MOLINE - COAL VALLEY SCHOOL DISTRICT

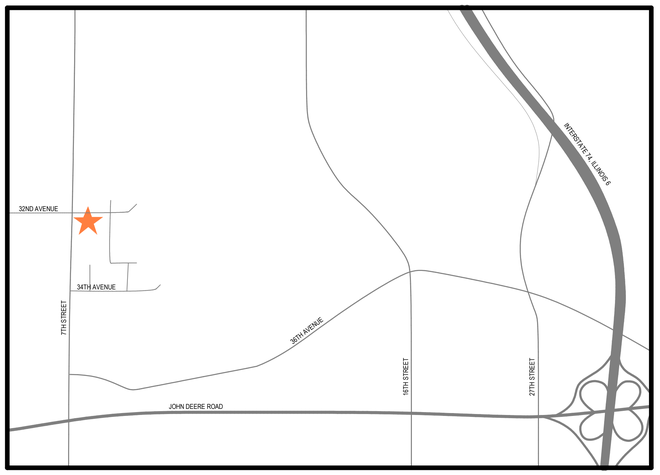
HAMILTON ELEMENTARY SCHOOL 2025 DUCT REPLACEMENT

700 32nd Ave

Moline, IL 61265

SCHEDULE OF DRAWINGS

SITE LOCATION MAP



BOARD OF EDUCATION

ANDREW WAEYAERT, President
ERIN WALDRON-SMITH, Vice President
AUDREY ADAMSON, Board Member
CHESTON DeSMET, Board Member
RAMONA DIXON, Board Member
JASON FARRELL, Board Member
LINDSEY HINES, Board Member

DR. RACHEL SAVAGE, Superintendent

RELEASE

BIDDING

DATE OF ISSUE

3.5.2025

ARCHITECT'S PROJECT NUMBER

225061.00

LEGAT ARCHITECTS

rtm engineering consultants

LEGAT ARCHITECTS
Design with a Difference

MOLINE - COAL VALLEY SCHOOL DISTRICT

HAMILTON ELEMENTARY SCHOOL 2025 DUCT REPLACEMENT

700 32nd Ave
Moline, IL 61265

ARCHITECT

Legat Architects, Inc.
1515 5th Ave Ste 108
Moline, IL 61265
P: 309.517.5536
www.legat.com

MEP/FP ENGINEER

RTM Engineering
5137 Utica Ridge Rd
Davenport, IA 52807
P: 563.726.6310
www.rtmec.com.com

SIGNATURE

DATE

REVISIONS

NO.	DESCRIPTION	DATE

PROJECT NUMBER	225061.00
DATE OF ISSUE	3.5.2025
DRAWN BY	SM
REVIEWED BY	JS

TITLE SHEET

G-001

BIDDING

DEMOLITION PLAN GENERAL NOTES

1. REFERENCED DEMOLITION NOTES REFER TO THE MINIMUM AMOUNT OF DEMOLITION REQUIRED TO ACCOMMODATE THE NEW CONSTRUCTION. TRADE CONTRACTORS SHALL VISIT PROJECT SITE TO BECOME FAMILIAR WITH COMPLETE SCOPE OF REMOVALS/DEMOLITIONS AND FIELD VERIFY THE EXTENT OF DEMOLITION.
2. EXISTING DIMENSIONS AND HATCHED AREAS ARE FOR GENERAL REFERENCE AND BIDDING PURPOSES ONLY. CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN FIELD. THE ACTUAL AREA OF DEMOLITION SHOULD BE KEPT TO THE MINIMUM REQUIRED TO PROPERLY EXECUTE THE CONTRACT REQUIREMENTS.
3. IN THE EVENT THAT AN EXISTING ITEM NOT SHOWN ON THE DRAWINGS CONFLICTS WITH WORK UNDER THIS CONTRACT, CONTACT THE ARCHITECT PRIOR TO REMOVAL OF THAT ITEM.
4. ALL UTILITIES SHALL REMAIN IN SERVICE FOR OTHER OCCUPANCIES. ANY SHUTDOWNS OF BUILDING MUST BE APPROVED BY OWNER AND OCCUR AT OFF HOURS AS DEFINED BY OWNER.
5. THE OWNER HAS FIRST RIGHT OF REFUSAL FOR ALL MATERIAL OR EQUIPMENT IDENTIFIED TO BE REMOVED. ALL ITEMS NOT TURNED OVER TO THE OWNER SHALL BE DISPOSED OF PROPERLY AND LAWFULLY.
6. REFER TO DRAWINGS FOR LOCATIONS OF ALL ITEMS TO BE REINSTALLED. ALL ITEMS NOT SPECIFICALLY INDICATED FOR REINSTALLATION ON DRAWINGS ARE TO BE TURNED OVER TO THE OWNER. ALL ITEMS NOT TURNED OVER TO THE OWNER SHALL BE DISPOSED OF PROPERLY AND LAWFULLY.
7. ALL REMOVED ITEMS IDENTIFIED FOR REINSTALLATION OR TO BE TURNED OVER TO THE OWNER SHALL BE PROTECTED UNTIL TIME OF REINSTALLATION OR OWNER POSSESSION. DAMAGED ITEMS SHALL BE REPAIRED OR REPLACED BY THE RESPONSIBLE TRADE CONTRACTOR.
8. THROUGHOUT DEMOLITION AND CONSTRUCTION, PROTECT ITEMS SCHEDULED TO REMAIN AND/OR ALL ADJACENT MATERIALS AND EQUIPMENT, ETC. INDICATED TO REMAIN. COORDINATE REMOVAL AND PROTECTIONS WITH OWNER.
9. DO NOT COMMENCE DEMOLITION UNTIL OWNER HAS REMOVED ALL ARTWORK AND DISPLAYS FROM AREAS OF DEMOLITION.
10. COORDINATE WITH OWNER ACCESS AND LOCATIONS OF TEMPORARY PARTITION. TEMPORARY PARTITION MUST BE DUSTPROOF, AND ACT AS SMOKE AND FIRE BARRIER.
11. AT REMOVAL OF SELECTED DEMOLITION ITEMS WHERE NO NEW CONSTRUCTION IS IDENTIFIED, PATCH, CLEAN, PREPARE, AND PAINT SURFACES TO MATCH FINISH COLOR, TEXTURE AND SHEEN OF ADJACENT SURFACES.
12. AT ITEMS TO BE REMOVED, ALSO REMOVE ALL ASSOCIATED BRACKETS, SUPPORTS, FASTENERS, ANCHORS, ETC. PATCH, CLEAN, PREPARE, AND PAINT SURFACES TO MATCH FINISH COLOR, TEXTURE AND SHEEN OF ADJACENT SURFACES.
13. PATCH ALL CEILINGS, WALLS AND FLOORS WHERE MECHANICAL, ELECTRICAL, TECHNOLOGY, PLUMBING AND FIRE PROTECTION COMPONENTS ARE TO BE REMOVED IN AN EXISTING CEILINGS, WALLS OR FLOORS TO REMAIN.
14. ALL WALL DEMOLITION SHALL HAVE CLEAN, VERTICAL, SMOOTH CUTS. PATCH, REPLACE AND/OR FILL VOIDS IN WALLS TO REMAIN TO PROVIDE A SMOOTH SURFACE/EDGE FOR THE APPLICATION OF NEW FINISH MATERIAL.
15. WHEN REMOVING EXISTING WALL TILE, FLOOR TILE, RUBBER BASE OR CEILING TILE, REMOVE FINISHES TO THE NEAREST JOINT WHICH ABUTS TILE NOT AFFECTED BY THE CONSTRUCTION. PROTECT THE SURFACES AND EDGES OF EXISTING FINISHES TO REMAIN.
16. AT AREAS WHERE DEMOLITION OF THE FLOORING EXPOSES THE CONCRETE SUBSTRATE: COMPLETELY REMOVE THE MASTIC, SHOT BLAST THE EXISTING CONCRETE TO REMAIN, AND FILL ALL CRACKS AND SPALLED AREAS IN PREPARATION FOR NEW FLOORING MATERIAL. REMOVAL OF FLOORING MATERIAL INCLUDES REMOVAL OF ADJACENT WALL BASE MATERIAL.
17. AT IDENTIFIED AREAS OF SPALLED, UNEVEN AND/OR SEPARATED CONCRETE SLABS; REMOVE ALL LOOSE MATERIAL; GRIND CONCRETE TO ACHIEVE A LEVEL SURFACE AND FILL CRACKS AND SPALLED AREAS IN PREPARATION FOR INSTALLATION OF FINISHED FLOORING.
18. CONTRACTOR SHALL REMOVE EXISTING PLUMBING, MECHANICAL, ELECTRICAL OR OTHER MISCELLANEOUS ITEMS REQUIRED TO COMPLETE NEW WORK BUT NOT REQUIRED TO REMAIN.
19. WHEN REMOVING INTERIOR OR EXTERIOR WALL ASSEMBLIES, CONTRACTOR SHALL ALSO REMOVE ALL ASSOCIATED POWER AND DATA RECEPTACLES, SWITCHES, ETC. REROUTE CONCEALED MEPFP WHERE REQUIRED TO MAINTAIN FUNCTIONING SYSTEMS; REMOVE ABANDONED MEPFP SYSTEMS TO SOURCE AND CAP APPROPRIATELY. REFER TO MECHANICAL, ELECTRICAL, TECHNOLOGY, LOW VOLTAGE, PLUMBING AND FIRE PROTECTION DRAWINGS FOR ADDITIONAL INFORMATION.
20. CONTRACTOR SHALL REMOVE ALL DEBRIS AND TRASH RESULTING FROM CONSTRUCTION ON A DAILY BASIS.
21. GENERAL CONTRACTOR SHALL RECYCLE DEMOLITION CONSTRUCTION DEBRIS IN ACCORDANCE WITH AUTHORITIES HAVING JURISDICTION AND SUSTAINABLE BEST PRACTICES.
22. IN THE EVENT HAZARDOUS MATERIALS ARE UNCOVERED GENERAL CONTRACTOR IS TO NOTIFY THE OWNER AND THE APPROPRIATE AUTHORITIES. THE ARCHITECT IS NOT RESPONSIBLE FOR REMOVAL / ABATEMENT OF HAZARDOUS MATERIALS. CONTRACTOR TO PROVIDE REMOVAL / ABATEMENT AT LOCATIONS NECESSARY.
23. REFER TO THE CIVIL, LANDSCAPE, STRUCTURAL, MECHANICAL, PLUMBING, FIRE PROTECTION, ELECTRICAL, AND TECHNOLOGY DRAWINGS FOR THE DEMOLITION WORK SPECIFIC TO THOSE DISCIPLINES.
24. STRUCTURAL ITEMS SHOWN AS 'TO BE REMOVED' ARE FOR REFERENCE ONLY. VERIFY APPROPRIATE SHORING OR REINFORCEMENT CONDITION WITH STRUCTURAL DRAWINGS.

GENERAL NOTES

1. ALL WORK SHALL BE COMPLIANT WITH THE CODES, ORDINANCES, AND REGULATIONS OF THE AUTHORITIES HAVING JURISDICTION OVER THE PROJECT LOCATION.
2. THE TRADE CONTRACTORS' PERSONNEL SHALL NOT BE ALLOWED ON THE PROJECT SITE WITHOUT COMPLYING WITH THE OWNER'S SECURITY PROTOCOLS.
3. WHERE CONFLICTS EXIST WITHIN OR BETWEEN PARTS OF THE CONTRACT DOCUMENTS, OR BETWEEN THE CONTRACT DOCUMENTS AND APPLICABLE STANDARDS, CODES, ORDINANCES, AND REGULATIONS THE MORE STRINGENT OR HIGH QUALITY OR GREATER QUALITY REQUIREMENT(S) SHALL APPLY. LARGE-SCALE DRAWINGS TAKE PRECEDENCE OVER SMALL-SCALE DRAWINGS; FIGURED DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS; AND NOTED MATERIALS TAKE PRECEDENCE OVER GRAPHIC REPRESENTATIONS.
4. THE CONTRACT DOCUMENTS IDENTIFY THE MINIMUM AMOUNT OF WORK REQUIRED. TRADE CONTRACTORS SHALL PROVIDE THE EXTENT OF WORK NECESSARY FOR A COMPLETE INSTALLATION.
5. REFER TO THE PROJECT MANUAL FOR PRODUCTS, MATERIALS, AND PROCEDURES NOT IDENTIFIED ON THE CONTRACT DRAWINGS.
6. THE ACTUAL AREA(S) OF WORK SHALL BE KEPT TO THE MINIMUM REQUIRED TO PROPERLY EXECUTE THE CONTRACT REQUIREMENTS. EXISTING DIMENSIONS AND HATCHED AREAS INDICATED ON CONTRACT DOCUMENTS ARE FOR GENERAL REFERENCE AND BIDDING PURPOSES ONLY.
7. PRIOR TO BIDDING, THE TRADE CONTRACTORS SHALL FIELD VERIFY THE EXTENT OF WORK REQUIRED TO PROPERLY EXECUTE THE CONTRACT REQUIREMENTS. ADDITIONAL WORK THAT IS REQUIRED, WAS VISIBLE, AND COULD HAVE BEEN IDENTIFIED DURING BIDDING SHALL BE COMPLETED BY THE RESPONSIBLE TRADE CONTRACTOR(S) AT NO ADDITIONAL COST TO THE OWNER.
8. THE TRADE CONTRACTORS SHALL BE FAMILIAR WITH THE EXISTING CONDITIONS AND NOTIFY THE ARCHITECT OR CONSTRUCTION MANAGER OF ANY CONFLICTS WITH THE CONSTRUCTION DOCUMENTS PRIOR TO PREPARING SUBMITTALS OR BEGINNING ANY WORK.
9. THE TRADE CONTRACTORS SHALL PROVIDE ALL TEMPORARY CONSTRUCTION AND/OR SHORING REQUIRED TO PROPERLY EXECUTE THE REQUIREMENTS OF THEIR CONTRACT.
10. ALL EXTERIOR OPENINGS SHALL BE SECURED AT ALL TIMES WHEN WORK IS NOT BEING PERFORMED. THE TRADE CONTRACTORS SHALL NOT REMOVE EXISTING DOORS, FRAMES, WINDOWS, ETC. UNTIL REPLACEMENTS ARE ONSITE AND READY FOR INSTALLATION. IF INSTALLATION OF DOORS, FRAMES, WINDOWS, ETC. CANNOT BE COMPLETED BY THE END OF THE WORK DAY, THE RESPONSIBLE TRADE CONTRACTORS SHALL PROVIDE TEMPORARY WEATHERPROOF CONSTRUCTION AS REQUIRED TO SECURE THE BUILDING TO THE SATISFACTION OF THE OWNER AND RESTORE AFFECTED SURFACES TO THEIR ORIGINAL CONDITION.
11. PATCHING, REPAIRING, AND REFINISHING WORK SHALL BE PERFORMED BY THOSE REGULARLY INVOLVED IN THAT TRADE AND SHALL MATCH THE EXISTING ADJACENT CONSTRUCTION AS CLOSELY AS POSSIBLE IN MATERIAL, FINISH, COLOR, TEXTURE AND SHEEN. REFER TO THE CONTRACT DRAWINGS FOR EXISTING BUILDING CONSTRUCTION TO REMAIN.
12. TRADE CONTRACTORS SHALL PROTECT THEIR WORK AND EXISTING CONSTRUCTION, FINISHES, AND EQUIPMENT TO REMAIN TO PREVENT DAMAGE. ANY WORK AND/OR EXISTING FINISHES TO REMAIN DAMAGED DURING THE REMOVAL OF EXISTING WORK OR THE INSTALLATION OF NEW WORK SHALL BE REPAIRED, REPLACED, AND REFINISHED BY THE RESPONSIBLE TRADE CONTRACTOR TO MATCH THE ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER AND TO THE SATISFACTION OF THE OWNER AND ARCHITECT.
13. THE ARCHITECT SHALL REVIEW AND APPROVE LOCATIONS FOR ALL JUNCTION BOXES AND RACEWAYS PRIOR TO INSTALLATION OF WIRING / CABLING.
14. EXISTING SITE FEATURES, MATERIALS, AMENITIES, LANDSCAPING, ETC. DAMAGED BY CONSTRUCTION OPERATIONS SHALL BE RESTORED, REPAIRED, OR REPLACED BY THE RESPONSIBLE TRADE CONTRACTOR(S) AT NO ADDITIONAL COST TO THE OWNER AND TO THE SATISFACTION OF THE OWNER AND ARCHITECT.
15. CONTRACTORS SHALL COORDINATE THE WORK WITH ALL PARTIES INVOLVED SO THAT THE CONSTRUCTION CAN PROCEED SMOOTHLY, WITHOUT TRADE INTERFERENCE OR WASTE OF TIME AND MATERIAL.
16. ***WARNING: ASBESTOS-CONTAINING BUILDING MATERIALS ARE OR MAY BE PRESENT IN THIS BUILDING. AN ASBESTOS MANAGEMENT PLAN IS AVAILABLE IN THE SCHOOL FOR REVIEW UPON REQUEST. NO PERSON MAY DISTURB ASBESTOS-CONTAINING MATERIALS UNLESS THAT PERSON IS A LICENSED ASBESTOS WORKER OR CONDUCTS SUCH WORK IN ACCORDANCE WITH SPECIFICATIONS(S) CONTAINED IN THE PROJECT DOCUMENTS AND IN COMPLIANCE WITH ILLINOIS DEPARTMENT OF HEALTH RULES AND REGULATIONS.***

GENERAL CONSTRUCTION / RENOVATION NOTES

1. AFTER REMOVAL OF ITEMS IDENTIFIED TO BE REMOVED, CLEAN AND REPAIR THE EXISTING SURFACES TO REMAIN TO MATCH THE CONSTRUCTION MATERIALS AND METHODS, FINISHES TEXTURE, PATTERN, COLOR AND SHEEN OF THE ADJACENT SURFACES TO REMAIN. PATCH, CLEAN, PREPARE, PAINT, ETC. EXISTING SURFACES AS REQUIRED.
2. WHERE EXISTING EQUIPMENT IS REMOVED AND NEW EQUIPMENT IS SMALLER AND INSTALLED IN THE SAME LOCATION, CLEAN AND REPAIR THE SIGHT-EXPOSED SURFACES TO REMAIN TO MATCH THE CONSTRUCTION MATERIALS AND METHODS, FINISHED TEXTURE, PATTERN, AND COLOR OF THE ADJACENT SURFACES TO REMAIN. PATCH, CLEAN, PREPARE, PAINT, ETC. EXISTING SURFACES AS REQUIRED.
3. EXISTING AND NEW FIRE RATED ASSEMBLIES ARE TO BE MAINTAINED AND BE IN CONFORMANCE WITH APPLICABLE CODES. PENETRATIONS SHALL BE CONSTRUCTED AND SEALED AS REQUIRED; NEW FIRE RATED ASSEMBLIES SHALL BE INSPECTED, CERTIFIED, AND APPROPRIATELY LABELED ABOVE CEILINGS.
4. ALL PENETRATIONS THROUGH ANY MATERIAL SHALL BE SEALED WITH A COMPATIBLE MATERIAL APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION.
5. MASONRY INFILL AND/OR PATCHING SHALL MATCH THE MATERIAL, SIZE, FINISH, COLOR, TEXTURE AND COURSING OF EXISTING MASONRY TO REMAIN. NEW MASONRY SHALL BE WHOLE UNITS TOOTHED IN TO THE EXISTING MASONRY. NO SAW CUT EDGES WILL BE ALLOWED. MORTAR JOINTS TO MATCH COLOR, TEXTURE AND PROFILE OF ADJACENT MASONRY.
6. STRUCTURAL LINTELS ARE REQUIRED AT ALL OPENINGS AND RECESSES IN LOAD BEARING AND NON-LOAD BEARING MASONRY WALLS. REFER TO STRUCTURAL DRAWINGS.
7. EXPOSED OUTSIDE CORNERS OF INTERIOR CONCRETE MASONRY UNITS SHALL BE ROUNDED, U.N.O.
8. PROVIDE A CONTINUOUS BEAD OF SEALANT BETWEEN DISSIMILAR MATERIALS, U.N.O.
9. PROVIDE GALVANIC PROTECTION SEPARATING DISSIMILAR METALS.
10. ALL EXPOSED PIPING AND CONDUIT SHALL BE KEPT AS CLOSE AS POSSIBLE TO WALLS STRUCTURE, AND FLOOR/ROOF DECK.
11. ALL WALLS ABOVE DOORS/FRAMES TO EXTEND TO UNDERSIDE OF DECK, U.N.O.
12. ALL EXTERIOR DIMENSIONS ARE TO THE OUTSIDE FACE OF FINISH MATERIAL, U.N.O.
13. SLOPE ALL CONCRETE AND/OR TOPPING TO FLOOR DRAINS; COORDINATE WITH PLUMBING DRAWINGS.
14. CENTER SPRINKLER HEADS AND LIGHT FIXTURES, SECURITY DEVICES, WAP'S, EXIT SIGNS, & SIMILAR DEVICES IN ACT TILES, U.N.O.
15. INSTALL WOOD BLOCKING AS NEEDED FOR ALL WALL MOUNTED ITEMS.

GENERAL FINISH NOTES

1. EXISTING SIGHT-EXPOSED SURFACES OF EXISTING PARTITIONS AND SOFFITS SHALL BE FINISH PAINTED.
2. ALL NEW CONSTRUCTION AND IDENTIFIED EXISTING CONSTRUCTION TO REMAIN SHALL BE PRIME AND FINISH PAINTED UNLESS MATERIALS ARE PRE-FINISHED. REFER TO THE FINISH PLANS AND THE PROJECT MANUAL FOR ADDITIONAL INFORMATION. NEW PARTITIONS AND SOFFITS ARE TO BE PRIME PAINTED FOR FULL HEIGHT OF PARTITION OR SOFFIT. SIGHT-EXPOSED SURFACES OF NEW PARTITIONS AND SOFFITS ARE TO BE FINISH PAINTED.
3. ALL WALLS IN EXISTING ROOMS IN WHICH WORK IS OCCURRING:
   A. REPAIR HOLES, DEFECTS, ETC. IN EXISTING PLASTER AND CONCRETE BLOCK WALLS;
   B. AT REPAIRS AND UNPAINTED CONCRETE BLOCK PROVIDE BLOCK FILL PAINT AND TWO FINISH COATS OF PAINT; AND
   C. PROVIDE ONE FINISH COAT OF PAINT OVER EXISTING PAINTED WALLS.
4. IN OCCUPIED SPACES IN AREAS OF RENOVATION, ALL SIGHT-EXPOSED MEPFP COMPONENTS INCLUDING, BUT NOT LIMITED TO, DUCTWORK, PIPING, FITTINGS, CONDUIT, BOXES, HANGERS, ETC SHALL BE PAINTED.
5. DO NOT PAINT MOVING PARTS OR LABELS.
6. DO NOT PAINT EXISTING FACE BRICK, GROUND FACE CMU OR SGFT, UNO.

GENERAL REFLECTIVE CEILING NOTES

1. ALL CEILING ELEVATIONS IDENTIFIED DENOTE HEIGHT ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE.
2. REFER TO MECHANICAL, PLUMBING, ELECTRICAL, FIRE PROTECTION, AND TECHNOLOGY DRAWINGS FOR CEILING MOUNTED EQUIPMENT AND COMPONENTS NOT IDENTIFIED ON ARCHITECTURAL DRAWINGS.
3. IN AREAS WITH NO FINISHED CEILING SYSTEM REFER TO ELECTRICAL DRAWINGS FOR LUMINARIES AND SPACING.
4. REFER TO FINISH PLANS FOR ADDITIONAL INFORMATION REGARDING:
   A. PAINTING OF CEILING COMPONENTS;
   B. SUSPENDED ACOUSTICAL TILE CEILING SYSTEM TYPES TO BE PROVIDED;
   C. CEILING HUNG WINDOW TREATMENTS
5. PRIOR TO BEGINNING ANY WORK, NOTIFY THE ARCHITECT IF EXISTING CONDITIONS PREVENT NEW CEILING SYSTEMS FROM BEING INSTALLED AS DRAWN AND NOTED.
6. PRIOR TO BEGINNING ANY WORK, NOTIFY THE ARCHITECT IF QUANTITY AND/OR SPACING OF LIGHT FIXTURES ON ELECTRICAL DRAWINGS DOES NOT MATCH QUANTITY AND/OR SPACING OF LIGHT FIXTURES ON ARCHITECTURAL DRAWINGS.
7. LIGHT FIXTURES IN CORRIDORS ARE TO BE CENTERED IN THE WIDTH OF THE CORRIDOR UNLESS NOTED OTHERWISE.
8. ALL CEILING TILES SHALL BE TYPE 1 UNLESS NOTED OTHERWISE:
   A. PROVIDE TYPE 2 CEILING TILES IN TOILET ROOMS.
9. PAINT ALL GYPSUM CEILINGS

NOTE	DESCRIPTION
D001	REMOVE EXISTING CEILING SYSTEM ENTIRELY AS REQUIRED FOR DUCT REPLACEMENT WORK. REMOVE LIGHT FIXTURES AND CEILING MOUNTED DEVICES, AND SALVAGE FOR REINSTALLATION. INSTALL NEW CEILING SYSTEM TO MATCH EXISTING SYSTEM THAT WAS REMOVED. REINSTALL EXISTING SALVAGED LIGHT FIXTURES AND CEILING MOUNTED DEVICES TO MATCH ORIGINAL LOCATIONS.
D002	ALTERNATE BID: REMOVE EXISTING CEILING SYSTEM ENTIRELY AS REQUIRED FOR DUCT REPLACEMENT WORK. REMOVE LIGHT FIXTURES AND CEILING MOUNTED DEVICES, AND SALVAGE FOR REINSTALLATION. INSTALL NEW CEILING SYSTEM TO MATCH EXISTING SYSTEM THAT WAS REMOVED. REINSTALL EXISTING SALVAGED LIGHT FIXTURES AND CEILING MOUNTED DEVICES TO MATCH ORIGINAL LOCATIONS.

CEILING PLAN LEGEND

- EXISTING 2X2 ACT CEILING SYSTEM TO REMAIN
- NEW 2X2 ACT CEILING SYSTEM
- EXISTING GYPSUM BOARD CEILING SYTEM OR EXPOSED CEILING SYSTEM TO REMAIN
- NEW GYPSUM BOARD CEILING SYSTEM

LEGAT ARCHITECTS
Design with a Difference

MOLINE - COAL VALLEY SCHOOL DISTRICT

HAMILTON ELEMENTARY SCHOOL 2025 DUCT REPLACEMENT

700 32nd Ave
Moline, IL 61265

ARCHITECT
Legat Architects
1515 5th Avenue
Moline, IL 61265
P. 309.517.5536
F. 309.517.5540
www.legat.com

M.E.P./F.P. ENGINEER
RTM Engineering
5137 Utica Ridge Rd.
Davenport, IA 52807
P 563.726.6310
www.rtmec.com

SIGNATURE _____

DATE _____

REVISIONS

NO.	DESCRIPTION	DATE

PROJECT NUMBER	225061.00
DATE OF ISSUE	3.5.2025
DRAWN BY	VP
CHECKED BY	BA

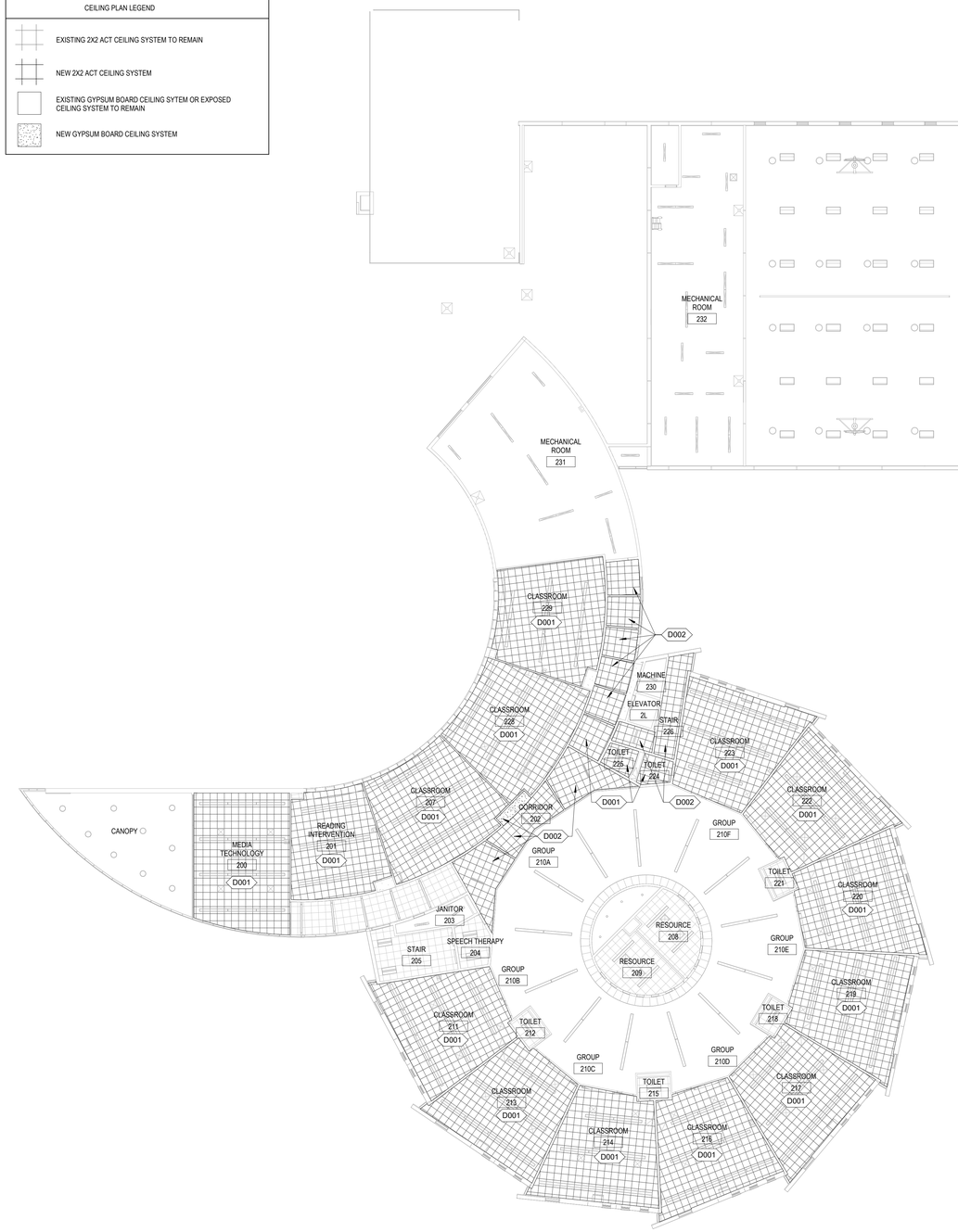
PROJECT GENERAL NOTES

G-002
BIDDING

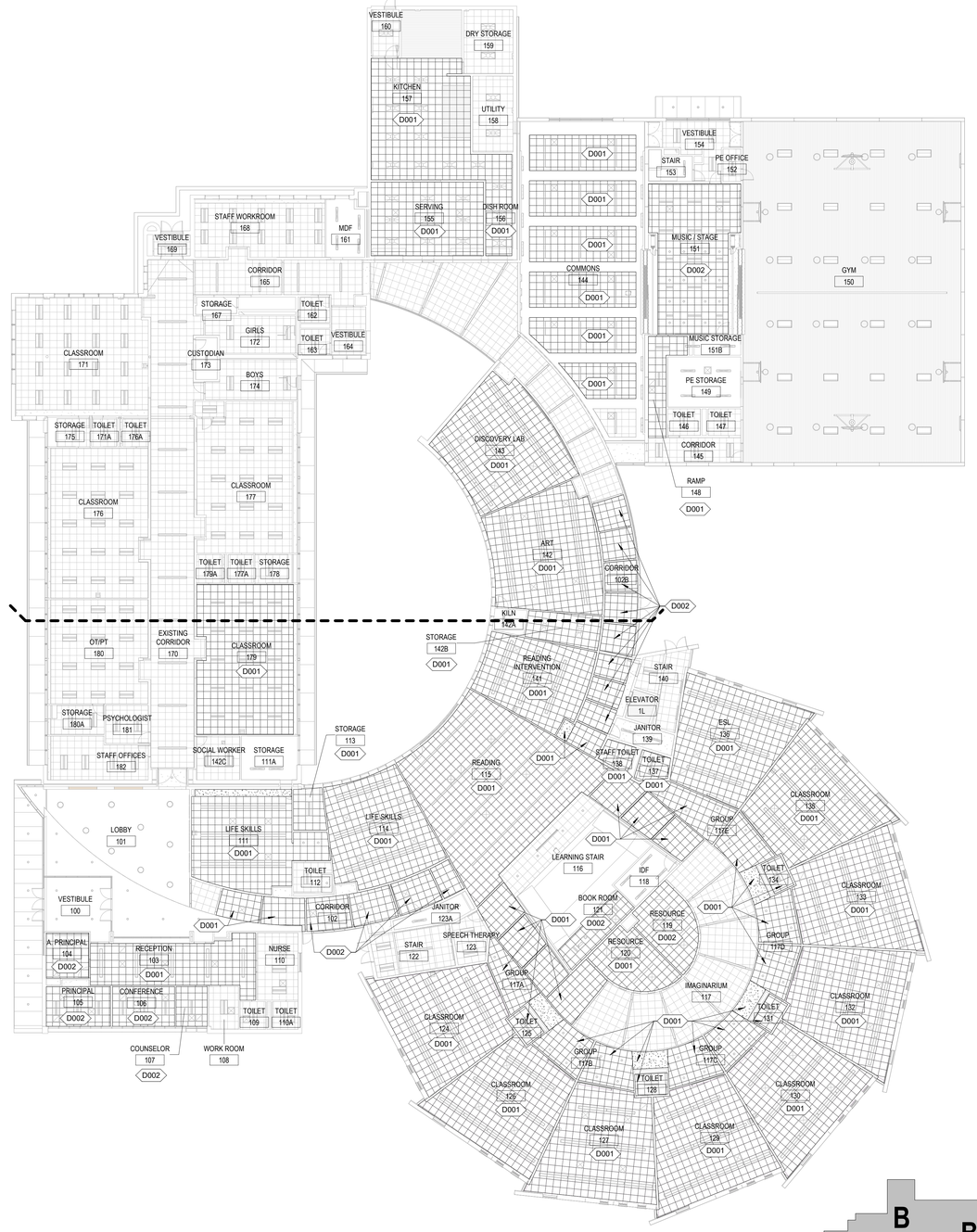
NOTE	DESCRIPTION
D001	REMOVE EXISTING CEILING SYSTEM ENTIRELY AS REQUIRED FOR DUCT REPLACEMENT WORK. REMOVE LIGHT FIXTURES AND CEILING MOUNTED DEVICES, AND SALVAGE FOR REINSTALLATION. INSTALL NEW CEILING SYSTEM TO MATCH EXISTING SYSTEM THAT WAS REMOVED. REINSTALL EXISTING SALVAGED LIGHT FIXTURES AND CEILING MOUNTED DEVICES TO MATCH ORIGINAL LOCATIONS.
D002	ALTERNATE BID: REMOVE EXISTING CEILING SYSTEM ENTIRELY AS REQUIRED FOR DUCT REPLACEMENT WORK. REMOVE LIGHT FIXTURES AND CEILING MOUNTED DEVICES, AND SALVAGE FOR REINSTALLATION. INSTALL NEW CEILING SYSTEM TO MATCH EXISTING SYSTEM THAT WAS REMOVED. REINSTALL EXISTING SALVAGED LIGHT FIXTURES AND CEILING MOUNTED DEVICES TO MATCH ORIGINAL LOCATIONS.

CEILING PLAN LEGEND

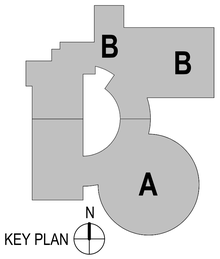
- EXISTING 2X2 ACT CEILING SYSTEM TO REMAIN
- NEW 2X2 ACT CEILING SYSTEM
- EXISTING GYPSUM BOARD CEILING SYTEM OR EXPOSED CEILING SYSTEM TO REMAIN
- NEW GYPSUM BOARD CEILING SYSTEM



2 SECOND FLOOR REFLECTED CEILING DEMOLTION PLAN
1/16" = 1'-0"



1 FIRST FLOOR REFLECTED CEILING DEMOLTION PLAN
1/16" = 1'-0"



LEGAT ARCHITECTS
Design with a Difference

MOLINE - COAL VALLEY SCHOOL DISTRICT

HAMILTON ELEMENTARY SCHOOL 2025 DUCT REPLACEMENT

700 32nd Ave
Moline, IL 61265

ARCHITECT
Legat Architects
1515 5th Avenue
Moline, IL 61265
P. 309.517.5536
F. 309.517.5540
www.legat.com

M.E.P./F.P. ENGINEER
RTM Engineering
5137 Utica Ridge Rd.
Davenport, IA 52807
P 563.726.6310
www.rtmec.com

SIGNATURE
DATE

REVISIONS

NO.	DESCRIPTION	DATE

PROJECT NUMBER	225061.00
DATE OF ISSUE	3.5.2025
DRAWN BY	VP
CHECKED BY	BA

FIRST AND SECOND FLOOR REFLECTED CEILING DEMOLITION PLANS

AC101
BIDDING

GENERAL NOTES:

1. CONTRACTOR SHALL PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR AS REQUIRED TO INSTALL A COMPLETE AND OPERABLE HVAC SYSTEM PER THE NEW ARCHITECTURAL LAYOUT AND AS TO COMPLY WITH THE SPECIFICATION, DETAILS,THIS SCOPE OF WORK AND ALL APPLICABLE CODES.
2. ALL WORK PERFORMED SHALL CONFORM TO ALL APPLICABLE STATE AND LOCAL CODES.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND COORDINATE ALL NEW WORK WITH ALL TRADES PRIOR TO ANY WORK BEING DONE TO INSURE CONFLICTS DO NOT OCCUR.
4. DISRUPTION OF ANY EXISTING SERVICE SHALL BE CLEARED WITH THE OWNER AND SHALL BE PERFORMED AT A TIME AND IN A MANNER SO AS TO CAUSE THE OWNER A MINIMUM OF INCONVENIENCE.
5. ALL DUCT SIZES INDICATED ON PLANS AND RISERS ARE CLEAR INSIDE DIMENSIONS. DUCT SIZES NOT SHOWN SHALL BE SIZED TO VELOCITIES NO GREATER THAN UPSTREAM SECTION USING SIMILAR ASPECT RATIOS.
6. ALL SUPPLY AIR TAKEOFFS FROM MAIN TRUNK DUCTS ARE TO BE INSTALLED WITH BELL MOUTH FITTINGS OR 45 DEGREE ENTRY TO PROVIDE THE SMOOTHEST AIR FLOW POSSIBLE.
7. PROVIDE TURNING VANES IN ALL LOW-PRESSURE 90-DEGREEDUCT TURNS.
8. ALL THERMOSTAT LOCATIONS SHALL BE APPROVED BY THE ARCHITECT.
9. ALL DUCTS LOCATED ABOVE INACCESSIBLE CEILINGS ARE TO BE BALANCED PRIOR TO CEILING INSTALLATIONS.
10. CONTRACTOR SHALL PROVIDE ACCESS DOORS FOR SERVICE AND MAINTENANCE OF ALL EQUIPMENT LOCATED ABOVE INACCESSIBLE CEILINGS.
11. PROVIDE GUIDES, HANGERS, EXPANSION LOOPS AND SUPPLEMENTARY STEEL SUPPORT WHERE REQUIRED FOR ALL PIPING.
12. ALL PLENUM MATERIALS SHALL HAVE A FLAME SPREAD INDEX NOT GREATER THAN 25 AND A SMOKE DEVELOPED INDEX NOT GREATER THAN 50 WHEN TESTED WITH ASTEM E84 OR UL 723. PVC VENT PIPING IN PLENUM SHALL BE FIRE WRAPPED OR MEET PREVIOUS STATEMENT.

DUCT INSULATION NOTES:

ALL EXPOSED DUCTWORK IN CONDITIONED SPACES OR SPIRAL DUCT	NONE
ALL EXTERIOR DUCTWORK	MIN. R-12
ALL CONCEALED SUPPLY AND RETURN DUCT	MIN. R-6
ALL EXHAUST UP TO 10'-0" FROM DISCHARGE	MIN. R-6
ALL HEATING AND COOLING HYDRONIC PIPING	MIN. 2"
CONDENSATE PIPING	MIN. 1"

NOTE:
ALL SUPPLY AND RETURN AIR DUCTS AND PLENUMS SHALL BE INSULATED WITH A MINIMUM OF R-6 INSULATION WHEN LOCATED IN UNCONDITIONED SPACES AND WITH A MINIMUM OF R-12 INSULATION WHEN LOCATED OUTSIDE THE BUILDING ENVELOPE. WHEN LOCATED WITHIN A BUILDING ENVELOPE ASSEMBLY, THE DUCT OR PLENUM SHALL BE SEPARATED FROM THE BUILDING EXTERIOR OR UNCONDITIONED OR EXEMPT SPACES BY A MINIMUM OF R-12 INSULATION. ALL JOINTS, LONGITUDINAL AND TRANSVERSE SEAMS, AND CONNECTIONS IN DUCTWORK SHALL BE SECURELY FASTENED AND SEALED WITH WELDS, GASKETS, MASTICS, MASTIC-PLUS-EMBEDDED-FABRIC SYSTEM OR TAPES. TAPES AND MASTICS SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL 181A OR UL 181B. DUCT CONNECTIONS TO FLANGES OF AIR DISTRIBUTION SYSTEM EQUIPMENT SHALL BE SEALED AND MECHANICALLY FASTENED. DUCT TAPE IS NOT PERMITTED AS A SEALANT ON ANY METAL DUCTS.

HYDRONIC FITTINGS:

- 45° ELBOW
- CAP
- 90° ELBOW
- ELBOW DOWN
- ELBOW UP
- TEE
- TEE DOWN
- TEE UP
- UNION
- FLEXIBLE CONNECTION
- PIPE CONTINUATION
- FLANGE

HYDRONIC SYSTEM ABBREVIATIONS:

	PIPE TO BE DEMOLISHED
D	DRAIN
NG	NATURAL GAS
LP	LIQUEFIED PETROLEUM
V	VENT
CHWS	CHILLED WATER SUPPLY
CHWR	CHILLED WATER RETURN
CWS	CONDENSER WATER SUPPLY
CWR	CONDENSER WATER RETURN
CD	CONDENSATE DRAIN
HWS	HEATING HOT WATER SUPPLY
HWR	HEATING HOT WATER RETURN
GS	GLYCOL SUPPLY
GR	GLYCOL RETURN
MU	MAKEUP WATER
HPWS	HEAT PUMP WATER SUPPLY
HPWR	HEAT PUMP WATER RETURN
GWS	GEOTHERMAL WATER SUPPLY
GWR	GEOTHERMAL WATER RETURN
RHG	REFRIGERANT HOT GAS
RL	REFRIGERANT LIQUID
RS	REFRIGERANT SUCTION
HPS	HIGH PRESSURE STEAM
MPS	MEDIUM PRESSURE STEAM
LPS	LOW PRESSURE STEAM
HPC	HIGH PRESSURE STEAM CONDENSATE
MPC	MEDIUM PRESSURE STEAM CONDENSATE
LPC	LOW PRESSURE STEAM CONDENSATE
CR	CONDENSATE RETURN
PC	PUMPED CONDENSATE
VPD	VACUUM PUMP DISCHARGE
BBD	BOILER BLOWDOWN
FWS	BOILER FEEDWATER SUPPLY
H	HUMIDIFICATION LINE
FOF	FUEL OIL FILL
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FOV	FUEL OIL VENT
A	COMPRESSED AIR
VAC	VACUUM AIR

HYDRONIC VALVES:

- TWO-POSITION 2-WAY VALVE
- MODULATING 2-WAY VALVE
- TWO-POSITION 3-WAY VALVE
- MODULATING 3-WAY VALVE
- BALANCING VALVE
- BALL VALVE
- BUTTERFLY VALVE
- CHECK VALVE
- DIFFERENTIAL PRESSURE VALVE
- FLOAT OPERATED VALVE
- GATE VALVE
- GLOBE VALVE
- PLUG VALVE
- PRESSURE INDEPENDENT VALVE
- PRESSURE REDUCING VALVE
- PRESSURE RELIEF VALVE
- TRIPLE DUTY VALVE
- BACKFLOW PREVENTER

HYDRONIC SPECIALTIES:

- FS — FLOW SWITCH
- AUTOMATIC AIR VENT
- MANUAL AIR VENT
- PRESSURE GAUGE
- PS — PRESSURE SWITCH
- PSD — PUMP SUCTION DIFFUSER
- THERMOMETER
- STRAINER, BLOW DOWN
- STRAINER, HOSE CONNECTION
- STRAINER
- ANCHOR
- PIPING GUIDE
- EXPANSION LOOP
- EXPANSION JOINT
- FM — FLOW METER

GENERAL:

- ## / ## — DRAWING KEYNOTE SYMBOL
- DETAIL NUMBER / SHEET NUMBER — BUILDING SECTION
- DETAIL NUMBER / SHEET NUMBER — BUILDING ELEVATION
- DETAIL NUMBER / SHEET NUMBER — CALLOUT BOUNDARY
- DETAIL NUMBER / SHEET NUMBER — VIEW REFERENCE CALLOUT
- "X" - "X" — MOUNTING HEIGHT DESIGNATION

DUCT SYSTEMS:

- BD-# — BACKDRAFT DAMPER
- FD-# — FIRE DAMPER
- SD-# — SMOKE DAMPER
- FSD-# — COMBINATION FIRE SMOKE DAMPER
- MD-# — MOTORIZED DAMPER
- VOLUME DAMPER
- SIDEWALL GRILLE
- CEILING DIFFUSER, SUPPLY 4-WAY BLOW PATTERN
- CEILING DIFFUSER, SUPPLY 3-WAY BLOW PATTERN
- CEILING DIFFUSER, SUPPLY 2-WAY BLOW PATTERN
- CEILING DIFFUSER, SUPPLY 1-WAY BLOW PATTERN
- CEILING DIFFUSER, RETURN
- CEILING DIFFUSER, EXHAUST
- UC — DOOR UNDERCUT
- DUCT SECTION, SUPPLY
- DUCT SECTION, RETURN
- DUCT SECTION, EXHAUST
- FLEXIBLE DUCT
- DIRECTION OF AIR FLOW
- DUCT SIZE TRANSITION
- RECTANGULAR ELBOW DOWN - SINGLE LINE
- ROUND ELBOW DOWN - SINGLE LINE
- RECTANGULAR ELBOW UP - SUPPLY
- RECTANGULAR ELBOW DOWN - SUPPLY
- ROUND ELBOW UP - SUPPLY
- ROUND ELBOW DOWN - SUPPLY
- RECTANGULAR ELBOW UP - RETURN
- RECTANGULAR ELBOW DOWN - RETURN
- ROUND ELBOW UP - RETURN
- ROUND ELBOW DOWN - RETURN
- RECTANGULAR ELBOW UP - EXHAUST
- RECTANGULAR ELBOW DOWN - EXHAUST
- ROUND ELBOW UP - EXHAUST
- ROUND ELBOW DOWN - EXHAUST
- MITERED ELBOW
- MITERED ELBOW WITH TURNING VANES
- ACCESS DOOR - TOP/SIDE
- AIR FLOW MEASURING STATION
- SOUND ATTENUATOR
- FLEXIBLE CONNECTION

SHEET NO. / SHEET NAME

DUCT SYSTEM ABBREVIATIONS:

CA	COMBUSTION AIR
CV	COMBUSTION VENT
EA-AII	EXHAUST AIR - AIRBORNE INFECTIOUS ISOLATION
EA-CH	EXHAUST AIR - CHEMICAL
EA-D	EXHAUST AIR - DRYER
EA	EXHAUST AIR - ENVIRONMENTAL
EA-K1	TYPE 1 - KITCHEN EXHAUST
EA-K2	TYPE 2 - KITCHEN EXHAUST
OA	OUTDOOR AIR
RA	RETURN AIR
SA	SUPPLY AIR

RENOVATION LEGEND:

<X>	EXISTING TO REMAIN
<XRL>	EXISTINGTO BE RELOCATED
<XO>	EXISTING TO BE REMOVED
<XNL>	EXISTING IN NEW LOCATION
<N>	NEW
<RAI>	REMAIN AS IS

MECHANICAL EQUIPMENT:

PLAN / SYMBOL

- AIR SEPARATOR
- BASKET STRAINER
- EXPANSION TANK, FREE STANDING
- EXPANSION TANK, HANGING
- SIDE STREAM FILTER
- LOUVER
- HEAT EXCHANGER, PLATE AND FRAME
- HEAT EXCHANGER, SHELL AND TUBE
- T — STEAM TRAP
- VFD — VARIABLE FREQUENCY DRIVE
- CB — CONTROL BOX
- M — ENERGY METER
- M — NATURAL GAS METER
- PUMP (SEE SCHEDULE FOR TYPE)
- VARIABLE AIR VOLUME BOX
- VAV BOX WITH ELECTRIC REHEAT
- VAV BOX WITH HYDRONIC REHEAT
- ROUND IN / ROUND OUT VAV BOX
- FAN POWERED BOX

HVAC SENSORS:

- CO2 — CARBON DIOXIDE
- CO — CARBON MONOXIDE
- DS — DEWPOINT
- G — GAS
- H — HUMIDITY
- NO — NITROGEN OXIDE
- P — RELATIVE PRESSURE MONITOR
- R — REFRIGERANT MONITOR
- SD — SMOKE DETECTOR
- SP — STATIC PRESSURE
- T — THERMOSTAT
- TS — TEMPERATURE

MECHANICAL TAGS:

- VISIBLE DIMENSION / ## x ## XX / SYSTEM ABBREVIATION — DUCT DIMENSIONS (CLEAR, INTERNAL)
- TYPE: S - SUPPLY, R - RETURN, E - EXHAUST, T - TRANSFER / SIZE (OPTIONAL) / X# (# x #) / ### / AIR FLOW RATE — DIFFUSER TAG
- MARK / X / X / NUMBER — MECHANICAL EQUIPMENT TAG
- RISER / X / NUMBER — RISER TAG
- PIPE SIZE / #" XX / SYSTEM ABBREVIATION — PIPE DIMENSION TAG
- POINT OF NEW CONNECTION
- POINT OF DISCONNECTION

MECHANICAL ABBREVIATIONS:

AC	AIR CONDITIONER
ACH	AIR CHANGES PER HOUR
AF	AIR FILTER
AHU	AIR HANDLING UNIT
APD	AIR PRESSURE DROP
BAS	BUILDING AUTOMATION SYSTEM
BHP	BRAKE HORSEPOWER
BTU	BRITISH THERMAL UNIT
BTUH	BTU(S) PER HOUR
CC	COOLING COIL
CF	CUBIC FEET
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CH	CHILLER
CO	CLEANOUT
CT	COOLING TOWER
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
CV	CONSTANT AIR VOLUME
DAT	DISCHARGE AIR TEMPERATURE
DB	DECIBEL OR DRY BULB TEMPERATURE
DDC	DIRECT DIGITAL CONTROL
DH	DUCT HEATER
DX	DIRECT EXPANSION
EAT	ENTERING AIR TEMPERATURE
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
EWT	ENTERING WATER TEMPERATURE
FA	FREE AREA
FC	FAN COIL
FD	FIRE DAMPER
FH	FUME HOOD
FPB	FAN POWERED BOX
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FS	FREEZE STAT
FSD	COMBINATION FIRE/SMOKE DAMPER
GA	GAUGE
GAL	GALLON
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
H	HUMIDISTAT
HC	HEATING COIL
HD	HOOD OR HEAT DETECTOR
HEPA	HIGH EFFICIENCY PARTICULATE AIR FILTER
HP	HORSEPOWER OR HEAT PUMP
HR	HOUR
HUM	HUMIDIFIER
HX	HEAT EXCHANGER
HZ	HERTZ
IN W.C.	INCHES WATER COLUMN
IN W.G.	INCHES WATER GAUGE
KW	KILOWATT
KWH	KILOWATT HOUR
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LWT	LEAVING WATER TEMPERATURE
MBH	THOUSAND BTUH
NC	NORMALLY CLOSED
NK	NECK
NO	NORMALLY OPEN
P	PUMP
PA	PASCAL
PH	PHASE
PRV	PRESSURE REDUCING VALVE
PSIA	POUNDS PER SQUARE INCH ABSOLUTE
PSIG	POUNDS PER SQUARE INCH GAUGE
RF	RETURN FAN
RH	RELATIVE HUMIDITY
RHC	REHEAT COIL
RO	RELIEF OPENING
RPM	REVOLUTIONS PER MINUTE
SAT	SUPPLY AIR TEMPERATURE
SD	SMOKE DAMPER OR SMOKE DETECTOR
SF	SQUARE FEET OR SUPPLY FAN
SPS	STATIC PRESSURE SENSOR
T	THERMOSTAT
TD	TEMPERATURE DIFFERENCE
TO	TRANSFER OPENING
UC	UNDERCUT (DOOR)
UH	UNIT HEATER
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER
VFD	VARIABLE FREQUENCY DRIVE
VSD	VARIABLE SPEED DRIVE
VTR	VENT THROUGH ROOF
W	WATT
WB	WET BULB TEMPERATURE
WC	WATER COLUMN
WPD	WATER PRESSURE DROP

GENERAL ABBREVIATIONS:

A/E	ARCHITECT/ENGINEER
ABV	ABOVE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ALT	ALTERNATE
ARCH	ARCHITECT
BFG	BELOW FINAL GRADE
BLDG	BUILDING
CLG	CEILING
DIR	DIRECT
DISC	DISCONNECT
DN	DOWN
EC	ELECTRICAL CONTRACTOR
ELEV	ELEVATION REFERENCE
EM	EMERGENCY
EP	EXPLOSION PROOF
EWC	ELECTRIC WATER COOLER
F	FLUSH
FBO	FURNISHED BY OTHERS
FIXT	FIXTURE
FLA	FULL LOAD AMPS
FLR	FLOOR
FS	FLOW SWITCH
GC	GENERAL CONTRACTOR
GRD	GROUND
GYP	GYPSUM BOARD
HC	HEATING CONTRACTOR
HVAC	HEATING & VENTILATING - AIR CONDITIONING
HVC	HEATING VENTILATING CONTRACTOR
HW	HEAVYWALL
ID	INDIRECT
IL	INTERLOCK
IU	IN UNIT
J-BOX	JUNCTION BOX
LG	LAY-IN GRID
LTG	LIGHTING
LV	LOW VOLTAGE
LVT	LINE VOLTAGE THERMOSTAT
MC	MECHANICAL CONTRACTOR
MCA	MINIMUM CIRCUIT AMPS
MOCP	MAXIMUM OVERCURRENT PROTECTION
MTD	MOUNTED
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
PLBG	PLUMBING CONTRACTOR
RM	ROOM
SURF	SURFACE
TS	TAMPER SWITCH
TYP	TYPICAL
UG	UNDERGROUND
VC	VENTILATION CONTRACTOR

LEGAT ARCHITECTS
Design with a Difference

MOLINE SCHOOL DISTRICT #40

HAMILTON ELEMENTARY SCHOOL 2025 DUCT REPLACEMENT

700 32nd Ave
Moline, IL 61265

ARCHITECT
Legat Architects
1515 5th Avenue
Moline, IL 61265
P. 309.517.5536
F. 309.517.5540
www.legat.com

M.E.P./F.P. ENGINEER
RTM Engineering
5137 Utica Ridge Rd.
Davenport, IA 52807
P 563.726.6310
www.rtmec.com

SIGNATURE_____

DATE_____

REVISIONS

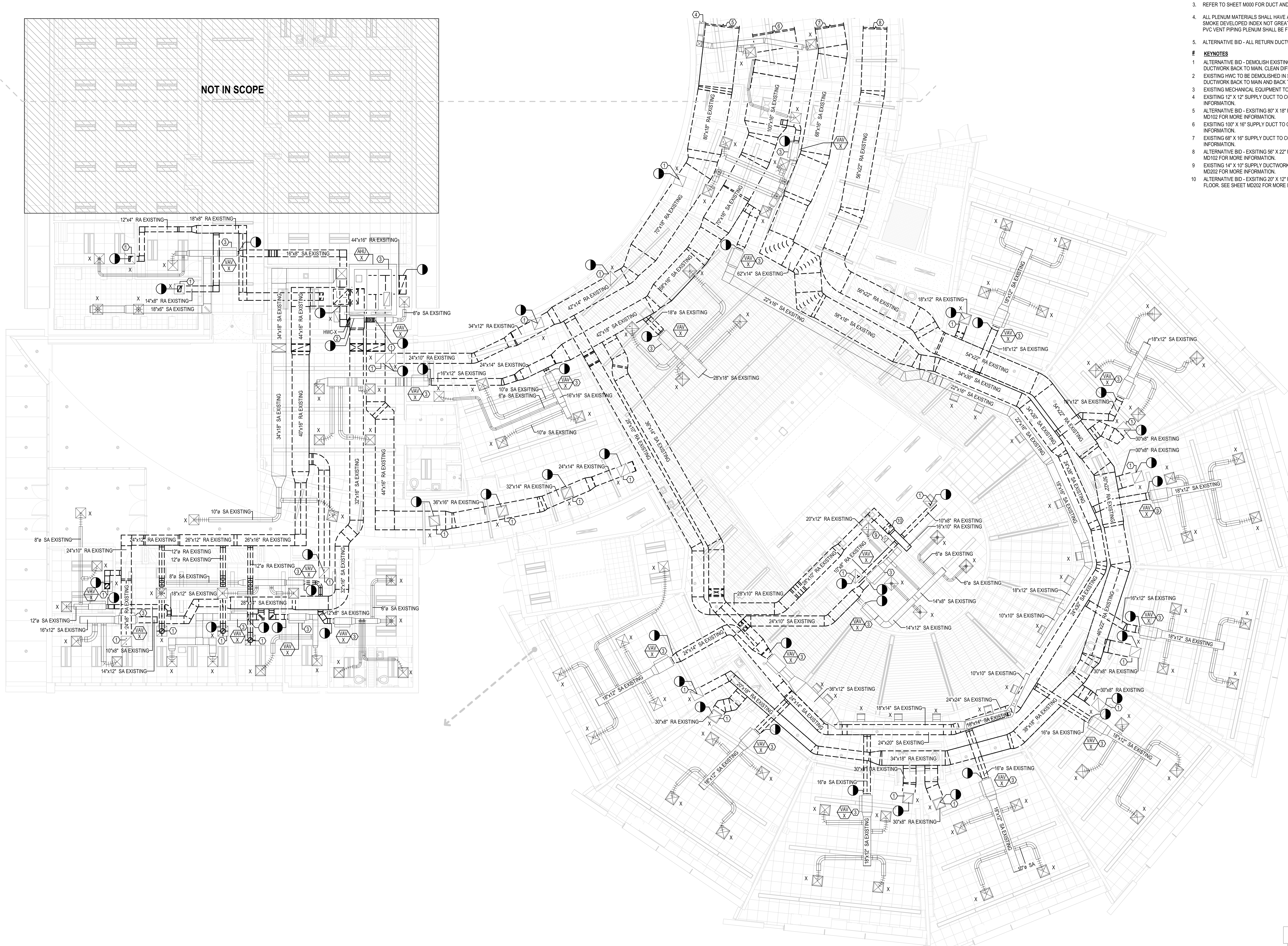
NO.	DESCRIPTION	DATE

PROJECT NUMBER	225061.00
DATE OF ISSUE	03.04.2025
DRAWN BY	MDB
CHECKED BY	MB

MECHANICAL LEGEND

M000

BIDDING



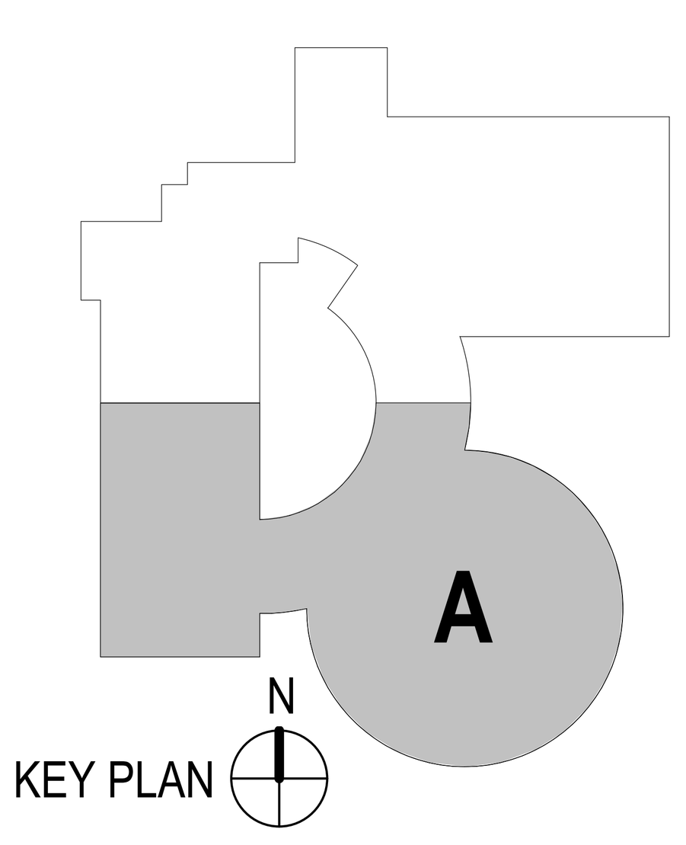
MECHANICAL FIRST FLOOR DEMO PLAN - AREA A

1 / MD101 — 1/8" = 1'-0"

GENERAL NOTES:

1. DRAWINGS ARE TO BE REVIEWED IN FULL DETAIL WITH SPECIFICATIONS. IN THE EVENT THAT THERE IS CROSS DIRECTION, A REQUEST FOR INFORMATION (RFI) IS TO BE SENT TO THE ENGINEER OF RECORD. AS STATED IN SPECIFICATION DIV 1, THE HIGHER COST OF THE TWO OPTIONS IS TO BE TAKEN AS THE OPTION WHILE AT BID UNLESS CLARIFICATION FROM RFI.
2. ALL MECHANICAL SHEETS SHALL BE REVIEWED AND COORDINATED WITH ALL OTHER TRADES PRIOR TO INSTALLATION.
3. REFER TO SHEET M000 FOR DUCT AND PIPE INSULATION.
4. ALL PLENUM MATERIALS SHALL HAVE A FLAME SPREAD INDEX NOT GREATER THAN 25 AND A SMOKE DEVELOPED INDEX NOT GREATER THAN 50 WHEN TESTED WITH ASTEM 384 OR UL 723. PVC VENT PIPING PLENUM SHALL BE FIRE WRAPPED OR MEET PREVIOUS STATEMENT.
5. ALTERNATIVE BID - ALL RETURN DUCTWORK TO BE REPLACED IN ALTERNATIVE BID.

#	KEYNOTES
1	ALTERNATIVE BID - DEMOLISH EXISTING DIFFUSER IN SUCH A WAY TO REUSE. DEMO EXISTING DUCTWORK BACK TO MAIN. CLEAN DIFFUSER TO APPEAR NEW AS NEEDED.
2	EXISTING HWC TO BE DEMOLISHED IN SUCH A WAY TO REUSE HWC. DEMOLISH EXISTING DUCTWORK BACK TO MAIN AND BACK TO UNIT.
3	EXISTING MECHANICAL EQUIPMENT TO REMAIN.
4	EXSITING 12" X 12" SUPPLY DUCT TO CONTINUE TO AREA B. SEE SHEET MD102 FOR MORE INFORMATION.
5	ALTERNATIVE BID - EXSITING 80" X 18" RETURN DUCT TO CONTINUE TO AREA B. SEE SHEET MD102 FOR MORE INFORMATION.
6	EXSITING 100" X 16" SUPPLY DUCT TO CONTINUE TO AREA B. SEE SHEET MD102 FOR MORE INFORMATION.
7	EXISTING 68" X 16" SUPPLY DUCT TO CONTINUE TO AREA B. SEE SHEET MD102 FOR MORE INFORMATION.
8	ALTERNATIVE BID - EXSITING 56" X 22" RETURN DUCT TO CONTINUE TO AREA B. SEE SHEET MD102 FOR MORE INFORMATION.
9	EXISTING 14" X 10" SUPPLY DUCTWORK TO CONTINUE UP TO SECOND FLOOR. SEE SHEET MD202 FOR MORE INFORMATION.
10	ALTERNATIVE BID - EXISTING 20" X 12" RETURN DUCT TO CONTINUE DOWN FROM SECOND FLOOR. SEE SHEET MD202 FOR MORE INFORMATION.



KEY PLAN

LEGAT ARCHITECTS
Design with a Difference

MOLINE SCHOOL DISTRICT #40

HAMILTON ELEMENTARY SCHOOL 2025 DUCT REPLACEMENT

700 32nd Ave
Moline, IL 61265

ARCHITECT
Legat Architects
1515 5th Avenue
Moline, IL 61265
P. 309.517.5536
F. 309.517.5540
www.legat.com

M.E.P./F.P. ENGINEER
RTM Engineering
5137 Utica Ridge Rd.
Davenport, IA 52807
P 563.726.6310
www.rtmec.com

SIGNATURE
DATE

REVISIONS

NO.	DESCRIPTION	DATE

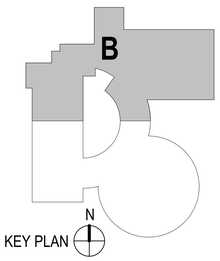
PROJECT NUMBER 225061.00
DATE OF ISSUE 03.04.2025
DRAWN BY MDB
CHECKED BY MB

MECHANICAL FIRST FLOOR DEMO PLAN - AREA A

MD101
BIDDING

1 MD102 — MECHANICAL FIRST FLOOR DEMO PLAN - AREA B

1/8" = 1'-0"



GENERAL NOTES:

1. DRAWINGS ARE TO BE REVIEWED IN FULL DETAIL WITH SPECIFICATIONS. IN THE EVENT THAT THERE IS CROSS DIRECTION, A REQUEST FOR INFORMATION (RFI) IS TO BE SENT TO THE ENGINEER OF RECORD. AS STATED IN SPECIFICATION DIV 1, THE HIGHER COST OF THE TWO OPTIONS IS TO BE TAKEN AS THE OPTION WHILE AT BID UNLESS CLARIFICATION FROM RFI.
2. ALL MECHANICAL SHEETS SHALL BE REVIEWED AND COORDINATED WITH ALL OTHER TRADES PRIOR TO INSTALLATION.
3. REFER TO SHEET M000 FOR DUCT AND PIPE INSULATION.
4. ALL PLENUM MATERIALS SHALL HAVE A FLAME SPREAD INDEX NOT GREATER THAN 25 AND A SMOKE DEVELOPED INDEX NOT GREATER THAN 50 WHEN TESTED WITH ASTEM 384 OR UL 723. PVC VENT PIPING PLENUM SHALL BE FIRE WRAPPED OR MEET PREVIOUS STATEMENT.
5. ALTERNATIVE BID - ALL RETURN DUCTWORK TO BE REPLACED IN ALTERNATIVE BID.

**KEYNOTES**

1 ALTERNATIVE BID - DEMOLISH EXISTING DIFFUSER IN SUCH A WAY TO REUSE. DEMO EXISTING DUCTWORK BACK TO MAIN. CLEAN DIFFUSER TO APPEAR NEW AS NEEDED.
2 EXISTING MECHANICAL EQUIPMENT TO REMAIN.
3 ALTERNATIVE BID - EXISTING 20" X 36" RETURN DUCT TO CONTINUE UP TO SECOND FLOOR. SEE SHEET MD202 FOR MORE INFORMATION.
4 EXISTING 22" X 16" SUPPLY DUCT TO CONTINUE DOWN FROM SECOND FLOOR. SEE SHEET MD202 FORE MORE INFORMATION.
5 EXISTING 82" X 20" RETURN DUCT TO CONTINUE UP TO SECOND FLOOR. SEE SHEET MD202 FOR MORE INFORMATION.
6 EXISTING 100" X 16" SUPPLY DUCT TO CONTINUE DOWN FROM SECOND FLOOR. SEE SHEET MD202 FOR MORE INFORMATION.
7 EXISTING 68" X 16" SUPPLY DUCT TO CONTINUE DOWN FROM SECOND FLOOR. SEE SHEET MD202 FOR MORE INFORMATION.
8 EXISTING 38 X 24" SUPPLY DUCT DOWN FROM SECOND FLOOR. SEE SHEET MD202 FOR MORE INFORMATION.
9 ALTERNATIVE BID - NEW 22" X 16" RETURN DUCT TO CONTINUE UP TO SECOND FLOOR. SEE SHEET MD202 FORE MORE INFORMATION.
10 EXISTING 12" X 12" SUPPLY DUCT TO CONTINUE TO AREA A. SEE SHEET MD101 FOR MORE INFORMATION.
11 ALTERNATIVE BID - EXSITING 56" X 22" RETURN DUCT TO CONTINUE FROM AREA A. SEE SHEET M101 FOR MORE INFORMATION.
12 EXISTING 68" X 16" SUPPLY DUCT TO CONTINUE TO FEED AREA A. SEE SHEET MD101 FOR MORE INFORMATION.
13 EXISTING 100" X 16" SUPPLY DUCT TO CONTINUE TO FEED AREA A. SEE SHEET MD101 FOR MORE INFORMATION.
14 ALTERNATIVE BID - EXISTING 80" X 18" RETURN DUCT TO CONTINUE FROM AREA A. SEE SHEET MD201 FOR MORE INFORMATION.
15 SEE SHEET MD202 FOR MORE INFORMATION ON GYM MECHANICAL LAYOUT.
16 ALTERNATIVE BID - EXISTING 42" X 12" RETURN DUCT LOCATED UNDER STAGE.
17 ALTERNATIVE BID - EXISTING 42" X 8" RETURN DUCT LOCATED UNDER STAGE.

LEGAT ARCHITECTS
Design with a Difference

MOLINE SCHOOL DISTRICT #40

HAMILTON ELEMENTARY SCHOOL 2025 DUCT REPLACEMENT

700 32nd Ave
Moline, IL 61265

ARCHITECT
Legat Architects
1515 5th Avenue
Moline, IL 61265
P. 309.517.5536
F. 309.517.5540
www.legat.com

M.E.P./F.P. ENGINEER
RTM Engineering
5137 Utica Ridge Rd.
Davenport, IA 52807
P 563.726.6310
www.rtmec.com

SIGNATURE

DATE

REVISIONS

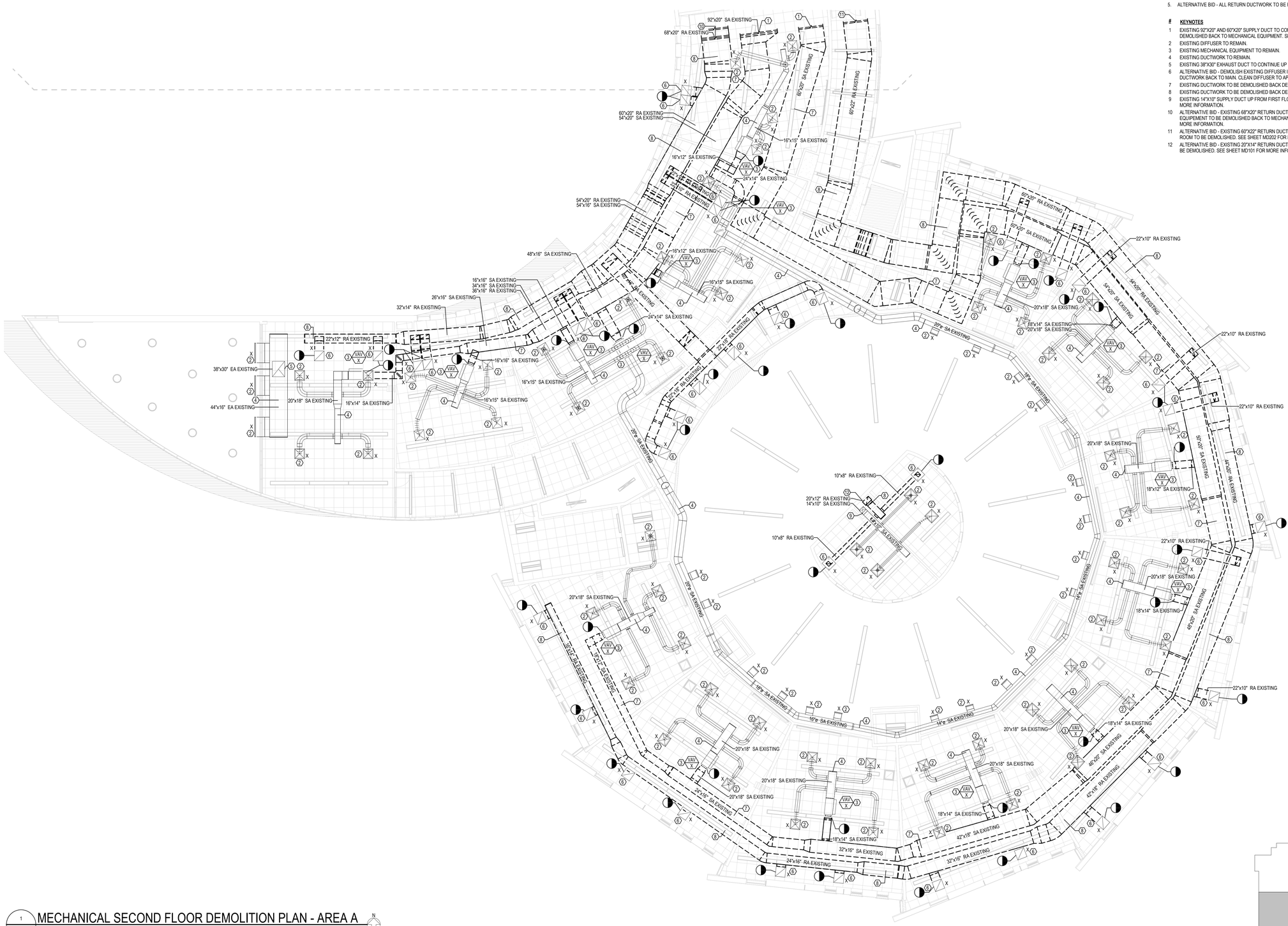
NO.	DESCRIPTION	DATE

PROJECT NUMBER	225061.00
DATE OF ISSUE	03.04.2025
DRAWN BY	MDB
CHECKED BY	MB

MECHANICAL FIRST FLOOR DEMO PLAN - AREA B

MD102

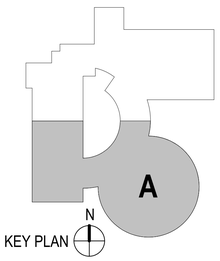
BIDDING



1 MD201 MECHANICAL SECOND FLOOR DEMOLITION PLAN - AREA A

1/8" = 1'-0"

N



KEY PLAN

GENERAL NOTES:

1. DRAWINGS ARE TO BE REVIEWED IN FULL DETAIL WITH SPECIFICATIONS. IN THE EVENT THAT THERE IS CROSS DIRECTION, A REQUEST FOR INFORMATION (RFI) IS TO BE SENT TO THE ENGINEER OF RECORD. AS STATED IN SPECIFICATION DIV 1, THE HIGHER COST OF THE TWO OPTIONS IS TO BE TAKEN AS THE OPTION WHILE AT BID UNLESS CLARIFICATION FROM RFI.
2. ALL MECHANICAL SHEETS SHALL BE REVIEWED AND COORDINATED WITH ALL OTHER TRADES PRIOR TO INSTALLATION.
3. REFER TO SHEET M000 FOR DUCT AND PIPE INSULATION.
4. ALL PLENUM MATERIALS SHALL HAVE A FLAME SPREAD INDEX NOT GREATER THAN 25 AND A SMOKE DEVELOPED INDEX NOT GREATER THAN 50 WHEN TESTED WITH ASTEM 384 OR UL 723. PVC VENT PIPING PLENUM SHALL BE FIRE WRAPPED OR MEET PREVIOUS STATEMENT.
5. ALTERNATIVE BID - ALL RETURN DUCTWORK TO BE REPLACED IN ALTERNATIVE BID.

#	KEYNOTES
1	EXISTING 92"X20" AND 60"X20" SUPPLY DUCT TO CONTINUE MECHANICAL ROOM TO BE DEMOLISHED BACK TO MECHANICAL EQUIPMENT. SEE SHEET MD202 FOR MORE INFORMATION.
2	EXISTING DIFFUSER TO REMAIN.
3	EXISTING MECHANICAL EQUIPMENT TO REMAIN.
4	EXISTING DUCTWORK TO REMAIN.
5	EXISTING 38"X30" EXHAUST DUCT TO CONTINUE UP TO ROOF TO REMAIN.
6	ALTERNATIVE BID - DEMOLISH EXISTING DIFFUSER IN SUCH A WAY TO REUSE. DEMO EXISTING DUCTWORK BACK TO MAIN. CLEAN DIFFUSER TO APPEAR NEW AS NEEDED.
7	EXISTING DUCTWORK TO BE DEMOLISHED BACK DEMOLITION SYMBOLS.
8	EXISTING DUCTWORK TO BE DEMOLISHED BACK DEMOLITION SYMBOLS.
9	EXISTING 14"X10" SUPPLY DUCT UP FROM FIRST FLOOR TO REMAIN. SEE SHEET MD101 FOR MORE INFORMATION.
10	ALTERNATIVE BID - EXISTING 68"X20" RETURN DUCT TO CONTINUE BACK TO MECHANICAL EQUIPEMENT TO BE DEMOLISHED BACK TO MECHANICAL EQUIPMENT. SEE SHEET MD202 FOR MORE INFORMATION.
11	ALTERNATIVE BID - EXISTING 60"X22" RETURN DUCT TO CONTINUE BACK TO MECHANICAL ROOM TO BE DEMOLISHED. SEE SHEET MD202 FOR MORE INFORMATION.
12	ALTERNATIVE BID - EXISTING 20"X14" RETURN DUCT TO CONTINUE DOWN TO FIRST FLOOR TO BE DEMOLISHED. SEE SHEET MD101 FOR MORE INFORMAITON.

LEGAT ARCHITECTS
Design with a Difference

MOLINE SCHOOL DISTRICT #40

HAMILTON ELEMENTARY SCHOOL 2025 DUCT REPLACEMENT

700 32nd Ave
Moline, IL 61265

ARCHITECT
Legat Architects
1515 5th Avenue
Moline, IL 61265
P. 309.517.5536
F. 309.517.5540
www.legat.com

M.E.P./F.P. ENGINEER
RTM Engineering
5137 Utica Ridge Rd.
Davenport, IA 52807
P 563.726.6310
www.rtmec.com

SIGNATURE

DATE

REVISIONS

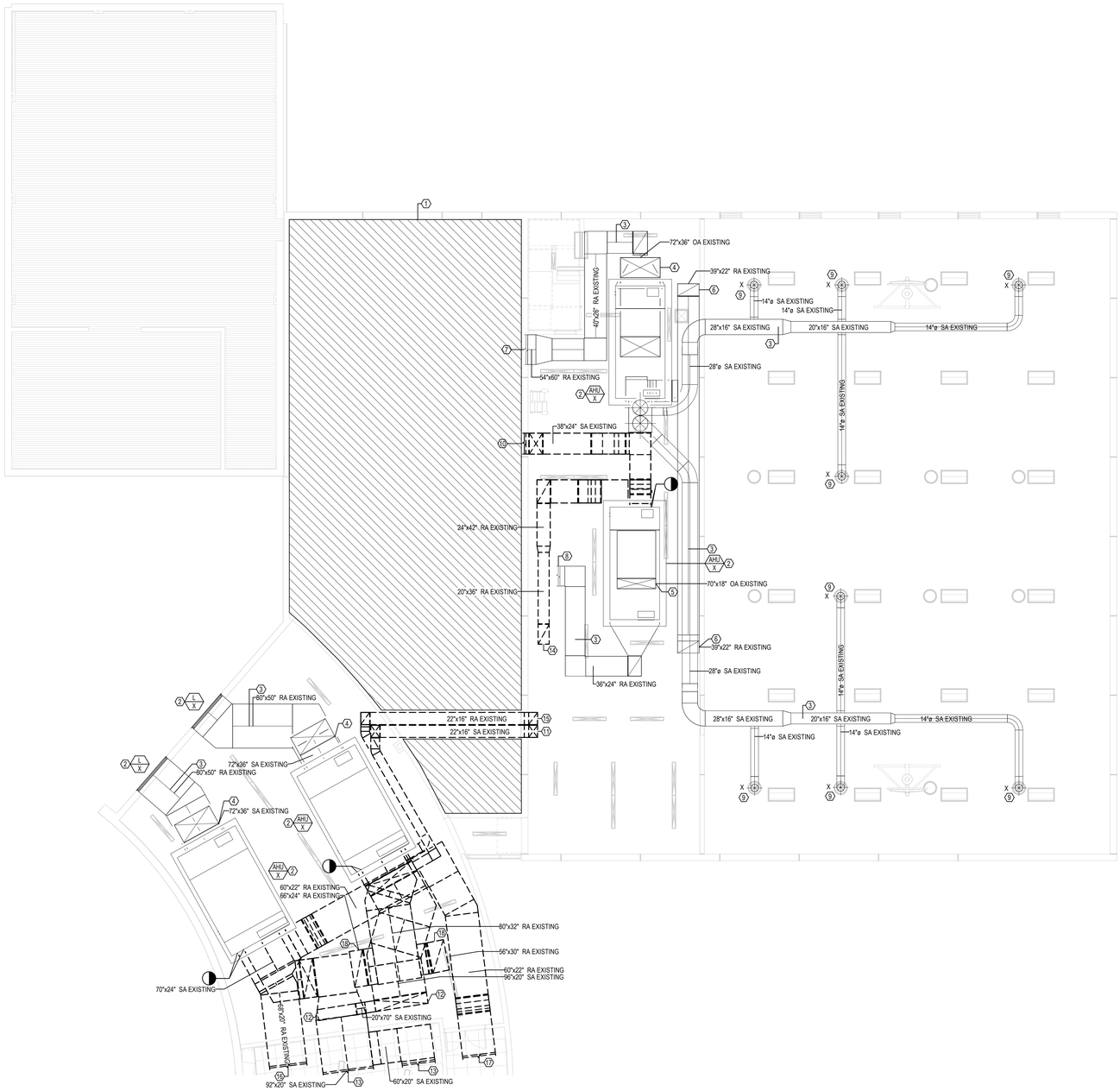
NO.	DESCRIPTION	DATE

PROJECT NUMBER	225061.00
DATE OF ISSUE	03.04.2025
DRAWN BY	MDB
CHECKED BY	MB

MECHANICAL SECOND FLOOR DEMO PLAN - AREA A

MD201

BIDDING



MECHANICAL SECOND FLOOR DEMOLITION PLAN - AREA B

1 / MD202 — 1/8" = 1'-0"

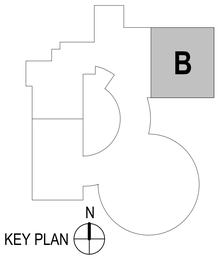
GENERAL NOTES:

1. DRAWINGS ARE TO BE REVIEWED IN FULL DETAIL WITH SPECIFICATIONS. IN THE EVENT THAT THERE IS CROSS DIRECTION, A REQUEST FOR INFORMATION (RFI) IS TO BE SENT TO THE ENGINEER OF RECORD. AS STATED IN SPECIFICATION DIV 1, THE HIGHER COST OF THE TWO OPTIONS IS TO BE TAKEN AS THE OPTION WHILE AT BID UNLESS CLARIFICATION FROM RFI.
2. ALL MECHANICAL SHEETS SHALL BE REVIEWED AND COORDINATED WITH ALL OTHER TRADES PRIOR TO INSTALLATION.
3. REFER TO SHEET M000 FOR DUCT AND PIPE INSULATION.
4. ALL PLENUM MATERIALS SHALL HAVE A FLAME SPREAD INDEX NOT GREATER THAN 25 AND A SMOKE DEVELOPED INDEX NOT GREATER THAN 50 WHEN TESTED WITH ASTEM 384 OR UL 723. PVC VENT PIPING PLENUM SHALL BE FIRE WRAPPED OR MEET PREVIOUS STATEMENT.

ALTERNATE BID - ALL RETURN DUCTWORK TO BE REPLACED IN ALTERNATIVE BID.

KEYNOTES

1 SEE SHEET MD101 FOR MORE INFORMATION ON COMMONS AREA MECHANICAL LAYOUT.
2 EXISTING MECHANICAL EQUIPMENT TO REMAIN.
3 EXISTING DUCTWORK TO REMAIN.
4 EXISTING 72"X36" OUTDOOR AIR DUCT DOWN FROM ROOF TO REMAIN.
5 EXISTING 70"X18" OUTSIDE AIR DUCT DOWN FROM ROOF TO REMAIN.
6 EXISTING 39"X22" RETURN DUCT UP FROM FIRST FLOOR TO REMAIN. SEE SHEET M102 FOR MORE INFORMATION.
7 EXISTING 54"X60" RETURN DUCT FROM FIRST FLOOR TO REMAIN. SEE SHEET M102 FOR MORE INFORMATION.
8 EXISTING 36"X24" RETURN DUCT UP FROM FIRST FLOOR TO REMAIN. SEE SHEET M102 FOR MORE INFORMATION.
9 EXISTING DIFFUSER TO REMAIN.
10 EXISTING 38"X24" SUPPLY DUCT TO CONTINUE DOWN TO FIRST FLOOR TO BE DEMOLISHED. SEE SHEET MD102 FOR MORE INFORMATION.
11 EXISTING 22"X16" SUPPLY DUCT TO CONTINUE DOWN TO FIRST FLOOR TO BE DEMOLISHED. SEE SHEET MD102 FOR MORE INFORMATION.
12 EXISTING 20"X70" AND 68"X16" SUPPLY DUCT TO CONTINUE DOWN TO FIRST FLOOR TO BE DEMOLISHED. SEE SHEET MD102 FOR MORE INFORMATION.
13 EXISTING 92"X20" AND 60"X20" SUPPLY DUCT TO CONTINUE TO FEED THE REST OF THE BUILDING. SEE SHEET MD201 FOR MORE INFORMATION.
14 ALTERNATIVE BID - EXISTING 20"X36 RETURN DUCT UP FROM FIRST FLOOR TO BE DEMOLISHED. SEE SHEET MD102 FOR MORE INFORMATION.
15 ALTERNATIVE BID - EXISTING 22"X16" RETURN DUCT UP FROM FIRST FLOOR TO BE DEMOLISHED. SEE SHEET MD102 FOR MORE INFORMATION.
16 ALTERNATIVE BID - EXISTING 68"X20" RETURN DUCT TO CONTINUE BACK TO MECHANICAL EQUIPEMENT TO BE DEMOLISHED. SEE SHEET MD201 FOR MORE INFORMATION.
17 ALTERNATIVE BID - EXISTING 68"X22" RETURN DUCT TO CONTINUE BACK TO MECHANICAL EQUIPEMENT TO BE DEMOLISHED. SEE SHEET MD201 FOR MORE INFORMATION.
18 ALTERNATIVE BID - EXISTING 66"X24" AND 60"X30" RETURN DUCT UP FROM FIRST FLOOR TO BE DEMOLISHED. SEE SHEET MD102 FOR MORE INFORMATION.



LEGAT ARCHITECTS
Design with a Difference

MOLINE SCHOOL DISTRICT #40

HAMILTON ELEMENTARY SCHOOL 2025 DUCT REPLACEMENT

700 32nd Ave
Moline, IL 61265

ARCHITECT
Legat Architects
1515 5th Avenue
Moline, IL 61265
P. 309.517.5536
F. 309.517.5540
www.legat.com

M.E.P./F.P. ENGINEER
RTM Engineering
5137 Utica Ridge Rd.
Davenport, IA 52807
P 563.726.6310
www.rtmec.com

SIGNATURE

DATE

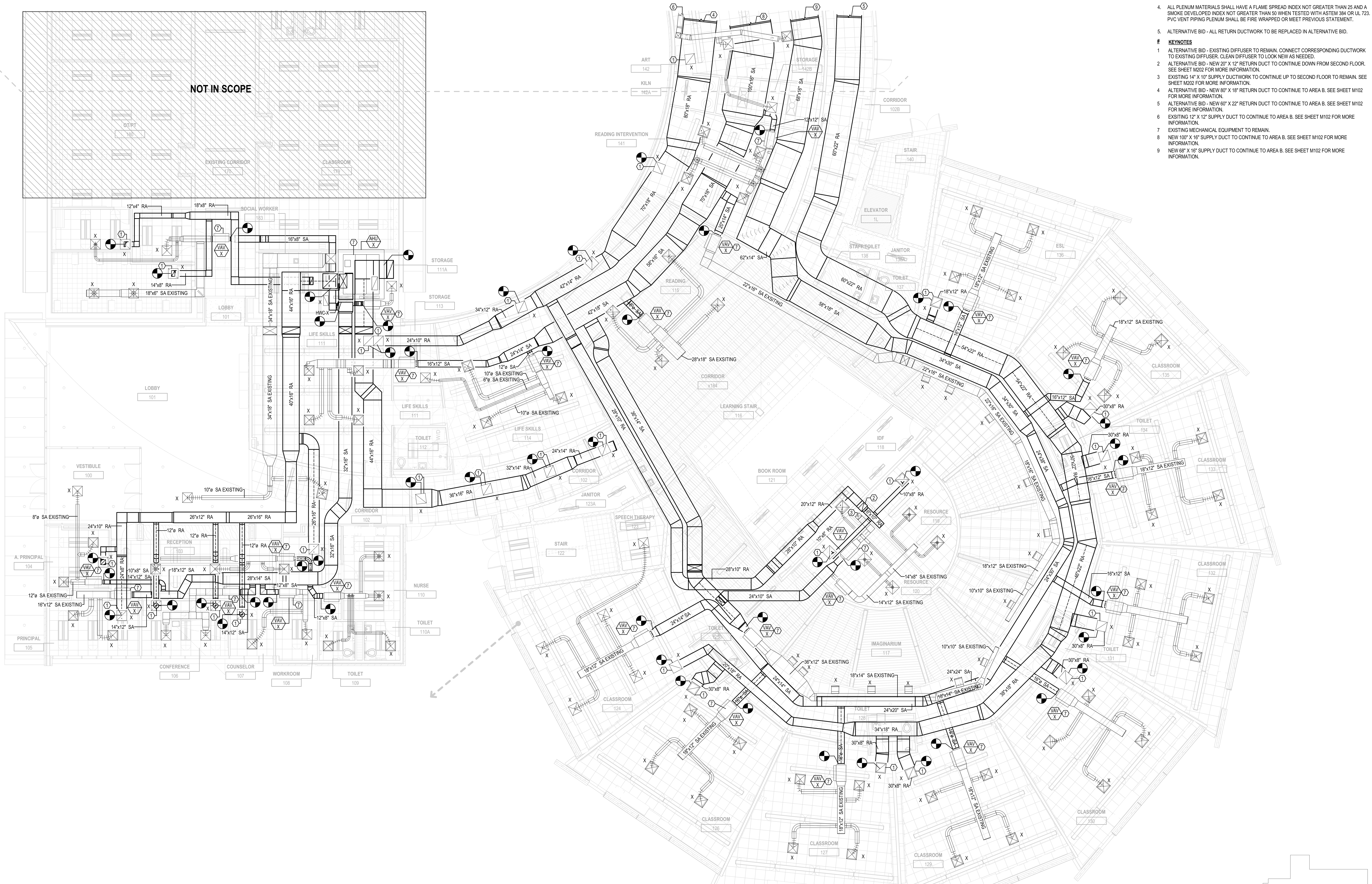
REVISIONS

NO.	DESCRIPTION	DATE

PROJECT NUMBER	225061.00
DATE OF ISSUE	03.04.2025
DRAWN BY	MDB
CHECKED BY	MB

MECHANICAL SECOND FLOOR DEMO PLAN - AREA B

MD202
BIDDING

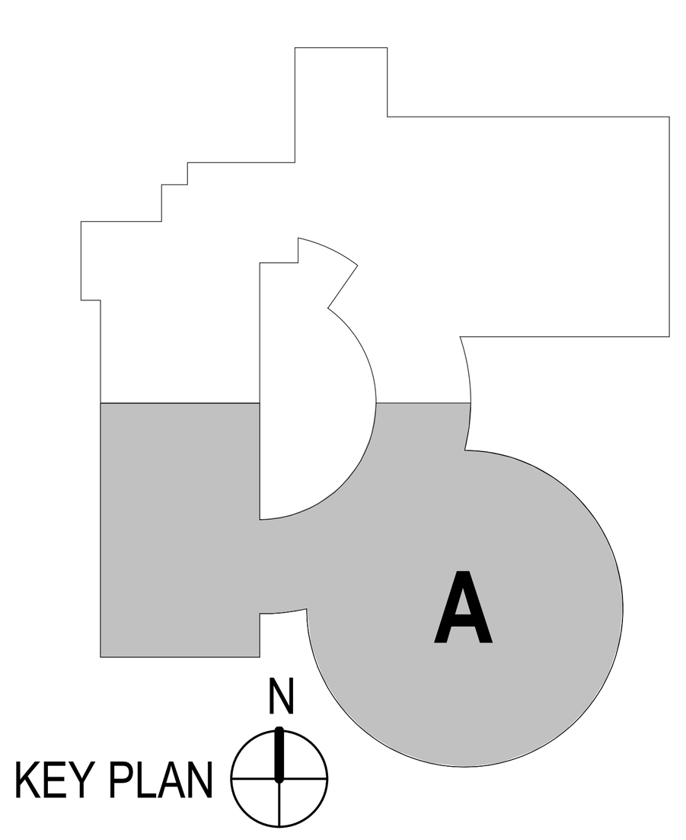


GENERAL NOTES:

1. DRAWINGS ARE TO BE REVIEWED IN FULL DETAIL WITH SPECIFICATIONS. IN THE EVENT THAT THERE IS CROSS DIRECTION, A REQUEST FOR INFORMATION (RFI) IS TO BE SENT TO THE ENGINEER OF RECORD. AS STATED IN SPECIFICATION DIV 1, THE HIGHER COST OF THE TWO OPTIONS IS TO BE TAKEN AS THE OPTION WHILE AT BID UNLESS CLARIFICATION FROM RFI.
2. ALL MECHANICAL SHEETS SHALL BE REVIEWED AND COORDINATED WITH ALL OTHER TRADES PRIOR TO INSTALLATION.
3. REFER TO SHEET M000 FOR DUCT AND PIPE INSULATION.
4. ALL PLENUM MATERIALS SHALL HAVE A FLAME SPREAD INDEX NOT GREATER THAN 25 AND A SMOKE DEVELOPED INDEX NOT GREATER THAN 50 WHEN TESTED WITH ASTEM 384 OR UL 723. PVC VENT PIPING PLENUM SHALL BE FIRE WRAPPED OR MEET PREVIOUS STATEMENT.
5. ALTERNATIVE BID - ALL RETURN DUCTWORK TO BE REPLACED IN ALTERNATIVE BID.

#	KEYNOTES
1	ALTERNATIVE BID - EXISTING DIFFUSER TO REMAIN. CONNECT CORRESPONDING DUCTWORK TO EXISTING DIFFUSER. CLEAN DIFFUSER TO LOOK NEW AS NEEDED.
2	ALTERNATIVE BID - NEW 20" X 12" RETURN DUCT TO CONTINUE DOWN FROM SECOND FLOOR. SEE SHEET M202 FOR MORE INFORMATION.
3	EXISTING 14" X 10" SUPPLY DUCTWORK TO CONTINUE UP TO SECOND FLOOR TO REMAIN. SEE SHEET M202 FOR MORE INFORMATION.
4	ALTERNATIVE BID - NEW 80" X 18" RETURN DUCT TO CONTINUE TO AREA B. SEE SHEET M102 FOR MORE INFORMATION.
5	ALTERNATIVE BID - NEW 60" X 22" RETURN DUCT TO CONTINUE TO AREA B. SEE SHEET M102 FOR MORE INFORMATION.
6	EXSITING 12" X 12" SUPPLY DUCT TO CONTINUE TO AREA B. SEE SHEET M102 FOR MORE INFORMATION.
7	EXISTING MECHANICAL EQUIPMENT TO REMAIN.
8	NEW 100" X 16" SUPPLY DUCT TO CONTINUE TO AREA B. SEE SHEET M102 FOR MORE INFORMATION.
9	NEW 68" X 16" SUPPLY DUCT TO CONTINUE TO AREA B. SEE SHEET M102 FOR MORE INFORMATION.

1 / M101 MECHANICAL FIRST FLOOR PLAN - AREA A
1/8" = 1'-0"



KEY PLAN

LEGAT ARCHITECTS
Design with a Difference

MOLINE SCHOOL DISTRICT #40

HAMILTON ELEMENTARY SCHOOL 2025 DUCT REPLACEMENT

700 32nd Ave
Moline, IL 61265

ARCHITECT
Legat Architects
1515 5th Avenue
Moline, IL 61265
P. 309.517.5536
F. 309.517.5540
www.legat.com

M.E.P./F.P. ENGINEER
RTM Engineering
5137 Utica Ridge Rd.
Davenport, IA 52807
P 563.726.6310
www.rtmec.com

SIGNATURE
DATE

REVISIONS

NO.	DESCRIPTION	DATE

PROJECT NUMBER 225061.00
DATE OF ISSUE 03.04.2025
DRAWN BY MDB
CHECKED BY MB

MECHANICAL FIRST FLOOR PLAN - AREA A

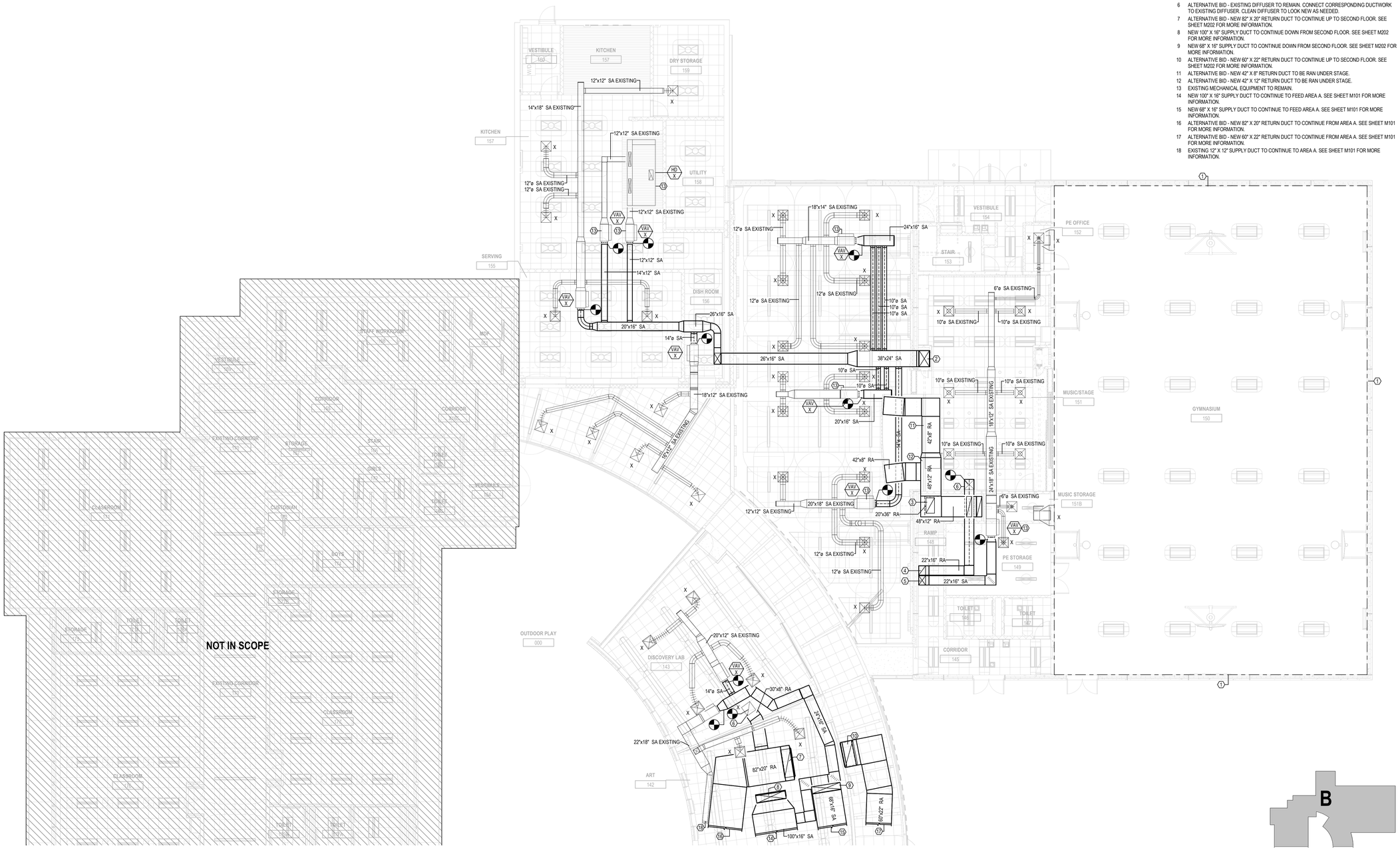
M101
BIDDING

GENERAL NOTES:

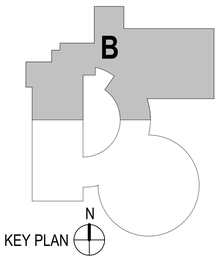
1. DRAWINGS ARE TO BE REVIEWED IN FULL DETAIL WITH SPECIFICATIONS. IN THE EVENT THAT THERE IS CROSS DIRECTION, A REQUEST FOR INFORMATION (RFI) IS TO BE SENT TO THE ENGINEER OF RECORD. AS STATED IN SPECIFICATION DIV 1, THE HIGHER COST OF THE TWO OPTIONS IS TO BE TAKEN AS THE OPTION WHILE AT BID UNLESS CLARIFICATION FROM RFI.
2. ALL MECHANICAL SHEETS SHALL BE REVIEWED AND COORDINATED WITH ALL OTHER TRADES PRIOR TO INSTALLATION.
3. REFER TO SHEET M000 FOR DUCT AND PIPE INSULATION.
4. ALL PLENUM MATERIALS SHALL HAVE A FLAME SPREAD INDEX NOT GREATER THAN 25 AND A SMOKE DEVELOPED INDEX NOT GREATER THAN 50 WHEN TESTED WITH ASTEM 384 OR UL 723. PVC VENT PIPING PLENUM SHALL BE FIRE WRAPPED OR MEET PREVIOUS STATEMENT.
5. ALTERNATIVE BID - ALL RETURN DUCTWORK TO BE REPLACED IN ALTERNATIVE BID.

 # KEYNOTES

1 SEE SHEET M202 FOR MORE INFORMATION ON GYM MECHANICAL LAYOUT.
2 NEW 38 X 24" SUPPLY DUCT DOWN FROM SECOND FLOOR. SEE SHEET M202 FOR MORE INFORMATION.
3 ALTERNATIVE BID - NEW 20" X 36" RETURN DUCT TO CONTINUE UP TO SECOND FLOOR. SEE SHEET M202 FOR MORE INFORMATION.
4 ALTERNATIVE BID - NEW 22" X 16" RETURN DUCT TO CONTINUE UP TO SECOND FLOOR. SEE SHEET M202 FORE MORE INFORMATION.
5 NEW 22" X 16" SUPPLY DUCT TO CONTINUE DOWN FROM SECOND FLOOR. SEE SHEET M202 FORE MORE INFORMATION.
6 ALTERNATIVE BID - EXISTING DIFFUSER TO REMAIN. CONNECT CORRESPONDING DUCTWORK TO EXISTING DIFFUSER. CLEAN DIFFUSER TO LOOK NEW AS NEEDED.
7 ALTERNATIVE BID - NEW 82" X 20" RETURN DUCT TO CONTINUE UP TO SECOND FLOOR. SEE SHEET M202 FOR MORE INFORMATION.
8 NEW 100" X 16" SUPPLY DUCT TO CONTINUE DOWN FROM SECOND FLOOR. SEE SHEET M202 FOR MORE INFORMATION.
9 NEW 68" X 16" SUPPLY DUCT TO CONTINUE DOWN FROM SECOND FLOOR. SEE SHEET M202 FOR MORE INFORMATION.
10 ALTERNATIVE BID - NEW 60" X 22" RETURN DUCT TO CONTINUE UP TO SECOND FLOOR. SEE SHEET M202 FOR MORE INFORMATION.
11 ALTERNATIVE BID - NEW 42" X 8" RETURN DUCT TO BE RAN UNDER STAGE.
12 ALTERNATIVE BID - NEW 42" X 12" RETURN DUCT TO BE RAN UNDER STAGE.
13 EXISTING MECHANICAL EQUIPMENT TO REMAIN.
14 NEW 100" X 16" SUPPLY DUCT TO CONTINUE TO FEED AREA A. SEE SHEET M101 FOR MORE INFORMATION.
15 NEW 68" X 16" SUPPLY DUCT TO CONTINUE TO FEED AREA A. SEE SHEET M101 FOR MORE INFORMATION.
16 ALTERNATIVE BID - NEW 82" X 20" RETURN DUCT TO CONTINUE FROM AREA A. SEE SHEET M101 FOR MORE INFORMATION.
17 ALTERNATIVE BID - NEW 60" X 22" RETURN DUCT TO CONTINUE FROM AREA A. SEE SHEET M101 FOR MORE INFORMATION.
18 EXISTING 12" X 12" SUPPLY DUCT TO CONTINUE TO AREA A. SEE SHEET M101 FOR MORE INFORMATION.



1 / M102 MECHANICAL FIRST FLOOR PLAN - AREA B
1/8" = 1'-0"



LEGAT ARCHITECTS
Design with a Difference

MOLINE SCHOOL DISTRICT #40

HAMILTON ELEMENTARY SCHOOL 2025 DUCT REPLACEMENT

700 32nd Ave
Moline, IL 61265

ARCHITECT
Legat Architects
1515 5th Avenue
Moline, IL 61265
P. 309.517.5536
F. 309.517.5540
www.legat.com

M.E.P./F.P. ENGINEER
RTM Engineering
5137 Utica Ridge Rd.
Davenport, IA 52807
P 563.726.6310
www.rtmec.com

SIGNATURE
DATE

REVISIONS

NO.	DESCRIPTION	DATE

PROJECT NUMBER	225061.00
DATE OF ISSUE	03.04.2025
DRAWN BY	MDB
CHECKED BY	MB

MECHANICAL FIRST FLOOR PLAN- AREA B

M102
BIDDING

GENERAL NOTES:

1. DRAWINGS ARE TO BE REVIEWED IN FULL DETAIL WITH SPECIFICATIONS. IN THE EVENT THAT THERE IS CROSS DIRECTION, A REQUEST FOR INFORMATION (RFI) IS TO BE SENT TO THE ENGINEER OF RECORD. AS STATED IN SPECIFICATION DIV 1, THE HIGHER COST OF THE TWO OPTIONS IS TO BE TAKEN AS THE OPTION WHILE AT BID UNLESS CLARIFICATION FROM RFI.
2. ALL MECHANICAL SHEETS SHALL BE REVIEWED AND COORDINATED WITH ALL OTHER TRADES PRIOR TO INSTALLATION.
3. REFER TO SHEET M000 FOR DUCT AND PIPE INSULATION.
4. ALL PLENUM MATERIALS SHALL HAVE A FLAME SPREAD INDEX NOT GREATER THAN 25 AND A SMOKE DEVELOPED INDEX NOT GREATER THAN 50 WHEN TESTED WITH ASTEM 384 OR UL 723. PVC VENT PIPING PLENUM SHALL BE FIRE WRAPPED OR MEET PREVIOUS STATEMENT.
5. ALTERNATIVE BID - ALL RETURN DUCTWORK TO BE REPLACED IN ALTERNATIVE BID.

#	KEYNOTES
1	EXISTING MECHANICAL EQUIPMENT TO REMAIN.
2	EXISTING DUCTWORK TO REMAIN.
3	EXISTING DIFFUSER TO REMAIN.
4	NEW 92"X20" AND 60"X20" SUPPLY DUCT TO CONTINUE MECHANICAL ROOM. SEE SHEET M202 FOR MORE INFORMATION.
5	EXISTING 38"X30" EXHAUST DUCT TO CONTINUE UP TO ROOF TO REMAIN.
6	EXISTING 14"X10" SUPPLY DUCT UP FROM FIRST FLOOR TO REMAIN. SEE SHEET M101 FOR MORE INFORMATION.
7	ALTERNATIVE BID - EXISTING DIFFUSER TO REMAIN. CONNECT CORRESPONDING DUCTWORK TO EXISTING DIFFUSER. CLEAN DIFFUSER TO LOOK NEW AS NEEDED.
8	ALTERNATIVE BID - NEW 68"X20" RETURN DUCT TO CONTINUE BACK TO MECHANICAL EQUIPEMENT. SEE SHEET M202 FOR MORE INFORMATION.
9	ALTERNATIVE BID - NEW 60"X22" RETURN DUCT TO CONTINUE BACK TO MECHANICAL EQUIPEMENT. SEE SHEET M202 FOR MORE INFORMATION.
10	ALTERNATIVE BID - NEW 20"X14" RETURN DUCT TO CONTINUE DOWN TO FIRST FLOOR. SEE SHEET M101 FOR MORE INFORMAITON.

1 / M201 MECHANICAL SECOND FLOOR PLAN - AREA A

1/8" = 1'-0"

KEY PLAN

LEGAT ARCHITECTS
Design with a Difference

MOLINE SCHOOL DISTRICT #40

HAMILTON ELEMENTARY SCHOOL 2025 DUCT REPLACEMENT

700 32nd Ave
Moline, IL 61265

ARCHITECT
Legat Architects
1515 5th Avenue
Moline, IL 61265
P. 309.517.5536
F. 309.517.5540
www.legat.com

M.E.P./F.P. ENGINEER
RTM Engineering
5137 Utica Ridge Rd.
Davenport, IA 52807
P 563.726.6310
www.rtmec.com

SIGNATURE

DATE

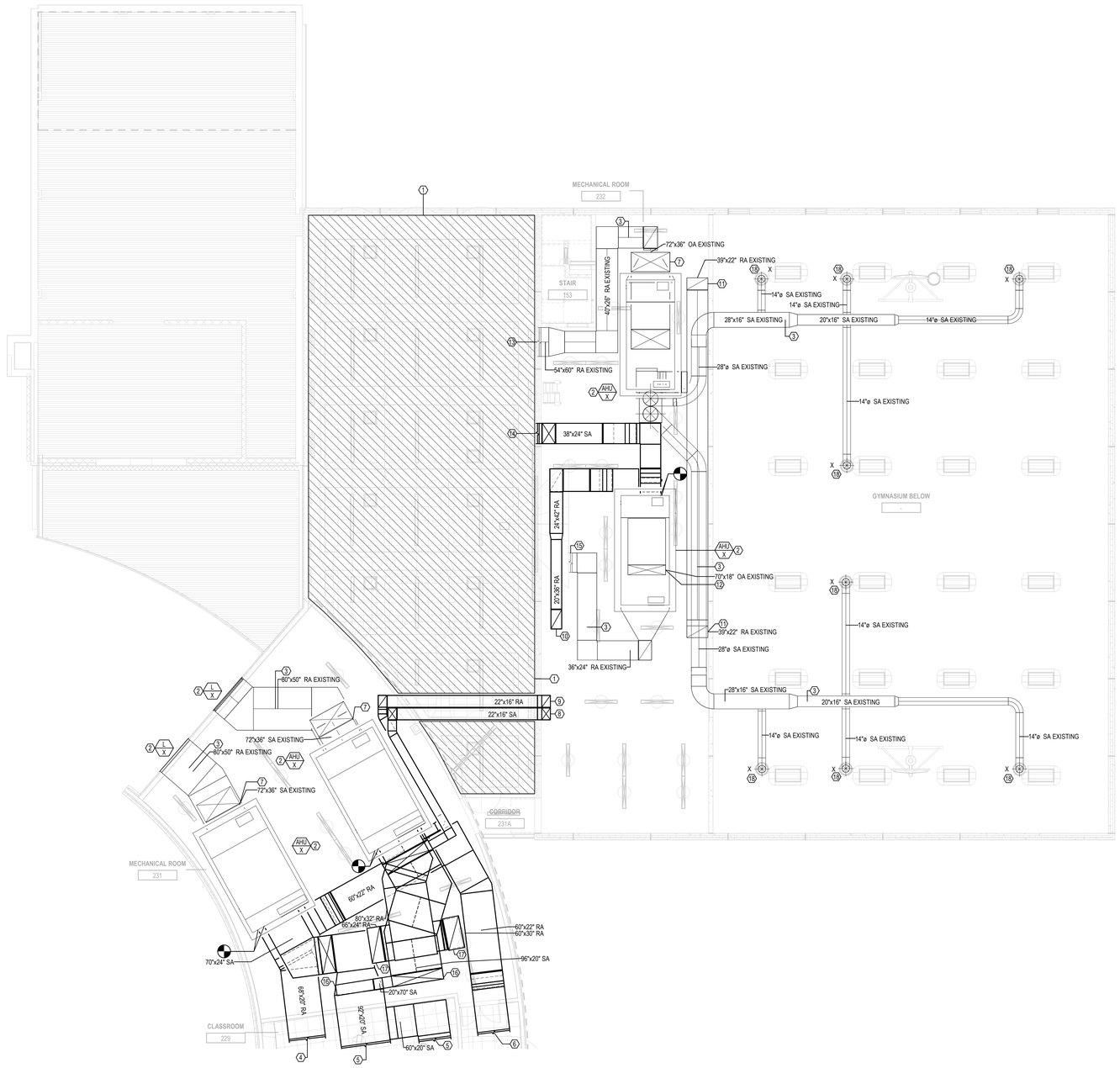
REVISIONS

NO.	DESCRIPTION	DATE

PROJECT NUMBER	225061.00
DATE OF ISSUE	03.04.2025
DRAWN BY	MB
CHECKED BY	MDB

MECHANICAL SECOND FLOOR PLAN - AREA A

M201
BIDDING



1 M202 MECHANICAL SECOND FLOOR PLAN - AREA B

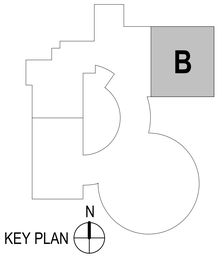
1/8" = 1'-0"

GENERAL NOTES:

1. DRAWINGS ARE TO BE REVIEWED IN FULL DETAIL WITH SPECIFICATIONS. IN THE EVENT THAT THERE IS CROSS DIRECTION, A REQUEST FOR INFORMATION (RFI) IS TO BE SENT TO THE ENGINEER OF RECORD. AS STATED IN SPECIFICATION DIV 1, THE HIGHER COST OF THE TWO OPTIONS IS TO BE TAKEN AS THE OPTION WHILE AT BID UNLESS CLARIFICATION FROM RFI.
2. ALL MECHANICAL SHEETS SHALL BE REVIEWED AND COORDINATED WITH ALL OTHER TRADES PRIOR TO INSTALLATION.
3. REFER TO SHEET M000 FOR DUCT AND PIPE INSULATION.
4. ALL PLENUM MATERIALS SHALL HAVE A FLAME SPREAD INDEX NOT GREATER THAN 25 AND A SMOKE DEVELOPED INDEX NOT GREATER THAN 50 WHEN TESTED WITH ASTEM 384 OR UL 723. PVC VENT PIPING PLENUM SHALL BE FIRE WRAPPED OR MEET PREVIOUS STATEMENT.
5. ALTERNATIVE BID - ALL RETURN DUCTWORK TO BE REPLACED IN ALTERNATIVE BID.

 # KEYNOTES

1 SEE SHEET M101 FOR MORE INFORMATION ON COMMONS AREA MECHANICAL LAYOUT.
2 EXISTING MECHANICAL EQUIPMENT TO REMAIN.
3 EXISTING DUCTWORK TO REMAIN.
4 ALTERNATIVE BID - NEW 68"X20" RETURN DUCT TO CONTINUE BACK TO MECHANICAL EQUIPEMENT. SEE SHEET M201 FOR MORE INFORMATION.
5 NEW 92"X20" AND 60"X20" SUPPLY DUCT TO CONTINUE TO FEED THE REST OF THE BUILDING. SEE SHEET M201 FOR MORE INFORMATION.
6 ALTERNATIVE BID - NEW 68"X22" RETURN DUCT TO CONTINUE BACK TO MECHANICAL EQUIPEMENT. SEE SHEET M201 FOR MORE INFORMATION.
7 EXISTING 72"X36" OUTDOOR AIR DUCT DOWN FROM ROOF TO REMAIN.
8 NEW 22"X16" SUPPLY DUCT TO CONTINUE DOWN TO FIRST FLOOR. SEE SHEET M102 FOR MORE INFORMATION.
9 ALTERNATIVE BID - NEW 22"X16" RETURN DUCT UP FROM FIRST FLOOR. SEE SHEET M102 FOR MORE INFORMATION.
10 ALTERNATIVE BID - NEW 20"X36 RETURN DUCT UP FROM FIRST FLOOR. SEE SHEET M102 FOR MORE INFORMATION.
11 EXISTING 39"X22" RETURN DUCT UP FROM FIRST FLOOR TO REMAIN. SEE SHEET M102 FOR MORE INFORMATION.
12 EXISTING 70"X18" OUTSIDE AIR DUCT DOWN FROM ROOF TO REMAIN.
13 EXISTING 54"X60" RETURN DUCT FROM FIRST FLOOR TO REMAIN. SEE SHEET M102 FOR MORE INFORMATION.
14 NEW 38"X24" SUPPLY DUCT TO CONTINUE DOWN TO FIRST FLOOR. SEE SHEET M102 FOR MORE INFORMATION.
15 EXISTING 38"X24" RETURN DUCT UP FROM FIRST FLOOR TO REMAIN. SEE SHEET M102 FOR MORE INFORMATION.
16 NEW 20"X70" AND 68"X16" SUPPLY DUCT TO CONTINUE DOWN TO FIRST FLOOR. SEE SHEET M102 FOR MORE INFORMATION.
17 ALTERNATIVE BID - NEW 68"X24" AND 60"X30" RETURN DUCT UP FROM FIRST FLOOR. SEE SHEET M102 FOR MORE INFORMATION.
18 EXISTING DIFFUSER TO REMAIN.



LEGAT ARCHITECTS
Design with a Difference

MOLINE SCHOOL DISTRICT #40

HAMILTON ELEMENTARY SCHOOL 2025 DUCT REPLACEMENT

700 32nd Ave
Moline, IL 61265

ARCHITECT
Legat Architects
1515 5th Avenue
Moline, IL 61265
P. 309.517.5536
F. 309.517.5540
www.legat.com

M.E.P./F.P. ENGINEER
RTM Engineering
5137 Utica Ridge Rd.
Davenport, IA 52807
P 563.726.6310
www.rtmec.com

SIGNATURE

DATE

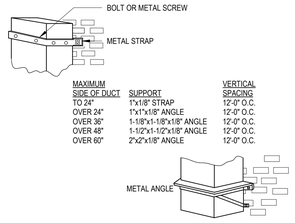
REVISIONS

NO.	DESCRIPTION	DATE

PROJECT NUMBER	225061.00
DATE OF ISSUE	03.04.2025
DRAWN BY	MDB
CHECKED BY	MB

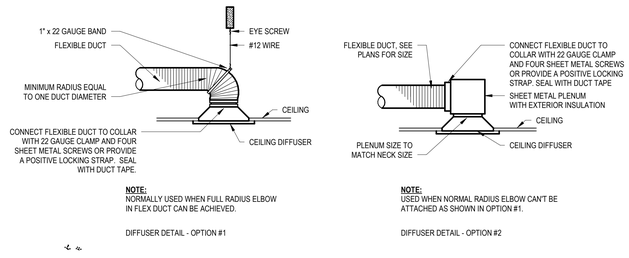
MECHANICAL SECOND FLOOR PLAN - AREA B

M202
BIDDING



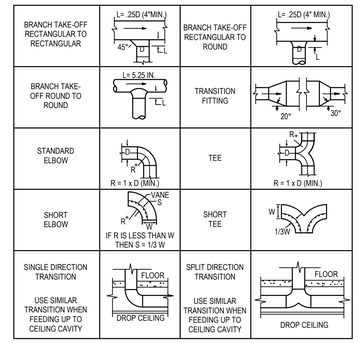
3 M300 DUCT SUPPORT DETAIL

SCALE: N.T.S.



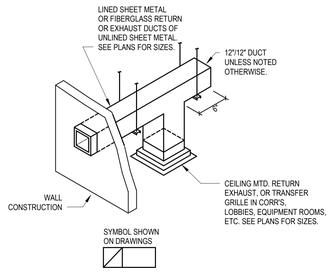
2 M300 TYPICAL DIFFUSER AND GRILLE CONNECTIONS

SCALE: N.T.S.



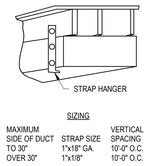
1 M300 TYPICAL DUCT TAKE-OFFS DETAIL

SCALE: N.T.S.



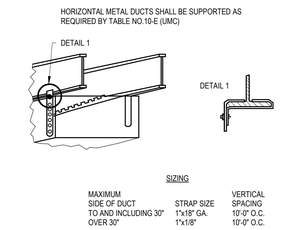
7 M300 RETURN OR EXHAUST DUCT W/ GRILLE

SCALE: N.T.S.



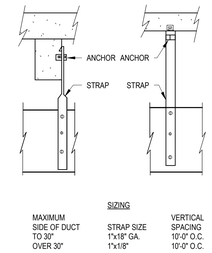
6 M300 DUCT SUPPORT DETAIL

SCALE: N.T.S.



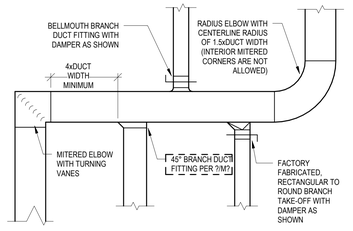
5 M300 DUCT SUPPORT DETAIL

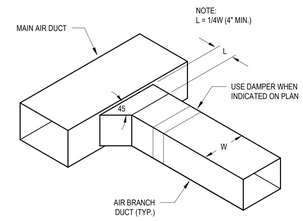
SCALE: N.T.S.



4 M300 DUCT SUPPORT DETAIL

SCALE: N.T.S.





8 M300 DUCTWORK CONSTRUCTION DETAIL

SCALE: N.T.S.

LEGAT ARCHITECTS
Design with a Difference

MOLINE SCHOOL DISTRICT #40

HAMILTON ELEMENTARY SCHOOL 2025 DUCT REPLACEMENT

700 32nd Ave
Moline, IL 61265

ARCHITECT
Legat Architects
1515 5th Avenue
Moline, IL 61265
P. 309.517.5536
F. 309.517.5540
www.legat.com

M.E.P./F.P. ENGINEER
RTM Engineering
5137 Utica Ridge Rd.
Davenport, IA 52807
P 563.726.6310
www.rtmec.com

SIGNATURE

DATE

REVISIONS

NO.	DESCRIPTION	DATE

PROJECT NUMBER	225061.00
DATE OF ISSUE	03.04.2025
DRAWN BY	MDB
CHECKED BY	MB

MECHANICAL DETAILS

M300
BIDDING