE EXISTING MECHANICAL LOUVER.
2. REMOVE WINDOW AIR CONDITIONING UNIT MOUNTED IN EXISTING INSULATED METAL PANEL. REPLACE INSULATED METAL PANEL WITH INSULATED GLASS PANEL IN WINDOW FRAME OPENING TO MATCH EXISTING TO THE DASHED EXTENTS SHOWN. RETURN UNITS REQUESTED BY THE DISTRICT TO THE DISTRICT, DISPOSE OF ANY UNITS NOT REQUESTED BY DISTRICT AND PREP FRAME FOR NEW CONDITION. NOTE: ALL WINDOW A/C UNITS, WHETHER SHOWN OR NOT, ARE INTENDED TO BE REMOVED BY CONTRACTOR.
3. WALL IS TO RECEIVE NEW UNIT VENTILATOR. NEW WALL OPENING WILL BE REQUIRED TIED TO THE OPERATION OF THE UNIT VENTILATOR. DEMOLISH PORTION OF MASONRY WALL TO ALLOW FOR THE INSTALLATION OF A NEW MECHANICAL LOUVER. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.

NEW WORK KEYNOTES - AREA A-1 EXTERIOR ELEVATION (E#)

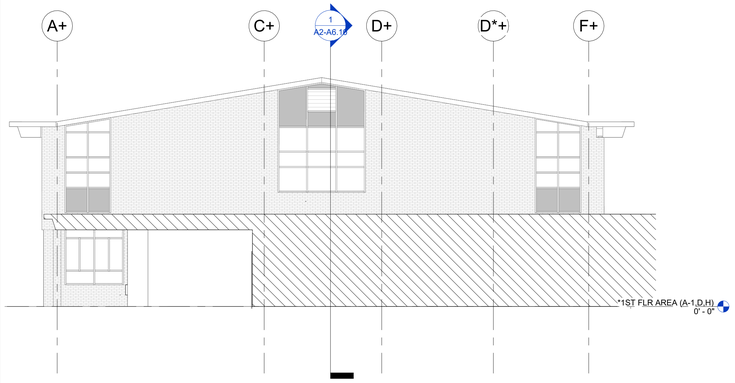
1. INSTALL NEW MECHANICAL LOUVER. REFER TO UNIT VENTILATOR SCHEDULES FOR NEW LOUVER SIZES. AS APPLICABLE, MODIFY MASONRY OPENING AND PROVIDE NEW LINTEL FOR NEW LOUVER. REFER TO STRUCTURAL. PROVIDE BACKER ROD AND CAULK AROUND NEW OPENING.
2. INSTALL NEW INSULATED GLASS PANEL IN WINDOW FRAME OPENING TO MATCH EXISTING.
3. PATCH AND REPAIR MASONRY OPENING LEFT FROM MECHANICAL LOUVER TO MATCH THE SURROUNDING CONDITIONS.



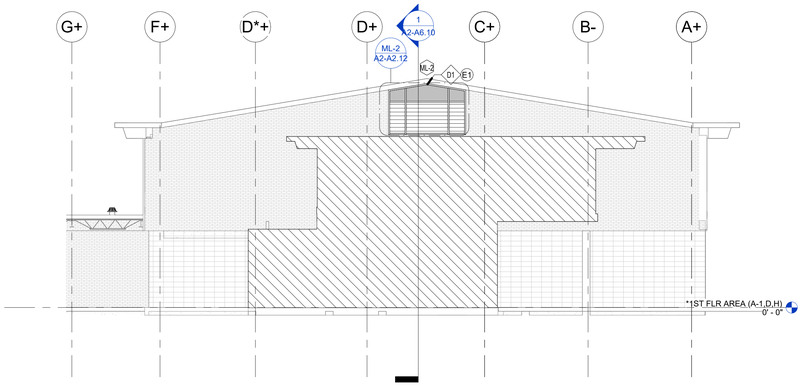
4 AREA A-2 - NORTH ELEVATION
1/8" = 1'-0"



3 AREA A-2 - SOUTH ELEVATION
1/8" = 1'-0"

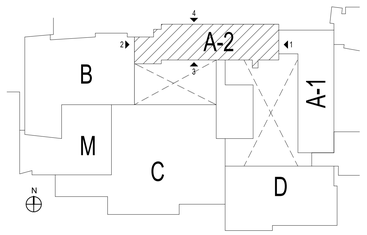


2 AREA A-2 - WEST ELEVATION
1/8" = 1'-0"



1 AREA A-2 - EAST ELEVATION
1/8" = 1'-0"

KEY PLAN



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CONSULTANTS:

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EAHS MECHANICAL IMPROVEMENTS - PHASE III
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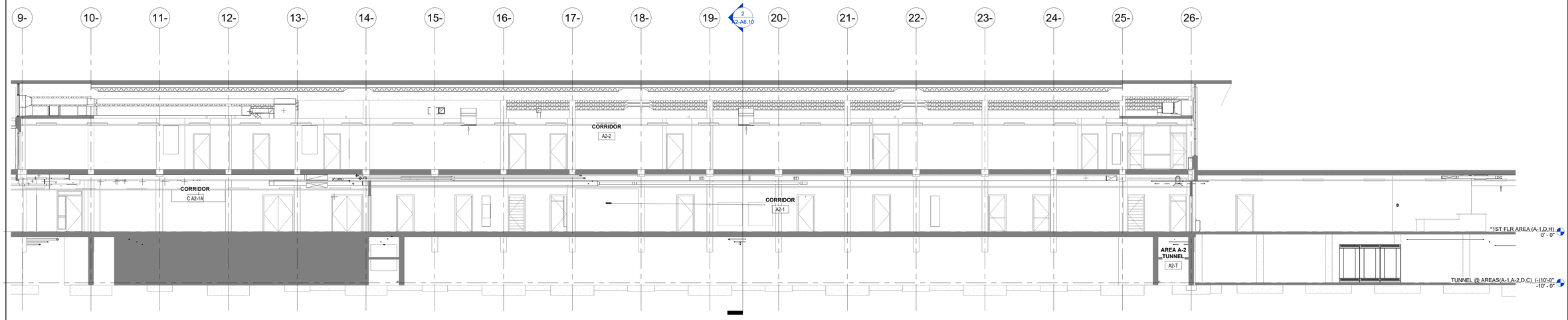
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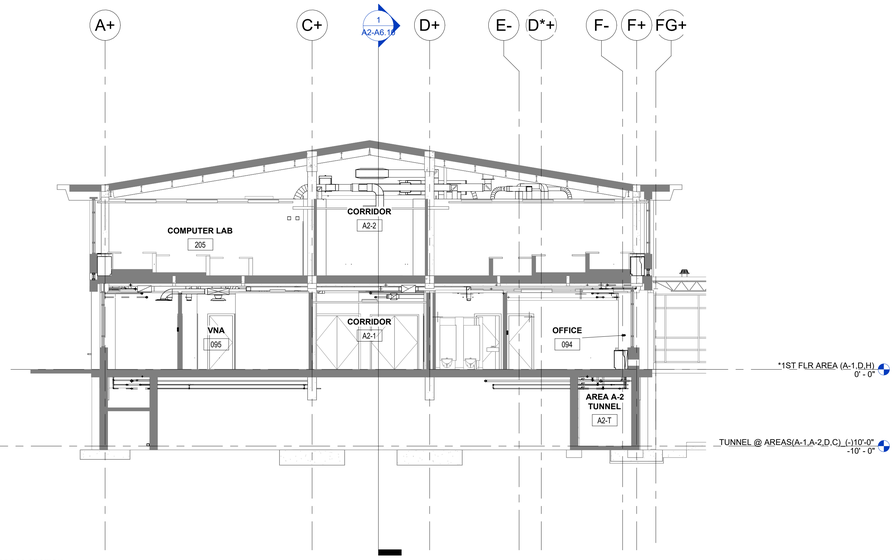
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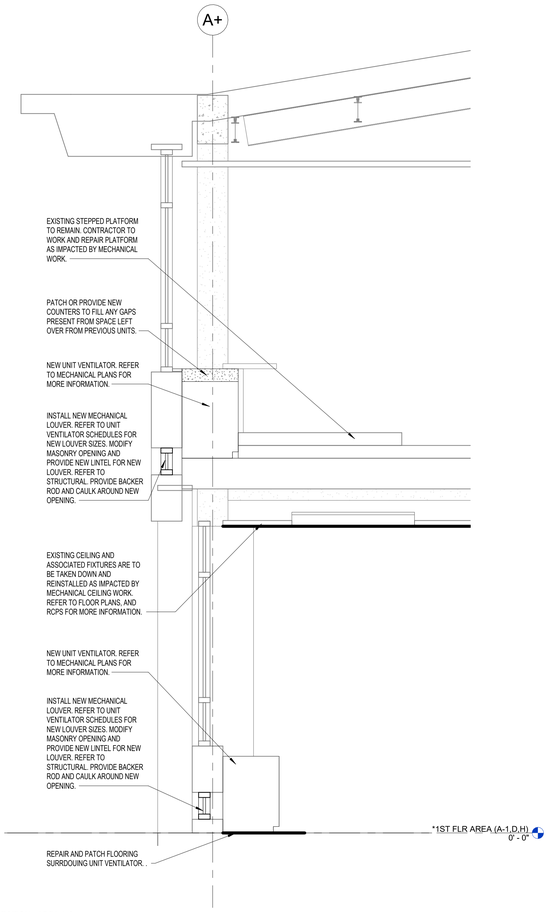
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1 AREA A-2 - BUILDING SECTION
1/8" = 1'-0"

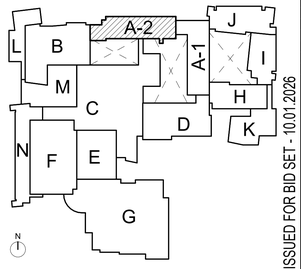


2 AREA A-2 - CROSS SECTION
1/8" = 1'-0"



3 WALL SECTION - AREA A-2
1/2" = 1'-0"

KEY PLAN



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ARCHITECT:

CONSULTANTS:

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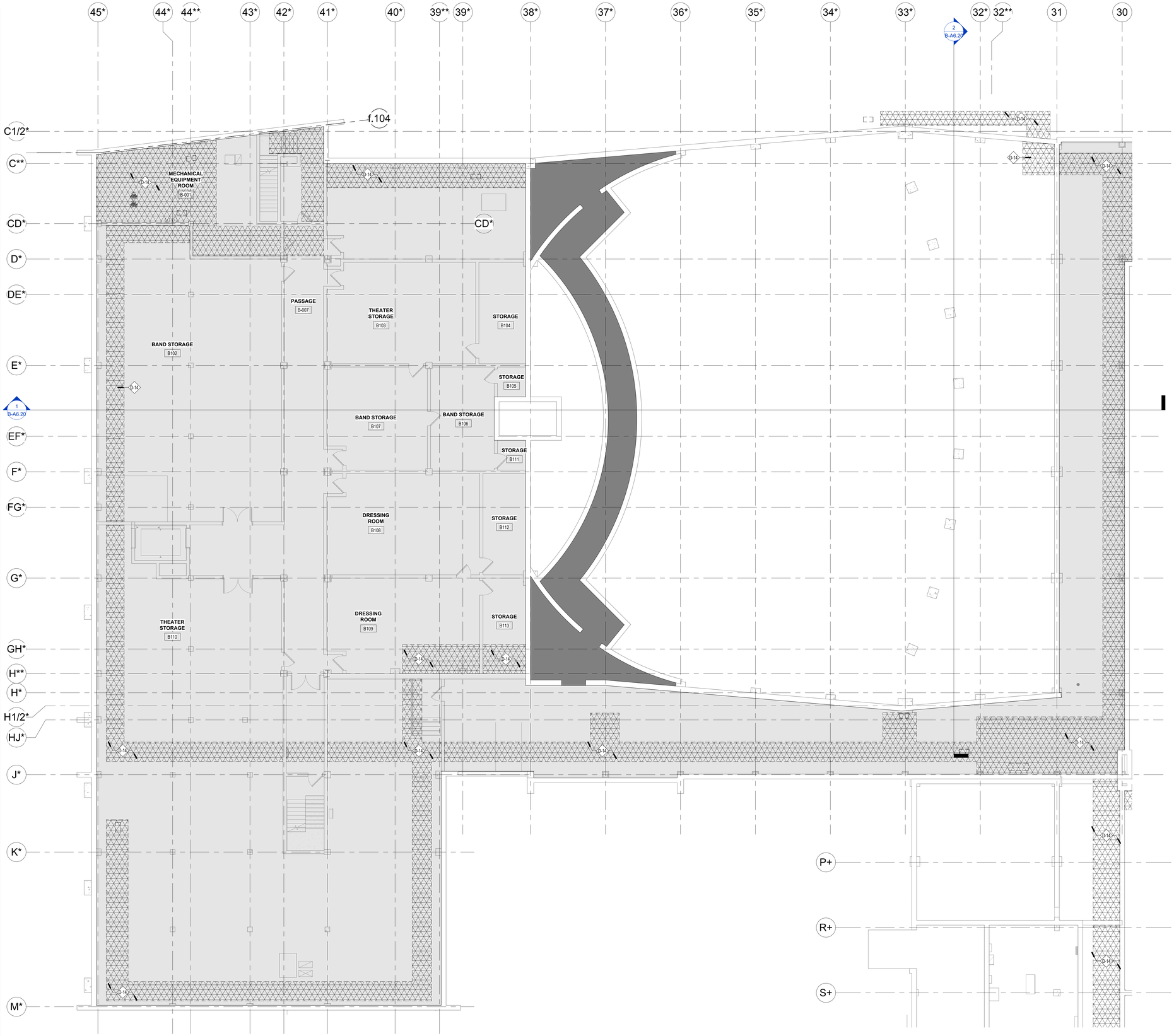
#	Description	Date

DRAWING TITLE:
AREA A-2 - BUILDING SECTIONS

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NORTH

1 AREA B - TUNNEL - DEMOLITION PLAN

1/8" = 1'-0"

GENERAL NOTES

1. REFER TO DRAWING G1.00 FOR FULL GENERAL DEMOLITION NOTES.
2. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR FULL MECHANICAL, PLUMBING, AND ELECTRICAL DEMOLITION SCOPE OF WORK.
3. IN AREAS WHERE EXISTING WALLS, PARTITIONS, ETC. ARE TO BE REMOVED, IT SHALL BE NECESSARY TO REPAIR EXISTING CEILINGS, ADJUST AND RELOCATE OR REWIRE LIGHTING FIXTURES, AND REMOVE OR RELOCATE ELECTRICAL AND MECHANICAL COMPONENTS AS REQUIRED OR DIRECTED. DEMOLITION AREAS SHOWN ON PLAN ARE REPRESENTATIONAL ONLY AND SHOULD NOT BE CONSIDERED ALL ENCOMPASSING. CONTRACTOR WILL BE RESPONSIBLE FOR ALL REMOVAL AND REPLACEMENT OF ADJACENT CONSTRUCTION NECESSARY TO COMPLETE THE WORK.
4. WASH AND CLEAN ALL EXISTING INTERIOR HVAC GRILLES AND DIFFUSERS WHICH ARE TO REMAIN (CEILING AND WALL-MOUNTED, AND FREESTANDING AT EXPOSED CONSTRUCTION).
5. EXISTING WALLS, FLOORS, AND CEILINGS WHICH ARE DAMAGED AND ARE TO REMAIN SHALL BE PATCHED AND REBUILT AS REQUIRED TO MATCH SURROUNDING CONSTRUCTION, AT NO ADDITIONAL COST TO THE OWNER.
6. ACTIVE PIPES, CONDUITS, AND OTHER UTILITIES OF ALL TYPES, WHETHER SHOWN IN THE CONSTRUCTION DOCUMENTS OR NOT, MUST BE PROTECTED AT ALL TIMES DURING THE CONSTRUCTION OF THE WORK. EXTREME CARE SHALL BE EXERCISED AT ALL TIMES NOT TO DAMAGE ANY SUCH PIPES AND CONDUITS. WHERE DAMAGE OCCURS, CONTRACTOR CAUSING THE DAMAGE SHALL REPAIR SUCH DAMAGE IN A MANNER APPROVED BY THE ARCHITECT AND OWNER, AND AT NO CHANGE IN THE CONTRACT PRICES OF CONTRACTOR.
7. IN AREAS WHERE EXISTING DOORS, WINDOWS, ETC. ARE REQUIRED TO BE REMOVED TO DISPOSE OF EXISTING MECHANICAL SYSTEM, CONTRACTORS MUST REINSTALL, REPAIR, OR REBUILD CONDITION TO MATCH SURROUNDING CONSTRUCTION OR BETTER, AT NO ADDITIONAL COST TO THE OWNER.
8. ALL SUPPLY AND RETURN DIFFUSERS NOT ORIGINAL TO BUILDING AND ARE BEING ABANDONED SHALL BE REMOVED.
9. ALL CORING REQUIRED FOR NEW WORK IS TO BE INCLUDED IN THE BASE BID. ALL PENETRATIONS TO BE COORDINATED WITH ADJACENT STRUCTURE. REFER TO ROOM FINISH SCHEDULE FOR EXISTING WALL/ FLOOR/ CEILING MATERIALS. NO EXTRAS WILL BE CONSIDERED FOR MULTIPLE PASSES REQUIRED TO CORE THROUGH MULTIPLE MATERIALS. CLEANING OF ALL DEBRIS AND WET DRILL RUNOFF WILL BE REQUIRED TO RESTORE ADJACENT CONSTRUCTION TO ITS FORMER CONDITION.
10. PROTECT ALL FLOORS THROUGHOUT THE PROJECT PER THE GENERAL NOTES ON G1.00. ANY DAMAGE TO EXISTING FLOORS MUST BE REPLACED, IN KIND, AT THE EXPENSE OF THE CONTRACTOR CAUSING THE DAMAGE.
11. ALL PENETRATIONS THROUGH WALLS, FLOORS, CEILINGS ARE TO BE FIRE CAULKED. ALL FIRESTOPPING/CAULKING IS TO BE COMPLETED PRIOR TO THE INSTALLATION OF NEW CEILINGS.

DEMOLITION KEYNOTES - AREA B

D#

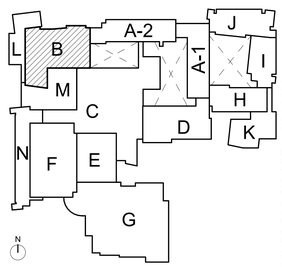
1. REMOVE EXISTING FIN TUBE IN ITS ENTIRETY, PIPES, CONDUITS, AND OTHER UTILITIES SHALL BE REMOVED. FLOOR, WALLS, CEILINGS AFFECTED BY ITS DEMOLITION SHALL BE PATCHED AND REBUILT TO MATCH THE SURROUNDING CONSTRUCTION. PREP AREA TO RECEIVE NEW RADIANT PANELS. SEE DEMOLITION INTERIOR ELEVATIONS AND SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
2. REMOVE EXISTING CABINET UNIT HEATER IN ITS ENTIRETY, PIPES, CONDUITS, AND OTHER UTILITIES SHALL BE REMOVED. FLOORS, WALLS, CEILINGS AFFECTED BY ITS DEMOLITION SHALL BE PATCHED AND REBUILT TO MATCH SURROUNDING CONSTRUCTION. PREP AREA TO RECEIVE NEW RADIANT PANELS.
3. REMOVE EXISTING UNIT VENTILATOR IN ITS ENTIRETY, PIPES, CONDUITS, AND OTHER UTILITIES SHALL BE REMOVED. FLOORS, WALLS, CEILINGS AFFECTED BY ITS DEMOLITIONS SHALL BE PATCHED AND REBUILT TO MATCH SURROUNDING CONDITIONS. PREP AREA TO RECEIVE NEW RADIANT PANELS. SEE DEMOLITION INTERIOR ELEVATIONS AND SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
4. REMOVE EXISTING EXHAUST FAN IN MECHANICAL FAN ROOM IN ITS ENTIRETY. INCLUDING ALL ASSOCIATED DUCTWORK AND CONTROLS. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
5. REMOVE EXISTING MECHANICAL LOUVER TIED TO DEMOLISHED MECHANICAL UNIT. PREP MASONRY OPENING TO RECEIVE NEW LOUVER. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
6. REMOVE EXISTING PNEUMATIC CONTROLS. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
7. REMOVE EXISTING ROOFTOP UNIT IN ITS ENTIRETY. INCLUDING ALL ASSOCIATED DUCTWORK, PIPING, AND CONTROLS. PREP AREA TO RECEIVE NEW ROOFTOP UNIT WITH STANDARD CURB. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
8. REMOVE EXISTING AIR HANDLING UNIT IN ITS ENTIRETY. INCLUDING ALL ASSOCIATED PIPING, DUCTWORK, CONTROLS AND CURBS. PREP AREA TO RECEIVE NEW AIR HANDLING UNITS. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
9. REMOVE EXISTING COOLING TOWERS IN THEIR IN ENTIRETY. INCLUDING ALL ASSOCIATED PIPING AND CONTROLS. PREP AREA TO RECEIVE NEW CHILLERS. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
10. REMOVE EXISTING STRUCTURAL PLATFORM IN ITS ENTIRETY. INCLUDING METAL GRATING, PIPE COLUMNS, SUPPORTS, AND RAILINGS. PREP AREA TO RECEIVE NEW PLATFORMS AND SUPPORTS. PORTION OF ROOF AFFECTED BY REMOVAL OF SUPPORTS IS TO BE PATCHED AND REPAIRED. SEE STRUCTURAL DRAWINGS FOR MORE INFORMATION.
11. REMOVE EXISTING UNIT HEATER NEAR THE CATWALK LEVEL IN ITS ENTIRETY. INCLUDING ALL ASSOCIATED PIPING AND CONTROLS. PREP AREA TO RECEIVE NEW UNIT HEATER. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
12. REMOVE EXISTING UNUSED DUCT IN ITS ENTIRETY. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
13. EXISTING DOOR AND WINDOW SYSTEM AND ASSOCIATED TRIM TO BE REMOVED IN ITS ENTIRETY. PREP FOR NEW CONDITION. AREA TO RECEIVE NEW DOOR AND WINDOW STOREFRONT SYSTEM. REFER TO NEW WORK PLANS, FRAME ELEVATIONS, EXTERIOR ELEVATIONS, AND DOOR SCHEDULE FOR MORE INFORMATION.
14. REMOVE EXISTING STEAM AND CONDENSATE PIPING INCLUDING ALL ASSOCIATED TRAPS, HANGERS, AND SUPPORTS IN THEIR ENTIRETY WITHIN THE HATCHED REGION (TRIANGLE PATTERN) SHOWN. THE TUNNEL LEGEND DENOTES AREAS OF THE TUNNELS THAT ARE CRAWL SPACES AND WALKABLE SPACES, FOR REFERENCE ONLY. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
15. REMOVE EXISTING PORTION OF CEILING IN ITS ENTIRETY WITHIN THE HATCHED REGION (DIAMOND PATTERN) SHOWN. PREP FOR NEW CONDITION. CEILING IS TO RECEIVE NEW SOFFIT TO ACCOMMODATE NEW CABINET UNIT HEATER AND ASSOCIATED PIPING. SEE REFLECTED CEILING PLANS AND MECHANICAL DRAWINGS FOR MORE INFORMATION.

TUNNEL LEGEND

CRAWL SPACE

WALKABLE SPACE

KEY PLAN



CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

EAST AURORA SCHOOL DISTRICT #131
EAHS MECHANICAL IMPROVEMENTS - PHASE III
500 TOMCAT LN.
AURORA, IL 60506

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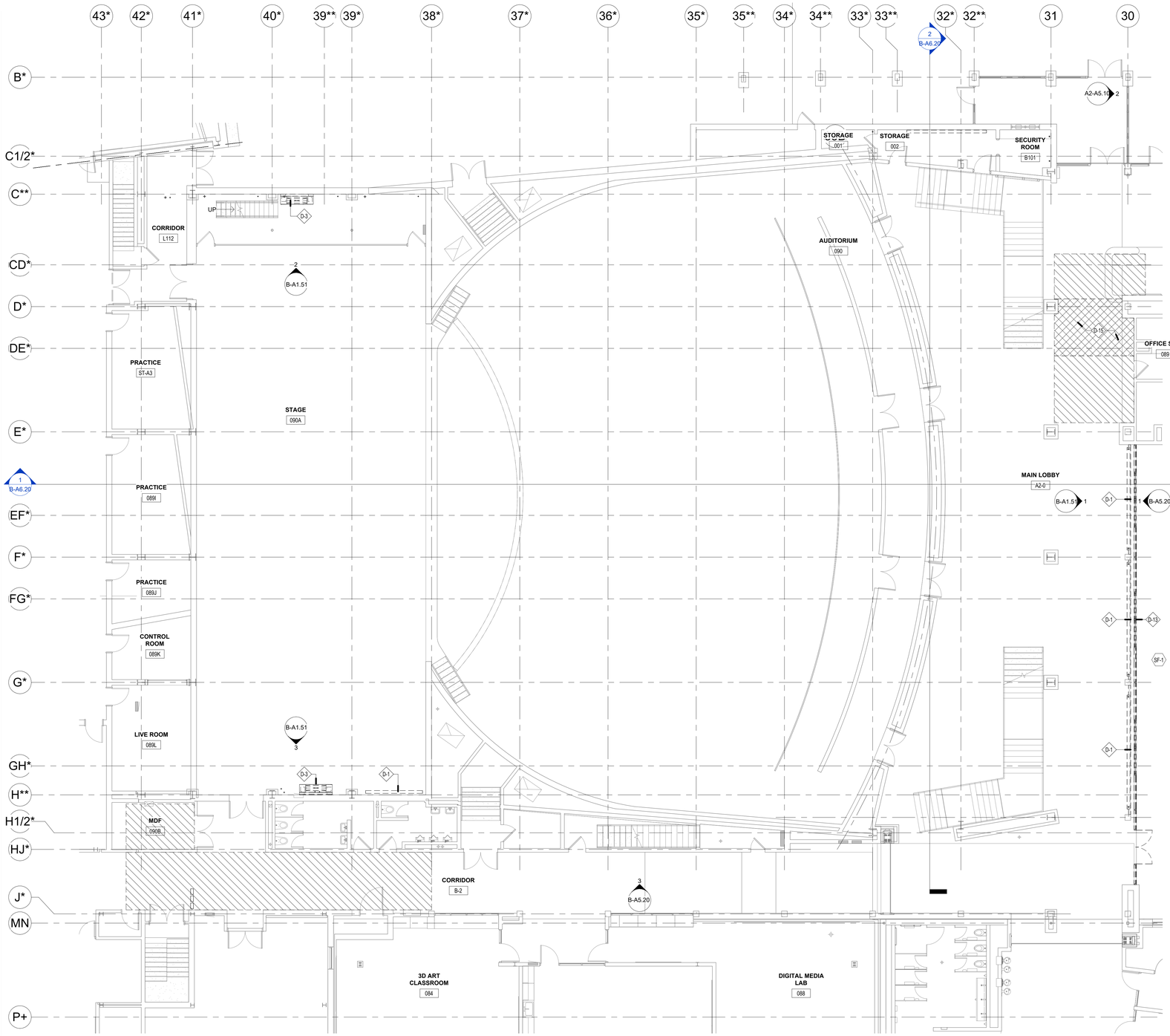
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DRAWING TITLE:
AREA B - TUNNEL - DEMOLITION PLAN

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NORTH 1 AREA B - FIRST FLOOR - DEMOLITION PLAN
1/8" = 1'-0"

GENERAL NOTES

1. REFER TO DRAWING G1.00 FOR FULL GENERAL DEMOLITION NOTES.
2. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR FULL MECHANICAL, PLUMBING, AND ELECTRICAL DEMOLITION SCOPE OF WORK.
3. IN AREAS WHERE EXISTING WALLS, PARTITIONS, ETC. ARE TO BE REMOVED, IT SHALL BE NECESSARY TO REPAIR EXISTING CEILINGS, ADJUST AND RELOCATE OR REWIRE LIGHTING FIXTURES, AND REMOVE OR RELOCATE ELECTRICAL AND MECHANICAL COMPONENTS AS REQUIRED OR DIRECTED. DEMOLITION AREAS SHOWN ON PLAN ARE REPRESENTATIONAL ONLY AND SHOULD NOT BE CONSIDERED ALL ENCOMPASSING. CONTRACTOR WILL BE RESPONSIBLE FOR ALL REMOVAL AND REPLACEMENT OF ADJACENT CONSTRUCTION NECESSARY TO COMPLETE THE WORK.
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DEMOLITION KEYNOTES - AREA B

D#

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7. REMOVE EXISTING ROOFTOP UNIT IN ITS ENTIRETY. INCLUDING ALL ASSOCIATED DUCTWORK, PIPING, AND CONTROLS. PREP AREA TO RECEIVE NEW ROOFTOP UNIT WITH STANDARD CURB. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
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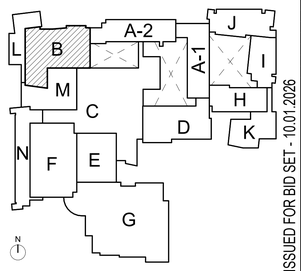
FLOOR PLAN LEGEND - CEILING REMOVAL

REMOVE EXISTING CEILINGS AND LIGHTS AS REQUIRED FOR ABOVE CEILING MECHANICAL WORK. HATCHED AREAS ARE SHOWN ONLY FOR REFERENCE. CONTRACTOR IS TO COORDINATE WITH MECHANICAL DRAWINGS AND REMOVE CEILINGS AND LIGHTS TO EXTENT REQUIRED TO ACCOMPLISH MECHANICAL WORK. CAREFULLY SALVAGE ALL CEILINGS AND CEILING MOUNTED EQUIPMENT INCLUDING BUT NOT LIMITED TO LIGHTS, SMOKE DETECTORS, WAPS, PROJECTORS, ETC. FOR REINSTALLATION. REFER TO REFLECTED CEILING PLANS FOR EXISTING CEILING MATERIALS (NOT SHOWN HERE FOR CLARITY).

ABATEMENT COORDINATION NOTE

WINDOWS, FRAMES, AND CAULKING AT PERIMETER OF STOREFRONT (AREA B) TO BE DEMOLISHED BY ABATEMENT CONTRACTOR UNDER A SEPARATE CONTRACT. COORDINATE NEW WINDOW WORK WITH ABATEMENT CONTRACTOR TO LEAVE BUILDING SECURE AND WATER TIGHT AT THE END OF EACH DAY.

KEY PLAN



CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

EAST AURORA SCHOOL DISTRICT #131
EAHS MECHANICAL IMPROVEMENTS - PHASE III
500 TOMCAT LN.
AURORA, IL 60506

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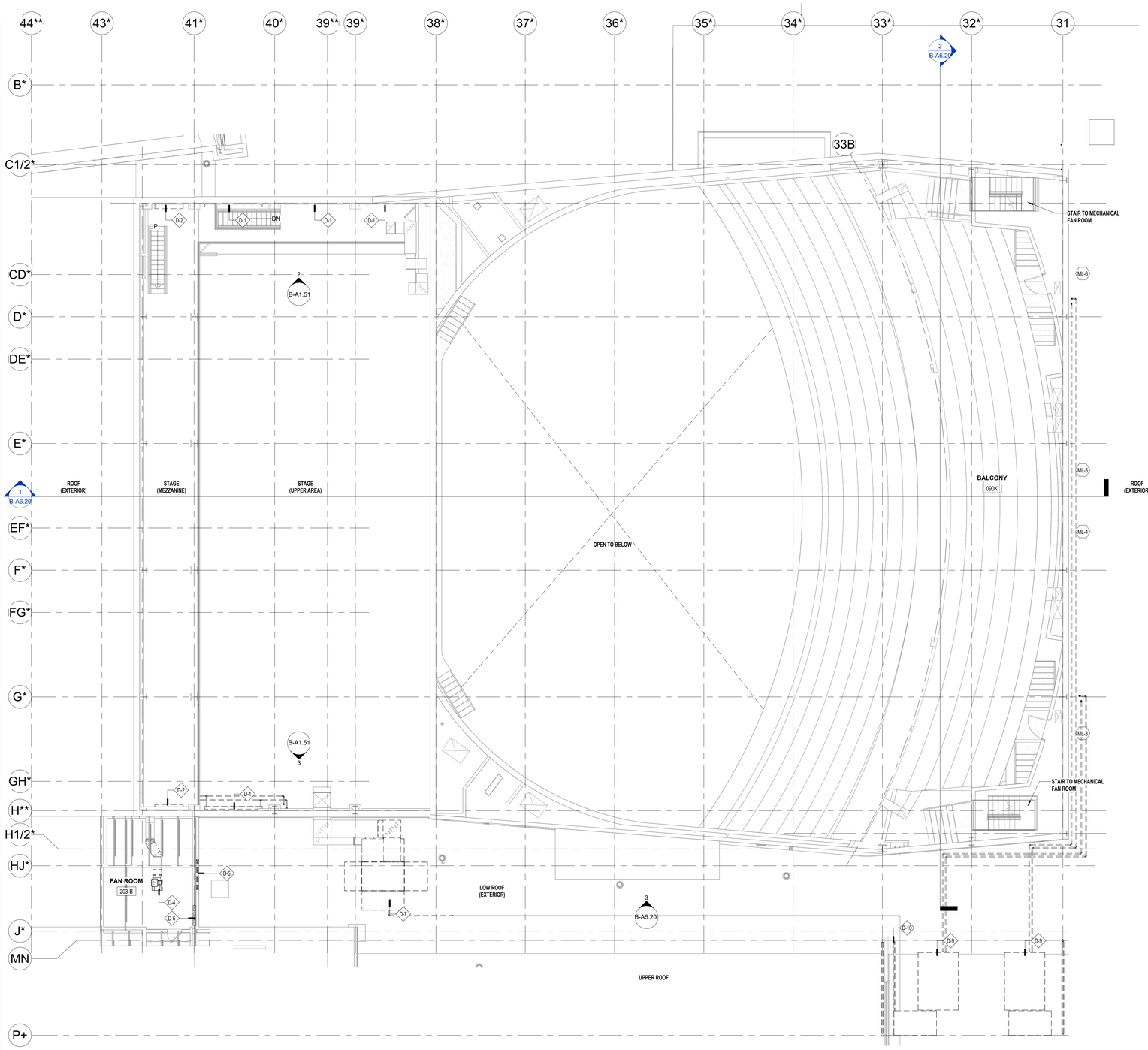
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DRAWING TITLE: AREA B - FIRST FLOOR - DEMOLITION PLAN

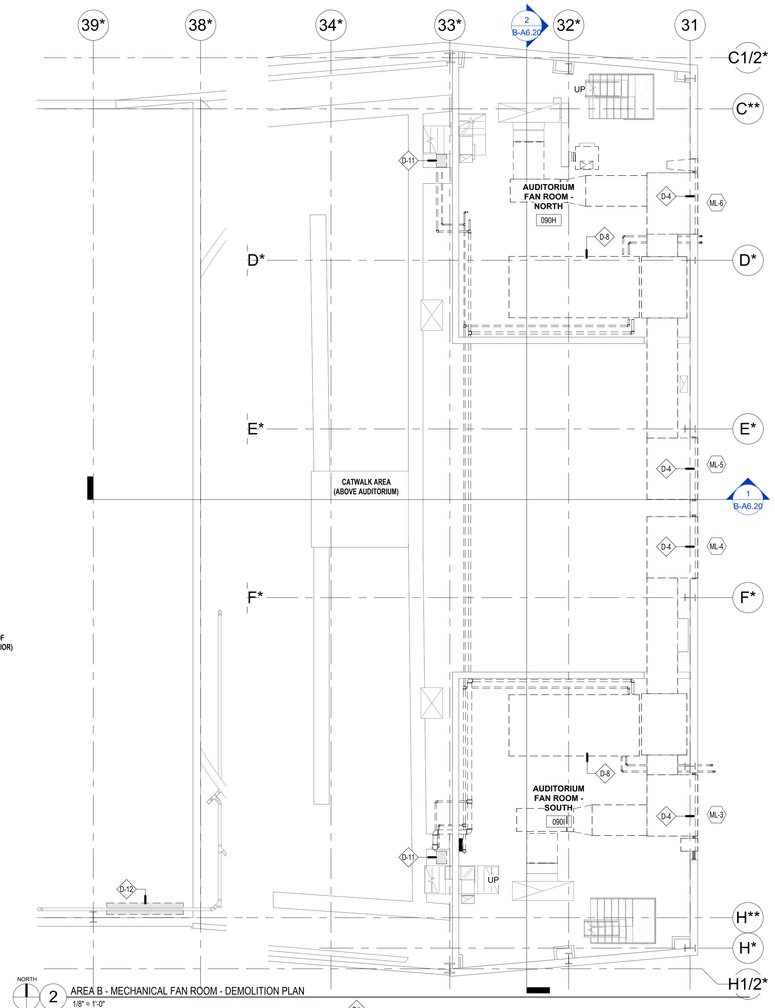
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NORTH 1 AREA B - SECOND FLOOR - DEMOLITION PLAN
1/8" = 1'-0"



NORTH 2 AREA B - MECHANICAL FAN ROOM - DEMOLITION PLAN
1/8" = 1'-0"

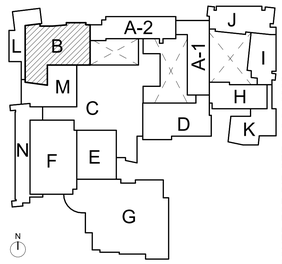
DEMOLITION KEYNOTES - AREA B D#

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KEY PLAN



ISSUED FOR BID SET - 10.01.2026

10/1/2026 2:32:21 PM

CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

EAST AURORA SCHOOL DISTRICT #131
EAHS MECHANICAL IMPROVEMENTS - PHASE III
500 TOMCAT LN.
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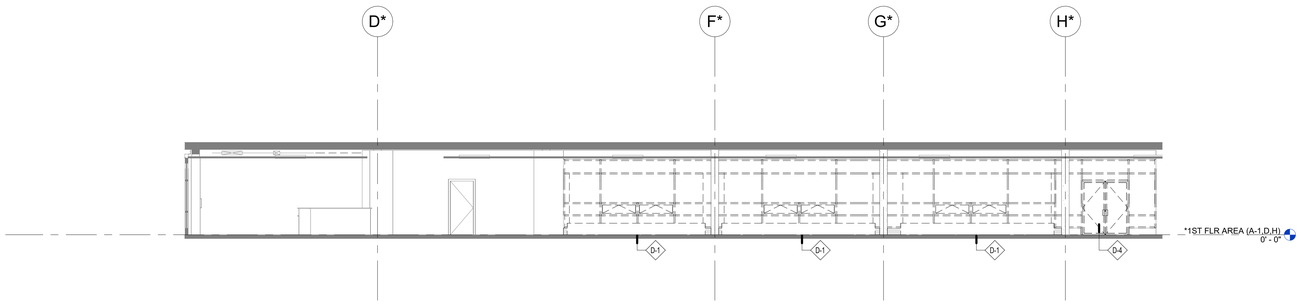
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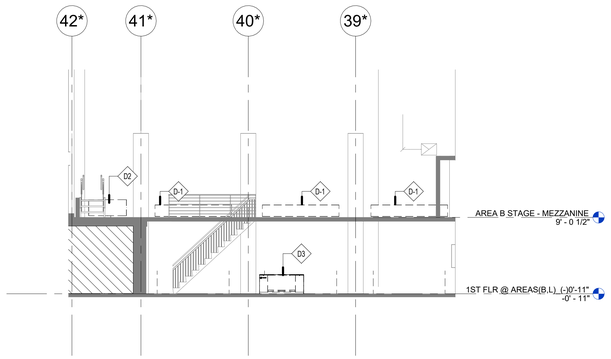
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AREA B - SECOND FLOOR - DEMOLITION PLAN

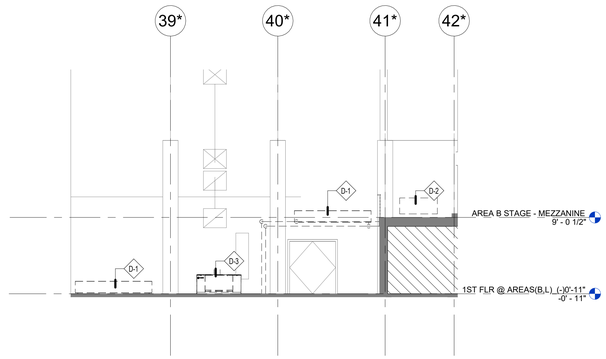
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1 AREA B - INTERIOR WEST ELEVATION - DEMOLITION
1/8" = 1'-0"



2 AREA B - STAGE NORTH - INTERIOR ELEVATION - DEMOLITION
1/8" = 1'-0"



3 AREA B - STAGE SOUTH - INTERIOR ELEVATION - DEMOLITION
1/8" = 1'-0"

GENERAL NOTES

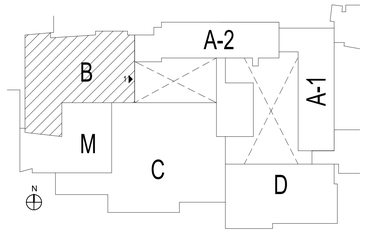
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DEMOLITION KEYNOTES - AREA B INTERIOR ELEVATIONS

D#

1. REMOVE EXISTING FIN TUBE IN ITS ENTIRETY. PIPES, CONDUITS, AND OTHER UTILITIES SHALL BE REMOVED. FLOOR, WALLS, CEILINGS AFFECTED BY ITS DEMOLITION SHALL BE PATCHED AND REBUILT TO MATCH THE SURROUNDING CONSTRUCTION. PREP AREA TO RECEIVE NEW RADIANT PANELS. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
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3. REMOVE EXISTING UNIT VENTILATOR IN ITS ENTIRETY, PIPES, CONDUITS, AND OTHER UTILITIES SHALL BE REMOVED. FLOORS, WALLS, CEILINGS AFFECTED BY ITS DEMOLITIONS SHALL BE PATCHED AND REBUILT TO MATCH SURROUNDING CONDITIONS. PREP AREA TO RECEIVE NEW RADIANT PANELS. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
4. EXISTING DOOR AND WINDOW SYSTEM AND ASSOCIATED TRIM TO BE REMOVED IN ITS ENTIRETY. PREP FOR NEW CONDITION. AREA TO RECEIVE NEW DOOR AND WINDOW STOREFRONT SYSTEM. REFER TO NEW WORK PLANS, EXTERIOR ELEVATIONS, AND DOOR SCHEDULE FOR MORE INFORMATION.

KEY PLAN



CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

EAST AURORA SCHOOL DISTRICT #131
EAHS MECHANICAL IMPROVEMENTS - PHASE III
500 TOMCAT LN.
AURORA, IL 60506

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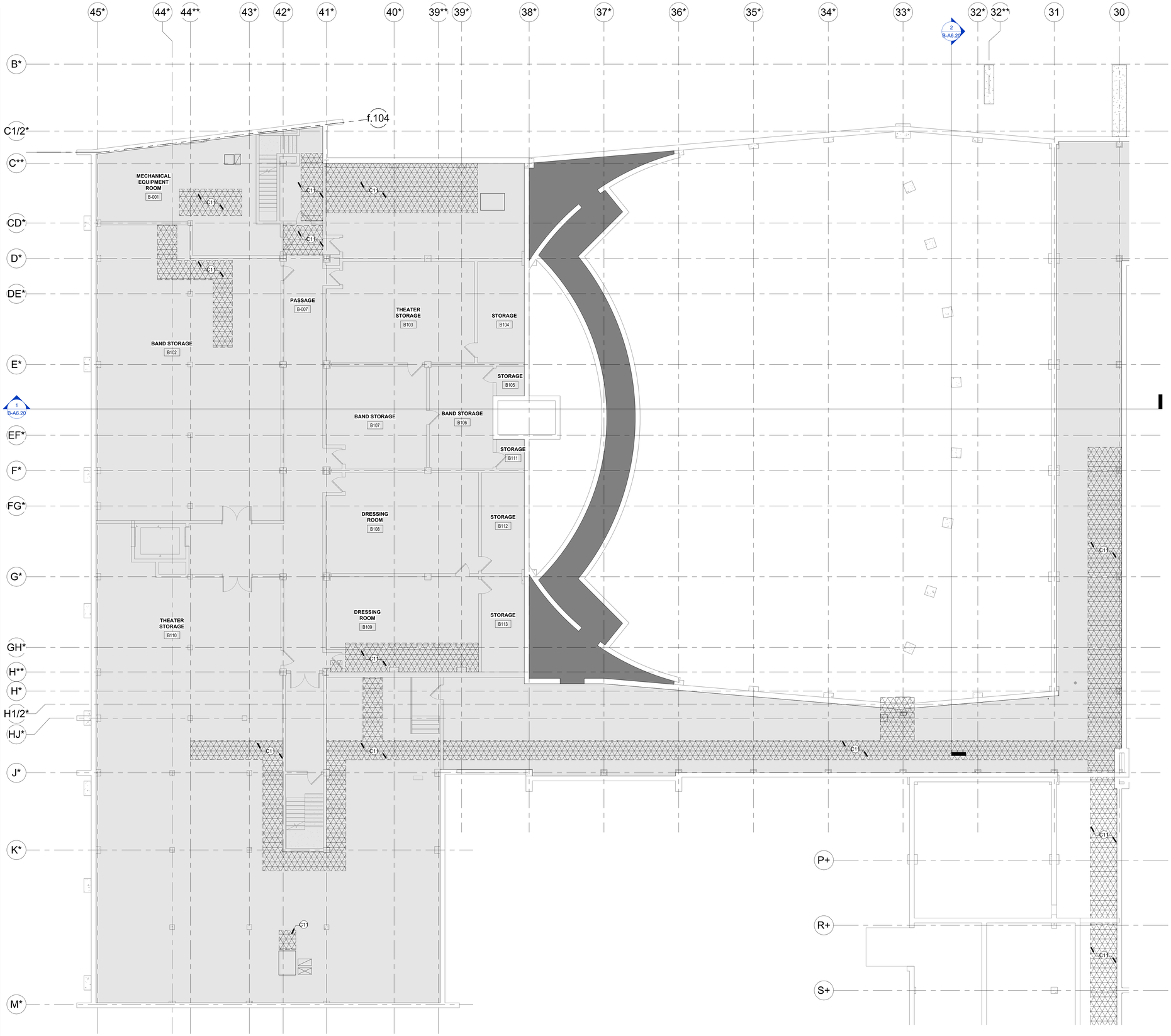
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DRAWING TITLE:
AREA B - INTERIOR ELEVATIONS - DEMOLITION

B-A1.51

ISSUED FOR BID SET - 10.01.2026

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NORTH

1 AREA B - TUNNEL PLAN
1/8" = 1'-0"

GENERAL NOTES

1. REFER TO DRAWING G1.00 FOR FULL GENERAL DEMOLITION NOTES.
2. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR FULL MECHANICAL, PLUMBING, AND ELECTRICAL DEMOLITION SCOPE OF WORK.
3. IN AREAS WHERE EXISTING WALLS, PARTITIONS, ETC. ARE TO BE REMOVED, IT SHALL BE NECESSARY TO REPAIR EXISTING CEILINGS, ADJUST AND RELOCATE OR REWIRE LIGHTING FIXTURES, AND REMOVE OR RELOCATE ELECTRICAL AND MECHANICAL COMPONENTS AS REQUIRED OR DIRECTED. DEMOLITION AREAS SHOWN ON PLAN ARE REPRESENTATIONAL ONLY AND SHOULD NOT BE CONSIDERED ALL ENCOMPASSING. CONTRACTOR WILL BE RESPONSIBLE FOR ALL REMOVAL AND REPLACEMENT OF ADJACENT CONSTRUCTION NECESSARY TO COMPLETE THE WORK.
4. WASH AND CLEAN ALL EXISTING INTERIOR HVAC GRILLES AND DIFFUSERS WHICH ARE TO REMAIN (CEILING AND WALL-MOUNTED, AND FREESTANDING AT EXPOSED CONSTRUCTION).
5. EXISTING WALLS, FLOORS, AND CEILINGS WHICH ARE DAMAGED AND ARE TO REMAIN SHALL BE PATCHED AND REBUILT AS REQUIRED TO MATCH SURROUNDING CONSTRUCTION, AT NO ADDITIONAL COST TO THE OWNER.
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10. PROTECT ALL FLOORS THROUGHOUT THE PROJECT PER THE GENERAL NOTES ON G1.00. ANY DAMAGE TO EXISTING FLOORS MUST BE REPLACED, IN-KIND, AT THE EXPENSE OF THE CONTRACTOR CAUSING THE DAMAGE.
11. ALL PENETRATIONS THROUGH WALLS, FLOORS, CEILINGS ARE TO BE FIRE CAULKED. ALL FIRESTOPPING/CAULKING IS TO BE COMPLETED PRIOR TO THE INSTALLATION OF NEW CEILINGS.

FLOOR PLAN KEYNOTES - AREA B (F#)

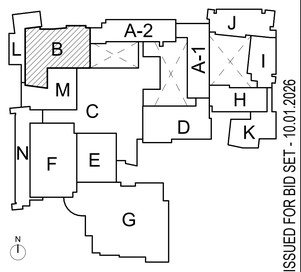
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TUNNEL LEGEND

CRAWL SPACE

WALKABLE SPACE

KEY PLAN



CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

EAST AURORA SCHOOL DISTRICT #131
EAHS MECHANICAL IMPROVEMENTS - PHASE III
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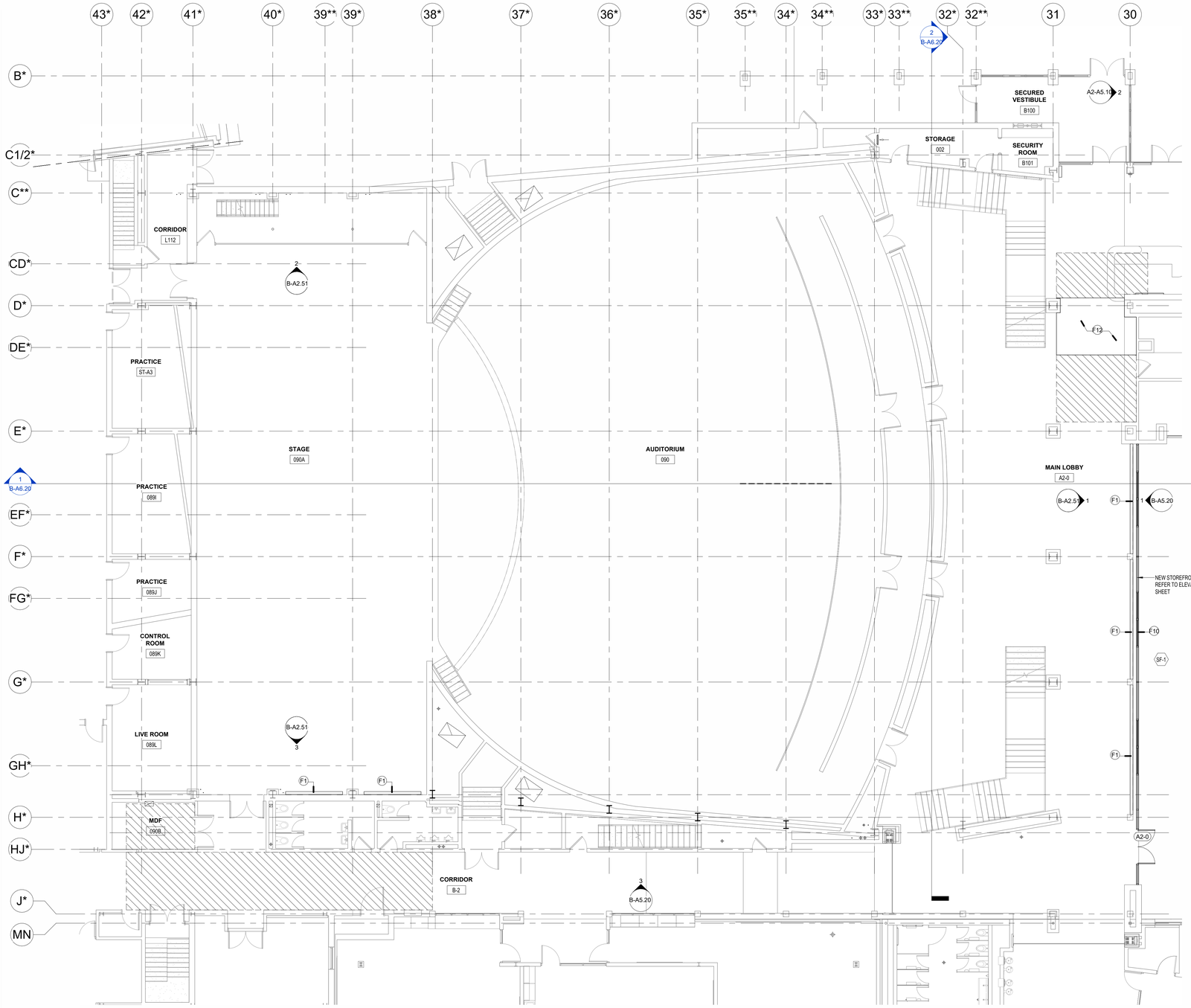
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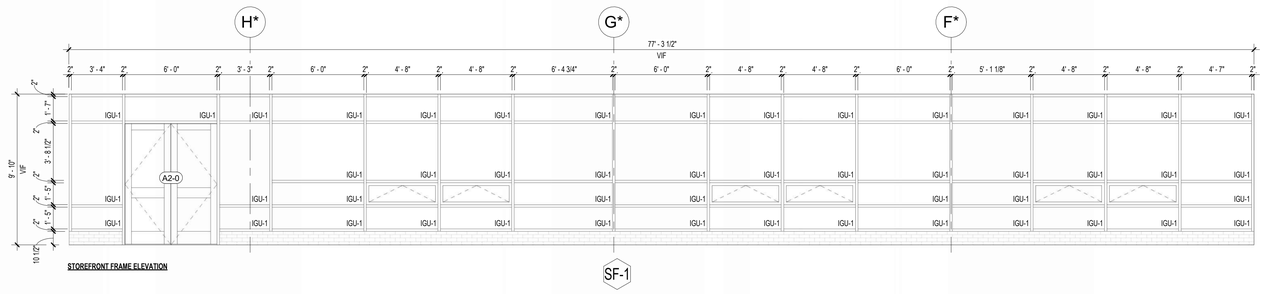
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NORTH

1 AREA B - FIRST FLOOR PLAN
1/8" = 1'-0"



STOREFRONT FRAME ELEVATION

GENERAL NOTES

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FLOOR PLAN LEGEND - CEILING REINSTALLATION

REINSTALL SALVAGED CEILINGS AND LIGHTS AFTER COMPLETION OF ABOVE CEILING MECHANICAL WORK. HATCHED AREAS ARE SHOWN ONLY FOR REFERENCE. CAREFULLY REINSTALL ALL SALVAGED CEILING MOUNTED EQUIPMENT INCLUDING BUT NOT LIMITED TO LIGHTS, SMOKE DETECTORS, WAPS, PROJECTORS, ETC. TO THEIR ORIGINAL LOCATIONS. SEE MECHANICAL PLANS FOR DUCT LAYOUTS AND NEW DIFFUSER LOCATIONS.

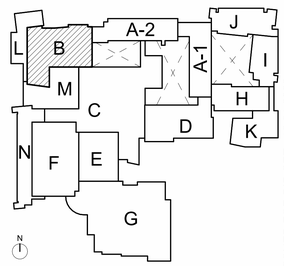
GLAZING NOTES AND LEGEND

IGU-1	**LAMINATED** CLEAR INSULATED GLAZING UNIT. REFER TO SPECIFICATIONS. LAMINATED GLAZING TO BE BASE BID.
IGU-2	INSULATED SPANDREL GLAZING UNIT. REFER TO SPECIFICATIONS.
	MECHANICAL LOUVER UNIT. REFER TO SPECIFICATIONS.
	OPERABLE AWNING-STYLE WINDOW. PROVIDE INSECT SCREEN WITH ACCESS PANELS TO OPERABLE HANDLES.

1. PURSUANT TO 2015 IBC 2406 SAFETY GLAZING PROVIDE FULLY TEMPERED GLAZING IN THE FOLLOWING SITUATIONS ON THIS PROJECT:
   A. ALL GLAZING IN DOORS.
   B. ALL GLAZING IN RAILINGS.
   C. ALL GLAZING PANELS LARGER THAN 9 SQ FT IN AREA.

SF-X FRAME DESIGNATION

KEY PLAN



CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

EAST AURORA SCHOOL DISTRICT #131
EAHS MECHANICAL IMPROVEMENTS - PHASE III
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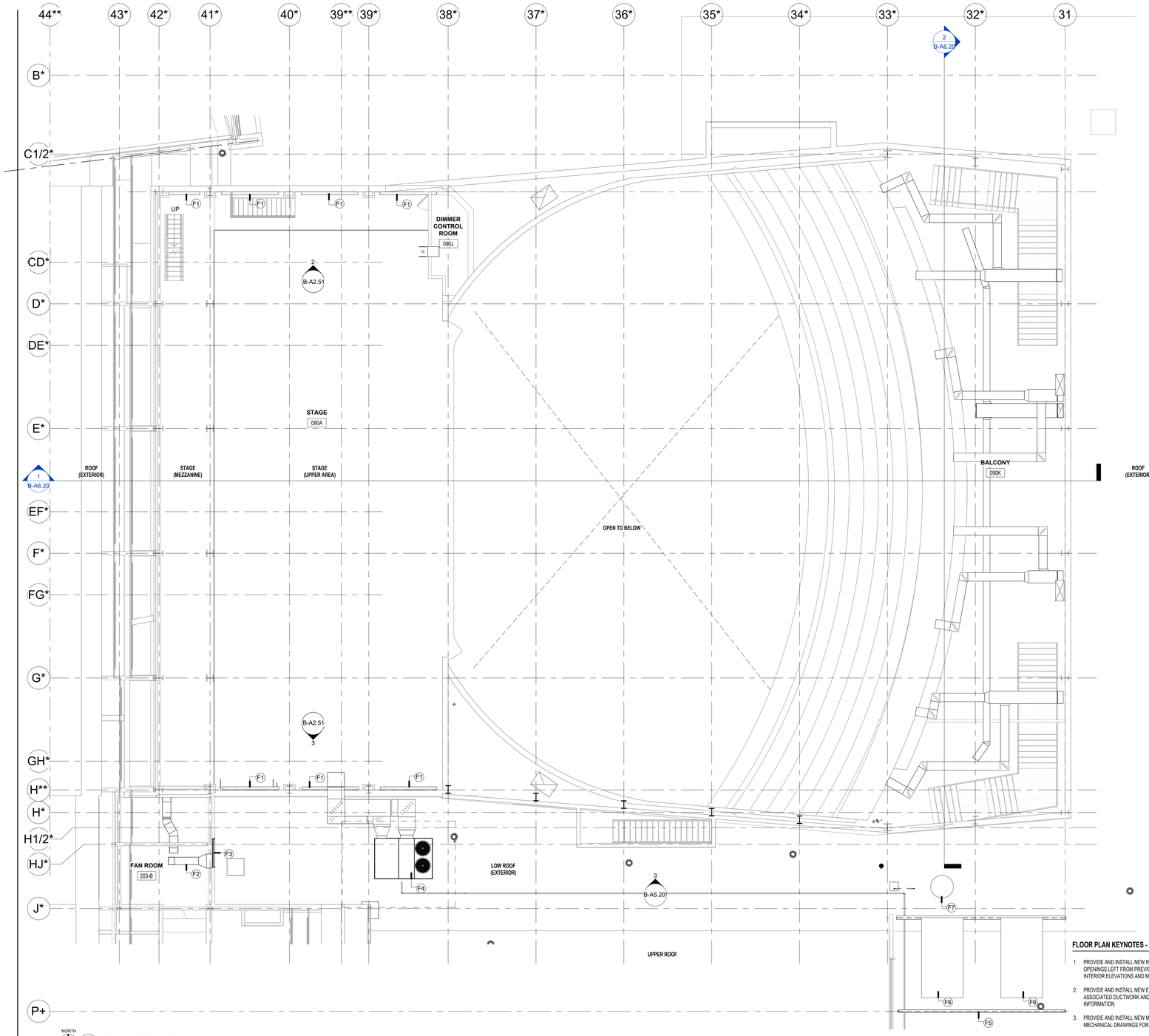
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DRAWING TITLE: AREA B - FIRST FLOOR PLAN

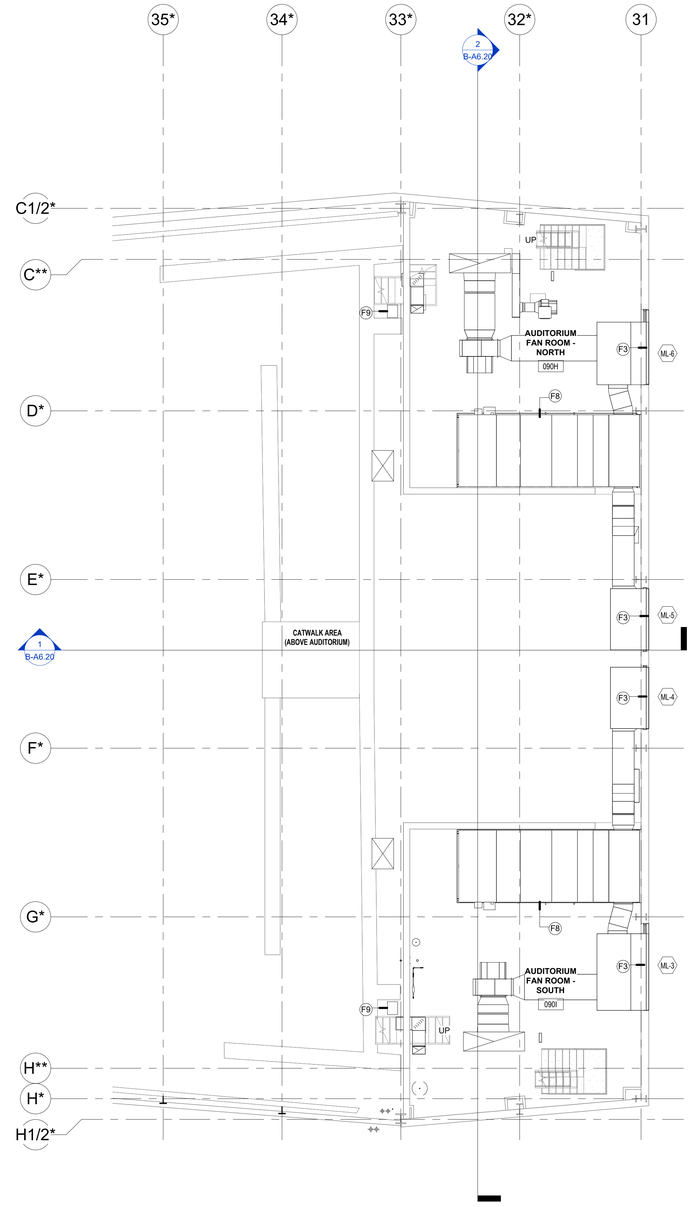
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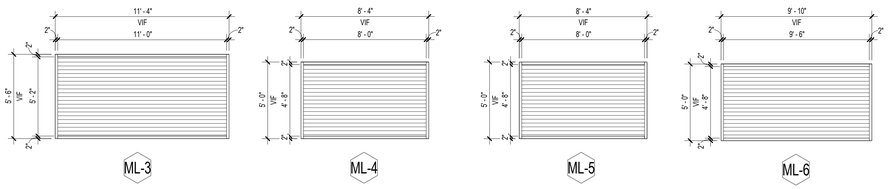
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1 AREA B - SECOND FLOOR PLAN
1/8" = 1'-0"



2 AREA B - MECHANICAL FAN ROOM PLAN
1/8" = 1'-0"



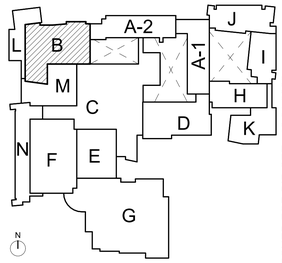
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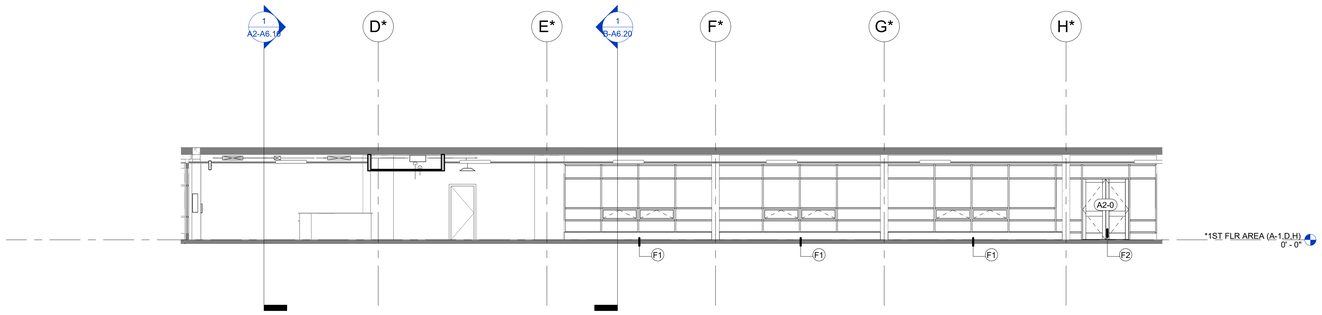
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DRAWING TITLE:
AREA B - SECOND FLOOR PLAN

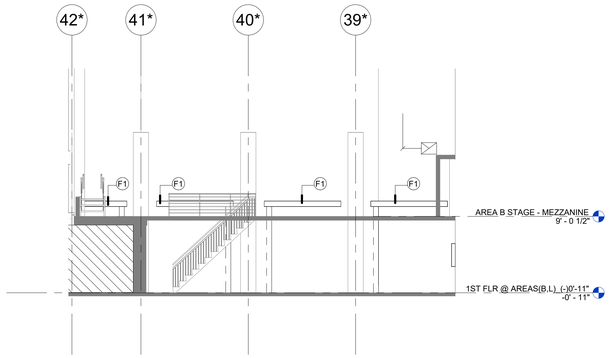
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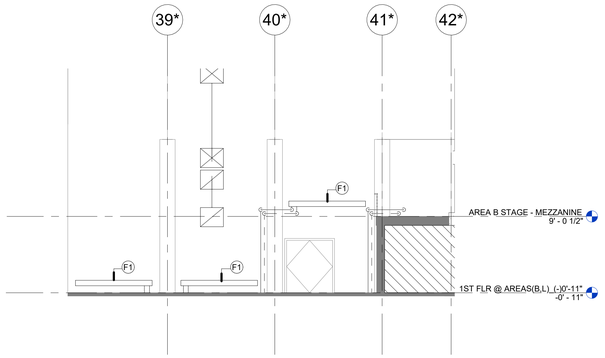
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1 AREA B - INTERIOR WEST ELEVATION
1/8" = 1'-0"



2 AREA B - STAGE NORTH - INTERIOR ELEVATION
1/8" = 1'-0"



3 AREA B - STAGE SOUTH - INTERIOR ELEVATION
1/8" = 1'-0"

GENERAL NOTES

1. REFER TO DRAWING G1.00 FOR FULL GENERAL DEMOLITION NOTES.
2. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR FULL MECHANICAL, PLUMBING, AND ELECTRICAL DEMOLITION SCOPE OF WORK.
3. IN AREAS WHERE EXISTING WALLS, PARTITIONS, ETC. ARE TO BE REMOVED, IT SHALL BE NECESSARY TO REPAIR EXISTING CEILINGS, ADJUST AND RELOCATE OR REWIRE LIGHTING FIXTURES, AND REMOVE OR RELOCATE ELECTRICAL AND MECHANICAL COMPONENTS AS REQUIRED OR DIRECTED. DEMOLITION AREAS SHOWN ON PLAN ARE REPRESENTATIONAL ONLY AND SHOULD NOT BE CONSIDERED ALL ENCOMPASSING. CONTRACTOR WILL BE RESPONSIBLE FOR ALL REMOVAL AND REPLACEMENT OF ADJACENT CONSTRUCTION NECESSARY TO COMPLETE THE WORK.
4. WASH AND CLEAN ALL EXISTING INTERIOR HVAC GRILLES AND DIFFUSERS WHICH ARE TO REMAIN (CEILING AND WALL-MOUNTED, AND FREESTANDING AT EXPOSED CONSTRUCTION).
5. EXISTING WALLS, FLOORS, AND CEILINGS WHICH ARE DAMAGED AND ARE TO REMAIN SHALL BE PATCHED AND REBUILT AS REQUIRED TO MATCH SURROUNDING CONSTRUCTION, AT NO ADDITIONAL COST TO THE OWNER.
6. ACTIVE PIPES, CONDUITS, AND OTHER UTILITIES OF ALL TYPES, WHETHER SHOWN IN THE CONSTRUCTION DOCUMENTS OR NOT, MUST BE PROTECTED AT ALL TIMES DURING THE CONSTRUCTION OF THE WORK. EXTREME CARE SHALL BE EXERCISED AT ALL TIMES NOT TO DAMAGE ANY SUCH PIPES AND CONDUITS. WHERE DAMAGE OCCURS, CONTRACTOR CAUSING THE DAMAGE SHALL REPAIR SUCH DAMAGE IN A MANNER APPROVED BY THE ARCHITECT AND OWNER, AND AT NO CHANGE IN THE CONTRACT PRICES OF CONTRACTOR.
7. IN AREAS WHERE EXISTING DOORS, WINDOWS, ETC. ARE REQUIRED TO BE REMOVED TO DISPOSE OF EXISTING MECHANICAL SYSTEM, CONTRACTORS MUST REINSTALL, REPAIR, OR REBUILD CONDITION TO MATCH SURROUNDING CONSTRUCTION OR BETTER, AT NO ADDITIONAL COST TO THE OWNER.
8. ALL SUPPLY AND RETURN DIFFUSERS NOT ORIGINAL TO BUILDING AND ARE BEING ABANDONED SHALL BE REMOVED.
9. ALL CORING REQUIRED FOR NEW WORK IS TO BE INCLUDED IN THE BASE BID. ALL PENETRATIONS TO BE COORDINATED WITH ADJACENT STRUCTURE. REFER TO ROOM FINISH SCHEDULE FOR EXISTING WALL/ FLOOR/ CEILING MATERIALS. NO EXTRAS WILL BE CONSIDERED FOR MULTIPLE PASSES REQUIRED TO CORE THROUGH MULTIPLE MATERIALS. CLEANING OF ALL DEBRIS AND WET DRILL RUNOFF WILL BE REQUIRED TO RESTORE ADJACENT CONSTRUCTION TO ITS FORMER CONDITION.
10. PROTECT ALL FLOORS THROUGHOUT THE PROJECT PER THE GENERAL NOTES ON G1.00. ANY DAMAGE TO EXISTING FLOORS MUST BE REPLACED, IN KIND, AT THE EXPENSE OF THE CONTRACTOR CAUSING THE DAMAGE.
11. ALL PENETRATIONS THROUGH WALLS, FLOORS, CEILINGS ARE TO BE FIRE CAULKED. ALL FIRESTOPPING/CAULKING IS TO BE COMPLETED PRIOR TO THE INSTALLATION OF NEW CEILINGS.

NEW WORK KEYNOTES - AREA B INTERIOR ELEVATIONS (F#)

1. PROVIDE AND INSTALL NEW RADIANT PANEL. PATCH AND REPAIR ANY GAPS OR OPENINGS LEFT FROM PREVIOUS UNIT TO MATCH SURROUNDING CONDITIONS. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
2. PROVIDE AND INSTALL NEW DOOR AND WINDOW SYSTEM AND ASSOCIATED TRIM. SEE FRAME ELEVATIONS, EXTERIOR ELEVATIONS, AND DOOR SCHEDULE FOR MORE INFORMATION.

ALTERNATES

ALTERNATE #01 - AREA D CHIMNEY REMOVAL: DEMOLISH EXISTING CHIMNEY DOWN TO GRADE. PREP AREA TO RECEIVE NEW ASPHALT TO MATCH THE SURROUNDING CONDITIONS. SEE STRUCTURAL DRAWINGS FOR MORE INFORMATION. IF ALTERNATE IS NOT ACCEPTED, CHIMNEY IS TO BE CAPPED WITH METAL PLATE AND ANY OPENINGS LEFT IN CHIMNEY MASONRY FROM FLUE DUCT REMOVAL ARE TO BE PATCHED TO MATCH SURROUNDING CONDITIONS.

ALTERNATE #02 - AREA G FIELD HOUSE RTU REPLACEMENT: REMOVE AND REPLACE FIVE (5) EXISTING ROOF-TOP UNITS ON THE ROOF OF THE FIELD HOUSE.

ALTERNATE #03 - AREA D ROOFING REPLACEMENT: REMOVE AND REPLACE EXISTING ADHERED EPDM ROOFING SYSTEM AT ROOF SECTION 24, AND BALLASTED EPDM ROOFING SYSTEM AT ROOF SECTION 25. REMOVE EXISTING ABANDONED VENT PIPE AND ASSOCIATED SUPPORTS IN THEIR ENTIRETY. PATCH AND REPAIR ROOF SYSTEM TO MATCH SURROUNDING CONDITIONS.

ALTERNATE #04A - AREA A-1 ROOFING REPLACEMENT: REMOVE AND REPLACE EXISTING ADHERED EPDM ROOFING SYSTEM AT ROOF SECTION 7.

ALTERNATE #04B - AREA K ROOFING REPLACEMENT: REMOVE AND REPLACE EXISTING ADHERED EPDM ROOFING SYSTEM AT ROOF SECTION 12.

ALTERNATE #05A - AREA J & AREA I ROOFING REPLACEMENT: REMOVE AND REPLACE EXISTING BALLASTED EPDM ROOFING SYSTEM OVER THE OFFICE AREAS, SPECIFICALLY AT ROOF SECTIONS 8, 10, 11, 13, AND 15.

ALTERNATE #05B - AREA K ROOFING REPLACEMENT: REMOVE AND REPLACE EXISTING BALLASTED EPDM ROOFING SYSTEM OVER THE OFFICE AREAS, SPECIFICALLY AT ROOF SECTIONS 16 ,17, AND 20.

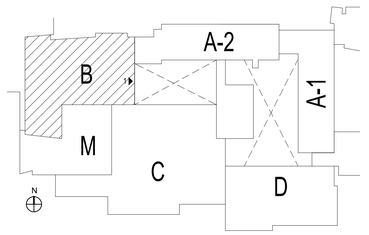
ALTERNATE #05C - AREA J, AREA I, & AREA K ROOFING REPLACEMENT: REMOVE AND REPLACE EXISTING ADHERED EPDM STANDING SEAM ROOFING SYSTEM AT ROOF SECTIONS 9, 14, AND 19.

ALTERNATE #06A - AREA G ROOFING REPLACEMENT: REMOVE AND REPLACE EXISTING BALLASTED EPDM ROOFING SYSTEM AT ROOF SECTIONS 36, 37, AND 40.

ALTERNATE #06B - AREA G ROOFING REPLACEMENT: REMOVE AND REPLACE EXISTING ADHERED EPDM ROOF SYSTEM OVER THE BARREL ROOF AT ROOF SECTION 39.

ALTERNATE #07 - EAHS MECHANICAL SERVICE AGREEMENT: THE MECHANICAL CONTRACTOR SHALL PROVIDE AND ALTERNATE BID NUMBER TO PROVIDE A MECHANICAL SERVICE AGREEMENT OF 2 YEARS AFTER THE COMPLETION OF THE PROJECT. THE SERVICE AGREEMENT SHALL PROVIDE A QUARTERLY FILTER REPLACEMENT FOR ALL EQUIPMENT WITH FILTERS, SEASONAL SPRING AND FALL CLEANING TO REMOVE COTTONWOOD AND OTHER DEBRIS FROM CONDENSER COILS AND EQUIPMENT LOCATED OUTDOORS, AND CHANGING OF BOILER COMBUSTION AIR FILTERS. EQUIPMENT TUNE UPS ARE REQUIRED EVERY 6 MONTHS, INCLUDING BUT NOT LIMITED TO, VERIFICATION OF GAS HEATING EQUIPMENT OPERATION IN THE FALL AND VERIFICATION OF DX COOLING PERFORMANCE IN THE SPRING. OTHER MANUFACTURER-REQUIRED EQUIPMENT MAINTENANCE IS TO BE PERFORMED AT MANUFACTURER-SPECIFIED INTERVALS.

KEY PLAN



CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

EAST AURORA SCHOOL DISTRICT #131
EAHS MECHANICAL IMPROVEMENTS -
PHASE III
500 TOMCAT LN.
AURORA, IL 60506

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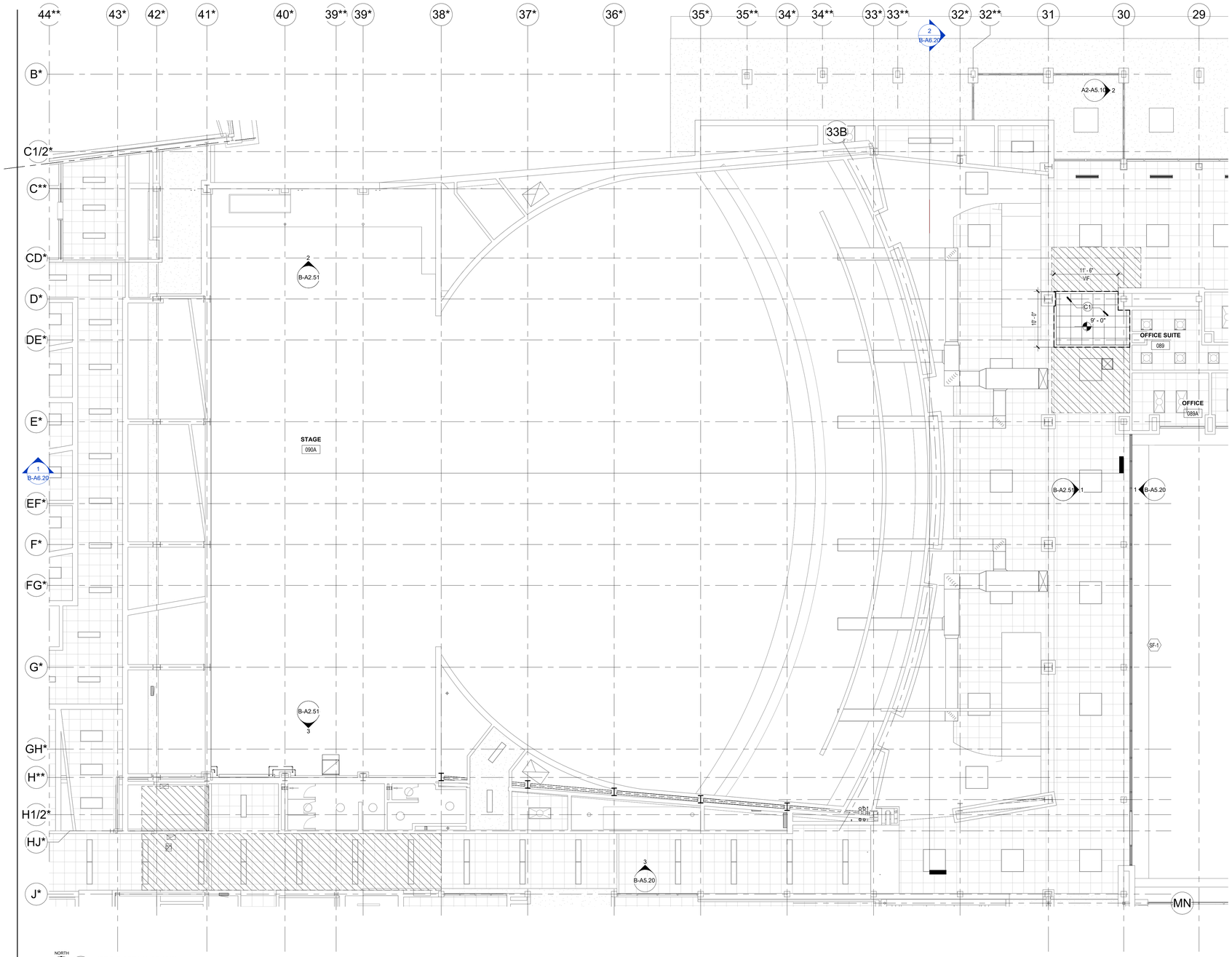
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DRAWING TITLE:
AREA B - INTERIOR ELEVATIONS

ISSUED FOR BID SET - 10.01.2026

B-A2.51

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NORTH 1 *1ST FLR AREA (A-1,D,H)(1)
1/8" = 1'-0"

REFLECTED CEILING PLAN KEYNOTES - AREA B

1. PROVIDE AND INSTALL NEW SOFFIT TO ACCOMMODATE NEW CABINET UNIT HEATER AND ASSOCIATED MECHANICAL DUCTWORK AND PIPING. PROVIDE AND INSTALL A NEW 2X2 ACOUSTICAL CEILING SYSTEM. COORDINATE FINAL ELEVATION OF SOFFIT IN FIELD IF CONDITION ALLOWS FOR THE SOFFIT TO BE INSTALLED AT A HIGHER ELEVATION THAN WHAT IS SHOWN. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
2. REMOVE PORTION OF EXISTING PLASTER CEILING ABOVE BALCONY AREA OF THE AUDITORIUM AS REQUIRED FOR MECHANICAL DUCTWORK. ANY CEILING MOUNTED LIGHTS AND DEVICES IMPACTED BY REMOVAL OF CEILING ARE TO BE SALVAGED FOR REINSTALLATION. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION. PATCH AND REPAIR PLASTER CEILING TO MATCH SURROUNDING CONDITIONS. REINSTALL SALVAGED LIGHT FIXTURE AND DEVICES ON NEW CEILING.

GENERAL CEILING NOTES

1. REFER TO ELECTRICAL DRAWINGS AND SPECIALTY LIGHTING DRAWINGS FOR LIGHT FIXTURE INFORMATION.
2. REFER TO ELECTRICAL DRAWINGS FOR COORDINATION OF EXIT SIGNS, ETC.
3. REFER TO MECHANICAL AND FIRE PROTECTION DRAWINGS FOR COORDINATION OF DIFFUSERS, SPRINKLER HEADS, EQUIPMENT LOCATIONS, ETC.
4. SPRINKLER HEADS ARE TO BE CENTERED IN CEILING TILES, UNLESS NOTED OTHERWISE.
5. IN AREAS OF 2'x2' ACT WHERE LESS THAN 4" OF TILE WOULD BE REQUIRED TO FILL SPACE TO THE WALL, PROVIDE MATCHING 2'x4' TILE CUT AS REQUIRED TO FILL SPACE. DO NOT PROVIDE INTERVENING TEE GRID.
6. PROVIDE GYPSUM BOARD CONTROL JOINTS THE FULL LENGTH OF THE CEILING FOR A SPACING OF 30'-0" O.C. MAX.
7. METAL FRAMING PERFORMANCE CRITERIA: PROVIDE NECESSARY FRAMING, GAUGES, FASTENERS, ETC. TO LIMIT L/360 DEFLECTION AT ALL METAL FRAMING INSTALLATIONS.
8. ALL PENETRATIONS WITHIN FIRE RATED CEILINGS ARE TO BE SEALED WITH FIRE CAULKING TO MAINTAIN THE SPECIFIED U.L. DESIGN.
9. UNLESS OTHERWISE NOTED, ALL ELEVATIONS SHOWN ARE ABOVE FINISHED FLOOR (A.F.F.).
10. REFER TO ELECTRICAL SHEETS FOR ALL NEW LIGHTING AND EXISTING LIGHTING MODIFICATION WORK REQUIREMENTS.
11. WHILE EVERY EFFORT HAS BEEN MADE TO ENSURE THE ACCURACY OF EXISTING CEILING HEIGHTS AND DIMENSIONS, THE CONTRACTOR WILL ULTIMATELY BE RESPONSIBLE FOR ALL FIELD MEASUREMENTS PRIOR TO COMMENCEMENT OF WORK. ALL MEASUREMENTS SHOWN ARE FOR REFERENCE ONLY.
12. PATCH AND PAINT ALL HOLES IN EXISTING PLASTER CEILING LEFT FROM FORMER LOCATIONS OF RELOCATED SURFACE MOUNTED LIGHT FIXTURES. COORDINATE LIGHTS AFFECTED WITH ELECTRICAL DRAWINGS. SOME ADDITIONAL PATCHING/PAINTING MAY BE REQUIRED WHERE EXISTING LIGHTS MAY NOT HAVE BEEN INDICATED ON PLANS.
13. RE-INSTALL ALL EXISTING CEILING MOUNTED EQUIPMENT INCLUDING SPEAKERS, EXISTING SIGNS, SMOKE DETECTORS, MOTION DETECTORS, FANS, PROJECTORS, ETC. AT THEIR ORIGINAL LOCATIONS.
14. ALL WALL MOUNTED ITEMS AFFECTED BY THE INSTALLATION OF NEW CEILINGS ARE TO BE LOWERED AS REQUIRED BY THE NEW WORK.
15. ALL CHANGE ORDERS DUE TO THE LACK OF COORDINATION WITH ALL CONTRACT DOCUMENTS (INCLUDING ALL DISCIPLINES), LACK OF DOCUMENTED WALK-THRUS PRIOR TO BIDDING AND REASONABLY UNFORESEEN CIRCUMSTANCES WILL NOT BE CONSIDERED. ALL WORK REQUIRED FOR INSTALLATION OF ALL SYSTEMS IS REQUIRED.
16. REMOVE EXISTING CEILING AS REQUIRED TO ACCOMMODATE NEW MECHANICAL SYSTEMS, HEIGHTS SHOWN ON REFLECTED CEILING PLANS ARE ASSUMED, MAKE CEILING HEIGHT AS TALL AS POSSIBLE BASED ON INSTALLED EQUIPMENT. REINSTALL ALL CEILINGS, LIGHTS, FIRE DEVICES, ETC IN THEIR PREVIOUS CONDITIONS. REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION.
17. PATCH AND MATCH WALLS/CEILINGS AT ALL RELOCATED LIGHTS.
18. A MOCKUP OF A TYPICAL CEILING HUNG BLOWER COIL SHALL BE CREATED AND APPROVED BY THE ARCHITECT/ENGINEER PRIOR TO INSTALLATION OF THE REMAINDER OF THE BLOWER COILS
19. MECHANICAL EQUIPMENT, DUCTS, PIPING, ETC. SHOWN ON ARCHITECTURAL DRAWINGS ARE FOR REFERENCE ONLY. SEE MECHANICAL DRAWINGS AND SPECIFICATIONS FOR MECHANICAL DETAILS AND SCOPE.

IMPORTANT: "PRIOR TO COMMENCEMENT OF THE MECHANICAL WORK, ALL EXISTING LED LIGHT FIXTURES AND CONTROLS THAT ARE TO BE IMPACTED BY THE WORK SHALL BE CAREFULLY REMOVED BY ELECTRICAL CONTRACTOR (E.C.) TO CONTRACTOR'S SECURE STORAGE PRIOR TO CEILING DEMOLITION. COORDINATE WITH THE MECHANICAL CONTRACTOR. PROVIDE TEMPORARY LIGHTING AS NEEDED. E.C. SHALL RE-INSTALL SALVAGED LED LIGHTS FIXTURES AND CONTROLS PER NEW CEILING AND FLOOR PLANS. RESTORE LIGHTING AMD CONTROLS TO ORIGINAL WORKING ORDER AND INCLUDE ANY CONTROL PROGRAMMING NEEDED. COORDINATE WITH THE FIXTURE MANUFACTURER(S) FOR CONTINUITY OF THE EXISTING 20 YEAR PARTS AND LABOR WARRANTY AT THE CONCLUSION OF THE WORK. DO NOT MAKE UNAUTHORIZED MODIFICATIONS OR SUBSTITUTIONS WITHOUT THE MANUFACTURER'S AGREEMENT."

NOTE: WHERE ROLLER SHADES ARE EFFECTED BY NEW WORK, THE CONTRACTOR SHALL REMOVE, MODIFY AND REINSTALL AS REQUIRED TO MAINTAIN FUNCTIONS WITH THE NEW ALTERATIONS.

REFLECTED CEILING LEGEND

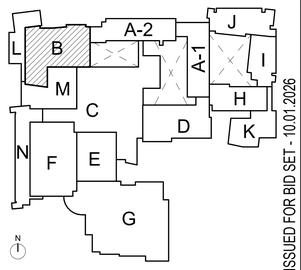
- EXISTING RECESSED 2'x4' LIGHT FIXTURE
- EXISTING RECESSED 2'x2' LIGHT FIXTURE
- EXISTING 2'x2' ACOUSTICAL CEILING TILES
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- EXISTING DIFFUSER
- EXISTING EXHAUST VENT
- NEW PENDANT LIGHT FIXTURE
- REMOVE AND REINSTALL EXISTING CEILINGS AND LIGHTS FOR ABOVE CEILING MECHANICAL WORK. HATCHED AREAS SHOWN FOR REFERENCE ONLY. CONTRACTOR TO COORDINATE WITH MECHANICAL DRAWINGS AND REMOVE/REINSTALL CEILINGS/LIGHTS TO EXTENT REQUIRED TO ACCOMPLISH MECHANICAL WORK.

LIGHTING LABEL LEGEND

N	NEW FIXTURE, REFER TO ELECTRICAL
R	RELOCATED FIXTURE, REFER TO ELECTRICAL

NOTE: LIGHTS SHOWN WITHOUT LABELS ARE TO BE ASSUMED EXISTING TO REMAIN. WHERE WORK REQUIRES THE REMOVAL AND REINSTALLATION OF EXISTING LIGHTS NOT LABELED, THE CONTRACTOR WILL BE RESPONSIBLE TO DO SO AT NO ADDITIONAL COST TO THE OWNER.

KEY PLAN



CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

EAST AURORA SCHOOL DISTRICT #131
EAHS MECHANICAL IMPROVEMENTS - PHASE III
500 TOMCAT LN.
AURORA, IL 60506

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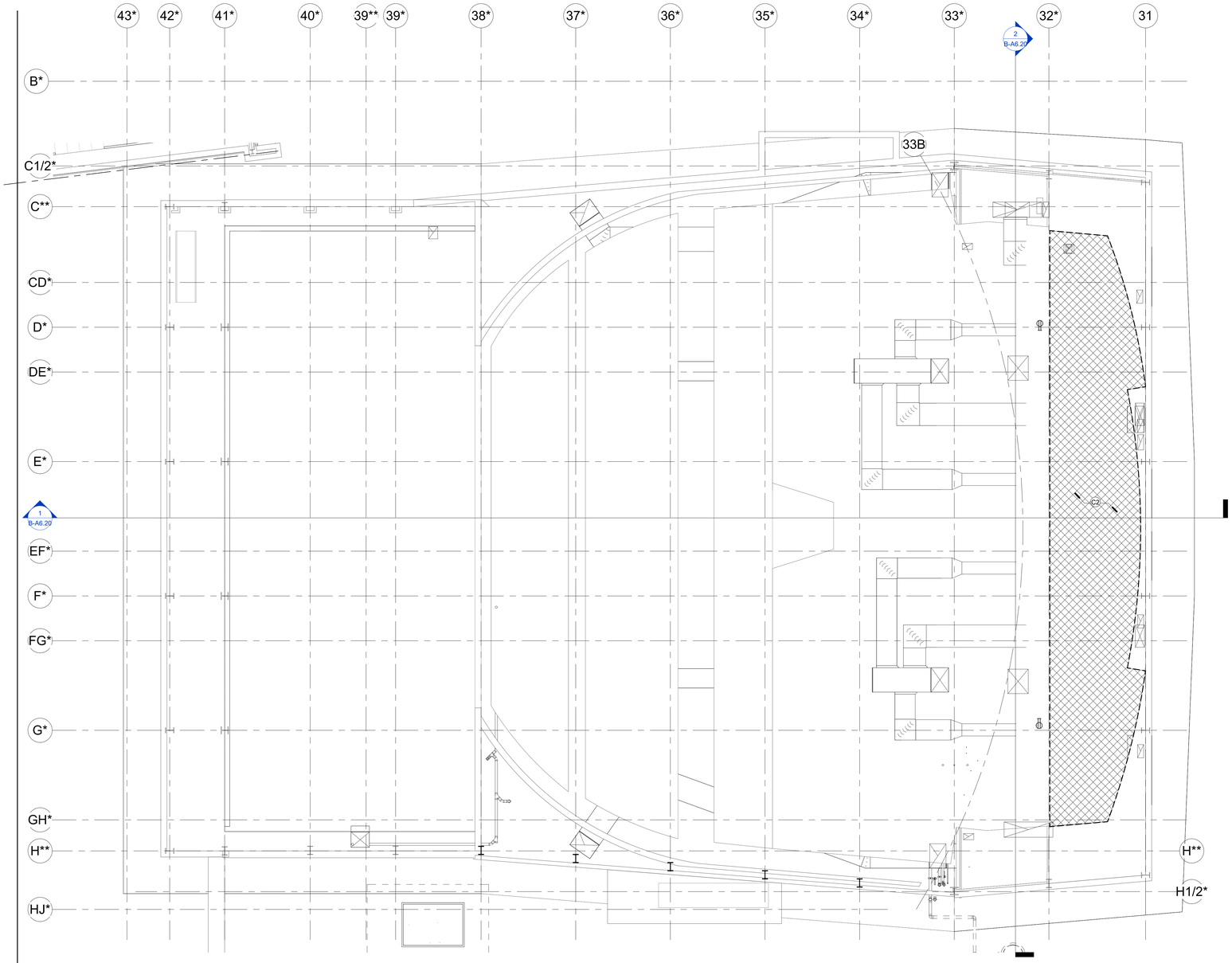
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DRAWING TITLE:
AREA B - FIRST FLOOR - RELFECTED CEILING PLAN

B-A3.21

ISSUED FOR BID SET - 10.01.2026

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NORTH 1 2ND FLR @AREAS(A-1,H)
1/8" = 1'-0"

REFLECTED CEILING PLAN KEYNOTES - AREA B

1. PROVIDE AND INSTALL NEW SOFFIT TO ACCOMMODATE NEW CABINET UNIT HEATER AND ASSOCIATED MECHANICAL DUCTWORK AND PIPING. PROVIDE AND INSTALL A NEW 2X2 ACOUSTICAL CEILING SYSTEM. COORDINATE FINAL ELEVATION OF SOFFIT IN FIELD IF CONDITION ALLOWS FOR THE SOFFIT TO BE INSTALLED AT A HIGHER ELEVATION THAN WHAT IS SHOWN. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
2. REMOVE PORTION OF EXISTING PLASTER CEILING ABOVE BALCONY AREA OF THE AUDITORIUM AS REQUIRED FOR MECHANICAL DUCTWORK. ANY CEILING MOUNTED LIGHTS AND DEVICES IMPACTED BY REMOVAL OF CEILING ARE TO BE SALVAGED FOR REINSTALLATION. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION. PATCH AND REPAIR PLASTER CEILING TO MATCH SURROUNDING CONDITIONS. REINSTALL SALVAGED LIGHT FIXTURE AND DEVICES ON NEW CEILING.

GENERAL CEILING NOTES

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2. REFER TO ELECTRICAL DRAWINGS FOR COORDINATION OF EXIT SIGNS, ETC.
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6. PROVIDE GYPSUM BOARD CONTROL JOINTS THE FULL LENGTH OF THE CEILING FOR A SPACING OF 30'-0" O.C. MAX.
7. METAL FRAMING PERFORMANCE CRITERIA: PROVIDE NECESSARY FRAMING, GAUGES, FASTENERS, ETC. TO LIMIT L/360 DEFLECTION AT ALL METAL FRAMING INSTALLATIONS.
8. ALL PENETRATIONS WITHIN FIRE RATED CEILINGS ARE TO BE SEALED WITH FIRE CAULKING TO MAINTAIN THE SPECIFIED U.L. DESIGN.
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13. RE-INSTALL ALL EXISTING CEILING MOUNTED EQUIPMENT INCLUDING SPEAKERS, EXISTING SIGNS, SMOKE DETECTORS, MOTION DETECTORS, FANS, PROJECTORS, ETC. AT THEIR ORIGINAL LOCATIONS.
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NOTE: WHERE ROLLER SHADES ARE EFFECTED BY NEW WORK, THE CONTRACTOR SHALL REMOVE, MODIFY AND REINSTALL AS REQUIRED TO MAINTAIN FUNCTIONS WITH THE NEW ALTERATIONS.

REFLECTED CEILING LEGEND

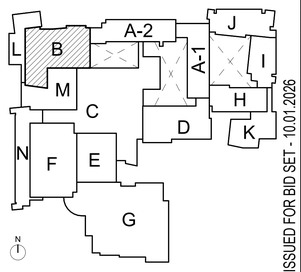
- EXISTING RECESSED 2'x4' LIGHT FIXTURE
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LIGHTING LABEL LEGEND

N	NEW FIXTURE, REFER TO ELECTRICAL
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KEY PLAN



CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

EAST AURORA SCHOOL DISTRICT #131
EAHS MECHANICAL IMPROVEMENTS - PHASE III
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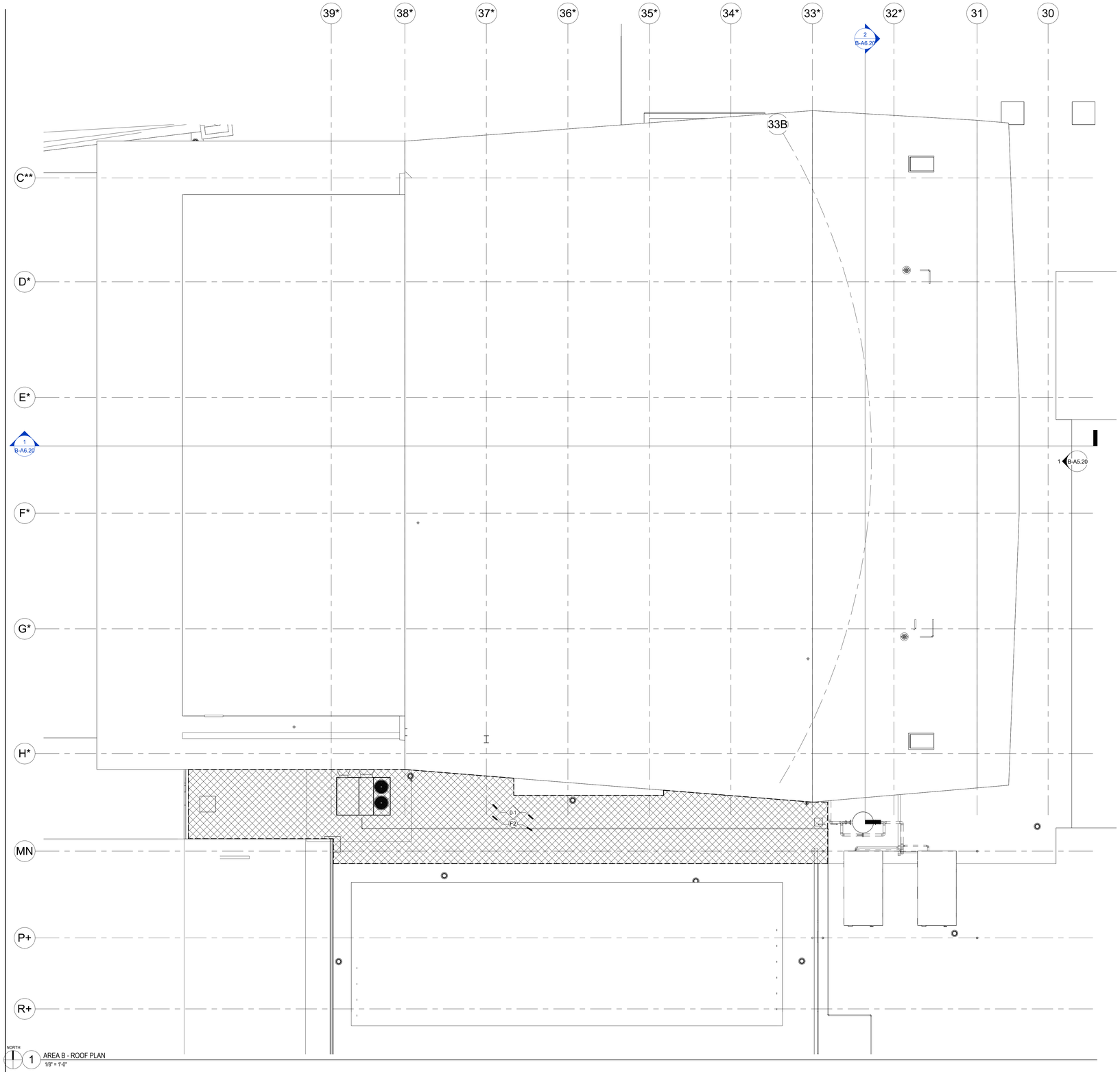
#	Description	Date

DRAWING TITLE:
AREA B - SECOND FLOOR - REFLECTED CEILING PLAN

B-A3.22

ISSUED FOR BID SET - 10.01.2026

10/1/2026 2:32:53 PM



NORTH

1 AREA B - ROOF PLAN
1/8" = 1'-0"

GENERAL ROOFING NOTES

1. REFER TO MECHANICAL ROOF PLAN FOR BOILER SYSTEM ROOM PENETRATIONS.
2. PATCH ROOF TO MATCH EXISTING ADJACENT ROOF SYSTEM AS REQUIRED FOR ALL NEW MECHANICAL PENETRATIONS. REFERENCE MECHANICAL DRAWINGS FOR ROOF PENETRATION LOCATIONS, QUANTITIES, AND TYPES
3. ALL MECHANICAL EQUIPMENT INCLUDING INSULATED ROOF CURBS SHALL BE PROVIDED AND INSTALLED. REFER TO MECHANICAL DRAWINGS FOR ROOF PENETRATIONS AND ROOF TOP EQUIPMENT.
4. ALL PLUMBING VENTS SHALL BE PROVIDED AND INSTALLED. REFER TO PLUMBING DRAWINGS FOR ROOF PENETRATIONS AND ROOF TOP EQUIPMENT.
5. ALL ROOF TERMINATIONS AND COUNTERFLASHING AT MECHANICAL AND PLUMBING ROOF PENETRATIONS SHALL BE PROVIDED AND INSTALLED. THE FULL ROOF WARRANTY AND GUARANTEE OF WATER RESISTANCE SHALL BE PROVIDED IN FULL.
6. ALL TAPERED INSULATION, B.U.R. ROOFING, ROOF TERMINATIONS, BLOCKING, COUNTERFLASHING, AND PENETRATION FLASHING SHALL BE PROVIDED.
7. ALL TAPERED INSULATION SHALL PROVIDE A MINIMUM 1/4"=1'-0" SLOPE.
8. ALL INSULATION JOINTS, HORIZONTAL AND VERTICAL, TO BE STAGGERED.
9. ALL ROOF PENETRATIONS, INCLUDING VENT STACKS, ROOF CURBS, AND PIPE SUPPORT CURBS, ARE TO BE A MINIMUM OF 8" ABOVE THE ROOF MEMBRANE.
10. ALL COUNTER FLASHING, COPING, AND MISCELLANEOUS METAL FLASHING PIECES ARE TO HAVE SEALANT APPLIED AT THE END CONDITION.
11. ALL EXPOSED FASTENERS TO BE CORROSIVE RESISTANT, HAVE NEOPRENE WASHERS, AND TO BE COVERED WITH SEALANT FOLLOWING ARCHITECT'S APPROVAL.
12. DRAINS TO BE FLASHED PER MANUFACTURER'S SPECIFICATION.
13. PROVIDE THROUGH-WALL COUNTER-FLASHING FOR ALL VERTICAL FLANGES, END WALL FLASHING, AND ROOF INTERSECTIONS.
14. INSTALL SADDLES ON THE HIGH SIDE OF ALL ROOF PENETRATION DETAILS.
15. ALL OPENINGS FROM REMOVED EQUIPMENT SHALL BE MODIFIED FOR NEW EQUIPMENT OR CLOSED TO MATCH ADJACENT ROOF SYSTEM PER EXISTING ROOF MANUFACTURER'S WARRANTY REQUIREMENTS.
16. REFER TO MECHANICAL & PLUMBING DRAWINGS FOR FULL SCOPE OF ROOF PENETRATIONS. COORDINATE ALL FLASHINGS W/ OTHER TRADES, TYP.
17. PROVIDE NEW EQUIPMENT CURBS AND REQUIRED STRUCTURAL REINFORCING AT ALL NEW ROOF TOP UNITS.

ROOF DEMOLITION KEYNOTES - AREA B (D#)

1. REMOVE EXISTING BUILT UP ROOFING WITHIN THE HATCHED REGION (DIAMOND PATTERN) SHOWN. PREP AREA FOR NEW CONDITION.

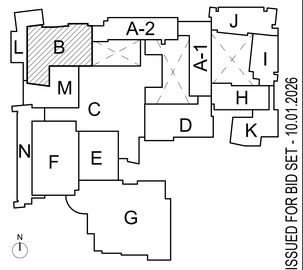
ROOF NEW WORK KEYNOTES - AREA B (F#)

1. PROVIDE AND INSTALL NEW ROOFTOP UNIT INCLUDING ALL ASSOCIATED DUCTWORK, PIPING, AND CONTROLS. PROVIDE TYPICAL MECHANICAL EQUIPMENT CURB. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
2.

SYMBOLS AND ABBREVIATIONS

- RD OD — EXISTING ROOF DRAIN/ OVERFLOW DRAIN TO REMAIN
- EF/GV — EXISTING ROOF MOUNTED EXHAUST FAN/ GRAVITY VENT TO REMAIN
- VTR/RP — EXISTING VENT THROUGH ROOF/ ROOF PENETRATION TO REMAIN
- LT — EXISTING LIGHT TO REMAIN
- GS — EXISTING GOOSENECK SUPPLY DUCT TO REMAIN
- RTE — EXISTING ROOF TOP EQUIPMENT TO REMAIN
- SL — EXISTING SKYLIGHT TO REMAIN
- SC/DS — EXISTING SCUPPER AND DOWNSPOUT TO REMAIN
- SLOPED — FLAT INSULATION OVER SLOPED STRUCTURE
- AT — ANTENNA
- SADDLE ON HIGH SIDE OF MECHANICAL EQUIPMENT, PROVIDE TYPICAL
- **NEW WORK**
- **EXISTING TO REMAIN**
- EJ — EXPANSION JOINT
- EXISTING CONDUIT PIPE TO REMAIN
- EXISTING GAS LINE TO REMAIN. REMOVE AND REPLACE SURFACE-MOUNTED SUPPORTS AS SPECIFIED
- (N) **NEW ITEM**
- (D) **DEMO EXISTING**
- RH — EXISTING ROOF HATCH TO REMAIN
- RL — EXISTING ROOF LADDER TO REMAIN
- TAPERED INSULATION, 1/4" PER FOOT
- TAPERED INSULATION, 1/2" PER FOOT

KEY PLAN



CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

EAST AURORA SCHOOL DISTRICT #131
EAHS MECHANICAL IMPROVEMENTS - PHASE III
500 TOMCAT LN.
AURORA, IL 60506

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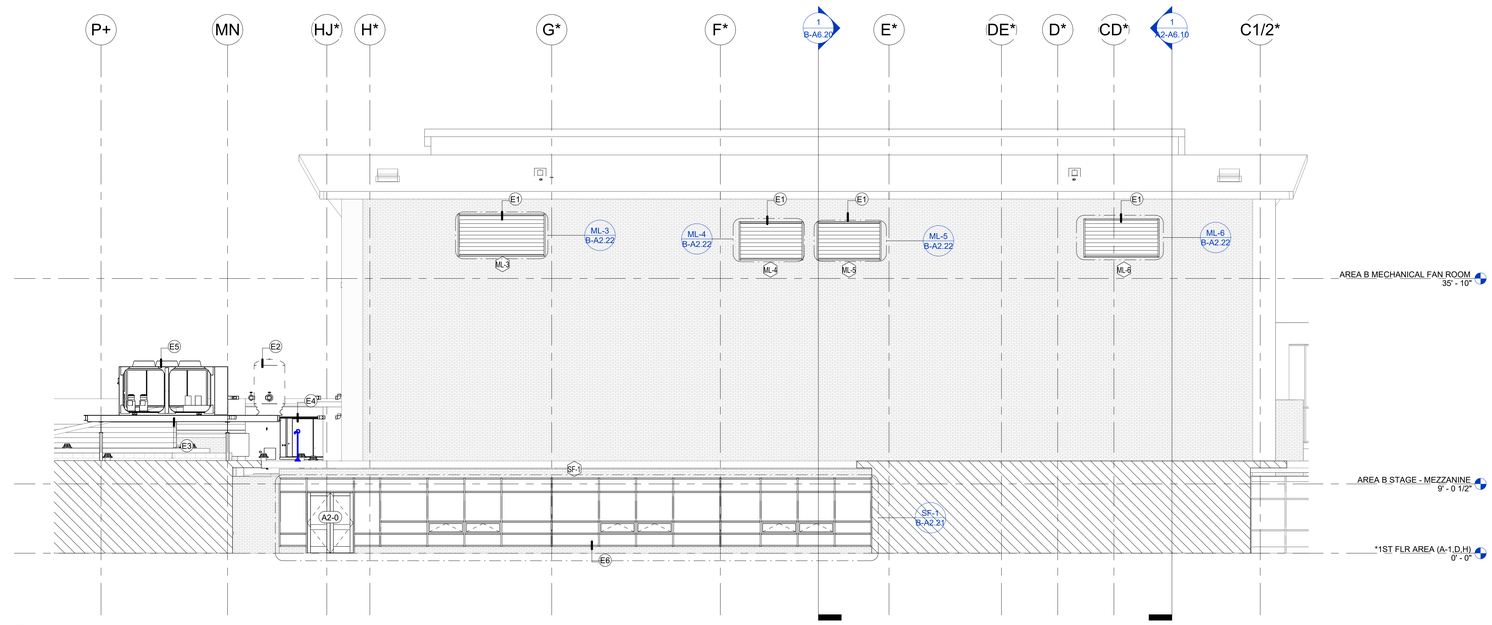
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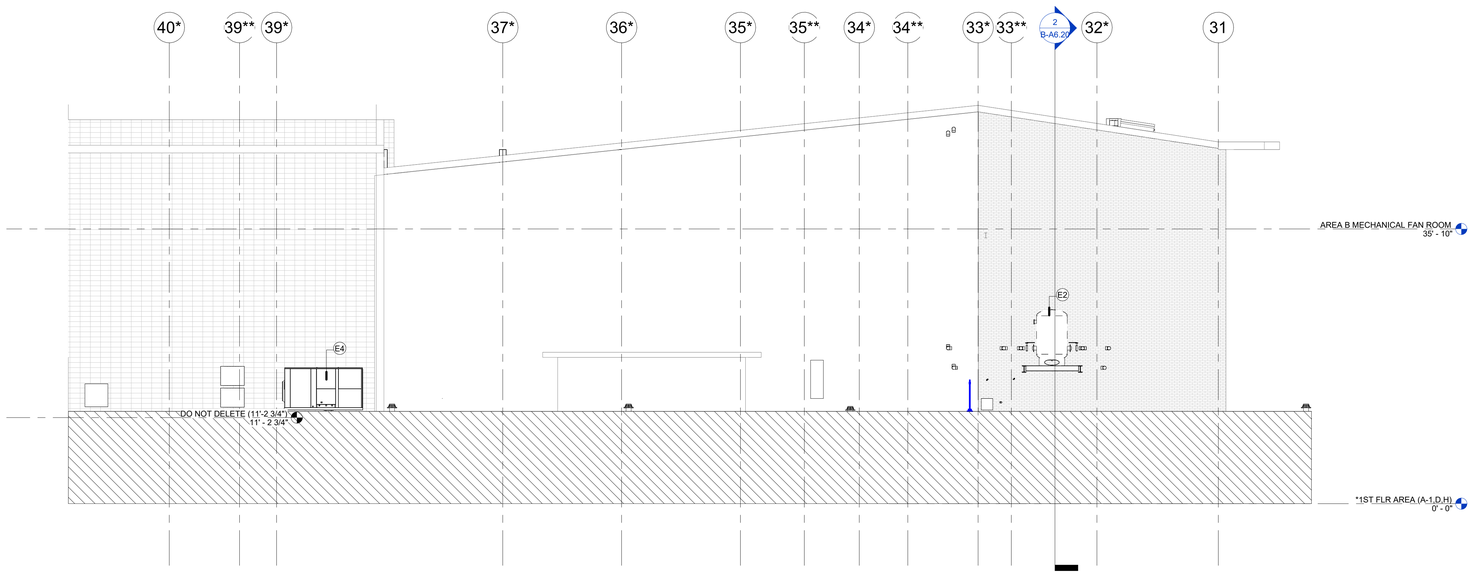
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1 AREA B - EAST ELEVATION
1/8" = 1'-0"



3 AREA B - SOUTH ELEVATION
1/8" = 1'-0"

GENERAL NOTES EXTERIOR ELEVATION

1. CONTRACTOR TO VERIFY QUANTITY OF MECHANICAL LOUVERS.
2. PATCH, MATCH, SEAL CONSTRUCTION TO ACHIEVE A WATER-TIGHT FIT AT WORK AS REQUIRED.
3. REFER TO INTERIOR ELEVATIONS FOR COORDINATION WITH UNIT VENTILATOR INSTALLATION.

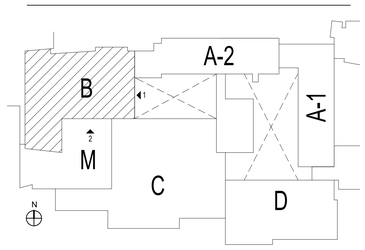
NEW WORK KEYNOTES - AREA B EXTERIOR ELEVATION (E#)

1. PROVIDE AND INSTALL NEW MECHANICAL LOUVER TIED TO NEW UNIT. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION. INSTALL NEW MECHANICAL LOUVER. SCRAPE AND PROVIDE NEW PAINT FOR EXISTING LINTEL TO REMAIN. REFER TO STRUCTURAL. PROVIDE BACKER ROD AND CAULK AROUND NEW OPENING.
2. PROVIDE AND INSTALL NEW BOILER TANK AND ALL ASSOCIATED PIPING AND CONTROLS. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
3. PROVIDE AND INSTALL STRUCTURAL PLATFORM INCLUDING METAL GRATING, PIPE COLUMNS, SUPPORTS, AND RAILINGS. PLATFORM IS TO SUPPORT NEW CHILLERS AND BOILER TANK. SEE STRUCTURAL DRAWINGS FOR MORE INFORMATION.
4. PROVIDE AND INSTALL NEW ROOFTOP UNIT INCLUDING ALL ASSOCIATED DUCTWORK, PIPING, AND CONTROLS. PROVIDE TYPICAL MECHANICAL EQUIPMENT CURB. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
5. PROVIDE AND INSTALL NEW CHILLER INCLUDING ALL ASSOCIATED PIPING AND CONTROLS. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
6. PROVIDE AND INSTALL NEW DOOR AND WINDOW SYSTEM AND ASSOCIATED TRIM. SEE FRAME ELEVATIONS, EXTERIOR ELEVATIONS, AND DOOR SCHEDULE FOR MORE INFORMATION.

ABATEMENT COORDINATION NOTE

WINDOWS, FRAMES, AND CAULKING AT PERIMETER OF STOREFRONT (AREA B) TO BE DEMOLISHED BY ABATEMENT CONTRACTOR UNDER A SEPARATE CONTRACT. COORDINATE NEW WINDOW WORK WITH ABATEMENT CONTRACTOR TO LEAVE BUILDING SECURE AND WATER TIGHT AT THE END OF EACH DAY.

KEY PLAN



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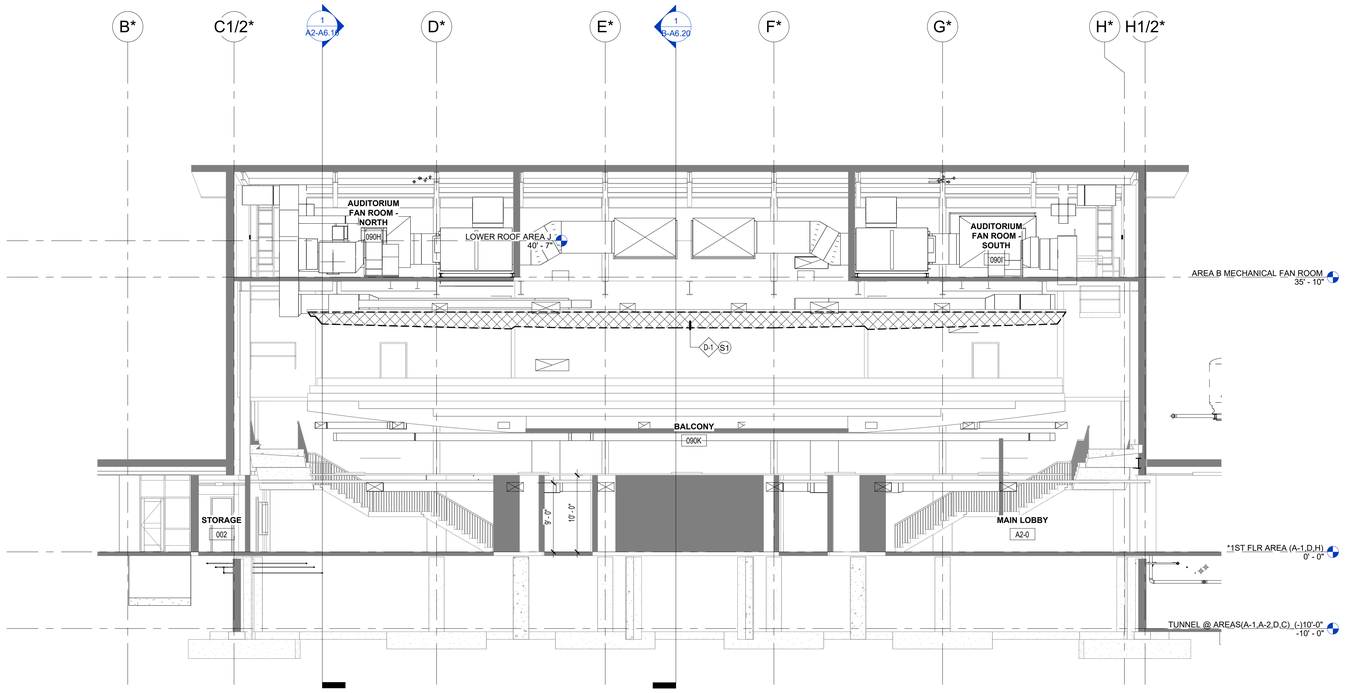
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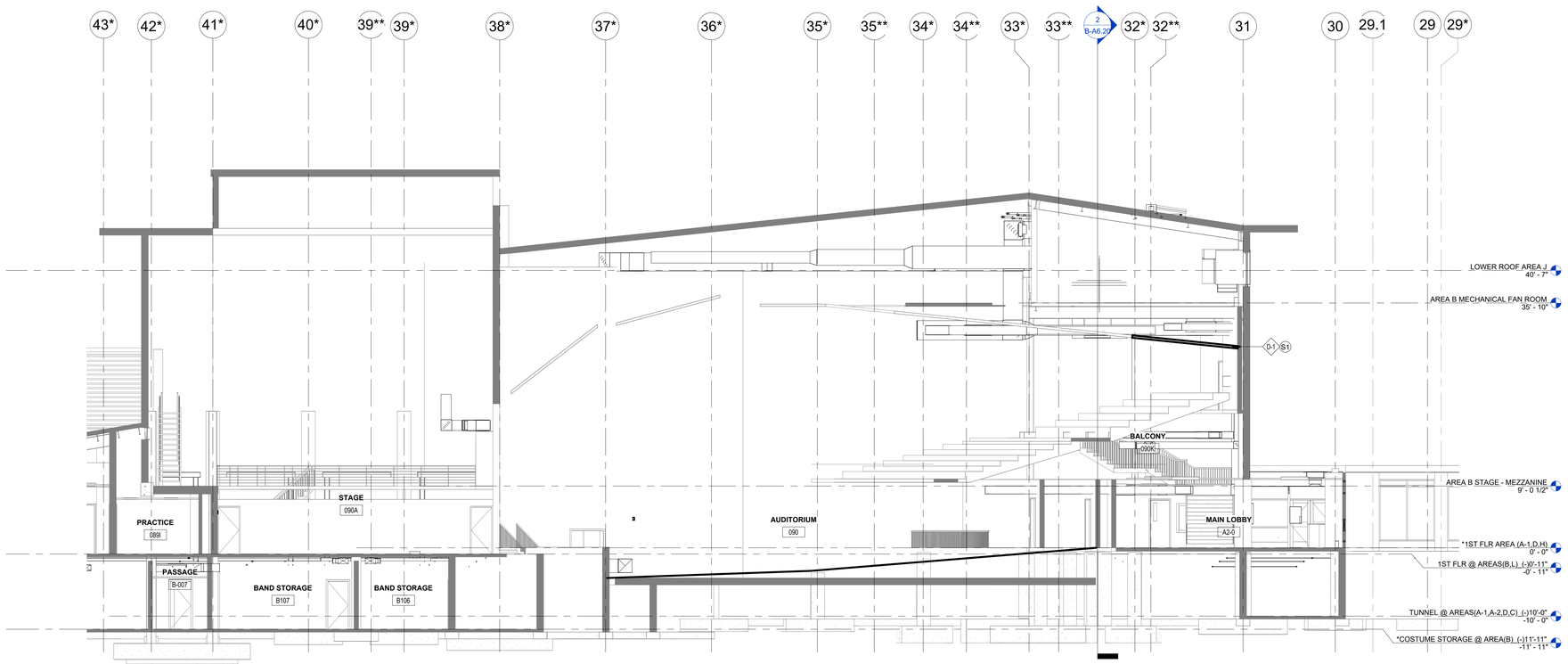
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2 AREA B - MECHANICAL ROOM - SECTION
1/8" = 1'-0"



1 AREA B -BUILDING SECTION
1/8" = 1'-0"

SECTION DEMOLITION KEYNOTES - AREA B

D#

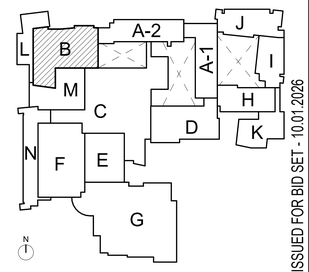
1. REMOVE PORTION OF EXISTING PLASTER CEILING ABOVE BALCONY AREA OF THE AUDITORIUM AS REQUIRED FOR MECHANICAL DUCTWORK. ANY CEILING MOUNTED LIGHTS AND DEVICES IMPACTED BY REMOVAL OF CEILING ARE TO BE SALVAGED FOR REINSTALLATION. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.

SECTION NEW WORK KEYNOTES - AREA B

S#

1. PATCH AND REPAIR PLASTER CEILING TO MATCH SURROUNDING CONDITIONS. REINSTALL SALVAGED LIGHT FIXTURE AND DEVICES ON NEW CEILING.

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ARCHITECTURE + ENGINEERING + CONSTRUCTION

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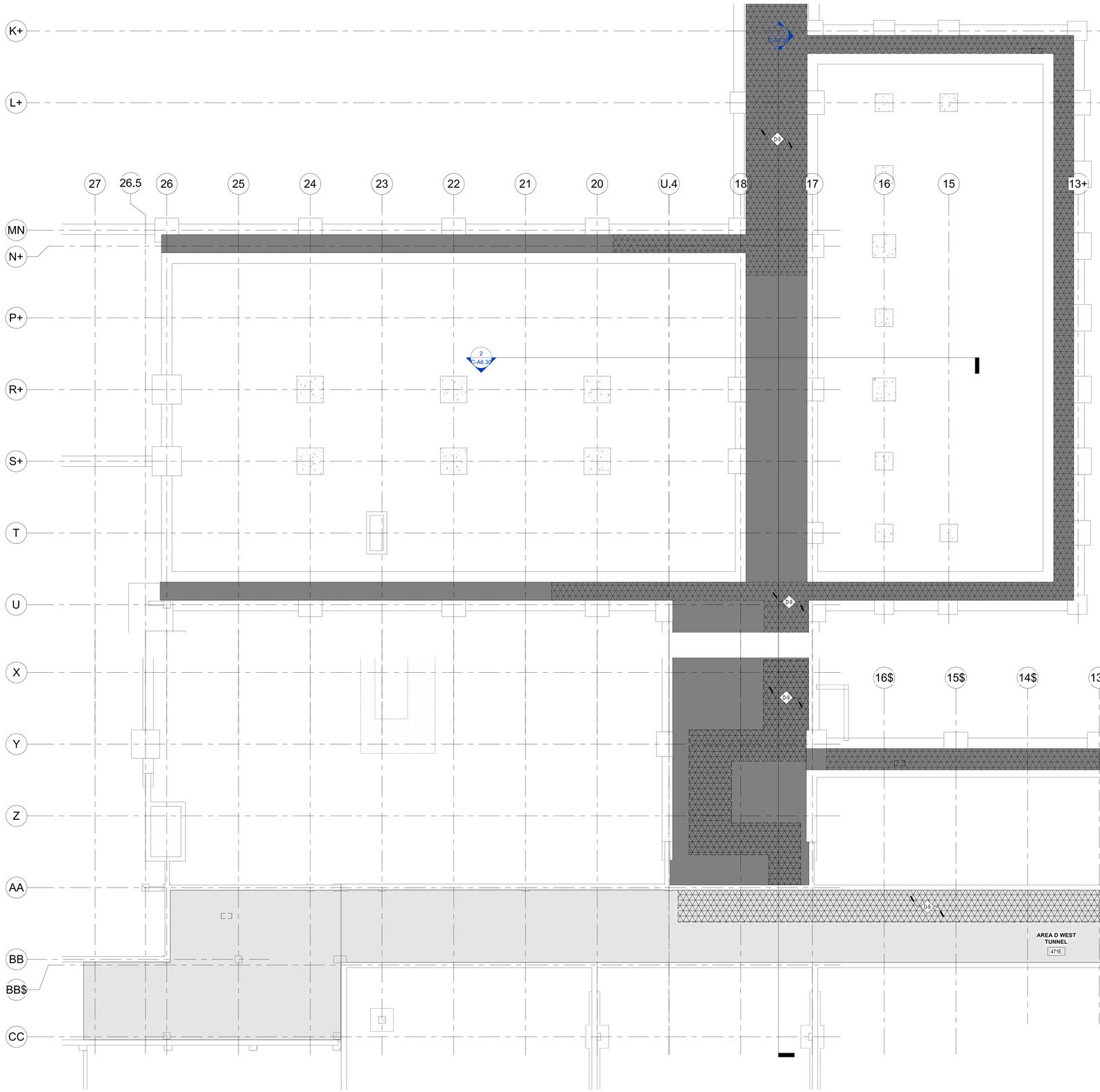
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AREA B - BUILDING SECTIONS

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TUNNEL LEGEND

CRAWL SPACE

WALKABLE SPACE

GENERAL NOTES

1. REFER TO DRAWING G1.00 FOR FULL GENERAL DEMOLITION NOTES.
2. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR FULL MECHANICAL, PLUMBING, AND ELECTRICAL DEMOLITION SCOPE OF WORK.
3. IN AREAS WHERE EXISTING WALLS, PARTITIONS, ETC. ARE TO BE REMOVED, IT SHALL BE NECESSARY TO REPAIR EXISTING CEILINGS, ADJUST AND RELOCATE OR REWIRE LIGHTING FIXTURES, AND REMOVE OR RELOCATE ELECTRICAL AND MECHANICAL COMPONENTS AS REQUIRED OR DIRECTED. DEMOLITION AREAS SHOWN ON PLAN ARE REPRESENTATIONAL ONLY AND SHOULD NOT BE CONSIDERED ALL ENCOMPASSING. CONTRACTOR WILL BE RESPONSIBLE FOR ALL REMOVAL AND REPLACEMENT OF ADJACENT CONSTRUCTION NECESSARY TO COMPLETE THE WORK.
4. WASH AND CLEAN ALL EXISTING INTERIOR HVAC GRILLES AND DIFFUSERS WHICH ARE TO REMAIN (CEILING AND WALL-MOUNTED, AND FREESTANDING AT EXPOSED CONSTRUCTION).
5. EXISTING WALLS, FLOORS, AND CEILINGS WHICH ARE DAMAGED AND ARE TO REMAIN SHALL BE PATCHED AND REBUILT AS REQUIRED TO MATCH SURROUNDING CONSTRUCTION, AT NO ADDITIONAL COST TO THE OWNER.
6. ACTIVE PIPES, CONDUITS, AND OTHER UTILITIES OF ALL TYPES, WHETHER SHOWN IN THE CONSTRUCTION DOCUMENTS OR NOT, MUST BE PROTECTED AT ALL TIMES DURING THE CONSTRUCTION OF THE WORK. EXTREME CARE SHALL BE EXERCISED AT ALL TIMES NOT TO DAMAGE ANY SUCH PIPES AND CONDUITS. WHERE DAMAGE OCCURS, CONTRACTOR CAUSING THE DAMAGE SHALL REPAIR SUCH DAMAGE IN A MANNER APPROVED BY THE ARCHITECT AND OWNER, AND AT NO CHANGE IN THE CONTRACT PRICES OF CONTRACTOR.
7. IN AREAS WHERE EXISTING DOORS, WINDOWS, ETC. ARE REQUIRED TO BE REMOVED TO DISPOSE OF EXISTING MECHANICAL SYSTEM, CONTRACTORS MUST REINSTALL, REPAIR, OR REBUILD CONDITION TO MATCH SURROUNDING CONSTRUCTION OR BETTER, AT NO ADDITIONAL COST TO THE OWNER.
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10. PROTECT ALL FLOORS THROUGHOUT THE PROJECT PER THE GENERAL NOTES ON G1.00. ANY DAMAGE TO EXISTING FLOORS MUST BE REPLACED, IN KIND, AT THE EXPENSE OF THE CONTRACTOR CAUSING THE DAMAGE.
11. ALL PENETRATIONS THROUGH WALLS, FLOORS, CEILINGS ARE TO BE FIRE CAULKED. ALL FIRESTOPPING/CAULKING IS TO BE COMPLETED PRIOR TO THE INSTALLATION OF NEW CEILINGS.

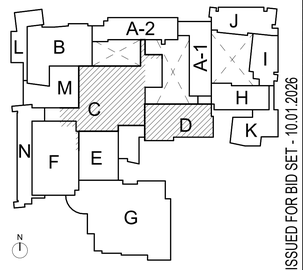
DEMOLITION KEYNOTES - AREA C (D#)

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2. REMOVE EXISTING ELECTRIC BASEBOARD IN ITS ENTIRETY. INCLUDING ALL ASSOCIATED CONTROLS.
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7. DEMOLISH EXISTING CEILING IN THE HATCH REGION (DIAMOND PATTERN) SHOWN. INCLUDING EXISTING DOME LIGHT FIXTURES. PREP AREA TO RECEIVE NEW CEILING. SEE REFLECTED CEILING PLANS FOR MORE INFORMATION.
8. REMOVE EXISTING CEILINGS AND LIGHTS AS REQUIRED FOR ABOVE CEILING MECHANICAL WORK. HATCHED AREAS ARE SHOWN ONLY FOR REFERENCE. CONTRACTOR IS TO COORDINATE WITH MECHANICAL DRAWINGS AND REMOVE CEILINGS AND LIGHTS TO EXTENT REQUIRED TO ACCOMPLISH MECHANICAL WORK. CAREFULLY SALVAGE ALL CEILINGS AND CEILING MOUNTED EQUIPMENT INCLUDING BUT NOT LIMITED TO LIGHTS, SMOKE DETECTORS, WAPS, PROJECTORS, ETC. FOR REINSTALLATION. REFER TO REFLECTED CEILING PLANS FOR EXISTING CEILING MATERIALS (NOT SHOWN HERE FOR CLARITY).
9. REMOVE EXISTING STEAM AND CONDENSATE PIPING INCLUDING ALL ASSOCIATED TRAPS, HANGERS, AND SUPPORTS IN THEIR ENTIRETY WITHIN THE HATCHED REGION (TRIANGLE PATTERN) SHOWN. THE TUNNEL LEGEND DENOTES AREAS OF THE TUNNELS THAT ARE CRAWL SPACES AND WALKABLE SPACES, FOR REFERENCE ONLY. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.

NORTH

1 AREA C - TUNNEL - DEMOLITION PLAN
1/8" = 1'-0"

KEY PLAN



CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

EAST AURORA SCHOOL DISTRICT #131
EAHS MECHANICAL IMPROVEMENTS -
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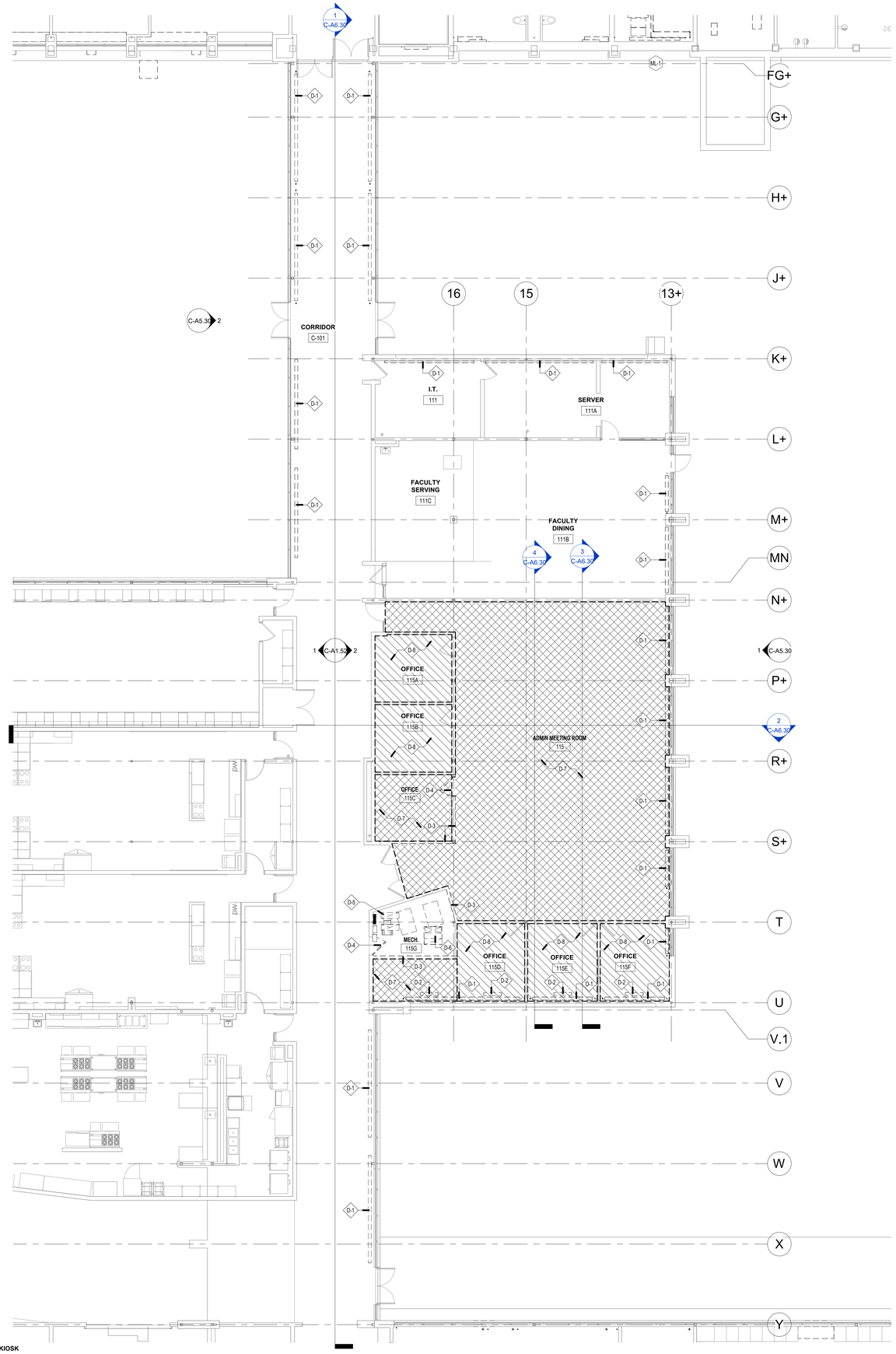
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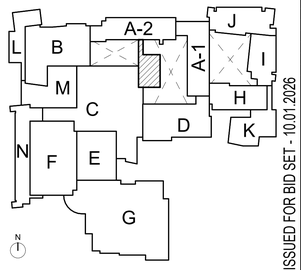
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KEY PLAN



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ARCHITECT:

CONSULTANTS:

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AURORA, IL 60506

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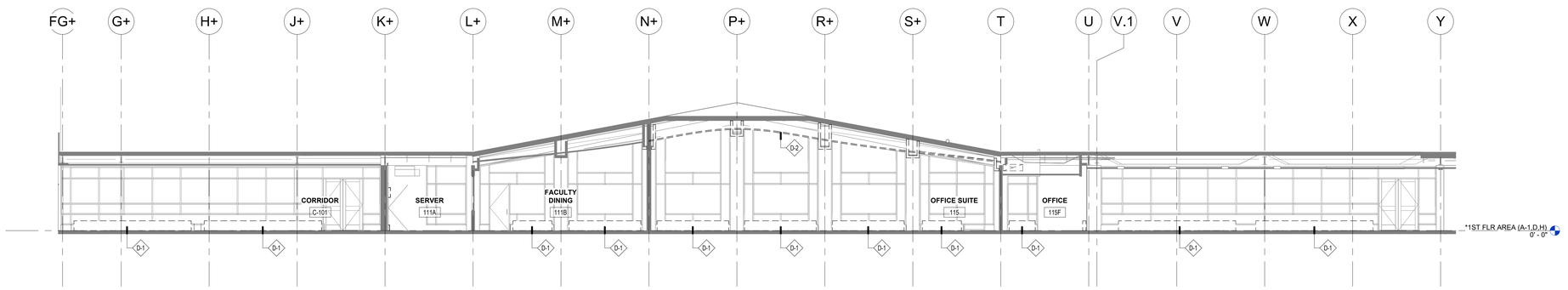
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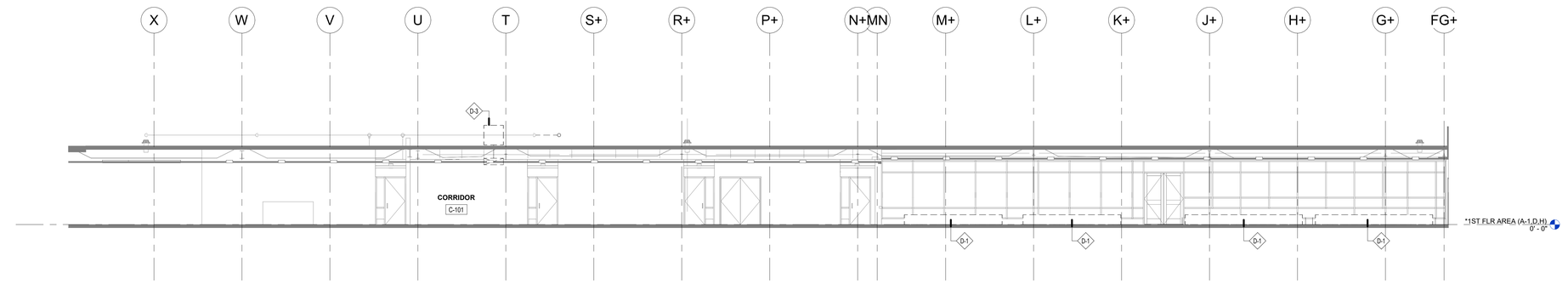
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2 AREA C -INTERIOR WEST ELEVATION - DEMOLITION
1/8" = 1'-0"



1 AREA C - INTERIOR EAST ELEVATION - DEMOLITION
1/8" = 1'-0"

GENERAL NOTES

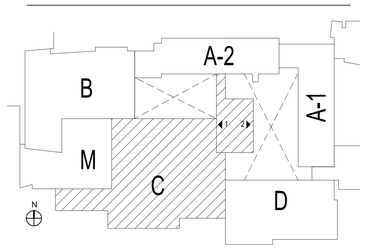
1. REFER TO DRAWING G1.00 FOR FULL GENERAL DEMOLITION NOTES.
2. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR FULL MECHANICAL, PLUMBING, AND ELECTRICAL DEMOLITION SCOPE OF WORK.
3. IN AREAS WHERE EXISTING WALLS, PARTITIONS, ETC. ARE TO BE REMOVED, IT SHALL BE NECESSARY TO REPAIR EXISTING CEILINGS, ADJUST AND RELOCATE OR REWIRE LIGHTING FIXTURES, AND REMOVE OR RELOCATE ELECTRICAL AND MECHANICAL COMPONENTS AS REQUIRED OR DIRECTED. DEMOLITION AREAS SHOWN ON PLAN ARE REPRESENTATIONAL ONLY AND SHOULD NOT BE CONSIDERED ALL ENCOMPASSING. CONTRACTOR WILL BE RESPONSIBLE FOR ALL REMOVAL AND REPLACEMENT OF ADJACENT CONSTRUCTION NECESSARY TO COMPLETE THE WORK.
4. WASH AND CLEAN ALL EXISTING INTERIOR HVAC GRILLES AND DIFFUSERS WHICH ARE TO REMAIN (CEILING AND WALL-MOUNTED, AND FREESTANDING AT EXPOSED CONSTRUCTION).
5. EXISTING WALLS, FLOORS, AND CEILINGS WHICH ARE DAMAGED AND ARE TO REMAIN SHALL BE PATCHED AND REBUILT AS REQUIRED TO MATCH SURROUNDING CONSTRUCTION, AT NO ADDITIONAL COST TO THE OWNER.
6. ACTIVE PIPES, CONDUITS, AND OTHER UTILITIES OF ALL TYPES, WHETHER SHOWN IN THE CONSTRUCTION DOCUMENTS OR NOT, MUST BE PROTECTED AT ALL TIMES DURING THE CONSTRUCTION OF THE WORK. EXTREME CARE SHALL BE EXERCISED AT ALL TIMES NOT TO DAMAGE ANY SUCH PIPES AND CONDUITS. WHERE DAMAGE OCCURS, CONTRACTOR CAUSING THE DAMAGE SHALL REPAIR SUCH DAMAGE IN A MANNER APPROVED BY THE ARCHITECT AND OWNER, AND AT NO CHANGE IN THE CONTRACT PRICES OF CONTRACTOR.
7. IN AREAS WHERE EXISTING DOORS, WINDOWS, ETC. ARE REQUIRED TO BE REMOVED TO DISPOSE OF EXISTING MECHANICAL SYSTEM, CONTRACTORS MUST REINSTALL, REPAIR, OR REBUILD CONDITION TO MATCH SURROUNDING CONSTRUCTION OR BETTER, AT NO ADDITIONAL COST TO THE OWNER.
8. ALL SUPPLY AND RETURN DIFFUSERS NOT ORIGINAL TO BUILDING AND ARE BEING ABANDONED SHALL BE REMOVED.
9. ALL CORING REQUIRED FOR NEW WORK IS TO BE INCLUDED IN THE BASE BID. ALL PENETRATIONS TO BE COORDINATED WITH ADJACENT STRUCTURE. REFER TO ROOM FINISH SCHEDULE FOR EXISTING WALL/ FLOOR/ CEILING MATERIALS. NO EXTRAS WILL BE CONSIDERED FOR MULTIPLE PASSES REQUIRED TO CORE THROUGH MULTIPLE MATERIALS. CLEANING OF ALL DEBRIS AND WET DRILL RUNOFF WILL BE REQUIRED TO RESTORE ADJACENT CONSTRUCTION TO ITS FORMER CONDITION.
10. PROTECT ALL FLOORS THROUGHOUT THE PROJECT PER THE GENERAL NOTES ON G1.00. ANY DAMAGE TO EXISTING FLOORS MUST BE REPLACED, IN KIND, AT THE EXPENSE OF THE CONTRACTOR CAUSING THE DAMAGE.
11. ALL PENETRATIONS THROUGH WALLS, FLOORS, CEILINGS ARE TO BE FIRE CAULKED. ALL FIRESTOPPING/CAULKING IS TO BE COMPLETED PRIOR TO THE INSTALLATION OF NEW CEILINGS.

DEMOLITION KEYNOTES - AREA C INTERIOR ELEVATIONS

D#

1. REMOVE EXISTING FIN TUBE IN ITS ENTIRETY, PIPES, CONDUITS, AND OTHER UTILITIES SHALL BE REMOVED. FLOOR, WALLS, CEILINGS AFFECTED BY ITS DEMOLITION SHALL BE PATCHED AND REBUILT TO MATCH THE SURROUNDING CONSTRUCTION. PREP AREA TO RECEIVE NEW RADIANT PANELS. SEE DEMOLITION INTERIOR ELEVATIONS AND SEE MECHANICAL DRAWINGS FOR MORE INFORMATION..
2. REMOVE EXISTING PLASTER CEILING TO THE DASHED EXTENTS SHOWN. EXISTING SOFFITS WRAPPED AROUND STRUCTURE ARE TO BE REMOVED. PREP CEILING TO RECEIVE NEW GYPSUM CEILING IN NEW CONFERENCE ROOMS AND A PORTION OF THE OFFICE SUITE. SEE REFLECTED CEILING PLANS FOR MORE INFORMATION.
3. REMOVE EXISTING MECHANICAL HOOD AND ASSOCIATED CURB IN ITS ENTIRETY. PATCH AND REPAIR ROOF TO MATCH EXISTING SURROUNDING CONDITIONS. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.

KEY PLAN



CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

FA

EAST AURORA SCHOOL DISTRICT #131
EAHS MECHANICAL IMPROVEMENTS - PHASE III
500 TOMCAT LN.
AURORA, IL 60506

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CC JOB NUMBER
26-1012

DATE
10.01.2026

REVISIONS:

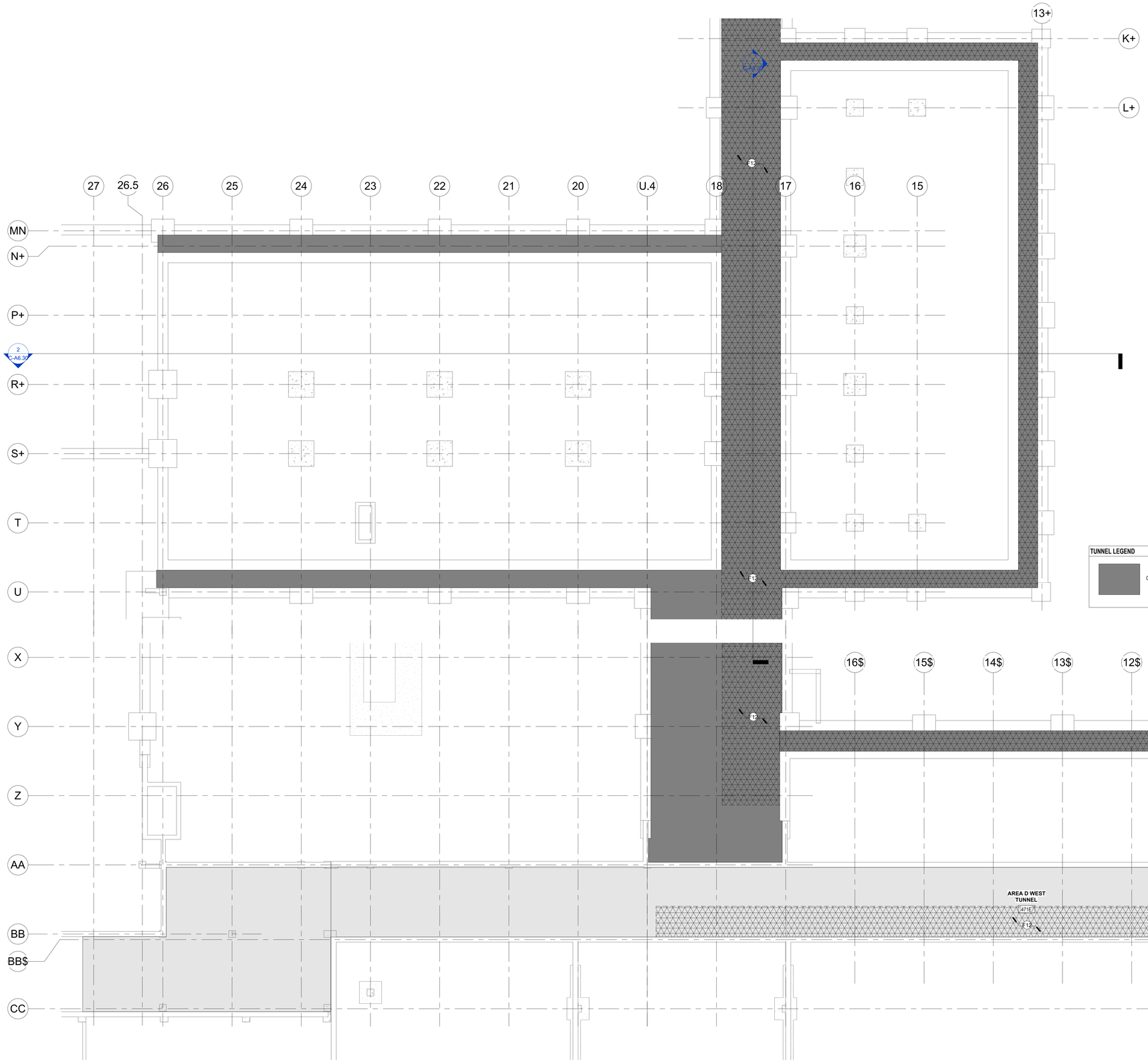
#	Description	Date

DRAWING TITLE:
AREA C - INTERIOR ELEVATIONS - DEMOLITION

C-A1.52

ISSUED FOR BID SET - 10.01.2026

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NORTH 1 AREA C - TUNNERL DEMOLITION PLAN
1/8" = 1'-0"

TUNNEL LEGEND

CRAWL SPACE

WALKABLE SPACE

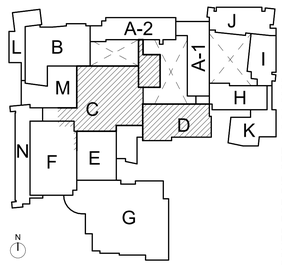
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FLOOR PLAN KEYNOTES - AREA C (F#)

1. PROVIDE AND INSTALL NEW RADIANT PANEL. PATCH AND REPAIR ANY GAPS OR OPENINGS LEFT FROM PREVIOUS UNIT TO MATCH SURROUNDING CONDITIONS. SEE INTERIOR ELEVATIONS AND MECHANICAL DRAWINGS FOR MORE INFORMATION.
2. PATCH AND REPAIR WALLS WHERE FIN TUBES WERE REMOVED TO MATCH SURROUNDING CONDITIONS AND FINISHES.
3. INSTALL NEW WALLS AND SINGLE DOOR INTO THE NEW OFFICE. ROOM IS TO BE RENOVATED FROM A MECHANICAL ROOM INTO A NEW OFFICE. NEW WALLS ARE TO EXTEND TO DECK ABOVE. SEE RCPS, FLOOR FINISH PLANS, DOOR SCHEDULE, AND WALL TYPES FOR MORE INFORMATION.
4. INSTALL NEW WALL TO SEPARATE EXISTING OFFICE FROM NEW OFFICE AS PART OF MECHANICAL ROOM TO NEW OFFICE RENOVATION. NEW WALL IS TO EXTEND TO DECK ABOVE. WALL FINISH TO MATCH EXISTING OFFICES.
5. INSTALL NEW FURRING WALL. WRAP WALL TO THE EXTENTS SHOWN. SEE WALL TYPES FOR MORE INFORMATION.
6. INSTALL NEW FLOORING AND NEW CEILING SYSTEM FOR THE MECHANICAL ROOM TO NEW OFFICE RENOVATION. REFER TO FLOOR FINISH PLANS, RCPS, MECHANICAL, AND ELECTRICAL DRAWINGS FOR MORE INFORMATION.
7. PATCH, INFILL, AN REPAIR WALL OPENING LEFT FROM DOOR AND DOOR FRAME REMOVAL. PATCH AREA TO MATCH SURROUNDING CONDITIONS AND FINISHES.
8. INSTALL NEW WALLS TO SEPARATE NEW RECEPTION AREA FROM OFFICE SUITE AREA. NEW WALLS ARE TO EXTEND TO THE DECK ABOVE.
9. INSTALL NEW WALLS, SINGLE DOORS, AND TRANSOM WINDOWS TO ENCLOSE NEW CONFERENCE ROOMS. WALLS ARE TO EXTEND TO THE DECK ABOVE. SEE SECTIONS FOR MORE INFORMATION.
10. INSTALL NEW 2X2 CEILING SYSTEM WITH ASSOCIATED LIGHTING FOR THE NEW RECEPTION AND OFFICE SUITE AREA. SEE RCPS AND ELECTRICAL DRAWINGS FOR MORE INFORMATION.
11. INSTALL NEW GYP CEILING IN CONFERENCE ROOMS AND PORTION OF OFFICE SUITE AREA. GYP CEILINGS ARE TO FOLLOW SLOPE OF THE EXISTING CEILING STRUCTURE. PROVIDE AND INSTALL NEW PENDANT LIGHTS. SEE SECTIONS, RCPS, AND ELECTRICAL DRAWINGS FOR MORE INFORMATION.
12. PROVIDE AND INSTALL NEW PIPING WITHIN THE HATCH REGION (TRIANGLE PATTERN) SHOWN. REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION.
13. PROVIDE NEW WALL CHASE TO ENCLOSE EXISTING STORM DRAIN PIPE.

KEY PLAN



CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

EAST AURORA SCHOOL DISTRICT #131
EAHS MECHANICAL IMPROVEMENTS -
PHASE III
500 TOMCAT LN.
AURORA, IL 60506

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CC JOB NUMBER 26-1012

DATE 10.01.2026

REVISIONS:

#	Description	Date

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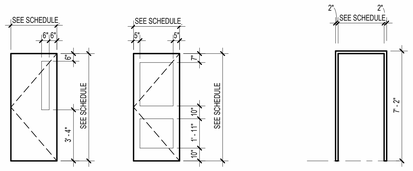
DRAWING TITLE:
AREA C - TUNNEL PLAN

C-A2.30

10/1/2026 2:33:16 PM

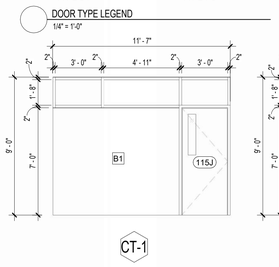
DOOR SCHEDULE

DOOR NO.	DOOR W	DOOR H	DOOR T	FRAME TYPE	FRAME MAT	FRAME FIN	FIRE RATING LABEL	HARDWARE SET	REMARKS
115G	3' - 0"	7' - 0"	1 3/4"	D1	WD	ST	SEE ELEV	HM	PT
115H	3' - 0"	7' - 0"	1 3/4"	D1	WD	ST	SEE ELEV	HM	PT
115I	3' - 0"	7' - 0"	1 3/4"	D1.	WD	ST	SEE ELEV	HM	PT
115J	3' - 0"	7' - 0"	1 3/4"	D1	WD	ST	SEE ELEV	HM	PT
A2-0	6' - 0"	7' - 11"	1 3/4"	FG	AL	ANOD	SEE ELEV	AL	ANOD



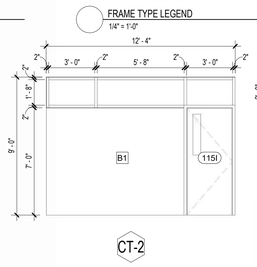
TYPE D1 TYPE FG TYPE F1

DOOR TYPE LEGEND
1/4" = 1'-0"

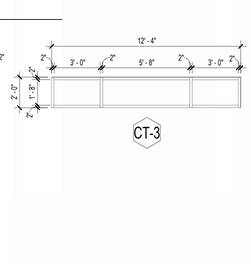


CT-1

FRAME TYPE LEGEND
1/4" = 1'-0"



CT-2



CC_ROOM FINISH SCHEDULE

ROOM	ROOM NAME	FLOOR	BASE	NORTH WALL MAT	NORTH WALL FIN	SOUTH WALL MAT	SOUTH WALL FIN	EAST WALL MAT	EAST WALL FIN	WEST WALL MAT	WEST WALL FIN	CEILING MAT	CEILING FIN	REMARKS
*1ST FLR AREA (A-1,D,H)														
115	OFFICE SUITE	CPT-1	RB	GYP	PT-1	GYP	PT-1	GYP	PT-1	GYP	PT-1	ACT		
115C	RECEPTION	CPT-1	RB	GYP	PT-1	GYP	PT-1	GYP	PT-1	GYP	PT-1	ACT	-	
115G	OFFICE	CPT-1	RB	GYP	PT-1	GYP	PT-1	GYP	PT-1	GYP	PT-1	ACT	-	
115H	CONFERENCE ROOM	CPT-1	RB	GYP	PT-1	GYP	PT-1	GLZ	ETR	GYP	PT-1	GYP	PT-1	
115I	CONFERENCE ROOM	CPT-1	RB	GYP	PT-1	GYP	PT-1	GLZ	ETR	GYP	PT-1	GYP	PT-1	
115J	CONFERENCE ROOM	CPT-1	RB	GYP	PT-1	GYP	PT-1	GLZ	ETR	GYP	PT-1	GYP	PT-1	

FLOOR FINISH LEGEND

CPT-1: CARPET TILE

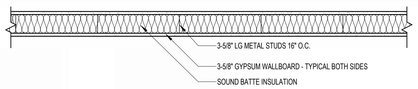
ETR: EXISTING TO REMAIN

FINISH MATERIAL LEGEND

GENERAL PAINT

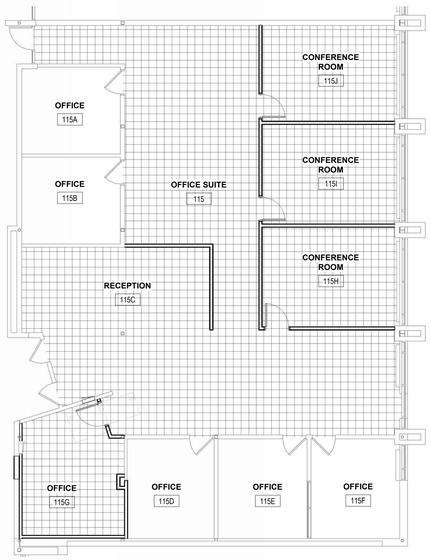
PT-1
MANUF: BENJAMIN MOORE
COLOR: SIMPLY WHITE OC-117

PT-2 (FOR ALL DOOR FRAMES)
MANUF: BENJAMIN MOORE
COLOR: IRON MOUNTAIN 2134-30

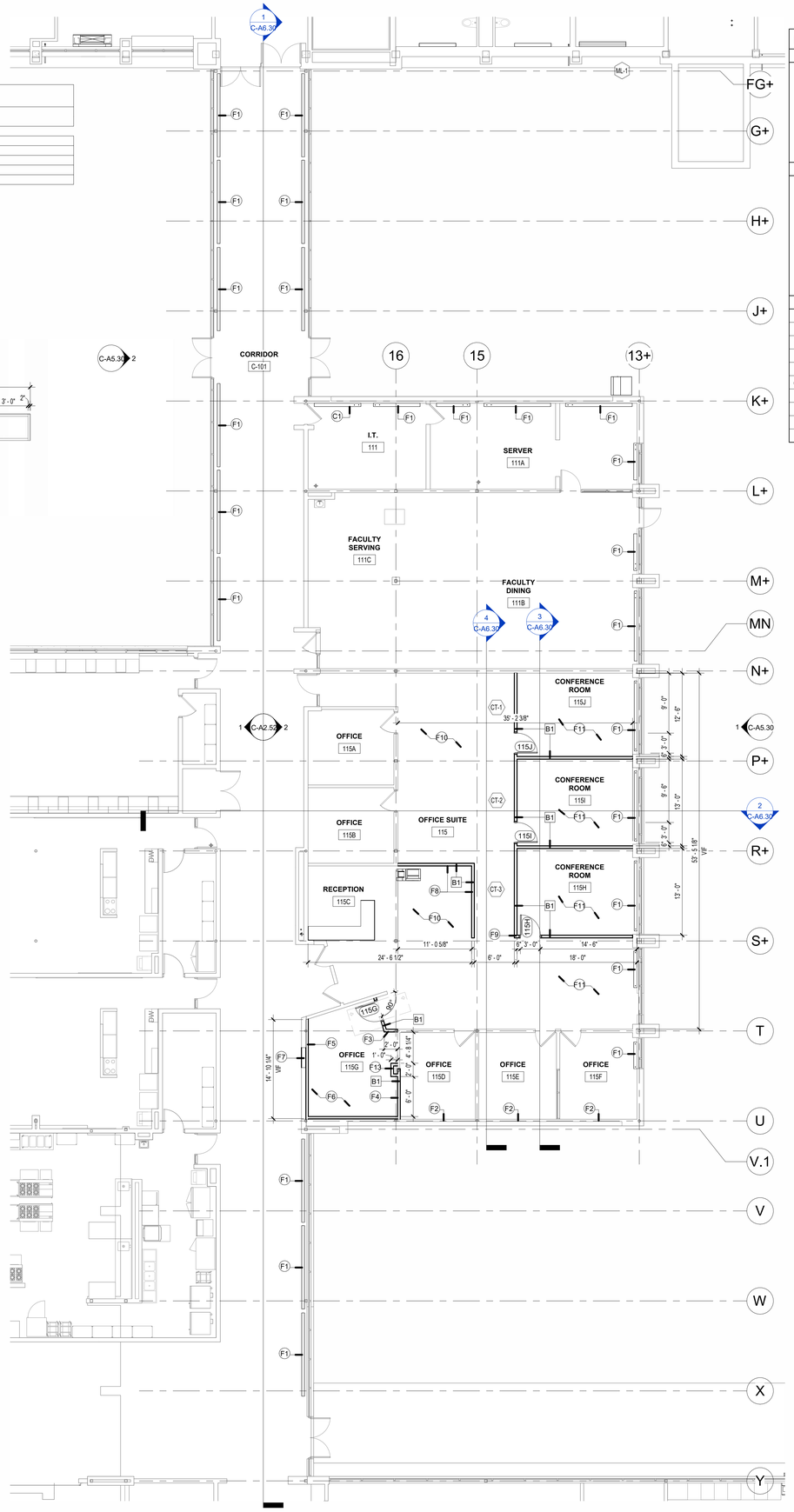


WALL TYPE B - INTERIOR WALL - LIGHT GAUGE STUD WALL

DETAIL	CMU THICKNESS	STUD SIZE	STUD SPACING	NOMINAL WALL THICKNESS	MAX. HEIGHT	FIRE RATING	FIRE TEST NO.
B1	-	3-5/8"	16" O.C.	4-7/8"	TO DECK	-	-



NORTH 2 AREA C - OFFICE SUITE - FLOOR FINISH PLAN
1/8" = 1'-0"



NORTH 1 AREA C - FIRST FLOOR PLAN
1/8" = 1'-0"

ROOM FINISH LEGEND & NOTES

GENERAL NOTES

1. ALL NEW MECHANICAL DUCTWORK AND PIPING TO BE PAINTED TO MATCH EXISTING.
2. REFER TO WALL PAINT FINISH PLANS AND PAINT SCHEDULES FOR PAINT COLORS.
3. SPRAY ACOUSTIC MATERIAL AT ROOF STRUCTURE IS NATO TO BE FIELD PAINTED. IT IS TO RECEIVE A CUSTOM COLOR TO MATCH THE EXPOSED STRUCTURE WHICH IS TO BE PAINTED IN THE FIELD.

NOTES

1. EXPOSED EXISTING STRUCTURE AND ANY NEW UNISTRUT TO BE PAINTED. DO NOT PAINT INSULATION.
2. GYPSUM BOARD SOFFITS ARE TO BE PAINTED PT-X. ALL OTHER GYPSUM BOARD CEILINGS ARE TO BE PAINTED PT-X.
3. XXX
4. XXX
5. XXX
6. XXX

LEGEND

ACT	ACOUSTICAL CEILING TILE	LIN	LINOLEUM SHEET FLOOR
AL	PREFINISHED ALUMINUM	LVT	VINYL TILE / PLANK FLOOR
B-CMU	BURNISHED CONCRETE MASONRY UNIT	PCT	PORCELAIN CERAMIC TILE
CFB	CEMENTITIOUS BACKER BOARD	PT	PAINT
CMU	CONCRETE MASONRY UNIT	PT-VB	PAINT VAPOR BARRIER
CONC-S	SEALED CONCRETE	RB	RUBBER BASE
CPT	CARPET TILE	RF	RUBBER FLOOR
ETR	EXISTING TO REMAIN	ST	STAIN FINISH
EXP	EXPOSED STRUCTURE		
GL	GLAZING		

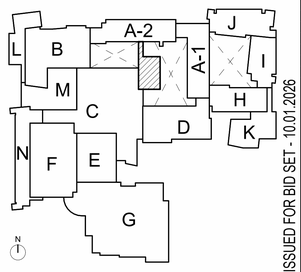
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12. PROVIDE AND INSTALL NEW PIPING WITHIN THE HATCH REGION (TRIANGLE PATTERN) SHOWN. REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION.
13. PROVIDE NEW WALL CHASE TO ENCLOSE EXISTING STORM DRAIN PIPE.

KEY PLAN



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ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

EAST AURORA SCHOOL DISTRICT #131
EAHS MECHANICAL IMPROVEMENTS - PHASE III
500 TOMCAT LN.
AURORA, IL 60506

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CC JOB NUMBER 26-1012

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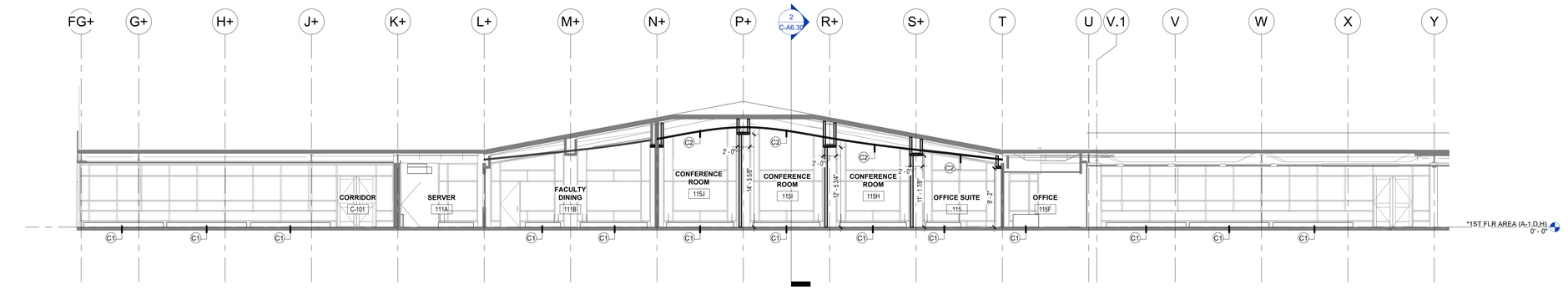
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DRAWING TITLE:
AREA C - FIRST FLOOR PLAN

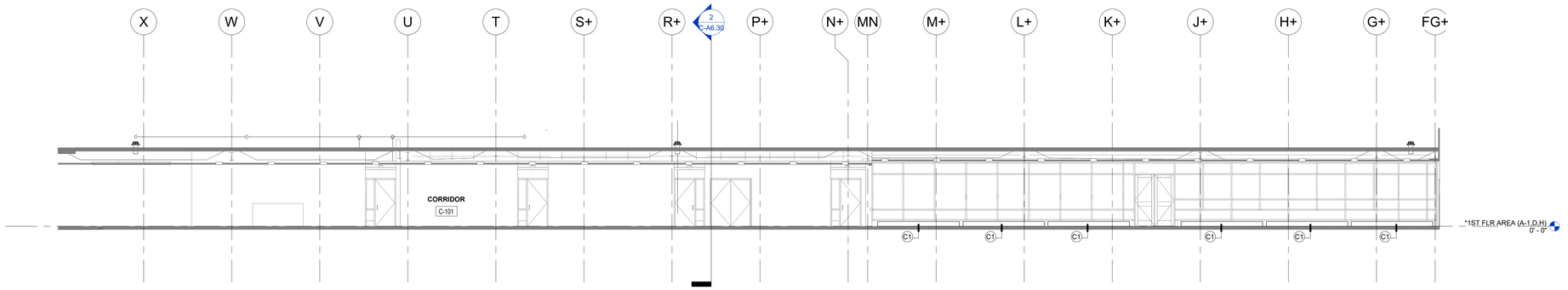
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2 AREA C - INTERIOR WEST ELEVATION
1/8" = 1'-0"



1 AREA C - INTERIOR EAST ELEVATION
1/8" = 1'-0"

GENERAL NOTES

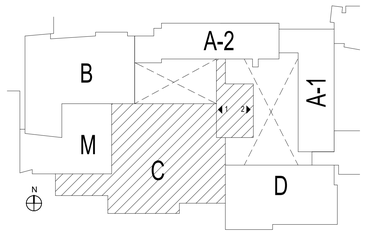
1. REFER TO DRAWING G1.00 FOR FULL GENERAL DEMOLITION NOTES.
2. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR FULL MECHANICAL, PLUMBING, AND ELECTRICAL DEMOLITION SCOPE OF WORK.
3. IN AREAS WHERE EXISTING WALLS, PARTITIONS, ETC. ARE TO BE REMOVED, IT SHALL BE NECESSARY TO REPAIR EXISTING CEILINGS, ADJUST AND RELOCATE OR REWIRE LIGHTING FIXTURES, AND REMOVE OR RELOCATE ELECTRICAL AND MECHANICAL COMPONENTS AS REQUIRED OR DIRECTED. DEMOLITION AREAS SHOWN ON PLAN ARE REPRESENTATIONAL ONLY AND SHOULD NOT BE CONSIDERED ALL ENCOMPASSING. CONTRACTOR WILL BE RESPONSIBLE FOR ALL REMOVAL AND REPLACEMENT OF ADJACENT CONSTRUCTION NECESSARY TO COMPLETE THE WORK.
4. WASH AND CLEAN ALL EXISTING INTERIOR HVAC GRILLES AND DIFFUSERS WHICH ARE TO REMAIN (CEILING AND WALL-MOUNTED, AND FREESTANDING AT EXPOSED CONSTRUCTION).
5. EXISTING WALLS, FLOORS, AND CEILINGS WHICH ARE DAMAGED AND ARE TO REMAIN SHALL BE PATCHED AND REBUILT AS REQUIRED TO MATCH SURROUNDING CONSTRUCTION, AT NO ADDITIONAL COST TO THE OWNER.
6. ACTIVE PIPES, CONDUITS, AND OTHER UTILITIES OF ALL TYPES, WHETHER SHOWN IN THE CONSTRUCTION DOCUMENTS OR NOT, MUST BE PROTECTED AT ALL TIMES DURING THE CONSTRUCTION OF THE WORK. EXTREME CARE SHALL BE EXERCISED AT ALL TIMES NOT TO DAMAGE ANY SUCH PIPES AND CONDUITS. WHERE DAMAGE OCCURS, CONTRACTOR CAUSING THE DAMAGE SHALL REPAIR SUCH DAMAGE IN A MANNER APPROVED BY THE ARCHITECT AND OWNER, AND AT NO CHANGE IN THE CONTRACT PRICES OF CONTRACTOR.
7. IN AREAS WHERE EXISTING DOORS, WINDOWS, ETC. ARE REQUIRED TO BE REMOVED TO DISPOSE OF EXISTING MECHANICAL SYSTEM, CONTRACTORS MUST REINSTALL, REPAIR, OR REBUILD CONDITION TO MATCH SURROUNDING CONSTRUCTION OR BETTER, AT NO ADDITIONAL COST TO THE OWNER.
8. ALL SUPPLY AND RETURN DIFFUSERS NOT ORIGINAL TO BUILDING AND ARE BEING ABANDONED SHALL BE REMOVED.
9. ALL CORING REQUIRED FOR NEW WORK IS TO BE INCLUDED IN THE BASE BID. ALL PENETRATIONS TO BE COORDINATED WITH ADJACENT STRUCTURE. REFER TO ROOM FINISH SCHEDULE FOR EXISTING WALL/ FLOOR/ CEILING MATERIALS. NO EXTRAS WILL BE CONSIDERED FOR MULTIPLE PASSES REQUIRED TO CORE THROUGH MULTIPLE MATERIALS. CLEANING OF ALL DEBRIS AND WET DRILL RUNOFF WILL BE REQUIRED TO RESTORE ADJACENT CONSTRUCTION TO ITS FORMER CONDITION.
10. PROTECT ALL FLOORS THROUGHOUT THE PROJECT PER THE GENERAL NOTES ON G1.00. ANY DAMAGE TO EXISTING FLOORS MUST BE REPLACED, IN KIND, AT THE EXPENSE OF THE CONTRACTOR CAUSING THE DAMAGE.
11. ALL PENETRATIONS THROUGH WALLS, FLOORS, CEILINGS ARE TO BE FIRE CAULKED. ALL FIRESTOPPING/CAULKING IS TO BE COMPLETED PRIOR TO THE INSTALLATION OF NEW CEILINGS.

NEW WORK KEYNOTES - AREA C INTERIOR ELEVATIONS

C#

1. PROVIDE AND INSTALL NEW RADIANT PANEL. PATCH AND REPAIR ANY GAPS OR OPENINGS LEFT FROM PREVIOUS UNIT TO MATCH SURROUNDING CONDITIONS. SEE INTERIOR ELEVATIONS AND MECHANICAL DRAWINGS FOR MORE INFORMATION.
2. PROVIDE AND INSTALL NEW GYPSUM CEILING IN NEW CONFERENCE ROOMS AND A PORTION OF THE OFFICE SUITE. PROVIDE NEW GYPSUM SOFFITS. SEE REFLECTED CEILING PLANS AND DETAILS FOR MORE INFORMATION.

KEY PLAN



CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

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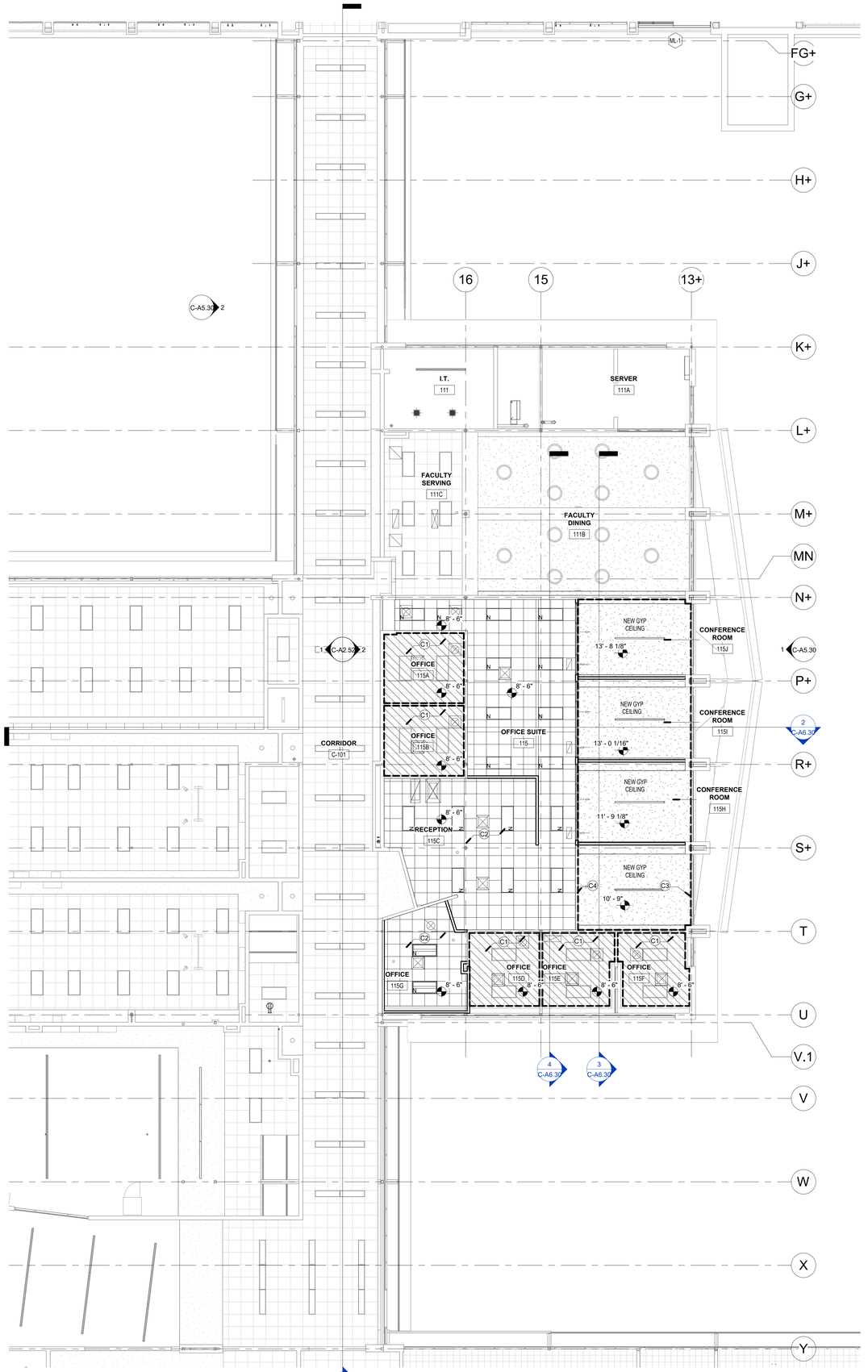
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AREA C - INTERIOR ELEVATIONS

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NORTH

1 AREA C - FIRST FLOOR - REFLECTED CEILING PLAN
1/8" = 1'-0"

REFLECTED CEILING PLAN KEYNOTES - AREA C

1. REMOVE EXISTING CEILING OR PORTION OF CEILING FOR MECHANICAL WORK. (HATCHED AREA). CAREFULLY SALVAGE ALL CEILING MOUNTED EQUIPMENT INCLUDING BUT NOT LIMITED TO LIGHTS, SMOKE DETECTORS, WAPS, PROJECTORS, ETC. CEILING AND ALL CEILING MOUNTED DEVICES ARE TO BE REINSTALLED..
2. INSTALL NEW 2X2 ACT CEILING SYSTEM. REFER TO SPECIFICATIONS FOR MORE INFORMATION - TYP.
3. REMOVE EXISTING ORIGINAL PLASTER CEILING INCLUDING ANGLED SOFFITS IN THEIR ENTIRETY. PROVIDE NEW GYP BOARD CEILING AND NEW GYPSUM ANGLED SOFFITS.
4. INSTALL NEW BULKHEADS, SOFFIT WALLS TO EXTEND TO DECK ABOVE.

GENERAL CEILING NOTES

1. REFER TO ELECTRICAL DRAWINGS AND SPECIALTY LIGHTING DRAWINGS FOR LIGHT FIXTURE INFORMATION.
2. REFER TO ELECTRICAL DRAWINGS FOR COORDINATION OF EXIT SIGNS, ETC.
3. REFER TO MECHANICAL AND FIRE PROTECTION DRAWINGS FOR COORDINATION OF DIFFUSERS, SPRINKLER HEADS, EQUIPMENT LOCATIONS, ETC.
4. SPRINKLER HEADS ARE TO BE CENTERED IN CEILING TILES, UNLESS NOTED OTHERWISE.
5. IN AREAS OF 2'x2' ACT WHERE LESS THAN 4" OF TILE WOULD BE REQUIRED TO FILL SPACE TO THE WALL, PROVIDE MATCHING 2'x4' TILE CUT AS REQUIRED TO FILL SPACE. DO NOT PROVIDE INTERVENING TEE GRID.
6. PROVIDE GYPSUM BOARD CONTROL JOINTS THE FULL LENGTH OF THE CEILING FOR A SPACING OF 30'-0" O.C. MAX.
7. METAL FRAMING PERFORMANCE CRITERIA: PROVIDE NECESSARY FRAMING, GAUGES, FASTENERS, ETC. TO LIMIT L/360 DEFLECTION AT ALL METAL FRAMING INSTALLATIONS.
8. ALL PENETRATIONS WITHIN FIRE RATED CEILINGS ARE TO BE SEALED WITH FIRE CAULKING TO MAINTAIN THE SPECIFIED U.L. DESIGN.
9. UNLESS OTHERWISE NOTED, ALL ELEVATIONS SHOWN ARE ABOVE FINISHED FLOOR (A.F.F.).
10. REFER TO ELECTRICAL SHEETS FOR ALL NEW LIGHTING AND EXISTING LIGHTING MODIFICATION WORK REQUIREMENTS.
11. WHILE EVERY EFFORT HAS BEEN MADE TO ENSURE THE ACCURACY OF EXISTING CEILING HEIGHTS AND DIMENSIONS, THE CONTRACTOR WILL ULTIMATELY BE RESPONSIBLE FOR ALL FIELD MEASUREMENTS PRIOR TO COMMENCEMENT OF WORK. ALL MEASUREMENTS SHOWN ARE FOR REFERENCE ONLY.
12. PATCH AND PAINT ALL HOLES IN EXISTING PLASTER CEILING LEFT FROM FORMER LOCATIONS OF RELOCATED SURFACE MOUNTED LIGHT FIXTURES. COORDINATE LIGHTS AFFECTED WITH ELECTRICAL DRAWINGS. SOME ADDITIONAL PATCHING/PAINTING MAY BE REQUIRED WHERE EXISTING LIGHTS MAY NOT HAVE BEEN INDICATED ON PLANS.
13. RE-INSTALL ALL EXISTING CEILING MOUNTED EQUIPMENT INCLUDING SPEAKERS, EXISTING SIGNS, SMOKE DETECTORS, MOTION DETECTORS, FANS, PROJECTORS, ETC. AT THEIR ORIGINAL LOCATIONS.
14. ALL WALL MOUNTED ITEMS AFFECTED BY THE INSTALLATION OF NEW CEILINGS ARE TO BE LOWERED AS REQUIRED BY THE NEW WORK.
15. ALL CHANGE ORDERS DUE TO THE LACK OF COORDINATION WITH ALL CONTRACT DOCUMENTS (INCLUDING ALL DISCIPLINES), LACK OF DOCUMENTED WALK-THRUS PRIOR TO BIDDING AND REASONABLY UNFORESEEN CIRCUMSTANCES WILL NOT BE CONSIDERED. ALL WORK REQUIRED FOR INSTALLATION OF ALL SYSTEMS IS REQUIRED.
16. REMOVE EXISTING CEILING AS REQUIRED TO ACCOMMODATE NEW MECHANICAL SYSTEMS, HEIGHTS SHOWN ON REFLECTED CEILING PLANS ARE ASSUMED, MAKE CEILING HEIGHT AS TALL AS POSSIBLE BASED ON INSTALLED EQUIPMENT. REINSTALL ALL CEILINGS, LIGHTS, FIRE DEVICES, ETC IN THEIR PREVIOUS CONDITIONS. REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION.
17. PATCH AND MATCH WALLS/CEILINGS AT ALL RELOCATED LIGHTS.
18. A MOCKUP OF A TYPICAL CEILING HUNG BLOWER COIL SHALL BE CREATED AND APPROVED BY THE ARCHITECT/ENGINEER PRIOR TO INSTALLATION OF THE REMAINDER OF THE BLOWER COILS
19. MECHANICAL EQUIPMENT, DUCTS, PIPING, ETC. SHOWN ON ARCHITECTURAL DRAWINGS ARE FOR REFERENCE ONLY. SEE MECHANICAL DRAWINGS AND SPECIFICATIONS FOR MECHANICAL DETAILS AND SCOPE.

IMPORTANT: "PRIOR TO COMMENCEMENT OF THE MECHANICAL WORK, ALL EXISTING LED LIGHT FIXTURES AND CONTROLS THAT ARE TO BE IMPACTED BY THE WORK SHALL BE CAREFULLY REMOVED BY ELECTRICAL CONTRACTOR (E.C.) TO CONTRACTOR'S SECURE STORAGE PRIOR TO CEILING DEMOLITION. COORDINATE WITH THE MECHANICAL CONTRACTOR. PROVIDE TEMPORARY LIGHTING AS NEEDED. E.C. SHALL RE-INSTALL SALVAGED LED LIGHTS FIXTURES AND CONTROLS PER NEW CEILING AND FLOOR PLANS. RESTORE LIGHTING AMD CONTROLS TO ORIGINAL WORKING ORDER AND INCLUDE ANY CONTROL PROGRAMMING NEEDED. COORDINATE WITH THE FIXTURE MANUFACTURER(S) FOR CONTINUITY OF THE EXISTING 20 YEAR PARTS AND LABOR WARRANTY AT THE CONCLUSION OF THE WORK; DO NOT MAKE UNAUTHORIZED MODIFICATIONS OR SUBSTITUTIONS WITHOUT THE MANUFACTURER'S AGREEMENT."

NOTE: WHERE ROLLER SHADES ARE EFFECTED BY NEW WORK, THE CONTRACTOR SHALL REMOVE, MODIFY AND REINSTALL AS REQUIRED TO MAINTAIN FUNCTIONS WITH THE NEW ALTERATIONS.

REFLECTED CEILING LEGEND

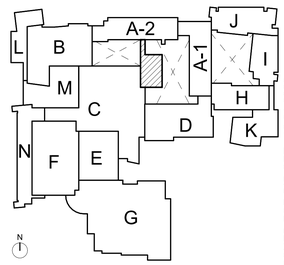
- EXISTING RECESSED 2'x4' LIGHT FIXTURE
- EXISTING RECESSED 2'x2' LIGHT FIXTURE
- EXISTING 2'x2' ACOUSTICAL CEILING TILES
- EXISTING 2'x4' ACOUSTICAL CEILING TILES
- EXISTING PERFORATED SUPPLY GRILLE
- EXISTING DIFFUSER
- EXISTING EXHAUST VENT
- NEW PENDANT LIGHT FIXTURE
- REMOVE AND REINSTALL EXISTING CEILINGS AND LIGHTS FOR ABOVE CEILING MECHANICAL WORK. HATCHED AREAS SHOWN FOR REFERENCE ONLY. CONTRACTOR TO COORDINATE WITH MECHANICAL DRAWINGS AND REMOVE/REINSTALL CEILINGS/LIGHTS TO EXTENT REQUIRED TO ACCOMPLISH MECHANICAL WORK.

LIGHTING LABEL LEGEND

N	NEW FIXTURE, REFER TO ELECTRICAL
R	RELOCATED FIXTURE, REFER TO ELECTRICAL

NOTE: LIGHTS SHOWN WITHOUT LABELS ARE TO BE ASSUMED EXISTING TO REMAIN. WHERE WORK REQUIRES THE REMOVAL AND REINSTALLATION OF EXISTING LIGHTS NOT LABELED, THE CONTRACTOR WILL BE RESPONSIBLE TO DO SO AT NO ADDITIONAL COST TO THE OWNER.

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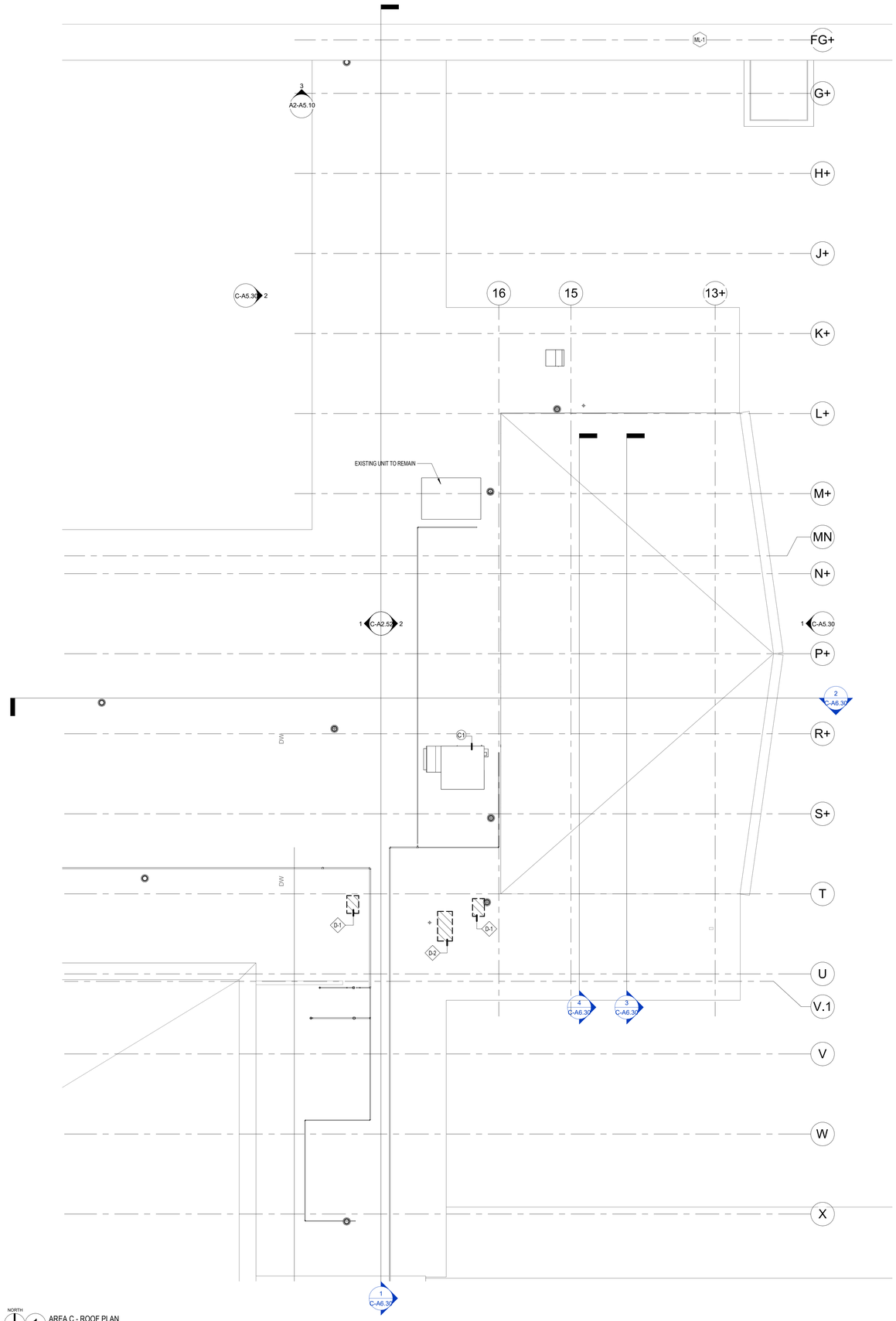
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DRAWING TITLE: AREA C - FIRST FLOOR - RELFECTED CEILING PLAN

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NORTH 1 AREA C - ROOF PLAN
1/8" = 1'-0"

GENERAL ROOFING NOTES

1. REFER TO MECHANICAL ROOF PLAN FOR BOILER SYSTEM ROOM PENETRATIONS.
2. PATCH ROOF TO MATCH EXISTING ADJACENT ROOF SYSTEM AS REQUIRED FOR ALL NEW MECHANICAL PENETRATIONS. REFERENCE MECHANICAL DRAWINGS FOR ROOF PENETRATION LOCATIONS, QUANTITIES, AND TYPES
3. ALL MECHANICAL EQUIPMENT INCLUDING INSULATED ROOF CURBS SHALL BE PROVIDED AND INSTALLED. REFER TO MECHANICAL DRAWINGS FOR ROOF PENETRATIONS AND ROOF TOP EQUIPMENT.
4. ALL PLUMBING VENTS SHALL BE PROVIDED AND INSTALLED. REFER TO PLUMBING DRAWINGS FOR ROOF PENETRATIONS AND ROOF TOP EQUIPMENT.
5. ALL ROOF TERMINATIONS AND COUNTERFLASHING AT MECHANICAL AND PLUMBING ROOF PENETRATIONS SHALL BE PROVIDED AND INSTALLED. THE FULL ROOF WARRANTY AND GUARANTEE OF WATER RESISTANCE SHALL BE PROVIDED IN FULL.
6. ALL TAPERED INSULATION, B.U.R. ROOFING, ROOF TERMINATIONS, BLOCKING, COUNTERFLASHING, AND PENETRATION FLASHING SHALL BE PROVIDED.
7. ALL TAPERED INSULATION SHALL PROVIDE A MINIMUM 1/4"=1'-0" SLOPE.
8. ALL INSULATION JOINTS, HORIZONTAL AND VERTICAL, TO BE STAGGERED.
9. ALL ROOF PENETRATIONS, INCLUDING VENT STACKS, ROOF CURBS, AND PIPE SUPPORT CURBS, ARE TO BE A MINIMUM OF 8" ABOVE THE ROOF MEMBRANE.
10. ALL COUNTER FLASHING, COPING, AND MISCELLANEOUS METAL FLASHING PIECES ARE TO HAVE SEALANT APPLIED AT THE END CONDITION.
11. ALL EXPOSED FASTENERS TO BE CORROSIVE RESISTANT, HAVE NEOPRENE WASHERS, AND TO BE COVERED WITH SEALANT FOLLOWING ARCHITECT'S APPROVAL.
12. DRAINS TO BE FLASHED PER MANUFACTURER'S SPECIFICATION.
13. PROVIDE THROUGH-WALL COUNTER-FLASHING FOR ALL VERTICAL FLANGES, END WALL FLASHING, AND ROOF INTERSECTIONS.
14. INSTALL SADDLES ON THE HIGH SIDE OF ALL ROOF PENETRATION DETAILS.
15. ALL OPENINGS FROM REMOVED EQUIPMENT SHALL BE MODIFIED FOR NEW EQUIPMENT OR CLOSED TO MATCH ADJACENT ROOF SYSTEM PER EXISTING ROOF MANUFACTURER'S WARRANTY REQUIREMENTS.
16. REFER TO MECHANICAL & PLUMBING DRAWINGS FOR FULL SCOPE OF ROOF PENETRATIONS. COORDINATE ALL FLASHINGS W/ OTHER TRADES, TYP.
17. PROVIDE NEW EQUIPMENT CURBS AND REQUIRED STRUCTURAL REINFORCING AT ALL NEW ROOF TOP UNITS.

ROOF DEMOLITION KEYNOTES - AREA C (D#)

1. REMOVE EXISTING MECHANICAL HOOD AND ASSOCIATED CURB IN ITS ENTIRETY. PATCH AND REPAIR ROOF TO MATCH EXISTING SURROUNDING CONDITIONS. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
2. REMOVE EXISTING CONDENSING UNIT WITH ASSOCIATED REFRIGERANT PIPING AND CONTROLS IN THEIR ENTIRETY. PATCH AND REPAIR ROOF TO MATCH EXISTING SURROUNDING CONDITIONS. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.

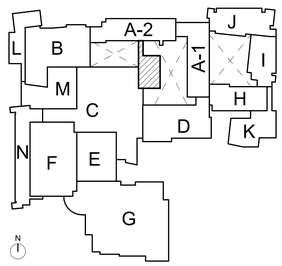
ROOF NEW WORK KEYNOTES - AREA C (F#)

1. PROVIDE AND INSTALL NEW ROOFTOP UNIT INCLUDING ALL ASSOCIATED DUCTWORK, PIPING, AND CONTROLS. PROVIDE TYPICAL MECHANICAL EQUIPMENT CURB. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.

SYMBOLS AND ABBREVIATIONS

- RD OD — EXISTING ROOF DRAIN/ OVERFLOW DRAIN TO REMAIN
- EF/GV — EXISTING ROOF MOUNTED EXHAUST FAN/ GRAVITY VENT TO REMAIN
- VTR/RP — EXISTING VENT THROUGH ROOF/ ROOF PENETRATION TO REMAIN
- LT — EXISTING LIGHT TO REMAIN
- GS — EXISTING GOOSENECK SUPPLY DUCT TO REMAIN
- RTE — EXISTING ROOF TOP EQUIPMENT TO REMAIN
- SL — EXISTING SKYLIGHT TO REMAIN
- SC/DS — EXISTING SCUPPER AND DOWNSPOUT TO REMAIN
- SLOPED — FLAT INSULATION OVER SLOPED STRUCTURE
- AT — ANTENNA
- SADDLE ON HIGH SIDE OF MECHANICAL EQUIPMENT, PROVIDE TYPICAL
- **NEW WORK**
- **EXISTING TO REMAIN**
- EJ — EXPANSION JOINT
- EXISTING CONDUIT PIPE TO REMAIN
- EXISTING GAS LINE TO REMAIN. REMOVE AND REPLACE SURFACE-MOUNTED SUPPORTS AS SPECIFIED
- (N) **NEW ITEM**
- (D) **DEMO EXISTING**
- RH — EXISTING ROOF HATCH TO REMAIN
- RL — EXISTING ROOF LADDER TO REMAIN
- TAPERED INSULATION, 1/4" PER FOOT
- TAPERED INSULATION, 1/2" PER FOOT

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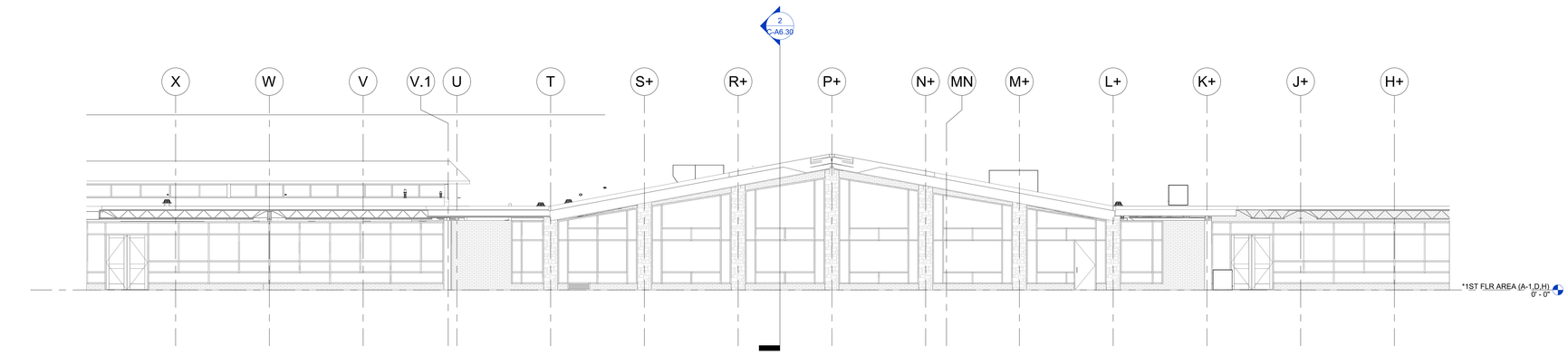
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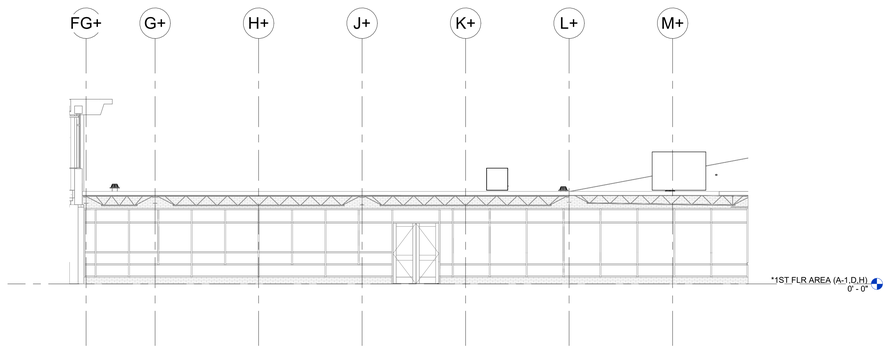
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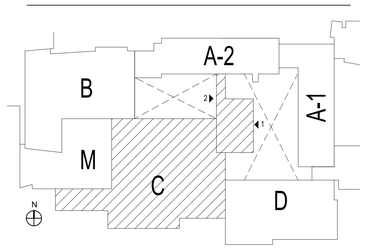


1 AREA C - EAST ELEVATION
1/8" = 1'-0"



2 AREA C - WEST ELEVATION
1/8" = 1'-0"

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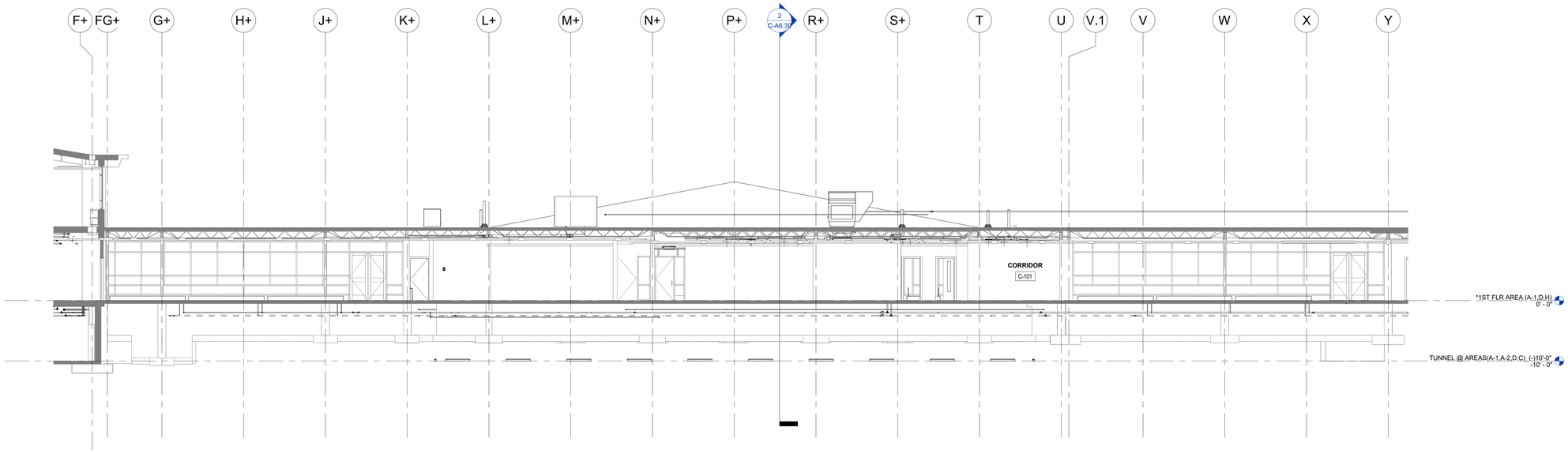
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AREA C - EXTERIOR ELEVATIONS

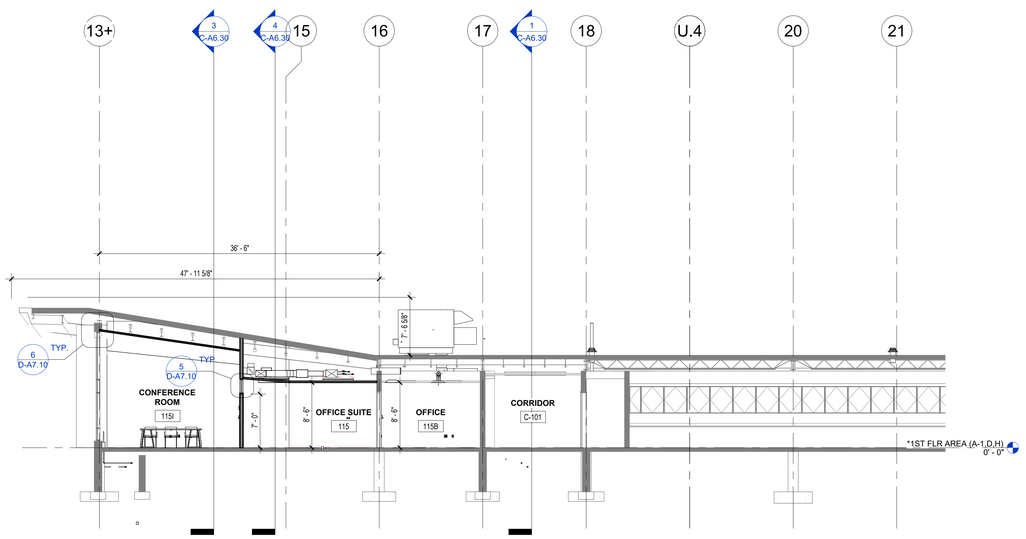
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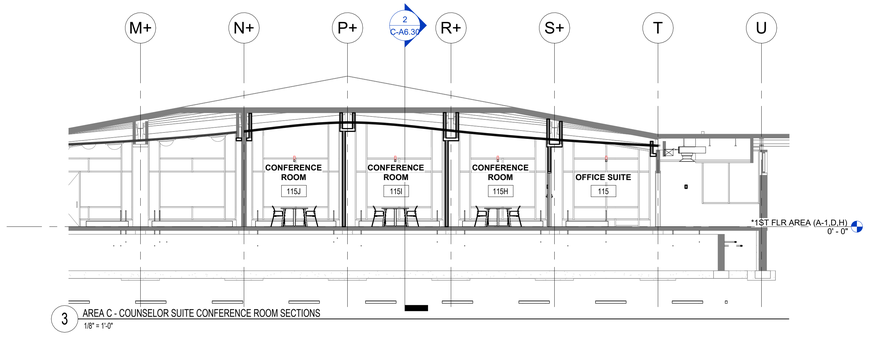
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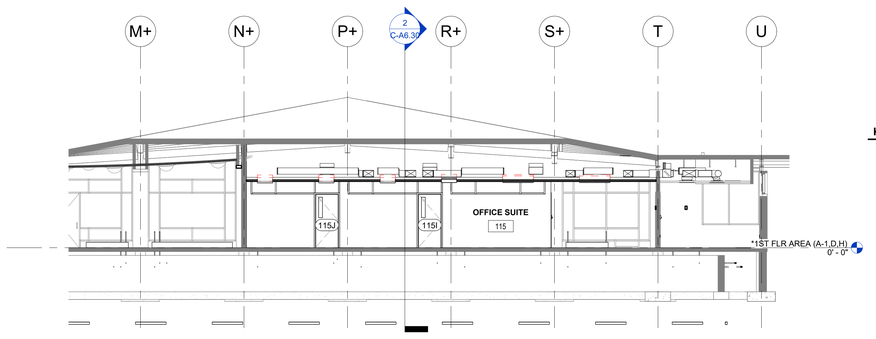
1 AREA C - BUILDING SECTION
1/8" = 1'-0"



2 AREA C - CROSS SECTION
1/8" = 1'-0"

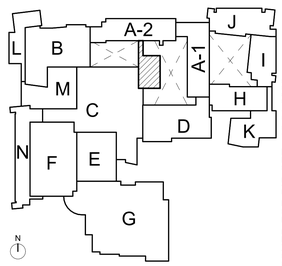


3 AREA C - COUNSELOR SUITE CONFERENCE ROOM SECTIONS
1/8" = 1'-0"



4 AREA C - COUNSELOR SUITE SECTION
1/8" = 1'-0"

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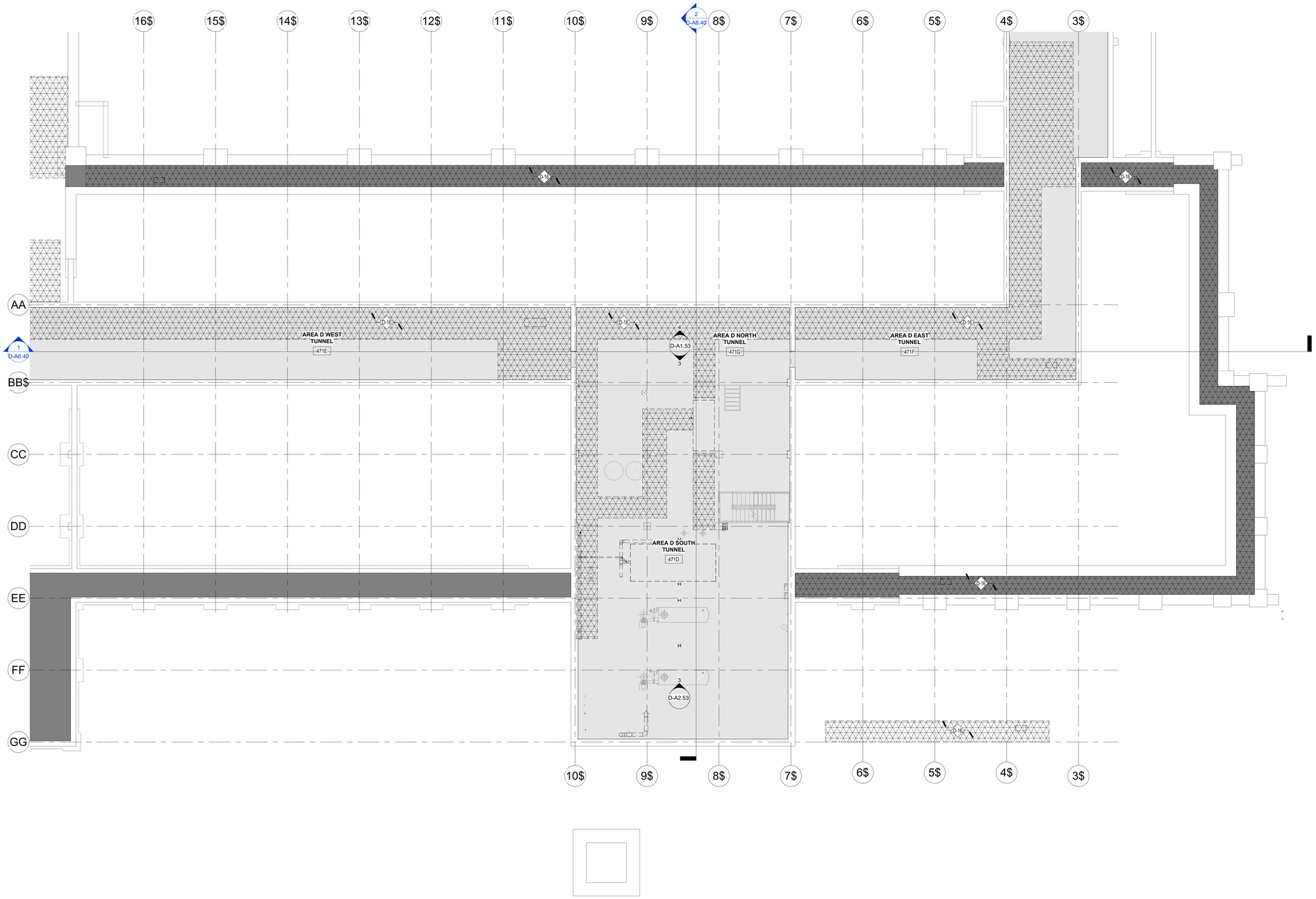
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DRAWING TITLE:
AREA C - BUILDING SECTIONS

C-A6.30

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NORTH 1 AREA D - TUNNEL - DEMOLITION PLAN
1/8" = 1'-0"

GENERAL NOTES

1. REFER TO DRAWING G1.00 FOR FULL GENERAL DEMOLITION NOTES.
2. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR FULL MECHANICAL, PLUMBING, AND ELECTRICAL DEMOLITION SCOPE OF WORK.
3. IN AREAS WHERE EXISTING WALLS, PARTITIONS, ETC. ARE TO BE REMOVED, IT SHALL BE NECESSARY TO REPAIR EXISTING CEILINGS, ADJUST AND RELOCATE OR REWIRE LIGHTING FIXTURES, AND REMOVE OR RELOCATE ELECTRICAL AND MECHANICAL COMPONENTS AS REQUIRED OR DIRECTED. DEMOLITION AREAS SHOWN ON PLAN ARE REPRESENTATIONAL ONLY AND SHOULD NOT BE CONSIDERED ALL ENCOMPASSING. CONTRACTOR WILL BE RESPONSIBLE FOR ALL REMOVAL AND REPLACEMENT OF ADJACENT CONSTRUCTION NECESSARY TO COMPLETE THE WORK.
4. WASH AND CLEAN ALL EXISTING INTERIOR HVAC GRILLES AND DIFFUSERS WHICH ARE TO REMAIN (CEILING AND WALL-MOUNTED, AND FREESTANDING AT EXPOSED CONSTRUCTION).
5. EXISTING WALLS, FLOORS, AND CEILINGS WHICH ARE DAMAGED AND ARE TO REMAIN SHALL BE PATCHED AND REBUILT AS REQUIRED TO MATCH SURROUNDING CONSTRUCTION, AT NO ADDITIONAL COST TO THE OWNER.
6. ACTIVE PIPES, CONDUITS, AND OTHER UTILITIES OF ALL TYPES, WHETHER SHOWN IN THE CONSTRUCTION DOCUMENTS OR NOT, MUST BE PROTECTED AT ALL TIMES DURING THE CONSTRUCTION OF THE WORK. EXTREME CARE SHALL BE EXERCISED AT ALL TIMES NOT TO DAMAGE ANY SUCH PIPES AND CONDUITS. WHERE DAMAGE OCCURS, CONTRACTOR CAUSING THE DAMAGE SHALL REPAIR SUCH DAMAGE IN A MANNER APPROVED BY THE ARCHITECT AND OWNER, AND AT NO CHANGE IN THE CONTRACT PRICES OF CONTRACTOR.
7. IN AREAS WHERE EXISTING DOORS, WINDOWS, ETC. ARE REQUIRED TO BE REMOVED TO DISPOSE OF EXISTING MECHANICAL SYSTEM, CONTRACTORS MUST REINSTALL, REPAIR, OR REBUILD CONDITION TO MATCH SURROUNDING CONSTRUCTION OR BETTER, AT NO ADDITIONAL COST TO THE OWNER.
8. ALL SUPPLY AND RETURN DIFFUSERS NOT ORIGINAL TO BUILDING AND ARE BEING ABANDONED SHALL BE REMOVED.
9. ALL CORING REQUIRED FOR NEW WORK IS TO BE INCLUDED IN THE BASE BID. ALL PENETRATIONS TO BE COORDINATED WITH ADJACENT STRUCTURE. REFER TO ROOM FINISH SCHEDULE FOR EXISTING WALL/ FLOOR/ CEILING MATERIALS. NO EXTRAS WILL BE CONSIDERED FOR MULTIPLE PASSES REQUIRED TO CORE THROUGH MULTIPLE MATERIALS. CLEANING OF ALL DEBRIS AND WET DRILL RUNOFF WILL BE REQUIRED TO RESTORE ADJACENT CONSTRUCTION TO ITS FORMER CONDITION.
10. PROTECT ALL FLOORS THROUGHOUT THE PROJECT PER THE GENERAL NOTES ON G1.00. ANY DAMAGE TO EXISTING FLOORS MUST BE REPLACED, IN KIND, AT THE EXPENSE OF THE CONTRACTOR CAUSING THE DAMAGE.
11. ALL PENETRATIONS THROUGH WALLS, FLOORS, CEILINGS ARE TO BE FIRE CAULKED. ALL FIRESTOPPING/CAULKING IS TO BE COMPLETED PRIOR TO THE INSTALLATION OF NEW CEILINGS.

DEMOLITION KEYNOTES - AREA D (D#)

1. REMOVE PORTIONS OF CASEWORK TO THE DASHED EXTENTS SHOWN AS IMPACTED BY MECHANICAL FIN TUBE REMOVAL WORK. PREP AREA FOR NEW WORK. REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION. NOTE: IN AREAS WHERE FIN TUBES ARE TO BE ABANDONED IN PLACE CASEWORK IS TO REMAIN. PIPING FOR FIN TUBE IS TO BE CAPPED BELOW THE FLOOR. SEE MECHANICAL DRAWINGS.
2. REMOVE EXISTING UNIT VENTILATOR IN ITS ENTIRETY. PIPES, CONDUITS, AND OTHER UTILITIES SHALL BE REMOVED. ANY MECHANICAL LOUVERS PAIRED TO A UNIT VENTILATOR ARE ALSO TO BE REMOVED. MASONRY OPENING FROM LOUVER REMOVAL IS TO BE MODIFIED. THE FLOOR, WALLS, AND CEILING AFFECTED BY ITS DEMOLITION SHALL BE PATCHED AND REBUILT TO MATCH THE SURROUNDING CONSTRUCTION. ADJACENT CASEWORK IS TO BE REMOVED WHERE APPLICABLE. PREP AREA FOR NEW WORK.
3. REMOVE EXISTING FIN TUBE IN ITS ENTIRETY, PIPES, CONDUITS, AND OTHER UTILITIES SHALL BE REMOVED. FLOOR, WALLS, CEILINGS AFFECTED BY ITS DEMOLITION SHALL BE PATCHED AND REBUILT TO MATCH THE SURROUNDING CONSTRUCTION. PREP AREA TO RECEIVE NEW RADIANT PANELS. SEE DEMOLITION INTERIOR ELEVATIONS AND SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
4. EXISTING CABINET UNIT HEATER HOUSING TO BE DEMOLISHED. SURROUNDING MASONRY TO BE DEMOLISHED AS REQUIRED IN PREPARATION FOR WALL TO RECEIVE A NEW LARGER UNIT.
5. REMOVE PORTIONS OF PIPE CHASES OR MASONRY WALLS TO ACCESS STEAM AND CONDENSATE PIPING AS IMPACTED BY MECHANICAL PIPING WORK. PIPE CHASES ARE TO BE PATCHED AND REPAIRED ONCE MECHANICAL PIPING WORK IS COMPLETED. REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION.
6. REMOVE EXISTING MECHANICAL UNIT HEATERS, EXHAUST DUCTWORK, AND SUPPLY DUCTWORK WITHIN THE HATCHED REGION (ZIGZAG PATTERN) SHOWN. PREP AREA TO RECEIVE NEW DUCTWORK AND CEILING MOUNTED UNIT HEATERS. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
7. REMOVE EXISTING VENTILATING SUPPLY SYSTEM, INCLUDING ALL ASSOCIATED PIPING, DUCTWORK, AND CONTROLS WITHIN THE HATCHED REGION (ZIGZAG PATTERN) SHOWN. PREP AREA TO RECEIVE NEW DUCTWORK. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
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12. REMOVE EXISTING INFRARED TUBE HEATER. INCLUDING ASSOCIATED CONTROLS WITHIN THE HATCHED REGION (ZIGZAG PATTERN) SHOWN. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
13. DEMOLISH EXISTING CEILING IN THE HATCH REGION (DIAMOND PATTERN) SHOWN. INCLUDING EXISTING LIGHT FIXTURES. PREP AREA TO RECEIVE NEW CEILING. SEE REFLECTED CEILING PLANS FOR MORE INFORMATION.
14. DEMOLISH PORTION OF MECHANICAL PLATFORM TO THE DASHED EXTENTS SHOWN IN ITS ENTIRETY. INCLUDING THE ASSOCIATED GUARDRAILS OR SUPPORTS. THE GRATED AREA OF PLATFORM IS TO REMAIN. SEE STRUCTURAL DRAWINGS FOR MORE INFORMATION.
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17. REMOVE EXISTING ABANDONED VENT PIPE AND ASSOCIATED SUPPORTS IN THEIR ENTIRETY. PATCH AND REPAIR ROOF SYSTEM TO MATCH SURROUNDING CONDITIONS.

ABATEMENT COORDINATION NOTE

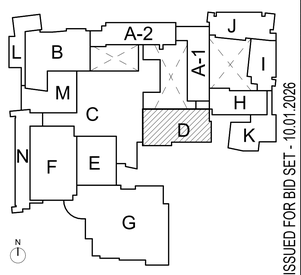
EXISTING BOILER (AREA D) TO BE DEMOLISHED BY ABATEMENT CONTRACTOR UNDER A SEPARATE CONTRACT. COORDINATE NEW MECHANICAL WORK WITH ABATEMENT CONTRACTOR.

TUNNEL LEGEND

CRAWL SPACE

WALKABLE SPACE

KEY PLAN



CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

EAST AURORA SCHOOL DISTRICT #131
EAHS MECHANICAL IMPROVEMENTS -
PHASE III
500 TOMCAT LN.
AURORA, IL 60506

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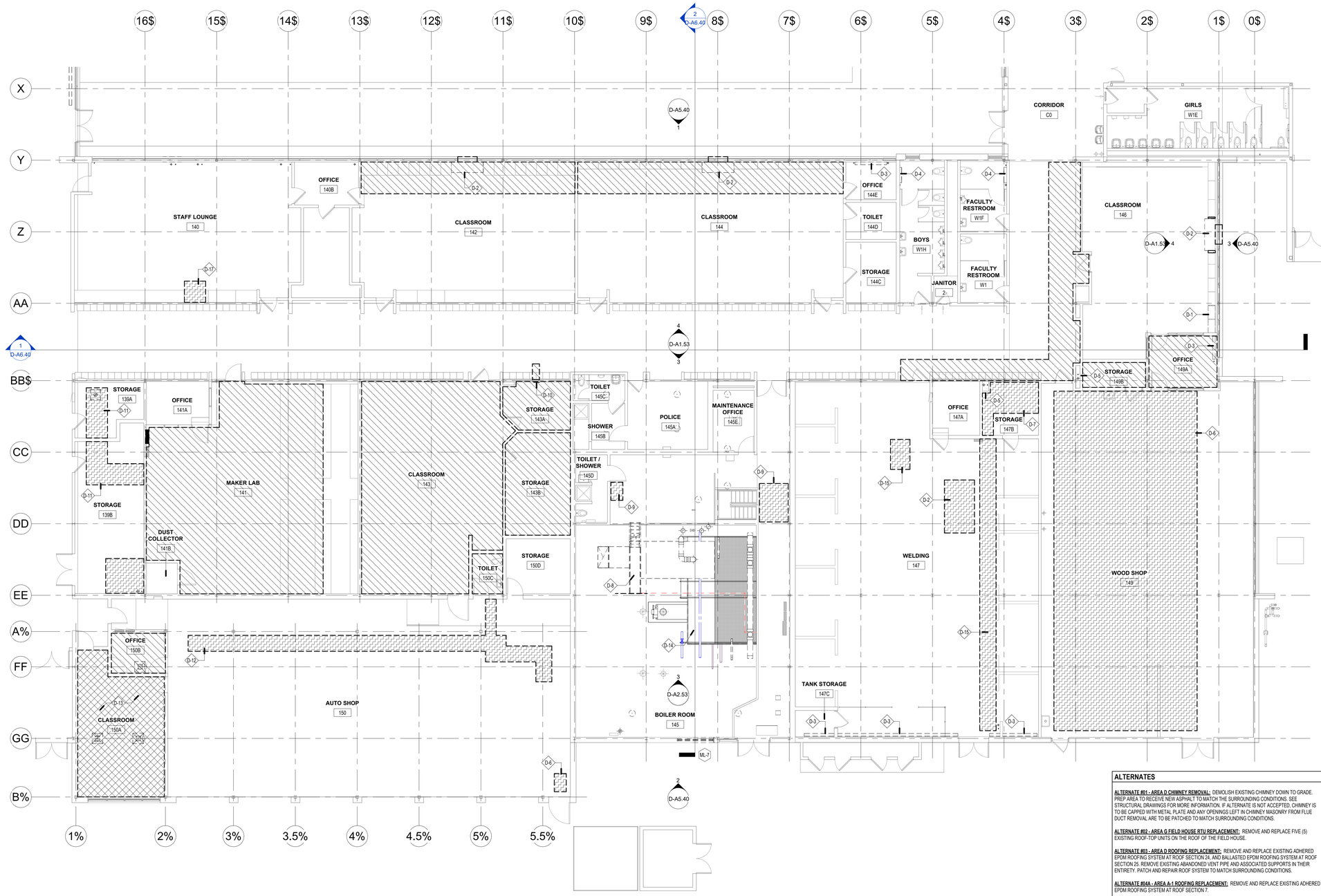
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NORTH 1 AREA D - FIRST FLOOR - DEMOLITION PLAN
1/8" = 1'-0"

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ALTERNATES

ALTERNATE #01 - AREA D CHIMNEY REMOVAL: DEMOLISH EXISTING CHIMNEY DOWN TO GRADE. PREP AREA TO RECEIVE NEW ASPHALT TO MATCH THE SURROUNDING CONDITIONS. SEE STRUCTURAL DRAWINGS FOR MORE INFORMATION. IF ALTERNATE IS NOT ACCEPTED, CHIMNEY IS TO BE CAPPED WITH METAL PLATE AND ANY OPENINGS LEFT IN CHIMNEY MASONRY FROM FLUE DUCT REMOVAL ARE TO BE PATCHED TO MATCH SURROUNDING CONDITIONS.

ALTERNATE #02 - AREA G FIELD HOUSE RTU REPLACEMENT: REMOVE AND REPLACE FIVE (5) EXISTING ROOF-TOP UNITS ON THE ROOF OF THE FIELD HOUSE.

ALTERNATE #03 - AREA D ROOFING REPLACEMENT: REMOVE AND REPLACE EXISTING ADHERED EPDM ROOFING SYSTEM AT ROOF SECTION 24, AND BALLASTED EPDM ROOFING SYSTEM AT ROOF SECTION 25. REMOVE EXISTING ABANDONED VENT PIPE AND ASSOCIATED SUPPORTS IN THEIR ENTIRETY. PATCH AND REPAIR ROOF SYSTEM TO MATCH SURROUNDING CONDITIONS.

ALTERNATE #04A - AREA A-1 ROOFING REPLACEMENT: REMOVE AND REPLACE EXISTING ADHERED EPDM ROOFING SYSTEM AT ROOF SECTION 7.

ALTERNATE #04B - AREA K ROOFING REPLACEMENT: REMOVE AND REPLACE EXISTING ADHERED EPDM ROOFING SYSTEM AT ROOF SECTION 12.

ALTERNATE #05A - AREA J & AREA I ROOFING REPLACEMENT: REMOVE AND REPLACE EXISTING BALLASTED EPDM ROOFING SYSTEM OVER THE OFFICE AREAS, SPECIFICALLY AT ROOF SECTIONS 8, 10, 11, 13, AND 15.

ALTERNATE #05B - AREA K ROOFING REPLACEMENT: REMOVE AND REPLACE EXISTING BALLASTED EPDM ROOFING SYSTEM OVER THE OFFICE AREAS, SPECIFICALLY AT ROOF SECTIONS 16 ,17, AND 20.

ALTERNATE #05C - AREA J, AREA I, & AREA K ROOFING REPLACEMENT: REMOVE AND REPLACE EXISTING ADHERED EPDM STANDING SEAM ROOFING SYSTEM AT ROOF SECTIONS 9, 14, AND 19.

ALTERNATE #06A - AREA G ROOFING REPLACEMENT: REMOVE AND REPLACE EXISTING BALLASTED EPDM ROOFING SYSTEM AT ROOF SECTIONS 36, 37, AND 40.

ALTERNATE #06B - AREA G ROOFING REPLACEMENT: REMOVE AND REPLACE EXISTING ADHERED EPDM ROOF SYSTEM OVER THE BARREL ROOF AT ROOF SECTION 39.

ALTERNATE #07 - EAHS MECHANICAL SERVICE AGREEMENT: THE MECHANICAL CONTRACTOR SHALL PROVIDE AND ALTERNATE BID NUMBER TO PROVIDE A MECHANICAL SERVICE AGREEMENT OF 2 YEARS AFTER THE COMPLETION OF THE PROJECT. THE SERVICE AGREEMENT SHALL PROVIDE A QUARTERLY FILTER REPLACEMENT FOR ALL EQUIPMENT WITH FILTERS, SEASONAL SPRING AND FALL CLEANING TO REMOVE COTTONWOOD AND OTHER DEBRIS FROM CONDENSER COILS AND EQUIPMENT LOCATED OUTDOORS, AND CHANGING OF BOILER COMBUSTION AIR FILTERS. EQUIPMENT TUNE UPS ARE REQUIRED EVERY 6 MONTHS, INCLUDING BUT NOT LIMITED TO, VERIFICATION OF GAS HEATING EQUIPMENT OPERATION IN THE FALL AND VERIFICATION OF DX COOLING PERFORMANCE IN THE SPRING. OTHER MANUFACTURER-REQUIRED EQUIPMENT MAINTENANCE IS TO BE PERFORMED AT MANUFACTURER-SPECIFIED INTERVALS.

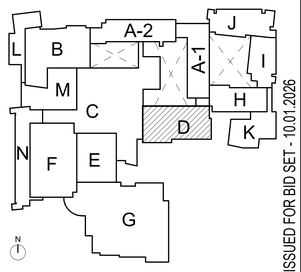
FLOOR PLAN LEGEND - CEILING REMOVAL

REMOVE EXISTING CEILINGS AND LIGHTS AS REQUIRED FOR ABOVE CEILING MECHANICAL WORK. HATCHED AREAS ARE SHOWN ONLY FOR REFERENCE. CONTRACTOR IS TO COORDINATE WITH MECHANICAL DRAWINGS AND REMOVE CEILINGS AND LIGHTS TO EXTENT REQUIRED TO ACCOMPLISH MECHANICAL WORK. CAREFULLY SALVAGE ALL CEILINGS AND CEILING MOUNTED EQUIPMENT INCLUDING BUT NOT LIMITED TO LIGHTS, SMOKE DETECTORS, WAPS, PROJECTORS, ETC. FOR REINSTALLATION. REFER TO REFLECTED CEILING PLANS FOR EXISTING CEILING MATERIALS (NOT SHOWN HERE FOR CLARITY).

ABATEMENT COORDINATION NOTE

EXISTING BOILER (AREA D) TO BE DEMOLISHED BY ABATEMENT CONTRACTOR UNDER A SEPARATE CONTRACT. COORDINATE NEW MECHANICAL WORK WITH ABATEMENT CONTRACTOR.

KEY PLAN



CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

EAST AURORA SCHOOL DISTRICT #131
EAHS MECHANICAL IMPROVEMENTS - PHASE III
500 TOMCAT LN.
AURORA, IL 60506

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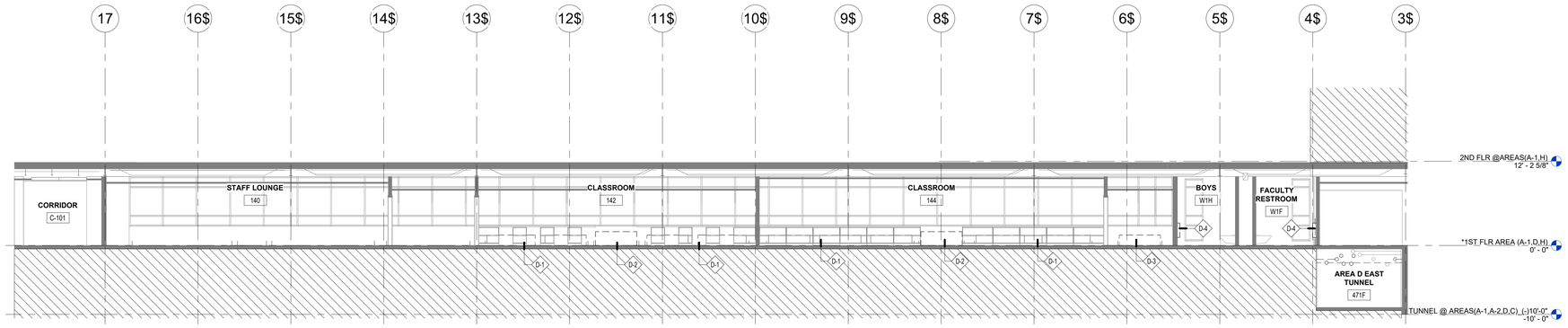
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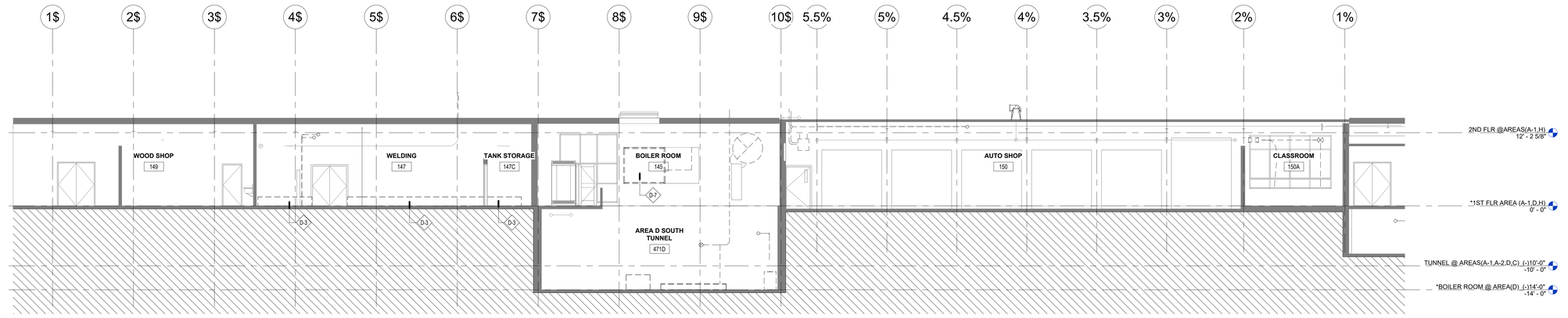
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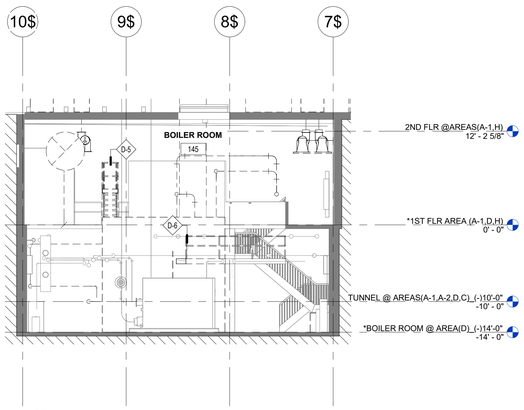
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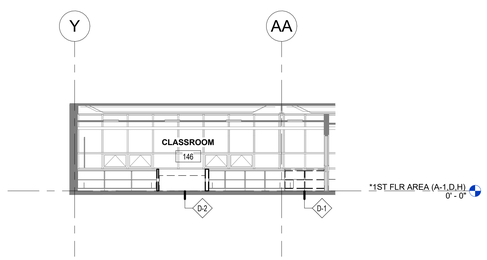
4 AREA D - INTERIOR NORTH ELEVATION - DEMOLITION
1/8" = 1'-0"



3 AREA D - INTERIOR SOUTH ELEVATION - DEMOLITION
1/8" = 1'-0"



2 AREA D - INTERIOR BOILER ROOM DEMOLITION - SOUTH ELEVATION
1/8" = 1'-0"



1 AREA D - INTERIOR CLASSROOM DEMOLITION - WEST ELEVATION
1/8" = 1'-0"

GENERAL NOTES

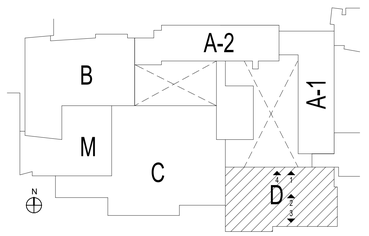
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8. ALL SUPPLY AND RETURN DIFFUSERS NOT ORIGINAL TO BUILDING AND ARE BEING ABANDONED SHALL BE REMOVED.
9. ALL CORING REQUIRED FOR NEW WORK IS TO BE INCLUDED IN THE BASE BID. ALL PENETRATIONS TO BE COORDINATED WITH ADJACENT STRUCTURE. REFER TO ROOM FINISH SCHEDULE FOR EXISTING WALL/ FLOOR/ CEILING MATERIALS. NO EXTRAS WILL BE CONSIDERED FOR MULTIPLE PASSES REQUIRED TO CORE THROUGH MULTIPLE MATERIALS. CLEANING OF ALL DEBRIS AND WET DRILL RUNOFF WILL BE REQUIRED TO RESTORE ADJACENT CONSTRUCTION TO ITS FORMER CONDITION.
10. PROTECT ALL FLOORS THROUGHOUT THE PROJECT PER THE GENERAL NOTES ON G1.00. ANY DAMAGE TO EXISTING FLOORS MUST BE REPLACED, IN KIND, AT THE EXPENSE OF THE CONTRACTOR CAUSING THE DAMAGE.
11. ALL PENETRATIONS THROUGH WALLS, FLOORS, CEILINGS ARE TO BE FIRE CAULKED. ALL FIRESTOPPING/CAULKING IS TO BE COMPLETED PRIOR TO THE INSTALLATION OF NEW CEILINGS.

DEMOLITION KEYNOTES - AREA D INTERIOR ELEVATIONS

D#

1. REMOVE PORTIONS OF CASEWORK TO THE DASHED EXTENTS SHOWN AS IMPACTED BY MECHANICAL FIN TUBE REMOVAL WORK. PREP AREA FOR NEW WORK. REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION.
2. REMOVE EXISTING UNIT VENTILATOR IN ITS ENTIRETY. PIPES, CONDUITS, AND OTHER UTILITIES SHALL BE REMOVED. ANY MECHANICAL LOUVERS PAIRED TO A UNIT VENTILATOR ARE ALSO TO BE REMOVED. MASONRY OPENING FROM LOUVER REMOVAL IS TO BE MODIFIED. THE FLOOR, WALLS, AND CEILING AFFECTED BY ITS DEMOLITION SHALL BE PATCHED AND REBUILT TO MATCH THE SURROUNDING CONSTRUCTION. ADJACENT CASEWORK IS TO BE REMOVED WHERE APPLICABLE. PREP AREA FOR NEW WORK.
3. REMOVE EXISTING FIN TUBE IN ITS ENTIRETY, PIPES, CONDUITS, AND OTHER UTILITIES SHALL BE REMOVED. FLOOR, WALLS, CEILINGS AFFECTED BY ITS DEMOLITION SHALL BE PATCHED AND REBUILT TO MATCH THE SURROUNDING CONSTRUCTION. PREP AREA TO RECEIVE NEW RADIANT PANELS. SEE DEMOLITION INTERIOR ELEVATIONS AND SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
4. EXISTING CABINET UNIT HEATER HOUSING TO BE DEMOLISHED. SURROUNDING MASONRY TO BE DEMOLISHED AS REQUIRED IN PREPARATION FOR WALL TO RECEIVE A NEW LARGER UNIT.
5. REMOVE EXISTING STAIR, GUARDRAILS, AND CATWALK IN ITS ENTIRETY. INCLUDING ANY ASSOCIATED SUPPORTS.
6. DEMOLISH PORTION OF MECHANICAL PLATFORM TO THE DASHED EXTENTS SHOWN IN ITS ENTIRETY, INCLUDING THE ASSOCIATED GUARDRAILS OR SUPPORTS. THE GRATED AREA OF PLATFORM IS TO REMAIN. SEE STRUCTURAL DRAWINGS FOR MORE INFORMATION.
7. REMOVE EXISTING MECHANICAL LOUVER IN ITS ENTIRETY. PREP AREA TO RECEIVE NEW MECHANICAL LOUVER. NOTE: NEW LOUVER WIDTH WILL BE SMALLER IN WIDTH. PATCH AND INFILL MASONRY WALL TO MATCH SURROUNDING CONDITIONS. SEE EXTERIOR ELEVATIONS AND MECHANICAL DRAWINGS FOR MORE INFORMATION.

KEY PLAN



CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

EAST AURORA SCHOOL DISTRICT #131
EAHS MECHANICAL IMPROVEMENTS - PHASE III
500 TOMCAT LN.
AURORA, IL 60506

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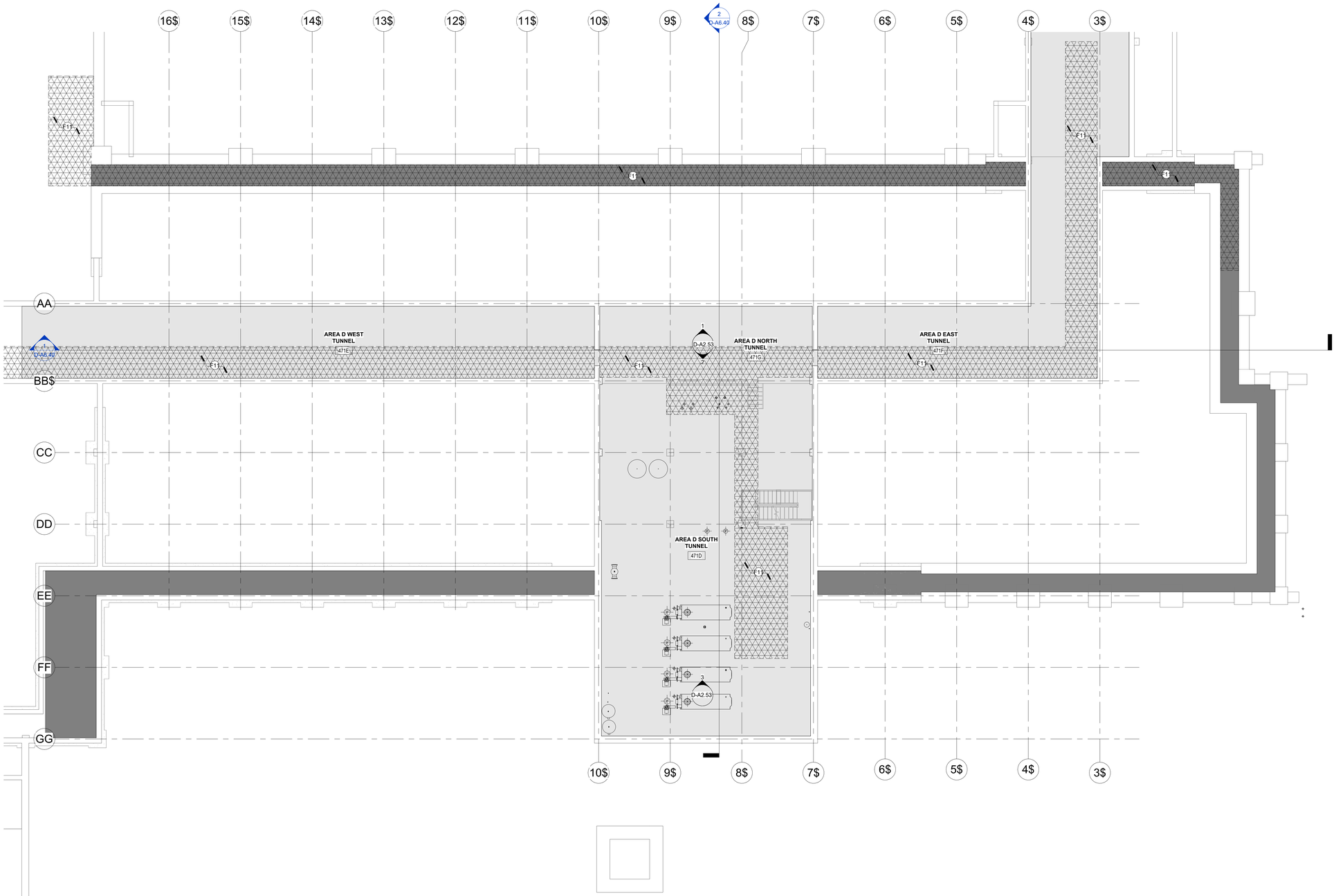
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DRAWING TITLE:
AREA D - INTERIOR ELEVATIONS - DEMOLITION

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NORTH

1 AREA D - TUNNEL PLAN

1/8" = 1'-0"

GENERAL NOTES

1. REFER TO DRAWING G1.00 FOR FULL GENERAL DEMOLITION NOTES.
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4. WASH AND CLEAN ALL EXISTING INTERIOR HVAC GRILLES AND DIFFUSERS WHICH ARE TO REMAIN (CEILING AND WALL-MOUNTED, AND FREESTANDING AT EXPOSED CONSTRUCTION).
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FLOOR PLAN KEYNOTES - AREA D (F8)

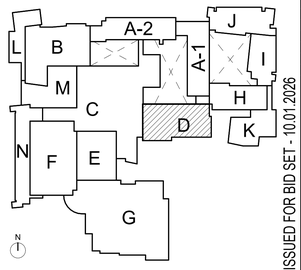
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4. PATCH AND REPAIR MASONRY WALL OPENING LEFT FROM FIN TUBE REMOVAL TO MATCH SURROUNDING CONDITIONS.
5. PROVIDE AND INSTALL NEW MECHANICAL CEILING MOUNTED UNIT HEATERS, EXHAUST DUCTWORK, AND SUPPLY DUCTWORK WITHIN THE HATCHED REGION (ZIGZAG PATTERN) SHOWN. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
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10. PATCH AND INFILL MASONRY WALL OPENING LEFT FROM REMOVAL OF FLUE DUCT TIED TO EXISTING CHIMNEY. IF ALTERNATE TO REMOVE CHIMNEY IS NOT ACCEPTED PATCH AND INFILL OPENING LEFT IN CHIMNEY WITH MASONRY TO MATCH SURROUNDING CONDITIONS. SEE EXTERIOR ELEVATIONS AND MECHANICAL DRAWINGS FOR MORE INFORMATION.
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12. PROVIDE AND INSTALL NEW BOLLARDS AROUND THE EXISTING GENERATOR.

TUNNEL LEGEND

CRAWL SPACE

WALKABLE SPACE

KEY PLAN



CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

EAST AURORA SCHOOL DISTRICT #131
EAHS MECHANICAL IMPROVEMENTS -
PHASE III
500 TOMCAT LN.
AURORA, IL 60506

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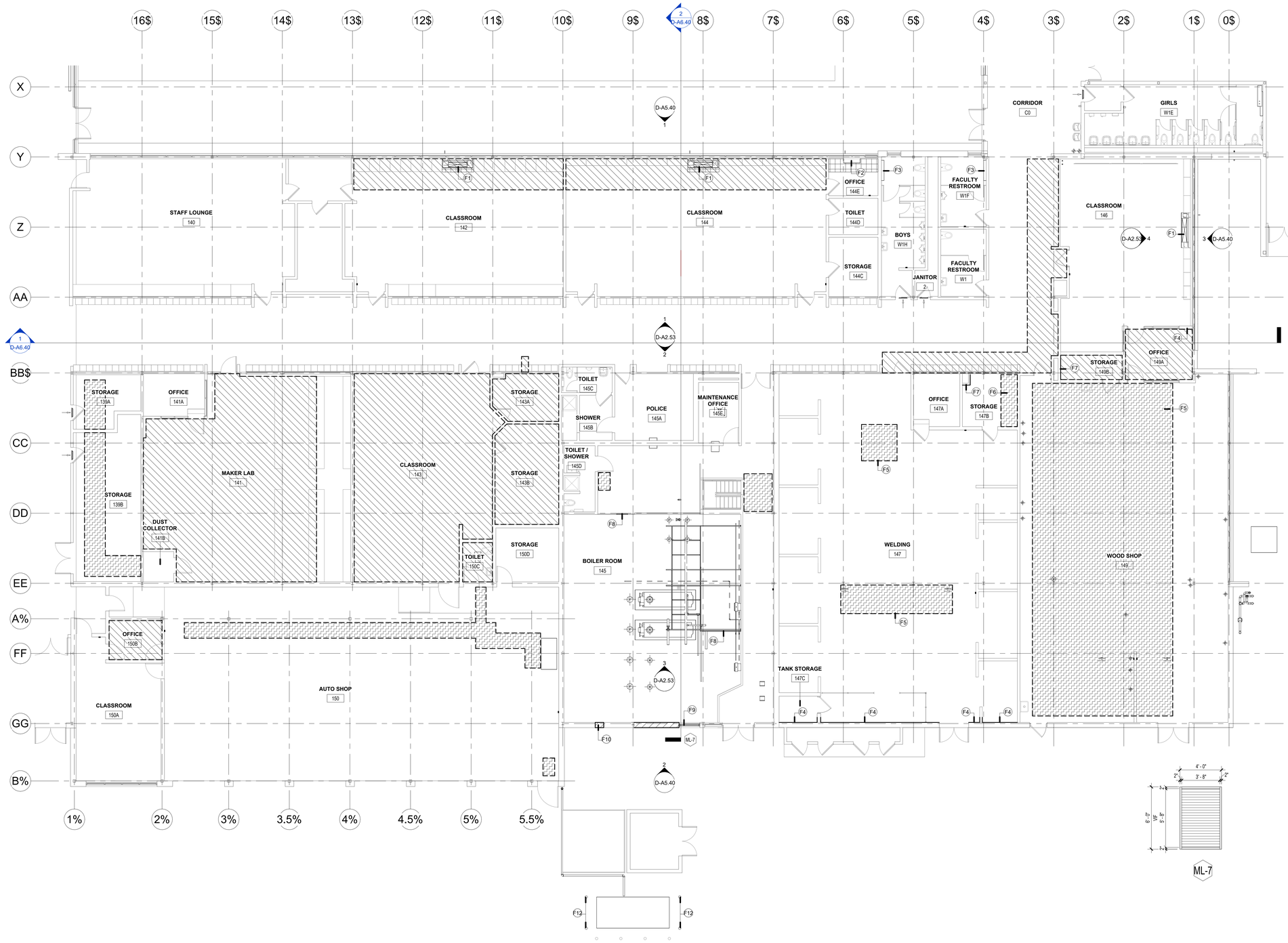
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AREA D - TUNNEL PLAN

D-A2.40

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NORTH 1 AREA D - FIRST FLOOR PLAN
1/8" = 1'-0"

GENERAL NOTES

1. REFER TO DRAWING G1.00 FOR FULL GENERAL DEMOLITION NOTES.
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11. PROVIDE AND INSTALL NEW PIPING WITHIN THE HATCH REGION (TRIANGLE PATTERN) SHOWN. REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION.
12. PROVIDE AND INSTALL NEW BOLLARDS AROUND THE EXISTING GENERATOR.

FLOOR PLAN LEGEND - CEILING REINSTALLATION

REINSTALL SALVAGED CEILINGS AND LIGHTS AFTER COMPLETION OF ABOVE CEILING MECHANICAL WORK. HATCHED AREAS ARE SHOWN ONLY FOR REFERENCE. CAREFULLY REINSTALL ALL SALVAGED CEILING MOUNTED EQUIPMENT INCLUDING BUT NOT LIMITED TO LIGHTS, SMOKE DETECTORS, WAPS, PROJECTORS, ETC. TO THEIR ORIGINAL LOCATIONS. SEE MECHANICAL PLANS FOR DUCT LAYOUTS AND NEW DIFFUSER LOCATIONS.

GLAZING NOTES AND LEGEND

IGU-1 — **LAMINATED** CLEAR INSULATED GLAZING UNIT. REFER TO SPECIFICATIONS. LAMINATED GLAZING TO BE BASE BID.

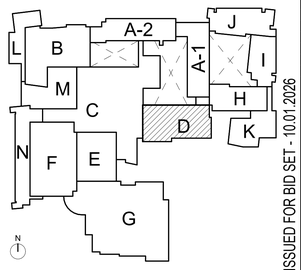
IGU-2 — INSULATED SPANDREL GLAZING UNIT. REFER TO SPECIFICATIONS.

MECHANICAL LOUVER UNIT. REFER TO SPECIFICATIONS.

OPERABLE AWNING-STYLE WINDOW. PROVIDE INSECT SCREEN WITH ACCESS PANELS TO OPERABLE HANDLES.

1. PURSUANT TO 2015 IBC 2406 SAFETY GLAZING PROVIDE FULLY TEMPERED GLAZING IN THE FOLLOWING SITUATIONS ON THIS PROJECT:
   A. ALL GLAZING IN DOORS.
   B. ALL GLAZING IN RAILINGS.
   C. ALL GLAZING PANELS LARGER THAN 9 SQ FT IN AREA.

KEY PLAN (A) FRAME DESIGNATION



CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

EAST AURORA SCHOOL DISTRICT #131
EAHS MECHANICAL IMPROVEMENTS - PHASE III
500 TOMCAT LN.
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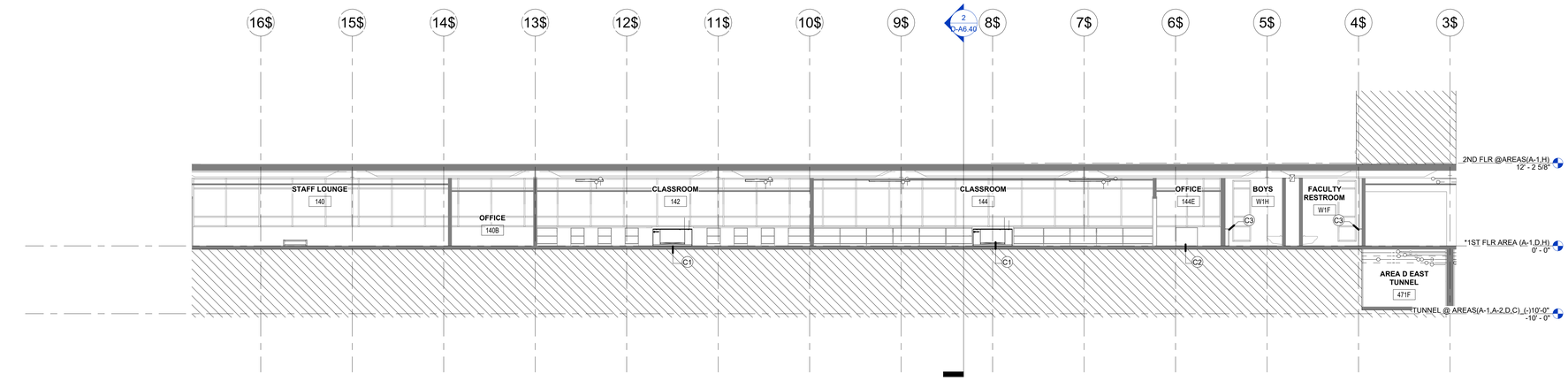
#	Description	Date

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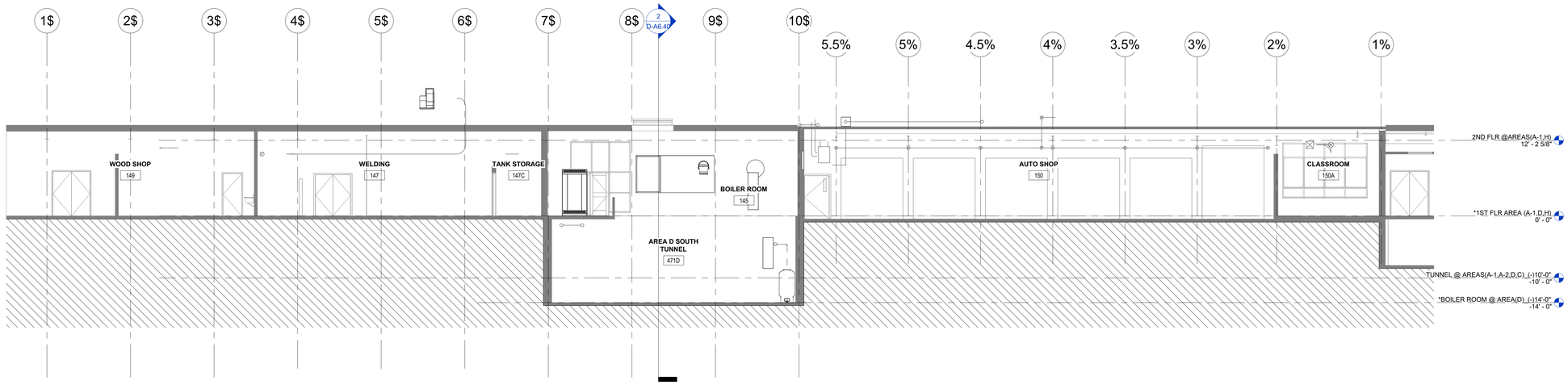
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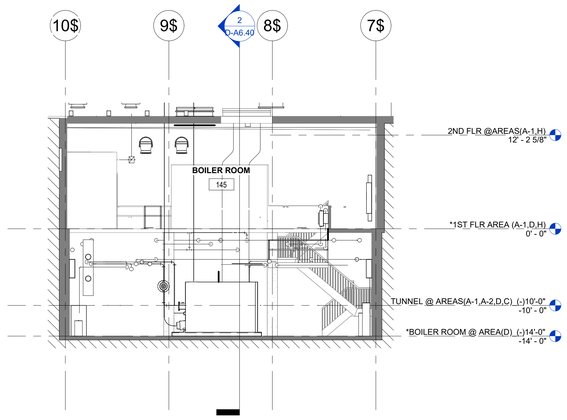
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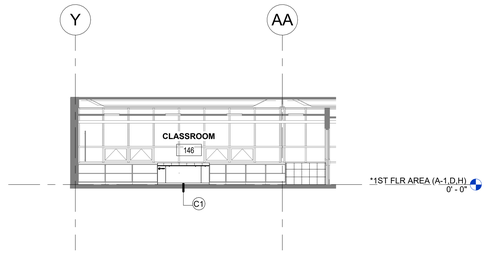
1 AREA D - INTERIOR NORTH ELEVATION
1/8" = 1'-0"



2 AREA D - INTERIOR SOUTH ELEVATION
1/8" = 1'-0"



3 AREA D - INTERIOR BOILER ROOM - SOUTH ELEVATION
1/8" = 1'-0"



4 AREA D - INTERIOR CLASSROOM - WEST ELEVATION
1/8" = 1'-0"

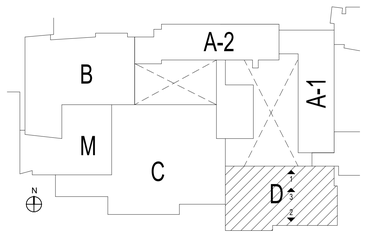
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11. ALL PENETRATIONS THROUGH WALLS, FLOORS, CEILINGS ARE TO BE FIRE CAULKED. ALL FIRESTOPPING/CAULKING IS TO BE COMPLETED PRIOR TO THE INSTALLATION OF NEW CEILINGS.

NEW WORK KEYNOTES - AREA D INTERIOR ELEVATIONS C#

1. INSTALL NEW UNIT VENTILATOR. PROVIDE NEW MECHANICAL LOUVERS IN MASONRY OPENINGS TIED TO THE UNIT VENTILATOR. REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION. PATCH FLOORING SURROUNDING THE UNIT VENTILATOR WITHIN THE HATCH REGION (CROSSHATCH PATTERN) SHOWN. IF APPLICABLE, MODIFY, PATCH OR PROVIDE NEW COUNTERS TO FILL ANY GAPS PRESENT FROM SPACE LEFT OVER FROM PREVIOUS UNITS. PROVIDE NEW PAINT AND FINISHES ON THE WALLS THE UNIT IS TO BE MOUNTED AGAINST. REFER TO INTERIOR ELEVATIONS FOR MORE INFORMATION.
2. INSTALL NEW FAN COIL. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION. PATCH FLOORING SURROUNDING THE FAN COIL WITHIN THE HATCHED REGION (CROSSHATCH PATTERN) SHOWN. PROVIDE NEW PAINT AND FINISHES ON THE WALL THE UNIT IS MOUNTED ON. REFER TO INTERIOR ELEVATIONS FOR MORE INFORMATION. IN AREAS WHERE A NEW FAN COIL IS REPLACING A UNIT VENTILATOR THE MASONRY OPENING LEFT FROM THE MECHANICAL LOUVER IS TO BE INFILLED WITH MASONRY AND PATCHED. REFER TO INTERIOR AND EXTERIOR ELEVATIONS FOR MORE INFORMATION.
3. INSTALL NEW CABINET UNIT HEATER. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION. MODIFY MASONRY AS REQUIRED FOR ACCEPTANCE OF LARGER UNIT. PATCH AND REPAIR WALL TO MATCH SURROUNDING CONDITIONS AND FINISHES.

KEY PLAN



CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

EAST AURORA SCHOOL DISTRICT #131
EAHS MECHANICAL IMPROVEMENTS - PHASE III
500 TOMCAT LN.
AURORA, IL 60506

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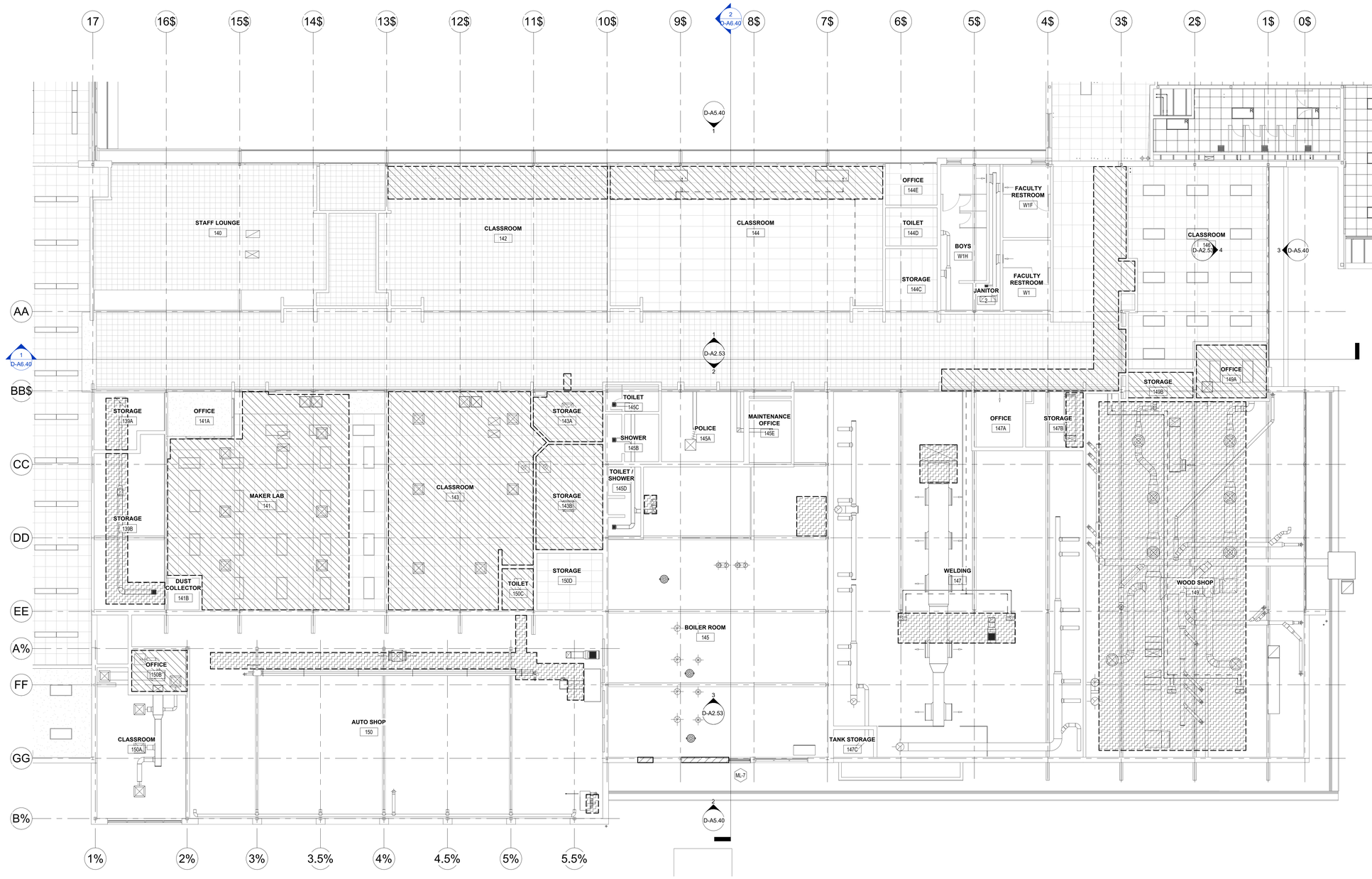
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AREA D - INTERIOR ELEVATIONS

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NORTH

1 AREA D - FIRST FLOOR - REFLECTED CEILING PLAN

1/8" = 1'-0"

GENERAL CEILING NOTES

1. REFER TO ELECTRICAL DRAWINGS AND SPECIALTY LIGHTING DRAWINGS FOR LIGHT FIXTURE INFORMATION.
2. REFER TO ELECTRICAL DRAWINGS FOR COORDINATION OF EXIT SIGNS, ETC.
3. REFER TO MECHANICAL AND FIRE PROTECTION DRAWINGS FOR COORDINATION OF DIFFUSERS, SPRINKLER HEADS, EQUIPMENT LOCATIONS, ETC.
4. SPRINKLER HEADS ARE TO BE CENTERED IN CEILING TILES, UNLESS NOTED OTHERWISE.
5. IN AREAS OF 2'x2' ACT WHERE LESS THAN 4" OF TILE WOULD BE REQUIRED TO FILL SPACE TO THE WALL, PROVIDE MATCHING 2'x4' TILE CUT AS REQUIRED TO FILL SPACE. DO NOT PROVIDE INTERVENING TEE GRID.
6. PROVIDE GYPSUM BOARD CONTROL JOINTS THE FULL LENGTH OF THE CEILING FOR A SPACING OF 30'-0" O.C. MAX.
7. METAL FRAMING PERFORMANCE CRITERIA: PROVIDE NECESSARY FRAMING, GAUGES, FASTENERS, ETC. TO LIMIT L/360 DEFLECTION AT ALL METAL FRAMING INSTALLATIONS.
8. ALL PENETRATIONS WITHIN FIRE RATED CEILINGS ARE TO BE SEALED WITH FIRE CAULKING TO MAINTAIN THE SPECIFIED U.L. DESIGN.
9. UNLESS OTHERWISE NOTED, ALL ELEVATIONS SHOWN ARE ABOVE FINISHED FLOOR (A.F.F.).
10. REFER TO ELECTRICAL SHEETS FOR ALL NEW LIGHTING AND EXISTING LIGHTING MODIFICATION WORK REQUIREMENTS.
11. WHILE EVERY EFFORT HAS BEEN MADE TO ENSURE THE ACCURACY OF EXISTING CEILING HEIGHTS AND DIMENSIONS, THE CONTRACTOR WILL ULTIMATELY BE RESPONSIBLE FOR ALL FIELD MEASUREMENTS PRIOR TO COMMENCEMENT OF WORK. ALL MEASUREMENTS SHOWN ARE FOR REFERENCE ONLY.
12. PATCH AND PAINT ALL HOLES IN EXISTING PLASTER CEILING LEFT FROM FORMER LOCATIONS OF RELOCATED SURFACE MOUNTED LIGHT FIXTURES. COORDINATE LIGHTS AFFECTED WITH ELECTRICAL DRAWINGS. SOME ADDITIONAL PATCHING/PAINTING MAY BE REQUIRED WHERE EXISTING LIGHTS MAY NOT HAVE BEEN INDICATED ON PLANS.
13. RE-INSTALL ALL EXISTING CEILING MOUNTED EQUIPMENT INCLUDING SPEAKERS, EXISTING SIGNS, SMOKE DETECTORS, MOTION DETECTORS, FANS, PROJECTORS, ETC. AT THEIR ORIGINAL LOCATIONS.
14. ALL WALL MOUNTED ITEMS AFFECTED BY THE INSTALLATION OF NEW CEILINGS ARE TO BE LOWERED AS REQUIRED BY THE NEW WORK.
15. ALL CHANGE ORDERS DUE TO THE LACK OF COORDINATION WITH ALL CONTRACT DOCUMENTS (INCLUDING ALL DISCIPLINES), LACK OF DOCUMENTED WALK-THRUS PRIOR TO BIDDING AND REASONABLY UNFORESEEN CIRCUMSTANCES WILL NOT BE CONSIDERED. ALL WORK REQUIRED FOR INSTALLATION OF ALL SYSTEMS IS REQUIRED.
16. REMOVE EXISTING CEILING AS REQUIRED TO ACCOMMODATE NEW MECHANICAL SYSTEMS, HEIGHTS SHOWN ON REFLECTED CEILING PLANS ARE ASSUMED, MAKE CEILING HEIGHT AS TALL AS POSSIBLE BASED ON INSTALLED EQUIPMENT. REINSTALL ALL CEILINGS, LIGHTS, FIRE DEVICES, ETC IN THEIR PREVIOUS CONDITIONS. REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION.
17. PATCH AND MATCH WALLS/CEILINGS AT ALL RELOCATED LIGHTS.
18. A MOCKUP OF A TYPICAL CEILING HUNG BLOWER COIL SHALL BE CREATED AND APPROVED BY THE ARCHITECT/ENGINEER PRIOR TO INSTALLATION OF THE REMAINDER OF THE BLOWER COILS
19. MECHANICAL EQUIPMENT, DUCTS, PIPING, ETC. SHOWN ON ARCHITECTURAL DRAWINGS ARE FOR REFERENCE ONLY. SEE MECHANICAL DRAWINGS AND SPECIFICATIONS FOR MECHANICAL DETAILS AND SCOPE.

IMPORTANT: "PRIOR TO COMMENCEMENT OF THE MECHANICAL WORK, ALL EXISTING LED LIGHT FIXTURES AND CONTROLS THAT ARE TO BE IMPACTED BY THE WORK SHALL BE CAREFULLY REMOVED BY ELECTRICAL CONTRACTOR (E.C.) TO CONTRACTOR'S SECURE STORAGE PRIOR TO CEILING DEMOLITION. COORDINATE WITH THE MECHANICAL CONTRACTOR. PROVIDE TEMPORARY LIGHTING AS NEEDED. E.C. SHALL RE-INSTALL SALVAGED LED LIGHTS FIXTURES AND CONTROLS PER NEW CEILING AND FLOOR PLANS. RESTORE LIGHTING AMD CONTROLS TO ORIGINAL WORKING ORDER AND INCLUDE ANY CONTROL PROGRAMMING NEEDED. COORDINATE WITH THE FIXTURE MANUFACTURER(S) FOR CONTINUITY OF THE EXISTING 20 YEAR PARTS AND LABOR WARRANTY AT THE CONCLUSION OF THE WORK; DO NOT MAKE UNAUTHORIZED MODIFICATIONS OR SUBSTITUTIONS WITHOUT THE MANUFACTURER'S AGREEMENT."

NOTE: WHERE ROLLER SHADES ARE EFFECTED BY NEW WORK, THE CONTRACTOR SHALL REMOVE, MODIFY AND REINSTALL AS REQUIRED TO MAINTAIN FUNCTIONS WITH THE NEW ALTERATIONS.

REFLECTED CEILING LEGEND

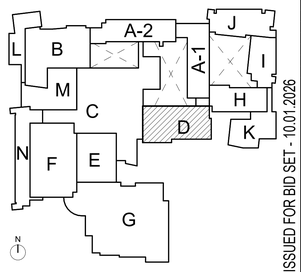
- EXISTING RECESSED 2'x4' LIGHT FIXTURE
- EXISTING RECESSED 2'x2' LIGHT FIXTURE
- EXISTING 2'x2' ACOUSTICAL CEILING TILES
- EXISTING 2'x4' ACOUSTICAL CEILING TILES
- EXISTING PERFORATED SUPPLY GRILLE
- EXISTING DIFFUSER
- EXISTING EXHAUST VENT
- NEW PENDANT LIGHT FIXTURE
- REMOVE AND REINSTALL EXISTING CEILINGS AND LIGHTS FOR ABOVE CEILING MECHANICAL WORK. HATCHED AREAS SHOWN FOR REFERENCE ONLY. CONTRACTOR TO COORDINATE WITH MECHANICAL DRAWINGS AND REMOVE/REINSTALL CEILINGS/LIGHTS TO EXTENT REQUIRED TO ACCOMPLISH MECHANICAL WORK.

LIGHTING LABEL LEGEND

N	NEW FIXTURE, REFER TO ELECTRICAL
R	RELOCATED FIXTURE, REFER TO ELECTRICAL

NOTE: LIGHTS SHOWN WITHOUT LABELS ARE TO BE ASSUMED EXISTING TO REMAIN. WHERE WORK REQUIRES THE REMOVAL AND REINSTALLATION OF EXISTING LIGHTS NOT LABELED, THE CONTRACTOR WILL BE RESPONSIBLE TO DO SO AT NO ADDITIONAL COST TO THE OWNER.

KEY PLAN



CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

EAST AURORA SCHOOL DISTRICT #131
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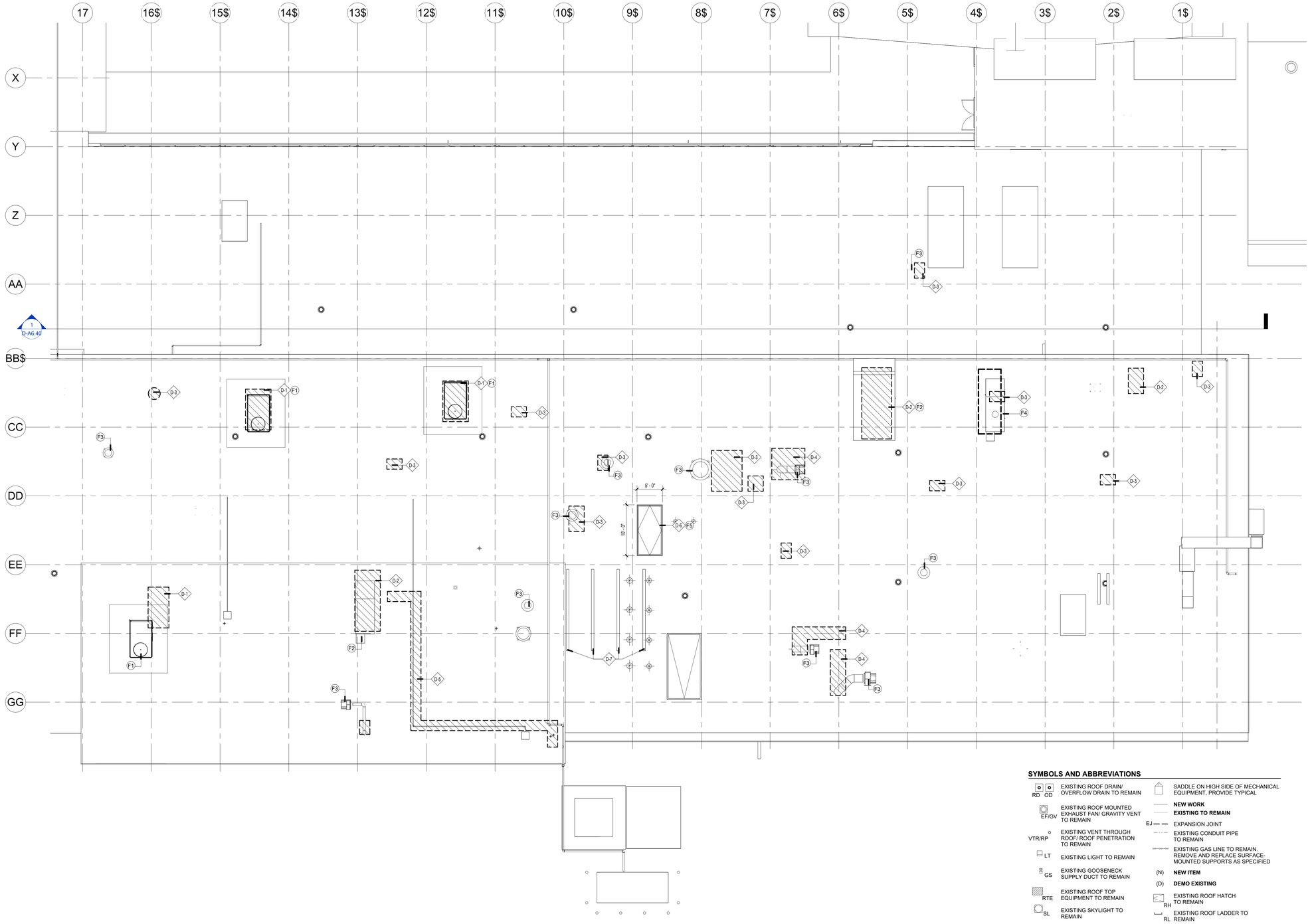
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NORTH 1 AREA D - ROOF PLAN
1/8" = 1'-0"

GENERAL ROOFING NOTES

1. REFER TO MECHANICAL ROOF PLAN FOR BOILER SYSTEM ROOM PENETRATIONS.
2. PATCH ROOF TO MATCH EXISTING ADJACENT ROOF SYSTEM AS REQUIRED FOR ALL NEW MECHANICAL PENETRATIONS. REFERENCE MECHANICAL DRAWINGS FOR ROOF PENETRATION LOCATIONS, QUANTITIES, AND TYPES
3. ALL MECHANICAL EQUIPMENT INCLUDING INSULATED ROOF CURBS SHALL BE PROVIDED AND INSTALLED. REFER TO MECHANICAL DRAWINGS FOR ROOF PENETRATIONS AND ROOF TOP EQUIPMENT.
4. ALL PLUMBING VENTS SHALL BE PROVIDED AND INSTALLED. REFER TO PLUMBING DRAWINGS FOR ROOF PENETRATIONS AND ROOF TOP EQUIPMENT.
5. ALL ROOF TERMINATIONS AND COUNTERFLASHING AT MECHANICAL AND PLUMBING ROOF PENETRATIONS SHALL BE PROVIDED AND INSTALLED. THE FULL ROOF WARRANTY AND GUARANTEE OF WATER RESISTANCE SHALL BE PROVIDED IN FULL.
6. ALL TAPERED INSULATION, B.U.R. ROOFING, ROOF TERMINATIONS, BLOCKING, COUNTERFLASHING, AND PENETRATION FLASHING SHALL BE PROVIDED.
7. ALL TAPERED INSULATION SHALL PROVIDE A MINIMUM 1/4"=1'-0" SLOPE.
8. ALL INSULATION JOINTS, HORIZONTAL AND VERTICAL, TO BE STAGGERED.
9. ALL ROOF PENETRATIONS, INCLUDING VENT STACKS, ROOF CURBS, AND PIPE SUPPORT CURBS, ARE TO BE A MINIMUM OF 8" ABOVE THE ROOF MEMBRANE.
10. ALL COUNTER FLASHING, COPING, AND MISCELLANEOUS METAL FLASHING PIECES ARE TO HAVE SEALANT APPLIED AT THE END CONDITION.
11. ALL EXPOSED FASTENERS TO BE CORROSIVE RESISTANT, HAVE NEOPRENE WASHERS, AND TO BE COVERED WITH SEALANT FOLLOWING ARCHITECT'S APPROVAL.
12. DRAINS TO BE FLASHED PER MANUFACTURER'S SPECIFICATION.
13. PROVIDE THROUGH-WALL COUNTER-FLASHING FOR ALL VERTICAL FLANGES, END WALL FLASHING, AND ROOF INTERSECTIONS.
14. INSTALL SADDLES ON THE HIGH SIDE OF ALL ROOF PENETRATION DETAILS.
15. ALL OPENINGS FROM REMOVED EQUIPMENT SHALL BE MODIFIED FOR NEW EQUIPMENT OR CLOSED TO MATCH ADJACENT ROOF SYSTEM PER EXISTING ROOF MANUFACTURER'S WARRANTY REQUIREMENTS.
16. REFER TO MECHANICAL & PLUMBING DRAWINGS FOR FULL SCOPE OF ROOF PENETRATIONS. COORDINATE ALL FLASHINGS W/ OTHER TRADES, TYP.
17. PROVIDE NEW EQUIPMENT CURBS AND REQUIRED STRUCTURAL REINFORCING AT ALL NEW ROOF TOP UNITS.

ROOF DEMOLITION KEYNOTES - AREA D (D#)

1. REMOVE EXISTING ROOFTOP UNIT IN ITS ENTIRETY. INCLUDING ALL ASSOCIATED DUCTWORK, PIPING, AND CONTROLS. PREP AREA TO RECEIVE NEW ROOFTOP UNIT WITH STANDARD CURB. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
2. REMOVE EXISTING MAKE-UP AIR UNIT IN ITS ENTIRETY. INCLUDING ALL ASSOCIATED DUCTWORK, PIPING, AND CONTROLS. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
3. REMOVE EXISTING HOOD IN ITS ENTIRETY. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
4. REMOVE EXISTING EXHAUST FAN IN ITS ENTIRETY. INCLUDING ALL ASSOCIATED DUCTWORK AND CONTROLS. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
5. REMOVE EXISTING GAS PIPING LINES IN THEIR ENTIRETY WITHIN THE HATCHED REGION SHOWN. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
6. REMOVE PORTION OF ROOFING SYSTEM TO CREATE AN OPENING FOR THE ROOF TO RECEIVE A NEW HATCH ABOVE THE BOILER ROOM. SEE STRUCTURAL DRAWINGS FOR MORE INFORMATION.
7. REMOVE EXISTING OBSOLETE MECHANICAL UNIT RAILS IN THEIR ENTIRETY. PATCH AND REPAIR ROOFING SYSTEM TO MATCH EXISTING CONDITIONS.

ROOF NEW WORK KEYNOTES - AREA D (F#)

1. PROVIDE AND INSTALL NEW ROOFTOP UNIT INCLUDING ALL ASSOCIATED DUCTWORK, PIPING, AND CONTROLS. PROVIDE TYPICAL MECHANICAL EQUIPMENT CURB. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
2. PROVIDE AND INSTALL NEW MAKE-UP AIR UNIT INCLUDING ALL ASSOCIATED DUCTWORK, PIPING, AND CONTROLS. PROVIDE TYPICAL MECHANICAL EQUIPMENT CURB. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
3. PROVIDE AND INSTALL NEW EXHAUST FANS INCLUDING ALL ASSOCIATED DUCTWORK AND CONTROLS. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
4. PROVIDE AND INSTALL NEW AIR HANDLING UNIT INCLUDING ALL ASSOCIATED DUCTWORK, PIPING, AND CONTROLS. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
5. PROVIDE AND INSTALL NEW ROOF HATCH AND ALL ASSOCIATED EQUIPMENT, CONTROLS AND CURBS. SEE STRUCTURAL DRAWINGS FOR MORE INFORMATION.

ALTERNATES

ALTERNATE #01 - AREA D CHIMNEY REMOVAL: DEMOLISH EXISTING CHIMNEY DOWN TO GRADE. PREP AREA TO RECEIVE NEW ASPHALT TO MATCH THE SURROUNDING CONDITIONS. SEE STRUCTURAL DRAWINGS FOR MORE INFORMATION. IF ALTERNATE IS NOT ACCEPTED, CHIMNEY IS TO BE CAPPED WITH METAL PLATE AND ANY OPENINGS LEFT IN CHIMNEY MASONRY FROM FLUE DUCT REMOVAL ARE TO BE PATCHED TO MATCH SURROUNDING CONDITIONS.

ALTERNATE #02 - AREA G FIELD HOUSE RTU REPLACEMENT: REMOVE AND REPLACE FIVE (5) EXISTING ROOF-TOP UNITS ON THE ROOF OF THE FIELD HOUSE.

ALTERNATE #03 - AREA D ROOFING REPLACEMENT: REMOVE AND REPLACE EXISTING ADHERED EPDM ROOFING SYSTEM AT ROOF SECTION 24, AND BALLASTED EPDM ROOFING SYSTEM AT ROOF SECTION 25. REMOVE EXISTING ABANDONED VENT PIPE AND ASSOCIATED SUPPORTS IN THEIR ENTIRETY. PATCH AND REPAIR ROOF SYSTEM TO MATCH SURROUNDING CONDITIONS.

ALTERNATE #04A - AREA A-1 ROOFING REPLACEMENT: REMOVE AND REPLACE EXISTING ADHERED EPDM ROOFING SYSTEM AT ROOF SECTION 7.

ALTERNATE #04B - AREA K ROOFING REPLACEMENT: REMOVE AND REPLACE EXISTING ADHERED EPDM ROOFING SYSTEM AT ROOF SECTION 12.

ALTERNATE #05A - AREA J & AREA I ROOFING REPLACEMENT: REMOVE AND REPLACE EXISTING BALLASTED EPDM ROOFING SYSTEM OVER THE OFFICE AREAS, SPECIFICALLY AT ROOF SECTIONS 8, 10, 11, 13, AND 15.

ALTERNATE #05B - AREA K ROOFING REPLACEMENT: REMOVE AND REPLACE EXISTING BALLASTED EPDM ROOFING SYSTEM OVER THE OFFICE AREAS, SPECIFICALLY AT ROOF SECTIONS 16 ,17, AND 20.

ALTERNATE #05C - AREA J, AREA I, & AREA K ROOFING REPLACEMENT: REMOVE AND REPLACE EXISTING ADHERED EPDM STANDING SEAM ROOFING SYSTEM AT ROOF SECTIONS 9, 14, AND 19.

ALTERNATE #06A - AREA G ROOFING REPLACEMENT: REMOVE AND REPLACE EXISTING BALLASTED EPDM ROOFING SYSTEM AT ROOF SECTIONS 36, 37, AND 40.

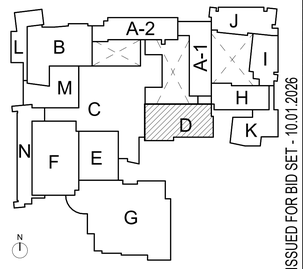
ALTERNATE #06B - AREA G ROOFING REPLACEMENT: REMOVE AND REPLACE EXISTING ADHERED EPDM ROOF SYSTEM OVER THE BARREL ROOF AT ROOF SECTION 39.

ALTERNATE #07 - EAHS MECHANICAL SERVICE AGREEMENT: THE MECHANICAL CONTRACTOR SHALL PROVIDE AND ALTERNATE BID NUMBER TO PROVIDE A MECHANICAL SERVICE AGREEMENT OF 2 YEARS AFTER THE COMPLETION OF THE PROJECT. THE SERVICE AGREEMENT SHALL PROVIDE A QUARTERLY FILTER REPLACEMENT FOR ALL EQUIPMENT WITH FILTERS, SEASONAL SPRING AND FALL CLEANING TO REMOVE COTTONWOOD AND OTHER DEBRIS FROM CONDENSER COILS AND EQUIPMENT LOCATED OUTDOORS, AND CHANGING OF BOILER COMBUSTION AIR FILTERS. EQUIPMENT TUNE UPS ARE REQUIRED EVERY 6 MONTHS, INCLUDING BUT NOT LIMITED TO, VERIFICATION OF GAS HEATING EQUIPMENT OPERATION IN THE FALL AND VERIFICATION OF DX COOLING PERFORMANCE IN THE SPRING. OTHER MANUFACTURER-REQUIRED EQUIPMENT MAINTENANCE IS TO BE PERFORMED AT MANUFACTURER-SPECIFIED INTERVALS.

SYMBOLS AND ABBREVIATIONS

RD OD	EXISTING ROOF DRAIN/ OVERFLOW DRAIN TO REMAIN
EF/GV	EXISTING ROOF MOUNTED EXHAUST FAN/ GRAVITY VENT TO REMAIN
VTR/RP	EXISTING VENT THROUGH ROOF/ ROOF PENETRATION TO REMAIN
LT	EXISTING LIGHT TO REMAIN
GS	EXISTING GOOSENECK SUPPLY DUCT TO REMAIN
RTE	EXISTING ROOF TOP EQUIPMENT TO REMAIN
SL	EXISTING SKYLIGHT TO REMAIN
SC/DS	EXISTING SCUPPER AND DOWNSPOUT TO REMAIN
SLOPED	FLAT INSULATION OVER SLOPED STRUCTURE
AT	ANTENNA
	SADDLE ON HIGH SIDE OF MECHANICAL EQUIPMENT, PROVIDE TYPICAL
	NEW WORK
	EXISTING TO REMAIN
EJ	EXPANSION JOINT
	EXISTING CONDUIT PIPE TO REMAIN
	EXISTING GAS LINE TO REMAIN. REMOVE AND REPLACE SURFACE-MOUNTED SUPPORTS AS SPECIFIED
(N)	**NEW ITEM**
(D)	**DEMO EXISTING**
RH	EXISTING ROOF HATCH TO REMAIN
RL	EXISTING ROOF LADDER TO REMAIN
	TAPERED INSULATION, 1/4" PER FOOT
	TAPERED INSULATION, 1/2" PER FOOT

KEY PLAN



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ARCHITECT:

CONSULTANTS:

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EAHS MECHANICAL IMPROVEMENTS - PHASE III
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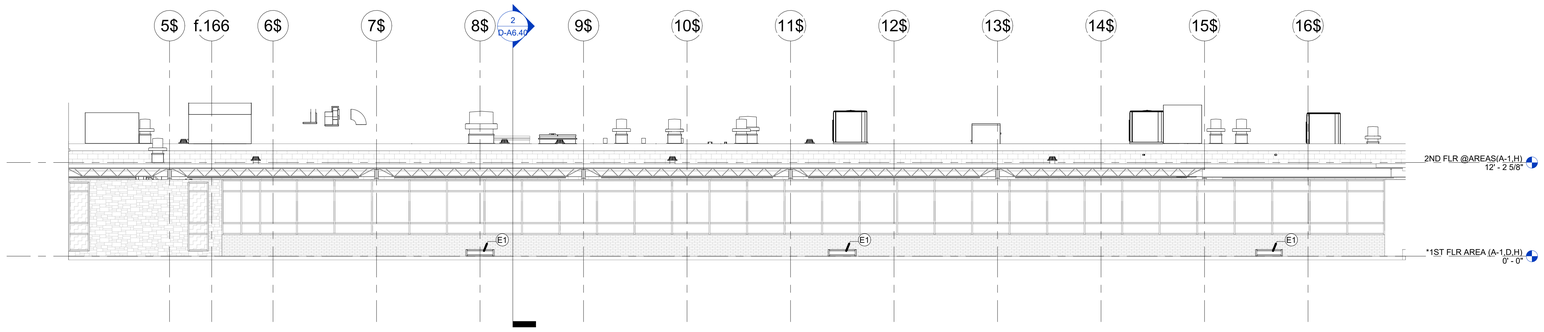
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GENERAL NOTES EXTERIOR ELEVATION

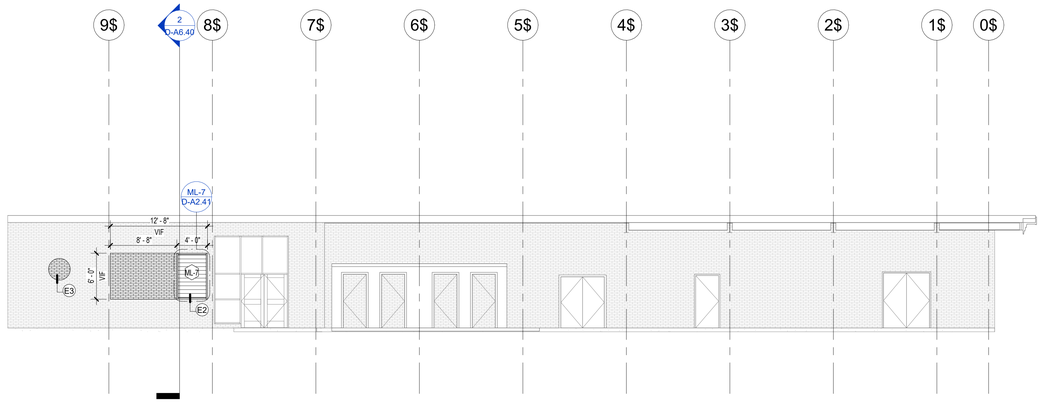
1. CONTRACTOR TO VERIFY QUANTITY OF MECHANICAL LOUVERS.
2. PATCH, MATCH, SEAL CONSTRUCTION TO ACHIEVE A WATER-TIGHT FIT AT WORK AS REQUIRED.
3. REFER TO INTERIOR ELEVATIONS FOR COORDINATION WITH UNIT VENTILATOR INSTALLATION.

NEW WORK KEYNOTES - AREA D EXTERIOR ELEVATION (E#)

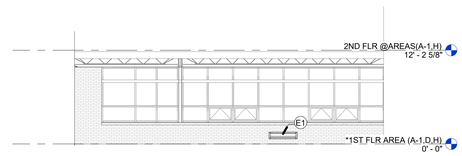
1. REMOVE EXISTING MECHANICAL LOUVER AND INSTALL NEW MECHANICAL LOUVER. REFER TO UNIT VENTILATOR SCHEDULES FOR NEW LOUVER SIZES. AS APPLICABLE, MODIFY MASONRY OPENING AND PROVIDE NEW LINTEL FOR NEW LOUVER. REFER TO STRUCTURAL. PROVIDE BACKER ROD AND CAULK AROUND NEW OPENING.
2. PROVIDE AND INSTALL NEW MECHANICAL LOUVER. NOTE: NEW LOUVER WIDTH WILL BE SMALLER THAN ORIGINAL. PATCH AND INFILL MASONRY WALL TO MATCH SURROUNDING CONDITIONS. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
3. PATCH AND INFILL MASONRY WALL OPENING LEFT FROM REMOVAL OF FLUE DUCT TIED TO EXISTING CHIMNEY. MATCH SURROUNDING CONDITIONS. SEE EXTERIOR ELEVATIONS AND MECHANICAL DRAWINGS FOR MORE INFORMATION.



1 AREA D - NORTH ELEVATION
1/8" = 1'-0"

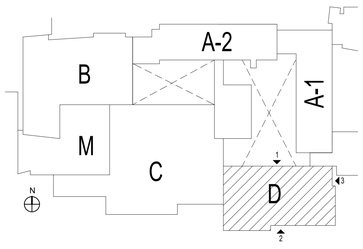


2 AREA D - SOUTH ELEVATION
1/8" = 1'-0"



3 AREA D - EAST ELEVATION
1/8" = 1'-0"

KEY PLAN



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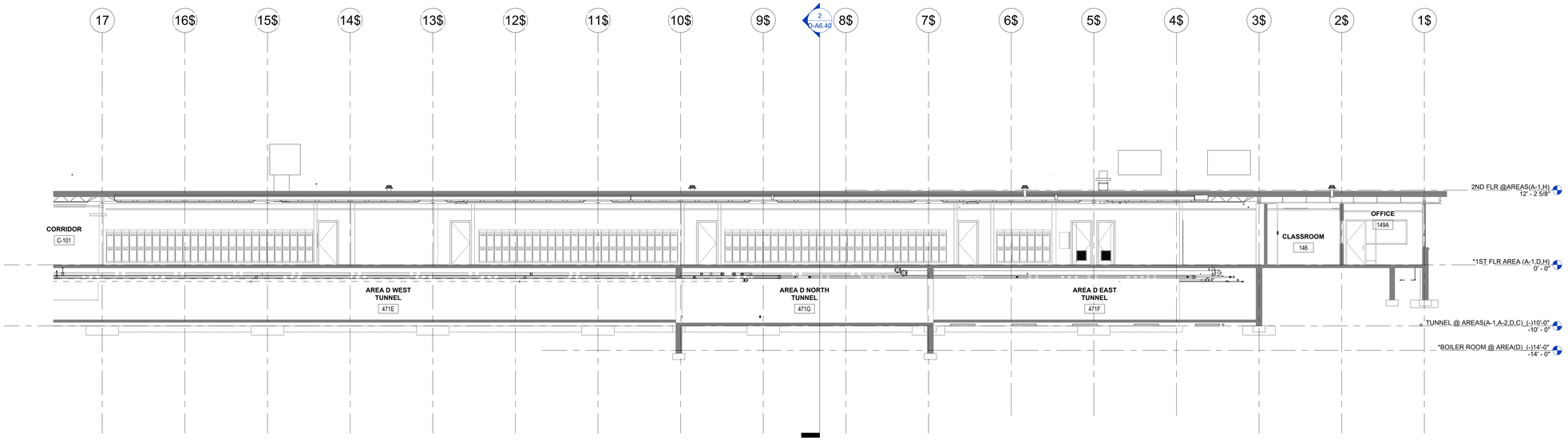
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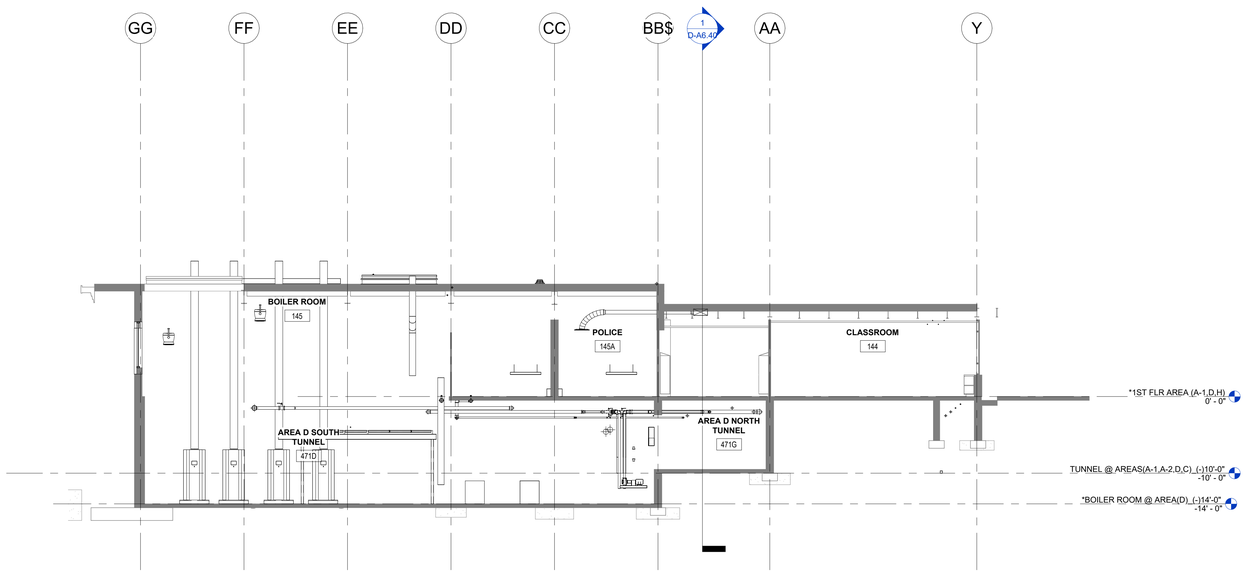
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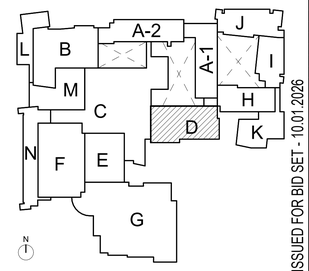


1 AREA D - BUILDING SECTION
1/8" = 1'-0"



2 AREA D - CROSS SECTION
1/8" = 1'-0"

KEY PLAN



CORDOGAN CLARK
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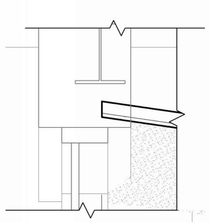
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AREA D - BUILDING SECTIONS

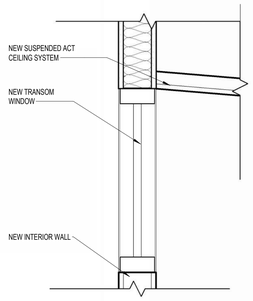
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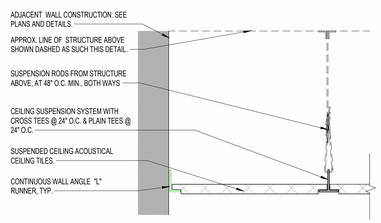
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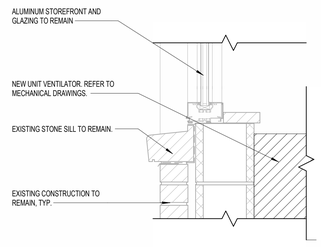
6 AREA C - GYP CEILING TO CURTAIN WALL DETAIL
1 1/2" = 1'-0"



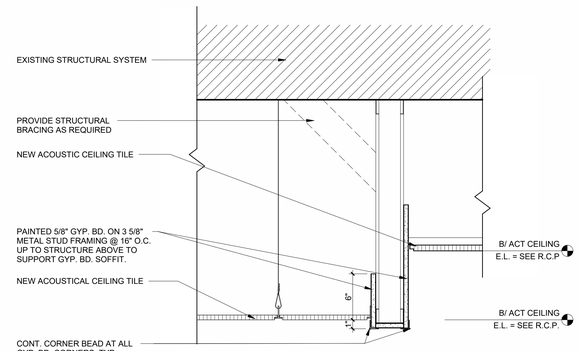
5 AREA C - ACT CEILING TO GYP WALL DETAIL
1 1/2" = 1'-0"



3 TYPICAL SUSPENDED ACT. CEILING
3" = 1'-0"



2 SILL DETAIL - UNIT VENTILATOR - AREA A-2
1 1/2" = 1'-0"



1 TYPICAL HEADER DETAIL AT LAY-IN CEILINGS
1 1/2" = 1'-0"

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CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

EAST AURORA SCHOOL DISTRICT #131
EAHS MECHANICAL IMPROVEMENTS - PHASE III

500 TOMCAT LN.
AURORA, IL 60506

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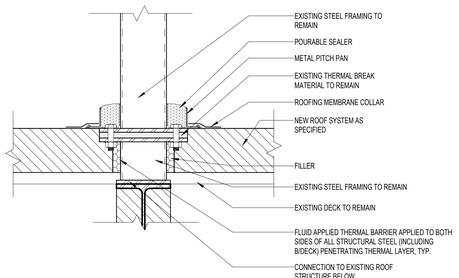
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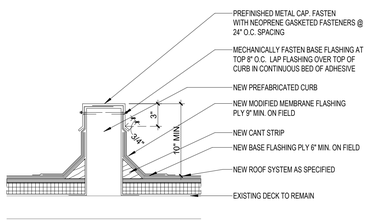
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DETAILS

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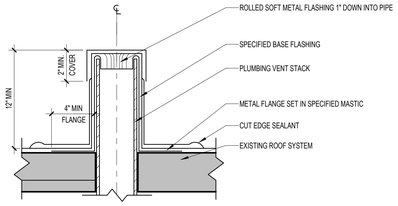
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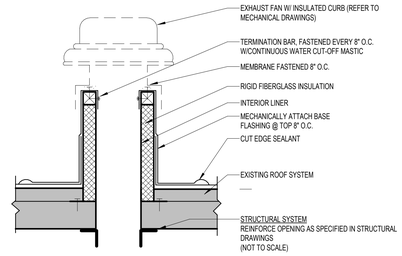
8 TYP. ROOF DETAIL AT MECHANICAL PLATFORM PIPE COLUMN
1 1/2" = 1'-0"



7 TYP. ROOF DETAIL AT ROOF DRAIN
1 1/2" = 1'-0"



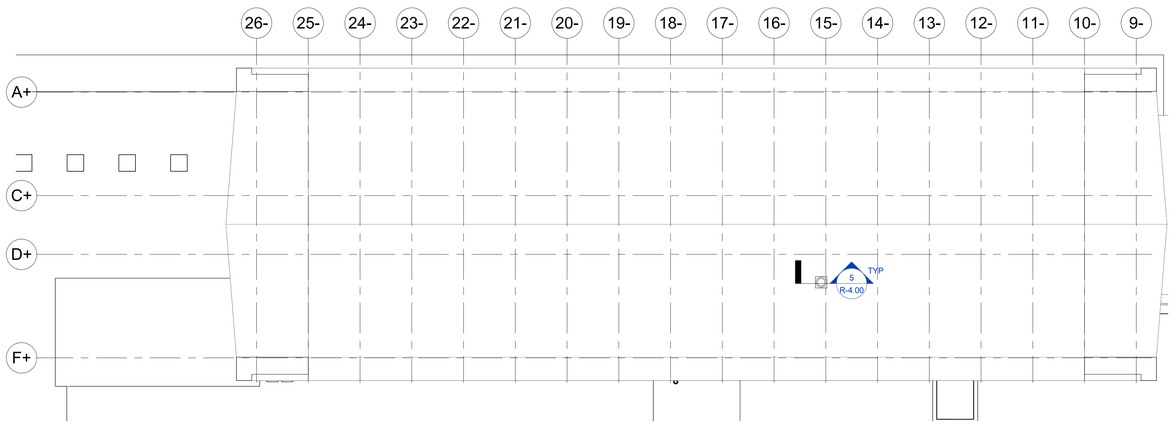
6 TYPCIAL PLUMBING VENT DETAIL
1 1/2" = 1'-0"



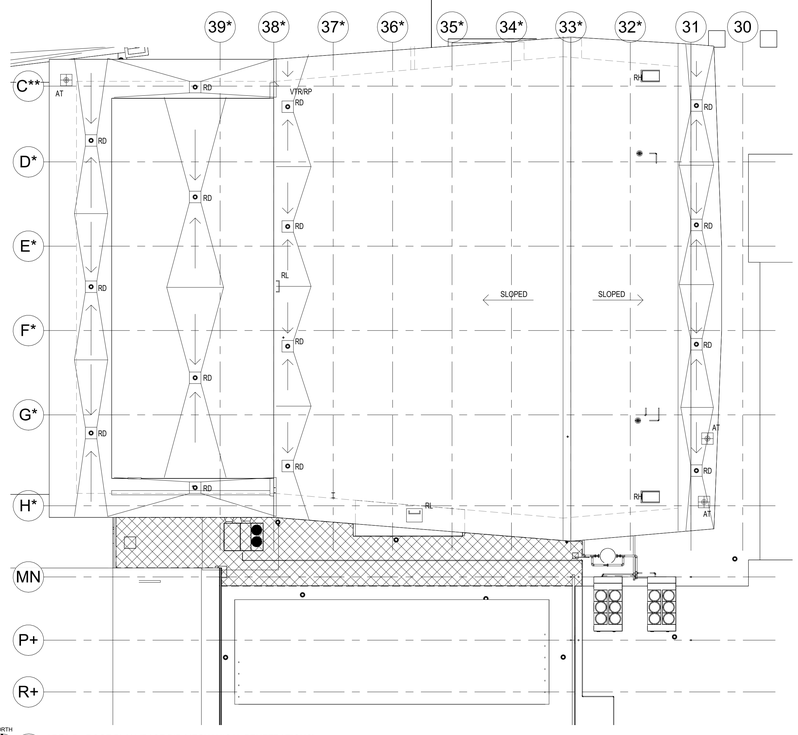
5 TYPICAL EXHAUST FAN ROOF DETAIL
1 1/2" = 1'-0"

GENERAL ROOFING NOTES

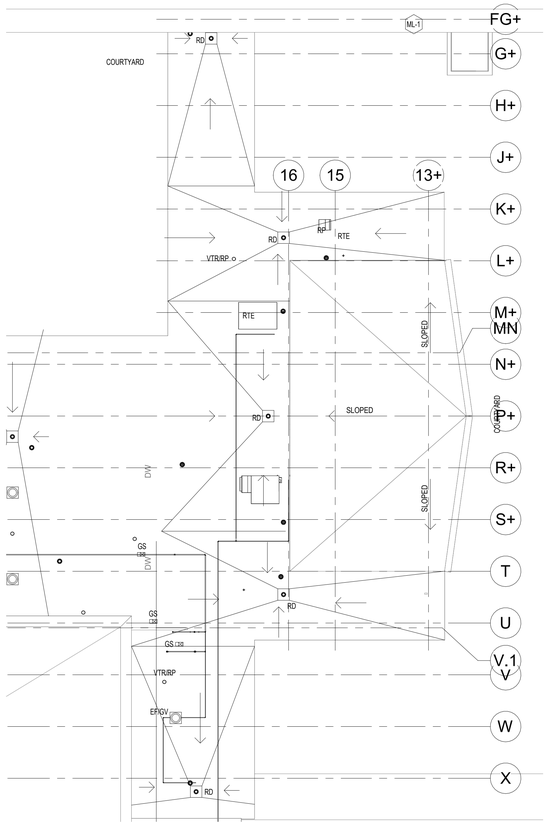
1. REFER TO MECHANICAL ROOF PLAN FOR BOILER SYSTEM ROOM PENETRATIONS.
2. PATCH ROOF TO MATCH EXISTING ADJACENT ROOF SYSTEM AS REQUIRED FOR ALL NEW MECHANICAL PENETRATIONS. REFERENCE MECHANICAL DRAWINGS FOR ROOF PENETRATION LOCATIONS, QUANTITIES, AND TYPES
3. ALL MECHANICAL EQUIPMENT INCLUDING INSULATED ROOF CURBS SHALL BE PROVIDED AND INSTALLED. REFER TO MECHANICAL DRAWINGS FOR ROOF PENETRATIONS AND ROOF TOP EQUIPMENT.
4. ALL PLUMBING VENTS SHALL BE PROVIDED AND INSTALLED. REFER TO PLUMBING DRAWINGS FOR ROOF PENETRATIONS AND ROOF TOP EQUIPMENT.
5. ALL ROOF TERMINATIONS AND COUNTERFLASHING AT MECHANICAL AND PLUMBING ROOF PENETRATIONS SHALL BE PROVIDED AND INSTALLED. THE FULL ROOF WARRANTY AND GUARANTEE OF WATER RESISTANCE SHALL BE PROVIDED IN FULL.
6. ALL TAPERED INSULATION, B.U.R. ROOFING, ROOF TERMINATIONS, BLOCKING, COUNTERFLASHING, AND PENETRATION FLASHING SHALL BE PROVIDED.
7. ALL TAPERED INSULATION SHALL PROVIDE A MINIMUM 1/4"=1'-0" SLOPE.
8. ALL INSULATION JOINTS, HORIZONTAL AND VERTICAL, TO BE STAGGERED.
9. ALL ROOF PENETRATIONS, INCLUDING VENT STACKS, ROOF CURBS, AND PIPE SUPPORT CURBS, ARE TO BE A MINIMUM OF 8" ABOVE THE ROOF MEMBRANE.
10. ALL COUNTER FLASHING, COPING, AND MISCELLANEOUS METAL FLASHING PIECES ARE TO HAVE SEALANT APPLIED AT THE END CONDITION.
11. ALL EXPOSED FASTENERS TO BE CORROSIVE RESISTANT, HAVE NEOPRENE WASHERS, AND TO BE COVERED WITH SEALANT FOLLOWING ARCHITECT'S APPROVAL.
12. DRAINS TO BE FLASHED PER MANUFACTURER'S SPECIFICATION.
13. PROVIDE THROUGH-WALL COUNTER-FLASHING FOR ALL VERTICAL FLANGES, END WALL FLASHING, AND ROOF INTERSECTIONS.
14. INSTALL SADDLES ON THE HIGH SIDE OF ALL ROOF PENETRATION DETAILS.
15. ALL OPENINGS FROM REMOVED EQUIPMENT SHALL BE MODIFIED FOR NEW EQUIPMENT OR CLOSED TO MATCH ADJACENT ROOF SYSTEM PER EXISTING ROOF MANUFACTURER'S WARRANTY REQUIREMENTS.
16. REFER TO MECHANICAL & PLUMBING DRAWINGS FOR FULL SCOPE OF ROOF PENETRATIONS. COORDINATE ALL FLASHINGS W/ OTHER TRADES, TYP.
17. PROVIDE NEW EQUIPMENT CURBS AND REQUIRED STRUCTURAL REINFORCING AT ALL NEW ROOF TOP UNITS.



4 AREA A-2 - ROOF PLAN (BASE BID MECHANICAL PENETRATIONS)
1/16" = 1'-0"



3 AREA B - ROOF PLAN (BASE BID MECHANICAL PENETRATIONS)
1/16" = 1'-0"



2 AREA C - ROOF PLAN (BASE BID MECHANICAL PENETRATIONS)
1/16" = 1'-0"

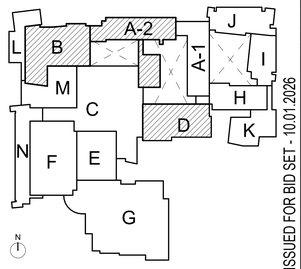


1 AREA D - ROOF PLAN (BASE BID MECHANICAL PENETRATIONS)
1/16" = 1'-0"

SYMBOLS AND ABBREVIATIONS

- RD OD — EXISTING ROOF DRAIN/ OVERFLOW DRAIN TO REMAIN
- EF/GV — EXISTING ROOF MOUNTED EXHAUST FAN/ GRAVITY VENT TO REMAIN
- VTR/RP — EXISTING VENT THROUGH ROOF/ ROOF PENETRATION TO REMAIN
- LT — EXISTING LIGHT TO REMAIN
- GS — EXISTING GOOSENECK SUPPLY DUCT TO REMAIN
- RTE — EXISTING ROOF TOP EQUIPMENT TO REMAIN
- SL — EXISTING SKYLIGHT TO REMAIN
- SC/DS — EXISTING SCUPPER AND DOWNSPOUT TO REMAIN
- SLOPED — FLAT INSULATION OVER SLOPED STRUCTURE
- AT — ANTENNA
- SADDLE ON HIGH SIDE OF MECHANICAL EQUIPMENT, PROVIDE TYPICAL
- **NEW WORK**
- **EXISTING TO REMAIN**
- EJ — EXPANSION JOINT
- EXISTING CONDUIT PIPE TO REMAIN
- EXISTING GAS LINE TO REMAIN. REMOVE AND REPLACE SURFACE-MOUNTED SUPPORTS AS SPECIFIED
- (N) **NEW ITEM**
- (D) **DEMO EXISTING**
- RH — EXISTING ROOF HATCH TO REMAIN
- RL — EXISTING ROOF LADDER TO REMAIN
- TAPERED INSULATION, 1/4" PER FOOT
- TAPERED INSULATION, 1/2" PER FOOT

KEY PLAN



CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

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CONSULTANTS:

EAST AURORA SCHOOL DISTRICT #131
EAHS MECHANICAL IMPROVEMENTS - PHASE III
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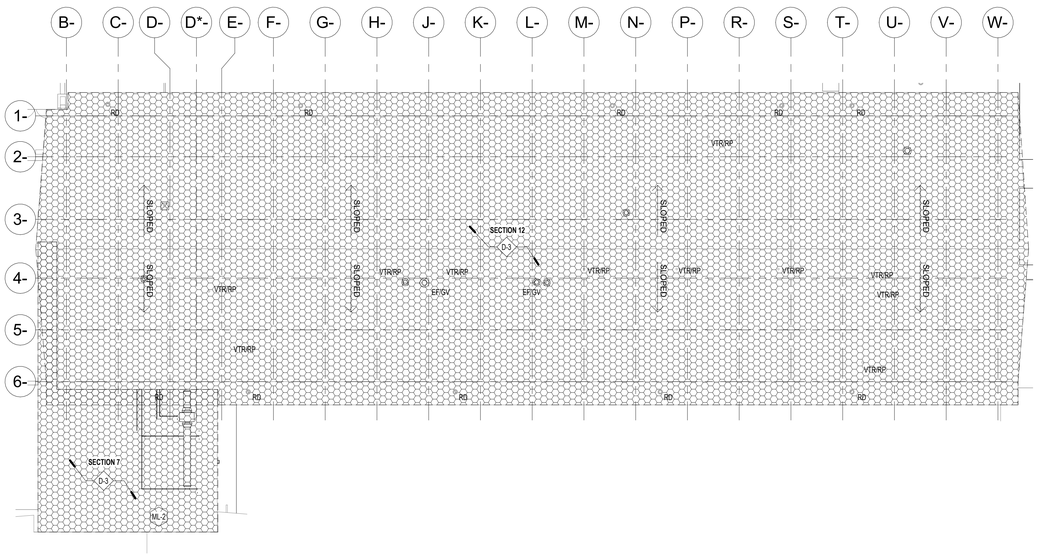
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DRAWING TITLE:
ROOF PLANS - BASE BID

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NORTH 1 AREA A-1 - ROOF PLAN - ALTERNATE
1/16" = 1'-0"



NORTH 2 AREA G - ROOF PLAN - ALTERNATE
1/16" = 1'-0"



NORTH 3 AREA I & AREA J - ROOF PLAN - ALTERNATE
1/16" = 1'-0"

GENERAL ROOFING NOTES

1. REFER TO MECHANICAL ROOF PLAN FOR BOILER SYSTEM ROOM PENETRATIONS.
2. PATCH ROOF TO MATCH EXISTING ADJACENT ROOF SYSTEM AS REQUIRED FOR ALL NEW MECHANICAL PENETRATIONS. REFERENCE MECHANICAL DRAWINGS FOR ROOF PENETRATION LOCATIONS, QUANTITIES, AND TYPES
3. ALL MECHANICAL EQUIPMENT INCLUDING INSULATED ROOF CURBS SHALL BE PROVIDED AND INSTALLED. REFER TO MECHANICAL DRAWINGS FOR ROOF PENETRATIONS AND ROOF TOP EQUIPMENT.
4. ALL PLUMBING VENTS SHALL BE PROVIDED AND INSTALLED. REFER TO PLUMBING DRAWINGS FOR ROOF PENETRATIONS AND ROOF TOP EQUIPMENT.
5. ALL ROOF TERMINATIONS AND COUNTERFLASHING AT MECHANICAL AND PLUMBING ROOF PENETRATIONS SHALL BE PROVIDED AND INSTALLED. THE FULL ROOF WARRANTY AND GUARANTEE OF WATER RESISTANCE SHALL BE PROVIDED IN FULL.
6. ALL TAPERED INSULATION, B.U.R. ROOFING, ROOF TERMINATIONS, BLOCKING, COUNTERFLASHING, AND PENETRATION FLASHING SHALL BE PROVIDED.
7. ALL TAPERED INSULATION SHALL PROVIDE A MINIMUM 1/4"=1'-0" SLOPE.
8. ALL INSULATION JOINTS, HORIZONTAL AND VERTICAL, TO BE STAGGERED.
9. ALL ROOF PENETRATIONS, INCLUDING VENT STACKS, ROOF CURBS, AND PIPE SUPPORT CURBS, ARE TO BE A MINIMUM OF 8" ABOVE THE ROOF MEMBRANE.
10. ALL COUNTER FLASHING, COPING, AND MISCELLANEOUS METAL FLASHING PIECES ARE TO HAVE SEALANT APPLIED AT THE END CONDITION.
11. ALL EXPOSED FASTENERS TO BE CORROSIVE RESISTANT, HAVE NEOPRENE WASHERS, AND TO BE COVERED WITH SEALANT FOLLOWING ARCHITECT'S APPROVAL.
12. DRAINS TO BE FLASHED PER MANUFACTURER'S SPECIFICATION.
13. PROVIDE THROUGH-WALL COUNTER-FLASHING FOR ALL VERTICAL FLANGES, END WALL FLASHING, AND ROOF INTERSECTIONS.
14. INSTALL SADDLES ON THE HIGH SIDE OF ALL ROOF PENETRATION DETAILS.
15. ALL OPENINGS FROM REMOVED EQUIPMENT SHALL BE MODIFIED FOR NEW EQUIPMENT OR CLOSED TO MATCH ADJACENT ROOF SYSTEM PER EXISTING ROOF MANUFACTURER'S WARRANTY REQUIREMENTS.
16. REFER TO MECHANICAL & PLUMBING DRAWINGS FOR FULL SCOPE OF ROOF PENETRATIONS. COORDINATE ALL FLASHINGS W/ OTHER TRADES, TYP.
17. PROVIDE NEW EQUIPMENT CURBS AND REQUIRED STRUCTURAL REINFORCING AT ALL NEW ROOF TOP UNITS.

ROOF DEMOLITION KEYNOTES - ALTERNATES (D#)

1. REMOVE EXISTING ROOFTOP UNIT IN ITS ENTIRETY. INCLUDING ALL ASSOCIATED DUCTWORK, PIPING, AND CONTROLS. PREP AREA TO RECEIVE NEW ROOFTOP UNIT WITH STANDARD CURB. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
2. REMOVE EXISTING BALLASTED EPDM ROOFING SYSTEM IN ITS ENTIRETY WITHIN THE HATCHED REGION (HEX PATTERN) SHOWN. PREP AREA FOR NEW CONDITION.
3. REMOVE EXISTING ADHERED EPDM ROOFING SYSTEM IN ITS ENTIRETY WITHIN THE HATCHED REGION (HONEYCOMB PATTERN) SHOWN. PREP AREA FOR NEW CONDITION.
4. REMOVE EXISTING MODIFIED MINERAL ROOFING SYSTEM IN ITS ENTIRETY WITHIN THE HATCHED REGION (SQUARE PATTERN) SHOWN. PREP AREA FOR NEW CONDITION.
5. REMOVE EXISTING ADHERED EPDM (STANDING SEAM) ROOFING SYSTEM IN ITS ENTIRETY WITHIN THE HATCHED REGION (CROSSHATCH PATTERN) SHOWN. PREP AREA FOR NEW CONDITION.

ROOF NEW WORK KEYNOTES - ALTERNATES (F#)

1. PROVIDE AND INSTALL NEW ROOFTOP UNIT INCLUDING ALL ASSOCIATED DUCTWORK, PIPING, AND CONTROLS. PROVIDE TYPICAL MECHANICAL EQUIPMENT CURB. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
2. TO BE DETERMINED.

ROOF LEGEND

- BALLASTED EPDM
- ADHERED EPDM
- MODIFIED MINERAL
- ADHERED EPDM (STANDING SEAM)

ALTERNATES

ALTERNATE #01 - AREA D CHIMNEY REMOVAL: DEMOLISH EXISTING CHIMNEY DOWN TO GRADE. PREP AREA TO RECEIVE NEW ASPHALT TO MATCH THE SURROUNDING CONDITIONS. SEE STRUCTURAL DRAWINGS FOR MORE INFORMATION. IF ALTERNATE IS NOT ACCEPTED, CHIMNEY IS TO BE CAPPED WITH METAL PLATE AND ANY OPENINGS LEFT IN CHIMNEY MASONRY FROM FLUE DUCT REMOVAL ARE TO BE PATCHED TO MATCH SURROUNDING CONDITIONS.

ALTERNATE #02 - AREA G FIELD HOUSE RTU REPLACEMENT: REMOVE AND REPLACE FIVE (5) EXISTING ROOF-TOP UNITS ON THE ROOF OF THE FIELD HOUSE.

ALTERNATE #03 - AREA D ROOFING REPLACEMENT: REMOVE AND REPLACE EXISTING ADHERED EPDM ROOFING SYSTEM AT ROOF SECTION 24, AND BALLASTED EPDM ROOFING SYSTEM AT ROOF SECTION 25. REMOVE EXISTING ABANDONED VENT PIPE AND ASSOCIATED SUPPORTS IN THEIR ENTIRETY. PATCH AND REPAIR ROOF SYSTEM TO MATCH SURROUNDING CONDITIONS.

ALTERNATE #04A - AREA A-1 ROOFING REPLACEMENT: REMOVE AND REPLACE EXISTING ADHERED EPDM ROOFING SYSTEM AT ROOF SECTION 7.

ALTERNATE #04B - AREA K ROOFING REPLACEMENT: REMOVE AND REPLACE EXISTING ADHERED EPDM ROOFING SYSTEM AT ROOF SECTION 12.

ALTERNATE #05A - AREA J & AREA I ROOFING REPLACEMENT: REMOVE AND REPLACE EXISTING BALLASTED EPDM ROOFING SYSTEM OVER THE OFFICE AREAS, SPECIFICALLY AT ROOF SECTIONS 8, 10, 11, 13, AND 15.

ALTERNATE #05B - AREA K ROOFING REPLACEMENT: REMOVE AND REPLACE EXISTING BALLASTED EPDM ROOFING SYSTEM OVER THE OFFICE AREAS, SPECIFICALLY AT ROOF SECTIONS 16 ,17, AND 20.

ALTERNATE #05C - AREA J, AREA I, & AREA K ROOFING REPLACEMENT: REMOVE AND REPLACE EXISTING ADHERED EPDM STANDING SEAM ROOFING SYSTEM AT ROOF SECTIONS 9, 14, AND 19.

ALTERNATE #06A - AREA G ROOFING REPLACEMENT: REMOVE AND REPLACE EXISTING BALLASTED EPDM ROOFING SYSTEM AT ROOF SECTIONS 36, 37, AND 40.

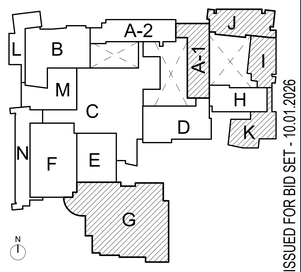
ALTERNATE #06B - AREA G ROOFING REPLACEMENT: REMOVE AND REPLACE EXISTING ADHERED EPDM ROOF SYSTEM OVER THE BARREL ROOF AT ROOF SECTION 39.

ALTERNATE #07 - EAHS MECHANICAL SERVICE AGREEMENT: THE MECHANICAL CONTRACTOR SHALL PROVIDE AND ALTERNATE BID NUMBER TO PROVIDE A MECHANICAL SERVICE AGREEMENT OF 2 YEARS AFTER THE COMPLETION OF THE PROJECT. THE SERVICE AGREEMENT SHALL PROVIDE A QUARTERLY FILTER REPLACEMENT FOR ALL EQUIPMENT WITH FILTERS, SEASONAL SPRING AND FALL CLEANING TO REMOVE COTTONWOOD AND OTHER DEBRIS FROM CONDENSER COILS AND EQUIPMENT LOCATED OUTDOORS, AND CHANGING OF BOILER COMBUSTION AIR FILTERS. EQUIPMENT TUNE UPS ARE REQUIRED EVERY 6 MONTHS, INCLUDING BUT NOT LIMITED TO, VERIFICATION OF GAS HEATING EQUIPMENT OPERATION IN THE FALL AND VERIFICATION OF DX COOLING PERFORMANCE IN THE SPRING. OTHER MANUFACTURER-REQUIRED EQUIPMENT MAINTENANCE IS TO BE PERFORMED AT MANUFACTURER-SPECIFIED INTERVALS.

SYMBOLS AND ABBREVIATIONS

- RD OD — EXISTING ROOF DRAIN/ OVERFLOW DRAIN TO REMAIN
- EF/GV — EXISTING ROOF MOUNTED EXHAUST FAN/ GRAVITY VENT TO REMAIN
- VTR/RP — EXISTING VENT THROUGH ROOF/ ROOF PENETRATION TO REMAIN
- LT — EXISTING LIGHT TO REMAIN
- GS — EXISTING GOOSENECK SUPPLY DUCT TO REMAIN
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- AT — ANTENNA
- SADDLE ON HIGH SIDE OF MECHANICAL EQUIPMENT, PROVIDE TYPICAL
- **NEW WORK**
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- EJ — EXPANSION JOINT
- EXISTING CONDUIT PIPE TO REMAIN
- EXISTING GAS LINE TO REMAIN. REMOVE AND REPLACE SURFACE-MOUNTED SUPPORTS AS SPECIFIED
- (N) **NEW ITEM**
- (D) **DEMO EXISTING**
- RH — EXISTING ROOF HATCH TO REMAIN
- RL — EXISTING ROOF LADDER TO REMAIN
- TAPERED INSULATION, 1/4" PER FOOT
- TAPERED INSULATION, 1/2" PER FOOT

KEY PLAN



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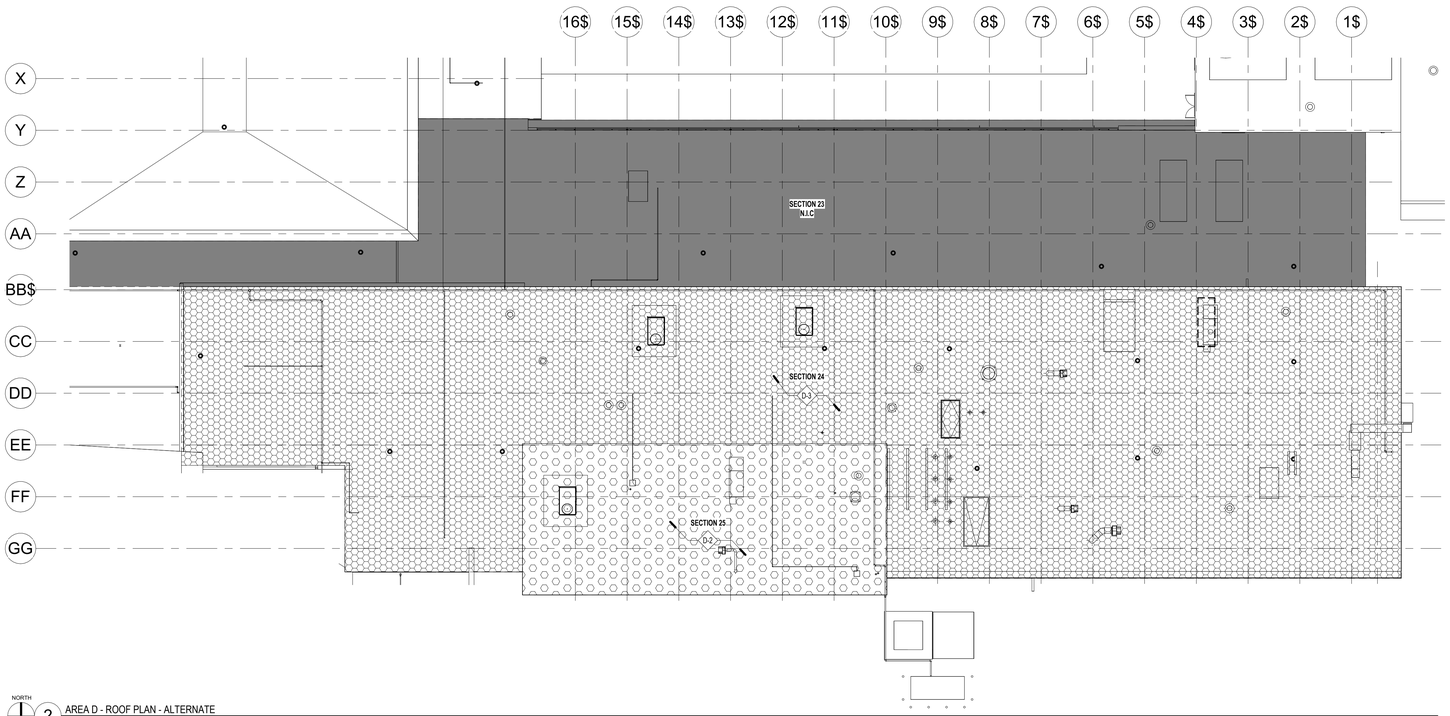
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DRAWING TITLE: ROOF PLANS - ALTERNATES

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NORTH 2 AREA D - ROOF PLAN - ALTERNATE
1/16" = 1'-0"



NORTH 1 AREA J - ROOF PLAN - ALTERNATE
1/16" = 1'-0"

GENERAL ROOFING NOTES

1. REFER TO MECHANICAL ROOF PLAN FOR BOILER SYSTEM ROOM PENETRATIONS.
2. PATCH ROOF TO MATCH EXISTING ADJACENT ROOF SYSTEM AS REQUIRED FOR ALL NEW MECHANICAL PENETRATIONS. REFERENCE MECHANICAL DRAWINGS FOR ROOF PENETRATION LOCATIONS, QUANTITIES, AND TYPES
3. ALL MECHANICAL EQUIPMENT INCLUDING INSULATED ROOF CURBS SHALL BE PROVIDED AND INSTALLED. REFER TO MECHANICAL DRAWINGS FOR ROOF PENETRATIONS AND ROOF TOP EQUIPMENT.
4. ALL PLUMBING VENTS SHALL BE PROVIDED AND INSTALLED. REFER TO PLUMBING DRAWINGS FOR ROOF PENETRATIONS AND ROOF TOP EQUIPMENT.
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12. DRAINS TO BE FLASHED PER MANUFACTURER'S SPECIFICATION.
13. PROVIDE THROUGH-WALL COUNTER-FLASHING FOR ALL VERTICAL FLANGES, END WALL FLASHING, AND ROOF INTERSECTIONS.
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15. ALL OPENINGS FROM REMOVED EQUIPMENT SHALL BE MODIFIED FOR NEW EQUIPMENT OR CLOSED TO MATCH ADJACENT ROOF SYSTEM PER EXISTING ROOF MANUFACTURER'S WARRANTY REQUIREMENTS.
16. REFER TO MECHANICAL & PLUMBING DRAWINGS FOR FULL SCOPE OF ROOF PENETRATIONS. COORDINATE ALL FLASHINGS W/ OTHER TRADES, TYP.
17. PROVIDE NEW EQUIPMENT CURBS AND REQUIRED STRUCTURAL REINFORCING AT ALL NEW ROOF TOP UNITS.

ROOF DEMOLITION KEYNOTES - ALTERNATES (D#)

1. REMOVE EXISTING ROOFTOP UNIT IN ITS ENTIRETY. INCLUDING ALL ASSOCIATED DUCTWORK, PIPING, AND CONTROLS. PREP AREA TO RECEIVE NEW ROOFTOP UNIT WITH STANDARD CURB. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
2. REMOVE EXISTING BALLASTED EPDM ROOFING SYSTEM IN ITS ENTIRETY WITHIN THE HATCHED REGION (HEX PATTERN) SHOWN. PREP AREA FOR NEW CONDITION.
3. REMOVE EXISTING ADHERED EPDM ROOFING SYSTEM IN ITS ENTIRETY WITHIN THE HATCHED REGION (HONEYCOMB PATTERN) SHOWN. PREP AREA FOR NEW CONDITION.
4. REMOVE EXISTING MODIFIED MINERAL ROOFING SYSTEM IN ITS ENTIRETY WITHIN THE HATCHED REGION (SQUARE PATTERN) SHOWN. PREP AREA FOR NEW CONDITION.
5. REMOVE EXISTING ADHERED EPDM (STANDING SEAM) ROOFING SYSTEM IN ITS ENTIRETY WITHIN THE HATCHED REGION (CROSSHATCH PATTERN) SHOWN. PREP AREA FOR NEW CONDITION.

ROOF NEW WORK KEYNOTES - ALTERNATES (F#)

1. PROVIDE AND INSTALL NEW ROOFTOP UNIT INCLUDING ALL ASSOCIATED DUCTWORK, PIPING, AND CONTROLS. PROVIDE TYPICAL MECHANICAL EQUIPMENT CURB. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
2. TO BE DETERMINED.

ROOF LEGEND

- BALLASTED EPDM
- ADHERED EPDM
- MODIFIED MINERAL
- ADHERED EPDM (STANDING SEAM)

ALTERNATES

ALTERNATE #01 - AREA D CHIMNEY REMOVAL: DEMOLISH EXISTING CHIMNEY DOWN TO GRADE. PREP AREA TO RECEIVE NEW ASPHALT TO MATCH THE SURROUNDING CONDITIONS. SEE STRUCTURAL DRAWINGS FOR MORE INFORMATION. IF ALTERNATE IS NOT ACCEPTED, CHIMNEY IS TO BE CAPPED WITH METAL PLATE AND ANY OPENINGS LEFT IN CHIMNEY MASONRY FROM FLUE DUCT REMOVAL ARE TO BE PATCHED TO MATCH SURROUNDING CONDITIONS.

ALTERNATE #02 - AREA G FIELD HOUSE RTU REPLACEMENT: REMOVE AND REPLACE FIVE (5) EXISTING ROOF-TOP UNITS ON THE ROOF OF THE FIELD HOUSE.

ALTERNATE #03 - AREA D ROOFING REPLACEMENT: REMOVE AND REPLACE EXISTING ADHERED EPDM ROOFING SYSTEM AT ROOF SECTION 24, AND BALLASTED EPDM ROOFING SYSTEM AT ROOF SECTION 25. REMOVE EXISTING ABANDONED VENT PIPE AND ASSOCIATED SUPPORTS IN THEIR ENTIRETY. PATCH AND REPAIR ROOF SYSTEM TO MATCH SURROUNDING CONDITIONS.

ALTERNATE #04A - AREA A-1 ROOFING REPLACEMENT: REMOVE AND REPLACE EXISTING ADHERED EPDM ROOFING SYSTEM AT ROOF SECTION 7.

ALTERNATE #04B - AREA K ROOFING REPLACEMENT: REMOVE AND REPLACE EXISTING ADHERED EPDM ROOFING SYSTEM AT ROOF SECTION 12.

ALTERNATE #05A - AREA J & AREA I ROOFING REPLACEMENT: REMOVE AND REPLACE EXISTING BALLASTED EPDM ROOFING SYSTEM OVER THE OFFICE AREAS, SPECIFICALLY AT ROOF SECTIONS 8, 10, 11, 13, AND 15.

ALTERNATE #05B - AREA K ROOFING REPLACEMENT: REMOVE AND REPLACE EXISTING BALLASTED EPDM ROOFING SYSTEM OVER THE OFFICE AREAS, SPECIFICALLY AT ROOF SECTIONS 16 ,17, AND 20.

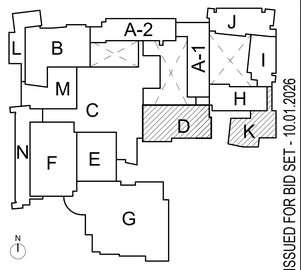
ALTERNATE #05C - AREA J, AREA I, & AREA K ROOFING REPLACEMENT: REMOVE AND REPLACE EXISTING ADHERED EPDM STANDING SEAM ROOFING SYSTEM AT ROOF SECTIONS 9, 14, AND 19.

ALTERNATE #06A - AREA G ROOFING REPLACEMENT: REMOVE AND REPLACE EXISTING BALLASTED EPDM ROOFING SYSTEM AT ROOF SECTIONS 36, 37, AND 40.

ALTERNATE #06B - AREA G ROOFING REPLACEMENT: REMOVE AND REPLACE EXISTING ADHERED EPDM ROOF SYSTEM OVER THE BARREL ROOF AT ROOF SECTION 39.

ALTERNATE #07 - EAHS MECHANICAL SERVICE AGREEMENT: THE MECHANICAL CONTRACTOR SHALL PROVIDE AND ALTERNATE BID NUMBER TO PROVIDE A MECHANICAL SERVICE AGREEMENT OF 2 YEARS AFTER THE COMPLETION OF THE PROJECT. THE SERVICE AGREEMENT SHALL PROVIDE A QUARTERLY FILTER REPLACEMENT FOR ALL EQUIPMENT WITH FILTERS, SEASONAL SPRING AND FALL CLEANING TO REMOVE COTTONWOOD AND OTHER DEBRIS FROM CONDENSER COILS AND EQUIPMENT LOCATED OUTDOORS, AND CHANGING OF BOILER COMBUSTION AIR FILTERS. EQUIPMENT TUNE UPS ARE REQUIRED EVERY 6 MONTHS, INCLUDING BUT NOT LIMITED TO, VERIFICATION OF GAS HEATING EQUIPMENT OPERATION IN THE FALL AND VERIFICATION OF DX COOLING PERFORMANCE IN THE SPRING. OTHER MANUFACTURER-REQUIRED EQUIPMENT MAINTENANCE IS TO BE PERFORMED AT MANUFACTURER-SPECIFIED INTERVALS.

KEY PLAN



CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

EAST AURORA SCHOOL DISTRICT #131
EAHS MECHANICAL IMPROVEMENTS -
PHASE III
500 TOMCAT LN.
AURORA, IL 60506

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CC JOB NUMBER 26-1012

DATE 10.01.2026

REVISIONS:

#	Description	Date

DRAWING TITLE:
ROOF PLANS - ALTERNATES

R-4.11

ISSUED FOR BID SET - 10.01.2026

10/1/2026 2:34:52 PM

DESIGN CRITERIA

1. BUILDING CODE: INTERNATIONAL BUILDING CODE (IBC) 2024 PER CITY OF AURORA
2. LIVE LOADS:

CATWALK FOR MAINTENANCE AND SERVICE ACCESS	40 PSF
WALKWAYS AND ELEVATED PLATFORMS	60 PSF
HANDRAILS, GUARDS	200 LBS OR 50 LBS/FT
MECH EQUIPMENT	SEE PLAN

3. WIND LOADS 114 MPH

BASIC WIND SPEED, V	III
BUILDING CATEGORY	C
EXPOSURE CATEGORY	+/-0.18

4. SNOW LOADS

GROUND SNOW LOAD, P	63 PSF
EXPOSURE FACTOR, Ce	1.0
THERMAL FACTOR, Ct	1.1
FLAT ROOF SNOW LOAD, Pf	49 PSF

5. CONSTRUCTION LOADS SHALL CONFORM TO ASCE 37. AFTER STRUCTURE HAS ACHIEVED FULL STRENGTH (BOTH GRAVITY AND LATERAL), CONSTRUCTION LOADS MAY BE APPLIED NOT TO EXCEED THE DESIGN LIVE LOADS AS INDICATED ABOVE. IF CONSTRUCTION LOADS HIGHER THAN THE DESIGN LIVE LOADS ARE REQUIRED, CONTRACTOR TO PROVIDE DOCUMENTATION OF APPROVAL PREPARED AND STAMPED BY A REGISTERED PROFESSIONAL IN THE STATE OF THE PROJECT LOCATION
6. REFERENCES TO STANDARDS ARE IN ACCORDANCE WITH INFO INDICATED IN SPECIFICATIONS AND APPLICABLE BUILDING CODE
7. LIGHTWEIGHT INSULATING FILL SHALL NOT EXCEED THE WEIGHT OF 30 PCF
8. CONTRACTOR SHALL SUBMIT DRAWINGS AND/OR CALCULATIONS PREPARED AND STAMPED BY A REGISTERED STRUCTURAL ENGINEER IN THE STATE OF ILLINOIS FOR ALL PRE-FABRICATED, PRE-ENGINEERED OR PROPRIETARY ELEMENTS AND THEIR CONNECTIONS INCLUDING, BUT NOT LIMITED TO, PRECAST CONCRETE FRAMING, STRUCTURAL STEEL, CONNECTIONS, STEEL STAIRS, OPEN-WEB STEEL JOISTS, WOOD TRUSSES, COLD-FORMED LIGHT-GAGE STEEL FRAMING, ETC.
9. PRINCIPAL OPENINGS ARE INDICATED ON THE DRAWINGS. SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR SLEEVES, BLOCKOUTS, CURBS, INSERTS, ETC.

GENERAL NOTES

1. DRAWINGS ARE NOT TO BE SCALED IN FIELD OR FROM ELECTRONIC FILES. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER DRAWN DIMENSIONS. VERIFY ALL DISCREPANCIES AND CONFLICTING INFORMATION ON DRAWINGS AND/OR SURVEY WITH ARCHITECT
2. STRUCTURAL DRAWINGS ARE ONLY A PART OF THE CONTRACT DOCUMENT AND SHALL BE USED IN CONJUNCTION WITH THE REMAINING PARTS OF THE DOCUMENT. CONTRACTOR IS RESPONSIBLE FOR REVIEWING ALL DRAWINGS AND SPECIFICATIONS AND VERIFYING ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION AND FABRICATION. THE ARCHITECT SHALL BE NOTIFIED FOR ANY DISCREPANCIES
3. DESIGN REQUIREMENTS AS INDICATED ON BOTH THE SPECIFICATION AND DRAWINGS, OR ON EITHER ONE ONLY, SHALL BE FOLLOWED ENTIRELY. WHERE COMPLIANCE WITH TWO OR MORE STANDARDS WITH CONFLICTING REQUIREMENTS IS SPECIFIED, NOTIFY THE ARCHITECT AND ENFORCE THE MOST STRINGENT REQUIREMENT
4. SHOP DRAWINGS PREPARED BY CONTRACTORS, SUPPLIERS, ETC., SHALL BE PROVIDED TO ARCHITECT AND ENGINEER FOR REVIEW. GENERAL CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS PRIOR TO SUBMITTING TO ARCHITECT AND ENGINEER
5. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING THE SIZES, LOCATIONS AND QUANTITIES OF ALL OPENINGS, SLEEVES, CHASES, CONDUITS, FLOOR DEPRESSIONS, CONCRETE PADS, CURBS, ETC., FROM ALL DISCIPLINES PRIOR TO FABRICATION OF STEEL OR PLACEMENT OF CONCRETE
6. CONTRACTOR IS RESPONSIBLE, UNRELIEVED BY THE REVIEW OF SHOP DRAWINGS OR FIELD OBSERVATIONS BY OTHERS, FOR THE COMPLIANCE OF THE CONTRACT DOCUMENTS, DIMENSIONS BETWEEN INDIVIDUALS OR SETS OF DRAWINGS, JOBSITE SAFETY AND CONSTRUCTION PROCEDURES, MEANS, METHODS, TECHNIQUES AND SEQUENCES
7. STRUCTURAL STABILITY OF THE BUILDING RELIES ON THE FINISHED CONSTRUCTION WITH COMPLETED FRAMING, CONNECTIONS, WALLS AND FLOORS. TEMPORARY BRACING AND SHORING SHALL BE PROVIDED BY THE CONTRACTOR TO ENSURE STABILITY OF THE STRUCTURE DURING CONSTRUCTION
8. TEMPORARY BRACING, SHORING, EARTH RETENTION SYSTEM, UNDERPINNING OR ANY WORK THAT MAY BE REQUIRED TO PROTECT THE EXISTING SURROUNDING PROPERTIES, BUILDINGS, UTILITIES, ETC., SHALL BE PROVIDED BY THE CONTRACTOR
9. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EFFECTS ON SURROUNDING EXISTING STRUCTURES FROM VIBRATIONS AND NOISES INDUCED BY THE CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL DETERMINE THE NEED TO PROVIDE PRE-CONSTRUCTION SURVEY, PROTECTION AND/OR MONITORING OF VIBRATIONS AND NOISES
10. LOCATION OF ALL CONSTRUCTION AND/OR CONTROL JOINTS TO BE REVIEWED BY THE ARCHITECT
11. DETAILS, SECTIONS AND NOTES ON THE DRAWINGS ARE INTENDED TO BE APPLIED TO SIMILAR CONDITIONS ELSEWHERE UNLESS NOTED OTHERWISE
12. UNLESS NOTED OTHERWISE ON THE DRAWINGS, THE STRUCTURAL FRAMING HAS BEEN ANALYZED TO ACCOMMODATE A UNIFORM DEAD LOAD OF 10 PSF FOR MECHANICAL EQUIPMENT. NOTIFY THE ARCHITECT OR ENGINEER FOR ANY CONCENTRATED OR DISTRIBUTED MECHANICAL LOADS THAT SHALL EXCEED THE CRITERIA
13. CENTERLINES OF COLUMNS AND THEIR FOUNDATIONS SHALL BE ALIGNED WITH THE GRID LINE INTERSECTIONS UNLESS NOTED OTHERWISE
14. STRUCTURAL COMPONENTS ARE NOT DESIGNED FOR VIBRATORY LOADS. VIBRATORY EQUIPMENT SHALL BE PLACED ON VIBRATION ISOLATORS
15. PENETRATIONS THROUGH STRUCTURAL MEMBERS, IF ANY, SHALL BE PROVIDED PER PLANS AND/OR SCHEDULES ON THE DRAWINGS. NOTIFY ARCHITECT AND ENGINEER FOR DISCREPANCIES
16. CONTRACTOR SHALL PROVIDE ALL MISCELLANEOUS STEEL, CONCRETE, WOOD, MASONRY, ETC., THAT MAY BE REQUIRED FOR ERECTION PURPOSES. CONTRACTOR SHALL REMOVE ALL THESE MISCELLANEOUS ITEMS AFTER CONSTRUCTION UNLESS APPROVED BY THE OWNER

EXCAVATION AND FOUNDATION

1. CONTRACTOR SHALL EMPLOY APPROVED DEWATERING METHODS TO MAINTAIN THE SITE AT AN APPROPRIATE CONDITION FOR CONSTRUCTION
2. EXCAVATIONS SHALL BE PERFORMED IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL MUNICIPALITY REQUIREMENTS
3. FOUNDATION DESIGN IS BASED ON IBC PRESUMPTIVE LOAD-BEARING VALUE TABLE AND SITE OBSERVATIONS.
4. FOUNDATION DESIGN IS BASED ON AN ASSUMED MINIMUM SOIL BEARING CAPACITY OF 1,500 PSF AT THE PROJECT ELEVATIONS ON SOIL/FILL. FINAL SOIL BEARING CAPACITIES SHALL BE FIELD-VERIFIED BY A QUALIFIED TESTING AGENCY RETAINED BY THE CONTRACTOR PRIOR TO CONCRETE PLACEMENT
5. CONTRACTOR SHALL PROVIDE PROTECTION TO NEW AND EXISTING UTILITIES DURING EXCAVATION TO PREVENT SETTLEMENT, DISPLACEMENT AND/OR DISRUPTION TO THE SERVICE
6. SUPPORTS FOR MOBILE CRANES AND FOUNDATIONS FOR TOWER CRANES OR HOISTS, IF APPLICABLE, SHALL BE DESIGNED BY A QUALIFIED PROFESSIONAL (RETAINED BY THE CONTRACTOR) AND PROVIDED TO THE ARCHITECT AND ENGINEER FOR REVIEW
7. ALL FOUNDATION EXCAVATION SHALL BE CLEAN, DRY AND FREE OF ICE, FROST AND STANDING WATER PRIOR TO CONCRETE PLACEMENT. RE-APPROVAL OF THE SUBGRADE BY GEOTECHNICAL ENGINEER WILL BE REQUIRED IF THE EXCAVATED AREA HAS EXPERIENCED SATURATION OR FLOODING AFTER APPROVAL

BACKFILL

1. UNLESS ADEQUATE TEMPORARY BRACING ARE IN PLACE, BACKFILLING AND COMPACTION OF SOIL AGAINST FOUNDATION WALLS SHALL NOT BE PERFORMED UNTIL THE FLOORS THAT PROVIDE LATERAL STABILITY TO THE WALLS HAVE DEVELOPED THE DESIGN STRENGTH
2. IN AREAS WHERE BACKFILLING IS REQUIRED ON BOTH SIDES OF A WALL OR GRADE BEAM, BACKFILLING SHALL BE PERFORMED ON BOTH SIDES SIMULTANEOUSLY AT SIMILAR HEIGHTS TO PREVENT OVERTURNING OR LATERAL MOVEMENT OF THE STRUCTURE
3. FILL MATERIALS, PLACEMENTS, LIFT THICKNESS AND COMPACTION SHALL BE PERFORMED IN ACCORDANCE WITH GEOTECHNICAL RECOMMENDATIONS AND INSPECTED BY A QUALIFIED TESTING AGENCY RETAINED BY THE CONTRACTOR
4. CONTRACTOR SHALL REVIEW IN DETAIL EXCAVATION AND BACKFILL REQUIREMENTS AS OUTLINED IN GEOTECHNICAL REPORT, SUCH WORK MAY EXTEND SIGNIFICANTLY BELOW FOOTING ELEVATIONS AS INDICATED ON PLAN, ALL EXCAVATION AND BACKFILL SHALL BE WITHIN THE SCOPE OF THE CONTRACTORS WITH NO ADDITIONAL COSTS TO THE OWNER OR EXTENSION TO THE PROJECT SCHEDULE
5. FOUNDATION SHALL BE BACKFILLED AS SOON AS PRACTICALLY POSSIBLE TO PREVENT EXCESSIVE MOISTURE INFILTRATION, SOIL EROSION AND/OR FROST-HEAVE ACTION
6. CONTRACTOR TO CONSULT WITH PLUMBING ENGINEER FOR SPECIAL GRANULAR FILL THAT MAY BE REQUIRED FOR DRAINAGE SYSTEM

REINFORCING STEEL REBAR

1. REINFORCING STEEL SHALL BE DEFORMED #3 THROUGH #18 REBAR CONFORMING TO ASTM A615 GR. 60
2. ELECTRICALLY WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A185 AND A1064. STRUCTURAL FIBERS MAY BE ADDED TO OR REPLACE WWF WITH APPROVAL FROM THE ENGINEER
3. WWF SHALL OVERLAP 2 FULL MESH PANELS AND MECHANICALLY TIED IN AREAS WHERE LAPPING IS REQUIRED
4. DETAILING OF ALL REINFORCING STEEL REBAR AND ACCESSORIES SHALL CONFORM TO ACI 315
5. CONTRACTOR TO PROVIDE ENGINEERED SHOP DRAWINGS THAT ENTAIL THE LOCATIONS OF ALL CONCRETE CONSTRUCTION JOINTS, CURBS, PADS, SLAB DEPRESSIONS, SLEEVES, ETC., WITH CORRESPONDING REINFORCING STEEL REBAR SIZES, SPACING, DETAILS, ETC. GENERAL CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS PRIOR TO SUBMITTING TO ARCHITECT AND ENGINEER FOR REVIEW
6. DOWELS SHALL MATCH THE SIZE, SPACING AND QUANTITY OF THE MAIN REINFORCING STEEL REBAR UNLESS NOTED OTHERWISE
7. ALL REBAR (INCLUDING TOP, BOTTOM AND SIDES IN SLABS AND BEAMS) EXPOSED TO ELEMENTS SUCH AS PRECIPITATION, DE-ICING SALT, PLANTING SOIL OR AS NOTED ON DRAWINGS SHALL BE EPOXY COATED CONFORMING TO ASTM A775
8. WELDING OF REBAR IS NOT PERMITTED UNLESS SPECIFICALLY INDICATED ON DRAWINGS. REBAR WELDING SHALL CONFORM TO ASTM A706 AND AWS D1.4
9. REBAR SPLICES SHALL CONFORM TO ACI 318. SPLICE REBAR ONLY AS INDICATED ON DRAWINGS EXCEPT FOR REBAR NOTED AS CONTINUOUS. CONTINUOUS REBAR SHALL BE SPLICED WITH CLASS A LAP SPLICE AT SUPPORT FOR BOTTOM REBAR AND AT MID-SPAN FOR TOP AND SIDE REBAR

CONCRETE

1. ALL CONCRETE WORK SHALL CONFORM TO THE APPLICABLE EDITION OF ACI 301 AND ACI 318
2. CAST-IN-PLACE CONCRETE SHALL HAVE SAND AND GRAVEL OR CRUSHED STONE AGGREGATES WITH MAX. W/C RATIO OF 0.45 TO 0.50. CONCRETE SHALL BE THE FOLLOWING TYPES AND MIN. 28-DAY COMPRESSIVE STRENGTHS UNLESS NOTED OTHERWISE:

FOOTINGS	NORMAL WEIGHT	4,000 PSI
SLAB-ON-GRADE	NORMAL WEIGHT	3,500 PSI
FILL ON METAL DECK	LIGHTWEIGHT	4,000 PSI
OTHER	NORMAL WEIGHT	4,000 PSI

ALL CONCRETE SUBJECT TO EXTERIOR EXPOSURE SHALL BE 4.5% TO 7.5% AIR-ENTRAINED (3% FOR TROWEL-FINISHED SURFACE)

3. CONCRETE PROTECTION FOR STEEL REINFORCEMENT SHALL BE AS INDICATED BELOW UNLESS NOTED OTHERWISE:

CONCRETE CAST AGAINST EARTH WITHOUT FORM	3"	
FORMED CONCRETE EXPOSED TO EARTH OR WEATHER	2"	
SLABS-ON-GRADE	1 1/2"	TOP
ELEVATED SLABS AND JOISTS	3/4"	TOP
	1"	BOTTOM

REFER TO ACI 318 FOR CONDITIONS NOT INDICATED

4. WWF MAY BE SUBSTITUTED WITH STRUCTURAL FIBERS WITH APPROVAL FROM THE ARCHITECT AND ENGINEER. DOSAGE OF FIBERS SHALL BE SPECIFIED BY THE MANUFACTURER TO ACHIEVE EQUIVALENT PERFORMANCE TO THE SPECIFIED WWF AND MAINTAIN THE SPECIFIED W/C RATIO
5. CONCRETE PADS OF 4" THICK OR LESS SHALL BE REINFORCED WITH 6x6-W2.9xW2.9 WWF UNLESS NOTED OTHERWISE
6. USE OF ADMIXTURES CONTAINING CHLORIDE OR CALCIUM CHLORIDE IN CONCRETE IS NOT PERMITTED
7. CONCRETE MIX DESIGN SHALL BE SUBMITTED TO ARCHITECT AND ENGINEER FOR REVIEW
8. REINFORCING STEEL REBAR SHALL NOT BE CUT, MOVED OR INTERRUPTED FOR ANY SLEEVES, PENETRATIONS OR BLOCKOUTS IN THE CONCRETE WALLS OR ELEVATED SLABS UNLESS NOTED OTHERWISE
9. CONTRACTOR SHALL VERIFY ALL FLOOR FINISHES, CURBS, PADS, DEPRESSIONS, ETC., IN CONCRETE SLABS WITH ARCHITECTURAL DRAWINGS
10. CONTRACTOR SHALL SURVEY ALL CONCRETE ELEVATIONS AFTER THE REMOVAL OF THE FORMS AND TEMPORARY SUPPORTS. NOTIFY ARCHITECT FOR ANY DISCREPANCIES WITH THE DRAWINGS
12. ALL CONCRETE WORK PERFORMED DURING HOT OR COLD WEATHER SHALL CONFORM TO ACI 305 AND ACI 306
13. REMOVAL OF FORMWORK AND RESHORING OF STRUCTURE SHALL CONFORM TO ACI 301 AND ACI 347
14. ANCHOR RODS OR DOWELS SHALL BE PLACED PRIOR TO CONCRETE POURING. INSERTION OF SUCH ITEMS INTO WET CONCRETE IS NOT PERMITTED
15. ALL EMBEDMENTS SUCH AS CONDUITS, PIPES, SLEEVES, ETC., IN CONCRETE SHALL CONFORM TO ACI 318

STRUCTURAL STEEL

1. ALL STRUCTURAL STEEL SHALL BE NEW AND CONFORM TO THE FOLLOWING UNLESS NOTED OTHERWISE:

ROLLED SHAPES	ASTM A992 GR. 50 (50 KSI)
PLATES, ANGLES, CHANNELS	ASTM A36 (36 KSI)
RECTANGULAR HSS	ASTM A500 GR. B (46 KSI)
ROUND PIPES	ASTM A53 GR. B (35 KSI)
ANCHOR RODS	ASTM F1554 GR. 55 (55 KSI)

2. WELDS SHALL BE E70XX ELECTRODES AND CONFORM TO AWS D1.1 (D1.2 FOR ALUMINUM AND D1.6 FOR STAINLESS STEEL)
3. BOLTS SHALL BE MINIMUM OF 3/4" DIA. AND CONFORM TO ASTM A325 OR A490
4. GALVANIZING SHALL CONFORM TO ASTM A123
5. ALL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE CURRENTLY APPLICABLE CODES AND AISC STANDARDS
6. ALL STEEL SHALL BE SIZES INDICATED ON THE DRAWINGS. SUBSTITUTIONS, EVEN WITH MEMBERS OF HIGHER CAPACITIES, ARE NOT PERMITTED UNLESS APPROVED BY THE ARCHITECT AND ENGINEER
7. STEEL CONTRACTOR TO PROVIDE ENGINEERED SHOP DRAWINGS THAT ENTAIL ERECTION PLANS, MEMBER SIZES AND MARKS, FABRICATION AND ASSEMBLY DETAILS, CONNECTIONS, ETC. GENERAL CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS PRIOR TO SUBMITTING TO ARCHITECT AND ENGINEER FOR REVIEW
8. DETAILS SHOWN ON DRAWINGS ARE CONCEPTUAL ONLY. THEY DO NOT INDICATE THE REQUIRED PLATE SIZES, BOLT QUANTITIES, WELD SIZES, ETC., UNLESS NOTED OTHERWISE
9. UNLESS THE CONNECTION DESIGN IS SPECIFICALLY INDICATED ON THE DRAWINGS, ALL SHEAR CONNECTIONS SHALL BE DESIGNED BY THE STEEL CONTRACTOR UTILIZING RATIONAL ENGINEERING METHODS IN ACCORDANCE WITH THE LATEST EDITION OF AISC STEEL CONSTRUCTION MANUAL. CALCULATIONS PREPARED AND STAMPED BY A REGISTERED STRUCTURAL ENGINEER IN THE STATE OF ILLINOIS SHALL BE SUBMITTED FOR REVIEW
10. ALL SHEAR CONNECTIONS BETWEEN BEAMS, GIRDERS AND COLUMNS SHALL BE DESIGNED BASED ON THE GREATEST MAGNITUDE OF THE FOLLOWINGS OR AS DEEMED APPLICABLE BY THE DESIGNING PROFESSIONAL UNLESS NOTED OTHERWISE:
    - FORCES INDICATED ON PLAN (SERVICE LOADS)
    - ONE-HALF (50%) OF THE TOTAL UNIFORM LOAD FOR THE MEMBER AS TABULATED IN THE AISC MANUAL (75% FOR COMPOSITE BEAMS)
12. ALL WELDS SHALL BE CONTINUOUS FILLET WELDS OF MINIMUM 1/4" SIZE UNLESS NOTED OTHERWISE
13. STRUCTURAL STEEL NOT RECEIVING FIRE PROOFING OR GALVANIZING SHALL BE PAINTED WITH CHROMATE AND LEAD-FREE RUST-INHIBITIVE METAL PRIMER SUCH AS TNEMEC 10-99G OR EQUIVALENT. VERIFY WITH ARCHITECT ON FIRE PROOFING AND PAINT REQUIREMENTS
14. STRUCTURAL STEEL EXPOSED TO ELEMENTS SHALL BE PAINTED OR HOT-DIP GALVANIZED
15. ANY PAINT OR GALVANIZED COATING REMOVED OR DAMAGED DURING CONSTRUCTION SHALL BE TOUCHED UP IN FIELD WITH THE SAME TYPE AND COLOR OF COATING. TOUCH-UP GALVANIZED PAINT SHALL CONFORM TO TT-P-641
16. SPLICING OF STEEL MEMBERS ARE NOT PERMITTED UNLESS NOTED OTHERWISE ON DRAWINGS OR APPROVED BY THE ARCHITECT AND ENGINEER
17. CUTTING OR BURNING HOLES IN STEEL MEMBERS IN FIELD IS NOT PERMITTED UNLESS APPROVED BY THE ARCHITECT AND ENGINEER
18. STEEL MEMBERS SHALL BE FABRICATED WITH CAMBER AS INDICATED ON DRAWINGS. ERECT MEMBERS WITH NATURAL CAMBER UP
19. STEEL FRAMING STRUCTURE IS UNSTABLE UNTIL THE LATERAL LOAD RESISTING COMPONENTS ARE IN PLACE AND CONNECTIONS ARE 100% COMPLETE. CONTRACTOR TO PROVIDE TEMPORARY SUPPORT DURING CONSTRUCTION UNTIL THE FRAMING IS STRUCTURALLY STABLE
20. HIGH STRENGTH NON-SHRINK LEVELING GROUT SHALL BE PROVIDED AT ALL STEEL BEARING LOCATIONS ON CONCRETE SUCH AS BELOW COLUMN BASE PLATES

MASONRY UNITS

1. ALL MASONRY WORK SHALL CONFORM TO THE APPLICABLE EDITION OF ACI 530/ASCE 5/TMS 402 AND ACI 530.1/ASCE 6/TMS 602
2. ALL MASONRY MATERIALS SHALL CONFORM TO THE FOLLOWING UNLESS NOTED OTHERWISE:

CONCRETE UNITS	ASTM C90	(f'mu) 2,800 PSI
TYPE S MORTAR	ASTM C270	(f'm) 2,000 PSI FOR CONCRETE
GROUT	ASTM C476	3,000 PSI
AGGREGATE	ASTM C144	
FACE BRICK	ASTM C216	

3. ALL MASONRY WORK PERFORMED DURING HOT OR COLD WEATHER SHALL CONFORM TO ACI 530.1
4. ALL HEAD AND BED JOINTS OF THE MASONRY CONSTRUCTION SHALL BE FULLY MORTARED
5. UNLESS NOTED OTHERWISE ON PLANS OR SCHEDULES, PROVIDE LINTELS TO ALL OPENINGS IN MASONRY WALLS (RUNNING BOND ONLY) ACCORDING TO THE FOLLOWING. GALVANIZE LINTELS IN EXTERIOR WALLS AND IF PAINT IS REQUIRED PER ARCH. SUCH PAINT SHALL BE COMPATIBLE WITH GALV COATING. OPENINGS MAY OCCUR UNDER DIFFERENT DISCIPLINES AND NOT BE SHOWN ON STRUCTURAL DRAWINGS:

OPENING SIZE	LINTEL	END BEARING
5'-0" OR LESS	(1) L4x3 1/2x5/16 LLV PER 4" OF WALL	4"
5'-1" TO 7'-0"	(1) L5x3 1/2x3/8 LLV PER 4" OF WALL	4"
7'-1" TO 8'-0"	(1) L6x3 1/2x3/8 LLV PER 4" OF WALL	8" WITH GROUT**
8'-1" TO 11'-4"	W8x18 WITH 3/8" TOP PLATE	8" WITH PLATE AND GROUT**

**GROUT TWO TO THREE CORES SOLID FOR TWO COURSES BELOW LINTEL BEARING, SEE TYPICAL DETAIL
WELD TOP PLATE TO LINTEL WITH 1/4"x4" FILLET WELDS AT 12" O.C. STAGGERED

POST-INSTALLED ANCHORS AND ADHESIVES

1. INSTALLATION OF ALL ANCHORS SHALL NOT DAMAGE ANY EXISTING REINFORCEMENT. CONTRACTOR SHALL UTILIZE NON-DESTRUCTIVE METHODS TO LOCATE ALL REINFORCEMENT IN CONCRETE PRIOR TO DRILLING. SHOULD CONFLICT BE UNAVOIDABLE, ARCHITECT AND ENGINEER SHALL BE NOTIFIED IMMEDIATELY
2. ALL POST-INSTALLED ANCHORING SYSTEMS SHALL BE ICC-ESR APPROVED UNLESS NOTED OTHERWISE. SUBSTITUTION OF APPROVED SYSTEMS WITH NON-APPROVED SYSTEMS IS NOT PERMITTED
3. ALL ADHESIVE SYSTEMS APPLIED TO CONCRETE SHALL BE INJECTION TYPE SUCH AS POWERS PE1000+, HILTI HIT-HY200 OR EQUIVALENT UNLESS NOTED OTHERWISE
4. ALL ADHESIVE SYSTEMS APPLIED TO GROUT-FILLED CMU SHALL BE INJECTION TYPE SUCH AS POWERS PE1000+, HILTI HIT-HY270 OR EQUIVALENT UNLESS NOTED OTHERWISE
5. ALL ADHESIVE SYSTEMS APPLIED TO HOLLOW CMU OR BRICK SHALL BE INJECTION TYPE SUCH AS POWERS AC100+ GOLD, HILTI HIT-HY270 OR EQUIVALENT UNLESS NOTED OTHERWISE
6. ANCHORS SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS, CONSULT WITH MANUFACTURER FOR PRODUCT SPECIFIC APPLICATION

STRUCTURAL TESTS, OBSERVATIONS AND SPECIAL INSPECTIONS

1. ALL STRUCTURAL TESTS, OBSERVATIONS AND SPECIAL INSPECTIONS SHALL CONFORM TO THE APPLICABLE EDITION OF IBC, CHAPTER 17
2. THE ARCHITECT OF RECORD IS THE REGISTERED PROFESSIONAL OF RESPONSIBLE CHARGE OF THIS PROJECT
3. THE INSPECTORS SHALL BE QUALIFIED OR CERTIFIED INDIVIDUALS FROM AN INDEPENDENT TESTING AGENCY RETAINED BY THE OWNER OR OWNER'S REPRESENTATIVE. SPECIAL INSPECTIONS SHALL BE PERFORMED TO THE SATISFACTION OF THE BUILDING OFFICIALS
4. OWNER OR OWNERS REPRESENTATIVE SHALL EMPLOY A REGISTERED STRUCTURAL ENGINEER IN THE STATE OF ILLINOIS TO PERFORM STRUCTURAL OBSERVATIONS. THE STRUCTURAL OBSERVER SHALL VISUALLY OBSERVE REPRESENTATIVE LOCATIONS OF STRUCTURAL SYSTEMS, DETAILS, AND LOAD PATHS FOR GENERAL CONFORMANCE TO THE APPROVED CONSTRUCTION DOCUMENTS
5. GENERAL CONTRACTOR SHALL COORDINATE AND PROVIDE ACCESS TO ALL TESTING AND INSPECTIONS FOR THE SPECIAL INSPECTORS. CONTRACTOR TO NOTIFY ARCHITECTS AND ENGINEERS OF WORK READY FOR OBSERVATIONS, TESTING OR INSPECTIONS
6. SPECIAL INSPECTORS SHALL IMMEDIATELY BRING ALL NON-COMPLIANT ITEMS TO THE ATTENTION OF THE GENERAL CONTRACTOR, ARCHITECT AND ENGINEER. THE INSPECTORS SHALL ALSO PROVIDE PERIODIC REPORTS ON ALL NON-COMPLIANT AND/OR OUTSTANDING ITEMS TO THE OWNER, BUILDING OFFICIALS AND ARCHITECT UNTIL ALL WORKS ARE FULLY COMPLETED
7. SPECIAL INSPECTORS SHALL PROVIDE TO THE ARCHITECT SIGNED REPORTS ADDRESSING ALL CONSTRUCTION WORKS THAT REQUIRE SPECIAL INSPECTIONS AND THAT SUCH WORKS ARE COMPLETED IN CONFORMANCE WITH THE CODE REQUIREMENTS. THE FORMAT OF THE REPORTS SHALL BE APPROVED BY THE BUILDING OFFICIALS
8. UNLESS SPECIFICALLY NOTED IN WRITING, FIELD OBSERVATIONS PERFORMED BY THE DESIGN ARCHITECT OR ENGINEER ARE FOR THE SOLE PURPOSE OF GENERAL PROGRESS OF THE PROJECT. THEY ARE NOT INTENDED TO BE APPROVAL OF THE WORKMANSHIP, SAFETY OR FIELD CONDITION. CONTRACTOR IS RESPONSIBLE, UNRELIEVED BY THE FIELD OBSERVATIONS BY OTHERS, FOR THE COMPLIANCE OF THE CONTRACT DOCUMENTS AND SAFETY REQUIREMENTS
9. SPECIAL INSPECTIONS SHALL BE PROVIDED DURING CONSTRUCTION IN ACCORDANCE WITH IBC FOR THE FOLLOWING:

TYPE OF WORK	REFERENCE IBC SECTION	INSPECTION FREQUENCY
INSPECTION OF FABRICATORS	1704.2.5	N/A
STEEL CONSTRUCTION	1705.2	TABLE 1705.2.3
CONCRETE CONSTRUCTION	1705.3	TABLE 1705.3
MASONRY CONSTRUCTION	1705.4	SEE BELOW
WOOD CONSTRUCTION	1705.5	N/A
SOILS AND FOOTINGS	1705.6	TABLE 1705.6

TYPE OF WORK — STRUCTURAL STEEL

	FREQUENCY: CONTINUOUS	PERIODIC
IN ACCORDANCE WITH AISC 360	--	--

TYPE OF WORK — CONCRETE CONSTRUCTION (IBC TABLE 1705.3)

	CONTINUOUS	PERIODIC
INSPECTION OF REINFORCING STEEL, PRESTRESSING TENDONS AND PLACEMENT	--	Y
WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A706	--	Y
SINGLE-PASS FILLET WELDS OF 5/16" MAXIMUM	--	Y
ALL OTHER WELDS	Y	--
CAST-IN ANCHORS	--	Y
POST-INSTALLED ADHESIVE ANCHORS IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATION TO RESIST SUSTAINED TENSION LOADS	Y	--
ALL OTHER POST-INSTALLED MECHANICAL AND ADHESIVE ANCHORS	--	Y
VERIFICATION OF USE OF DESIGN MIX	--	Y
SLUMP, STRENGTH, AIR CONTENT AND TEMPERATURE TESTS OF SAMPLE CONCRETE SPECIMEN	Y	--
INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT	Y	--
INSPECTION OF CURING TEMPERATURE AND TECHNIQUE	--	Y
INSPECTION OF FORCES AND GROUTING OF PRESTRESSED CONCRETE	N/A	
ERECTION OF PRECAST CONCRETE	N/A	
VERIFICATION OF CONCRETE STRENGTH IN POST-TENSIONED CONCRETE	N/A	
INSPECTION OF FORMWORK	--	Y

TYPE OF WORK — MASONRY CONSTRUCTION

	FREQUENCY: CONTINUOUS	PERIODIC
IN ACCORDANCE WITH TMS 402/ACI 530/ASCE 5 AND TMS 602/ACI 530.1/ASCE 6	--	--

TYPE OF WORK — SOILS AND FOOTINGS (IBC TABLE 1705.6)

	CONTINUOUS	PERIODIC
VERIFICATION OF SOILS FOR MATERIALS AND DESIGN CAPACITY	--	Y
VERIFICATION OF DEPTH OF EXCAVATIONS AND SOIL MATERIALS	--	Y
CLASSIFICATION AND TESTING OF COMPACTED BACKFILL	--	Y
VERIFICATION OF MATERIALS, DENSITIES, LIFT THICKNESSES OF BACKFILL	Y	--
PREPARATION OF SUBGRADE PRIOR TO BACKFILL PLACEMENT	--	Y

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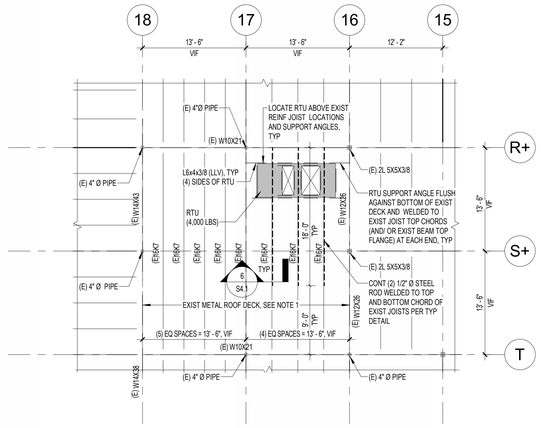
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DRAWING TITLE: GENERAL NOTES

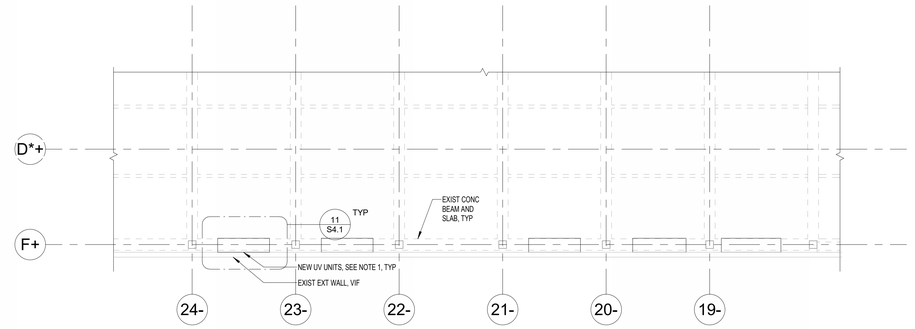
S1.1



NORTH 1 AREA C - PARTIAL ROOF FRAMING PLAN
1/8" = 1'-0"

NOTES:
1. EXISTING 1 1/2" METAL ROOF DECK, VIF
2. ALL ROOF DECK OPENINGS AND SIZES AND LOCATIONS SHALL BE COORDINATED WITH ARCHITECTURAL AND MEP DRAWINGS, SEE TYPICAL DETAILS FOR ROOF OPENING REINFORCEMENT
3. PROVIDE FRAMING FOR RTU SUPPORT PER TYP DETAILS. VERIFY LOCATION WITH ARCHITECTURAL AND MEP DRAWINGS. NOTIFY EOR/AOR IMMEDIATELY IF UNIT LOCATION CHANGES OR IF RTU WEIGHT EXCEEDS THE VALUE ON THE DRAWINGS
4. NOTIFY EOR IF EXISTING RTU FRAMING CONFLICTS WITH NEW PROPOSED SUPPORT FRAMING
5. MISC STEEL, WOOD OR CONCRETE REQUIRED BY OTHER DISCIPLINES MAY NOT BE INDICATED ON STRUCTURAL DRAWINGS

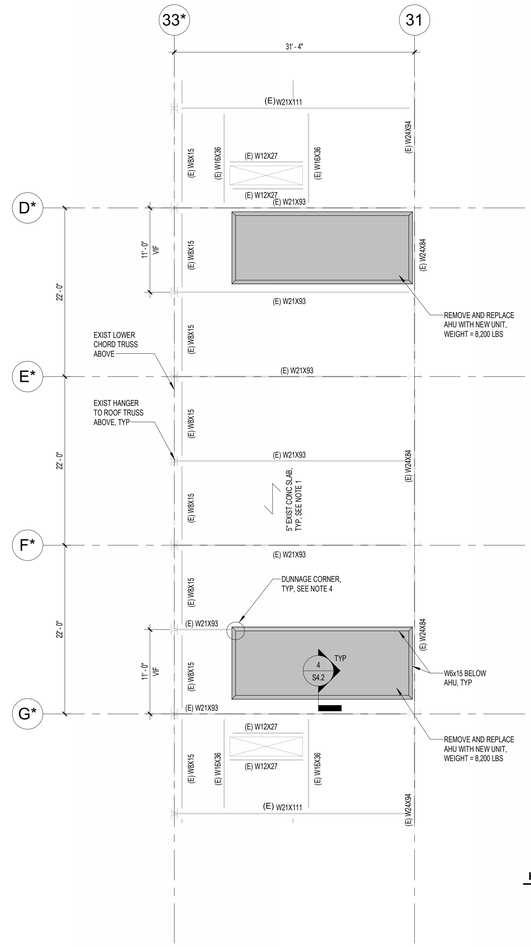
NOTE:
CONTRACTOR TO VERIFY EXISTING CONDITIONS AS SHOWN. NOTIFY ARCH AND EOR IMMEDIATELY IF OTHER THAN WHAT IS SHOWN

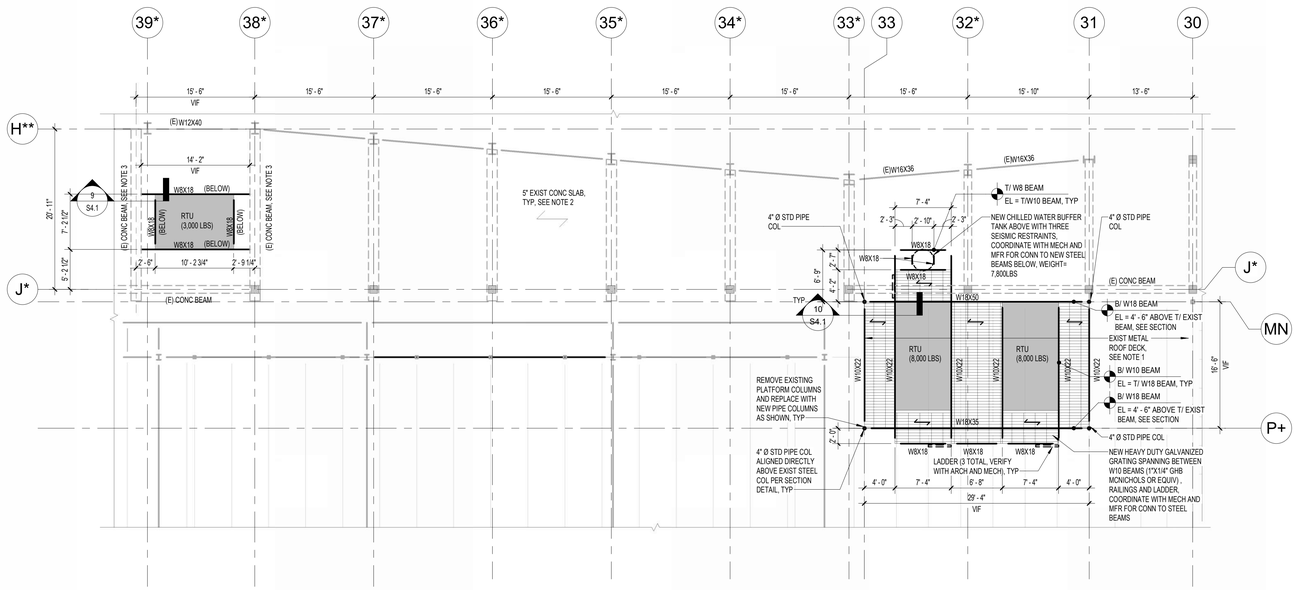


NORTH 2 AREA A-2 - PARTIAL FIRST AND SECOND FLOOR PLANS
1/8" = 1'-0"

NOTES:
1. SEE MECH FOR MORE INFO ON UV UNIT LOCATIONS, QUANTITIES AND REQUIREMENT
2. MISC STEEL, WOOD OR CONCRETE REQUIRED BY OTHER DISCIPLINES MAY NOT BE INDICATED ON STRUCTURAL DRAWINGS

NOTE:
CONTRACTOR TO VERIFY EXISTING CONDITIONS AS SHOWN. NOTIFY ARCH AND EOR IMMEDIATELY IF OTHER THAN WHAT IS SHOWN





NORTH 3 AREA B (BALCONY) - PARTIAL ROOF FRAMING PLAN
1/8" = 1'-0"

NOTES:
1. EXISTING 1 1/2" METAL ROOF DECK, VIF
2. EXISTING 5" CONCRETE SLAB, VIF
3. EXISTING 16"X18" CONCRETE BEAM, VIF
4. VERIFY RTU LOCATION WITH ARCHITECTURAL AND MEP DRAWINGS. NOTIFY EOR/AOR IMMEDIATELY IF UNIT LOCATION CHANGES OR IF RTU WEIGHT EXCEEDS THE VALUE ON THE DRAWINGS
5. MISC STEEL, WOOD OR CONCRETE REQUIRED BY OTHER DISCIPLINES MAY NOT BE INDICATED ON STRUCTURAL DRAWINGS

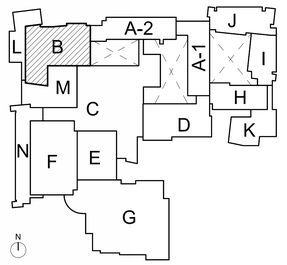
NOTE:
CONTRACTOR TO VERIFY EXISTING CONDITIONS AS SHOWN. NOTIFY ARCH AND EOR IMMEDIATELY IF OTHER THAN WHAT IS SHOWN

NORTH 4 AREA B - MECHANICAL FAN ROOM PARTIAL FRAMING PLAN
1/8" = 1'-0"

NOTES:
1. EXISTING 5" CONCRETE SLAB WITH #5 AT 6" OC ALT ST AND BNT
2. TOP OF FLOOR EL = 35' - 10", VIF
3. MISC STEEL, WOOD OR CONCRETE REQUIRED BY OTHER DISCIPLINES MAY NOT BE INDICATED ON STRUCTURAL DRAWINGS
4. MITER CUT. 3/16" PJP GROOVE WELD AT FLANGES, 3/16" FILLET WELD AT WEBS, ALL ACCESSIBLE SIDES.

NOTE:
CONTRACTOR TO VERIFY EXISTING CONDITIONS AS SHOWN. NOTIFY ARCH AND EOR IMMEDIATELY IF OTHER THAN WHAT IS SHOWN

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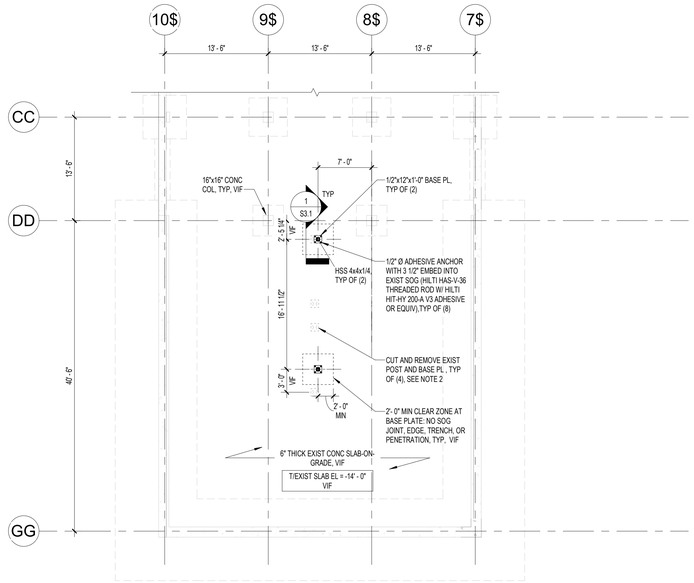
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PARTIAL PLANS - AREAS B & C & A-2

S2.1

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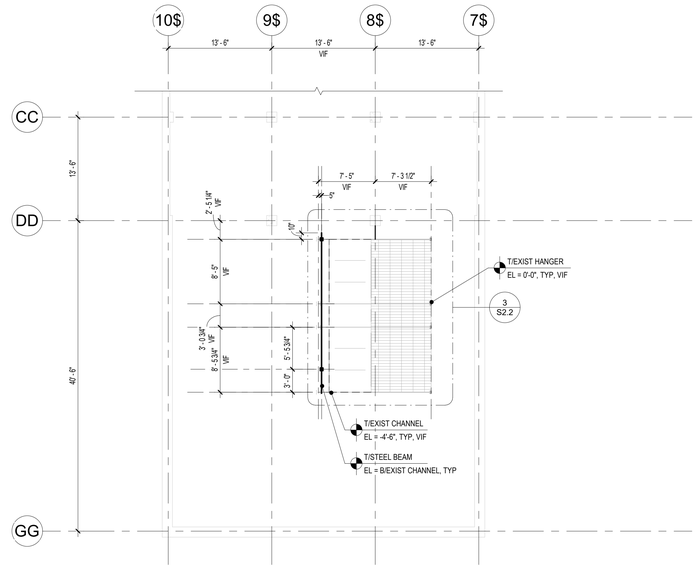
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NORTH 1 AREA D - PARTIAL FOUNDATION PLAN
1/8" = 1'-0"

NOTES:
1. MISC STEEL, WOOD OR CONCRETE REQUIRED BY OTHER DISCIPLINES MAY NOT BE INDICATED ON STRUCTURAL DRAWINGS
2. REMOVE EXIST POST AND BASE PLATE ONLY AFTER SHORING IS IN PLACE. WHERE NEW BASE PLATE OVERLAPS EXIST BASE PLATE, REMOVE EXIST PLATE AND ANCHORS. CUT RODS BELOW TOP OF SLAB AND FILL ALL EXIST HOLES SOLID WITH NON-SHRINK GROUT.

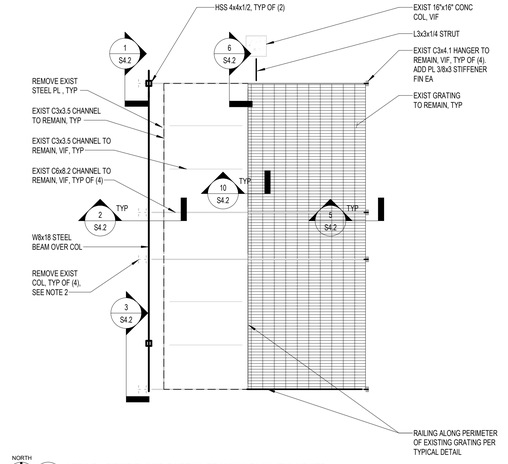
NOTE:
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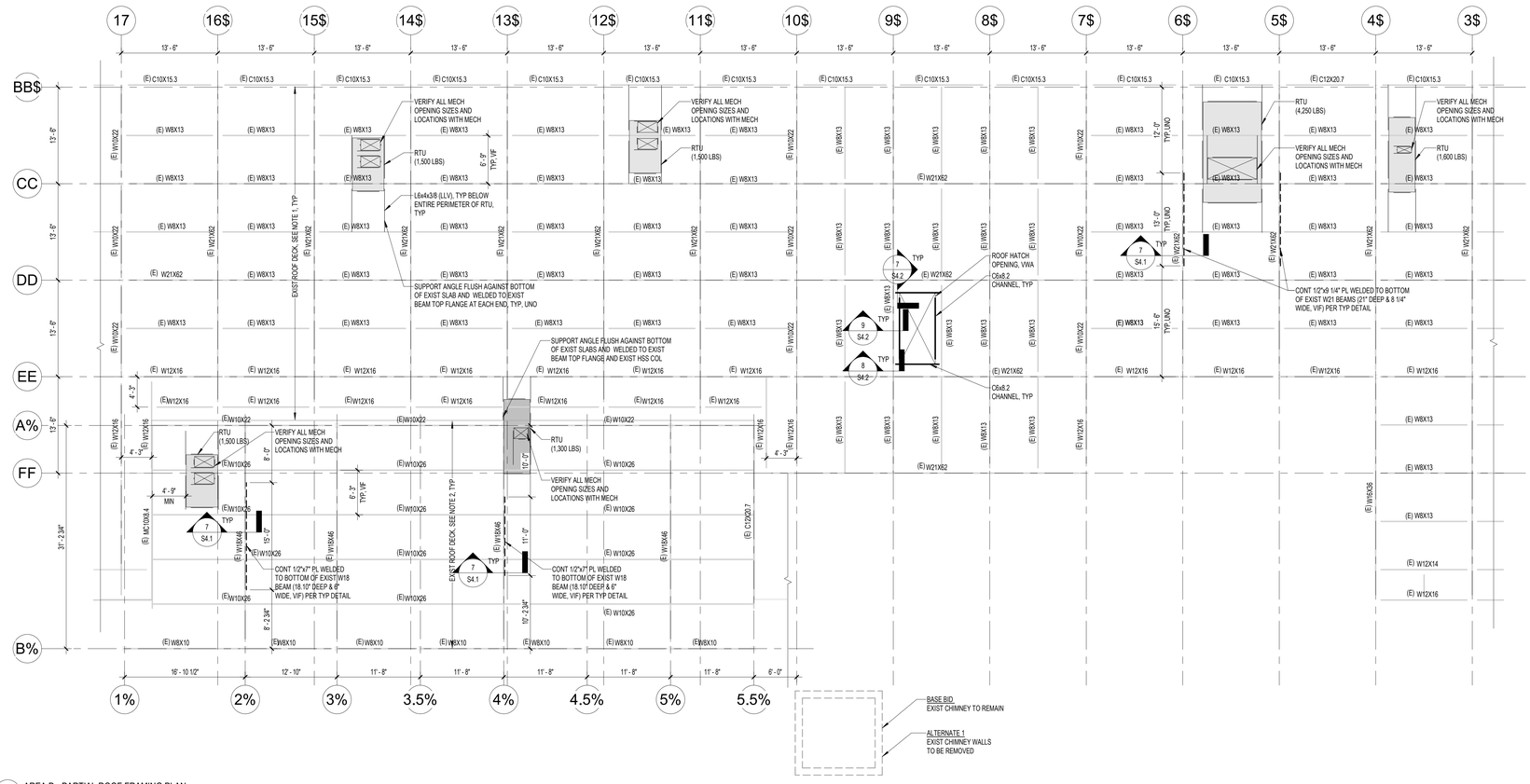
NORTH 2 AREA D - FIRST FLOOR PARTIAL FRAMING PLAN
1/8" = 1'-0"

NOTES:
1. MISC STEEL, WOOD OR CONCRETE REQUIRED BY OTHER DISCIPLINES MAY NOT BE INDICATED ON STRUCTURAL DRAWINGS
2. REMOVE EXIST POST AND BASE PLATE ONLY AFTER SHORING IS IN PLACE

NOTE:
CONTRACTOR TO VERIFY EXISTING CONDITIONS AS SHOWN. NOTIFY ARCH AND EOR IMMEDIATELY IF OTHER THAN WHAT IS SHOWN



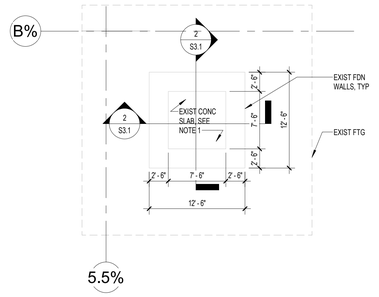
NORTH 3 AREA D - FIRST FLOOR PARTIAL FRAMING PLAN (ENLARGED)
1/4" = 1'-0"



NORTH 4 AREA D - PARTIAL ROOF FRAMING PLAN
1/8" = 1'-0"

NOTES:
1. EXISTING 3" THICK INSULROCK SLAB, VIF
2. EXISTING 1 1/2" METAL ROOF DECK, VIF
3. ALL ROOF DECK OPENINGS AND SIZES AND LOCATIONS SHALL BE COORDINATED WITH ARCHITECTURAL AND MEP DRAWINGS. SEE TYPICAL DETAILS FOR ROOF OPENING REINFORCEMENT
4. PROVIDE FRAMING FOR RTU SUPPORT PER TYP DETAILS. VERIFY LOCATION WITH ARCHITECTURAL AND MEP DRAWINGS. NOTIFY EOR/AOR IMMEDIATELY IF UNIT LOCATION CHANGES OR IF RTU WEIGHT EXCEEDS THE VALUE ON THE DRAWINGS
5. NOTIFY EOR IF EXISTING RTU FRAMING CONFLICTS WITH NEW PROPOSED SUPPORT FRAMING
6. MISC STEEL, WOOD OR CONCRETE REQUIRED BY OTHER DISCIPLINES MAY NOT BE INDICATED ON STRUCTURAL DRAWINGS

NOTE:
CONTRACTOR TO VERIFY EXISTING CONDITIONS AS SHOWN. NOTIFY ARCH AND EOR IMMEDIATELY IF OTHER THAN WHAT IS SHOWN

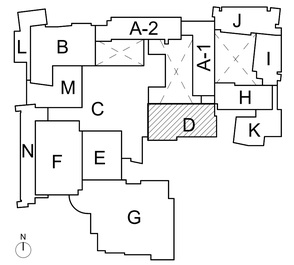


NORTH 5 AREA D - PARTIAL FOUNDATION PLAN AT EXISTING CHIMNEY (ALTERNATE 1)
1/8" = 1'-0"

NOTES:
1. BASE BID: EXIST CHIMNEY WALLS TO REMAIN (NO WORK NEEDED). ALTERNATE 1: REMOVE EXIST 8" CONC SLAB
2. ALL DIMENSIONS SHOWN ON PLAN TO BE FIELD VERIFIED
3. MISC STEEL, WOOD OR CONCRETE REQUIRED BY OTHER DISCIPLINES MAY NOT BE INDICATED ON STRUCTURAL DRAWINGS

NOTE:
CONTRACTOR TO VERIFY EXISTING CONDITIONS AS SHOWN. NOTIFY ARCH AND EOR IMMEDIATELY IF OTHER THAN WHAT IS SHOWN

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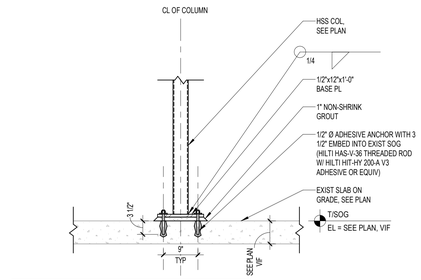
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PARTIAL PLANS - AREA D

S2.2

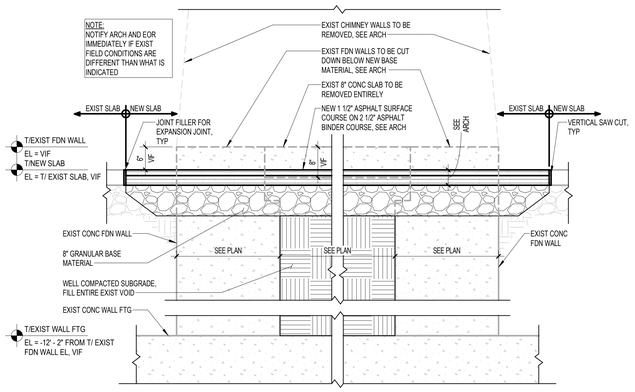
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NOTE
1.WHERE NEW BASE PLATE OVERLAPS EXIST BASE PLATE, REMOVE EXIST PLATE AND ANCHORS. CUT RODS BELOW TOP OF SLAB AND FILL ALL EXIST HOLES SOLID WITH NON-SHRINK GROUT.
2.CONTRACTOR SHALL VERIFY SLAB ON GRADE JOINT AND EDGE LOCATIONS PRIOR TO FABRICATION. IF ANY JOINT OR EDGE IS WITHIN 2'-0" OF BASE PLATE EDGE, NOTIFY EOR IMMEDIATELY.

1 TYPICAL EXIST SOG/ HSS COLUMN CONNECTION
3/4" = 1'-0"



2 SECTION AT NEW PARKING SURFCAE (ALTERNATE 1)
3/4" = 1'-0"

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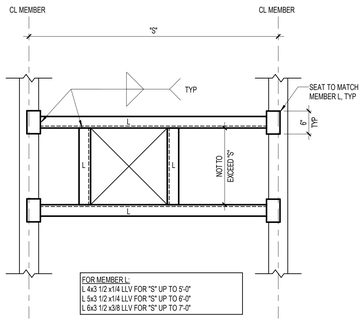
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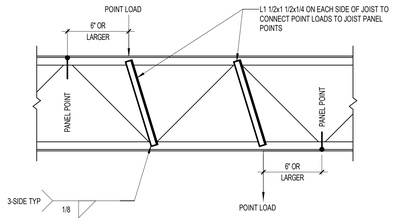
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FOUNDATION SECTIONS AND DETAILS

S3.1

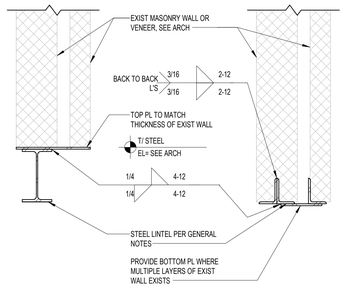
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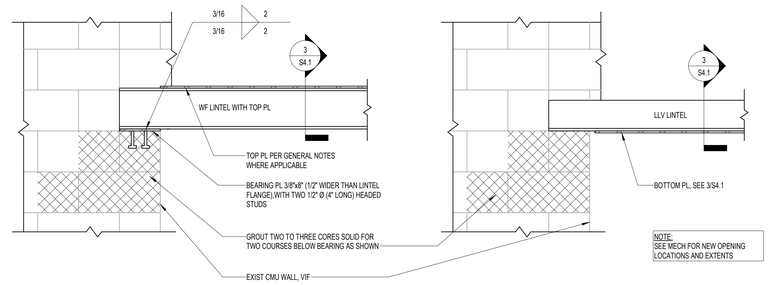
1 TYPICAL ROOF OPENING REINFORCEMENT
3/4" = 1'-0"



2 TYPICAL BAR JOIST REINFORCEMENT AT POINT LOADS
3/4" = 1'-0"

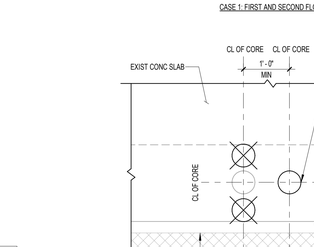


3 TYPICAL LINTEL SECTION
1" = 1'-0"



4 LINTEL BEARING ON EXISTING PARALLEL CMU WALL
1" = 1'-0"

5 LINTEL BEARING ON EXISTING PERPENDICULAR CMU WALL
1" = 1'-0"



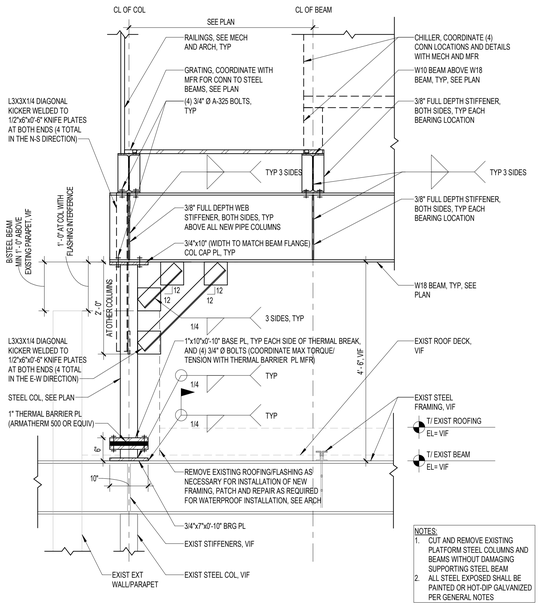
6 TYPICAL EXISTING JOIST REINFORCEMENT
1" = 1'-0"



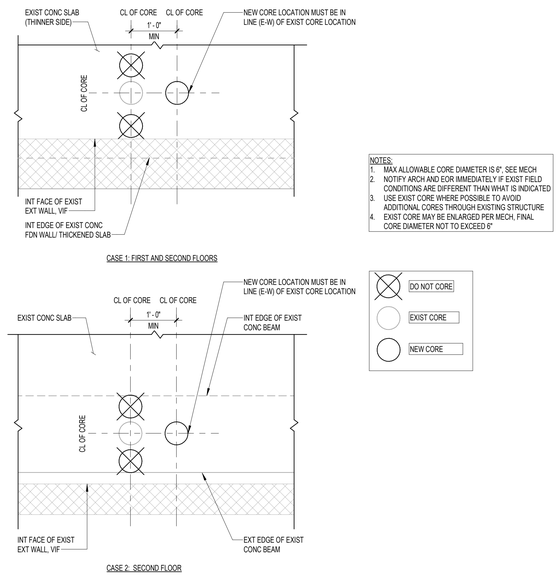
7 TYPICAL PLATE REINFORCEMENT AT EXISTING STEEL BEAM
3/4" = 1'-0"

8 TYPICAL EXISTING ROOF FRAMING UNDER NEW RTU
3/4" = 1'-0"

9 SECTION AT NEW STEEL BEAM-TO-EXISTING CONCRETE BEAM
1" = 1'-0"



10 SECTION AT STEEL PLATFORM SUPPORTING NEW CHILLERS
3/4" = 1'-0"



11 FLOOR MECHANICAL PENETRATIONS - AREA A-2
3/4" = 1'-0"

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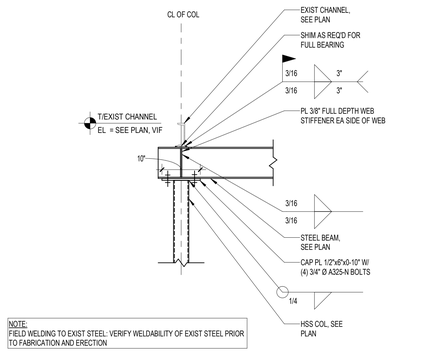
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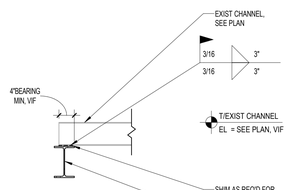
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FRAMING SECTIONS AND DETAILS

S4.1



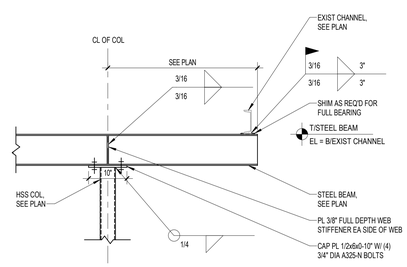
NOTE:
FIELD WELDING TO EXIST STEEL: VERIFY WELDABILITY OF EXIST STEEL PRIOR TO FABRICATION AND ERECTION

1 BOILER ROOM EXIST CHANNEL TO NEW HSS COLUMN CONNECTION
3/4" = 1'-0"



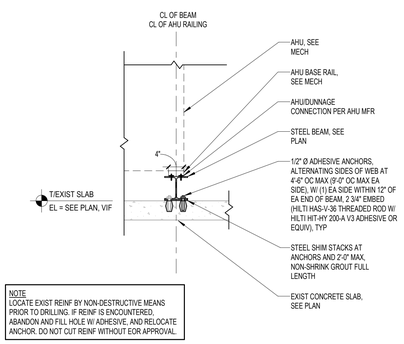
NOTE:
FIELD WELDING TO EXIST STEEL: VERIFY WELDABILITY OF EXIST STEEL PRIOR TO FABRICATION AND ERECTION

2 BOILER ROOM EXIST CHANNEL TO NEW STEEL BEAM CONNECTION
3/4" = 1'-0"



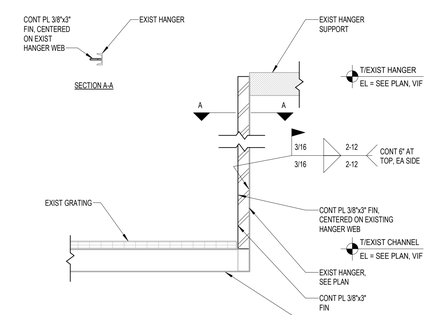
NOTE:
FIELD WELDING TO EXIST STEEL: VERIFY WELDABILITY OF EXIST STEEL PRIOR TO FABRICATION AND ERECTION

3 BOILER ROOM BEAM OVER COLUMN DETAIL
3/4" = 1'-0"



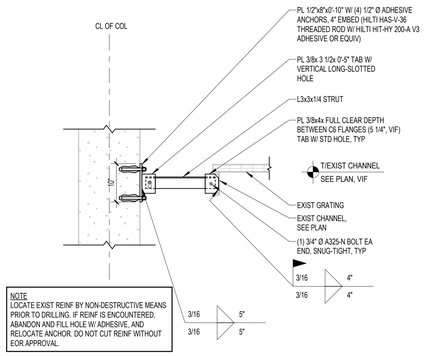
NOTE
LOCATE EXIST REINF BY NON-DESTRUCTIVE MEANS PRIOR TO DRILLING. IF REINF IS ENCOUNTERED, ABANDON AND FILL HOLE W/ ADHESIVE, AND RELOCATE ANCHOR. DO NOT CUT REINF WITHOUT EOR APPROVAL.

4 AHU SUPPORT FRAMING DETAIL
3/4" = 1'-0"



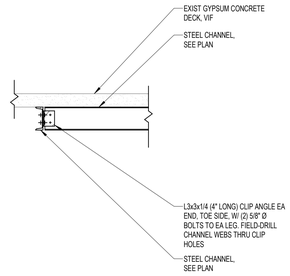
NOTE:
FIELD WELDING TO EXIST STEEL: VERIFY WELDABILITY OF EXIST STEEL PRIOR TO FABRICATION AND ERECTION

5 HANGER STIFFENER FIN TYPICAL DETAIL
3/4" = 1'-0"

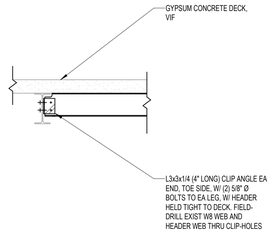


NOTE
LOCATE EXIST REINF BY NON-DESTRUCTIVE MEANS PRIOR TO DRILLING. IF REINF IS ENCOUNTERED, ABANDON AND FILL HOLE W/ ADHESIVE, AND RELOCATE ANCHOR. DO NOT CUT REINF WITHOUT EOR APPROVAL.

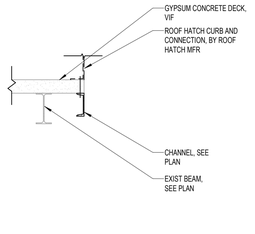
6 STRUT AT EXIST COL DETAIL
3/4" = 1'-0"



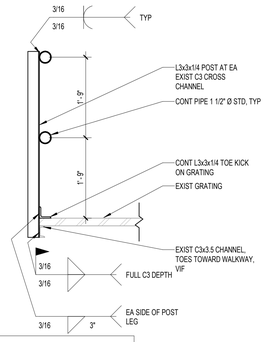
7 SIDE CHANNEL TO HEADER DETAIL
3/4" = 1'-0"



8 HEADER TO EXIST BEAM DETAIL
3/4" = 1'-0"



9 TYPICAL DETAIL OF CHANNEL BELOW ROOF HATCH
3/4" = 1'-0"



NOTE:
FIELD WELDING TO EXIST STEEL: VERIFY WELDABILITY OF EXIST STEEL PRIOR TO FABRICATION AND ERECTION

10 TYPICAL SECTION AT BOILER ROOM RAILING
3/4" = 1'-0"

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CONSULTANTS:

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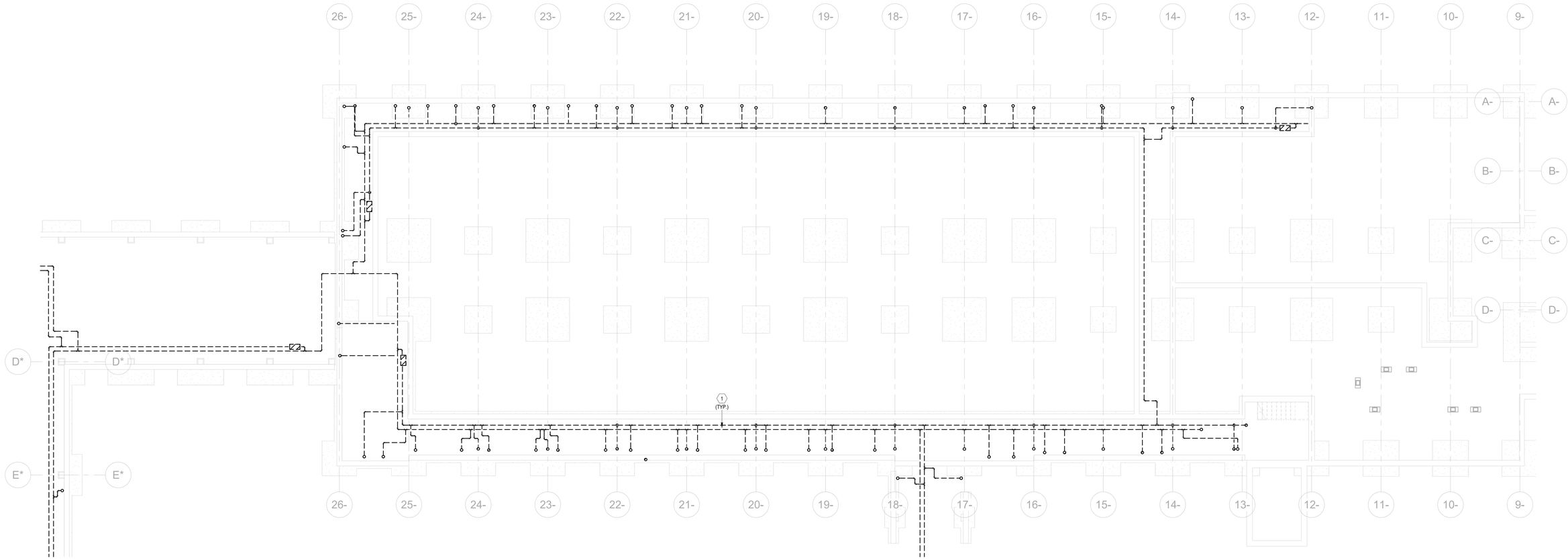
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DRAWING TITLE:
FRAMING SECTIONS AND DETAILS

S4.2

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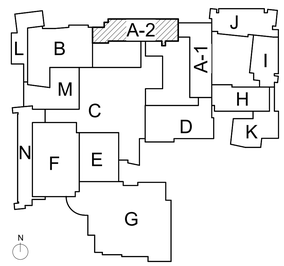


NORTH 1 TUNNEL MECHANICAL DEMOLITION PLAN - AREA A2
1/8" = 1'-0"

KEYNOTES

1 DISCONNECT AND REMOVE STEAM AND CONDENSATE PIPING WITH ASSOCIATED TRAPS, HANGERS, AND SUPPORTS.

KEY PLAN



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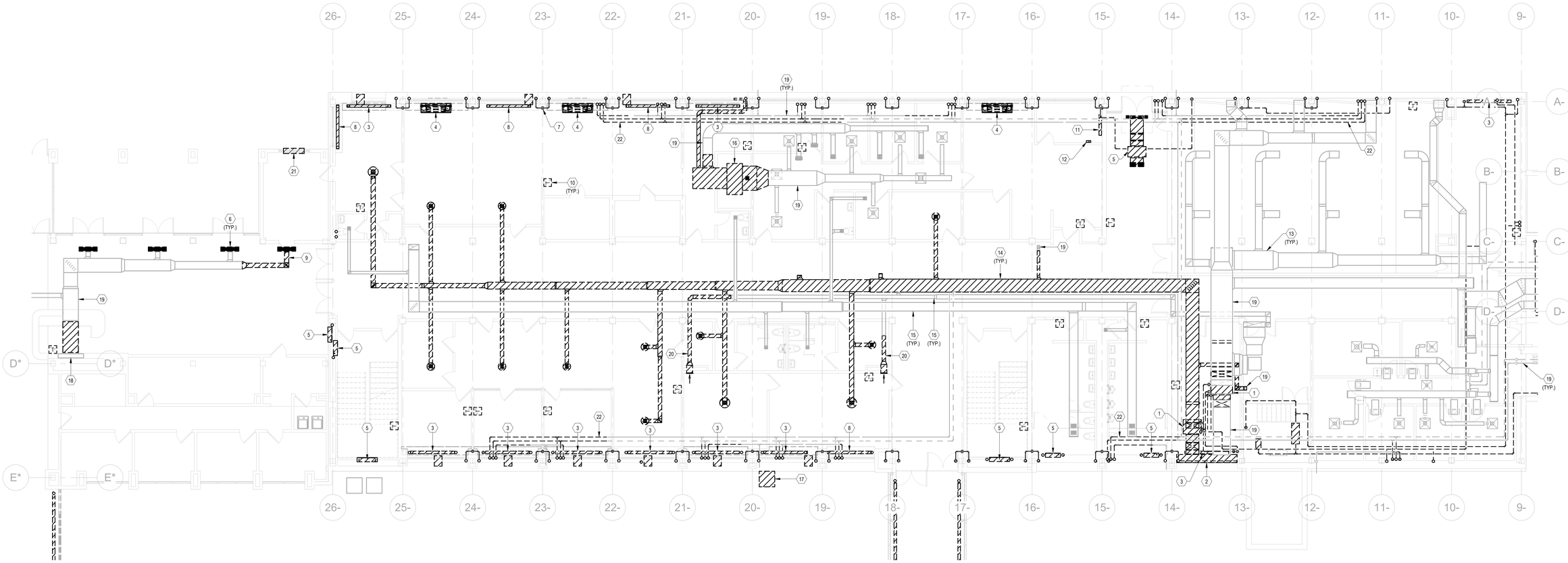
DATE
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REVISIONS:

#	Description	Date

DRAWING TITLE:
TUNNEL MECHANICAL DEMOLITION PLAN - AREA A2

A2-M1.0



NORTH

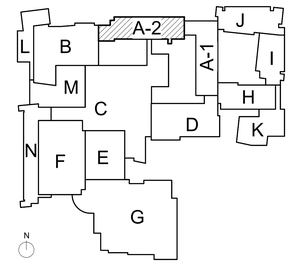
1 FIRST FLOOR MECHANICAL DEMOLITION PLAN - AREA A-2

1/8" = 1'-0"

KEYNOTES

1. DISCONNECT AND REMOVE AIR HANDLING UNIT WITH ASSOCIATED PIPING, DUCTWORK, DUCT HEATER, AND CONTROLS.
2. DISCONNECT AND REMOVE LOUVER WITH ASSOCIATED PLENUM BOX.
3. DISCONNECT AND REMOVE FIN TUBE WITH ASSOCIATED PIPING AND CONTROLS.
4. DISCONNECT AND REMOVE UNIT VENTILATOR WITH ASSOCIATED PIPING, LOUVER, AND CONTROLS.
5. DISCONNECT AND REMOVE CABINET UNIT HEATER WITH ASSOCIATED PIPING, DUCTWORK, GRILLES, AND CONTROLS.
6. DISCONNECT AND REMOVE SUPPLY DIFFUSER.
7. DISCONNECT AND REMOVE STEAM AND CONDENSATE PIPING.
8. EXISTING FIN TUBE TO BE ABANDONED IN PLACE. DISCONNECT AND REMOVE PIPING AND CONTROLS. CAP PIPING BELOW FLOOR.
9. DISCONNECT AND REMOVE SUPPLY DUCTWORK. CAP AT MAIN.
10. DISCONNECT AND REMOVE PNEUMATIC THERMOSTAT. CAP PNEUMATIC PIPIPING AT POINT OF ENTRY INTO ROOM. PROVIDE STAINLESS STEEL COVER PLATE TO BLANK OFF OPENING.
11. DISCONNECT AND REMOVE ELECTRIC BASEBOARD WITH ASSOCIATED CONTROLS.
12. DISCONNECT AND REMOVE WALL FAN WITH ASSOCIATED DUCTWORK AND CONTROLS.
13. EXISTING DUCTWORK AND DIFFUSERS IN LITTLE THEATRE TO REMAIN.
14. DISCONNECT AND REMOVE SUPPLY DUCTWORK, DIFFUSERS, GRILLES, AND SUPPORTS ASSOCIATED WITH AIR HANDLING UNIT.
15. EXISTING EXHAUST DUCTWORK TO REMAIN.
16. DISCONNECT AND REMOVE UNIT VENTILATOR WITH ASSOCIATED STEAM PIPING, REFRIGERANT PIPING, AND CONTROLS.
17. DISCONNECT AND REMOVE CONDENSING UNIT WITH ASSOCIATED REFRIGERANT PIPING AND CONTROLS.
18. EXISTING CABINET UNIT HEATER TO BE ABANDONED IN PLACE. DISCONNECT AND REMOVE ASSOCIATED STEAM PIPING AND CONTROLS. CAP STEAM PIPING AT FLOOR.
19. EXISTING TO REMAIN.
20. DISCONNECT AND REMOVE EXHAUST DUCT WITH ASSOCIATED GRILLES.
21. DISCONNECT AND REMOVE PTAC WITH ASSOCIATED LOUVER, SLEEVE, AND CONTROLS.
22. DISCONNECT AND REMOVE CHILLED WATER PIPING.

KEY PLAN



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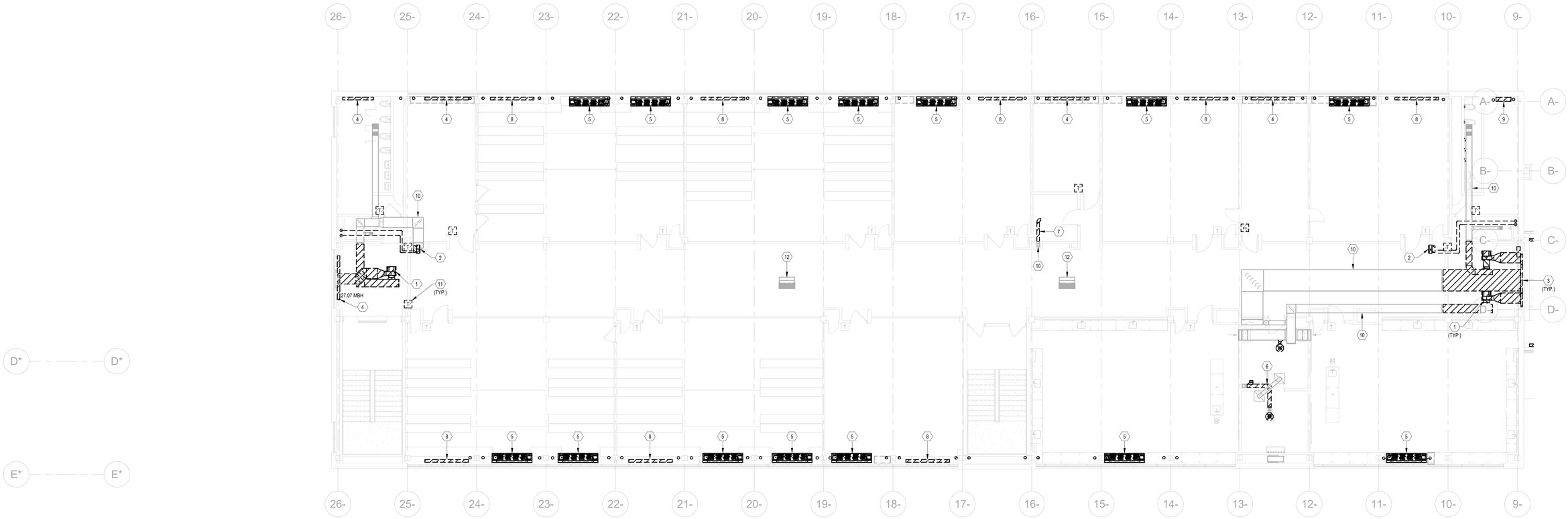
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DRAWING TITLE:
FIRST FLOOR MECHANICAL DEMOLITION PLAN - AREA A2

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A2-M1.1



NORTH

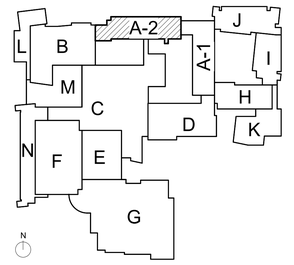
1 SECOND FLOOR MECHANICAL DEMOLITION PLAN - AREA A-2

1/8" = 1'-0"

KEYNOTES

1. DISCONNECT AND REMOVE EXHAUST FAN WITH ASSOCIATED DUCTWORK AND CONTROLS.
2. DISCONNECT AND REMOVE STEAM UNIT HEATER WITH ASSOCIATED STEAM AND CONDENSATE PIPING, HANGERS, AND CONTROLS.
3. DISCONNECT AND REMOVE LOUVER.
4. DISCONNECT AND REMOVE FIN TUBE WITH ASSOCIATED PIPING AND CONTROLS.
5. DISCONNECT AND REMOVE UNIT VENTILATOR WITH ASSOCIATED PIPING, LOUVER, AND CONTROLS.
6. DISCONNECT AND REMOVE SUPPLY DUCT WITH ASSOCIATED DIFFUSERS.
7. DISCONNECT AND REMOVE SUPPLY DUCT.
8. EXISTING FIN TUBE TO BE ABANDONED IN PLACE. DISCONNECT AND REMOVE PIPING AND CONTROLS. CAP PIPING BELOW FLOOR.
9. DISCONNECT AND REMOVE CABINET UNIT HEATER WITH ASSOCIATED PIPING AND CONTROLS.
10. EXISTING TO REMAIN.
11. DISCONNECT AND REMOVE PNEUMATIC THERMOSTAT. CAP PNEUMATIC PIPIPING AT POINT OF ENTRY INTO ROOM. PROVIDE STAINLESS STEEL COVER PLATE TO BLANK OFF OPENING.
12. EXISTING GOOSENECKS TO REMAIN.

KEY PLAN



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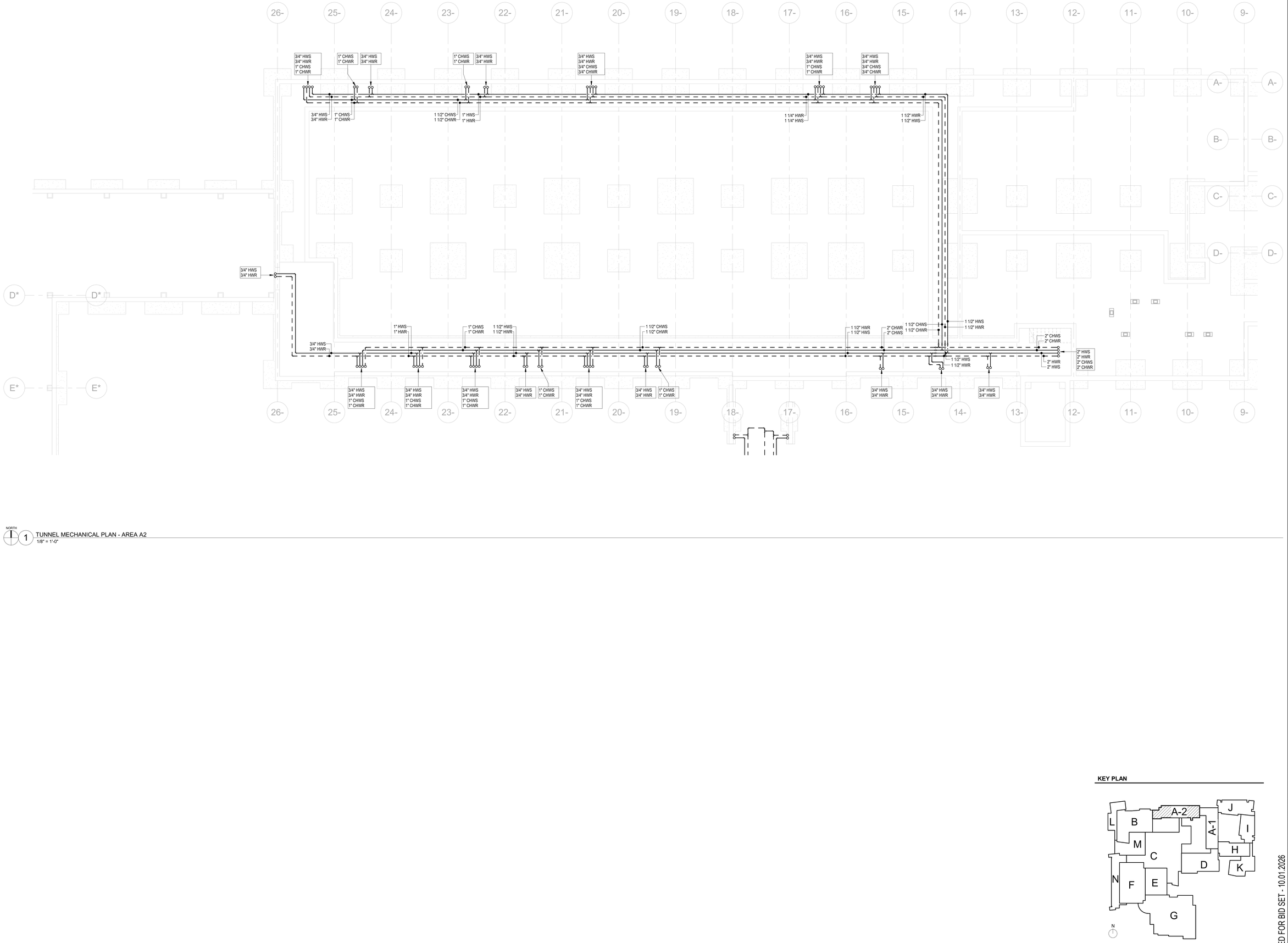
REVISIONS:

#	Description	Date

DRAWING TITLE:
SECOND FLOOR MECHANICAL DEMOLITION PLAN - AREA A-2

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A2-M1.2



NORTH

1 TUNNEL MECHANICAL PLAN - AREA A2

1/8" = 1'-0"

KEY PLAN

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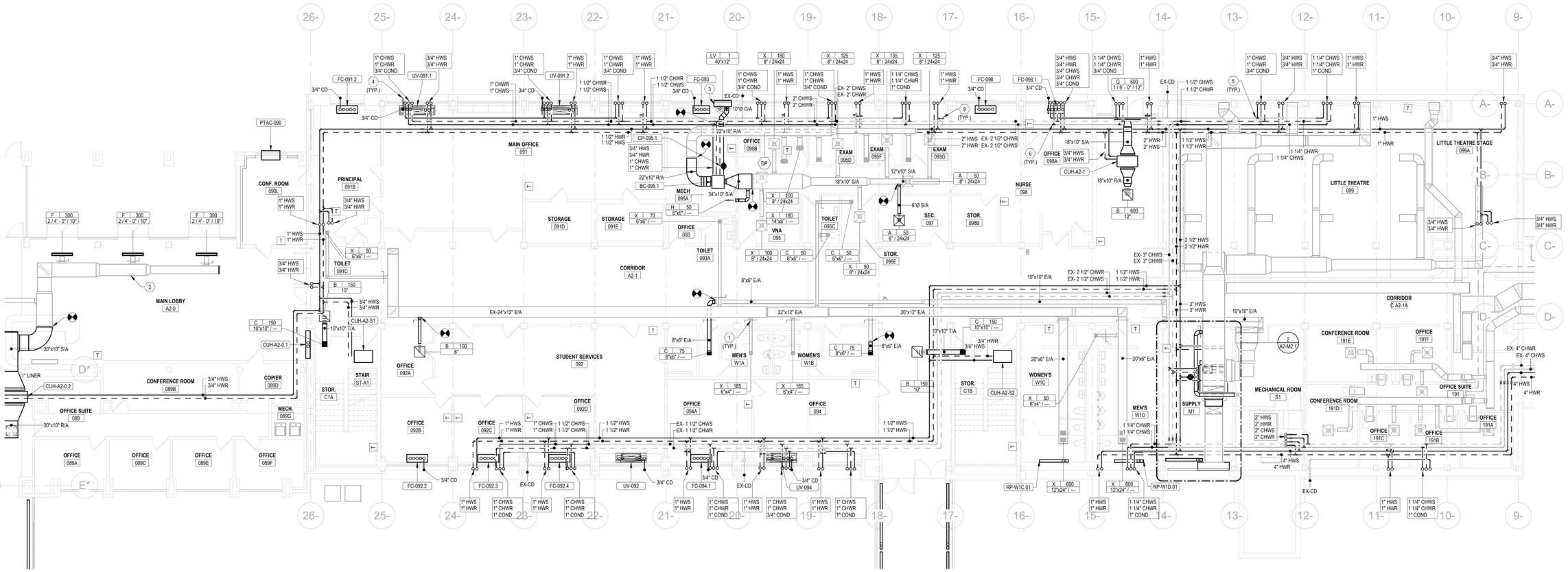
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DRAWING TITLE:
TUNNEL
MECHANICAL PLAN
- AREA A2

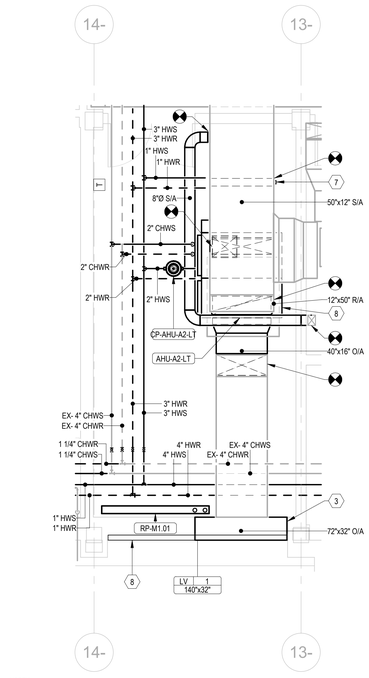
A2-M2.0



NORTH 1 FIRST FLOOR MECHANICAL PLAN - AREA A-2
1/8" = 1'-0"

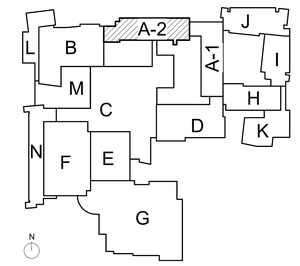
KEYNOTES

1. INSTALL NEW BALANCING DAMPER IN EXISTING EXHAUST DUCT. REMOVE ANY EXISTING BALANCING DEVICES. BALANCE TO CFM INDICATED.
2. INSTALL 1" WRAP INSULATION TO EXISTING SUPPLY DUCTWORK.
3. PLENUM BOX. 2" DOUBLE WALL INSULATED METAL PANEL, SLOPE BOTTOM TOWARDS EXTERIOR.
4. TERMINATE CONDENSATE DRAINAGE PIPING WITH RICHARD MFG GV SERIES VENT WITH SCREEN.
5. CONNECT TO EX-CONDENSATE PIPING.
6. CONNECT TO EX-CHILLED WATER PIPING.
7. CONNECT HEATING COIL.
8. BLANK OFF UNUSED PORTIONS OF LOUVER WITH 2" DOUBLE WALL INSULATED METAL PANEL.
9. CAP EXISTING TAKEOFFS SERVING EXISTING EQUIPMENT CHILLED WATER. DO NOT REUSE EXISTING TAKEOFFS TO FEED NEW EQUIPMENT.



NORTH 2 ENLARGED MECHANICAL ROOM PLAN
1/4" = 1'-0"

KEY PLAN



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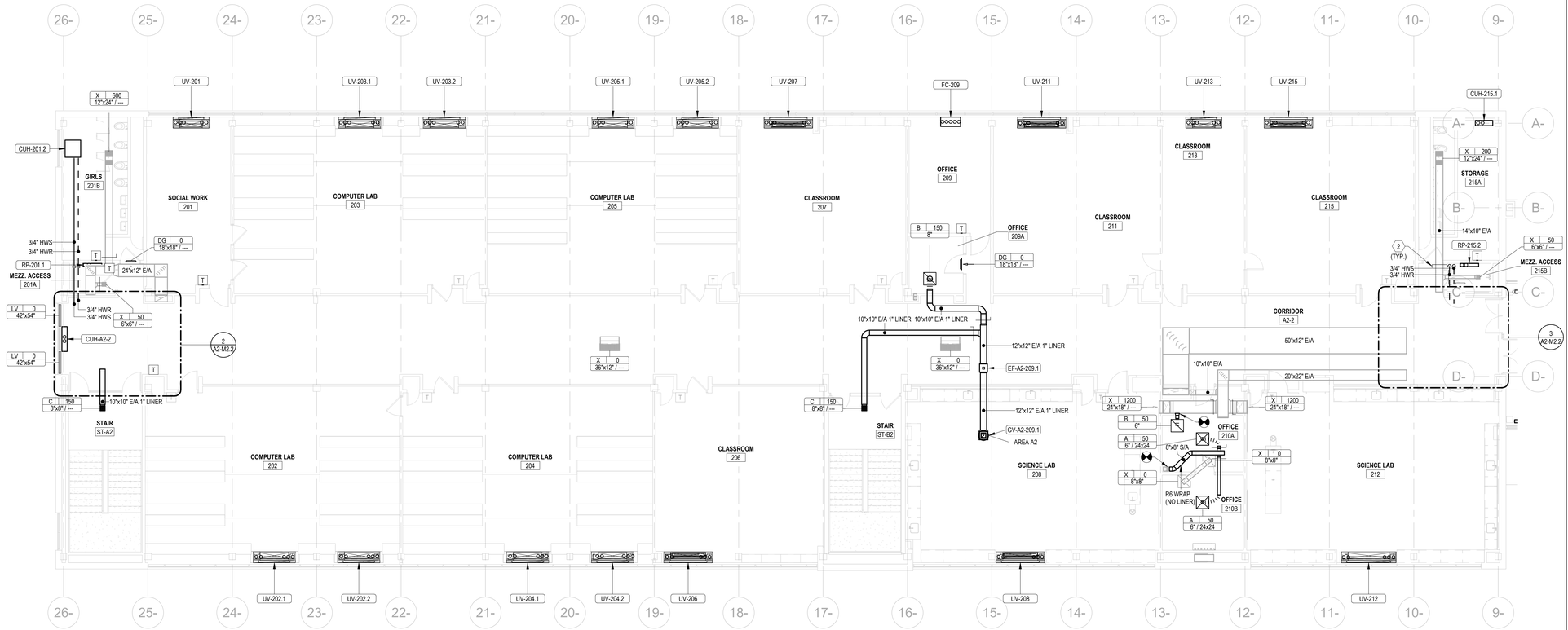
#	Description	Date

DRAWING TITLE:
FIRST FLOOR MECHANICAL PLAN - AREA A2

A2-M2.1

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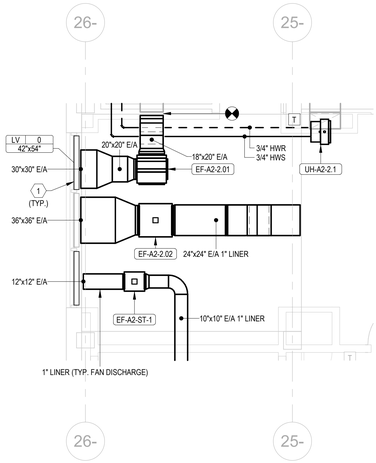


NORTH 1 SECOND FLOOR MECHANICAL PLAN - AREA A-2
1/8" = 1'-0"

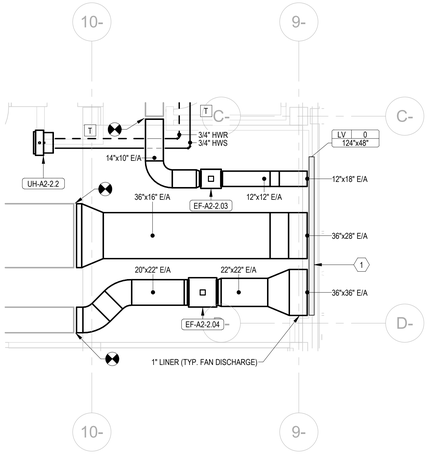
KEYNOTES

1 BLANK OFF UNUSED PORTIONS OF LOUVER WITH 2" DOUBLE WALL INSULATED METAL PANEL.

2 INSTALL NEW BALANCING DAMPER IN EXISTING EXHAUST DUCT. REMOVE ANY EXISTING BALANCING DEVICES. BALANCE TO CFM INDICATED.

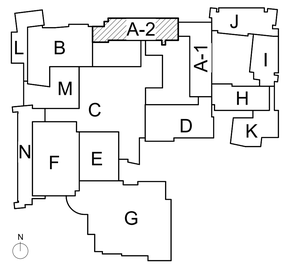


NORTH 2 ENLARGED FAN PLATFORM MECHANICAL PLAN-WEST
1/4" = 1'-0"



NORTH 3 ENLARGED FAN PLATFORM MECHANICAL PLAN-EAST
1/4" = 1'-0"

KEY PLAN



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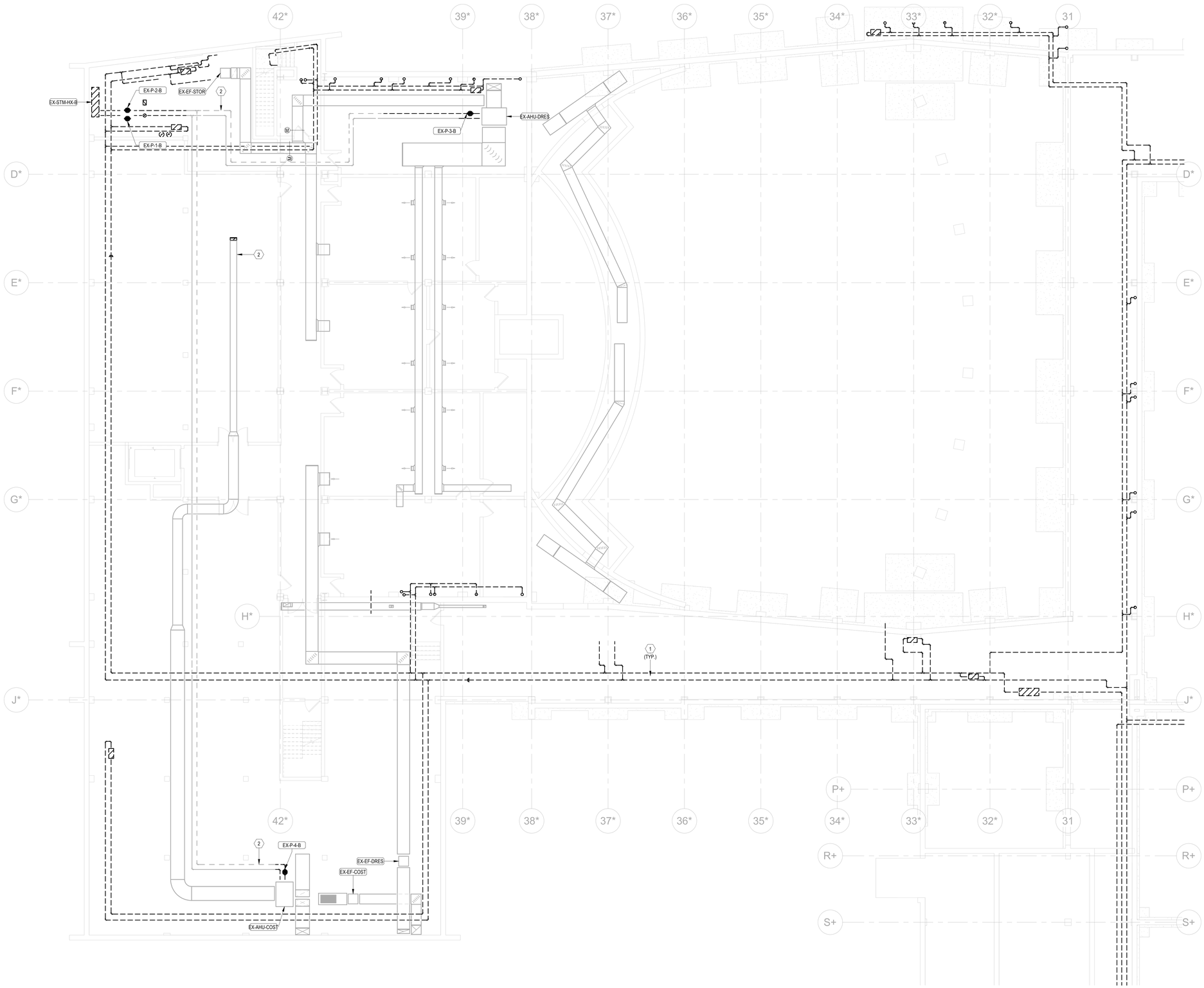
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SECOND FLOOR MECHANICAL PLAN - AREA A2

A2-M2.2

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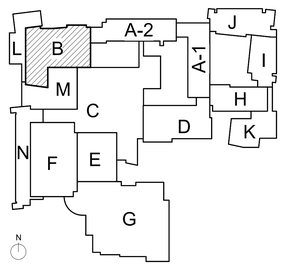


NORTH 1 TUNNEL MECHANICAL DEMOLITION PLAN - AREA B
1/8" = 1'-0"

KEYNOTES

1 DISCONNECT AND REMOVE STEAM AND CONDENSATE PIPING WITH ASSOCIATED TRAPS, HANGERS, AND SUPPORTS.
2 EXISTING TO REMAIN.

KEY PLAN



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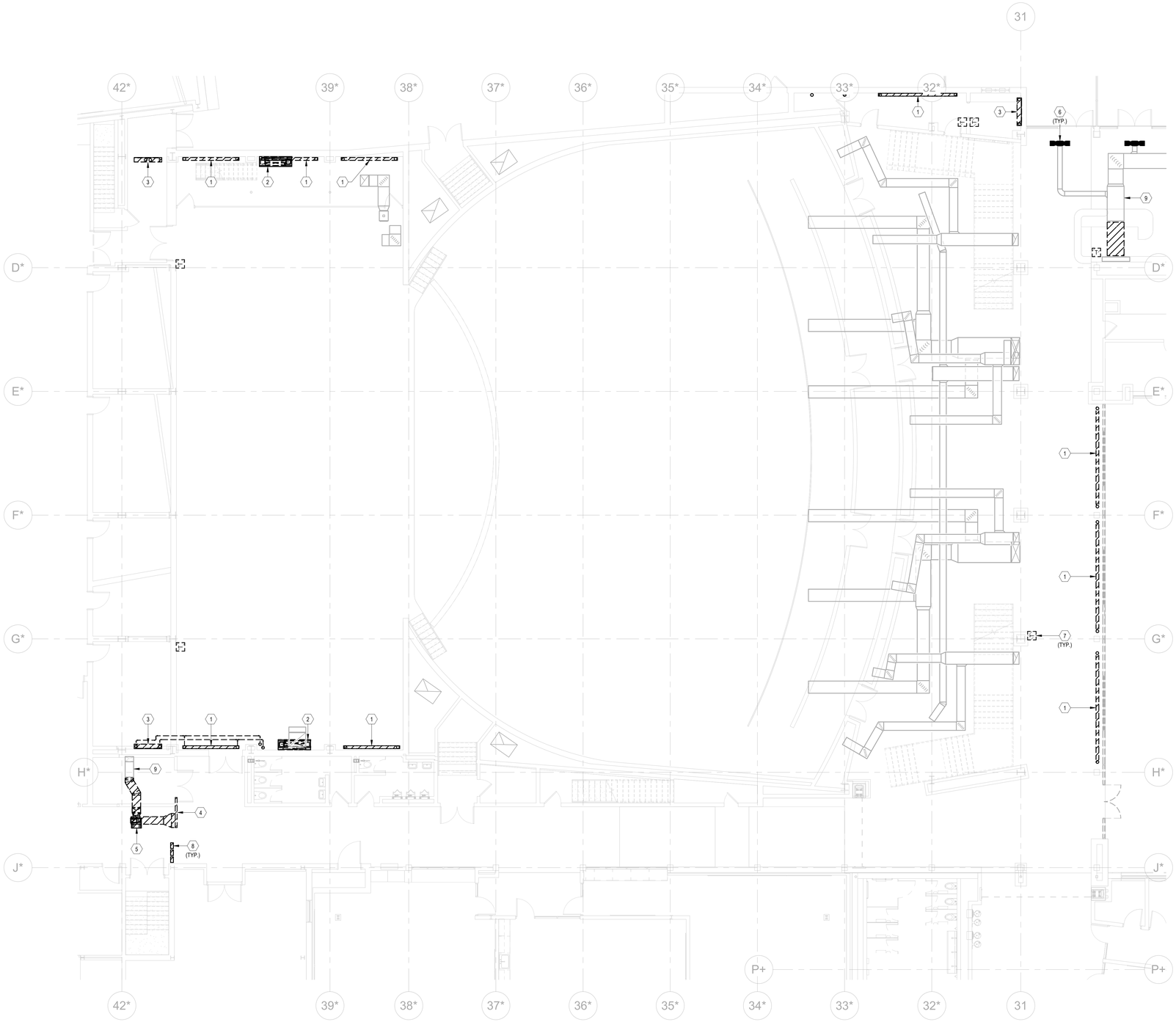
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TUNNEL MECHANICAL DEMOLITION PLAN - AREA B

B-M1.0

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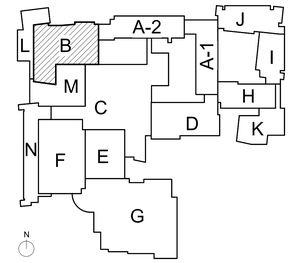
NORTH

1 FIRST FLOOR MECHANICAL DEMOLITION PLAN - AREA A-1
1/8" = 1'-0"

KEYNOTES

1 DISCONNECT AND REMOVE FIN TUBE WITH ASSOCIATED PIPING AND CONTROLS.
2 DISCONNECT AND REMOVE UNIT VENTILATOR WITH ASSOCIATED PIPING AND CONTROLS.
3 DISCONNECT AND REMOVE CABINET UNIT HEATER WITH ASSOCIATED PIPING AND CONTROLS.
4 DISCONNECT AND REMOVE LOUVER.
5 DISCONNECT AND REMOVE EXHAUST FAN WITH ASSOCIATED DUCTWORK AND CONTROLS.
6 DISCONNECT AND REMOVE SUPPLY DIFFUSER.
7 DISCONNECT AND REMOVE PNEUMATIC THERMOSTAT. CAP PNEUMATIC PIPIPING AT POINT OF ENTRY INTO ROOM. PROVIDE STAINLESS STEEL COVER PLATE TO BLANK OFF OPENING.
8 DISCONNECT AND REMOVE PNEUMATIC CONTROLS.
9 EXISTING TO REMAIN.

KEY PLAN



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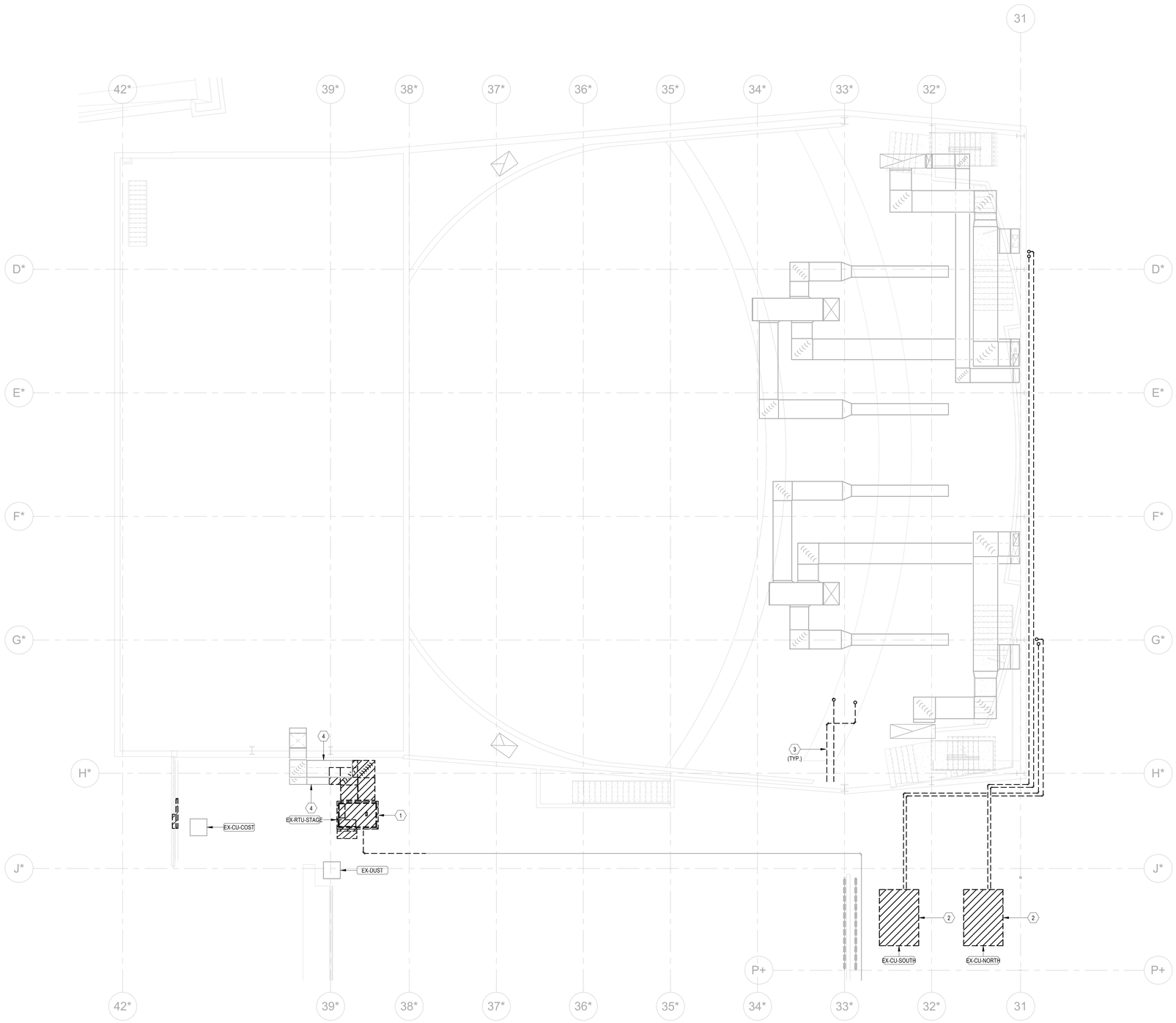
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FIRST FLOOR MECHANICAL DEMOLITION PLAN - AREA B

B-M1.1

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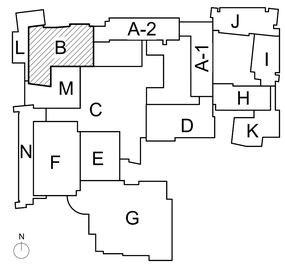


1 BALCONY MECHANICAL DEMOLITION PLAN - AREA B
1/8" = 1'-0"

KEYNOTES

1 DISCONNECT AND REMOVE ROOFTOP UNIT WITH ASSOCIATED DUCTWORK, PIPING, AND CONTROLS.
2 DISCONNECT AND REMOVE CONDENSING UNIT WITH ASSOCIATED PIPING, CONTROLS, AND PLATFORM.
3 DISCONNECT AND REMOVE EXISTING STEAM AND CONDENSATE PIPING WITH ASSOCIATED HANGERS AND SUPPORTS.
4 EXISTING TO REMAIN.

KEY PLAN



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DATE
10.01.2026

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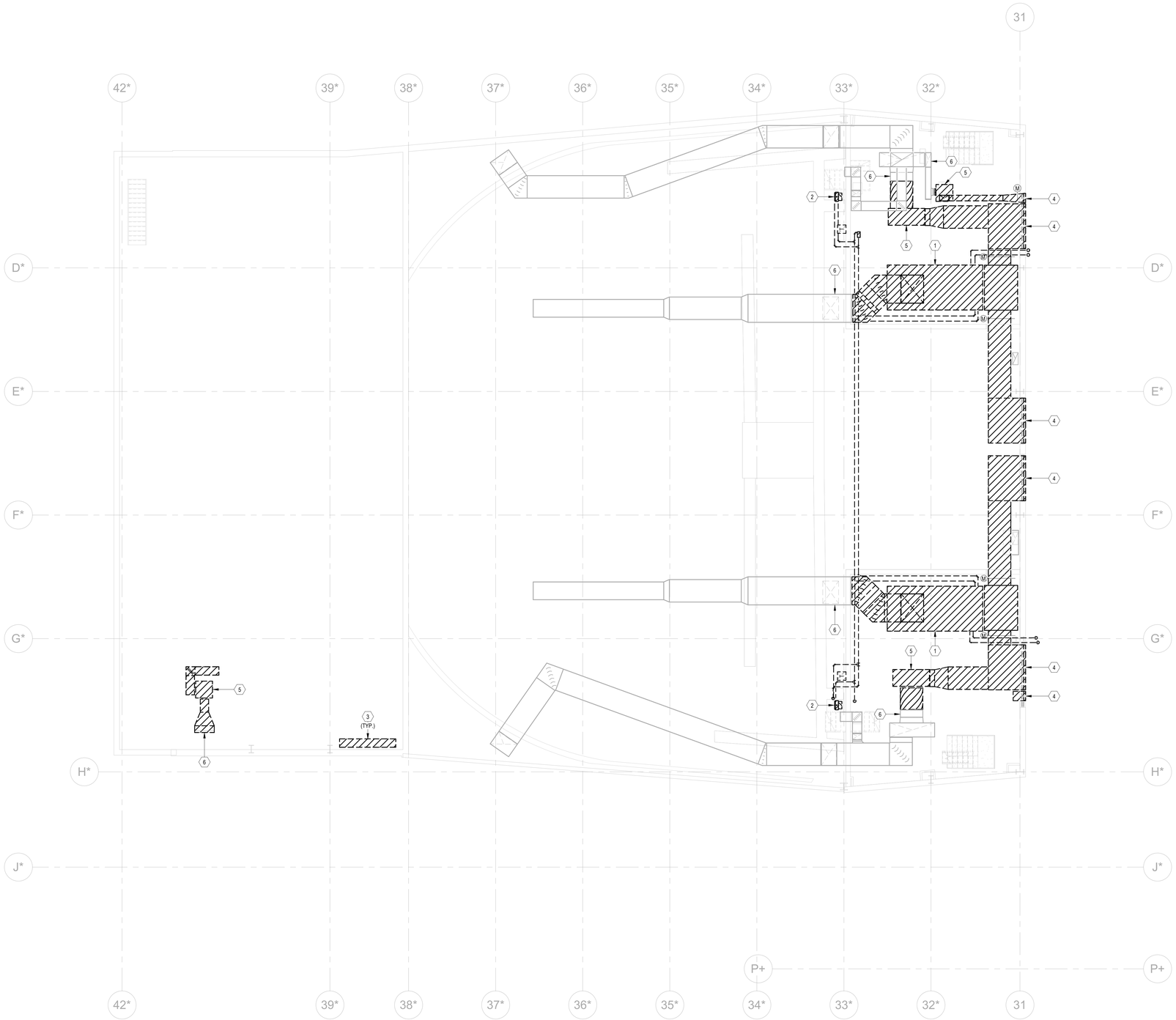
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DRAWING TITLE:
BALCONY MECHANICAL DEMOLITION PLAN - AREA B

B-M1.2

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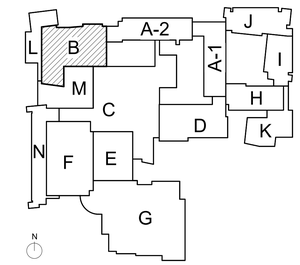


NORTH 1 MEZZANINE MECHANICAL DEMOLITION PLAN - AREA B
1/8" = 1'-0"

KEYNOTES

1. DISCONNECT AND REMOVE AIR HANDLING UNIT WITH ASSOCIATED PIPING, DUCTWORK, AND CONTROLS.
2. DISCONNECT AND REMOVE UNIT HEATER WITH ASSOCIATED PIPING AND CONTROLS.
3. REMOVE SCRAP DUCTWORK FROM CATWALK ABOVE STAGE.
4. DISCONNECT AND REMOVE LOUVER.
5. DISCONNECT AND REMOVE EXHAUST FAN WITH ASSOCIATED DUCTWORK AND CONTROLS.
6. EXISTING TO REMAIN.

KEY PLAN



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ARCHITECT:

CONSULTANTS:

FA

EAHS MECHANICAL IMPROVEMENTS
EAST AURORA SCHOOL DISTRICT #131
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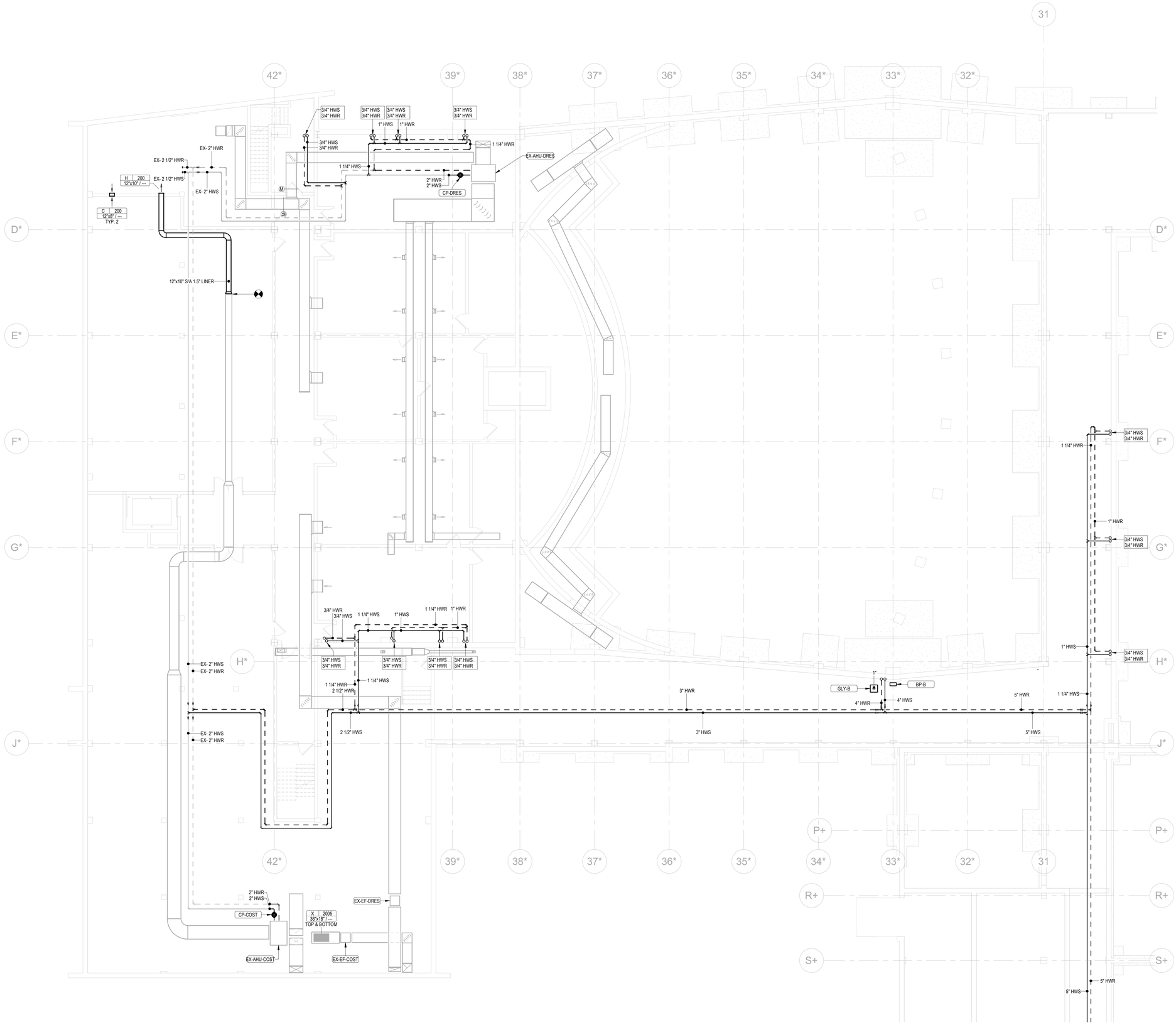
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DRAWING TITLE:
MEZZANINE MECHANICAL DEMOLITION PLAN - AREA B

B-M1.3

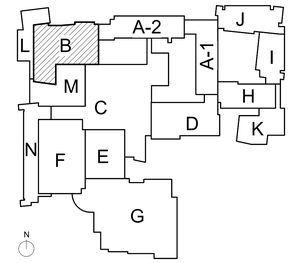
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NORTH 1 TUNNEL MECHANICAL PLAN - AREA B
1/8" = 1'-0"

KEY PLAN



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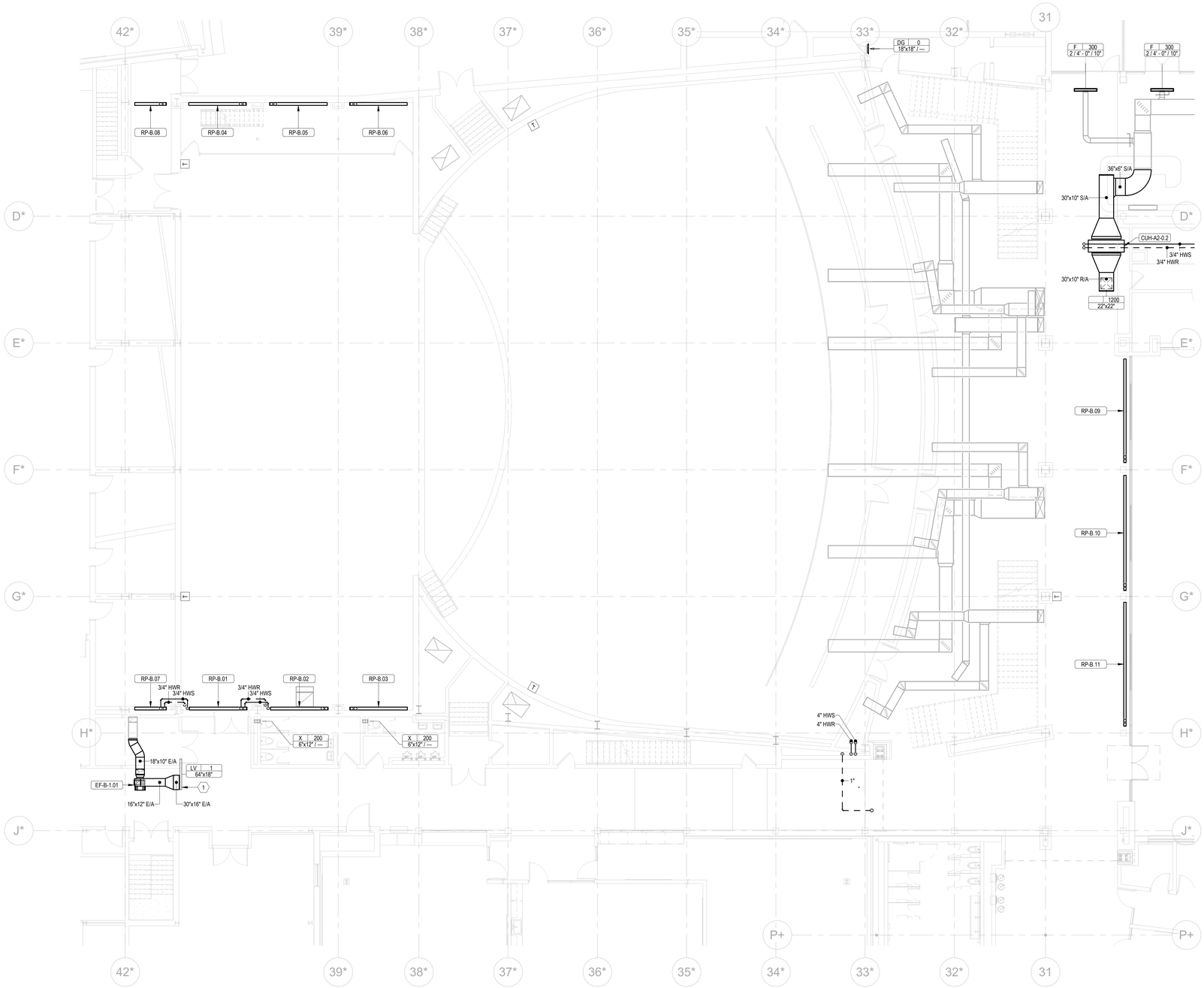
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DRAWING TITLE:
TUNNEL MECHANICAL PLAN - AREA B

B-M2.0

ISSUED FOR BID SET - 10.01.2026

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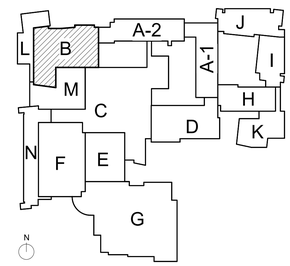


NORTH 1 FIRST FLOOR MECHANICAL PLAN - AREA B
1/8" = 1'-0"

KEYNOTES

1 BLANK OFF UNUSED PORTIONS OF LOUVER WITH 2" DOUBLE WALL INSULATED METAL PANEL.

KEY PLAN



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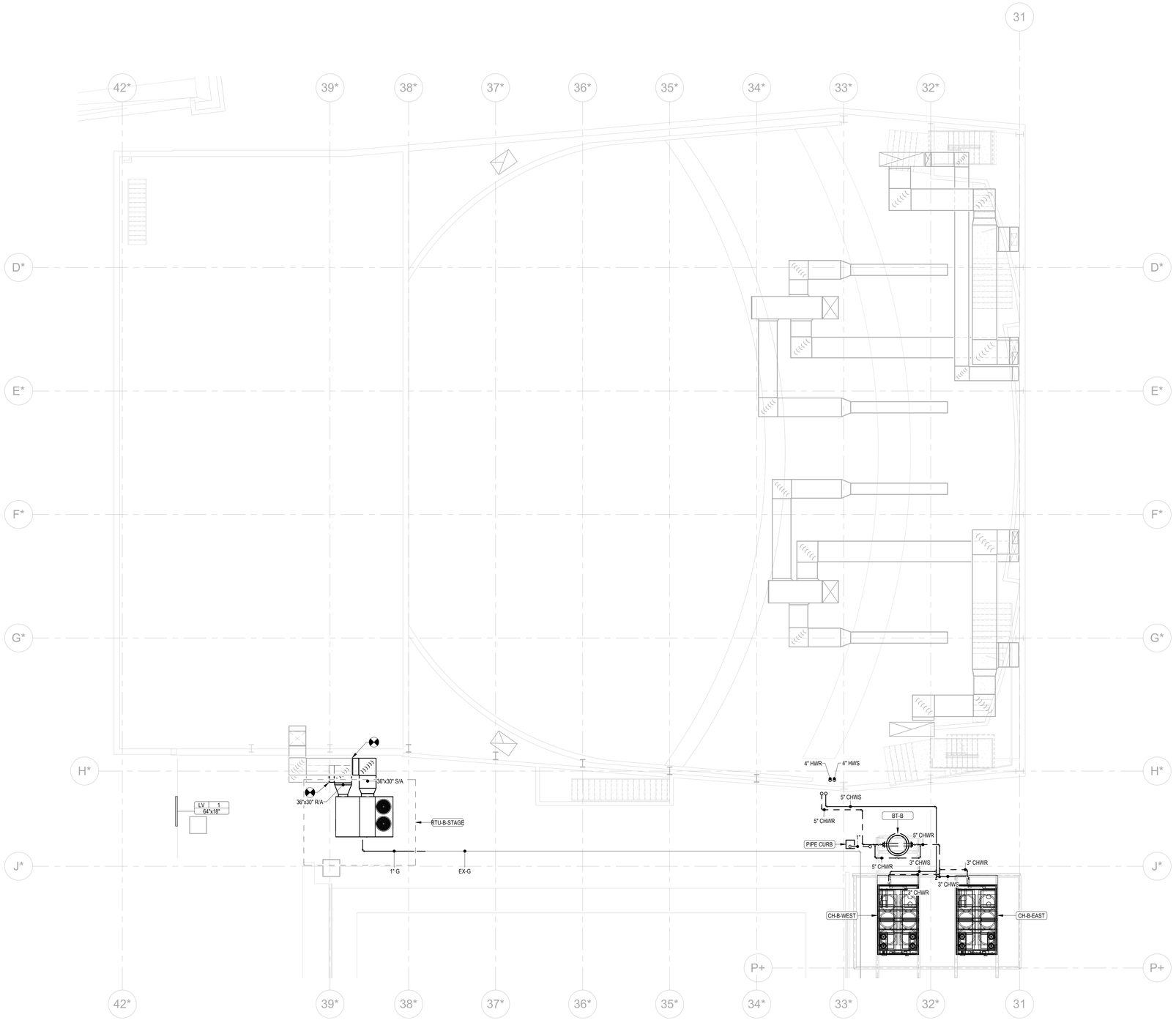
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DRAWING TITLE:
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B-M2.1

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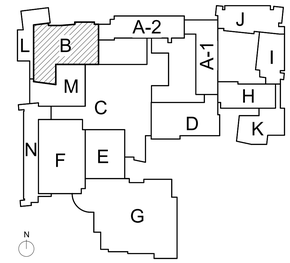


NORTH

1 BALCONY MECHANICAL PLAN - AREA B

1/8" = 1'-0"

KEY PLAN



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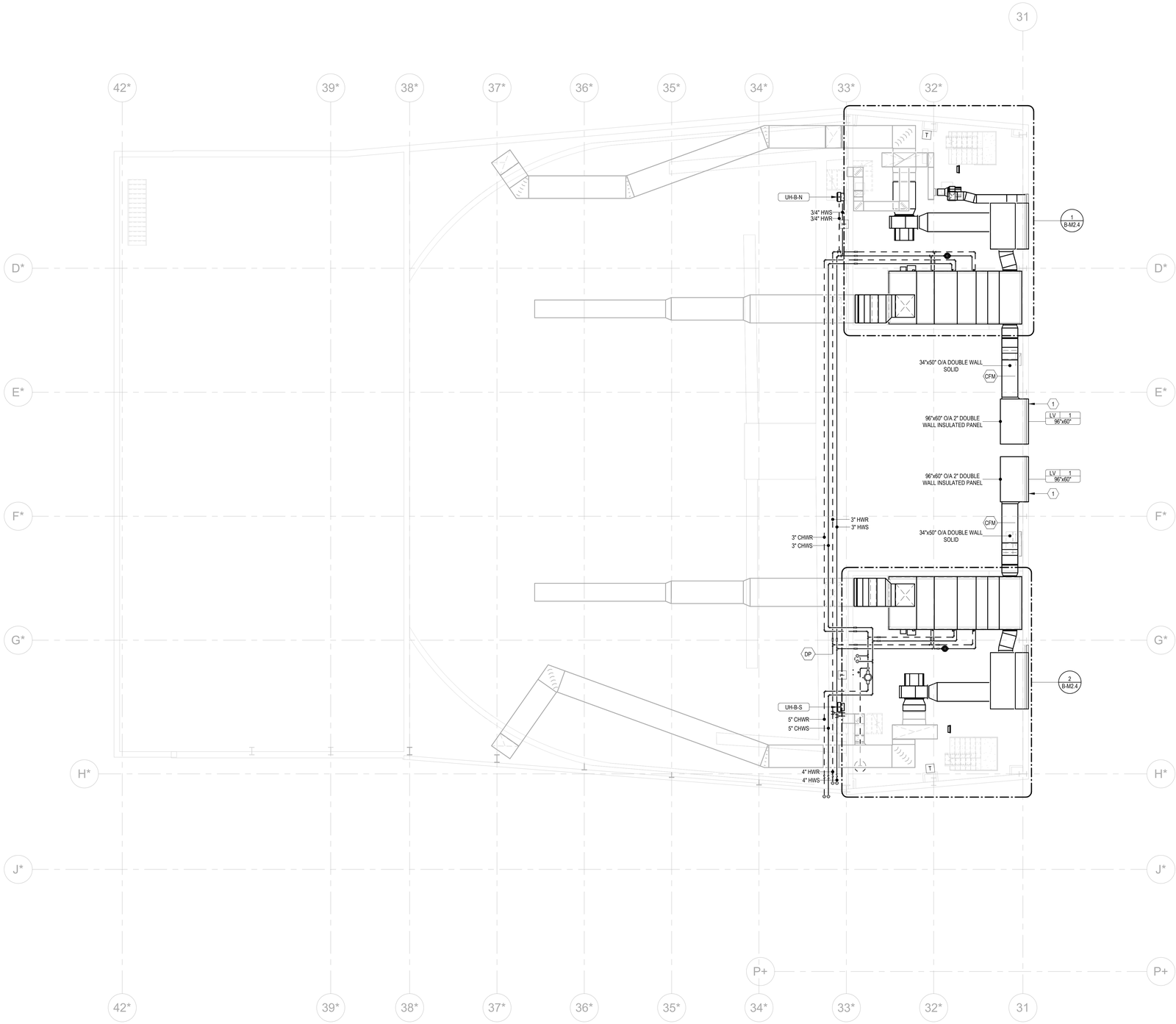
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DRAWING TITLE:
BALCONY MECHANICAL PLAN - AREA B

B-M2.2

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NORTH

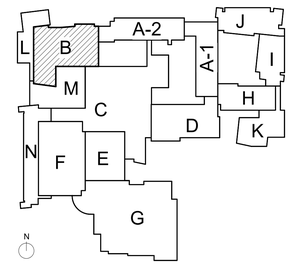
1 MEZZANINE MECHANICAL PLAN - AREA B

1/8" = 1'-0"

KEYNOTES

1 BLANK OFF UNUSED PORTIONS OF LOUVER WITH 2" DOUBLE WALL INSULATED METAL PANEL. SLOPE BOTTOM OF PLENUM TO EXTERIOR.

KEY PLAN



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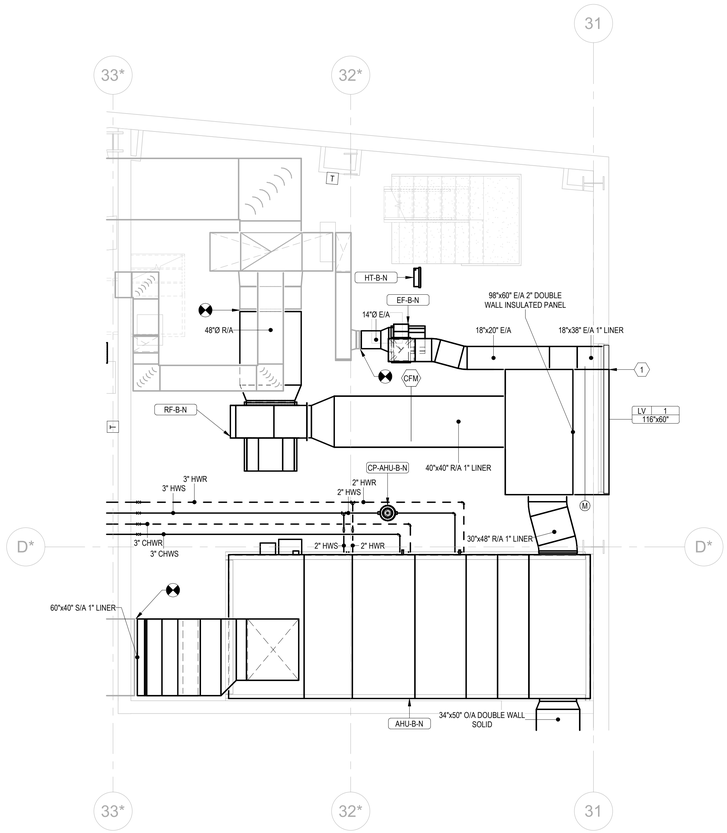
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MEZZANINE MECHANICAL PLAN - AREA B

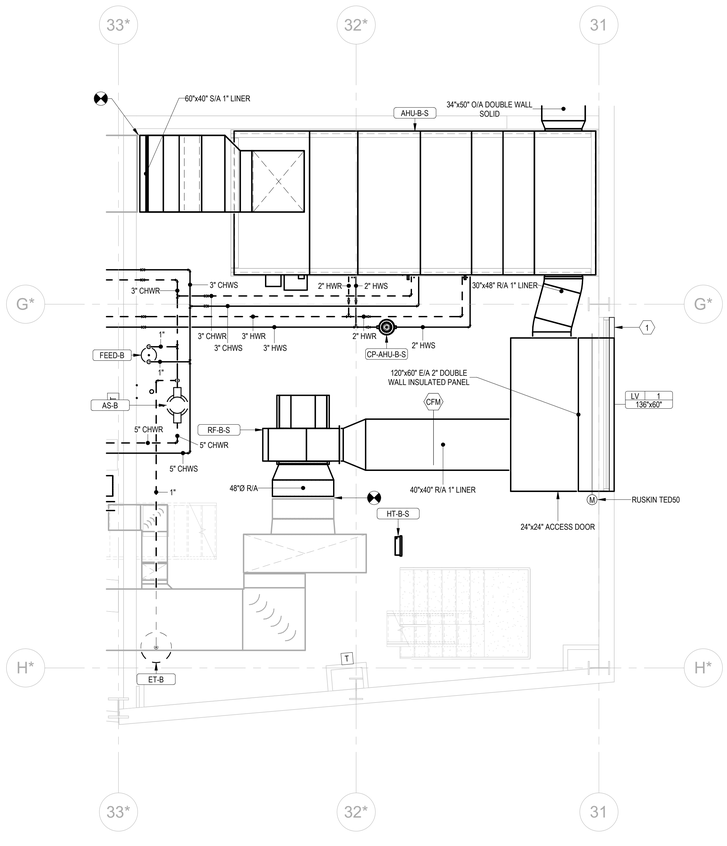
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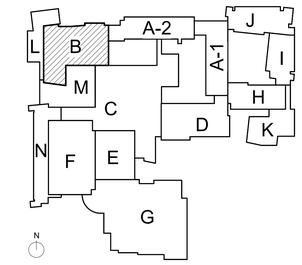


NORTH 1 ENLARGED MEZZANINE MECHANICAL PLAN - NORTH
1/4" = 1'-0"



NORTH 2 ENLARGED MEZZANINE MECHANICAL PLAN - SOUTH
1/4" = 1'-0"

KEY PLAN



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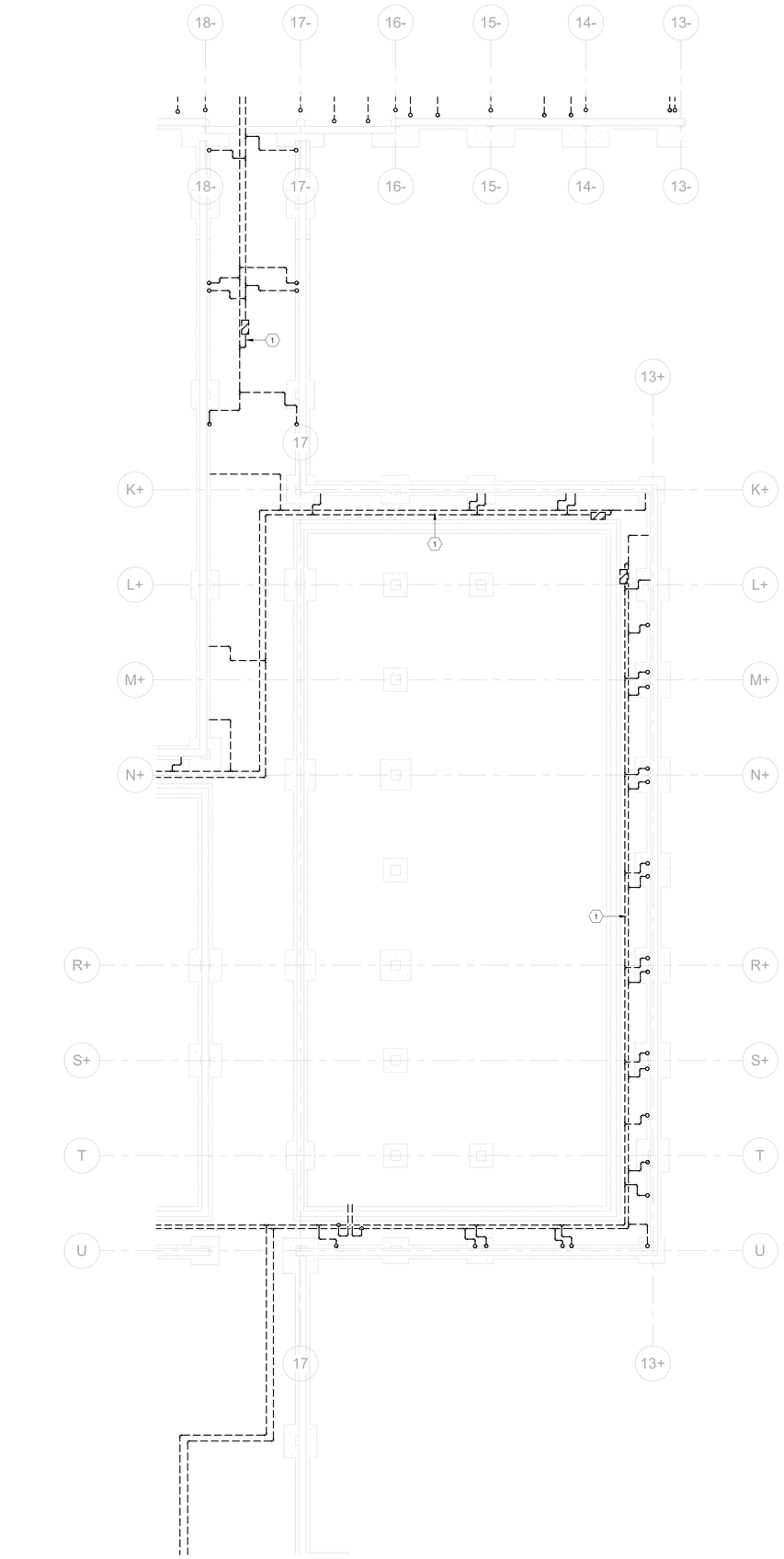
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B-M2.4

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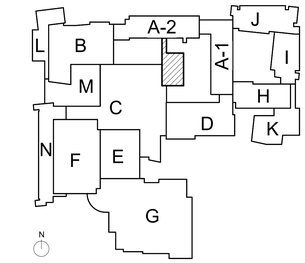


1 TUNNEL MECHANICAL DEMOLITION PLAN - AREA C
1/8" = 1'-0"

KEYNOTES

1 DISCONNECT AND REMOVE STEAM AND CONDENSATE PIPING WITH ASSOCIATED HANGERS, SUPPORTS, AND TRAPS.

KEY PLAN



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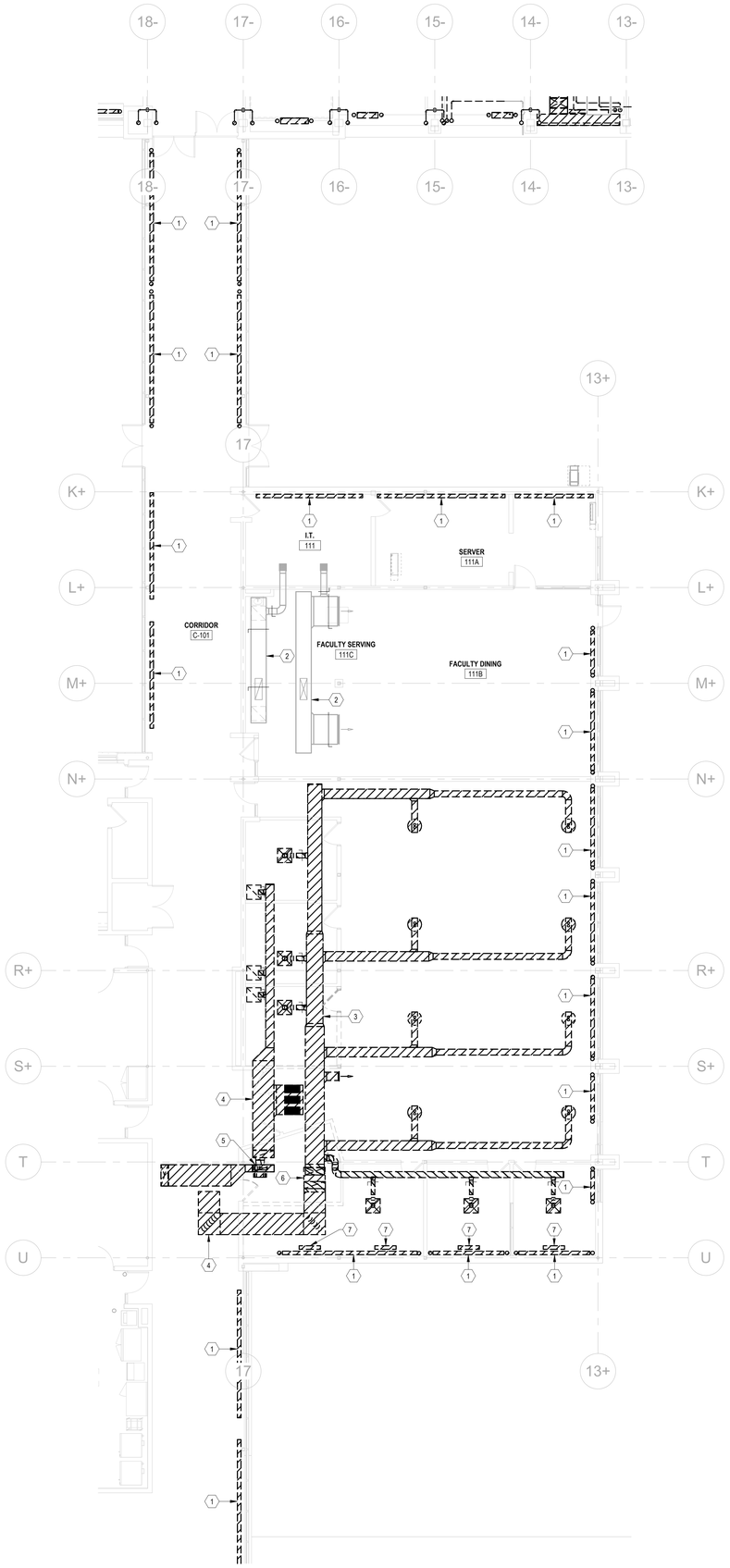
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DRAWING TITLE:
TUNNEL MECHANICAL DEMOLITION PLAN - AREA C

C-M1.0

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NORTH

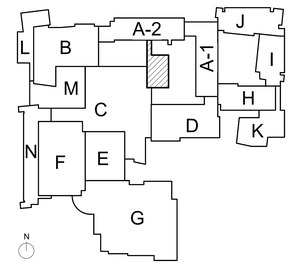
1 FIRST FLOOR MECHANICAL DEMOLITION PLAN - AREA C

1/8" = 1'-0"

KEYNOTES

1. DISCONNECT AND REMOVE FIN TUBE WITH ASSOCIATED PIPING AND CONTROLS.
2. EXISTING TO REMAIN.
3. DISCONNECT AND REMOVE SUPPLY DUCT WITH ASSOCIATED DIFFUSERS
4. DISCONNECT AND REMOVE RETURN DUCT WITH ASSOCIATED GRILLES AND DIFFUSERS.
5. DISCONNECT AND REMOVE EXHAUST FAN WITH ASSOCIATED DUCTWORK AND CONTROLS.
6. DISCONNECT AND REMOVE AIR HANDLING UNIT WITH ASSOCIATED PIPING, DUCTWORK, AND CONTROLS.
7. DISCONNECT AND REMOVE ELECTRIC BASEBOARD WITH ASSOCIATED CONTROLS.

KEY PLAN



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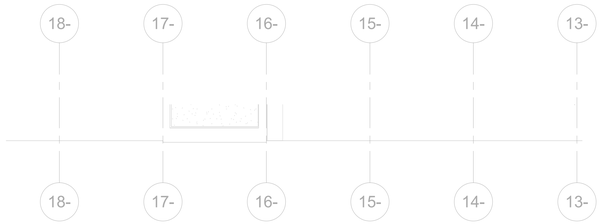
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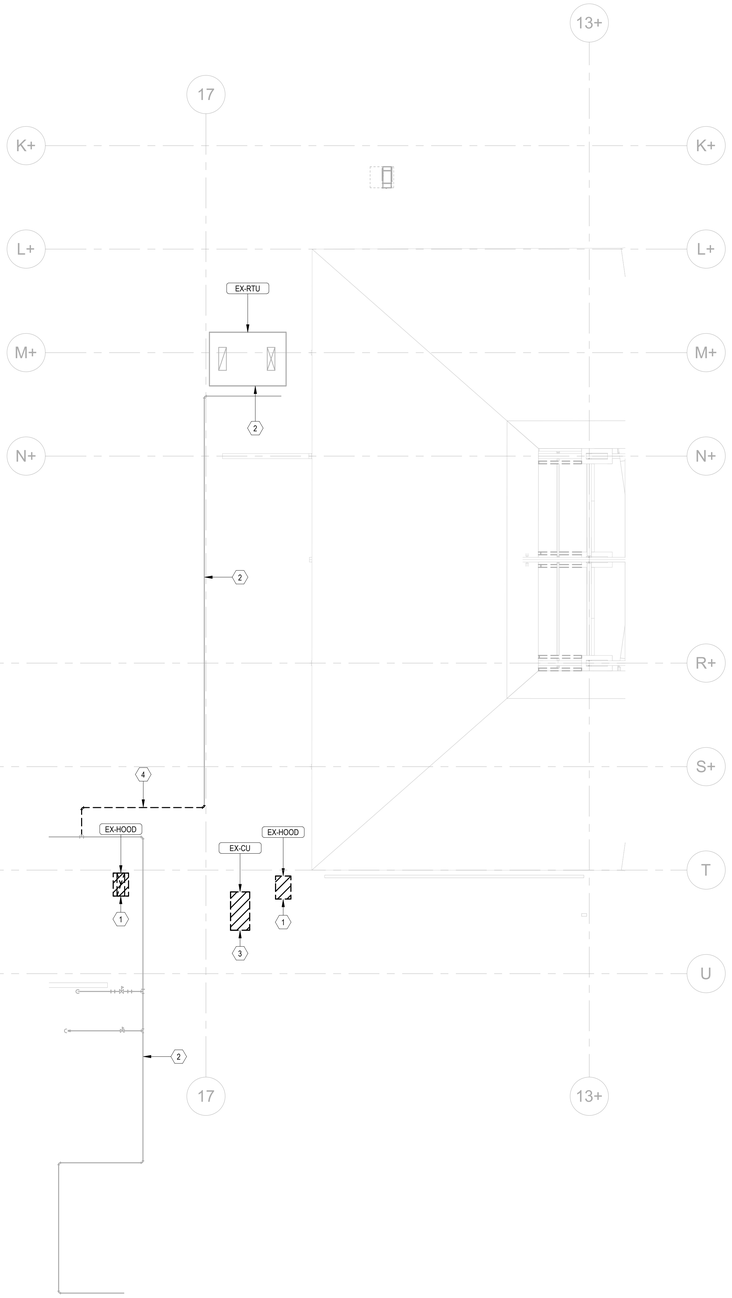
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FIRST FLOOR MECHANICAL DEMOLITION PLAN - AREA C

C-M1.1

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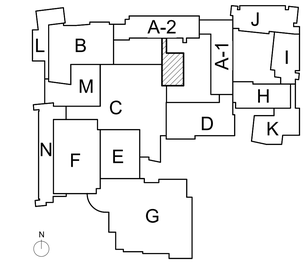
NORTH

1 ROOF MECHANICAL DEMOLITION PLAN - AREA C
1/8" = 1'-0"

KEYNOTES

1 DISCONNECT AND REMOVE HOOD WITH ASSOCIATED CURB.
2 EXISTING TO REMAIN.
3 DISCONNECT AND REMOVE CONDENSING UNIT WITH ASSOCIATED REFRIGERANT PIPING, DX COIL, AND CONTROLS.
4 DISCONNECT AND REMOVE GAS PIPING.

KEY PLAN



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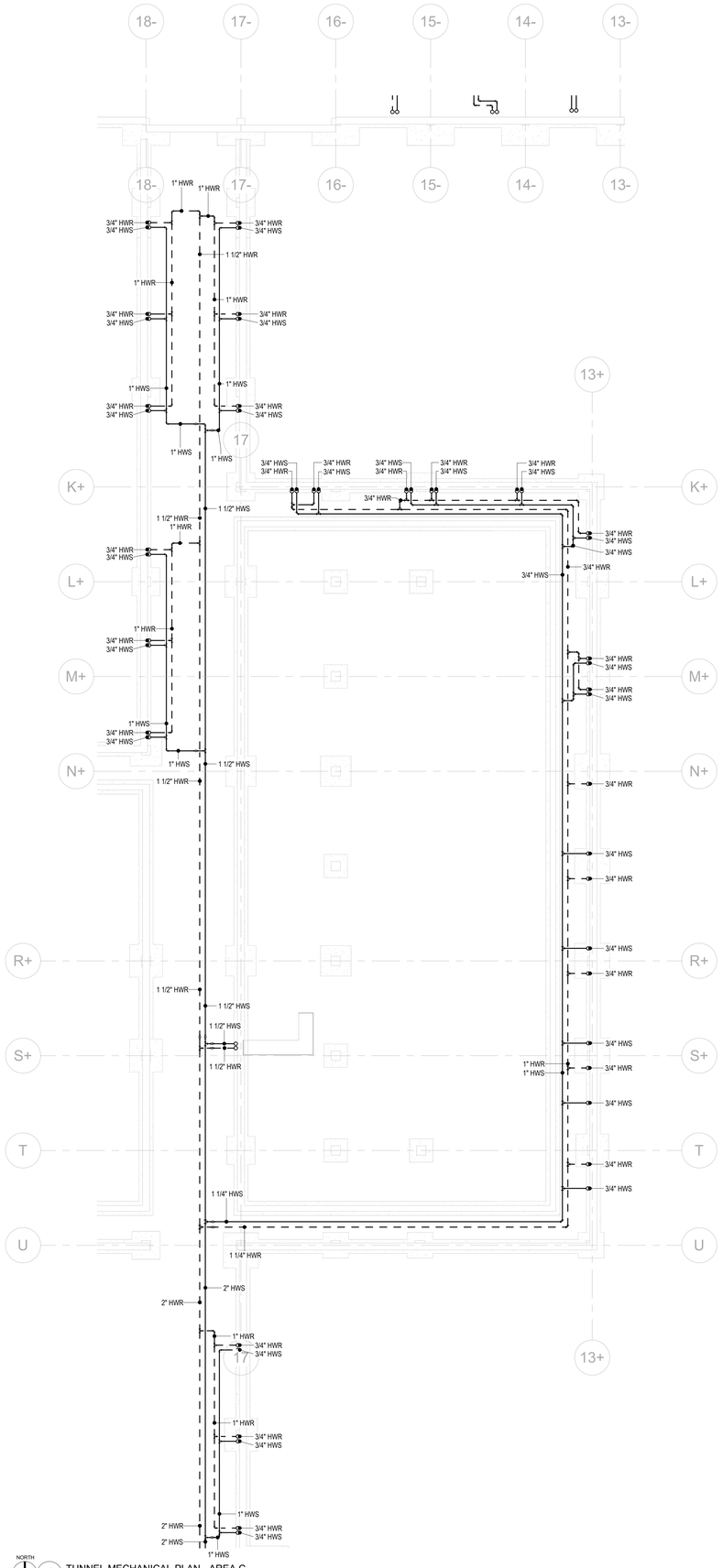
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DRAWING TITLE:
ROOF MECHANICAL DEMOLITION PLAN - AREA C

C-M1.2

ISSUED FOR BID SET - 10.01.2026

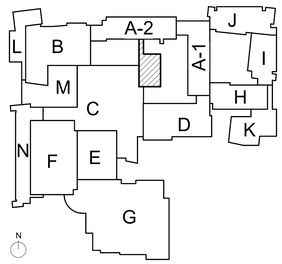
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NORTH

1 TUNNEL MECHANICAL PLAN - AREA C
1/8" = 1'-0"

KEY PLAN



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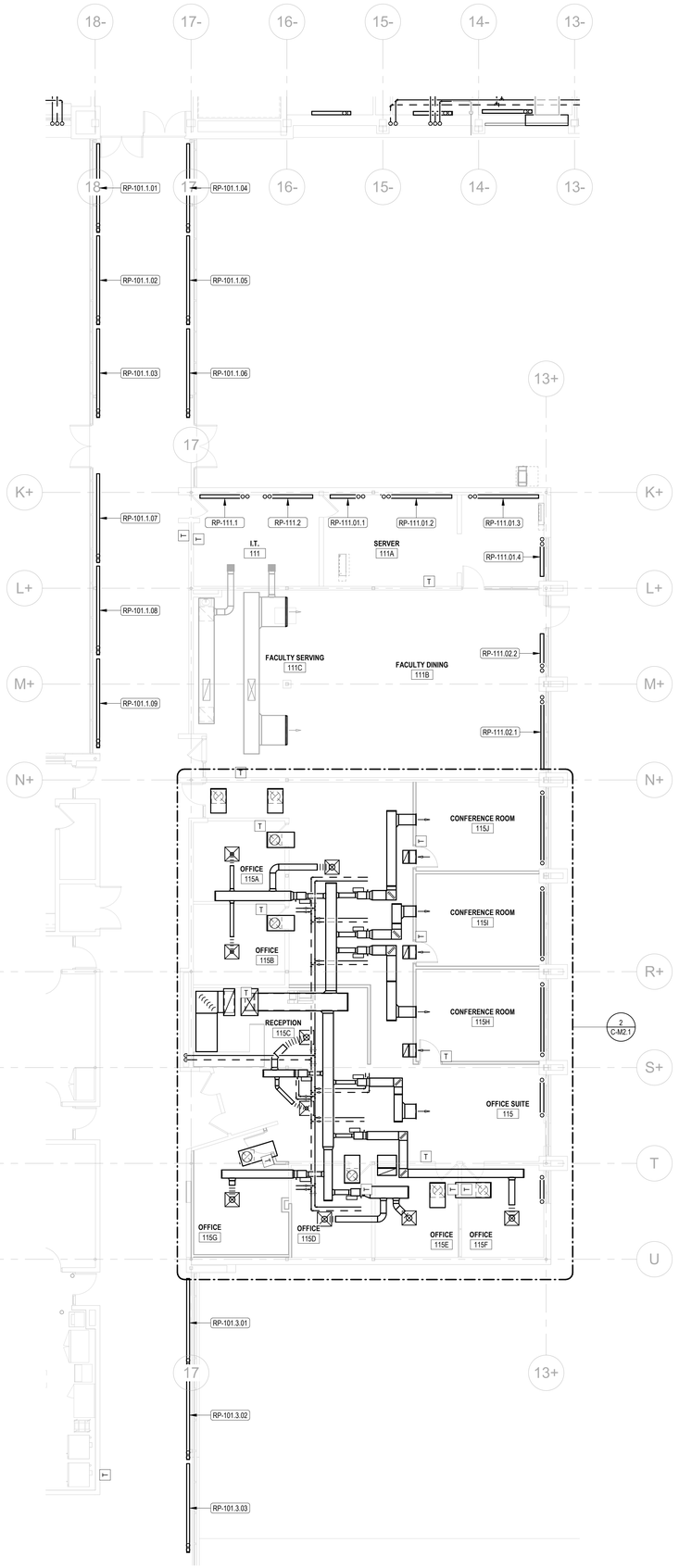
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TUNNEL MECHANICAL PLAN - AREA C

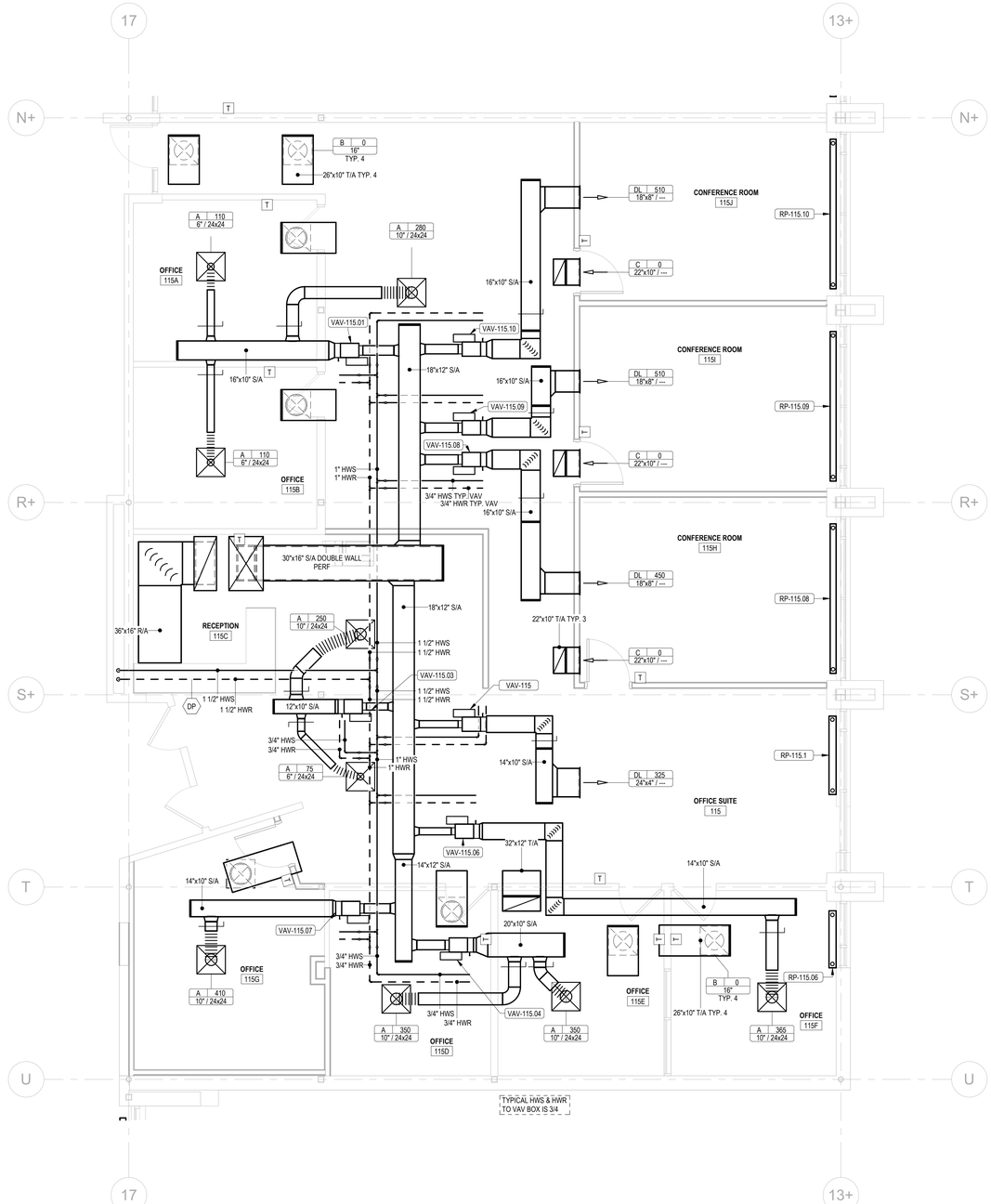
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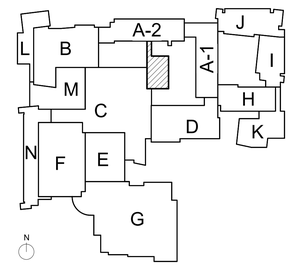


1 FIRST FLOOR MECHANICAL PLAN - AREA C
1/8" = 1'-0"



2 ENLARGED FIRST FLOOR MECHANICAL PLAN - AREA C
1/4" = 1'-0"

KEY PLAN



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REVISIONS:

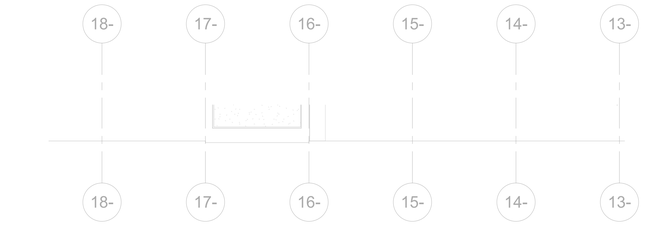
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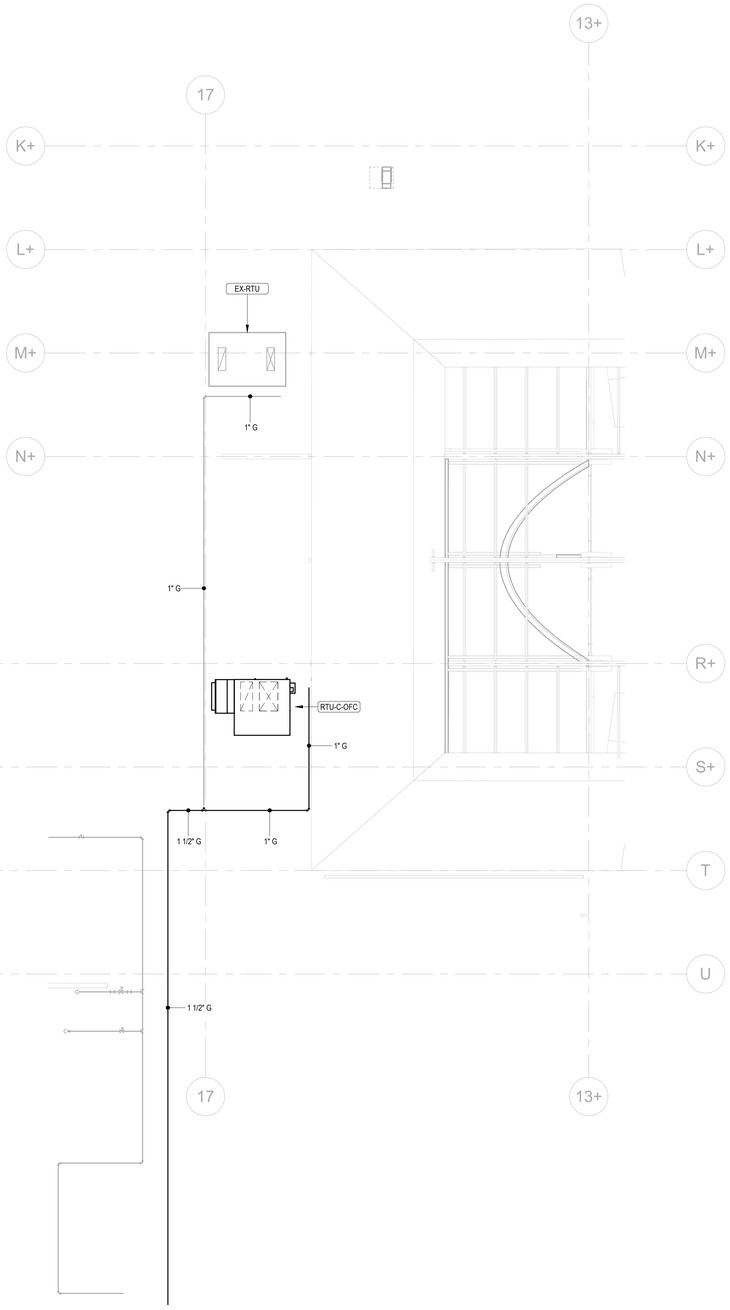
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FIRST FLOOR MECHANICAL PLAN - AREA C

C-M2.1

ISSUED FOR BID SET - 10.01.2026

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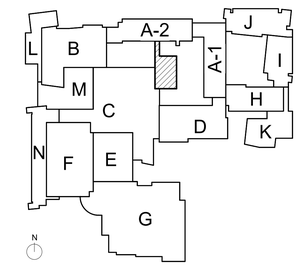




NORTH

1 ROOF MECHANICAL PLAN - AREA C
1/8" = 1'-0"

KEY PLAN



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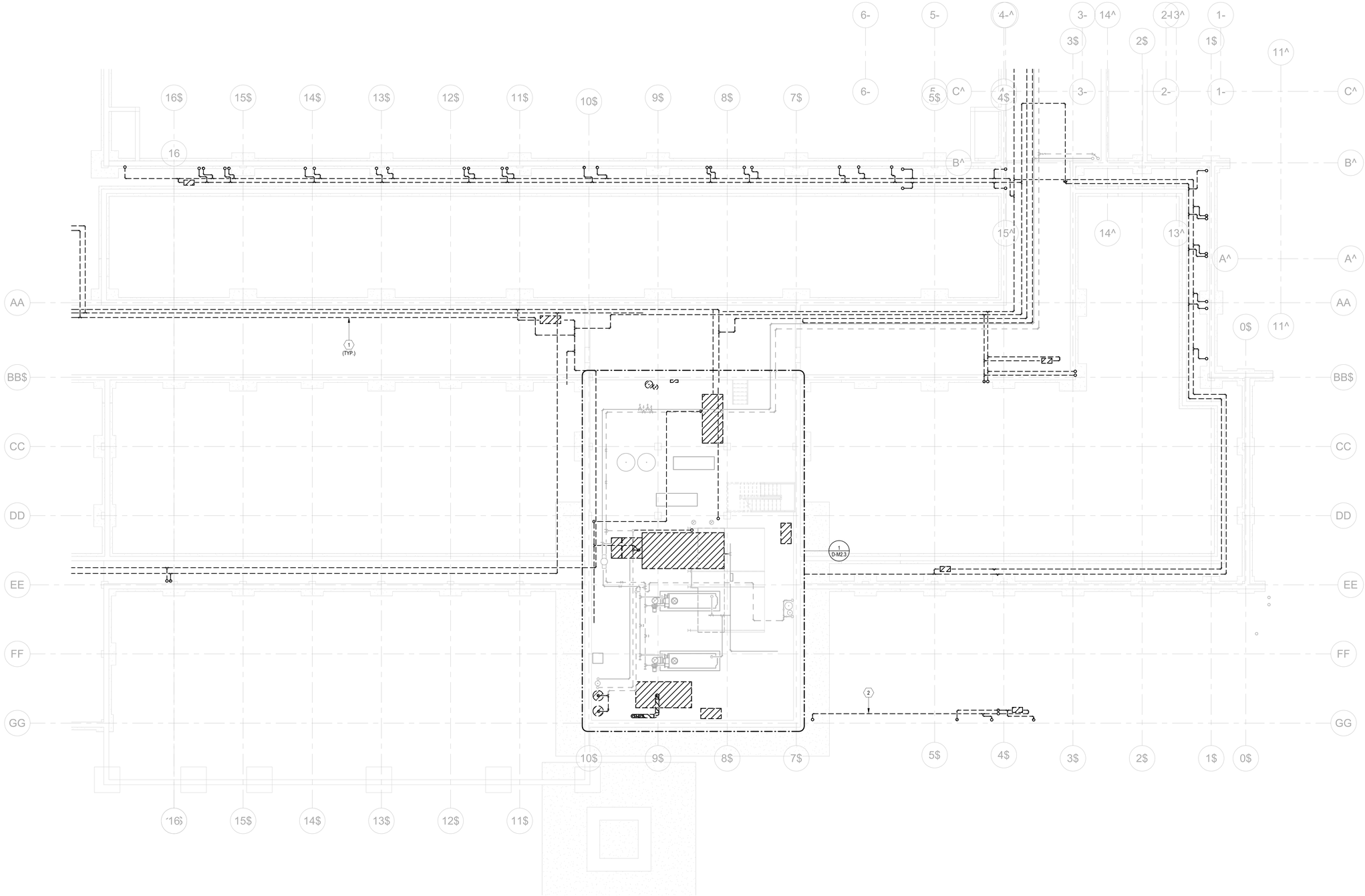
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DRAWING TITLE:
ROOF MECHANICAL PLAN - AREA C

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C-M2.2

9/30/2026 5:43:40 PM



NORTH

1 TUNNEL MECHANICAL DEMOLITION PLAN - AREA D

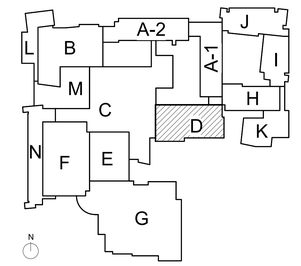
1/8" = 1'-0"

KEYNOTES

1 DISCONNECT AND REMOVE STEAM AND CONDENSATE PIPING WITH ASSOCIATED HANGERS, SUPPORTS, AND TRAPS.

2 WHERE EXISTING STEAM AND CONDENSATE PIPING IS LOCATED BELOW SLAB IN AREA WITHOUT TUNNEL, PIPING MAY BE ABANDONED IN PLACE BELOW SLAB.

KEY PLAN



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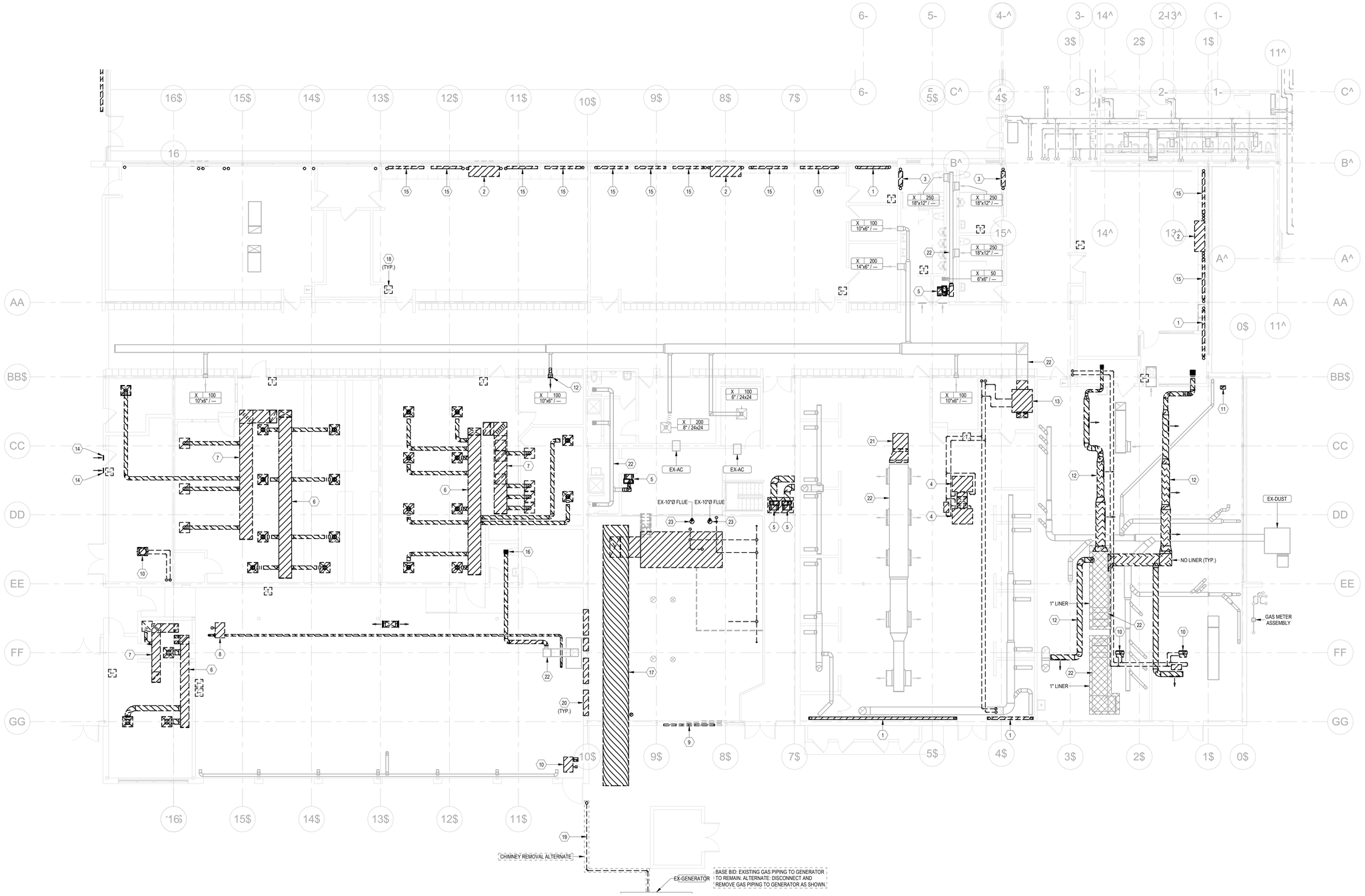
#	Description	Date

DRAWING TITLE:
TUNNEL MECHANICAL DEMOLITION PLAN - AREA D

D-M1.0

ISSUED FOR BID SET - 10.01.2026

9/30/2026 5:43:3 PM



NORTH

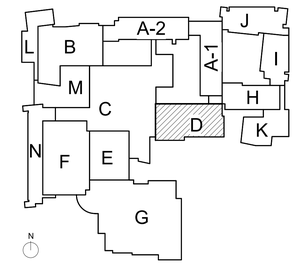
1 FIRST FLOOR MECHANICAL DEMOLITION PLAN - AREA D

1/8" = 1'-0"

KEYNOTES

1. DISCONNECT AND REMOVE FIN TUBE WITH ASSOCIATED PIPING AND CONTROLS.
2. DISCONNECT AND REMOVE UNIT VENTILATOR WITH ASSOCIATED PIPING, LOUVER, AND CONTROLS.
3. DISCONNECT AND REMOVE CABINET UNIT HEATER WITH ASSOCIATED PIPING AND CONTROLS.
4. DISCONNECT AND REMOVE UNIT VENTILATOR WITH ASSOCIATED PIPING AND CONTROLS.
5. DISCONNECT AND REMOVE EXHAUST FAN WITH ASSOCIATED DUCTWORK, CONTROLS, HANGERS, AND SUPPORTS.
6. DISCONNECT AND REMOVE SUPPLY DUCT WITH ASSOCIATED DIFFUSERS.
7. DISCONNECT AND REMOVE RETURN DUCT WITH ASSOCIATED DIFFUSERS.
8. DISCONNECT AND REMOVE INFRARED TUBE HEATER WITH ASSOCIATED PIPING AND CONTROLS.
9. DISCONNECT AND REMOVE LOUVER WITH ASSOCIATED DAMPER AND CONTROLS.
10. DISCONNECT AND REMOVE UNIT HEATER WITH ASSOCIATED PIPING AND CONTROLS.
11. DISCONNECT AND REMOVE EXHAUST DUCT WITH ASSOCIATED CONTROLS.
12. DISCONNECT AND REMOVE SUPPLY DUCT WITH ASSOCIATED GRILLES.
13. DISCONNECT AND REMOVE VENTILATING SUPPLY SYSTEM WITH ASSOCIATED PIPING, DUCTWORK, AND CONTROLS.
14. DISCONNECT AND REMOVE GRILLES.
15. EXISTING FIN TUBE TO BE ABANDONED IN PLACE. DISCONNECT AND REMOVE PIPING AND CONTROLS. CAP PIPING BELOW FLOOR.
16. DISCONNECT AND REMOVE EXHAUST DUCT WITH ASSOCIATED GRILLES.
17. BOILER FLUE TO BE REMOVED BY OTHERS.
18. DISCONNECT AND REMOVE PNEUMATIC THERMOSTAT. CAP PNEUMATIC PIPIPING AT POINT OF ENTRY INTO ROOM. PROVIDE STAINLESS STEEL COVER PLATE TO BLANK OFF OPENING.
19. DISCONNECT AND REMOVE GAS PIPING.
20. DISCONNECT AND REMOVE DAMPER WITH ASSOCIATED CONTROLS.
21. DISCONNECT AND REMOVE SUPPLY DUCT.
22. EXISTING TO REMAIN.
23. DISCONNECT AND REMOVE EXISTING FLUE 10 FEET FROM ROOF OR DOWN TO FIRST ELBOW, WHICHEVER IS LONGER.

KEY PLAN



9/30/2026 5:43:51 PM

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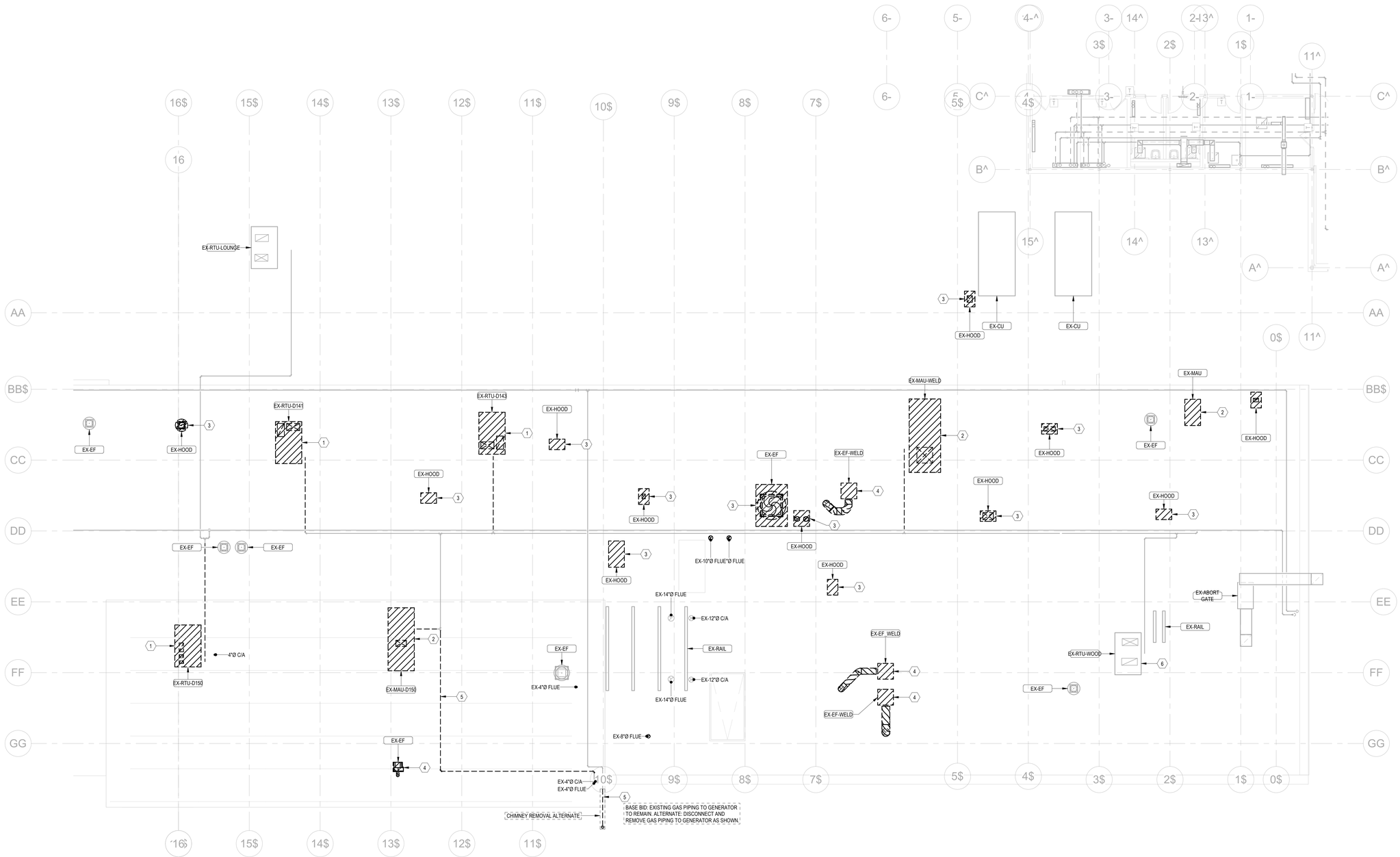
REVISIONS:

#	Description	Date

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DRAWING TITLE:
FIRST FLOOR MECHANICAL DEMOLITION PLAN - AREA D

D-M1.1

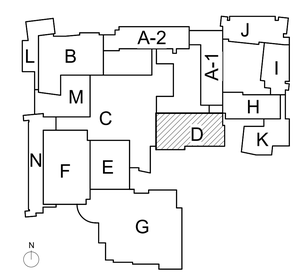


NORTH 1 ROOF MECHANICAL DEMOLITION PLAN - AREA D
1/8" = 1'-0"

KEYNOTES

1. DISCONNECT AND REMOVE ROOFTOP UNIT WITH ASSOCIATED DUCTWORK, PIPING, AND CONTROLS.
2. DISCONNECT AND REMOVE MAKE-UP AIR UNIT WITH ASSOCIATED DUCTWORK, PIPING, AND CONTROLS.
3. DISCONNECT AND REMOVE HOOD.
4. DISCONNECT AND REMOVE EXHAUST FAN WITH ASSOCIATED DUCTWORK AND CONTROLS.
5. DISCONNECT AND REMOVE GAS PIPING.
6. EXISTING TO REMAIN.

KEY PLAN



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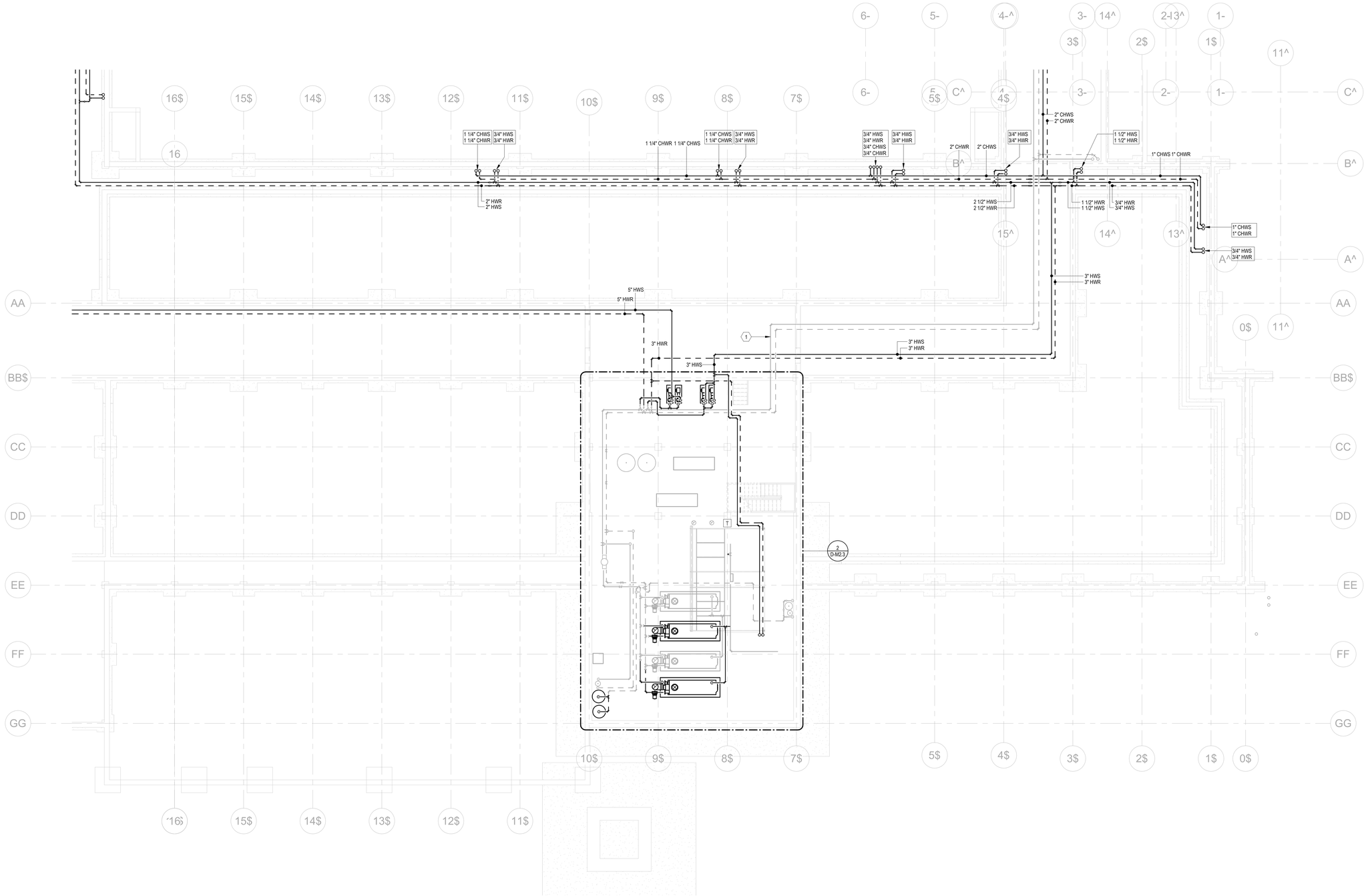
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DRAWING TITLE:
ROOF MECHANICAL DEMOLITION PLAN - AREA D

D-M1.2

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NORTH 1 TUNNEL MECHANICAL DEMOLITION PLAN - AREA D
1/8" = 1'-0"

KEYNOTES

1 EXISTING TO REMAIN.

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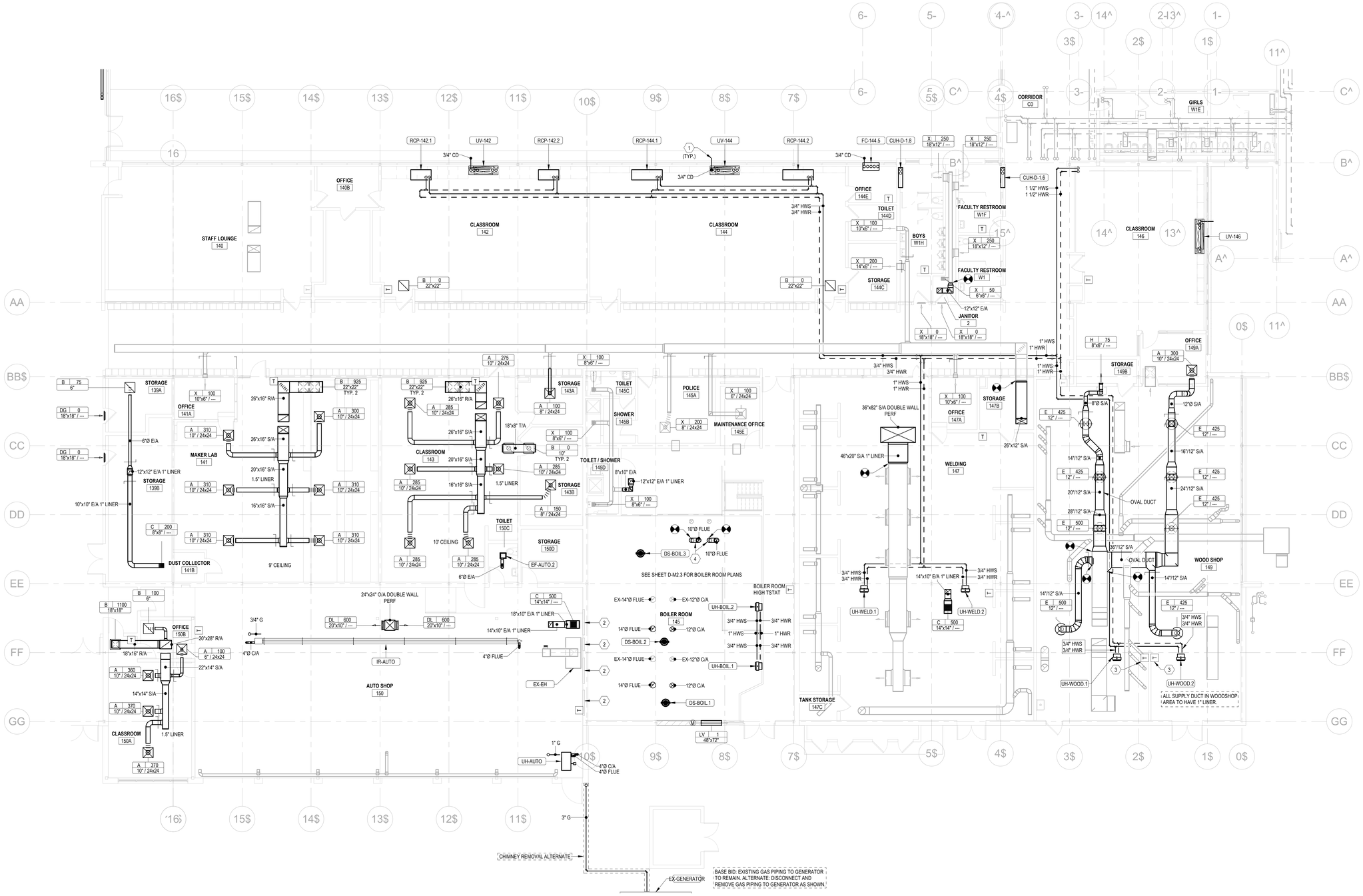
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D-M2.0

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NORTH

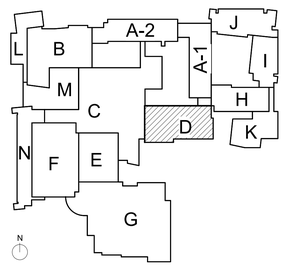
1 FIRST FLOOR MECHANICAL PLAN - AREA D

1/8" = 1'-0"

KEYNOTES

1. TERMINATE CONDENSATE DRAINAGE PIPING WITH RICHARD MFG GV SERIES VENT WITH SCREEN.
2. BLANK OFF LOUVER WITH 2" DOUBLE WALL INSULATED METAL PANEL.
3. VERIFY LOCATION IN FIELD IS UNOBSTRUCTED.
4. CONNECT NEW FLUE TO EXISTING, MATCH EXISTING FLUE SIZE AND TYPE. VERIFY IN FIELD.

KEY PLAN



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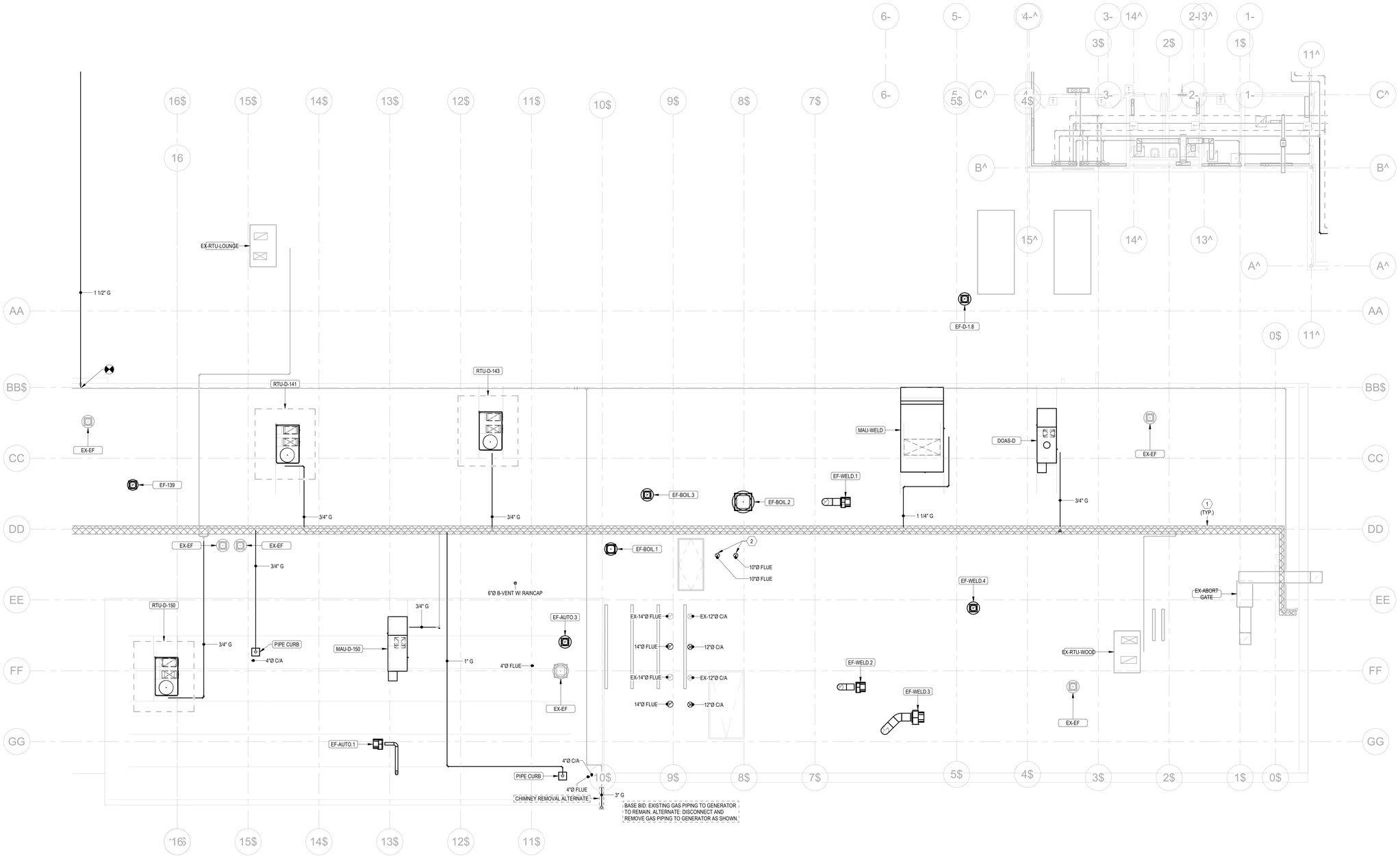
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DRAWING TITLE:
FIRST FLOOR MECHANICAL PLAN - AREA D

D-M2.1

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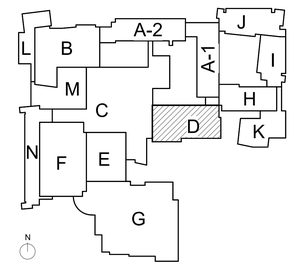


NORTH 1 ROOF MECHANICAL PLAN - AREA D
1/8" = 1'-0"

KEYNOTES

1 PAINT EXISTING GAS PIPING.
2 EXTEND FLUE MINIMUM 3 FEET ABOVE SURFACE OF ROOF. TERMINATE WITH RAIN CAP.

KEY PLAN



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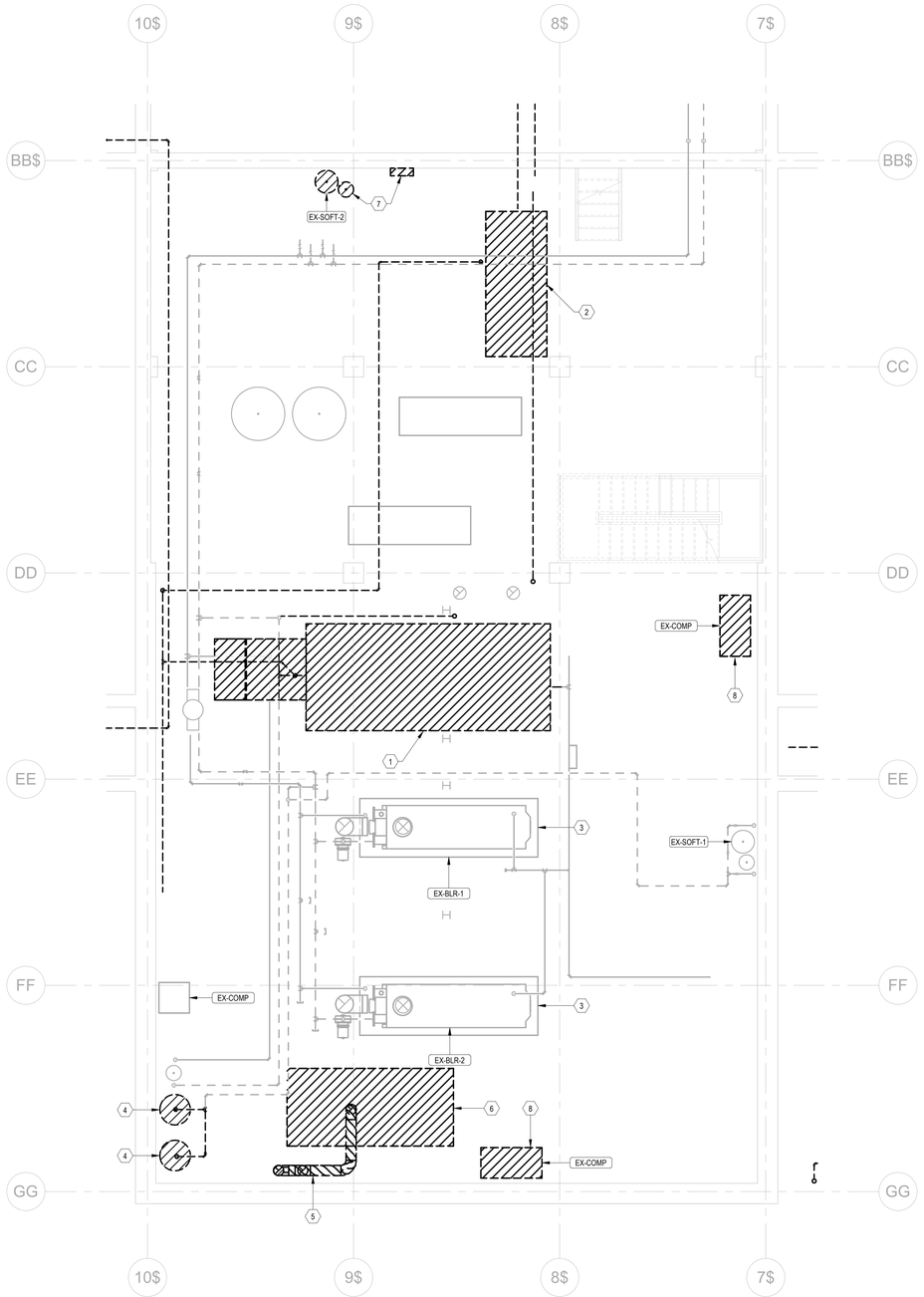
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D-M2.2

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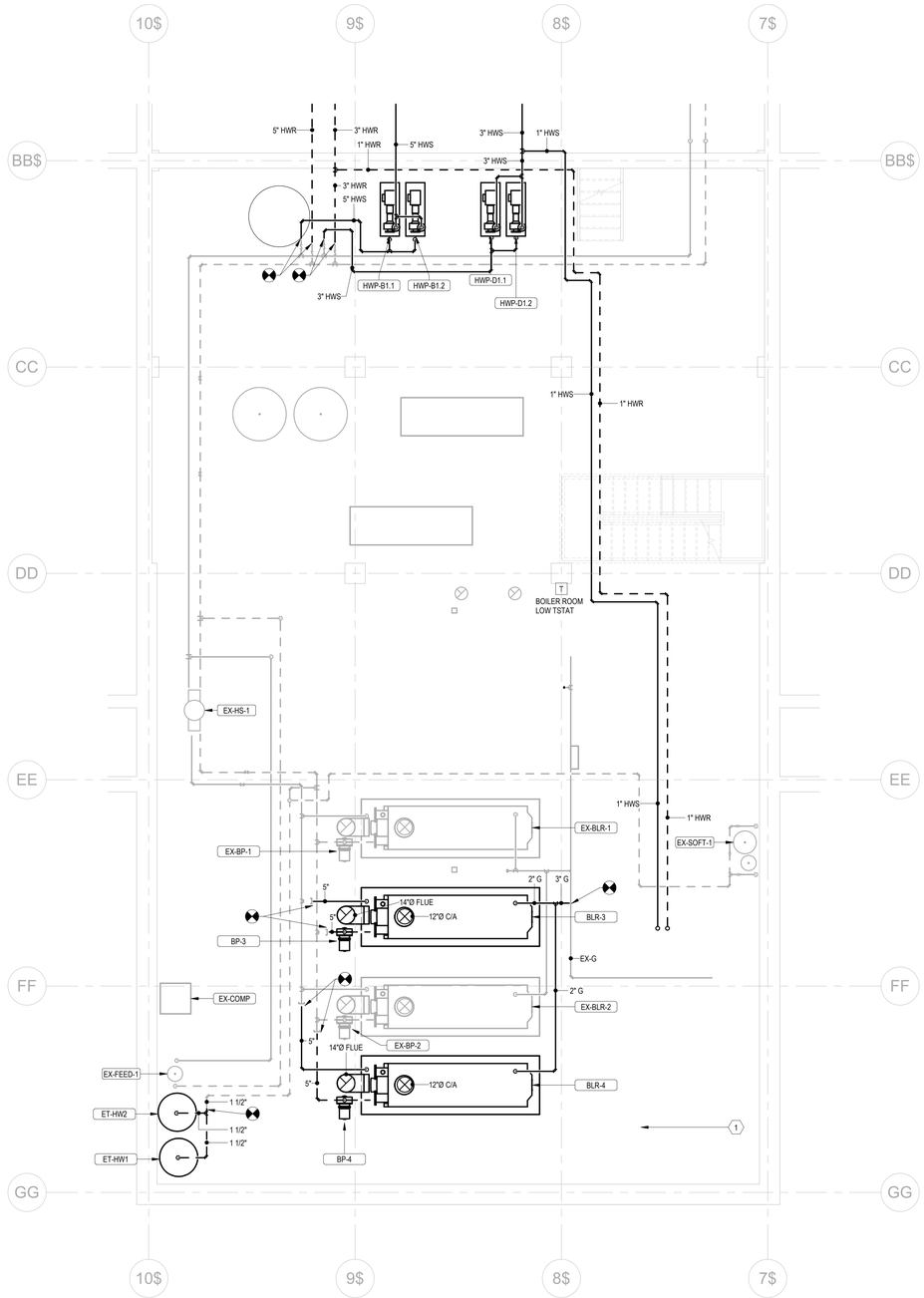
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NORTH

1 BOILER ROOM MECHANICAL DEMOLITION PLAN

1/4" = 1'-0"



NORTH

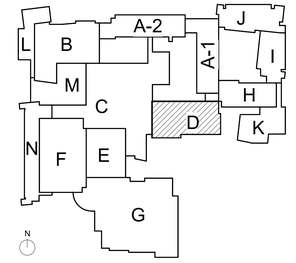
2 BOILER ROOM MECHANICAL PLAN

1/4" = 1'-0"

KEYNOTES

1. DISCONNECT ALL EXISTING STEAM, CONDENSATE, DRAIN, GAS, PIPING FROM EXISTING STEAM BOILER. DISCONNECT AND REMOVE EXISTING BURNER. CAP EXISTING GAS PIPING. BOILER DEMOLITION AND REMOVAL WILL BE BY OTHERS AFTER MECHANICAL CONTRACTOR HAS DISCONNECTED BOILER.
2. DISCONNECT AND REMOVE CONDENSATE RECEIVER WITH ASSOCIATED PIPING AND CONTROLS.
3. EXISTING TO REMAIN.
4. DISCONNECT EXPANSION TANK, SALVAGE AND RETURN TO OWNER. DISCONNECT AND REMOVE ASSOCIATED PIPING.
5. DISCONNECT AND REMOVE EXHAUST GAS FLUE.
6. REMOVE EXISTING PAD SO THAT SURFACE IS FLUSH WITH SURROUNDING FLOOR.
7. DISCONNECT AND REMOVE WATER SOFTENER WITH ASSOCIATED PIPING AND CONTROLS
8. DISCONNECT AND REMOVE EXISTING AIR COMPRESSOR WITH ASSOCIATED PIPING AND CONTROLS. CAP PIPING AT POINT OF EXIT FROM BOILER ROOM.

KEY PLAN



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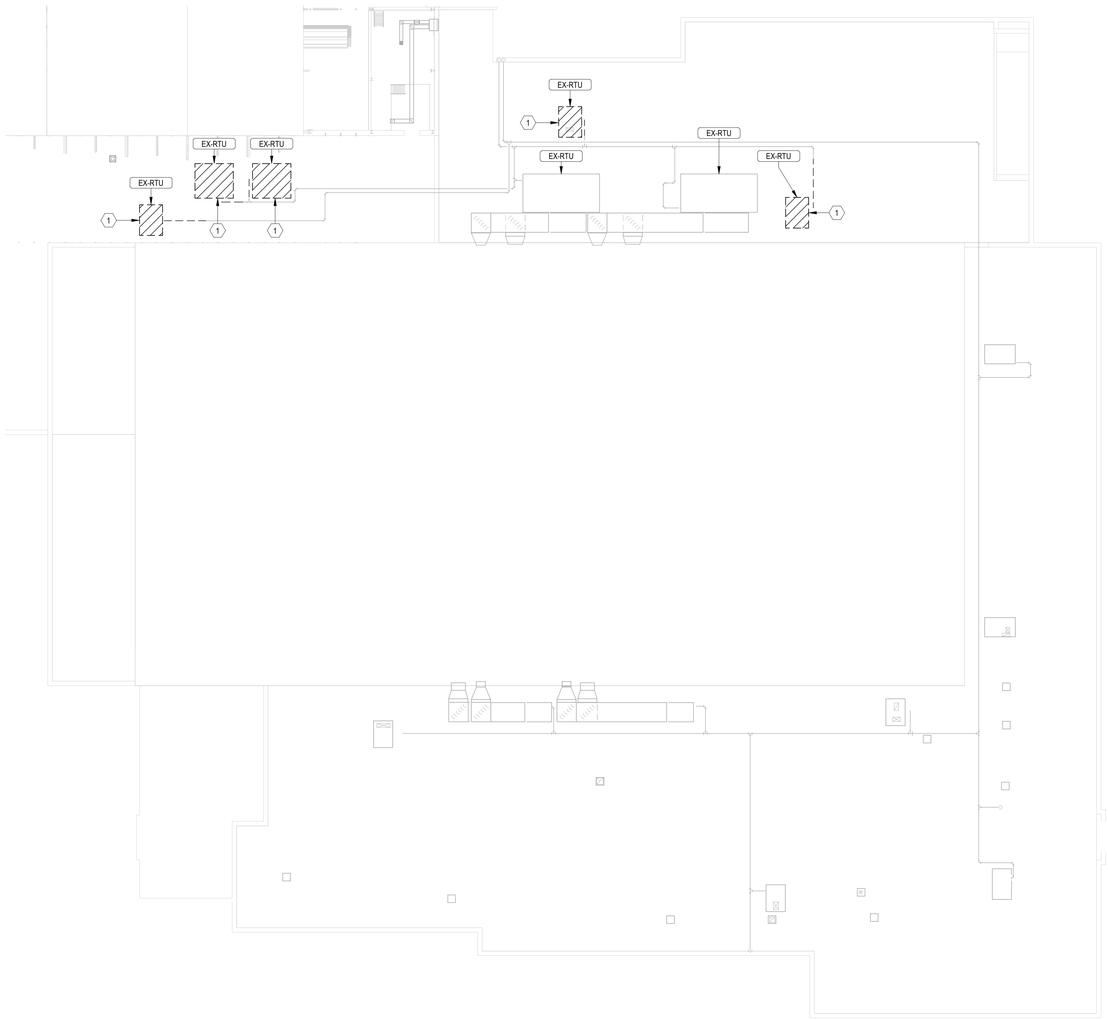
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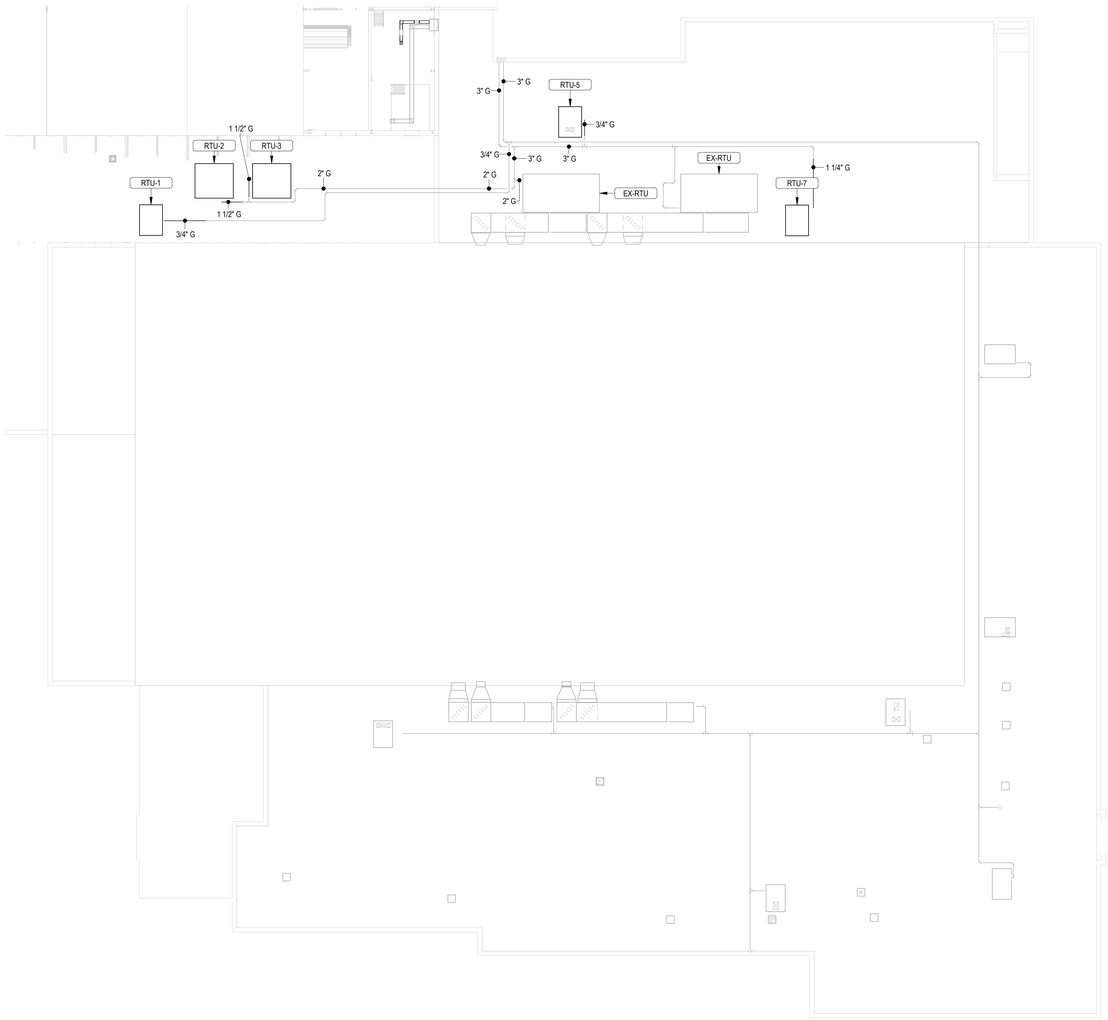
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BOILER ROOM MECHANICAL PLANS

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D-M2.3



NORTH 2 ROOF MECHANICAL DEMOLITION PLAN - AREA G - ALTERNATE
1/16" = 1'-0"



NORTH 1 ROOF MECHANICAL PLAN - AREA G - ALTERNATE
1/16" = 1'-0"

KEYNOTES

1 DISCONNECT AND REMOVE ROOFTOP UNIT WITH ASSOCIATED DUCTWORK, PIPING, AND CONTROLS.

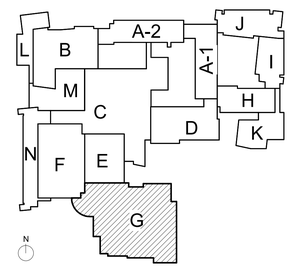
ROOFTOP UNIT SCHEDULE - PURCHASED BY CO-OP - ALTERNATE

TAG	SERVICE	SUPPLY FAN				DX COOLING					REHEAT			GAS HEATING			ELECTRICAL			OA CFM	WEIGHT (LBS.)	EER	MFR.	MODEL	NOTES
		CFM	E.S.P.	BHP/HP	FAN CONTROL	TOT. MBH	SENS. MBH	EAT DB/WB	STAGES	LAT DB/WB	MBH	STAGES	LAT	MBH IN / OUT	TURNDOWN	LAT	VOLT.	MCA	MOCP						
RTU-1	FITNESS	1,860	1	0.710 / 3	SZVAV	80.45	55	80.2 / 67.4	2	53 / 53	32	MOD	72.6	150 / 121.5	10:1	108.5	460 / 3	23	25	480	1,500	12.2	TRANE	YHK072	ALL
RTU-2	ENTRYWAY	5,250	1	2.240 / 3	SZVAV	182.75	135.4	79.2 / 66.59	2	55.7 / 55.1	135.7	MOD	75.9	400 / 324	10:1	109.5	460 / 3	43	50	1,110	2,800	12.2	TRANE	YHK180	ALL
RTU-3	HALLWAY	6,600	1	4.170 / 3	SZVAV	236.03	186.9	78.2 / 65.76	2	54.9 / 53.8	167.2	MOD	75.4	400 / 324	10:1	101.9	460 / 3	58	80	1,070	2,900	10.8	TRANE	YHK240	ALL
RTU-5	GUN RANGE	1,600	1	0.490 / 3	SZVAV	48.5	36.1	77.6 / 65.25	2	54.3 / 54.2	40	MOD	75.9	130 / 105	2:1	117.5	460 / 3	20	25	200	1,300	12.9	TRANE	YHK048	ALL
RTU-7	OFFICES	3,000	1	1.340 / 3	SZVAV	92.12	73.6	78 / 65.59	2	55.8 / 55.4	48.4	MOD	73.1	200 / 162	10:1	107.3	460 / 3	25	30	440	1,500	12.1	TRANE	YHK090	ALL

NOTES

1	GAS/DX RTU, TOOL-LESS ACCESS DOORS, VARIABLE SPEED DIRECT DRIVE FANS, REFERENCE ENTHALPY ECONOMIZER WITH FDD, STAINLESS STEEL DRAIN PAN, STAINLESS STEEL HEAT EXCHANGER, CONVENIENCE OUTLET, HAIL GUARDS, MERV 13 FILTERS, BACNET INTERFACE, DISCONNECT.
2	VERTICAL DISCHARGE, PROVIDE INSULATED CURB ADAPTER TO RAISE RTU AT LEAST 12" ABOVE ROOF SURFACE. MECHANICAL CONTRACTOR TO DETERMINE CURB CONFIGURATION.

KEY PLAN



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ROOF MECHANICAL PLANS - AREA G - ALTERNATE

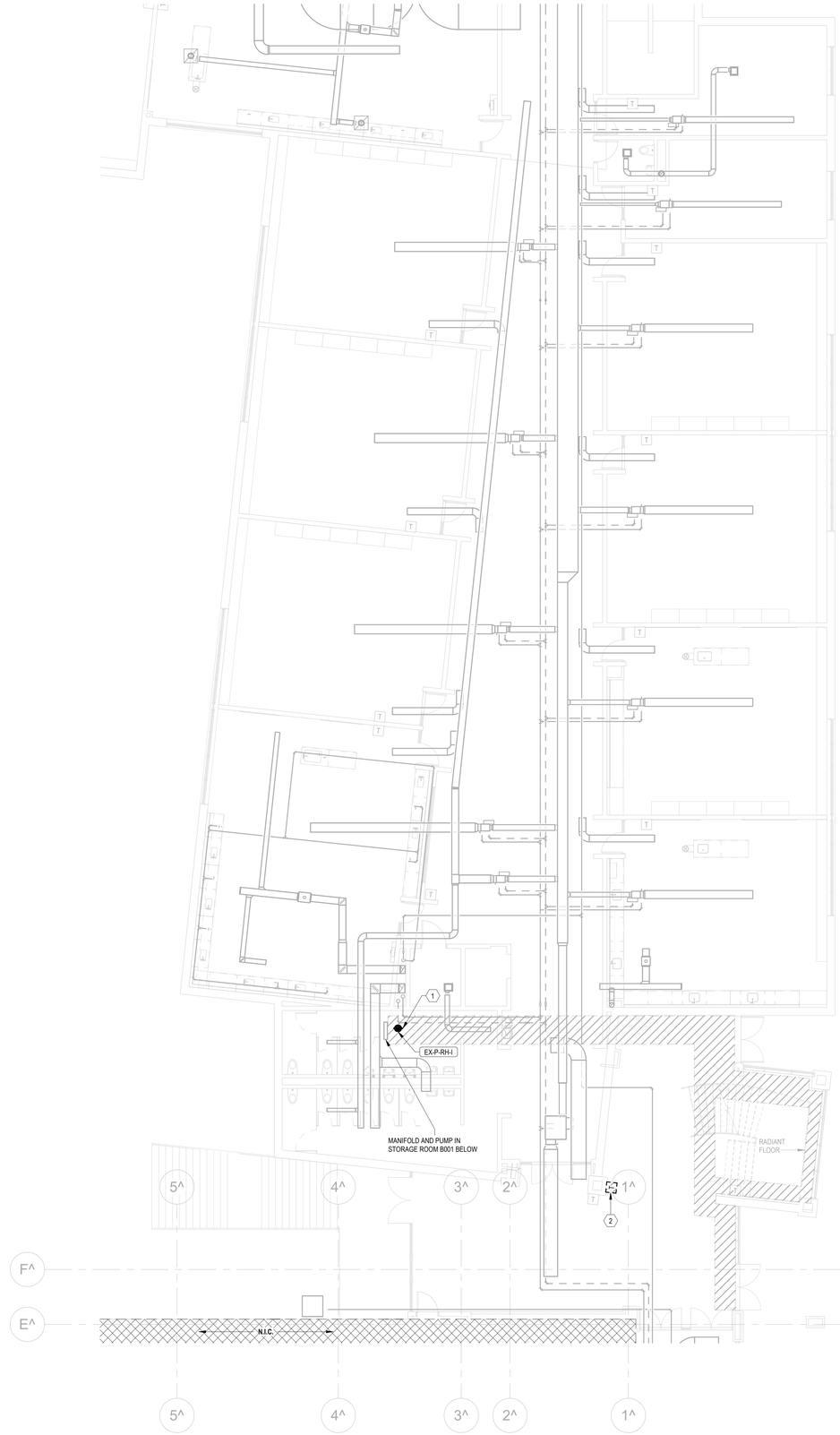
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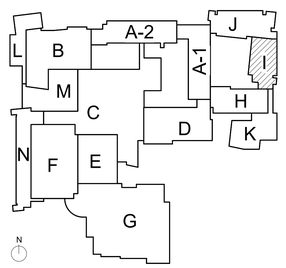
KEYNOTES

1 DISCONNECT AND REMOVE PUMP WITH ASSOCIATED PIPING AND CONTROLS.
2 DISCONNECT AND REMOVE THERMOSTAT.



NORTH 1 FIRST FLOOR MECHANICAL DEMOLITION PLAN - AREA I
1/8" = 1'-0"

KEY PLAN



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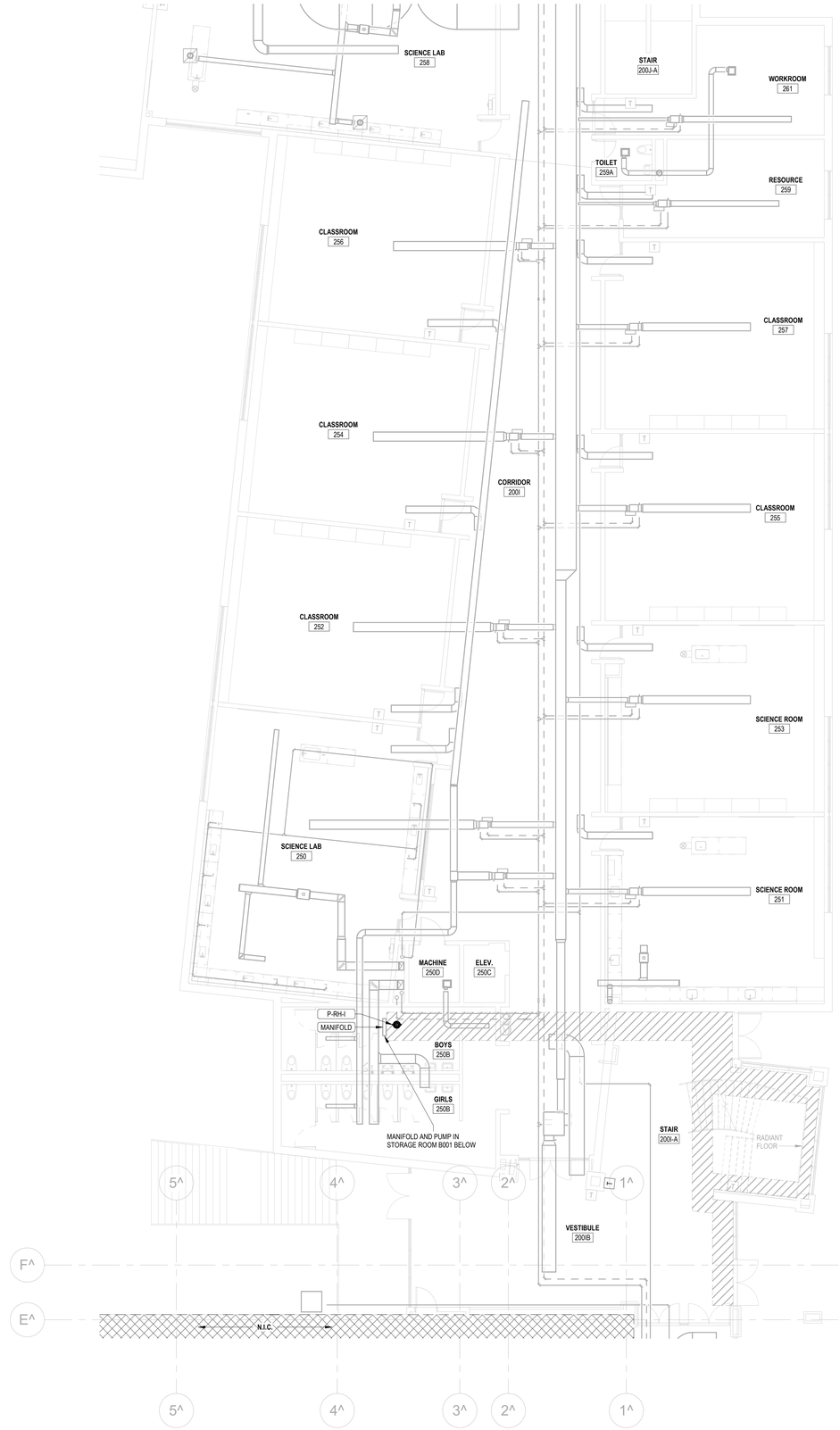
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FIRST FLOOR MECHANICAL DEMOLITION PLAN - AREA I

I-M1.1

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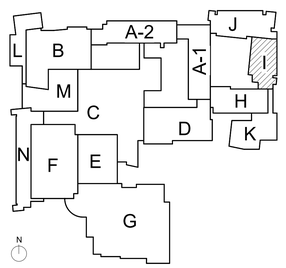
KEYNOTES



NORTH

1 FIRST FLOOR MECHANICAL PLAN - AREA I
1/8" = 1'-0"

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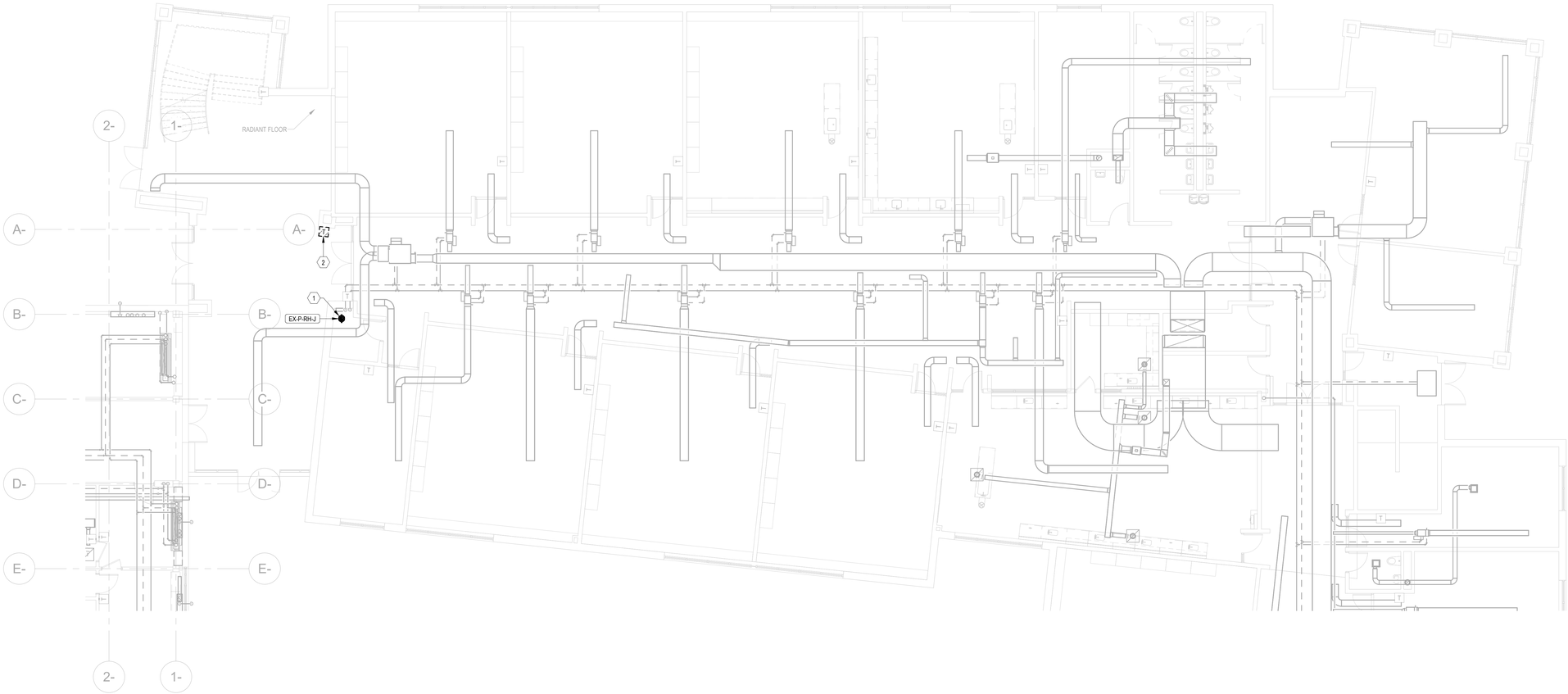
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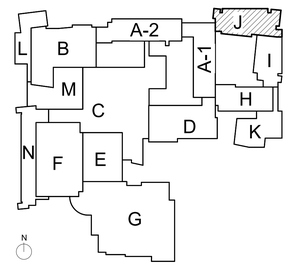
KEYNOTES

1 DISCONNECT AND REMOVE PUMP WITH ASSOCIATED PIPING AND CONTROLS.
2 DISCONNECT AND REMOVE THERMOSTAT.



NORTH
1 FIRST FLOOR MECHANICAL DEMOLITION PLAN - AREA J
1/8" = 1'-0"

KEY PLAN



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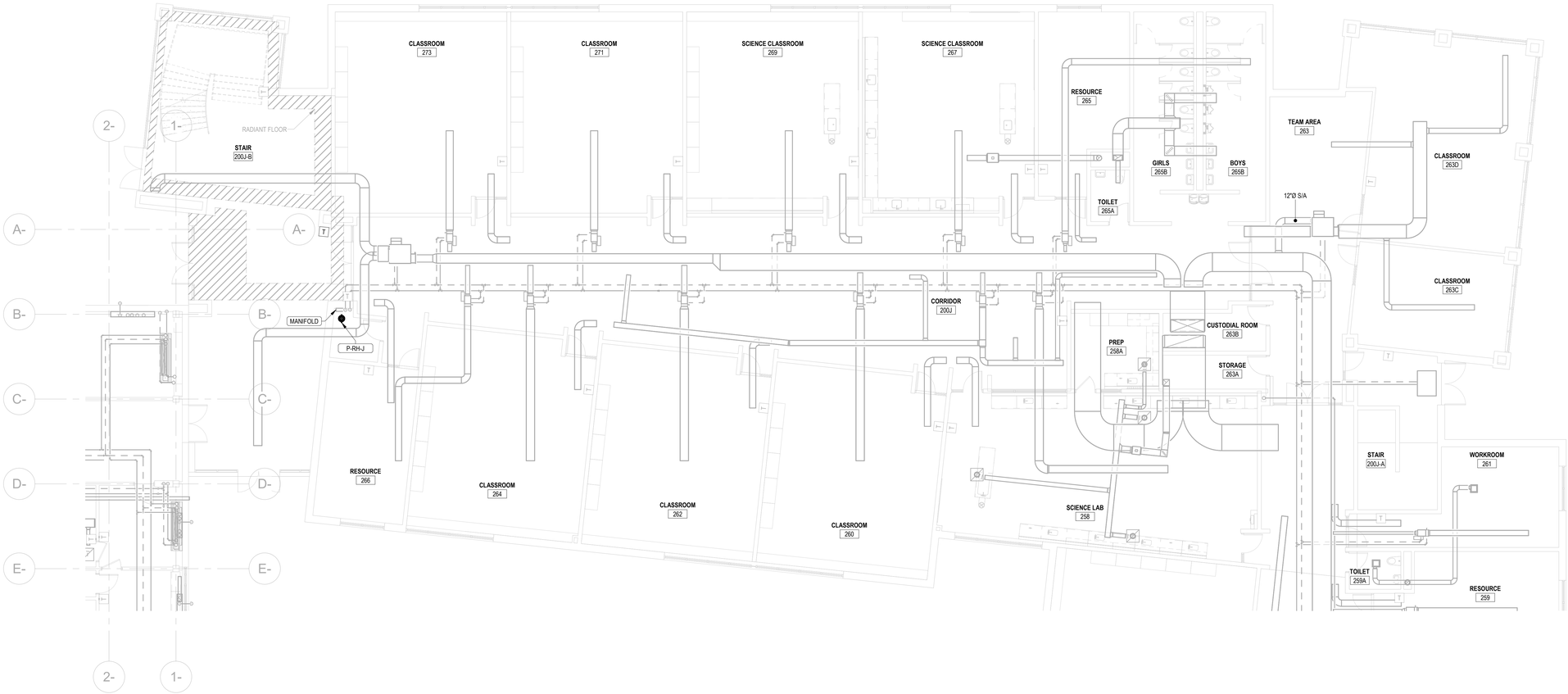
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FIRST FLOOR MECHANICAL DEMOLITION PLAN - AREA J

J-M1.1

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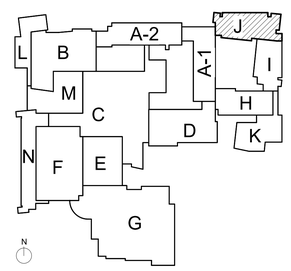
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NORTH 1 FIRST FLOOR MECHANICAL PLAN - AREA J
1/8" = 1'-0"

KEYNOTES

KEY PLAN



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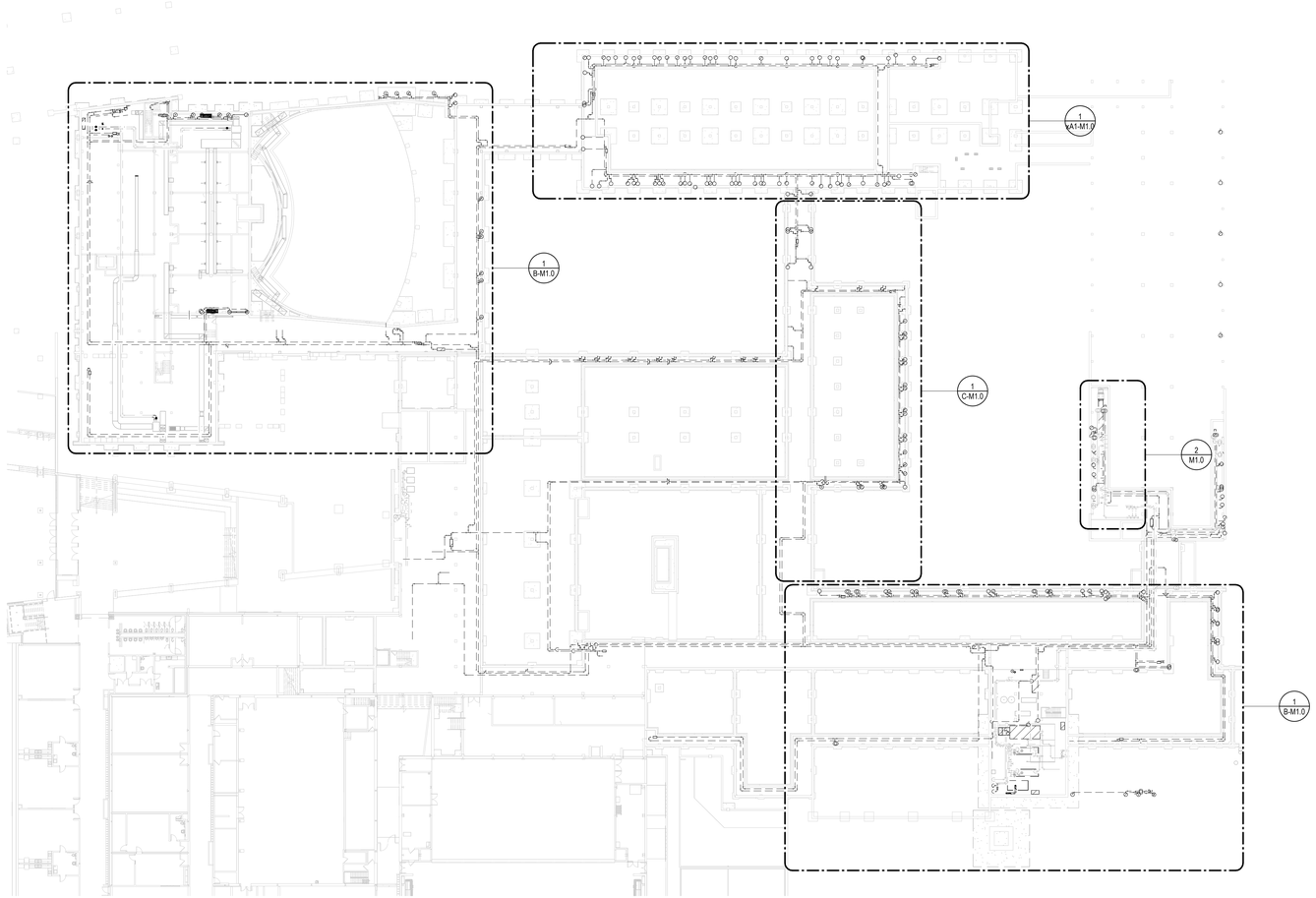
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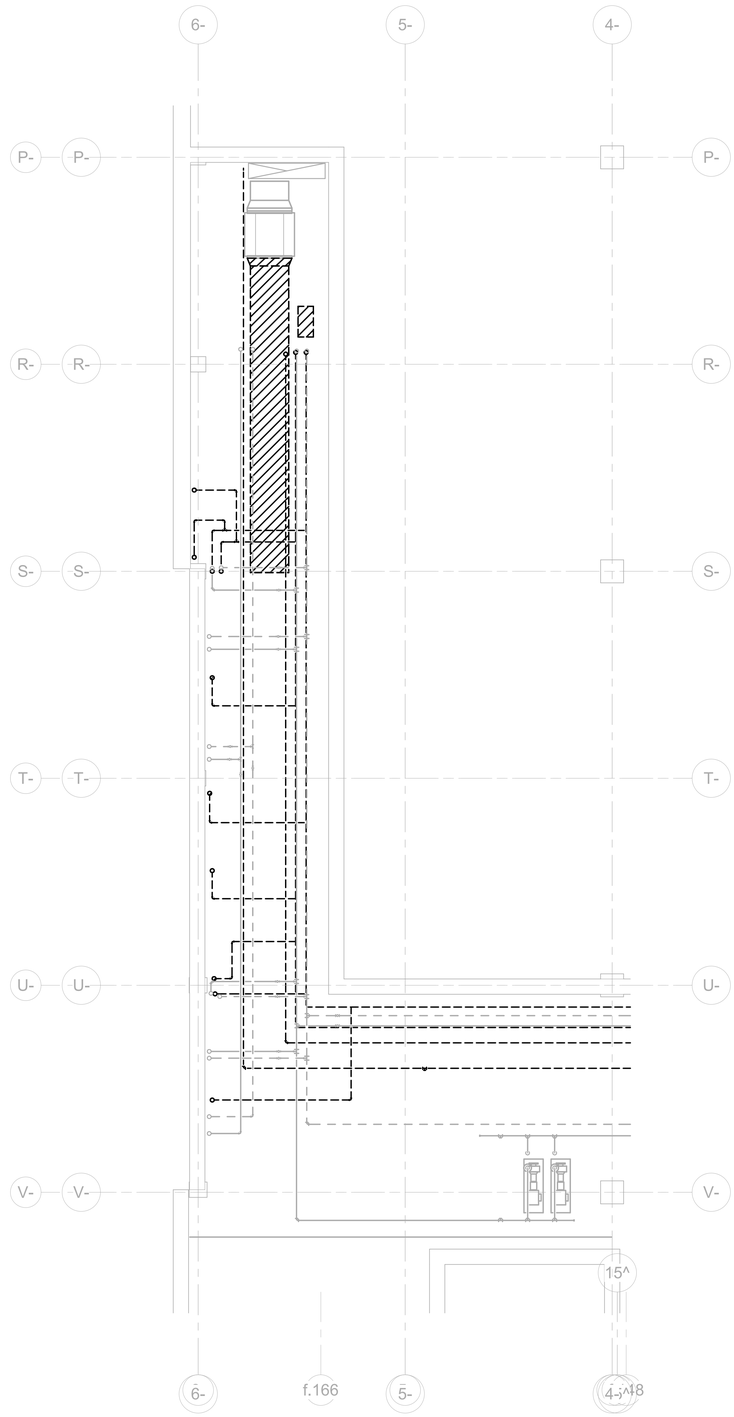
J-M2.1

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NORTH 1 TUNNEL MECHANICAL DEMOLITION PLAN - OVERALL
1/32" = 1'-0"



NORTH 2 ENLARGED TUNNEL MECHANICAL DEMOLITION PLAN - AREA A1
1/4" = 1'-0"

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CONSULTANTS:

EAHS MECHANICAL IMPROVEMENTS
EAST AURORA SCHOOL DISTRICT #131
500 TOMCAT LN.
AURORA, IL 60506

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CC JOB NUMBER 261012

DATE 10.01.2026

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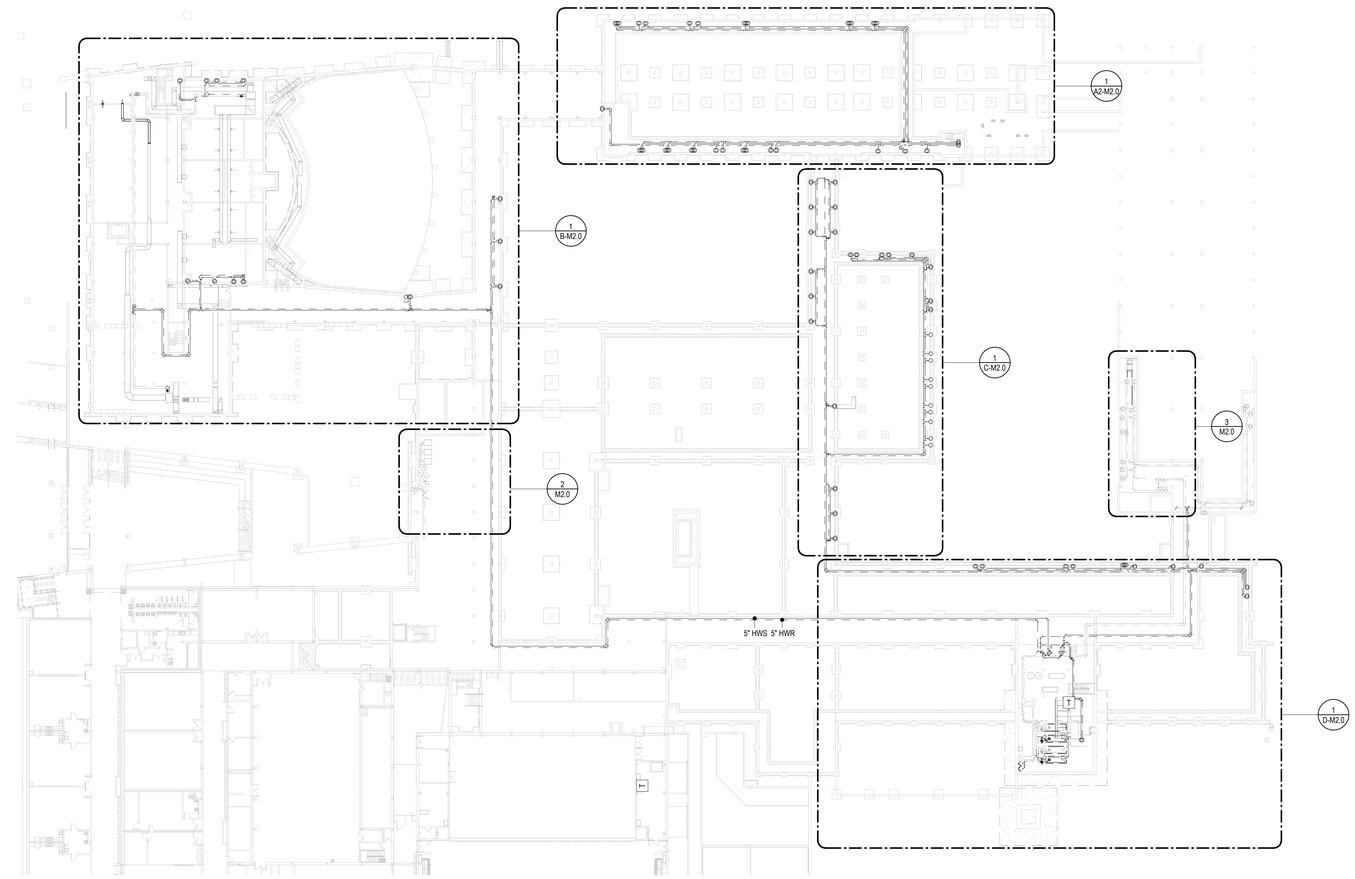
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DRAWING TITLE:
TUNNEL MECHANICAL DEMOLITION PLAN - OVERALL

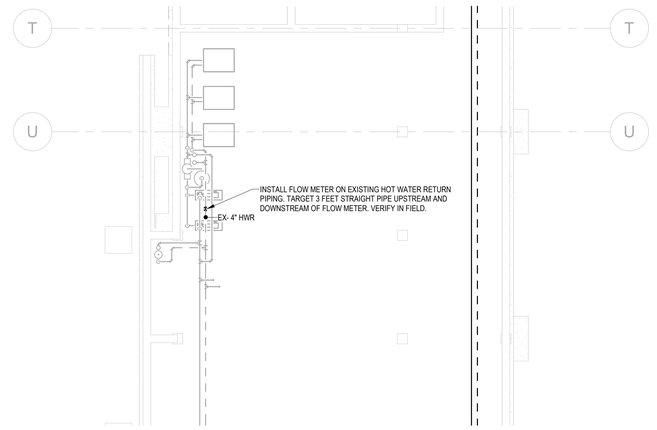
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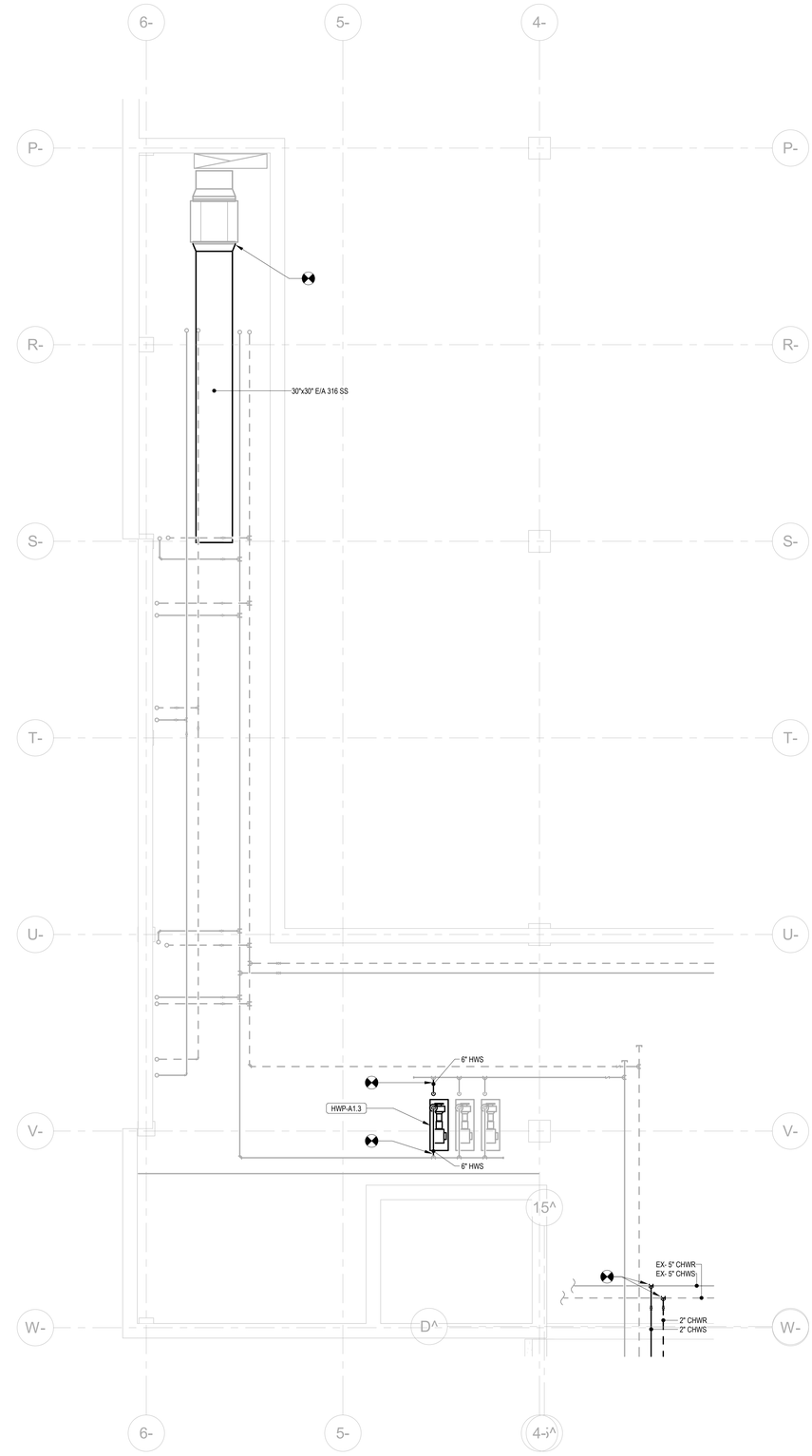
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NORTH 1 TUNNEL MECHANICAL PLAN - OVERALL
1/32" = 1'-0"



NORTH 2 TUNNEL MECHANICAL PLAN - AREA C
1/8" = 1'-0"



NORTH 3 ENLARGED TUNNEL MECHANICAL PLAN - AREA A1
1/4" = 1'-0"

CORDOGAN CLARK
ARCHITECTURE • ENGINEERING • CONSTRUCTION

ARCHITECT:

CONSULTANTS:

EA

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#	Description	Date

DRAWING TITLE:
TUNNEL MECHANICAL PLAN - OVERALL

M2.0

ISSUED FOR BID SET - 10.01.2026

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GENERAL MECHANICAL NOTES

1. IT IS THE INTENT OF THESE DRAWINGS AND ATTACHED ARCHITECTURAL AND MECHANICAL SPECIFICATIONS THAT THE CONTRACTOR SHALL PROVIDE, DELIVER, AND INSTALL ALL HEATING, VENTILATING AND AIR-CONDITIONING SYSTEMS, DUCTWORK, DIFFUSERS, REGISTERS, GRILLES, LOUVERS, LINING, INSULATION, EXHAUST AIR SYSTEMS, ACCESSORIES, TEMPERATURE CONTROL SYSTEMS, SPECIALTIES, PIPING AND WIRING. WATER SYSTEMS AND DISTRIBUTION PIPING, TOOLS AND EQUIPMENT FOR COMPLETE INSTALLATION OF ALL H.V.A.C. SYSTEMS, GUARANTEE AND SERVICE.
2. THIS CONTRACTOR SHALL BE RESPONSIBLE TO INSTALL ALL ITEMS SPECIFIED USING CONSTRUCTION METHODS THAT WILL PROTECT AT ALL TIMES PROPERTY AND PREVENT BODILY INJURY AND/OR DEATH. SPECIAL ATTENTION AND PRECAUTION SHALL BE PAID BY THE CONTRACTOR IN SELECTING THE SAFEST METHODS OR MEANS FOR THE INSTALLATION.
3. THIS ARCHITECT/ENGINEER HAS NO CONTRACTUAL DUTY TO CONTROL THE SAFEST METHODS OR MEANS OF THE WORK, JOB SITE RESPONSIBILITIES, SUPERVISION, OR TO SUPERVISE SAFETY AND DID NOT VOLUNTARILY ASSUME ANY SUCH DUTY OR RESPONSIBILITY.
4. ALL MECHANICAL WORK SHALL BE EXECUTED IN STRICT ACCORDANCE WITH FEDERAL, STATE, AND LOCAL CODES, ACCEPTED BY THE ARCHITECT AND LEFT IN PERFECT OPERATING CONDITION.
5. CONTRACTOR SHALL OBTAIN AND PAY ALL FEES AND PERMITS TO ALL PRIVATE AND PUBLIC AGENCIES HAVING JURISDICTION OVER THE PROJECT.
6. CONTRACTOR SHALL CONSULT AND CHECK AT ALL TIMES THE LATEST ARCHITECTURAL, ELECTRICAL, PLUMBING AND EQUIPMENT DRAWINGS FOR EXACT LOCATION OF EACH DIFFUSER, REGISTER, GRILLE, LOUVER, DUCT AND EQUIPMENT.
7. AFTER COMPLETION OF THE PROJECT, SUBMIT THREE SETS OF "AS BUILT", SHOP DRAWINGS AND ALL MANUFACTURER'S WARRANTIES, GUARANTIES AND INSTRUCTIONS OF ALL INSTALLED SYSTEMS AND EQUIPMENT PROPERLY BOUND AND LABELED FOR THIS PROJECT. PROVIDE SERVICE CONTACT INFORMATION AND WARRANTY LETTER FROM MECHANICAL INSTALLER ON THE COVER SHEET OF THE MANUALS.
8. CONTRACTOR SHALL NOT ROUTE DUCTWORK OVER ELECTRICAL PANELS.
9. CONTRACTOR SHALL ROUTE ALL DUCTWORK TIGHT TO STRUCTURE ABOVE IN EXPOSED CEILINGS.
10. CONTRACTOR SHALL PROVIDE CAULK AROUND ALL PIPES AND DUCTWORK AT ALL WALL PENETRATIONS.
11. CONTRACTOR SHALL PROVIDE ALL SUPPLY / RETURN / EXHAUST DIFFUSERS AND GRILLES WITH VOLUME DAMPERS AT BRANCH TAKE-OFF.
12. PROVIDE BALANCING DAMPERS AT DUCT BRANCH TAKE-OFFS AS REQUIRED FOR SYSTEM BALANCING.
13. PROVIDE SHUTOFF VALVES AT ALL HYDRONIC PIPING BRANCH TAKE-OFFS.
14. FOR CLARITY, THESE DOCUMENTS DO NOT NECESSARILY SHOW EVERY OFFSET, FITTING, VALVE, ETC.
15. UNLESS OTHERWISE NOTED ON THE ARCHITECTURAL DRAWINGS, CONTRACTOR SHALL CUT, PATCH, AND MATCH EXISTING BUILDING CONSTRUCTION TO REMOVE AND INSTALL WORK AS REQUIRED.
16. PRIOR TO MECHANICAL EQUIPMENT SUBMITTALS, THE MECHANICAL CONTRACTOR, TEMPERATURE CONTROLS CONTRACTOR, AND EQUIPMENT MANUFACTURER SHALL COORDINATE TO ENSURE ALL SYSTEMS ARE USING THE SAME COMMUNICATION PROTOCOL.
17. ALL MATERIAL SHALL COMPLY WITH THE REQUIREMENTS OF SECTION IMC SECTION 602.
18. PROVIDE A 25 PSI AIR TEST AS REQUIRED ON GAS PIPING AT TIME OF ROUGH INSPECTION.
19. PAINT EXTERIOR GAS PIPING WITH ALKYD SYSTEM MPI EXT 5.1D AND PROVIDE DURA-BLOK SUPPORTS.
20. CONTRACTOR SHALL PROVIDE DYNAMIC FIRE DAMPERS AND ACCESS DOORS AT ALL FIRE RATED WALL OR FLOOR PENETRATIONS AS REQUIRED PER IMC.
21. PROVIDE TEST AND BALANCE REPORT.
22. MECHANICAL CONTRACTOR TO OBTAIN BUILDING GAS LOAD AND SUBMIT ALL REQUIRED PAPERWORK TO GAS UTILITY.
23. PROVIDE SMOKE DETECTOR IN RETURN DUCT FOR AIR HANDLING EQUIPMENT 2000 CFM AND GREATER. PROVIDE SMOKE DETECTORS IN BOTH SUPPLY AND RETURN DUCTS FOR AIR HANDLING EQUIPMENT 15,000 CFM AND GREATER. DETECTORS TO BE PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR AND WIRED BY ELECTRICAL CONTRACTOR.
24. MECHANICAL CONTRACTOR TO PREPARE AND SUBMIT FORMS FOR REBATES AVAILABLE FOR NEW MECHANICAL EQUIPMENT VIA ENERGY UTILITY'S INCENTIVE PROGRAM.
25. WHERE NEW MECHANICAL EQUIPMENT, DUCTWORK, AND PIPING IS CONNECTED TO EXISTING MECHANICAL SYSTEMS, PROVIDE TRANSITIONS AS REQUIRED TO MAKE CONNECTIONS.
26. MECHANICAL CONTRACTOR TO REMOVE ALL UNUSED PNEUMATIC THERMOSTATS IN AREA OF WORK AND CAP PNEUMATIC TUBING AT POINT OF ENTRY INTO ROOM.
27. UNLESS OTHERWISE NOTED ON ARCHITECTURAL PLANS, PATCH WALLS AT LOCATIONS WHERE THERMOSTATS HAVE BEEN REMOVED TO MATCH EXISTING.
28. MECHANICAL CONTRACTOR TO DRAIN, FLUSH, AND FILL HYDRONIC SYSTEMS AS REQUIRED TO REMOVE AND INSTALL WORK.
29. FLUSH OF THE ENTIRETY OF THE CHILLED WATER SYSTEM ORIGINATING IN AREA H, INCLUDING EXISTING TO REMAIN CHILLED WATER PIPING, IS REQUIRED FOR THIS PROJECT. FLUSH TO BE COMPLETED PRIOR TO INSTALLATION OF NEW PIPING AND EQUIPMENT.
30. MECHANICAL CONTRACTOR TO COORDINATE WITH TEMPERATURE CONTROL CONTRACTOR REGARDING INSTALLATION OF SENSORS AND CONTROL DEVICES IN BOTH EXISTING AND NEW MECHANICAL SYSTEMS. REFER TO TEMPERATURE CONTROL DETAILS FOR MORE INFORMATION.
31. EXISTING PIPING IS BEING REUSED AS PART OF THIS PROJECT. SIZES OF EXISTING PIPING HAVE BEEN INDICATED USING EXISTING DOCUMENTATION. IF EXISTING PIPE SIZES ARE FOUND TO BE OTHER THAN INDICATED, CONTRACTOR TO NOTIFY ENGINEER FOR DIRECTION.

ROOFTOP UNIT SCHEDULE - PURCHASED BY CO-OP

TAG	SERVICE	SUPPLY FAN				EXHAUST FAN				DX COOLING					REHEAT			GAS HEATING			ELECTRICAL			OA CFM	WEIGHT (LBS.)	EER	MFR.	MODEL	NOTES
		CFM	E.S.P.	BHP/HP	FAN CONTROL	CFM	E.S.P.	BHP/HP	FAN CONTROL	TOT. MBH	SENS. MBH	EAT DB/WB	STAGES	LAT DB/WB	MBH	STAGES	LAT	MBH IN / OUT	TURNDOWN	LAT	VOLT.	MCA	MOCP						
DOAS-D	AREA D VENTILATION	900	0.75	0.28 / 0.5	CAV	NA	NA	NA	NA	75.2	37.9	95 / 78	MOD	52.7 / 52.4	37.1	MOD	92.7	100 / 81	16:1	72.3	208 / 3	34.2	50	900	1,600	8 ISMRE2	VALENT	VX-12-6J-C-E3	1,2
MAU-D-150	AUTO SHOP	1,200	0.375	0.2 / 0.5	CAV	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	150 / 121.5	12:1	82.7	208 / 3	3.9	15	1,200	1,300	NA	VALENT	VX-12-0-E-E1	2,5
MAU-WELD	WELDING	10,000	0.375	2.52 / 4	CAV	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1200 / 972	10:1	78.9	208 / 3	23	25	10,000	4,250	NA	VALENT	VX-312-0-T-E1	2,5
RTU-B-STAGE	AREA B STAGE	5,000	1	1.8 / 3	SZVAV	NA	NA	NA	NA	179	131	80 / 67	MOD	57.3 / 55.9	NA	NA	NA	250 / 202.5	10:1	107	460 / 3	48	70	1,000	3,000	12.4	TRANE	YZK180	3,4
RTU-C-OFC	AREA C OFFICE	4,095	1.6	2.41 / 3	VAV	2,900	0.5	0.84 / 1.5	PRESSURE	147	105	79 / 67	MOD	55.1 / 55.1	NA	NA	NA	200 / 160	10:1	86	460 / 3	32.6	40	900	4,000	10.7	TRANE	OADG012	1,2
RTU-D-141	AREA D 141	1,850	0.75	0.6 / 3	SZVAV	NA	NA	NA	NA	73	52	81 / 68	MOD	58 / 56.7	39	MOD	72	150 / 121.5	10:1	101.6	208 / 3	42	60	585	1,500	12.5	TRANE	YZK072	2,6
RTU-D-143	AREA D 143	1,850	0.75	0.6 / 3	SZVAV	NA	NA	NA	NA	73	52	81 / 68	MOD	58 / 56.7	39	MOD	72	150 / 121.5	10:1	101.6	208 / 3	42	60	585	1,500	12.5	TRANE	YZK072	2,6
RTU-D-150	AUTO SHOP CLASS RM.	1,200	0.75	0.28 / 3	SZVAV	NA	NA	NA	NA	46.8	30.7	81 / 67.7	MOD	54.6 / 53	39	MOD	77	100 / 81	2:1	105	208 / 3	35	50	360	1,500	14.3	TRANE	YZK048	2,6

NOTES

1	GAS/DX RTU, DOUBLE WALL R13 FOAM INSULATED CABINET WITH THERMAL BREAKS, TOOL-LESS ACCESS DOORS, VARIABLE SPEED DIRECT DRIVE FANS, REFERENCE ENTHALPY ECONOMIZER WITH FDD, STAINLESS STEEL DRAIN PAN, STAINLESS STEEL HEAT EXCHANGER, VARIABLE SPEED CONDENSER FANS WITH HEAD PRESSURE CONTROL, CONVENIENCE OUTLET, HAIL GUARDS, MERV 8 PREFILTERS, MERV 13 FINAL FILTERS, BACNET INTERFACE, DISCONNECT.
2	VERTICAL DISCHARGE, PROVIDE INSULATED VIBRATION ISOLATION CURB.
3	HORIZONTAL DISCHARGE GAS/DX RTU, TOOL-LESS ACCESS DOORS, VARIABLE SPEED DIRECT DRIVE FANS, REFERENCE ENTHALPY ECONOMIZER WITH FDD, STAINLESS STEEL DRAIN PAN, STAINLESS STEEL HEAT EXCHANGER, CONVENIENCE OUTLET, HAIL GUARDS, MERV 8 PREFILTERS, MERV 13 FINAL FILTERS, BACNET INTERFACE, DISCONNECT.
4	INSULATED 18" ROOF CURB.
5	INDIRECT GAS FIRED MAKEUP AIR UNIT, DOUBLE WALL FOAM INSULATED CABINET, TOOL-LESS ACCESS DOORS, VARIABLE SPEED DIRECT DRIVE FANS, STAINLESS STEEL HEAT EXCHANGER, CONVENIENCE OUTLET, MERV 8 FILTERS, BACNET INTERFACE, DISCONNECT.
6	GAS/DX RTU, TOOL-LESS ACCESS DOORS, VARIABLE SPEED DIRECT DRIVE FANS, REFERENCE ENTHALPY ECONOMIZER WITH FDD, STAINLESS STEEL DRAIN PAN, STAINLESS STEEL HEAT EXCHANGER, CONVENIENCE OUTLET, HAIL GUARDS, MERV 8 PREFILTERS, MERV 13 FINAL FILTERS, BACNET INTERFACE, DISCONNECT.

GRILLE AND DIFFUSER SCHEDULE - PURCHASED BY MECHANICAL CONTRACTOR

TAG	DESCRIPTION	SIZE	MATERIAL	DAMPER	FINISH	MFR	MODEL
A	24X24 PLAQUE FACE SUPPLY DIFFUSER WITH EQUALIZING GRID	VARIES	STEEL	NO	WHITE	TITUS	OMNI
B	PERFORATED FACE RETURN DIFFUSER. 24X24 FACE, SEE PLANS FOR NECK SIZES. PROVIDE LIGHT SHIELD FOR DIFFUSERS NOT CONNECTED TO DUCTWORK	VARIES	STEEL	NO	WHITE	TITUS	PAR
C	SINGLE DEFLECTION RETURN GRILLE, 0.75" SPACING, LONG BLADE	VARIES	STEEL	NO	WHITE	TITUS	350RL
DG	DOOR GRILLE, 20 GAUGE STEEL, SIGHT PROOF, LONG BLADE	VARIES	STEEL	NO	BLACK	TITUS	T-700L
DL	DRUM LOUVER, VERTICAL VANES	VARIES	ALUMINUM	NO	WHITE	TITUS	DL
E	ROUND DIFFUSER, HORIZONTAL DISCHARGE, SET AT POSITION 1 OF 2	VARIES	STEEL	NO	WHITE	TITUS	TMR
F	LINEAR SUPPLY DIFFUSER, 3 SLOT @ 1", DOWNWARD THROW, INSULATED PLENUM BOX, 10" INLET, TRIM FOR ACT CEILING MOUNT	4'	ALUMINUM	NO	WHITE	TITUS	TBDI-80
G	LINEAR SUPPLY DIFFUSER, 1 SLOT @ 2", DOWNWARD THROW, INSULATED PLENUM BOX, 12" INLET, TRIM FOR DRYWALL CEILING MOUNT WITH EXPOSED FLANGE	5'	ALUMINUM	NO	WHITE	TITUS	FL-15
H	DOUBLE DEFLECTION SUPPLY GRILLE, 0.75" SPACING, SHORT BLADE	VARIES	STEEL	NO	WHITE	TITUS	300RS
LV	WIND DRIVEN RAIN LOUVER, ALUMINUM BIRDSCREEN, ARCHITECT TO SELECT COLOR. CONTRACTOR TO VERIFY LOUVER DIMENSIONS PRIOR TO ORDER.	VARIES	ALUMINUM	NO	70% KYNAR	RUSKIN	EME520DD

EXHAUST FAN SCHEDULE - PURCHASED BY MECHANICAL CONTRACTOR

TAG	CFM - DESIGN	E.S.P	HP	DRIVE	RPM	VOLT.	MFR	MODEL	TYPE	CONTROL	INTERLOCK	NOTES
EF-139	275	0.375	0.125	DIRECT (EC)	1269	120 / 1	COOK	100 ACEL	ROOF - DOWNBLAST	BAS - SCHEDULE		1
EF-A2-2.01	2550	1	1	DIRECT (EC)	1018	208 / 3	COOK	210 SQND-HP	INLINE	BAS - SCHEDULE		2,4,5
EF-A2-2.02	4000	0.375	1	DIRECT (EC)	660	208 / 3	COOK	225 SQND	INLINE	BAS - PRESSURE		4,6
EF-A2-2.03	250	0.375	0.125	DIRECT (EC)	1488	120 / 1	COOK	090 SQNL	INLINE	BAS - SCHEDULE		2,3
EF-A2-2.04	2550	0.625	1	DIRECT (EC)	940	208 / 3	COOK	180 SQND	INLINE	BAS - SCHEDULE		2,4
EF-A2-209.1	300	0.375	0.125	DIRECT (EC)	1421	120 / 1	COOK	090 SQNH	INLINE	BAS - SCHEDULE		2,3
EF-A2-ST-1	150	0.375	0.125	DIRECT (EC)	1278	120 / 1	COOK	090 SQNL	INLINE	BAS - SCHEDULE		2,3
EF-AUTO.1	1800	4	3	BELT		208 / 3	CARMON		UTILITY SET	BAS - SWITCH	EF-AUTO.3	9
EF-AUTO.2	75	0.25	0.013	DIRECT (EC)	738	120 / 1	COOK	GCVF-180	CEILING	BAS - SCHEDULE		7
EF-AUTO.3	500	0.375	0.125	DIRECT (EC)	1281	120 / 1	COOK	101 ACED	ROOF - DOWNBLAST	BAS - SCHEDULE	EF-AUTO.1	1
EF-B-1.01	400	0.375	0.5	DIRECT (EC)	1222	208 / 1	COOK	80 CPS	UTILITY SET	BAS - SCHEDULE		10
EF-BOIL.1	750	0.25	0.125	DIRECT (EC)	918	120 / 1	COOK	120 ACED	ROOF - DOWNBLAST	BAS - SCHEDULE		1,8
EF-BOIL.2	2000	0.25	0.5	DIRECT (EC)	565	208 / 1	COOK	195 ACED	ROOF - DOWNBLAST	BAS - TEMPERATURE	OA DAMPER	1,8
EF-BOIL.3	300	0.5	0.125	DIRECT (EC)	1436	120 / 1	COOK	100 ACEL	ROOF - DOWNBLAST	BAS - SCHEDULE		1
EF-D-1.8	800	0.5	0.33	DIRECT (EC)	1757	120 / 1	COOK	101 ACED	ROOF - DOWNBLAST	BAS - SCHEDULE		1
EF-WELD.1	3500	3	5	BELT		208 / 3	CARMON		UTILITY SET	BAS - SWITCH		9
EF-WELD.2	2800	3	3	BELT		208 / 3	CARMON		UTILITY SET	BAS - SWITCH		9
EF-WELD.3	4900	3	5	BELT		208 / 3	CARMON		UTILITY SET	BAS - SWITCH		9
EF-WELD.4	500	0.375	0.125	DIRECT (EC)	1281	120 / 1	COOK	101 ACED	ROOF - DOWNBLAST	BAS - SCHEDULE		1
EF-B-N	2000	0.5	0.5	DIRECT (EC)	1281	208 / 1	COOK	150 CPS	UTILITY SET	BAS - SCHEDULE		10
RF-B-N	17880	0.625	7.5	DIRECT (VFD)	856	208 / 3	COOK	330 CPS	UTILITY SET	BAS - SCHEDULE	AHU-B-N	10
RF-B-S	17880	0.625	7.5	DIRECT (VFD)	856	208 / 3	COOK	330 CPS	UTILITY SET	BAS - SCHEDULE	AHU-B-S	10

NOTES

1	ROOF MOUNTED EXHAUST FAN, ALL ALUMINUM, BIRDSCREEN, BACKDRAFT DAMPER, HINGED BASE, 18" INSULATED ROOF CURB WITH DAMPER TRAY, MOTOR MOUNTED SPEED CONTROL, DISCONNECT.
2	INLINE EXHAUST FAN, BACKDRAFT DAMPER, MOTOR MOUNTED SPEED CONTROL, DISCONNECT.
3	RUBBER IN SHEAR VIBRATION ISOLATORS
4	SPRING VIBRATION ISOLATORS
5	SINGLE SIDE DISCHARGE PACKAGE
6	INLINE EXHAUST FAN, BACKDRAFT DAMPER, 0-10VDC EXTERNAL SPEED CONTROL FOR USE WITH BAS, DISCONNECT.
7	CEILING MOUNTED EXHAUST FAN, WHITE ALUMINUM GRILLE, BACKDRAFT DAMPER, MOTOR MOUNTED SPEED CONTROL, DISCONNECT
8	IN LIEU OF 18" INSULATED ROOF CURB, PROVIDE 24" INSULATED ROOF CURB WITH INTEGRAL SOUND ATTENUATOR, DAMPER TRAY. ASSOCIATED FAN TO HAVE HINGED BASE.
9	UTILITY SET EXHAUST FAN, 24" DISCHARGE EXTENSION WITH 45 DEG BEVEL, DISCHARGE SHUTTER, TEFC MOTOR, WEATHER COVER, SHAFT SEAL & RUB RING, CONCENTRIC LOCKING BEARINGS, ISOLATION RAILS & ISOLATORS, NEMA 3R PRE-WIRED DISCONNECT
10	UTILITY SET EXHAUST FAN, TEFC MOTOR WITH GUARD, MOTOR MOUNTED SPEED CONTROL, DISCONNECT.

GRAVITY VENTILATOR SCHEDULE - PURCHASED BY MECHANICAL CONTRACTOR

TAG	THROAT VEL (FPM)	FREE AREA (FT2)	CFM	TYPE	SERVICE	MFR	MODEL	NOTES
GV-A2-209.1	352	2.04	300	DUCTED	EXHAUST	COOK	12 PR	1

NOTES

1	GRAVITY VENT, ALL ALUMINUM, ALUMINUM INSECT SCREEN, INSULATED 18" ROOF CURB WITH DAMPER TRAY, HINGED BASE. PROVIDE ROOF CURB FOR PITCHED ROOF - VERIFY PITCH IN FIELD

GAS FIRED UNIT HEATER SCHEDULE - PURCHASED BY MECHANICAL CONTRACTOR

TAG	MBH INPUT	MBH OUTPUT	CFM	VOLT	HP	MFR	MODEL	LOCATION	NOTES
UH-AUTO	250	200	3995	120 / 1	0.33	MODINE	PTS	D	1

NOTES

1	PROPELLER UNIT HEATER, SEPARATED COMBUSTION, CONCENTRIC VENT KIT, FAN GUARD, DISCONNECT

DESTRATIFICATION FAN SCHEDULE - PURCHASED BY CO-OP

TAG	DESIGN CFM	MAX CFM	SOUND POWER	DRIVE	WATTS	VOLT.	MFR	MODEL	CONTROL	NOTES
DS-BOIL.1	800	1600	56	DIRECT (EC)	120	120 / 1	ZOOFANS	H60-EC	BAS-GROUP 1	1
DS-BOIL.2	800	1600	56	DIRECT (EC)	120	120 / 1	ZOOFANS	H60-EC	BAS-GROUP 1	1
DS-BOIL.3	800	1600	56	DIRECT (EC)	120	120 / 1	ZOOFANS	H60-EC	BAS-GROUP 1	1

NOTES

1	HOUSED DESTRATIFICATION FAN, COMPOSITE CONSTRUCTION, SAFETY TETHER, EXHAUST SAFETY GRILLE, 0-10VDC SPEED CONTROL, DISCONNECT. COLOR: WHITE

PTAC - PURCHASED BY MECHANICAL CONTRACTOR

TAG	CFM	MIN COOL MBH	MAX COOL MBH	MIN HEAT MBH	MAX HEAT MBH	ELECTRIC HEAT KW	VOLTAGE	MCA	UNIT WATTS	MFR	MODEL	CONTROL	NOTES
PTAC-090	441	6.1	15.5	6	14	3.5	208 / 1	19.9	3600	FRIEDRICH	PVH12K3FC	BAS - SCHEDULE	ALL

NOTES

1	PTAC, INVERTER COMPRESSOR, HEAT PUMP COOLING & HEATING WITH SUPPLEMENTAL ELECTRIC HEAT, INTEGRATED MAKEUP AIR SECTION,
2	PROVIDE WITH WALL SLEEVE, LOUVER, WIRED THERMOSTAT, AND ALL ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION.
3	NO SUBSTITUTIONS

GAS FIRED INFRARED HEATER SCHEDULE - PURCHASED BY MECHANICAL CONTRACTOR

TAG	MBH INPUT	TUBE LENGTH	VOLT	HP	MFR	MODEL	LOCATION	CONTROL	NOTES
IR-AUTO	150	50	120 / 1	0.3	MODINE	IPT-150	D	BAS - SCHEDULE	1

NOTES

1	GAS FIRED INFRARED HEATER, STRAIGHT TUBE, 2 STAGE, DUCTED COMBUSTION AIR KIT. INCLUDE ALL REFLECTORS, MOUNTING HARDWEAR, TURBULATORS, ETC. REQUIRED FOR A COMPLETE INSTALLATION.

ELECTRIC HEATER SCHEDULE - PURCHASED BY CO-OP

TAG	KW	MBH	ELECTRICAL		MFR.	MODEL	NOTES
			VOLTAGE	AMPS			
HT-B-N	3.7	13	208 / 1	24	QMARK	MUH05-81	1
HT-B-S	3.7	13	208 / 1	24	QMARK	MUH05-81	1

NOTES

1	ELECTRIC UNIT HEATER, WALL/CEILING MOUNTING BRACKET, LOW VOLTAGE CONTROL RELAYS, DISCONNECT.

DUCT INSULATION SCHEDULE

DUCT TYPE	INSULATION TYPE	R-VALUE
AREA A2		
EXHAUST DUCT	SEE NOTE	-
RETURN - RECTANGULAR	1" LINER	4.2
RETURN - ROUND	1.5" WRAP	4.2
SUPPLY - RECTANGULAR	1" LINER	4.2
SUPPLY - ROUND	1.5" WRAP	4.2
AREA B		
DUCT TYPE	INSULATION TYPE	R-VALUE
EXHAUST DUCT	SEE NOTE	-
EXTERIOR DUCT (INSULATION LISTED IS IN ADDTION TO INSULATION PER SYSTEM TYPE)	POLYISO W/ ALUMAGUARD WRAP	R12
RETURN - RECTANGULAR	1" LINER	4.2
RETURN - ROUND	1.5" WRAP	4.2
SUPPLY - RECTANGULAR	1" LINER	4.2
SUPPLY - ROUND	1.5" WRAP	4.2
OUTSIDE AIR - DOUBLE WALL	1"	4.2
AREA C		
DUCT TYPE	INSULATION TYPE	R-VALUE
RELIEF AIR	0.5" LINER	NA
RETURN - RECTANGULAR	1" LINER	4.2
RETURN - ROUND	1.5" WRAP	4.2
SUPPLY - RECTANGULAR - LOW PRESSURE	1" LINER	4.2
SUPPLY - RECT. - MED PRES. BRANCH	1.5" WRAP	4.2
SUPPLY - RECT. - MED PRES. MAIN - DBL. WALL	1" LINER	4.2
SUPPLY - ROUND	1.5" WRAP	4.2
AREA D		
DUCT TYPE	INSULATION TYPE	R-VALUE
EXHAUST DUCT	SEE NOTE	-
RETURN - RECTANGULAR - CONCEALED	1.5" LINER	6
RETURN - ROUND - CONCEALED	2.2" WRAP	6
SUPPLY - OVAL & ROUND - EXPOSED	1" LINER	4.2
SUPPLY - RECTANGULAR - CONCEALED	1.5" LINER	6
SUPPLY - ROUND - CONCEALED	2.2" WRAP	6
SUPPLY - ROUND - EXPOSED	1" LINER	4.2

INSULATION SHALL HAVE A FLAME SPREAD INDEX NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84 OR UL 723. WRAP INSULATION TO HAVE INTEGRAL VAPOR BARRIER.

DUCT SIZES SHOWN ON PLANS ARE SHEETMETAL SIZES. DO NOT INCREASE FOR DUCT LINER.

EXTERIOR DUCT: BOARD INSULATION IS IN ADDITION TO LINER INDICATED FOR SYSTEM TYPE

REFER TO PLANS FOR EXHAUST DUCTS REQUIRING DUCT LINER. FIRST 6' OF UNLINED EXHAUST DUCTS FROM EXTERIOR TO HAVE R6* WRAP INSULATION.

REFER TO PLANS FOR DOUBLE WALL DUCT. DOUBLE WALL DUCT TO HAVE 1" LINER WITH PERFORATED METAL INNER SHELL AND MYLAR FILM. PLAN INDICATION OF DOUBLE WALL DUCT TAKES PRECEDENCE OVER THIS SCHEDULE.

9/30/2026 5:45:17 PM

CORDOGAN CLARK
ARCHITECTURE • ENGINEERING • CONSTRUCTION

ARCHITECT:

CONSULTANTS:

EAHS MECHANICAL IMPROVEMENTS
EAST AURORA SCHOOL DISTRICT #131
500 TOMCAT LN.
AURORA, IL 60506

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CC JOB NUMBER 261012

DATE 10.01.2026

REVISIONS:

#	Description	Date
1		

ISSUED FOR BID SET - 10.01.2026

DRAWING TITLE:
MECHANICAL SCHEDULES

M4.0

AIR HANDLING UNIT SCHEDULE - PURCHASED BY CO-OP

TAG	SERVICE	SUPPLY FAN				HOT WATER PREHEAT					CHILLED WATER COOLING						HOT WATER REHEAT					ELECTRICAL - AHU			ELECTRICAL - RECEPTACLE			OA CFM (MIN)	OA CFM (DES)	COOL VALVE	PREHEAT VALVE	REHEAT VALVE	WEIGHT (LBS)	MFR.	MODEL	NOTES
		CFM	E.S.P.	BHP / HP	FAN CONTROL	MBH	GPM	EAT	LAT	PRESSURE DROP (FT)	TOT. MBH	SENS. MBH	EAT DB/WB	LAT DB/WB	GPM	PRESSURE DROP (FT)	MBH	GPM	EAT	LAT	PRESSURE DROP (FT)	VOLT.	MCA	MOCP	VOLT.	MCA	MOCP									
AHU-A2-LT	LITTLE THEATRE	4,410	1.25	2.6	SZVAV	263	24	40	95	2.13	192	133	81.6 / 67.8	54.1 / 53.8	43	9.3	96	6.5	50	70	1.6	208 / 3	14.3	25	NA	NA	NA	900	1,800	2-WAY	2-WAY	2-WAY	1,200	TRANE	UCCA	1,3,4
AHU-B-N	AUDITORIUM - NORTH	20,000	2	19.8 / 30	SZVAV	797	40	40	77.7	0.14	750	551	80 / 67	55 / 54.9	108	5.1	542	27	70	95	3.2	460 / 3	51.3	90	120 / 1	10	15	3,000	7,000	3-WAY	3-WAY	3-WAY	8,200	TRANE	CSAA040	1,2,5
AHU-B-S	AUDITORIUM - SOUTH	20,000	2	19.8 / 30	SZVAV	797	40	40	77.7	0.14	750	551	80 / 67	55 / 54.9	108	5.1	542	27	70	95	3.2	460 / 3	51.3	90	120 / 1	10	15	3,000	7,000	3-WAY	3-WAY	3-WAY	8,200	TRANE	CSAA040	1,2,5

NOTES

1	AHU, DOUBLE WALL R13 FOAM INSULATED CABINET WITH THERMAL BREAKS, TOOL-LESS ACCESS DOORS, VARIABLE SPEED DIRECT DRIVE FANS, REFERENCE ENTHALPY ECONOMIZER WITH FDD, STAINLESS STEEL DRAIN PAN, EXTENDED DRAINS AND VENTS, CONVENIENCE OUTLET, MARINE LIGHTS, MERV 8 PREFILTERS, MERV 13 FINAL FILTERS, BACNET INTERFACE, DISCONNECT.
2	COILS: 0.625" DIAMETER, 0.035" WALL THICKNESS. 6" BASE RAIL.
3	COILS: 0.5" DIAMETER. 6" BASE RAIL
4	PROVIDE WITH DUCT MOUNTED HOT WATER REHEAT COIL. MECHANICAL CONTRACTOR TO DETERMINE COIL DIMENSIONS AND HAND.
5	MECHANICAL CONTRACTOR TO COORDINATE HANDING AND SHIPPING SPLITS.

AIR HANDLING UNIT SCHEDULE - EXISTING

TAG	SERVICE	SUPPLY FAN		HOT WATER COIL		OA CFM (DES)	HEATING VALVE	MFR.	MODEL	NOTES
		CFM	E.S.P.	MBH	GPM					
AHU-COST	COSTUME ROOM	4,010	1	125	27	1,400	2-WAY	CARRIER	EXISTING	1
AHU-DRES	DRESSING ROOM	4,200	1	125.7	27.8	1,860	2-WAY	CARRIER	EXISTING	1

NOTES

1	EXISTING AIR HANDLING UNIT. BALANCE AIR AND WATER FLOWS TO VALUES INDICATED IN SCHEDULE.

BLOWER COIL SCHEDULE - PURCHASED BY CO-OP

TAG	SUPPLY FAN			COOLING COIL							HEATING COIL					ELECTRICAL			INTAKE	DISCHARGE	OA CFM	COOL VALVE	HEAT VALVE	COIL PUMP	MFR.	MODEL	NOTES
	NOM. CFM	DES. CFM	ESP	TYPE	TOTAL MBH	SENSIBLE MBH	GPM	PRESSURE DROP (FT)	LDB	LWB	TYPE	TOTAL MBH	GPM	PRESSURED ROP (FT)	LAT	VOLT.	MCA	MOCP									
BC-095.1	1,200	965	0.6	4R	37.2	26.6	5.3	4.7	55	54.6	2R	47	1.45	0.62	95	120 / 1	9.33	15	BACK DUCT	FRONT DUCT	250	2-WAY	2-WAY	YES	TRANE	BCHE036	ALL

NOTES

1	DIRECT DRIVE BLOWER COIL, EC MOTOR, STAINLESS STEEL DRAIN PAN, MERV8 FILTER, BOTTOM ACCESS FILTER SECTION, HIGH CONDENSATE SENSOR, BACNET CONTROLLER, DISCONNECT. MECHANICAL CONTRACTOR TO DETERMINE HAND.

FAN COIL SCHEDULE - PURCHASED BY CO-OP

TAG	SUPPLY FAN	COOLING COIL							HEATING COIL					ELECTRICAL			TYPE	OA CFM - MIN	OA CFM - DES	COOL VALVE	HEAT VALVE	MFR.	MODEL	LOCATION	NOTES
	TYPE	TYPE	TOTAL MBH	SENSIBLE MBH	GPM	PRESSURE DROP (FT)	LDB	LWB	ROWS	TOTAL MBH	GPM	PRESSURED ROP (FT)	LAT	VOLT.	MCA	MOCP										
FC-091.2	FREE DISCHARGE	HC 3 ROW	24.42	16.87	3.48	9.9	54.2	53.58	1	21.53	2	11.55	93.08	120 / 1	4.19	15	VERTICAL EXPOSED	25	50	3-WAY	3-WAY	TRANE	FCBB-060	A2	ALL
FC-092.2	FREE DISCHARGE	HC 3 ROW	21.55	14.62	3.07	7.98	53.17	52.66	1	18.99	1.5	6.97	95.02	120 / 1	4.19	15	VERTICAL EXPOSED	25	50	3-WAY	3-WAY	TRANE	FCBB-060	A2	ALL
FC-092.3	FREE DISCHARGE	HC 3 ROW	21.55	14.62	3.07	7.98	53.17	52.66	1	18.99	1.5	6.97	95.02	120 / 1	4.19	15	VERTICAL EXPOSED	25	50	3-WAY	3-WAY	TRANE	FCBB-060	A2	ALL
FC-092.4	FREE DISCHARGE	HC 3 ROW	21.55	14.62	3.07	7.98	53.17	52.66	1	18.99	1.5	6.97	95.02	120 / 1	4.19	15	VERTICAL EXPOSED	25	50	3-WAY	3-WAY	TRANE	FCBB-060	A2	ALL
FC-093	FREE DISCHARGE	HC 3 ROW	13.4	9.54	1.91	5.87	55.01	54.47	1	15.78	2.2	10.48	91.57	120 / 1	2.44	15	VERTICAL EXPOSED	25	50	2-WAY	2-WAY	TRANE	FCBB-040	A2	ALL
FC-094.1	FREE DISCHARGE	HC 3 ROW	21.55	14.62	3.07	7.98	53.17	52.66	1	18.99	1.5	6.97	95.02	120 / 1	4.19	15	VERTICAL EXPOSED	25	50	2-WAY	2-WAY	TRANE	FCBB-060	A2	ALL
FC-098	FREE DISCHARGE	HC 3 ROW	21.55	14.62	3.07	7.98	53.17	52.66	1	18.99	1.5	6.97	95.02	120 / 1	4.19	15	VERTICAL EXPOSED	25	50	2-WAY	2-WAY	TRANE	FCBB-060	A2	ALL
FC-098.1	FREE DISCHARGE	HC 3 ROW	13.4	9.54	1.91	5.87	55.01	54.47	1	15.78	2.2	10.48	91.57	120 / 1	2.44	15	VERTICAL EXPOSED	25	50	2-WAY	2-WAY	TRANE	FCBB-040	A2	ALL
FC-144.5	FREE DISCHARGE	HC 3 ROW	8.55	6.33	1.31	2.63	56.78	55.97	1	10.78	2.4	10.26	99.78	120 / 1	2.44	15	VERTICAL EXPOSED	10	20	2-WAY	2-WAY	TRANE	FCBB-030	D	ALL
FC-209	FREE DISCHARGE	HC 3 ROW	13.4	9.54	1.91	5.87	55.01	54.47	1	15.78	2.2	10.48	91.57	120 / 1	2.44	15	VERTICAL EXPOSED	25	50	2-WAY	2-WAY	TRANE	FCBB-040	A2	ALL

NOTES

1	FAN COIL, FLOOR MOUNTED, FRONT BAR GRILLE INLET, TOP BAR GRILLE OUTLET, STAINLESS STEEL DRAIN PAN WITH AUX DRAIN PAN, EXTENDED END POCKET - PIPING SIDE, MERV8 FILTER, MODULATING OA DAMPER WITH ECONOMIZER, LOW LIMIT & CONDENSATE OVERFLOW SENSORS, BACNET CONTROLLER, WALLBOX WITH INTEGRATED LOUVER, LOCKING FRONT PANEL WITH KEY ACCESS & SECURED GRILLE, LEVELING FEET, DISCONNECT. MECHANICAL CONTRACTOR TO DETERMINE HAND.
2	PROVIDE PAINTED END PANELS, INSULATED FALSEBACK & SUB-BASE. MECHANICAL CONTRACTOR TO VERIFY FALSEBACK & SUB-BASE CONFIGURATION. SELECT SUB-BASE HEIGHT SO THAT TOP OF FAN COIL IS AS CLOSE TO BOTTOM OF WINDOW AS POSSIBLE.

UNIT VENTILATOR SCHEDULE - PURCHASED BY CO-OP

TAG	SUPPLY FAN		COOLING COIL						HEATING COIL					ELECTRICAL			OA CFM - MIN	OA CFM - DESIGN	COOL VALVE	HEAT VALVE	MFR.	MODEL	LOCATION	NOTES
	NOMINAL CFM	RATED CFM	TYPE	TOTAL MBH	SENSIBLE MBH	GPM	PRESSURE DROP (FT)	LDB	LWB	TYPE	TOTAL MBH	GPM	PRESSURED ROP (FT)	LAT	VOLT.	MCA	MOCP								
UV-091.1	1,000	889	4 row 16 fpi	34.11	23.15	5.18	3.07	56	54.38	1 row 12 fpi	38.58	2.58	3.11	95	120 / 1	4.19	15	50	125	3-WAY	3-WAY	TRANE	VUV	A2	ALL
UV-091.2	1,000	889	4 row 16 fpi	34.11	23.15	5.18	3.07	56	54.38	1 row 12 fpi	38.58	2.58	3.11	95	120 / 1	4.19	15	50	125	3-WAY	2-WAY	TRANE	VUV	A2	ALL
UV-092	750	717	4 row 16 fpi	30.43	18.66	6.1	3.6	56	52.85	1 row 12 fpi	31.1	2.27	1.88	95	120 / 1	4.19	15	50	100	2-WAY	2-WAY	TRANE	VUV	A2	ALL
UV-094	750	717	4 row 16 fpi	30.43	18.66	6.1	3.6	56	52.85	1 row 12 fpi	31.1	2.27	1.88	95	120 / 1	4.19	15	50	100	2-WAY	2-WAY	TRANE	VUV	A2	ALL
UV-142	1,500	1277	Earthwise	57.48	33.27	9.76	9.73	56	51.87	2 row 12 fpi	74.85	2.76	1.86	100	120 / 1	8.38	15	100	425	3-WAY	2-WAY	TRANE	VUV	D	ALL
UV-144	1,500	1277	Earthwise	57.48	33.27	9.76	9.73	56	51.87	2 row 12 fpi	74.85	2.76	1.86	100	120 / 1	8.38	15	100	425	2-WAY	2-WAY	TRANE	VUV	D	ALL
UV-146	1,000	877	Earthwise	34.11	22.84	5.64	5.48	56	54.19	2 row 12 fpi	57.11	1.95	0.53	100	120 / 1	4.19	15	100	360	3-WAY	3-WAY	TRANE	VUV	D	ALL
UV-201	750	717	4 row 16 fpi	30.43	18.66	6.1	3.6	56	52.85	1 row 12 fpi	31.1	2.27	1.88	95	120 / 1	4.19	15	50	150	3-WAY	3-WAY	TRANE	VUV	A2	ALL
UV-202.1	1,000	889	4 row 16 fpi	34.11	23.15	5.18	3.07	56	54.38	1 row 12 fpi	44.36	3.62	5.42	95	120 / 1	4.19	15	100	250	3-WAY	3-WAY	TRANE	VUV	A2	ALL
UV-202.2	1,000	889	4 row 16 fpi	34.11	23.15	5.18	3.07	56	54.38	1 row 12 fpi	44.36	3.62	5.42	95	120 / 1	4.19	15	100	250	3-WAY	3-WAY	TRANE	VUV	A2	ALL
UV-203.1	1,000	889	4 row 16 fpi	34.11	23.15	5.18	3.07	56	54.38	1 row 12 fpi	44.36	3.62	5.42	95	120 / 1	4.19	15	100	250	3-WAY	3-WAY	TRANE	VUV	A2	ALL
UV-203.2	1,000	889	4 row 16 fpi	34.11	23.15	5.18	3.07	56	54.38	1 row 12 fpi	44.36	3.62	5.42	95	120 / 1	4.19	15	100	250	3-WAY	3-WAY	TRANE	VUV	A2	ALL
UV-204.1	1,000	889	4 row 16 fpi	34.11	23.15	5.18	3.07	56	54.38	1 row 12 fpi	44.36	3.62	5.42	95	120 / 1	4.19	15	100	250	2-WAY	2-WAY	TRANE	VUV	A2	ALL
UV-204.2	1,000	889	4 row 16 fpi	34.11	23.15	5.18	3.07	56	54.38	1 row 12 fpi	44.36	3.62	5.42	95	120 / 1	4.19	15	100	250	2-WAY	2-WAY	TRANE	VUV	A2	ALL
UV-205.1	1,000	889	4 row 16 fpi	34.11	23.15	5.18	3.07	56	54.38	1 row 12 fpi	44.36	3.62	5.42	95	120 / 1	4.19	15	100	250	2-WAY	2-WAY	TRANE	VUV	A2	ALL
UV-205.2	1,000	889	4 row 16 fpi	34.11	23.15	5.18	3.07	56	54.38	1 row 12 fpi	44.36	3.62	5.42	95	120 / 1	4.19	15	100	250	2-WAY	2-WAY	TRANE	VUV	A2	ALL
UV-206	1,250	1130	4 row 16 fpi	52.03	30.65	11.11	8.02	56	53.37	1 row 12 fpi	62.52	5.04	11.48	95	120 / 1	8.38	15	125	375	2-WAY	2-WAY	TRANE	VUV	A2	ALL
UV-207	1,250	1130	4 row 16 fpi	52.03	30.65	11.11	8.02	56	53.37	1 row 12 fpi	62.52	5.04	11.48	95	120 / 1	8.38	15	125	375	2-WAY	2-WAY	TRANE	VUV	A2	ALL
UV-208	1,500	1352	4 row 12 fpi	66.24	37.7	11.38	8.23	56	52.66	1 row 12 fpi	77.75	4.91	12.36	95	120 / 1	8.38	15	125	450	2-WAY	2-WAY	TRANE	VUV	A2	ALL
UV-211	1,250	1130	4 row 16 fpi	52.03	30.65	11.11	8.02	56	53.37	1 row 12 fpi	62.52	5.04	11.48	95	120 / 1	8.38	15	125	375	2-WAY	2-WAY	TRANE	VUV	A2	ALL
UV-212	1,500	1352	4 row 12 fpi	66.24	37.7	11.38	8.23	56	52.66	1 row 12 fpi	77.75	4.91	12.36	95	120 / 1	8.38	15	125	450	2-WAY	2-WAY	TRANE	VUV	A2	ALL
UV-213	750	717	4 row 16 fpi	30.43	18.66	6.1	3.6	56	52.85	1 row 12 fpi	33.44	2.67	2.5	95	120 / 1	4.19	15	50	150	2-WAY	2-WAY	TRANE	VUV	A2	ALL
UV-215	1,250	1130	4 row 16 fpi	52.03	30.65	11.11	8.02	56	53.37	1 row 12 fpi	62.52	5.04	11.48	95	120 / 1	8.38	15	125	375	3-WAY	3-WAY	TRANE	VUV	A2	ALL

NOTES

1	UNIT VENTILATOR, FLOOR MOUNTED, SINGLE DEFLECTION DISCHARGE GRILLE WITH STEEL BARS & WIRE MESH, INSULATED ACCESS PANEL, PIPING POCKETS, PAINTED UNIT END COVERS, WALLBOX WITH INTEGRAL LOUVER, MERV8 FILTER, MODULATING OA DAMPER WITH ECONOMIZER, BACNET CONTROLLER, DISCONNECT. MECHANICAL CONTRACTOR TO DETERMINE HAND.
2	PROVIDE INSULATED FALSEBACK WITH BAFFLE. MECHANICAL CONTRACTOR TO DETERMINE FALSEBACK CONFIGURATION.
3	PROVIDE SUB-BASE TO ELEVATE TOP OF UNIT TO WINDOW SILL HEIGHT. MECHANICAL CONTRACTOR TO DETERMINE SUB-BASE CONFIGURATION.

CABINET UNIT HEATER SCHEDULE - PURCHASED BY CO-OP

TAG	CFM	MBH	GPM	ROWS	EWT	UNIT SIZE	TYPE	INLET	DISCHARGE	WATTS	VOLT	MFR	MODEL	VALVE	LOCATION	NOTES
CUH-201.2	400	25.0	1.55	3	160	030	HORIZONTAL RECESSED	BOTTOM LOUVER	BOTTOM LOUVER	157	120 / 1	TRANE	FFEB0301	2-WAY	A2	ALL
CUH-215.1	400	20.0	0.76	3	160	030	VERTICAL SLOPED TOP	FRONT GRILLE	TOP GRILLE	160	120 / 1	TRANE	FFJB0301	2-WAY	A2	ALL
CUH-A2-0.1	600	50.0	3.97	4	160	060	VERTICAL RECESSED	FRONT LOUVER	FRONT LOUVER	160	120 / 1	TRANE	FFHB0601	2-WAY	A2	ALL
CUH-A2-0.2	1200	70.0	2.3	4	160	100	HORIZONTAL CONCEALED	BACK DUCT	FRONT DUCT	422	120 / 1	TRANE	FFCB1001	3-WAY	A2	ALL
CUH-A2-1	600	40.0	2.29	3	160	060	HORIZONTAL CONCEALED	BACK DUCT	FRONT DUCT	183	120 / 1	TRANE	FFCB0601	2-WAY	A2	ALL
CUH-A2-2	600	30.0	1.05	3	160	060	VERTICAL SLOPED TOP	FRONT GRILLE	TOP GRILLE	150	120 / 1	TRANE	FFJB0601	2-WAY	A2	ALL
CUH-A2-S1	400	30.0	1.92	4	160	030	HORIZONTAL RECESSED	BOTTOM LOUVER	BOTTOM LOUVER	164	120 / 1	TRANE	FFEB0301	2-WAY	A2	ALL
CUH-A2-S2	400	20.0	0.76	3	160	030	HORIZONTAL RECESSED	BOTTOM LOUVER	BOTTOM LOUVER	152	120 / 1	TRANE	FFEB0301	2-WAY	A2	ALL
CUH-D-1.6	400	20.0	0.76	3	160	030	VERTICAL RECESSED	FRONT LOUVER	FRONT LOUVER	152	120 / 1	TRANE	FFHB0301	2-WAY	D	ALL
CUH-D-1.8	400	20.0	0.76	3	160	030	VERTICAL RECESSED	FRONT LOUVER	FRONT LOUVER	152	120 / 1	TRANE	FFHB0301	2-WAY	D	ALL

NOTES

1	CABINET UNIT HEATER, EC MOTOR, BAS INTERFACE, MERV 8 FILTER, DISCONNECT. CONTRACTOR TO DETERMINE HAND.

HYDRONIC UNIT HEATER SCHEDULE - PURCHASED BY CO-OP

TAG	CFM	MBH	GPM	HP	EWT / LWT	VOLT	MFR	MODEL	VALVE	LOCATION	NOTES
UH-A2-2.1	1800	46.5	2.3	0.167	160 / 120	120 / 1	TRANE	S-108	2-WAY	A2	1
UH-A2-2.2	1800	46.5	2.3	0.167	160 / 120	120 / 1	TRANE	S-108	2-WAY	A2	1
UH-BOIL.1	2200	70	3.5	0.3	160 / 120	120 / 1	TRANE	S-180	2-WAY	D	1
UH-BOIL.2	2200	70	3.5	0.3	160 / 120	120 / 1	TRANE	S-180	2-WAY	D	1
UH-B-N	1800	46.5	2.3	0.167	160 / 120	120 / 1	TRANE	S-108	2-WAY	B	1
UH-B-S	1800	46.5	2.3	0.167	160 / 120	120 / 1	TRANE	S-108	2-WAY	B	1
UH-WELD.1	1900	51.7	2.6	0.33	160 / 120	120 / 1	TRANE	S-120	2-WAY	D	1
UH-WELD.2	1900	51.7	2.6	0.33	160 / 120	120 / 1	TRANE	S-120	2-WAY	D	1
UH-WOOD.1	1800	46.5	2.3	0.167	160 / 120	120 / 1	TRANE	S-108	3-WAY	D	1
UH-WOOD.2	1800	46.5	2.3	0.167	160 / 120	120 / 1	TRANE	S-108	3-WAY	D	1

NOTES

1	HORIZONTAL UNIT HEATER, SERPENTINE COIL, PROPELLER FAN WITH GUARD, DISCONNECT.

VAV BOX SCHEDULE - PURCHASED BY CO-OP

TAG	INLET	MAX COOL CFM	MIN CFM	MAX HEAT CFM	APD	COIL ROWS	COIL MBH	COIL GPM	HEAT LAT	MFR	MODEL	VALVE
VAV-115	6	400	120	400	0.43	2R HW	17.35	1.15	95	TRANE	VCWF	2-WAY
VAV-115.01	8	500	150	500	0.28	2R HW	21.69	1.84	95	TRANE	VCWF	2-WAY
VAV-115.03	6	250	75	250	0.19	2R HW	10.85	0.52	95	TRANE	VCWF	2-WAY
VAV-115.04	8	700	210	700	0.48	2R HW	30.37	4.05	95	TRANE	VCWF	3-WAY
VAV-115.06	6	365	110	365	0.36	2R HW	15.83	0.96	95	TRANE	VCWF	2-WAY
VAV-115.07	6	410	123	410	0.45	2R HW	17.79	1.21	95	TRANE	VCWF	2-WAY
VAV-115.08	8	450	135	450	0.24	2R HW	19.52	1.53	95	TRANE	VCWF	2-WAY
VAV-115.09	8	510	153	510	0.29	2R HW	22.12	1.91	95	TRANE	VCWF	2-WAY
VAV-115.10	8	510	153	510	0.29	2R HW	22.12	1.91	95	TRANE	VCWF	3-WAY

NOTES

1	VAV BOX, ULTRA LOW LEAKAGE, BOTTOM ACCESS DOOR, FOIL FACED LINER.
2	EWT / LWT = 160 / 120. MAX AIR PRESSURE DROP FOR BOX IS 0.5". TYPICAL EAT / LAT = 55 / 95.

CORDOGAN CLARK
ARCHITECTURE • ENGINEERING • CONSTRUCTION

ARCHITECT:

CONSULTANTS:

EAHS MECHANICAL IMPROVEMENTS
EAST AURORA SCHOOL DISTRICT #131
500 TOMCAT LN.
AURORA, IL 60506

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CC JOB NUMBER 261012

DATE 10.01.2026

REVISIONS:

#	Description	Date

DRAWING TITLE:
MECHANICAL SCHEDULES

M4.1

ISSUED FOR BID SET - 10.01.2026

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CHILLER SCHEDULE - PURCHASED BY CO-OP

TAG	SERVICE	EVAPORATOR								COMPRESSORS		ELECTRICAL - CHILLER			ELEC - EVAP HEAT		ELEC - BUFFER HEAT		BUFFER TANK (GAL)	PUMP QUANT	PUMP HEAD (FT)	EER	IPLV	WEIGHT (LBS)	MFR.	MODEL	NOTES
		NOM TONS	ACT TONS	MIN GPM	DES GPM	PRES. DROP (FT)	LWT / EWT	FLUID	AMBIENT TEMP	QUANT	CIRCUITS	VOLT.	MCA	MOCP	VOLT.	MOCP	VOLT.	MOCP									
CH-B-EAST	AUDITORIUM	70	67	89	113	12	42 / 57	30% P. GLY	0-125	4	2	460 / 3	156	200	120 / 1	20	120 / 1	20	140	2	90	10.84	16.21	8,000	TRANE	CGAM	ALL
CH-B-WEST	AUDITORIUM	70	67	89	113	12	42 / 57	30% P. GLY	0-125	4	2	460 / 3	156	200	120 / 1	20	120 / 1	20	140	2	90	10.84	16.21	8,000	TRANE	CGAM	ALL

NOTES

1	AIR COOLED CHILLER, COMPREHENSIVE SOUND PACKAGE, FULL LOUVERED SIDE PANELS, BAS INTERFACE, DISCONNECT
2	PROVIDE WITH MASON INDUSTRIES SLR A SERIES 1" DEFLECTION ISOLATORS. ISOLATORS TO BE BOLTED TO STEEL PLATFORM AT TIME OF INSTALLATION.

BUFFER TANK SCHEDULE - PURCHASED BY CO-OP

TAG	VOLUME (GAL)	PRESSURE (PSI)	ASME	FLANGE SIZE (IN)	WEIGHT	MFR	MODEL	NOTES
BT-B	500	125	YES	6	1366	AMTROL	CWBT500-6-125	1

NOTES

1	BUFFER TANK, INTERNAL BAFFLE. PROVIDE WITH SEISMIC RESTRAINTS. BUFFER TANK TO BE BOLTED TO STEEL PLATFORM AT TIME OF INSTALLATION

CONDENSING BOILER SCHEDULE - PURCHASED BY CO-OP

TAG	INPUT (MBH)	OUTPUT (MBH)	TURNDOWN	VOL (GAL)	MIN GPM	LWT / EWT	FLUE SIZE (AL29-4C)	AIR SIZE (PVC)	WEIGHT (LBS)	ELECTRICAL		MFR.	MODEL	NOTES
										VOLT.	FLA / MCA			
BLR-3	6,000	5,754	15:1	180	0	160 / 120	14	12	5,092	460 / 3	22 / 28	FULTON	EDR+	ALL
BLR-4	6,000	5,754	15:1	180	0	160 / 120	14	12	5,092	460 / 3	22 / 28	FULTON	EDR+	ALL

NOTES

1	CONDENSING BOILER, FIRE TUBE, ASME RATED, DUPLEX STEEL HEAT EXCHANGER, CONDENSATE NEUTRALIZING KIT, INTEGRATED BOILER CONTROLLER WITH LEAD/LAG SEQUENCER AND BACNET INTERFACE (PURE CONTROLLER), DISCONNECT. BOILER SUPPLIER TO PROVIDE BOILER FLUE MATERIAL AND TERMINATIONS.
2	IF NOT USING PVC FOR COMBUSTION AIR, PROVIDE 2" WRAP INSULATION ON COMBUSTION AIR PIPING FROM ROOF TO BOILER.

HYDRONIC TRIM SCHEDULE - PURCHASED BY CO-OP

TAG	DESCRIPTION	SIZE	ASME	MFR	MODEL
AS-B	AIR & DIRT SEPARATOR, DUAL STAGE SEPARATION, INTEGRAL MAGNET, INTEGRAL AIR VENT	5	ASME	FLAMCO	FSADS-500A
ET-B	EXPANSION, BUTYL BLADDER, FULL ACCEPTANCE	44 GAL	YES	BELL & GOSSETT	B165
ET-HW1	EXPANSION, BUTYL BLADDER, FULL ACCEPTANCE	158	YES	BELL & GOSSETT	B-600
ET-HW2	EXPANSION, BUTYL BLADDER, FULL ACCEPTANCE	158	YES	BELL & GOSSETT	B-600
FEED-B	FILTER FEEDER, SS FILTER BASKET, BOTTOM DRAIN, BOLT-ON LEGS	5 GAL	NA	NEPTUNE	FTF-5DB

GLYCOL FEEDER SCHEDULE - PURCHASED BY MECHANICAL CONTRACTOR

TAG	GAL	VOLT	AMPS	MFR	MODEL	NOTES
GLY-B	18	120 / 1	1	WESSELS	G-18	1

NOTES

1	GLYCOL FEED SYSTEM WITH INTEGRAL TANK & PUMP, LOW GLYCOL ALARM WITH DRY CONTACTS FOR USE AS INPUT TO BAS.

PUMP SCHEDULE - PURCHASED BY CO-OP

TAG	SERVICE	TOTAL FLOW (GPM)	TOTAL HEAD (FT)	FLUID	DUTY POINT RPM	PUMP RPM	ELECTRICAL		MFR.	TYPE	MODEL	NOTES
							VOLT.	HP				
BP-3	BOILER 3	290	10	100% H2O	2957	4600	460 / 3	3	BELL & GOSSETT	ECOCIRC XL	375	1
BP-4	BOILER 4	290	10	100% H2O	2957	4600	460 / 3	3	BELL & GOSSETT	ECOCIRC XL	375	1
CP-095.1	BCU HW COIL	3	10	100% H2O	NA	NA	120 / 1	70 W	GRUNDFOS	UPSe	15-58F	1
CP-AHU-A2-LT	AHU PREHEAT	24	15	100% H2O	3239	4600	120 / 1	0.17	BELL & GOSSETT	ECOCIRC XL	36-45	1
CP-AHU-B-N	AHU PREHEAT	40	15	100% H2O	2827	4600	208 / 1	0.5	BELL & GOSSETT	ECOCIRC XL	20-140	1
CP-AHU-B-S	AHU PREHEAT	40	15	100% H2O	2827	4600	208 / 1	0.5	BELL & GOSSETT	ECOCIRC XL	20-140	1
CP-COST	AHU HW COIL	27	15	100% H2O	3377	4600	120 / 1	0.17	BELL & GOSSETT	ECOCIRC XL	36-45	1
CP-DRES	AHU HW COIL	27	15	100% H2O	3377	4600	120 / 1	0.17	BELL & GOSSETT	ECOCIRC XL	36-45	1
HWP-A1.3	A1/A2 HOT WATER	240	60	100% H2O	1479	2200	460 / 3	7.5	GRUNDFOS	NBSE	025-095/9.53	2
HWP-B1.1	B HOT WATER	225	60	100% H2O	2013	2200	460 / 3	5	GRUNDFOS	NBSE	025-070-4P	2
HWP-B1.2	B HOT WATER	225	60	100% H2O	2013	2200	460 / 3	5	GRUNDFOS	NBSE	025-070-4P	2
HWP-D1.1	C/D HOT WATER	70	65	100% H2O	2070	2200	460 / 3	2	GRUNDFOS	NBSE	012-070-4P	2
HWP-D1.2	C/D HOT WATER	70	65	100% H2O	2070	2200	460 / 3	2	GRUNDFOS	NBSE	012-070-4P	2
P-RH-I	RADIANT HEATING	4.5	20	100% H2O	3394	4600	120 / 1	0.17	BELL & GOSSETT	ECOCIRC XL	36-45	1
P-RH-J	RADIANT HEATING	4.5	20	100% H2O	3394	4600	120 / 1	0.17	BELL & GOSSETT	ECOCIRC XL	36-45	1

NOTES

1	WET ROTOR CIRCULATION PUMP, EC MOTOR, ONBOARD CONTROLLER, INSULATION SHELL.
2	BASE MOUNTED CIRCULATION PUMP, SPLIT COUPLED, INTEGRAL VFD, PROVIDE WITH SUCTION DIFFUSER.

RADIANT CEILING PANEL SCHEDULE - PURCHASED BY MECHANICAL CONTRACTOR

TAG	LENGTH (FT)	WIDTH (IN)	MBH	GPM	MFR	MODEL	VALVE	NOTES
RCP-142.1	4	24	1.2	0.5	RITTLING	ALUMLINE	2-WAY	ALL
RCP-142.2	4	24	1.2	0.5	RITTLING	ALUMLINE		ALL
RCP-144.1	6	24	1.7	0.5	RITTLING	ALUMLINE	2-WAY	ALL
RCP-144.2	6	24	1.7	0.5	RITTLING	ALUMLINE		ALL

NOTES

1	HYDRONIC RADIANT CEILING PANEL, STEEL PANEL, COPPER TUBE WITH ALUMINUM PROFILE, INTEGRAL INSULATION ON BACK FACE, COLOR: WHITE.
2	VALVE COLUMN INDICATES WHERE MULTIPLE PANELS ARE CONTROLLED VIA A SINGLE VALVE.

PIPING MATERIAL SCHEDULE

SYSTEM	MATERIAL	JOINTS
CHILLED WATER <2.5"	TYPE L COPPER	PRESS / SOLDER
CHILLED WATER >=2.5"	SCH 40 STEEL	WELDED
CONDENSATE	TYPE L COPPER	PRESS / SOLDER
GAS <2.5"	SCH 40 STEEL	THREADED
GAS >=2.5"	SCH 40 STEEL	WELDED
HOT WATER <2.5"	TYPE L COPPER	PRESS / SOLDER
HOT WATER >=2.5"	SCH 40 STEEL	WELDED

PIPING INSULATION SCHEDULE

PIPE TYPE	INSUL. THICKNESS	INSULATION TYPE	k-VALUE
CHILLED WATER; AIR SEPARATOR	1"	ELASTOMERIC	0.21 - 0.27
CONDENSATE	0.5"	ELASTOMERIC	0.21 - 0.27
HOT WATER<1.5"	1.5"	FIBERGLASS	0.25 - 0.29
HOT WATER>=1.5"	2"	FIBERGLASS	0.25 - 0.29

EXTERIOR CHILLED WATER PIPING AND BUFFER TANK TO BE PROVIDED WITH ALUMAGUARD WRAP OR 3M VENTURECLAD 1579CWE-EMJ SILVER EMBOSSED JACKET

COOLING COIL VALVES & HYDRONIC TRIM TO BE INSULATED WITH ELASTOMERIC INSULATION WHETHER LOCATED IN THE ASSOCIATED PIECE OF EQUIPMENT OR OUTSIDE OF IT.

RADIANT PANEL SCHEDULE - PURCHASED BY MECHANICAL CONTRACTOR

TAG	LENGTH	MBH	GPM	EWT / LWT	MOUNT	HEIGHT	MFR	MODEL	LOCATION	VALVE	NOTES
RP-101.1.01	12'6"	16.4	1.6	160 / 140	FLOOR	8.6"	Runtal	R3F-3	C	3-WAY	ALL
RP-101.1.02	12'6"	16.4	1.6	160 / 140	FLOOR	8.6"	Runtal	R3F-3	C		ALL
RP-101.1.03	12'6"	16.4	1.6	160 / 140	FLOOR	8.6"	Runtal	R3F-3	C		ALL
RP-101.1.04	12'6"	16.4	1.6	160 / 140	FLOOR	8.6"	Runtal	R3F-3	C	2-WAY	ALL
RP-101.1.05	12'6"	16.4	1.6	160 / 140	FLOOR	8.6"	Runtal	R3F-3	C		ALL
RP-101.1.06	12'6"	16.4	1.6	160 / 140	FLOOR	8.6"	Runtal	R3F-3	C		ALL
RP-101.1.07	12'6"	16.4	1.6	160 / 140	FLOOR	8.6"	Runtal	R3F-3	C	2-WAY	ALL
RP-101.1.08	12'6"	16.4	1.6	160 / 140	FLOOR	8.6"	Runtal	R3F-3	C		ALL
RP-101.1.09	12'6"	16.4	1.6	160 / 140	FLOOR	8.6"	Runtal	R3F-3	C		ALL
RP-101.3.01	12'6"	16.4	1.6	160 / 140	FLOOR	8.6"	Runtal	R3F-3	C	2-WAY	ALL
RP-101.3.02	12'6"	16.4	1.6	160 / 140	FLOOR	8.6"	Runtal	R3F-3	C		ALL
RP-101.3.03	12'6"	16.4	1.6	160 / 140	FLOOR	8.6"	Runtal	R3F-3	C		ALL
RP-111.01.1	5'	5.2	0.5	160 / 120	WALL	8.6"	Runtal	R3F-3	C	2-WAY	ALL
RP-111.01.2	10'	10.3	0.5	160 / 120	WALL	8.6"	Runtal	R3F-3	C		ALL
RP-111.01.3	10'	10.3	0.5	160 / 120	WALL	8.6"	Runtal	R3F-3	C		ALL
RP-111.01.4	5'6"	5.7	0.5	160 / 120	FLOOR	8.6"	Runtal	R3F-3	C		ALL
RP-111.02.1	10'6"	10.8	0.5	160 / 120	FLOOR	8.6"	Runtal	R3F-3	C	2-WAY	ALL
RP-111.02.2	5'6"	5.7	0.5	160 / 120	FLOOR	8.6"	Runtal	R3F-3	C		ALL
RP-111.1	7'	7.2	0.5	160 / 120	WALL	8.6"	Runtal	R3F-3	C	3-WAY	ALL
RP-111.2	7'	7.2	0.5	160 / 120	WALL	8.6"	Runtal	R3F-3	C	3-WAY	ALL
RP-115.06	4'	4.1	0.5	160 / 120	FLOOR	8.6"	Runtal	R3F-3	C	2-WAY	ALL
RP-115.08	10'6"	10.8	0.5	160 / 120	FLOOR	8.6"	Runtal	R3F-3	C	2-WAY	ALL
RP-115.09	10'6"	10.8	0.5	160 / 120	FLOOR	8.6"	Runtal	R3F-3	C	2-WAY	ALL
RP-115.1	5'6"	5.7	0.5	160 / 120	FLOOR	8.6"	Runtal	R3F-3	C	2-WAY	ALL
RP-115.10	10'6"	10.8	0.5	160 / 120	FLOOR	8.6"	Runtal	R3F-3	C	2-WAY	ALL
RP-201.1	3'	5.7	0.5	160 / 120	WALL	20.2"	Runtal	R3F-7	A2	2-WAY	ALL
RP-215.2	3'	5.7	0.5	160 / 120	WALL	20.2"	Runtal	R3F-7	A2	2-WAY	ALL
RP-B.01	10'	29.0	2.9	160 / 140	FLOOR	29"	Runtal	R3F-10	B	2-WAY	ALL
RP-B.02	10'	29.0	2.9	160 / 140	FLOOR	29"	Runtal	R3F-10	B		ALL
RP-B.03	10'	29.0	2.9	160 / 140	FLOOR	29"	Runtal	R3F-10	B		ALL
RP-B.04	10'	29.0	2.9	160 / 140	FLOOR	29"	Runtal	R3F-10	B	2-WAY	ALL
RP-B.05	10'	29.0	2.9	160 / 140	FLOOR	29"	Runtal	R3F-10	B		ALL
RP-B.06	10'	29.0	2.9	160 / 140	FLOOR	29"	Runtal	R3F-10	B		ALL
RP-B.07	5'6"	16.0	1.6	160 / 140	WALL	29"	Runtal	R3F-10	B	3-WAY	ALL
RP-B.08	5'6"	16.0	1.6	160 / 140	WALL	29"	Runtal	R3F-10	B	3-WAY	ALL
RP-B.09	18'	23.7	2.4	160 / 140	FLOOR	8.6"	Runtal	R3F-3	B	2-WAY	ALL
RP-B.10	20'	26.3	2.6	160 / 140	FLOOR	8.6"	Runtal	R3F-3	B		ALL
RP-B.11	21'6"	28.3	2.8	160 / 140	FLOOR	8.6"	Runtal	R3F-3	B		ALL
RP-M1.01	7'	7.2	0.5	160 / 120	WALL	8.6"	Runtal	R3F-3	A2	2-WAY	ALL
RP-W1C.01	5'6"	12.5	0.6	160 / 120	WALL	29"	Runtal	R3F-10	A2	2-WAY	ALL
RP-W1D.01	5'6"	12.5	0.6	160 / 120	WALL	29"	Runtal	R3F-10	A2	2-WAY	ALL

NOTES

1	RADIANT PANEL, COLD ROLLED STEEL, CONVECTIVE FINS, 11-GAUGE PENCIL PROOF PERFORATED GRILLE, 85 PSI WORKING PRESSURE. RADIATORS TO BE PROVIDED IN ONE CONTINUOUS ALL WELDED PIECE. LENGTHS LISTED ARE NOMINAL; FIELD MEASURE AND DETERMINE HAND/CONFIGURATION PRIOR TO ORDER. INCLUDE ALL TRIM REQUIRED FOR A COMPLETE INSTALLATION. ARCHITECT TO SELECT COLOR INCLUDING CUSTOM COLORS.
2	SAME END CONNECTIONS PREFERRED: MECHANICAL CONTRACTOR TO VERIFY SAME END VS OPPOSITE END PRIOR TO ORDER
3	VALVE COLUMN INDICATES WHERE MULTIPLE PANELS ARE CONTROLLED VIA A SINGLE VALVE.

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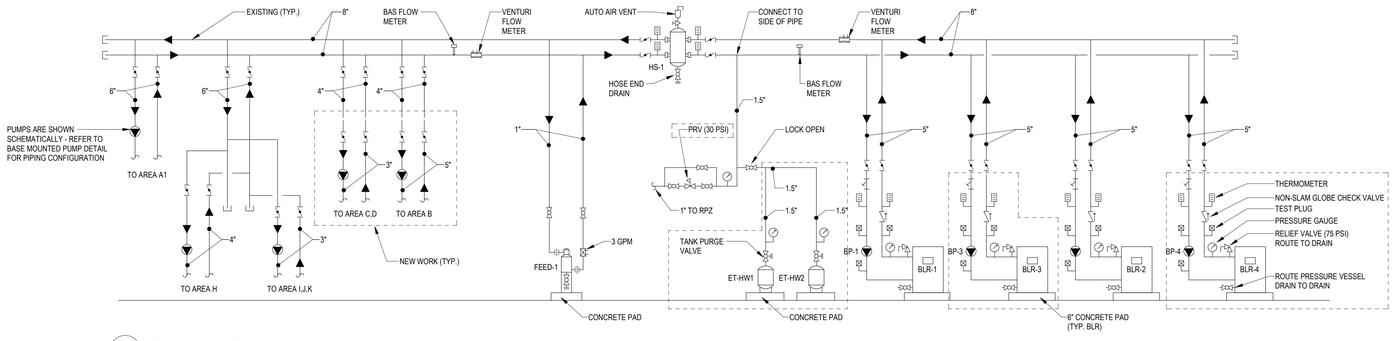
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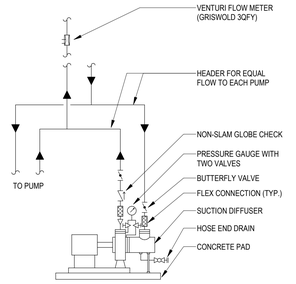
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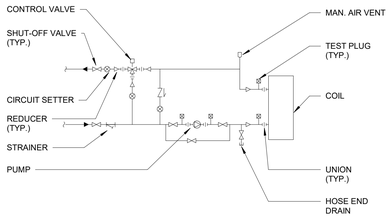
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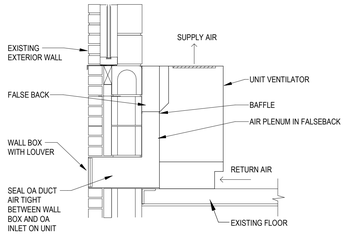
1 M4.3 BOILER PLANT PIPING DETAIL
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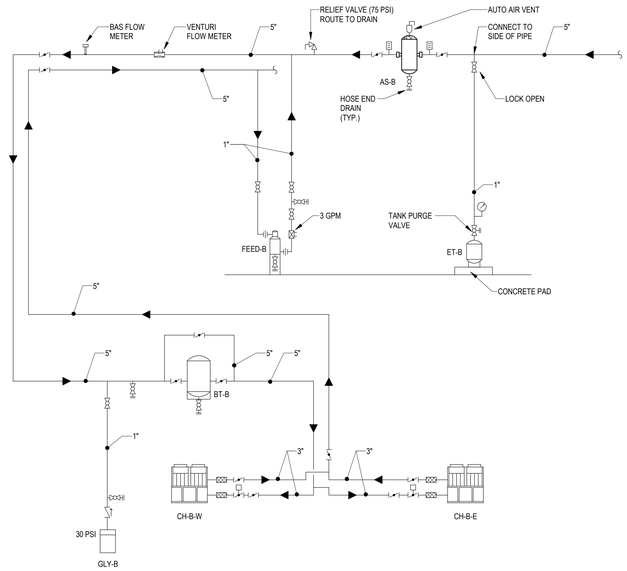
2 M4.3 BASE MOUNTED PUMP PIPING DETAIL
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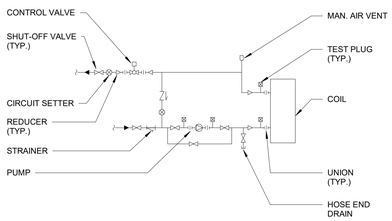
3 M4.3 TYPICAL 3WAY HEATING COIL WITH PUMP DETAIL
NOT TO SCALE



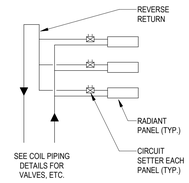
4 M4.3 TYPICAL UNIT VENTILATOR & FAN COIL - FLOOR MOUNTED
NOT TO SCALE



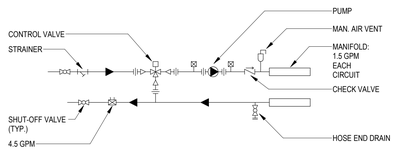
NORTH 7 CHILLER PLANT PIPING DETAIL
1/2" = 1'-0"



6 M4.3 TYPICAL 2WAY HEATING COIL WITH PUMP DETAIL
NOT TO SCALE



8 M4.3 RADIANT PANEL PIPING DETAIL
NOT TO SCALE



5 M4.3 RADIANT FLOOR PIPING DETAIL
NOT TO SCALE

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ARCHITECTURE • ENGINEERING • CONSTRUCTION

ARCHITECT:

CONSULTANTS:

EAHS MECHANICAL IMPROVEMENTS
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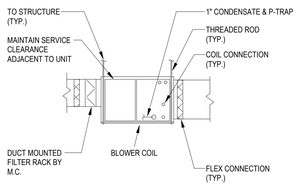
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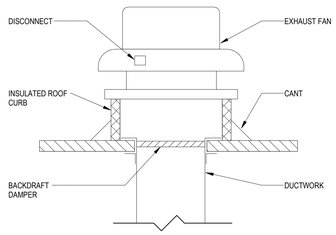
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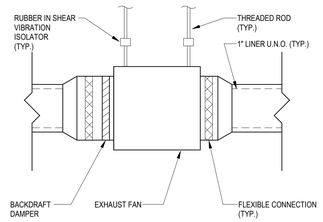
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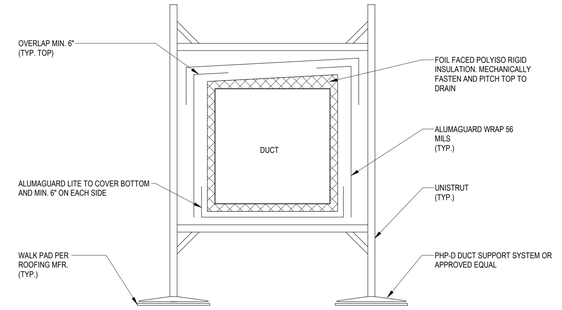
1 M4.4 TYPICAL DUCTED FAN & BLOWER COIL DETAIL
NOT TO SCALE



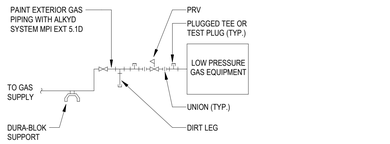
2 M4.4 TYPICAL ROOF MOUNTED EXHAUST FAN DETAIL
NOT TO SCALE



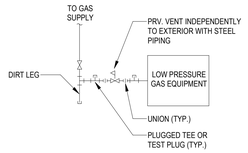
3 M4.4 TYPICAL INLINE EXHAUST FAN DETAIL
NOT TO SCALE



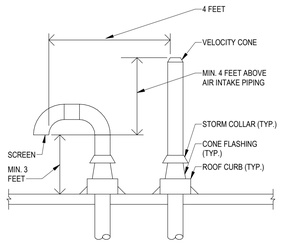
4 M4.4 EXTERIOR DUCT SUPPORT DETAIL
NOT TO SCALE



5 M4.4 GAS PIPING DETAIL - EXTERIOR
NOT TO SCALE

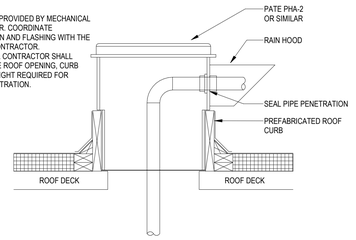


6 M4.4 GAS PIPING DETAIL - INTERIOR
NOT TO SCALE

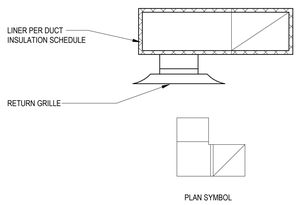


7 M4.4 BOILER FLUE DETAIL
NOT TO SCALE

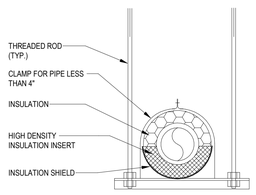
NOTE:
1. ROOF CURB PROVIDED BY MECHANICAL CONTRACTOR. COORDINATE INSTALLATION AND FLASHING WITH THE GENERAL CONTRACTOR.
2. MECHANICAL CONTRACTOR SHALL COORDINATE ROOF OPENING, CURB SIZE AND HEIGHT REQUIRED FOR PIPING PENETRATION.



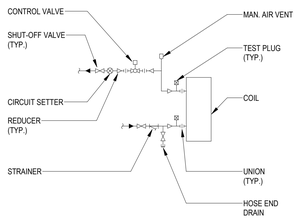
8 M4.4 TYPICAL ROOF PIPE CURB DETAIL
NOT TO SCALE



9 M4.4 TYPICAL TRANSFER DUCT DETAIL
NOT TO SCALE

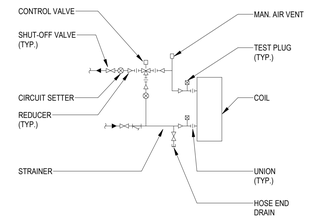


10 M4.4 TYPICAL PIPE SUPPORT DETAIL
NOT TO SCALE

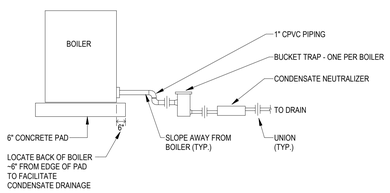


NOTE: PROVIDE HOSES AT RADIANT CEILING PANEL HWS & HWR CONNECTIONS

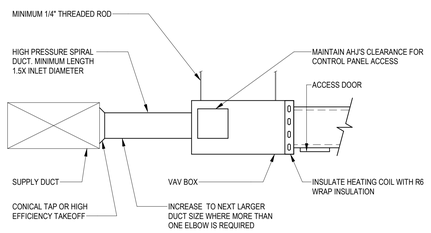
11 M4.4 TYPICAL 2WAY COIL PIPING DETAIL
NOT TO SCALE



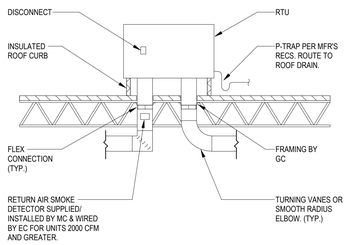
12 M4.4 TYPICAL 3WAY COIL PIPING DETAIL
NOT TO SCALE



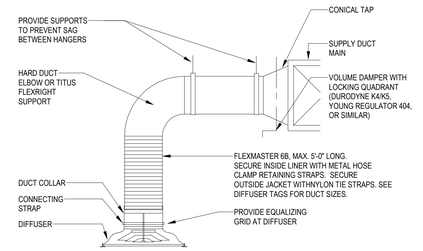
13 M4.4 BOILER CONDENSATE PIPING DETAIL
NOT TO SCALE



14 M4.4 TYPICAL VAV BOX DETAIL
NOT TO SCALE



15 M4.4 TYPICAL RTU DETAIL
NOT TO SCALE



16 M4.4 DIFFUSER FLEXIBLE DUCT CONNECTION
NOT TO SCALE

9/30/2026 5:45:45 PM

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261012

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#	Description	Date

DRAWING TITLE:
MECHANICAL DETAILS

M4.4

ISSUED FOR BID SET - 10.01.2026

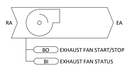
TEMPERATURE CONTROL NOTES
1. Provide guards for all sensors in public areas
2. Provide cages for sensors in gymnasiums
3. Control valves to be Belimo with stainless steel ball and stem
4. Terminal unit control valves to fail last position
5. Global parameters to be mapped to all applicable equipment

TEMPERATURE CONTROL GLOBAL PARAMETERS
1. Heating-only unit global enable setpoint: 65F (adj.)
2. Economizer global setpoint: 28 BTU/lb (adj).
3. Space temperature setpoint range: 68F-74F (adj.)
4. Space CO2 setpoint: 1200 ppm (adj.)
5. VAV box heating DAT high limit: 95F (adj.)

LON Replacements
1. Remove existing LON controls serving Freshman Center and Auditorium
2. Provide new controls for (3) exhaust fans in Areas I,J,K
3. Existing furnaces to remain. Provide BACnet space sensors for areas served by furnaces

VRF Controller Upgrades
1. Upgrade (2) Samsung VRF central controllers; provide BACnet interfaces and integrate to Trane control system

EXHAUST FAN, BAS SCHEDULE

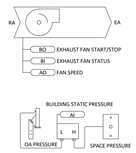


Exhaust Fan, BAS Schedule Control:
Exhaust fan shall be a separate start/stop and status point at the BAS. Exhaust fan shall operate via a time of day schedule as programmed at the BAS.

Alarms:
If the exhaust fan is commanded ON and no status is detected after a period of 60 seconds (adj.), an exhaust fan failure alarm shall be annunciated at the BAS. If the exhaust fan is commanded off and status is detected after a period of 60 seconds (adj.), an exhaust fan in hand alarm shall be annunciated at the BAS.

Trends:
Exhaust fan status

EXHAUST FAN, SPACE PRESSURE CONTROL

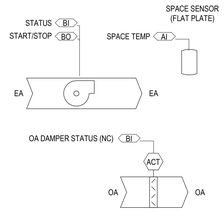


Exhaust Fan, Space Pressure Control:
Exhaust fan shall be a separate start/stop and status point at the BAS. Space pressure shall be a discrete input to the BAS. When space pressure rises above setpoint of 0.05" (adj.) for 5 minutes (adj.), the exhaust fan shall be enabled. Exhaust fan speed shall modulate as required to maintain the space pressure setpoint. When space pressure falls below setpoint minus 0.02" deadband for 5 minutes (adj.) the exhaust fan shall be disabled. Multiple exhaust fans serving the same pressure zone shall be controlled in a lead-lag fashion.

Alarms:
If the exhaust fan is commanded on and no status is detected after a period of 60 seconds (adj.), an exhaust fan failure alarm shall be annunciated at the BAS. If the exhaust fan is commanded off and status is detected after a period of 60 seconds (adj.), an exhaust fan in hand alarm shall be annunciated at the BAS.

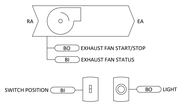
Trends:
Exhaust fan status, exhaust fan speed, space pressure, space pressure setpoint

EXHAUST FAN - TEMPERATURE



Exhaust Fan Operation:
The exhaust fan & OA damper shall be enabled during occupied schedule times when 40F<OAT<70F (adj.). When enabled and space temperature rises above setpoint of 80F (adj.), damper shall open and fan shall run. Fan shall continue to run until disabled by OAT, schedule, or when space temperature falls to 5F (adj.) below setpoint.
Alarms:
Fan failure; 60s (adj). delay. OA damper open when commanded closed.
Trends:
Exhaust fan status, exhaust fan command, OA damper status, space temperature, space temperature setpoint

EXHAUST FAN, DDC, BAS SCHEDULE WITH SWITCH



Exhaust Fan, BAS Switch Control:
Exhaust fan shall be a separate start/stop and status point at the BAS. Exhaust fan shall be enabled via a time of day schedule as programmed at the BAS. During occupied schedule times, the exhaust fan shall run when the local switch is activated. When fan status is sensed, a light adjacent to the switch shall be illuminated. During unoccupied schedule times, the exhaust fan shall be disabled and shall not run even if the local switch is activated.

Local switch is a low voltage device wired to exhaust fan controller. BAS interaction with exhaust fan line voltage power is via relay.

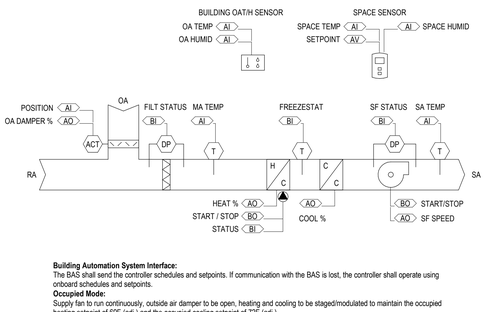
Alarms:
If the exhaust fan is commanded ON and no status is detected after a period of 60 seconds (adj.), an exhaust fan failure alarm shall be annunciated at the BAS. If the exhaust fan is commanded off and status is detected after a period of 60 seconds (adj.), an exhaust fan in hand alarm shall be annunciated at the BAS.

Trends:
Exhaust fan status, local switch status

DESTRATIFICATION FAN

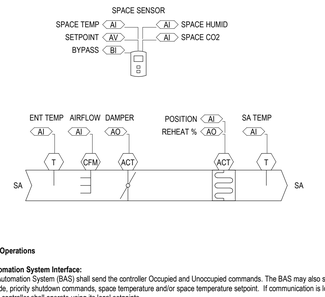
Enable:
Destratification fan shall run when outside air temperature is below 38F (adj.).
Fan Speed:
All fans in a group shall run at the same speed. Fan speed shall be adjustable per group.
Alarms:
If fan is commanded on and status is not detected after 60s (adj.), a fan failure alarm shall be annunciated at the BAS.
Trends:
Fan status, fan speed

HORIZONTAL BLOWER COIL / FAN COIL



Building Automation System Interface:
The BAS shall send the controller schedules and setpoints. If communication with the BAS is lost, the controller shall operate using onboard schedules and setpoints.
Occupied Mode:
Supply fan to run continuously, outside air damper to be open, heating and cooling to be staged/modulated to maintain the occupied heating setpoint of 69F (adj.) and the occupied cooling setpoint of 72F (adj.).
Unoccupied Mode:
Supply fan to run intermittently with heating/cooling operation, outside air damper to remain closed, heating and cooling to be staged/modulated to maintain the unoccupied heating setpoint of 60F (adj.) and the unoccupied cooling setpoint of 85F (adj.).
Optimal Start:
The controller shall use the occupied space temperature setpoints, space temperature, and occupancy schedule to determine when the optimal start occurs. The outside air damper shall remain closed during optimal start unless economizing. Once the space temperature reaches the occupied space temperature setpoint, the unit shall operate in occupied mode.
Supply Fan:
Supply fan speed shall be varied during cooling operation to optimize the minimum fan speed. If supply fan status is not sensed within 40 sec. (adj.) of a request for fan operation, a supply fan failure alarm shall be annunciated at the BAS.
Cooling:
When space temperature rises above the cooling setpoint, the unit controller shall modulate the mechanical cooling as required to maintain the space temperature setpoint. Typical discharge air temperature setpoint during cooling operation shall be 55F (adj.). As space temperature falls to setpoint, supply fan shall modulate to minimum speed. If space temperature continues to fall below setpoint, discharge air temperature setpoint shall be reset upwards to 60F (adj.) unless restricted due to outside air dewpoint setpoint or space humidity.
Outside Air Dewpoint Setpoint & Space Humidity:
When outside air dewpoint is above 55F (adj.) or space humidity is above 60% (adj.), cooling maximum discharge air temperature setpoint shall be 55F (adj.).
Heating:
When space temperature falls below the heating setpoint, the unit controller shall stage/modulate the heating as required to maintain the space temperature setpoint. Maximum discharge air temperature setpoint during heating operation shall be 95F (adj.). After demand for heating is satisfied, discharge air temperature shall be reset to room neutral (i.e. 70F).
Coil Pump:
Pump to run when OAT<40F (adj.) or heat valve is >3% (adj.) open. Alarm on pump failure.
Filter Status:
A differential pressure switch shall monitor the differential pressure across the filter when the fan is running. If the switch closes for 2 minutes after a request for fan operation, a dirty filter alarm shall be annunciated at the BAS.
Mixed Air Low Limit:
If mixed air temperature falls below 45F (adj.), outside air damper shall modulate closed until mixed air temperature is 5F (adj.) above mixed air low limit setpoint. If mixed air temperature is above setpoint plus deadband for 15 min. (adj.), outside air damper shall modulate open to design position.
Freezestat:
If low limit switch is tripped at 38F (adj.), fan to shut down, outside air damper to close, water valves to open, alarm to be annunciated at the BAS. The controller shall attempt to restart the unit after 30 min. (adj.). If restart is successful, freezestat shall be reset. If freezestat trips again with 12 hours (adj.) of first trip, the unit shall be locked out until manually reset.
Space Temperature Alarm
If space temperature is less than 50F (adj.) or greater than 90F (adj.) for 30 min. (adj.), an alarm shall be annunciated at the BAS.
Trends:
Space temperature, space temperature setpoint, space humidity, discharge air temperature, supply fan status, supply fan speed, outside air damper position, cooling valve position, heating valve position, pump status.

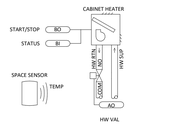
VAV BOX - HOT WATER



Sequence of Operations
VAV HW
Building Automation System Interface:
The Building Automation System (BAS) shall send the controller Occupied and Unoccupied commands. The BAS may also send a Heat/Cool mode, priority shutdown commands, space temperature and/or space temperature setpoint. If communication is lost with the BAS, the VAV controller shall operate using its local setpoints.
Occupied Mode:
VAV shall maintain the space temperature at the active occupied heating or cooling setpoint.
Unoccupied Mode:
VAV shall maintain the space temperature at the unoccupied heating or cooling setpoint.
Occupied Bypass Mode:
Users shall be able to override the unoccupied mode from the space sensor to place the VAV in occupied mode. The override shall last for a maximum of 2 hours (adj.).
Heat/Cool Mode:
The Heat/Cool mode shall be set by a communicated value or automatically by the controller.
Heat/Cool Setpoint:
The space temperature setpoint shall be determined either by a local setpoint, the VAV default setpoint or a communicated value. The VAV shall use the locally stored default setpoints when neither a local setpoint nor communicated setpoint is present. If both a local setpoint and communicated setpoint exist, the VAV shall use the communicated value.
Cooling Mode:
As zone temperature rises above the active cooling setpoint, airflow shall modulate between the minimum and max cooling airflow setpoints to maintain zone temperature at the active cooling setpoint.
Heating Mode:
As zone temperature drops below the active heating setpoint, airflow shall modulate to the minimum airflow setpoint and the heating valve shall modulate open to maintain zone temperature at the active heating setpoint. As the discharge air temperature reaches the heating discharge air temperature setpoint of 95F (adj.), airflow shall modulate to the max heating airflow setpoint and the heating valve shall modulate to maintain the discharge air temperature setpoint.
Occupied Setpoints:
User adjustable occupied setpoint range: 68F-74F (adj.)
Unoccupied Setpoints:
Heating: 60F (adj.). Cooling: 85F (adj.)
Zone CO2:
Zone CO2 shall be communicated to the air handling unit serving the VAV and shall be visible on the BAS.
Space Sensor Failure:
If there is a fault with the operation of the zone sensor an alarm shall be annunciated at the BAS. Space sensor failure shall cause the VAV to drive the damper to minimum airflow position.
Radiant Heating Control:
Radiant heating will be enabled when outside air temperature is less than 65 F (adj.). Radiant heating will be controlled as the first stage of heat.
Alarms:
If space temperature falls below 55 F (adj.) or rises above 88 F (adj.) for 30 min. (adj.) an alarm shall be annunciated at the BAS.
Trends:
Space temperature, space temperature setpoint, airflow, space humidity, space CO2, discharge air temperature, heating valve position, radiant heating valve position.

Note; where a VAV serving multiple spaces is shown to have multiple thermostats, user adjustable space temperature setpoint range shall be 70-72F (adj.) and VAV will control to the average of the space temperature setpoints.

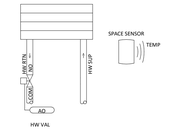
CABINET UNIT HEATER / UNIT HEATER



Sequence of Operations
Cabinet Unit Heater
Operation
Heater shall be enabled when outside air temperature is less than 65 F (adj.).
Unoccupied Mode:
The unit will maintain the unoccupied heating setpoint of 60 F (adj.)
Occupied Mode:
The unit will maintain the occupied heating setpoint of 68 F (adj.)
Supply Fan Operation:
The supply fan shall cycle on during a call for heat. The supply fan status shall be monitored by the ECM motor controller or current sensor.
Heating Valve Operation:
The heating valve shall modulate as required to maintain the space temperature setpoint.
Filter Timer:
The fan-run time (hrs) shall be compared to the filter maintenance timer setpoint. Once the setpoint is reached a filter timer alarm diagnostic shall be annunciated at the BAS. When the diagnostic is cleared, the filter-maintenance timer is reset to zero, and the timer begins accumulating fan-run time again.
BAS Alarms:
If space temperature falls below 50 F (adj.) for 30 min. (adj.), an alarm shall be annunciated at the BAS. If supply is commanded on and status is not detected after 60 seconds (adj.), a fan failure alarm shall be annunciated at the BAS.
Trends:
Space temperature, space temperature setpoint, heating valve position, discharge air temperature.

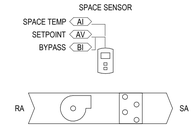
Note: unit heater controls are similar. For boiler room: reference low & high thermostats, use lowest temperature as controlled value for unit heaters.

RADIANT PANEL OR FIN TUBE



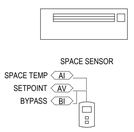
Sequence of Operations
Radiant Panel/Fin Tube
Operation
Radiant heating shall be enabled when outside air temperature is less than 65 F (adj.).
Occupied Mode:
The unit will maintain the occupied heating setpoint of 68 F (adj.)
Unoccupied Mode:
The unit will maintain the unoccupied heating setpoint of 60 F (adj.)
BAS Alarms:
If space temperature falls below 50 F (adj.) for 30 min. (adj.), an alarm shall be annunciated at the BAS.
Radiant Heat Associated with VAV Box:
Where radiant heating is located in the same zone as VAV box, a single thermostat shall be used to control both the radiant heat and the VAV box. The radiant heat shall function as the first stage of heat.
Trends:
Heating valve position, space temperature, space temperature setpoint.

GAS HEATER



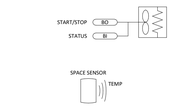
Building Automation System Interface:
Gas heater shall operate according to its own safeties and controls.
Operation:
Heater to be enabled when OAT<65F (adj.).
Occupied setpoint: 70F (adj.)
Unoccupied setpoint: 60F (adj.)
Occupied Bypass:
If, during unoccupied mode, the bypass button on the space temperature sensor is activated, the unit shall run in occupied mode for 90 min. (adj.) and then return to unoccupied mode.
Space Temperature Alarm
If space temperature is less than 50F (adj.) for 30 min. (adj.), an alarm shall be annunciated at the BAS.
Trends:
Space temperature, space temperature setpoint, heater start/stop command

PTAC



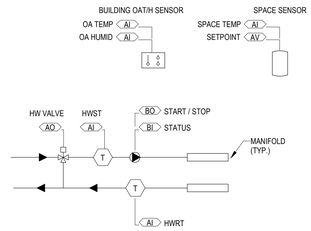
Building Automation System Interface:
PTAC shall operate according to its own safeties and controls.
Operation:
Occupied heat/cool setpoints: 70F/72F (adj.)
Unoccupied heat/cool setpoints: 60F/85F (adj.)
Occupied Bypass:
If, during unoccupied mode, the bypass button on the space temperature sensor is activated, the unit shall run in occupied mode for 90 min. (adj.) and then return to unoccupied mode.
Space Temperature Alarm
If space temperature is less than 50F (adj.) or greater than 88F (adj.) for 30 min. (adj.), an alarm shall be annunciated at the BAS.
Trends:
Space temperature, space temperature setpoint, PTAC start/stop command

ELECTRIC HEATER



Sequence of Operations
Electric Heater
Operation
Heater shall be enabled when outside air temperature is less than 65 F (adj.).
Unoccupied Mode:
The unit will maintain the unoccupied heating setpoint of 60 F (adj.)
Occupied Mode:
The unit will maintain the occupied heating setpoint of 68 F (adj.)
Supply Fan Operation:
The supply fan shall cycle on during a call for heat.
BAS Alarms:
If space temperature falls below 50 F (adj.) for 30 min. (adj.), an alarm shall be annunciated at the BAS.
Trends:
Space temperature, space temperature setpoint, heater status

RADIANT FLOOR HEATING



Operation
Radiant heat shall be enabled when outside air temperature is less than 65 F (adj.).
Unoccupied Mode:
The unit will maintain the unoccupied heating setpoint of 60 F (adj.)
Occupied Mode:
The unit will maintain the occupied heating setpoint of 68 F (adj.)
Pump Operation:
Pump shall run during a call for heat
Heating Valve Operation:
The heating valve shall modulate to maintain the maximum HWST & HWRT setpoints:
HWST<130F (adj.)
HWRT<85F (adj.)
BAS Alarms:
HWRT>80F (adj.) for 20 min (adj.)
Space temperature<50F for 20 min (adj.)
Pump failure
Trends:
Space temperature, space temperature setpoint, heating valve position, pump status, HWST, HWRT

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#	Description	Date

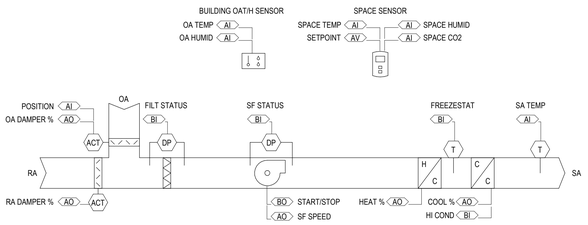
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TEMPERATURE CONTROL DETAILS

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UNIT VENTILATOR

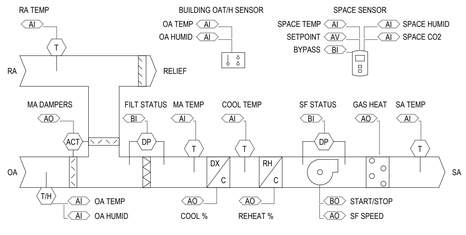


Building Automation System Interface:
The BAS shall send the controller schedules and setpoints. If communication with the BAS is lost, the controller shall operate using onboard schedules and setpoints.
Occupied Mode:
Supply fan to run continuously, outside air damper to be open, heating and cooling to be staged/modulated to maintain the occupied heating setpoint of 69F (adj.) and the occupied cooling setpoint of 72F (adj.).
Unoccupied Mode:
Supply fan to run intermittently with heating/cooling operation, outside air damper to remain closed, heating and cooling to be staged/modulated to maintain the unoccupied heating setpoint of 60F (adj.) and the unoccupied cooling setpoint of 85F (adj.).
Optimal Start:
The controller shall use the occupied space temperature setpoints, space temperature, and occupancy schedule to determine when the optimal start occurs. The outside air damper shall remain closed during optimal start unless economizing. Once the space temperature reaches the occupied space temperature setpoint, the unit shall operate in occupied mode.
Supply Fan:
Supply fan speed shall be varied during heating and cooling operation to optimize the minimum fan speed. If supply fan status is not sensed within 40 sec. (adj.) of a request for fan operation, a supply fan failure alarm shall be annunciated at the BAS.
Cooling:
When space temperature rises above the cooling setpoint, the unit controller shall modulate the mechanical cooling as required to maintain the space temperature setpoint. Typical discharge air temperature setpoint during cooling operation shall be 55F (adj.). As space temperature falls to setpoint, supply fan shall modulate to minimum speed. If space temperature continues to fall below setpoint, discharge air temperature setpoint shall be reset upwards to 60F (adj.) unless restricted due to outside air dewpoint setpoint or space humidity.
Outside Air Dewpoint Setpoint & Space Humidity:
When outside air dewpoint is above 55F (adj.) or space humidity is above 60% (adj.), cooling maximum discharge air temperature setpoint shall be 55F (adj.).
Heating:
Note: for spaces with supplemental perimeter heating, refer to fin tube control diagram for additional information.

When space temperature falls below the heating setpoint, the unit controller shall stage/modulate the heating as required to maintain the space temperature setpoint. Maximum discharge air temperature setpoint during heating operation shall be 95F (adj.). After demand for heating is satisfied, discharge air temperature shall be reset to room neutral (i.e. 70F).
Filter Status:
A differential pressure switch shall monitor the differential pressure across the filter when the fan is running. If the switch closes for 2 minutes after a request for fan operation, a dirty filter alarm shall be annunciated at the BAS.
Economizer - Reference Enthalpy:
Economizer shall be enabled when outside air enthalpy is less than 28 BTU/lb (adj.). Building outside air temperature & humidity sensor shall be used as the enthalpy reference. If communication with the BAS is lost, the unit shall fallback to local economizer control using a 60F (adj.) dry bulb setpoint.
Demand Controlled Ventilation
The outside air damper shall modulate between the minimum and design positions to maintain the CO2 setpoint at 1200 ppm (adj.). **Mixed Air Low Limit:**
If mixed air temperature falls below 45F (adj.), outside air damper shall modulate closed until mixed air temperature is 5F (adj.) above mixed air low limit setpoint. If mixed air temperature is above setpoint plus deadband for 15 min. (adj.), outside air damper shall modulate open to design position.
Freezestat:
If low limit switch is tripped at 38F (adj.), fan to shut down, outside air damper to close, water valves to open, alarm to be annunciated at the BAS. The controller shall attempt to restart the unit after 30 min. (adj.). If restart is successful, freezestat shall be reset. If freezestat trips again with 12 hours (adj.) of first trip, the unit shall be locked out until manually reset.
Space Temperature Alarm
If space temperature is less than 50F (adj.) or greater than 90F (adj.) for 30 min. (adj.), an alarm shall be annunciated at the BAS.
High Condensate Alarm
If condensate high level switch on UV or condensate pump is activated, UV shall shut down and alarm shall be annunciated at the BAS.
Trends:
Space temperature, space temperature setpoint, space humidity, discharge air temperature, supply fan status, supply fan speed, outside air damper position, cooling valve position, heating valve position, space C02, space CO2 setpoint

Note: fan coils are similar

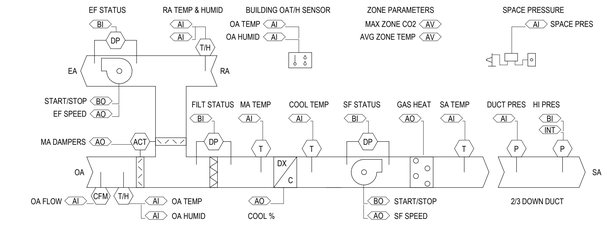
RTU - SZVAV



Building Automation System Interface:
The BAS shall send the controller schedules, setpoints, and outside air temperature/humidity. If communication with the BAS is lost, the controller shall operate using onboard schedules, setpoints, and outside air temperature/humidity.
Occupied Mode:
Supply fan to run continuously, outside air damper to be open, heating and cooling to be staged/modulated to maintain the occupied heating setpoint of 69F (adj.) and the occupied cooling setpoint of 72F (adj.).
Unoccupied Mode:
Supply fan to run intermittently with heating/cooling operation, outside air damper to remain closed, heating and cooling to be staged/modulated to maintain the unoccupied heating setpoint of 60F (adj.) and the unoccupied cooling setpoint of 85F (adj.).
Occupied Bypass:
If, during unoccupied mode, the bypass button on the space temperature sensor is activated, the unit shall run in occupied mode for 90 min. (adj.) and then return to unoccupied mode.
Optimal Start:
The controller shall use the occupied space temperature setpoints, space temperature, and occupancy schedule to determine when the optimal start occurs. The outside air damper shall remain closed during optimal start unless economizing. Once the space temperature reaches the occupied space temperature setpoint, the unit shall operate in occupied mode.
Supply Fan:
Supply fan speed shall be varied during cooling operation to optimize the minimum fan speed. If supply fan status is not sensed within 40 sec. (adj.) of a request for fan operation, a supply fan failure alarm shall be annunciated at the BAS.
Economizer:
Outside air enthalpy shall compared with the reference enthalpy control setpoint of 28 BTU/LB (adj). The economizer shall enable when outdoor air enthalpy is less than enthalpy control setpoint - 0.5 BTU/LB. The economizer shall disable when outdoor air enthalpy is greater than enthalpy control setpoint + 0.5 BTU/LB. The supply air sensor shall measure the dry bulb temperature of the air leaving the evaporator coil while economizing. When economizing is enabled and the unit is operating in cooling mode, the economizer damper shall be modulated between its minimum position and 100% to maintain the discharge air temperature setpoint. The economizer damper shall modulate toward minimum position in the event the discharge air temperature falls below the discharge air temperature low limit setpoint. Mechanical cooling shall be delayed from operating until the economizer has opened to 100%.
Cooling:
When space temperature rises above the cooling setpoint, the unit controller shall modulate the economizer or the mechanical cooling as required to maintain the space temperature setpoint. Once space temperature falls below setpoint, the mechanical cooling shall be deactivated and the economizer shall return to minimum position. Discharge air temperature setpoint during cooling operation shall be 55F (adj.)
Dehumidification:
When space humidity rises above the space humidity setpoint of 55% (adj.) and no call for heating exists, the unit shall enter dehumidification mode and modulate the mechanical cooling and reheat. If space humidity rises above 70% (adj.) for 20 min. (adj.), an alarm shall be annunciated at the BAS.
Heating:
When space temperature falls below the heating setpoint, the unit controller shall stage/modulate the heating as required to maintain the space temperature setpoint. Once space temperature rises above setpoint, the heating shall be deactivated. Discharge air temperature setpoint during heating operation shall be 95F (adj.).
Filter Status:
A differential pressure switch shall monitor the differential pressure across the filter when the fan is running. If the switch closes for 2 minutes after a request for fan operation, a dirty filter alarm shall be annunciated at the BAS.
Space Temperature Alarm
If space temperature is less than 50F (adj.) or greater than 90F (adj.) for 30 min. (adj.), an alarm shall be annunciated at the BAS.
Supply Air Temperature Alarm:
If supply air temperature falls below 40F (adj.) for 5 min. (adj.), an alarm shall be annunciated at the BAS and the unit shall shut down.
Demand Controlled Ventilation:
During occupied operation, the outside air damper shall be open to the minimum position. As space CO2 rises above the DCV modulation threshold of 750 ppm (adj.) the outside air damper shall modulate open from the minimum position. When space CO2 reaches 1200 ppm (adj.), the outside air damper shall be open to the design position.
Trends:
Space temperature, space temperature setpoint, discharge air temperature, discharge air temperature setpoint, space humidity, space humidity setpoint, supply fan status, supply fan speed, outside air damper position, space CO2.

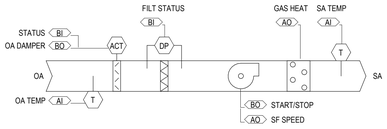
Note: DCV and reheat are not required for RTU-B-STAGE

RTU - VAV WITH EXHAUST FAN



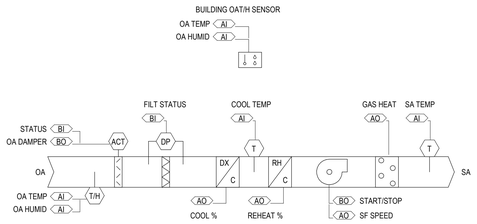
Building Automation System Interface:
The BAS shall send the controller schedules, setpoints, and outside air temperature/humidity. If communication with the BAS is lost, the controller shall operate using onboard schedules, setpoints, and outside air temperature/humidity.
Occupied Mode:
Supply fan to run intermittently with heating/cooling operation, outside air damper to remain closed, heating and cooling to be staged/modulated to maintain the discharge air temperature setpoint.
Unoccupied Mode:
Supply fan to run intermittently with heating/cooling operation, outside air damper to remain closed, heating and cooling to be staged/modulated to maintain the discharge air temperature setpoint.
Occupied Bypass:
If, during unoccupied mode, the bypass button on a space temperature sensor is activated, the unit shall run in occupied mode for 90 min. (adj.) and then return to unoccupied mode.
Optimal Start:
The controller shall use the occupied space temperature setpoints, space temperature, and occupancy schedule to determine when the optimal start occurs. The outside air damper shall remain closed during optimal start unless economizing. Once the space temperature reaches the occupied space temperature setpoint, the unit shall operate in occupied mode.
Supply Fan:
The supply fan shall maintain the duct static pressure setpoint. If supply fan status is not sensed within 40 sec. (adj.) of a request for fan operation, a supply fan failure alarm shall be annunciated at the BAS. A hardwired, high static pressure cut-off switch shall be electrically interlocked with the supply fan. If the high static pressure cut-off switch is tripped the fan shall stop, the outside air damper shall close, and an alarm will be annunciated at the BAS. A manual reset of the high static pressure cut-off switch shall be required to restart the fan.
Duct Static Pressure Control:
The duct static pressure setpoint shall be sent by the BAS and shall be reset between the minimum and maximum static pressure limits to maintain the critical zone VAV air damper in a position between 65% and 75% open.
Exhaust Fan:
Exhaust fan speed shall be varied to maintain building static pressure at 0.05" (adj.). If exhaust fan status is not sensed within 40 sec. (adj.) of a request for fan operation, an exhaust fan failure alarm shall be annunciated at the BAS.
Economizer:
Outside air enthalpy shall compared with the reference enthalpy control setpoint of 28 BTU/LB (adj). The economizer shall enable when outdoor air enthalpy is less than enthalpy control setpoint - 0.5 BTU/LB. The economizer shall disable when outdoor air enthalpy is greater than enthalpy control setpoint + 0.5 BTU/LB. The supply air sensor shall measure the dry bulb temperature of the air leaving the evaporator coil while economizing. When economizing is enabled and the unit is operating in cooling mode, the economizer damper shall be modulated between its minimum position and 100% to maintain the discharge air temperature setpoint. The economizer damper shall modulate toward minimum position in the event the discharge air temperature falls below the discharge air temperature low limit setpoint. Mechanical cooling shall be delayed from operating until the economizer has opened to 100%.
Discharge Air Temperature Control:
Initial discharge air temperature setpoint shall be 55F (adj.). Setpoint shall be reset upwards to 60F (adj.) as outside air temperature falls below 40F (adj.). Discharge air temperature setpoint shall be reset downwards to the initial setpoint if more than 2 (adj.) zones begin to overheat. Discharge air temperature setpoint shall not be reset whenever outside air dewpoint is greater than 60F (adj.).
Filter Status:
A differential pressure switch shall monitor the differential pressure across the filter when the fan is running. If the switch closes for 2 minutes after a request for fan operation, a dirty filter alarm shall be annunciated at the BAS.
Supply Air Temperature Alarm:
If supply air temperature falls below 40F (adj.) for 5 min. (adj.), an alarm shall be annunciated at the BAS and the unit shall shut down.
Demand Controlled Ventilation:
The maximum zone CO2 value of all zones served by the AHU shall be used as the controlled value for DCV operation and shall be used to calculate the outside airflow setpoint. The outside airflow setpoint shall be reset between the minimum and design values to maintain zone CO2 at setpoint. DCV modulation of OA damper to begin when CO2 rises above 750 ppm (adj.). Outside airflow to be at design value when CO2 concentration is 1200 ppm (adj.).
Trends:
Discharge air temperature, discharge air temperature setpoint, supply fan status, supply fan speed, duct static pressure, duct static pressure setpoint, exhaust fan status, exhaust fan speed, outside air damper position, outside airflow, space pressure, space pressure setpoint, space CO2.

MAU



Building Automation System Interface:
The BAS shall send the controller schedules, setpoints, and outside air temperature/humidity. If communication with the BAS is lost, the controller shall operate using default schedules, setpoints, and outside air temperature/humidity.
Occupied Mode:
Supply and exhaust fans to run continuously, outside air damper to be open, heating to be modulated to maintain the discharge air temperature setpoint.
Unoccupied Mode:
Fans to be off, dampers to be closed, heating to be disabled.
Outside Air Damper:
Outside air damper shall be provided with end switch. Outside air damper must be proven open before fans are started.
Supply Fan:
Supply fan speed shall run continuously at constant speed. If supply fan status is not sensed within 40 sec. (adj.) of a request for fan operation, a supply fan failure alarm shall be annunciated at the BAS.
Discharge Air Temperature Control:
Default discharge air temperature setpoint in heating mode to be 70F (adj.). If discharge air temperature rises above 100F (adj.) or falls below 40F (adj.) for 10 min (adj.), the unit shall shut down and an alarm shall be annunciated at the BAS.
Space Temperature Control:
Discharge air temperature setpoint shall be reset up or down from the default heating setpoint to maintain space temperature at setpoint. Maximum DAT is 80F (adj.) and minimum DAT is 70F (adj.).
Filter Status:
A differential pressure switch shall monitor the differential pressure across the filter when the fan is running. If the switch closes for 2 minutes after a request for fan operation, a dirty filter alarm shall be annunciated at the BAS.
Trends:
Discharge air temperature, discharge air temperature setpoint, space temperature, space temperature setpoint, operating mode, heat capacity, supply fan status, supply fan speed, outside air damper position.

DOAS



Building Automation System Interface:
The BAS shall send the controller schedules, setpoints, and outside air temperature/humidity. If communication with the BAS is lost, the controller shall operate using default schedules, setpoints, and outside air temperature/humidity.
Occupied Mode:
Supply and exhaust fans to run continuously, outside air damper to be open, heating and cooling to be modulated to maintain the discharge air temperature setpoint.
Unoccupied Mode:
Fans to be off, dampers to be closed, heating and cooling to be disabled.
Outside Air Damper:
Outside air damper shall be provided with end switch. Outside air damper must be proven open before fans are started.
Supply Fan:
Supply fan speed shall run continuously at constant speed. If supply fan status is not sensed within 40 sec. (adj.) of a request for fan operation, a supply fan failure alarm shall be annunciated at the BAS.
Discharge Air Temperature Control:
Discharge air temperature setpoint in cooling mode to be 73F (adj.). Discharge air temperature setpoint in heating mode to be 70F (adj.). If discharge air temperature rises above 100F (adj.) or falls below 40F (adj.) for 10 min (adj.), the unit shall shut down and an alarm shall be annunciated at the BAS.
Dehumidification:
When outside air dewpoint rises above the outside air dewpoint setpoint of 58F (adj.), the unit shall enter dehumidification mode.
Filter Status:
A differential pressure switch shall monitor the differential pressure across the filter when the fan is running. If the switch closes for 2 minutes after a request for fan operation, a dirty filter alarm shall be annunciated at the BAS.
Trends:
Discharge air temperature, discharge air temperature setpoint, operating mode, cool capacity, heat capacity, reheat capacity, supply fan status, supply fan speed, outside air damper position.

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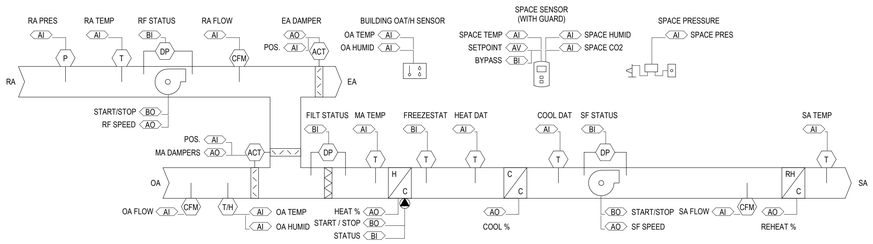
DRAWING TITLE:
TEMPERATURE CONTROL DETAILS

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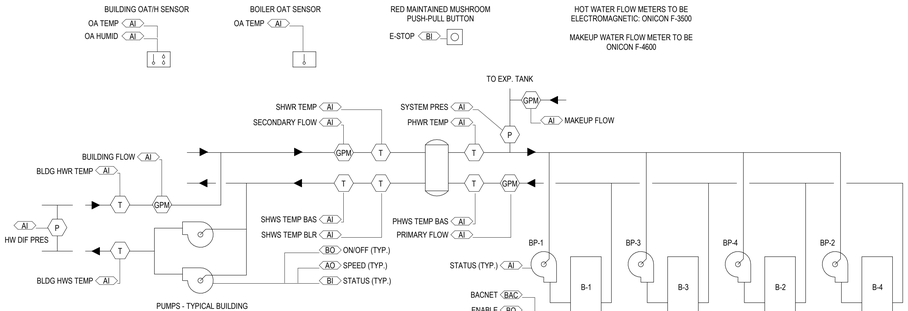
AHU - SZVAV WITH RETURN FAN



Building Automation System Interface:
The BAS shall send the controller schedules, setpoints, and outside air temperature/humidity. If communication with the BAS is lost, the controller shall operate using onboard schedules, setpoints, and outside air temperature/humidity.
Occupied Mode:
Supply fan to run continuously, outside air damper to be open, heating and cooling to be staged/modulated to maintain the occupied heating setpoint of 69F (adj.) and the occupied cooling setpoint of 72F (adj.).
Unoccupied Mode:
Supply fan to run intermittently with heating/cooling operation, outside air damper to remain closed, heating and cooling to be staged/modulated to maintain the unoccupied heating setpoint of 60F (adj.) and the unoccupied cooling setpoint of 85F (adj.).
Occupied Bypass:
If, during unoccupied mode, the bypass button on the space temperature sensor is activated, the unit shall run in occupied mode for 90 min. (adj.) and then return to unoccupied mode.
Optimal Start:
The controller shall use the occupied space temperature setpoints, space temperature, and occupancy schedule to determine when the optimal start occurs. The outside air damper shall remain closed during optimal start unless economizing. Once the space temperature reaches the occupied space temperature setpoint, the unit shall operate in occupied mode.
Supply Fan:
Supply fan speed shall be varied during cooling operation to optimize the minimum fan speed. If supply fan status is not sensed within 40 sec. (adj.) of a request for fan operation, a supply fan failure alarm shall be annunciated at the BAS.
Damper Control - Occupied Operation:
Outside air: modulate to maintain OA flow setpoint
Return air & exhaust air: modulate to maintain building static pressure setpoint at 0.05" (adj.).
Damper Control - Unoccupied Operation:
Outside air: closed
Return air: open
Exhaust air: closed
Return Fan:
Return fan speed shall modulate to maintain RA flow setpoint. RA flow setpoint = SA flow - (OA flow + offset), where offset is set by the balancer. If return fan status is not sensed within 40 sec. (adj.) of a request for fan operation, a return fan failure alarm shall be annunciated at the BAS. If RA duct pressure drops below -0.75" (adj.), RF speed shall be trimmed downwards.
Economizer:
Outside air enthalpy shall compared with the reference enthalpy control setpoint of 28 BTU/LB (adj). The economizer shall enable when outdoor air enthalpy is less than enthalpy control setpoint - 0.5 BTU/LB. The economizer shall disable when outdoor air enthalpy is greater than enthalpy control setpoint + 0.5 BTU/LB. The supply air sensor shall measure the dry bulb temperature of the air leaving the evaporator coil while economizing. When economizing is enabled and the unit is operating in cooling mode, the economizer damper shall be modulated between its minimum position and 100% to maintain the discharge air temperature setpoint. The economizer damper shall modulate toward minimum position in the event the discharge air temperature falls below the discharge air temperature low limit setpoint. Mechanical cooling shall be delayed from operating until the economizer has opened to 100%.
Cooling:
When space temperature rises above the cooling setpoint, the unit controller shall modulate the economizer or the mechanical cooling as required to maintain the space temperature setpoint. Once space temperature falls below setpoint, the mechanical cooling shall be deactivated and the economizer shall return to minimum position. Discharge air temperature setpoint during cooling operation shall be 55F (adj.)
Dehumidification:
When space humidity rises above the space humidity setpoint of 55% (adj.) and no call for heating exists, the unit shall enter dehumidification mode and modulate the mechanical cooling and reheat. If space humidity rises above 70% (adj.) for 20 min. (adj.), an alarm shall be annunciated at the BAS.
Heating:
When space temperature falls below the heating setpoint, the unit controller shall stage/modulate the heating as required to maintain the space temperature setpoint. Once space temperature rises above setpoint, the heating shall be deactivated. Heating discharge air temperature setpoint shall vary with heating demand. Maximum discharge air temperature setpoint during heating operation shall be 95F (adj.).
Preheat & Reheat Modulation:
During a call for heat, the preheat shall be the first stage of heat. Target preheat DAT setpoint is 70F (adj.). If heating DAT >70F (adj.) is required, reheat shall be modulated to achieve DAT setpoint.
Coil Pump:
Pump to run when OAT<40F (adj.) or heat valve is >3% (adj.) open. Alarm on pump failure.
Filter Status:
A differential pressure switch shall monitor the differential pressure across the filter when the fan is running. If the switch closes for 2 minutes after a request for fan operation, a dirty filter alarm shall be annunciated at the BAS.
Space Temperature Alarm
If space temperature is less than 50F (adj.) or greater than 90F (adj.) for 30 min. (adj.), an alarm shall be annunciated at the BAS.
Supply Air Temperature Alarm:
If supply air temperature falls below 40F (adj.) for 5 min. (adj.), an alarm shall be annunciated at the BAS and the unit shall shut down.
Demand Controlled Ventilation:
During occupied operation, the outside air damper shall be open to the minimum position. As space CO2 rises above the DCV modulation threshold of 750 ppm (adj.) the outside air damper shall modulate open from the minimum position. When space CO2 reaches 1200 ppm (adj.), the outside air damper shall be open to the design position.
Trends:
Space temperature, space temperature setpoint, supply air temperature, supply air temperature setpoint, space humidity, space humidity setpoint, supply fan status, supply fan speed, return fan status, return fan speed, outside air damper position, exhaust air damper position, return air damper position, space pressure, space pressure setpoint, space CO2, coil pump status, OA flow, RA flow, SA flow, RA flow setpoint, heating coil leaving air temperature, cooling coil leaving air temperature

Note: air handling units serving auditorium to be controlled as a pair with same setpoints, modes, sequences, etc.

BOILER PLANT



PUMPS - TYPICAL BUILDING

TYPICAL BOILER POINTS

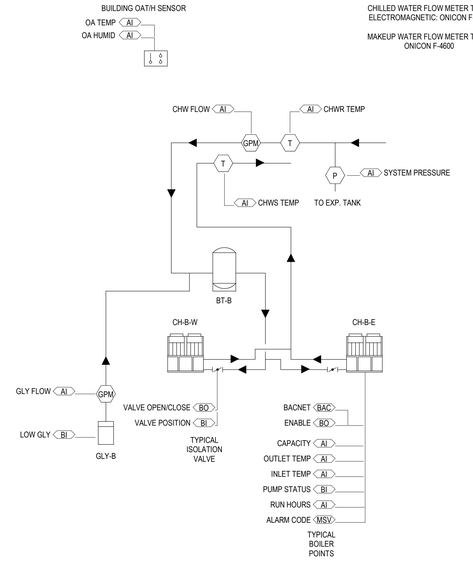
Sequence of Operations
Hot Water Boiler Plant
General Description:
The hot water system consists of multiple boilers and associated pumps. The Building Automation System (BAS) controller shall send enable/disable command and hot water supply temperature setpoint to the boiler onboard controller. If communication with the boilers is lost, they shall fall back to local control.
Heating System Enable/Disable:
The heating system shall be enabled when the outside air temperature falls below 100 deg. F (adj.) or when manually enabled. When enabled, the BAS controller shall enable the boiler master controller and start the secondary hot water pumps. The Boiler master controller shall be in charge of all boiler sequencing required to meet the communicated hot water setpoint.

Heating shall be disabled when the outdoor air temperature is above 105 deg. F (adj.) or when commanded off. When heating is disabled, the secondary hot water pumps and boilers shall be commanded to OFF.
Boiler Control:
The individual boiler lead/lag sequence shall be managed by the Boiler Master Controller Panel. The BAS will not control the cascade sequencing directly. Additionally, starting a lag boiler in the event the lead boiler experiences an alarm shall also be managed by the boiler master control panel. Any failure conditions from boilers shall provide alarms communicated back to the BAS. Provide an alarm index to correlate numerical alarm codes with text descriptions.
Hot Water Reset:
The hot water supply temperature setpoint sent by the BAS shall be linearly reset from 120.0 deg. F (adj.) to 160.0 deg. F (adj.) as the outside air temperature falls from 60.0 deg. F (adj.) to 0.0 deg. F (adj.). The secondary hot water temperature is the controlled value. The hot water supply temperature reset schedule in the onboard boiler controller shall be programmed to match the BAS reset schedule - the onboard schedule will be used when communication with the BAS is lost. The OAT and HWST sensors provided by the boiler manufacturer shall be wired directly to the boiler master controller.
Secondary Hot Water Pumps (Typical for each building):
A secondary hot water pump shall run anytime the boiler plant is enabled. The BAS shall manage pump speed and stage the secondary hot water pumps in a lead/lag fashion as required to meet the differential pressure setpoint. The lead pump shall be rotated on a weekly (adj.) basis. The BAS shall monitor the status of the secondary hot water pumps. Pump failure alarms shall be annunciated at the BAS.
Pump Optimization (Typical for each building):
The BAS shall continually monitor the position of the heating valves in the hot water system.

At hot water system startup, the hot water pressure setpoint is 100% of the maximum pressure setpoint. When all hot water valves are less than 85% open, the hot water differential pressure setpoint shall be lowered by 0.1 psig (adj.) of the current hot water differential pressure setpoint. This occurs every 5 minutes until at least one valve is more than 85% open, or if the setpoint is equal to the minimum hot water differential pressure setpoint, or if the pump VFD's are at minimum speed.

When any hot water valve is more than 95% open, the hot water pressure setpoint shall increases by 0.1 psig (adj.) of the current hot water differential setpoint. This occurs every 5 minutes until no valve is more than 95% open, or if the hot water differential pressure setpoint has risen to the system's maximum setting, or if the pump VFD's are at maximum setting.
Boiler Hot Water Pumps:
The boiler controller shall command the boiler pumps on/off. The BAS shall monitor the status of the boiler pumps. Pump failure alarms shall be annunciated at the BAS.
Emergency Cutout:
Local emergency cutout hardware shall be provided and interlocked to the boiler system. This will allow for manual disable of the boiler system from physical switch in the boiler plant mechanical room.
Alarms:
If the boiler system has been enabled for 30 min. (adj.) and HWST is below 100 degF (adj) or above 190 degF (adj), an alarm shall be annunciated at the BAS.
Makeup Water:
Makeup water total gallons shall be trended and displayed on the hot water plant graphic. Total makeup water volume displayed on graphic shall be reset on a weekly (adj.) basis - total makeup water volume will continue to be trended by the BAS until reset by an operator. System pressure shall also be displayed on the BAS.
Trends:
Primary and secondary hot water supply temperature, secondary hot water supply temperature setpoint, primary and secondary hot water return temperature, primary and secondary flow, building hot water supply and return temperature, building differential pressure, building differential pressure setpoint, building hot water pump status, boiler hot water pump status, makeup water flow, system pressure.

CHILLER PLANT



TYPICAL BOILER POINTS

Sequence of Operations
Chiller Plant
System General Description:
The chilled water system consists of chillers with internal pumps. The BAS shall enable/disable the chilled water plant and maintain the chilled water setpoint.
Chilled Water System Enable/Disable:
The chilled water system shall be enabled based on an increase in outdoor air temperature above the chilled water system enable setpoint: 60 F (adj). When enabled, the BAS controller shall start the lead chiller and associated pump.
Chiller Control:
The BAS shall stage the chillers in a lead/lag fashion to maintain the chilled water supply temperature setpoint. The BAS shall rotate the lead chiller on a weekly (adj.) basis to even the run hours between each chiller.
Chilled Water Supply Temperature Reset:
The chilled water supply temperature setpoint shall be linearly reset from 42 F (adj.) to 47 F (adj.) as the outside air temperature falls from 75 F (adj.) to 50 F (adj.)
Chilled Isolation Valve Control:
The lead chiller isolation valve shall remain open. The lag chiller isolation valve shall be closed unless lag chiller operation is requested.
BAS Alarming:
If the chiller system has been enabled for 30 min (adj.) and CHWST is above 52 F (adj.), an alarm shall be annunciated at the BAS. Pump failure alarms and other chiller-generated alarms shall be displayed on graphic in human readable form (i.e. not numeric codes).
Trending:
Chilled water supply temperature, chilled water return temperature, chilled water supply temperature setpoint, outside air temperature, system pressure, glycol flow, chilled water flow, chiller isolation valve position, chiller capacity, chilled water pump status.

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DRAWING TITLE:
TEMPERATURE CONTROL DETAILS

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GENERAL MECHANICAL SYMBOLS

- REVISION NUMBER - SHOWN ON PLANS
- POINT WHERE NEW CONNECTS TO EXISTING
- NUMBER OF DETAIL ON SHEET / NUMBER OF SHEET WHERE DETAIL APPEARS
- KEYNOTE
- CONTINUATION SYMBOL
- ROOM NAME AND NUMBER
- ITEM TO BE DEMOLISHED
- AREA NOT IN CONTRACT
- 2" — PIPE SIZE TAG (DIAMETER)
- ABOVE GROUND PIPING
- 1/8" / 12" SLOPE — PIPE SLOPE TAG
- BELOW GROUND PIPING
- INVERT: -10' - 1" — PIPE INVERT ELEVATION TAG
- (E) — EXISTING PIPE TAG
- PIPING BEING DEMOLISHED

FIRE PROTECTION SYMBOLS

- FP-D — FIRE PROTECTION DRY
- FP-O — FIRE PROTECTION OTHER
- FP-PA — FIRE PROTECTION PRE-ACTION
- FP-W — FIRE PROTECTION WET
- FP-DOM-W — COMBINATION FIRE & DOMESTIC
- UPRIGHT SPRINKLER HEAD
- PENDENT SPRINKLER HEAD
- RECESSED SPRINKLER HEAD
- CONCEALED SPRINKLER HEAD
- 'D' REPRESENTS DRY SPRINKLER HEAD
- SIDEWALL SPRINKLER HEAD
- EXTENDED COVERAGE SIDEWALL SPRINKLER HEAD
- 48"x18" S/A — OBSTRUCTION FROM DUCTWORK 48" AND GREATER

ABBREVIATIONS

Ø	ROUND	LVR	LOUVER
ABV	ABOVE	LWT	LEAVING WATER TEMPERATURE
AC	AIR CONDITIONING	M/A	MIXED AIR
AD	AREA DRAIN	MAX	MAXIMUM
ADD	ADDENDUM	MBH	ONE THOUSAND BTU PER HOUR
AFF	ABOVE FINISHED FLOOR	MCF	ONE THOUSAND CUBIC FEET
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	MD	MOTORIZED DAMPER
ALT	ALTERNATE	MECH	MECHANICAL
AP	ACCESS PANEL	MFR	MANUFACTURER
ARCH	ARCHITECT/ARCHITECTURAL	MIN	MINIMUM
BFF	BELOW FINISHED FLOOR	MISC	MISCELLANEOUS
BLW	BELOW	MTR	MOTOR
BTU	BRITISH THERMAL UNITS	MUA	MAKE-UP/AIR
BTUH	BRITISH THERMAL UNITS PER HOUR	NC	NOISE CRITERIA
CAP	CAPACITY	NC	NORMALLY CLOSED
CB	CATCH BASIN	NIC	NOT IN CONTRACT
CFM	CUBIC FEET PER MINUTE	NO	NUMBER
CLG	CEILING	NO	NORMALLY OPEN
CO	CLEAN OUT	NTS	NOT TO SCALE
CW	COLD WATER	O	OXYGEN
D	DEGREE	O/A	OUTSIDE AIR
DB	DRY BULB	ORD	OVERFLOW ROOF DRAIN
DIA	DIAMETER	PD	PRESSURE DROP
DN	DOWN	PIV	POST INDICATOR VALVE
DW	DISTILLED WATER	PLBG	PLUMBING
EA	EACH	PRESS	PRESSURE
EAT	ENTERING AIR TEMPERATURE	PRV	PRESSURE REDUCING VALVE
ELEC	ELECTRICAL	PSI	POUNDS PER SQUARE INCH
EQUIP	EQUIPMENT	PSIG	POUNDS PER SQUARE INCH GAUGE
EWC	ELECTRIC WATER COOLER	PWR	POWER
EWT	ENTERING WATER TEMPERATURE	R	DUCT RISER
E/A	EXHAUST AIR	R/A	RETURN AIR
EXIST	EXISTING	RCP	RADIANT CEILING PANEL
F	DEGREES FAHRENHEIT	RD	ROOF DRAIN
FCO	FLOOR CLEAN OUT	REC	RECESSED
FD	FLOOR DRAIN	RED	REDUCER
FD	FIRE DAMPER	RH	RELATIVE HUMIDITY
FDV	FIRE DEPARTMENT VALVE	RLIA	RELIEF AIR
FL	FLOOR	RM	ROOM
FO	FUEL OIL	RPM	REVOLUTIONS PER MINUTE
FOV	FUEL OIL VENT	RW	RAIN WATER
FOR	FUEL OIL RETURN	SF	SQUARE FOOT
FOS	FUEL OIL SUPPLY	S/A	SUPPLY AIR
FPM	FEET PER MINUTE	SAN	SANITARY
FS	FLOOR SINK	SF	SQUARE FOOT
FT	FOOT/FEET	SD	SMOKE DAMPER
FTR	FIN TUBE RADIATION	SM	SURFACE MOUNT
GAL	GALLON	SP	STANDPIPE
GC	GENERAL CONTRACTOR	SP	STATIC PRESSURE
GPM	GALLONS PER MINUTE	STM	STEAM
GW	GREASE WASTE	T	THERMOSTAT
HB	HOSE BIB	TD	TEMPERATURE DROP
HP	HORSE POWER	TDR	TRENCH DRAIN
HTG	HEATING	TEMP	TEMPERATURE
HTR	HEATER	TYP	TYPICAL
HW	HOT WATER	UG	UNDERGROUND
HYD	HYDRANT	VAC	VACUUM
ID	INDIRECT	V	VENT
IN	INCH	VAV	VARIABLE AIR VOLUME
INV	INVERT	VENT	VENTILATION
LB	POUND	VTR	VENT THROUGH ROOF
LB/HR	POUNDS PER HOUR	W	WASTE
LAT	LEAVING AIR TEMPERATURE	WB	WET BULB
LP	LOW PRESSURE	WCO	WALL CLEAN OUT
LPG	LIQUEFIED PETROLEUM GAS	WH	WALL HYDRANT

PLUMBING AND PIPING SYMBOLS

- CHWR — CHILLED WATER RETURN
- CHWS — CHILLED WATER SUPPLY
- CD — CONDENSATE DRAINAGE
- CWR — CONDENSER WATER RETURN
- CWS — CONDENSER WATER SUPPLY
- HWR — HEATING WATER RETURN
- HWS — HEATING WATER SUPPLY
- G — NATURAL GAS
- PG — PROPANE GAS
- REF-L — REFRIGERANT-LIQUID
- REF-S — REFRIGERANT-SUCTION
- REF-HG — REFRIGERANT-HOT GAS
- STM — STEAM
- CDR — CONDENSATE RETURN
- CW — COMBINATION WASTE & VENT
- CA — COMPRESSED AIR
- CW — DOMESTIC COLD WATER
- H-CW — HARD COLD WATER
- S-CW — SOFT COLD WATER
- F-CW — FILTERED COLD WATER
- RO — REVERSE OSMOSIS WATER
- HW — HOT WATER
- HW 140° — HOT WATER 140°
- HW-R — HOT WATER RECIRCULATION
- HW-R 140° — HOT WATER RECIRCULATION 140°
- GV — GREASE VENT
- GW — GREASE WASTE
- IW — INDIRECT WASTE
- OV — OIL VENT
- OW — OIL WASTE
- PD — PUMP DISCHARGE
- V — SANITARY VENT
- SS — SANITARY SEWER
- SHWR — SOLAR HOT WATER RETURN
- SHWS — SOLAR HOT WATER SUPPLY
- SD — STORM DRAINAGE
- OSD — OVERFLOW STORM DRAINAGE

PIPE DROP, PIPE RISE, PIPE TEE, CAP, PLUG, REDUCING 45 DEGREE TEE, 45 DEGREE TEE

PIPE ACCESSORY TAGS

- 2" DOM. WM — DOMESTIC WATER METER
- 2" BALANCING — BALANCING VALVE
- 2" SHUTOFF — 1/4 TURN BALL VALVE
- 2" CHECK — CHECK VALVE
- 2" TMV — 3-WAY MIXING VALVE
- 2" M-CNTRL — MOTORIZED CONTROL VALVE
- 2" 3-WAY CNTRL — 3 WAY MOTORIZED CONTROL VALVE
- 2" PRV — PRESSURE REDUCING VALVE
- 3/8" SOLENOID — REFRIGERANT SOLENOID VALVE
- 2" BUTTERFLY — BUTTERFLY VALVE

DRAIN TAGS

- FLOOR DRAIN — 4" FD-1 — TYPE (SCHEDULE) — 4" AD-6 — AREA DRAIN
- FLOOR DRAIN — 4" FD-3P — "P" - INDICATES PRIMER CONNECTION — 4" SD-29 — DECK DRAIN
- FLOOR SINK — 4" FS-4 — 4" SD-12 — FLOW CONTROL DRAIN
- HUB DRAIN — 4" FD-13 — 8 WFU — FIXTURE UNITS — 4" SD-15 — STORM DRAIN
- ROOF AREA SERVED BY DRAIN — 4000 SF — 6" SD-1 — COMBINATION DRAINS

PLUMBING FIXTURE TAGS

TYPE (SEQUENCE) — LAV-1A — 1.5 CWFU / 1.5 HWFU — FIXTURE UNITS — WATER CLOSET - WALL HUNG - ADA — WC-1A — WC-1 — LAV-1A — 1 WFU — U-1 — PIPE ACCESSORY TAG — 4" WCO — 4" WCO

EQUIPMENT ABBREVIATIONS

AC	AIR CONDITIONING UNIT	EWH	ELECTRIC WATER HEATER
ACC	AIR COOLED CONDENSER	FCU	FAN COIL UNIT
ACCU	AIR COOLING CONDENSING UNIT	FP	FIRE PUMP
AHU	AIR HANDLING UNIT	GI	GREASE INTERCEPTOR
AS	AIR SEPARATOR	GRV	GRAVITY ROOF VENTILATOR
B	BOILER	HWP	HEATING WATER PUMP
CH	CHILLER	HX	HEAT EXCHANGER
CT	COOLING TOWER	HRU	HEAT RECOVERY UNIT
CUH	CABINET UNIT HEATER	PRV	POWER ROOF VENTILATOR
CWP	CONDENSER WATER PUMP	RE	RETURN/EXHAUST FAN
CWHP	CHILLED WATER PUMP	RTU	ROOFTOP UNIT
DBP	DOMESTIC WATER BOOSTER PUMP	SEP	SEWAGE EJECTOR PUMP
DC	DUCT MOUNTED COIL	SF	SUPPLY FAN
DCP	DOMESTIC WATER CIRCULATING PUMP	SP	SUMP PUMP
EF	EXHAUST FAN	UH	UNIT HEATER
EDC	ELECTRIC DUCT COIL	WH	WATER HEATER
ET	EXPANSION TANK		

HVAC SYMBOLS

- 16"x8" — SQUARE DUCT SIZE TAG (WIDTH x HEIGHT)
- 16"/8" — OVAL DUCT SIZE TAG (WIDTH / HEIGHT)
- 16"Ø — ROUND DUCT SIZE TAG (DIAMETER)
- (E) — EXISTING DUCT TAG
- DUCT BEING DEMOLISHED
- S/A — SUPPLY AIR
- S-O/A — CONDITIONED OUTSIDE AIR
- O/A — OUTSIDE AIR
- R/A — RETURN AIR
- T/A — TRANSFER AIR
- E/A — EXHAUST AIR
- L/A — RELIEF AIR
- GE/A — GREASE EXHAUST AIR
- SE/A — SMOKE EXHAUST AIR
- FLUE — EXHAUST GAS FLUE
- C/A — COMBUSTION AIR
- DROP — RECTANGULAR SUPPLY/OUTSIDE AIR DUCT RISE
- DROP — ROUND SUPPLY/OUTSIDE AIR DUCT RISE
- DROP — RECTANGULAR RETURN/TRANSFER AIR DUCT RISE
- DROP — ROUND RETURN/TRANSFER AIR DUCT RISE
- DROP — RECTANGULAR EXHAUST/RELIEF AIR DUCT RISE
- DROP — ROUND EXHAUST/RELIEF AIR DUCT RISE

GRILLES, REGISTERS & DIFFUSERS TAG

TYPE (SEE SCHEDULE) — SD1 | 400 | 10" / 24x24 | (2) H-5/7/14 — CFM, NECK SIZE / MODULE SIZE, THROW-150FPM/ 100FPM/ 50FPM, THROW PATTERN, MAX NC RATING

- 3-CONE DIFFUSER
- PERFORATED DIFFUSER WITH DEFLECTORS — SD3 | 300 | 8" / 24x24
- ROUND DIFFUSER WITH ADJUSTABLE PATTERNS — SD9 | 400 | 12" / ---
- LOUVERED DOUBLE DEFLECTION GRILLE — SG7 | 500 | 12"x10" / ---
- LINEAR BAR GRILLE — SLB3 | 400 | 48"x 2 1/2"
- RG2 | 500 | 12"x10" / 24x24 | 1B — EGGCRATE RETURN GRILLE
- RG9 | 500 | 12"x10" / 24x12 — LOUVERED GRILLE

LINEAR DIFFUSER TAG

TYPE (SEQUENCE) — LSD1 | 200 | 1 / 4' - 0" / 8" | 8' - 0" AFF — CFM, NUMBER OF SLOTS / ACTIVE SLOT LENGTH (PLENUM LENGTH) / NECK SIZE, ELEVATION (CENTER OF FACE), SECTION TOTAL TRACK LENGTH

LSD1 | 200 | 1 / 4' - 0" / 8"

LINEAR SLOT DIFFUSER — 18' - 0" — LSD1 | 200 | 1 / 4' - 0" / 8" — B B B — INLET COLLAR DAMPER

MECHANICAL EQUIPMENT TAGS

- VAV-XX — Htg: 3.7 GPM — HEATING COIL FLOW — VAV BOX
- VAV-XX — 10' - 0" — BOTTOM OF EQUIPMENT ELEVATION
- (E)VAV-XX — EXISTING EQUIPMENT TO REMAIN
- VAV-XX — EQUIPMENT BY OTHERS (REFER TO OTHER DISCIPLINE FOR ADDITIONAL INFORMATION)
- RTU-XX — OPERATING WEIGHT NOT INCLUDING CURB — 590 lb
- RTU-XX — 4.0 ton — NOMINAL COOLING CAPACITY — ROOFTOP UNIT
- RTU-XX — FUEL INPUT / GAS PIPE FLOW — 115000 Btu/h / 115 CFH

DATA DEVICE TAGS

SYMBOL / EQUIPMENT ID

- CARBON DIOXIDE SENSOR — CO2 | TH | RTU-XX — TEMPERATURE & HUMIDITY SENSOR
- CARBON MONOXIDE SENSOR — CO | TS | VAV-XX — TEMPERATURE SENSOR
- NITROGEN DIOXIDE SENSOR — NO2 | T — THERMOSTAT
- HUMIDITY SENSOR — HS | MS — MANUAL SWITCH
- HUMIDISTAT — H | S — SENSOR

DAMPER TAGS

- FIRE DAMPER — F — B — MANUAL BALANCING DAMPER
- SMOKE DAMPER — S — D — BACKDRAFT DAMPER
- MOTORIZED DAMPER — M — C — COMBINATION FIRE/SMOKE DAMPER

GENERAL PLUMBING NOTES

1. OBTAIN AND PAY ALL FEES AND PERMITS TO ALL PRIVATE AND PUBLIC AGENCIES HAVING JURISDICTION.
2. OSHA RULES, REGULATIONS AND REQUIREMENTS ARE A PART OF THIS PROJECT. CONTRACTOR SHALL FOLLOW THEM ALONG WITH FEDERAL, STATE AND LOCAL REQUIREMENTS FOR THE SAFETY OF WORKERS ON THE JOB AND PASSERS-BY.
3. CONSULT AND CHECK AT ALL TIMES THE LATEST ARCHITECTURAL AND PLUMBING DRAWINGS, WHICH ARE A PART OF THIS CONTRACT, FOR EXACT LOCATION OF EACH PLUMBING FIXTURE, EQUIPMENT AND DRAIN AND WATER REQUIREMENTS.
4. ALL WORK SHALL CONFORM TO ALL LOCAL CODES, AUTHORITIES AND INDUSTRY STANDARDS INCLUDING, BUT NOT LIMITED TO, INTERNATIONAL PLUMBING CODE AND ILLINOIS PLUMBING CODE.
5. COORDINATE ALL EQUIPMENT CONNECTIONS, SIZES AND LOCATIONS WITH ACTUAL EQUIPMENT DELIVERED, INCLUDING EQUIPMENT FURNISHED BY OTHER CONTRACTORS AND/OR THE OWNER. PROVIDE ALL NECESSARY FITTINGS AND ADAPTERS REQUIRED FOR FINAL CONNECTIONS. PROVIDE SHUT-OFF VALVES FOR ALL WATER CONNECTIONS TO EQUIPMENT.
6. FOR CLARITY, THESE DOCUMENTS DO NOT NECESSARILY SHOW EVERY OFFSET, FITTING, VALVE, ETC.
7. THE PLUMBING CONTRACTOR SHALL PROVIDE, DELIVER, AND INSTALL ALL NEW PLUMBING SYSTEMS, PLUMBING FIXTURES, WASTE, VENT, HOT AND COLD WATER DISTRIBUTION PIPING AS SPECIFIED, AS WELL AS ALL ACCESSORIES, AND EQUIPMENT AND SPECIALTIES MATERIALS NOT SPECIFIED BUT NECESSARY FOR COMPLETE INSTALLATION, GUARANTEE AND SERVICE.
8. ALL EXCAVATION AND BACKFILLING FOR THE ENTIRE PLUMBING INSTALLATION SHALL BE PROVIDED BY THE PLUMBING CONTRACTOR.
9. PLUMBING CONTRACTOR SHALL FILL AND DRAIN EXISTING AND NEW DOMESTIC WATER LINES AS REQUIRED TO INSTALL PLUMBING SYSTEM.
10. ALL HANGERS, RODS, SUPPORTS, SUPPLIES, UNISTRUTS, P-TRAPS, STOPS, VALVES, SLEEVES, AND MISCELLANEOUS ITEMS SHALL BE FURNISHED AND INSTALLED BY PLUMBING CONTRACTOR AS REQUIRED IN FIELD.
11. ROUTE ALL PIPING TIGHT TO STRUCTURE ABOVE IN EXPOSED CEILINGS.
12. DO NOT ROUTE DOMESTIC WATER PIPING OVER ELECTRICAL PANELS.
13. PROVIDE CAULK AROUND ALL PIPES AT ALL WALL PENETRATIONS.
14. PROVIDE P-TRAP ON FIXTURE NOT HAVING AN INTEGRAL PART OF THE SAME INTO WASTE LINE.
15. TRAP SEALS SUBJECT TO EVAPORATION SHALL BE PROTECTED IN ACCORDANCE WITH 890.410F OF THE ILLINOIS PLUMBING CODE.
16. TEMPERED HOT WATER NOT TO EXCEED 110 DEGREES TO BE SUPPLIED TO ALL PUBLIC LAVATORIES.
17. 100 PSI AIR TEST OR WATER PRESSURE REQUIRED ON WATER PIPING AT TIME OF ROUGH INSPECTION.
18. PROVIDE INSULATION WITH FACTORY APPLIED ALL SERVICE JACKET FOR ALL HOT AND COLD WATER PIPING.
19. UNLESS OTHERWISE NOTED ON THE ARCHITECTURAL DRAWINGS, THE PLUMBING CONTRACTOR SHALL CUT, PATCH, AND MATCH EXISTING CONDITIONS AS REQUIRED TO REMOVE AND INSTALL WORK.

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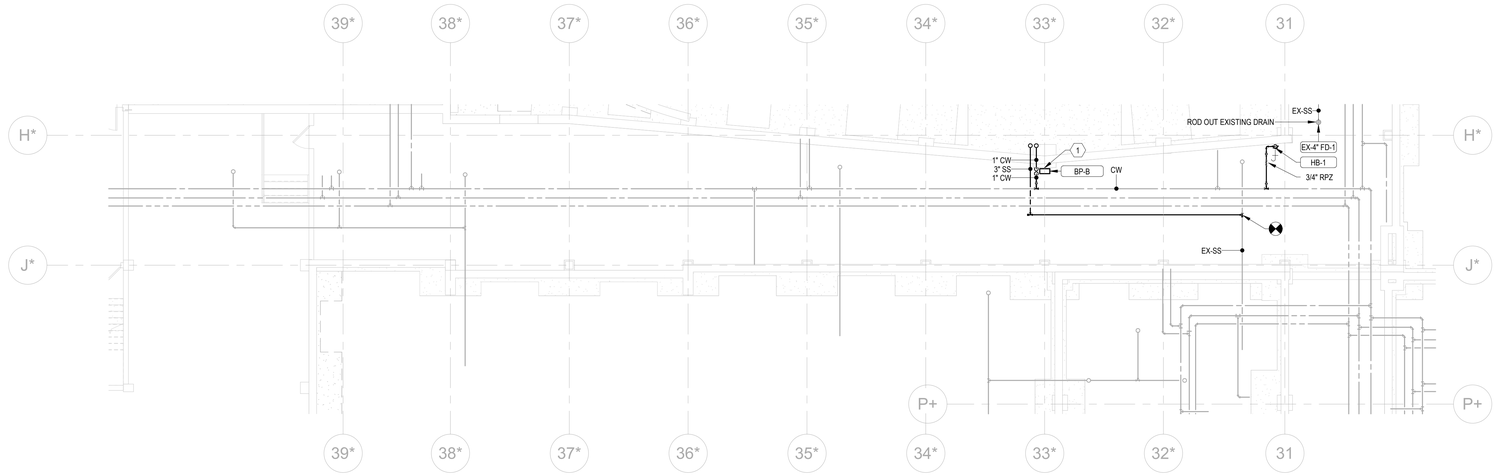
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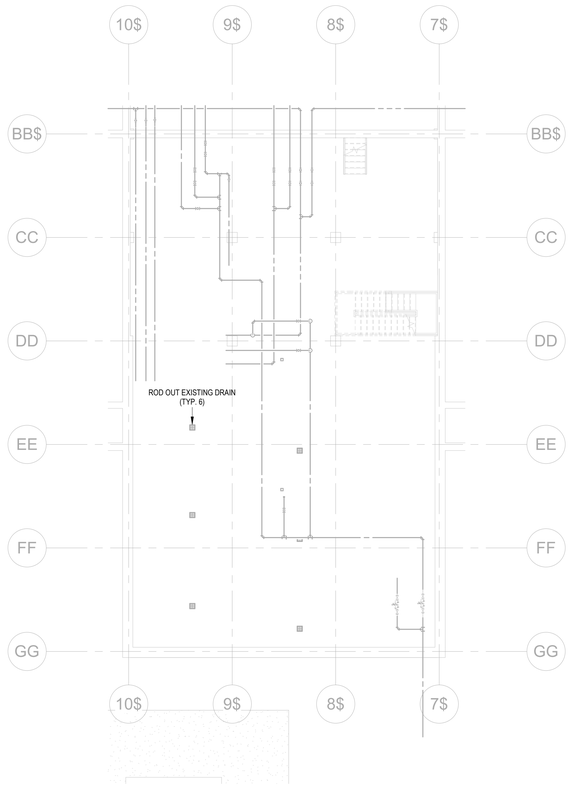
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KEYNOTES

1 MOUNT BOOSTER PUMP ON WALL BRACKET ~ 48" ABOVE FLOOR.



NORTH 1 PARTIAL TUNNEL PLUMBING PLAN - AREA B
1/8" = 1'-0"



NORTH 5 BOILER ROOM MECHANICAL PLAN
1/8" = 1'-0"

NORTH 2 MECHANICAL ROOM PLUMBING PLAN - AREA B
1/8" = 1'-0"

NORTH 3 PARTIAL CORRIDOR PLUMBING PLAN - AREA B
1/8" = 1'-0"

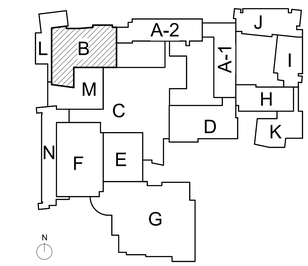
NORTH 4 PARTIAL ROOF PLUMBING PLAN - AREA B
1/8" = 1'-0"

PLUMBING FIXTURE SCHEDULE - PURCHASED BY CONTRACTOR								
MARK	CW	HW	WASTE	VENT	MFR	MODEL	DESCRIPTION	REMARKS
HB-1	0.75"	-	-	-	WOODFORD	B21	WALL HYDRANT, CHROME FINISH, METAL WHEEL HANDLE	-
JS-1	-	-	3"	2"	FIAT	MSB2424	24"X24" MOLDED STONE MOP BASIN WITH STAINLESS STEEL WALL GUARDS, HOSE, HOSE BRACKET, AND MOP HANGER.	FAUCET: ELKAY LK945BP07L2T WALL MOUNTED, LEAD FREE, LEVER HANDLE, VACUUM BREAKER, PAIL HOOK, CHROME PLATE FINISH.
RH-1	1"	-	-	-	WOODFORD	RHY2-1-MS	ROOF HYDRANT, FREEZE PROOF, SELF DRAINING, ASSE 1052, VACUUM BREAKER, ROOF MOUNTING KIT. ROUTE DRAIN TO NEAREST DRAIN.	-
RPZ	1"	-	-	-	WATTS	LF909	REDUCED PRESSURE ZONE ASSEMBLY, ASSE1013, LEAD FREE, COPPER SILICON BRONZE BODY, STAINLESS STEEL CHECKS	PROVIDE WITH STRAINER. PROVIDE WITH AIR GAP AND PIPE TO DRAIN

PLUMBING EQUIPMENT SCHEDULE - PURCHASED BY CO-OP								
MARK	CW	HW	WASTE	VENT	MFR	MODEL	DESCRIPTION	REMARKS
BP-B	1"	-	-	-	GRUNDFOS	SCALA2	DOMESTIC BOOSTER PUMP, WATER-COOLED EC MOTOR, BUILT-IN PRESSURE SENSOR & ONBOARD CONTROLS, SELF PRIMING.	3 GPM @ 25'. ELECTRIC: 120/1, 0.55 KW.

PLUMBING PIPING SCHEDULE				
SYSTEM	MATERIAL	JOINTS	INSULATION	INSULATION TYPE
COLD WATER, ALL SIZES	TYPE L COPPER	PRESS / SOLDER	1"	FIBERGLASS
WASTE & VENT - NON PLENUM	SCH 40 PVC	SOLVENT WELD	1"	FIBERGLASS
WASTE & VENT - PLENUM	DUCTILE IRON	HUBLESS	1"	FIBERGLASS

KEY PLAN



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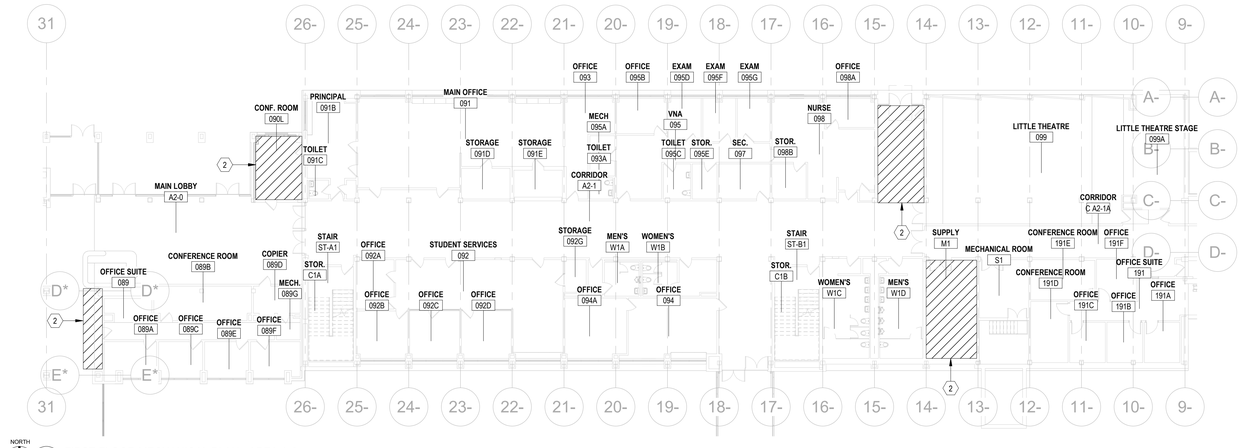
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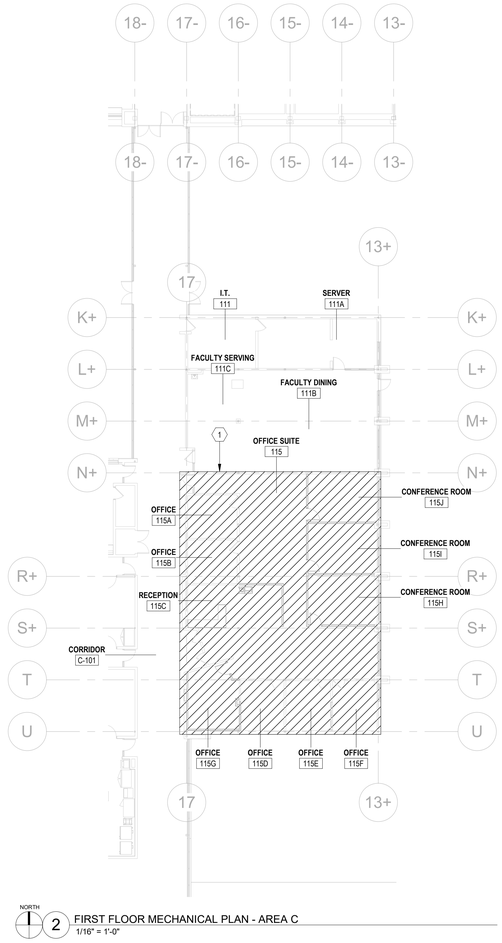
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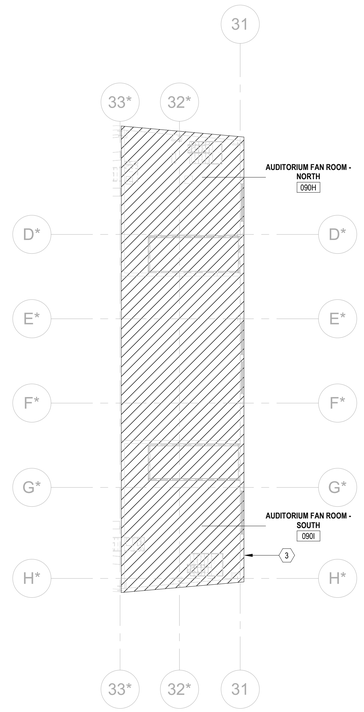
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NORTH 1 FIRST FLOOR MECHANICAL PLAN - AREA A-2
1/16" = 1'-0"



NORTH 2 FIRST FLOOR MECHANICAL PLAN - AREA C
1/16" = 1'-0"



NORTH 3 MEZZANINE MECHANICAL PLAN - AREA B
1/16" = 1'-0"

NORTH 4 FIRST FLOOR MECHANICAL PLAN - AREA D
1/16" = 1'-0"

KEYNOTES

1. MODIFY EXISTING FIRE PROTECTION SYSTEMS FOR NEW CONFERENCE AREA LAYOUT. PROVIDE NEW SPRINKLER HEADS AND BRANCH PIPING AS REQUIRED. ADJUST LOCATIONS OF EXISTING PIPING IN PLANS AND ELEVATION TO SUPPORT INSTALLATION OF NEW WORK.
2. MODIFY EXISTING BRANCH PIPING AND SPRINKLER HEADS AS REQUIRED TO SUPPORT INSTALLATION OF NEW WORK.
3. MODIFY EXISTING SPRINKLER PIPING AND HEADS AS REQUIRED TO REMOVE AND INSTALL WORK.
4. MODIFY EXISTING BRANCH PIPING AS REQUIRED TO REMOVE AND INSTALL WORK. PROVIDE NEW SPRINKLER HEADS IN NEW CEILING.
5. REROUTE ANY EXISTING SPRINKLER PIPING IN THE VICINITY OF NEW ROOF HATCH.

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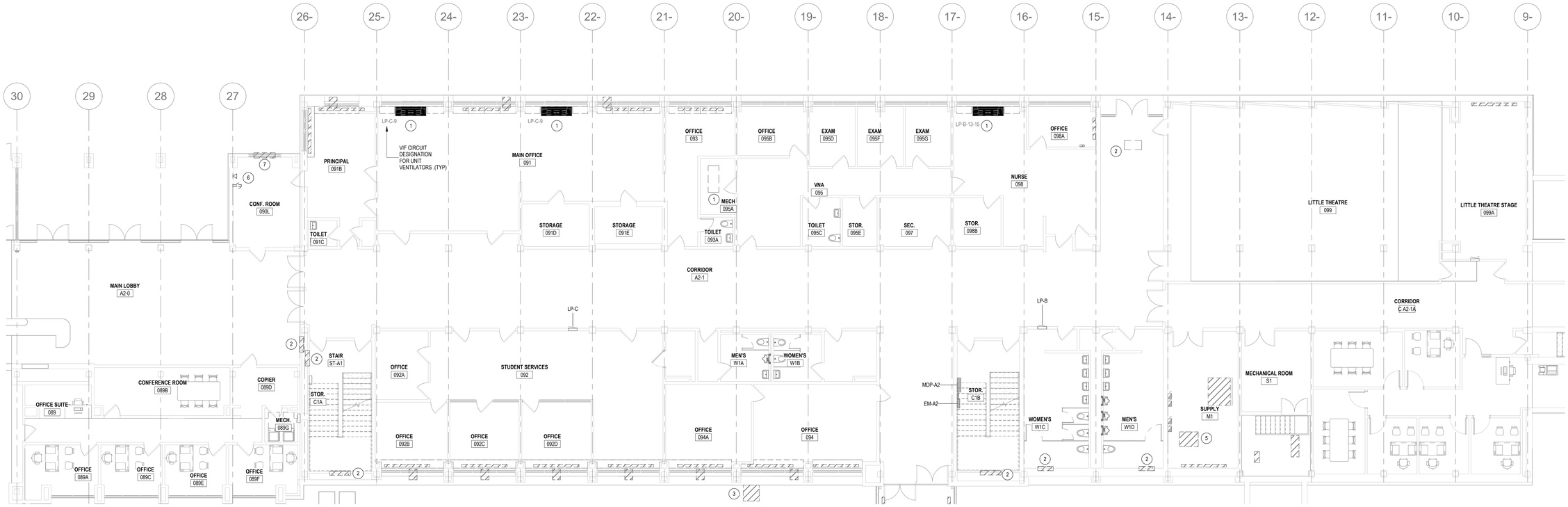
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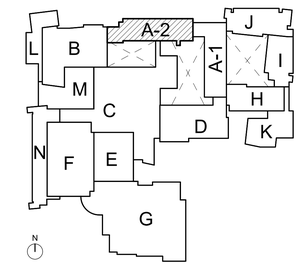
ELECTRICAL DEMOLITION KEYNOTES

1. DISCONNECT AND REMOVE UNIT VENTILATORS. EC TO VERIFY EXISTING UNIVENT CIRCUIT TO BE REUSED FOR NEW WORK. SEE NEW WORK FOR ADDITIONAL CIRCUITS NEEDED FOR NEW UNIT VENTILATOR TO ACCOMMODATE TWO EQUIPMENT CIRCUITS PER 20A BRANCH CIRCUIT.
2. DISCONNECT AND REMOVE UNIT HEATERS, AND DEMOLISH ASSOCIATED WIRING BACK TO SOURCE.
3. DISCONNECT AND REMOVE CONDENSING UNIT, AND DEMOLISH ASSOCIATED WIRING BACK TO SOURCE.
4. REFER TO GENERAL ELECTRICAL DEMOLITION NOTE 3 FOR CEILING AREAS IMPACTED BY THE DEMOLITION OF EXISTING MECHANICAL EQUIPMENT LOCATED ABOVE THE CEILING.
5. DISCONNECT EXISTING POWER CONNECTION TO EXISTING AIR HANDLING UNIT AND REMOVE ASSOCIATED DISCONNECT SWITCH, STARTER AND CONTROLS. SECURE AND CAP EXISTING WIRING BACK TO SOURCE. VERIFY IF EQUIPMENT IS FED FROM MDP-A2.
6. REMOVE AND REINSTALL ELECTRICAL DEVICES ON THIS WALL IN PREPARATION FOR NEW WORK.
7. DISCONNECT AND REMOVE EXISTING PTAC, AND DEMOLISH ASSOCIATED WIRING BACK TO SOURCE.



NORTH 1 FIRST FLOOR ELECTRICAL DEMOLITION PLAN - AREA A-2
1/8" = 1'-0"

KEY PLAN



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CONSULTANTS:

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EAHS MECHANICAL IMPROVEMENTS
PHASE III
500 TOMCAT LN.
AURORA, IL 60506

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CC JOB NUMBER 261012

DATE 10.01.2026

REVISIONS:

#	Description	Date

DRAWING TITLE:
FIRST FLOOR ELECTRICAL DEMOLITION PLAN

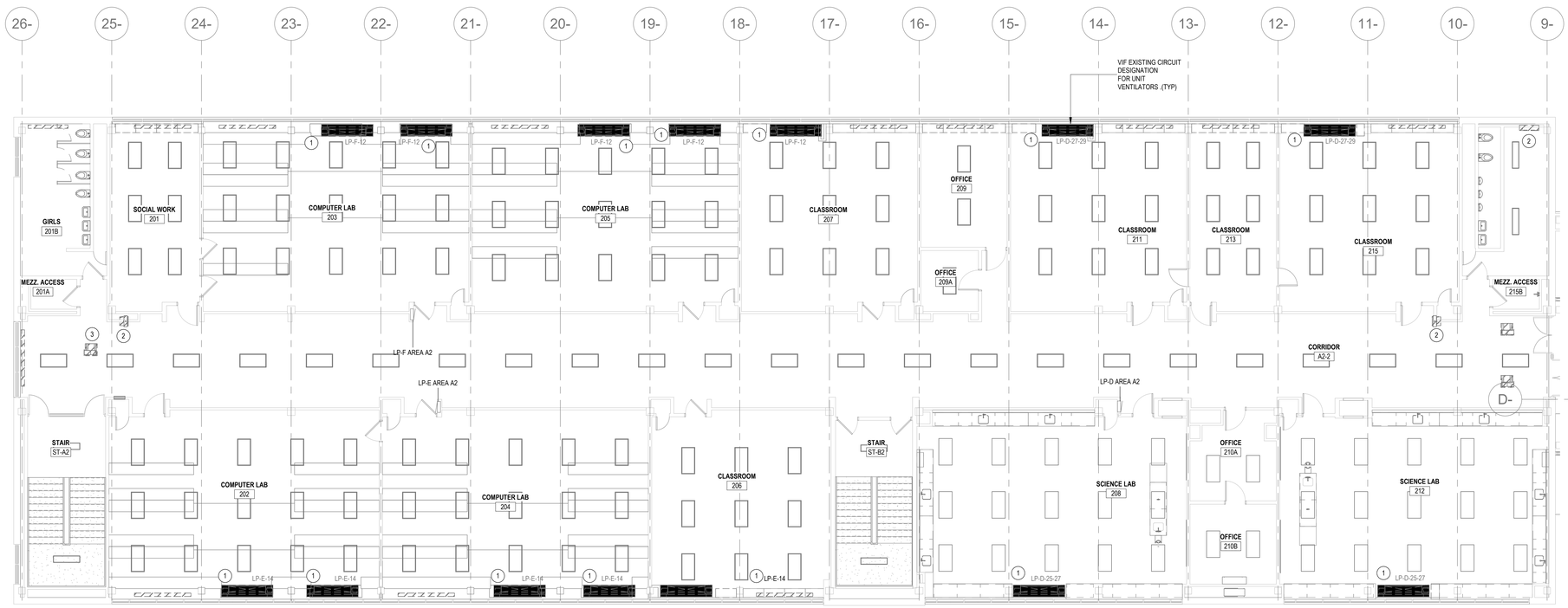
A2-E0.1

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10/1/2026 10:39:13 AM

ELECTRICAL DEMOLITION KEYNOTES

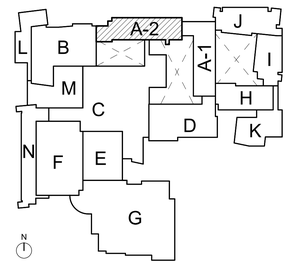
1. DISCONNECT AND REMOVE UNIT VENTILATORS. EC TO VERIFY EXISTING UNIVENT CIRCUIT TO BE REUSED FOR NEW WORK; SEE NEW WORK FOR ADDITIONAL CIRCUITS NEEDED FOR NEW UNIT VENTILATOR TO ACCOMMODATE TWO EQUIPMENT CIRCUITS PER 20A BRANCH CIRCUIT.
2. DISCONNECT AND REMOVE UNIT HEATERS, AND DEMOLISH ASSOCIATED WIRING BACK TO SOURCE.
3. DISCONNECT AND REMOVE EXHAUST FANS, AND DEMOLISH ASSOCIATED WIRING BACK TO SOURCE.
4. REFER TO GENERAL ELECTRICAL DEMOLITION NOTE 3 FOR CEILING AREAS IMPACTED BY THE DEMOLITION OF EXISTING MECHANICAL EQUIPMENT LOCATED ABOVE THE CEILING.



NORTH

1 SECOND FLOOR ELECTRICAL DEMOLITION PLAN - AREA A-2
1/8" = 1'-0"

KEY PLAN



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ARCHITECT:

CONSULTANTS:

STAIR
ST-C2

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DATE 10.01.2026

REVISIONS:

#	Description	Date

DRAWING TITLE:
SECOND FLOOR ELECTRICAL DEMOLITION PLAN

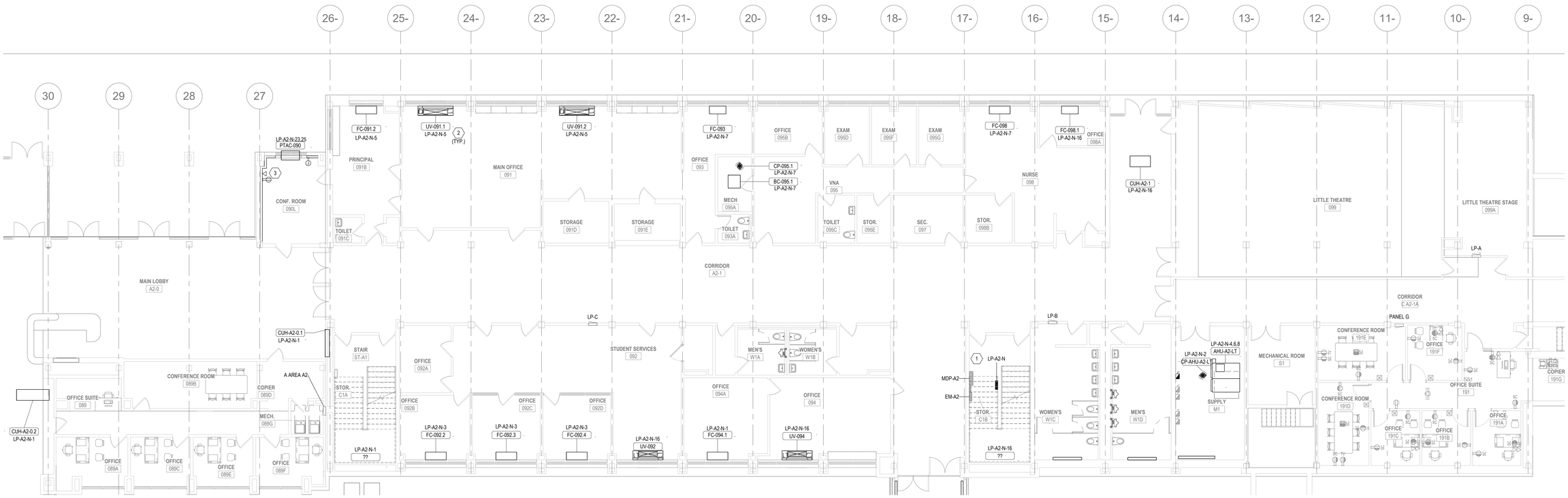
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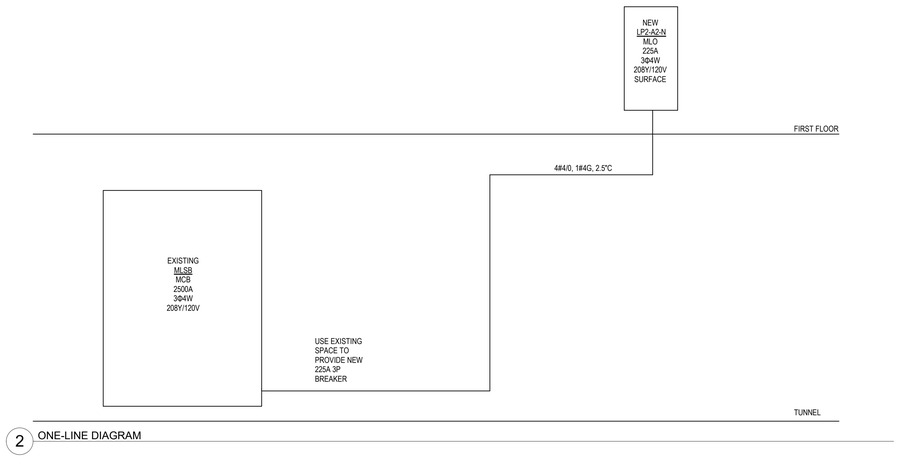
ELECTRICAL POWER KEYNOTES

1. NEW 225A 208Y/120 PANELBOARD LP-A2-N; SEE DETAIL 2 ON THIS SHEET FOR MORE INFO.
2. PROVIDE ADDITIONAL BRANCH CIRCUIT TO EXISTING CIRCUIT TO ACCOMMODATE TWO UNIT VENTILATOR IN ONE BRANCH CIRCUIT. SEE CIRCUIT DESIGNATION FOR MORE INFORMATION.
3. EXISTING ELECTRICAL DEVICES TO BE REINSTALLED AT NEW FURRED WALL.



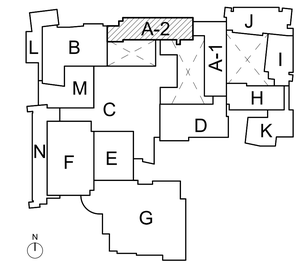
NORTH

1 FIRST FLOOR ELECTRICAL POWER PLAN - AREA A-2
1/8" = 1'-0"



2 ONE-LINE DIAGRAM

KEY PLAN



CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

EA

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REVISIONS:

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DRAWING TITLE:
FIRST FLOOR ELECTRICAL POWER PLAN

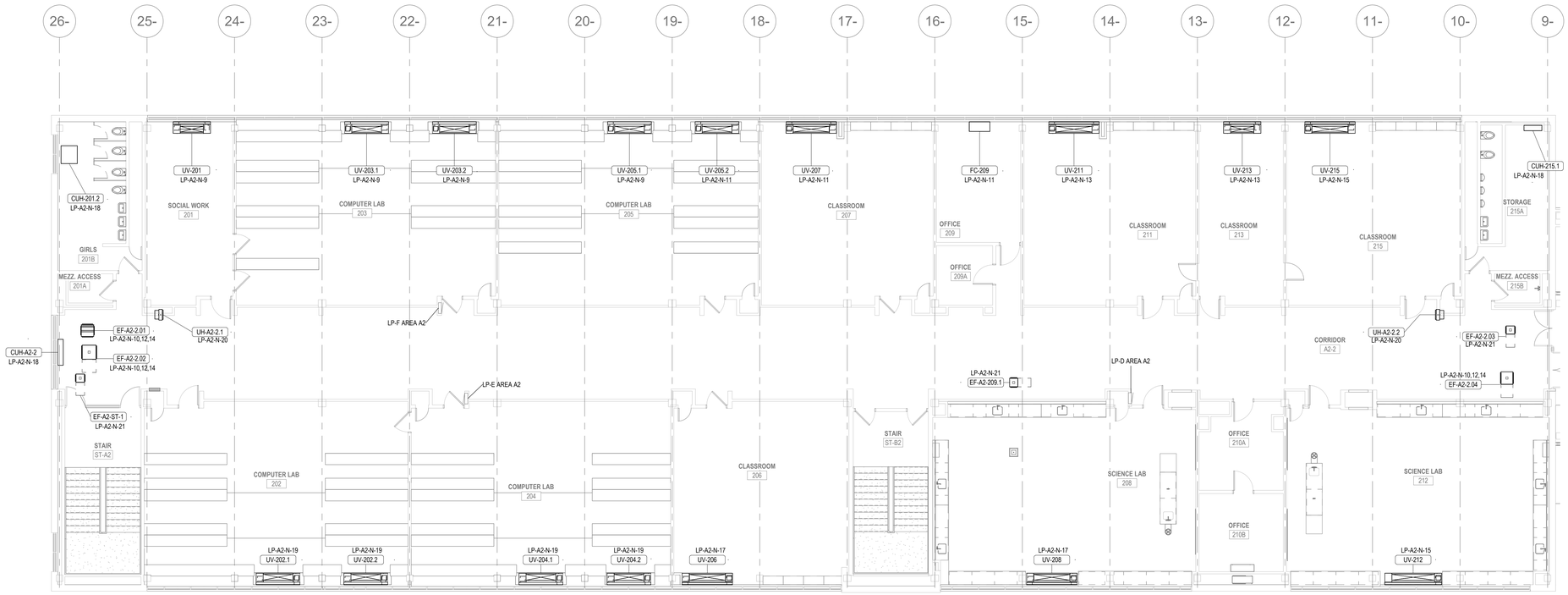
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ELECTRICAL POWER KEYNOTES

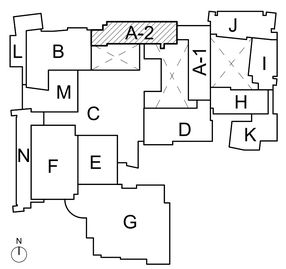
1. PROVIDE ADDITIONAL BRANCH CIRCUIT TO EXISTING CIRCUIT TO ACCOMODATE TWO UNIT VENTILATOR IN ONE BRANCH CIRCUIT. SEE CIRCUIT DESIGNATION FOR MORE INFORMATION.



NORTH

1 SECOND FLOOR ELECTRICAL POWER PLAN - AREA A-2
1/8" = 1'-0"

KEY PLAN



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ARCHITECT:

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REVISIONS:

#	Description	Date

DRAWING TITLE:
SECOND FLOOR ELECTRICAL POWER PLAN

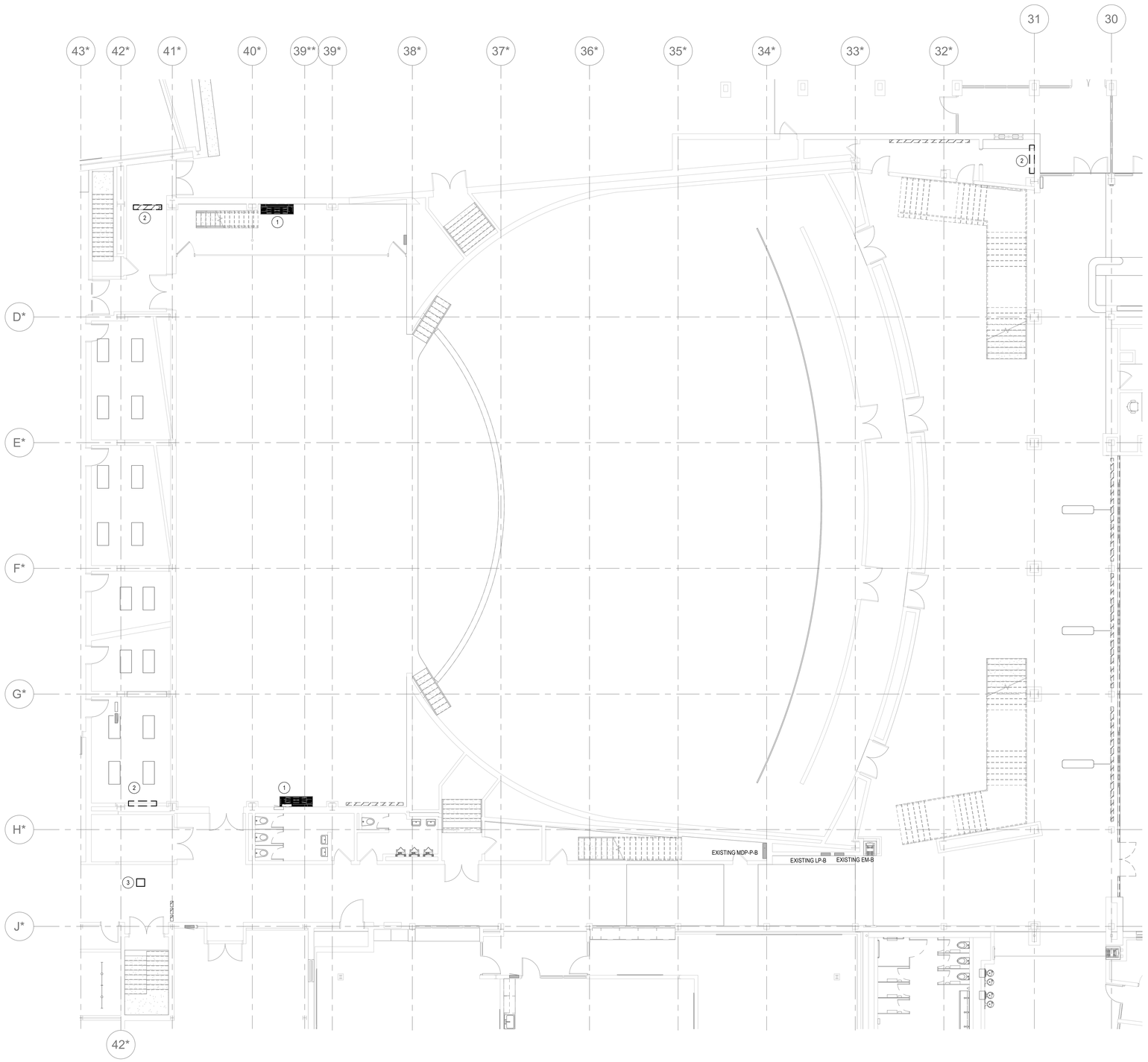
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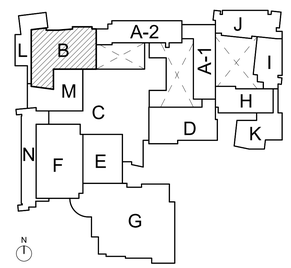
ELECTRICAL DEMOLITION KEYNOTES

1. DISCONNECT AND REMOVE UNIT VENTILATORS. DEMO WIRING BACK TO SOURCE.
2. DISCONNECT AND REMOVE UNIT HEATERS, AND DEMOLISH ASSOCIATED WIRING BACK TO SOURCE.
3. DISCONNECT AND REMOVE EXHAUST FAN, AND DEMOLISH ASSOCIATED WIRING BACK TO SOURCE.



NORTH 1 FIRST FLOOR ELECTRICAL DEMOLITION PLAN - AREA B
1/8" = 1'-0"

KEY PLAN



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CONSULTANTS:

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REVISIONS:

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DRAWING TITLE:
FIRST FLOOR ELECTRICAL DEMOLITION PLAN

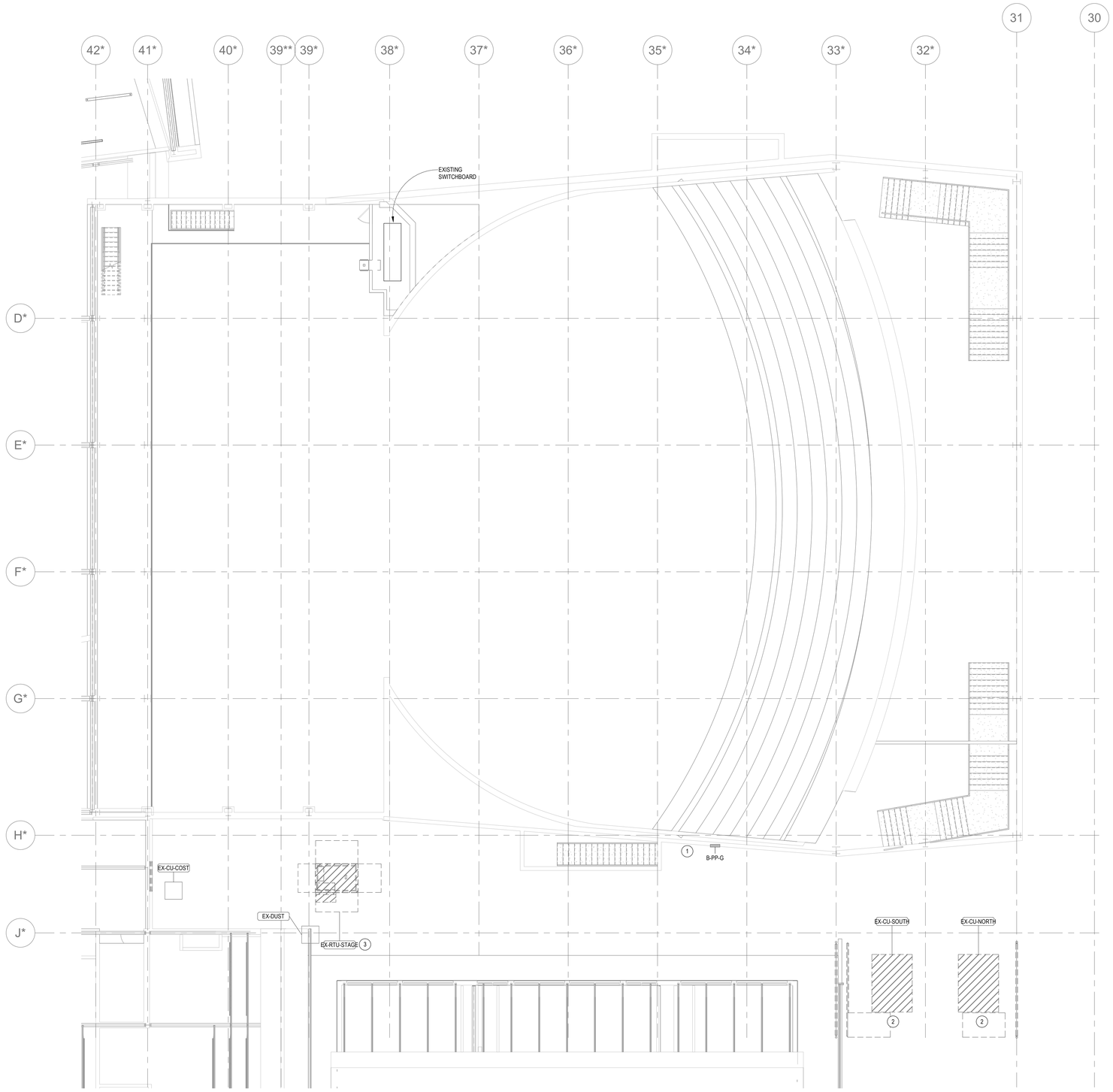
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ISSUED FOR BID SET - 10.01.2026

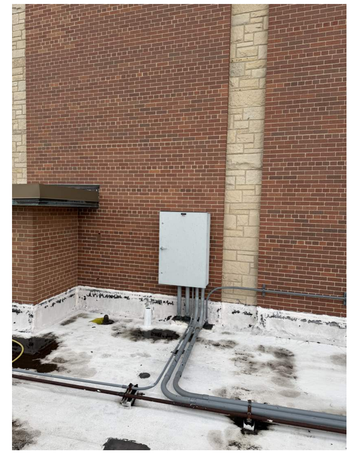
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ELECTRICAL DEMOLITION KEYNOTES

1. APPROXIMATE LOCATION OF EXISTING PANEL B-PP-G ON THE ROOF. SEE IMAGE BELOW FOR REFERENCE.
2. DISCONNECT EXISTING POWER CONNECTION TO EXISTING CHILLER AND REMOVE ASSOCIATED DISCONNECT SWITCH AND CONTROLS. SECURE AND CAP EXISTING WIRING BACK TO SOURCE. BOTH CHILLERS ARE FED FROM PANEL B-PPG.
3. DISCONNECT EXISTING POWER CONNECTION TO EXISTING RTU AND REMOVE ASSOCIATED DISCONNECT SWITCH AND CONTROLS. SECURE AND CAP EXISTING WIRING BACK TO SOURCE. EXISTING RT-1 FED FROM PANEL B-PPG.

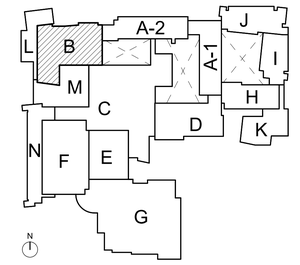


NORTH
1 BALCONY ELECTRICAL DEMOLITION PLAN - AREA B
1/8" = 1'-0"



2 PANEL B-PP-G

KEY PLAN



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DRAWING TITLE:
BALCONY ELECTRICAL DEMOLITION PLAN

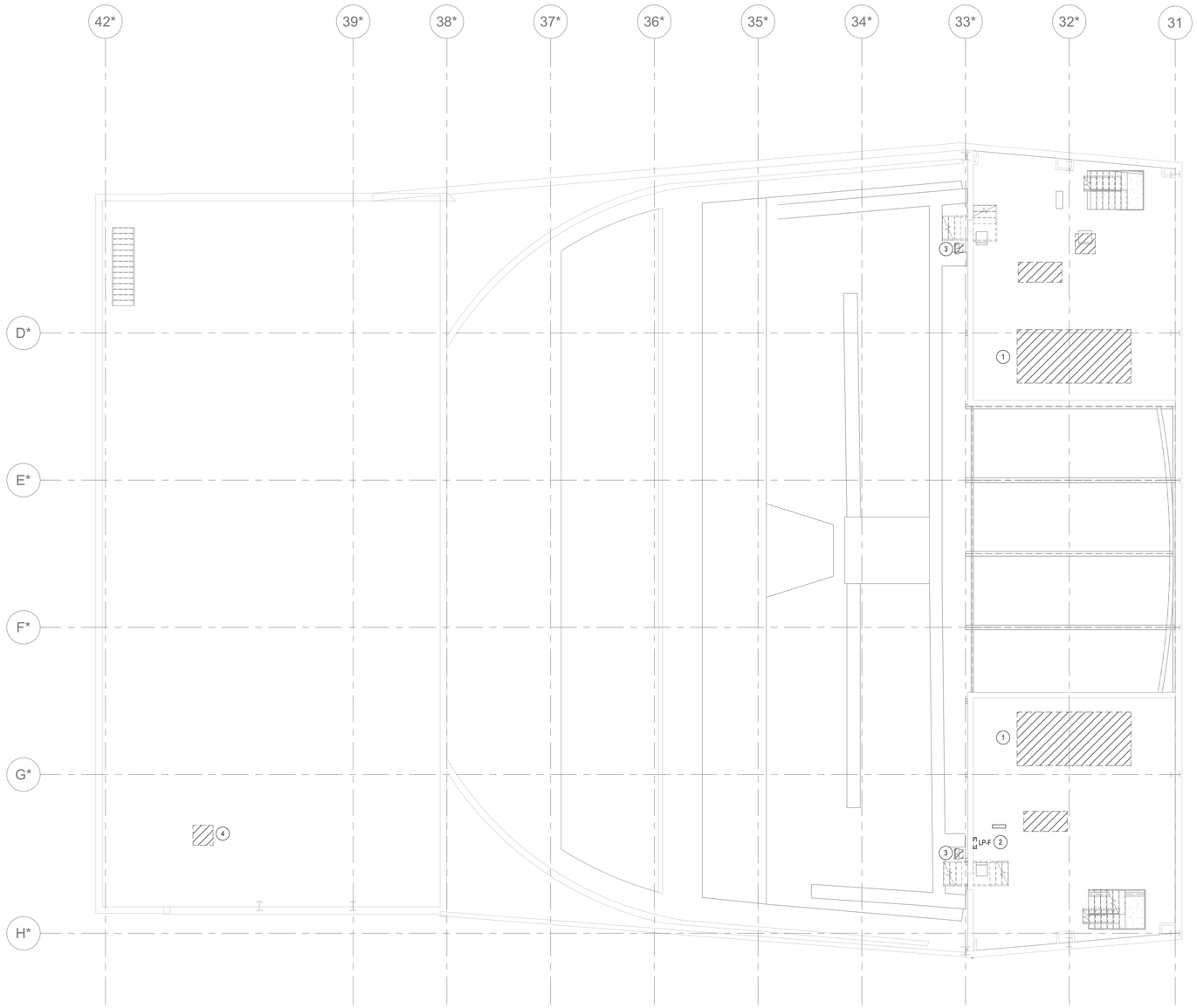
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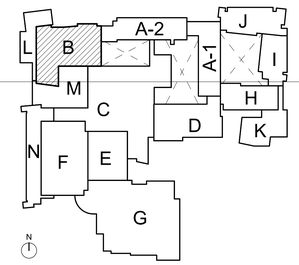
ELECTRICAL DEMOLITION KEYNOTES

1. DISCONNECT EXISTING POWER CONNECTION TO EXISTING AIR HANDLING UNIT AND REMOVE ASSOCIATED DISCONNECT SWITCH, STARTER AND CONTROLS. SECURE AND CAP EXISTING WIRING BACK TO SOURCE. BOTH FANS ARE FED FROM PANEL LP-F.
2. DEMO AND SECURE WIRING FOR EXISTING 200A FRANK ADAM PANELBOARD LP-F AND REDISTRIBUTE ACTIVE CIRCUITS WITH MATCHING BREAKER RATING ACTO NEW PANEL.
3. DISCONNECT AND REMOVE UNIT HEATERS, AND DEMOLISH ASSOCIATED WIRING BACK TO SOURCE.
4. DISCONNECT AND REMOVE EXHAUST FAN, AND DEMOLISH ASSOCIATED WIRING BACK TO SOURCE.



NORTH 1 MEZZANINE ELECTRICAL DEMOLITION PLAN - AREA B
1/8" = 1'-0"

KEY PLAN



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CONSULTANTS:

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REVISIONS:

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DRAWING TITLE:
MEZZANINE ELECTRICAL DEMOLITION PLAN

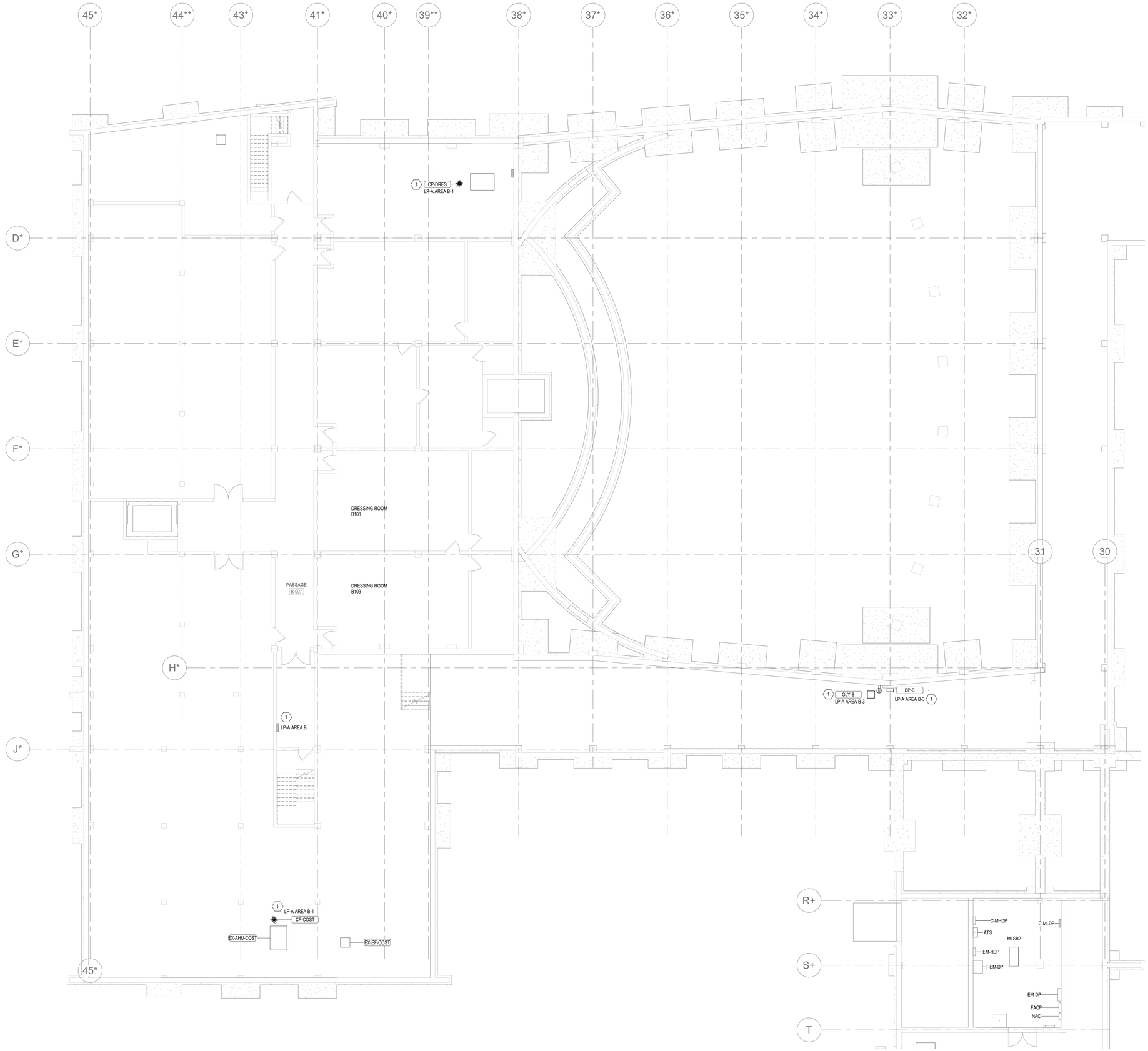
B-E0.3

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ELECTRICAL POWER KEYNOTES

1. VERIFY EXISTING AVAILABLE 20A SPARE BREAKER IN PANEL LP-A FOR POWER TO NEW UNIT. IF NO SUITABLE SPARE BREAKER IS AVAILABLE, UTILIZE AVAILABLE SPACE AND PROVIDE COMPATIBLE 20A BREAKER TO SERVE UNITS. CIRCUIT NUMBER SHOWN IS FOR REFERENCE ONLY. VERIFY EXISTING CIRCUIT ASSIGNMENTS IN THE FIELD TO ACCOMMODATE NEW WORK AND ENSURE TOTAL LOAD DOES NOT EXCEED LIMIT.



NORTH

1 TUNNEL ELECTRICAL POWER PLAN - AREA B
1/8" = 1'-0"

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DRAWING TITLE:
TUNNEL ELECTRICAL POWER PLAN

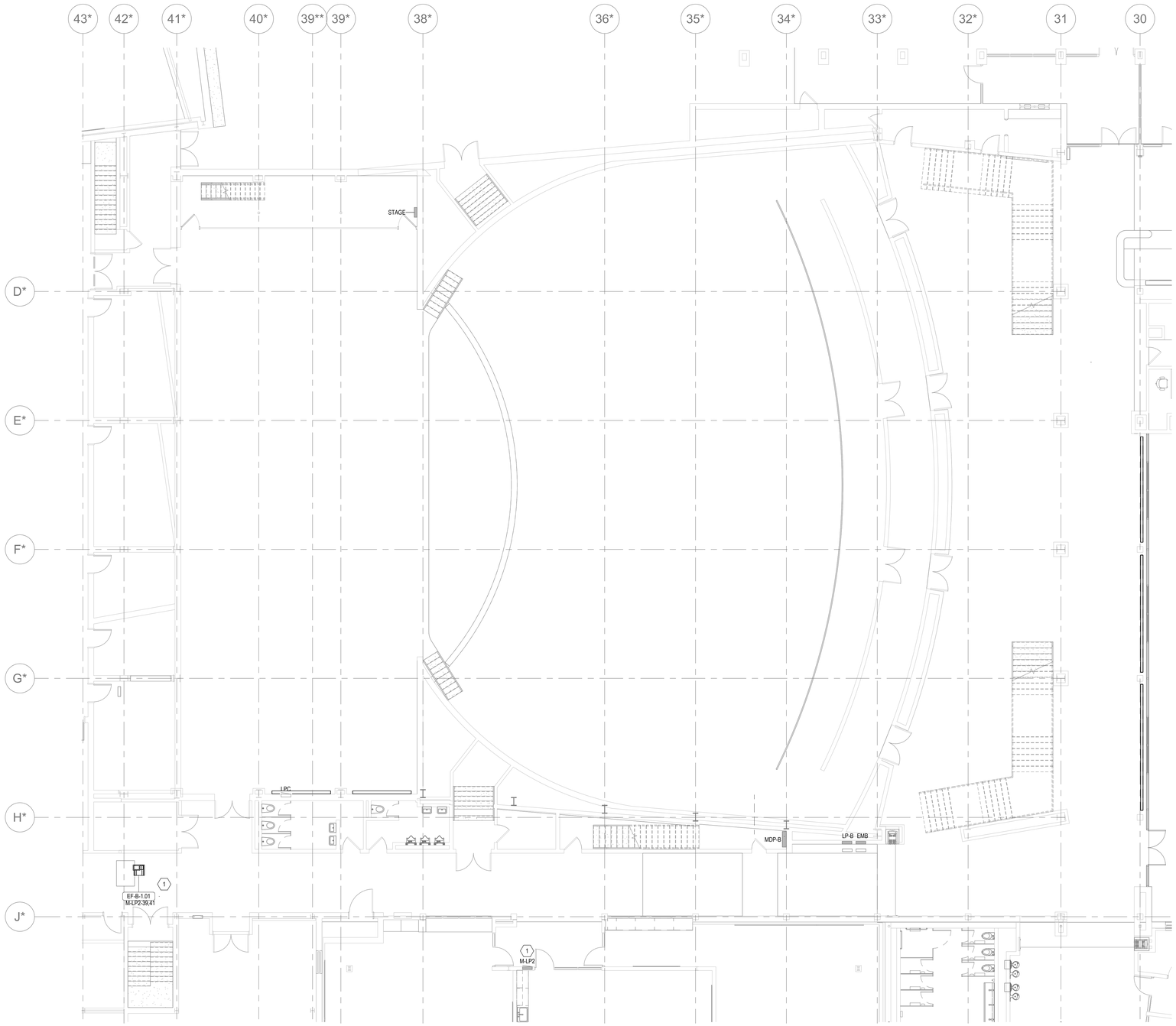
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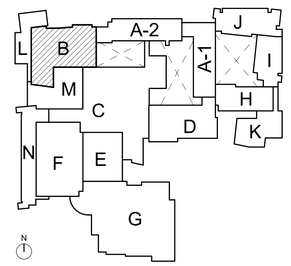
ELECTRICAL POWER KEYNOTES

1. VERIFY EXISTING AVAILABLE 20A SPARE BREAKER IN PANEL M-LP2 FOR POWER TO NEW UNIT. IF NO SUITABLE SPARE BREAKER IS AVAILABLE, UTILIZE AVAILABLE SPACE AND PROVIDE COMPATIBLE 20A BREAKER TO SERVE UNITS. CIRCUIT NUMBER SHOWN IS FOR REFERENCE ONLY. VERIFY EXISTING CIRCUIT ASSIGNMENTS IN THE FIELD TO ACCOMMODATE NEW WORK AND ENSURE TOTAL LOAD DOES NOT EXCEED LIMIT.



NORTH 1 FIRST FLOOR ELECTRICAL POWER PLAN - AREA B
1/8" = 1'-0"

KEY PLAN



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CONSULTANTS:

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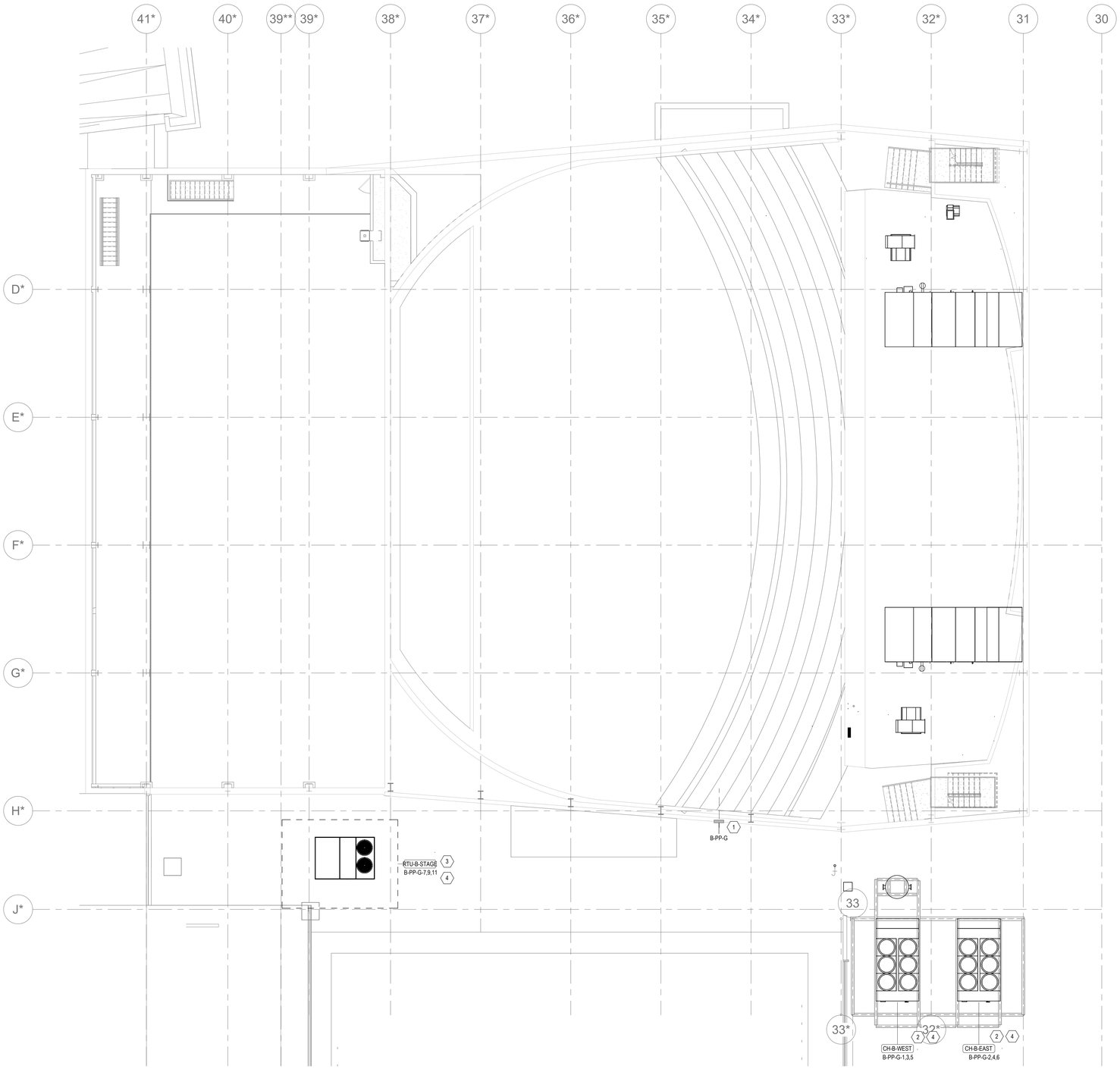
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FIRST FLOOR ELECTRICAL POWER PLAN

B-E2.1

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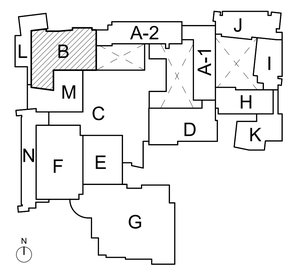


NORTH 1 BALCONY ELECTRICAL POWER PLAN - AREA B
1/8" = 1'-0"

ELECTRICAL POWER KEYNOTES

1. APPROXIMATE LOCATION OF EXISTING PANEL B-PP-G ON THE ROOF.
2. NEW CHILLERS (CH-N & CH-S) SHALL BE FED FROM THE SAME PANEL THAT SERVED THE REMOVED CHILLER. REPLACE EXISTING 250A 3PH BREAKERS LABELED AC-1 & AC-2 IN PANEL B-PP-G WITH NEW 480V 200A 3PH BREAKERS TO ACCOMMODATE NEW EQUIPMENTS; USE MIN. 3#3/0, 1#6G & 2"C WIRING.
3. NEW RTU-STAGE SHALL BE FED FROM THE SAME PANEL THAT SERVED THE REMOVED RTU. REPLACE EXISTING 250A 3PH BREAKER LABELED RT-1 IN PANEL B-PP-G WITH NEW 480V 70A 3PH BREAKER TO ACCOMMODATE NEW EQUIPMENT RTU-5A; USE MIN. 3#4, 1#8G & 1"C WIRING.
4. PROVIDE NEW ADDRESSABLE DUCT DETECTOR ON EXISTING NOTIFIER SYSTEM. SEE SHEET E4.3 DETAIL 1 & 2 FOR INFORMATION

KEY PLAN



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DRAWING TITLE:
BALCONY ELECTRICAL POWER PLAN

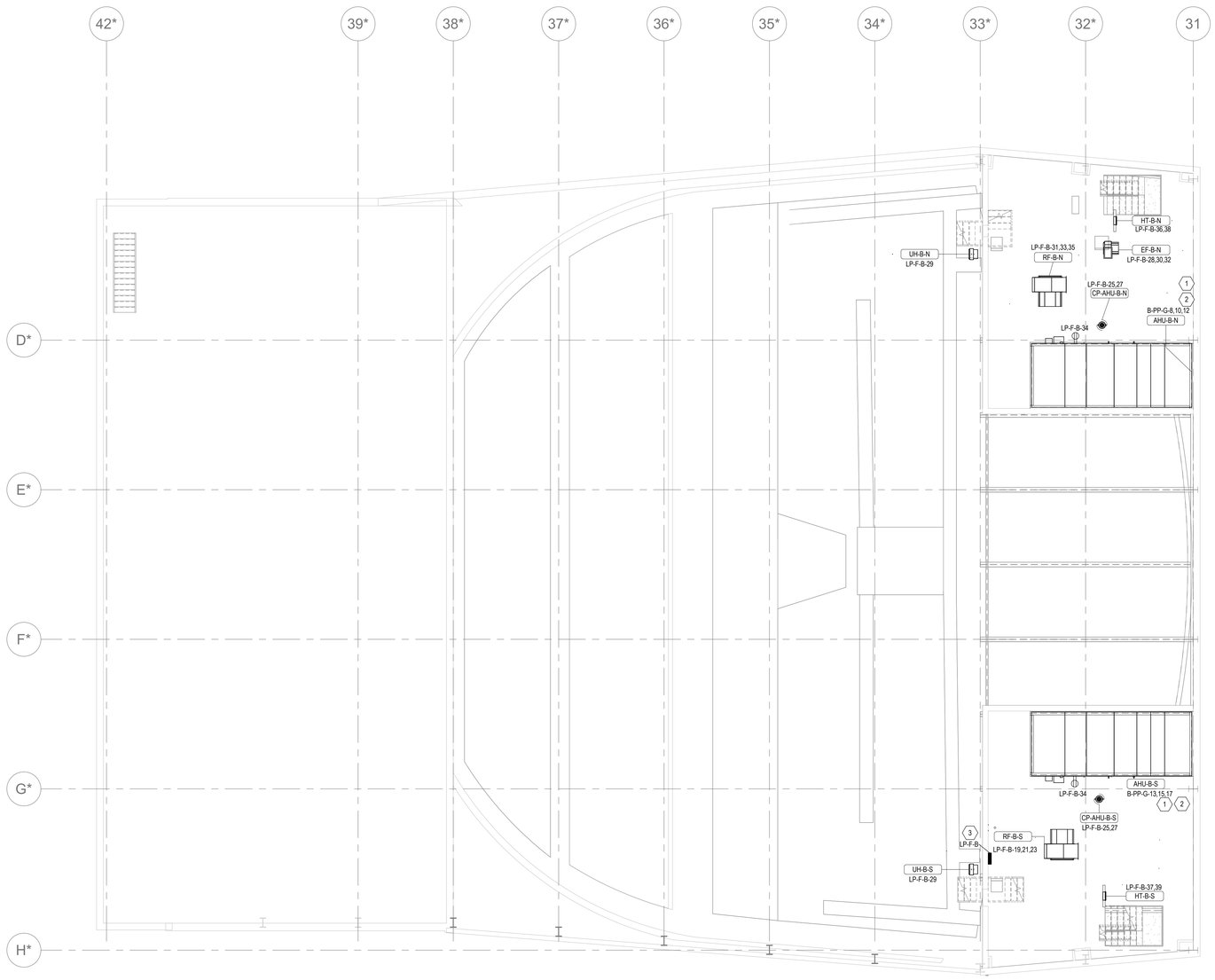
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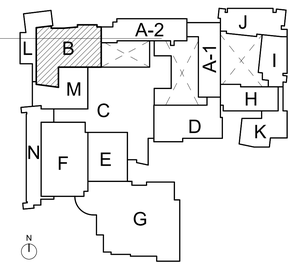
ELECTRICAL POWER KEYNOTES

1. PROVIDE COMPLIANT CONNECTION AND SEE EQUIPMENT CONNECTION SCHEDULE FOR POWER REQUIREMENTS FOR NEW AHUs.
2. PROVIDE NEW ADDRESSABLE DUCT DETECTOR ON EXISTING NOTIFIER SYSTEM. SEE SHEET E4.3 DETAIL 1 & 2 FOR INFORMATION.
3. NEW 225A 208Y/120V NQ PANELBOARD LP-F-B; REUSE AND EXTEND WIRING TO NEW PANEL. SEE PANEL SCHEDULE FOR RELOCATED CIRCUITS.



NORTH 1 MEZZANINE ELECTRICAL POWER PLAN - AREA B
1/8" = 1'-0"

KEY PLAN



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ARCHITECT:

CONSULTANTS:

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MEZZANINE ELECTRICAL POWER PLAN

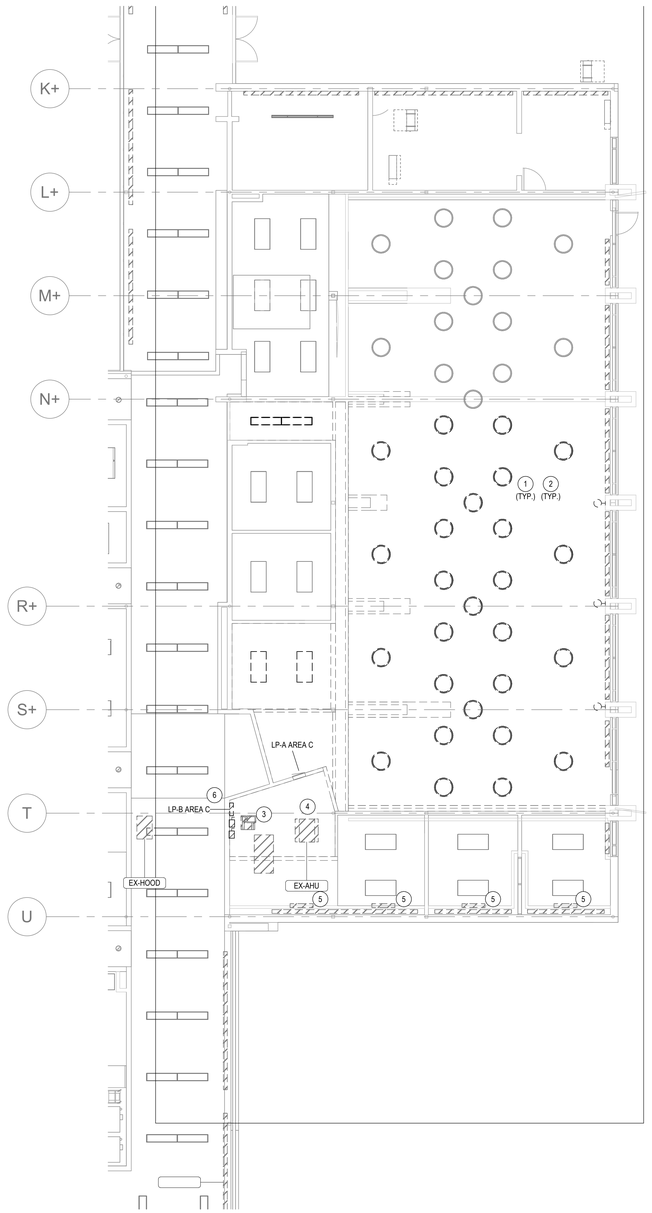
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ELECTRICAL DEMOLITION KEYNOTES

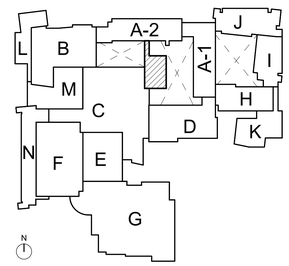
1. UNINSTALL AND PROPERLY DISPOSE EXISTING LIGHTING FIXTURES AS INDICATED TO ACCOMMODATE NEW LIGHTING FIXTURE LOCATIONS. SEE LIGHTING PLAN FOR MORE DETAILS.
2. SECURE AND DEMO EXISTING BRANCH CIRCUITS, LIGHTING, AND WALL OUTLETS TO ACCOMMODATE DEMOLITION AND NEW WORK.
3. DISCONNECT AND REMOVE EXHAUST FAN, AND DEMOLISH ASSOCIATED WIRING, STARTER, AND CONTROLS BACK TO SOURCE.
4. DISCONNECT AND REMOVE AHU, AND DEMOLISH ASSOCIATED WIRING, STARTER AND CONTROLS BACK TO SOURCE.
5. DISCONNECT AND REMOVE ELECTRIC BASEBOARD, AND DEMOLISH ASSOCIATED WIRING BACK TO SOURCE.
6. DEMO EXISTING 200A FRANK ADAM PANELBOARD. RE-USE EXISTING FEEDER TO REPLACEMENT PANEL AND REDISTRIBUTE ACTIVE CIRCUITS; PROVIDE MATCHING BREAKERS TO NEW PANEL.



NORTH

1 FIRST FLOOR ELECTRICAL DEMOLITION PLAN - AREA C
1/8" = 1'-0"

KEY PLAN



CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

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#	Description	Date

DRAWING TITLE:
FIRST FLOOR ELECTRICAL DEMOLITION PLAN

C-E0.1

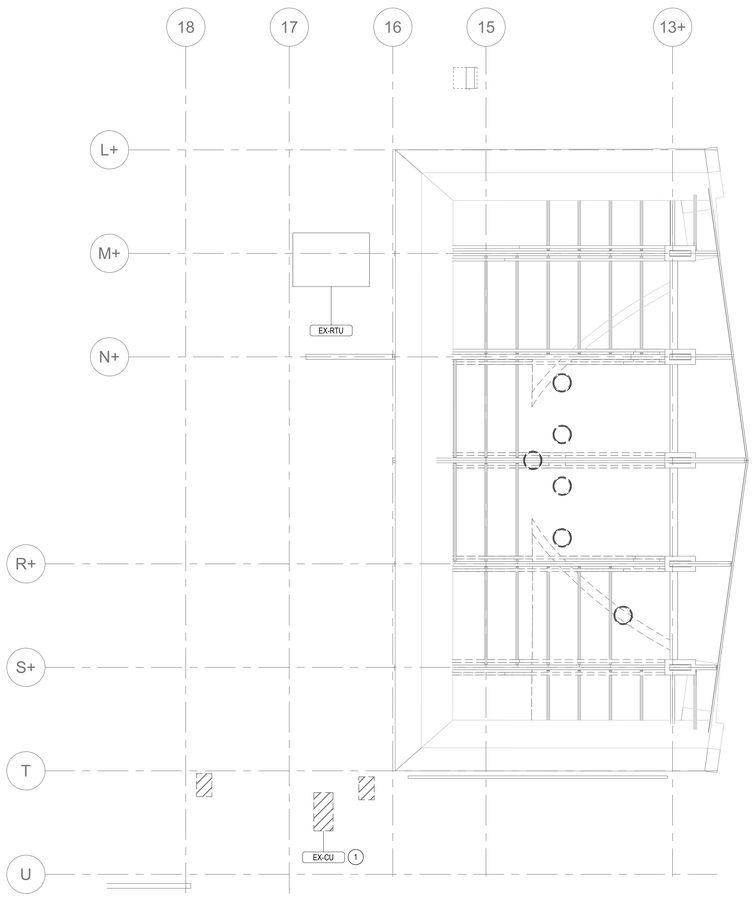
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ELECTRICAL DEMOLITION KEYNOTES

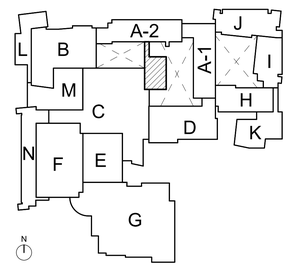
1. DISCONNECT AND REMOVE CONDENSING UNIT, AND DEMOLISH ASSOCIATED WIRING BACK TO SOURCE. CURRENTLY FED BY LP-B





NORTH 1 ROOF ELECTRICAL DEMOLITION PLAN - AREA C
1/8" = 1'-0"

KEY PLAN



CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

EAST AURORA SCHOOL DISTRICT #131
EAHS MECHANICAL IMPROVEMENTS
PHASE III
500 TOMCAT LN.
AURORA, IL 60506

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ROOF ELECTRICAL DEMOLITION PLAN

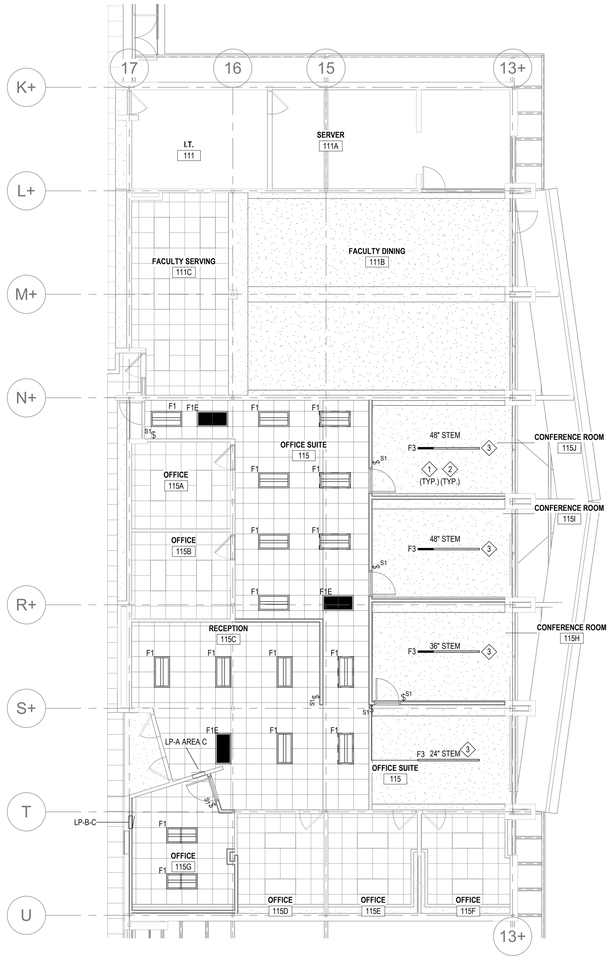
C-E0.2

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10/1/2026 10:39:50 AM

ELECTRICAL LIGHTING KEYNOTES

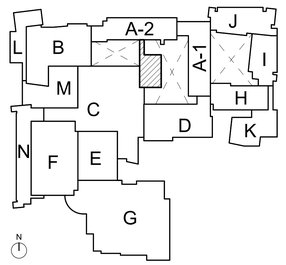
1. EXTEND EXISTING LIGHTING BRANCH CIRCUIT TO NEW FIXTURES. ENSURE TOTAL LOAD DOES NOT EXCEED LIMIT.
2. SEE SHEET E4.1 DETAIL 3 FOR TYPICAL PRIVATE OFFICE AND CONFERENCE LIGHTING CONTROL.
3. REFER TO DRAWINGS FOR STEM LENGTHS REQUIRED TO ACCOMMODATE VARIATIONS IN CEILING HEIGHT. PROVIDE SUSPENDED STEMS AND ALL NECESSARY MOUNTING HARDWARE FOR INSTALLATION AT SLOPED CEILINGS. FIXTURE TO BE CENTERED ABOVE THE TABLE IN CONFERENCE ROOMS. 2' SHADED PORTION OF THE FIXTURE WILL BE ILLUMINATED BY THE BATTERY PACK FOR EMERGENCY LIGHTING AS SHOWN IN THE DRAWINGS.



NORTH

2 FIRST FLOOR ELECTRICAL LIGHTING PLAN - AREA C
1/8" = 1'-0"

KEY PLAN



CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

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EAHS MECHANICAL IMPROVEMENTS
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DRAWING TITLE:
FIRST FLOOR ELECTRICAL LIGHTING PLAN

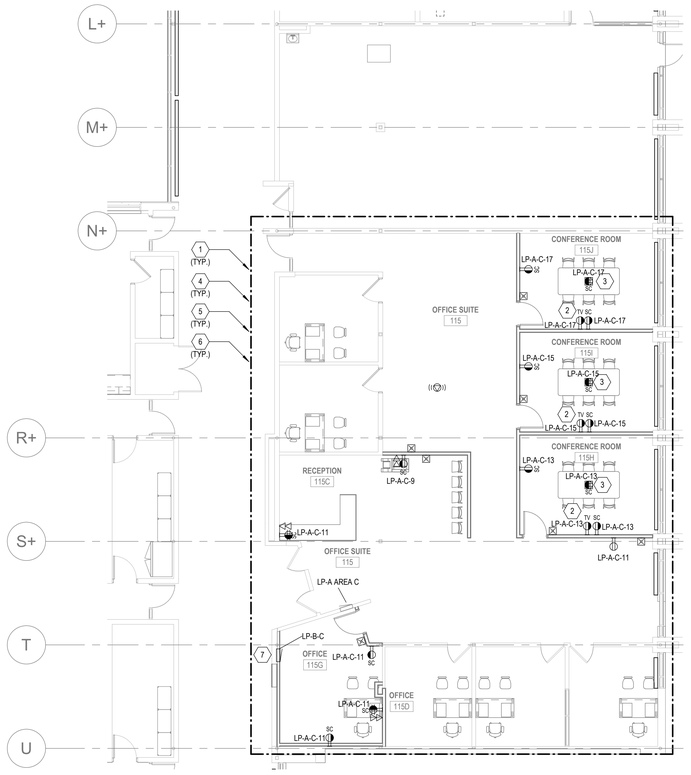
C-E1.1

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ELECTRICAL POWER KEYNOTES

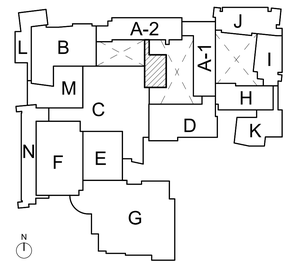
1. ALL BRANCH CIRCUITS IN THIS AREA WILL BE FED FROM EXISTING PANEL LP-A. CIRCUIT NUMBERS ARE SHOWN AS A REFERENCE ONLY FOR QUANTITY OF BRANCH CIRCUITS REQUIRED TO BE PROVIDED. VERIFY EXISTING CIRCUIT ASSIGNMENTS IN THE FIELD TO ACCOMMODATE NEW WORK.
2. FILTER AND SURGE PROTECTOR DUPLEX RECEPTACLE MOUNTED IN RECESSED TV BOX CHIEF PAC526 PROVIDED AND INSTALLED BY CONTRACTOR. PROVIDE (2) 1-1/4"C STUB UPS TO ACCESSIBLE CEILING FOR NETWORK AND A/V CABLING.
3. FLUSH 4-GANG FLOOR BOX (1) GANG FOR DATA, (1) GANG FOR AV; MIN (2) 1 1/4"C STUB UPS TO ACCESSIBLE CEILING DATA AND A/V CABLING, AND (1) SPLIT-CONTROLLED QUADPLEX RECEPTACLES. PROVIDE LOW VOLTAGE DIVIDERS AND PROVIDE FLOOR TRENCHING TO PROVIDE FLUSH BOX.
4. PROVIDE CONTROLLED RECEPTACLES AND CONNECT TO LOCAL LIGHTING CONTROLS; TYPICAL FOR ALL OFFICES AND CONFERENCE ROOMS. SEE SHEET E4.1 FOR MORE DETAILS.
5. ALL NEW NETWORK DROPS TO BE PUNCH DOWN TO NEARES MDF/IDF ROOM . FOR BIDDING PURPOSES ASSUME 200FT AVERAGE CABLE DISTANCE PER NETWORK CABLE DROP AND (1) NEW 24-PORT PATCH PANEL TO BE PROVIDED AT EXISTING NETWORK RACK TO BE LOCATED IN THE FIELD. COORDINATE FINAL LOCATION WITH OWNER.
6. EXTEND EXISTING FA NAC CIRCUIT TO NEW DEVICES.
7. NEW 225A 42CKT 208Y/120V SQUARE D NQ RECESSED PANELBOARD. PROVIDE NEW TYPE-WRITTEN DIRECTORY FOR RELOCATED CIRCUITS FROM PREVIOUS PANEL.



NORTH

1 FIRST FLOOR ELECTRICAL POWER PLAN - AREA C
1/8" = 1'-0"

KEY PLAN



CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

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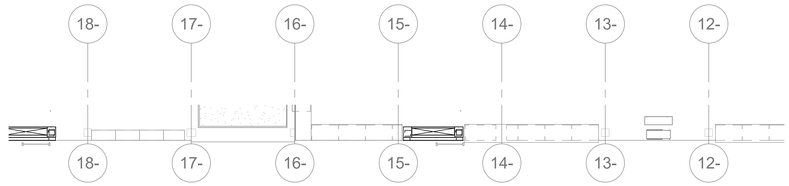
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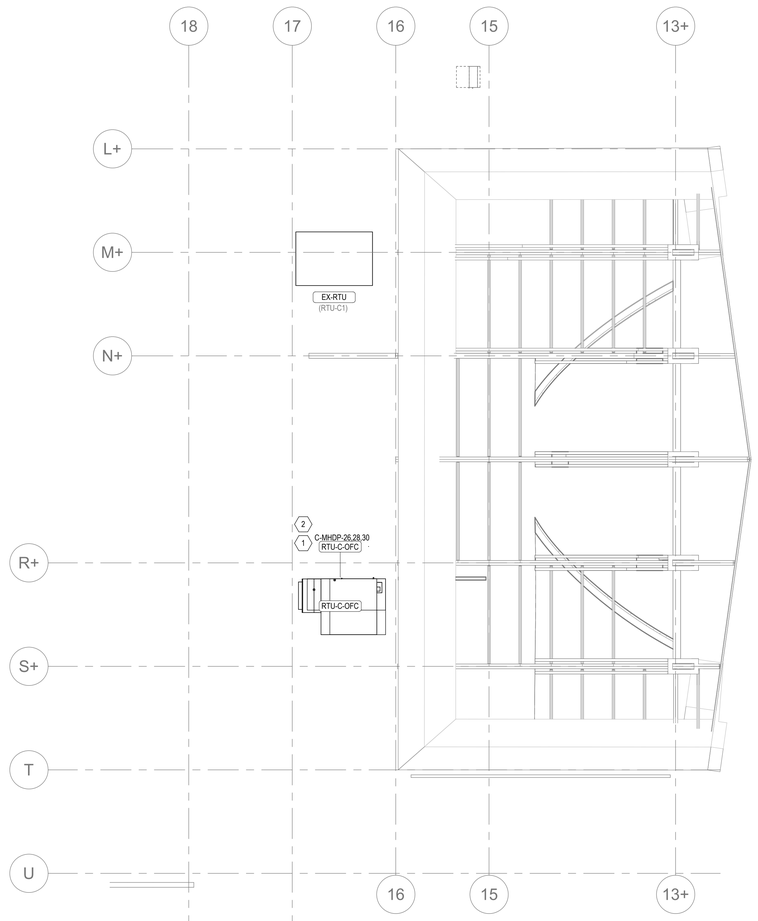
DRAWING TITLE:
FIRST FLOOR ELECTRICAL POWER PLAN

C-E2.1

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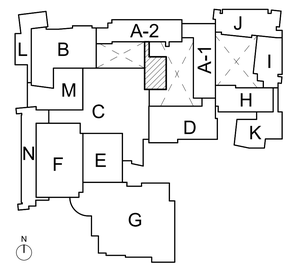


NORTH 1 ROOF ELECTRICAL POWER PLAN - AREA C
1/8" = 1'-0"

ELECTRICAL POWER KEYNOTES

1. USE EXISTING SPACE IN PANEL C-MHDP TO PROVIDE NEW 480V 40A 3P TO SERVE NEW RTU. USE MIN.3#8, 1#10G & 3/4"C WIRING. SEE EQUIPMENT CONNECTION SCHEDULE FOR MORE INFO.
2. PROVIDE NEW ADDRESSABLE DUCT DETECTOR ON EXISTING NOTIFIER SYSTEM. SEE SHEET E4.3 DETAIL 1 & 2 FOR INFORMATION

KEY PLAN



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ARCHITECT:

CONSULTANTS:

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ROOF ELECTRICAL POWER PLAN

C-E2.2

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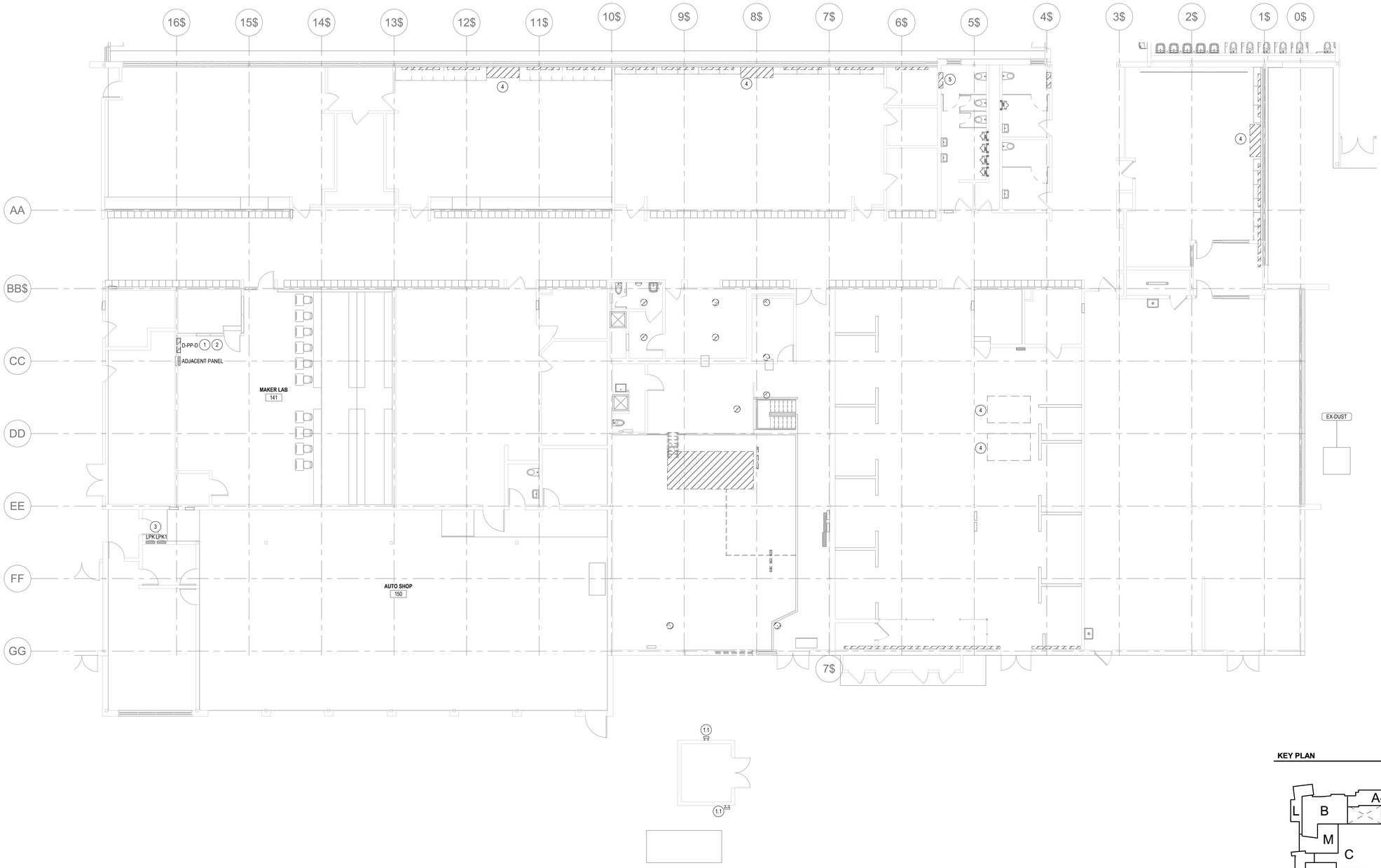
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ELECTRICAL DEMOLITION KEYNOTES

1. REPLACE EXISTING 400A 3P BREAKER NAMED "D-PP-D" IN SWITCHBOARD MLSB2. SEE SHEET D-E2.1 FOR NEW WORK.
2. DEMO EXISTING 400A I-LINE PANELBOARD AND REDISTRIBUTE ACTIVE CIRCUITS AND RE-USE BREAKERS TO NEW 600A PANELBOARD.
3. EXISTING PANELS TO REMAIN
4. DISCONNECT AND REMOVE UNIT VENTILATORS. EC TO VERIFY EXISTING UNIVENT CIRCUIT TO BE REUSED FOR NEW WORK. SEE NEW WORK FOR ADDITIONAL CIRCUITS NEEDED FOR NEW UNIT VENTILATOR TO ACCOMMODATE TWO EQUIPMENT CIRCUITS PER 20A BRANCH CIRCUIT.
5. DISCONNECT AND REMOVE UNIT HEATERS, AND DEMOLISH ASSOCIATED WIRING BACK TO SOURCE.

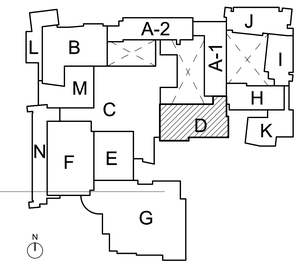
ALTERNATE WORK:

1.1 DEMO EXISTING EXTERIOR WALL LIGHT AND ASSOCIATED CONDUIT INSTALLED ON THE CHIMNEY. DEMO ALSO THE EXISTING LIGHTNING PROTECTION RODS WRAPPED UP ON THE CHIMNEY.



NORTH 1 FIRST FLOOR ELECTRICAL DEMOLITION PLAN - AREA D
1/8" = 1'-0"

KEY PLAN



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ARCHITECT:

CONSULTANTS:

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DRAWING TITLE:
FIRST FLOOR ELECTRICAL DEMOLITION PLAN

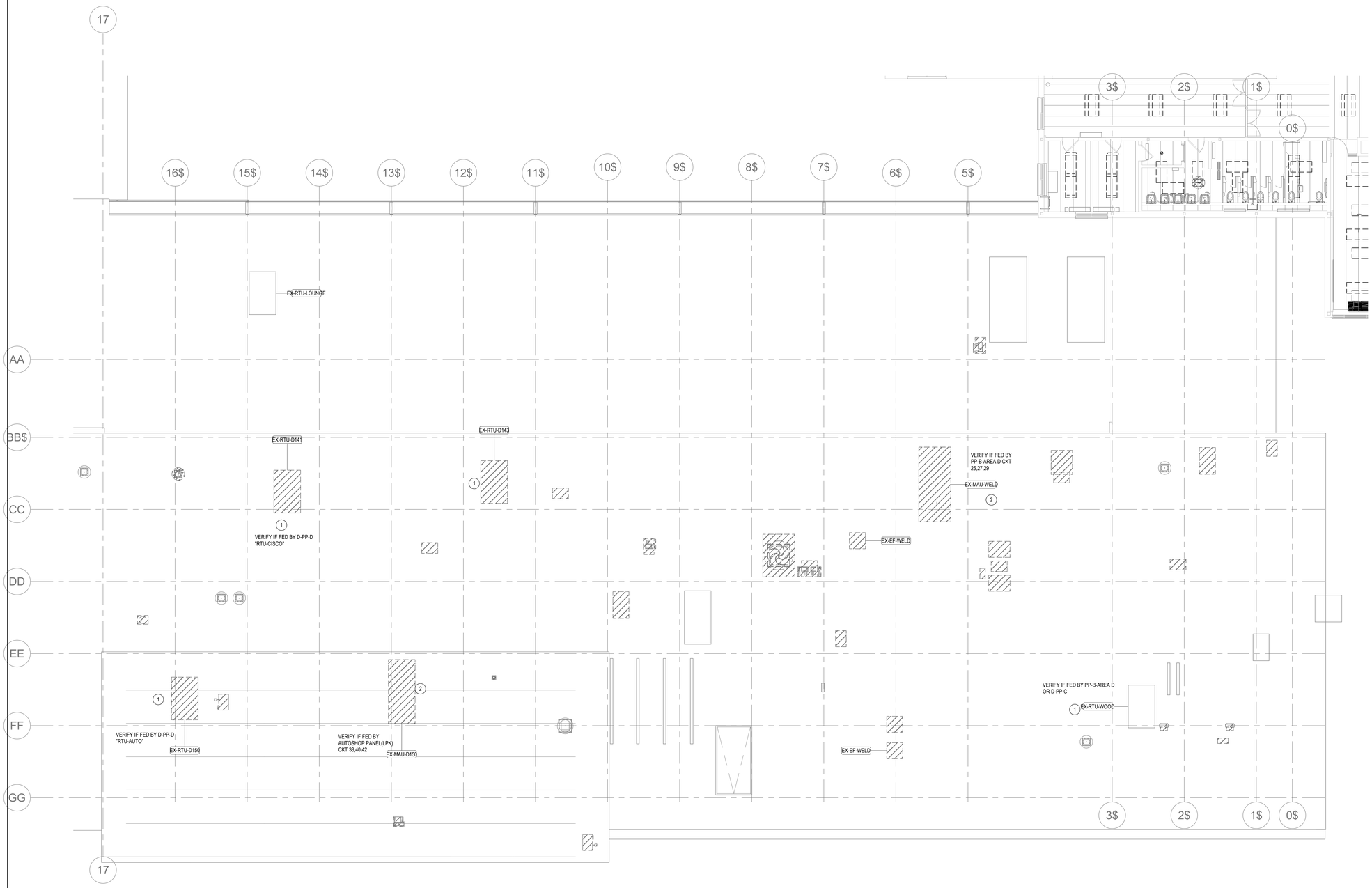
D-E0.1

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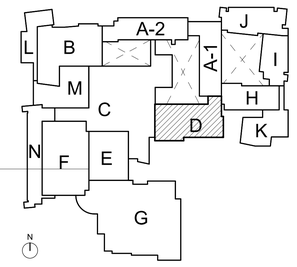
ELECTRICAL DEMOLITION KEYNOTES

1. DISCONNECT AND REMOVE RTU, AND DEMOLISH ASSOCIATED WIRING BACK TO SOURCE.
2. DISCONNECT AND REMOVE EXISTING MAU. DEMOLISH ASSOCIATED ELECTRICAL WIRING BACK TO SOURCE. PROVIDE UPDATED TYPED PANEL DIRECTORY TO IDENTIFY SPARE CIRCUIT(S) MADE AVAILABLE BY DEMOLITION.



NORTH 1 ROOF ELECTRICAL DEMOLITION PLAN - AREA D
1/8" = 1'-0"

KEY PLAN



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ARCHITECT:

CONSULTANTS:

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ROOF ELECTRICAL DEMOLITION PLAN

D-E0.2

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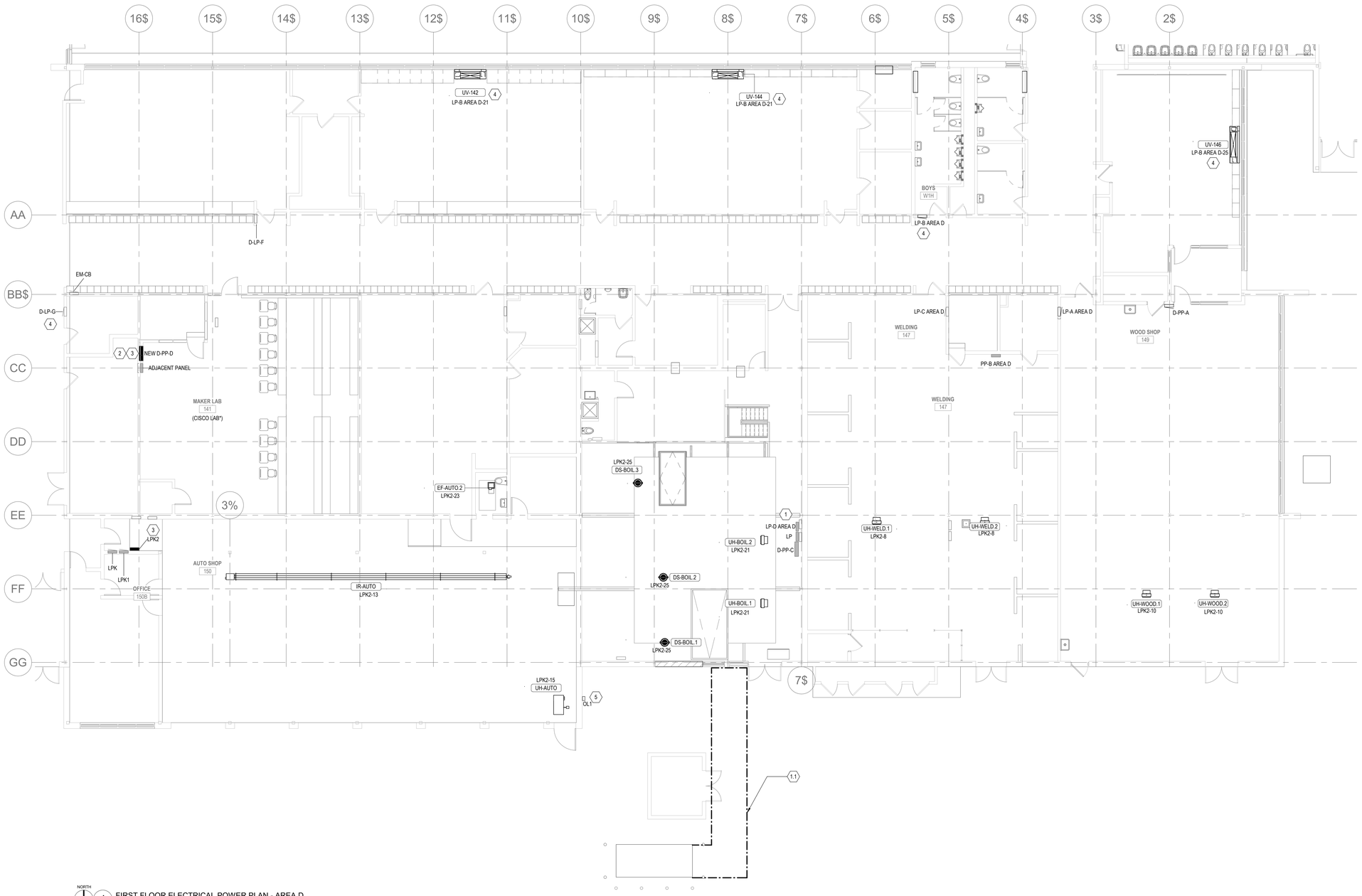
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ELECTRICAL POWER KEYNOTES

1. ELECTRICAL EQUIPMENTS LOCATED IN THE BOILER ROOM BASEMENT.
2. NEW 600A 208Y/120V I-LINE PANELBOARD D-PP-D; PROVIDE NEW 600A 3P BREAKER IN MLSB2 TO SERVE UPGRADED D-PP-D. SEE SHEET E5.0 FOR APPROXIMATE EQUIPMENT LOCATION. USE MIN. 2 SETS OF 4#350 KCMIL, 1#1G & 3" C WIRING. SEE ONE-LINE DIAGRAM ON THIS SHEET AND REFER TO E5.0 FOR MLSB2 LOCATION.
3. PROVIDE NEW 200A 3P BREAKER IN D-PP-D TO SERVE NEW LPK2; NEW PANEL LPK2 TO BE SQUARE D NQ 225A 208Y/120V 3P WITH 54 CIRCUITS. USE MIN. 4#3/0, 1#6G & 2"C WIRING. SEE ONE-LINE DIAGRAM ON THIS SHEET.
4. VERIFY EXISTING AVAILABLE 20A SPARE BREAKER IN PANEL LP-B FOR POWER TO NEW UNIT VENTILATOR (UV) EQUIPMENT. IF NO SUITABLE SPARE BREAKER IS AVAILABLE, UTILIZE AVAILABLE SPACE IN PANEL D-LP-G AND PROVIDE COMPATIBLE 20A BREAKER(S) TO SERVE NEW UVs.
5. PROVIDE POWER FOR NEW EXTERIOR WALL LIGHTING OL1 FIXTURE. USE EXISTING EXTERIOR LIGHTING BRANCH CIRCUIT IN THE AREA FOR POWER CONNECTION.

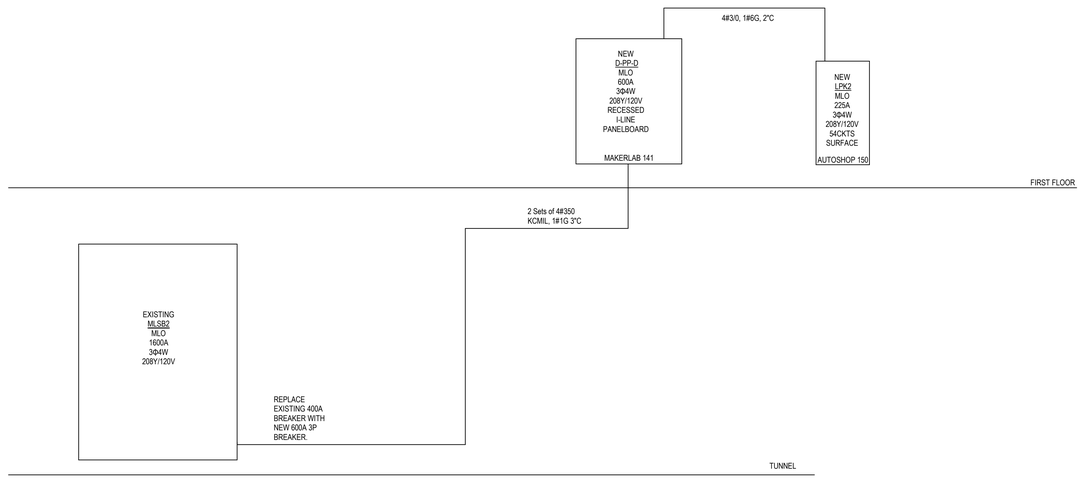
ALTERNATE WORK:

11. PROTECT EXISTING BELOW-GRADE ELECTRICAL CONDUITS SERVING THE GENERATOR WITHIN THIS AREA DURING SITE WORK. PROVIDE NECESSARY PROTECTION TO PREVENT DAMAGE TO THE CONDUITS.



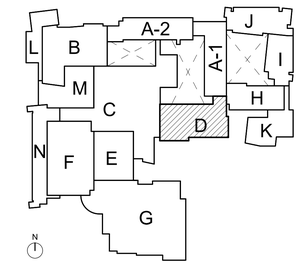
NORTH

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



2 ONE-LINE DIAGRAM - MAKERLAB & AUTOSHOP

KEY PLAN



CORDOGAN CLARK
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ARCHITECT:

CONSULTANTS:

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FIRST FLOOR ELECTRICAL POWER PLAN

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ELECTRICAL DEMOLITION KEYNOTES

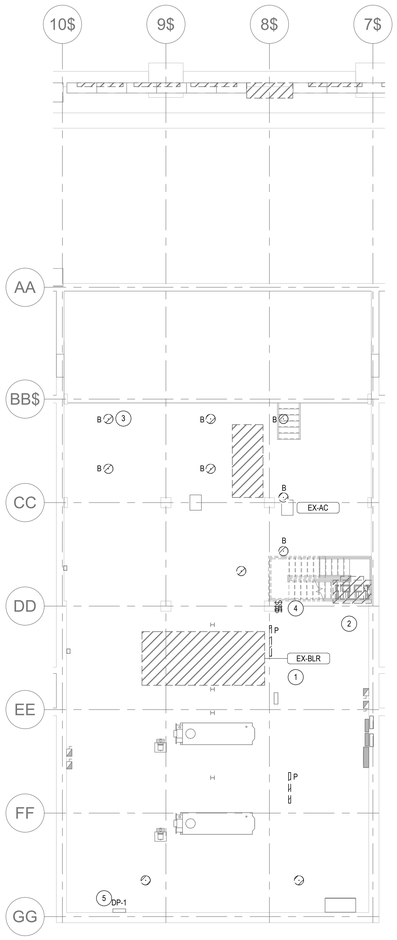
1. DISCONNECT EXISTING POWER CONNECTION FROM EXISTING BOILER AND DEMO ASSOCIATED DISCONNECT SWITCH AND CONTROLS; SECURE WIRING BACK TO SOURCE.
2. DISCONNECT EXISTING POWER CONNECTION FROM EXISTING EXHAUST FAN AND DEMO ASSOCIATED DISCONNECT SWITCH AND CONTROLS; SECURE WIRING BACK TO SOURCE.
3. UNINSTALL AND PROPERLY DISPOSE EXISTING LIGHTING FIXTURES AS INDICATED TO ACCOMMODATE NEW LIGHTING FIXTURE LOCATIONS. FIXTURES WITH TAG "B" ARE LOCATED IN THE BASEMENT OF THE BOILER ROOM AND "P" FOR FIXTURES UNDER THE PLATFORM THAT NEEDS TO BE DEMOED.
4. DEMO EXISTING LIGHT SWITCHES THAT CONTROLS ALL THE FIXTURES IN THE AREA AND RE-USE WIRING FOR NEW SWITCH.
5. REMOVE AND RELOCATE (2) 30A 3P BREAKERS NAMED BLR-1 AND BLR-2 IN DP-1 TO ACCOMMODATE NEW 200A 3P BREAKER TO SERVE NEW 250A 3P PANEL HM-D.

ELECTRICAL LIGHTING KEYNOTES

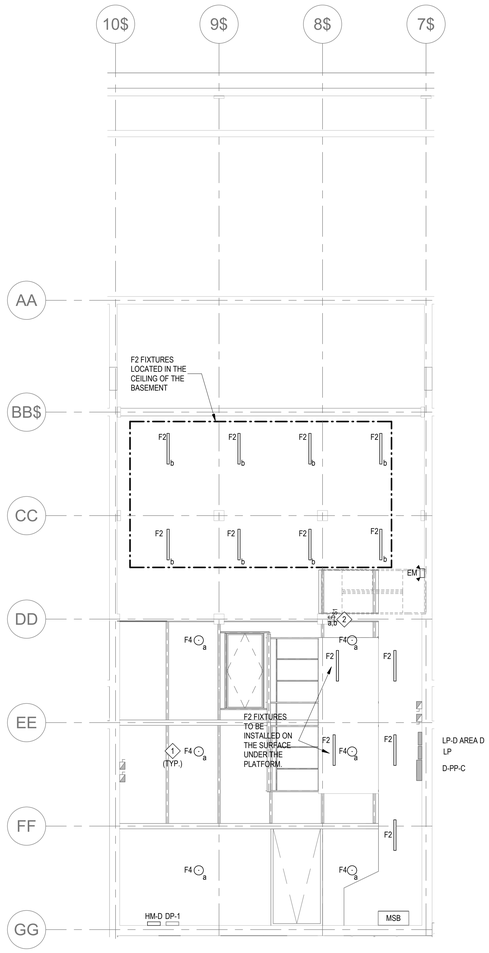
1. EXTEND EXISTING LIGHTING BRANCH CIRCUIT IN THE AREA TO SERVE NEW LIGHTING FIXTURES. VERIFY EXISTING/NEW PIPING AND FLUE ARRANGEMENT IN THE FIELD AND FIELD-ADJUST LIGHT FIXTURE LOCATIONS AS REQUIRED TO AVOID CONFLICTS. COORDINATE FINAL FIXTURE LOCATIONS WITH THE ARCHITECT PRIOR TO INSTALLATION.
2. USE S1 SWITCH BUT USE TWO POLE ON/OFF CONTROLS TO CONTROL AREAS A AND B, NO DIMMING CONTROLS NEEDED. PROVIDE PERMANENT LABELS AT SWITCHES TO CLEARLY IDENTIFY THE AREA SERVED. THIS SWITCH SHALL BE LABELED TO INDICATE THAT IT SERVES AREA A AND AREA B.

ELECTRICAL POWER KEYNOTES

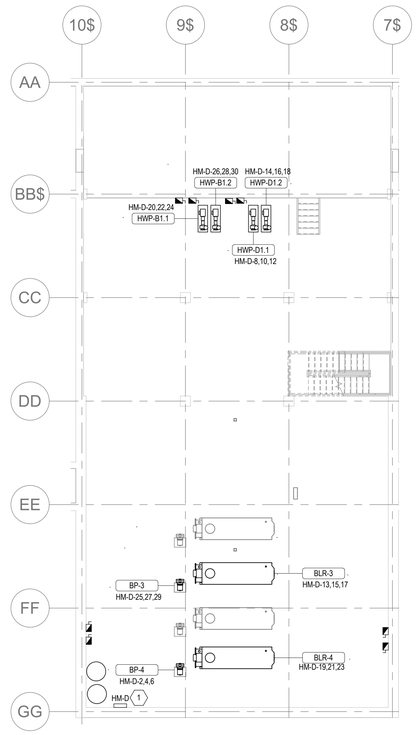
1. NEW 250A 480Y/120V NF PANELBOARD HM-D; PROVIDE NEW 200 3P BREAKER IN DP-1 TO SERVE NEW PANEL. USE MIN. 4#3/0, 1#6G & 2"C WIRING. SEE PANEL SCHEDULE FOR RELOCATED CIRCUITS/BREAKER.



NORTH 2 AREA D - BOILER ROOM ELECTRICAL DEMOLITION PLAN
1/8" = 1'-0"

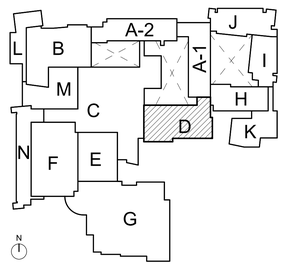


NORTH 3 AREA D - BOILER ROOM ELECTRICAL LIGHTING PLAN
1/8" = 1'-0"



NORTH 1 AREA D - BOILER ROOM ELECTRICAL POWER PLAN
1/8" = 1'-0"

KEY PLAN



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ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

EAST AURORA SCHOOL DISTRICT #131
EAHS MECHANICAL IMPROVEMENTS
PHASE III
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BOILER ROOM ELECTRICAL POWER PLAN

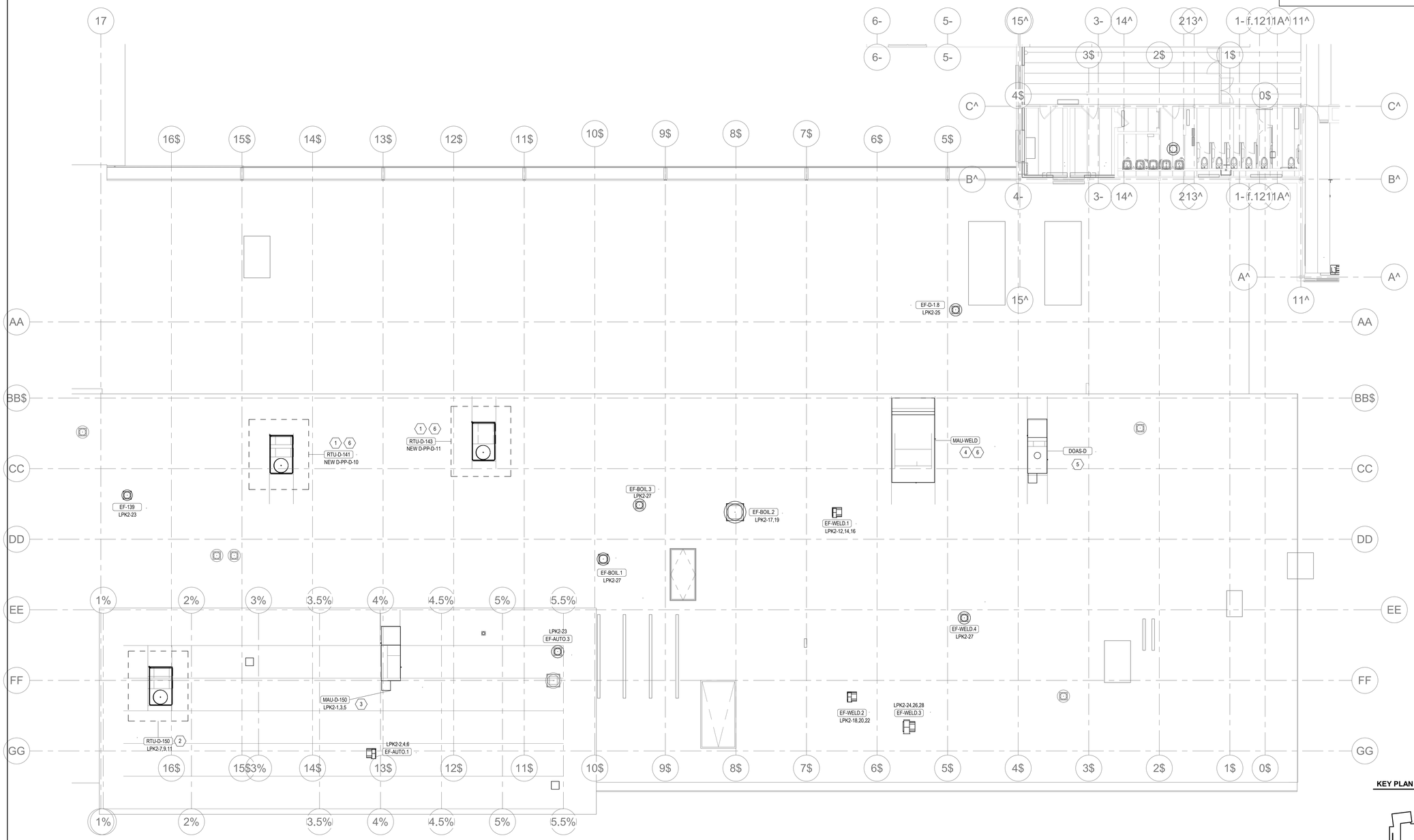
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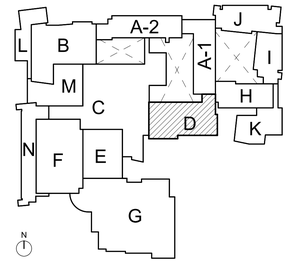
ELECTRICAL POWER KEYNOTES

1. PROVIDE A NEW 60A, 3-POLE, 208V BREAKER TO SERVE THE REPLACEMENT UNIT IN NEW PANEL D-PP-D. REFER TO THE EQUIPMENT CONNECTION PLAN FOR ADDITIONAL INFORMATION. VERIFY EXISTING CONDITIONS IN THE FIELD AND ENSURE THE TOTAL CONNECTED LOAD DOES NOT EXCEED THE CIRCUIT RATING.
2. PROVIDE NEW 50A 3P 208V BREAKER TO SERVE REPLACEMENT UNIT IN NEW PANEL LPK2; SEE EQUIPMENT CONNECTION PLAN FOR MORE INFO. VERIFY EXISTING CONDITIONS AND ENSURE NEW TOTAL LOAD DOES NOT EXCEED CIRCUIT RATING.
3. PROVIDE NEW 15A 3P 208V BREAKER TO SERVE REPLACEMENT UNIT IN NEW PANEL LPK2; SEE EQUIPMENT CONNECTION PLAN FOR MORE INFO. VERIFY EXISTING CONDITIONS AND ENSURE NEW TOTAL LOAD DOES NOT EXCEED CIRCUIT RATING.
4. TRACE EXISTING PANEL THAT IS SERVING THE PREVIOUSLY DEMOED UNIT AND PROVIDE NEW 25A 3P 208V BREAKER TO SERVE REPLACEMENT UNIT; SEE EQUIPMENT CONNECTION PLAN FOR MORE INFO. VERIFY EXISTING CONDITIONS AND ENSURE NEW TOTAL LOAD DOES NOT EXCEED CIRCUIT RATING.
5. TRACE EXISTING PANEL THAT IS SERVING THE PREVIOUSLY DEMOED **RTU-WOOD** AND PROVIDE NEW 50A 3P 208V BREAKER TO SERVE NEW UNIT; SEE EQUIPMENT CONNECTION PLAN FOR MORE INFO. VERIFY EXISTING CONDITIONS AND ENSURE NEW TOTAL LOAD DOES NOT EXCEED CIRCUIT RATING.
6. PROVIDE NEW ADDRESSABLE DUCT DETECTOR ON EXISTING NOTIFIER SYSTEM. SEE SHEET E4.3 DETAIL 1 & 2 FOR INFORMATION.



NORTH 1 ROOF ELECTRICAL POWER PLAN - AREA D
1/8" = 1'-0"

KEY PLAN



CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

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EAHS MECHANICAL IMPROVEMENTS
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ROOF ELECTRICAL POWER PLAN

D-E2.3

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GENERAL ELECTRICAL DEMOLITION NOTES

1. REFER TO ARCHITECTURAL AND MECHANICAL PLANS AND SPECIFICATIONS FOR FULL DEMOLITION NOTES
2. THE DRAWINGS ARE INTENDED TO INDICATE THE SCOPE OF NEW WORK REQUIRED AND DO NOT NECESSARILY INDICATE ANY EXISTING BOXES, CONDUIT, OR WIRE THAT MUST BE REMOVED TO ACCOMMODATE IT. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID AND VERIFY EXISTING CONDITIONS.
3. FOR CEILINGS TO BE REMOVED OR MODIFIED:

a) PROTECT AND SECURE ALL EXISTING CEILING MOUNTED DEVICES (SMOKE DETECTORS, SPEAKER, WIRELESS ACCESS POINTS) AS NEEDED TO ACCOMMODATE NEW WORK. REINSTALL TO WORKING ORDER IN NEW CEILINGS; EXTEND WIRING TO NEW LOCATIONS AS NEEDED. NOT ALL DEVICES ARE INDICATED ON PLANS. VERIFY IN FIELD ALL EXISTING CEILING MOUNTED DEVICES.

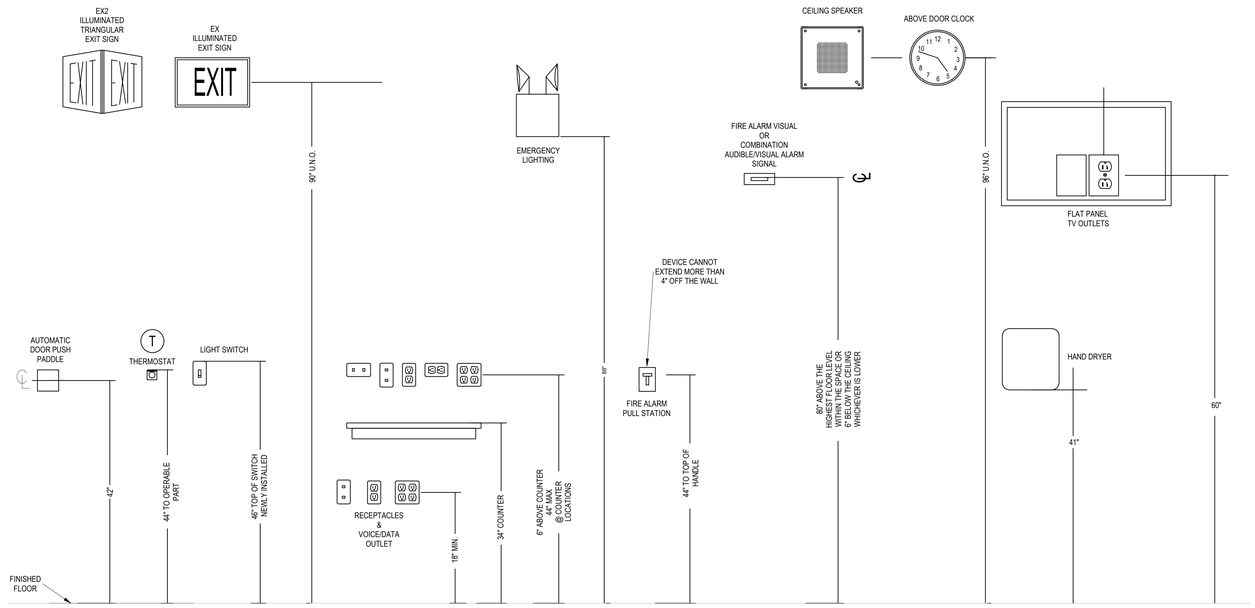
4. THE E.C. IS RESPONSIBLE FOR ALL TEMPORARY LIGHTING AND POWER IN ALL WORK AREAS. COMPLY WITH NECA 200-2010 OR LATEST ITERATION.
5. REMOVE ALL ABANDONED LOW VOLTAGE WIRING: SUPPORT OR RESUPPORT OPEN WIRING PREVIOUSLY UNSUPPORTED OR SUPPORTED BY DEMOLISHED CEILING ELEMENTS.

GENERAL LIGHTING AND POWER NOTES

1. REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING PLANS FOR ADDITIONAL INFORMATION ON EXACT POWER, WIRING, & ROUGH-IN REQUIREMENTS AND LOCATIONS OF DEVICES.
2. MINIMUM NEW CIRCUIT WIRING SHALL CONSIST OF 2#12,1#12G, 1/2"C. WHERE HOME RUNS EXCEED 75' OR CONTINUOUS LOAD EXCEEDS 65% OF CIRCUIT RATING, MINIMUM CIRCUIT SIZE SHALL CONSIST OF 2#10G, 1/2"C. ALL NEW CIRCUITS SHALL INCLUDE A CONTINUOUS EQUIPMENT GROUNDING CONDUCTOR.
3. CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF ALL RECESSED LIGHTING FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLANS PRIOR TO INSTALLATION. VERIFY CEILING CONSTRUCTION WITH ARCHITECT IN ALL AREAS. CONTRACTOR SHALL BE RESPONSIBLE FOR ORDERING FIXTURES WITH CORRECT TRIMS, ETC. TO ASSURE COMPATIBILITY WITH CEILING STRUCTURE.
4. WHERE MORE THAN ONE SWITCH IS INDICATED AT A LOCATION, CONTRACTOR SHALL INSTALL CO-LOCATED LIGHT SWITCHES IN A COMMON FACEPLATE. USE MULTI-GANG BACKBOXES. VERIFY MOUNTING HEIGHT WITH ADA REQUIREMENTS. PROVIDE STEEL BARRIES BETWEEN SWITCHES FOR EACH CIRCUIT WHERE MANDATED BY CODE.
5. COORDINATE INSTALLATION OF LIGHTING FIXTURES IN MECHANICAL AREAS, EQUIPMENT ROOM, ETC; ADJUST FIXTURE HEIGHTS AND LOCATIONS AS NECESSARY TO OFFSET CONFLICTS.
6. EMERGENCY EGRESS AND EXIT SIGN CIRCUITS SHALL BE SERVED FROM GENERATOR BACK-UP CIRCUITS; PROVIDE A LOCK-ON DEVICE FOR ALL CIRCUITS SERVING EMERGENCY CIRCUITS, FIRE ALARM, AND OTHER CRITICAL LOADS.
7. ALL 15 AMPERE AND 20 AMPERE RECEPTACLES CONTROLLED BY AN AUTOMATIC DEVICE OR OCCUPANT SENSOR SENSOR CONTROL SHALL BE PERMANENTLY MARKED WITH THE WORD "CONTROLLED" AND SHALL BE LOCATED ON THE RECEPTACLE FACE AND VISIBLE AFTER INSTALLATION PER NEC 406.3(E)

GENERAL SYSTEM NOTES

1. REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING PLANS FOR ADDITIONAL INFORMATION, REQUIREMENTS, AND EQUIPMENT LOCATIONS.
2. MINIMUM SYSTEMS RACEWAY SIZE TO BE 3/4". ALL WIRING IN EXPOSED AREAS SHALL BE IN CONDUIT.
3. ALL LOW VOLTAGE WIRING SHALL COMPLY WITH THE APPLICABLE SECTIONS OF THE NATIONAL ELECTRICAL CODE AS LOCALLY ADOPTED AND AMENDED, INCLUDING ARTICLES 300, 725, 760, 800, 820.
4. WIRING METHODS ABOVE PLENUM CEILINGS MUST BE PLENUM-RATED. ALL WIRING METHODS MUST COMPLY WITH ARTICLE 300.22(C)
5. LOW VOLTAGE CABLES ROUTED VIA APPROVED OPEN WIRING METHODS MUST BE INDEPENDENTLY SUPPORTED VIA STRAPS, HANGERS, OR TRAY SPECIFICALLY DESIGNED TO PREVENT DAMAGE TO THE CABLE.
6. ACCESS TO EQUIPMENT SHALL NOT BE DENIED BY AN ACCUMULATION OF CONDUCTORS AND CABLES THAT PREVENT THE REMOVAL OF PANELS, SUCH AS SUSPENDED CEILING PANELS.
7. CEILING MOUNTED DEVICES AND BACKBOXES SHALL BE SOLIDLY SUPPORTED BY BRIDGES OR BAR HANGERS MANUFACTURED FOR THE PURPOSE. SUCH EQUIPMENT SHALL NOT RELAY ON NON-STRUCTURAL ELEMENTS SUCH AS SUSPENDED CEILING PANELS AS ITS SUPPORT.
8. ALL CABLING SHALL BE IDENTIFIED PER SPECIFICATIONS. SYSTEM CABLES MUST BE UNIQUELY IDENTIFIABLE BY COLOR PER SYSTEM. FIRE ALARM CABLE SHALL BE SEGREGATED FROM CABLES OF OTHER SYSTEMS AND USED ONLY FOR THE FIRE ALARM SYSTEM.
9. FIRE SEAL ALL PENETRATIONS THROUGH FIRE RATED WALLS AND PARTITIONS PER SPEC'S. PROVIDE ACOUSTICAL SEALANT AT OTHER PENETRATIONS. PROVIDE EXPANSION FITTINGS AT ALL EXPANSION JOINTS.



1 TYPICAL DEVICE HEIGHTS1

ELECTRICAL SYMBOLS LISTS

ELECTRICAL POWER SYSTEMS

SYMBOL	DESCRIPTION
	120/208V BRANCH PANEL/ DISTRIBUTION PANEL
	277/480V BRANCH PANEL/ DISTRIBUTION PANEL
	JUNCTION BOX
	FLOOR JUNCTION BOX
	DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
^{MRS}	MOTOR RATED SWITCH
T	TRANSFORMER
X.##	EQUIPMENT REQUIRING ELECTRICAL HOOKUP
H.D.	ELECTRIC HAND DRYER
	UP/DOWN/STOP OVERHEAD DOOR CONTROL

TELECOM SYSTEMS

SYMBOL	DESCRIPTION
▽	CAT6E DATA PORT; PROVIDE ORANGE CAT6E FOR DATA, GREEN FOR WAP, BLUE FOR VOICE AND YELLOW FOR CAMERAS.
▼	UNIQUELY IDENTIFIED CAT6E PORT FOR SEPARATE APPLICATION FOR OWNER DESIGNATION SUCH AS VOICE PRINTER, AND OTHERS
	WIRELESS ACCESS POINT CEILING OR WALL MOUNTED. (2) CAT6A CABLING
	FLOOR CAT6A DATA PORT

ACCESS CONTROL/ CCTV/ INTRUSION

SYMBOL	DESCRIPTION
	CEILING MOUNT DOME CAMERA
	ELECTRIC STRIKE OR LATCH PER HARDWARE SCHEDULE
DC	DOOR CONTACT
R+	CARD READER

RECEPTACLES

SYMBOL	DESCRIPTION
	DUPLEX CONVENIENCE OUTLET 18" A.F.F (U.N.O.) TO THE CENTER
	INDICATED AT COUNTER HEIGHT 6" ABOVE COUNTERTOP MEASURED TO CENTER. COORDINATE ACTUAL HEIGHT WITH BACKSPLASHES. SEE TYPICAL DEVICE HEIGHT DETAIL
GFI	* GFI * INDICATES GROUND FAULT INTERRUPT
USB	*USB* INDICATES RECEPTACLE WITH USB PORTS; HUBBELL USB820ASW OR EQUAL;
WP	* WP * INDICATES RAIN-TITE
	QUADPLEX CONVENIENCE OUTLET 18" A.F.F (U.N.O.) TO THE CENTER
	INDICATED AT COUNTER HEIGHT 6" ABOVE COUNTERTOP MEASURED TO CENTER. COORDINATE ACTUAL HEIGHT WITH BACKSPLASHES. SEE TYPICAL DEVICE HEIGHT DETAIL
	MOUNTED IN FLOOR BOX: DUPLEX RECEPTACLE
	MOUNTED IN FLOOR BOX: QUADPLEX RECEPTACLE
TV	SPLIT-CONTROLLED RECEPTACLE MOUNTED IN RECESSED TV BACK BOX
	SPLIT-CONTROLLED DUPLEX RECEPTACLE
	SPLIT-CONTROLLED DOUBLE DUPLEX RECEPTACLE
	MOUNTED IN FLOOR BOX: SPLIT-CONTROLLED QUADPLEX RECEPTACLE
	SPLIT-CONTROLLED DUPLEX RECEPTACLE INDICATED AT COUNTER HEIGHT 6" ABOVE COUNTERTOP MEASURE TO CENTER. COORDINATE ACTUAL HEIGHT WITH BACKSPLASHES. SEE TYPICAL DEVICE HEIGHT DETAIL

LIGHTING FIXTURES

SYMBOL	DESCRIPTION
	RECESSED/SURFACE LAY-IN FIXTURE
	RECESSED/SURFACE LAY-IN FIXTURE; LIFE SAFETY
	SURFACE/SUSPENDED STRIP/WRAPAROUND FIXTURE
	SURFACE/SUSPENDED STRIP/WRAPAROUND FIXTURE; LIFE SAFETY
	RECESSED DOWNLIGHT FIXTURE
	RECESSED DOWNLIGHT FIXTURE; LIFE SAFETY
	SURFACE MOUNTED LIGHTING FIXTURE
	WALL MOUNTED LIGHTING FIXTURE
	SELF-POWERED EXIT SIGNAGE PER LOCAL CODE
	COMPLIANT EMERGENCY UNIT LIGHTING EQUIPMENT AS SCHEDULED
F# / XX}-#	FIXTURE TAG / CIRCUIT

LIGHTING CONTROLS/SWITCHES

SYMBOL	DESCRIPTION
	REFER LIGHTING CONTROL SCHEDULE FOR FULL CONTROL SEQUENCE OF A ROOM; WALL CONTROL DEVICE IS ASSUMED TO CONTROL LOCAL FIXTURE UNLESS INDICATED OTHERWISE
$ / $_OS / $_OS	SWITCH TYPE (SINGLE POLE SWITCH, "3" THREE WAY, "OS" OCCUPANCY SENSOR, "D" DIMMER, "T" TIMER, OR INDICATED BY LIGHTING CONTROL SCHEDULE), 48" A.F.F. TO CENTER (U.N.O.). IN BLOCK WALLS, MEASUREMENT IS TO THE TOP
$ SW#	INDICATES TAG FOR WALL STATION CONTROL AS INDICATED LIGHTING CONTROL TAG SCHEDULE
OC#	CEILING/WALL OCC SENSOR AS INDICATED ON LIGHTING CONTROL TAG SCHEDULE
LS#	CEILING DAYLIGHT SENSOR AS INDICATED ON LIGHTING CONTROL TAG SCHEDULE

ELECTRICAL KEYNOTES

SYMBOL	DESCRIPTION
#	ELECTRICAL LIGHTING KEYNOTE
#	ELECTRICAL POWER KEYNOTE
#	ELECTRICAL LOW VOLTAGE SYSTEMS KEYNOTE
#	ELECTRICAL DEMOLITION KEYNOTE

ELECTRICAL DEMOLITION LEGEND

———	EXISTING TO REMAIN
- - - -	DEMO OR SALVAGE AS NOTED
REM	EXISTING TO REMAIN
X	DEMOLITION OF DEVICE
SALO	SALVAGE DEVICE TO OWNERS STOCK
SALR	SALVAGE DEVICE TO BE REUSED FOR THE PROJECT

FIRE ALARM SYSTEM

SYMBOL	DESCRIPTION
	AUDIBLE ONLY DEVICE
	VISUAL ONLY DEVICE
	AUDIBLE/VISUAL ONLY DEVICE
SP	SPEAKER STROBE DEVICE
P	PULL STATION
	DUCT SMOKE DETECTOR
	SMOKE DETECTOR
	THERMAL HEAT DETECTOR
	SPRINKLER WATER FLOW SWITCH
	SPRINKLER VALVE SUPERVISION SWITCH
FAA	FIRE ALARM ANNUNCIATOR PANEL
FCP	FIRE ALARM CONTROL PANEL
CT2	FIRE ALARM DUAL INPUT MODULE
CT1	FIRE ALARM SINGLE INPUT MODULE
DTS	DUCT DETECTOR TEST STATION
RA	RESCUE ASSISTANCE STATION
RAC	RESCUE ASSISTANCE COMMAND CENTER

ELECTRICAL ABBREVIATIONS

A.F.F	ABOVE FINISHED FLOOR
CB	CIRCUIT BREAKER
CCT	CIRCUIT
DISC	DISCONNECT
DN	DOWN
DPDT	DOUBLE POLE DOUBLE THROW
E	EXISTING
EWC	ELECTRIC WATER COOLER
FA	FIRE ALARM
G, GRD	GROUNDED
GFI	GROUND FAULT INTERRUPTER
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER
JB	JUNCTION BOX
KV	KILOVOLT
KW	KILOWATT
LTG	LIGHTING
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUG ONLY
N/C	NOT IN CONTRACT
NTS	NOT TO SCALE
PNL	PANEL
RCP	REFLECTED CEILING PLAN
SPDT	SINGLE POLE DOUBLE THROW
SW	SWITCH
TP	TAMPER PROOF
TYP	TYPICAL
UH	UNIT HEATER
U.N.O	UNLESS NOTED OTHERWISE
XMFR	TRANSFORMER
XP	EXPLOSION PROOF

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#	Description	Date

DRAWING TITLE:
GENERAL NOTES, LEGENDS AND DETAILS

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LIGHTING FIXTURE SCHEDULE - INTERIOR

TAG	LAMP	DESCRIPTION	MOUNTING	MANUFACTURER	MODEL	TRIM FINISH	WATTS	LPW	VOLT	NOTES
F1	5052 lm, 4000 K	RECESSED LIGHT	LAY-IN	LITHONIA	BLT4-48L-ADSM-MVOLT-EZ1-LP840-RES7PDT	WHITE	44 VA	114	120/277	
F1E	5052 lm, 4000 K	RECESSED LIGHT	LAY-IN	LITHONIA	BLT4-48L-ADSM-MVOLT-EZ1-LP840-RES7PDT-E10W	WHITE	44 VA	114	120/277	2
F2	5000 lm, 4000 K	STRIP LIGHT	SURFACE	LITHONIA	CLX-L48-5000LM-SEF-RDL-MVOLT-GZ10-40K-80CRI-WH-NLTAIR2-RES7PDT	WHITE	46 VA	156	120/277	
F3	4000 lm, 4000 K	RECESSED LIGHT	SUSPENDED	ALIGHT	ACL2ST-8'-ILS+DLVH-40K-80CRI-U-BW+HE-PIR-W-1-NAIR-E-OF-RES7PDT	WHITE	116 VA	94	120/277	2
F4	24000 lm, 4000 K	PENDANT LIGHT	SUSPENDED @ 22'-0"	LITHONIA	REBL-ALO16-WD-UVOLT-SWW3-80CRI-TLS	WHITE	167 VA	170	120/277	
F5	5000 lm, 4000 K	4" LOW PROFILE ENCLOSED AND GASKETED	SURFACE CEILING	LITHONIA	FEM-L48-6000LM-LPAFL-MD-MVOLT-40K-80CRI-SB0R10	WHITE	27 VA	156	120/277	
F5B	2221 lm, 4000 K	4" LOW PROFILE ENCLOSED AND GASKETED	SURFACE WALL HORIZONTAL	LITHONIA	FEM-L48-2000LM-LPAFL-MD-MVOLT-40K-80CRI-SB0R10	WHITE	14 VA	158	120/277	1

NOTES:

1. PROVIDE MOUNTING BRACKETS (ANGBKT) FOR HORIZONTAL WALL MOUNT APPLICATIONS.
2. PROVIDE EMERGENCY BATTERY PACK WITH 90 MINS DURATION.

LIGHT FIXTURE SCHEDULE GENERAL NOTES

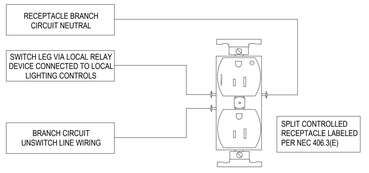
1. MANUFACTURER'S CATALOG NUMBERS ARE INTENTIONALLY INCOMPLETE. VERIFY AND COORDINATE REQUIRED TRIM KITS, MOUNTING BRACKETS, LAMPS, FINISHES, ETC. WITH CONTRACT DOCUMENTS, SPECIFICATIONS.
2. PROVIDE ALL NECESSARY ACCESSORIES FOR FIXTURES AND SENSORS IN ORDER TO ENSURE A COMPLETE AND PROPER OPERATION. FIXTURES SHALL INCLUDE ACCESSORIES FOR INSTALLATION ACCORDING TO LOCAL AND NATIONAL CODES.
3. ALL FIXTURES SHALL HAVE THE SAME COLOR TEMPERATURE PER SPECIFICATIONS.
4. PRIOR TO ORDERING LIGHTING EQUIPMENT, THE CONTRACTOR SHALL VERIFY LOCATIONS AND RECESS DEPTHS. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY ISSUES/PROBLEMS/CONFLICTS
5. LIGHTING FIXTURE'S MOUNTING HEIGHT IS TO THE BOTTOM OF THE FIXTURE UNLESS INDICATED OTHERWISE.
6. LIFE SAFETY AND EXIT SIGN CIRCUIT AND NEUTRAL TO BE ROUTED INDEPENDENTLY OF ALL OTHER WIRING. WIRING SHALL BE MINIMUM 10# AWG.

LIGHTING FIXTURE SCHEDULE - EXTERIOR

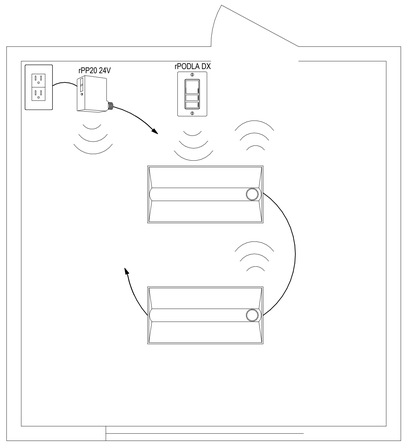
TAG	LAMP	DESCRIPTION	MOUNTING	MANUFACTURER	MODEL	TRIM FINISH	WATTS	LPW	VOLT	COMMENTS
OL1	1200, 4000K	WALL LIGHT	SURFACE WALL HORIZONTAL	LITHONIA	WDGE1-LED-P1-40K-90CRI-VF-MVOLT-PE	BRONZE	11 VA	123	120/277	

LIGHTING FIXTURE SCHEDULE - EXIT SIGN

TAG	DESCRIPTION	MOUNTING	MANUFACTURER	MODEL	LOAD	VOLT	COMMENTS
EM	ELU INDOOR, TWO HEAD	SURFACE WALL	LITHONIA	ELM6L UVOLT LTP	3 W	120/277	



4 CONTROLLED RECEPTACLE DETAIL



3 TYPICAL PRIVATE OFFICE - WITH PLUG CONTROL

LIGHTING CONTROL DEVICE SCHEDULE

EQUAL TO WATTSTOPPER, COOPER, CURRENT LIGHTING, ACUITY BRANDS
WHITE FINISH COLOR UNLESS NOTED

S1	ON/OFF/RAISE/LOWER LOW VOLTAGE SWITCH	nLIGHT AIR rPODLA SERIES

SEQUENCE OF OPERATION

LIGHTS:
- ALL LIGHTS ARE DIMMABLE
- ALL FIXTURES ARE CONTROLLED TOGETHER
- MAXIMUM LEVEL CAN BE LIMITED TO 80%

OCCUPANCY:
- LIGHTS MUST BE TURNED ON MANUALLY(OR OPTIONALLY CAN BE CONFIGURED TO COME ON AUTO TO 50%)
- PLUG LOAD TURNS ON AUTOMATICALLY
- LIGHTS AUTOMATICALLY TURN OFF WHEN ROOM BECOMES VACANT AFTER 20 MINUTES

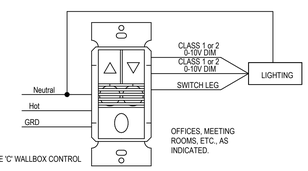
DAYLIGHT:
- NOT REQUIRED FOR AREAS WITHOUT WINDOWS OR HAVE SIDE LIT LOAD < 150W

MANUAL:
- ON/OFF & DIMMING CONTROL OF LIGHTS

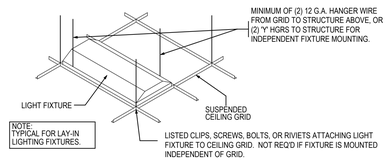
ADDITIONAL OPTIONS:
- SURFACE OR RECESSED MOUNT SENSORS ALSO AVAILABLE
- SUBSTITUTE MODEL nPP16D SA FOR DEFAULT MANUAL ON FUNCTIONALITY OR nPP16D PA FOR DEFAULT AUTO-ON TO 50% FUNCTIONALITY.
- ROOM CAN BE CONNECTED TO NLIGHT BACKBONE TO ENABLE CONTROL INCLUDING TIME BASED CONTROLS AND INTEGRATION WITH BUILDING MANAGEMENT SYSTEMS.

DIAGRAM LEGEND

	LINE VOLTAGE WIRES
	LINE FEED



2 DIMMING WALLBOX OCC SENSOR



1 MOUNT LAY-IN FIXTURES PER NEC Art. 410.36(B)

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LIGHTING SCHEDULE, CONTROL AND DETAILS

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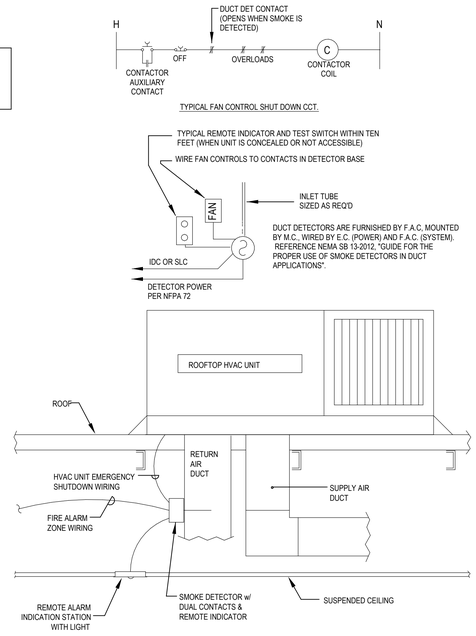
EQUIPMENT CONNECTION SCHEDULE

TAG	DESCRIPTION	MCA	LOAD VA	LOAD HP	VOLTAGE	MOCP	DISCONNECT	STARTER	PHASE	FED FROM	CKT	CIRCUIT SIZE	NOTES
AHU-A2-LT	AIR HANDLING UNIT	14.3 A	4107 VA	0.00 hp	208 V	25 A	30A FUSIBLE DISCONNECT; PROVIDE FUSE BY NAMEPLATE	INTEGRAL VFD	3	LP-A2-N	4,6,8	3#10 &1#10G, 3/4"C	1
AHU-B-N	AIR HANDLING UNIT	51.3 A	34087 VA	0.00 hp	480 V	90 A	100A FUSIBLE DISCONNECT; PROVIDE FUSE BY NAMEPLATE	INTEGRAL VFD	3	B-PP-G	8,10,12	3#3 & 1#8G, 1.25"C	1
AHU-B-S	AIR HANDLING UNIT	51.3 A	34087 VA	0.00 hp	480 V	90 A	100A FUSIBLE DISCONNECT; PROVIDE FUSE BY NAMEPLATE	INTEGRAL VFD	3	B-PP-G	13,15,17	3#3 & 1#8G, 1.25"C	1
BC-095.1	BLOWER COIL	9.3 A	900 VA	0.00 hp	120 V	15 A	INTEGRATED	INTEGRAL T-STAT	1	LP-A2-N	7	2#12 & 1#12G, 3/4"C	1
BLR-3	CONDENSING BOILER	28.0 A	18290 VA	0.00 hp	480 V	30 A	30A FUSIBLE DISCONNECT; PROVIDE FUSE BY NAMEPLATE	B.A.S.	3	HM-D	13,15,17	3#10 &1#10G, 3/4"C	1,2
BLR-4	CONDENSING BOILER	28.0 A	18290 VA	0.00 hp	480 V	30 A	30A FUSIBLE DISCONNECT; PROVIDE FUSE BY NAMEPLATE	B.A.S.	3	HM-D	19,21,23	3#10 &1#10G, 3/4"C	1,2
BP-3	PUMP	6.0 A	3991 VA	3.00 hp	480 V	15 A	30A FUSIBLE DISCONNECT; PROVIDE FUSE BY NAMEPLATE	OB CONTROLLER	3	HM-D	25,27,29	3#12 & 1#12G, 3/4"C	1,2
BP-4	PUMP	6.0 A	3991 VA	3.00 hp	480 V	15 A	30A FUSIBLE DISCONNECT; PROVIDE FUSE BY NAMEPLATE	OB CONTROLLER	3	HM-D	2,4,6	3#12 & 1#12G, 3/4"C	1,2
BP-B	PUMP	6.9 A	600 VA	0.00 hp	120 V	20 A	INTEGRATED	OB CONTROLLER	1	LP-A AREA B	3	2#12 & 1#12G, 3/4"C	1
CH-B-EAST	CHILLER	156.0 A	60000 VA	0.00 hp	480 V	200 A	200A FUSIBLE DISCONNECT; PROVIDE FUSE BY NAMEPLATE	INTEGRAL VFD	3	B-PP-G	2,4,6	3#3/0 & 1#6G, 2"C	1
CH-B-WEST	CHILLER	156.0 A	60000 VA	0.00 hp	480 V	200 A	200A FUSIBLE DISCONNECT; PROVIDE FUSE BY NAMEPLATE	INTEGRAL VFD	3	B-PP-G	1,3,5	3#3/0 & 1#6G, 2"C	1
CP-095.1	BLOWER COIL	0.8 A	70 VA	0.00 hp	120 V	20 A	INTEGRATED	INTEGRAL T-STAT	1	LP-A2-N	7	2#12 & 1#12G, 3/4"C	1
CP-AHU-B-N	PUMP	6.8 A	1123 VA	0.50 hp	208 V	20 A	INTEGRATED	OB CONTROLLER	1	LP-F-B	25,27	2#12 & 1#12G, 3/4"C	1
CP-AHU-B-S	PUMP	6.8 A	1123 VA	0.50 hp	208 V	20 A	INTEGRATED	OB CONTROLLER	1	LP-F-B	25,27	2#12 & 1#12G, 3/4"C	1
CP-AHU-LT	PUMP	5.5 A	528 VA	0.17 hp	120 V	15 A	INTEGRATED	OB CONTROLLER	1	LP-A2-N	2	2#12 & 1#12G, 3/4"C	1
CP-COST	PUMP	5.5 A	528 VA	0.17 hp	120 V	20 A	INTEGRATED	OB CONTROLLER	1	LP-A AREA B	1	2#12 & 1#12G, 3/4"C	
CP-DRES	PUMP	5.5 A	528 VA	0.17 hp	120 V	20 A	INTEGRATED	OB CONTROLLER	1	LP-A AREA B	1	2#12 & 1#12G, 3/4"C	
CUH-201.2	CABINET UNIT HEATER	1.8 A	157 VA	0.00 hp	120 V	20 A	INTEGRATED	B.A.S.	1	LP-A2-N	18	2#12 & 1#12G, 3/4"C	1
CUH-215.1	CABINET UNIT HEATER	1.9 A	160 VA	0.00 hp	120 V	20 A	INTEGRATED	B.A.S.	1	LP-A2-N	18	2#12 & 1#12G, 3/4"C	1
CUH-A2-0.1	CABINET UNIT HEATER	1.9 A	160 VA	0.00 hp	120 V	20 A	INTEGRATED	B.A.S.	1	LP-A2-N	1	2#12 & 1#12G, 3/4"C	1
CUH-A2-0.2	CABINET UNIT HEATER	4.9 A	422 VA	0.00 hp	120 V	20 A	INTEGRATED	B.A.S.	1	LP-A2-N	1	2#12 & 1#12G, 3/4"C	1
CUH-A2-1	CABINET UNIT HEATER	2.1 A	183 VA	0.00 hp	120 V	20 A	INTEGRATED	B.A.S.	1	LP-A2-N	16	2#12 & 1#12G, 3/4"C	1
CUH-A2-2	CABINET UNIT HEATER	1.7 A	150 VA	0.00 hp	120 V	20 A	INTEGRATED	B.A.S.	1	LP-A2-N	18	2#12 & 1#12G, 3/4"C	1
CUH-A2-S1	CABINET UNIT HEATER	1.9 A	164 VA	0.00 hp	120 V	20 A	INTEGRATED	B.A.S.	1	LP-A2-N	1	2#12 & 1#12G, 3/4"C	1
CUH-A2-S2	CABINET UNIT HEATER	1.8 A	152 VA	0.00 hp	120 V	20 A	INTEGRATED	B.A.S.	1	LP-A2-N	16	2#12 & 1#12G, 3/4"C	1
DOAS-D	ROOFTOP UNIT	34.0 A	6629 VA	0.00 hp	208 V	50 A	INTEGRATED	PACKAGED	3			3#8 & 1#10G, 3/4"C	1
DS-BOIL.1	DESTRATIFICATION FAN	1.4 A	120 VA	0.00 hp	120 V	20 A	INTEGRATED	B.A.S.	1	LPK2	25	2#12 & 1#12G, 3/4"C	1
DS-BOIL.2	DESTRATIFICATION FAN	1.4 A	120 VA	0.00 hp	120 V	20 A	INTEGRATED	B.A.S.	1	LPK2	25	2#12 & 1#12G, 3/4"C	1
DS-BOIL.3	DESTRATIFICATION FAN	1.4 A	120 VA	0.00 hp	120 V	20 A	INTEGRATED	B.A.S.	1	LPK2	25	2#12 & 1#12G, 3/4"C	1
EF-139	EXHAUST FAN	4.3 A	408 VA	0.13 hp	120 V	20 A	INTEGRATED	B.A.S.	1	LPK2	23	2#12 & 1#12G, 3/4"C	1
EF-A2-2.01	EXHAUST FAN	5.8 A	1657 VA	1.00 hp	208 V	20 A	INTEGRATED	B.A.S.	3	LP-A2-N	10,12,14	3#12 & 1#12G, 3/4"C	1
EF-A2-2.02	EXHAUST FAN	5.8 A	1657 VA	1.00 hp	208 V	20 A	INTEGRATED	B.A.S.	3	LP-A2-N	10,12,14	3#12 & 1#12G, 3/4"C	1
EF-A2-2.03	EXHAUST FAN	4.3 A	408 VA	0.13 hp	120 V	20 A	INTEGRATED	B.A.S.	1	LP-A2-N	21	2#12 & 1#12G, 3/4"C	1
EF-A2-2.04	EXHAUST FAN	5.8 A	1657 VA	1.00 hp	208 V	20 A	INTEGRATED	B.A.S.	3	LP-A2-N	10,12,14	3#12 & 1#12G, 3/4"C	1
EF-A2-209.1	EXHAUST FAN	4.3 A	408 VA	0.13 hp	120 V	20 A	INTEGRATED	B.A.S.	1	LP-A2-N	21	2#12 & 1#12G, 3/4"C	1
EF-A2-ST-1	EXHAUST FAN	4.3 A	408 VA	0.13 hp	120 V	20 A	INTEGRATED	B.A.S.	1	LP-A2-N	21	2#12 & 1#12G, 3/4"C	1
EF-AUTO.1	EXHAUST FAN	13.3 A	3819 VA	3.00 hp	208 V	20 A	INTEGRATED	B.A.S.	3	LPK2	2,4,6	3#12 & 1#12G, 3/4"C	1
EF-AUTO.2	EXHAUST FAN	1.3 A	120 VA	0.01 hp	120 V	20 A	INTEGRATED	B.A.S.	1	LPK2	23	2#12 & 1#12G, 3/4"C	1
EF-AUTO.3	EXHAUST FAN	4.3 A	408 VA	0.13 hp	120 V	20 A	INTEGRATED	B.A.S.	1	LPK2	23	2#12 & 1#12G, 3/4"C	1
EF-B-1.01	EXHAUST FAN	6.8 A	1123 VA	0.50 hp	208 V	15 A	INTEGRATED	B.A.S.	1	M-LP2	39,41	2#12 & 1#12G, 3/4"C	1
EF-B-N	EXHAUST FAN	8.6 A	2486 VA	1.00 hp	208 V	15 A	INTEGRATED	B.A.S.	3	LP-F-B	28,30,32	3#12 & 1#12G, 3/4"C	1
EF-BOIL.1	EXHAUST FAN	4.3 A	408 VA	0.13 hp	120 V	20 A	INTEGRATED	B.A.S.	1	LPK2	27	2#12 & 1#12G, 3/4"C	1
EF-BOIL.2	EXHAUST FAN	6.8 A	1123 VA	0.50 hp	208 V	15 A	INTEGRATED	B.A.S.	1	LPK2	17,19	2#12 & 1#12G, 3/4"C	1
EF-BOIL.3	EXHAUST FAN	4.3 A	408 VA	0.13 hp	120 V	20 A	INTEGRATED	B.A.S.	1	LPK2	27	2#12 & 1#12G, 3/4"C	1
EF-D-1.8	EXHAUST FAN	9.0 A	864 VA	0.33 hp	120 V	20 A	INTEGRATED	B.A.S.	1	LPK2	25	2#12 & 1#12G, 3/4"C	1
EF-WELD.1	EXHAUST FAN	20.9 A	6016 VA	5.00 hp	208 V	35 A	PRE-WIRED	B.A.S.	3	LPK2	12,14,16	3#8 & 1#10G, 3/4"C	1
EF-WELD.2	EXHAUST FAN	13.3 A	3819 VA	3.00 hp	208 V	20 A	PRE-WIRED	B.A.S.	3	LPK2	18,20,22	3#12 & 1#12G, 3/4"C	1
EF-WELD.3	EXHAUST FAN	20.9 A	6016 VA	5.00 hp	208 V	35 A	PRE-WIRED	B.A.S.	3	LPK2	24,26,28	3#8 & 1#10G, 3/4"C	1
EF-WELD.4	EXHAUST FAN	4.3 A	408 VA	0.13 hp	120 V	20 A	INTEGRATED	B.A.S.	1	LPK2	27	2#12 & 1#12G, 3/4"C	1
FC092.2	FAN COIL	4.2 A	402 VA	0.00 hp	120 V	20 A	INTEGRATED	B.A.S.	1	LP-A2-N	3	3#12 & 1#12G, 3/4"C	1
FC092.3	FAN COIL	4.2 A	402 VA	0.00 hp	120 V	20 A	INTEGRATED	B.A.S.	1	LP-A2-N	3	3#12 & 1#12G, 3/4"C	1
FC092.4	FAN COIL	4.2 A	402 VA	0.00 hp	120 V	20 A	INTEGRATED	B.A.S.	1	LP-A2-N	3	3#12 & 1#12G, 3/4"C	1
FC-091.2	FAN COIL	4.2 A	402 VA	0.00 hp	120 V	20 A	INTEGRATED	B.A.S.	1	LP-A2-N	5	2#12 & 1#12G, 3/4"C	1
FC-093	FAN COIL	2.4 A	240 VA	0.00 hp	120 V	20 A	INTEGRATED	B.A.S.	1	LP-A2-N	7	2#12 & 1#12G, 3/4"C	1
FC-094.1	FAN COIL	4.2 A	402 VA	0.00 hp	120 V	20 A	INTEGRATED	B.A.S.	1	LP-A2-N	1	2#12 & 1#12G, 3/4"C	1
FC-098	FAN COIL	4.2 A	402 VA	0.00 hp	120 V	20 A	INTEGRATED	B.A.S.	1	LP-A2-N	7	2#12 & 1#12G, 3/4"C	1
FC-098.1	FAN COIL	2.4 A	240 VA	0.00 hp	120 V	20 A	INTEGRATED	B.A.S.	1	LP-A2-N	16	2#12 & 1#12G, 3/4"C	1
FC-209	FAN COIL	2.4 A	234 VA	0.00 hp	120 V	20 A	INTEGRATED	B.A.S.	1	LP-A2-N	11	2#12 & 1#12G, 3/4"C	1
GLY-B	GLYCOL FEEDER	1.3 A	120 VA	0.00 hp	120 V	20 A	CORD & PLUG	B.A.S.	1	LP-A AREA B	3	2#12 & 1#12G, 3/4"C	1
HT-B-N	ELECTRIC UNIT HEATER	30.0 A	3700 VA	0.00 hp	208 V	35 A	INTEGRATED	INTEGRAL T-STAT	1	LP-F-B	36,38	2#8 & 1#10G, 3/4"C	1
HT-B-S	ELECTRIC UNIT HEATER	30.0 A	3700 VA	0.00 hp	208 V	35 A	INTEGRATED	INTEGRAL T-STAT	1	LP-F-B	37,39	2#8 & 1#10G, 3/4"C	1
HWP-B1.1	PUMP	9.5 A	6319 VA	5.00 hp	480 V	15 A	30A FUSIBLE DISCONNECT; PROVIDE FUSE BY NAMEPLATE	OB CONTROLLER	3	HM-D	20,22,24	3#12 & 1#12G, 3/4"C	1,2
HWP-B1.2	PUMP	9.5 A	6319 VA	5.00 hp	480 V	15 A	30A FUSIBLE DISCONNECT; PROVIDE FUSE BY NAMEPLATE	OB CONTROLLER	3	HM-D	26,28,30	3#12 & 1#12G, 3/4"C	1,2
HWP-D1.1	PUMP	4.3 A	2827 VA	2.00 hp	480 V	15 A	30A FUSIBLE DISCONNECT; PROVIDE FUSE BY NAMEPLATE	OB CONTROLLER	3	HM-D	8,10,12	3#12 & 1#12G, 3/4"C	1,2
HWP-D1.2	PUMP	4.3 A	2827 VA	2.00 hp	480 V	15 A	30A FUSIBLE DISCONNECT; PROVIDE FUSE BY NAMEPLATE	OB CONTROLLER	3	HM-D	14,16,18	3#12 & 1#12G, 3/4"C	1,2
IR-AUTO	GAS FIRED INFRARED HEATER	11.3 A	1080 VA	0.30 hp	120 V	15 A	INTEGRATED	INTEGRAL T-STAT	1	LPK2	13	2#12 & 1#12G, 3/4"C	1
MAU-D-150	ROOFTOP UNIT	3.9 A	1117 VA	0.00 hp	208 V	15 A	PACKAGED	PACKAGED	3	LPK2	1,3,5	3#12 & 1#12G, 3/4"C	1
MAU-WELD	ROOFTOP UNIT	23.0 A	6629 VA	0.00 hp	208 V	25 A	PACKAGED	PACKAGED	3			3#10 &1#10G, 3/4"C	1
P-RH-I	PUMP	5.5 A	528 VA	0.17 hp	120 V	15 A	INTEGRATED	OB CONTROLLER	1	A4-LRP-22	1	2#12 & 1#12G, 3/4"C	1
P-RH-J	PUMP	5.5 A	528 VA	0.17 hp	120 V	15 A	INTEGRATED	OB CONTROLLER	1	A3-LRP-22	1	2#12 & 1#12G, 3/4"C	1
PTAC-090	PTAC	20.0 A	3600 VA	0.00 hp	208 V	25 A	INTEGRATED	T-STAT	1	LP-A2-N	23,25	2#10 & 1#10G, 3/4"C	1
RF-B-N	EXHAUST FAN	31.6 A	9115 VA	7.50 hp	208 V	50 A	INTEGRATED	B.A.S.	3	LP-F-B	31,33,35	3#8 & 1#10G, 3/4"C	1
RF-B-S	EXHAUST FAN	31.6 A	9115 VA	7.50 hp	208 V	50 A	INTEGRATED	B.A.S.	3	LP-F-B	19,21,23	3#8 & 1#10G, 3/4"C	1
RTU-B-STAGE	ROOFTOP UNIT	48.0 A	18432 VA	0.00 hp	480 V	70 A	PACKAGED	PACKAGED	3	B-PP-G	7,9,11	3#4 & 1#8G, 1"C	1
RTU-C-OFC	ROOFTOP UNIT	32.6 A	12480 VA	0.00 hp	480 V	40 A	PACKAGED	PACKAGED	3	C-MHDP	26,28,30	3#6 & 1#10G, 3/4"C	1
RTU-D-141	ROOFTOP UNIT	42.0 A	12105 VA	0.00 hp	208 V	60 A	PACKAGED	PACKAGED	3	NEW D-PP-D	11	3#6 & 1#10G, 1"C	1
RTU-D-143	ROOFTOP UNIT	42.0 A	12105 VA	0.00 hp	208 V	60 A	PACKAGED	PACKAGED	3	NEW D-PP-D	10	3#6 & 1#10G, 1"C	1
RTU-D-150	ROOFTOP UNIT	35.0 A	10087 VA	0.00 hp	208 V	50 A	PACKAGED	PACKAGED	3	LPK2	7,9,11	3#6 & 1#10G, 1"C	1
UH-A2-2.1	HYDRONIC UNIT HEATER	5.5 A	528 VA	0.17 hp	120 V	20 A	INTEGRATED	INTEGRAL T-STAT	1	LP-A2-N	20	2#12 & 1#12G, 3/4"C	1
UH-A2-2.2	HYDRONIC UNIT HEATER	5.5 A	528 VA	0.17 hp	120 V	20 A	INTEGRATED	INTEGRAL T-STAT	1	LP-A2-N	20	2#12 & 1#12G, 3/4"C	1
UH-AUTO	GAS FIRED UNIT HEATER	11.3 A	1080 VA	0.33 hp	120 V	15 A	INTEGRATED	INTEGRAL T-STAT	1	LPK2	15	2#12 & 1#12G, 3/4"C	1
UH-B-N	HYDRONIC UNIT HEATER	5.5 A	528 VA	0.17 hp	120 V	20 A	INTEGRATED	INTEGRAL T-STAT	1	LP-F-B	29	2#12 & 1#12G, 3/4"C	1
UH-B-S	HYDRONIC UNIT HEATER	5.5 A	528 VA	0.17 hp	120 V	20 A	INTEGRATED	INTEGRAL T-STAT	1	LP-F-B	29	2#12 & 1#12G, 3/4"C	1
UH-BOIL.1	HYDRONIC UNIT HEATER	11.3 A	1080 VA	0.30 hp	120 V	25 A	INTEGRATED	INTEGRAL T-STAT	1	LPK2	21	2#12 & 1#12G, 3/4"C	1
UH-BOIL.2	HYDRONIC UNIT HEATER	11.3 A	1080 VA	0.30 hp	120 V	25 A	INTEGRATED	INTEGRAL T-STAT	1	LPK2	21	2#12 & 1#12G, 3/4"C	1
UH-WELD.1	HYDRONIC UNIT HEATER	11.3 A	1080 VA	0.33 hp	120 V	25 A	INTEGRATED	INTEGRAL T-STAT	1	LPK2	8	2#12 & 1#12G, 3/4"C	1
UH-WELD.2	HYDRONIC UNIT HEATER	11.3 A	1080 VA	0.33 hp	120 V	25 A	INTEGRATED	INTEGRAL T-STAT	1	LPK2	8	2#12 & 1#12G, 3/4"C	1
UH-WOOD.1	HYDRONIC UNIT HEATER	11.0 A	1056 VA	0.17 hp	120 V	25 A	INTEGRATED	INTEGRAL T-STAT	1	LPK2	10	2#12 & 1#12G, 3/4"C	1
UH-WOOD.2	HYDRONIC UNIT HEATER	11.0 A	1056 VA	0.17 hp	120 V	25 A	INTEGRATED	INTEGRAL T-STAT	1	LPK2	10	2#12 & 1#12G, 3/4"C	1
UV-091.1	UNIT VENTILATOR	4.2 A	402 VA	0.00 hp	120 V	20 A	INTEGRATED	INTEGRAL T-STAT	1	LP-A2-N	5	2#12 & 1#12G, 3/4"C	1
UV-091.2	UNIT VENTILATOR	4.2 A	402 VA	0.00 hp	120 V	20 A	INTEGRATED	INTEGRAL T-STAT	1	LP-A2-N	5	2#12 & 1#12G, 3/4"C	1
UV-092	UNIT VENTILATOR	4.2 A	402 VA	0.00 hp	120 V	20 A	INTEGRATED	INTEGRAL T-STAT	1	LP-A2-N	16	2#12 & 1#12G, 3/4"C	1
UV-094	UNIT VENTILATOR	4.2 A	402 VA	0.00 hp	120 V	20 A	INTEGRATED	INTEGRAL T-STAT	1	LP-A2-N	16	2#12 & 1#12G, 3/4"C	1
UV-142	UNIT VENTILATOR	8.4 A	804 VA	0.00 hp	120 V	20 A	INTEGRATED	INTEGRAL T-STAT	1	LP-B AREA D	21	2#12 & 1#12G, 3/4"C	1
UV-144	UNIT VENTILATOR	8.4 A	804 VA	0.00 hp	120 V	20 A	INTEGRATED	INTEGRAL T-STAT	1	LP-B AREA D	21	2#12 & 1#12G, 3/4"C	1
UV-146	UNIT VENTILATOR	4.2 A	402 VA	0.00 hp	120 V	20 A	INTEGRATED	INTEGRAL T-STAT	1	LP-B AREA D	25	2#12 & 1#12G, 3/4"C	1
UV-201	UNIT VENTILATOR	4.2 A	402 VA	0.00 hp	120 V	20 A	INTEGRATED	INTEGRAL T-STAT	1	LP-A2-N	9	2#12 & 1#12G, 3/4"C	1
UV-202.1	UNIT VENTILATOR	4.2 A	402 VA	0.00 hp	120 V	20 A	INTEGRATED	INTEGRAL T-STAT	1	LP-A2-N	19	2#12 & 1#12G, 3/4"C	1
UV-202.2	UNIT VENTILATOR	4.2 A	402 VA	0.00 hp	120 V	20 A	INTEGRATED	INTEGRAL T-STAT	1	LP-A2-N	19	2#12 & 1#12G, 3/4"C	1
UV-203.2	UNIT VENTILATOR	4.2 A	402 VA	0.00 hp	120 V	20 A	INTEGRATED	INTEGRAL T-STAT	1	LP-A2-N	9	2#12 & 1#12G, 3/4"C	1
UV-204.1	UNIT VENTILATOR	4.2 A	402 VA	0.00 hp	120 V	20 A	INTEGRATED	INTEGRAL T-STAT	1	LP-A2-N	19	2#12 & 1#12G, 3/4"C	1
UV-204.2	UNIT VENTILATOR	4.2 A	402 VA	0.00 hp	120 V	20 A	INTEGRATED	INTEGRAL T-STAT	1	LP-A2-N	19	2#12 & 1#12G, 3/4"C	1
UV-205.1	UNIT VENTILATOR	4.2 A	402 VA	0.00 hp	120 V	20 A	INTEGRATED	INTEGRAL T-STAT	1	LP-A2-N	9	2#12 & 1#12G, 3/4"C	1
UV-205.2	UNIT VENTILATOR	4.2 A	402 VA	0.00 hp	120 V	20 A	INTEGRATED	INTEGRAL T-STAT	1	LP-A2-N	11	2#12 & 1#12G, 3/4"C	1
UV-206	UNIT VENTILATOR	8.4 A	804 VA	0.00 hp	120 V	20 A	INTEGRATED	INTEGRAL T-STAT	1	LP-A2-N	17	2#12 & 1#12G, 3/4"C	1
UV-207	UNIT VENTILATOR	8.4 A	804 VA	0.00 hp	120 V	20 A	INTEGRATED	INTEGRAL T-STAT	1	LP-A2-N	11	2#12 & 1#12G, 3/4"C	1
UV-208	UNIT VENTILATOR	8.4 A	804 VA	0.00 hp	120 V	20 A	INTEGRATED	INTEGRAL T-STAT	1	LP-A2-N	17	2#12 & 1#12G, 3/4"C	1
UV-211	UNIT VENTILATOR	8.4 A	804 VA	0.00 hp	120 V	20 A	INTEGRATED	INTEGRAL T-STAT	1	LP-A2-N	13	2#12 & 1#12G, 3/4"C	1
UV-212	UNIT VENTILATOR	8.4 A	804 VA	0.00 hp	120 V	20 A	INTEGRATED	INTEGRAL T-STAT	1	LP-A2-N	15	2#12 & 1#12G, 3/4"C	1
UV-213	UNIT VENTILATOR	4.2 A	402 VA	0.00 hp	120 V	20 A	INTEGRATED	INTEGRAL T-STAT	1	LP-A2-N	13	2#12 & 1#12G, 3/4"C	1
UV-215	UNIT VENTILATOR	8.4 A	804 VA	0.00 hp	120 V	20 A	INTEGRATED	INTEGRAL T-STAT	1	LP-A2-N	15	2#12 & 1#12G, 3/4"C	1

NOTES:

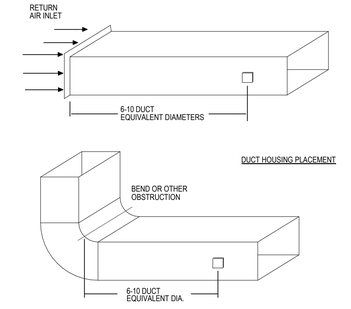
1. PROVIDE COMPLIANT CONNECTION.
2. DISCONNECT SWITCH TO BE LOCKABLE.

TYP. DUCT DETECTOR LOCATION DETAIL



1 TYP. DUCT DETECTOR LOCATION DETAIL

DUCT DETECTOR INSTALLATION DETAIL



LOCATION OF SMOKE DETECTOR IN AIR PLENUMS TO COMPLY WITH NFPA 72 17.7.6.4.2 AIR HANDLERS 2000 CFM TO 15000 CFM SHALL HAVE DUCT SMOKE DETECTORS IN THE RETURN AIR DUCT, OVER 15000 CFM IN BOTH THE RETURN AND SUPPLY AIR DUCTS.

2 DUCT DETECTOR INSTALLATION DETAIL

CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

EAST AURORA SCHOOL DISTRICT #131
EAHS MECHANICAL IMPROVEMENTS
PHASE III
500 TOMCAT LN.
AURORA, IL 60506

NOT FOR CONSTRUCTION

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CC JOB NUMBER 261012

DATE 10.01.2026

REVISIONS:

#	Description	Date

DRAWING TITLE:
EQUIPMENT HOOKUP SCHEDULE, AND DETAILS

E4.3

ISSUED FOR BID SET - 10.01.2026

10/1/2026 10:40:41 AM

Switchboard: NEW D-PP-D

Location: MAKER LAB 141 | **Volts:** 208Y/120 | **A.I.C. Rating:**
Supply From: MLSB2 | **Phases:** 3 | **Mains Type:** MLO
Mounting: SURFACE | **Wires:** 4 | **Mains Rating:** 600.0 A
Enclosure: NEMA1
Mfr/Model:

Notes: **"R" = RELOCATED CIRCUIT FROM PREVIOUSLY DEMOED PANELBOARD**

LOAD CAT	CKT	Circuit Description	# of Poles	RATING	Load	REMARKS
	1	LPK	3	150.0 A	0 VA	R
	2	NEW LPK2	3	200.0 A	43974 VA	NEW BREAKER
	3	KILN	3	50.0 A	0 VA	R
	4	KILN	3	50.0 A	0 VA	R
	5	TUNNEL SUMP PUMP	3	15.0 A	0 VA	R
	6	TUNNEL SUMP PUMP	3	15.0 A	0 VA	R
	7	D-LPG, D-LP-F	3	150.0 A	0 VA	R
	8	D-PP-A (D-LP-A1)	3	200.0 A	0 VA	R
	9	ADJACENT PANELBOARD	3	100.0 A	0 VA	R
	10	RTU-D-141	3	60.0 A	12105 VA	NEW BREAKER
	11	RTU-D-143	3	60.0 A	12105 VA	NEW BREAKER
	12	D-PP-A(D-LP-A1)	3	200.0 A	0 VA	R
	13					
	14					
					68184 VA	
					189.3 A	

Circuit Breaker Legend(CBL):

LO - BREAKER LOCKED IN ON POSITION GF - GFCI PROTECTED CIRCUIT BREAKER ST - SHUNT TRIP BREAKER

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	59592 VA	100.00%	59592 VA		
HEAT	8592 VA	100.00%	8592 VA	**Total Conn. Load:**	68184 VA
				Total Est. Demand:	68184 VA
				Total Conn.:	189.3 A
				Total Est. Demand:	189.3 A

Panelboard: HM-D

Location: BOILER ROOM | **Volts:** 480Y/277
Supply From: DP-1 | **Phases:** 3
Mounting: SURFACE | **Wires:** 4 | **A.I.C. Rating:** 10,000 AMPS SYMMETRICAL
Enclosure: NEMA1 | **Mains Type:** MAIN CB
Mfr/Model: | **Mains:** 400.0 A

Notes: **RELOCATED CKT AND BREAKER FROM DP-1**

NOTE	CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	NOTE
	1				0 1330						2	
R	3	BLR-1	30.0 A	3		0 1330		3	15.0 A	BP-4	4	
	5						0 1330				6	
	7				0 942						8	
R	9	BLR-2	30.0 A	3		0 942		3	15.0 A	HWP-D1.1	10	
	11						0 942				12	
	13				6097 942						14	
	15	BLR-3	30.0 A	3		6097 942		3	15.0 A	HWP-D1.2	16	
	17						6097 942				18	
	19				6097 2106						20	
	21	BLR-4	30.0 A	3		6097 2106		3	15.0 A	HWP-B1.1	22	
	23						6097 2106				24	
	25				1330 2106						26	
	27	BP-3	15.0 A	3		1330 2106		3	15.0 A	HWP-B1.2	28	
	29						1330 2106				30	
	31	SPARE	20.0 A	1	0 --			1	--	SPACE	32	
	33	SPARE	20.0 A	1		0 --		1	--	SPACE	34	
	35	SPARE	20.0 A	1			0 --	1	--	SPACE	36	
	37	SPARE	20.0 A	1	0 --			1	--	SPACE	38	
	39	SPARE	20.0 A	1		0 --		1	--	SPACE	40	
	41	SPARE	20.0 A	1			0 --	1	--	SPACE	42	
					Total Load: 20951 VA		20951 VA			20951 VA		
					Total Amps: 75.6 A		75.6 A			75.6 A		

Circuit Breaker Legend(CBL):

LO - BREAKER LOCK IN ON POSITION GF - GFCI PROTECTED CIRCUIT BREAKER

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
MTR	62853 VA	107.28%	67425 VA		
				Total Conn. Load:	62853 VA
				Total Est. Demand:	67425 VA
				Total Conn.:	75.6 A
				Total Est. Demand:	81.1 A

Panelboard: LP-F-B

Location: | **Volts:** 208Y/120
Supply From: | **Phases:** 3
Mounting: SURFACE | **Wires:** 4 | **A.I.C. Rating:** 10,000 AMPS SYMMETRICAL
Enclosure: NEMA1 | **Mains Type:** MLO
Mfr/Model: | **Mains:** 200.0 A

Notes: **"R" = RELOCATED CIRCUIT FROM PREVIOUSLY DEMOED PANELBOARD**

NOTE	CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	NOTE
R	1	LTG FAN ROOM	20.0 A	1	0 0			1	20.0 A	LTG CATWALK NORTH	2	R
R	3	LTG CATWALK SOUTH	20.0 A	1		0 0		1	20.0 A	LTG CATWALK	4	R
R	5	RCPT CATWALK SOUTH	20.0 A	1			0 0	1	20.0 A	RCPT CATWALK NORTH	6	R
R	7	LTG SOUTH FAN ROOM	20.0 A	1	0 0			1	20.0 A	EXSTNG CKT OR SPARE VIF	8	R
R	9	EXSTNG CKT OR SPARE VIF	20.0 A	1		0 0		1	20.0 A	RCPT BALCONY RAIL	10	R
R	11	LTG	20.0 A	1			0 0	1	20.0 A	RCPT BALCONY RAIL	12	R
R	13	RCPT BACK BALCONY	20.0 A	1	0 0			1	20.0 A	RCPT	14	R
R	15	RCPT	20.0 A	1		0 0		1	20.0 A	RCPT	16	R
R	17	EXSTNG CKT OR SPARE VIF	20.0 A	1			0 0	1	20.0 A	EXSTNG CKT OR SPARE VIF	18	R
	19				3038 0			1	20.0 A	IBM FEED	20	R
	21	RF-B-S	50.0 A	3		3038 0					22	
	23						3038 0	3	70.0 A	SUB PANEL	24	R
	25	CP-AHU-B-N & CP-AHU-B-S	20.0 A	2	1123 0						26	
	27					1123 829					28	
	29	UH-B-N & UH-B-S	20.0 A	1			1056 829	3	15.0 A	EF-B-N	30	
	31				3038 829						32	
	33	RF-B-N	50.0 A	3		3038 360		1	20.0 A	AHU RCPT	34	
	35						3038 1850	2	35.0 A	HT-B-N	36	
	37	HT-B-S	35.0 A	2	1850 1850						38	
	39					1850					40	
	41										42	
					Total Load: 11728 VA		10238 VA			9811 VA		
					Total Amps: 98.3 A		85.9 A			81.8 A		

Circuit Breaker Legend(CBL):

LO - BREAKER LOCK IN ON POSITION GF - GFCI PROTECTED CIRCUIT BREAKER

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	20715 VA	100.00%	20715 VA		
MTR	2246 VA	112.50%	2527 VA	**Total Conn. Load:**	31778 VA
RCPT	360 VA	100.00%	360 VA	**Total Est. Demand:**	32059 VA
HEAT	8456 VA	100.00%	8456 VA	**Total Conn.:**	88.2 A
				Total Est. Demand:	89.0 A

Panelboard: LPK2

Location: AUTOSHOP 150 | **Volts:** 208Y/120
Supply From: NEW D-PP-D | **Phases:** 3
Mounting: SURFACE | **Wires:** 4 | **A.I.C. Rating:** 10,000 AMPS SYMMETRICAL
Enclosure: NEMA1 | **Mains Type:** MCB
Mfr/Model: | **Mains:** 200.0 A

Notes:

NOTE	CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	NOTE
	1				372 1273						2	
	3	MAU-D-150	15.0 A	3		372 1273		3	20.0 A	EF-AUTO.1	4	
	5						372 1273				6	
	7				3362 2160			1	25.0 A	UH-WELD: 1,2	8	
	9	RTU-D-150	50.0 A	3		3362 2112		1	25.0 A	UH-WOOD: 1,2	10	
	11						3362 2005				12	
	13	IR-AUTO	15.0 A	1	1080 2005			3	35.0 A	EF-WELD: 1	14	
	15	UH-AUTO	15.0 A	1		1080 2005					16	
	17	EF-BOIL.2	15.0 A	2			562 1273				18	
	19				562 1273			3	20.0 A	EF-WELD.2	20	
	21	UH-BOIL: 1,2	25.0 A	1		2160 1273					22	
	23	EF-139. EF- AUTO 2,3	20.0 A	1			936 2005				24	
	25	EF-D-1.8 & DS-BOIL 1,2,3	20.0 A	1	1224 2005			3	35.0 A	EF-WELD.3	26	
	27	EF-BOIL.1 ,3, EF-WELD.4	20.0 A	1		1224 2005					28	
	29	SPARE	20.0 A	1			0 --	1	--	SPACE	30	
	31	SPARE	20.0 A	1	0 --			1	--	SPACE	32	
	33	SPARE	20.0 A	1		0 --		1	--	SPACE	34	
	35	SPARE	20.0 A	1			0 --	1	--	SPACE	36	
	37	SPARE	20.0 A	1	0 --			1	--	SPACE	38	
	39	SPARE	20.0 A	1		0 --		1	--	SPACE	40	
	41	SPARE	20.0 A	1			0 --	1	--	SPACE	42	
					Total Load: 15317 VA		16868 VA			11789 VA		
					Total Amps: 132.2 A		145.1 A			98.2 A		

Circuit Breaker Legend(CBL):

LO - BREAKER LOCK IN ON POSITION GF - GFCI PROTECTED CIRCUIT BREAKER

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	35382 VA	100.00%	35382 VA		
HEAT	8592 VA	100.00%	8592 VA	**Total Conn. Load:**	43974 VA
				Total Est. Demand:	43974 VA
				Total Conn.:	122.1 A
				Total Est. Demand:	122.1 A

Panelboard: LP-B-C

Location: | **Volts:** 208Y/120
Supply From: | **Phases:** 3
Mounting: RECESSED | **Wires:** 4 | **A.I.C. Rating:** 10,000 AMPS SYMMETRICAL
Enclosure: NEMA1 | **Mains Type:** MAIN CB
Mfr/Model: | **Mains:** 225.0 A

Notes: **R = RELOCATED CKT FROM PREVIOUS PANEL**

NOTE	CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	NOTE
R	1	OFFICE RECEPTACLE	20.0 A	1	0 0						2	
R	3	HALL RECEPTACLE	20.0 A	1		0 0		3	80.0 A	PANEL CLP-A2	4	R
R	5	E LIB WALL COMPUTER RECEP	20.0 A	1			0 0				6	
R	7	FAN ROOM LIGHTS	20.0 A	1	0 0			1	20.0 A	SPARE	8	
R	9	EAST HALLWAY LIGHTING	20.0 A	1		0 0		1	20.0 A	SPARE	10	
R	11	REAR OFFICE COMPUTER RECEP	20.0 A	1			0 0	1	20.0 A	SPARE	12	
	13	SPARE	20.0 A	1	0 0			1	20.0 A	SPARE	14	
	15	SPARE	20.0 A	1		0 --		1	--	SPACE	16	
	17	SPARE	20.0 A	1			0 --	1	--	SPACE	18	
	19	SPARE	20.0 A	1	0 --			1	--	SPACE	20	
	21	SPARE	20.0 A	1		0 --		1	--	SPACE	22	
	23	SPARE	20.0 A	1			0 --	1	--	SPACE	24	
	25	SPARE	20.0 A	1	0 --			1	--	SPACE	26	
	27	SPARE	20.0 A	1		0 --		1	--	SPACE	28	
	29	SPARE	20.0 A	1			0 --	1	--	SPACE	30	
	31	SPARE	20.0 A	1	0 --			1	--	SPACE	32	
	33	SPARE	20.0 A	1		0 --		1	--	SPACE	34	
	35	SPARE	20.0 A	1			0 --	1	--	SPACE	36	
	37	SPARE	20.0 A	1	0 --			1	--	SPACE	38	
	39	SPARE	20.0 A	1		0 --		1	--	SPACE	40	
	41	SPARE	20.0 A	1			0 --	1	--	SPACE	42	
					Total Load: 0 VA		0 VA			0 VA		
					Total Amps: 0.0 A		0.0 A			0.0 A		

Circuit Breaker Legend(CBL):

LO - BREAKER LOCK IN ON POSITION GF - GFCI PROTECTED CIRCUIT BREAKER

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn.:	0.0 A
				Total Est. Demand:	0.0 A

Panelboard: LP-A2-N

Location: STOR. C1B | **Volts:** 208Y/120
Supply From: MLSB | **Phases:** 3
Mounting: SURFACE | **Wires:** 4 | **A.I.C. Rating:** 10,000 AMPS SYMMETRICAL
Enclosure: NEMA1 | **Mains Type:** MLO
Mfr/Model: | **Mains:** 225.0 A

Notes:

LOAD CAT	CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	LOAD CAT
	1	CUH: A2-0.1, A2-0.2, A2-S1	20.0 A	1	1148 528			1	15.0 A	CP-AHU-LT	2	
	3	FC.092.2,092.3,092.4,094.1, UV-092	20.0 A	1		1206 1369					4	
	5	UV.094, 091.2, 091.1, FC-091.2	20.0 A	1			1206 1369	3	20.0 A	AHU-A2-LT	6	
	7	FC.093,098, BC-095.1	20.0 A	1	1612 1369						8	
	9	UV.201, 203.1,203.2,205.1	20.0 A	1		1608 1657					10	
	11	UV. 205.2,207, FC-209	20.0 A	1			1440 1657	3	20.0 A	EF:A2-2.01, A2-2.02, A2-2.04	12	
	13	UV.211, 213	20.0 A	1	1206 1657						14	
	15	UV. 212, 215	20.0 A	1		1608 1379		1	20.0 A	CUH-A2-S2,A2-1, FC-098.1, UV-094, 092	16	
	17	UV.206, 208	20.0 A	1			1608 467	1	20.0 A	CUH: 201.2,215.1, A2-2	18	
	19	UV.204.1,204.2, 202.1, 202.2	20.0 A	1	1608 1056			1	20.0 A	UH: A2-2.1, A2-2.2	20	
	21	EF:A2-ST-1,A2-209.1,A2-2.03	20.0 A	1		1224 0		1	20.0 A	SPARE	22	
	23	PTAC--090	25.0 A	2			1800 0	1	20.0 A	SPARE	24	
	25				1800 0			1	20.0 A	SPARE	26	
	27	SPARE	20.0 A	1		0 --		1	--	SPACE	28	
	29	SPARE	20.0 A	1			0 --	1	--	SPACE	30	
	31	SPARE	20.0 A	1	0 --			1	--	SPACE	32	
	33	SPARE	20.0 A	1		0 --		1	--	SPACE	34	
	35	SPARE	20.0 A	1			0 --	1	--	SPACE	36	
	37	SPARE	20.0 A	1	0 --			1	--	SPACE	38	
	39	SPARE	20.0 A	1		0 --		1	--	SPACE	40	
	41	SPARE	20.0 A	1			0 --	1	--	SPACE	42	
					Total Load: 11984 VA		10051 VA			9547 VA		
					Total Amps: 100.5 A		84.4 A			79.6 A		

Circuit Breaker Legend(CBL):

LO - BREAKER LOCK IN ON POSITION GF - GFCI PROTECTED CIRCUIT BREAKER

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	28909 VA	100.00%	28909 VA		
MTR	70 VA	125.00%	88 VA	**Total Conn. Load:**	31583 VA
HEAT	2604 VA	100.00%	2604 VA	**Total Est. Demand:**	31600 VA
				Total Conn.:	87.7 A
				Total Est. Demand:	87.7 A

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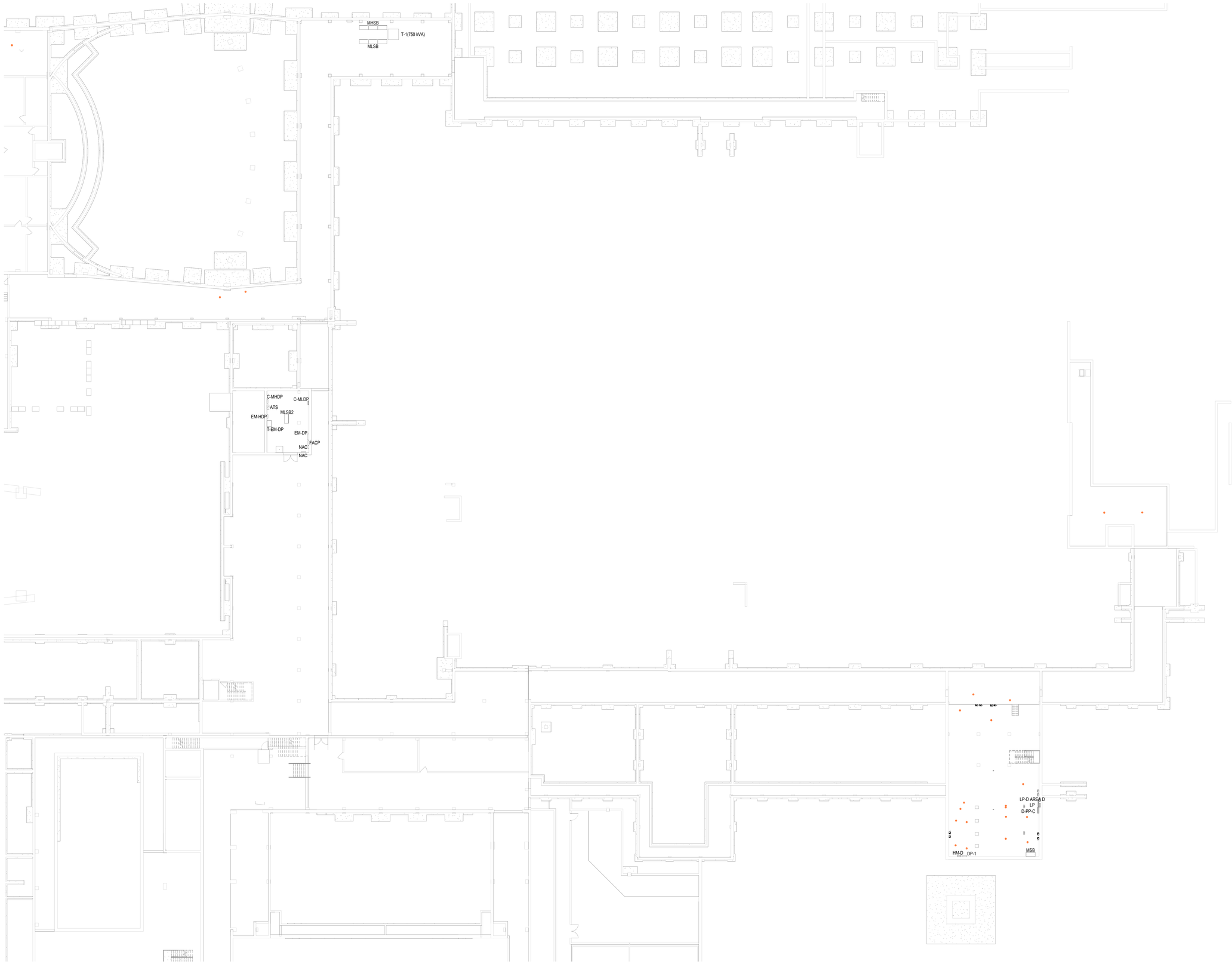
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DRAWING TITLE:
PANEL SCHEDULES

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E4.3B

10/1/2026 10:40:42 AM



NORTH

1 OVERALL TUNNEL PLAN - POWER DISTRIBUTION
1/16" = 1'-0"

10/1/2026 10:40:23 AM

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OVERALL TUNNEL PLAN - POWER DISTRIBUTION

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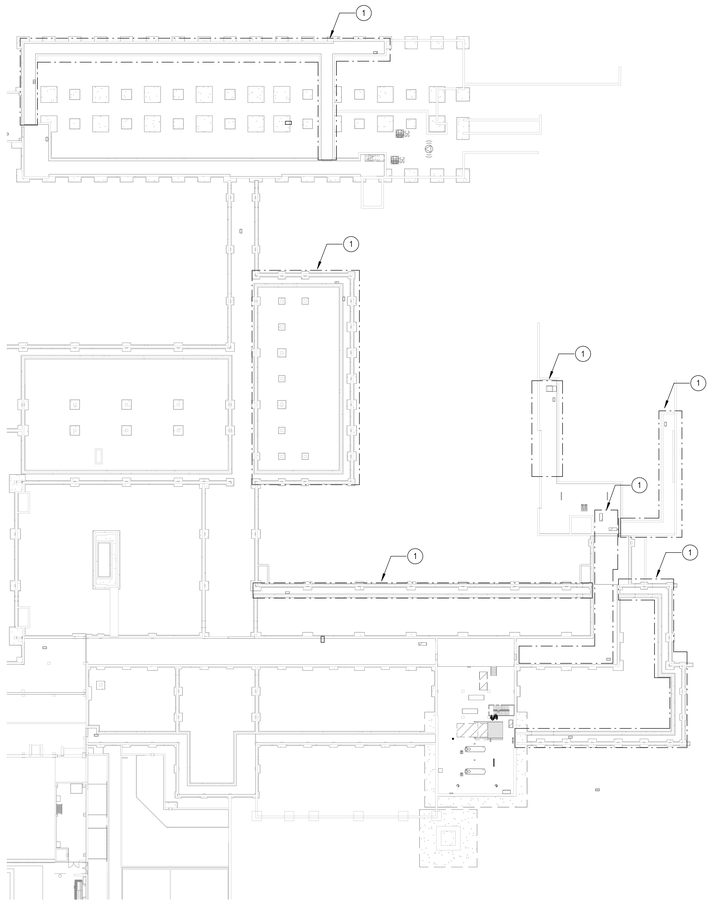
E5.0

ELECTRICAL DEMO KEYNOTES

1. DEMO EXISTING LIGHT FIXTURE IN THE AREA IN PREPARATION FOR NEW LIGHT INSTALLATION.

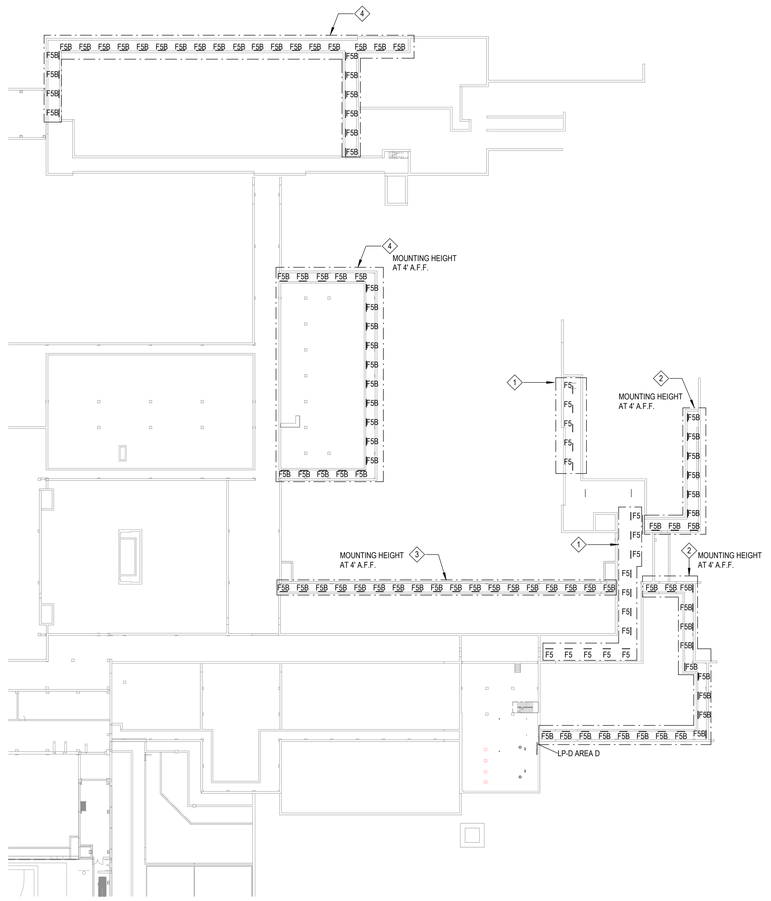
ELECTRICAL LIGHTING KEYNOTES

1. F5 FIXTURES SHALL BE CONNECTED TO THE EXISTING TUNNEL LIGHTING BRANCH CIRCUIT (PANEL LP-D AREA D, CIRCUIT 14) IN THE AREA FOR POWER. PROVIDE ALL REQUIRED MOUNTING HARDWARE AND SUPPORTS TO ACCOMMODATE EXISTING MECHANICAL PIPING AND FIELD CONDITIONS. VERIFY ROUTING AND INSTALLATION CONSTRAINTS IN THE FIELD PRIOR TO ORDERING.
2. **F5B** FIXTURES SHALL BE CONNECTED TO THE EXISTING TUNNEL LIGHTING BRANCH CIRCUIT (PANEL LP-D AREA D, CIRCUIT 12) IN THE AREA FOR POWER. PROVIDE ALL REQUIRED MOUNTING HARDWARE AND SUPPORTS TO ACCOMMODATE EXISTING MECHANICAL PIPING AND FIELD CONDITIONS. VERIFY ROUTING AND INSTALLATION CONSTRAINTS IN THE FIELD PRIOR TO ORDERING.
3. **F5B** FIXTURES SHALL BE CONNECTED TO THE EXISTING TUNNEL LIGHTING BRANCH CIRCUIT (PANEL LP-F, CIRCUIT 31; REFER TO D-E2.1 FOR PANEL LOCATION) IN THE AREA FOR POWER. PROVIDE ALL REQUIRED MOUNTING HARDWARE AND SUPPORTS TO ACCOMMODATE EXISTING MECHANICAL PIPING AND FIELD CONDITIONS. VERIFY ROUTING AND INSTALLATION CONSTRAINTS IN THE FIELD PRIOR TO ORDERING.
4. **F5B** FIXTURES SHALL BE CONNECTED TO THE EXISTING TUNNEL LIGHTING BRANCH CIRCUIT IN THE AREA FOR POWER. PROVIDE ALL REQUIRED MOUNTING HARDWARE AND SUPPORTS TO ACCOMMODATE EXISTING MECHANICAL PIPING AND FIELD CONDITIONS. VERIFY ROUTING AND INSTALLATION CONSTRAINTS IN THE FIELD PRIOR TO ORDERING.



NORTH

2 ELECTRICAL DEMOLITION PLAN - TUNNEL
1/32" = 1'-0"



NORTH

1 ELECTRICAL LIGHTING PLAN - TUNNEL
1/32" = 1'-0"

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OVERALL TUNNEL PLAN - LIGHTING PLAN

E5.1

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ELECTRICAL DEMOLITION KEYNOTES

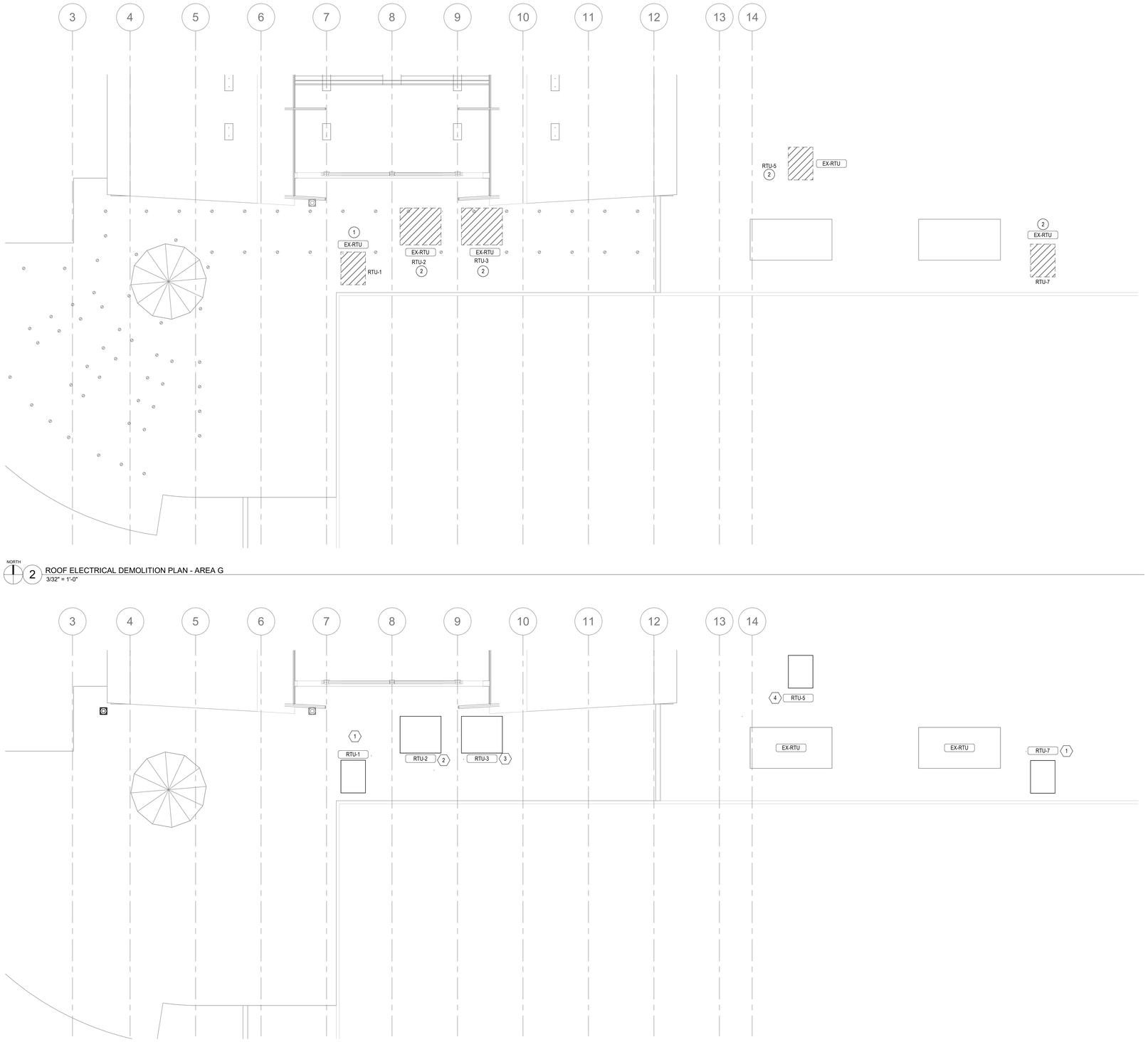
ALTERNATE 2:

1. DISCONNECT AND REMOVE RTU. EC TO VERIFY EXISTING RTU CIRCUIT TO BE REUSED FOR NEW WORK.
2. DISCONNECT EXISTING RTU EQUIPMENT AND DEMO EQUIPMENT MOUNTED LOOSE DISCONNECT AND SECURE WIRING TO ACCESSIBLE POINT.

ELECTRICAL POWER KEYNOTES

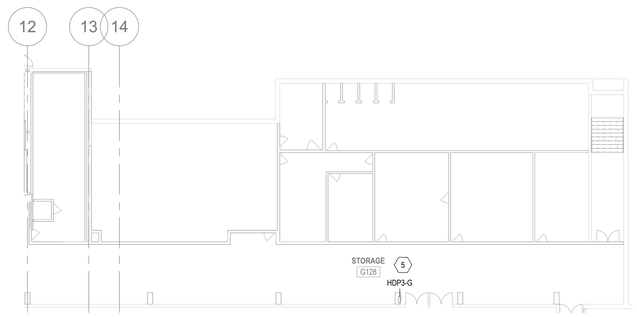
ALTERNATE 2:

1. PROVIDE COMPLIANT CONNECTION TO REPLACEMENT RTU; EXTEND EXISTING WIRING TO REPLACEMENT UNIT AND NEW EQUIPMENT WILL HAVE INTEGRAL DISCONNECTS.
2. PROVIDE COMPLIANT CONNECTION TO REPLACEMENT RTU; REPLACE EXISTING 70A 3PH BREAKER LABELED RT-2 IN PANEL HDP3-G WITH NEW 480V 50A 3PH BREAKER TO ACCOMMODATE NEW RTU REPLACEMENT; USE MIN. 3#8, 1#10G & 3/4"C
3. PROVIDE COMPLIANT CONNECTION TO REPLACEMENT RTU; REPLACE EXISTING 70A 3PH BREAKER LABELED RT-3 IN PANEL HDP3-G WITH NEW 480V 80A 3PH BREAKER TO ACCOMMODATE NEW RTU REPLACEMENT; USE MIN. 3#4, 1#8G & 3/4"C
4. PROVIDE COMPLIANT CONNECTION TO REPLACEMENT RTU; REPLACE EXISTING 20A 3PH BREAKER LABELED RT-5 IN PANEL HDP3-G WITH NEW 480V 25A 3PH BREAKER TO ACCOMMODATE NEW RTU REPLACEMENT; USE MIN. 3#12, 1#12G & 3/4"C
5. LOCATION OF EXISTING PANEL HDP3-G IN FIRST FLOOR.



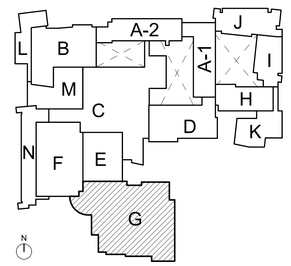
NORTH 2 ROOF ELECTRICAL DEMOLITION PLAN - AREA G
3/32" = 1'-0"

NORTH 1 ROOF ELECTRICAL POWER PLAN - AREA G
3/32" = 1'-0"



NORTH 3 FIRST FLOOR POWER PLAN - AREA G
1/16" = 1'-0"

KEY PLAN



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ROOF ELECTRICAL POWER PLAN

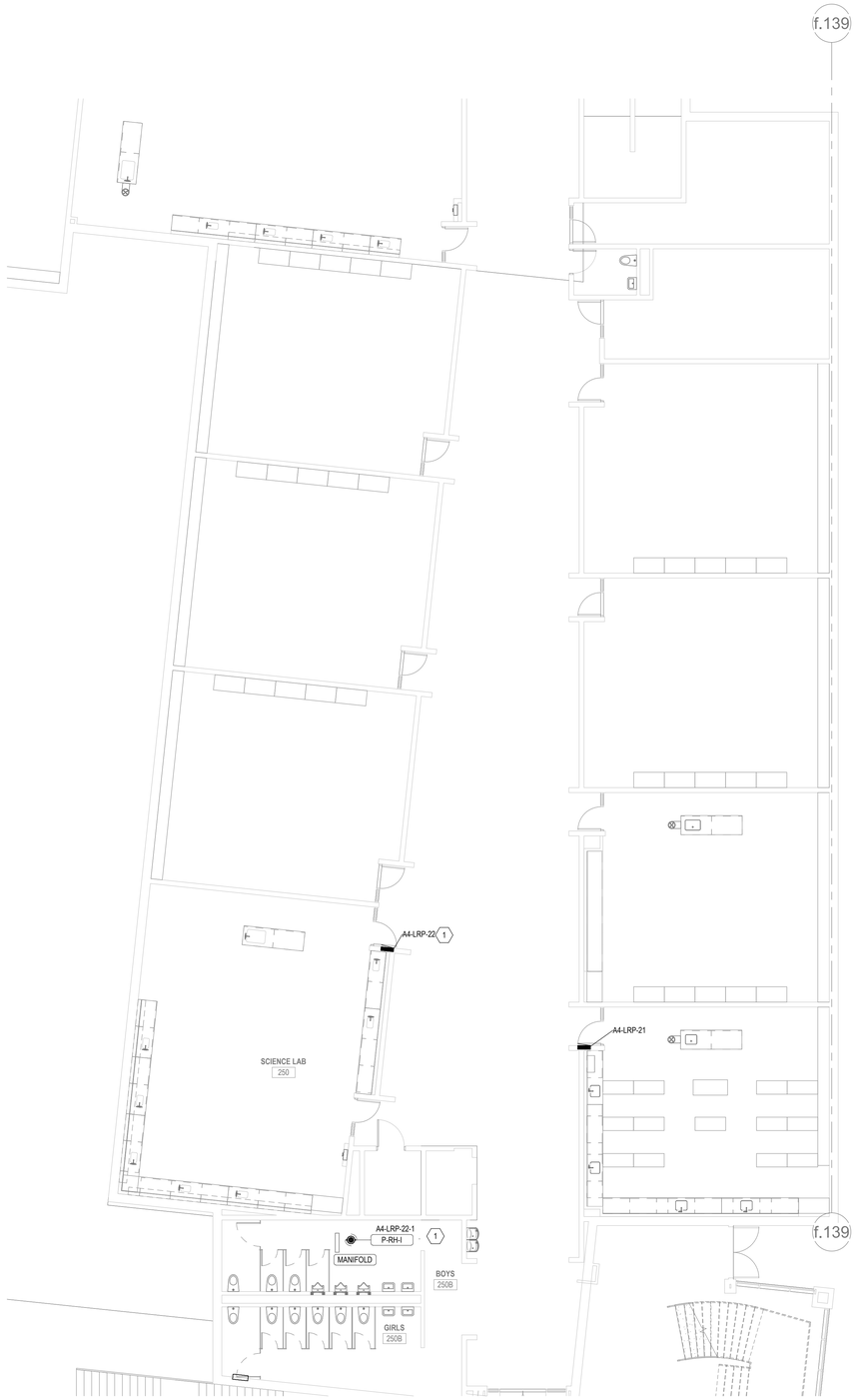
G-E2.1

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10/1/2026 10:40:30 AM

ELECTRICAL POWER KEYNOTES

1. VERIFY EXISTING AVAILABLE 20A SPARE BREAKER IN PANEL A4-LRP-22 FOR POWER TO NEW UNIT. IF NO SUITABLE SPARE BREAKER IS AVAILABLE, UTILIZE AVAILABLE SPACE AND PROVIDE COMPATIBLE 20A BREAKER TO SERVE UNITS. CIRCUIT NUMBER SHOWN IS FOR REFERENCE ONLY. VERIFY EXISTING CIRCUIT ASSIGNMENTS IN THE FIELD TO ACCOMMODATE NEW WORK AND ENSURE TOTAL LOAD DOES NOT EXCEED LIMIT.

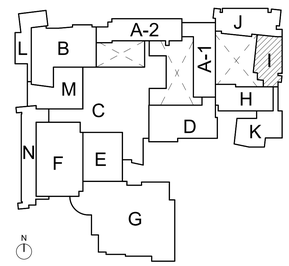


NORTH

1 PARTIAL SECOND FLOOR ELECTRICAL PLAN - AREA I

1/8" = 1'-0"

KEY PLAN



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#	Description	Date

DRAWING TITLE:
SECOND FLOOR ELECTRICAL POWER PLAN

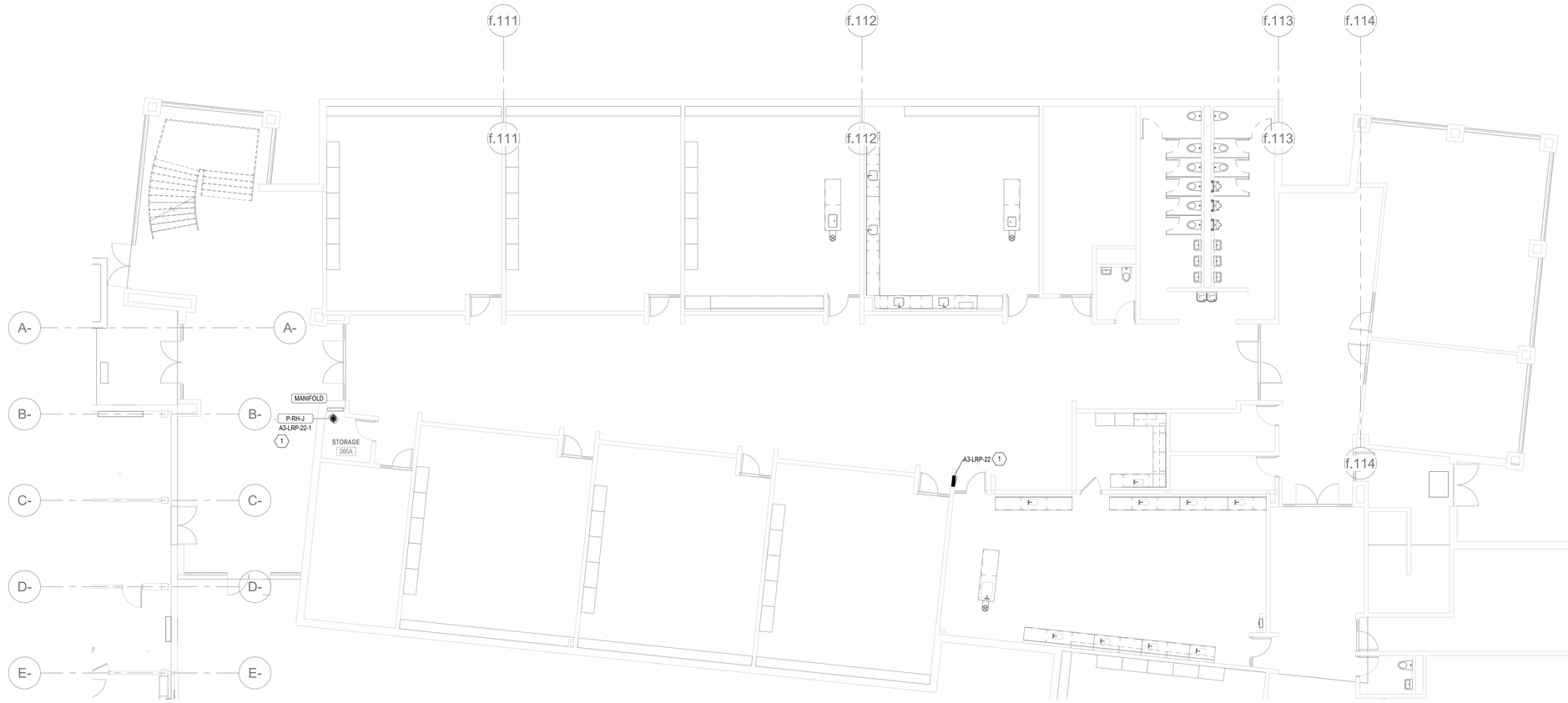
I-E2.2

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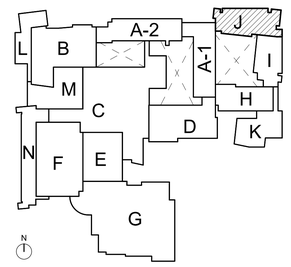
ELECTRICAL POWER KEYNOTES

1. VERIFY EXISTING AVAILABLE 20A SPARE BREAKER IN PANEL A3-LRP-22 FOR POWER TO NEW UNIT. IF NO SUITABLE SPARE BREAKER IS AVAILABLE, UTILIZE AVAILABLE SPACE AND PROVIDE COMPATIBLE 20A BREAKER TO SERVE UNITS. CIRCUIT NUMBER SHOWN IS FOR REFERENCE ONLY. VERIFY EXISTING CIRCUIT ASSIGNMENTS IN THE FIELD TO ACCOMMODATE NEW WORK AND ENSURE TOTAL LOAD DOES NOT EXCEED LIMIT.



NORTH
1 PARTIAL SECOND FLOOR ELECTRICAL PLAN - AREA J
1/8" = 1'-0"

KEY PLAN



CORDOGAN CLARK
ARCHITECTURE + ENGINEERING + CONSTRUCTION

ARCHITECT:

CONSULTANTS:

EAST AURORA SCHOOL DISTRICT #131
EAHS MECHANICAL IMPROVEMENTS
PHASE III
500 TOMCAT LN.
AURORA, IL 60506

NOT FOR CONSTRUCTION

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CC JOB NUMBER 261012

DATE 10.01.2026

REVISIONS:

#	Description	Date

DRAWING TITLE:
SECOND FLOOR ELECTRICAL POWER PLAN

J-E2.2

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