

August 25, 2022

MIDDLETON ASSOCIATES INCORPORATED
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NORMAL, IL 61761-2793
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ADDENDUM NUMBER 1
TO THE DRAWINGS AND SPECIFICATIONS

PROJECT: Washington Street Gym HVAC Improvements

FOR: Macomb CUSD No. 185
323 W. Washington Street
Macomb, IL 61455

A/E PROJECT NO: 2547 0220

ISSUE DATE: August 1, 2022

BID OPENING: Thursday, September 1, 2022, 2:00 p.m., prevailing time
323 W. Washington Street, Macomb, IL 61455

THIS ADDENDUM DOES NOT CHANGE THE BID DATE OR BID TIME.

Upon receipt of this ADDENDUM, insert same into the documents, which were issued to you. Hereafter, said ADDENDUM shall be as much a part of the said documents as though originally set forth therein. THIS ADDENDUM DOES NOT CHANGE THE BID DATE.

1. TO THE SPECIFICATIONS; Section 23 0700, and The Drawings: Thermaduct on exterior of building, surfaces that show to view shall be painted to match building. Paint system for PVC surface shall be as recommended by paint manufacturer including a bonding primer and two (2) coats of acrylic vinyl paint. Provide additional coats as needed for uniform coverage and color match.
2. TO THE DRAWINGS; Equipment area at Northeast corner along Washington Street, see attached revised drawing
 - a. Remove brick planter box, patch and repair intersecting exposed surface as needed.

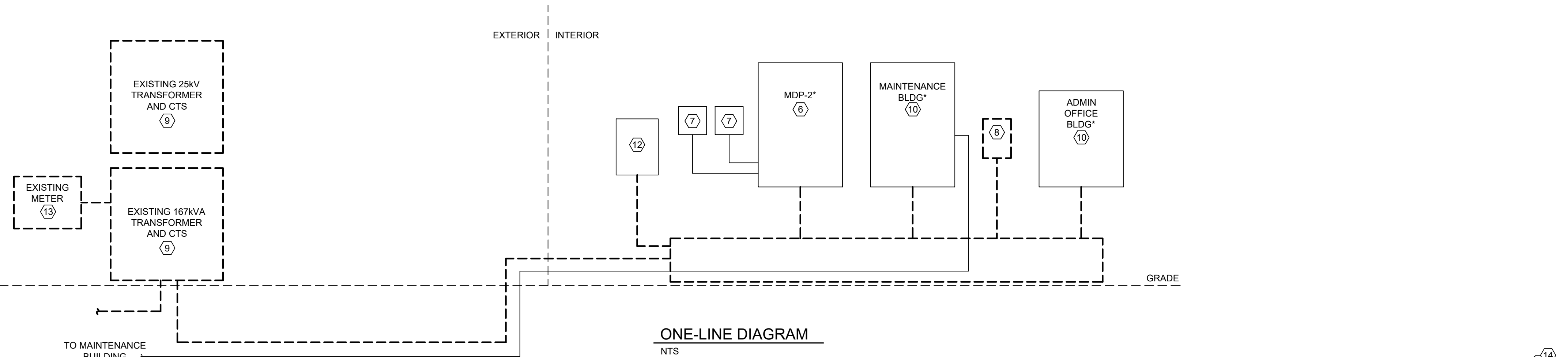


- b. Regrade surface, slope up uniformly to slab following adjacent ramp.
- c. Bury short offset 4" PVC downspout line.

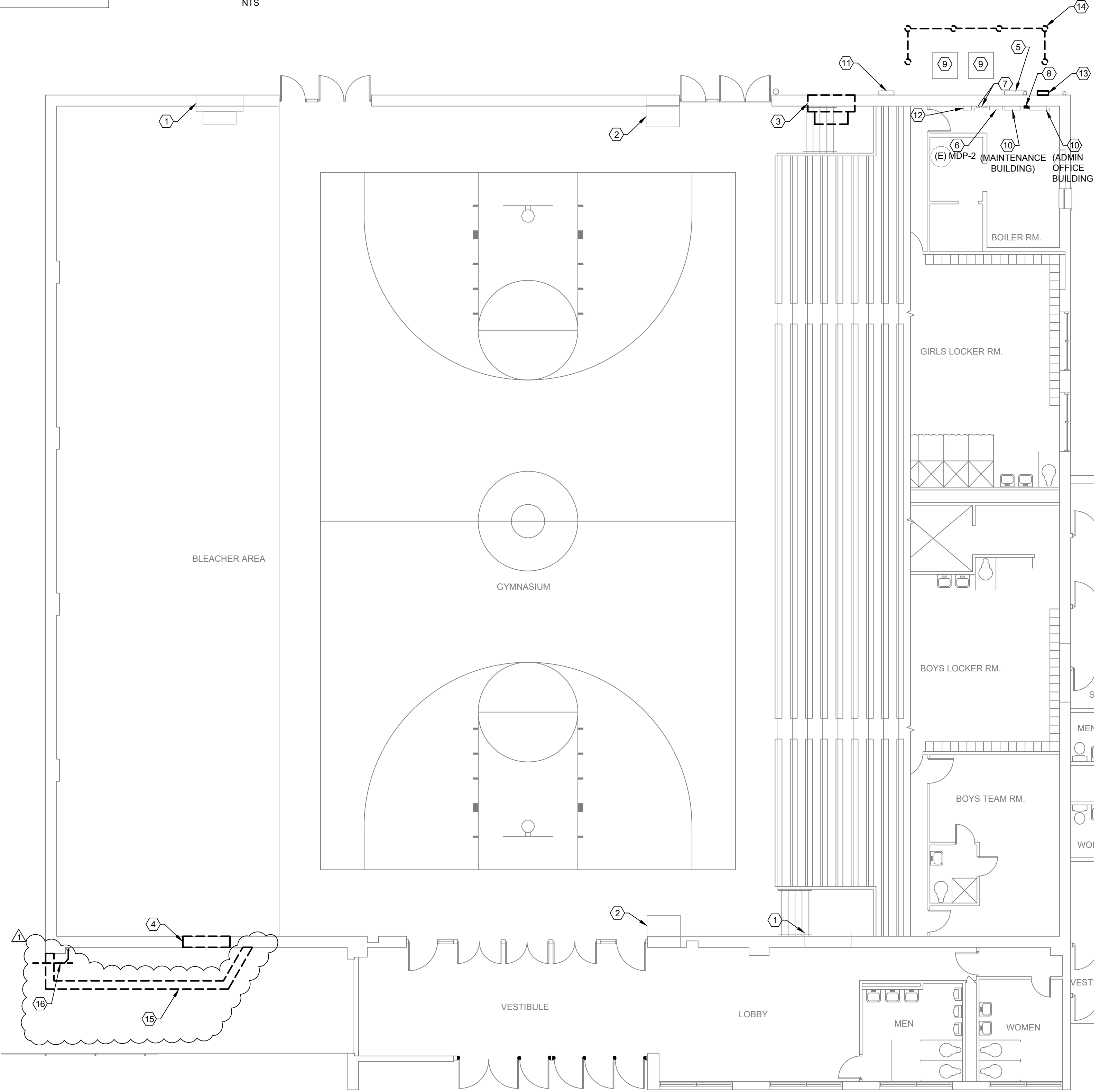
- d. Adjust fence layout shown on revised drawing. Fence will require sleeves or coring concrete.
 - e. Extend slab 6" beyond fence on east edge.
 - f. Provide 12" x 6" minimum drop apron along slab east edge to grade up to.
3. TO THE DRAWINGS; Sheet M101, Note 16, two locations: Provide wire guard over controls and thermostats.
 4. TO THE DRAWINGS; See attached revised with revisions in bubbles, Sheet D101 and M101

Attachment: Drawings D101 and M101

END ADDENDUM NO. 1



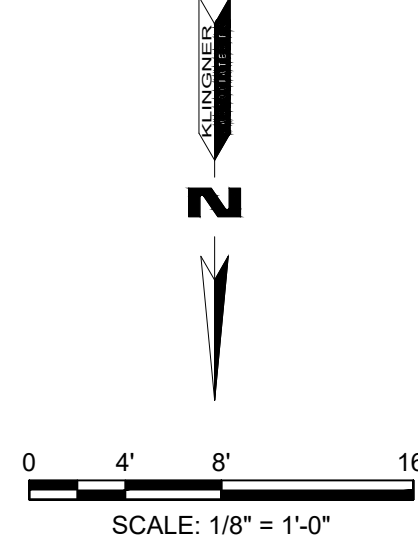
EXISTING ELECTRICAL ELEVATION
NO SCALE



MECHANICAL & ELECTRICAL DEMOLITION PLAN
1/8" = 1'-0"

MECH / ELEC KEY NOTES (AS NOTED ON THIS SHEET)

- 1 EXISTING VENTILATION EXHAUST FAN AND ASSOCIATED INTAKE LOUVER DAMPER TO REMAIN.
- 2 EXISTING HEATING ONLY AHU TO REMAIN.
- 3 EXISTING VENTILATION EXHAUST FAN TO BE REMOVED. PREPARE FOR NEW WORK. ELECTRICAL CONTRACTOR TO DISCONNECT FAN AND REMOVE CONDUIT / WIRING.
- 4 EXISTING INTAKE LOUVER TO BE REMOVED. PREPARE FOR NEW WORK.
- 5 EXISTING GAS METER. PREPARE FOR NEW TIE-IN LOCATIONS.
- 6 EXISTING ELECTRICAL PANEL TO REMAIN. FEEDERS TO PANEL TO BE REMOVED. PREPARE FOR NEW WORK.
- 7 EXISTING FUSED DISCONNECT SWITCH TO REMAIN.
- 8 REMOVE EXISTING FUSED SERVICE DISCONNECT SWITCH AND ASSOCIATED SYSTEM IN ITS ENTIRETY.
- 9 EXISTING TRANSFORMER TO REMAIN UNTIL NEW SERVICE IS INSTALLED. COORDINATE STAGING OF NEW WORK WITH AMEREN AND OWNER TO MINIMIZE DOWNTIME.
- 10 EXISTING FUSED DISCONNECT SWITCH TO REMAIN. FEEDERS SERVING DISCONNECT SWITCH TO BE REMOVED. PREPARE FOR NEW WORK.
- 11 EXISTING DEMARCATION PANEL(S) TO REMAIN.
- 12 EXISTING DISCONNECT SWITCH SERVING WATER HEATER TO BE REMOVED. PREPARE FOR NEW WORK.
- 13 EXISTING ELECTRICAL METER TO BE REMAIN. COORDINATE STAGING OF NEW WORK WITH AMEREN AND OWNER TO MINIMIZE DOWNTIME.
- 14 REMOVE EXISTING BOLLARD SYSTEM TO PREPARE FOR NEW ELECTRICAL AND HVAC WORK. PROVIDE TEMPORARY VEHICLE PROTECTION UNTIL NEW BOLLARD SYSTEM IS INSTALLED.
- 15 REMOVE PLANTER RETAINING WALL IN ITS ENTIRETY. SAWCUT BRICK WHERE IT INTERSECTS EXISTING BUILDING TO MAKE FLUSH WITH EXISTING WALL. TUCKPOINT AS REQUIRED.
- 16 REMOVE PORTION OF STORM PIPING TO ALLOW FOR REMOVAL OF PLANTER RETAINING WALL. SEE RENO PLAN.



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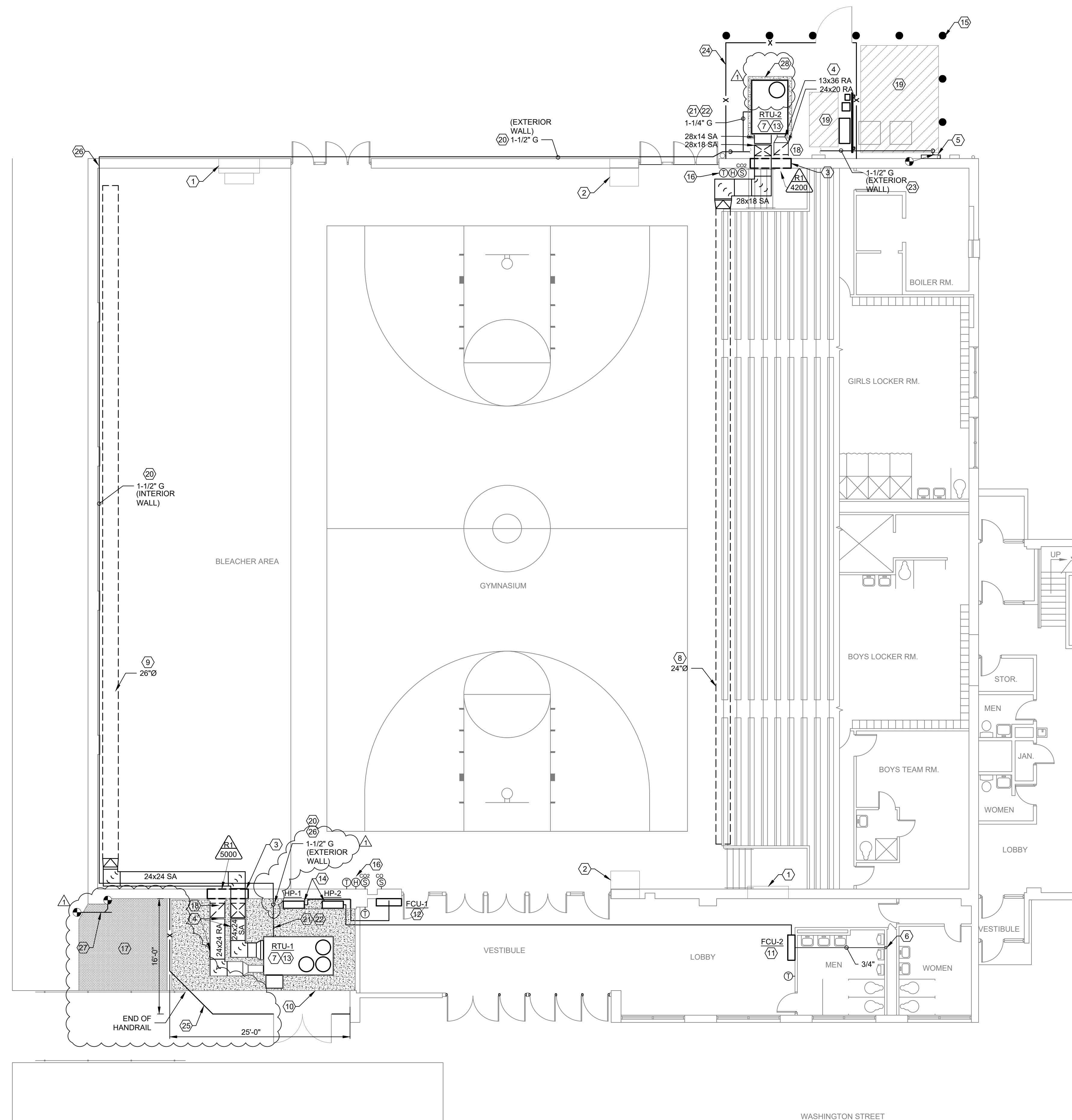
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REVISION HISTORY			
NO.	DESCRIPTION	DATE	APPN.
1	ADDENDUM 1	08/22/2022	SFD

HVAC & ELECTRICAL IMPROVEMENTS
TO WASHINGTON ST. GYM
MACOMB CUSD 185
MACOMB, IL 61455

Non-Reduced Sheet Size: 24" x 36"
Full sized plans have been prepared using standard scales. Reduced size plans may not conform to standard scales.

DESIGNED SFD	DRAWN APW
FIELD	FIELD BOOK
CHECKED SFD	CHECK DATE 07/29/2022
SHEET TITLE MECHANICAL & ELECTRICAL DEMOLITION PLAN	
PROJECT NO. 21-0155	
DRAWING ISSUED DATE: 08/01/2022	
SHEET D101	



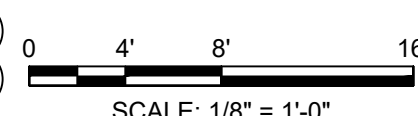
MECHANICAL PLAN
1/8" = 1'-0"

MECHANICAL NOTES:

1. APPLICABLE STANDARDS: NFPA 90A, NFPA 90B, SMACNA, ASHRAE, AND ALL OTHER STATE AND LOCAL CODES. DEVICES, APPARATUS, SYSTEMS, AND INSTALLATIONS SHALL BE ENTIRELY SUITABLE AND SAFE FOR EACH INTENDED APPLICATION AND BE IN FULL COMPLIANCE WITH APPLICABLE STANDARDS, REQUIREMENTS, RULES, REGULATIONS, CODES, STATUTES, ORDINANCES, ETC. OF MUNICIPAL, COUNTY, AND STATE GOVERNMENTS, OWNER'S INSURANCE COMPANY, LOCAL UTILITIES, AND LABOR REGULATIONS. ALL MECHANICAL INSTALLATIONS SHALL ALSO COMPLY WITH THE MANUFACTURER'S RECOMMENDATIONS/INSTRUCTIONS.
2. LOW PRESSURE DUCTWORK SHALL COMPLY WITH THE LATEST APPLICABLE SHEET METAL AND AIR CONDITIONING CONTRACTORS ASSOCIATION (SMACNA) STANDARDS AND RECOMMENDATIONS.
3. RECTANGULAR DUCTS, TURNING VANES AND VOLUME DAMPERS SHALL BE GALVANIZED STEEL METAL INDOORS UNLESS NOTED OTHERWISE.
4. INSTALL TEST HOLES IN LOCATIONS REQUIRED FOR AIR BALANCING.
5. ALL JOINTS AND SEAMS SHALL BE SEALED WITH TAPE AND MASTIC.
6. INSTALLATION OF MECHANICAL DEVICES SHALL BE COORDINATED WITH THE BUILDING STRUCTURE, LIGHTING FIXTURES, PIPING, CONDUIT, S.A.T. CEILING AND OTHER TRADES AS NECESSARY.
7. FINISHES: FURNISH ALL SUPPLY, RETURN, AND EXHAUST AIR DIFFUSERS, LOUVERS, AND GRILLES WITH PRIME COATED AND WHITE BAKED ENAMEL FINISH COAT, UNLESS SPECIFIED OTHERWISE.
8. MECHANICAL EQUIPMENT SUCH AS RTUs, ETC. SHALL BE FURNISHED AS INDICATED IN EQUIPMENT SCHEDULES.
9. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MECHANICAL WIRING, INCLUDING CONTROLS FOR STATS, RTUs, DAMPERS, ETC.
10. UPON COMPLETION OF CONSTRUCTION, REPLACE ALL FILTERS.
11. ALL 90 DEGREE BENDS IN AIR DUCTS SHALL HAVE TURNING VANES. VANES SHALL BE DOUBLE THICKNESS WITH RADIUS 2'-25" AND SPACING 2'-4".
12. ALL MAIN AND BRANCH DUCTS SHALL BE RECTANGULAR GALV. STEEL SIZED AS NOTED ON THE PLANS. SIZE SHALL REFER TO UNOBSTRUCTED INTERNAL AIRFLOW AREA.
13. A FLEXIBLE CONNECTION BETWEEN MECHANICAL UNITS AND BOTH SUPPLY AND RETURN AIR DUCTWORK IS REQUIRED FOR VIBRATION ISOLATION AND NOISE REDUCTION.
14. TESTING AND BALANCING SHALL BE PERFORMED BY AN INDEPENDENT TAB CONTRACTOR WITH AT LEAST FIVE YEARS OF EXPERIENCE AND UNDER THE SUPERVISION OF A LICENSED ENGINEER.
15. HVAC CONTROL CONTRACTOR FOR SCHOOL DISTRICT IS ECSI. CONTACT IS JOHN EVANS AT JEVANS@ECSI-ALC.COM.

MECHANICAL KEY NOTES (AS NOTED ON THIS SHEET)

1. EXISTING VENTILATION EXHAUST FAN AND ASSOCIATED INTAKE LOUVER DAMPER TO REMAIN.
2. EXISTING HEATING ONLY AHU TO REMAIN.
3. NEW SUPPLY AND RETURN DUCTWORK TO UTILIZE EXTERIOR WALL OPENING WHERE LOUVER WAS REMOVED. PROVIDE WEATHERPROOF PRE-INSULATED METAL PANEL SYSTEM TO INTEGRATE NEW SUPPLY AND RETURN DUCTWORK.
4. EXTERIOR DUCTWORK TO BE THERMADUCT OR EQUAL. DUCT TO BE ANCHORED TO UNISTRUT FLOOR AND WALL SUPPORT SYSTEM. PAINT VERTICAL PORTION OF DUCTWORK TO MATCH EXISTING WALL.
5. EXISTING GAS METER (7" W.C. DELIVERY PRESSURE).
6. PROVIDE HUB DRAIN PER CONDENSATE WET VENT DETAIL ON M501.
7. INSTALL RTU ON CURB ANCHORED TO GRADE.
8. INSTALL DUCTSOX FABRIC DUCTWORK SYSTEM ALONG EXISTING TIE-ROD SUPPORT. PROVIDE STANDARD LINEAR VENT PERFORATIONS TO PROVIDE UNIFORM 4200 CFM THROUGH LENGTH OF DUCTWORK. PROVIDE ORANGE FABRIC DUCTWORK.
9. INSTALL DUCTSOX FABRIC DUCTWORK SYSTEM TO WALL ANCHORS. PROVIDE STANDARD LINEAR VENT PERFORATIONS TO PROVIDE UNIFORM 5000 CFM THROUGH LENGTH OF DUCTWORK. PROVIDE ORANGE FABRIC DUCTWORK.
10. EXTEND CONCRETE PAD WITHIN AREA SHOWN HATCHED. PROVIDE 4" THICK CONCRETE SLAB WITH #4S @ 18" O.C., E.W. CENTERED IN SLAB, ON 6" COMPACTED AGGREGATE. PROVIDE 12" THICKENED EDGE.
11. INSTALL FAN COIL UNIT AS HIGH AS POSSIBLE ON WALL. ROUTE CONDENSATE PIPING TO WET VENT. SEE DETAIL.
12. INSTALL FAN COIL UNIT AS HIGH AS POSSIBLE ON WALL. ROUTE CONDENSATE PIPING TO SPILL ON GRADE.
13. PROVIDE CONDENSATE TRAP PER MANUFACTURERS RECOMMENDATIONS.
14. INSTALL CONDENSING UNIT ON GROUND SUPPORT. RECTORSEAL BIGFOOT, OR EQUAL.
15. PROVIDE BOLLARD AT 6'-0" ON CENTER. SEE DETAIL. COORDINATE PLACEMENT OF BOLLARDS WITH ELECTRICAL CONTRACTOR.
16. PROVIDE NEW SENSORS LOCATED ON EXTERIOR WALL ON AN INSULATED BASE. PROVIDE PROTECTIVE COVER FOR NEW THERMOSTATS.
17. RE-GRADE AND SEED TOPSOIL WHERE GRADE HAS BEEN DISTURBED.
18. TRANSITION AS REQUIRED TO RETURN AIR GRILLE. ALL EXPOSED SURFACES TO EXTERIOR SHALL BE PROVIDED WITH MINIMUM R-19 INSULATED PANELS.
19. MAINTAIN ELECTRICAL EQUIPMENT CLEARANCES. REFER TO ELECTRICAL DRAWINGS.
20. ANCHOR PIPING TO WALL. PAINT TO MATCH EXISTING WALL.
21. ROUTE PIPING ON GROUND MOUNTED SUPPORTS.
22. REFER TO GAS CONNECTION DETAIL ON SHEET M501.
23. COORDINATE COMPLETE ROUTING OF GAS PIPING WITH EXISTING AND NEW SYSTEMS.
24. 6' HIGH NOMINAL 16" X 18" ENCLOSURE CHAIN LINK FENCE 5' SINGLE GATE. VERIFY GATE LOCATION WITH SERVICE SIDE OF UNIT.
25. 6' HIGH NOMINAL 16" X 25'-0" ENCLOSURE, 8' DOUBLE GATE, BLACK VINYL COVER, BLACK VISION SLATS.
26. GAS PIPING THROUGH EXISTING EXTERIOR WALL.
27. EXTEND VERTICAL STORM PIPING AND CONNECT TO EXISTING PIPING BELOW GRADE.
28. SAW CUT PAVEMENT TO PREPARE FOR NEW ELEVATED PAD. PROVIDE CONCRETE PAD UNDER RTU-2. PROVIDE 4" THICK CONCRETE SLAB WITH #4S @ 18" O.C., E.W. CENTERED IN SLAB, ON 6" COMPACTED AGGREGATE. PROVIDE 12" THICKENED EDGE.



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