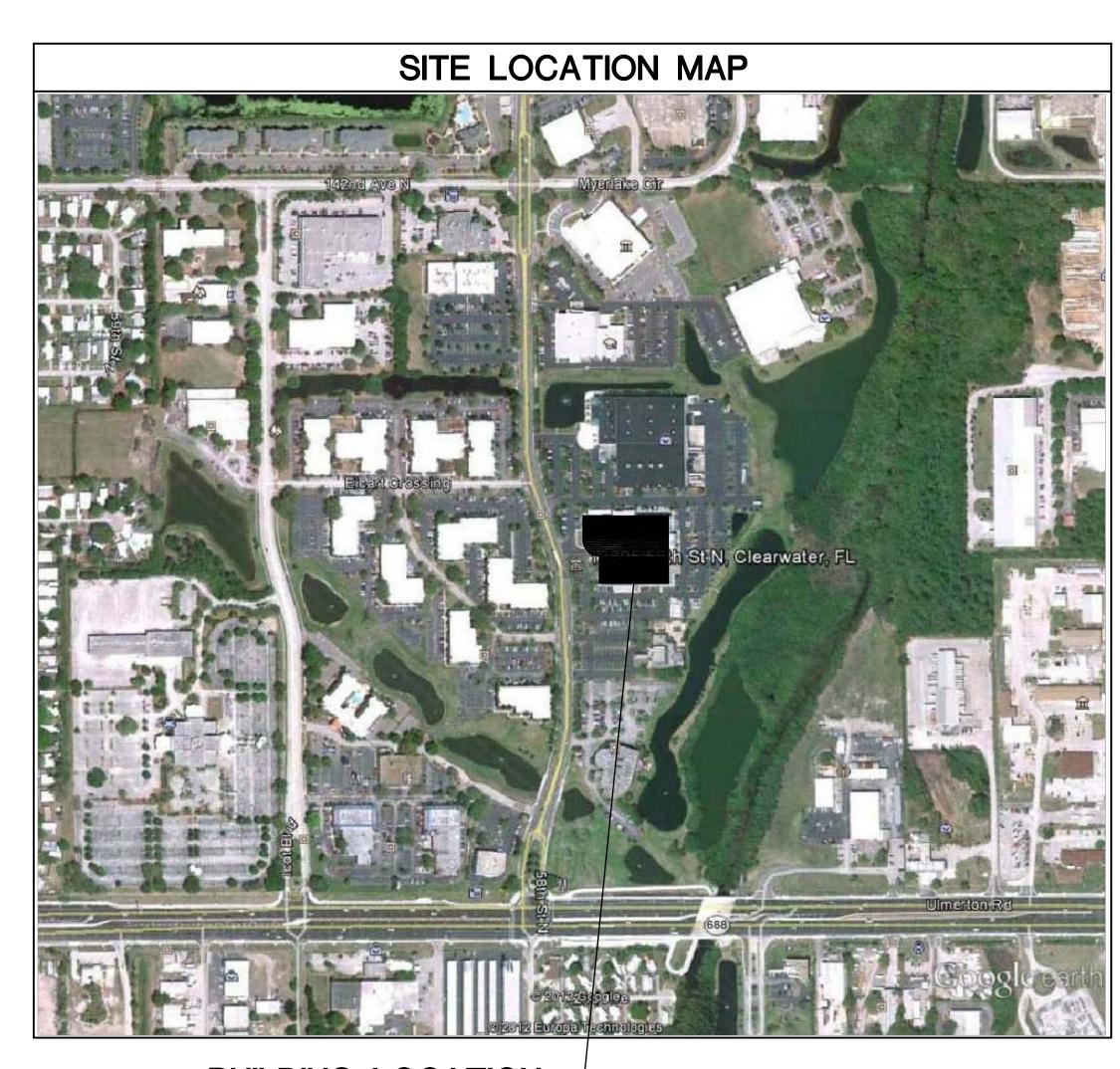
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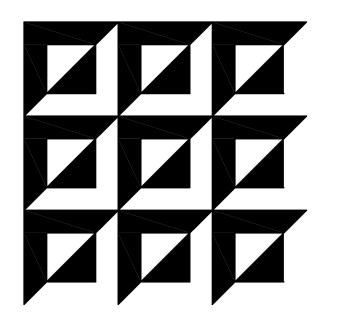
VENTILATION COMMISSIONING SPC PROJECT NUMBER - 1707-X-11-0 FEBRUARY 21, 2013 CONSTRUCTION DOCUMENTS



BUILDING LOCATION —

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E2.7	PARTIAL SECOND FLOOR LIGHTING PLAN
E2.8	PARTIAL SECOND FLOOR LIGHTING PLAN

TO THE BEST OF MY KNOWLEDGE THESE DRAWINGS AND THE PROJECT MANUAL ARE COMPLETE AND COMPLY MITH THE 'STATE REQUIREMENTS FOR



ENGINEERING MATRIX, INC. CONSULTING ENGINEERS

2860 SCHERER DRIVE, SUITE 640 ST. PETERSBURG, FLORIDA 33716

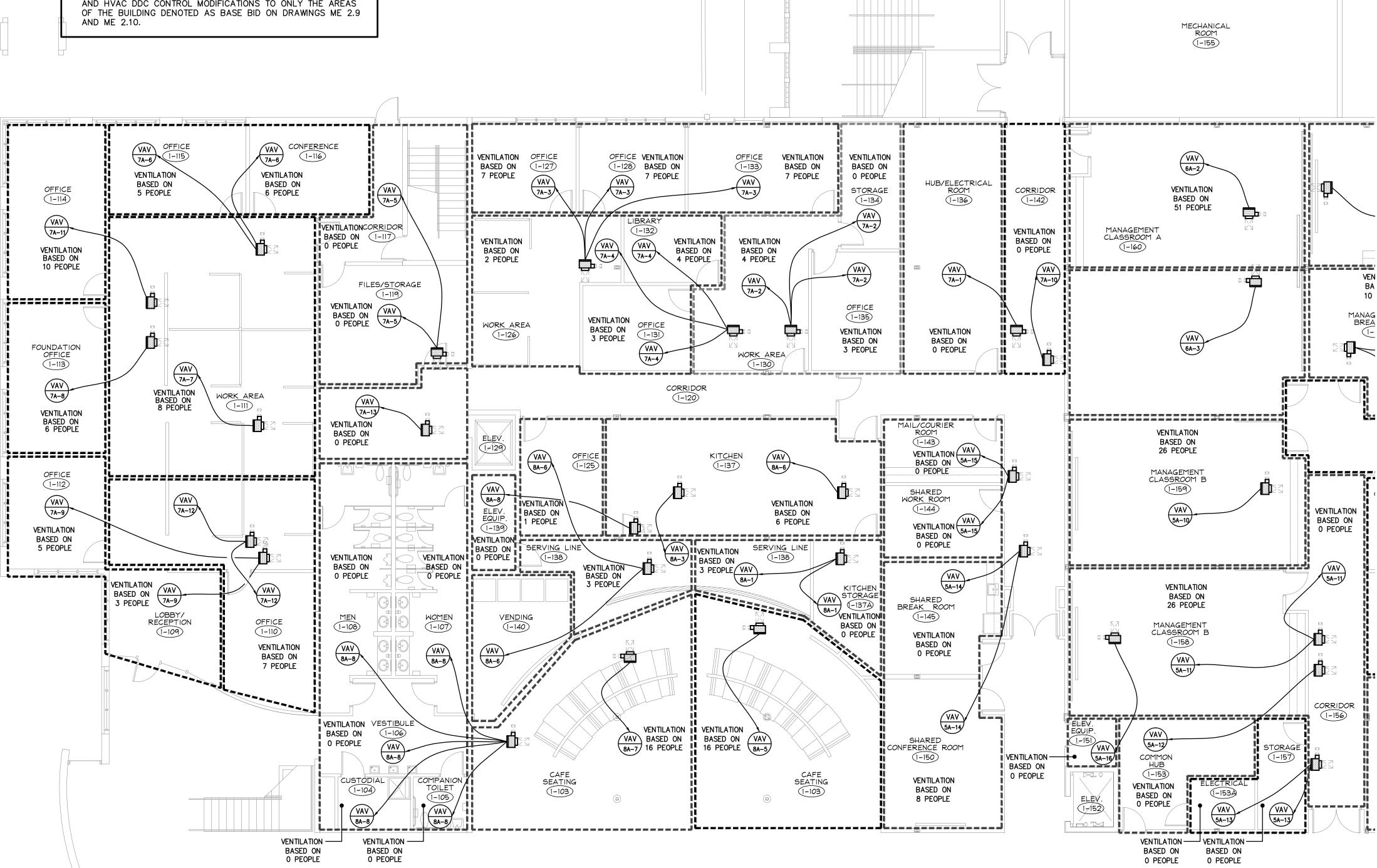
(727) 573-4656 FAX:(727) 573-3902 EMAIL: email@engmtx.com

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EMI JOB NO. 12-0210

BASE BID SCOPE OF WORK NOTES

1. THE BASE BID FOR THIS PROJECT INCLUDES LIGHTING CONTROL AND HVAC DDC CONTROL MODIFICATIONS TO ONLY THE AREAS



ATRIUM (1-102)

GENERAL NOTES

CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF INSTALLATION WORK WITH OTHER TRADES TO AVOID CONFLICTS.

2. ANY WALL, ROOF, FLOOR, EQUIPMENT, ETC. DAMAGE DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO MATCH EXISTING. COORDINATE WITH GENERAL CONTRACTOR AND/OR OWNER.

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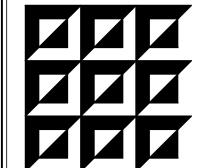
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- CONTRACTOR IS RESPONSIBLE FOR PROPER SENSITIVITY AND TIME DELAY SETTINGS.
- ENTIRE DIGITAL LIGHTING CONTROL SYSTEM.



ENGINEERING MATRIX, INC CONSULTING ENGINEERS 2860 SCHERER DRIVE, SUITE 640 ST. PETERSBURG, FLORIDA 33716 PH (727)573-4656 F (727)573-3902 EMAIL: email@engmtx.com CERT. OF AUTHORIZATION NO. 4288



DRAWING PHASE: **CONSTRUCTION DOCUMENTS** ISSUE DATE: EMI JOB NO. 12-0210 02/21/13

DRAWING REVISIONS: DATE ISSUANCE

- PROVIDE SENSOR SWITCH "NLIGHT" DIGITAL LIGHTING CONTROLS IN ALL SPACES, EXCEPT MECHANICAL ROOMS, ELECTRICAL ROOMS, AND IDF/MDF ROOMS. SUBMIT LOCATIONS AND EQUIPMENT CATALOG CUT SHEETS TO
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- . PROVIDE FACTORY TRAINING FOR THE OWNER'S MAINTENANCE STAFF FOR THE

SEAL:

2G

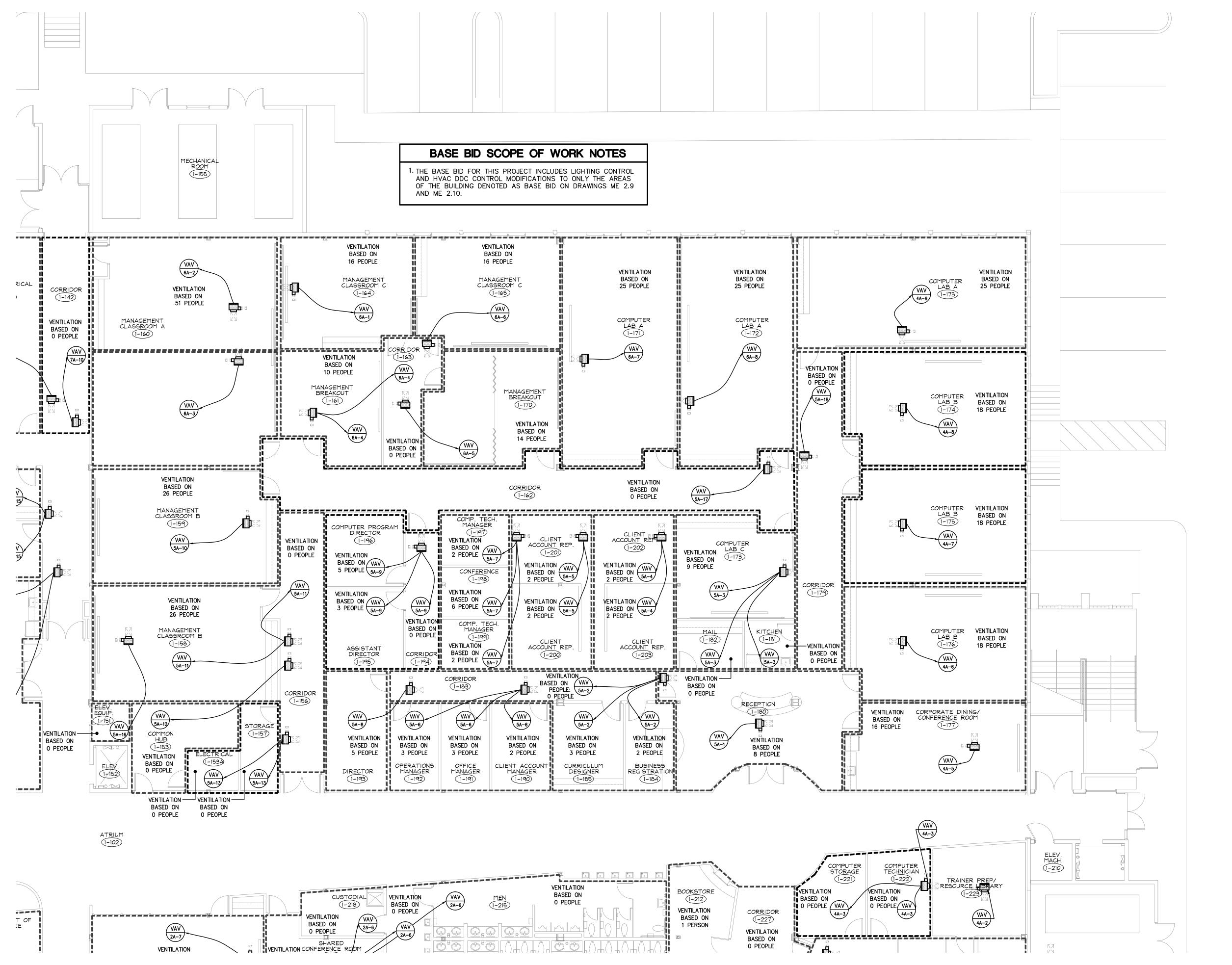
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KEY PLAN:

DRAWING TITLE:

PARTIAL FIRST FLOOR **MECHANICAL PLAN**

NORTH: 1/8" = 1'-0" DRAWING NUMBER:



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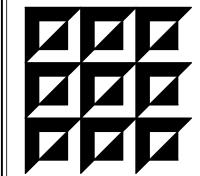
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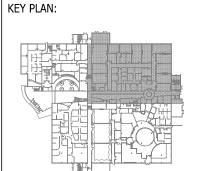
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DATE ISSUANCE

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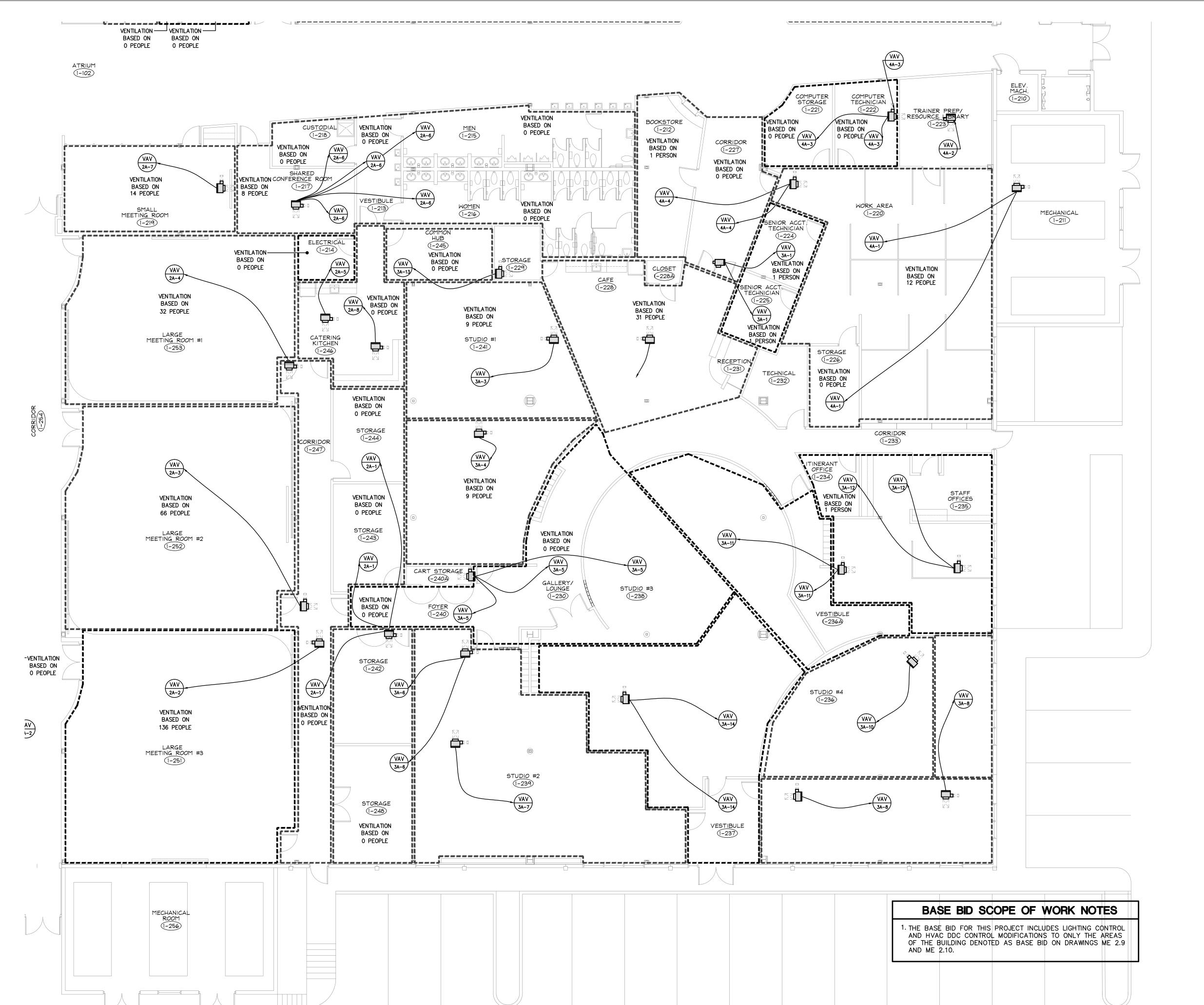


DRAWING TITLE:

SEAL:

PARTIAL FIRST FLOOR **MECHANICAL PLAN**

NORTH: 1/8" = 1'-0" DRAWING NUMBER:



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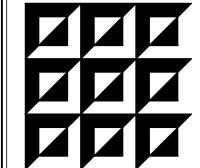
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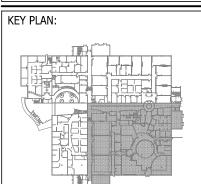
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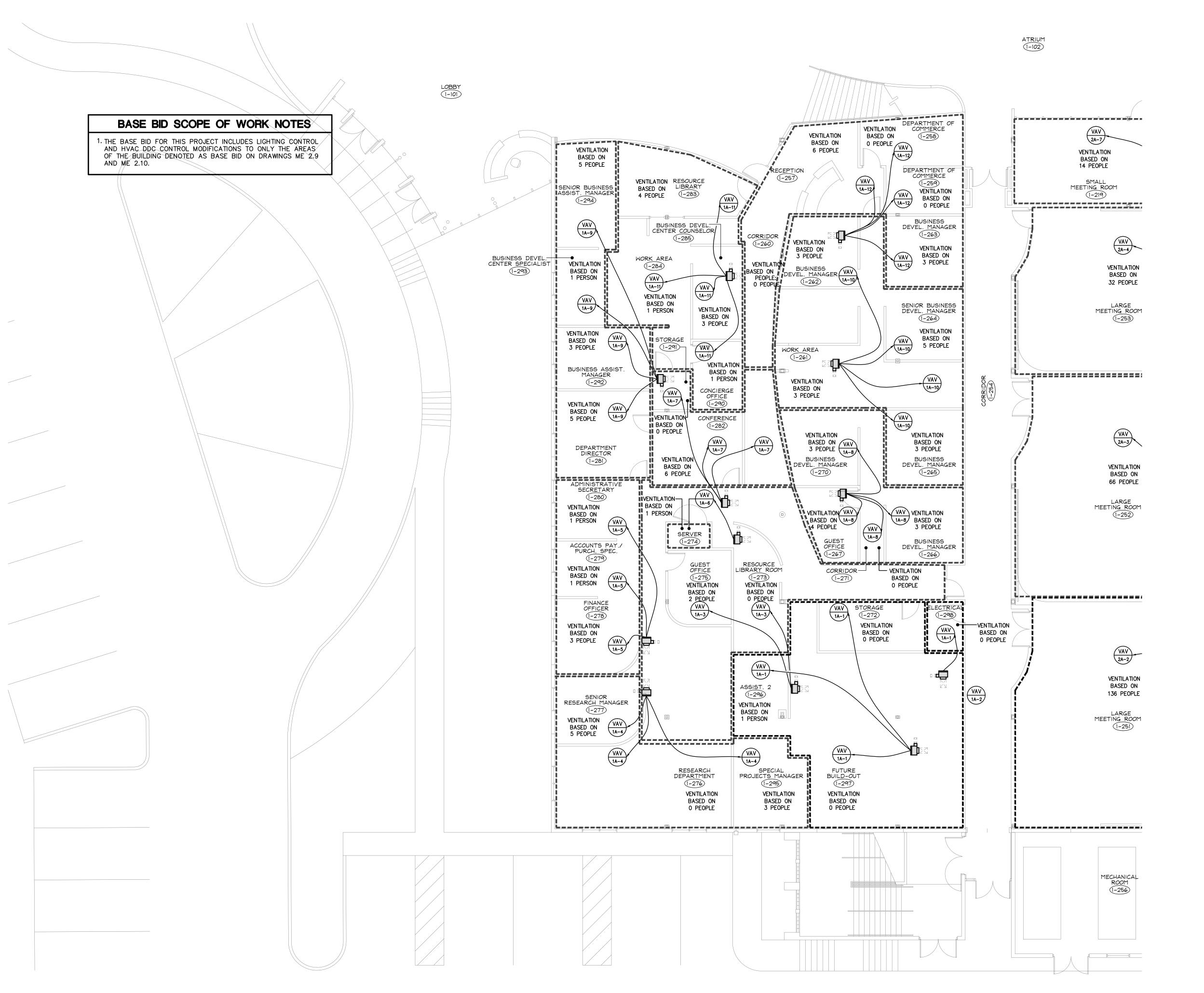
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DRAWING TITLE:

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NORTH: 1/8" = 1'-0" DRAWING NUMBER:



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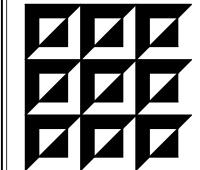
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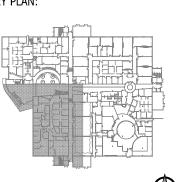
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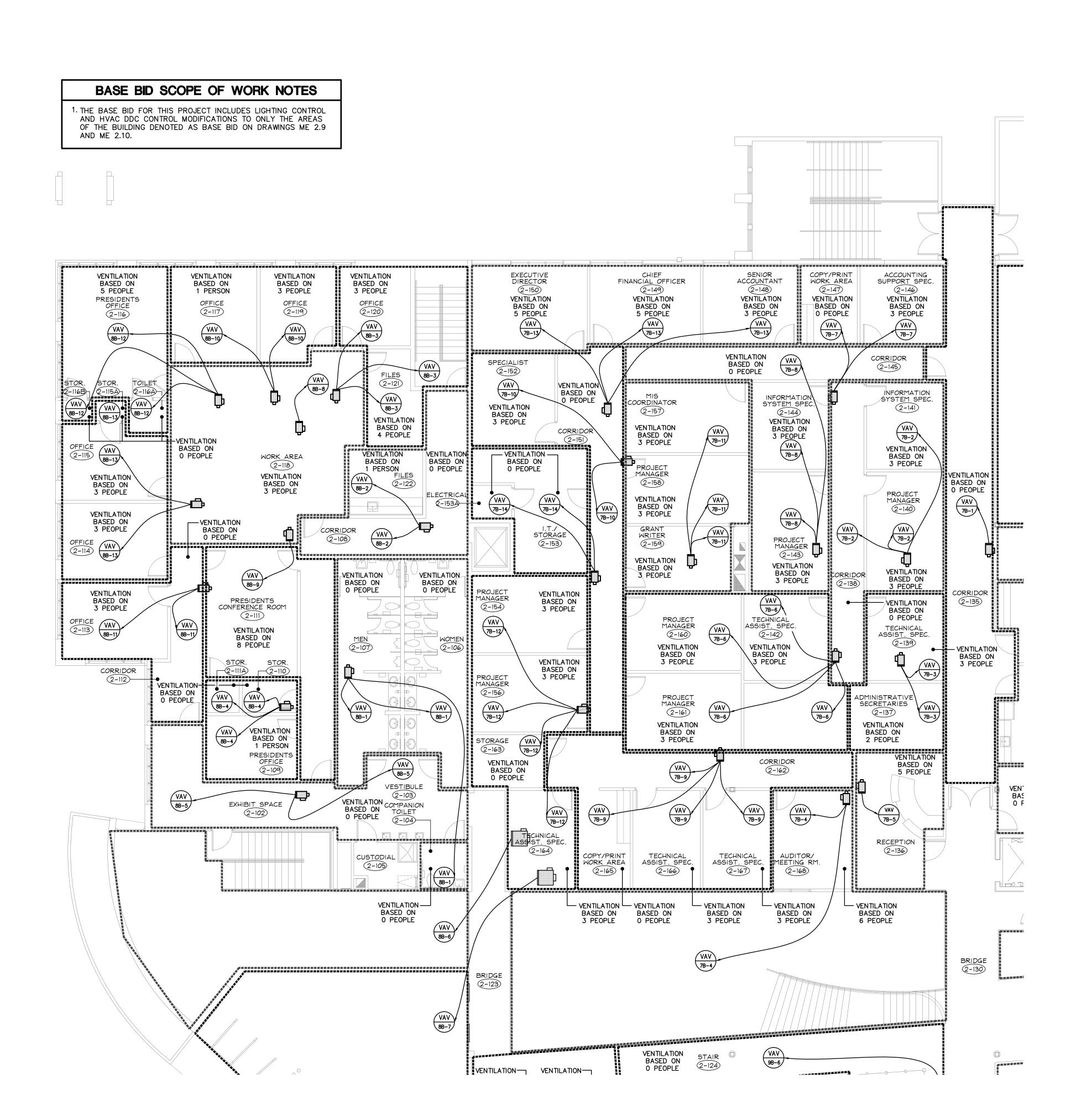
DRAWING TITLE:

PARTIAL FIRST FLOOR MECHANICAL PLAN

SCALE:

1/8" = 1'-0"

DRAWING NUMBER:



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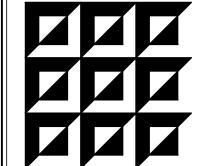
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ISSUE DATE: EMI JOB NO.

02/21/13 12-0210

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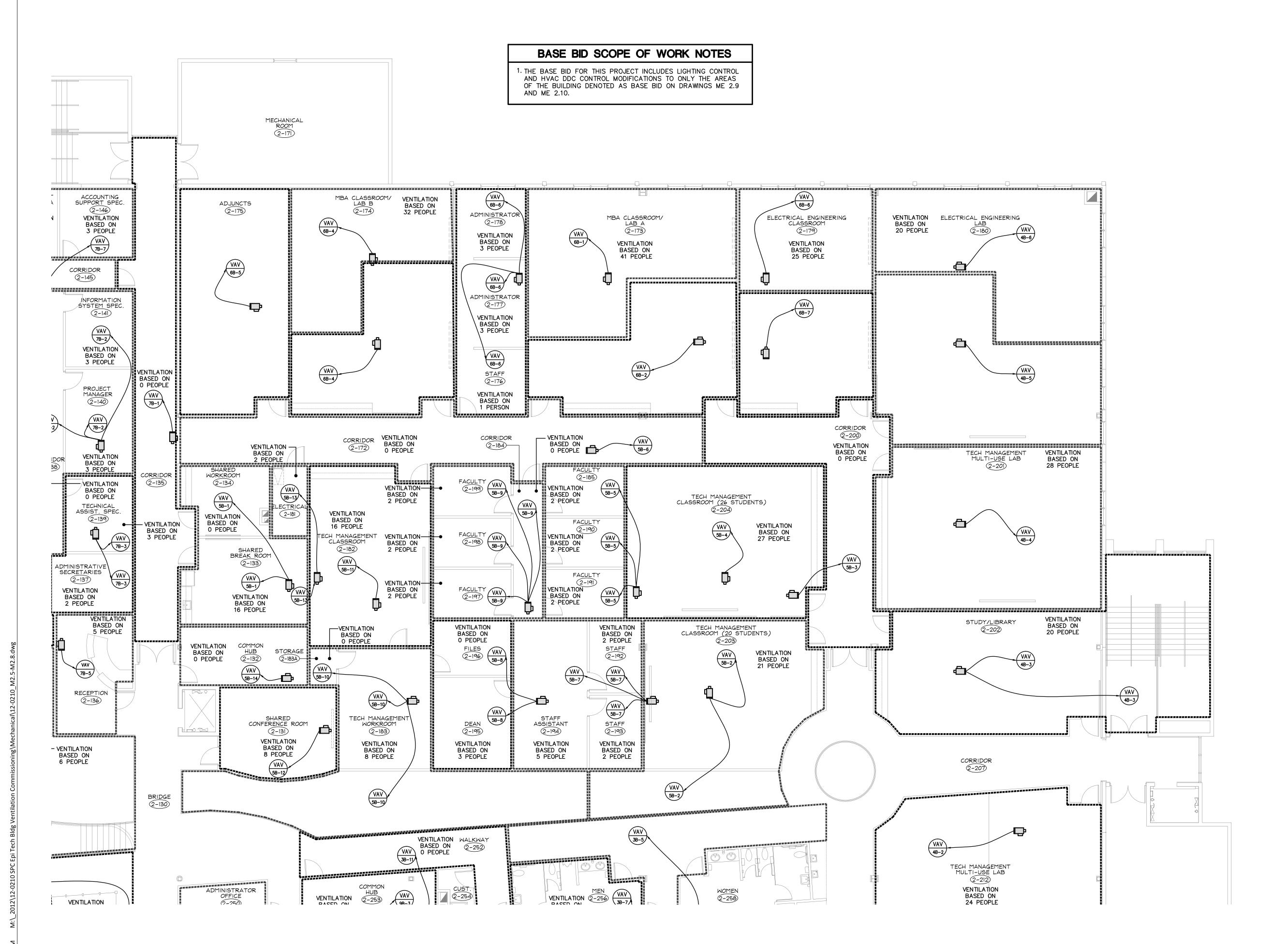


DRAWING TITLE:

PARTIAL SECOND FLOOR MECHANICAL PLAN

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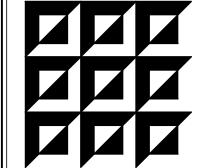
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THIS INFORMATION COMBINED WITH THE ROOM VENTILATION RATES AND THE MIN-MAX OA CFM VALUES SHOWN ON DRAWING ME 4.1 WILL ALLOW THE CONTROLS CONTRACTOR TO PROVIDE THE REQUIRED OA CFM RESET ALGORITHM THAT WILL REDUCE OA CFM VENTILATION RATES BASED UPON ROOM OCCUPANCY SENSOR STATUS.

LIGHTING CONTROL NOTES

- 1. PROVIDE SENSOR SWITCH "NLIGHT" DIGITAL LIGHTING CONTROLS IN ALL SPACES, EXCEPT MECHANICAL ROOMS, ELECTRICAL ROOMS, AND IDF/MDF ROOMS. SUBMIT LOCATIONS AND EQUIPMENT CATALOG CUT SHEETS TO OWNER/ENGINEER FOR REVIEW.
- 2. PROVIDE A SINGLE RELAY ROOM CONTROLLER FOR ALL ROOMS EXCEPT IN AREAS WITH MULTIPLE VOLTAGES OR MULTIPLE CIRCUITS THAT WOULD REQUIRE EITHER MULTIPLE ROOM CONTROLLERS OR MULTIPLE RELAY ROOM CONTROLLERS. ROOM CONTROLLER SHALL COMMUNICATE TO THE E.M.S. VIA A NETWORK BACKBONE PROVIDED BY SENSOR SWITCH.
- ALL SENSORS SHALL BE DUAL TECHNOLOGY OCCUPANCY SENSORS.
- 4. THIS CONTRACTOR SHALL PROVIDE AND INSTALL WIRING FROM ALL ROOM CONTROLLERS AND NETWORK BRIDGES TO THE ENERGY MANAGEMENT SYSTEM.
- THE CONTRACTOR SHALL VERIFY TYPE AND QUANTITY OF DUAL TECHNOLOGY OCCUPANCY SENSORS WITH THE MANUFACTURER'S REPRESENTATIVE FOR CORRECT COVERAGE OF EACH SPACE PRIOR TO RID
- 5. DUAL TECHNOLOGY CEILING MOUNT SENSORS SHOULD BE LOCATED A MINIMUM OF SIX (6) FEET FROM HVAC SUPPLY/RETURN VENTS.
- 7. CONTRACTOR IS RESPONSIBLE FOR PROPER SENSITIVITY AND TIME DELAY SETTINGS.
- PROVIDE FACTORY TRAINING FOR THE OWNER'S MAINTENANCE STAFF FOR THE ENTIRE DIGITAL LIGHTING CONTROL SYSTEM.



ENGINEERING MATRIX, INC

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EMAIL: email@engmtx.com
CERT. OF AUTHORIZATION NO. 4288



DRAWING PHASE:

CONSTRUCTION DOCUMENTS

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02/21/13 12-0210

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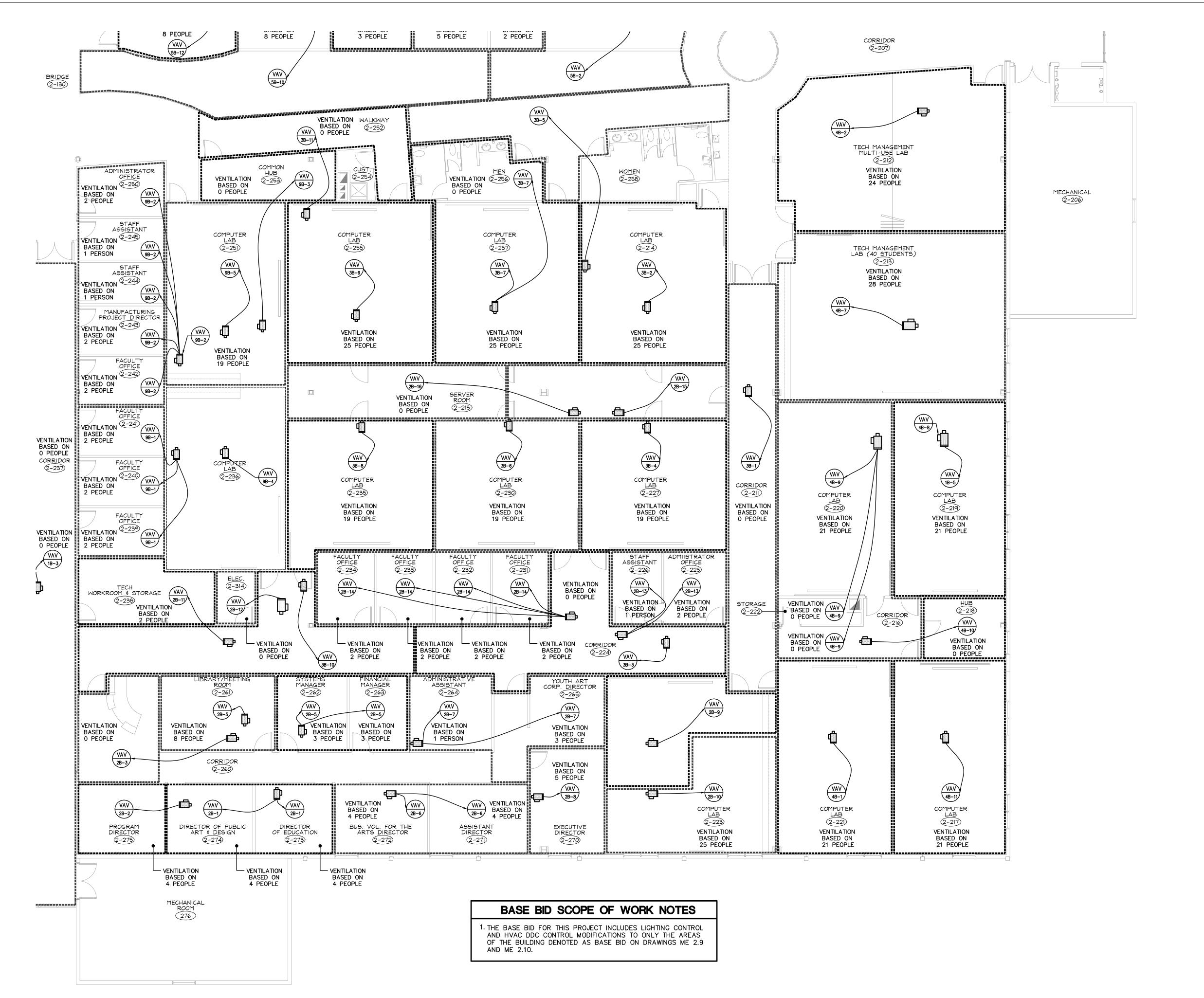
DRAWING TITLE:

PARTIAL SECOND FLOOR MECHANICAL PLAN

SCALE:

1/8" = 1'-0"

DRAWING NUMBER:



CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF INSTALLATION WORK WITH OTHER TRADES TO AVOID CONFLICTS.

ANY WALL, ROOF, FLOOR, EQUIPMENT, ETC. DAMAGE DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO MATCH EXISTING. COORDINATE WITH GENERAL CONTRACTOR AND/OR OWNER.

THE SCOPE OF WORK INTENT IS TO PROVIDE A COMPLETELY NEW DIGITAL LIGHTING CONTROL SYSTEM FOR THE AREAS OF THE BUILDING DENOTED AS BASE BID ON DRAWINGS ME 2.9 AND ME 2.10. REFER TO DIGITAL LIGHTING SCOPE OF WORK NOTES FOR MORE DETAILED REQUIREMENTS. ADDITIONALLY, THE EXISTING HVAC BUILDING AUTOMATION SYSTEM SHALL BE UPGRADED AS REQUIRED TO DIRECTLY COMMUNICATE WITH THE NEW DIGITAL LIGHTING CONTROL SYSTEM. THE INTENT IS FOR THE BAS TO BE ABLE TO COMMUNICATE VIA A GATEWAY DEVICE TO PERFORM SCHEDULING, SENSITIVITY ADJUSTMENTS AND VENTILATION RESET ALGORITHMS BASED UPON THE OCCUPIED/UNOCCUPIED STATUS OF EACH OF THE ROOM OCCUPANCY SENSORS.

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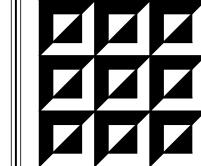
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DRAWING TITLE:

PARTIAL SECOND FLOOR MECHANICAL PLAN

NORTH: 1/8" = 1'-0" DRAWING NUMBER:



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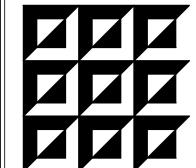
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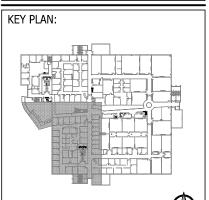
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DRAWING TITLE:

PARTIAL SECOND FLOOR MECHANICAL PLAN

NORTH: 1/8" = 1'-0" DRAWING NUMBER:



1. THIS DRAWING INDICATES THE ZONING OF THE EXISTING AIR CONDITIONING SYSTEM ON AN AHU BASIS.

2. THE CONTACTOR SHALL BE REQUIRED TO PROVIDE A BASE BID ONLY FOR THOSE AREAS OF THE BUILDING DENOTED AS BASE BID ON DRAWINGS ME 2.9 AND ME 2.10.

KEYED NOTES

PROVIDE NEW BUILDING PRESSURE SENSOR.
SENORS SHALL BE USED TO CONTROL THE
SPEED OF THE EXISTING RELIEF FANS AS THE
AIR HANDLER OA CFM VALUES ARE REDUCED.
ALL BUILDING PRESSURE SENSORS SHALL BE
CONSIDERED BASE BID.



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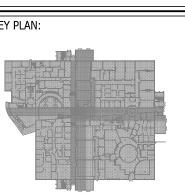


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DRAWING TITLE: FIRST FLOOR

ZONING PLAN

NORTH: 1/16" = 1'-0" DRAWING NUMBER:

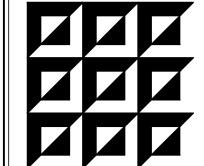


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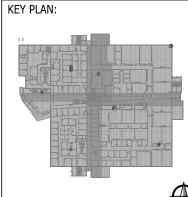
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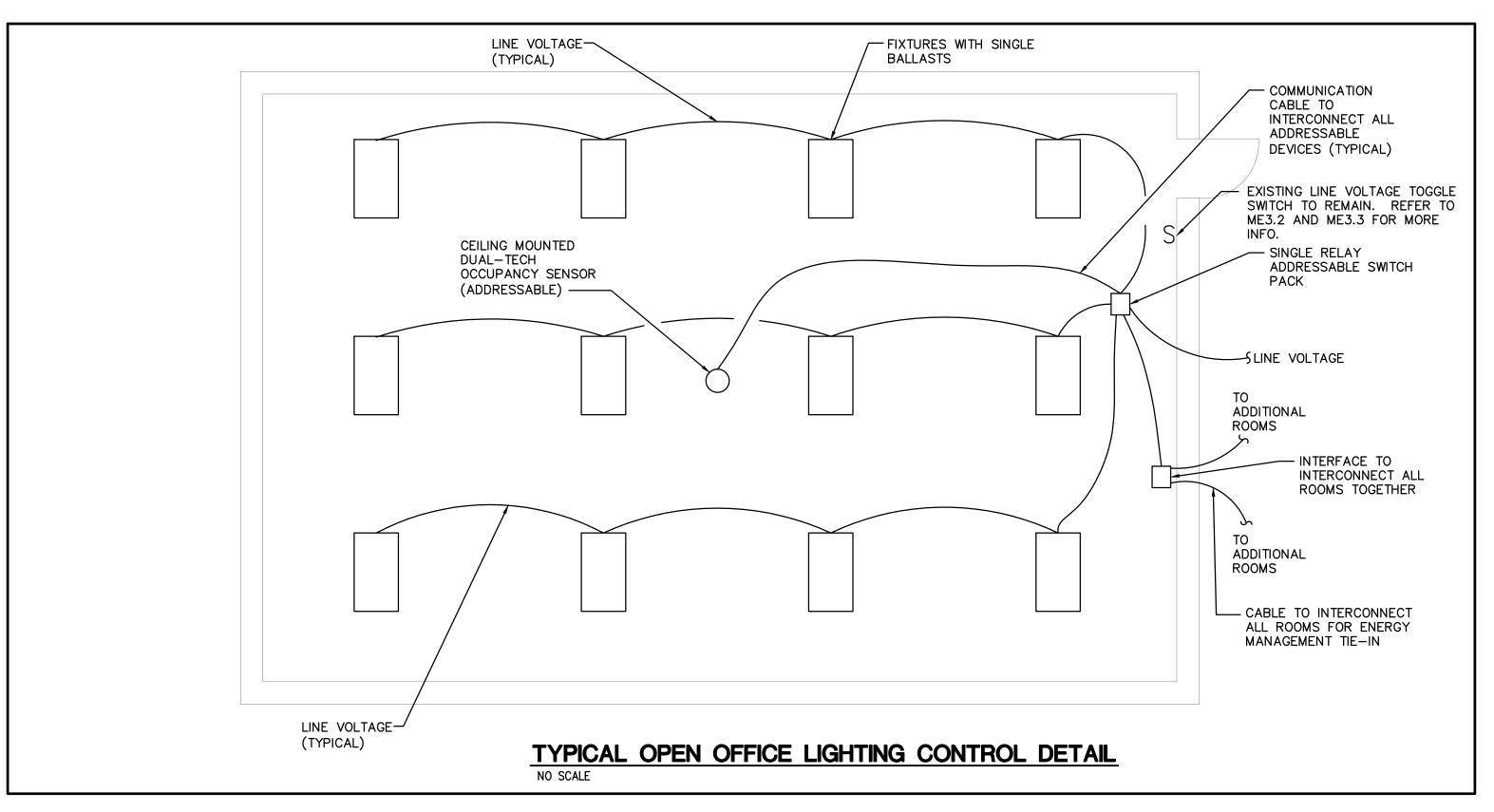
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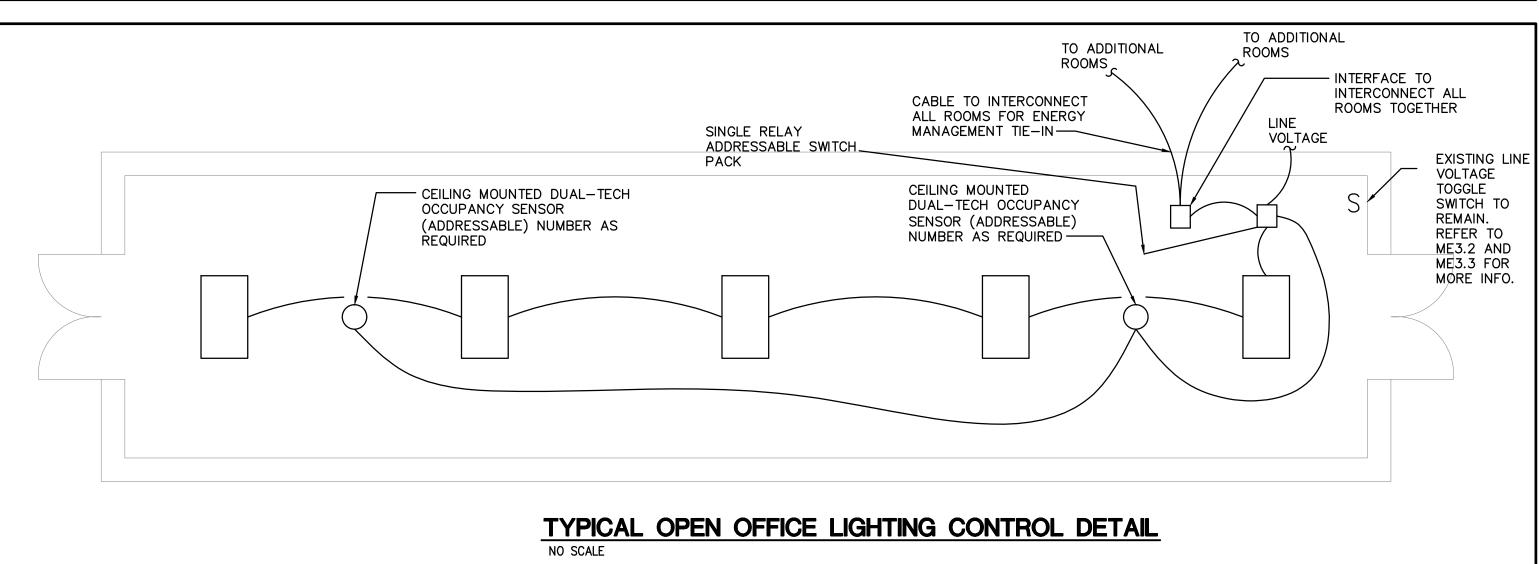
SECOND FLOOR ZONING PLAN

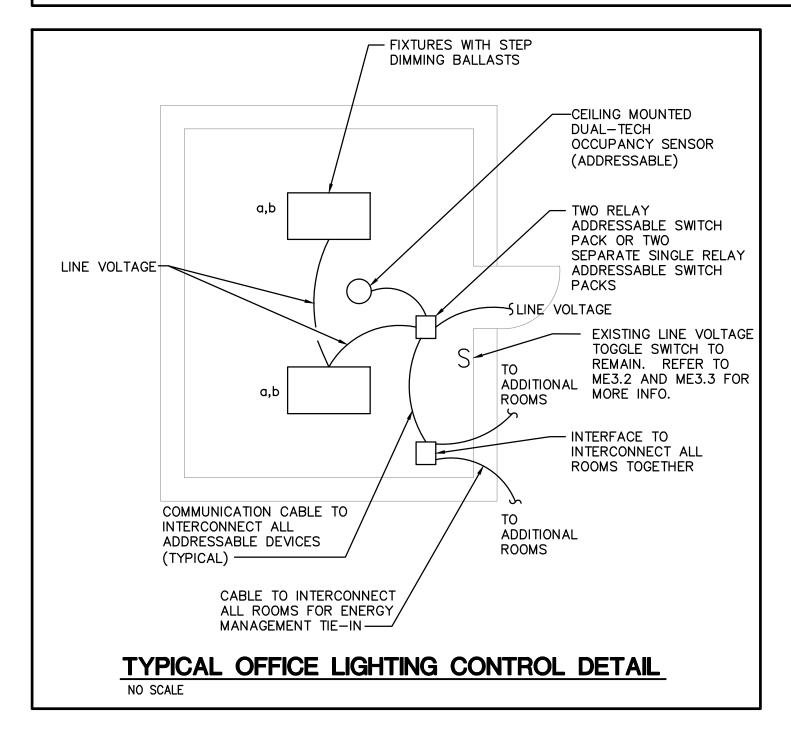
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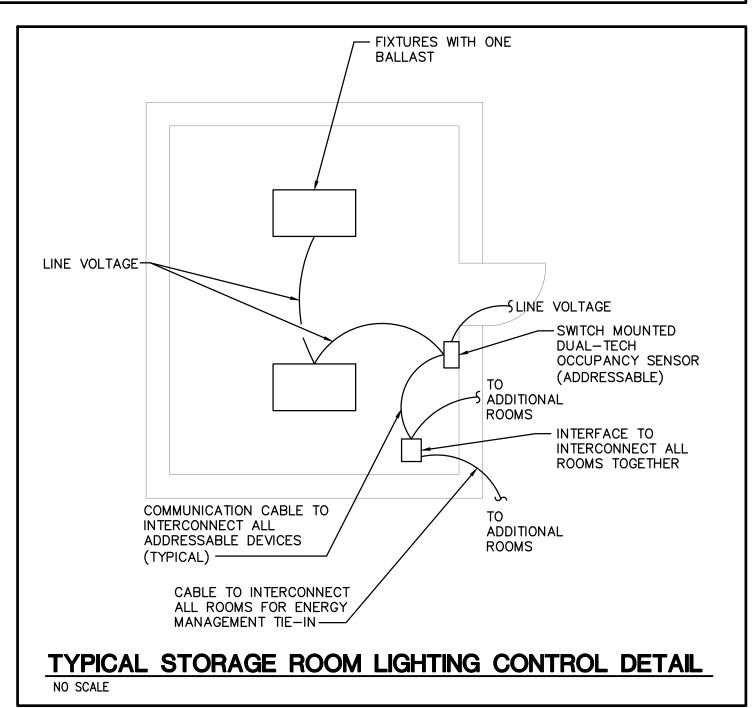
1/16" = 1'-0"

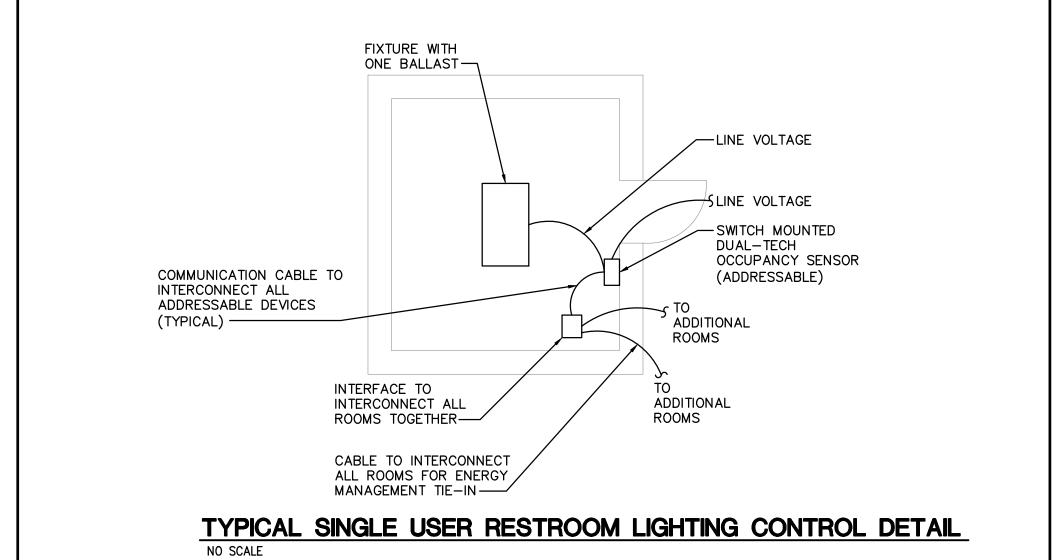
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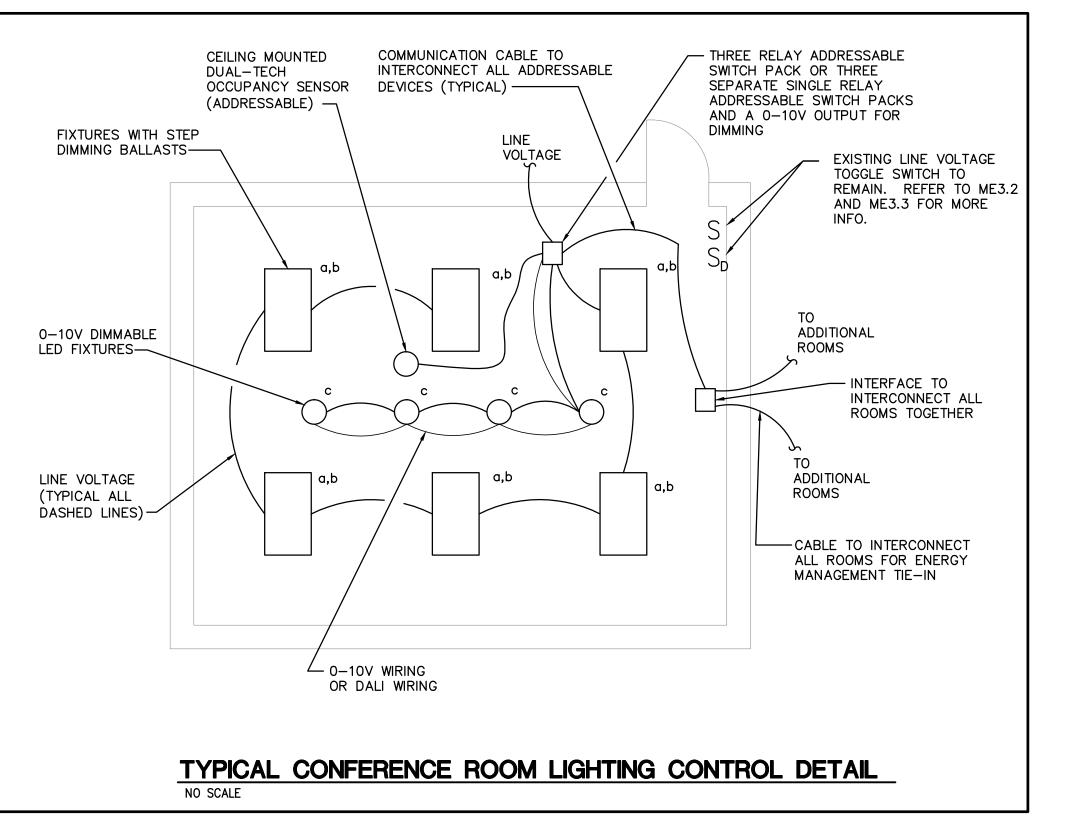


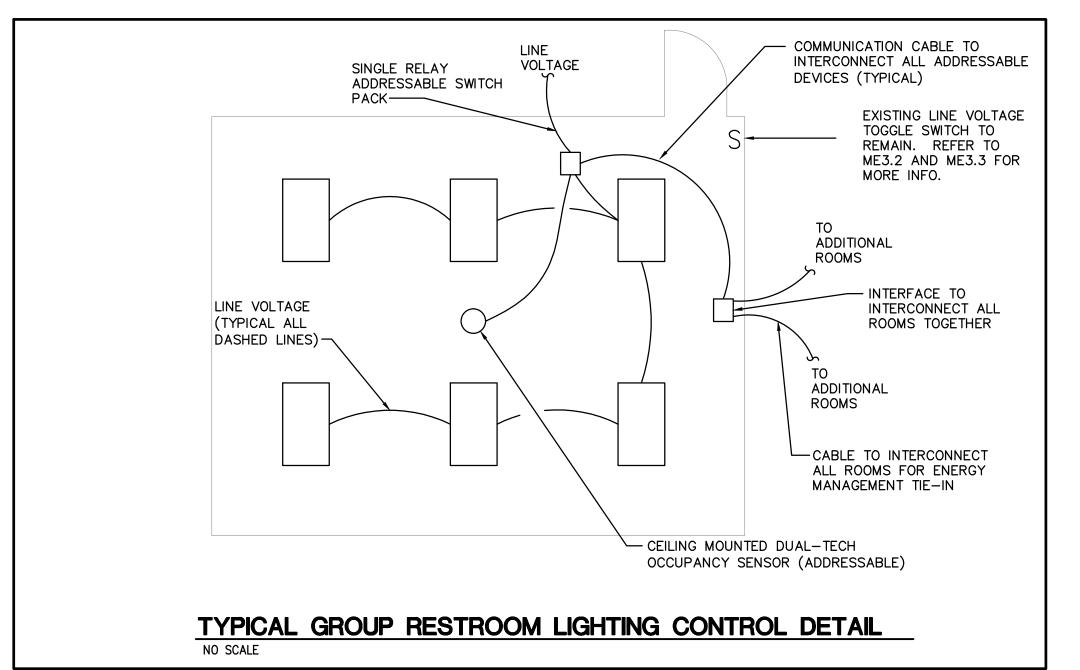






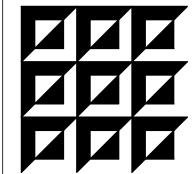






1. THE LIGHTING CONTROL SYSTEM SHALL BE COMMISSIONED AND PROGRAMMED BY A FACTORY AUTHORIZED REPRESENTATIVE(S) AFTER THE COMPLETION OF INSTALL BUT BEFORE THE BUILDING IS OCCUPIED.

2. IN ALL ROOMS WITH EMERGENCY FIXTURES, PROVIDE A UL LISTED EMERGENCY TRANFER DEVICE TO OVERRIDE THE SWITCH IN THE EVENT OF LOSS OF NORMAL LIGHTING IN THE SPACE. THE DEVICE CAN EITHER BE PART OF THE DIGITAL LIGHTING CONTROL SYSTEM OR A LINE VOLTAGE 4 POLE N.C. RELAY.



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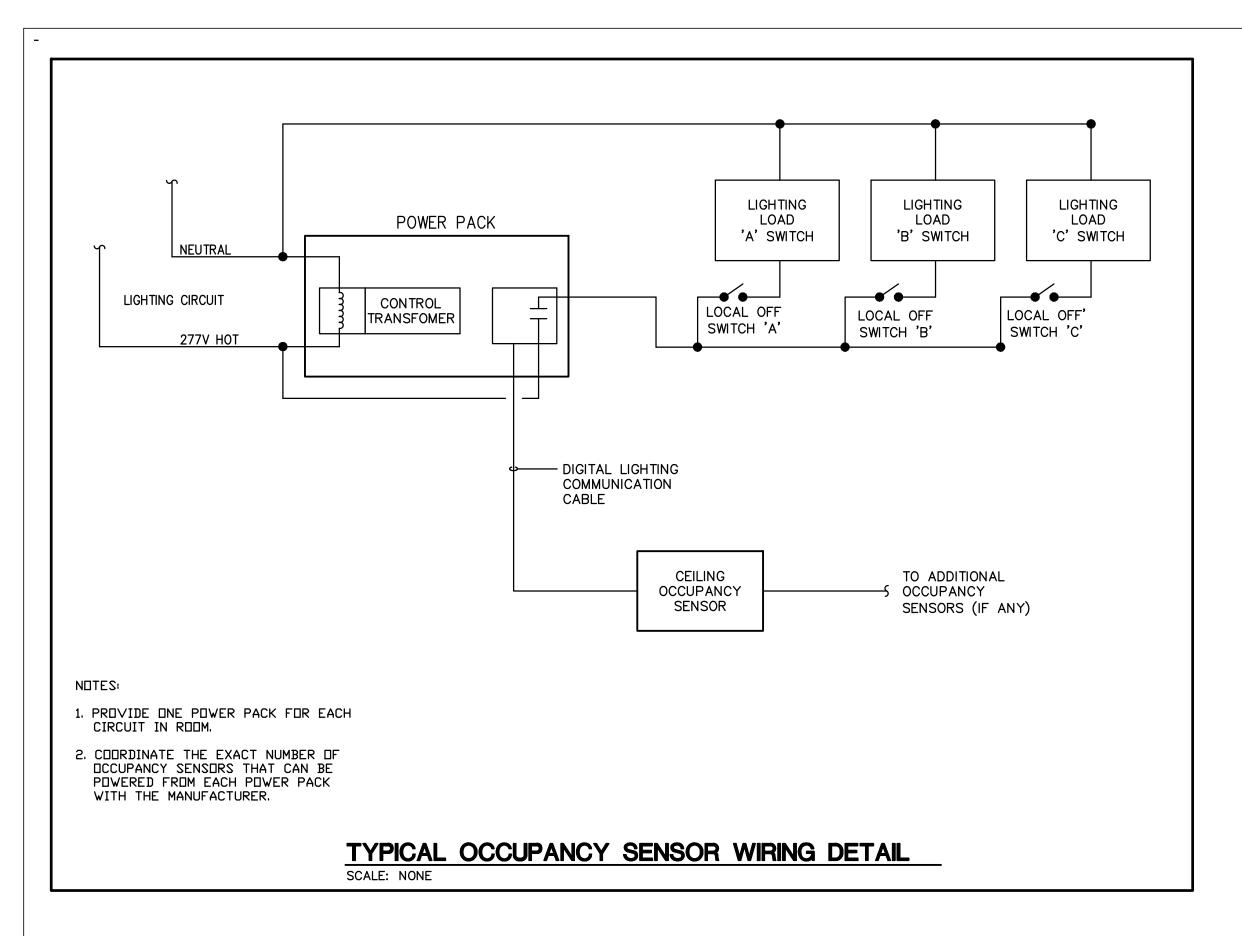
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KEY PLAN:		

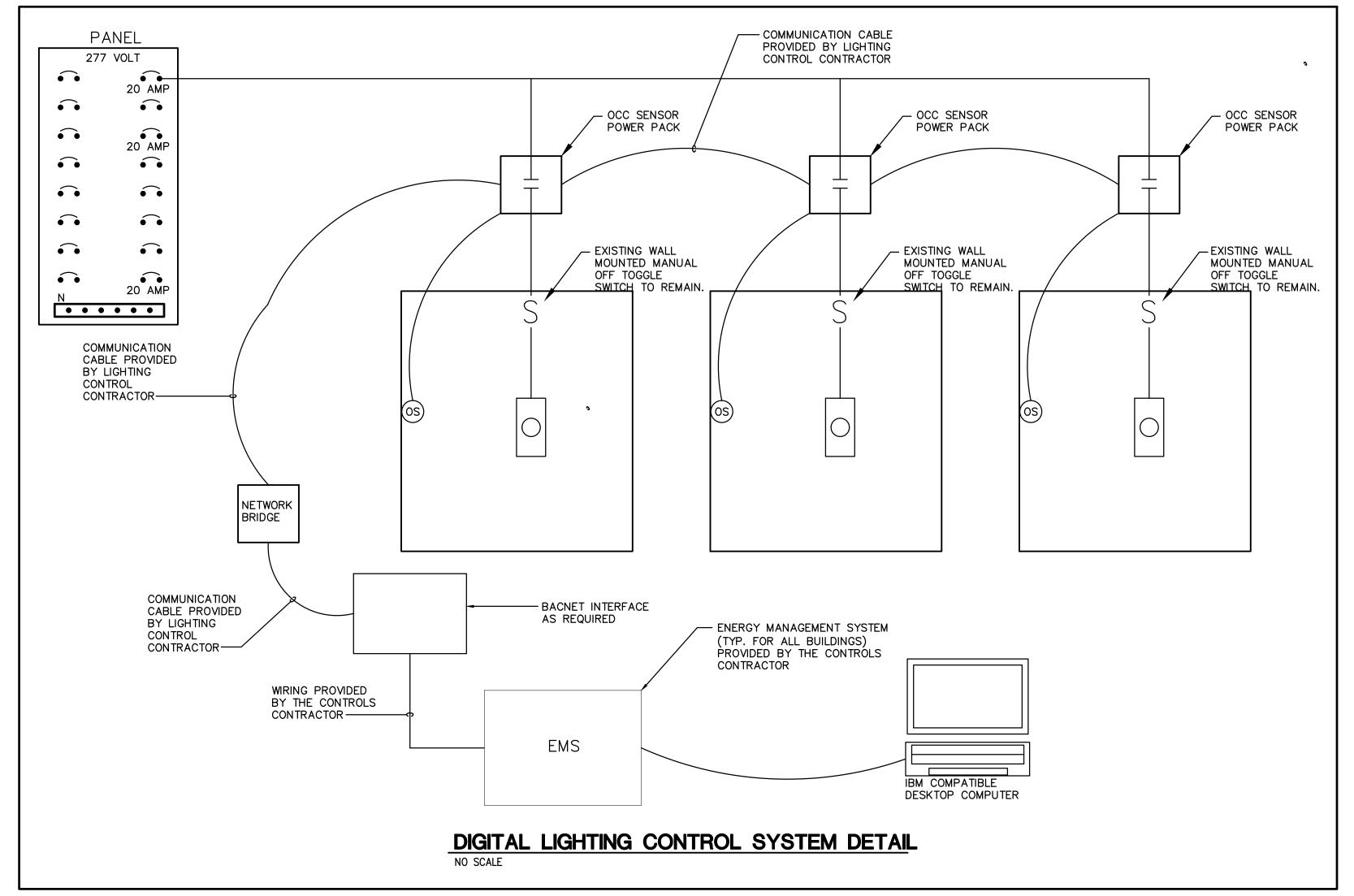
EAL:

LIGHTING CONTROL
DETAILS

SCALE: NORTH: N.T.S. DRAWING NUMBER:

ME3.1





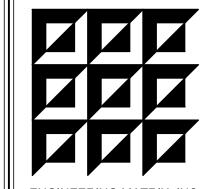
EXISTING RELIEF FAN SCHEDULE												
MARK	-	RF-2A	RF-2B	RF-3A	RF-4A	RF-4B-1	RF-4B-2	RF-5A	RF-5B	RF-6A	RF-6B	RF-9B
MANUFACTURER	-	GREENHECK										
MODEL NUMBER	-	G-121-A	G-121-A	G-180-7	G-121-A	G-101-A	G-141-B	G-095-D	G-095-D	G-170-B	G-160-B	G-101-A
SERVICE	-	RELIEF										
AIR QUANITITY	CFM	535	545	2860	520	810	795	315	460	1680	910	645
EXT. STATIC PRESSURE	IN H ₂ 0	.68	.56	.7	.69	.6	.6	.68	.58	.7	.6	.52
FAN TYPE	-	BI	ВІ	BI	BI	BI	BI	ВІ	BI	BI	ВІ	BI
DRIVE TYPE	-	DIRECT										
MAXIMUM GENERATED NOISE	SONES	10.7	9.7	11.4	10.8	9.4	8.3	12.1	8.3	12.7	9.6	7.9
MAXIMUM FAN SPEED	RPM	1354	1245	967	1359	1501	1120	1542	1475	1018	964	1725
MOTOR SIZE	-	1/4 HP	1/4 HP	3/4 HP	1/4 HP	1/4 HP	1/6 HP	1/8 HP	1/8 HP	1/2 HP	1/3 HP	1/4 HP
CONTROLS	-	INTERLOCK WITH ASSOC. AHU										
LOCATION	-	ROOF -										
ELECTRICAL CHARACTERISTICS	V/ø/HZ	115/1/60	115/1/60	480/3/60	115/1/60	115/1/60	115/1/60	115/1/60	115/1/60	115/1/60	115/1/60	115/1/60
NOTES	-	12345	02345	12345	12345	12345	12345	12345	12345	12345	12345	12346

RELIEF FAN VFD UPGRADE NOTES:

- 1. THE EXISTING SINGLE PHASE MOTOR RELIEF FANS SHOULD ALL BE PERMANENT SPLIT CAPACITOR (PSC) STYLE MOTORS. CONTRACTOR SHALL CONFIRM AND NOTIFY THE ENGINEER IF ANY OF THE EXISTING MOTORS ARE NOT PSC STYLE MOTORS. ALL SINGLE PSC STYLE MOTOR FANS SHALL BE PROVIDED WITH A NEW (2) PROVIDE FAN WITH GRAVITY BACKDRAFT DAMPER. SINGLE PHASE INPUT-SINGLE PHASE OUTPUT VARIABLE SPEED DRIVE. DRIVES SHALL BE BY OPTIDRIVE OR APPROVED EQUAL.
- 2. THE EXISTING THREE PHASE MOTOR RELIEF FANS SHOULD BE PROVIDED WITH NEW 4 PROVIDE WITH FACTORY PREFABRICATED ROOF CURB. THREE PHASE INPUT-THREE PHASE OUTPUT VARIABLE SPEED DRIVES. DRIVES SHALL BE BY TRANE.

EXISTING RELIEF FAN NOTES

- 1) PROVIDE FLEXIBLE CONNECTORS AT ALL DUCT CONNECTIONS TO FAN. REFER TO STANDARD MECHANICAL DETAILS FOR FURTHER DETAILS.
- 3 PROVIDE WITH FACTORY MOUNTED DISCONNECT SWITCH.
- 5 PROVIDE FAN WITH SPEED CONTROLLER. MOUNT SPEED CONTROLLER IN 2X4 METALLIC BOX ADJACENT TO FAN IN CEILING. TEST AND BALANCE CONTRACTORS SHALL ADJUST FAN PERFORMANCE THROUGH USE OF SPEED CONTROLLER.
- 6 PROVIDE WITH HORIZONTAL INLET AND VERTICAL DISCHARGE.
- 7 INTERLOCK WITH REFRIGERANT MONITOR.



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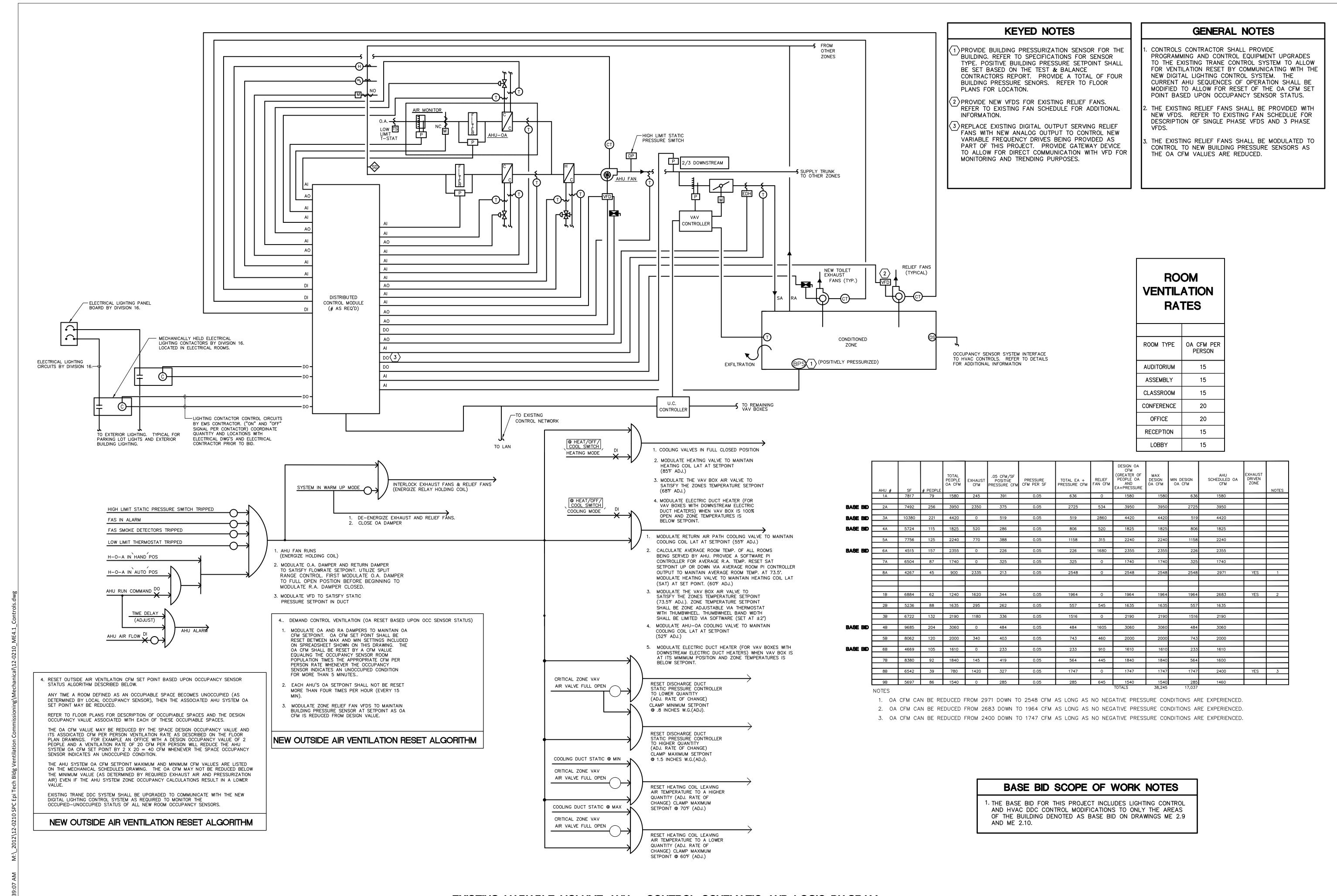
KEY PLAN:

DRAWING TITLE:

LIGHTING CONTROL **DETAILS**

NORTH: N.T.S. DRAWING NUMBER:

ME3.2



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KEY PLAN:

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DRAWING TITLE:

CONTROLS **DIAGRAMS**

SCALE: NORTH: N.T.S. DRAWING NUMBER:

ME4.1



- 1. ALL FIXTURES SHALL BE TYPE 'A' U.O.N.
- 2. PROVIDE SWITCHING AS NECESSARY TO ACCOMMODATE SWITCHING FUNCTION AS INDICATED ON FLOOR PLAN.
- 3. ALL EMERGENCY FIXTURES AND EXIT SIGNS SHALL BE CONNECTED TO A LOCAL (WITHIN SAME ROOM) LIGHTING CIRCUIT AHEAD OF SWITCHING.

EXISTING KEYED NOTES

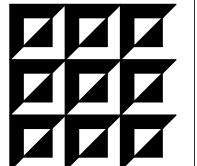
- 1 LIGHTING CONTROL STATION. CONTROL STATION SHALL CONTROL LIGHTING CONTROL PANEL. SWITCHES SHALL BE PROVIDED BY CONTROLS CONTRACTOR. COORDINATE ZONING AND LABELING WITH CONTROLS CONTRACTOR.
- 2 PROVIDE A LIGHTING CONTACTOR (NUMBER OF POLES AS REQUIRED) THAT SHALL CONTROL EXTERIOR LIGHTING VIA THE EMS. COORDINATE CONTROL REQUIREMENT WITH MECHANICAL CONTRACTOR. LOCATE CONTACTORS IN ELECTRICAL ROOM.
- (3) ROUTE CIRCUIT THROUGH ZONE 'A' CONTACTOR CONTROLLER IN ELECTRICAL
- 4 ROUTE CIRCUIT THROUGH ZONE 'B' CONTACTOR CONTROLLER IN ELECTRICAL
- (5) PROVIDE MULTIPOLE CONTACTORS FOR CONTROL OF LIGHTING ZONES, REFER TO LIGHTING ZONE SCHEDULE. PROVIDE NUMBER OF POLES / CONTACTS AS REQUIRED. COORDINÁTE EXACT NUMBER AND LOCATION WITH CONTROLS CONTRACTOR PRIOR TO ROUGH-IN.
- (6) ROUTE CIRCUIT THROUGH ZONE 'S' CONTACTOR CONTROLLER IN ELECTRICAL

REFERENCE DWG NOTES

. THIS IS AN EXISTING LIGHTING DRAWING BEING PROVIDED FOR REFERENCE PURPOSES ONLY. THE DRAWING IS BEING PROVIDED TO ASSIST IN THE PREPARATION OF BIDS FOR THE NEW PROPOSED DIGITAL LIGHTING CONTROL SYSTEM.

BASE BID SCOPE OF WORK NOTES

I. THE BASE BID FOR THIS PROJECT INCLUDES LIGHTING CONTROL AND HVAC DDC CONTROL MODIFICATIONS TO ONLY THE AREAS OF THE BUILDING DENOTED AS BASE BID ON DRAWINGS ME 2.9 AND ME 2.10.



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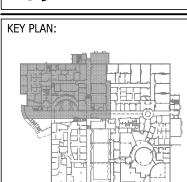
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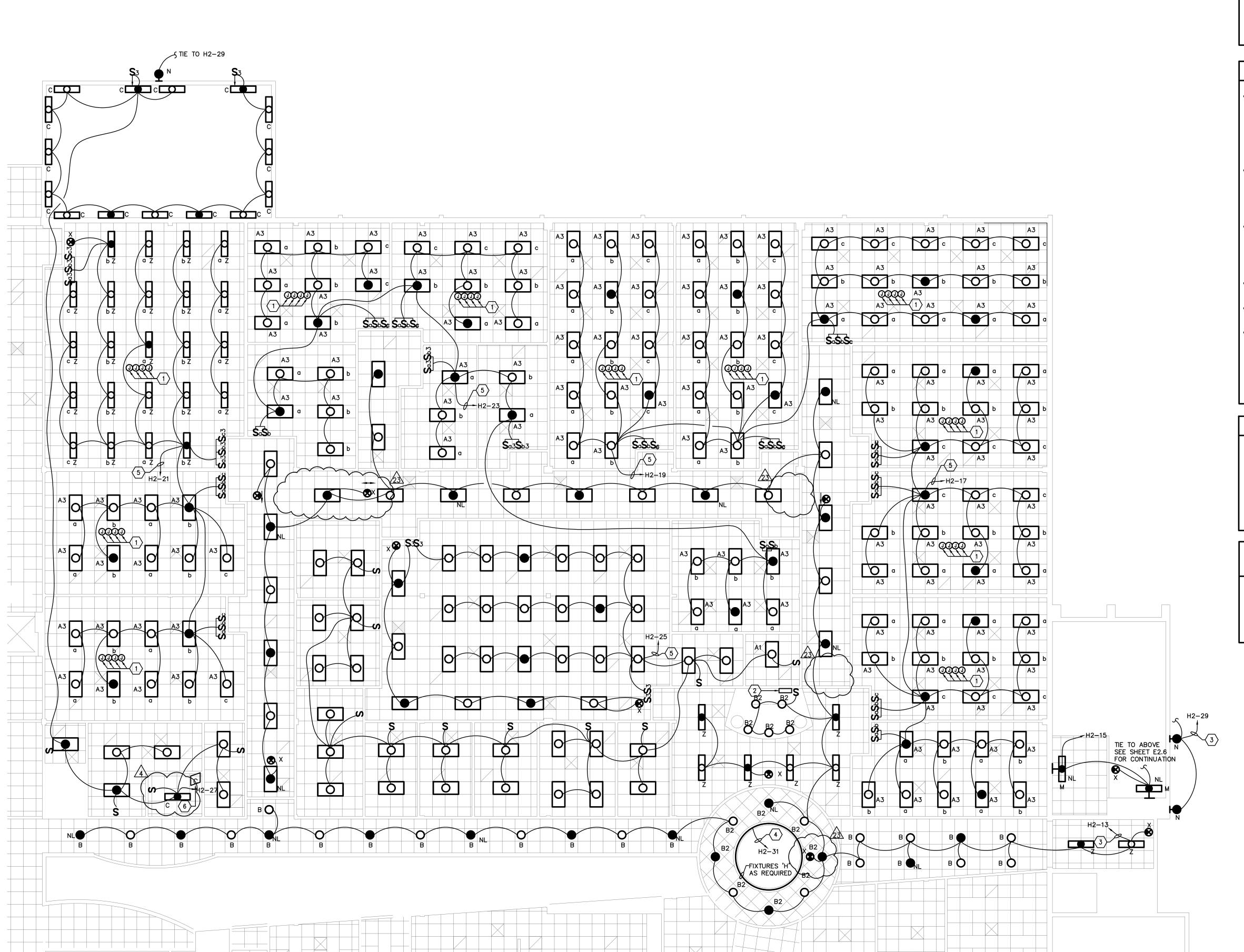
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DRAWING TITLE:

PARTIAL FIRST FLOOR LIGHTING PLAN

1/8" = 1'-0" DRAWING NUMBER:



- ALL FIXTURES SHALL BE TYPE 'A' U.O.N.
 PROVIDE SWITCHING AS NECESSARY TO
- ACCOMMODATE SWITCHING FUNCTION AS INDICATED ON FLOOR PLAN.

3. ALL EMERGENCY FIXTURES AND EXIT SIGNS SHALL BE CONNECTED TO A LOCAL (WITHIN SAME ROOM) LIGHTING CIRCUIT AHEAD OF SWITCHING.

EXISTING KEYED NOTES

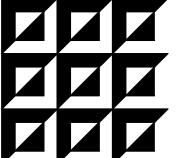
- JUNCTION BOXES FOR OCCUPANCY
 SENSORS AND SWITCH PACKS. PROVIDE 1
 (ONE) NOVITAS, INC. MODEL # 01-300
 SENSOR AND 3 (THREE) MODEL # 13-051
 SWITHCPACKS. PROVIDE ALL COMPONENTS
 (JUNCTION BOXES, TRANSFORMERS,
 DEVICES, CONDUITS, CONTROL WIRING,
 ETC.) NECESSARY FOR CONTROL.
- 2 LIGHTING CONTROL STATION. CONTROL STATION SHALL CONTROL LIGHTING CONTROL PANEL. SWITCHES SHALL BE PROVIDED BY CONTROLS CONTRACTOR. COORDINATE ZONING AND LABELING WITH CONTROLS CONTRACTOR.
- (3) PROVIDE A LIGHTING CONTACTOR (NUMBER OF POLES AS REQUIRED) THAT SHALL CONTROL EXTERIOR LIGHTING VIA EMS. COORDINATE CONTROL REQUIREMENT WITH MECHANICAL CONTRACTOR. LOCATE CONTACTORS IN ELECTRICAL ROOM.
- (4) ROUTE CIRCUIT THROUGH ZONE 'C' CONTACTOR IN ELECTRICAL ROOM.
- 5 ROUTE CIRCUIT THROUGH ZONE 'D' CONTACTOR IN ELECTRICAL ROOM.
- 6 PROVIDE MULTIPOLE CONTACTORS FOR CONTROL OF LIGHTING ZONES. REFER TO LIGHTING ZONE SCHEDULE. PROVIDE NUMBER OF POLES / CONTACTS AS REQUIRED. COORDINATE EXACT NUMBER AND LOCATION WITH CONTROLS CONTRACTOR PRIOR TO ROUGH—IN.

REFERENCE DWG NOTES

I. THIS IS AN EXISTING LIGHTING DRAWING BEING PROVIDED FOR REFERENCE PURPOSES ONLY. THE DRAWING IS BEING PROVIDED TO ASSIST IN THE PREPARATION OF BIDS FOR THE NEW PROPOSED DIGITAL LIGHTING CONTROL SYSTEM.

BASE BID SCOPE OF WORK NOTES

THE BASE BID FOR THIS PROJECT INCLUDES LIGHTING CONTROL AND HVAC DDC CONTROL MODIFICATIONS TO ONLY THE AREAS OF THE BUILDING DENOTED AS BASE BID ON DRAWINGS ME 2.9 AND ME 2.10.



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CONSULTING ENGINEERS

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CONSTRUCTION DOCUMENTS

ISSUE DATE: EMI JOB NO.

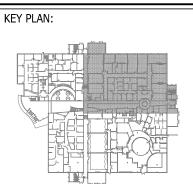
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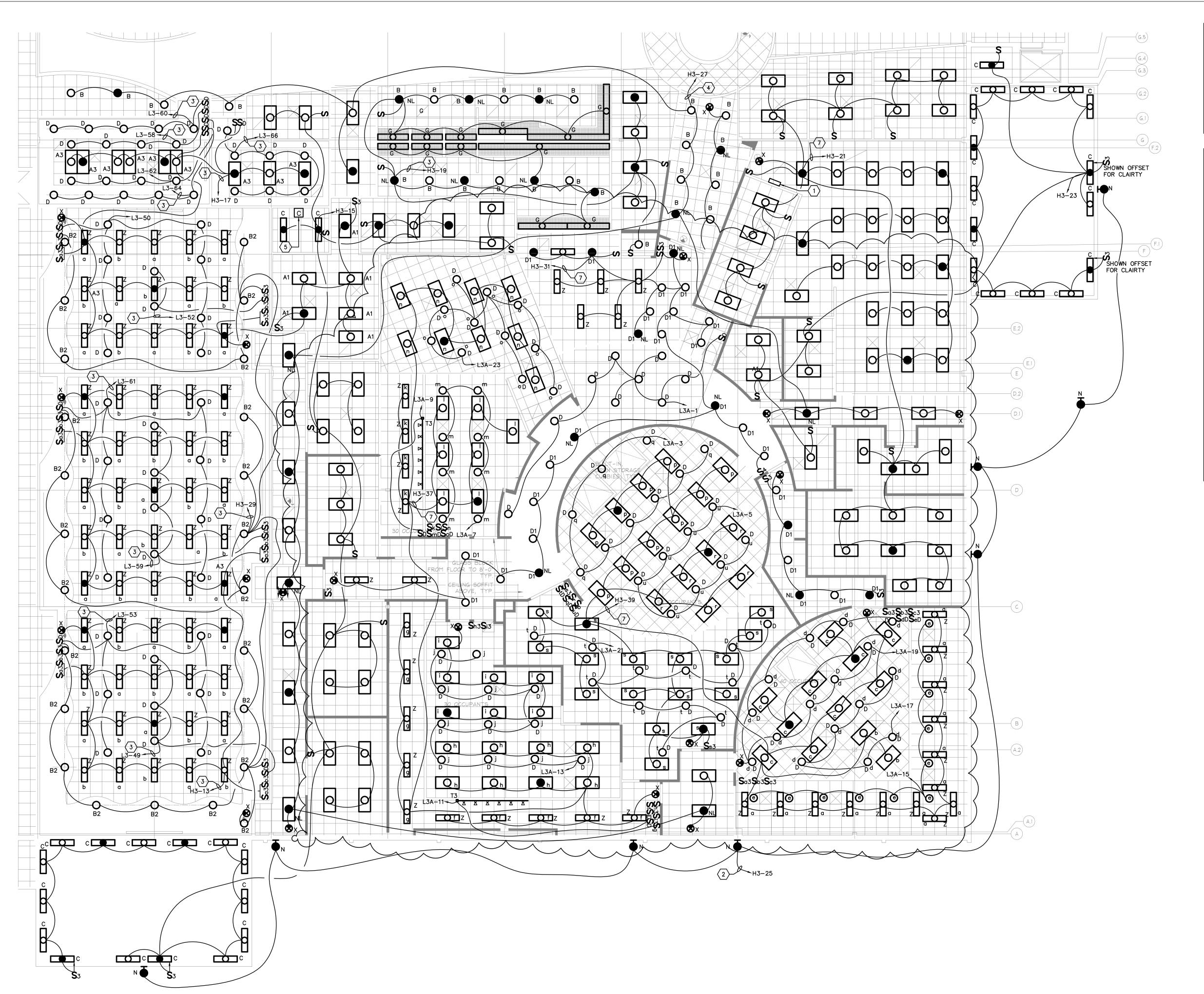
DRAWING TITLE:

PARTIAL FIRST FLOOR LIGHTING PLAN

TALE:

1/8" = 1'-0"

DRAWING NUMBER:



- 1. ALL FIXTURES SHALL BE TYPE 'A' U.O.N.
- 2. PROVIDE SWITCHING AS NECESSARY TO ACCOMMODATE SWITCHING FUNCTION AS INDICATED ON FLOOR PLAN.
- 5. ALL EMERGENCY FIXTURES AND EXIT SIGNS SHALL BE CONNECTED TO A LOCAL (WITHIN SAME ROOM) LIGHTING CIRCUIT AHEAD OF SWITCHING.

EXISTING KEYED NOTES

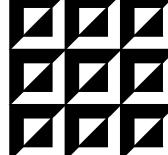
- LIGHTING CONTROL STATION. CONTROL STATION SHALL CONTROL LIGHTING CONTROL PANEL. SWITCHES SHALL BE PROVIDED BY CONTROLS CONTRACTOR. COORDINATE ZONING AND LABELING WITH CONTROLS CONTRACTOR.
- 2 PROVIDE A LIGHTING CONTACTOR (NUMBER OF POLES AS REQUIRED) THAT SHALL CONTROL EXTERIOR LIGHTING VIA EMS. COORDINATE CONTROL REQUIREMENT WITH MECHANICAL CONTRACTOR. LOCATE CONTACTORS IN ELECTRICAL ROOM.
- (3) ROUTE CIRCUIT THROUGH ZONE 'E' CONTACTOR IN ELECTRICAL ROOM.
- 4 ROUTE CIRCUIT THROUGH ZONE 'F' CONTACTOR IN ELECTRICAL ROOM.
- 5 PROVIDE MULTIPOLE CONTACTORS FOR CONTROL OF LIGHTING ZONES. REFER TO LIGHTING ZONE SCHEDULE. PROVIDE NUMBER OF POLES / CONTACTS AS REQUIRED. COORDINATE EXACT NUMBER AND LOCATION WITH CONTROLS CONTRACTOR PRIOR TO ROUGH—IN.
- 6 PROVIDE CONTRACTOR FOR SWITCH ZONE 'p' CONTACTOR SHALL BE CONTROLLED VIA VIA 3 WAY SWITCHES AT STUDIO #3. PROVIDE ALL CONTROL WIRING REQUIRED.
- 7 RUN CIRCUIT THROUGH ZONE 'Q' CONTACTOR IN ELECTRICAL ROOM.

REFERENCE DWG NOTES

 THIS IS AN EXISTING LIGHTING DRAWING BEING PROVIDED FOR REFERENCE PURPOSES ONLY. THE DRAWING IS BEING PROVIDED TO ASSIST IN THE PREPARATION OF BIDS FOR THE NEW PROPOSED DIGITAL LIGHTING CONTROL SYSTEM.

BASE BID SCOPE OF WORK NOTES

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KEY PLAN:

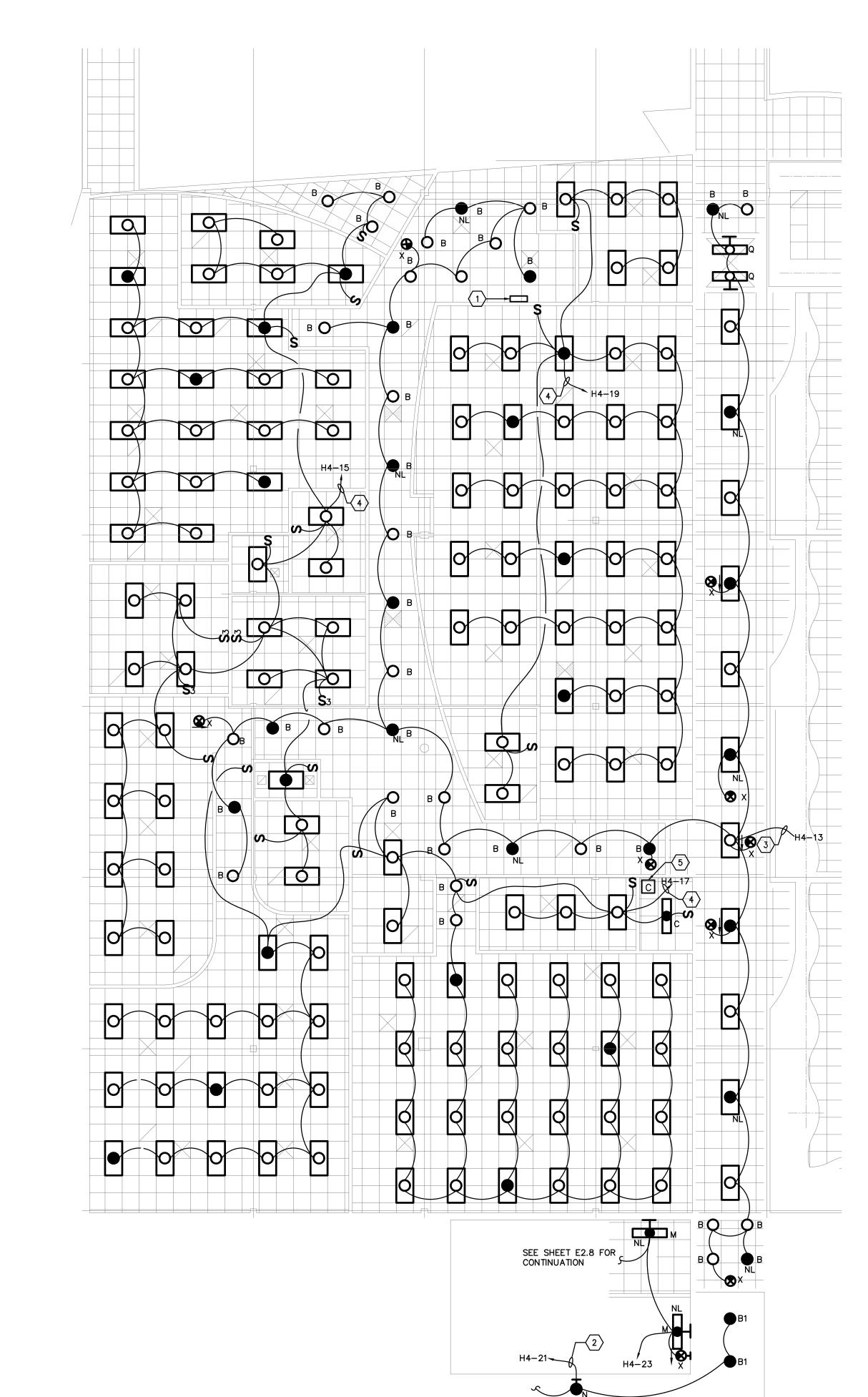
SEAL:

DRAWING TITLE:

PARTIAL FIRST FLOOR LIGHTING PLAN

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

DRAWING NUMBER:



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EXISTING GENERAL NOTES

- ALL FIXTURES SHALL BE TYPE 'A' U.O.N.
 PROVIDE SWITCHING AS NECESSARY TO ACCOMMODATE SWITCHING FUNCTION AS INDICATED ON FLOOR PLAN.
- ALL EMERGENCY FIXTURES AND EXIT SIGNS SHALL BE CONNECTED TO A LOCAL (WITHIN SAME ROOM) LIGHTING CIRCUIT AHEAD OF SWITCHING.

EXISTING KEYED NOTES

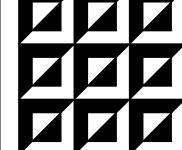
- LIGHTING CONTROL STATION. CONTROL STATION SHALL CONTROL LIGHTING CONTROL PANEL. SWITCHES SHALL BE PROVIDED BY CONTROLS CONTRACTOR. COORDINATE ZONING AND LABELING WITH CONTROLS CONTRACTOR.
- PROVIDE A LIGHTING CONTACTOR (NUMBER OF POLES AS REQUIRED) THAT SHALL CONTROL EXTERIOR LIGHTING VIA THE EMS. COORDINATE CONTROL REQUIREMENT WITH MECHANICAL CONTRACTOR. LOCATE CONTACTORS IN ELECTRICAL ROOM.
- 3 ROUTE CIRCUIT THROUGH ZONE 'G' CONTACTOR IN ELECTRICAL ROOM.
- A ROUTE CIRCUIT THROUGH ZONE 'H' CONTACTOR IN ELECTRICAL ROOM.
- PROVIDE MULTIPOLE CONTACTORS FOR CONTROL OF LIGHTING ZONES. REFER TO LIGHTING ZONE SCHEDULE. PROVIDE NUMBER OF POLES / CONTACTS AS REQUIRED. COORDINATE EXACT NUMBER AND LOCATION WITH CONTROLS CONTRACTOR PRIOR TO ROUGH—IN.

REFERENCE DWG NOTES

1. THIS IS AN EXISTING LIGHTING DRAWING BEING PROVIDED FOR REFERENCE PURPOSES ONLY. THE DRAWING IS BEING PROVIDED TO ASSIST IN THE PREPARATION OF BIDS FOR THE NEW PROPOSED DIGITAL LIGHTING CONTROL SYSTEM.

BASE BID SCOPE OF WORK NOTES

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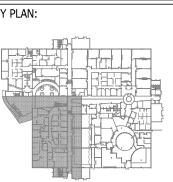
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DRAWING TITLE:

PARTIAL FIRST FLOOR LIGHTING PLAN

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

DRAWING NUMBER:

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- 1. ALL FIXTURES SHALL BE TYPE 'A' U.O.N. 2. PROVIDE SWITCHING AS NECESSARY TO ACCOMMODATE SWITCHING FUNCTION AS
- 3. ALL EMERGENCY FIXTURES AND EXIT SIGNS SHALL BE CONNECTED TO A LOCAL (WITHIN SAME ROOM) LIGHTING CIRCUIT AHEAD OF

EXISTING KEYED NOTES

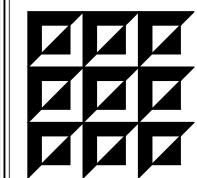
- 1 LIGHTING CONTROL STATION. CONTROL STATION SHALL CONTROL LIGHTING CONTROL PANEL. SWITCHES SHALL BE PROVIDED BY CONTROLS CONTRACTOR COORDINATE ZONING AND LABELING WITH CONTROLS CONTRACTOR.
- (2) ROUTE CIRCUIT THROUGH ZONE 'I' CONTACTOR IN ELECTRICAL ROOM.
- $3\rangle$ ROUTE CIRCUIT THROUGH ZONE 'J' CONTACTOR IN ELECTRICAL ROOM.
- 4 PROVIDE MULTIPOLE CONTACTORS FOR CONTROL OF LIGHTING ZONES. REFER TO LIGHTING ZONE SCHEDULE. PROVIDE NUMBER OF POLES / CONTACTS AS REQUIRED. COORDINATE EXACT NUMBER AND LOCATION WITH CONTROLS CONTRACTOR PRIOR TO ROUGH-IN.
- (5)ROUTE CIRCUIT THROUGH ZONE 'R' CONTACTOR IN ELECTRICAL ROOM.

REFERENCE DWG NOTES

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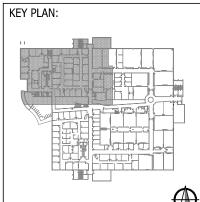
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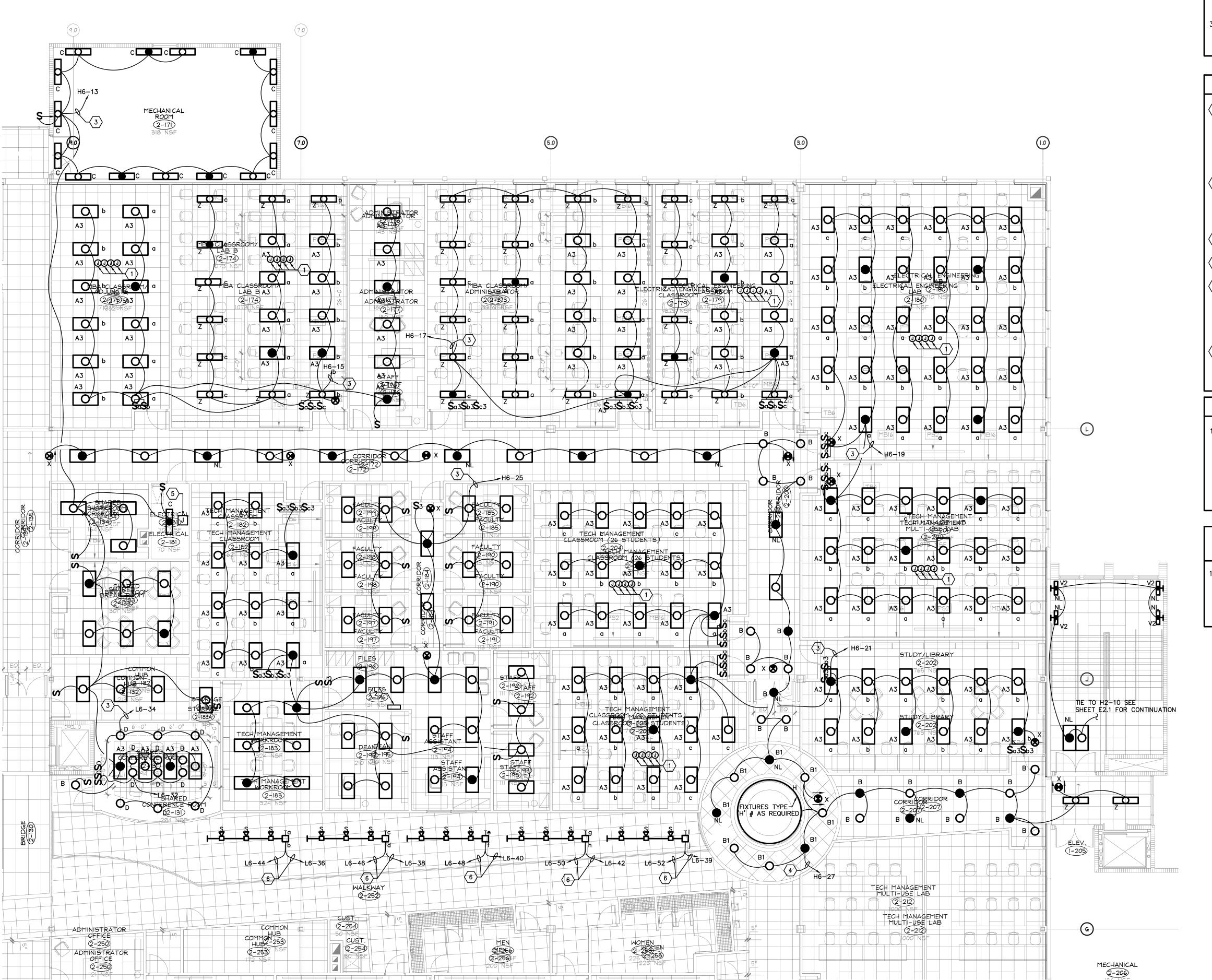


DRAWING TITLE:

PARTIAL SECOND FLOOR LIGHTING PLAN

1/8" = 1'-0"

DRAWING NUMBER:



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EXISTING KEYED NOTES

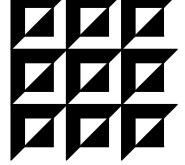
- 1 > JUNCTION BOXES FOR OCCUPANCY SENSORS AND SWITCH PACKS. PROVIDE (ONE) NOVITAS, INC. MODEL # 01-300 SENSOR AND 3 (THREE) MODEL # 13-05 SWITHCPACKS. PROVIDE ALL COMPONENTS (JUNCTION BOXES, TRANSFORMERS, DEVICES, CONDUITS, CONTROL WIRING, ETC.) NECESSARY FOR CONTROL.
- 2 LIGHTING CONTROL STATION. CONTROL STATION SHALL CONTROL LIGHTING CONTROL PANEL. SWITCHES SHALL BE PROVIDED BY CONTROLS CONTRACTOR. COORDINATE ZONING AND LABELING WITH CONTROLS CONTRACTOR.
- 3 ROUTE CIRCUIT THROUGH ZONE 'K' CONTACTOR IN ELECTRICAL ROOM.
- race4ROUTE CIRCUIT THROUGH ZONE 'L' CONTACTOR IN ELECTRICAL ROOM.
- 5 PROVIDE MULTIPOLE CONTACTORS FOR CONTROL OF LIGHTING ZONES. REFER TO LIGHTING ZONE SCHEDULE. PROVIDE NUMBER OF POLES / CONTACTS AS REQUIRED. COORDINATE EXACT NUMBER AND LOCATION WITH CONTROLS CONTRACTOR PRIOR TO ROUGH-IN.
- 6 PROVIDE 2000 WATT DIMMER SWITCH, → COORDINATE SWITCH LOCATION WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN. ROUTE CIRCUIT THROUGH ZONE 'L' CONTACTOR IN ELECTRICAL ROOM.

REFERENCE DWG NOTES

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KEY PLAN:

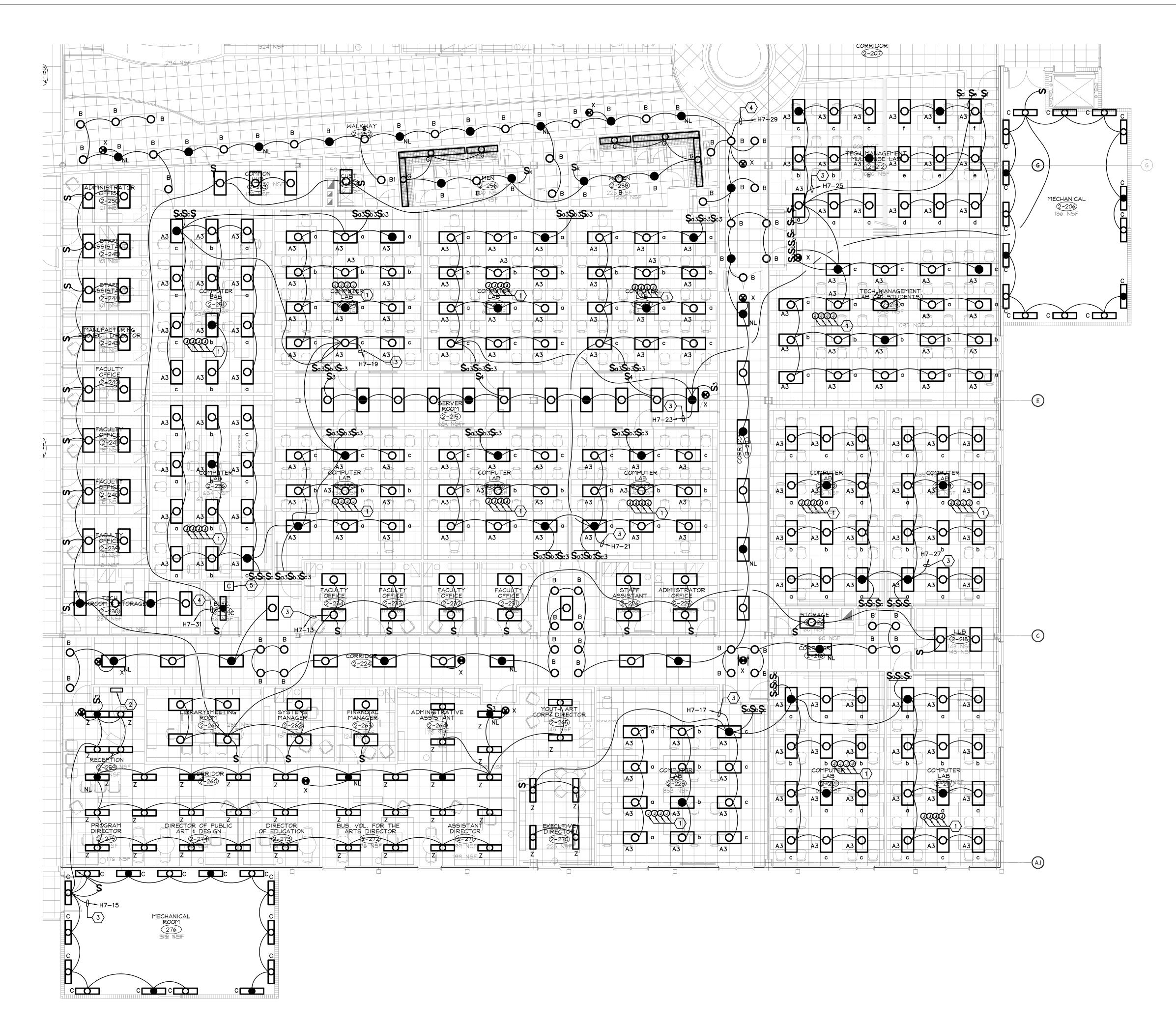
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DRAWING TITLE:

PARTIAL SECOND FLOOR LIGHTING PLAN

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

DRAWING NUMBER:



- 1. ALL FIXTURES SHALL BE TYPE 'A' U.O.N.
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EXISTING KEYED NOTES

- 1 > JUNCTION BOXES FOR OCCUPANCY SENSORS AND SWITCH PACKS. PROVIDE (ONE) NOVITAS, INC. MODEL # 01-300 SENSOR AND 3 (THREE) MODEL # 13-05 SWITHCPACKS. PROVIDE ALL COMPONENTS (JUNCTION BOXES, TRANSFORMERS, DEVICES, CONDUITS, CONTROL WIRING, ETC.) NECESSARY FOR CONTROL.
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- 3 ROUTE CIRCUIT THROUGH ZONE 'P' CONTACTOR IN ELECTRICAL ROOM.
- ROUTE CIRCUIT THROUGH ZONE 'N' CONTACTOR IN ELECTRICAL ROOM.
- 5 PROVIDE MULTIPOLE CONTACTORS FOR CONTROL OF LIGHTING ZONES. REFER TO LIGHTING ZONE SCHEDULE. PROVIDE NUMBER OF POLES / CONTACTS AS REQUIRED. COORDINÁTE EXACT NUMBER AND LOCATION WITH CONTROLS CONTRACTOR PRIOR TO ROUGH-IN.

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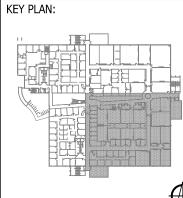


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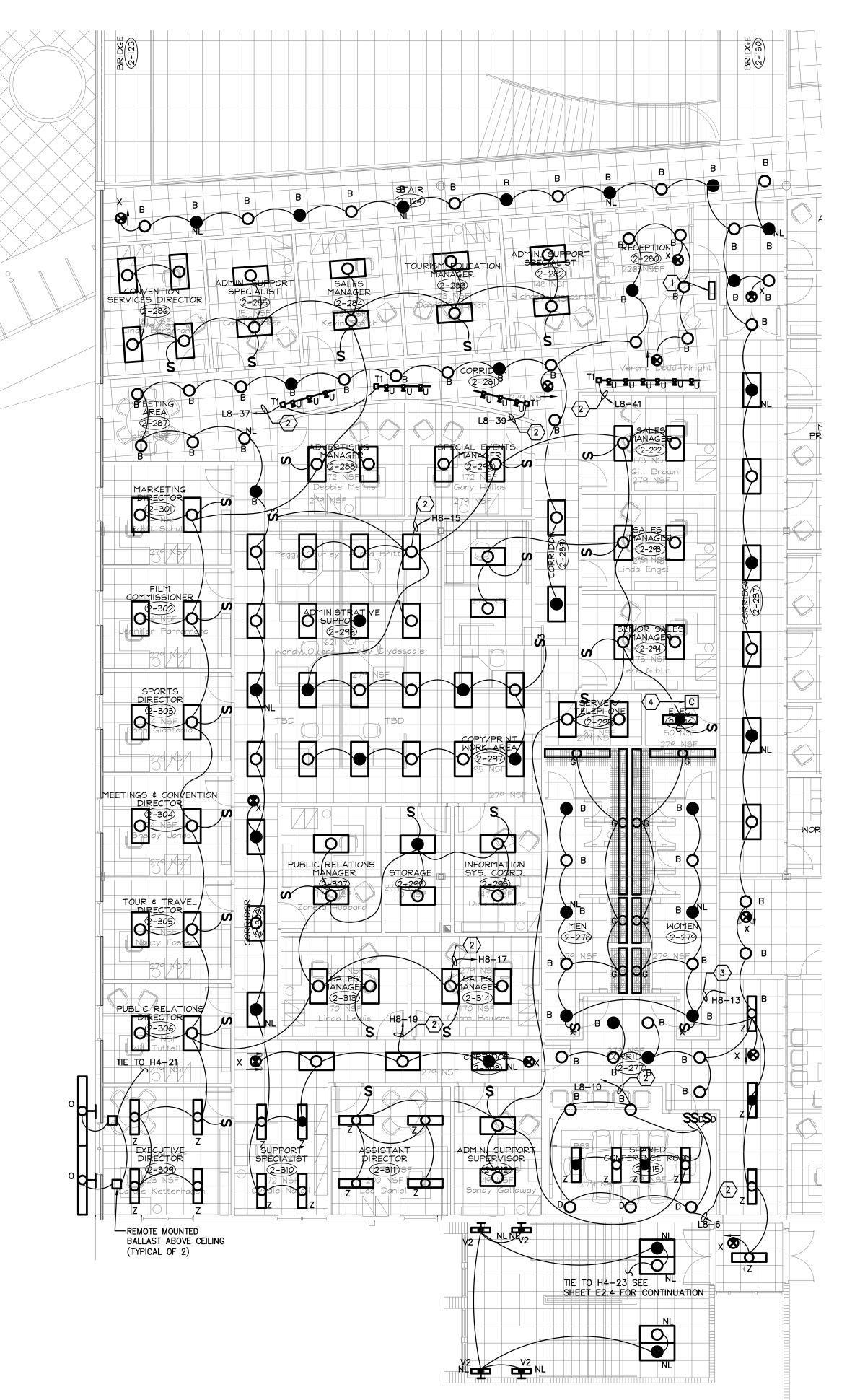


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PARTIAL SECOND FLOOR LIGHTING PLAN

1/8" = 1'-0"

DRAWING NUMBER:



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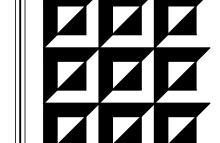
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ST. PETERSBURG

KEY PLAN:

SEAL:

DRAWING TITLE:

PARTIAL SECOND FLOOR LIGHTING PLAN

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

DRAWING NUMBER:

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NORTH: