Z:\-Project Directories\6200-6299\6277 - Republic Wire\-Construction Documents\6277-M1-0-MECHANICAL-FLOOR-PLAN.dwg-EBS, Plot Date/Time: May 25, 2017-1:54pm - By: kelly.obrien
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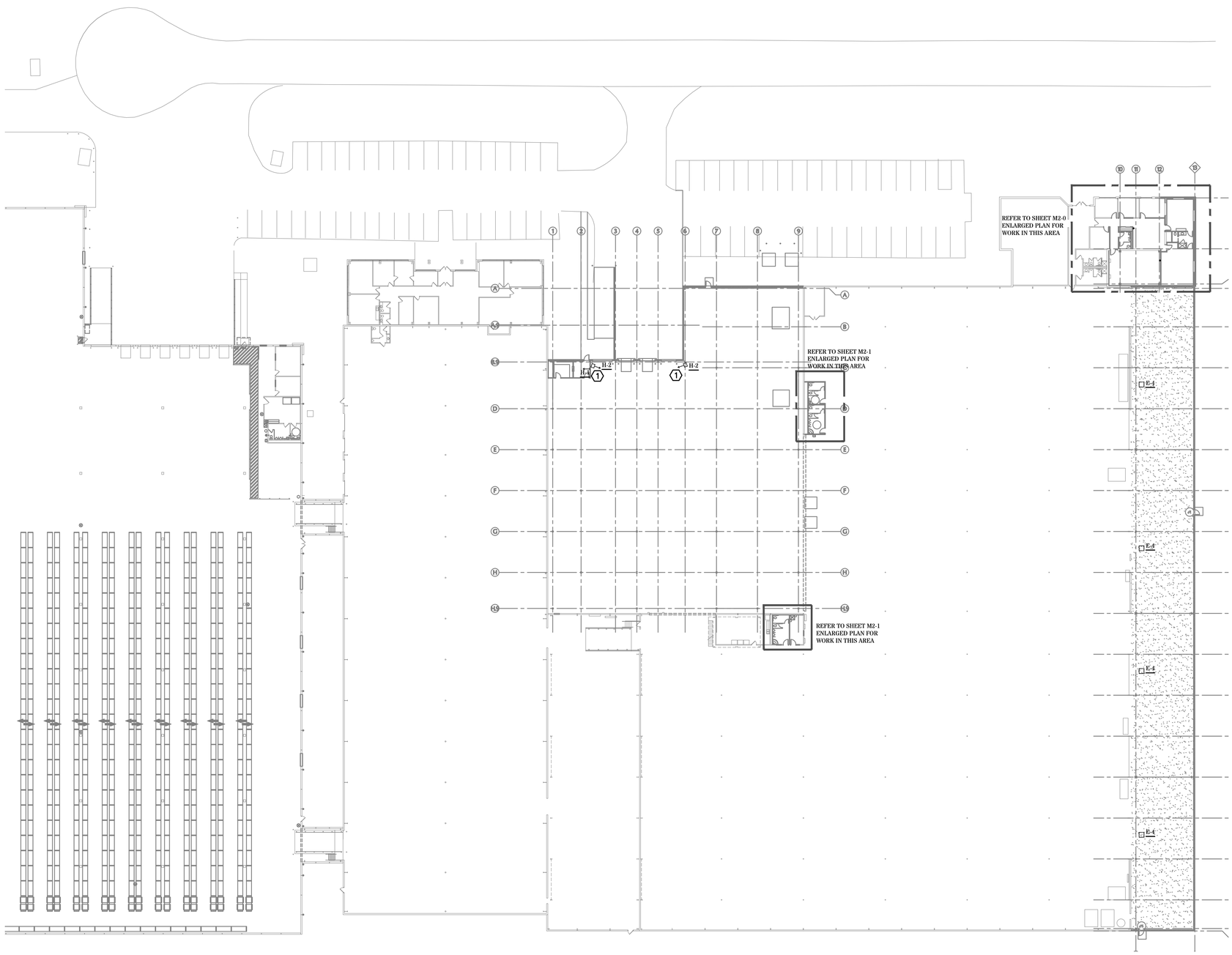



## MECHANICAL OVERALL PLAN

SCALE: 1/32" = 1'-0"

## GENERAL NOTES

A. FOR EQUIPMENT, LOAD, AND VENTILATION SCHEDULES & COMPLETE LISTING SEE DETAIL SHEET.

B. COORDINATE ROUTING OF ALL WORK WITH OTHER TRADES.

C. COORDINATE WITH ELECTRICAL CONTRACTOR FOR POWER CONNECTIONS TO ALL MECHANICAL EQUIPMENT.

D. INSTALL ALL EQUIPMENT PER MANUFACTURER'S REQUIREMENTS. MAINTAIN ALL CODE RECOMMENDED CLEARANCES FOR ACCESS AND MAINTENANCE.

E. REFER TO ARCHITECTURAL PLANS FOR DIMENSIONS, AND FINAL CEILING DIFFUSER LOCATIONS.

F. FOR FULL SCHEDULES, SPECIFICATIONS, AND COMPLETE LISTING SEE DETAIL SHEETS.

E. PROVIDE ALL NECESSARY MODIFICATIONS TO CONTROL WIRING, ETC. TO RELOCATE EXISTING MECHANICAL EQUIPMENT TO NEW LOCATIONS SHOWN.

F. MAINTAIN ALL CODE REQUIRED SERVICE CLEARANCES. FOLLOW CLEARANCE TO COMBUSTIBLE DISTANCE PER MANUFACTURER'S INSTRUCTIONS.

G. PROVIDE BACKDRAFT DAMPERS FOR ALL EXHAUST SYSTEMS AND EITHER LOUVER, BRICK VENT, OR CAPS AT ALL EXTERIOR BUILDING PENETRATIONS.

H. ROUTE ALL AIR CONDITIONER CONDENSATE TO NEARBY FLOOR DRAIN. PROVIDE MINIMUM SLOPE OF 1/8 " PER FOOT. SIZE CONDENSATE PER SECTION 307.2.2 OF THE OHIO MECHANICAL CODE.

## KEYED SHEET NOTES

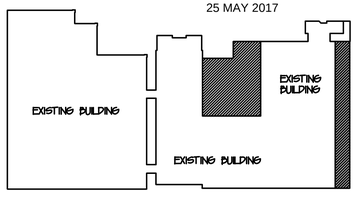
1. EXTEND FLUE/COMBUSTION PIPING UP THROUGH ROOF.
2. DUCT EXHAUST UP THROUGH ROOF WITH RAIN-PROOF CAP.
3. THE FIRE ALARM CONTRACTOR SHALL FURNISH, MECHANICAL CONTRACTOR SHALL INSTALL, AND FIRE ALARM CONTRACTOR SHALL WIRE AN ADDRESSABLE DUCT SMOKE DETECTOR IN RETURN AIR DUCT CONNECTED TO FIRE ALARM SYSTEM THAT WILL SHUT DOWN THE UNIT UPON DETECTION OF SMOKE.
4. PROVIDE 1" INTERNALLY LINED RETURN DUCT FOR SOUND REDUCTION.
5. EXISTING ROOF TOP UNIT TO REMAIN.
6. RELOCATE THERMOSTAT TO NEW LOCATION SHOWN. PROVIDE ADDITIONAL CONTROL WIRING AS NECESSARY.
7. NEW LOCATION FOR EXISTING DIFFUSER. CLEAN DIFFUSER TO LIKE NEW CONDITION BEFORE REINSTALLATION IN NEW LOCATION. REWORK EXISTING SUPPLY DUCTWORK TO ACCOMMODATE NEW DIFFUSER LOCATION.
8. RELOCATE EXISTING RETURN GRATE, CLEAN TO LIKE NEW CONDITION BEFORE REINSTALLATION IN NEW LOCATION.
9. CONNECT TO EXISTING SUPPLY MAIN.
10. EXISTING EXHAUST FAN TO REMAIN.
11. UNDERCUT DOOR 1" FOR MAKE UP AIR.
12. REWORK EXISTING DIFFUSER LOCATIONS TO ACCOMMODATE NEW CEILING LAYOUT. REMOVE EXISTING AIR DEVICES, CLEAN, AND REINSTALL. COORDINATE FINAL LOCATIONS WITH ARCHITECTURAL SHEETS. OCCUPANCY AND SPACE USAGE TO REMAIN THE SAME.

## SYMBOLS LEGEND – HVAC

| | |
|---|---|
| T | THERMOSTAT |
| L | LINE VOLTAGE THERMOSTAT |
| R | REMOTE SENSOR |
| | CEILING DIFFUSER |
| | SIDE WALL GRILL |
| | RETURN WALL GRILL |
| | AIR FLOW DIRECTION |
| 14x10 | DUCTWORK |
| 14x10 | LINED DUCTWORK |
| | TYPICAL SUPPLY DUCT DN |
| | TYPICAL RETURN DUCT DN |
| | TURNING VANES |
| | FLEXIBLE DUCT, 8'-0" LONG MAX. |
| | TYPICAL ROUND DUCT DN |
| | ROUND DUCT UP |
| DS | DUCT SMOKE DETECTOR |
| FD | 1.5 HR FIRE DAMPER |
| | MVD MANUAL VOLUME DAMPER |
| MOD | MOD MOTOR OPERATED DAMPER |
| ANN | ANNUNCIATER PANEL |
| | DROPPED CEILING/SOFFIT |
| | DUCT CONTINUATION |
| COND | CONDENSATE PIPING |

STATE OF OHIO
SCOTT SEVERT STILKEY
E-77755
REGISTERED PROFESSIONAL ENGINEER

25 MAY 2017

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| Checked by | SSS | | |

| Issue/ Revision | Revision Number | Date |
|---|---|---|
| BID / PERMIT | | 05/25/17 |

PR-06164
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# RENOVATIONS AND ADDITIONS FOR *Republic Wire*

UNION CENTRE DRIVE
WEST CHESTER, OHIO 45069

Sheet Title
MECHANICAL PLANS

| | |
|---|---|
| Project No. | 97333.33 |
| Scale | AS NOTED |
| Sheet No. | M1.0 |