

*Addendum*

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ADDENDUM NO. 3

DATE: May 29, 2024

PROJECT: RCSC Middle School – Natatorium HVAC & Lighting Replacement

COMMISSION NO. **SCO** Engineering, LLC – 232710

The Contractor shall incorporate, into the Contract Documents and into his bid, the following changes and/or clarifications to the Drawings, Specifications and Scope of Work.

**Item: M-2.1**  
Location: Mechanical Drawing: M0.1.  
Description: Revision: Revise the sheet title scale as shown on attached revised sheet M0.1.

**Item: M-2.2**  
Location: Mechanical Drawing: M2.1.  
Description: Revision: Revise the sheet title scale as shown on attached revised sheet M2.1.

END OF ADDENDUM NO. 3

one and one half inches = one foot

one inch = one foot

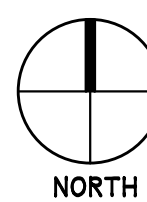
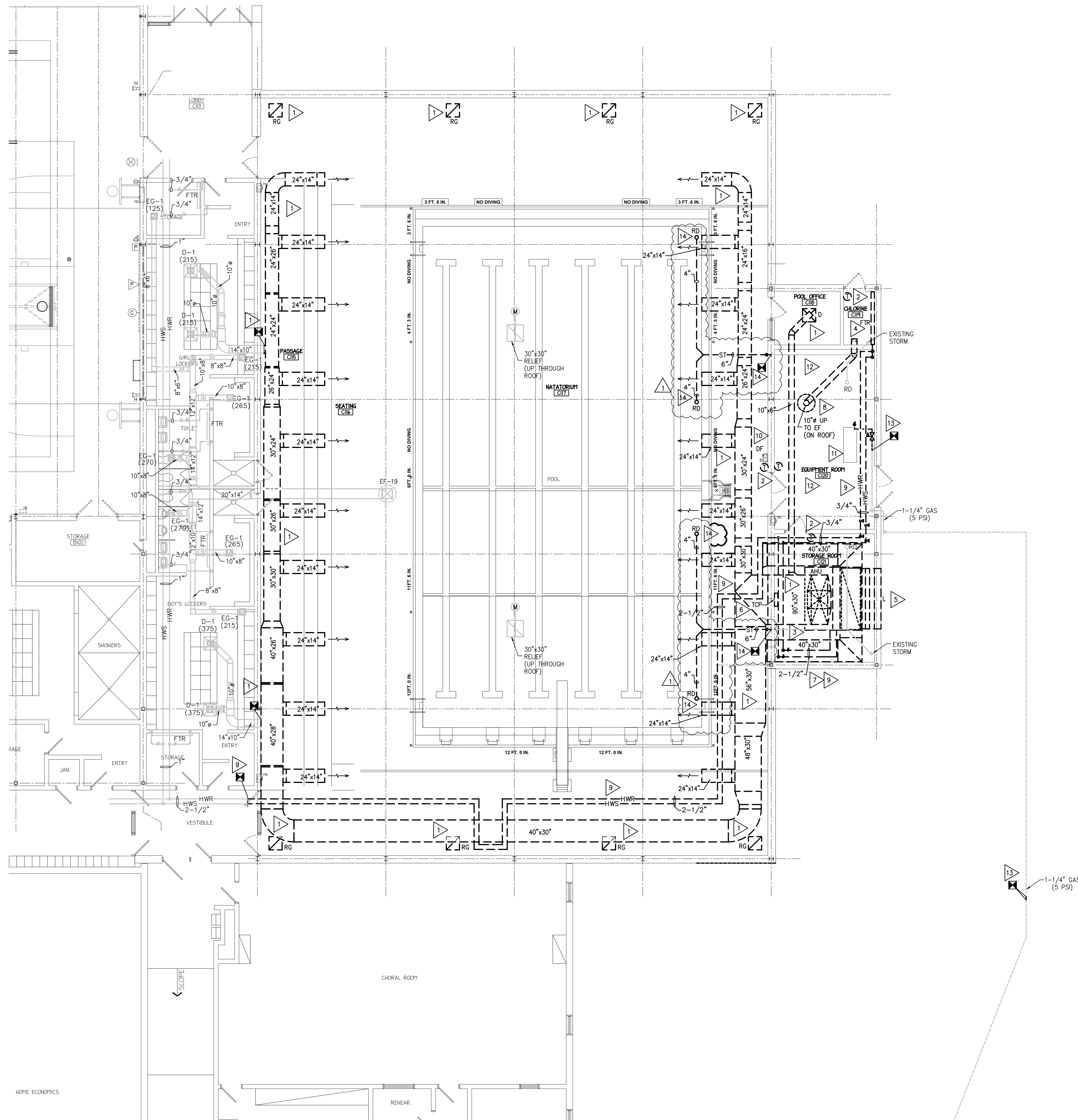
three quarters inch = one foot

one half inch = one foot

three eighths inch = one foot

one quarter inch = one foot

one eighth inch = one foot



1

# FIRST FLOOR MECHANICAL DEMOLITION PLAN

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

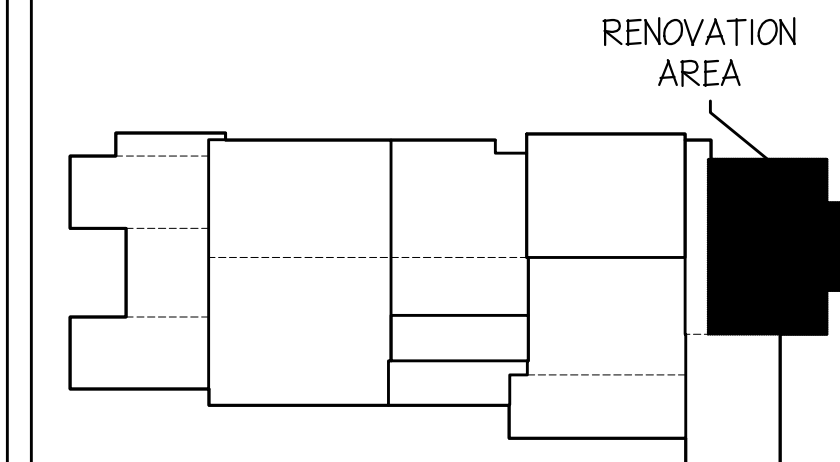
2

## MECHANICAL DEMOLITION PLAN NOTES

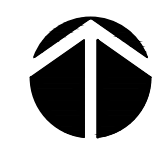
- 1 REMOVE DUCTWORK, DIFFUSERS, AND GRILLES TO POINT INDICATED AND PREPARE AREA FOR NEW WORK.
- 2 REMOVE EXISTING THERMOSTAT COMPLETE, INCLUDING ASSOCIATED ELECTRICAL AND CONTROL WIRE BACK TO THE SOURCE AND PREPARE AREA FOR NEW WORK.
- 3 REMOVE EXISTING AIR HANDLING UNIT COMPLETE INCLUDING ALL CONTROLS, WIRING, DUCTWORK AND MECHANICAL PIPING TO POINT INDICATED ON DRAWING AND PREPARE FOR NEW WORK.
- 4 REMOVE EXISTING FINNED TUBE HEATER INCLUDING PIPING TO POINT INDICATED AND ALL ASSOCIATED CONTROLS BACK TO SOURCE.
- 5 REMOVE EXISTING LOUVER COMPLETE. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.
- 6 REMOVE ALL ABANDONED CONTROLS COMPLETE THROUGHOUT THE AREA OF WORK.
- 7 REMOVE EXISTING CIRCULATING PUMP AND HWS/HWR PIPING ASSOCIATED WITH EXISTING AIR HANDLER BACK COMPLETE.
- 8 REMOVE EXISTING ROOF MOUNTED EXHAUST FAN COMPLETE INCLUDING ALL CONTROLS, WIRING, DUCTWORK, GRILLES, ROOF CURB AND MOUNTING HARDWARE. PREPARE EXISTING OPENING FOR NEW WORK.
- 9 REMOVE HWS/HWR PIPING BACK TO POINT INDICATED INCLUDING ALL HANGERS AND HARDWARE AND CAP PIPING.
- 10 REMOVE EXISTING DRINKING FOUNTAIN COMPLETE. PREPARE EXISTING CW AND SANITARY PIPING FOR NEW WORK. CONTRACTOR TO CONFIRM WATER SUPPLY TO LOCATION IS IN WORKING CONDITION AND INFORM ARCHITECT/ENGINEER OF CONDITION PRIOR TO ORDERING NEW FIXTURE AND COMPLETING NEW WORK.
- 11 EXISTING POOL WATER HEATER. SEE POOL EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
- 12 REFER TO POOL EQUIPMENT DRAWINGS FOR ADDITIONAL DEMOLITION WORK IN THIS AREA.
- 13 REMOVE GAS PIPING TO POINT INDICATED AND PREPARE AREA FOR NEW WORK.
- 14 CAREFULLY DISCONNECT AND REMOVE EXISTING STORM PIPING FROM ROOF DRAIN SUMP THAT IS TO REMAIN AND REMOVE COMPLETE, INCLUDING ALL INSULATION, HANGERS, AND SUPPORTS BACK TO POINT INDICATED AND MAKE READY FOR NEW WORK.

1

1-1/4" GAS (5 PSI)

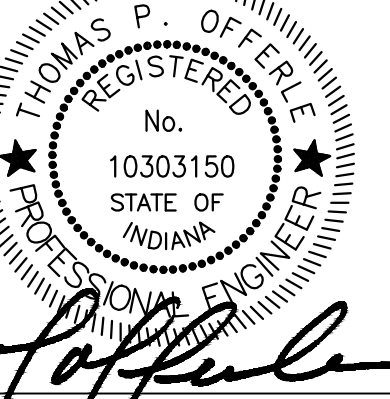


RCSC MIDDLE SCHOOL  
BUILDING KEY PLAN  
NOT TO SCALE



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## CERTIFICATION



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## RCSC 2023 BOND PROJECTS

Rochester Middle School  
650 ZEBRA LN, ROCHESTER, INDIANA 46975

## NATATORIUM HVAC & LIGHTING UPGRADE



REVISION	DATE	INITIAL
Addendum #2	05/28/2024	BAB
Addendum #3	05/29/2024	SJB

DATE	PROJECT
05/01/2024	2023.0011

TITLE  
First Floor  
Mechanical Demolition  
Plan  
SHEET

M0.1



one and one half inches = one foot

one inch = one foot

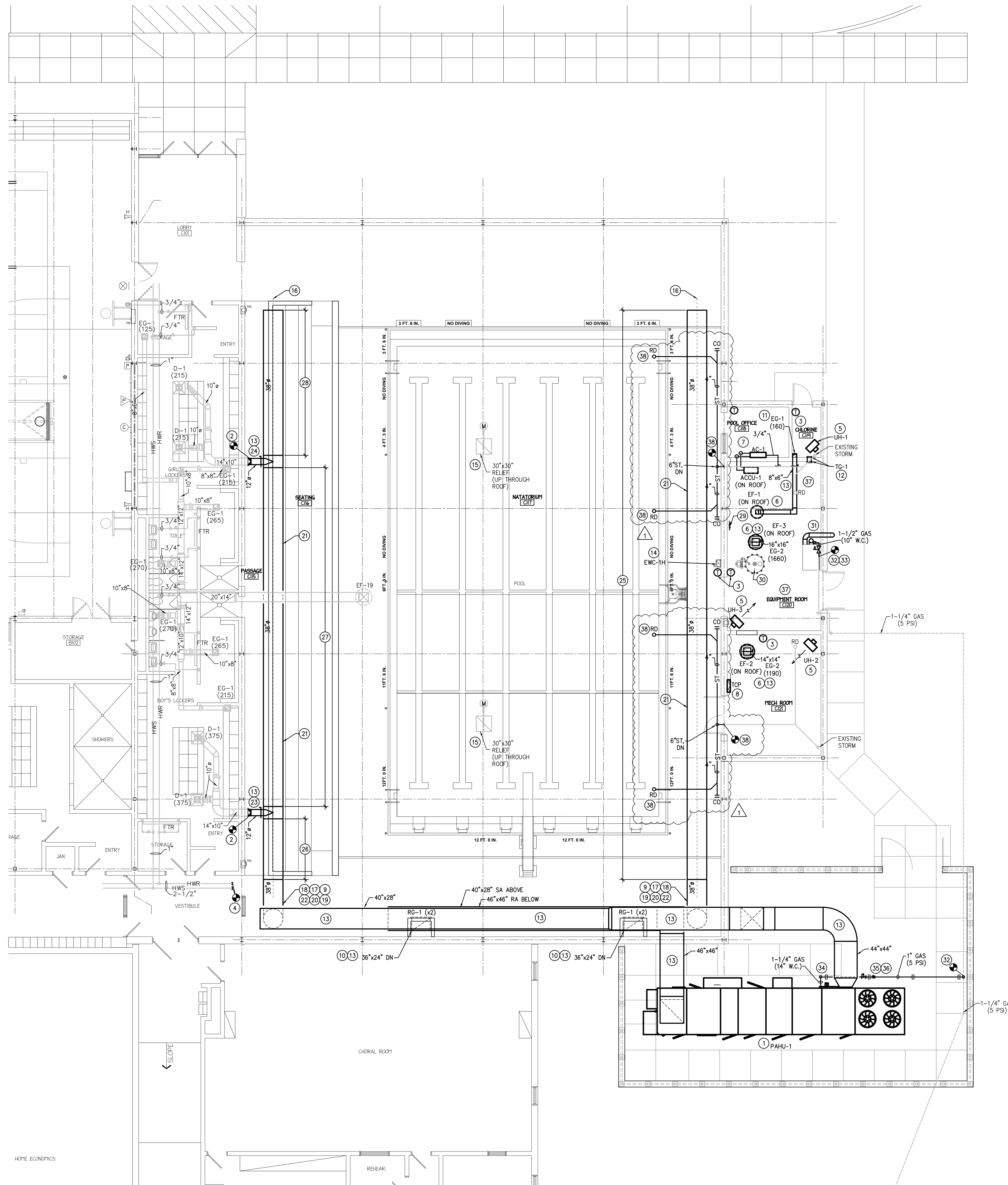
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1

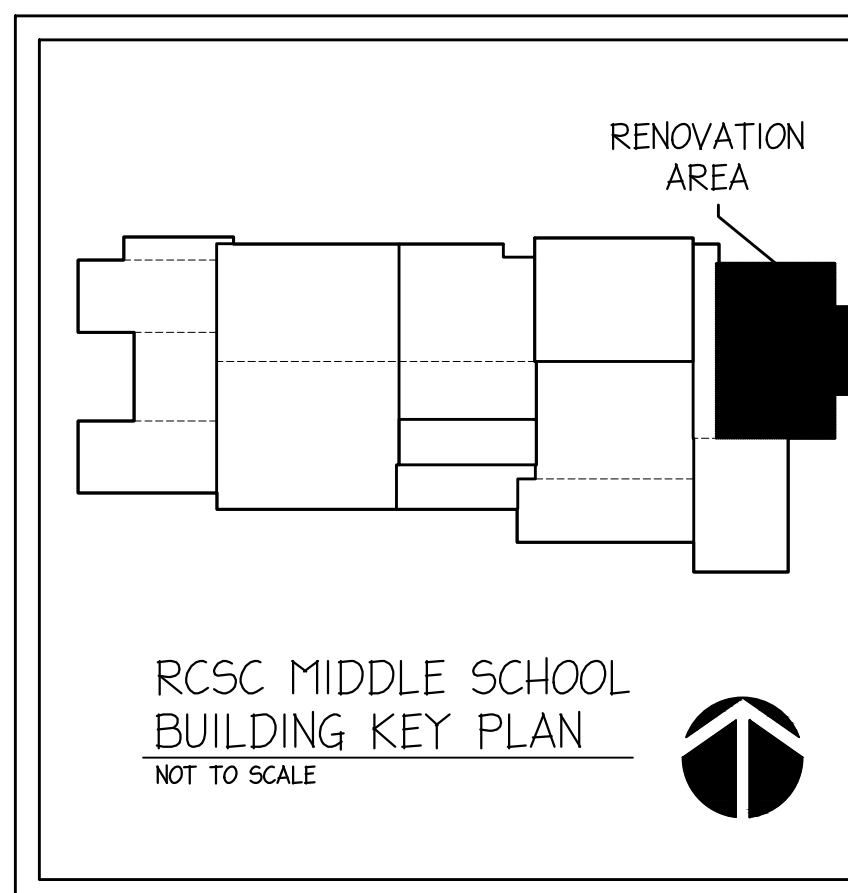
# FIRST FLOOR MECHANICAL PLAN

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

2

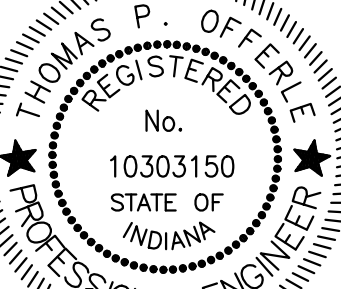
## MECHANICAL PLAN NOTES

- 1 PROVIDE AND INSTALL NEW OUTDOOR POOL AIR HANDLING UNIT COMPLETE INCLUDING ALL CONTROLS, WIRING, DUCTWORK, DUCTWORK TRANSITIONS, FITTINGS, AND ACCESSORIES. MAINTAIN ALL CLEARANCE AS REQUIRED BY MANUFACTURER.
- 2 TIE INTO EXISTING DUCTWORK AND ROUTE AS INDICATED. PROVIDE AND INSTALL ALL NECESSARY DUCTWORK TRANSITIONS AND FITTINGS AS REQUIRED.
- 3 PROVIDE AND INSTALL NEW TEMPERATURE SENSOR COMPLETE INCLUDING ALL CONTROLS AND WIRING.
- 4 PROVIDE AND INSTALL CAP ON EXISTING HWS/HWR PIPING.
- 5 PROVIDE AND INSTALL NEW CORROSION RESISTANT ELECTRIC UNIT HEATER COMPLETE INCLUDING ALL CONTROLS, WIRING, AND ACCESSORIES.
- 6 PROVIDE AND INSTALL NEW ROOF MOUNTED EXHAUST FAN COMPLETE INCLUDING ALL CONTROLS, WIRING, DUCTWORK, TRANSITIONS, GRILLES AND ACCESSORIES. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION ON ROOF WORK AND WARRANTY INFORMATION.
- 7 PROVIDE AND INSTALL NEW SPLIT SYSTEM AIR CONDITIONER COMPLETE INCLUDING INDOOR WALL MOUNTED HEAD, OUTDOOR ROOF MOUNTED CONDENSING UNIT AND ALL ASSOCIATED CONTROLS, WIRING, REFRIGERANT, REFRIGERANT PIPING, MOUNTING HARDWARE AND ACCESSORIES. ROUTE REFRIGERANT PIPING AS INDICATED FOR CONNECTION OF INDOOR UNIT TO OUTDOOR UNIT. ROUTE 3/4" CONDENSATE DRAIN PIPING TO NEAREST FLOOR DRAIN OR FLOOR SINK AND TERMINATE.
- 8 PROPOSED TEMPERATURE CONTROL PANEL LOCATION. CONTRACTOR IS TO VERIFY QUANTITY AND LOCATION OF PANELS REQUIRED AND PROVIDE ELECTRICAL POWER TO ANY CHANGE IN LOCATION OR ADDITIONAL PANELS.
- 9 PROVIDE AND INSTALL DUCTSOX FABRIC DUCT. USE SEDONA-MM ANTIMICROBIAL WOOLEN POLYESTER FABRIC MATERIAL. INSTALL WITH INTERNAL HOOP SUPPORT PER MANUFACTURERS RECOMMENDATIONS. VENT SIZE AND LOCATION PER MANUFACTURERS RECOMMENDATIONS.
- 10 ROUTE RETURN DUCTWORK DOWN ALONG WALL. PROVIDE AND INSTALL RETURN GRILLE MOUNTED UP HIGH AND DOWN LOW AT EACH LOCATION.
- 11 ROUTE 8"x6" DOWN EXPOSED ALONG WALL AND TERMINATE DUCTWORK AND GRILLE 6" A.F.F.
- 12 TRANSFER GRILLE MOUNTED HIGH WITHIN SPACE.
- 13 PROVIDE AND INSTALL ALUMINUM DUCTWORK.
- 14 PROVIDE AND INSTALL NEW WATER COOLER AND BOTTLE FILLING STATION COMPLETE. PROVIDE ALL NECESSARY DEMOLITION OF PIPING AND NEW PIPING, FITTINGS AND ACCESSORIES AS REQUIRED FOR CONNECTION TO EXISTING CW AND SANITARY PIPING.
- 15 EXISTING RELIEF CAPS, DAMPERS, AND ACTUATORS TO REMAIN. CONTRACTOR TO CONFIRM ACTUATORS ARE FUNCTIONING PROPERLY AND COMMUNICATE FINDINGS TO ARCHITECT AND ENGINEER.
- 16 FABRIC DUCT SUPPORT CABLE INSTALLED PER MANUFACTURERS RECOMMENDATIONS.
- 17 FABRIC DUCT IS TO BE MOUNTED BELOW JOISTS AT HIGHEST POSSIBLE ELEVATION. COORDINATE FABRIC DUCT HANGER SYSTEM WITH STRUCTURAL AND LIGHTING LOCATIONS. COORDINATE FINAL DUCT LOCATION WITH ARCHITECT PRIOR TO THE INITIATION OF ANY WORK. REFER TO DETAILS.
- 18 PROVIDE 2 CONTINUOUS WELD BEADS, 1-1/2" APART ON THE CIRCUMFERENCE OF THE DUCT, RECESSED IN 44"+/- IN FROM THE END OF THE DUCT.
- 19 PROVIDE 2 STAINLESS STEEL BANDS TO CONNECT THE FABRIC DUCT TO THE SHEET METAL DUCT.
- 20 SHEET METAL DUCT TO EXTEND 2 TIMES FABRIC DUCT DIAMETER INTO FABRIC DUCT.
- 21 PROVIDE AND INSTALL ADJUSTABLE FLOW DEVICE IN FABRIC DUCTWORK PER MANUFACTURERS RECOMMENDATIONS. REFER TO ADJUSTABLE AIR FLOW DEVICE DETAIL FOR ADDITIONAL INFORMATION.
- 22 SECTION OF FABRIC DUCT TOTAL AIR FLOW IS 12,600 CFM.
- 23 TRANSITION TO SHEET METAL DUCTWORK BRANCH. TOTAL AIR FLOW FOR BRANCH TAKE OFF IS 750 CFM.
- 24 TRANSITION TO SHEET METAL DUCTWORK BRANCH. TOTAL AIR FLOW FOR BRANCH TAKE OFF IS 430 CFM.
- 25 FABRIC DUCT AIR FLOW FOR THIS SECTION IS 12,600 CFM. PROVIDE LINEAR VENT DISPERSION, SIZE 26 AT 4:00 POSITION, SIZE 26 AT 5:00 POSITION, SIZE 22 AT 9:00 POSITION, SIZE 26 AT 10:00 POSITION.
- 26 FABRIC DUCT AIR FLOW FOR THIS SECTION IS 1,828 CFM. PROVIDE LINEAR VENT DISPERSION, SIZE 29 AT 2:00 POSITION, SIZE 20 AT 3:00 POSITION, SIZE 10 AT 6:00 POSITION, SIZE 21 AT 7:00 POSITION, SIZE 20 AT 8:00 POSITION.
- 27 FABRIC DUCT AIR FLOW FOR THIS SECTION IS 6,837 CFM. PROVIDE LINEAR VENT DISPERSION, SIZE 30 AT 2:00 POSITION, SIZE 20 AT 3:00 POSITION, SIZE 10 AT 6:00 POSITION, SIZE 20 AT 7:00 POSITION, SIZE 20 AT 8:00 POSITION.
- 28 FABRIC DUCT AIR FLOW FOR THIS SECTION IS 2,755 CFM. PROVIDE LINEAR VENT DISPERSION, SIZE 29 AT 2:00 POSITION, SIZE 21 AT 3:00 POSITION, SIZE 10 AT 6:00 POSITION, SIZE 22 AT 7:00 POSITION, SIZE 22 AT 8:00 POSITION.
- 29 PLUMBING CONTRACTOR TO INSTALL SOLENOID VALVE, PROVIDED BY OTHERS, FOR POOL EQUIPMENT FILL WATER. REFER TO POOL EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
- 30 PLUMBING CONTRACTOR TO PROVIDE AND INSTALL DRAIN PIPE AS REQUIRED FOR DRAINING OF POOL EQUIPMENT FILTER SYSTEM TO BACKWASH PIT. REFER TO POOL EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
- 31 PROVIDE AND INSTALL 8" PVC FLUE AND INTAKE PIPING FOR POOL WATER HEATER PROVIDED BY OTHERS. ROUTE COMBUSTION AIR THROUGH SIDEWALL AND TERMINATE PER MANUFACTURERS REQUIREMENTS. PROVIDE AND INSTALL BIRD SCREEN FITTING ON END OF INTAKE SEAL AND CAULK PENETRATION THROUGH WALL FOR A WEATHER TIGHT INSTALLATION. ROUTE FLUE PIPING UP THROUGH ROOF AND TERMINATE WITH MANUFACTURERS RECOMMENDED ROOF CAP. REFER TO ARCHITECTURAL AND POOL EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
- 32 PROVIDE AND INSTALL TIE IN TO EXISTING NATURAL GAS PIPING.
- 33 ROUTE NATURAL GAS PIPING AS INDICATED FOR FINAL CONNECTION TO NEW EQUIPMENT. PROVIDE AND INSTALL PRV TO REDUCE INCOMING GAS PRESSURE DOWN TO 10" W.C. AND VENT TO OUTDOORS. CONFIRM PRESSURE REQUIREMENTS WITH APPROVED EQUIPMENT PRIOR TO ORDERING AND INSTALLATION. MAINTAIN ALL REQUIRED INSTALLATION DISTANCES AND REQUIREMENTS PER MANUFACTURERS RECOMMENDATIONS. REFER TO NATURAL GAS HOOKUP DETAIL FOR ADDITIONAL INFORMATION.
- 34 ROUTE NATURAL GAS PIPING AS INDICATED FOR FINAL CONNECTION TO NEW EQUIPMENT. PROVIDE AND INSTALL PRV TO REDUCE INCOMING GAS PRESSURE DOWN TO 14" W.C. CONFIRM PRESSURE REQUIREMENTS WITH APPROVED EQUIPMENT PRIOR TO ORDERING AND INSTALLATION. MAINTAIN ALL REQUIRED INSTALLATION DISTANCES AND REQUIREMENTS PER MANUFACTURERS RECOMMENDATIONS. REFER TO NATURAL GAS HOOKUP DETAIL FOR ADDITIONAL INFORMATION.
- 35 PROVIDE AND INSTALL PIPE SUPPORTS LIKE: DURABLOCK B-LINE SERIES FOR GROUND MOUNTED NATURAL GAS PIPING. PROVIDE PIPE SUPPORTS PER MANUFACTURERS INSTALLATION REQUIREMENTS. COORDINATE EXACT PIPE ROUTING WITH ALL DUCTWORK AND EQUIPMENT. PROVIDE NECESSARY TRANSITIONS AND FITTINGS AS REQUIRED.
- 36 PRIME AND PAINT GAS PIPING WITH RUST INHIBITING PAINT PER DRAWINGS AND SPECIFICATIONS.
- 37 REFER TO POOL EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION ON WORK IN THIS AREA.
- 38 MECHANICAL CONTRACTOR SHALL TIE IN AND CONNECT NEW STORM PIPING FROM THE EXISTING ROOF DRAIN SUMPS THAT ARE TO REMAIN AND ROUTE STORM PIPING AT THE HIGHEST POSSIBLE ELEVATION THROUGH THE NATATORIUM AND ROUTE PIPING AS SHOWN. PIPING IS TO BE SURFACE MOUNTED ON WALL AND ROUTED DOWN ALONG WALL AND THROUGH THE EXISTING WALL FOR CONNECTION TO THE EXISTING STORM PIPING. PIPING SHALL BE SURFACE MOUNTED ON WALL WITH STAINLESS STEEL HARDWARE AND HANGERS. PROVIDE AND INSTALL INSULATION WITH PVC JACKET ON ALL EXPOSED PIPING FOR A MOISTURE PROOF INSTALLATION. IT IS THE INTENT OF THESE DRAWINGS THAT THE NEW STORM PIPING IS TO BE INSTALLED WITHIN A MANOR TO BE INCONSPICUOUS AS POSSIBLE WITHIN THE SPACE. PROVIDE AND INSTALL ALL OFFSETS AND FITTINGS AS REQUIRED TO ROUTE THROUGH THE SPACE. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE EXACT PIPE LAYOUT AND ROUTING WITH THE OWNER AND ARCHITECT PRIOR TO THE INITIATION OF ANY WORK. CONTRACTOR SHALL BE RESPONSIBLE TO CORE DRILL OPENING WITHIN WALL AS REQUIRED FOR INSTALLATION OF PIPING.



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## CERTIFICATION



Thomas P. Offenberg  
Professional Engineer

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## NATATORIUM HVAC & LIGHTING UPGRADE



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Addendum #3	05/29/2024	SJB

DATE	PROJECT
05/01/2024	2023.0011

TITLE  
First Floor  
Mechanical Plan

SHEET

M2.1