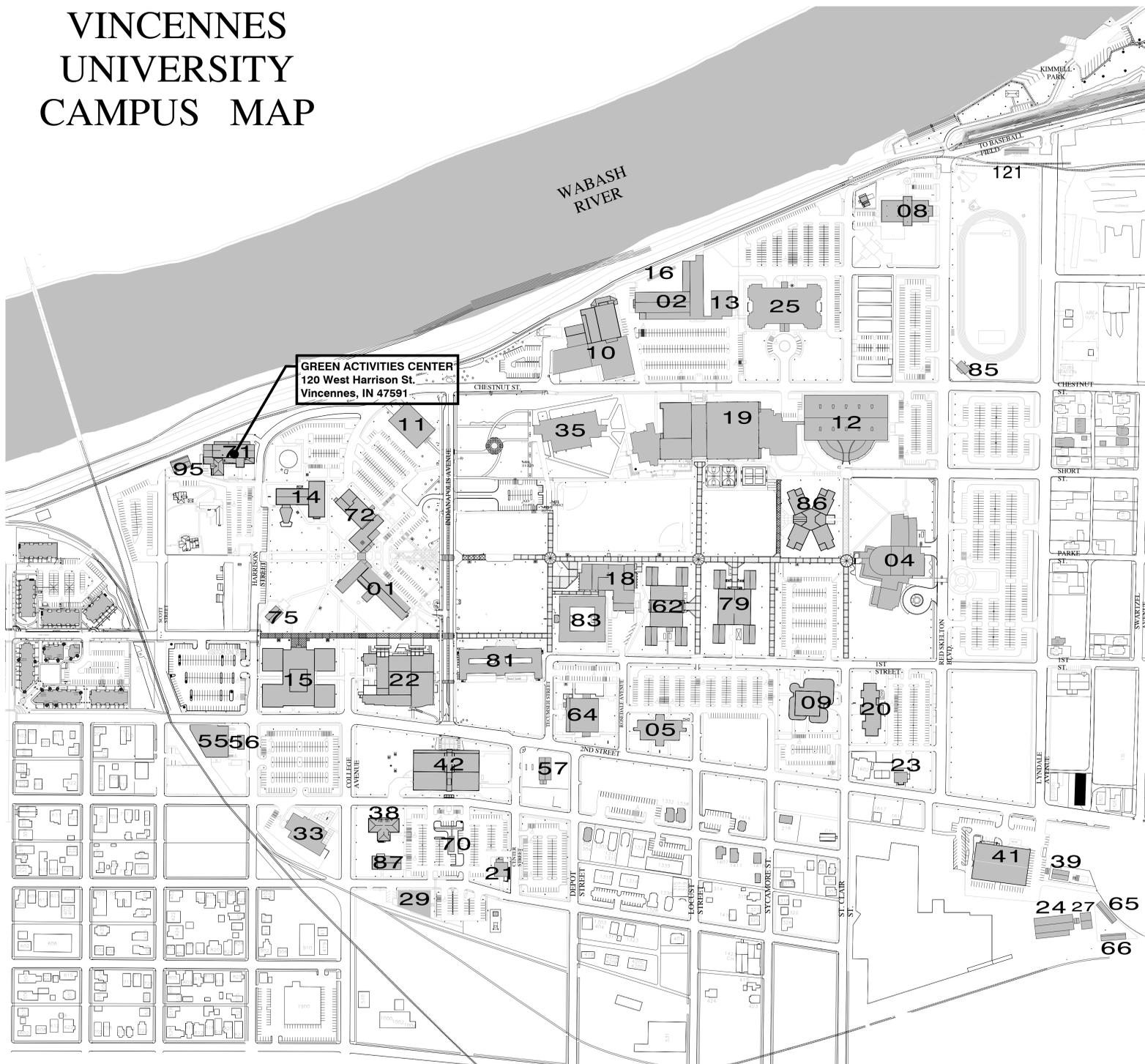


# GREEN ACTIVITIES CENTER PARTIAL RENOVATIONS

Project #: 71GA-22-01  
VINCENNES CAMPUS

## VINCENNES UNIVERSITY CAMPUS MAP



HOLEY MOLEY SAYS  
"DON'T DIG BLIND"



**"IT'S THE LAW"**  
CALL 24 HOURS: 1-800-382-5544  
CALL TOLL FREE  
PER INDIANA STATE LAW (5-49-1995)  
IT IS AGAINST THE LAW TO EXCAVATE  
WITHOUT NOTICING THE UNDERGROUND  
LOCATION SERVICE (NO. 12) WORKING  
DAYS BEFORE COMMENCING WORK.

### BUILDING LOCATIONS

- 01 WAB WELSH ADMINISTRATION BUILDING  
16 W. INDIANAPOLIS AVE.
- 02 AYB AUTOMOTIVE TECHNOLOGY BLDG.  
1500 N. CHESTNUT ST.
- 03 RSPAC RED SKELTON PERFORMING ARTS CENTER  
20 RED SKELTON BOULEVARD
- 05 BDB THOMAS W. WATKINS BUSINESS DIVISION BLDG.  
120 N. SECOND ST.
- 08 CTB CONSTRUCTION TECHNOLOGY BLDG.  
254 W. RED SKELTON BOULEVARD
- 09 HSB HOMETOWN SECURITY BUILDING  
121 E. ST. CLAIR ST.
- 10 TC TECHNOLOGY CENTER / EBNER RESIDENCE HALL  
180 N. CHESTNUT ST.
- 11 RBC RAY C. BELESS GYMNASIUM  
116 W. INDIANAPOLIS AVE.
- 13 ABB AUTO BODY BUILDING  
1400 N. CHESTNUT ST.
- 14 CHS CENTER FOR HEALTH SCIENCES  
27 W. HARRISON ST.
- 15 SHC SHELDON HUMANITIES CENTER  
130 E. HARRISON ST.
- 16 ATS AUTOMOTIVE TECHNOLOGY SHED  
1300 N. CHESTNUT ST.
- 17 CT CLOCK TOWER  
CORNER OF 2ND & ST. CLAIR ST.
- 18 TDC TECUMSEH DINING CENTER  
15 E. ROSDALE ST.
- STUDENT ACTIVITIES COMPLEX  
12 RSF DONALD G. BELL RECREATION CENTER  
1600 SHORT STREET
- 19 PEC PHYSICAL ED. COMPLEX  
140 N. CHESTNUT ST.
- 19 PEC AQUATIC CENTER  
140 N. CHESTNUT ST.
- 19 PEC BOWLING CENTER  
140 N. CHESTNUT ST.
- 19 PEC JEFFERSON UNION  
140 N. CHESTNUT ST.
- 20 PMSB PHILLIP M. SUMMERS CENTER  
118 E. ST. CLAIR ST.
- 21 SP STEAM PLANT  
128 N. FOURTH ST.
- 22 LRC CURTIS G. SHARPE LEARNING RESOURCE CENTER  
LEWIS HISTORICAL WING  
130 E. COLLEGE AVE.
- 23 VUH VU HOSPITALITY HOUSE  
1620 N. SECOND STREET
- 24 PPS PHYSICAL PLANT STORAGE FACILITY  
1721 N. SECOND ST.
- 25 ICAT VAN EXTON INDIANA CENTER FOR APPLIED TECH  
1400 N. CHESTNUT ST.
- 27 PPS PHYSICAL PLANT BUS STORAGE  
1723 N. SECOND ST.
- 29 YB COMMUNITY SERVICES/ZELLA YOUNG BLDG.  
1023 N. FOURTH ST.
- 33 AD CENTER FOR ART & DESIGN  
921 N. THIRD ST.
- 35 UPDICE HALL  
Center for Science, Engineering & Mathematics 1251 N. Chestnut St.  
100 N. THIRD ST.
- 38 DC LOUIE O. DAYSON FOUNDATION & ALUMNI CTR.  
1725 N. SECOND ST.
- 39 PFG PHYSICAL PLANT GREENHOUSE  
1719 N. 2ND ST.
- 41 PP PHYSICAL PLANT  
1719 N. 2ND ST.
- 42 BSU ISAAC K. BECKES STUDENT UNION  
108 N. 2ND ST.
- 55 WTC WELDING TECH / PLANNING & PURCHASING  
819/817 N. 2ND ST.
- 56 ST STORAGE BUILDING  
807 N. 2ND ST.
- 57 SIB SECURITY & INFORMATION BUILDING  
1201 N. SECOND ST.
- 62 VH FRANCIS YIGO RESIDENCE HALL  
3 E. LOCKST.
- 64 DH WALTER A. DAVIS HALL  
1200 N. SECOND ST.
- 65 PPS PHYSICAL PLANT STORAGE BUILDING (OPEN)  
1723 N. SECOND ST.
- 66 PPS PHYSICAL PLANT STORAGE BUILDING (OPEN)  
1725 N. SECOND ST.
- 70 HS HACK & SIMON BUILDING  
314 W. INDIANAPOLIS AVENUE
- 71 GA ROBERT E. GREEN ACTIVITIES CENTER  
120 W. HARRISON ST.
- 72 GVH GOVERNOR'S HALL  
21 W. INDIANAPOLIS AVE.
- 75 MCC MARIA CREEK CHAPEL  
56 E. HARRISON ST.
- 79 GH MARIE ELIZABETH GODDARE RESIDENCE HALL  
1420 N. FIRST ST.
- 81 CH GEORGE ROGERS CLARK RESIDENCE HALL  
1 W. INDIANAPOLIS AVE.
- 82 HH WILLIAM HENRY HARRISON RESIDENCE HALL  
101 W. INDIANAPOLIS AVE.
- 83 MH JOHN MORRIS RESIDENCE HALL  
1200 N. FIRST ST.
- 85 TH TRACK HOUSE  
201 W. RED SKELTON BLVD.
- 86 VRH HENRY & FRANCOIS VANDERBURGH HALL  
29 W. ST. CLAIR ST.
- 87 ES EXTENDED STUDIES, DISTANCE EDUCATION,  
MILITARY EDUCATION  
600 N. FOURTH ST.
- 95 MRIC MAILROOM / IMAGING CENTER  
11 W. SCOTT ST.
- 121 MSB MAINTENANCE STORAGE BUILDING  
330 W. LYNDALE AVENUE

DRAWING INDEX	
G0.0	COVER SHEET
G0.1	LIFE SAFETY PLAN
AD1.1	DEMOLITION PLAN
A1.1	FLOOR PLANS
A1.2	REFLECTED CEILING PLAN
A1.3	SECTIONS
A1.4	SCHEDULES & DETAILS
A2.0	ELEVATIONS
M1	MECHANICAL DEMOLITION PLAN
M2	ROOF LEVEL MEP DEMOLITION PLAN
M3	MECHANICAL DUCTWORK PLAN
M4	MECHANICAL PIPING PLAN
M5	ROOF LEVEL MEP PLAN
M6	MECHANICAL SCHEDULES
M7	MECHANICAL DETAILS 1
M8	MECHANICAL DETAILS 2
E1	ELECTRICAL DEMOLITION PLAN
E2	ELECTRICAL LIGHTING PLAN
E3	ATTIC ELECTRICAL LIGHTING PLAN
E4	ELECTRICAL POWER/SYSTEMS PLAN
E5	ELECTRICAL I.T. PLAN
E6	ELECTRICAL DETAILS
P1	PLUMBING DEMOLITION PLAN
P2	PLUMBING PLAN
FP1	FIRE PROTECTION PLAN
FP2	FIRE PROTECTION SITE UTILITY PLAN

SYMBOL LEGEND				
	REFERENCE NUMBER	SECTION		DEMOLITION NOTE
	SHEET NUMBER	SECTION		KEYED NOTE
	REFERENCE NUMBER	DETAIL		V.I.F. VERIFY IN FIELD
	SHEET NUMBER	DETAIL		EXIST. EXISTING
	REFERENCE NUMBER	WALL ELEVATION		DEMO. DEMOLISHED
	SHEET NUMBER	WALL ELEVATION		RELOC. RELOCATED

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 ARCHITECT: ANDREW YOUNG

CONSULTANT:  
**GREEN ACTIVITIES CENTER  
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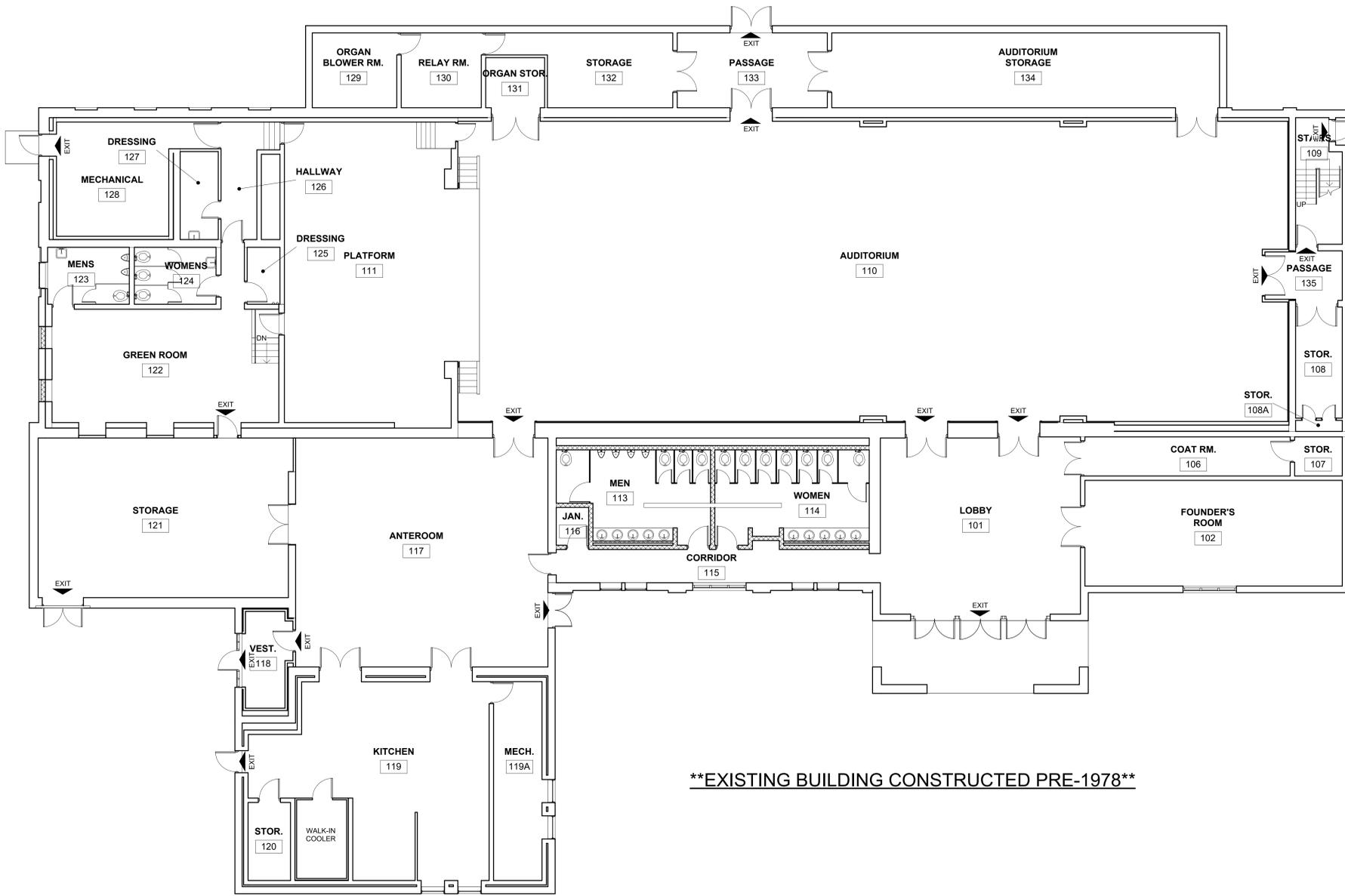
# G0.0

COVER SHEET

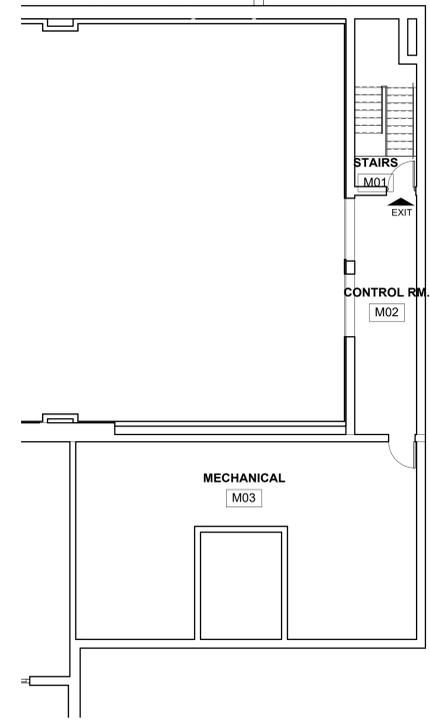
**GENERAL NOTES**

- UNLESS OTHERWISE NOTED, PROVIDE ALL MATERIALS AND EQUIPMENT, AND PROVIDE ALL LABOR REQUIRED FOR COMPLETE PROJECT AS INDICATED ON THE DRAWINGS, AS SPECIFIED, AND AS REQUIRED BY CODE.
- UNLESS OTHERWISE NOTED, THE CONTRACTOR IS RESPONSIBLE FOR THE MOVING OF ANY FURNITURE, EQUIPMENT, ETC. NEEDED TO PERFORM THE SPECIFIED WORK. CONTRACTOR SHALL TAKE CARE NOT TO CAUSE ANY DAMAGE TO THE SAME. IF DEEMED NECESSARY BY THE OWNER, IT WILL BE THE CONTRACTORS' RESPONSIBILITY TO REPAIR OR REPLACE THE DAMAGED FURNITURE OR EQUIPMENT AT THEIR COST.
- UNLESS OTHERWISE NOTED, ALL EXIST WALL-HUNG PICTURE FRAMES, PLAQUES, POSTERS, CLOCKS, PENCIL SHARPENERS, TACK BOARDS, HAND SANITIZER DISPENSERS, SOAP DISPENSERS, PAPER TOWEL DISPENSERS, ETC. TO BE REMOVED BY GENERAL CONTRACTOR AND RETURNED TO THE OWNER
- CONTRACTOR SHALL PROTECT ALL EXISTING WALL FINISHES, FLOOR FINISHES, DOOR OPENINGS, ETC. FROM DAMAGE DURING CONSTRUCTION. IT WILL BE THE CONTRACTORS RESPONSIBILITY TO REFINISH, REPAIR AND/OR REPLACE ANY DAMAGED FINISHES.
- CONTRACTOR SHALL COORDINATE WITH THE OWNER DAILY WORKING HOURS, WEEKEND HOURS, AND HOURS THAT MAY BE WORKED PRIOR TO AND DURING HOLIDAYS.
- CONTRACTOR SHALL ESTABLISH WITH THE OWNER CLEAN UP PROCEDURES AND GUIDELINES TO BE FOLLOWED ON A WEEKLY BASIS TO ALLOW THE OWNER TO CONDUCT BUSINESS IN A SAFE AND CLEAN ENVIRONMENT.
- CONTRACTOR SHALL MAINTAIN A CLEAR AND UNOBSTRUCTED PATHWAY AT ALL EXITS DURING DEMOLITION AND NEW CONSTRUCTION WORK.
- CONTRACTOR SHALL COORDINATE WITH THE OWNER, AN AREA FOR STAGING OF CONSTRUCTION MATERIALS, EQUIPMENT, JOB SITE TRAILER (IF APPLICABLE), DUMPSTER AND WORK VEHICLES.
- CONTRACTOR SHALL COORDINATE WITH THE OWNER DESIGNATED PARKING AREAS TO BE USED FOR THE PURPOSE OF PARKING CONSTRUCTION AND DELIVERY VEHICLES.
- THE GENERAL CONTRACTOR SHALL PROVIDE TEMPORARY OUTDOOR PORTABLE RESTROOM FACILITIES. THE USE OF THE OWNER'S RESTROOM FACILITIES WILL NOT BE ALLOWED.
- DUST BARRIERS SHALL BE USED BY THE CONTRACTOR TO MINIMIZE DISTURBANCE OF DAILY OWNER OPERATIONS DURING DEMOLITION AND NEW CONSTRUCTION WORK. DUST PARTITIONS SHALL EXTEND FROM THE FLOOR TO THE CEILING. THE USE AND LOCATION OF DUST BARRIERS SHALL BE COORDINATED WITH THE OWNER AND THE ARCHITECT.
- VERIFY ALL EXISTING CONDITIONS THAT AFFECT THE WORK PRIOR TO STARTING DEMOLITION, INCLUDING, BUT NOT LIMITED TO, DIMENSIONS, QUANTITIES, SIZES, CONDITIONS, ETC.
- ALL CHANGES SHALL BE APPROVED BY THE ARCHITECT / OWNER PRIOR TO PROCEEDING WITH THE WORK.
- CONTRACTORS ENCOUNTERING EXISTING MATERIAL WHICH IS SUSPECTED OF CONTAINING ASBESTOS SHALL STOP WORK IMMEDIATELY AND NOTIFY THE OWNER AND THE OWNERS REPRESENTATIVE.
- ALL EXISTING CONSTRUCTION AFFECTED BY THE DEMOLITION WORK SHALL BE PATCHED AND REPAIRED AS REQUIRED TO RECEIVE NEW FINISHES. ALL PATCHING AND REPAIR WORK RELATED TO THE DEMOLITION OR SPECIFICALLY NOTED ON THIS SHEET SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR WHO WOULD INSTALL THE PATCHED OR REPAIRED MATERIAL IF IT WERE IN NEW CONSTRUCTION.
- ALL EXISTING FLOOR SUBSTRATES AND WALLS, UNLESS NOTED OTHERWISE, SHALL BE LEVELED AND PATCHED AS REQUIRED TO RECEIVE NEW CONSTRUCTION AND FINISHES.
- UNLESS OTHERWISE SPECIFIED, ALL MATERIALS AND EQUIPMENT INCORPORATED IN THE WORK SHALL BE NEW. ALL WORKMANSHIP SHALL BE FIRST CLASS AND SHALL BE PERFORMED BY PERSONS QUALIFIED IN THEIR RESPECTIVE TRADES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS, LICENSES, AND INSPECTIONS FROM THE AUTHORITIES HAVING JURISDICTION, AND SHALL PAY FOR THE COST OF SUCH.
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING A CLEAN AND ORDERLY PROJECT SITE THROUGHOUT CONSTRUCTION AND FOR PROTECTING THE WORK. OWNER RESERVES THE RIGHT TO PERFORM CLEANUP UPON FAILURE OF THE CONTRACTOR TO DO SO. OWNER IS ENTITLED TO REIMBURSEMENT FROM THE CONTRACTOR FOR CLEANUP SERVICES.
- CONTRACTOR SHALL EXPEDITE THE PREPARATION AND SUBMITTAL OF SHOP DRAWINGS TO THE ARCHITECT AND SHALL ALLOW SUFFICIENT TIME FOR REVIEW, FABRICATION, AND/OR PURCHASE AND DELIVERY OF MATERIALS AND EQUIPMENT.
- CONTRACTOR IS RESPONSIBLE FOR BECOMING FAMILIAR WITH ALL REQUIREMENTS, MATERIALS AND METHODS AS DESCRIBED IN THE SEPARATE WRITTEN PROJECT MANUAL FOR THIS PROJECT.
- CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, AND SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES, AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
- CONTRACTOR SHALL BE RESPONSIBLE TO THE OWNER FOR ACTS AND OMISSIONS OF THE CONTRACTORS EMPLOYEES, SUBCONTRACTORS, AND OTHER PERSONS OR ENTITIES PERFORMING THE WORK FOR THE CONTRACTOR OR SUBCONTRACTORS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTION OF PORTIONS OF THE WORK ALREADY PERFORMED TO DETERMINE THAT SUCH PORTIONS ARE IN PROPER CONDITION TO RECEIVE SUBSEQUENT WORK.
- UNLESS OTHERWISE NOTED, CONTRACTOR SHALL PROVIDE AND PAY FOR LABOR, MATERIALS, EQUIPMENT, TOOLS, CONSTRUCTION EQUIPMENT, MACHINERY, WATER, HEAT, UTILITIES, TRANSPORTATION, AND OTHER FACILITIES AND SERVICES NECESSARY FOR PROPER EXECUTION AND COMPLETION OF THE WORK, WHETHER TEMPORARY OR PERMANENT, AND WHETHER OR NOT INCORPORATED INTO THE WORK.
- CONTRACTOR WARRANTS TO OWNER AND ARCHITECT THAT MATERIALS AND EQUIPMENT FURNISHED UNDER THE CONTRACT WILL BE OF GOOD QUALITY AND NEW UNLESS OTHERWISE REQUIRED OR PERMITTED BY THE CONTRACT DOCUMENTS.
- IF CONTRACTOR ENCOUNTERS CONDITIONS AT THE SITE THAT ARE SUBSURFACE OR OTHERWISE CONCEALED, THAT DIFFER MATERIALLY FROM WHAT IS INDICATED IN THE CONTRACT DOCUMENTS, CONTRACTOR SHALL NOTIFY ARCHITECT PRIOR TO DISTURBING SUCH CONDITIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING, FITTING, OR PATCHING REQUIRED TO COMPLETE THE WORK. ALL AREAS SHALL BE RESTORED TO THE CONDITION EXISTING PRIOR TO CUTTING, FITTING, OR PATCHING, UNLESS OTHERWISE REQUIRED.
- ALL CONCRETE MATERIALS SHALL BE PROVIDED & INSTALLED BY THE CONTRACTOR. THIS INCLUDES ALL ACCESSORIES AND MATERIALS REQUIRED TO PERFORM THE WORK. THE OWNER WILL NOT BE PROVIDING ANY MATERIALS OR WORK.
- UNLESS NOTED OTHERWISE, ALL CONCRETE SHALL HAVE 4,000 PSI MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS.
- UNLESS NOTED OTHERWISE, ALL CONCRETE REINFORCING STEEL SHALL BE GRADE 60 (60,000 PSI TENSILE STRENGTH), MINIMUM CONCRETE COVER OVER REINFORCING STEEL SHALL BE AS FOLLOWS: CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3 INCHES; FORMED CONCRETE EXPOSED TO EARTH OR WEATHER: #5 BAR AND SMALLER: 1 1/2 INCHES; FORMED CONCRETE EXPOSED TO EARTH OR WEATHER: LARGER THAN #5 BAR: 2 INCHES; FORMED CONCRETE NOT EXPOSED TO EARTH OR WEATHER (SLABS AND WALLS): #11 AND SMALLER BARS: 3/4 INCH; FORMED CONCRETE NOT EXPOSED TO EARTH OR WEATHER (SLABS AND WALLS) LARGER THAN #11 BAR: 1 1/2 INCH; FORMED CONCRETE NOT EXPOSED TO EARTH OR WEATHER (BEAMS AND COLUMNS): 1 1/2 INCH.
- ALL CONSTRUCTION DEBRIS TO BE DISPOSED OF LEGALLY OFF SITE, UNLESS NOTED OTHERWISE.
- PERFORM WASHOUT OF CONCRETE TRUCKS OFFSITE OR IN DESIGNATED AREAS ONLY. WASHOUT SHALL BE DONE & DISPOSED OF IN A LAWFUL MANNER.
- CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL LAWNS, LANDSCAPING, WALKS, ETC. DAMAGED DURING CONSTRUCTION.
- ALL WORK SHALL COMPLY W/ APPLICABLE NATIONAL, STATE LOCAL CODES AND ORDINANCES.

CODE SUMMARY	
Applicable Code:	2014 Indiana Building Code (IBC 2012)
Occupancy Classification:	Group A2 - Assembly [304]
Scope of Project:	Renovation of the building's HVAC system, lighting, windows, masonry and...
Applicability of Code to the Project:	Alteration are permitted to the existing building without requiring the entire building or portions of the existing building unaffected by the proposed scope of work to be brought into compliance with current code. The proposed scope of construction will comply with current code. [Rule 4, Section 12, GAR] The project does not include a change of occupancy per rule 4, section 11(b), GAR - The building is an existing A2 Occupancy and will remain so after...
Construction Type:	Type V B - existing
Building Area and Height:	No additions, additional square footage or height is added by the scope of...
Building Elements - Fire-Resistive Requirements	Bearing walls, structural frame, and roof assembly are required to be 1 hour rated construction. [Table 601] Exterior non load bearing walls are permitted to be non-rated based upon fire separation distance exceeding 10 feet or more. [Table 602] Penetrations through fire-resistance-rated assemblies shall be provided with firestopping. Ceiling and floor openings through non-fire-resistance-rated assemblies shall...
Incidental Use Separations:	None applicable to this project. [509.2]
Exit Travel Distance:	The maximum travel distance to an exterior exit is permitted to be a maximum of 200 feet. [Table 1016.2]
Occupant Load Factors:	[Table 1004.1.2] Assembly without fixed seating 7 sf per occupant net Platforms 15 sf per occupant net Business areas 100 sf per occupant gross Storage/Mechanical 300 sf per occupant gross
Means of Egress:	2 means of egress are required from any room with a calculated occupant load of 50 or more, or where exceeding 75 feet common path of travel in A...
Fire Alarm System:	Fire alarm system required throughout for an A occupancy with an occupant load of 300 or more. [907.2.1]
Smoke Detectors:	Smoke detectors are required for HVAC shutdown for systems delivering in excess of 2,000 cfm. [606.1, IMC]



**\*\*EXISTING BUILDING CONSTRUCTED PRE-1978\*\***



**2 SECOND FLOOR LIFE SAFETY PLAN**  
1/8" = 1'-0"

**1 FIRST FLOOR LIFE SAFETY PLAN**  
1/8" = 1'-0"

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CONSULTANT:

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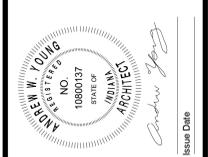
#	Revision	Date

Date: 02-02-2023  
Drawn By: JGW  
Checked By: AWY

**G0.1 LIFE SAFETY PLAN**

**GENERAL NOTES**

SEE SHEET G0.1 FOR GENERAL NOTES.



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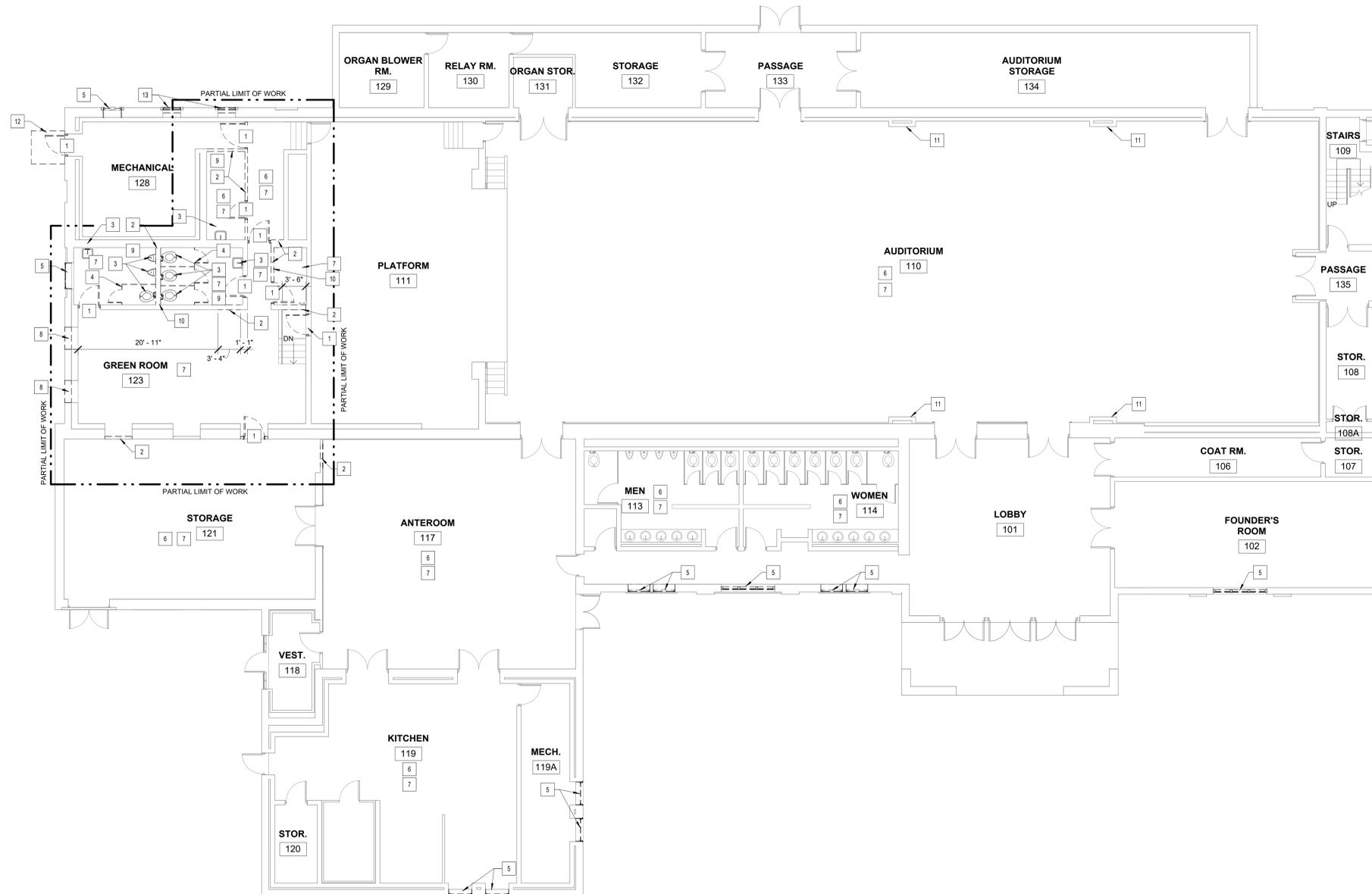
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**DEMOLITION PLAN KEYED NOTES** [XX]

THE FOLLOWING KEYED NOTES ARE GENERAL IN NATURE AND ADDITIONAL WORK MAY BE REQUIRED FOR COMPLETION OF NEW CONSTRUCTION.

THE FOLLOWING KEYED NOTES ARE THE RESPONSIBILITY OF THE CONTRACTOR, UNLESS SPECIFICALLY NOTED OTHERWISE.

- 1 EXISTING DOOR AND FRAME TO BE REMOVED IN ITS ENTIRETY
- 2 EXISTING WALL TO BE REMOVED AS INDICATED
- 3 EXISTING PLUMBING FIXTURE TO BE REMOVED. RELOCATE EXISTING SUPPLY AND SANITARY LINES AS NEEDED PER NEW LAYOUT. IF EXISTING SUPPLY AND SANITARY LINES WILL NOT BE USED IN NEW LAYOUT, CAP EXISTING LINES A MINIMUM OF 6" BELOW FINISH FLOOR. SEE PLUMBING DRAWINGS.
- 4 EXISTING TOILET PARTITION WALLS AND DOOR TO BE REMOVED
- 5 EXISTING WINDOW, FRAME AND SILL TO BE REMOVED IN ITS ENTIRETY
- 6 EXISTING LAY-IN CEILING AND GRID SYSTEM TO BE REMOVED
- 7 ALL EXISTING LIGHT FIXTURES TO BE REMOVED. PATCH CEILINGS AS REQUIRED TO RECEIVE NEW FINISHES. SEE ELECTRICAL DRAWINGS
- 8 EXISTING BRICK AND MASONRY WINDOW INFILL TO BE REMOVED TO EXTENTS OF ORIGINAL WINDOW
- 9 REMOVE ALL ACCESSORIES FROM WALLS. SALVAGE AND TURN OVER TO OWNER.
- 10 PATCH AND REPAIR CEILING, FLOOR AND ADJACENT WALLS AS REQUIRED TO RECEIVE NEW FINISHES.
- 11 REMOVE EXISTING WALL COVERING AROUND COLUMNS ONLY. PATCH AND REPAIR COLUMN TO RECEIVE NEW FINISH.
- 12 REMOVE EXISTING CONCRETE PAD
- 13 EXISTING LOUVERS TO BE REMOVED, COORDINATE WITH MECHANICAL. REMOVE EXISTING FRAME, STONE HEAD AND SILL.



**1 GROUND FLOOR DEMOLITION PLAN**  
1/8" = 1'-0"

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**GREEN ACTIVITIES CENTER  
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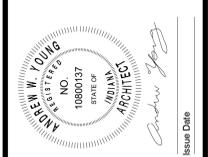
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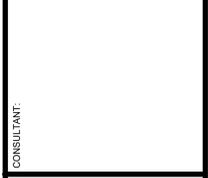
**AD1.1**  
DEMOLITION PLAN





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Checked By: Checker

**A1.2**  
REFLECTED  
CEILING PLAN

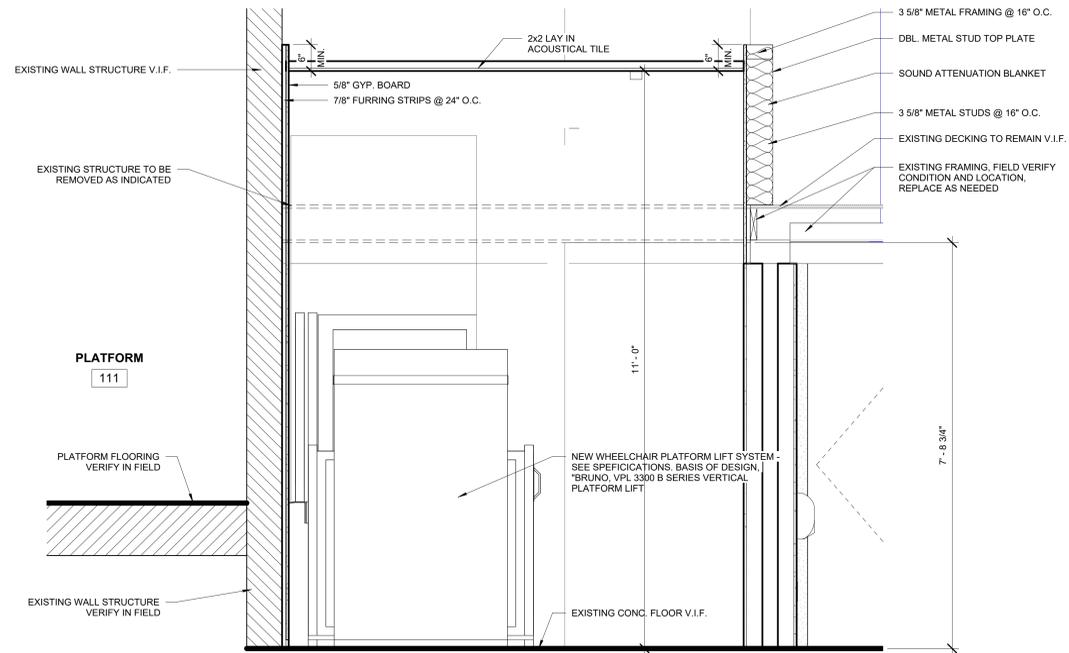
**GENERAL NOTES**  
SEE SHEET G0.1 FOR GENERAL NOTES.

- CEILING PLAN NOTES** (XX)
- THE FOLLOWING KEYED NOTES ARE GENERAL IN NATURE AND ADDITIONAL WORK MAY BE REQUIRED FOR COMPLETION OF NEW CONSTRUCTION.
- THE FOLLOWING KEYED NOTES ARE THE RESPONSIBILITY OF THE CONTRACTOR, UNLESS SPECIFICALLY NOTED OTHERWISE:
1. EXISTING CEILING TO REMAIN. ELECTRICAL AND MECHANICAL CONTRACTORS ARE RESPONSIBLE FOR REPAIR/REPLACE OF ANY DAMAGED CEILING TILE OR GRID SYSTEM THAT IS CAUSED AS A DIRECT RESULT OF THEIR WORK.
  2. EXISTING BULKHEAD TO REMAIN. ELECTRICAL AND MECHANICAL CONTRACTORS ARE RESPONSIBLE FOR REPAIR OF ANY DAMAGE THAT IS CAUSED AS A DIRECT RESULT OF THEIR WORK.
  3. EXISTING PLASTER CEILING TO REMAIN. ELECTRICAL AND MECHANICAL CONTRACTORS ARE RESPONSIBLE FOR REPAIR OF ANY DAMAGE THAT IS CAUSED AS A DIRECT RESULT OF THEIR WORK.
  4. EXISTING GYP. BOARD CEILING TO REMAIN. ELECTRICAL AND MECHANICAL CONTRACTORS ARE RESPONSIBLE FOR REPAIR OF ANY DAMAGE THAT IS CAUSED AS A DIRECT RESULT OF THEIR WORK.
  5. NEW 2X2 LAY-IN ACOUSTICAL TILE CEILING. +8'-5" AFF AT BOTTOM OF RAMP AND 8'-0" AFF AT TOP OF RAMP.
  6. NEW 2X2 LAY-IN ACOUSTICAL TILE CEILING.
  7. EXISTING PLASTER CEILING TO REMAIN. PATCH AND REPAIR AS REQUIRED TO FINISH CONDITION.
  8. EXISTING PLYWOOD CEILING TO REMAIN.
  9. NEW 2X4 LAY-IN ACOUSTICAL TILE CEILING.
- \*\*PROTECT ALL LIGHT FIXTURES TO REMAIN\*\***

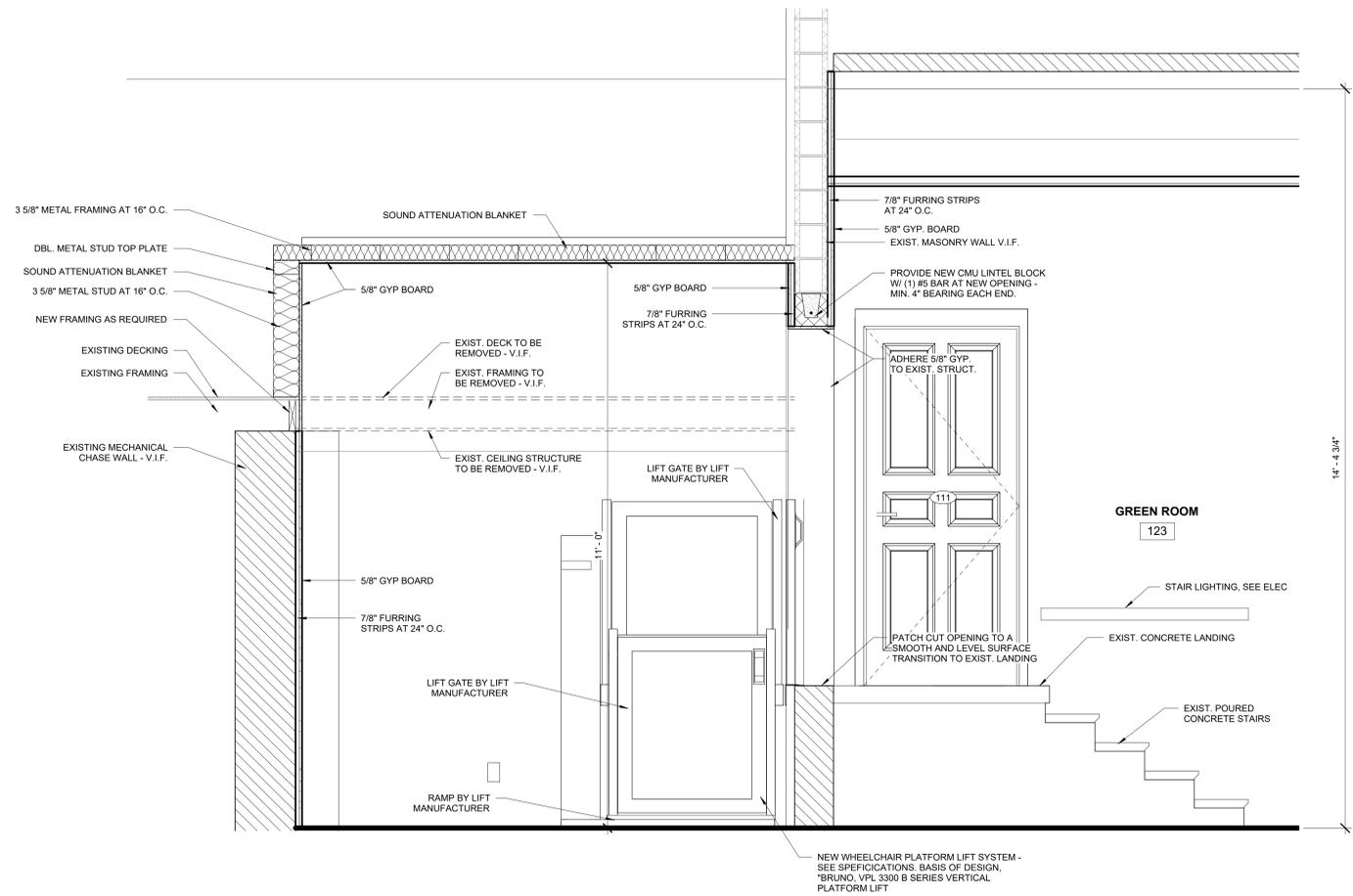


**1 REFLECTED CEILING PLAN**  
1/8" = 1'-0"

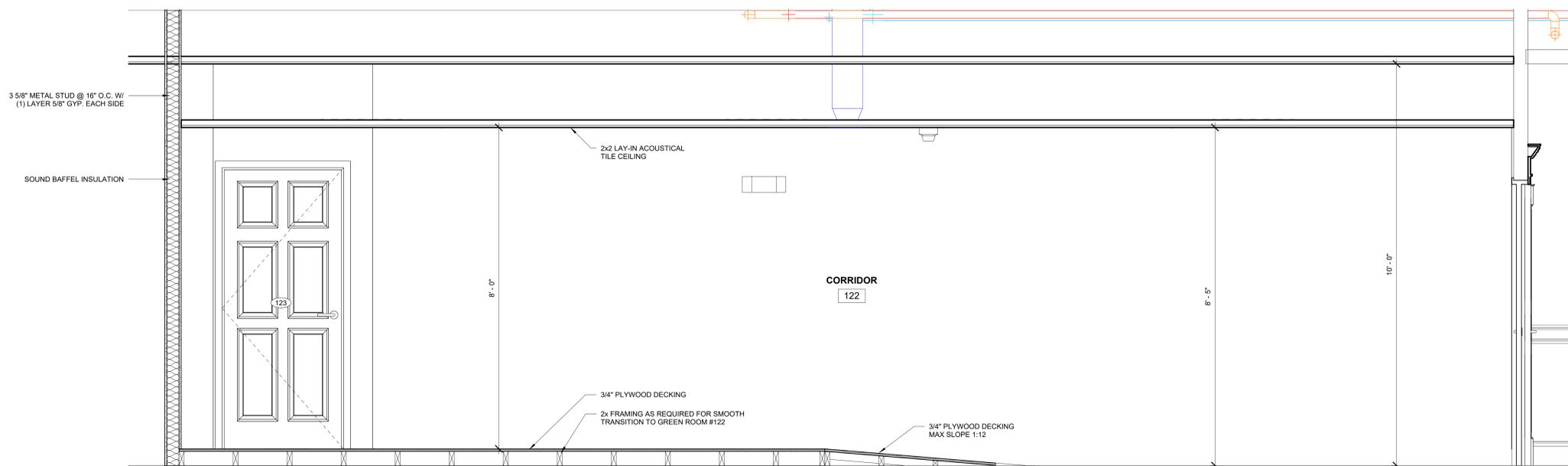
**2 EXISTING SECOND FLOOR PLAN**  
1/8" = 1'-0"



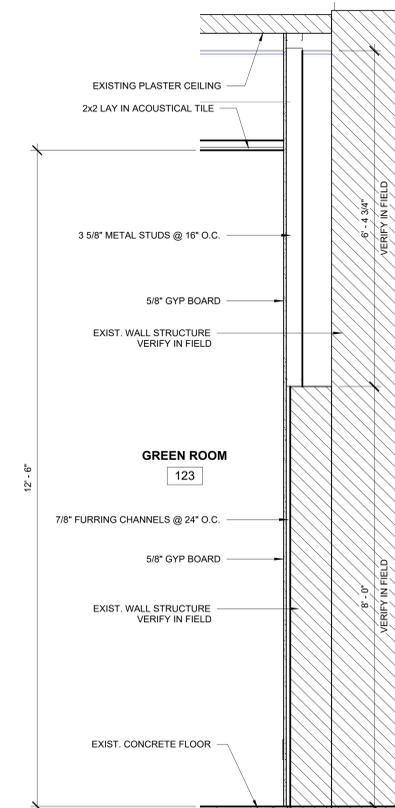
**2 LIFT SECTION (ALT #3)**  
3/4" = 1'-0"



**3 LIFT SECTION (ALT #3)**  
3/4" = 1'-0"



**4 CORRIDOR RAMP SECTION (ALT. #2)**  
3/4" = 1'-0"



**1 WALL SECTION (ALT #2)**  
3/4" = 1'-0"



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CONSULTANT:

**GREEN ACTIVITIES CENTER  
PARTIAL RENOVATIONS**

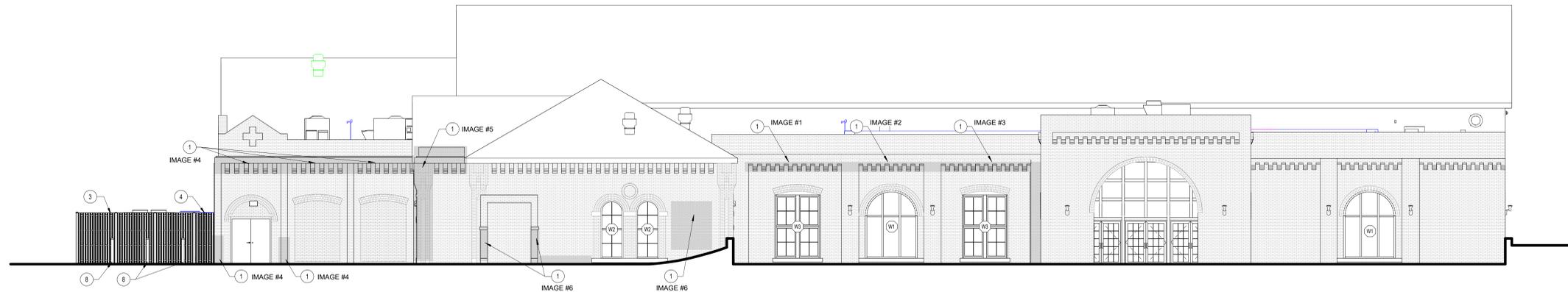
Project #: 71GA-22-01  
VINCENNES CAMPUS

#	Revision	Date

Date: 02-02-2023  
Drawn By: JGW  
Checked By: AWY

**A1.3**  
SECTIONS





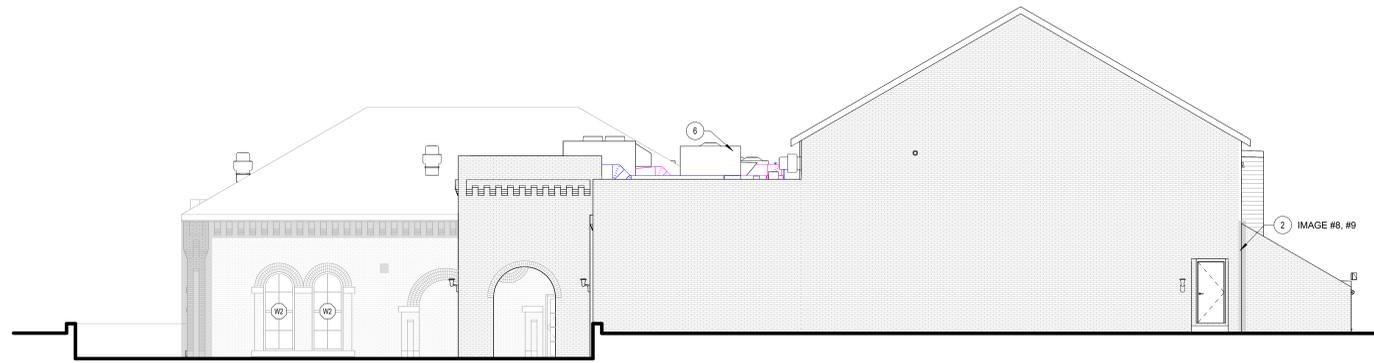
**1 South**  
1/8" = 1'-0"

APPROXIMATE AREA OF POINTING AND/OR BRICK REPAIR



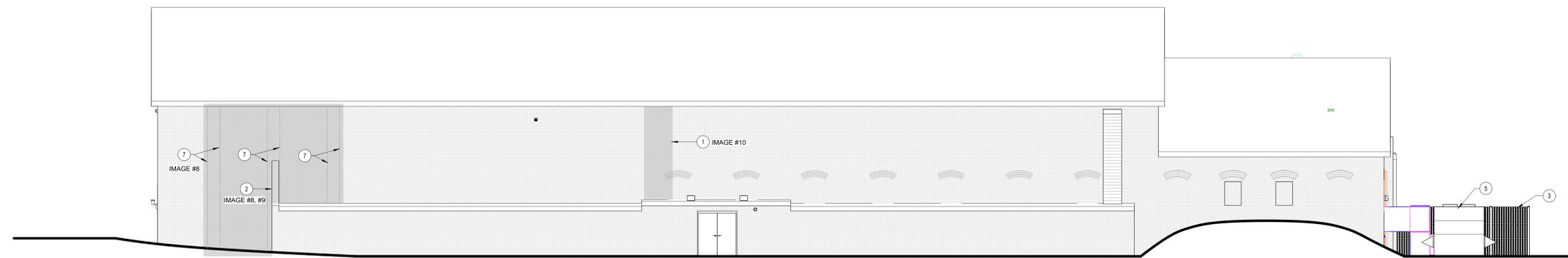
**2 West**  
1/8" = 1'-0"

APPROXIMATE AREA OF POINTING AND/OR BRICK REPAIR



**3 East**  
1/8" = 1'-0"

APPROXIMATE AREA OF POINTING AND/OR BRICK REPAIR



**4 North**  
1/8" = 1'-0"

APPROXIMATE AREA OF POINTING AND/OR BRICK REPAIR

**ELEVATIONS KEYED NOTES** (XX)

THE FOLLOWING KEYED NOTES ARE GENERAL IN NATURE AND ADDITIONAL WORK MAY BE REQUIRED FOR COMPLETION OF NEW CONSTRUCTION.

THE FOLLOWING KEYED NOTES ARE THE RESPONSIBILITY OF THE CONTRACTOR, UNLESS SPECIFICALLY NOTED OTHERWISE.

- 1 CONTRACTOR TO PROVIDE MASONRY REPAIR AND/OR TUCK POINTING INDICATED LOCATIONS. HOWEVER, INDICATED LOCATIONS ARE NOT EXHAUSTIVE. CONTRACTOR TO SURVEY EXISTING CONDITIONS PRIOR TO SUBMITTING BID. (ALT. #5)
- 2 PROVIDE BACKER ROD AND CAULK AT BUILDING CONNECTIONS FOR WATER TIGHT CONSTRUCTION (ALT #5)
- 3 NEW 3'-0" HIGH ALUMINUM FENCE BY ALUMI-GAURD, STYLE: FORTRESS, SHADOW-BOX. (BASE BID)
- 4 NEW 3'-0"x8'-0" HIGH ALUMINUM GATE BY ALUMI-GAURD, STYLE: FORTRESS, SHADOW-BOX. (BASE BID)
- 5 NEW MECHANICAL AIR HANDLING UNIT. REFER TO MECHANICAL DRAWINGS. (BASE BID)
- 6 ROOFTOP AIR CONDITIONING UNIT. REFER TO MECHANICAL DRAWINGS. (BASE BID)
- 7 REMOVE AND CLEAN EXISTING CAULK JOINT. PROVIDE NEW BACKER ROD AND CAULK FOR WATER TIGHT CONSTRUCTION
- 8 NEW PIPE BOLLARD. REFER TO MECH DRAWINGS

**\*\*HATCHED AREA INDICATES KNOWN AREAS OF REPOINTING AND/OR BRICK REPAIR NEEDS. THIS IS NOT AN EXHAUSTIVE LIST. CONTRACTOR TO PROVIDE A UNIT PRICE FOR REPOINTING, BRICK REPAIR AND MASONRY CLEANING AS INDICATED IN THE SPECS.\*\***



IMAGE #1



IMAGE #2



IMAGE #3



IMAGE #4



IMAGE #5



IMAGE #6



IMAGE #7



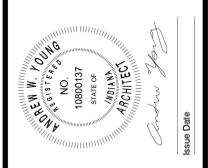
IMAGE #8



IMAGE #9



IMAGE #10



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**GREEN ACTIVITIES CENTER**  
**PARTIAL RENOVATIONS**

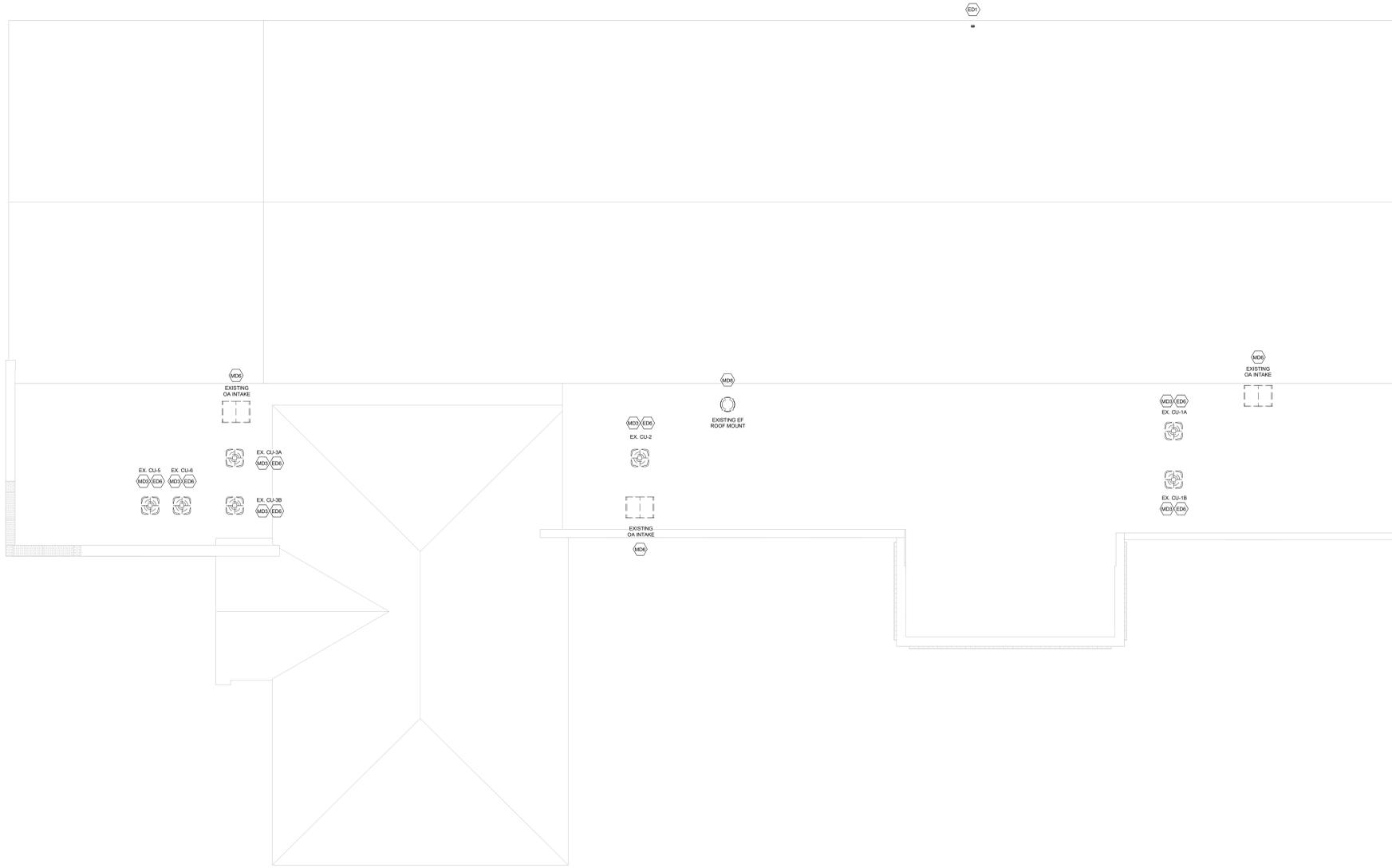
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 Checked By: Checker

**A2.0**  
 ELEVATIONS





ROOF LEVEL MEP DEMOLITION PLAN  
1/8" = 1'-0"

**GENERAL MECHANICAL NOTES**

- (01) MECHANICAL CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS & ELEVATIONS PRIOR TO CONSTRUCTION.
- (02) ALL DUCTWORK DIMENSIONS ARE CLEAR INSIDE DIMENSIONS. MECHANICAL CONTRACTOR SHALL OVERSIZE DUCTWORK AS NECESSARY TO ACCOUNT FOR INSULATION/WEAR.
- (03) MECHANICAL CONTRACTOR SHALL PROVIDE FOR TESTING & BALANCING OF ALL AIR & HYDRONIC WATER SYSTEMS, INCLUDING NEW KITCHEN EXHAUST HOODS.
- (04) MECHANICAL CONTRACTOR SHALL CONFIRM ALL EQUIPMENT ELECTRICAL REQUIREMENTS, INCLUDING BREAKER/DISCONNECT CAPACITY, WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING.
- (05) ALL MECHANICAL EQUIPMENT SHALL BE BACNET COMPATIBLE, AND SHALL BE FURNISHED WITH A BACNET DIAGNOSTIC TOOL.
- (06) MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONCRETE FLOOR CUTTING & REMOVAL, WHICH PERTAINS TO THEIR RESPECTIVE WORK, AND ALSO RESPONSIBLE FOR NEW COMPACTED GRANULAR BACKFILL TO UNDERSIDE OF SLAB. ALL REMOVED SPILL SHALL BE REMOVED & DISPOSED OFF-SITE - NO RE-USE ALLOWED. MECHANICAL CONTRACTOR RESPONSIBLE FOR CONCRETE FLOOR REPLACEMENT, INCLUDING FINAL FINISH.
- (07) MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING ALL AFFECTED ROOF, CEILING, WALLS & FLOORS, AND FINISHING FLUSH TO SURFACE. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL SURFACE FINISH (E. PAINT, TILE, CARPET, ETC).
- (08) THROUGH AND MEMBRANE PENETRATIONS IN FIRE RESISTIVE WALLS SHALL BE FIRESTOPPED IN ACCORDANCE WITH THE INDIANA BUILDING CODE REGULATIONS. IN COMBUSTIBLE CONSTRUCTION, FIRESTOPPING SHALL BE INSTALLED TO CUT OFF CONCEALED DRAFT OPENINGS BOTH VERTICALLY & HORIZONTAL AND SHALL FORM AN EFFECTIVE BARRIER BETWEEN FLOORS, BETWEEN A TOP STORY AND A ROOF OR ATTIC SPACE. FIRESTOPPING SHALL BE INSTALLED IN LOCATIONS IN ACCORDANCE WITH THE INDIANA BUILDING CODE REGULATIONS.
- (09) MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE FILTER REPLACEMENT OF ALL UNITS, UPON DETERMINATION OF SUBSTANTIAL COMPLETION.

**KEYED MECH'L DEMOLITION NOTES**

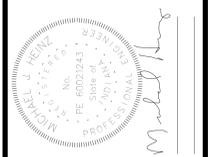
- (M01) MECHANICAL CONTRACTOR SHALL DEMOLISH/REMOVE EXISTING AIR HANDLING UNIT, AND ASSOCIATED DUCT RUN, HYDRONIC OR CONDENSATE LINES AS NECESSARY. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO PATCH ANY REMAINING WALL PENETRATIONS, ANCHOR HOLES IN WALLS, CEILING, & FLOORS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M02) MECHANICAL CONTRACTOR SHALL DEMOLISH/REMOVE EXISTING CONDENSING UNIT, REFRIGERANT LINE SETS, & ASSOCIATED CONCRETE FOUNDATION. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR SURFACE RESTORATION. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M03) MECHANICAL CONTRACTOR SHALL DEMOLISH/REMOVE EXISTING CONDENSING UNIT, REFRIGERANT LINE SETS, & ASSOCIATED RAILS/CURB. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO PATCH ANY REMAINING ANCHOR HOLES IN WALLS, CEILING, & FLOORS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M04) MECHANICAL CONTRACTOR SHALL DISCONNECT/REMOVE EXISTING WATER HEATER & PUMP, AS SHOWN. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO PATCH ANY REMAINING ANCHOR HOLES IN WALLS, CEILING, & FLOORS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M05) MECHANICAL CONTRACTOR SHALL DEMOLISH/REMOVE EXISTING CHILLER/SYSTEMS/OFFSETERS, AS SHOWN. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO PATCH ANY REMAINING ANCHOR HOLES IN WALLS, CEILING, & FLOORS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M06) MECHANICAL CONTRACTOR SHALL DEMOLISH/REMOVE EXISTING ROOFTOP AIR INTAKE LOUVERS, AS SHOWN. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ROOF PATCHING & REPAIRS USING AN OWNER-APPROVED ROOFING SUBCONTRACTOR. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO PATCH ANY REMAINING ANCHOR HOLES IN WALLS, CEILING, & FLOORS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M07) MECHANICAL CONTRACTOR SHALL DEMOLISH/REMOVE EXISTING STEAM TO HOT WATER CONVERTER, EXPANSION TANK, ASSOCIATED PIPING, & ASSOCIATED STRUCTURAL STEEL FRAMING, AS SHOWN. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO PATCH ANY REMAINING ANCHOR HOLES IN WALLS, CEILING, & FLOORS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M08) MECHANICAL CONTRACTOR SHALL DEMOLISH/REMOVE EXISTING ROOFTOP EXHAUST FAN, AS SHOWN. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ROOF PATCHING & REPAIRS USING AN OWNER-APPROVED ROOFING SUBCONTRACTOR. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO PATCH ANY REMAINING ANCHOR HOLES IN WALLS, CEILING, & FLOORS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M09) MECHANICAL CONTRACTOR SHALL DEMOLISH/REMOVE EXISTING CABINET HEATER, AS SHOWN. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO PATCH ANY REMAINING ANCHOR HOLES IN WALLS, CEILING, & FLOORS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M10) MECHANICAL CONTRACTOR SHALL DEMOLISH/REMOVE EXISTING THERMOSTAT, AS SHOWN. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO PATCH ANY REMAINING PENETRATIONS IN WALLS, CEILING, & FLOORS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M11) MECHANICAL CONTRACTOR SHALL DEMOLISH/REMOVE EXISTING HYDRONIC PIPING, AS SHOWN. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO PATCH ANY PENETRATIONS IN WALLS, CEILING, & FLOORS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M12) MECHANICAL CONTRACTOR SHALL DEMOLISH/REMOVE EXISTING WALL MOUNT EXHAUST FAN, AS SHOWN. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR WALL PATCHING & REPAIRS, AS NECESSARY. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO PATCH ANY REMAINING ANCHOR HOLES IN WALLS, CEILING, & FLOORS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M13) MECHANICAL CONTRACTOR SHALL DEMOLISH/REMOVE EXISTING PIPE ISOLANDS, AS SHOWN. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR EXCAVATION, DEMOLITION, BACKFILLING/COMPACTION, & SURFACE RESTORATION. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M14) MECHANICAL CONTRACTOR SHALL DEMOLISH/REMOVE EXISTING TEMPERATURE CONTROLS, AS SHOWN. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO PATCH ANY REMAINING ANCHOR HOLES IN WALLS.

**GENERAL ELECTRICAL NOTES**

- (E1) ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS & ELEVATIONS PRIOR TO CONSTRUCTION.
- (E2) ELECTRICAL CONTRACTOR SHALL PROVIDE FOR TEMPORARY LIGHTING, AS NEEDED, FOR DURATION OF PROJECT.
- (E3) ELECTRICAL CONTRACTOR SHALL CONFIRM ALL EQUIPMENT ELECTRICAL REQUIREMENTS, INCLUDING BREAKER/DISCONNECT CAPACITY, WITH OTHER TRADES PRIOR TO ORDERING.
- (E4) ELECTRICAL CONTRACTOR SHALL PROVIDE FOR ALL FINAL TERMINATIONS & CONNECTIONS TO EQUIPMENT & POWER FIELD COMPONENT.
- (E5) ELECTRICAL CONTRACTOR SHALL VERIFY ALL CIRCUITS IN EXISTING PANELS AND PROVIDE FOR NEW, TYPED PANEL LEADERS UPON COMPLETION OF PROJECT. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR ALL ADDITIONAL PANEL CIRCUIT BREAKERS AS REQUIRED FOR INSTALLATION OF ALL CIRCUITS AS SHOWN.
- (E6) ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONCRETE FLOOR CUTTING & REMOVAL, WHICH PERTAINS TO THEIR RESPECTIVE WORK, AND ALSO RESPONSIBLE FOR NEW COMPACTED GRANULAR BACKFILL TO UNDERSIDE OF SLAB. ALL REMOVED SPILL SHALL BE REMOVED & DISPOSED OFF-SITE - NO RE-USE ALLOWED. ELECTRICAL CONTRACTOR RESPONSIBLE FOR CONCRETE FLOOR REPLACEMENT, INCLUDING FINAL FINISH.
- (E7) ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING ALL AFFECTED ROOF, CEILING, WALLS & FLOORS, AND FINISHING FLUSH TO SURFACE. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL SURFACE FINISH (E. PAINT, TILE, CARPET, ETC).
- (E8) THROUGH AND MEMBRANE PENETRATIONS IN FIRE RESISTIVE WALLS SHALL BE FIRESTOPPED IN ACCORDANCE WITH THE INDIANA BUILDING CODE REGULATIONS. IN COMBUSTIBLE CONSTRUCTION, FIRESTOPPING SHALL BE INSTALLED TO CUT OFF CONCEALED DRAFT OPENINGS BOTH VERTICALLY & HORIZONTAL AND SHALL FORM AN EFFECTIVE BARRIER BETWEEN FLOORS, BETWEEN A TOP STORY AND A ROOF OR ATTIC SPACE. FIRESTOPPING SHALL BE INSTALLED IN LOCATIONS IN ACCORDANCE WITH THE INDIANA BUILDING CODE REGULATIONS.

**KEYED ELECT'L DEMOLITION NOTES**

- (E01) ELECTRICAL CONTRACTOR SHALL CONFIRM CIRCUIT, THEN DEMOLISH/REMOVE ALL EXISTING LIGHT FIXTURE, LEAVING ALL ASSOCIATED WIRING/CONDUIT, FOR RE-CONNECTIONS & EXTENSIONS, AS NECESSARY. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (E02) ELECTRICAL CONTRACTOR SHALL CONFIRM CIRCUIT, THEN DEMOLISH/REMOVE ALL EXISTING LIGHT FIXTURE, INCLUDING EXISTING SWITCH & SWITCH LED WIRING, CAPPING REMAINING GANG BOX WITH BLANK FACE PLATE, ALL ASSOCIATED WIRING/CONDUIT, LEAVING REMOVED BACK TO FEEDER PANEL IN PLACE. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (E03) ELECTRICAL CONTRACTOR SHALL CONFIRM CIRCUIT, THEN DEMOLISH/REMOVE EXISTING SWITCH & SWITCH LED WIRING, CAPPING REMAINING GANG BOX WITH BLANK FACE PLATE. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (E04) MECHANICAL CONTRACTOR SHALL DEMOLISH/REMOVE EXISTING AIR HANDLING UNIT. ELECTRICAL CONTRACTOR SHALL DEMOLISH/REMOVE ALL ASSOCIATED ELECTRICALS BACK TO FEEDER PANEL. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO PATCH ANY REMAINING CONDUIT OR ANCHOR HOLES IN WALLS, CEILING, & FLOORS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (E05) MECHANICAL CONTRACTOR SHALL DEMOLISH/REMOVE EXISTING CONDENSING UNIT, REFRIGERANT LINE SETS, & ASSOCIATED CONCRETE FOUNDATION. ELECTRICAL CONTRACTOR SHALL DEMOLISH/REMOVE ALL ASSOCIATED ELECTRICALS BACK TO FEEDER PANEL. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO PATCH ANY REMAINING CONDUIT OR ANCHOR HOLES IN WALLS, CEILING, & FLOORS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (E06) MECHANICAL CONTRACTOR SHALL DISCONNECT/REMOVE EXISTING WATER HEATER & PUMP, AS SHOWN. ELECTRICAL CONTRACTOR SHALL DEMOLISH/REMOVE ALL ASSOCIATED ELECTRICALS BACK TO FEEDER PANEL. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO PATCH ANY REMAINING CONDUIT OR ANCHOR HOLES IN WALLS, CEILING, & FLOORS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (E07) MECHANICAL CONTRACTOR SHALL DEMOLISH/REMOVE EXISTING ROOFTOP EXHAUST FAN, AS SHOWN. ELECTRICAL CONTRACTOR SHALL DEMOLISH/REMOVE ALL ASSOCIATED ELECTRICALS BACK TO FEEDER PANEL. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO PATCH ANY REMAINING CONDUIT OR ANCHOR HOLES IN WALLS, CEILING, & FLOORS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (E08) MECHANICAL CONTRACTOR SHALL DEMOLISH/REMOVE EXISTING CABINET HEATER, AS SHOWN. ELECTRICAL CONTRACTOR SHALL DEMOLISH/REMOVE ALL ASSOCIATED ELECTRICALS BACK TO FEEDER PANEL. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO PATCH ANY REMAINING CONDUIT OR ANCHOR HOLES IN WALLS, CEILING, & FLOORS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (E09) ELECTRICAL CONTRACTOR SHALL CONFIRM CIRCUIT, THEN DEMOLISH/REMOVE EXISTING DUPLEX RECEPTACLE, WIRE MOLD & ALL ASSOCIATED ELECTRICALS BACK TO FEEDER PANEL. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (E10) ELECTRICAL CONTRACTOR SHALL CONFIRM CIRCUIT, THEN DEMOLISH/REMOVE EXISTING JUNCTION BOX, WIRE MOLD & ALL ASSOCIATED ELECTRICALS BACK TO FEEDER PANEL. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (E11) MECHANICAL CONTRACTOR SHALL DEMOLISH/REMOVE EXISTING WALL MOUNT EXHAUST FAN. ELECTRICAL CONTRACTOR SHALL DEMOLISH/REMOVE ALL ASSOCIATED ELECTRICALS BACK TO FEEDER PANEL. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO PATCH ANY REMAINING CONDUIT OR ANCHOR HOLES IN WALLS, CEILING, & FLOORS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (E12) ELECTRICAL CONTRACTOR SHALL CONFIRM CIRCUIT, THEN DEMOLISH/REMOVE EXISTING WIRELESS ACCESS POINT & ASSOCIATED WIRING/CONDUIT, AS NECESSARY. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (E13) ELECTRICAL CONTRACTOR SHALL DEMOLISH/REMOVE EXISTING ELECTRICAL PANEL "D", AND ASSOCIATED CONDUIT/CONDUCTORS BACK TO FEEDER PANEL. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO PATCH ANY REMAINING CONDUIT OR ANCHOR HOLES IN WALLS, CEILING, & FLOORS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (E14) ELECTRICAL CONTRACTOR SHALL DEMOLISH/REMOVE EXISTING FIRE ALARM CONTROL PANEL, AND ASSOCIATED CONDUIT/CONDUCTORS BACK TO EQL. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO PATCH ANY REMAINING CONDUIT OR ANCHOR HOLES IN WALLS, CEILING, & FLOORS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.



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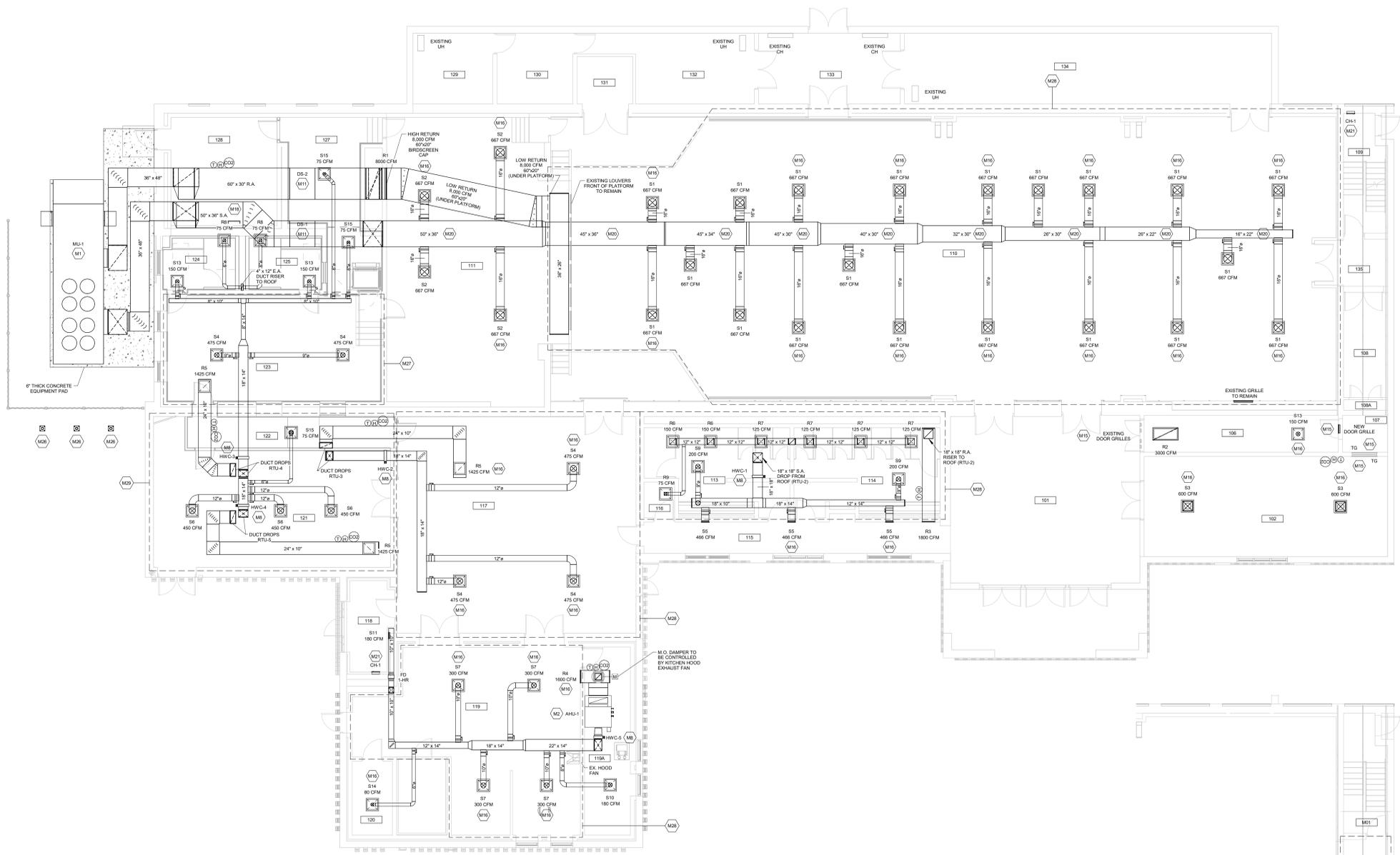
**GREEN ACTIVITIES CENTER  
PARTIAL RENOVATIONS**

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Date: 02-02-2023  
Drawn By: NAB  
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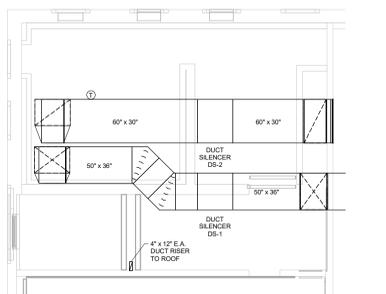
**M2**  
ROOF LEVEL MEP  
DEMOLITION PLAN



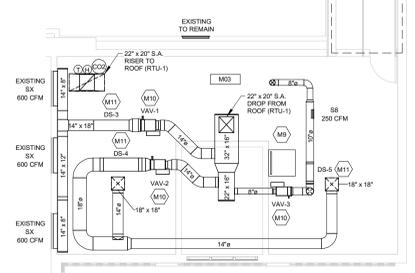
**FIRST FLOOR MECHANICAL DUCTWORK PLAN**  
1/8" = 1'-0"

**MECHANICAL DUCTWORK LEGEND**

- SUPPLY AIR DIFFUSER
- RETURN OR EXHAUST AIR DIFFUSER
- MANUAL DAMPER
- MOTORIZED DAMPER
- FIRE/SMOKE DAMPER
- TEMPERATURE SENSOR
- HUMIDITY SENSOR
- PRESSURE SENSOR
- EXHAUST FAN
- DUCT SMOKE DETECTOR



**SOUTH MEZZANINE MECHANICAL DUCTWORK PLAN**  
1/8" = 1'-0"



**NORTH MEZZANINE MECHANICAL DUCTWORK PLAN**  
1/8" = 1'-0"

**GENERAL MECHANICAL NOTES**

- (G1) MECHANICAL CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS & ELEVATIONS PRIOR TO CONSTRUCTION.
- (G2) ALL DUCTWORK DIMENSIONS ARE CLEAR INSET DIMENSIONS. MECHANICAL CONTRACTOR SHALL OVERSEE DUCTWORK AS NECESSARY TO ACCOUNT FOR INSULATION/STAYS.
- (G3) MECHANICAL CONTRACTOR SHALL PROVIDE FOR TESTING & BALANCING OF ALL AIR & HYDROVIC WATER SYSTEMS, INCLUDING NEW KITCHEN EXHAUST HOODS.
- (G4) MECHANICAL CONTRACTOR SHALL CONFIRM ALL EQUIPMENT ELECTRICAL REQUIREMENTS, INCLUDING BREAKER/CONNECTOR CAPACITY, WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING.
- (G5) ALL MECHANICAL EQUIPMENT SHALL BE BACKNET COMPATIBLE, AND SHALL BE FURNISHED WITH A BACKNET DIAGNOSTIC TOOL.
- (G6) MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONCRETE FLOOR CUTTING & REMOVAL WHICH PERTAINS TO THEIR RESPECTIVE WORK, AND ALSO RESPONSIBLE FOR NEW COMPACTED GRANULAR BASECOURSE TO UNDERLIE FLOOR. ALL REMOVED DEBRIS SHALL BE REMOVED & DISPOSED OFF-SITE. NO RE-USE ALLOWED. MECHANICAL CONTRACTOR RESPONSIBLE FOR CONCRETE FLOOR REPLACEMENT, INCLUDING FINISH FLOOR.
- (G7) MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING ALL AFFECTED ROOF, CEILING, WALLS & FLOORS, AND FINISHING FLUSH TO SURFACE. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL SURFACE FINISH, IE. PAINT, CARPET, ETC.
- (G8) THROUGH AND MEMBRANE PENETRATIONS IN FIRE RESISTIVE WALLS SHALL BE FIRESTOPPED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS & DETAILS. IN COMBUSTIBLE CONSTRUCTION, FIRESTOPPING SHALL BE INSTALLED TO CUT OFF CONCEALED DRAFT OPENINGS BOTH VERTICALLY & HORIZONTALLY. MECHANICAL CONTRACTOR SHALL PROVIDE FOR ALL VERTICAL ISOLATION & FIRESTOPPING BARRIERS BETWEEN FLOORS, BETWEEN A TOP STORY AND A ROOF OR ATTIC SPACE. FIRESTOPPING SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS & DETAILS.
- (G9) MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE FIELD REPLACEMENT OF ALL UNITS, UPON DETERMINATION OF SUBSTANTIAL COMPLETION.
- (G10) MECHANICAL CONTRACTOR SHALL TAKE SPECIAL PRECAUTIONS TO ENSURE ALL FILTER, VALVES, ACCESSORIES, & OTHER SUBCOMPONENTS ARE INSTALLED IN A FULLY ACCESSIBLE LOCATION.

**KEYED MECHANICAL NOTES**

- (M1) MAKE-UP AIR UNIT, WITH CONCRETE FOUNDATION, BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. MECHANICAL CONTRACTOR SHALL PROVIDE FOR ALL ALUMINUM DUCT, 2" THICK RIGID LATOR WITH FULL PERIMETER EDGM MEMBRANE LINER, & 1" VIBRATION ISOLATION. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. MECHANICAL CONTRACTOR SHALL PROVIDE FOR PENETRATION WITH UNTEL, AS DETAILED. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M2) AIR HANDLING UNIT, WITH SPRING ISOLATORS & STRUCTURAL STEEL FRAMING, BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. MECHANICAL CONTRACTOR SHALL PROVIDE FOR SEISMICALLY DESIGNED HANGERS WITH ANCHORS, AS DETAILED. MECHANICAL CONTRACTOR SHALL PROVIDE FOR REFRIGERANT LINE SETS, REFRIGERANT HOT WATER COIL, & VALVING, AS DETAILED. TEMPERATURE CONTROL CONTROLS SHALL PROVIDE FOR ALL REQUIRED SENSING, CIRCUITING TO ROOFTOP CONDENSING UNIT. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M3) ROOFTOP AIR HANDLING UNIT, WITH SEISMIC INSULATED ROOF CURB & STRUCTURAL STEEL REINFORCING, BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. MECHANICAL CONTRACTOR SHALL PROVIDE FOR HOT WATER COIL, & VALVING, AS DETAILED. MECHANICAL CONTRACTOR SHALL PROVIDE FOR STRUCTURAL STEEL REINFORCING, FLASHING & ROOF REPAIRS USING AN OWNER-APPROVED ROOFING SUBCONTRACTOR. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M4) CONDENSING UNIT, WITH SEISMICALLY DESIGNED RAILS & STRUCTURAL STEEL REINFORCING, BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. MECHANICAL CONTRACTOR SHALL PROVIDE FOR SEISMICALLY DESIGNED HANGERS WITH ANCHORS, AS DETAILED. MECHANICAL CONTRACTOR SHALL PROVIDE FOR REFRIGERANT LINE SETS & REFRIGERANT AS SHOWN. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PRING PORTALS, ROOF PENETRATIONS, FLASHING & ROOF REPAIRS USING AN OWNER-APPROVED ROOFING SUBCONTRACTOR. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
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- (M7) FAN COIL UNIT, WITH SEISMICALLY DESIGNED HANGERS, SPRING ISOLATORS & INTEGRAL CONDENSATE PUMP, BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. MECHANICAL CONTRACTOR SHALL PROVIDE FOR REFRIGERANT LINE SETS & REFRIGERANT, AS SHOWN. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
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- (M16) MECHANICAL CONTRACTOR SHALL PROVIDE FOR REPLACEMENT OF EXISTING DIFFUSERS & GRILLES, COMPLETE WITH SUPPLY/RETURN FLEXIBLE BOX, AS DETAILED. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M17) STEAM PRT STATION, BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS DETAILED. MECHANICAL CONTRACTOR SHALL ADD NEW PRT STATION TO EXISTING PRT STATION. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M18) NEW MEZZANINE ACCESS LADDER, BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M19) MECHANICAL CONTRACTOR SHALL PROVIDE FOR RELOCATION OF EXISTING WATER HEATER & PUMP AS SHOWN, COMPLETE WITH ANY NECESSARY PIPING EXTENSIONS. MECHANICAL CONTRACTOR SHALL PROVIDE FOR NEW 1/2" SUPPLY & RETURN TO NEW HEATING HOT WATER MAINS. MECHANICAL CONTRACTOR SHALL PROVIDE FOR NEW 1/2" CONCRETE HOUSEKEEPING PAD AND SEISMIC WALL BRACING TO STRUCTURE. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M20) MECHANICAL CONTRACTOR SHALL SEISMICALLY BRACE ALL NEW DUCT TO STRUCTURE. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M21) ELECTRIC CABINET HEATER, BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M22) AIR SEPARATOR TANK, BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. MECHANICAL CONTRACTOR SHALL PROVIDE FOR 1" MAKE-UP VALVE & PRTV FROM DOMESTIC WATER SYSTEM. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M23) 30 GAL EXPANSION TANK, WITH OVERHEAD STRUCTURAL FRAME SUPPORT, BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
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- (M25) GLYCOL FEEDER SYSTEM WITH CONCRETE HOUSEKEEPING PAD, WITH ASSOCIATED PIPING, BY MECHANICAL CONTRACTOR. SYSTEM SHALL BE EDGINGTON NGL-50-6-A-ARC, WITH 1/2 HP PUMP, 50 GALLON TANK, & CONTROL PANEL. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
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- (M29) EXISTING CEILING, BY GENERAL CONTRACTOR. GENERAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. GENERAL CONTRACTOR SHALL REMOVE, SALVAGE, AND REINSTALL CEILING, AS SHOWN. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M30) NEW LAV-IN CEILING, BY GENERAL CONTRACTOR. GENERAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. GENERAL CONTRACTOR SHALL DEMOLISH/REMOVE EXISTING CEILING, AS SHOWN. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.

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**PARTIAL RENOVATIONS**  
 Project #: 71GA-22-01  
 VINCENNES CAMPUS

#	Revision	Date

Date: 02-02-2023  
 Drawn By: NAB  
 Checked By: MJH

M3

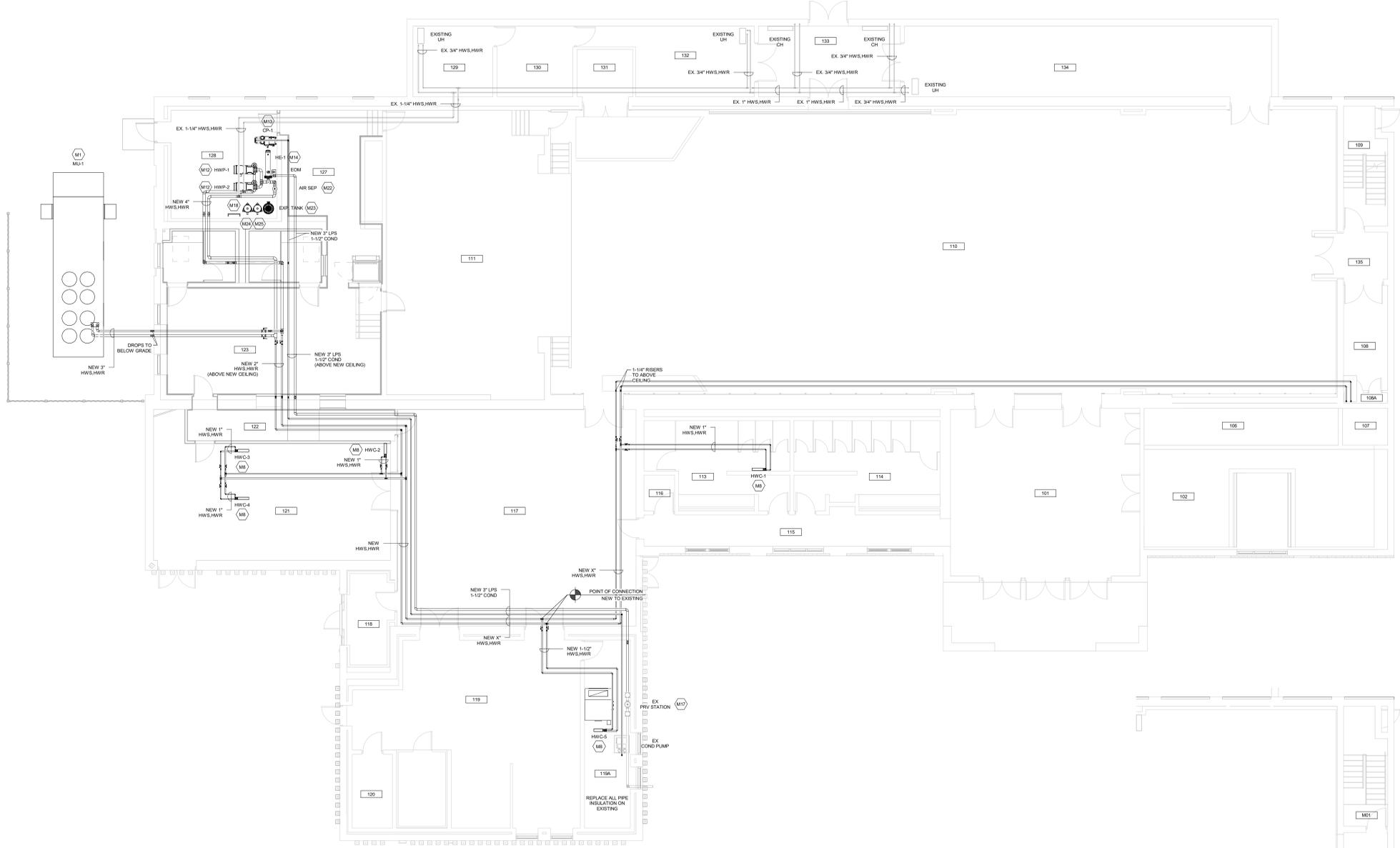
MECHANICAL DUCTWORK PLAN

**GENERAL MECHANICAL NOTES**

- (01) MECHANICAL CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS & ELEVATIONS PRIOR TO CONSTRUCTION.
- (02) ALL DUCTWORK DIMENSIONS ARE CLEAR INSIDE DIMENSIONS. MECHANICAL CONTRACTOR SHALL OVERSEE DUCTWORK AS NECESSARY TO ACCOUNT FOR INSULATION HERE.
- (03) MECHANICAL CONTRACTOR SHALL PROVIDE FOR TESTING & BALANCING OF ALL AIR & HYDRONIC WATER SYSTEMS, INCLUDING NEW KITCHEN EXHAUST HOODS.
- (04) MECHANICAL CONTRACTOR SHALL CONFIRM ALL EQUIPMENT ELECTRICAL REQUIREMENTS, INCLUDING BREAKER/CONNECTOR CAPACITY, WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING.
- (05) ALL MECHANICAL EQUIPMENT SHALL BE BACNET COMPATIBLE, AND SHALL BE FURNISHED WITH A BACNET DIAGNOSTIC TOOL.
- (06) MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONCRETE FLOOR CUTTING & REMOVAL WHICH PERTAINS TO THEIR RESPECTIVE WORK, AND ALSO RESPONSIBLE FOR NEW COMPACTED GRANULAR BASEKIT TO UNDERLIE EXISTING SLAB. ALL REMOVAL SHALL BE REMOVED & DISPOSED OFF-SITE. NO RE-USE ALLOWED. MECHANICAL CONTRACTOR RESPONSIBLE FOR CONCRETE FLOOR REPLACEMENT, INCLUDING FINAL FINISH.
- (07) MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING ALL AFFECTED ROOF, CEILING, WALLS & FLOORS, AND FINISHING FLUSH TO SURFACE. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL SURFACE FINISH, IE. PAINT, TILE, CARPET, ETC.
- (08) THROUGH AND MEMBRANE PENETRATIONS IN FIRE RESISTIVE WALLS SHALL BE PRESTOPPED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION IN COMBUSTIBLE CONSTRUCTION. FIREBLOCKING SHALL BE INSTALLED TO CUT OFF CONCEALED DRAFT OPENINGS BOTH VERTICALLY & HORIZONTALLY AND SHALL FORM AN EFFECTIVE BARRIER BETWEEN FLOORS, BETWEEN A TOP STORY AND A ROOF OR ATTIC SPACE. FIREBLOCKING SHALL BE INSTALLED IN LOCATIONS IN ACCORDANCE WITH THE LOCAL BUILDING CODE REQUIREMENTS.
- (09) MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE FILTER REPLACEMENT OF ALL UNITS, UPON DETERMINATION OF SUBSTANTIAL COMPLETION.
- (10) MECHANICAL CONTRACTOR SHALL MAKE SPECIAL PRECAUTIONS TO ENSURE ALL FILTER VALVES, ACTUATORS, & OTHER SUBCOMPONENTS ARE INSTALLED IN A FULLY ACCESSIBLE LOCATION.

**KEYED MECHANICAL NOTES**

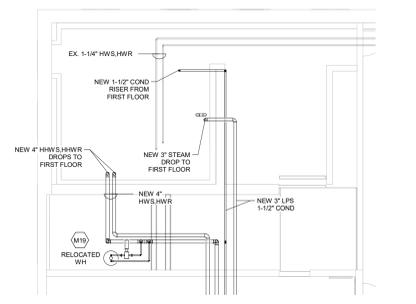
- (M1) MAKE-UP AIR UNIT, WITH CONCRETE FOUNDATION, BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. MECHANICAL CONTRACTOR SHALL PROVIDE FOR ALL VIBRATION ISOLATION, 2" THICK RIGID ISOLATOR WITH FULL PERIMETER EDGM MEMBRANE LINER, & 1" DUCT VIBRATION ISOLATION. MECHANICAL CONTRACTOR SHALL PROVIDE FOR NEW CONCRETE FOUNDATION WITH SEISMIC ANCHORS, AND SHALL PENETRATION WITH LINTEL, AS DETAIL. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M2) AIR HANDLING UNIT, WITH SPRING ISOLATORS & STRUCTURAL STEEL FRAMING, BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. MECHANICAL CONTRACTOR SHALL PROVIDE FOR SEISMICALLY DESIGNED HANGERS WITH ANCHORS, AS DETAIL. MECHANICAL CONTRACTOR SHALL PROVIDE FOR REFRIGERANT LINE SETS, REFRIGERANT HOT WATER COIL, & VALVING, AS DETAIL. TEMPERATURE CONTROL CONTRACTOR SHALL PROVIDE FOR COMPLETE CONTROL, CIRCUITING TO ROOFTOP CONDENSING UNIT. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M3) ROOFTOP AIR HANDLING UNIT, WITH SEISMIC INSULATED ROOF CURB & STRUCTURAL STEEL REINFORCING, BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. MECHANICAL CONTRACTOR SHALL PROVIDE FOR HOT WATER COIL, & VALVING, AS DETAIL. MECHANICAL CONTRACTOR SHALL PROVIDE FOR STRUCTURAL STEEL REINFORCING, FLASHING & ROOF REPAIRS USING AN OWNER-APPROVED ROOFING SUBCONTRACTOR. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
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- (M5) EXHAUST FAN, WITH INSULATED ROOF CURB, M.O. DAMPER, & BIRSCREEN, BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. EXHAUST FAN TO BE CONTROLLED BY RESTROOM OCCUPANCY SENSOR WITH TIME DELAY OFF. MECHANICAL CONTRACTOR SHALL CONFIRM EXISTING ROOF SLOPE. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ROOF PENETRATIONS, FLASHING & ROOF REPAIRS USING AN OWNER-APPROVED ROOFING SUBCONTRACTOR. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M6) HEAT RECLAIM UNIT, WITH SEISMICALLY DESIGNED RAILS & STRUCTURAL STEEL REINFORCING, BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. MECHANICAL CONTRACTOR SHALL PROVIDE FOR REFRIGERANT LINE SETS & REFRIGERANT, AS SHOWN. MECHANICAL CONTRACTOR SHALL PROVIDE FOR STRUCTURAL STEEL REINFORCING, FLASHING & ROOF REPAIRS USING AN OWNER-APPROVED ROOFING SUBCONTRACTOR. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M7) FAN COIL UNIT, WITH SEISMICALLY DESIGNED HANGERS, SPRING ISOLATORS & INTEGRAL CONDENSATE PUMP, BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. MECHANICAL CONTRACTOR SHALL PROVIDE FOR REFRIGERANT LINE SETS & REFRIGERANT, AS SHOWN. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M8) REHEAT COILS, WITH SEISMICALLY DESIGNED HANGERS & SPRING ISOLATORS, BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M9) ROOF HATCH BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. ROOF HATCH TO MATCH EXISTING. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ROOF PENETRATIONS, FLASHING & ROOF REPAIRS USING AN OWNER-APPROVED ROOFING SUBCONTRACTOR. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M10) VAV BOX, WITH SEISMICALLY DESIGNED HANGERS & SPRING ISOLATORS, BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M11) DUCT SLENDER, WITH SEISMICALLY DESIGNED HANGERS & DUCT VIBRATION ISOLATION, BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
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- (M14) STEAM TO HOT WATER CONVERTER, WITH NEW STRUCTURAL STEEL FRAME, BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. MECHANICAL CONTRACTOR SHALL PROVIDE FOR STRUCTURAL STEEL, FRAMING, AS DETAIL. COMPLETE WITH 1" CONCRETE FLOORING, PAD AND SEISMIC WALL BRACING TO STRUCTURE. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M15) TRANSFER & DOOR CHILLER, BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M16) MECHANICAL CONTRACTOR SHALL PROVIDE FOR REPLACEMENT OF EXISTING DEFUSERS & GRILLES, COMPLETE WITH SUPPLY/RETURN FLEXIB BOX, AS DETAIL. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M17) STEAM PRV STATION BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS DETAIL. MECHANICAL CONTRACTOR SHALL ADD NEW PRV STATION TO EXISTING PRV STATION. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
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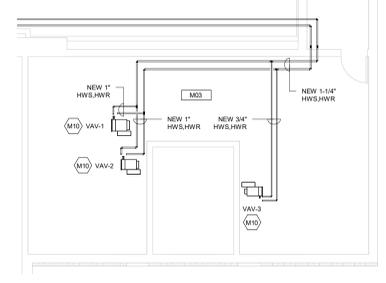
**FIRST FLOOR MECHANICAL PIPING PLAN**  
1/8" = 1'-0"

**MECHANICAL PIPING LEGEND**

- CHWS— CHILLED WATER SUPPLY
- CHWR— CHILLED WATER RETURN
- HWS— HOT WATER SUPPLY
- HWR— HOT WATER RETURN
- STEAM— STEAM SUPPLY
- STM COND— STEAM CONDENSATE RETURN
- PIPE ELBOW UP
- PIPE TEE UP
- PIPE TEE UP W/ TAP
- PIPE ELBOW DOWN
- PIPE TEE DOWN
- PIPE TEE DOWN W/ TAP
- BALL VALVE OR BUTTERFLY VALVE
- CAP END FOR FUTURE EXTENSION
- DIRECTION OF FLOW
- CHECK VALVE
- PRESSURE GAUGE
- THERMOMETER
- AQUASTAT
- MOTOR OPERATED ELECTRIC VALVE (2-WAY)
- MOTOR OPERATED ELECTRIC VALVE (3-WAY)



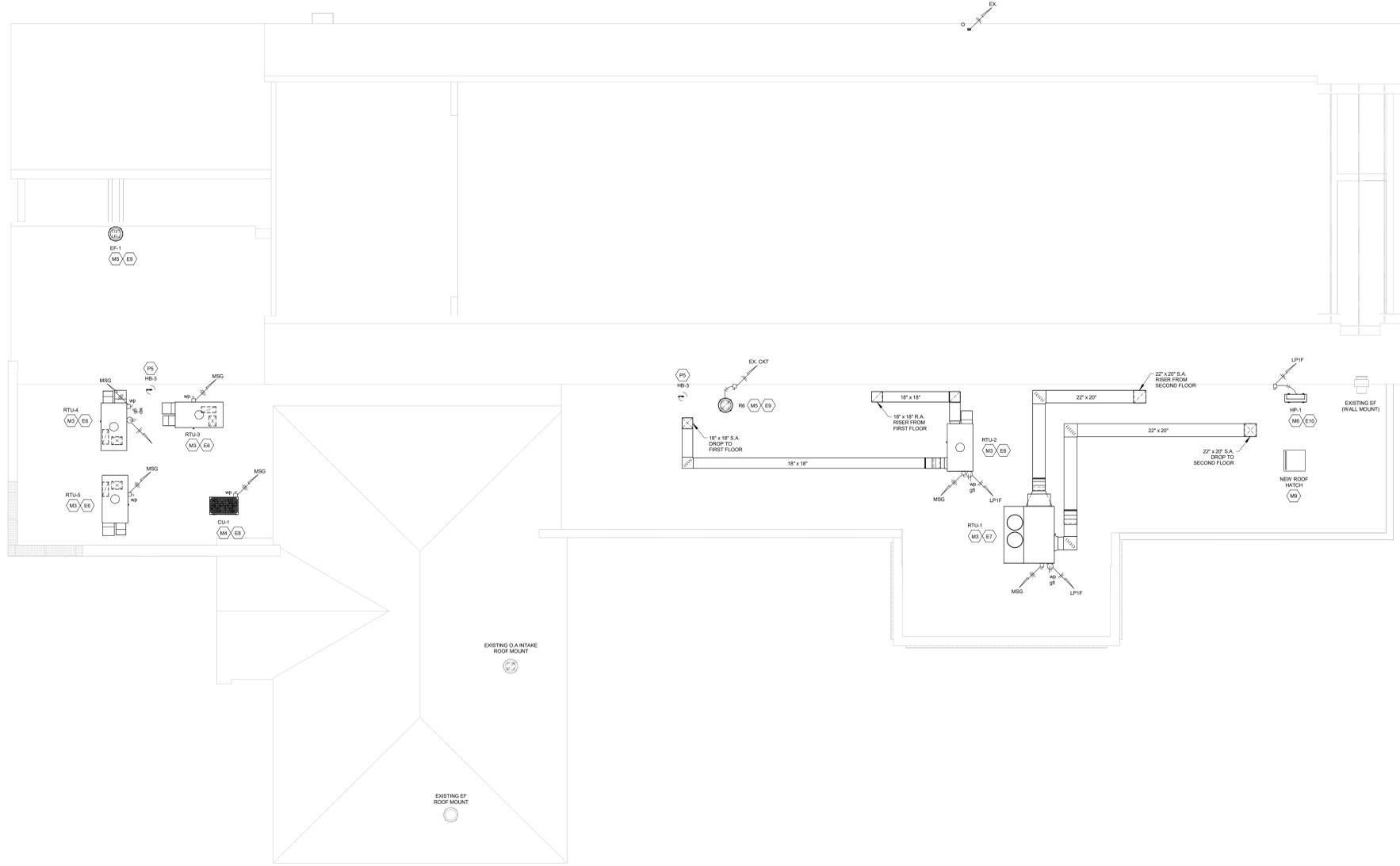
**SOUTH MEZZANINE MECHANICAL PIPING PLAN**  
1/8" = 1'-0"



**NORTH MEZZANINE MECHANICAL PIPING PLAN**  
1/8" = 1'-0"

#	Revision	Date

Date: 02-02-2023  
Drawn By: NAB  
Checked By: MJH



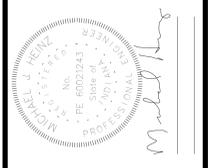
**ROOF LEVEL MEP PLAN**  
1/8" = 1'-0"

**GENERAL MECHANICAL NOTES**

- (01) MECHANICAL CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS & ELEVATIONS PRIOR TO CONSTRUCTION.
- (02) ALL DUCTWORK DIMENSIONS ARE CLEAR INSIDE DIMENSIONS. MECHANICAL CONTRACTOR SHALL OVERSEE DUCTWORK AS NECESSARY TO ACCORD TO INSULATION NOTES.
- (03) MECHANICAL CONTRACTOR SHALL PROVIDE FOR TESTING & BALANCING OF ALL AIR & HYDROIC WATER SYSTEMS, INCLUDING NEW KITCHEN EXHAUST HOODS.
- (04) MECHANICAL CONTRACTOR SHALL CONFIRM ALL EQUIPMENT ELECTRICAL REQUIREMENTS, INCLUDING BREAKERS/CONNECT CAPACITY, WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING.
- (05) ALL MECHANICAL EQUIPMENT SHALL BE BACNET COMPATIBLE, AND SHALL BE FURNISHED WITH A BACNET DIAGNOSTIC TOOL.
- (06) MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONCRETE FLOOR CUTTING & REMOVAL WHICH PERTAINS TO THEIR RESPECTIVE WORK, AND ALSO RESPONSIBLE FOR NEW COMPACTED GRANULAR BACKFILL TO UNDERLIE ALL REMOVED SPOTS. ALL REMOVED SPOTS SHALL BE REMOVED & DISPOSED OFF-SITE. NO RE-USE ALLOWED. MECHANICAL CONTRACTOR RESPONSIBLE FOR CONCRETE FLOOR REPLACEMENT, INCLUDING FINAL FINISH.
- (07) MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING ALL AFFECTED ROOF, CEILING, WALLS & FLOORS, AND FINISHING FLUSH TO SURFACE. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL SURFACE FINISH, IE PAINT, TILE, CARPET, ETC.
- (08) THROUGH AND MEMBRANE PENETRATIONS IN FIRE RESISTIVE WALLS SHALL BE FIRESTOPPED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. COMBUSTIBLE CONSTRUCTION FIRESTOPPING SHALL BE INSTALLED TO CUT OFF CONCEALED DRAFT OPENINGS BOTH VERTICAL & HORIZONTAL AND SHALL FORM AN EFFECTIVE BARRIER BETWEEN FLOORS, BETWEEN A TOP STORY AND A ROOF OR ATTIC SPACE. FIRESTOPPING SHALL BE INSTALLED IN LOCATIONS IN ACCORDANCE WITH THE NATIONAL BUILDING CODE REQUIREMENTS.
- (09) MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE FILTER REPLACEMENT OF ALL UNITS, UPON DETERMINATION OF SUBSTANTIAL COMPLETION.
- (10) MECHANICAL CONTRACTOR SHALL MAKE SPECIAL PRECAUTIONS TO ENSURE ALL FILTERS, VALVES, ACTUATORS, & OTHER SUBCOMPONENTS ARE INSTALLED IN A FULLY ACCESSIBLE LOCATION.

**KEYED MECHANICAL NOTES**

- (M1) MAKE-UP AIR UNIT, WITH CONCRETE FOUNDATION, BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. MECHANICAL CONTRACTOR SHALL PROVIDE FOR ALL UNFINISHED DUCT, 2" THICK RIGID INSULATION WITH FULL PERIMETER EDGM MEMBRANE LINER, & DUCT VIBRATION ISOLATION. ANCHORS AND HANGERS SHALL PROVIDE FOR NEW CONCRETE FOUNDATION WITH SEISMIC ANCHORS, AND SHALL PENETRATION WITH LINTEL, AS DETAILED. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M2) AIR HANDLING UNIT, WITH SPRING ISOLATORS & STRUCTURAL STEEL FRAMING, BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. MECHANICAL CONTRACTOR SHALL PROVIDE FOR SEISMICALLY DESIGNED HANGERS WITH ANCHORS, AS DETAILED. MECHANICAL CONTRACTOR SHALL PROVIDE FOR REFRIGERANT LINE SETS, REFRIGERANT HOT WATER COIL, & VALVING, AS DETAILED. TEMPERATURE CONTROL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, INCLUDING TO ROOFTOP CONDENSING UNIT. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M3) ROOFTOP AIR HANDLING UNIT, WITH SEISMIC INSULATED ROOF CURB & STRUCTURAL STEEL REINFORCING, BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. MECHANICAL CONTRACTOR SHALL PROVIDE FOR HOT WATER COIL, & VALVING, AS DETAILED. MECHANICAL CONTRACTOR SHALL PROVIDE FOR STRUCTURAL STEEL REINFORCING FOR ROOF PENETRATIONS, FLASHING & ROOF REPAIRS USING AN OWNER-APPROVED ROOFING SUBCONTRACTOR. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M4) CONDENSING UNIT, WITH SEISMICALLY DESIGNED RAILS & STRUCTURAL STEEL REINFORCING, BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. MECHANICAL CONTRACTOR SHALL PROVIDE FOR SEISMICALLY DESIGNED HANGERS WITH ANCHORS, AS DETAILED. MECHANICAL CONTRACTOR SHALL PROVIDE FOR REFRIGERANT LINE SETS & REFRIGERANT AS SHOWN. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PRINTING PORTALS, ROOF PENETRATIONS, FLASHING & ROOF REPAIRS USING AN OWNER-APPROVED ROOFING SUBCONTRACTOR. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M5) EXHAUST FAN, WITH INSULATED ROOF CURB, M.O. DAMPER, & BIRSCREEN, BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. EXHAUST FAN TO BE CONTROLLED VIA IN-RESTROOM OCCUPANCY SENSOR WITH TIME DELAY OFF. MECHANICAL CONTRACTOR SHALL CONFIRM EXISTING ROOF SLOPE. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ROOF PENETRATIONS, FLASHING & ROOF REPAIRS USING AN OWNER-APPROVED ROOFING SUBCONTRACTOR. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M6) HEAT REPAIR UNIT, WITH SEISMICALLY DESIGNED RAILS & STRUCTURAL STEEL REINFORCING, BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. MECHANICAL CONTRACTOR SHALL PROVIDE FOR REFRIGERANT LINE SETS & REFRIGERANT, AS SHOWN. MECHANICAL CONTRACTOR SHALL PROVIDE FOR STRUCTURAL STEEL REINFORCING FOR ROOF PENETRATIONS, FLASHING & ROOF REPAIRS USING AN OWNER-APPROVED ROOFING SUBCONTRACTOR. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M7) FAN COIL UNIT, WITH SEISMICALLY DESIGNED HANGERS, SPRING ISOLATORS & INTEGRAL CONDENSATE PUMP, BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. MECHANICAL CONTRACTOR SHALL PROVIDE FOR REFRIGERANT LINE SETS & REFRIGERANT, AS SHOWN. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M8) REHEAT COILS, WITH SEISMICALLY DESIGNED HANGERS & SPRING ISOLATORS, BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M9) ROOF HATCH BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. ROOF HATCH TO MATCH EXISTING. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ROOF PENETRATIONS, FLASHING & ROOF REPAIRS USING AN OWNER-APPROVED ROOFING SUBCONTRACTOR. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M10) VAV BOX, WITH SEISMICALLY DESIGNED HANGERS & SPRING ISOLATORS, BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M11) DUCT SLENDER, WITH SEISMICALLY DESIGNED HANGERS & DUCT VIBRATION ISOLATION, BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M12) HYDROIC PUMP, WITH CONCRETE HOUSEKEEPING PAD, GROUTING, & SEISMIC INERTIA RESTRAINT BASE, BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. TEMPERATURE CONTROL CONTRACTOR SHALL PROVIDE & INSTALL THE LINE ELECTRICAL CONTROL FOR CIRCUITING TO/FROM BOTH VFD & PUMP. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M13) STEAM CONDENSATE PUMP, WITH CONCRETE HOUSEKEEPING PAD, BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M14) STEAM TO HOT WATER CONVERTER, WITH NEW STRUCTURAL STEEL FRAME, BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. MECHANICAL CONTRACTOR SHALL PROVIDE FOR STRUCTURAL STEEL FRAMING, AS DETAILED, COMPLETE WITH JOIST FRAMES & JOIST POINT. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M15) TRANSFER & DOOR CHILLER BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M16) MECHANICAL CONTRACTOR SHALL PROVIDE FOR REPLACEMENT OF EXISTING DEFUSERS & GRILLES, COMPLETE WITH SUPPLY/RETURN FLENUM BOX, AS DETAILED. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M17) STEAM PRV STATION BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS DETAILED. MECHANICAL CONTRACTOR SHALL ADD NEW PRV STATION TO EXISTING PRV STATION. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M18) NEW MEZZANINE ACCESS LADDER BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M19) MECHANICAL CONTRACTOR SHALL PROVIDE FOR RELOCATION OF EXISTING WATER HEATER & PUMP, AS SHOWN, COMPLETE WITH ANY NECESSARY PIPING EXTENSIONS. MECHANICAL CONTRACTOR SHALL PROVIDE FOR NEW 1/2" SUPPLY & RETURN TO NEW HEATING HOT WATER MAINS. MECHANICAL CONTRACTOR SHALL PROVIDE FOR NEW CONCRETE HOUSEKEEPING PAD AND SEISMIC WALL BRACING TO STRUCTURE. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M20) MECHANICAL CONTRACTOR SHALL SEISMICALLY BRACE ALL NEW DUCT TO STRUCTURE. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M21) ELECTRIC CABINET HEATER BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M22) AIR SEPARATOR TANK BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. MECHANICAL CONTRACTOR SHALL PROVIDE FOR 1" MAKE-UP VALVE & PRV, FROM DOMESTIC WATER SYSTEM. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M23) 50 GAL EXPANSION TANK, WITH OVERHEAD STRUCTURAL FRAME SUPPORT, BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M24) CHEMICAL ONE-SHOT FEEDER, WITH CONCRETE HOUSEKEEPING PAD, WITH ASSOCIATED PIPING, BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M25) GLYCOL FEEDER SYSTEM WITH CONCRETE HOUSEKEEPING PAD, WITH ASSOCIATED PIPING, BY MECHANICAL CONTRACTOR. SYSTEM SHALL BE EDGINGTON N63-06-AE-ARC, WITH 1/2 HP PUMP, 50 GALLON TANK, & CONTROL PANEL. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M26) NEW BOLLARD, BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. GENERAL CONTRACTOR SHALL DEMOLISH/REMOVE EXISTING CEILING, AS SHOWN. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M27) NEW LAY-IN CEILING, BY GENERAL CONTRACTOR. GENERAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M28) NEW LAY-IN CEILING, BY GENERAL CONTRACTOR. GENERAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. GENERAL CONTRACTOR SHALL DEMOLISH/REMOVE EXISTING CEILING, AS SHOWN. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M29) EXISTING CEILING, BY GENERAL CONTRACTOR. GENERAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. GENERAL CONTRACTOR SHALL REMOVE, SALVAGE, AND REINSTALL CEILING, AS SHOWN. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (M30) NEW LAY-IN CEILING, BY GENERAL CONTRACTOR. GENERAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. GENERAL CONTRACTOR SHALL DEMOLISH/REMOVE EXISTING CEILING, AS SHOWN. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.



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**GREEN ACTIVITIES CENTER  
PARTIAL RENOVATIONS**

Project #: 71GA-22-01  
VINCENNES CAMPUS

#	Revision	Date

Date: 02-02-2023  
Drawn By: NAB  
Checked By: MJH

**M5**  
ROOF LEVEL MEP  
PLAN

SCHEDULE OF MAKE-UP AIR UNIT																																					
MARK	MANUFACTURER	MODEL	AIR FLOW (CFM)	SUPPLY MOTOR (HP)	SUPPLY E.S.P. (IN)	EXHAUST (CFM)	EXHAUST MOTOR (HP)	EXHAUST E.S.P. (IN)	RECR. (CFM)	EER	ENTHALPY RECOVERY (%)	SUMMER						WINTER						TOTAL CAPACITY (BTU/HR)	SENSIBLE CAPACITY (BTU/HR)	ENTR. AIR TEMP. (°F)	LVS. AIR TEMP. (°F)	RH TOTAL CAPACITY (BTU/HR)	RH LVS. AIR TEMP. (°F)	HEATING CAPACITY (BTU/HR)	HEATING PERFORMANCE			ELECTRICAL DATA			REMARKS
												EA	SA	RA	EA	SA	RA	EA	SA	RA	EA	SA	RA								EA	SA	RA	EA	SA	RA	
MU-1	VALENT	VX1-35241D-051-2J2	16,000	0.1 @ 7.5	2.0	5,000	0.1 @ 1.1	1.0	11,000	15.5	80.5 %	9578	7898	7582	9275	247,500	-10/-11	5747	7256	305,190	546,000	402,200	7684	5332	276,800	69.1	609,800	83 GPM	9.0	180.0	180.0	67	114	208V, 3-PH	282.4	150	

NOTES: 1. DESIGNED FOR 90/70°F SUMMER OF WINTER.  
2. ALL FANS TO BE EQUIPPED WITH VFD.

SCHEDULE OF AIR HANDLING UNITS																		
MARK	MANUFACTURER	MODEL	AIR FLOW (CFM)	E.S.P. (IN)	HP	COOLING 2			LQ/HD TEMP	SUPERHEAT	COIL VELOCITY	COIL PRESSURE	COIL ROWS/ FINES/CIRCUITS	REHEAT COIL		MCA (A)	VOLTAGE	REMARKS
						TOTAL CAPACITY (BTU/HR)	SENSIBLE CAPACITY (BTU/HR)	COMPRESSORS STAGING						TOTAL CAPACITY (BTU/HR)	WATER FLOW (GPM)			
AHU-1	KRIEGER	BDU-20	2,000	1.0	1	85,100	59,600	(2)	43	110.0	10	411	0.35	684	—	16	120V, 1-PH	(2) KITCHEN

NOTES: 1. HORIZONTAL INSTALLATION. EQUIP W/ STAINLESS STEEL DRAIN PAN, DIRECT DRIVE E-C FAN, DX COOLING COIL, 0-10 DC FAN SPEED CONTROL, MERV 8 FILTER, FOIL-FACED ENCAPSULATED INSULATION, CONDENSATE OVERFLOW FLOAT SWITCH.  
2. AT 90/70°F ENTERING AIR TEMPERATURE.  
3. AT 90/70°F ENTERING AIR TEMPERATURE.

SCHEDULE OF ROOF TOP UNITS																		
MARK	MANUFACTURER	MODEL	AIR FLOW (CFM)	E.S.P. (IN)	HP	COOLING 2			LQ/HD TEMP	SUPERHEAT	COIL VELOCITY	COIL PRESSURE	COIL ROWS/ FINES/CIRCUITS	REHEAT COIL		MCA (A)	VOLTAGE	REMARKS
						TOTAL CAPACITY (BTU/HR)	SENSIBLE CAPACITY (BTU/HR)	COMPRESSORS STAGING						TOTAL CAPACITY (BTU/HR)	WATER FLOW (GPM)			
RTU-1	VALENT	VX-12-100-D1	3,300	1.5	3.13	108,100	91,400	(1)	54,654.5	11.3	56.9	—	—	—	—	208V, 3-PH		
RTU-2	VALENT	VX-12-90-D1	1,800	0.6	1	65,100	48,200	(1)	54,654.5	—	24.4	—	—	—	—	208V, 3-PH		
RTU-3	VALENT	VX-12-60-D1	1,425	0.6	0.4	52,100	38,100	(1)	54,654.5	—	18.6	—	—	—	—	208V, 3-PH		
RTU-4	VALENT	VX-12-40-D1	1,425	0.6	0.4	52,100	38,100	(1)	54,654.5	—	18.6	—	—	—	—	208V, 3-PH		
RTU-5	VALENT	VX-12-40-D1	1,425	0.6	0.4	52,100	38,100	(1)	54,654.5	—	18.6	—	—	—	—	208V, 3-PH		

NOTES: 1. (1) STAGE COOLING W/ 1 COMPRESSOR, ENTHALPY ECONOMIZER, BAROMETRIC RELIEF W/ LOW LEAKAGE DAMPERS, MODULATING O.A. DAMPER, ECM EVAPORATOR FAN, VFD DRIVE SUPPLY FAN, SEISMIC CURB.  
2. AT 90/70°F ENTERING AIR TEMPERATURE.  
3. ROOF MOUNT INSTALLATION W/ SEISMIC CURB, & VAV SPEED FAN, MODULATING O.A. DAMPER, ECONOMIZER, ECM EVAP. FAN, 1-STAGE COOLING/HEATING, LOW LEAKAGE DAMPERS, ENHANCED DEHUMIDIFICATION.

SCHEDULE OF OUTDOOR HEAT PUMP UNITS									
MARK	MANUFACTURER	MODEL	CAPACITY (BTU/HR)		POWER INPUT		MCA (A)	VOLTAGE	REMARKS
			COOLING	HEATING	COOLING (KW)	HEATING (KW)			
HP-1	LG	LUZ24RHV	30,000	33,000	3.8	208V, 1-PH	22	—	(2) CONTROLS ROOM

NOTES: 1. PROVIDE HAL GUARDS, ROOF MOUNT FRAME W/ SEISMIC ANCHORS, REMOTE CONTROLLER, AHU COMMUNICATIONS KIT FOR RA.  
2. PROVIDE FOR LOW AMBIENT COOLING OPERATION TO O/F.

SCHEDULE OF CONDENSING UNITS							
MARK	MANUFACTURER	MODEL	COOLING CAPACITY		POWER INPUT		REMARKS
			TOTAL (BTU/HR)	(KW)	COOLING (KW)	VOLTAGE	
CU-1	LG	ARJ4098BTES	96,000	5.3	208V, 3-PH	28.5	(2) KITCHEN

NOTES: 1. PROVIDE HAL GUARDS, ROOF MOUNT FRAME W/ SEISMIC ANCHORS, REMOTE CONTROLLER, AHU COMMUNICATIONS KIT FOR RA.

SCHEDULE OF FAN COIL UNITS									
MARK	MANUFACTURER	MODEL	CAPACITY (BTU/HR)		POWER INPUT		MCA (A)	VOLTAGE	REMARKS
			COOLING	HEATING	COOLING (KW)	HEATING (KW)			
FC-1	LG	LCN24RHV	30,000	33,000	—	208V, 1-PH	—	—	(2) CONTROLS ROOM

NOTES: 1. PROVIDE W/ INTEGRAL CONDENSATE PUMP WITH PIPING TO FLOOR DRAIN.

SCHEDULE OF VAV BOXES													
MARK	MANUFACTURER	MODEL	SIZE	MAX CFM	MIN CFM	E.S.P. (IN)	HEATING		LVS. WATER TEMP. (°F)	WATER FLOW (GPM)	WATER PRESS. DROP (FT)	REMARKS	
							TOTAL CAPACITY (BTU/HR)	ENTR. AIR TEMP. (°F)					
VAV-1	KRIEGER	LMS	12	1,800	206	0.4	26,900	55	160	127.9	1.7	0.28	(2) 2 ROW HWY COIL
VAV-2	KRIEGER	LMS	18	2,700	145	0.4	17,400	55	160	132	1.3	0.18	(2) 2 ROW HWY COIL
VAV-3	KRIEGER	LMS	06	400	52	0.4	7,100	55	160	130.7	0.7	0.1	(2) 2 ROW HWY COIL

NOTES: 1. EQUIP W/ BACNET INTERFACE TO BMS.

SCHEDULE OF HOT WATER COILS											
MARK	MANUFACTURER	MODEL	WATER INLET TEMP (°F)	WATER OUTLET TEMP (°F)	GPM	AIR PRESSURE DROP (IN)	AIR FLOW (CFM)	ENTERING DRY BULB TEMP (°F)	LEAVING DRY BULB TEMP (°F)	TOTAL HEATING CAPACITY (MBH)	REMARKS
HW-C-1	AEROFIN	18.0 x 18.0	180.0	160.0	7.0	0.27	1,900	60.0	55.0	68,100	
HW-C-2	AEROFIN	18.0 x 14.0	180.0	160.0	6.0	0.27	1,400	60.0	55.0	54,900	
HW-C-3	AEROFIN	18.0 x 14.0	180.0	160.0	6.0	0.27	1,400	60.0	55.0	54,900	
HW-C-4	AEROFIN	18.0 x 14.0	180.0	160.0	6.0	0.27	1,400	60.0	55.0	54,900	
HW-C-5	AEROFIN	18.0 x 18.0	180.0	160.0	7.0	0.27	1,900	60.0	55.0	68,100	

SCHEDULE OF PUMPS										
MARK	MANUFACTURER	SERIES	MODEL	GPM	HEAD (FT)	HP	RPM	EFF	VOLTAGE	REMARKS
HPW-1	BEG	1500	28C	150	90	7.5	1750	79%	208V, 3-PH	(2) END SUCTION
HPW-2	BEG	1500	28C	150	90	7.5	1750	79%	208V, 3-PH	(2) END SUCTION

NOTES: 1. PROVIDE WITH VFD DRIVE W/ FULL BYPASS AND DISCONNECT.

SCHEDULE OF HEAT EXCHANGERS									
MARK	MANUFACTURER	MODEL	TUBE SIDE (H2O)			SHELL SIDE (STEAM)			REMARKS
			GPM	TEMP. (°F)	PRESSURE DROP (FT)	LB/MH	PRESSURE (PSIG)	PRESSURE DROP (FT)	
HE-1	TRULUSH	76708-008-222	150	167/160	13.0	1335	10	13.0	SHELL & TUBE, RATED FOR BUILDING HEAT

STEAM PRV VALVES SCHEDULE						
MARK	MANUFACTURER	MODEL	CV	INLET PRESSURE (PSIG)	OUTLET PRESSURE (PSIG)	REMARKS
PRV-1	ARMSTRONG	GP2000-1	10.9	75	15	1072
PRV-2	ARMSTRONG	GP2000-1-12	18.8	75	15	2864

STEAM RELIEF VALVE SCHEDULE						
MARK	MANUFACTURER	MODEL	INLET SIZE (IN)	OUTLET SIZE (IN)	OUTLET PRESSURE (PSIG)	REMARKS
STEAM RELIEF	ARMSTRONG	6010-J1	2"	3/8"	25	2750

STEAM TRAP SCHEDULE						
MARK	MANUFACTURER	MODEL	CAPACITY (LB/HR)	OUTLET SIZE (IN)	OPERATING PRESSURE (PSIG)	REMARKS
ST-1	ARMSTRONG	FAT-TR	8,000	2"	15	
ST-2	ARMSTRONG	STT	400	3/8"	15	

STEAM CONDENSATE PUMP SCHEDULE							
MARK	MANUFACTURER	MODEL	GPM	OUTLET PRESSURE (PSIG)	HP	STORAGE (GAL)	REMARKS
CK-1	FABTEK	—	8	25	12	12	

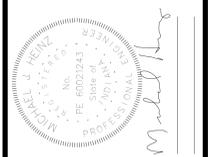
SCHEDULE OF CABINET HEATERS							
MARK	MANUFACTURER	MODEL	SIZE	HEATING CAPACITY (BTU/HR)	POWER (WATTS)	VOLTAGE	REMARKS
CH-1	QMARK	CDW155P	—	2,115	1,500	120V, 1-PH	13.5 SURFACE MOUNT

SCHEDULE OF FANS							
MARK	MANUFACTURER	MODEL	AIR FLOW (CFM)	RPM	BHP	SOUND (DONES)	REMARKS
EF-1	GREENHECK	BEG 180-7	3,000	1,260	74	14.5	25 208V, 3-PH (2) MECHANICAL ROOM

NOTES: 1. FURNISH W/ISHA APPROVED HOUSING, VIBRATION HANGERS, BRIDGECREAN AT FAN INLET & AT LOUVERS.

SCHEDULE OF DIFFUSERS & GRILLES										
MARK	MANUFACTURER	MODEL	INLET DIM. SIZE	NOMINAL SIZE	AIR FLOW (CFM)	AIR THROW (FT)	AIR PRESSURE DROP (IN W.C.)	SOUND (DONES)	MOUNTING	REMARKS
S1	PRICE	SMB	18" x 18"	24" x 24"	667	12-24	0.036	<15	LAY-IN	1
S2	PRICE	SMB	18" x 18"	24" x 24"	667	12-24	0.036	<15	DUCT	
S3	PRICE	SMB	15" x 15"	24" x 24"	667	10-20	0.036	<15	LAY-IN	(2)
S4	PRICE	SMB	15" x 15"	24" x 24"	475	10-21	0.036	<15	LAY-IN	1
S5	PRICE	S2DD	12" x 12"	12" x 12"	468	13-40	0.014	<15	WALL	(2)
S6	PRICE	SMB	18" x 18"	24" x 24"	400	10-21	0.036	<15	LAY-IN	(2)
S7	PRICE	SMB	12" x 12"	18" x 18"	300	8-19	0.036	<15	LAY-IN	(2)
S8	PRICE	S2DD	12" x 12"	12" x 12"	200	8-19	0.014	<15	DUCT	(2)
S9	PRICE	SMB	12" x 12"	12" x 12"	200	8-19	0.036	<15	LAY-IN	(2)
S10	PRICE	SMB	12" x 12"	12" x 12"	180	8-19	0.036	<15	LAY-IN	(2)
S11	PRICE	S2DD	12" x 12"	12" x 12"	180	7-24	0.008	<15	WALL	(2)
S12	PRICE	SMB	12" x 12"	12" x 12"	150	8-19	0.036	<15	SURFACE	(2)
S14	PRICE	SMB	12" x 12"	12" x 12"	80	8-12	0.036	<15	LAY-IN	(2)
S15	PRICE	SMB	12" x 12"	12" x 12"	75	8-12	0.036	<15	LAY-IN	(2)
S1	PRICE	IS	60" x 60"	60" x 60"	3000	—	—	<15	WALL	2
S2	PRICE	IS	24" x 24"	24" x 24"	3000	—	—	<15	LAY-IN	—
S3	PRICE	IS	24" x 24"	24" x 24"	1600	—	—	<15	WALL	(2)
S4	PRICE	IS	24" x 24"	24" x 24"	1600	—	—	<15	WALL	—
S5	PRICE	IS	24" x 24"	24" x 24"	1400	—	—	<15	LAY-IN	—
S6	PRICE	IS	12" x 12"	12" x 12"	150	—	—	<15	LAY-IN	—
S7	PRICE	IS	12" x 12"	12" x 12"	125	—	—	<15	LAY-IN	—
S8	PRICE	IS	24" x 24"	24" x 24"	75	—	—	<15	SURFACE	—
S9	PRICE	IS	24" x 24"	24" x 24"	75	—	—	<15	LAY-IN	—
DS	PRICE	ATGH	24" x 24"	24" x 24"	900	—	0.024	24	DOOR	—
TG-1	PRICE	IS	—	—	0	—	0.027	<15	WALL	—

NOTES: 1. PROVIDE OPPOSED-BLADE VOLUME DAMPER AT EACH SUPPLY DIFFUSER.  
2. PROVIDE FOR BLACK GRILLE IN COLOR. DUCTWORK/INSIDE GRILLE SHALL BE PAINTED BLACK TO REDUCE REFLECTIONS.



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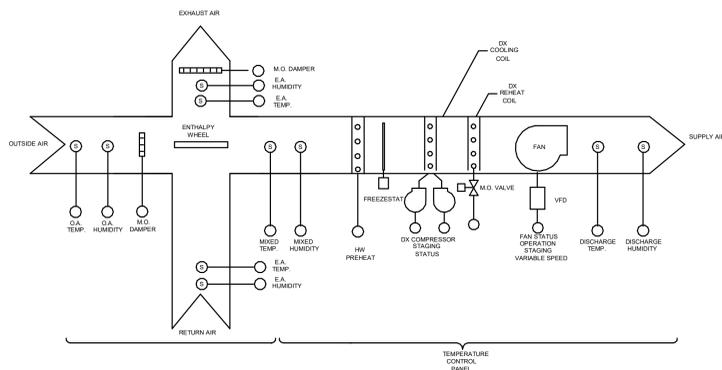
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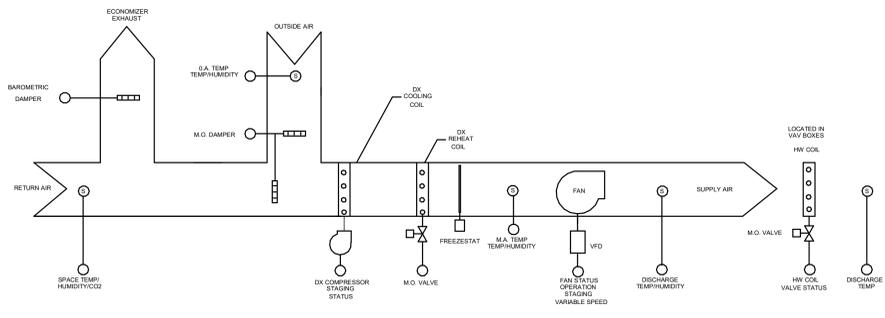
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GREEN ACTIVITIES CENTER  
PARTIAL RENOVATIONS

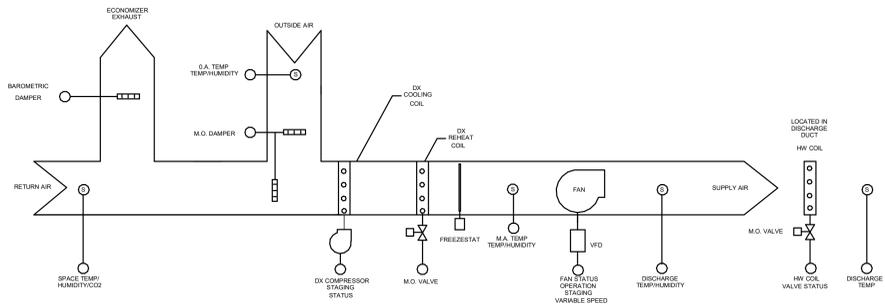
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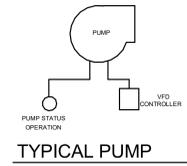
MU CONTROL DIAGRAM (VARIABLE SPEED)



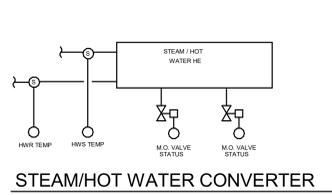
SINGLE ZONE RTU-1 CONTROL DIAGRAM (VARIABLE SPEED)



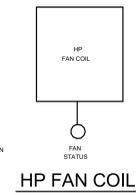
SINGLE ZONE RTU-2 CONTROL DIAGRAM (VARIABLE SPEED)



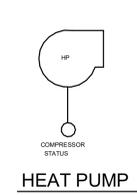
TYPICAL PUMP



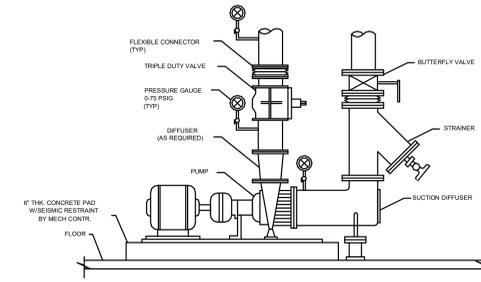
STEAM/HOT WATER CONVERTER



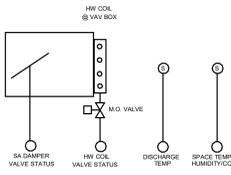
HP FAN COIL



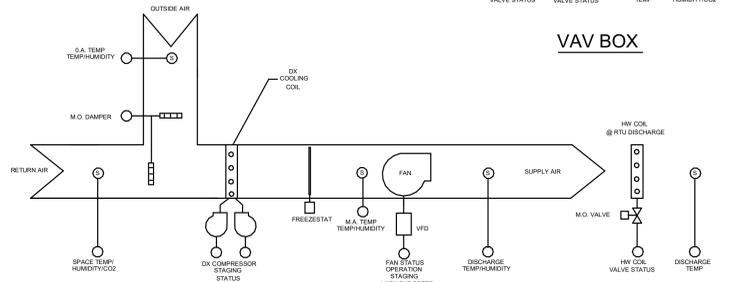
HEAT PUMP



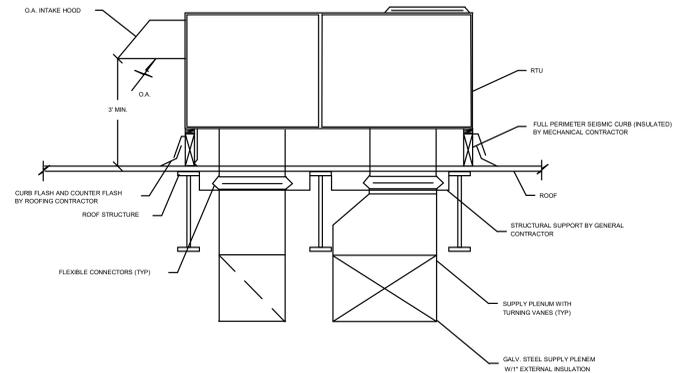
BASE-MOUNTED PUMP DETAIL (TYP)



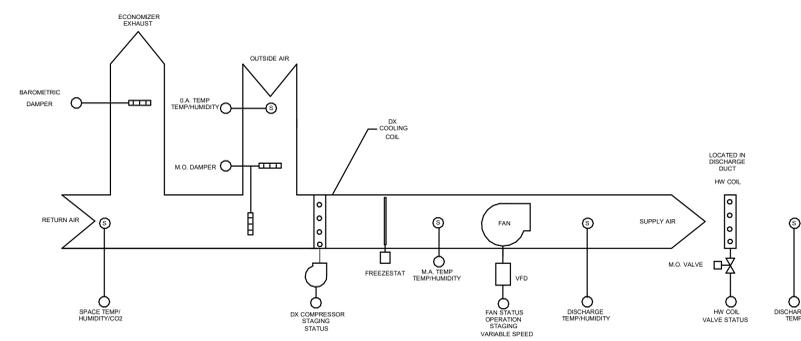
VAV BOX



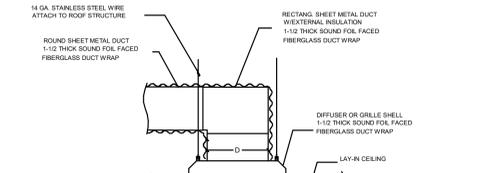
SINGLE ZONE AHU-1 CONTROL DIAGRAM (VARIABLE SPEED)



TYPICAL RTU INSTALLATION DETAIL

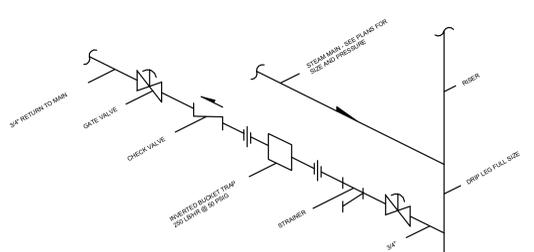


SINGLE ZONE RTU-3,4,5 CONTROL DIAGRAM (VARIABLE SPEED)

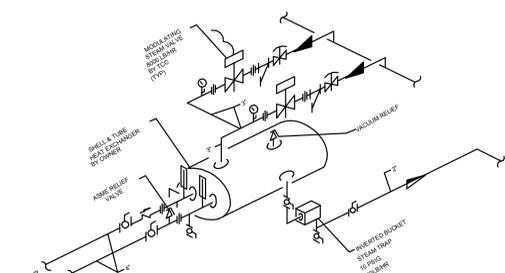


TYPICAL DIFFUSER/GRILLE DETAIL

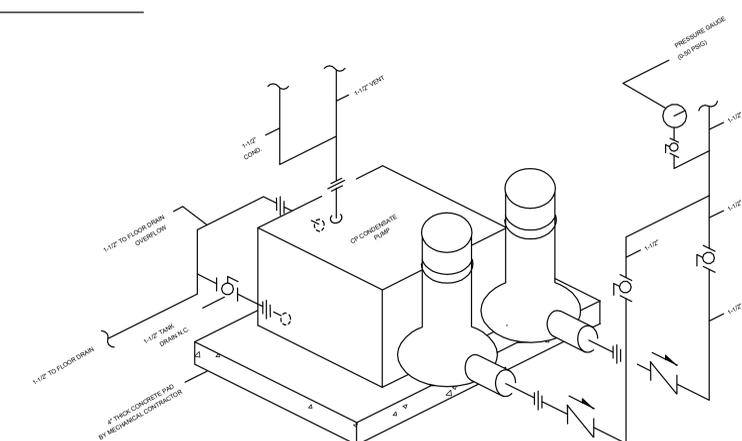
TEMPERATURE CONTROL DIAGRAMS



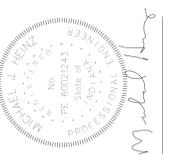
STEAM RISER/END-OF MAIN DRIP PIPING DIAGRAM



STEAM/HOT WATER CONVERTER PIPING DIAGRAM



COIL CONDENSATE PUMP PIPING DETAIL (TYP)



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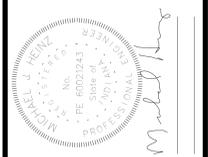
GREEN ACTIVITIES CENTER  
PARTIAL RENOVATIONS

Project #: 71GA-22-01  
VINCENNES CAMPUS

#	Revision	Date

Date: 02-02-2023  
Drawn By: NAB  
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M7  
MECHANICAL  
DETAILS 1



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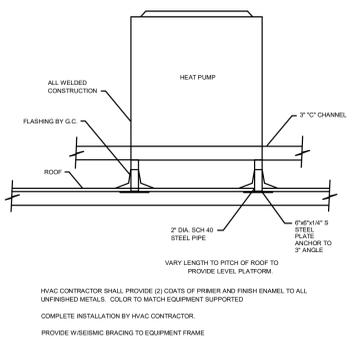
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CONSULTANT:  
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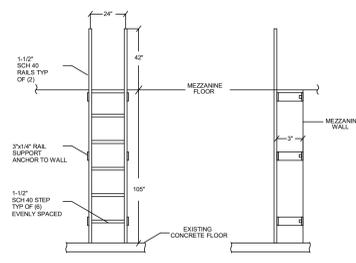
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# GREEN ACTIVITIES CENTER PARTIAL RENOVATIONS

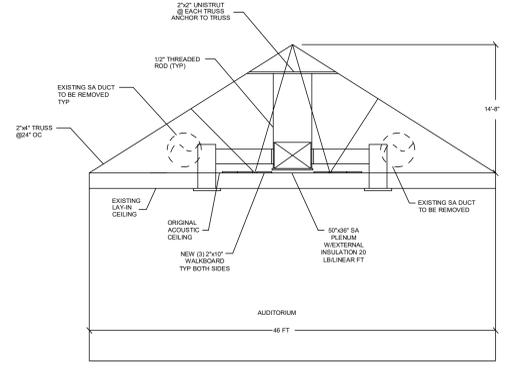
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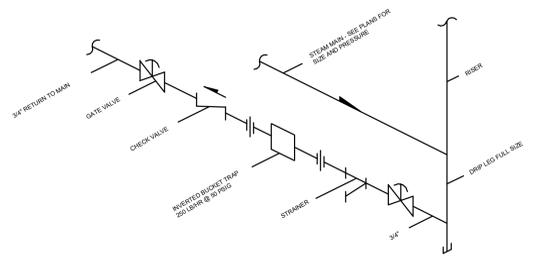
**ROOF MOUNT HEAT PUMP DETAIL**  
NTS



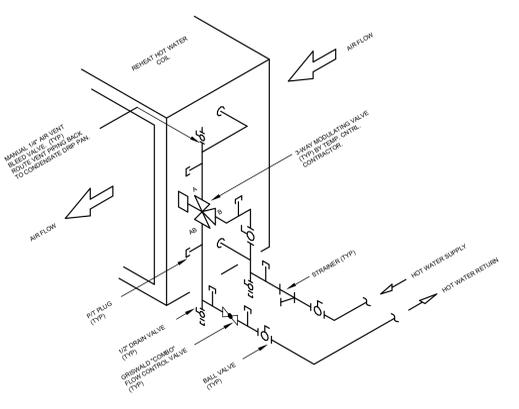
**MEZZANINE LADDER DETAIL**  
SCALE: NTS  
ALL WELDED CONSTRUCTION PRIME PAINT & (2) ENAMEL COATS



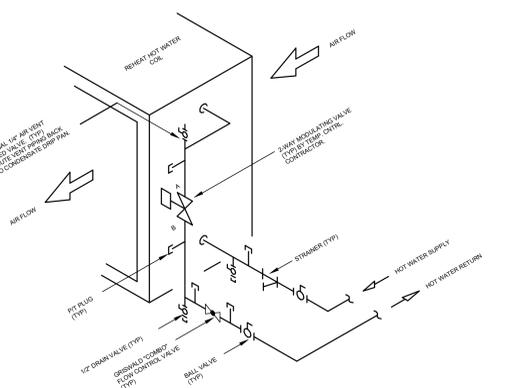
**AUDITORIUM DUCTWORK DETAIL**  
SCALE: 1/8" = 1'-0"  
NOTE: PROVIDE FOR SEISMIC RESTRAINT FOR ALL DUCT TO STRUCTURE



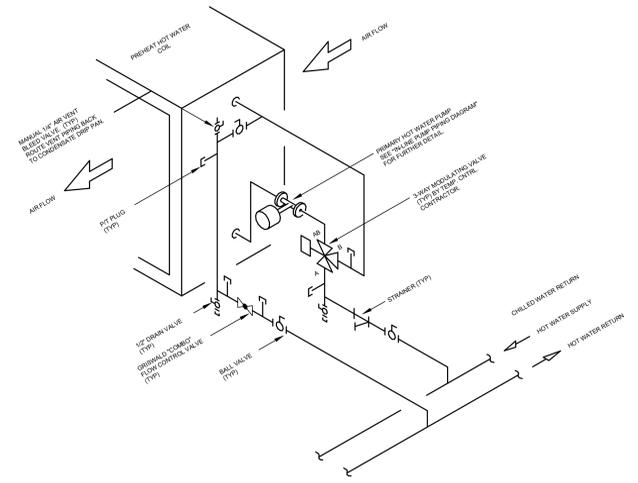
**STEAM RISER/END-OF MAIN DRIP PIPING DIAGRAM**  
NOTE: NTS  
COMPLETE INSTALLATION BY MECHANICAL CONTRACTOR



**RTU COIL PIPING DIAGRAM (TYP)**  
NOTE: MODULATING CONTROL VALVE BY TEMPERATURE CONTROL CONTRACTOR. FAN COIL, ALL PIPING, VALVES, ETC. & COMPLETE INSTALLATION BY MECHANICAL CONTRACTOR



**VAV COIL PIPING DIAGRAM (TYP)**  
NOTE: MODULATING CONTROL VALVE BY TEMPERATURE CONTROL CONTRACTOR. FAN COIL, ALL PIPING, VALVES, ETC. & COMPLETE INSTALLATION BY MECHANICAL CONTRACTOR

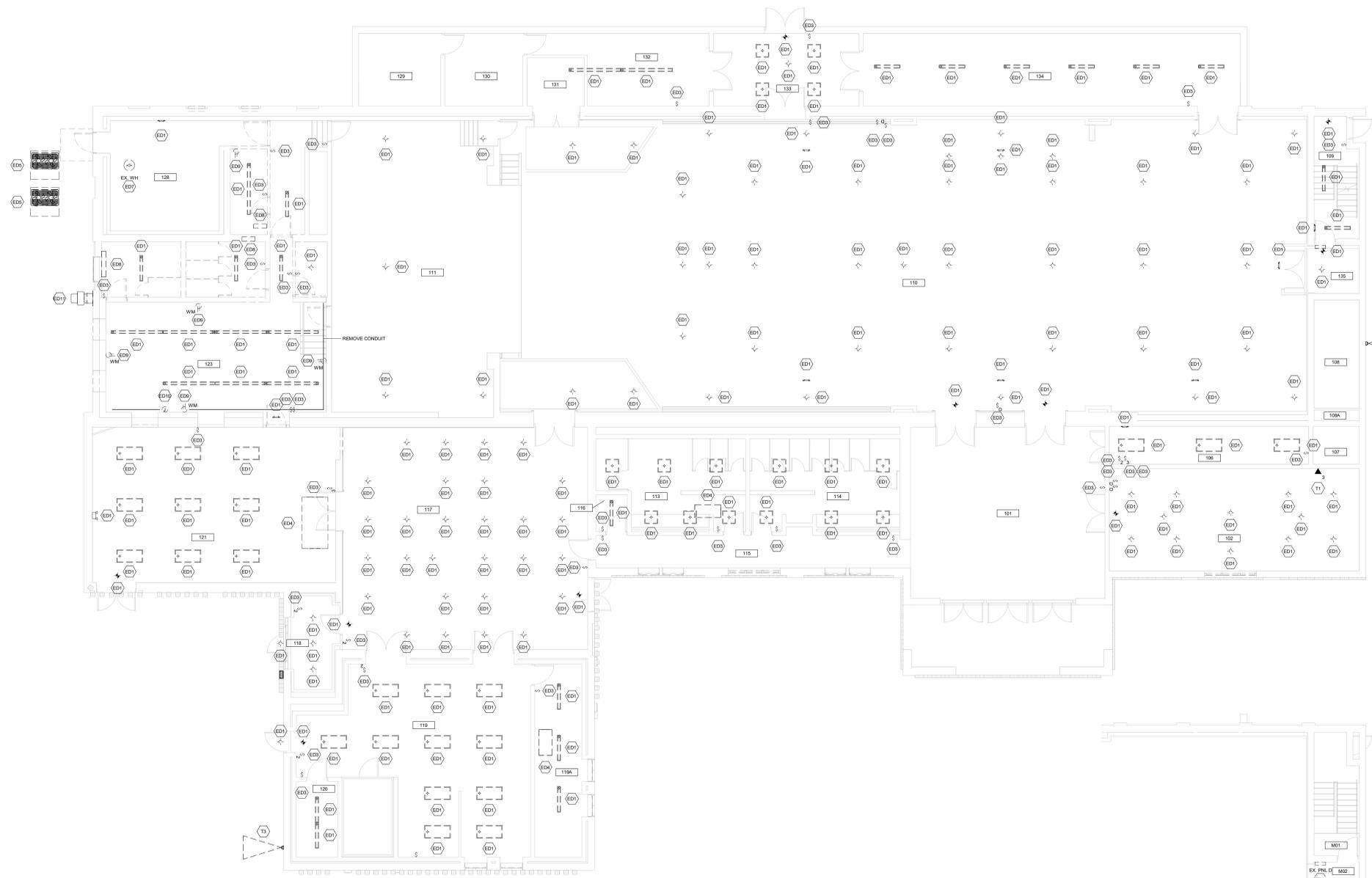


**MU COIL PIPING DIAGRAM**  
NOTE: NTS  
PROVIDE FOR FLEX PIPE CONNECTIONS ON ALL COILS

#	Revision	Date

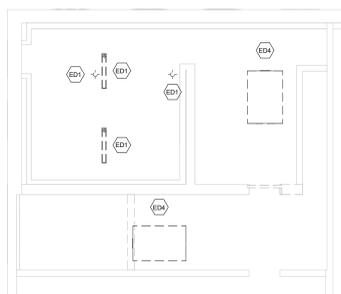
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**M8**  
MECHANICAL  
DETAILS 2



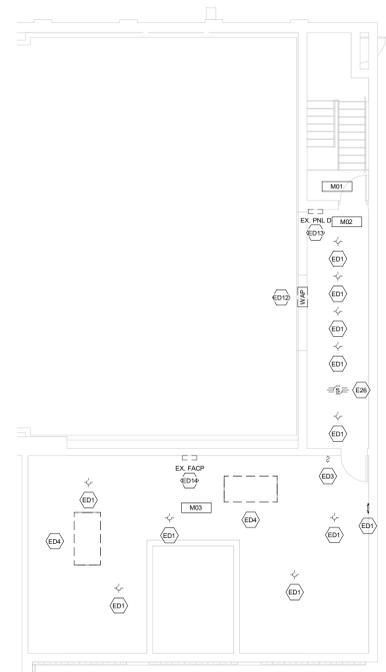
FIRST FLOOR ELECTRICAL DEMOLITION PLAN

1/8" = 1'-0"



SOUTH MEZZANINE ELECTRICAL DEMOLITION PLAN

1/8" = 1'-0"



NORTH MEZZANINE ELECTRICAL DEMOLITION PLAN

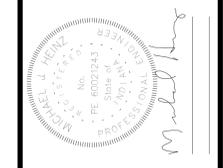
1/8" = 1'-0"

GENERAL ELECTRICAL NOTES

- 01 ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS & ELEVATIONS PRIOR TO CONSTRUCTION.
- 02 ELECTRICAL CONTRACTOR SHALL PROVIDE FOR TEMPORARY LIGHTING, AS NEEDED, FOR DURATION OF PROJECT.
- 03 ELECTRICAL CONTRACTOR SHALL CONFIRM ALL EQUIPMENT ELECTRICAL REQUIREMENTS, INCLUDING BREAKER/DISCONNECT CAPACITY, WITH OTHER TRADES PRIOR TO ORDERING.
- 04 ELECTRICAL CONTRACTOR SHALL PROVIDE FOR ALL FINAL TERMINATIONS & CONNECTIONS TO EQUIPMENT & POWER FEED COMPONENT.
- 05 ELECTRICAL CONTRACTOR SHALL VERIFY ALL CIRCUITS IN EXISTING PANELS, AND PROVIDE FOR NEW TYPED PANEL LEADERS UPON COMPLETION OF PROJECT. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR ALL ADDITIONAL PANEL CIRCUIT BREAKERS AS REQUIRED FOR INSTALLATION OF ALL CIRCUITS AS SHOWN.
- 06 ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONCRETE FLOOR CUTTING & REMOVAL, WHICH PERTAINS TO THEIR RESPECTIVE WORK, AND ALSO RESPONSIBLE FOR NEW COMPACTED GRANULAR BACKFILL TO UNDERSIDE OF SLAB. ALL REMOVED SPILL SHALL BE REMOVED & DISPOSED OFF-SITE. NO RE-USE ALLOWED. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FLOOR REPLACEMENT INCLUDING FINAL FINISH.
- 07 ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING ALL AFFECTED ROOF, CEILING, WALLS & FLOORS, AND FINISHING FLUSH TO SURFACE. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL SURFACE FINISH, IE. PAINT, TILE, CARPET, ETC.
- 08 THROUGH AND MEMBRANE PENETRATIONS IN FIRE RESISTIVE WALLS SHALL BE PREFORMED IN ACCORDANCE WITH THE INDIANA BUILDING CODE REGULATIONS. IN COMBUSTIBLE CONSTRUCTION, FIRESTOPPING SHALL BE INSTALLED TO CUT OFF CONTIGUOUS PARTY WALLS. BOTH VERTICAL AND HORIZONTAL AND SHALL FORM AN EFFECTIVE BARRIER BETWEEN FLOORS, BETWEEN A TOP STORY AND A ROOF OR ATTIC SPACE. FIRESTOPPING SHALL BE INSTALLED IN LOCATIONS IN ACCORDANCE WITH THE INDIANA BUILDING CODE REGULATIONS.

KEYED ELECT'L DEMOLITION NOTES

- ED01 ELECTRICAL CONTRACTOR SHALL CONFIRM CIRCUIT, THEN DEMOLISH/REMOVE ALL EXISTING LIGHT FIXTURE, LEAVING ALL ASSOCIATED WIRING CONDUIT FOR RE-CONNECTIONS & EXTENSIONS, AS NECESSARY. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- ED02 ELECTRICAL CONTRACTOR SHALL CONFIRM CIRCUIT, THEN DEMOLISH/REMOVE ALL EXISTING LIGHT FIXTURE, INCLUDING EXISTING SWITCH & SWITCH LEG WIRING, CAPPING REMAINING GANG BOX WITH BLANK FACE PLATE, ALL ASSOCIATED WIRING/CONDUIT, LEAVING HOLE/BACK TO FEEDER PANEL IN PLACE. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- ED03 ELECTRICAL CONTRACTOR SHALL CONFIRM CIRCUIT, THEN DEMOLISH/REMOVE EXISTING SWITCH & SWITCH LEG WIRING, CAPPING REMAINING GANG BOX WITH BLANK FACE PLATE. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- ED04 MECHANICAL CONTRACTOR SHALL DEMOLISH/REMOVE EXISTING AIR HANDLING UNIT. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO PATCH ANY REMAINING CONDUIT OR ANCHOR HOLES IN WALLS, CEILING, & FLOORS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- ED05 MECHANICAL CONTRACTOR SHALL DEMOLISH/REMOVE EXISTING CONDENSING UNIT, REFRIGERANT LINE SETS, & ASSOCIATED CONCRETE FOUNDATION. ELECTRICAL CONTRACTOR SHALL DEMOLISH/REMOVE ALL ASSOCIATED ELECTRICALS BACK TO FEEDER PANEL. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO PATCH ANY REMAINING CONDUIT OR ANCHOR HOLES IN WALLS, CEILING, & FLOORS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- ED06 MECHANICAL CONTRACTOR SHALL DEMOLISH/REMOVE EXISTING CONDENSING UNIT, REFRIGERANT LINE SETS, & ASSOCIATED RAISE/GRAB. ELECTRICAL CONTRACTOR SHALL DEMOLISH/REMOVE ALL ASSOCIATED ELECTRICALS BACK TO FEEDER PANEL. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO PATCH ANY REMAINING CONDUIT OR ANCHOR HOLES IN WALLS, CEILING, & FLOORS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- ED07 MECHANICAL CONTRACTOR SHALL DISCONNECT/REMOVE EXISTING WATER HEATER & PUMP, AS SHOWN. ELECTRICAL CONTRACTOR SHALL DEMOLISH/REMOVE ALL ASSOCIATED ELECTRICALS BACK TO FEEDER PANEL. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO PATCH ANY REMAINING CONDUIT OR ANCHOR HOLES IN WALLS, CEILING, & FLOORS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- ED08 MECHANICAL CONTRACTOR SHALL DEMOLISH/REMOVE EXISTING CHIMNEY WATER. ELECTRICAL CONTRACTOR SHALL DEMOLISH/REMOVE ALL ASSOCIATED ELECTRICALS BACK TO FEEDER PANEL. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO PATCH ANY REMAINING CONDUIT OR ANCHOR HOLES IN WALLS, CEILING, & FLOORS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- ED09 ELECTRICAL CONTRACTOR SHALL CONFIRM CIRCUIT, THEN DEMOLISH/REMOVE EXISTING DUPLEX RECEPTACLE, WIRE HOLES & ALL ASSOCIATED ELECTRICALS BACK TO FEEDER PANEL. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- ED10 ELECTRICAL CONTRACTOR SHALL CONFIRM CIRCUIT, THEN DEMOLISH/REMOVE EXISTING JUNCTION BOX, WIRE HOLES & ALL ASSOCIATED ELECTRICALS BACK TO FEEDER PANEL. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- ED11 MECHANICAL CONTRACTOR SHALL DEMOLISH/REMOVE EXISTING WALL MOUNT EXHAUST FAN. ELECTRICAL CONTRACTOR SHALL DEMOLISH/REMOVE ALL ASSOCIATED ELECTRICALS BACK TO FEEDER PANEL. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO PATCH ANY REMAINING CONDUIT OR ANCHOR HOLES IN WALLS, CEILING, & FLOORS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- ED12 ELECTRICAL CONTRACTOR SHALL CONFIRM CIRCUIT, THEN DEMOLISH/REMOVE EXISTING WIRELESS ACCESS POINT & ASSOCIATED WIRING/CONDUIT, AS NECESSARY. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- ED13 ELECTRICAL CONTRACTOR SHALL DEMOLISH/REMOVE EXISTING ELECTRICAL PANEL TOP & ASSOCIATED CONDUIT/CONDUCTOR BACK TO FEEDER PANEL. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO PATCH ANY REMAINING CONDUIT OR ANCHOR HOLES IN WALLS, CEILING, & FLOORS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- ED14 ELECTRICAL CONTRACTOR SHALL DEMOLISH/REMOVE EXISTING FIRE ALARM CONTROL PANEL, AND ASSOCIATED CONDUIT/CONDUCTOR BACK TO EQ. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO PATCH ANY REMAINING CONDUIT OR ANCHOR HOLES IN WALLS, CEILING, & FLOORS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.



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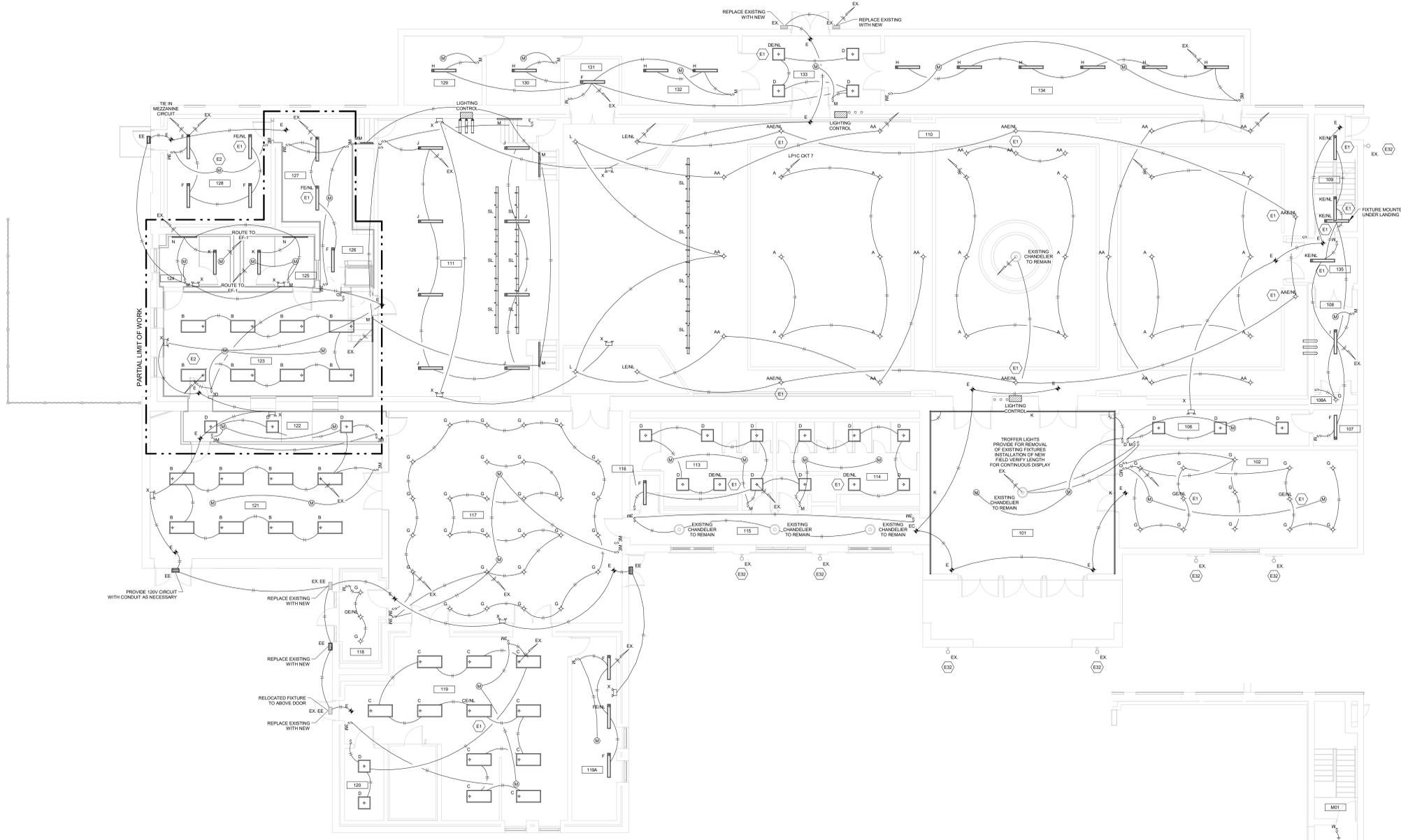
**GREEN ACTIVITIES CENTER  
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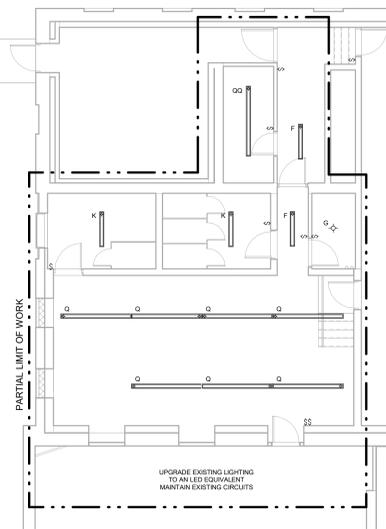
#	Revision	Date

Date: 02-02-2023  
Drawn By: NAB  
Checked By: MJH

**E1**  
ELECTRICAL  
DEMOLITION PLAN



**FIRST FLOOR ELECTRICAL LIGHTING PLAN**  
1/8" = 1'-0"



**FIRST FLOOR ELECTRICAL LIGHTING PLAN - BASE BID**  
1/8" = 1'-0"

**ELECTRICAL LIGHT FIXTURE SCHEDULE**

A1	COOPER-PORTFOLIO #D13A, 1" RECESSED CAN LED FIXTURE, 0-10V DIMMABLE, 4000K COLOR, 120V, 15,000 LUMENS, 10 WATTS. WITH DIMMABLE BALLAST, PLASTER RING, LOW SHIELD REFLECTOR, HEAT SINK. RETROFIT TO REPLACE EXISTING FIXTURES IN DRYWALL CEILING. VERIFY EXACT SIZE.
AA3	COOPER-PORTFOLIO #D18A, 1" RECESSED CAN LED FIXTURE, 0-10V DIMMABLE, 4000K COLOR, 120V, 7,000 LUMENS, 70 WATTS. WITH DIMMABLE BALLAST, PLASTER RING, LOW SHIELD REFLECTOR, HEAT SINK. RETROFIT TO REPLACE EXISTING FIXTURES IN DRYWALL CEILING. VERIFY EXACT SIZE.
AAENL1	COOPER-PORTFOLIO #D18A, 1" RECESSED CAN LED FIXTURE, 0-10V DIMMABLE, 4000K COLOR, 120V, 7,000 LUMENS, 70 WATTS. EQUIP WITH BATTERY/INVERTER FOR USE AS AN EMERGENCY/NIGHT LIGHT. WITH DIMMABLE BALLAST, PLASTER RING, LOW SHIELD REFLECTOR, HEAT SINK. RETROFIT TO REPLACE EXISTING FIXTURES IN DRYWALL CEILING. VERIFY EXACT SIZE.
B1	COOPER-METALLUX #K07P2138C, 2 x 4 RECESSED FLAT PANEL LED FIXTURE, 0-10V DIMMABLE, 4000K COLOR, 120V, 4,500 LUMENS, 42 WATTS.
BEENL1	COOPER-METALLUX #K07P2138C, 2 x 4 RECESSED FLAT PANEL LED FIXTURE, 0-10V DIMMABLE, 4000K COLOR, 120V, 4,500 LUMENS, 42 WATTS. EQUIP WITH BATTERY/INVERTER FOR USE AS AN EMERGENCY/NIGHT LIGHT.
C1	COOPER-METALLUX #K07P2138C, 2 x 4 RECESSED FLAT PANEL LED FIXTURE, 0-10V DIMMABLE, 4000K COLOR, 120V, 6,000 LUMENS, 60 WATTS.
CENL1	COOPER-METALLUX #K07P2138C, 2 x 4 RECESSED FLAT PANEL LED FIXTURE, 0-10V DIMMABLE, 4000K COLOR, 120V, 6,000 LUMENS, 60 WATTS. EQUIP WITH BATTERY/INVERTER FOR USE AS AN EMERGENCY/NIGHT LIGHT.
D1	COOPER-METALLUX #K07P2138C, 2 x 2 RECESSED FLAT PANEL LED FIXTURE, 0-10V DIMMABLE, 4000K COLOR, 120V, 3,100 LUMENS, 31 WATTS.
DENL1	COOPER-METALLUX #K07P2138C, 2 x 2 RECESSED FLAT PANEL LED FIXTURE, 0-10V DIMMABLE, 4000K COLOR, 120V, 3,100 LUMENS, 31 WATTS. EQUIP WITH BATTERY/INVERTER FOR USE AS AN EMERGENCY/NIGHT LIGHT.
E1	COOPER SURE-LITE #PLC, LED EXIT FIXTURE, MAXIMUM 5 WATTS PER FACE, 120V, LETTERING & CHEVRON COLOR SELECTION TO MATCH EXISTING SIGNS. EQUIP WITH BATTERY/INVERTER FOR USE AS AN EMERGENCY/NIGHT LIGHT.
EC1	COOPER SURE-LITE #PLC, LED EXIT FIXTURE WITH EMERGENCY LIGHTS, MAXIMUM 5 WATTS PER FACE, 120V, LETTERING & CHEVRON COLOR SELECTION TO MATCH EXISTING SIGNS. EQUIP WITH BATTERY/INVERTER FOR USE AS AN EMERGENCY/NIGHT LIGHT.
ED1	ELECTRICAL CONTRACTOR TO PROVIDE A 600 MILLI ALLOWANCE FOR MATCHING REAR ENTRANCE LIGHT FIXTURE. ALL CONSTRUCTION COSTS SHALL BE INCLUDED IN BASE BID.
EE1	COOPER-METALLUX #NLED, 4" SURFACE-MOUNT LINEAR LED FIXTURE, CLEAR LENS, 0-10V DIMMABLE, 4000K, 120V, 4,137 LUMENS, 31 WATTS.
FENL1	COOPER-METALLUX #NLED, 4" SURFACE-MOUNT LINEAR LED FIXTURE, CLEAR LENS, 0-10V DIMMABLE, 4000K, 120V, 4,137 LUMENS, 31 WATTS. EQUIP WITH BATTERY/INVERTER FOR USE AS AN EMERGENCY/NIGHT LIGHT.
GDENL1	HALO-COMMERCIAL #H0, 4" RECESSED CAN LED FIXTURE, 0-10V DIMMABLE, 4000K COLOR, 120V, MEDIAN DISTRIBUTION, 3,000 LUMENS, 27 WATTS.
JE1	COOPER-METALLUX #NLED, 4" SURFACE-MOUNT LINEAR LED FIXTURE, CLEAR LENS, 0-10V DIMMABLE, 4000K, 120V, 5,800 LUMENS, 51 WATTS.
JL1	COOPER-METALLUX #NLED, 4" SURFACE-MOUNT LINEAR LED FIXTURE, FROSTED LENS, 0-10V DIMMABLE, 4000K, 120V, 7,500 LUMENS, 62 WATTS.
K1	COOPER-METALLUX #NLED, 4" SURFACE-MOUNT LINEAR LED FIXTURE, CLEAR LENS, 0-10V DIMMABLE, 4000K, 120V, 2,310 LUMENS, 19 WATTS. INSTALLED IN CEILING TROFFER.
KENL1	COOPER-METALLUX #NLED, 4" SURFACE-MOUNT LINEAR LED FIXTURE, CLEAR LENS, 0-10V DIMMABLE, 4000K, 120V, 2,310 LUMENS, 19 WATTS. INSTALLED IN CEILING TROFFER. EQUIP WITH BATTERY/INVERTER FOR USE AS AN EMERGENCY/NIGHT LIGHT.
KEENL1	COOPER-METALLUX #NLED, 4" SURFACE-MOUNT LINEAR LED FIXTURE, CLEAR LENS, 0-10V DIMMABLE, 4000K, 120V, 2,310 LUMENS, 19 WATTS. INSTALLED IN CEILING TROFFER. EQUIP WITH BATTERY/INVERTER FOR USE AS AN EMERGENCY/NIGHT LIGHT.
L1	COOPER-PORTFOLIO #D18A, 1" RECESSED CAN LED FIXTURE, 0-10V DIMMABLE, 4000K COLOR, 120V, 4,000 LUMENS, 38 WATTS.
M1	COOPER-METALLUX #NLED, 4" SURFACE-MOUNT LINEAR LED FIXTURE, CLEAR LENS, 0-10V DIMMABLE, 4000K, 120V, 2,380 LUMENS, 19 WATTS.
MM1	COOPER-METALLUX #NLED, 4" SURFACE-MOUNT LINEAR LED FIXTURE, CLEAR LENS, 0-10V DIMMABLE, 4000K, 120V, 1,900 LUMENS, 14 WATTS.
N1	CELESTIAL-AQUARIUS IR SERIES, SURFACE-MOUNT VANTY LED FIXTURE, 4000K, 120V, 2,700 LUMENS, 9 WATT PER LAMP, FACTORY COLOR SELECTION BY ARCHITECT. EQUIP WITH HOUSING LAMP GUARD. REFER TO ARCHITECT DRAWINGS FOR LENGTH & SPACINGS. COORDINATE INSTALLATION WITH GENERAL CONTRACTOR.
O1	COOPER-LUMARK #K10R MAX LED, WALL MOUNT LED WALL PACK, FULL CUTOFF, WITH PHOTOCELL, FACTORY COLOR SELECTION BY ARCHITECT, 4000K, 120V, 7,300 LUMENS, 62 WATTS.
P1	LEVITON #929 WITH GUARD, 120V, (1) LED LAMP, MAX 30 WATTS.
Q1	COOPER-METALLUX #NLED, 8" SUSPENDED LINEAR LED FIXTURE, CLEAR LENS, 0-10V DIMMABLE, 4000K, 120V, 6,154 LUMENS, 51 WATTS.
QO1	COOPER-METALLUX #NLED, 8" SUSPENDED LINEAR LED FIXTURE, CLEAR LENS, 0-10V DIMMABLE, 4000K, 120V, 6,154 LUMENS, 51 WATTS.
SI	EXISTING STAGE LIGHTING NOT IN CONTRACT.

**SOUTH MEZZANINE ELECTRICAL LIGHTING PLAN**  
1/8" = 1'-0"

**NORTH MEZZANINE ELECTRICAL LIGHTING PLAN**  
1/8" = 1'-0"

**ELECTRICAL LIGHTING LEGEND**

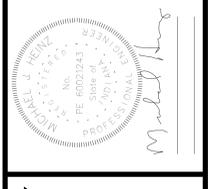
⊞	SINGLE POLE WALL SWITCH
⊞	SINGLE POLE WALL SWITCH W/ OCCUPANCY SENSOR
⊞	SINGLE POLE WALL SWITCH W/ DIMMER
⊞	WALL SWITCH W/ LIGHTING CONTRACTORS
⊞	3-WAY WALL SWITCH
⊞	4-WAY WALL SWITCH
⊞	OCCUPANCY SENSOR LIGHT SWITCH
⊞	ILLUMINATED EXIT SIGN
⊞	ILLUMINATED EXIT SIGN W/ DIRECTION ARROW
⊞	EMERGENCY LIGHT
⊞	CEILING MOUNT LIGHT FIXTURE
⊞	WALL MOUNT LIGHT FIXTURE
⊞	2X4 LIGHT FIXTURE
⊞	2X4 LIGHT FIXTURE
⊞	STRIP LIGHT FIXTURE

**GENERAL ELECTRICAL NOTES**

- 01 ELECTRICAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS & ELEVATIONS PRIOR TO CONSTRUCTION.
- 02 ELECTRICAL CONTRACTOR SHALL PROVIDE FOR TEMPORARY LIGHTING, AS NEEDED, FOR DURATION OF PROJECT.
- 03 ELECTRICAL CONTRACTOR SHALL CONFIRM ALL EQUIPMENT ELECTRICAL REQUIREMENTS, INCLUDING BREAKER/DISCONNECT CAPACITY, WITH OTHER TRADES PRIOR TO ORDERING.
- 04 ELECTRICAL CONTRACTOR SHALL PROVIDE FOR ALL FINAL TERMINATIONS & CONNECTIONS TO EQUIPMENT & POWER FEED COMPONENT.
- 05 ELECTRICAL CONTRACTOR SHALL VERIFY ALL CIRCUITS IN EXISTING PANELS AND PROVIDE FOR NEW TYPED PANEL LEADERS UPON COMPLETION OF WORK. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR ALL ADDITIONAL PANEL CIRCUIT BREAKERS AS REQUIRED FOR INSTALLATION OF ALL CIRCUITS AS SHOWN.
- 06 ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONCRETE FLOOR CUTTING & REMOVAL, WHICH PERTAINS TO THEIR RESPECTIVE WORK. ALL REMOVED SPOL SHALL BE REMOVED & DISPOSED OFF-SITE. NO RE-USE ALLOWED. ELECTRICAL CONTRACTOR RESPONSIBLE FOR CONCRETE FLOOR REFINISHMENT INCLUDING FINAL FINISH.
- 07 ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING ALL AFFECTED ROOF, CEILING, WALLS & FLOORS, AND FINISHING FLUSH TO EXISTING. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR ALL SURFACE FINISH: TILE, PAINT, T&E, CARPET, ETC.
- 08 THROUGH-WALL PENETRATIONS IN FIRE RESISTIVE WALLS SHALL BE PREPARED IN ACCORDANCE WITH THE SEAMA BUILDING CODE REGULATIONS. IN COMBUSTIBLE CONSTRUCTION, FIRESTOPPING SHALL BE INSTALLED TO PREVENT UNCONTROLLED SPREAD OF FIRE. BOTH VERTICAL & HORIZONTAL SHALL FORM AN EFFECTIVE BARRIER BETWEEN FLOORS, BETWEEN A TOP STORY AND A ROOF OR ATTIC SPACE. FIRESTOPPING SHALL BE INSTALLED IN LOCATIONS IN ACCORDANCE WITH THE SEAMA BUILDING CODE REGULATIONS.

**KEYED ELECTRICAL NOTES**

- E1 ELECTRICAL CONTRACTOR SHALL PROVIDE FOR A SECOND CIRCUIT ROUTED TO EACH EMERGENCY/NIGHT LIGHT FIXTURE, INCLUDING THE FOLLOWING: IN DOWN-DRAWL, THIS SECOND CIRCUIT SHALL BE 120V POWER, WHICH WILL ENABLE FIXTURES BATTERY BACKUP AND PROVIDE FOR EMERGENCY EGRESS EXITING. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E2 ELECTRICAL CONTRACTOR SHALL INSTALL NEW LIGHT FIXTURE AFTER MECHANICAL DUCTWORK & PIPING IS SUBSTANTIALLY COMPLETE. EXTENDING WIRING/CONDUIT TO NEW FIXTURE LOCATIONS, AS NECESSARY. EXACT FIXTURE LOCATION TO BE FIELD DETERMINED, TO PROVIDE OPTIMAL ILLUMINATION IN ROOM. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E3 NOT USED.
- E4 MAKE-UP AIR UNIT, WITH CONCRETE FOUNDATION BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR 200V 3-PH CIRCUIT (3) 600A NEMA 3R DISCONNECT, NEW BREAKER/USING AT FEEDER PANEL & FINAL TERMINATIONS. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR DUCT SMOKE DETECTOR, LOCATED TYPICALLY AT FEEDER PANEL & FINAL TERMINATIONS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E5 AIR HANDLING UNIT, WITH SPRING ISOLATORS & STRUCTURAL STEEL FRAMING, BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR 200V 3-PH CIRCUIT (3) 600A NEMA 3R DISCONNECT, NEW BREAKER/USING AT FEEDER PANEL & FINAL TERMINATIONS. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR DUCT SMOKE DETECTOR, LOCATED IN RETURN AIR DUCTWORK, ROUTED TO EXISTING FIRE ALARM CONTROL PANEL & PROGRAMMED TO AUTOMATICALLY SHUT DOWN FAN OPERATOR UPON ACTIVATION. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E6 ROOFTOP AIR HANDLING UNIT, WITH SEISMIC INSULATED ROOF CURB & STRUCTURAL STEEL REINFORCING, BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR 200V 3-PH CIRCUIT (3) 600A NEMA 3R DISCONNECT, NEW BREAKER/USING AT FEEDER PANEL & FINAL TERMINATIONS. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR DUCT SMOKE DETECTOR, LOCATED IN RETURN AIR DUCTWORK, ROUTED TO EXISTING FIRE ALARM CONTROL PANEL & PROGRAMMED TO AUTOMATICALLY SHUT DOWN FAN OPERATOR UPON ACTIVATION. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E7 ROOFTOP AIR HANDLING UNIT, WITH SEISMIC INSULATED ROOF CURB & STRUCTURAL STEEL REINFORCING, BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR 200V 3-PH CIRCUIT (3) 600A NEMA 3R DISCONNECT, NEW BREAKER/USING AT FEEDER PANEL & FINAL TERMINATIONS. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR DUCT SMOKE DETECTOR, LOCATED IN RETURN AIR DUCTWORK, ROUTED TO EXISTING FIRE ALARM CONTROL PANEL & PROGRAMMED TO AUTOMATICALLY SHUT DOWN FAN OPERATOR UPON ACTIVATION. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E8 CONDENSING UNIT, WITH SEISMICALLY DESIGNED RAILS & STRUCTURAL STEEL REINFORCING, BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR 200V 3-PH CIRCUIT (3) 600A NEMA 3R DISCONNECT, NEW BREAKER/USING AT FEEDER PANEL & FINAL TERMINATIONS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E9 EXHAUST FAN, WITH INSULATED ROOF CURB, I.D.O. DAMPER & BIRDSCREEN, BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR 120V 1-PH CIRCUIT (2) #12 THIN + GND, COMPLETE NEMA 1 COMBINATION STARTER/DISCONNECT, NEW BREAKER/USING AT FEEDER PANEL & FINAL TERMINATIONS. EXHAUST FAN TO BE CONTROLLED BY PRESSURE ROOM OCCUPANCY SENSOR WITH TIME DELAY OFF. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E10 HEAT PUMP UNIT, WITH SEISMICALLY DESIGNED RAILS & STRUCTURAL STEEL REINFORCING, BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR 200V 1-PH CIRCUIT (2) #12 THIN + GND, COMPLETE NEMA 1 DISCONNECT, NEW BREAKER/USING AT FEEDER PANEL & FINAL TERMINATIONS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E11 FAN COIL UNIT, WITH SEISMICALLY DESIGNED HANGERS, SPRING ISOLATORS & INTEGRAL CONDENSATE PUMP, BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR 200V 1-PH CIRCUIT (2) #12 THIN + GND, COMPLETE NEMA 1 DISCONNECT, NEW BREAKER/USING AT FEEDER PANEL & FINAL TERMINATIONS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E12 HYDRO-PUMP, WITH CONCRETE HOUSEKEEPING PAD, GROUTING, & SEISMIC INERTIA RESTRAINT BASE, BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR 200V 1-PH CIRCUIT (2) #12 THIN + GND, COMPLETE NEMA 1 DISCONNECT, NEW BREAKER/USING AT FEEDER PANEL & FINAL TERMINATIONS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E13 STEAM CONDENSATE PUMP, WITH CONCRETE HOUSEKEEPING PAD, BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR 200V 1-PH CIRCUIT (2) #12 THIN + GND, COMPLETE NEMA 1 DISCONNECT, NEW BREAKER/USING AT FEEDER PANEL & FINAL TERMINATIONS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E14 NEW EXIT DOOR BY GENERAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR ANY CONDUIT/CONDUIT RELATIONS, AS NECESSARY. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E15 MECHANICAL CONTRACTOR SHALL PROVIDE FOR RELOCATION OF EXISTING WATER HEATER & PUMP, AS SHOWN. COMPLETE WITH ANY NECESSARY SPRING EXTENSIONS. FOR WATER HEATER, ELECTRICAL CONTRACTOR SHALL PROVIDE FOR 120V 1-PH CIRCUIT (2) #12 THIN + GND, COMPLETE NEMA 1 DISCONNECT, NEW BREAKER/USING AT FEEDER PANEL & FINAL TERMINATIONS. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR 120V 1-PH CIRCUIT (2) #12 THIN + GND, COMPLETE NEMA 1 DISCONNECT, NEW BREAKER/USING AT FEEDER PANEL & FINAL TERMINATIONS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E16 CONDENSING UNIT, WITH SEISMICALLY DESIGNED RAILS & STRUCTURAL STEEL REINFORCING, BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR 200V 3-PH CIRCUIT (3) 600A NEMA 3R DISCONNECT, NEW BREAKER/USING AT FEEDER PANEL & FINAL TERMINATIONS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E17 LIFT PROVIDED & INSTALLED BY GENERAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR 120V 1-PH CIRCUIT (2) #12 THIN + GND, COMPLETE NEMA 1 DISCONNECT, NEW BREAKER/USING AT FEEDER PANEL & FINAL TERMINATIONS. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL POWER & CONTROL WIRING FROM CONTROLLER TO LIFT. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E18 ELECTRIC CABINET HEATER BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR A 120V 1-PH CIRCUIT (2) #12 THIN + GND, WITH A NEMA 1 DISCONNECT, COMPLETE WITH FINAL TERMINATIONS. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ALL TRADES & OWNER.
- E19 CONDUITS BY ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR (3) CONDUITS, ROUTE FROM BENCH ROOM TO STAGE HOUSE. ELECTRICAL CONTRACTOR SHALL HOLD DROPPERS AT LIGHTING CONTROLS IN AUDITORIUM AS SHOWN. ELECTRICAL CONTRACTOR SHALL INCLUDE A PULL THROUGH IN EACH CONDUIT FOR FUTURE. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ALL TRADES & OWNER.
- E20 TELEVISION PROVIDED BY OWNER, WITH MOUNTING & INSTALLATION BY ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR 120V SUPPLY CABLE & CONTROL DATA DROP, (1) HDMI DROP AT APPROXIMATELY 60" A.F.F. ELECTRICAL CONTRACTOR SHALL CONFIRM EXACT LOCATION & ELEVATION WITH ARCHITECT. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E21 VAV BOX UNIT, WITH SPRING ISOLATORS, BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR 120V 1-PH CIRCUIT (2) #12 THIN + GND, WITH A NEMA 1 DISCONNECT, COMPLETE WITH FINAL TERMINATIONS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E22 ELECTRICAL CONTRACTOR SHALL INVESTIGATE & REPAIR WIRING ON 100A BREAKER LISTED AS "ICE MACHINE". COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E23 HEATING HOT WATER PIPING BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE HEAT TRAC FOR FULL LENGTH IN WATERVALVE, WITH 120V 1-PH CIRCUIT (2) #12 THIN + GND, COMPLETE WITH A NEMA 3R DISCONNECT, THERMOSTAT FOR AUTOMATIC OPERATION, & FINAL TERMINATIONS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E24 ELECTRICAL CONTRACTOR SHALL REPLACE EXISTING STAGE HOUSE LIGHTING AS SHOWN. COORDINATE NEW LOCATIONS WITH OWNER. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E25 NEW FIRE ALARM DEVICE (SMOKE/HEAT DETECTOR, HORN/ROBBER ALARM, MANUAL PULL STATION, ETC.) BY ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATION & DETAILS. COMPLETE WITH FINAL TERMINATIONS. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR TESTING OF ENTIRE SYSTEM. PRIOR TO SUBSTANTIAL COMPLETION, NOT ALL DEVICES ARE INDICATED WITH A KEYED NOTE, FOR CLARITY. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E26 NEW FIRE ALARM DEVICE (SMOKE/HEAT DETECTOR, HORN/ROBBER ALARM, MANUAL PULL STATION, ETC.) BY ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATION & DETAILS. COMPLETE WITH FINAL TERMINATIONS. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR TESTING OF ENTIRE SYSTEM. PRIOR TO SUBSTANTIAL COMPLETION, NOT ALL DEVICES ARE INDICATED WITH A KEYED NOTE, FOR CLARITY. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E27 ELECTRICAL CONTRACTOR SHALL DISCONNECT/REMOVE EXISTING FIRE ALARM DEVICE (SMOKE/HEAT DETECTOR, HORN/ROBBER ALARM, MANUAL PULL STATION, ETC.) AND PROVIDE FOR NEW DEVICE & WIRING TO NEW FIRE ALARM PANEL. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR TESTING & REPAIR OF ENTIRE SYSTEM. PRIOR TO SUBSTANTIAL COMPLETION, NOT ALL DEVICES ARE INDICATED WITH A KEYED NOTE, FOR CLARITY. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E28 GENERAL CONTRACTOR SHALL PAINT EXISTING JUNCTION BOX FACEPAINT TO MATCH EXISTING WALL COLOR. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E29 ELECTRICAL CONTRACTOR SHALL REPLACE EXISTING RECEPTACLE (OUTLETS, 0.6U, 0.6U, QUADRA) WITH NEW RECEPTACLE, SAME TYPE/GRAY IN COLOR AS SHOWN. ELECTRICAL CONTRACTOR SHALL REPLACE EXISTING RECEPTACLE, MATCHING JUNCTION BOXES, WITH NEW FRIGATE, STAINLESS STEEL RECEPTACLE AS SHOWN. COORDINATE INSTALLATION WITH ALL TRADES AND OWNER.
- E30 PANELBOARD BY ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATION & DETAILS. COMPLETE WITH FINAL TERMINATIONS. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR NEW FEEDER WITH CIRCUIT BREAKER FROM EXISTING BUS. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR FLOOR MOUNT 4-TRAME FOR PANEL SUPPORT. DO NOT MOUNT PANEL UNDER DUCTWORK. COORDINATE INSTALLATION WITH ALL TRADES AND OWNER.
- E31 GLYCOL PUMP BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR 120V 1-PH CIRCUIT (2) #12 THIN + GND, WITH A NEMA 1 DISCONNECT, COMPLETE WITH FINAL TERMINATIONS. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ALL TRADES & OWNER.
- E32 ELECTRICAL CONTRACTOR SHALL CONFIRM CIRCUIT, THEN DISCONNECT/REMOVE AND CLEAN EXISTING LIGHT FIXTURES, LEAVING ALL ASSOCIATED WIRING/CONDUIT FOR RECONNECTING TO NEW DEVICES, IF NECESSARY. ELECTRICAL CONTRACTOR SHALL RETROFIT LIGHT FIXTURES FOR LED CAPABILITY. EQUIP WITH BATTERY/INVERTER FOR USE AS AN EMERGENCY/NIGHT LIGHT WITH PHOTOCELL. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS, COMPLETE WITH FINAL TERMINATIONS. CUSTOM COLOR SELECTION BY ARCHITECT. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E33 ELECTRICAL CONTRACTOR SHALL PROVIDE FOR GROUNDING OF (3) SURGE SUPPRESSION DEVICES. ELECTRICAL CONTRACTOR SHALL GROUND DEVICES TO BUILDING GROUND. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E34 ELECTRICAL CONTRACTOR SHALL PROVIDE FOR CLEANING OF EXISTING CHANDELIERS BY PROFESSIONAL CLEANING COMPANY AT END OF PROJECT.
- E35 FIRE ALARM PANEL BY ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATION & DETAILS. COMPLETE WITH FINAL TERMINATIONS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E36 FIRE SPRINKLER FLOW & VALVE MANIFOLD SWITCHES BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR FIRE ALARM CIRCUIT TO FLOW & DAMPER SWITCHES, AT INTERFERE FIELD LOCATION OF EXTERIOR F.V. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAW-CUTTING, LOCATION, INSTALLATION, & BACKFILLING/CONCRETE, AND COMPLETE SURFACE RESTORATION. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E37 ELECTRIC HAND DRYER BY GENERAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR 120V 1-PH CIRCUIT (2) #12 THIN + GND, WITH A NEMA 1 DISCONNECT, WITH FINAL TERMINATIONS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.



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CONSULTANT:

**GREEN ACTIVITIES CENTER  
PARTIAL RENOVATIONS**

Project #: 71GA-22-01  
VINCENNES CAMPUS

#	Revision	Date

Date: 02-02-2023  
Drawn By: NAB  
Checked By: MJH

**E2**  
ELECTRICAL  
LIGHTING PLAN

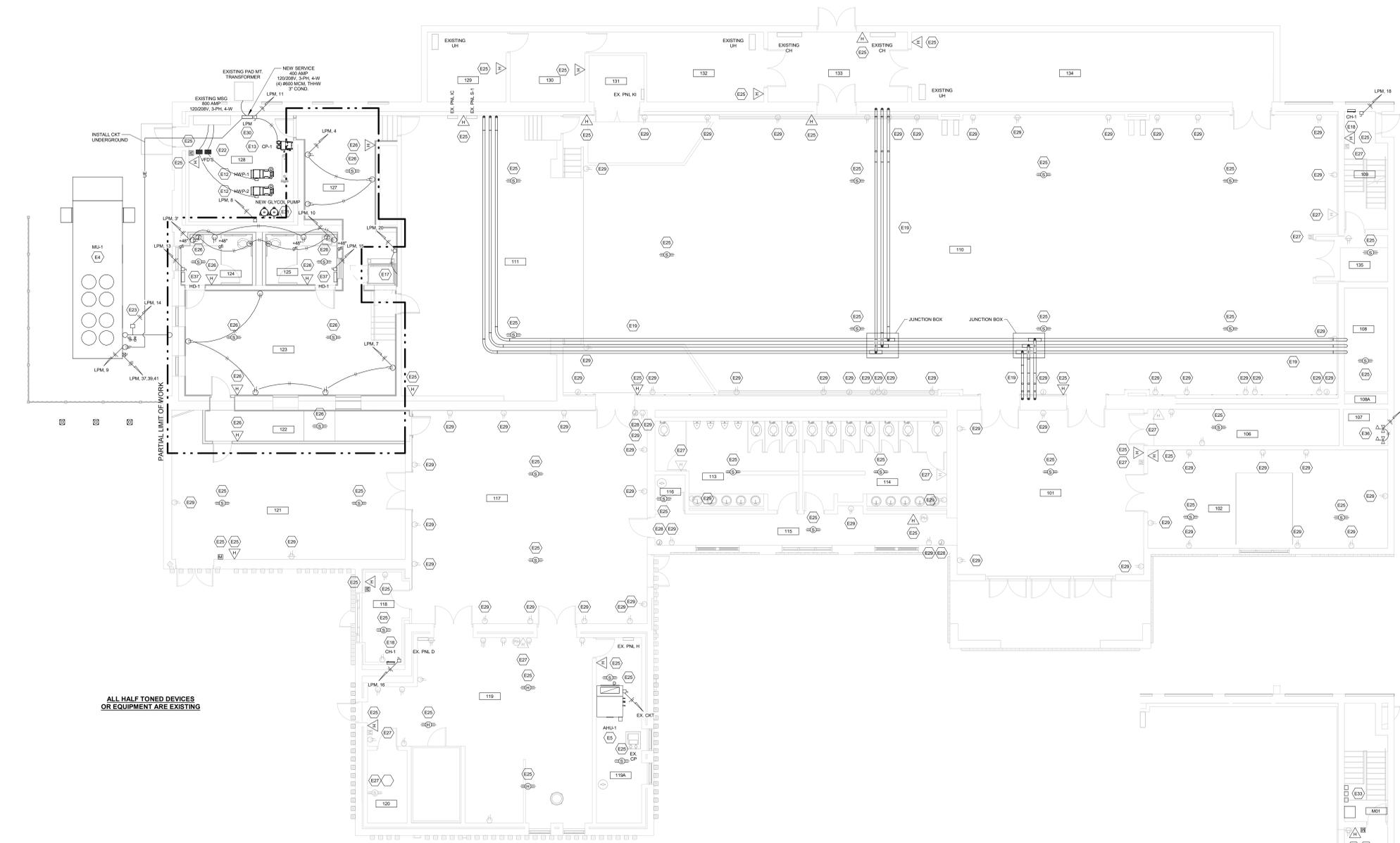


**GENERAL ELECTRICAL NOTES**

- 01 ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS & ELEVATIONS PRIOR TO CONSTRUCTION.
- 02 ELECTRICAL CONTRACTOR SHALL PROVIDE FOR TEMPORARY LIGHTING, AS NEEDED, FOR DURATION OF PROJECT.
- 03 ELECTRICAL CONTRACTOR SHALL CONFIRM ALL EQUIPMENT REQUIREMENTS, INCLUDING BREAKER/DISCONNECT CAPACITY, WITH OTHER TRADES PRIOR TO ORDERING.
- 04 ELECTRICAL CONTRACTOR SHALL PROVIDE FOR ALL FINAL TERMINATIONS & CONNECTIONS TO EQUIPMENT & POWER FEED COMPONENT.
- 05 ELECTRICAL CONTRACTOR SHALL VERIFY ALL CIRCUITS IN EXISTING PANELS AND PROVIDE FOR NEW TYPED PANEL LEADERS UPON COMPLETION OF WORK. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL ADDITIONAL PANEL CIRCUIT BREAKERS AS REQUIRED FOR INSTALLATION OF ALL CIRCUITS AS SHOWN.
- 06 ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONCRETE FLOOR CUTTING & REMOVAL, WHICH PERTAINS TO THESE RESPECTIVE WORKS. ALL REMOVED SPOL SHALL BE REMOVED & DISPOSED OFF-SITE. NO REUSE ALLOWED. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FLOOR REFINISHING WORK INCLUDING FINAL FINISH.
- 07 ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING ALL AFFECTED ROOF, CEILING, WALLS & SURFACE FINISH, I.E. PAINT, TILE, CARPET, ETC.
- 08 TWICHES AND MEMBRANE PARTS SHALL BE PREPARED IN ACCORDANCE WITH THE INDIANA BUILDING CODE REGULATIONS. IN COMBUSTIBLE CONSTRUCTION, FIREWORKS SHALL BE INSTALLED TO MEET ALL REQUIREMENTS. BOTH VERTICAL AND HORIZONTAL SHALL FORM AN EFFECTIVE BARRIER BETWEEN FLOORS. BETWEEN A TOP STORY AND A ROOF OR ATTIC SPACE, FIREWORKS SHALL BE INSTALLED IN LOCATIONS IN ACCORDANCE WITH THE INDIANA BUILDING CODE REGULATIONS.

**KEYED ELECTRICAL NOTES**

- E1 ELECTRICAL CONTRACTOR SHALL PROVIDE FOR A SECOND CIRCUIT ROUTED TO EACH EMERGENCY LIGHT FIXTURE, BYPASSING THE SWITCHES, IN DOWN OUTAGE. THIS SECOND CIRCUIT WILL BE NO POWER, WHICH WILL ENABLE FUTURE BATTERY BACKUP AND PROVIDE FOR EMERGENCY EGRESS LIGHTING. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E2 ELECTRICAL CONTRACTOR SHALL INSTALL NEW LIGHT FIXTURE AFTER MECHANICAL DUCTWORK & PIPING IS SUBSTANTIALLY COMPLETE. EXTENDING WIRING/CONDUIT TO NEW FIXTURE LOCATIONS, AS NECESSARY. EXACT FIXTURE LOCATION TO BE FIELD DETERMINED, TO PROVIDE OPTIMAL ILLUMINATION IN ROOM. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E3 NOT USED
- E4 MAKE-UP AIR UNIT, WITH CONCRETE FOUNDATION, BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE A LOW 3-PH CIRCUIT (3) 850 KVA 120V 3-Ø, COMPLETE NEMA 3R DISCONNECT, NEW BREAKER/USING AT FEEDER PANEL & FINAL TERMINATIONS. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR (2) DUCT SMOKE DETECTORS, LOCATED IN RETURN AIR DUCTWORK, RATED TO EXISTING FIRE ALARM CONTROL PANEL & PROGRAMMED TO AUTOMATICALLY SHUT DOWN FAN OPERATION UPON ACTIVATION. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E5 AIR HANDLING UNIT, WITH SPRING ISOLATORS & STRUCTURAL STEEL FRAMING, BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE A 200 3-Ø CIRCUIT (2) 100 THRU + ØND, COMPLETE NEMA 3R DISCONNECT, NEW BREAKER/USING AT FEEDER PANEL & FINAL TERMINATIONS. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR (2) DUCT SMOKE DETECTORS, LOCATED IN RETURN AIR DUCTWORK, RATED TO EXISTING FIRE ALARM CONTROL PANEL & PROGRAMMED TO AUTOMATICALLY SHUT DOWN FAN OPERATION UPON ACTIVATION. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E6 ROOFTOP AIR HANDLING UNIT, WITH SEISMIC INSULATED ROOF CURB & STRUCTURAL STEEL REINFORCING, BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE A 200 3-Ø CIRCUIT (2) 100 THRU + ØND, COMPLETE NEMA 3R DISCONNECT, NEW BREAKER/USING AT FEEDER PANEL & FINAL TERMINATIONS. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR (2) DUCT SMOKE DETECTORS, LOCATED IN RETURN AIR DUCTWORK, RATED TO EXISTING FIRE ALARM CONTROL PANEL & PROGRAMMED TO AUTOMATICALLY SHUT DOWN FAN OPERATION UPON ACTIVATION. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E7 ROOFTOP AIR HANDLING UNIT, WITH SEISMIC INSULATED ROOF CURB & STRUCTURAL STEEL REINFORCING, BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE A 200 3-Ø CIRCUIT (2) 100 THRU + ØND, COMPLETE NEMA 3R DISCONNECT, NEW BREAKER/USING AT FEEDER PANEL & FINAL TERMINATIONS. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR (2) DUCT SMOKE DETECTORS, LOCATED IN RETURN AIR DUCTWORK, RATED TO EXISTING FIRE ALARM CONTROL PANEL & PROGRAMMED TO AUTOMATICALLY SHUT DOWN FAN OPERATION UPON ACTIVATION. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E8 CONDENSING UNIT, WITH SEISMICALLY DESIGNED RAILS & STRUCTURAL STEEL REINFORCING, BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE A 200 3-Ø CIRCUIT (2) 100 THRU + ØND, COMPLETE NEMA 3R DISCONNECT, NEW BREAKER/USING AT FEEDER PANEL & FINAL TERMINATIONS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E9 EXHAUST FAN, WITH INSULATED ROOF CURB, M.O. DAMPER & BIRDSCREEN, BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE A 200 3-Ø CIRCUIT (2) 100 THRU + ØND, COMPLETE NEMA 3R DISCONNECT, NEW BREAKER/USING AT FEEDER PANEL & FINAL TERMINATIONS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E10 HEAT REPAIR UNIT, WITH SEISMICALLY DESIGNED RAILS & STRUCTURAL STEEL REINFORCING, BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE A 200 3-Ø CIRCUIT (2) 100 THRU + ØND, COMPLETE NEMA 3R DISCONNECT, NEW BREAKER/USING AT FEEDER PANEL & FINAL TERMINATIONS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E11 FAN COIL UNIT, WITH SEISMICALLY DESIGNED HANGERS, SPRING ISOLATORS & INTEGRAL CONDENSATE PUMP, BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE A 200 3-Ø CIRCUIT (2) 100 THRU + ØND, COMPLETE NEMA 3R DISCONNECT, NEW BREAKER/USING AT FEEDER PANEL & FINAL TERMINATIONS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E12 HYDROIC PUMP, WITH CONCRETE HOUSEKEEPING PAD, GROUTING, & SEISMIC INERTIA RESTRAINT BASE, BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE A 200 3-Ø CIRCUIT (2) 100 THRU + ØND, COMPLETE NEMA 3R DISCONNECT, NEW BREAKER/USING AT FEEDER PANEL & FINAL TERMINATIONS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E13 STEAM CONDENSATE PUMP, WITH CONCRETE HOUSEKEEPING PAD, BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE A 200 3-Ø CIRCUIT (2) 100 THRU + ØND, COMPLETE NEMA 3R DISCONNECT, NEW BREAKER/USING AT FEEDER PANEL & FINAL TERMINATIONS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E14 NEW EXIT DOOR BY GENERAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR ANY CONDUIT/CONTRACTOR RELATIONS, AS NECESSARY. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E15 MECHANICAL CONTRACTOR SHALL PROVIDE FOR RELOCATION OF EXISTING WATER HEATER & PUMP, AS SHOWN, COMPLETE WITH ANY NECESSARY SPRING EXTENSIONS. FOR WATER HEATER, ELECTRICAL CONTRACTOR SHALL PROVIDE A 120V 1-Ø CIRCUIT (2) 15A 1-ØND, COMPLETE NEMA 1 DISCONNECT, NEW BREAKER/USING AT FEEDER PANEL & FINAL TERMINATIONS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E16 CONDENSING UNIT, WITH SEISMICALLY DESIGNED RAILS & STRUCTURAL STEEL REINFORCING, BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE A 200 3-Ø CIRCUIT (2) 100 THRU + ØND, COMPLETE NEMA 3R DISCONNECT, NEW BREAKER/USING AT FEEDER PANEL & FINAL TERMINATIONS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E17 LIFT PROVIDED & INSTALLED BY GENERAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE A 120V 1-Ø CIRCUIT (2) 15A 1-ØND, COMPLETE NEMA 1 DISCONNECT, NEW BREAKER/USING AT FEEDER PANEL & FINAL TERMINATIONS. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL POWER & CONTROL WIRING FROM CONTROLLER TO LIFT. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E18 ELECTRIC CABINET HEATER BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR A 120V 1-Ø CIRCUIT (2) 15A 1-ØND, WITH A NEMA 1 DISCONNECT, COMPLETE WITH FINAL TERMINATIONS. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ALL TRADES & OWNER.
- E19 CONDENS BY ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR (2) CONDUITS, ROUTE FROM BEHIND BOOTH TO SERVICE. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR (2) CONDUITS, ROUTE FROM BEHIND BOOTH TO SERVICE. ELECTRICAL CONTRACTOR SHALL INCLUDE A PULL THROUGH WIRE IN EACH CONDUIT FOR FUTURE. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ALL TRADES & OWNER.
- E20 TELEVISION PROVIDED BY OWNER, WITH MOUNTING & INSTALLATION BY ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR (2) CONDUITS, ROUTE FROM BEHIND BOOTH TO SERVICE. ELECTRICAL CONTRACTOR SHALL INCLUDE A PULL THROUGH WIRE IN EACH CONDUIT FOR FUTURE. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ALL TRADES & OWNER.
- E21 VAV BOX UNIT, WITH SPRING ISOLATORS, BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE A 120V 1-Ø CIRCUIT (2) 15A 1-ØND, WITH A NEMA 1 DISCONNECT, COMPLETE WITH FINAL TERMINATIONS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E22 ELECTRICAL CONTRACTOR SHALL INVESTIGATE & REPAIR WIRING ON 100A BREAKER LISTED AS "ICE MACHINE". COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E23 HEATING HOT WATER PIPING BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE HEAT TRAC FOR FULL LENGTH WATER/STEAM, WITH A 120V 1-Ø CIRCUIT (2) 15A 1-ØND, COMPLETE WITH A NEMA 3R DISCONNECT, THERMOSTAT FOR AUTOMATIC OPERATION, & FINAL TERMINATIONS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E24 ELECTRICAL CONTRACTOR SHALL REPLACE EXISTING STAGE HOUSE LIGHTING AS SHOWN. COORDINATE NEW LOCATIONS WITH OWNER. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E25 NEW FIRE ALARM DEVICE (SMOKE/HEAT DETECTOR, HORN/SIREN ALARM, MANUAL PULL STATION, ETC.) BY ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. COMPLETE WITH FINAL TERMINATIONS. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR TESTING OF ENTIRE SYSTEM, PRIOR TO SUBSTANTIAL COMPLETION. NOT ALL DEVICES ARE INDICATED WITH A KEYED NOTE, FOR CLARITY. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E26 NEW FIRE ALARM DEVICE (SMOKE/HEAT DETECTOR, HORN/SIREN ALARM, MANUAL PULL STATION, ETC.) BY ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. COMPLETE WITH FINAL TERMINATIONS. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR TESTING OF ENTIRE SYSTEM, PRIOR TO SUBSTANTIAL COMPLETION. NOT ALL DEVICES ARE INDICATED WITH A KEYED NOTE, FOR CLARITY. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E27 ELECTRICAL CONTRACTOR SHALL DISCONNECT EXISTING FIRE ALARM DEVICE (SMOKE/HEAT DETECTOR, HORN/SIREN ALARM, MANUAL PULL STATION, ETC.) THEN PROVIDE FOR NEW DEVICE & WIRING TO NEW FIRE ALARM PANEL. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR TESTING & REPAIR OF ENTIRE SYSTEM, PRIOR TO SUBSTANTIAL COMPLETION. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E28 GENERAL CONTRACTOR SHALL PAINT EXISTING JUNCTION BOX FACEPLATE TO MATCH EXISTING WALL COLOR. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E29 ELECTRICAL CONTRACTOR SHALL REPLACE EXISTING RECEPTACLE (2) 15A 1-ØND, QUADRA-BLOCK WITH NEW RECEPTACLE (2) 15A 1-ØND, GREY IN COLOR, AS SHOWN. ELECTRICAL CONTRACTOR SHALL REPLACE EXISTING FACEPLATE, INCLUDE JUNCTION BOXES, WITH NEW FACEPLATE, STAINLESS STEEL FINISH, AS SHOWN. COORDINATE INSTALLATION WITH ALL TRADES AND OWNER.
- E30 PANELBOARD BY ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. COMPLETE WITH FINAL TERMINATIONS. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR NEW FEEDER WITH CIRCUIT BREAKER FROM EXISTING MISC. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR FLOOR MOUNT & FRAME FOR PANEL SUPPORT. DO NOT MOUNT PANEL UNDER DUCTWORK. COORDINATE INSTALLATION WITH ALL TRADES AND OWNER.
- E31 GLYCOL PUMP BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR A 120V 1-Ø CIRCUIT (2) 15A 1-ØND, WITH A NEMA 1 DISCONNECT, COMPLETE WITH FINAL TERMINATIONS. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ALL TRADES & OWNER.
- E32 ELECTRICAL CONTRACTOR SHALL CONFIRM CIRCUIT, THEN DISCONNECT/TREND AND CLEAN EXISTING LIGHT FIXTURES, LEAVING ALL WIRING/CONDUIT FOR RECONNECT/EXTENSIONS, AS NECESSARY. ELECTRICAL CONTRACTOR SHALL RETROFIT LIGHT FIXTURES FOR LED CAPABILITY. EQUIP WITH BATTERY-POWERED LIGHT USE AS AN EMERGENCY/NIGHT LIGHT WITH PHOTOCELL. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. COMPLETE WITH FINAL TERMINATIONS. CUSTOM COLOR SELECTION BY ARCHITECT. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E33 ELECTRICAL CONTRACTOR SHALL PROVIDE FOR GROUNDING OF SURGE SUPPRESSION DEVICES. ELECTRICAL CONTRACTOR SHALL GROUND DEVICES TO BUILDING GROUND. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E34 ELECTRICAL CONTRACTOR SHALL PROVIDE FOR CLEANING OF EXISTING CHANDELIERS BY PROFESSIONAL CLEANING COMPANY AT END OF PROJECT.
- E35 FIRE ALARM PANEL BY ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. COMPLETE WITH FINAL TERMINATIONS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E36 FIRE SUPPRESSION FLOW & VALVE SWITCHES BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR FIRE ALARM PANEL, FLOW & DAMPER SWITCHES, AT INTERIOR FIRE EXTINGUISHER LOCATION. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAW-CUTTING, EDUCATION, INSTALLATION, BACKSPLASH/COMPACTOR, AND COMPLETE SURFACE RESTORATION. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- E37 ELECTRIC HAND DRYER BY GENERAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE A 120V 1-Ø CIRCUIT (2) 15A 1-ØND, WITH A NEMA 1 DISCONNECT, WITH FINAL TERMINATIONS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.



**FIRST FLOOR ELECTRICAL POWER/SYSTEMS PLAN**  
 1/8" = 1'-0"

**ELECTRICAL POWER LEGEND**

- 120V DUPLEX RECEPTACLE
- 120V DUPLEX RECEPTACLE (GFI)
- 120V DUPLEX RECEPTACLE (WEATHER PROOF, GFI)
- FLOOR BOX WITH (1) 120V CIRCUIT & (2) DATA DROPS (CONTRACTOR TO CONFIRM EXACT LOCATION WITH OWNER)\*\*
- 120V FOUR-POLE RECEPTACLE
- 208/240V DUPLEX RECEPTACLE
- DISCONNECT
- DISCONNECT (WEATHER PROOF)
- MOTOR STARTER/DISCONNECT
- CIRCUIT W/ WIRE CLOUT
- CIRCUIT TO PANEL
- PANEL/SWITCHGEAR
- MOTOR

**SAFETY / SECURITY LEGEND**

- MANUAL PULL STATION
- SMOKE DETECTOR
- DUCT SMOKE DETECTOR
- AUDIBLE ALARM
- AUDIBLE/VISUAL ALARM
- KEYPAD (DOOR ACCESS)
- CLOSED CIRCUIT CAMERA
- DOOR HOLD OPEN

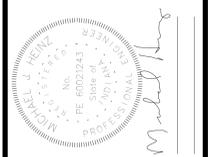
**SOUTH MEZZANINE ELECTRICAL POWER/SYSTEMS PLAN**  
 1/8" = 1'-0"

**NORTH MEZZANINE ELECTRICAL POWER/SYSTEMS PLAN**  
 1/8" = 1'-0"

#	Revision	Date

Date: 02-02-2023  
 Drawn By: NAB  
 Checked By: MJH

**E4**  
 ELECTRICAL POWER/SYSTEMS PLAN



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**GREEN ACTIVITIES CENTER  
PARTIAL RENOVATIONS**

Project #: 71GA-22-01  
VINCENNES CAMPUS

#	Revision	Date

Date: 02-02-2023  
Drawn By: NAB  
Checked By: MJH

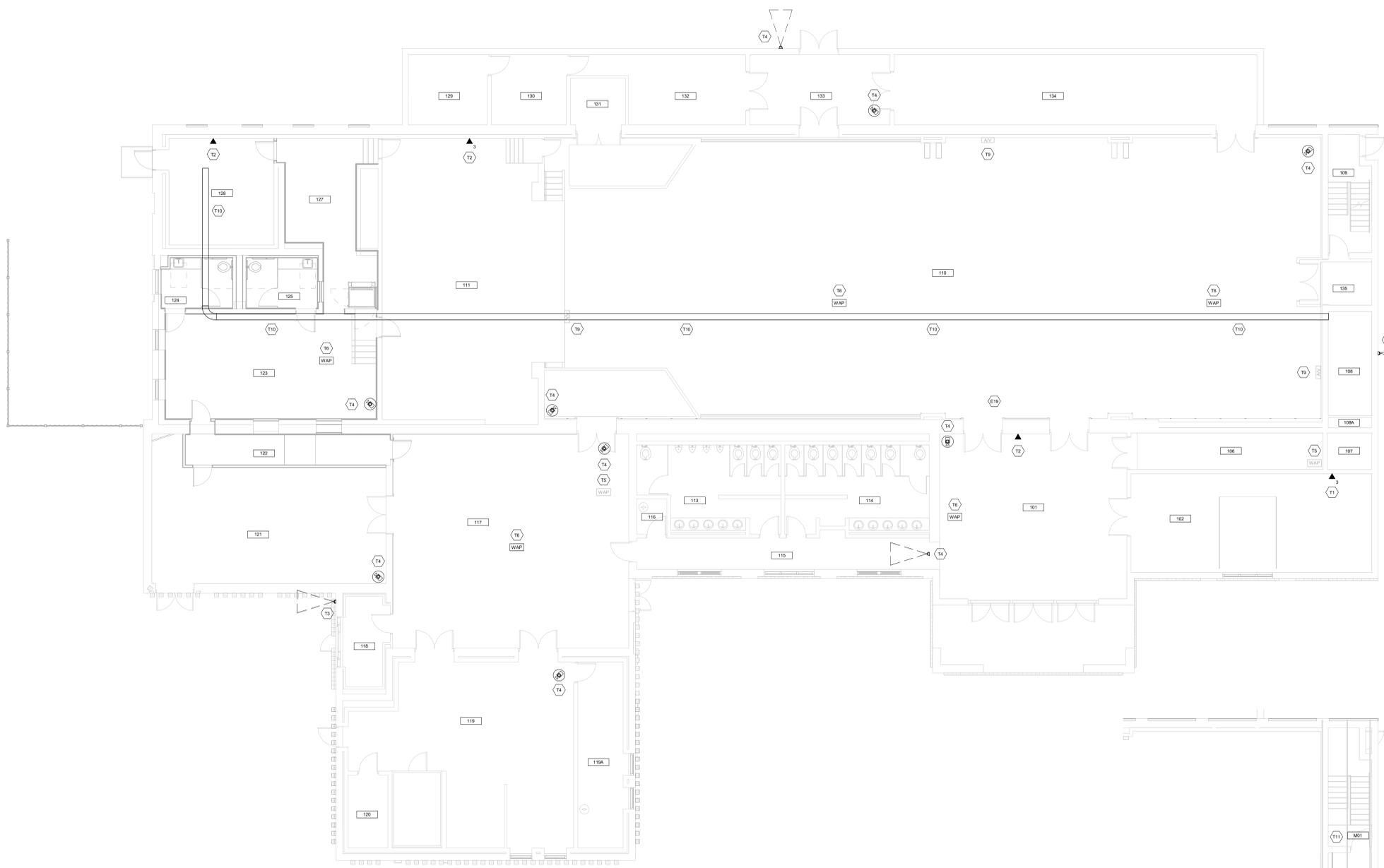
**E5**  
ELECTRICAL I.T.  
PLAN

**GENERAL ELECT'L NOTES**

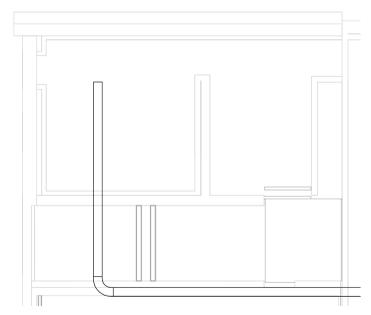
- 01 ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS & ELEVATIONS PRIOR TO CONSTRUCTION.
- 02 ELECTRICAL CONTRACTOR SHALL PROVIDE FOR TEMPORARY LIGHTING, AS NEEDED, FOR DURATION OF PROJECT.
- 03 ELECTRICAL CONTRACTOR SHALL CONFIRM ALL EQUIPMENT ELECTRICAL REQUIREMENTS, INCLUDING BREAKER/DISCONNECT CAPACITY, WITH OTHER TRADES PRIOR TO ORDERING.
- 04 ELECTRICAL CONTRACTOR SHALL PROVIDE FOR ALL FINAL TERMINATIONS & CONNECTIONS TO EQUIPMENT & POWER FEED COMPONENT.
- 05 ELECTRICAL CONTRACTOR SHALL VERIFY ALL CIRCUITS IN EXISTING PANELS AND PROVIDE FOR NEW TYPED PANEL LEADERS UPON COMPLETION OF PROJECT. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR ALL ADDITIONAL PANEL CIRCUIT BREAKERS AS REQUIRED FOR INSTALLATION OF ALL CIRCUITS AS SHOWN.
- 06 ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONCRETE FLOOR CUTTING & REMOVAL, WHICH PERTAINS TO THEIR RESPECTIVE WORK, AND ALSO RESPONSIBLE FOR NEW COMPACTED GRANULAR BACKFILL TO UNDERSIDE OF SLAB. ALL REMOVED SPILL SHALL BE REMOVED & DEPOSED OFF-SITE - NO RE-USE ALLOWED. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR ALL FLOOR REFINISHING, INCLUDING FINAL FINISH.
- 07 ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING ALL AFFECTED ROOF, CEILING, WALLS & FLOORS AND FINISHING FLUSH TO SURFACE. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL SURFACE FINISH, I.E. PAINT, TILE, CARPET, ETC.
- 08 THROUGH AND MEMBRANE PENETRATIONS IN FIRE RESISTIVE WALLS SHALL BE PREPARED IN ACCORDANCE WITH THE INDIANA BUILDING CODE REGULATIONS. IN COMBUSTIBLE CONSTRUCTION, FIRE STOPPING SHALL BE INSTALLED FIRST TO PREVENT BOTH VERTICAL & HORIZONTAL AND SHALL FORM AN EFFECTIVE BARRIER BETWEEN FLOORS, BETWEEN A TOP STORY AND A ROOF OR ATTIC SPACE. FIRE STOPPING SHALL BE INSTALLED IN LOCATIONS IN ACCORDANCE WITH THE INDIANA BUILDING CODE REGULATIONS.

**KEYED ELECT'L TECHNOLOGY NOTES**

- T1 ELECTRICAL CONTRACTOR SHALL CONFIRM CIRCUIT, THEN DEMOLISH/REMOVE EXISTING DATA DROP DEVICES & ALL ASSOCIATED CABLING/CONDUIT BACK TO FEEDER RACK. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR NEW CAT6 CABLE DROPS, AS SHOWN, COMPLETE WITH NEW BOX, MODULES & FACEPLATE AND TESTING, TERMINATIONS, & LABELING. ELECTRICAL CONTRACTOR SHALL ROUTE CAT6 CABLING FROM NORTH MEZZANINE IT HUB ROOM. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- T2 ELECTRICAL CONTRACTOR SHALL PROVIDE FOR NEW CAT6 CABLE DROPS, AS SHOWN, COMPLETE WITH NEW BOX, MODULES & FACEPLATE AND TESTING, TERMINATIONS, & LABELING. ELECTRICAL CONTRACTOR SHALL ROUTE CAT6 CABLING FROM NORTH MEZZANINE IT HUB ROOM. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- T3 ELECTRICAL CONTRACTOR SHALL CONFIRM CIRCUIT, THEN DISCONNECT/REMOVE EXISTING SECURITY CAMERA & DEMOLISH/REMOVE ALL ASSOCIATED CABLING/CONDUIT BACK TO FEEDER RACK. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR (1) NEW CAT6 CABLE DROP, AS SHOWN, COMPLETE WITH NEW BOX & MODULE, AND TESTING, TERMINATIONS, & LABELING. ELECTRICAL CONTRACTOR SHALL ROUTE CAT6 CABLING FROM NORTH MEZZANINE IT HUB ROOM. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- T4 SECURITY CAMERA PROVIDED & INSTALLED BY OWNER. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR (1) NEW CAT6 CABLE DROP, AS SHOWN, COMPLETE WITH NEW BOX & MODULE, AND TESTING, TERMINATIONS, & LABELING. ELECTRICAL CONTRACTOR SHALL ROUTE CAT6 CABLING FROM NORTH MEZZANINE IT HUB ROOM. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- T5 ELECTRICAL CONTRACTOR SHALL CONFIRM CIRCUIT, THEN DISCONNECT/REMOVE EXISTING WIRELESS ACCESS POINT (WAP) & DEMOLISH/REMOVE ALL ASSOCIATED CABLING/CONDUIT BACK TO FEEDER RACK. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR (2) NEW CAT6 CABLE DROPS, AS SHOWN, COMPLETE WITH NEW BOX & MODULE, AND TESTING, TERMINATIONS, & LABELING. ELECTRICAL CONTRACTOR SHALL ROUTE CAT6 CABLING FROM NORTH MEZZANINE IT HUB ROOM. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- T6 WIRELESS ACCESS POINT (WAP) PROVIDED & PROGRAMMED BY OWNER, AND INSTALLED BY CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR (2) NEW CAT6 CABLE DROPS, AS SHOWN, COMPLETE WITH NEW BOX & MODULE, AND TESTING, TERMINATIONS, & LABELING. ELECTRICAL CONTRACTOR SHALL ROUTE CAT6 CABLING FROM NORTH MEZZANINE IT HUB ROOM. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- T7 ELECTRICAL CONTRACTOR SHALL DEMOLISH/REMOVE EXISTING PATCH PANELS, RACK, AND REFACE WITH NEW CAT6-COMPATIBLE PATCH PANELS. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NEW RERACKMENT PATCH CORDS TO OWNERS FOR OWNERS INSTALLATION. PATCH CORDS TO BE SIZED TO MINIMIZE BACKLASH. ELECTRICAL CONTRACTOR SHALL ENSURE EXISTING RACK IS GROUNDED TO MON. EXTENDING ANY WIRING AS NECESSARY. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR NEW FLOOR ANCHORS. ELECTRICAL CONTRACTOR SHALL ADD (1) 1/4" VERTICAL WIRE MANAGER FOR NEW DROPS ON LEFT SIDE OF RACK. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- T8 SECURITY CAMERA PROVIDED & INSTALLED BY OWNER. ELECTRICAL CONTRACTOR SHALL PROVIDE (1) CAT6 DATA DROP TO EACH SECURITY CAMERA LOCATION. ELECTRICAL CONTRACTOR SHALL ROUTE CAT6 CABLING FROM NORTH MEZZANINE IT HUB ROOM. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- T9 ELECTRICAL CONTRACTOR SHALL MAINTAIN EXISTING AV JACKS AND ASSOCIATED WIRING IN PLACE, AND PROTECT FOR DURATION OF PROJECT. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- T10 OVERHEAD CABLE TRAY, WITH WIRE MANAGEMENT DIVIDERS BY ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- T11 ELECTRICAL CONTRACTOR TO REPLACE EXISTING CAT-RATED CABLE FROM CABINET TO IT RACK. ELECTRICAL CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION, AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.



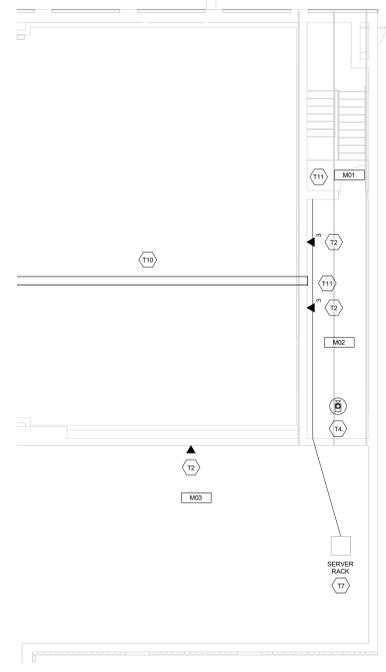
**FIRST FLOOR ELECTRICAL I.T. PLAN**  
1/8" = 1'-0"



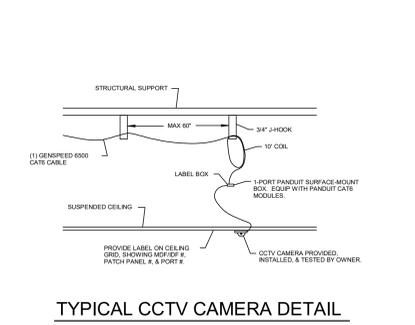
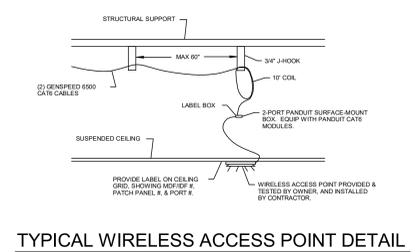
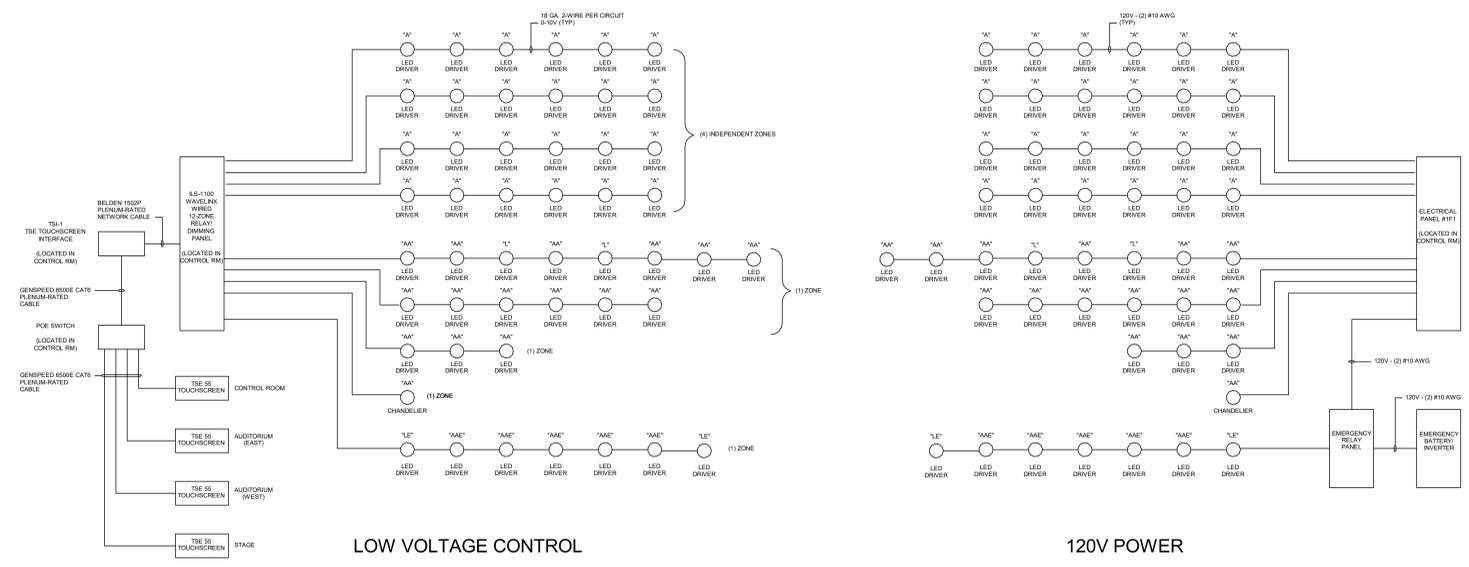
**SOUTH MEZZANINE I.T. PLAN**  
1/8" = 1'-0"

**COMMUNICATIONS LEGEND**

- ▼ DATA OUTLET - WALL MOUNT W/ CIRCUIT COUNT
- DATA OUTLET - FLOOR MOUNT
- Ⓜ WIRELESS ACCESS POINT
- ⊙ SPEAKER - CEILING MOUNT
- ⊙ SPEAKER - WALL MOUNT
- ⚡ VOLUME CONTROL



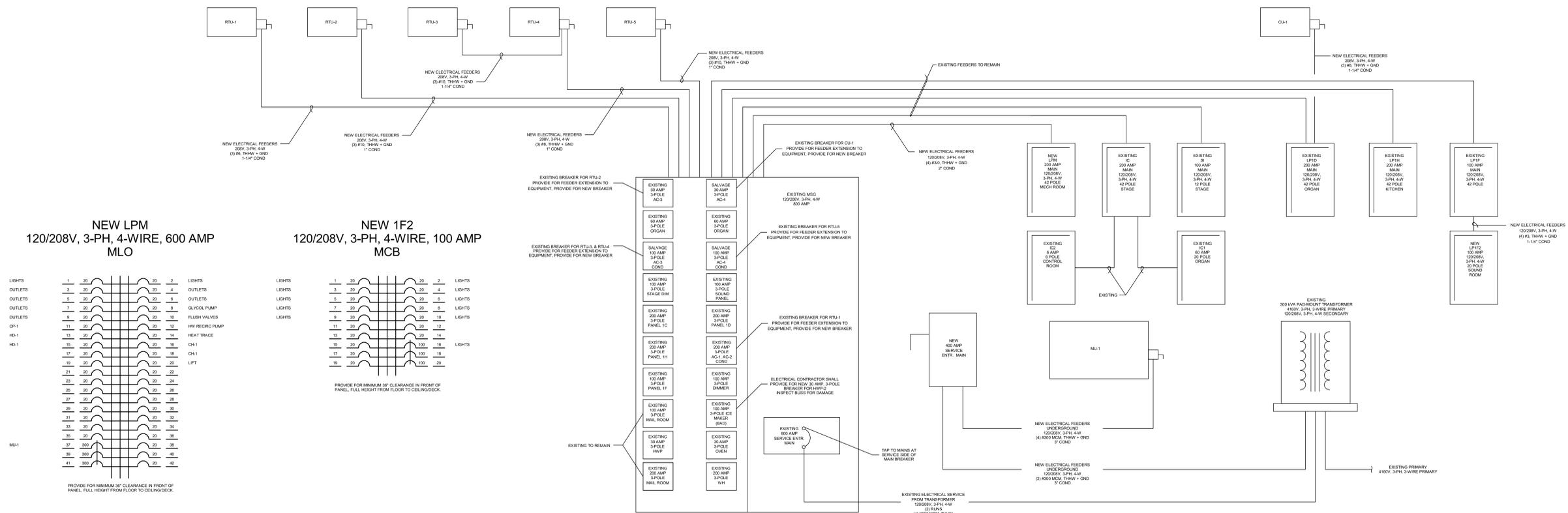
**NORTH MEZZANINE ELECTRICAL I.T. PLAN**  
1/8" = 1'-0"



**AUDITORIUM ELECTRICAL LIGHTING CONTROLS RISER DIAGRAM**

NOTES: TOTAL (8) CIRCUITS, (4) DRIVERS, (8) CONTROL ZONES. PROVIDE FOR RELAY WITH EMERGENCY INVERTER/BATTERY FOR AUTO SWITCHING OF "A" FIXTURES TO EMERGENCY OPERATOR WITH LOSS OF UTILITY POWER. PROVIDE FOR REMOVAL OF EXISTING AUDITORIUM EMERGENCY FIXTURES AS WELL AS WIRING, CONDUIT, ETC. PROVIDE FOR REPLACEMENT OF CEILING TILE AT ALL FIXTURE REMOVAL LOCATIONS.

WHERE EXISTING OR PROPOSED CABLE TRAYS ARE NOT PRESENT, PROVIDE FOR J-HOOKS THROUGHOUT PROJECT FOR LIGHTING CONTROL WIRING.



**ELECTRICAL RISER DIAGRAM**

SCALE: NTS  
PROVIDE FOR CIRCUIT VERIFICATION FOR ALL EXISTING MISC. AND PANEL INSTALLATIONS. PROVIDE FOR NEW ELECTRICAL ID AND LEGENDS WITH REMOVAL OFF ALL EXISTING INCLUDING EXISTING MARKINGS.

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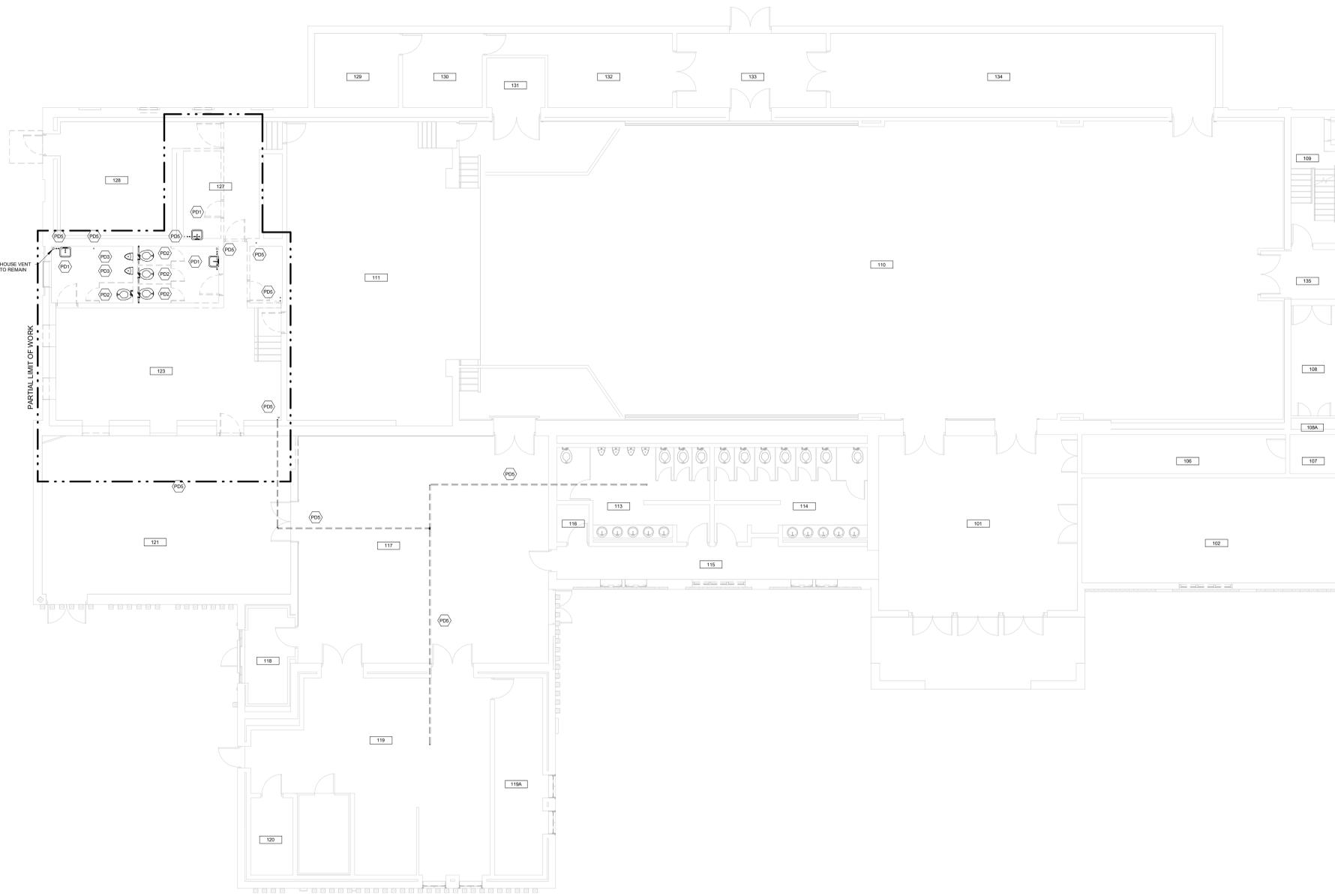
CONSULTANT:

**GREEN ACTIVITIES CENTER**  
**PARTIAL RENOVATIONS**  
 Project #: 71GA-22-01  
 VINCENNES CAMPUS

#	Revision	Date

Date: 02-02-2023  
 Drawn By: NAB  
 Checked By: MJH

**E6**  
 ELECTRICAL  
 DETAILS



FIRST FLOOR PLUMBING DEMOLITION PLAN  
1/8" = 1'-0"

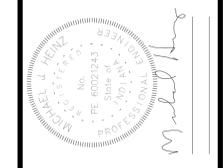


**GENERAL PLUMBING NOTES**

- 01 PLUMBING CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS & ELEVATIONS PRIOR TO CONSTRUCTION.
- 02 PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONCRETE FLOOR CUTTING & REMOVAL WHICH PERTAINS TO THEIR RESPECTIVE WORK AND ALSO RESPONSIBLE FOR NEW COMPACTED GRANULAR BACKFILL TO UNDERSIDE OF SLAB. ALL REMOVED SPOL SHALL BE REMOVED & DISPOSED OFF-SITE - NO RE-USE ALLOWED. PLUMBING CONTRACTOR RESPONSIBLE FOR CONCRETE FLOOR REPLACEMENT, INCLUDING FINAL FINISH U.N.O.
- 03 PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING ALL AFFECTED ROOF, CEILING, WALLS & FLOORS, AND FINISHING FLOOR TO SURFACE U.N.O. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL SURFACE FINISH, I.E. PAINT, TILE, CARPET, ETC., U.N.O.
- 04 THROUGH AND THROUGH PENETRATIONS IN FIRE RESISTIVE WALLS SHALL BE FIRESTOPPED IN ACCORDANCE WITH THE INDIANA BUILDING CODE REGULATIONS. IN COMBUSTIBLE CONSTRUCTION, FIRESTOPPING SHALL BE INSTALLED TO CUT OFF CONCEALED SHAFT OPENINGS BOTH VERTICAL & HORIZONTAL AND SHALL FORM AN EFFECTIVE BARRIER BETWEEN FLOORS, BETWEEN A TOP STORY AND A ROOF OR ATTIC SPACE. FIRESTOPPING SHALL BE INSTALLED IN LOCATIONS IN ACCORDANCE WITH THE INDIANA BUILDING CODE REGULATIONS.
- 05 PLUMBING CONTRACTOR SHALL PROVIDE FOR PAINTING OF ALL EXPOSED WATERSANITARY VENT PIPING WITH 1/2" PRIMER COAT & 2/3" FINISH COATS TO MATCH EXISTING SPACE PAINT COLOR.

**KEYED PLUMBING DEMOLITION NOTES**

- PD1 PLUMBING CONTRACTOR SHALL DEMOLISH/REMOVE EXISTING LAVATORY, CARRIER, SENSORS, AND OVERSANTARY VENT PIPING BACK TO MAN. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE TO PATCH ANY REMAINING PIPE OR ANCHOR HOLES IN WALLS, CEILING, & FLOORS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- PD2 PLUMBING CONTRACTOR SHALL DEMOLISH/REMOVE EXISTING WATER CLOSET, CARRIER, SENSORS, AND OVERSANTARY VENT PIPING BACK TO MAN. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE TO PATCH ANY REMAINING PIPE OR ANCHOR HOLES IN WALLS, CEILING, & FLOORS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- PD3 PLUMBING CONTRACTOR SHALL DEMOLISH/REMOVE EXISTING URINAL, CARRIER, SENSORS, AND OVERSANTARY VENT PIPING BACK TO MAN. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE TO PATCH ANY REMAINING PIPE OR ANCHOR HOLES IN WALLS, CEILING, & FLOORS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- PD4 PLUMBING CONTRACTOR SHALL DEMOLISH/REMOVE & REPLACE EXISTING FLOOR DRAIN AND SANITARY PIPING BACK TO MAN. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE TO PATCH ANY REMAINING PIPE OR ANCHOR HOLES IN WALLS, CEILING, & FLOORS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- PD5 PLUMBING CONTRACTOR SHALL DEMOLISH/REMOVE & REPLACE EXISTING DOMESTIC PIPING BACK TO MAN. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE TO PATCH ANY REMAINING PIPE OR ANCHOR HOLES IN WALLS, CEILING, & FLOORS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.



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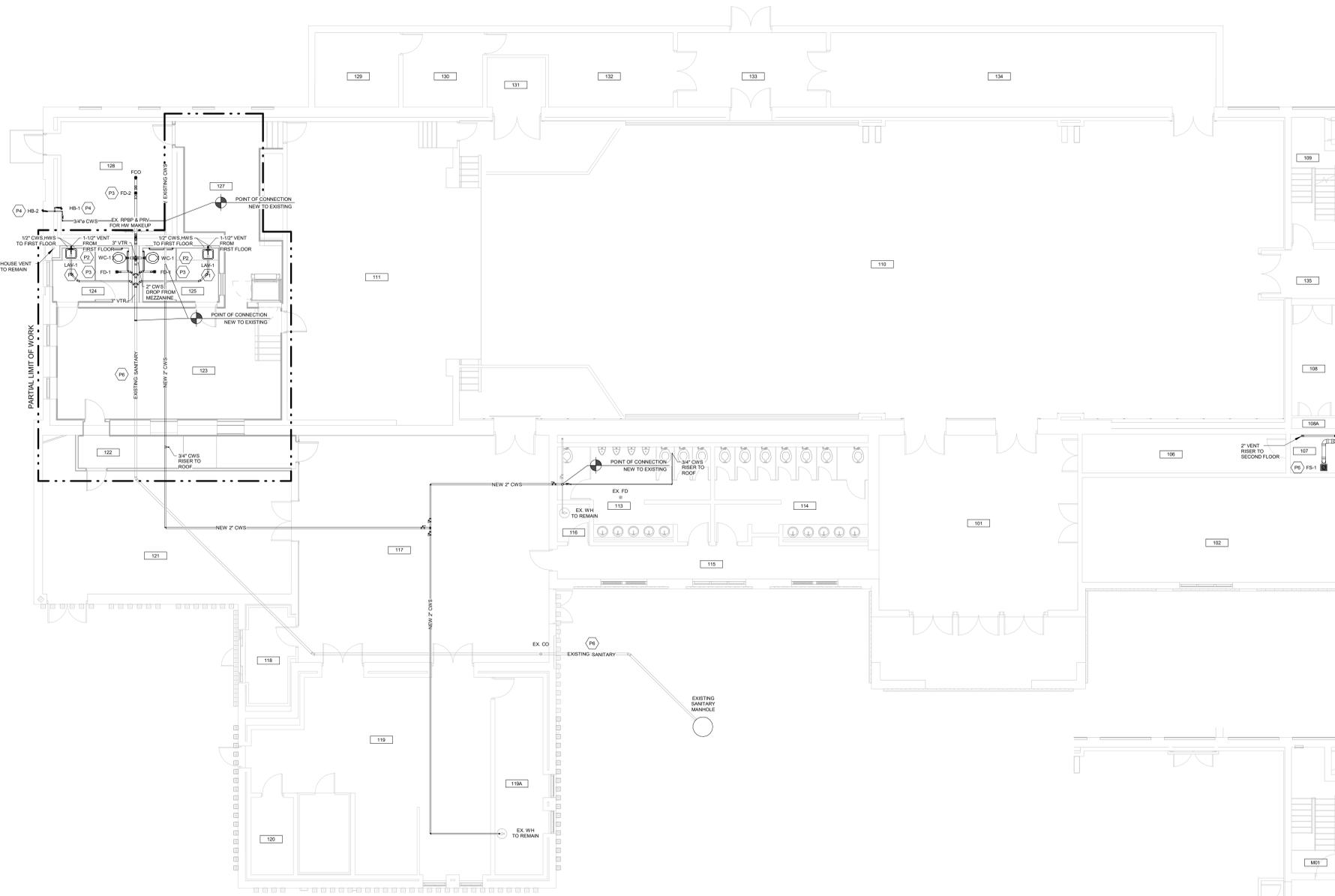
**GREEN ACTIVITIES CENTER  
PARTIAL RENOVATIONS**

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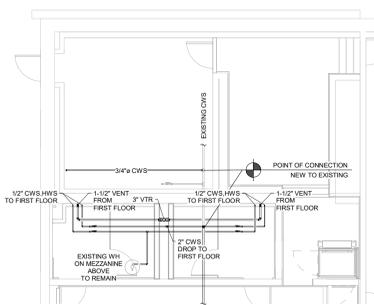
Date: 02-02-2023  
Drawn By: NAB  
Checked By: MJH

**P1**  
PLUMBING  
DEMOLITION PLAN



FIRST FLOOR PLUMBING PLAN

1/8" = 1'-0"



SOUTH MEZZANINE PLUMBING PLAN

1/8" = 1'-0"

PLUMBING LEGEND

- SANITARY WASTE PIPING
- - - SANITARY VENT PIPING
- COLD WATER PIPING
- - - HOT WATER PIPING
- - - HOT WATER RECIRCULATING PIPING
- P/E ELBOW UP
- ⊥ PIPE TEE UP
- ⊥ PIPE TEE UP W/ TAP
- ⊥ PIPE ELBOW DOWN
- ⊥ PIPE TEE DOWN
- ⊥ PIPE TEE DOWN W/ TAP
- ⊥ BALL VALVE OR BUTTERFLY VALVE
- ⊥ GAP END FOR FUTURE EXTENSION
- DIRECTION OF FLOW
- ⊥ CHECK VALVE
- ⊥ GATE VALVE
- ⊥ FLOW CONTROL VALVE
- ⊥ UNION
- ⊥ ASME APPROVED PRV RELIEF VALVE
- ⊥ PRESSURE GAUGE
- ⊥ FLOW CONTROL VALVE

NORTH MEZZANINE PLUMBING PLAN

1/8" = 1'-0"

GENERAL PLUMBING NOTES

- (01) PLUMBING CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS & ELEVATIONS PRIOR TO CONSTRUCTION.
- (02) PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONCRETE FLOOR CUTTING & REMOVAL, WHICH PERTAINS TO THEIR RESPECTIVE WORK AND ALSO RESPONSIBLE FOR NEW CONTRACTED GRANULAR BACKFILL TO UNDERSIDE OF SLAB. ALL REMOVED SPOTS SHALL BE REMOVED & DISPOSED OFF-SITE - NO RE-USE ALLOWED. PLUMBING CONTRACTOR RESPONSIBLE FOR CONCRETE FLOOR REPLACEMENT, INCLUDING FINAL FINISH, U.N.O.
- (03) PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING ALL AFFECTED ROOF, CEILING, WALLS & FLOORS AND FINISHING FLUSH TO SURFACE, U.N.O. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL SURFACE FINISH, I.E. PAINT, TILE, CARPET, ETC., U.N.O.
- (04) THROUGH AND THROUGH PENETRATIONS THROUGH FIRE RESISTIVE WALLS SHALL BE PREFORMED IN ACCORDANCE WITH THE INDIANA BUILDING CODE REGULATIONS. IN COMBUSTIBLE CONSTRUCTION, FIRESTOPPING SHALL BE INSTALLED TO CUT OFF OR RESTRICT FIRE PROPAGATION. VERTICAL & HORIZONTAL PENETRATIONS SHALL FORM AN EFFECTIVE BARRIER BETWEEN FLOORS, BETWEEN A TOP STORY AND A ROOF OR ATTIC SPACE. FIRESTOPPING SHALL BE INSTALLED IN LOCATIONS IN ACCORDANCE WITH THE INDIANA BUILDING CODE REGULATIONS.
- (05) PLUMBING CONTRACTOR SHALL PROVIDE FOR PAINTING OF ALL EXPOSED WATER/SANITARY VENT PIPING WITH (1) PRIMER COAT & (2) FINISH COATS TO MATCH EXISTING SPACE PAINT COLOR.

KEYED PLUMBING NOTES

- (P1) LAVATORY BY PLUMBING CONTRACTOR. PLUMBING CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. PLUMBING CONTRACTOR SHALL PROVIDE 1/2" DIA. CWS & HAVE 2" DIA. SANITARY DRAIN & 1-1/2" DIA. VENT RISER IN WALL CAVITY. LAVATORY CONTRACTOR SHALL PROVIDE THERMOSTATIC MIXING VALVE WITH INTEGRAL CHECK AT EACH LAVATORY. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (P2) WATER CLOSET BY PLUMBING CONTRACTOR. PLUMBING CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. PLUMBING CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. PLUMBING CONTRACTOR SHALL PROVIDE 1" DIA. CWS DRAIN, 3" DIA. SANITARY DRAIN, & 2" DIA. VENT RISER IN WALL CAVITY. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (P3) FLOOR DRAIN BY PLUMBING CONTRACTOR. PLUMBING CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (P4) HOSE BIB WITH ISOLATION BALL VALVE & BACKFLOW PREVENTER BY PLUMBING CONTRACTOR. PLUMBING CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. PLUMBING CONTRACTOR SHALL PROVIDE 3/4" DIA. CWS RISER TO HOSE BIB. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (P5) FREEZELESS ROOF HYDRANT WITH ISOLATION BALL VALVE & BACKFLOW PREVENTER BY PLUMBING CONTRACTOR. PLUMBING CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. PLUMBING CONTRACTOR SHALL PROVIDE 1/2" DIA. CWS RISER TO HYDRANT. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR PIPE PORTALS, ROOF PENETRATIONS, FLASHING & ROOF REPAIRS USING AN OWNER-APPROVED ROOFING SUBCONTRACTOR. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.
- (P6) FLOOR DRAIN BY PLUMBING CONTRACTOR. PLUMBING CONTRACTOR SHALL PROVIDE FOR COMPLETE INSTALLATION AS PER MANUFACTURER'S RECOMMENDATIONS & DETAILS. PLUMBING CONTRACTOR SHALL USE AS INDICATED ON PLANS. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.

PLUMBING FIXTURE SCHEDULE

- LAV-1 AMERICAN STANDARD "LUCERNE" #8250-010 WALL MOUNT VITREOUS CHINA LAVATORY, 16 GPM OPTIMIZED 600 SENSOR OPERATED CENTERSET FAUCET, POLISHED CHROME FINISH, WITH DRAW ASSEMBLY, PROVIDE CHROME-PLATED BRASS OFFSET P-TAP WITH FLANGE, CHROME-PLATED BRASS STOP, 1-1/2" DIA. VENT RISER IN WALL CAVITY. PROVIDE SUPPLIES, CHROME-PLATED ESCUTCHEONS AND FLANGES. SUPPLY LINES SHALL BE FLEXIBLE STAINLESS STEEL BRASS LINES. PROVIDE BRASS VALVE WITH INTEGRAL CHECK AT EACH FAUCET. PROVIDE INSULATED WATER SAFETY KITS FOR TRAP & SUPPLIES. SENSOR OPERATED FAUCET SHALL BE DIRECT-WIRED THROUGH A TRANSFORMER WITH 120V CIRCUIT.
- WC-1 AMERICAN STANDARD "AFR WALL" #225-103 8" SPHON JET VITREOUS CHINA WALL MOUNT FLUSH VALVE WATER CLOSET WITH WALL CARRIER, ELONGATED, 1.6 GPM FLUSH, 1-1/2" TOP SPUD, UNIT SHALL HAVE 1" FLOOR-TO-RIM HEIGHT. PROVIDE WHITE OPEN FRONT SEAT, SLOAN ROYAL #115 IS-S-SENSOR OPERATED FLUSH VALVE WITH MECHANICAL OVERRIDE BUTTON. SENSOR OPERATED FAUCET SHALL BE DIRECT-WIRED THROUGH A TRANSFORMER WITH 120V CIRCUIT.
- FD-1 SMITH #2510 CAST IRON FLOOR DRAIN, WITH 6" x 6" SQUARE POLISHED BRASS STRAINER, EQUIP WITH TRAP SEAL/GUARD.
- FD-2 SMITH #2520 CAST IRON FLOOR DRAIN, WITH 12" x 12" DUCTILE IRON STRAINER & SEDIMENT BASKET, EQUIP WITH TRAP SEAL/GUARD.
- HB-1 WOODFORD #865 FREEZEPROOF RECESSED WALL HYDRANT WITH VACUUM BREAKER BACKFLOW PREVENTER.
- HB-2 WOODFORD #864 FREEZEPROOF RECESSED WALL HYDRANT WITH VACUUM BREAKER BACKFLOW PREVENTER & LOCKING MECHANISM.
- HB-3 WOODFORD #864 MS FREEZEPROOF ROOF HYDRANT WITH VACUUM BREAKER BACKFLOW PREVENTER. PROVIDE 3/4" DRAIN PIPING TO ADR BASIN.
- FCO JOSAM #604-2 FLOOR CLEANOUT, INSIDE CAULK CONNECTION, SECURED RIM & SCOTCHLOD COVER WITH "CO" CAST IN. SATIN FINISH BRONZE TOP.
- FS-1 SMITH #304 CAST IRON DRAIN, WITH ADJUSTABLE 12" x 12" SQUARE NICKEL BRONZE HINGED GRATE, 6" DIA. FUNNEL & CAST IRON SEGMENT BUCKET.

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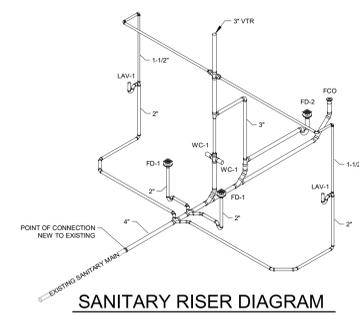
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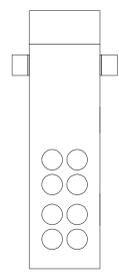
Date: 02-02-2023  
Drawn By: NAB  
Checked By: MJH

**P2**  
PLUMBING PLAN

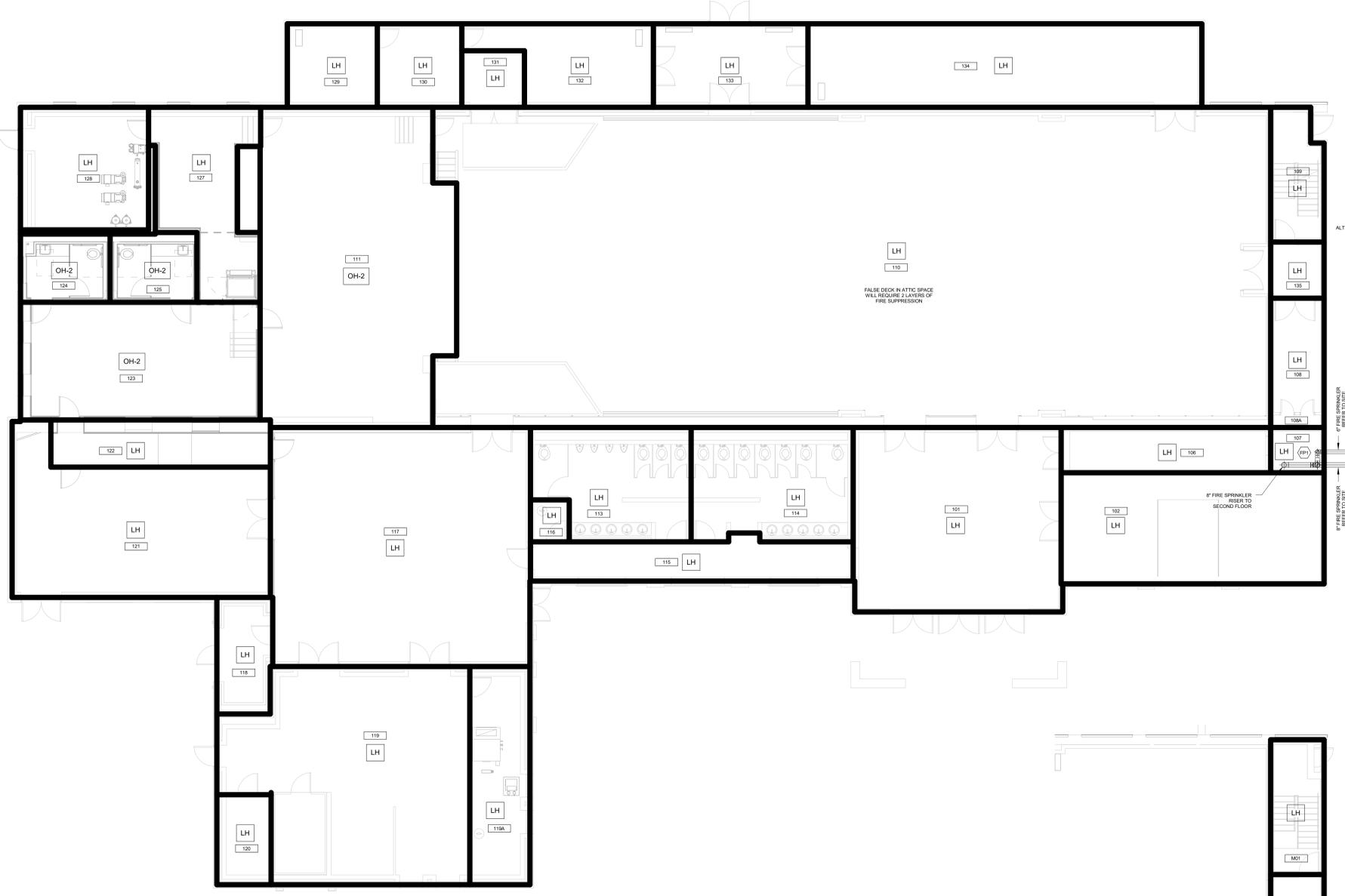


SANITARY RISER DIAGRAM

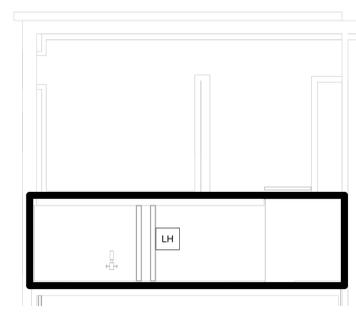
OH-2: ORDINARY HAZARD, GROUP 2  
LH: LIGHT HAZARD



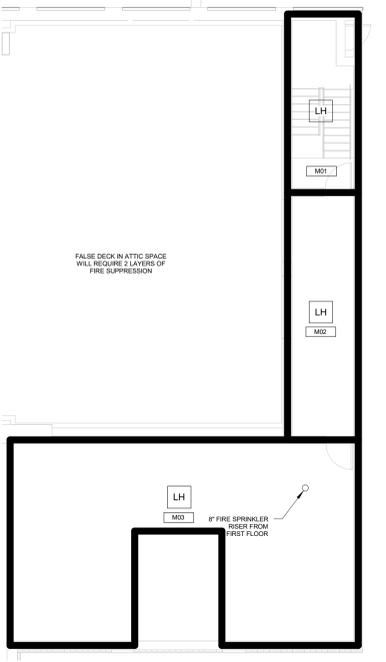
02 02 02



FIRST FLOOR FIRE PROTECTION PLAN  
1/8" = 1'-0"



SOUTH MEZZANINE FIRE PROTECTION PLAN  
1/8" = 1'-0"



NORTH MEZZANINE FIRE PROTECTION PLAN  
1/8" = 1'-0"

GENERAL FIRE PROTECTION NOTES

- (01) SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE TO PERFORM WATER FLOW TEST, FOR BIDDING PURPOSES. FLOW TEST RESULTS FROM NOVEMBER 2016 ARE INCLUDED IN SPECIFICATION SECTION 210500.
- (02) SPRINKLER CONTRACTOR SHALL DESIGN, DRAW, AND PROVIDE CERTIFIED SPRINKLER TECHNICIAN'S STAMP FOR THE COMPLETE FIRE PROTECTION SYSTEM. ALL DRAWINGS SHALL HAVE BEEN REVIEWED, STAMPED, AND APPROVED BY THE CHIEF OF THE STATE FIRE MARSHAL AND THE AUTHORITY HAVING JURISDICTION.
- (03) SHOP DRAWINGS SHALL BE DRAWN TO SCALE AND SHALL INDICATE LIGHT FIXTURES, DIFFUSERS, ROOM NAMES, AND NUMBERS.
- (04) SPRINKLER SYSTEM SHALL COMPLY WITH THE REQUIREMENTS OF NFPA 13 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS.
- (05) VALVES SHALL BEAR UL LABEL OR MARKING. PROVIDE MANUFACTURER'S NAME AND PRESSURE RATING ON VALVE BODY.
- (06) ALL ABOVE GROUND PIPING SHALL BE ASTM A53 SCHEDULE 40 BLACK STEEL FOR 2" DIA. AND SMALLER, AND SCHEDULE 10 FOR LARGER.
  - 1) STEEL FITTINGS: ANSI/ASME B16.25 BUTTWELD ENDS
  - 2) CAST IRON FITTINGS: ANSI/ASME B16.4 SCREWED FITTINGS
  - 3) MALLEABLE IRON FITTINGS: ANSI/ASME B16.3 SCREWED TYPE
  - 4) MECHANICAL GROOVED COUPLERS: MALLEABLE IRON HOUSING CLAMPS TO ENGAGE AND LOCK, C7 SHAPED COMPOSITION SEALING GASKET, STEEL BOLTS, NUTS, AND WASHERS.
- (07) SPRINKLER CONTRACTOR SHALL PROVIDE & INSTALL NEW DOUBLE CHECK VALVE ASSEMBLY.

KEYED FIRE PROTECTION NOTES

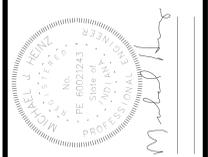
- (FP1) FIRE SPRINKLER FLOW & VALVE TAMPER SWITCHES BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE FIRE ALARM CIRCUITS TO FLOW & TAMPER SWITCHES AT INTERIOR FIRE SPRINKLER RISER & EXTERIOR P.I.V. FROM FIRE ALARM PANEL. REFER TO CIVILITE DRAWINGS FOR EXACT LOCATION OF EXTERIOR P.I.V. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SINK CUTTING, EXCAVATION, INSTALLATION, & BACKFILLING/COMPACTION, AND COMPLETE SURFACE RESTORATION. COORDINATE INSTALLATION WITH ALL TRADES & OWNER.

SYSTEM DESIGN CRITERIA

HC-1 HAZARD CLASS 1L	
OCCUPANCY CLASSIFICATION:	LIGHT HAZARD
DESIGN DENSITY (GPMS F.3):	0.10 HOSE ALLOWANCE
DESIGN AREA (S.F.):	1,500
HOSE STREAM ALLOWANCE (GPM):	100
DURATION (MINUTES):	30
HC-2 HAZARD CLASS 2L	
OCCUPANCY CLASSIFICATION:	ORDINARY HAZARD 2
DESIGN DENSITY (GPMS F.3):	0.15 HOSE ALLOWANCE
DESIGN AREA (S.F.):	1,500
HOSE STREAM ALLOWANCE (GPM):	200
DURATION (MINUTES):	60

ALTERNATE

IF FIRE SPRINKLER RISER TO SECOND FLOOR  
IF FIRE SPRINKLER RISER FROM FIRST FLOOR  
IF FIRE SPRINKLER RISER TO SECOND FLOOR  
IF FIRE SPRINKLER RISER FROM FIRST FLOOR



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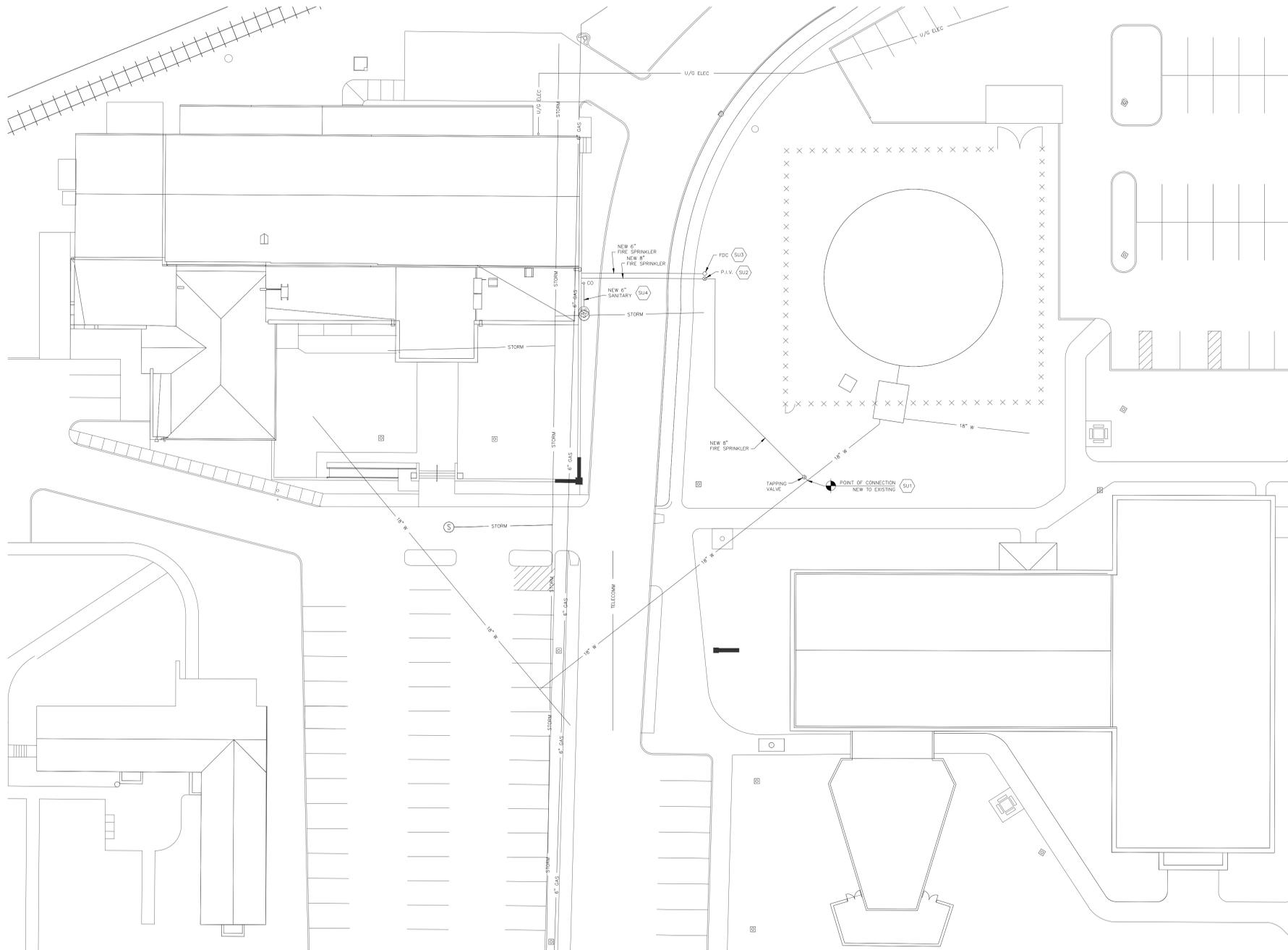
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Checked By: MJH

**FP1**  
FIRE PROTECTION  
PLAN



**FIRE PROTECTION - SITE UTILITY PLAN**

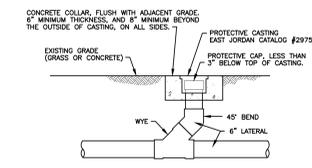
SCALE: 1" = 20'-0"

**GENERAL SITE UTILITY NOTES**

(B1) SITE & UTILITY CONTRACTORS SHALL FIELD VERIFY ALL DIMENSIONS & ELEVATIONS PRIOR TO CONSTRUCTION, AND SHALL PERFORM A ONE-CALL TO LOCATE UNDERGROUND UTILITIES, PRIOR TO ANY EXCAVATION.

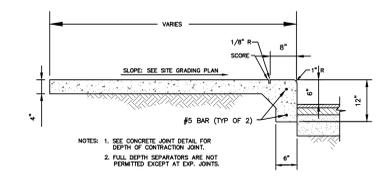
**KEYED SITE UTILITY NOTES**

- (S11) MECHANICAL CONTRACTOR SHALL PROVIDE FOR NEW 8" DUCTILE IRON, CLASS 350, WATER MAIN PIPING, INCLUDING COMPLETE INSTALLATION, TAP, & TESTING. EXISTING 18" WATER MAIN DEPTH IS UNKNOWN. CONTRACTOR TO BE ADVISED THAT EXISTING 18" WATER MAIN IS TRANSMIT. MECHANICAL CONTRACTOR SHALL PROVIDE FOR TAPPING SLEEVE & VALVE. MECHANICAL CONTRACTOR MUST CONTACT THE LOCAL WATER UTILITY TO INSPECT THE TAP. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY SAW-CUTTING, EXCAVATION, INSTALLATION, BACKFILLING/COMPACTION, AND COMPLETE SURFACE RESTORATION. COORDINATE INSTALLATION WITH ALL TRADES, UTILITIES, & OWNER.
- (S12) MECHANICAL CONTRACTOR SHALL PROVIDE FOR 8" ROST INDICATOR VALVE & TAMPER SWITCH, INCLUDING COMPLETE INSTALLATION & TESTING. MECHANICAL CONTRACTOR SHALL CONFIRM FINAL LOCATION WITH LOCAL FIRE DEPARTMENT. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY SAW-CUTTING, EXCAVATION, INSTALLATION, BACKFILLING/COMPACTION, AND COMPLETE SURFACE RESTORATION. COORDINATE INSTALLATION WITH ALL TRADES, UTILITIES, & OWNER.
- (S13) MECHANICAL CONTRACTOR SHALL PROVIDE FOR NEW 6" DUCTILE IRON, CLASS 350, WATER MAIN PIPING, AND FIRE DEPARTMENT CONNECTION (FDC), INCLUDING COMPLETE INSTALLATION & TESTING. MECHANICAL CONTRACTOR SHALL CONFIRM FINAL LOCATION WITH LOCAL FIRE DEPARTMENT. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY SAW-CUTTING, EXCAVATION, INSTALLATION, BACKFILLING/COMPACTION, AND COMPLETE SURFACE RESTORATION. COORDINATE INSTALLATION WITH ALL TRADES, UTILITIES, & OWNER.
- (S14) MECHANICAL CONTRACTOR SHALL PROVIDE FOR NEW 6" SANITARY DRAIN PIPING, PVC SDR 35, INCLUDING COMPLETE INSTALLATION & TESTING. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY SAW-CUTTING, EXCAVATION, INSTALLATION, BACKFILLING/COMPACTION, AND COMPLETE SURFACE RESTORATION. COORDINATE INSTALLATION WITH ALL TRADES, UTILITIES, & OWNER.



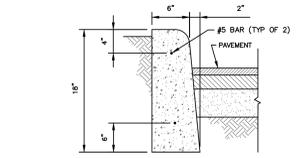
**CLEANOUT DETAIL**

SCALE: N.T.S.  
NOTE: #10 SOLID INSULATED LOCATE WIRE REQUIRED FROM THE MAIN TO THE CLEANOUT AT THE BUILDING.



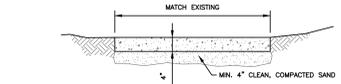
**INTEGRAL SIDEWALK & CURB**

SCALE: N.T.S.  
NOTE: ALL CONCRETE SIDEWALK SHALL HAVE 6#1 @ 4' W.W.F. INSTALLED.



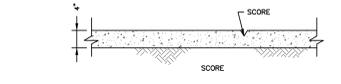
**CONCRETE STRAIGHT CURB**

SCALE: N.T.S.



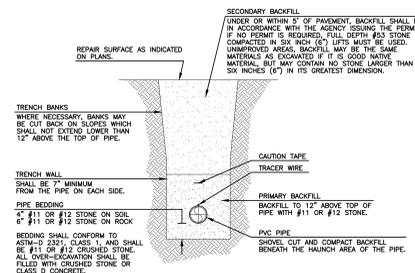
**CONCRETE WALK**

SCALE: N.T.S.  
NOTE: ALL CONCRETE SIDEWALK SHALL HAVE 6#1 @ 4' W.W.F. INSTALLED.



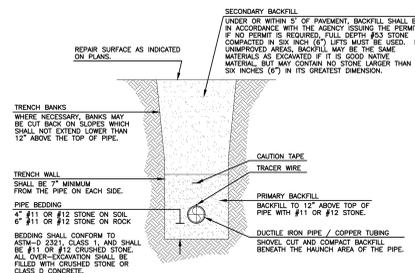
**CONCRETE JOINT DETAILS**

SCALE: N.T.S.  
NOTE: ALL CONCRETE SIDEWALK SHALL HAVE 6#1 @ 4' W.W.F. INSTALLED.



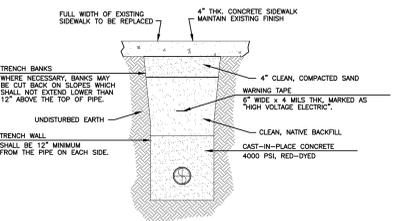
**SANITARY / STORM PIPING TRENCH DETAIL**

SCALE: N.T.S.  
NOTE: ALL TRENCH WORK SHALL BE IN COMPLIANCE WITH OSHA PART 28 OF THE CODE OF FEDERAL REGULATIONS.  
NOTE: WHEN PIPE GRADES ARE NOT DEFINED ON THE CONTRACT DRAWINGS, MAINTAIN A MINIMUM OF 48" OF COVER OVER THE TOP OF PIPE, EXCEPT AS OTHERWISE ORDERED BY THE ENGINEER.



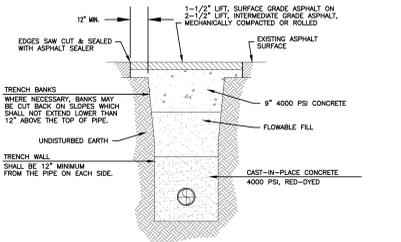
**WATER LINE TRENCH DETAIL (RIGID PIPE)**

SCALE: N.T.S.  
NOTE: ALL TRENCH WORK SHALL BE IN COMPLIANCE WITH OSHA PART 28 OF THE CODE OF FEDERAL REGULATIONS.  
NOTE: WHEN PIPE GRADES ARE NOT DEFINED ON THE CONTRACT DRAWINGS, MAINTAIN A MINIMUM OF 48" OF COVER OVER THE TOP OF PIPE, EXCEPT AS OTHERWISE ORDERED BY THE ENGINEER.



**SIDEWALK CUT REPAIR DETAIL**

SCALE: N.T.S.  
NOTE: ALL TRENCH WORK SHALL BE IN COMPLIANCE WITH OSHA PART 28 OF THE CODE OF FEDERAL REGULATIONS.  
NOTE: SIDEWALKS SHALL BE REMOVED TO THE NEAREST CONTROL OR EXPANSION JOINT.  
NOTE: ALL CONCRETE SIDEWALK SHALL HAVE 6#1 @ 4' W.W.F. INSTALLED.



**STREET/ALLEY CUT REPAIR DETAIL**

SCALE: N.T.S.  
NOTE: ALL TRENCH WORK SHALL BE IN COMPLIANCE WITH OSHA PART 28 OF THE CODE OF FEDERAL REGULATIONS.

NOTE: CONCRETE RESTORATION LIMITS SHALL INCLUDE ENTIRE SECTION AND EXTEND TO NEAREST CLEAN JOINT IN CURBS, SIDEWALKS, ETC. NO TRAFFIC SHALL BE ALLOWED.



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**GREEN ACTIVITIES CENTER  
PARTIAL RENOVATIONS**

Project #: 71 GA-22-01  
VINCENNES CAMPUS

DATE	DESCRIPTION

DRAWN: NAB  
CHECKED: MJH

**FP2**  
FIRE PROTECTION  
SITE UTILITY PLAN