Sheet Notes:
1. Verify existing conditions in field, including but not limited to dimensions, wall construction, and concealed structure.
2. Notify owner and architect immediately if conditions do not match what is indicated on documents.
3. For mechanical demolition work and new work, refer to mechanical drawings.
4. As required, patch, repair, and/or paint or replace adjacent surfaces to match original conditions where proposed architecture and mechanical equipment disturbed existing conditions.
5. All spaces are to be cleaned and any damage caused by the contractor is to be patched, repaired, and/or painted to match original conditions once work is completed.
6. Refer to Sheet J-1 for phasing of construction.

Demolition Keyed Notes:
- Mechanical equipment to be removed, refer to mech.
- Remove existing insulated metal panel wall assembly as required for installation of new mechanical equipment, refer to mech.

New Work Keyed Notes:
- New mechanical equipment, verify exact size and location with mech., refer to mech.
- New concrete equipment pad, verify exact size and location with mech., refer to mech.
- New insulated metal panel wall system to match existing.
### Statement of Special Inspections

#### Special Inspection Requirements - Open Web Steel Jobs and Job Orders

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#### Special Inspection Requirements - Structural Steel

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#### Special Inspection Requirements - Structural Steel Cont.

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**Wayne State University**

**Facilities Planning & Management**

**Design Services**

8448 Casa Ave., Detroit, MI 48222

**DiClemente Siegel Design Inc.**

Engineering & Architecture
DEMOLITION HOOKED NOTES:

DISCONNECT AND REMOVE AIR HANDLING UNIT AND ASSOCIATED COILS, DAMPERS, FANS AND CONTROLS. SUPPLY AND RETURN AIR DUCTWORK TO REMAIN FOR REUSE.

DISCONNECT AND REMOVE INLINE RETURN AIR FAN AND ASSOCIATED CONTROLS.

DISCONNECT AND REMOVE WALL LOUVER, MOTORIZED DAMPER AND ACTUATOR ASSEMBLIES AS PART OF EXTERIOR WALL DEMOLITION. STORE ASSEMBLIES FOR FUTURE REINSTALLATION. COORDINATE WITH ARCHITECTURAL TRADES.

DISCONNECT REMOVE AND STORE INSULATED PANEL CONSTRUCTION AT OUTDOOR AIR PLENUM AS REQUIRED FOR INSTALLATION OF SUPPLY AIR DUCT FROM TEMPORARY AHU TO BE MOUNTED AT GRADE.

DISCONNECT AND REMOVE RETURN AIR PLENUM BETWEEN AHU-1 AND AHU-2 IN PHASES. AREA OF ROOF OPENING REQUIRED FOR UNIT REPLACEMENT. COORDINATE WITH ARCHITECTURAL AND STRUCTURAL TRADES.

DISCONNECT SUPPLY AIR DUCT CONNECTION TO AHU TO FACILITATE UNIT REPLACEMENT.

DISCONNECT RETURN AIR DUCT CONNECTION TO AHU TO FACILITATE UNIT REPLACEMENT.

DISCONNECT OUTSIDE AIR INTAKE CONNECTION AND ASSOCIATED DAMPER TO OUTSIDE AIR PLENUM TO FACILITATE AHU REPLACEMENT.

DISCONNECT AND REMOVE INLINE EXHAUST FAN AND ASSOCIATED DUCTWORK AND CONTROLS.

DISCONNECT AND REMOVE EXHAUST STACK CONNECTION UP THROUGH ROOF. COORDINATE SEALING OF THROUGH ROOF PENETRATION WITH ARCHITECTURAL TRADES.

DISCONNECT AND REMOVE AIR INTAKE DUCTWORK UP TO ROOF MOUNTED INTAKE HOOD. COORDINATE SEALING ON THROUGH ROOF PENETRATION WITH ARCHITECTURAL TRADES.

DISCONNECT AND REMOVE EXHAUST DUCTWORK AS INDICATED,
NEW WORK KEYED NOTES:

APPLICABLE THIS SHEET ONLY

PROVIDE NEW AIR HANDLING UNIT AND ASSOCIATED
COILS, DAMPERS, FANS AND CONTROLS AS SPECIFIED.

REFER TO PROPOSED CONSTRUCTION PHASING NOTES
ON DRAWING G-1.

TEMPORARY RETURN AIR CONNECTION BETWEEN RF-1
AND AHU-2.

TEMPORARY RETURN AIR DUCT CONNECTION BETWEEN
RF-2 AND AHU-1.

TEMPORARY SUPPLY AIR DUCT CONNECTION FROM
GRADE MOUNTED AHU TO AHU-3 SUPPLY AIR
DISTRIBUTION SYSTEM.

CONNECT AND EXTEND SUPPLY AIR DISCHARGE FROM
AHU AND RECONNECT WITH EXISTING AIR DISTRIBUTION
SYSTEM. PROVIDE MOTORIZED ISOLATION DAMPER IN
DUCT TO PREVENT BACKDRAFTS WHEN AHU-1 IS OFFLINE.

CONNECT AND EXTEND SUPPLY AIR DISCHARGE WITH
EXISTING AIR DISTRIBUTION SYSTEM.

RECONNECT AND EXTEND RETURN AIR DUCTWORK FROM
RETURN FAN TO AHU.

EXTEND RETURN AIR DUCTWORK FROM AHU UP HIGH
NEAR CEILING TO ACCOMMODATE TEMPORARY AND FINAL
RETURN AIR DUCT CONNECTIONS.

CONNECT INTAKE AIR OPENING FROM NEW AHU TO
EXISTING OUTDOOR AIR PLENUM.

COORDINATE WITH ARCHITECTURAL TRADES FOR
REINSTALLATION OF EXISTING WALL LOUVER AND
ASSOCIATED MOTORIZED DAMPER. RECONNECT DAMPER
CONTROLS.

COORDINATE REINSTALLATION OF AIR PLENUM
INSULATED WALL PANELS WITH ARCHITECTURAL TRADES.
DEMOLITION KEYED NOTES:
(APPLICABLE THIS SHEET ONLY)
DISCONNECT AND REMOVE AIR HANDLING UNIT AND ASSOCIATED COILS, DAMPERS, FANS AND CONTROLS. LPS AND LPC PIPING TO REMAIN FOR REUSE. REFER TO PROPOSED CONSTRUCTION PHASING NOTES ON DRAWING G-1.
DISCONNECT AND REMOVE STEAM HEATING COIL AND ASSOCIATED LPS PIPING, VALVES AND FITTINGS FROM COIL CONNECTION BACK TO LPS 4" ISOLATION VALVE.
DISCONNECT AND REMOVE LPC PIPING FROM HEATING COIL AND HUMIDIFIER CONNECTIONS BACK TO THROUGH FLOOR PENETRATION.
DISCONNECT AND REMOVE HUMIDIFIER AND ASSOCIATED PIPING, FITTINGS AND VALVES BACK TO LPS 2" ISOLATION VALVE NEAR 4" LPS BRANCH LINE AND TO LPC THROUGH FLOOR PENETRATION. FOR AHU-1 AND AHU-2 MODIFY LOCATION OF LPC THROUGH FLOOR PENETRATION AS REQUIRED TO ACCOMMODATE ENLARGED HOUSEKEEPING PAD.
DISCONNECT AND REMOVE CHWR AND CHWR PIPING AND FITTINGS FROM CONNECTION AT AHU TO HIGH ABOVE AHU. RECLAIM REFRIGERANT PER EPA STANDARDS.
DISCONNECT AND REMOVE HYDRONIC PIPING CONNECTIONS TO AHU-3 ENERGY RECOVERY COIL AS REQUIRED TO ACCOMMODATE UNIT REMOVAL AND REPLACEMENT.
DISCONNECT AND REMOVE DRAIN PIPING AND ASSOCIATED TRAP AND FITTINGS FROM COIL DRAIN PAN TO INDIRECT DISCHARGE AT FLOOR DRAIN. EXISTING FLOOR DRAIN TO REMAIN.

NEW WORK KEYED NOTES:
(APPLICABLE THIS SHEET ONLY)
PROVIDE NEW AIR HANDLING UNIT AND ASSOCIATED COILS, DAMPERS, FANS AND CONTROLS AS SPECIFIED. REFER TO PROPOSED CONSTRUCTION PHASING NOTES ON DRAWING G-1.
RECONNECT AND EXTEND 4" LPS PIPING TO AHU STEAM HEATING COIL. PROVIDE ASSOCIATED VALVES AND FITTINGS. REFER TO STEAM HEATING COIL PIPING DETAIL.
RECONNECT AND EXTEND LPC FROM THROUGH FLOOR PENETRATION TO AHU HEATING COIL AND HUMIDIFIER.. REFER TO STEAM HEATING COIL PIPING DETAIL AND TO HUMIDIFIER PIPING DETAIL.
RECONNECT AND EXTEND 2" LPS PIPING TO AHU STEAM HUMIDIFIER. PROVIDE ASSOCIATED VALVES AND FITTINGS. REFER TO STEAM HEATING COIL PIPING DETAIL.
RECONNECT AND EXTEND CHWS AND CHWR PIPING TO AHU CHILLED WATER COIL. PROVIDE ASSOCIATED VALVES AND FITTINGS. REFER TO CHILLED WATER COIL PIPING DETAIL.
RECONNECT AND EXTEND HHWS AND HHWR PIPING TO AHU HYDRONIC HOT WATER HEATING COIL. PROVIDE ASSOCIATED VALVES AND FITTINGS. REFER TO HYDRONIC HOT WATER COIL PIPING DETAIL.
PROVIDE DRAIN PIPING AND ASSOCIATED TRAP AND FITTINGS FROM AHU COIL DRAIN PAN TO EXISTING FLOOR DRAIN AND INDIRECTLY WASTE TO FLOOR DRAIN.
DEMOLITION KEYED NOTES:
[APPENDIX THIS SHEET ONLY]
DISCONNECT AND REMOVE EXHAUST STACK.
COORDINATE ROOF REPAIRS WITH ARCHITECTURAL TRADES.
DISCONNECT AND REMOVE INTAKE AIR HOOD AND ASSOCIATED DUCTWORK, COORDINATE ROOFING MODIFICATIONS WITH ARCHITECTURAL AND STRUCTURAL TRADES.

NEW WORK KEYED NOTES:
[APPENDIX THIS SHEET ONLY]
PROVIDE PLUME STYLE EXHAUST FANS EF-3A AND EF-3B MOUNTED ON DUAL INTAKE PLENUM AND ROOF CURB. MODIFY EXISTING THROUGH ROOF OPENING TO ACCOMMODATE NEW EXHAUST FAN(S). COORDINATE WITH ARCHITECTURAL AND STRUCTURAL TRADES.
PROVIDE PLUME STYLE EXHAUST FANS EF-4A AND EF-4B MOUNTED ON DUAL INTAKE PLENUM AND ROOF CURB. PROVIDE NEW THROUGH ROOF OPENING TO ACCOMMODATE NEW ROOF MOUNTED EXHAUST FANS. COORDINATE WITH ARCHITECTURAL AND STRUCTURAL TRADES.
PROVIDE 26x16 RETURN AIR DUCT, 26x14 EXHAUST AIR DUCT AND ASSOCIATED FIRE DAMPER AT THROUGH FLOOR PENETRATION TO SECOND FLOOR IN LOCATION OF PREVIOUSLY REMOVED DUCTWORK. PROVIDE TRANSITION IN SHAFT TO CONNECT 26x14 EXHAUST DUCT TO EXISTING 24x16 EXHAUST DUCT DOWN TO BASEMENT. REFER TO SHAFT 4 RISER DIAGRAM. TRANSITION AS INDICATED AND RECONNECT RETURN AIR CONNECTION THROUGH WALL TO FLOOR. PROVIDE FIRE DAMPER AT SHAFT WALL PENETRATION.

RECONNECT RETURN AIR DUCTWORK TO EXISTING RETURN AIR DUCT.

RECONNECT RETURN AIR BRANCH DUCTWORK TO MODIFIED RETURN AIR MAIN DUCT.

PROVIDE 26x22 RETURN AIR DUCT UP TO THIRD FLOOR, 26x22 RETURN AIR TO FIRST FLOOR AND 26x14 EXHAUST AIR BETWEEN FIRST AND THIRD FLOOR ALONG WITH ASSOCIATED FIRE DAMPERS AS INDICATED IN LOCATION OF PREVIOUSLY REMOVED DUCTWORK. REFER TO SHAFT 4 RISER DIAGRAM.

PROVIDE 26x22 RETURN AIR DUCT AND 26X14 EXHAUST AIR IN SHAFT DOWN TO SECOND FLOOR ALONG WITH ASSOCIATED FIRE DAMPERS AS INDICATED IN LOCATION OF PREVIOUSLY REMOVED DUCTWORK. REFER TO SHAFT 4 RISER DIAGRAM.

PROVIDE ROOF MOUNTED EXHAUST FAN EF-20 ON ROOF ABOVE FOR BASEMENT GENERAL EXHAUST.

PROVIDE GYPSUM SHAFT WALL ASSEMBLY (2 HOUR RATING) TO MATCH EXISTING ADJACENT CONSTRUCTION. PROVIDE FIRE STOP AT PERIMETER OF DUCT PENETRATIONS TO MAINTAIN FIRE RATING. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
NEW WORK KEYED NOTES:
(APPLICABLE THIS SHEET ONLY)

PROVIDE DEDICATED STAINLESS STEEL EXHAUST DUCT FOR STERILIZER. RECONNECT TO STERILIZER AND EXTEND ACROSS BASEMENT AND UP INTO CHASE IN NORTH EAST CORNER OF BUILDING. PROVIDE DRAINS AT LOW POINTS IN DUCT. ROUTE DRAINS DOWN TO BELOW COUNTER IN LABS AND DISCHARGE INTO SINK SANITARY DRAINS.

PROVIDE DEDICATED STAINLESS STEEL EXHAUST DUCT FOR CAGE WASH. RECONNECT TO CAGE WASH AND EXTEND ACROSS BASEMENT AND UP INTO CHASE IN NORTH EAST CORNER OF BUILDING. PROVIDE DRAINS AT LOW POINTS IN DUCT. ROUTE DRAINS DOWN TO BELOW COUNTER IN LABS AND DISCHARGE INTO SINK SANITARY DRAINS.

PROVIDE DEDICATED STAINLESS STEEL EXHAUST DUCT FOR BOTTLE WASH. RECONNECT TO BOTTLE WASH AND EXTEND ACROSS BASEMENT AND UP INTO CHASE IN NORTH EAST CORNER OF BUILDING. PROVIDE DRAINS AT LOW POINTS IN DUCT. ROUTE DRAINS DOWN TO BELOW COUNTER IN LABS AND DISCHARGE INTO SINK SANITARY DRAINS.

PROVIDE NEW BRANCH SUPPLY AIR DUCT CONNECTION FROM MAIN TO EXISTING DIFFUSER, ROUTED SO AS NOT TO INTERFERE WITH NEW BOTTLE WASH EXHAUST DUCT. CAP AND SEAL DUCTWORK AT LOCATION OF REMOVED BRANCH DUCT.

COORDINATE FLOOR CORING WITH ARCHITECTURAL TRADES.

COORDINATE INSTALLATION OF GYPSUM BOARD CEILING (2 LAYERS OF 5/8" GYP. BD.) HUNG ON EXISTING VIBRATION ISOLATORS WITH ARCHITECTURAL TRADES. PROVIDE 2 1/2" SOUND ATTENUATION BLANKET LAID OVER CEILING CONSTRUCTION. PROVIDE ACOUSTICAL SEALANT AND BACKER BOARD AT EXTERIOR WALL. FINISH AND PAINT TO MATCH EXISTING ADJACENT CONSTRUCTION. ELEVATION TO MATCH EXISTING CEILING.

COORDINATE INSTALLATION OF PORTLAND CEMENT PLASTER CEILING WITH ARCHITECTURAL TRADES. PROVIDE 2 1/2" SOUND ATTENUATION BLANKET INSULATION LAID OVER CEILING CONSTRUCTION. PROVIDE ACOUSTICAL SEALANT AND BACKER BOARD AT EXTERIOR WALL. FINISH AND PAINT TO MATCH EXISTING ADJACENT CONSTRUCTION. ELEVATION TO MATCH EXISTING CEILING.

REMOVE FROM STORAGE AND REINSTALL EXISTING DIFFUSERS AND OR GRILLES IN NEW CEILING CONSTRUCTION. BALANCE AIR FLOW TO INDICATED QUANTITIES.

ELECTRICAL CONTRACTOR SHALL RE-INSTALL LIGHTING FIXTURES IN PORTLAND CEMENT PLASTER CEILINGS AND GYPSUM BOARD CEILING ONCE MECHANICAL DUCTWORK HAS BEEN INSTALLED AND CEILING FRAMING IS INSTALLED. VERIFY ALL WORK WITH MECHANICAL TRADES PRIOR TO COMMENCEMENT OF WORK.
### Architectural - Mechanical - Electrical Coordination Schedule

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### Symbol List

- **A**: Air Handling Unit
- **C**: Cooling Tower
- **D**: Ductwork
- **E**: Electrical Panel
- **F**: Fire Sprinklers
- **G**: Generator
- **H**: HVAC System
- **I**: Induction Unit
- **J**: Junction Box
- **K**: Keyboard
- **L**: Lighting Fixture
- **M**: Meter
- **N**: Neutral Wire
- **O**: Oven
- **P**: Panel Board
- **Q**: Quiet Room
- **R**: Refrigerator
- **S**: Switch
- **T**: Transformer
- **U**: Unit Heater
- **V**: Ventilator
- **W**: Water Tank
- **X**: Xray Machine
- **Y**: Utility Pole
- **Z**: Zone Valve

### Electrical Sheet Index

- **A**: Aisle Lights
- **B**: Building Automation
- **C**: Ceiling Fitting
- **D**: Distribution Panel
- **E**: Electrical Panel
- **F**: Emergency Lighting
- **G**: Generator
- **H**: Heating System
- **I**: Induction Unit
- **J**: Junction Box
- **K**: Lighting Fixture
- **L**: Mains Switch
- **M**: Motor
- **N**: Neutral Wire
- **O**: Oven
- **P**: Panel Board
- **Q**: Quiet Room
- **R**: Refrigerator
- **S**: Switch
- **T**: Transformer
- **U**: Unit Heater
- **V**: Ventilator
- **W**: Water Tank
- **X**: Xray Machine
- **Y**: Utility Pole
- **Z**: Zone Valve

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**Partial First Floor Plan - New Work**

- **Scale**: 1/4" = 1'-0"

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**Wayne State University**

**Facilities Planning & Management**

Dearborn, MI 48128

**DiClemente Siegel Design Inc.**

Engineering and Architectural Services

---

**Elliott Building**

**Electrical General Information**

**Scale**: 1/4" = 1'-0"
1. Dedicated neutral conductors shall be considered current-carrying conductors. Homeruns containing more than three current-carrying conductors shall be derated in accordance with the 2014 NEC.

2. Branch circuit homerun conductors shall be sized in accordance with the 2014 NEC. The maximum allowable voltage drop on a feeder is 2% and the maximum allowable voltage drop on a branch circuit is 3% provided branch circuit conductors sized to ensure the total voltage drop from the source to the point of utilization is less than or equal to 5%.

3. Seal all associated penetrations thru fire rated walls with firestop material.

4. Electrical trades shall update existing panelboard directories to reflect revisions/additions to branch circuit wiring in the project area.

5. Seal all penetrations thru fire rated walls with firestop material.

6. Maintain circuit integrity for all devices to remain operational for electrical work in an interior setting.

7. Provide all new panels with UL listed electrical panels for all new electrical wiring.

8. Provide all new panels with UL listed electrical panels for all new electrical wiring.

9. New York State, DEP - 50% full.

10. New York State, DEP - 50% full.

11. New York State, DEP - 50% full.

12. New York State, DEP - 50% full.

13. Fire alarm system is as manufactured by Siemens. Provide all duct smoke detectors, re-programming and re-certification of system as required by the AHJ.