

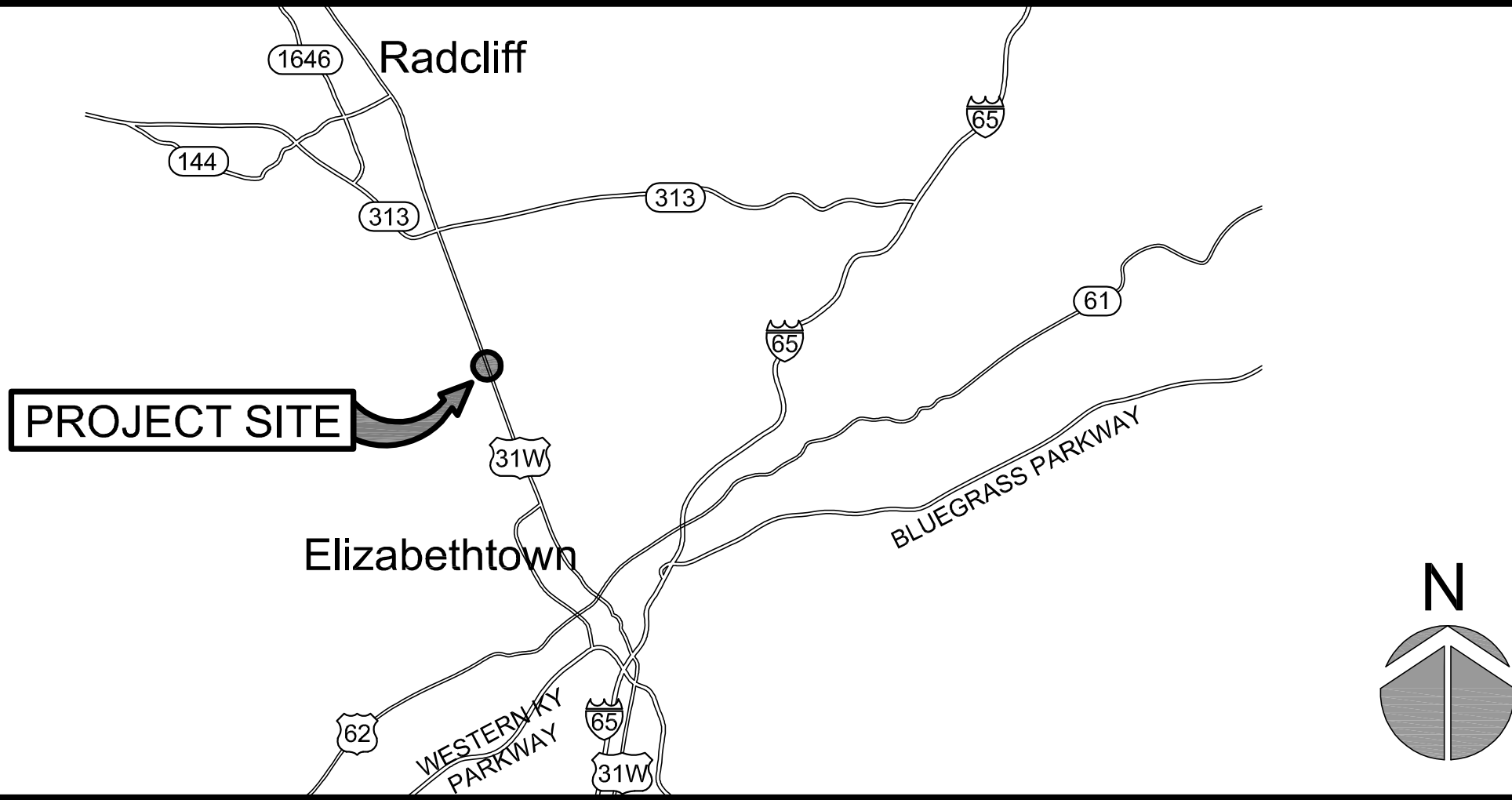

NEW HIGHLAND ELEMENTARY SCHOOL

ENTRY VESTIBULE

110 W. A. JENKINS RD, ELIZABETHTOWN, KENTUCKY 42701

OCTOBER 8, 2015

BG# 15-255

| VICINITY MAP | INDEX TO DRAWINGS | OWNER |
|---|---|---|
|  | <p>ARCHITECTURAL</p> <p>COVER</p> <p>A1.0 DEMOLITION PLAN, NEW WORK PLAN & INTERIOR ELEATIONS</p> <p>A1.1 DOOR / FRAME TYPES, DOOR DETAILS & DOOR SCHEDULE</p> <p>ME1.0 MECHANICAL ELECTRICAL PLANS</p> | <p>HARDIN COUNTY BOARD OF EDUCATION</p> <p>65 W.A. JENKINS ROAD,</p> <p>ELIZABETHTOWN, KENTUCKY 41472</p> <p>PH: 270.769.8800</p> <p>FAX: 270.769.8888</p> |
| | | <p>3399 Tates Creek Road, Suite 250</p> <p>Lexington, KY 40502</p> <p>ph: 859.559.0504 fax: 859.559.0523</p> <p>www.mgtky.com</p> <p>© COPYRIGHT 2015</p>  <p>MURPHY + GRAVES + TRIMBLE, PLLC</p> <p>ARCHITECTURE PLANNING INTERIORS</p> |

HAZARDOUS MATERIAL NOTES

- Occupational Safety Health Administration Regulations and Kentucky

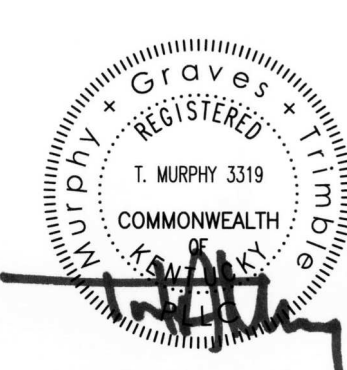
1. Occupational Safety Health Regulations 29 CFR 1910. 1200 (General Industry Regulations) and 29 CFR 1926.58 (Construction Industry Regulations) requires the building owner to identify work place hazards and hazardous materials prior to construction, renovation, or demolition. Murphy + Graves + Trimble PLLC assumes no liability, expresses or implies no or any warranty or guarantee, as to the completeness of the owners or its' consultants due diligence to identify work place hazards or hazardous materials that may be encountered during the Contractors Scope of Work.

2. The National Emissions Standard for Hazardous Air Pollutants 40 CFR 61.140 Subpart M; and 401 KAR 58.025 requires an asbestos inspection prior to commencement of renovation or demolition activities. (Demolition is defined in this regulation as disturbance of any structural building component). OSHA regulations 29 CFR 1910. 1001 (j)(8) and 29 CFR 1926.1101 (k)(5)(ii)(A) requires that the building owner prove a material installed prior to 1989 to be non-asbestos containing prior to disturbance. Murphy + Graves+Trimble PLLC assumes no liability, expresses or implies no or any warranty or guarantee, as to the completeness of the owners or its' consultants due diligence to identify asbestos containing building materials that may be encountered during the Contractors Scope of Work. By execution of the contract documents the Contractor, its' employees and subcontractors agrees to hold harmless, defend, and indemnify the architect, its' principals, agents, consultants, for the Contractors', his employees, and subcontractors failure to comply with this section that results in contamination, Contractors negligence, worker exposure or notice of violation.
3. OSHA Lead in Construction Regulation 29 CFR 1926.62, KOSH § 1926.62 requires that Contractors protect their employees from exposure to lead containing building materials and coatings during construction, renovation or demolition activities. It is the owners' responsibility to identify this hazard. Murphy + Graves+ Trimble PLLC is not responsible for either the owners due diligence or enforcement of the Contractors compliance with this regulation. By execution of the contract documents, the Contractor expresses warrants and guarantees it will perform its' work, including its' sub-contractors, in compliance with this regulation. Further, the Contractor, its' employees and subcontractors agrees to hold harmless, defend, and indemnify the architect, its' principals, agents, consultants, for the Contractors, his employees, and subcontractors failure to comply with this section that results in contamination, worker exposure, or notice of violation.

4. The Contractor, its' employees and subcontractors are to stop work when suspect hazardous conditions or materials are encountered and are instructed to notify Murphy + Graves+ Trimble PLLC immediately at (859) 559-0504 and the owners Environmental Consultant regarding remedial and containment measures. The Contractor is not to proceed with any remedial or response actions without consulting with the owners Environmental Consultant. By execution of the contract documents the Contractor, its' employees and subcontractors agrees to hold harmless, defend, and indemnify the architect, its' principals, agents, consultants, for the Contractors', his employees, and subcontractors failure to comply with this section that results in contamination, Contractors negligence, worker exposure or notice of violation.
5. The Contractor by executing the contract documents agrees that he has been informed of the work place hazards and hazardous materials involved in his Scope of Work and further agrees that it will comply with all applicable codes, safety regulations and environmental regulations. It is further agreed, that by execution of the contract documents the Contractor, its' employees and subcontractors agrees to hold harmless, defend, and indemnify the architect, its' principals, agents, consultants, for the Contractors, his employees, and subcontractors failure to comply with all applicable codes, safety regulations and environmental regulations and any subsequent litigation that may result.

6. It is agreed that Murphy + Graves+ Trimble PLLC is not responsible for identification of hazardous conditions or hazardous materials, remedial or response actions relating to hazardous conditions or materials; and, it is agreed that it is the Contractors responsibility to protect its' employees, subcontractors employees and building occupants from exposure to hazards conditions or materials that may be encountered in the Contractors' Scope of Work. Therefore, it is further agreed that the responsibility for identification of any and all hazards in the Contractors Scope of Work is between the building owner and the Contractor.

By execution of the contract documents the Contractor agrees it shall bring no claims for negligence, breach of contract, indemnity, or any litigation relating to hazardous conditions or hazardous materials against Murphy + Graves + Trimble PLLC, it principals, agents, or consultants.



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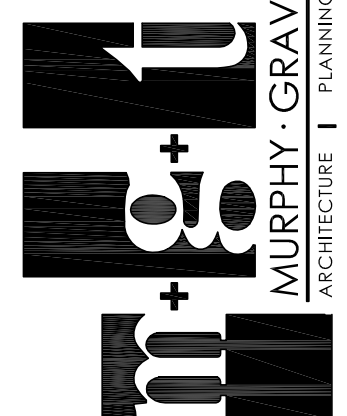
CONSTRUCTION DOCUMENTS

JOB NAME:

NEW HIGHLAND ELEMENTARY SCHOOL

ENTRY VESTIBULE

3399 Tates Creek Road, Suite 250
Lexington, KY 40502
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ARCHITECTURE | PLANNING | INTERIORS

JOB NO. 1509

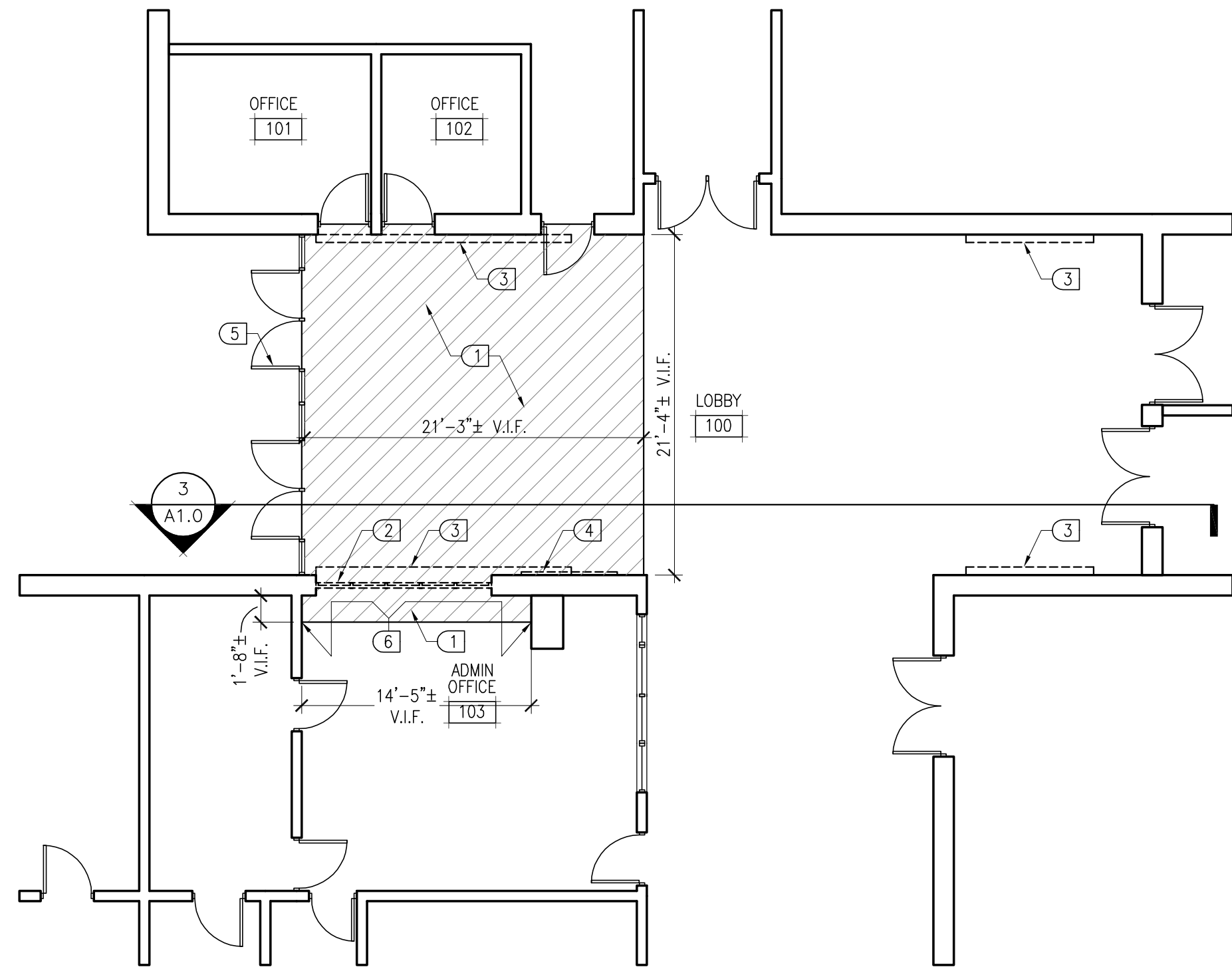
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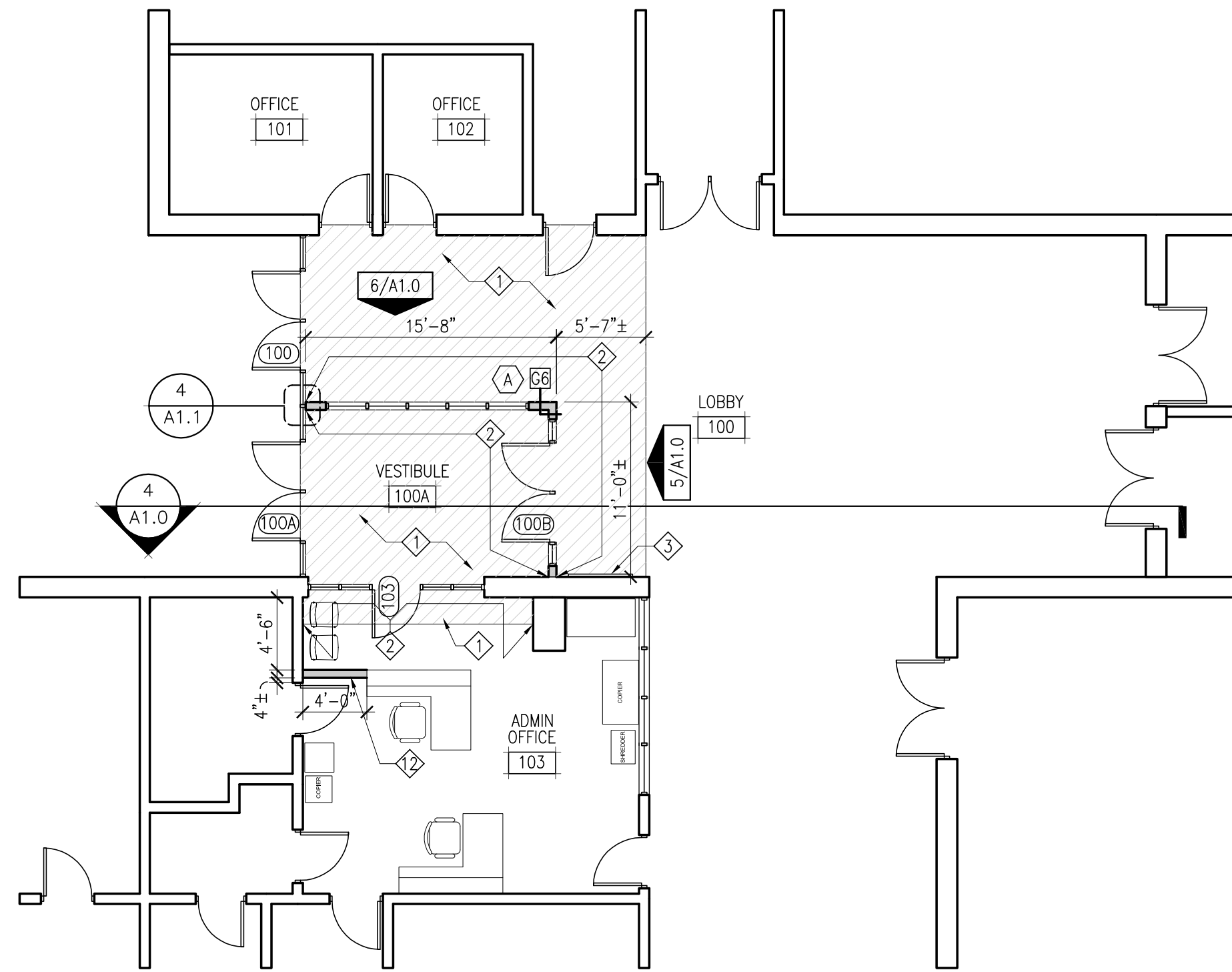
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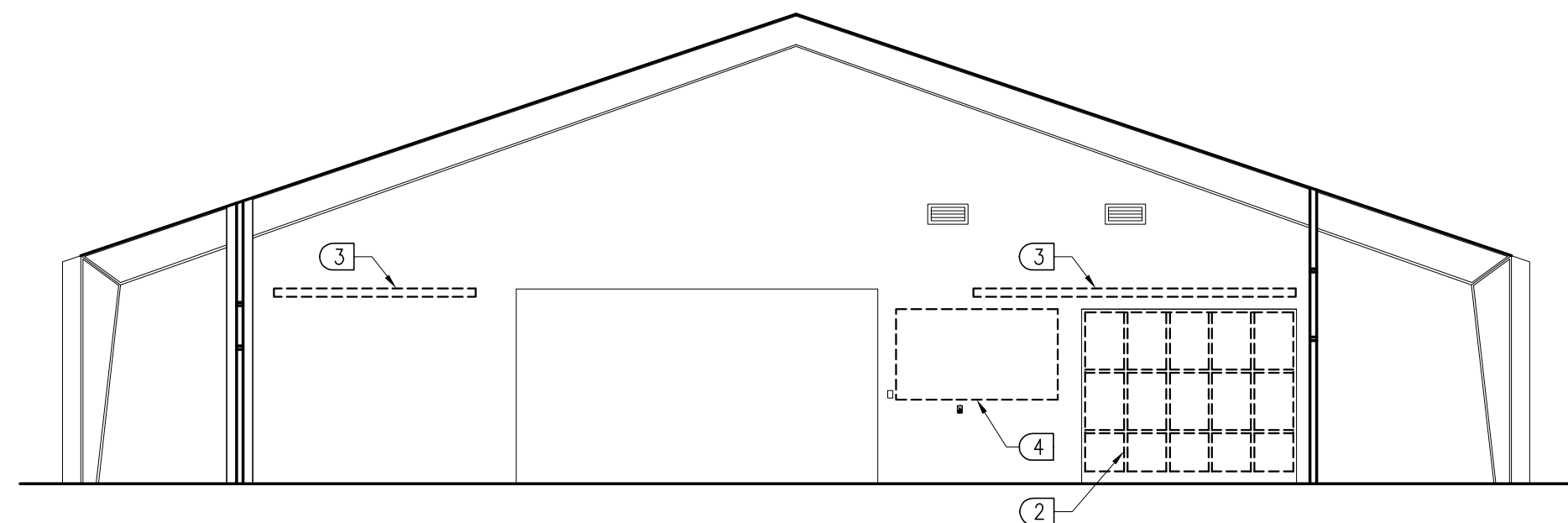
COVER



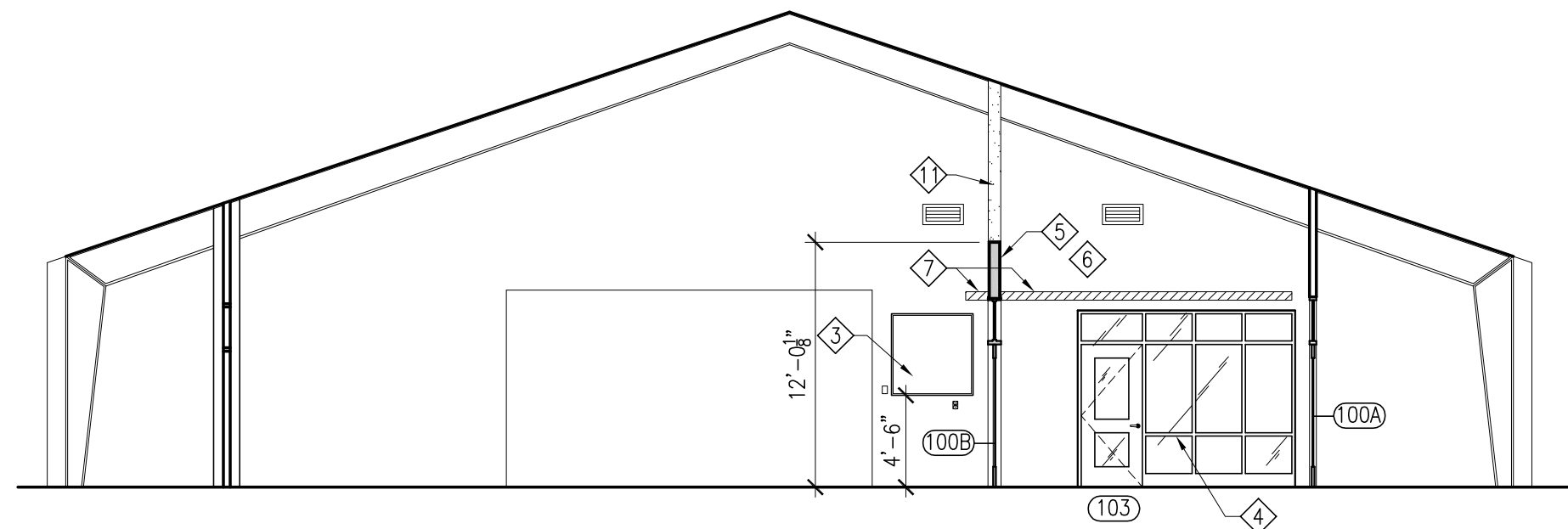
1 ENTRANCE VESTIBULE DEMOLITION PLAN
1/8"=1'-0"



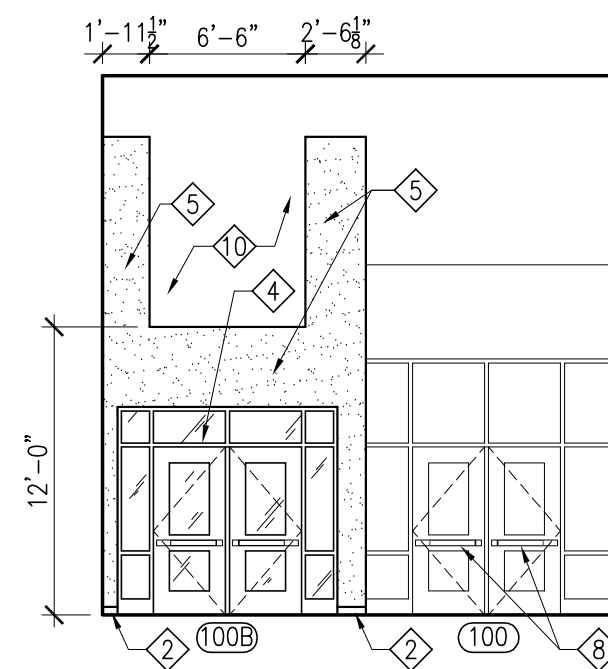
2 ENTRANCE VESTIBULE NEW WORK PLAN
1/8"=1'-0"



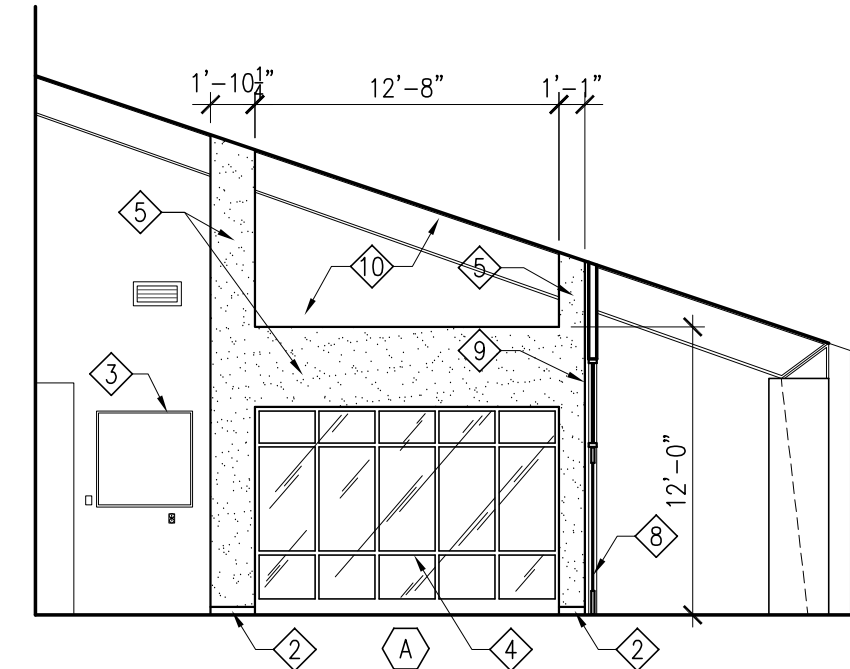
3 ENTRANCE VESTIBULE DEMOLITION ELEVATION
1/8"=1'-0"



4 ENTRANCE VESTIBULE NEW WORK ELEVATION
1/8"=1'-0"



5 ENTRANCE VESTIBULE ELEVATION
1/8"=1'-0"



6 ENTRANCE VESTIBULE NEW WORK ELEVATION
1/8"=1'-0"

GENERAL NOTES

- GN1. CONTRACTOR IS RESPONSIBLE TO PATCH AND/ OR REPAIR, HOLES, JOINTS, CRACKS, OPENINGS, ETC. IN EXISTING CONSTRUCTION TO BE EXPOSED, RESULTING FROM DEMOLITION AND/ OR INSTALLATION OF NEW CONSTRUCTION WITH APPROPRIATE AND/ OR SIM. MATERIAL THAT MATCHES THE COLOR (PTD) AND TEXTURE OF THE ADJACENT MATERIALS. ALL PATCHED SURFACES TO RESULT IN A INSTALLATION OF NEW FINISHES TO MATCH ADJACENT SURFACES OF NEW SCHEDULED FINISHES.
- GN2. CONTRACTOR SHALL PROVIDE TEMPORARY SHORING AND BRACING FOR EXISTING STRUCTURE DURING DEMOLITION REQUIRED TO COMPLETE WORK.
- GN3. THE INTENT OF THE DEMOLITION PLANS AND DEMOLITION NOTES IS TO PROVIDE A GENERAL OUTLINE FOR THE CONTRACTOR OF ITEMS TO BE REMOVED AND/OR TURNED OVER TO THE OWNER AND TO ALLOW FOR THE NEW CONSTRUCTION AS OUTLINED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION AND REMOVAL OF ITEMS SHOWN OR NOT SHOWN ON THE DEMOLITION PLANS TO ALLOW FOR NEW CONSTRUCTION.
- GN4. REMOVE ALL SCREWS, NAME PLATES, ETC... FROM FACES OF ALL DOORS.
- GN5. ALL ACCESSORIES RELATED TO ITEMS TO DEMOLISHED (I.E. ANCHOR SUPPORTS, TRIM PIECES, ETC.) SHALL ALSO BE REMOVED.
- GN6. REMOVE ALL NON-SYSTEMS WALL OBSTRUCTIONS INCLUDING BUT NOT LIMITED TO SCREWS, NAILS, COAT HOOKS, PENCIL SHARPENERS & CLOCKS
- GN7. ALL AREAS LEFT EXPOSED AS A RESULT OF DEMOLITION ARE TO BE PATCHED AND REPAIRED TO RESULT IN A FINISH SMOOTH SURFACE PROPERLY PREPARED FOR INSTALLATION OF NEW FINISHES.
- GN8. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS SHOWN ON THIS PLAN AND COORDINATE NEW WORK ACCORDINGLY.
- GN9. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND PERIPHERAL DEMOLITION REQUIRED TO COMPLETE THE WORK.
- GN10. FLOOR FINISH TRANSITIONS OCCUR AT MID-POINT OF DOOR FRAME U.N.O. ON FINISH PLANS
- GN11. ALL DIMENSIONS ARE TO FACE OF STUDS OR FACE OF CMU.
- GN12. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS.
- GN13. ALL WD AND WD BLOCKING, INCLUDING FRT BLKG, SHALL BE PRESSURE-TREATED WHERE BLOCKING IS IN CONTACT W/ MASONRY OR CONCRETE.
- GN14. PROVIDE DRYWALL CORNER BEADS TYP. @ ALL EXPOSED CORNERS.
- GN15. ALL FURNITURE REPRESENTED BY A DASHED LINE IS OWNER PROVIDED.

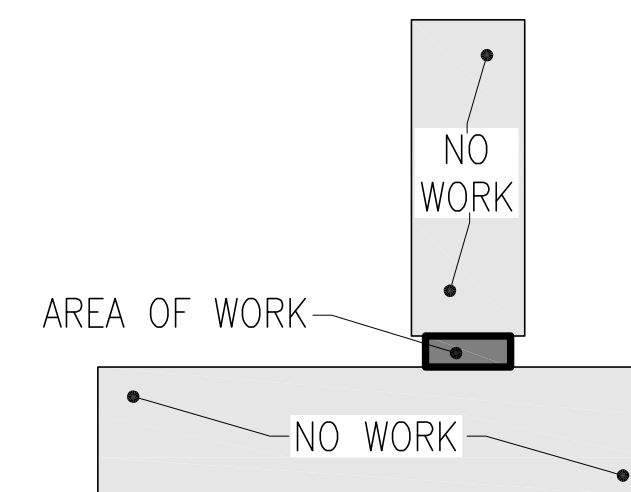
DEMOLITION PLAN KEYNOTES

1. HATCHED AREA INDICATES EXISTING VCT FLOORING AND ADHESIVE TO BE REMOVED. PREP EXISTING SLAB FOR INSTALLATION OF NEW FLOORING AS REQUIRED, INCLUDING, BUT NOT LIMITED TO REPAIRING, LEVELING, ETC...
2. EXISTING HOLLOW METAL FRAME AND GLAZING TO BE REMOVED COMPLETELY. EXISTING OPENING TO BE REUSED, PROTECT EXISTING FINISHES AS REQ'D.
3. EXISTING LINEAR WALL MOUNTED LIGHT FIXTURE TO BE REMOVED. SEE ELECTRICAL.
4. EXISTING TACK BOARD AND ADHESIVE TO BE REMOVED.
5. EXISTING DOOR HARDWARE TO BE REMOVED. COORDINATE WITH NEW EXIT ONLY HARDWARE TO BE INSTALLED
6. EXISTING RUBBER BASE AND ADHESIVE TO BE REMOVED.
7. EXISTING CMU WALL TO BE REMOVED. REMOVE CMU TO A MIN OF 2" BELOW TOP OF EXISTING SLAB AND INFILL WITH CONCRETE AS REQUIRED TO RECEIVE NEW FLOOR FINISH.

NEW WORK PLAN KEYNOTES

1. NEW VCT FLOORING OVER EXISTING SLAB. COORDINATE COLOR AND PATTERN WITH OWNER. PROVIDE NEW VINYL TRANSITION STRIPS UNDER CENTER OF DOORS ADJACENT TO THIS AREA.
2. NEW RUBBER BASE TO MATCH EXISTING
3. NEW 4'-0" X 4'-0" TACKBOARD WITH ALUMINUM TRIM. MOUNTED 4'-6"± A.F.F.
4. NEW ALUMINUM STOREFRONT. COORDINATE COLOR WITH OWNER.
5. 6" METAL STUD FRAMING WITH 5/8" GYP. BD. EA. SIDE. INSTALL TIGHT TO EXISTING CEILING. COORDINATE PAINT COLOR WITH OWNER. SEE WALL TYPE G6
6. NEW SUSPENDED LIGHT FIXTURE - SEE ELECTRICAL
7. FILL ALL HOLES ALONG ABANDONED LIGHT FIXTURE LOCATION WITH MATERIAL MATCHING EXISTING BRICK COLOR. PROVIDE BLANK COVER(S) OVER ABANDONED LIGHT FIXTURE JUNCTION BOX(ES). COORDINATE COLOR WITH OWNER.
8. PROVIDE NEW EXIT ONLY HARDWARE AT EXISTING DOORS.
9. BRAKE METAL TRIM OVER NEW GYP. BD. WALL. AT INTERSECTION WITH EXISTING HOLLOW METAL FRAME AND WALL ABOVE. SEE 4/A1.1
10. AREA OPEN BETWEEN NEW VESTIBULE AND EXISTING LOBBY
11. AREA OPEN BETWEEN NEW VESTIBULE AND EXISTING LOBBY. GYP. BD. BEYOND
12. NEW 42" TALL 3 5/8" STUD WALL, WITH 5/8" GYP. BD. EACH SIDE.

BUILDING KEY PLAN (N.T.S.)



DEMOLITION PLAN, NEW WORK PLAN &
INTERIOR ELEVATIONS

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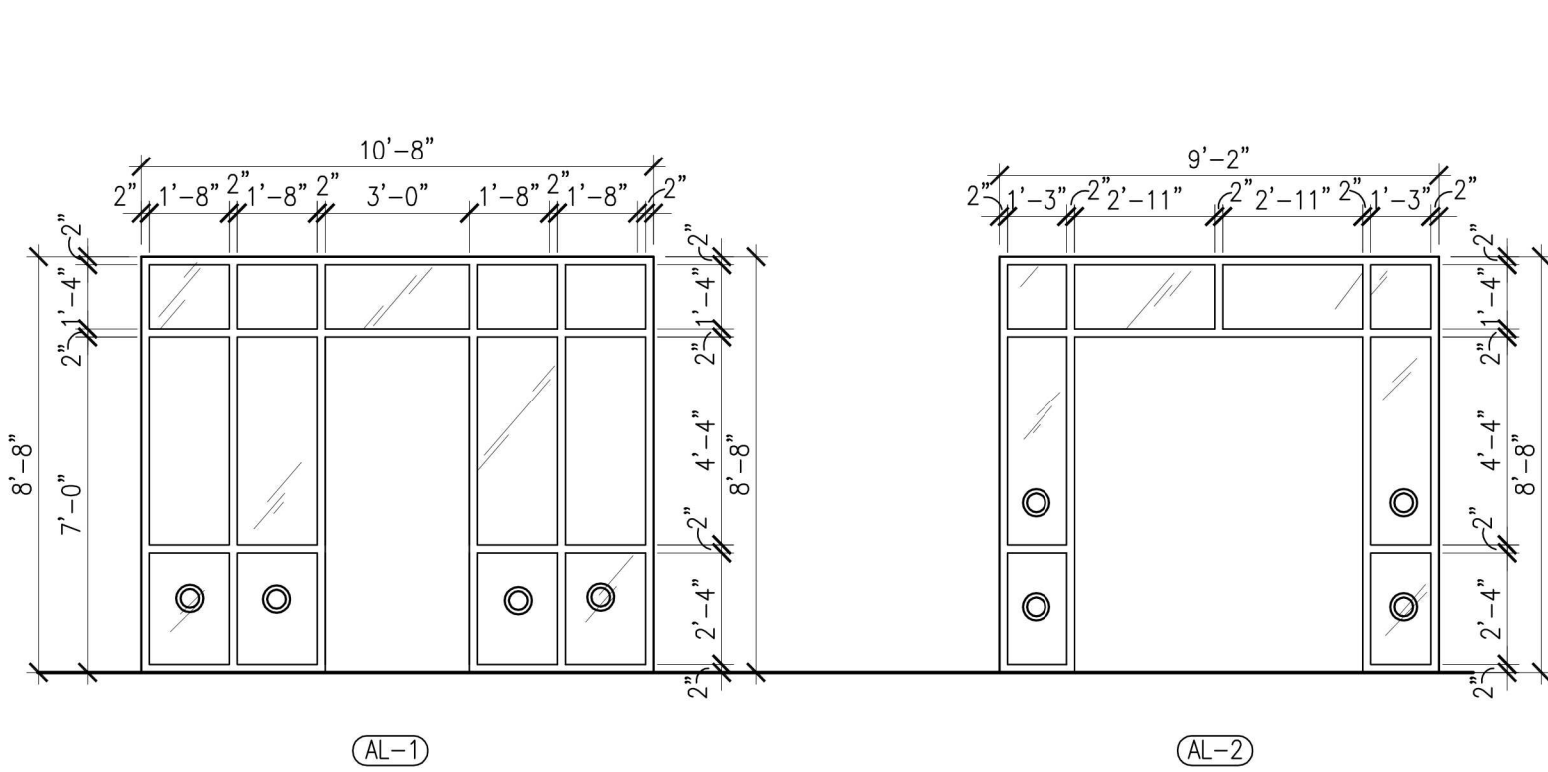
JOB NAME:
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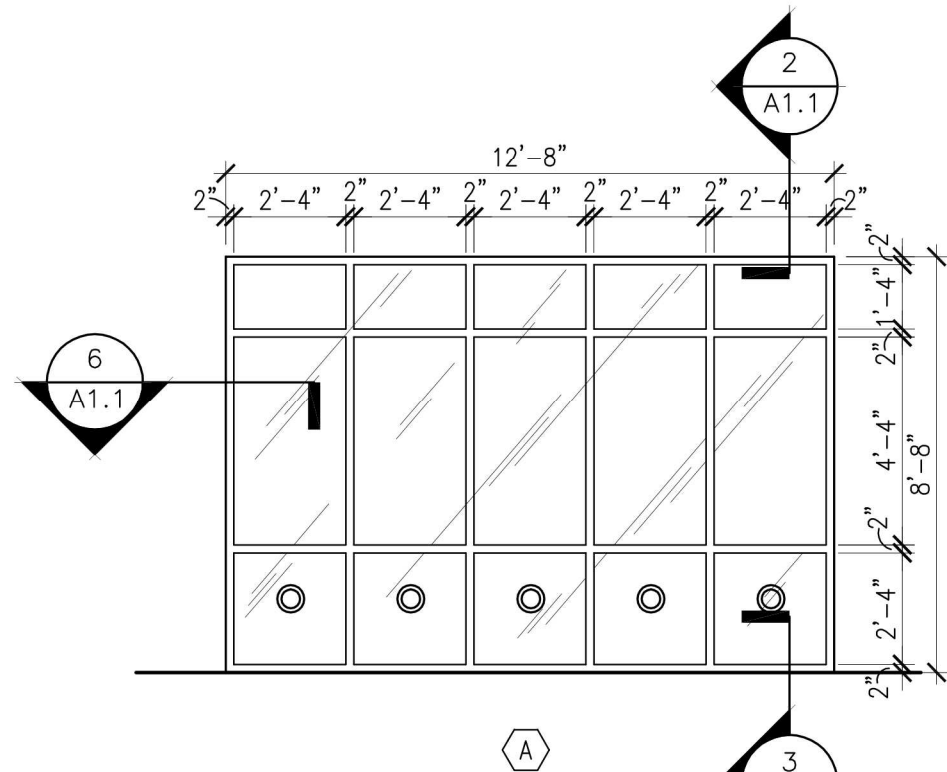
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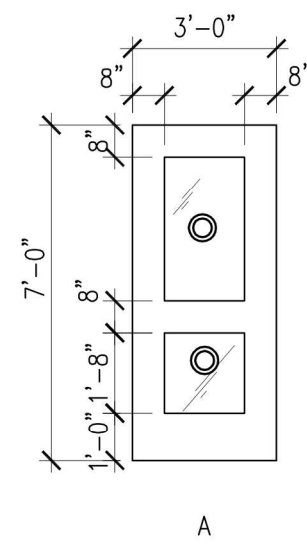
A1.0



ALUMINUM DOOR FRAMES
1/4"=1'-0"



ALUMINUM WINDOW FRAME
1/4"=1'-0"



DOOR TYPES
1/4"=1'-0"

| DOOR AND FRAME SCHEDULE | | | | | | | | | | | | |
|--|----------|-------------|-------|-------|---------------|--------|-------|--|-------------|-------------|-------------------|---------|
| NO. | DOOR | | | | | | FRAME | | | | LOCATION | REMARKS |
| | NO. LVS. | SIZE | MATL. | TYPE | GLAZING | RATING | MATL. | TYPE | HEAD DETAIL | JAMB DETAIL | | |
| 100 | 2 | EXISTING | EXIST | EXIST | EXIST | — | EXIST | EXIST | EXIST | EXIST | LOBBY 100 | 1 |
| 100A | 2 | EXISTING | EXIST | EXIST | EXIST | — | EXIST | EXIST | EXIST | EXIST | VESTIBULE 100A | |
| 100B | 2 | 3'-0"x7'-0" | ALUM | A | 1/4" TEMPERED | — | ALUM | AL-2 | 1/A1.1 | 5/A1.1 | VESTIBULE 100A | 2 |
| 103 | 1 | 3'-0"x7'-0" | ALUM | A | 1/4" TEMPERED | — | ALUM | AL-1 | 1/A1.1 | 5/A1.1 | ADMIN. OFFICE 103 | |
| REMARKS | | | | | | | | GENERAL DOOR SCHEDULE NOTES: | | | | |
| 1. PROVIDE EXIT HARDWARE ONLY, AT PUSH SIDE OF EXISTING DOOR | | | | | | | | DN1 REFER TO THIS SHEET FOR TYPICAL THRESHOLD CONDITIONS. | | | | |
| 2. PROVIDE EXIT HARDWARE ONLY, AT PUSH SIDE OF DOOR | | | | | | | | DN2 ALL HOLLOW METAL FRAMES TO BE PAINTED. COORDINATE COLOR WITH OWNER | | | | |

REMARKS
1. PROVIDE EXIT HARDWARE ONLY, AT PUSH SIDE OF EXISTING DOOR
2. PROVIDE EXIT HARDWARE ONLY, AT PUSH SIDE OF DOOR

GENERAL DOOR SCHEDULE NOTES:
DN1 REFER TO THIS SHEET FOR TYPICAL THRESHOLD CONDITIONS.
DN2 ALL HOLLOW METAL FRAMES TO BE PAINTED. COORDINATE COLOR WITH OWNER

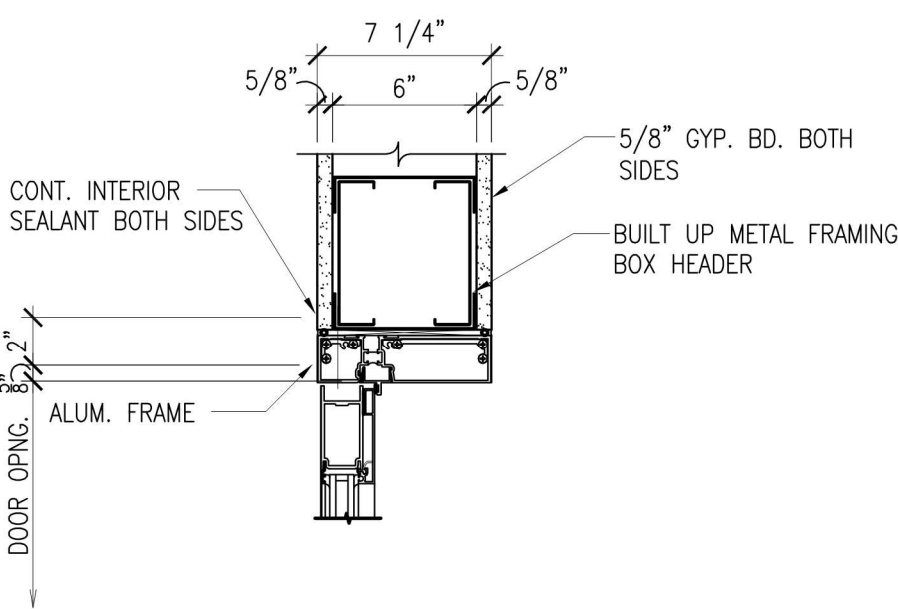
DOOR HARDWARE SPECIFICATION

087100 Door Hardware Specification
Provide door hardware as indicated below in the hardware sets. Submittals and installation requirements per Section 087100 of latest version of AIA MasterSpec. Allowable equal manufacturers as follows:
Hinges Hager, Ives, McKinney, Stanley, PBB.
Key Cylinders Best; compatible with building master key system. Key as directed by Owner.
Exit Devices Stanley Precision (to match district standard).
Closers Stanley, LCN, Sargent.
Seals Zero, Reese, NGP, Pemko.
Misc Trim Hager, Trimco, Rockwood, Ives

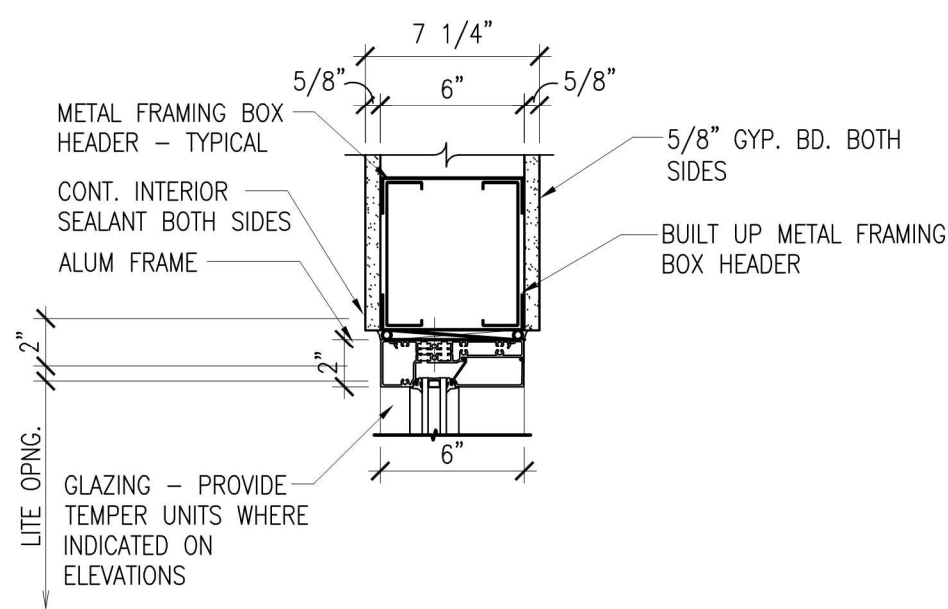
| Hardware Set 01 - Door 100B | | | |
|-----------------------------|---------------------------|-----|-----|
| (6) Butt Hinges | BB5004-545 | 652 | BOM |
| (1) Panic Device, Rim, 02 | 2102CD x 2102C | 630 | PHI |
| (1) Panic Device, Rim, 03 | 2103CD x 2103C | 630 | PHI |
| (1) Key Removable Mullion | KR-822 | 689 | PHI |
| (2) Rim Cylinder | IE72 | 626 | BES |
| (2) Mortise Cylinder | IE74 | 626 | BES |
| (2) Closer, w/Spring Stop | D-4550 CS | 689 | STA |
| (2) Kick Plate | KO050 8 x 2LDW x CS x B4E | 630 | TRI |
| (1) Mullion Seal/Mute | 5100N | BLK | NGP |

| Hardware Set 02 - Door 103 | | | |
|-----------------------------------|---------------------------|-----|-----|
| (3) Butt Hinges | BB5000-454 | 652 | BOM |
| (1) Classroom/Double Cyl Deadbolt | 356 x Less Cylinders | 626 | YAL |
| (2) Mortise Cylinder | IE74 | 626 | BES |
| (1) Push/Pull Bar Set | 1731 | 630 | TRI |
| (1) Closer, w/Spring Stop | D-4550 CS | 689 | STA |
| (1) Kick Plate | KO050 8 x 2LDW x CS x B4E | 630 | TRI |

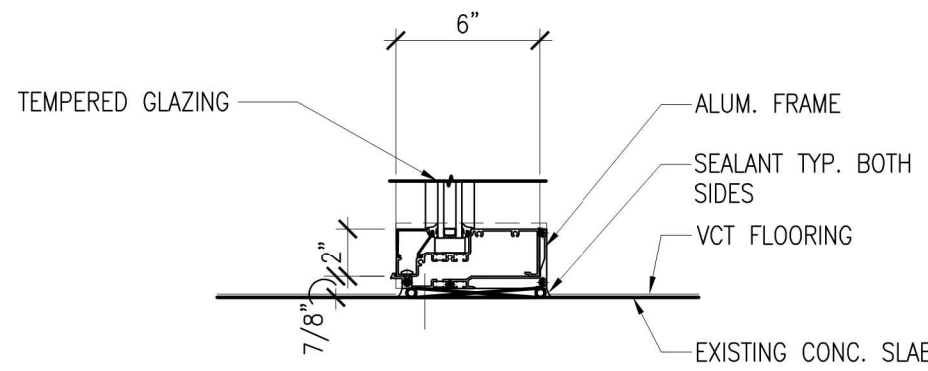
End of 087100 Door Hardware Specification



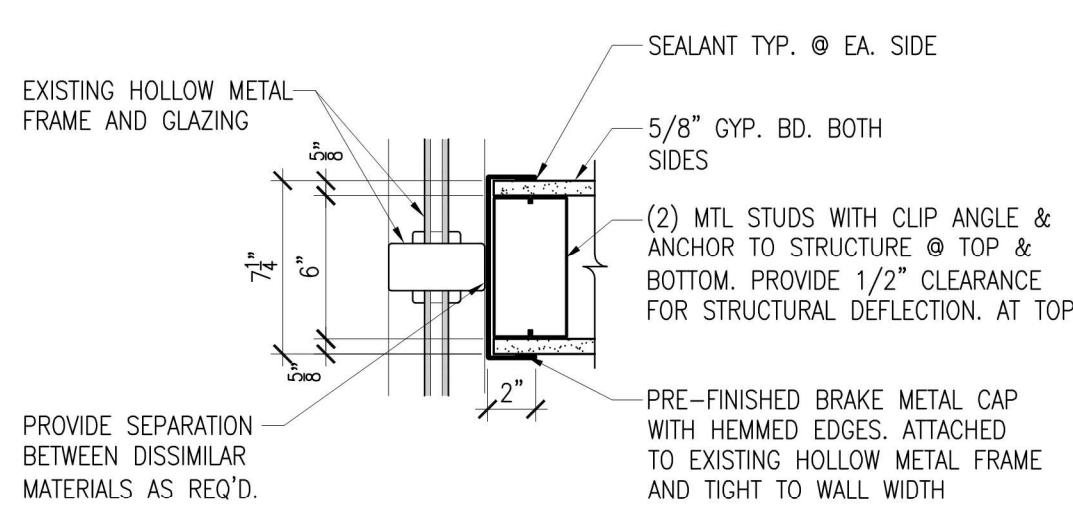
1 INTERIOR ALUM. DOOR HEAD
1-1/2"=1'-0"



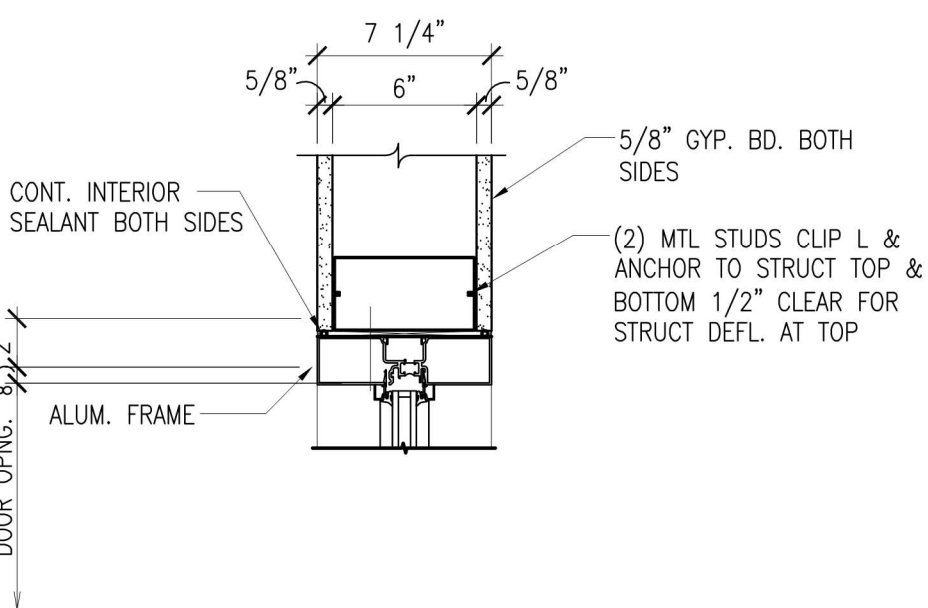
2 INTERIOR ALUM. LITE HEAD
1-1/2"=1'-0"



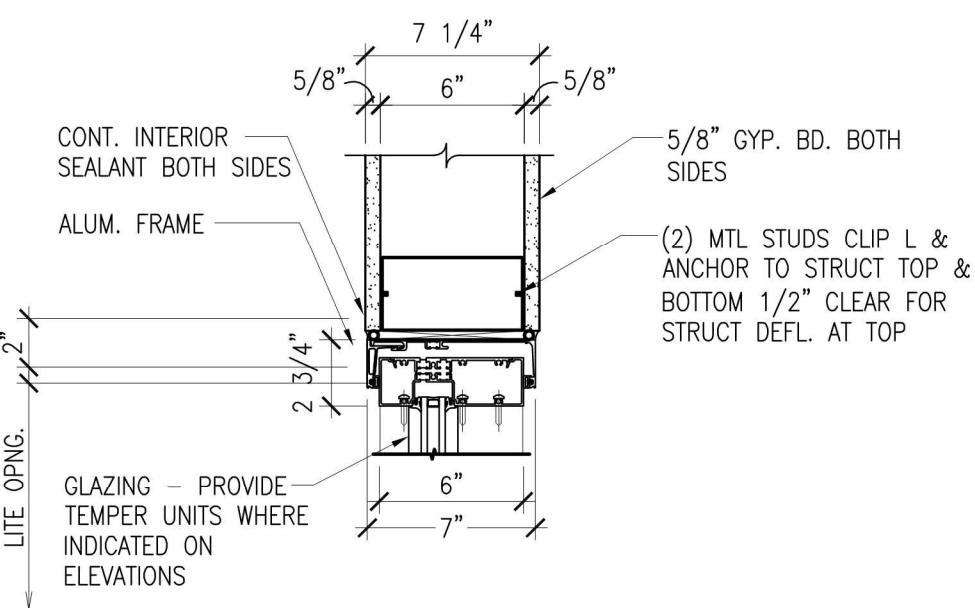
3 INTERIOR ALUM. LITE BASE
1-1/2"=1'-0"



4 WALL TO HOLLOW METAL FRAME DETAIL
1-1/2"=1'-0"



5 INTERIOR ALUM. DOOR JAMB
1-1/2"=1'-0"



6 INTERIOR ALUM. LITE JAMB
1-1/2"=1'-0"

DOOR / FRAME TYPES, DOOR DETAILS
& DOOR SCHEDULE

SHEET TITLE:

JOB NAME:

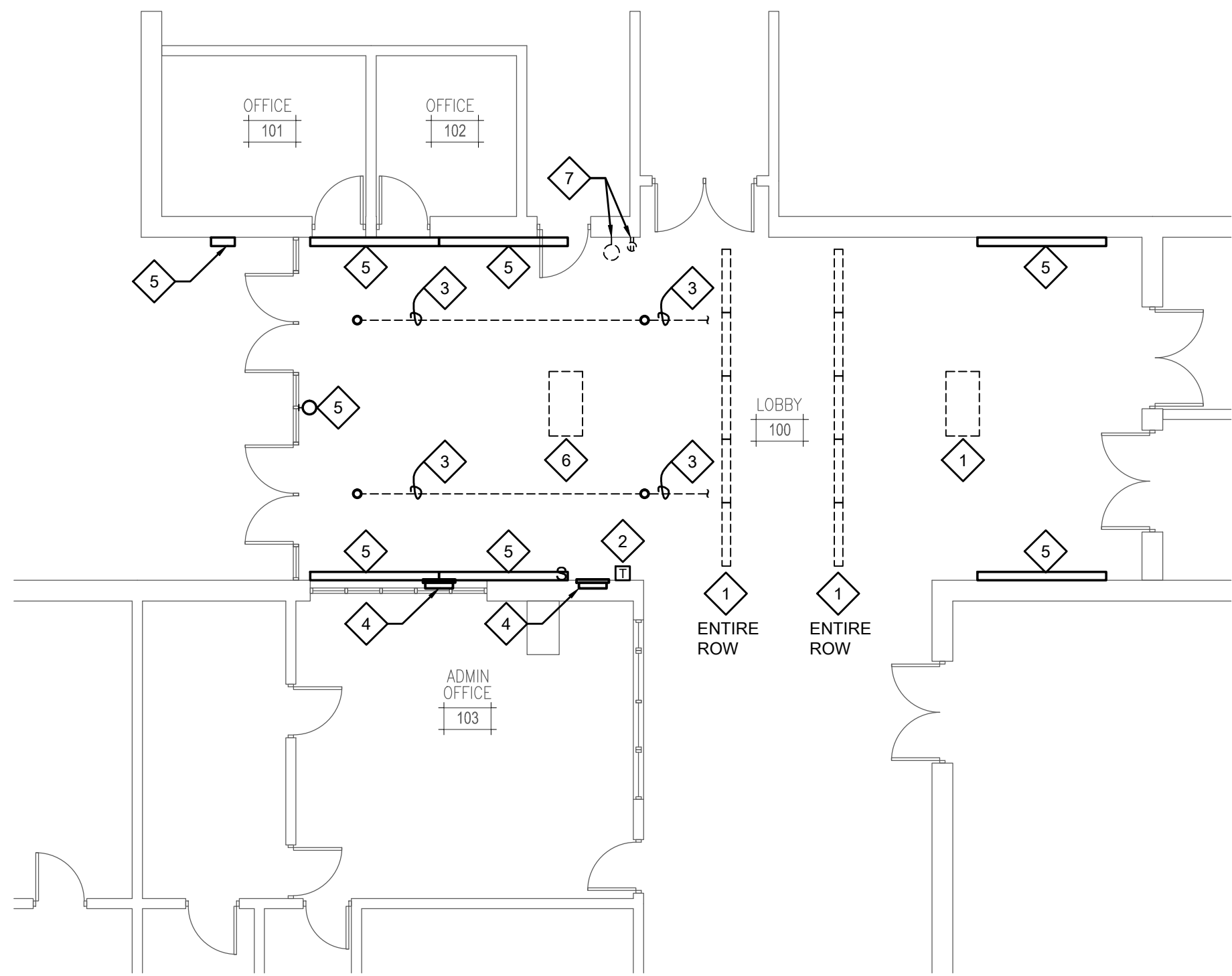
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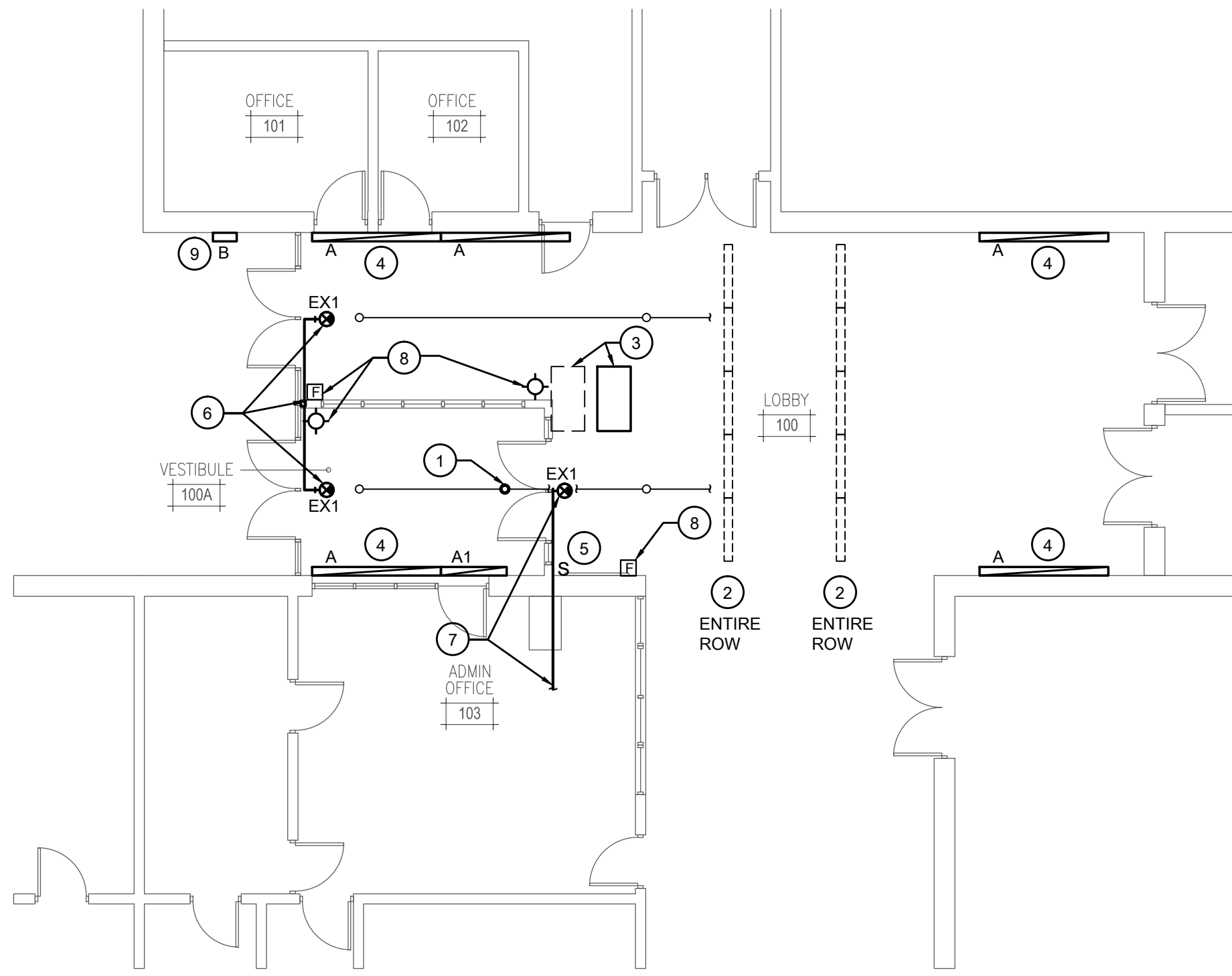
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A1.1



MECHANICAL-ELECTRICAL DEMO PLAN

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



MECHANICAL-ELECTRICAL FLOOR PLAN

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

FIRE PROTECTION NOTES

1. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE PRIOR TO BIDDING IN ORDER TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS. ANY DISCREPANCIES OR QUESTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE BID DATE.
2. ALL WORK SHALL BE IN ACCORDANCE WITH NFPA 13, "INSTALLATION OF SPRINKLER SYSTEMS", THE KENTUCKY BUILDING CODE, AND ALL LOCAL BUILDING CODES/REQUIREMENTS.
3. WORK SHALL BE ACCEPTABLE TO THE LOCAL FIRE MARSHAL. CONTRACTOR IS RESPONSIBLE FOR CORRECTING ANY WORK TO RECEIVE INSPECTION APPROVAL.
4. THE CONTRACTOR SHALL OBTAIN, AT HIS EXPENSE, APPLICABLE PERMITS AND FEES.
5. WORK SHALL BE PERFORMED BY A LICENSED FIRE PROTECTION CONTRACTOR.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING FLOW TESTS, SYSTEM DESIGN, AND APPROVED SHOP DRAWINGS, IF REQUIRED.
7. THESE PLANS ARE SCHEMATIC IN NATURE AND INDICATE THE APPROXIMATE AND GENERAL LOCATION OF THE WORK. CONTRACTOR SHALL INSTALL WORK THROUGH COORDINATION WITH OTHER TRADES AND TO SUIT FIELD CONDITIONS.

DEMOLITION NOTES

(APPLIES TO THIS DRAWING ONLY)

- | # | |
|---|--|
| 1 | EXISTING LIGHT FIXTURE TO REMAIN AND BE LEFT ACTIVE. |
| 2 | EXISTING THERMOSTAT TO REMAIN. |
| 3 | EXISTING SPRINKLER LINE AND UPRIGHT SPRINKLERS TO REMAIN. |
| 4 | EXISTING SIDE WALL HVAC DIFFUSERS TO REMAIN. |
| 5 | EXISTING LIGHT FIXTURE TO BE REMOVED - CIRCUITRY SHALL REMAIN FOR REUSE. |
| 6 | EXISTING LIGHT FIXTURE TO REMAIN, BUT REQUIRES REPOSITIONING TO CLEAR NEW WALL CONSTRUCTION. |
| 7 | EXISTING CLOCK AND RECEPTACLE TO REMAIN. |

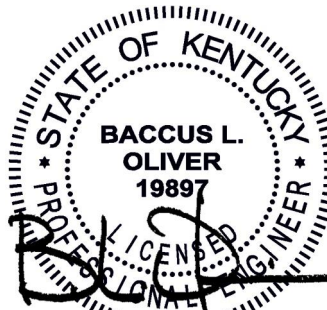
CONSTRUCTION NOTES

(APPLIES TO THIS DRAWING ONLY)

- | # | |
|---|--|
| 1 | MODIFY EXISTING SPRINKLER SYSTEM AS REQUIRED TO ADD A NEW UPRIGHT SPRINKLER FOR NEW ROOM LAYOUT - MATCH EXISTING AND PROVIDE 100% COVERAGE. PAINT NEW PIPING CONNECTIONS TO MATCH EXISTING. |
| 2 | CLEAN AND RE-LAMP EXISTING FIXTURES MOUNTED ON SOFFIT - VERIFY PROPER OPERATION. |
| 3 | REPOSITION EXISTING LIGHT FIXTURE AND WHIP DROP TO CLEAR NEW CONSTRUCTION. |
| 4 | TYPICAL OF TYPE "A" AND "A1" FIXTURES. FURNISH AND INSTALL A NEW WALL MOUNTED LIGHT FIXTURE AT THE SAME ELEVATION AS EXISTING FIXTURES THAT WERE REMOVED. CONNECT NEW FIXTURES TO EXISTING CIRCUITRY AND VERIFY LOADING. TYPE "A" FIXTURE SHALL BE EQUAL TO PRECISION ARCHITECTURAL LIGHTING #LM3P02-SE-8-TWA-FCC-120-T5H0-EBPH-A0. 8FT FIXTURE SHALL HAVE SCULPTED END CAP, TRANSLUCENT WHITE LENS, OVERLAY ABOVE BAFFLE, EMERGENCY BATTERY PACK AND CUSTOM COLOR. COLOR TO BE SELECTED BY ARCHITECT. "A1", SAME AS "A", EXCEPT 4FT IN LENGTH. TYPE "A1" FIXTURE SHALL BE UNSWITCHED AND SERVE AS A "NIGHT-LIGHT". PULL AN UNSWITCHED CONDUCTOR TO THE INTEGRAL BATTERY PACK OF EACH NEW FIXTURE. |
| 5 | REMOVE AND REPLACE EXISTING SWITCH AND COVERPLATE WITH NEW SWITCH, TO CONTROL TYPE "A/A1" LIGHT FIXTURES - CONNECT TO EXISTING CIRCUITRY. MATCH EXISTING DEVICE COLOR. |
| 6 | FURNISH AND INSTALL A NEW EXIT SIGN EQUAL TO LITHONIA #LOC-W-1-R-ELN. FIXTURE TO HAVE WHITE FINISH AND INTEGRAL BATTERY. FURNISH AND INSTALL A WIREMOLD BOX AT EXISTING J-BOX AND EXTEND WIREMOLD AND 3#12AWG TO NEW FIXTURE AND CONNECT. PAINT TO MATCH EXISTING ADJACENT SURFACE. |
| 7 | FURNISH AND INSTALL A NEW EXIT SIGN EQUAL TO LITHONIA #LOC-W-1-R-ELN. FIXTURE TO HAVE WHITE FINISH AND INTEGRAL BATTERY. EXTEND 1/2" CONDUIT WITH 3#12AWG TO NEAREST AVAILABLE UNSWITCHED CIRCUIT IN CEILING SPACE OF ADMINISTRATION 103 AND CONNECT. |
| 8 | FURNISH AND INSTALL NEW FIRE ALARM STROBE AND PULL STATIONS AS INDICATED. NEW DEVICES SHALL BE COMPATIBLE WITH EXISTING SYSTEM. EXTEND CONDUIT AND WIRING TO INTERFACE POINT OF EXISTING SYSTEM AS REQUIRED. |
| 9 | NEW FIXTURE SHALL SERVE AS GENERAL AND EMERGENCY EGRESS LIGHTING. FURNISH AND INSTALL A NEW WALL MOUNTED LIGHT FIXTURE AT THE SAME ELEVATION AS EXISTING FIXTURE THAT WAS REMOVED. CONNECT NEW FIXTURES TO EXISTING CIRCUITRY AND VERIFY LOADING. TYPE "B" FIXTURE SHALL BE EQUAL TO LITHONIA #DSW1LED 20C 350MA-40K-1FT 1M VOLT-ELCW DDL WITH DIFFUSED DROP LENS AND EMERGENCY BATTERY PACK. COLOR TO BE SELECTED BY ARCHITECT. PULL AN UNSWITCHED CONDUCTOR TO THE INTEGRAL BATTERY PACK OF THE FIXTURE. |

ELECTRICAL NOTES

1. THE INSTALLER SHALL CUT AND PATCH AS REQUIRED DURING THE COURSE OF INSTALLATION OR AS SPECIFIED ON THE DRAWINGS AND REQUIRED FOR THE INSTALLATION. PATCHING SHALL MAINTAIN THE ORIGINAL ASSEMBLY FIRE AND SMOKE RATING.
2. ALL NEW ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND ALL OTHER LOCAL, STATE AND NATIONAL CODES WHICH APPLY AS INTERPRETED BY THE AHJ (AUTHORITY HAVING JURISDICTION).
3. THE ELECTRICAL DRAWINGS ARE SCHEMATIC IN NATURE AND SHOW THE GENERAL ARRANGEMENT OF EQUIPMENT. THE DRAWINGS SHALL NOT BE SCALED TO DETERMINE EQUIPMENT CONNECTION OR ROUGH-IN. REFER TO EQUIPMENT CUT-SHEETS FOR DIMENSIONAL DETAILS.
4. ALL CONDUCTORS OF THE ELECTRICAL SYSTEM SHALL BE COPPER, 600V, THW/THWN AND SIZED AS REQUIRED FOR LOADING AND PER CODE.
5. ALL CONDUIT SHALL BE MINIMUM 1/2" TRADE SIZE RMC AND LFMC FOR FINAL CONNECTION TO EQUIPMENT TO ISOLATE ANY VIBRATION.
6. RACEWAY FILL. WHEN RACEWAY SIZE IS NOT SPECIFICALLY INDICATED, SHALL BE BASED ON APPLICABLE ARTICLES OF THE NEC AND CONDUCTOR MANUFACTURER.
7. CIRCUIT ROUTING. IN GENERAL, IS NOT SPECIFIED UNLESS SPECIFIC REQUIREMENTS EXIST WHERE ROUTING OF CIRCUITS WILL HAVE EFFECT ON CIRCUIT VOLTAGE DROPS. INSTALLER SHALL COORDINATE ROUTING LENGTH WITH CONNECTED LOAD AND ADJUST CONDUCTOR SIZE FOR A VOLTAGE DROP LESS THAN 3%.
8. SERVICE VOLTAGE AND ELECTRICAL REQUIREMENTS OF ALL EQUIPMENT SHALL BE VERIFIED BY THE INSTALLER PRIOR TO ELECTRICAL ROUGH-IN. DISCREPANCIES BETWEEN THE ELECTRICAL DRAWINGS AND EQUIPMENT REQUIREMENTS SHALL BE REPORTED TO THE ENGINEER BEFORE ANY ASSOCIATED WORK IS INSTALLED.
9. INSTALLER SHALL COORDINATE WITH THE EXISTING STRUCTURES AND PROVIDE THE REQUIRED SUPPORT OF RACEWAY.
10. INDICES OF ELECTRICAL EQUIPMENT SHALL BE COMPLETED FOR EACH CIRCUIT. DESCRIPTION SHALL INCLUDE ROOM NUMBER TO MATCH SIGNAGE. ARC-FLASH WARNING LABELS SHALL BE APPLIED ON ALL EQUIPMENT PER N.E.C. 110.16. LABELS AND TAGS AS DETAILED SHALL BE PLACED ON ALL PANELS, STARTERS, DISCONNECTS, ETC.
11. THE INSTALLER SHALL PROVIDE ALL LABOR AND MATERIAL TO CONNECT EQUIPMENT SPECIFIED AS PART OF THIS PROJECT AND SHALL REVIEW ALL PARTS OF THE CONSTRUCTION DOCUMENTS FOR LOCATION AND QUANTITIES.
12. THE INSTALLER SHALL BE REQUIRED TO FABRICATE AND INSTALL ANY NECESSARY STANCHION MOUNTS FOR ALL ELECTRICAL EQUIPMENT THAT IS NECESSARY TO COMPLETE THEIR WORK.
13. THESE DRAWINGS WERE BASED ON FIELD OBSERVATIONS AND ARE DIAGRAMMATIC. ACTUAL CONDITIONS SHALL BE VERIFIED BY THE INSTALLER PRIOR TO INSTALLATION.
14. E.C SHALL FURNISH AND INSTALL APPROPRIATE AND LISTED SEALS FOR ALL PENETRATIONS MADE IN FIRE AND SMOKE-RATED BARRIERS AS REQUIRED FOR THE INSTALLATION OF THE ELECTRICAL SYSTEMS.



10.8.2015

MECHANICAL-ELECTRICAL PLANS

NEW HIGHLAND ELEMENTARY SCHOOL
ENTRY VESTIBULE

SHEET TITLE:

JOB NAME:

ARCHITECTURE

PLANNING

INTERIORS

MURPHY · GRAVES · TRIMBLE · PLLC

ARCHITECTURE

PLANNING

INTERIORS

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www.marcumengineering.net

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JOB NO. 1509/15561

DATE: 10.8.2015

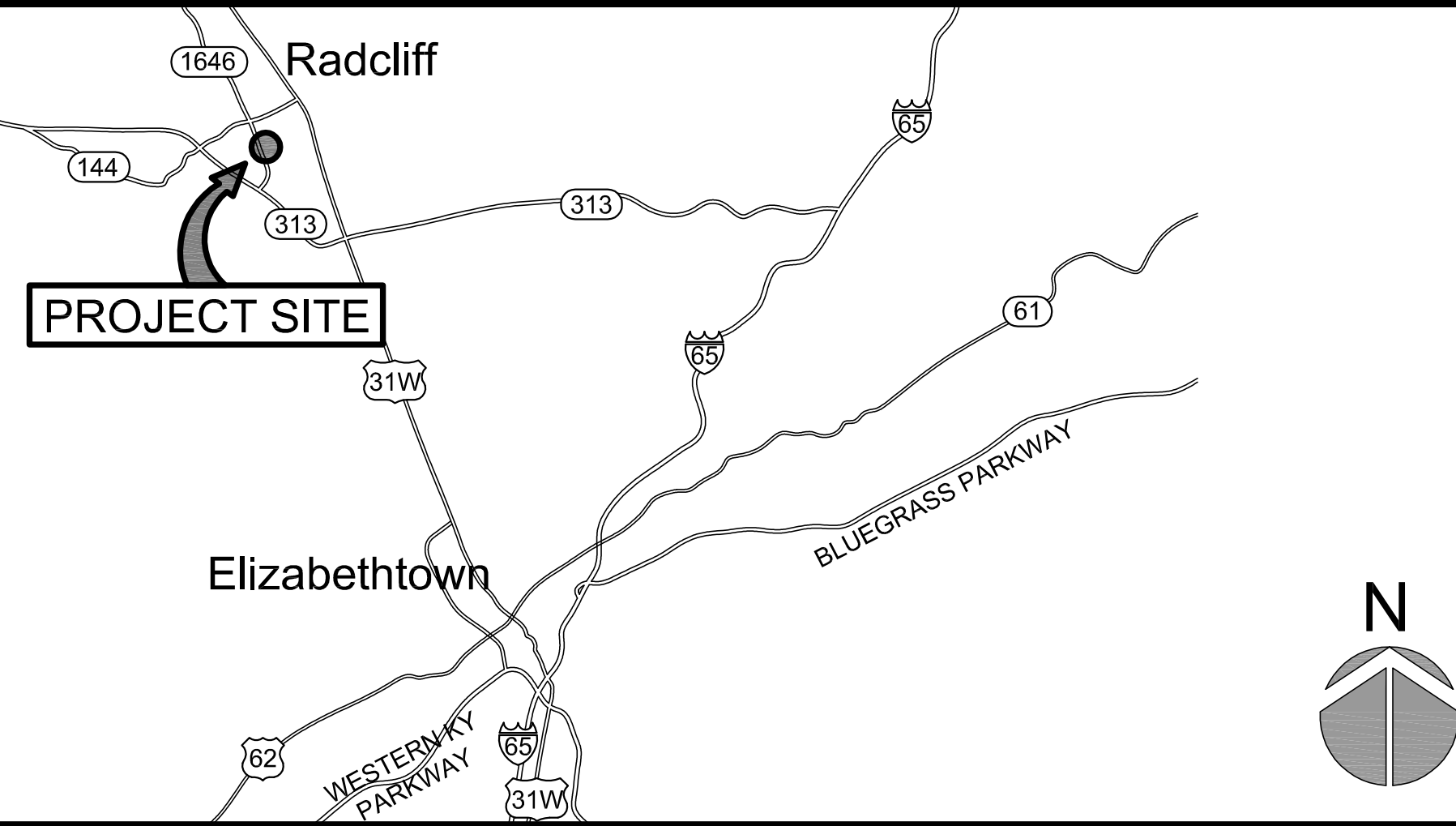
PRODUCED BY: TG

NOTES:

NORTH PARK ELEMENTARY SCHOOL

SECURITY FENCE

1080 SOUTH LOGSDON, RADCLIFF, KENTUCKY 40160
OCTOBER 8, 2015
BG# 15-255

| VICINITY MAP | INDEX TO DRAWINGS | OWNER |
|---|--|--|
|  | <p><u>ARCHITECTURAL</u></p> <p>COVER</p> <p>A1.0 SECURITY FENCE PLAN AND ELEVATIONS</p> <p>A1.1 SECURITY FENCE DETAILS</p> | <p>HARDIN COUNTY BOARD OF EDUCATION 65 W.A. JENKINS ROAD, ELIZABETHTOWN, KENTUCKY 41472 PH: 270.769.8800 FAX: 270.769.8888</p> <p>3399 Tates Creek Road, Suite 250 Lexington, KY 40502 ph: 859.559.0504 fax: 859.559.0523 www.mgtky.com © COPYRIGHT 2015</p> <p>m+g+t MURPHY · GRAVES · TRIMBLE, PLLC ARCHITECTURE PLANNING INTERIORS</p> |

HAZARDOUS MATERIAL NOTES

1. Occupational Safety Health Administration Regulations and Kentucky Industry Regulations) and 29 CFR 1926.58 (Construction Industry Regulations) requires the building owner to identify work place hazards and hazardous materials prior to construction, renovation, or demolition. Murphy + Graves + Trimble PLLC assumes no liability, expresses or implies no or any warranty or guarantee, as to the completeness of the owners or its' consultants due diligence to identify work place hazards or hazardous materials that may be encountered during the Contractors Scope of Work.

2. The National Emissions Standard for Hazardous Air Pollutants 40 CFR 61.140 Subpart M; and 401 KAR 58.025 requires an asbestos inspection prior to commencement of renovation or demolition activities. (Demolition is defined in this regulation as disturbance of any structural building component). OSHA regulations 29 CFR 1910. 1001 (j)(8) and 29 CFR 1926.1101 (k)(5)(ii)(A) requires that the building owner prove a material installed prior to 1989 to be non-asbestos containing prior to disturbance. Murphy + Graves+Trimble PLLC assumes no liability, expresses or implies no or any warranty or guarantee, as to the completeness of the owners or its' consultants due diligence to identify asbestos containing building materials that may be encountered during the Contractors Scope of Work. By execution of the contract documents the Contractor, its' employees and subcontractors agrees to hold harmless, defend, and indemnify the architect, its' principals, agents, consultants, for the Contractors', his employees, and subcontractors failure to comply with this section that results in contamination, Contractors negligence, worker exposure or notice of violation.


3. OSHA Lead in Construction Regulation 29 CFR 1926.62, KOSH § 1926.62 requires that Contractors protect their employees from exposure to lead containing building materials and coatings during construction, renovation or demolition activities. It is the owners' responsibility to identify this hazard. Murphy + Graves+ Trimble PLLC is not responsible for either the owners due diligence or enforcement of the Contractors compliance with this regulation. By execution of the contract documents, the Contractor expresses warrants and guarantees it will perform its' work, including its' sub-contractors, in compliance with this regulation. Further, the Contractor, its' employees and subcontractors agrees to hold harmless, defend, and indemnify the architect, its' principals, agents, consultants, for the Contractors, his employees, and subcontractors failure to comply with this section that results in contamination, worker exposure, or notice of violation.

4. The Contractor, its' employees and subcontractors are to stop work when suspect hazardous conditions or materials are encountered and are instructed to notify Murphy + Graves+ Trimble PLLC immediately at (859) 559-0504 and the owners Environmental Consultant regarding remedial and containment measures. The Contractor is not to proceed with any remedial or response actions without consulting with the owners Environmental Consultant. By execution of the contract documents the Contractor, its' employees and subcontractors agrees to hold harmless, defend, and indemnify the architect, its' principals, agents, consultants, for the Contractors', his employees, and subcontractors failure to comply with this section that results in contamination, Contractors negligence, worker exposure or notice of violation.

5. The Contractor by executing the contract documents agrees that he has been informed of the work place hazards and hazardous materials involved in his Scope of Work and further agrees that it will comply with all applicable codes, safety regulations and environmental regulations. It is further agreed, that by execution of the contract documents the Contractor, its' employees and subcontractors agrees to hold harmless, defend, and indemnify the architect, its' principals, agents, consultants, for the Contractors, his employees, and subcontractors failure to comply with all applicable codes, safety regulations and environmental regulations and any subsequent litigation that may result.

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By execution of the contract documents the Contractor agrees it shall bring no claims for negligence, breach of contract, indemnity, or any litigation relating to hazardous conditions or hazardous materials against Murphy + Graves + Trimble PLLC, it principals, agents, or consultants.



SHEET TITLE: CONSTRUCTION DOCUMENTS

JOB NAME: NORTH PARK ELEMENTARY SCHOOL SECURITY FENCE

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DATE: 10.8.2015

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SHEET NUMBER:

COVER

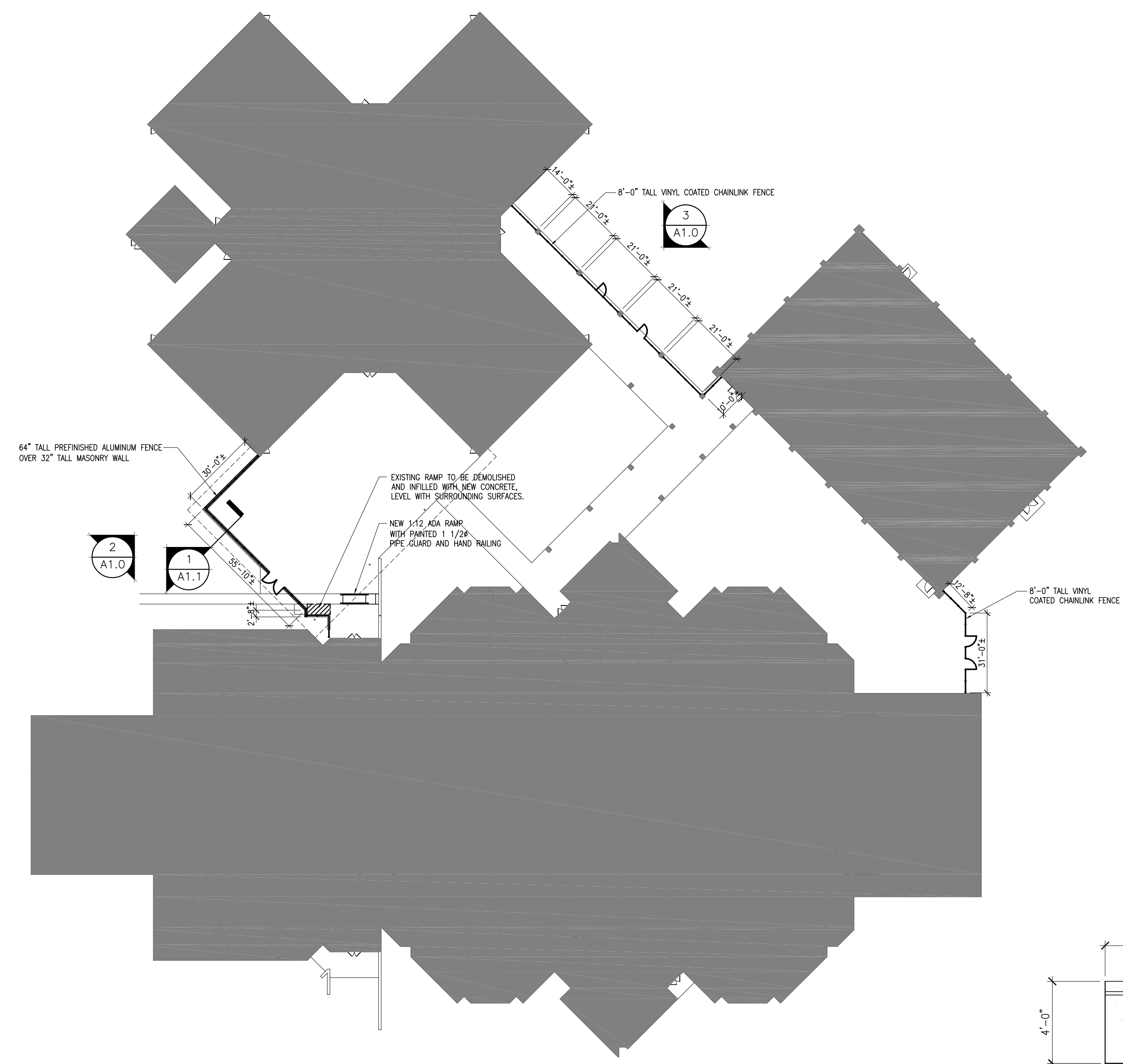


SHEET TITLE:
SECURITY FENCE PLAN AND ELEVATIONS
JOB NAME:
**NORTH PARK ELEMENTARY SCHOOL
SECURITY FENCE**

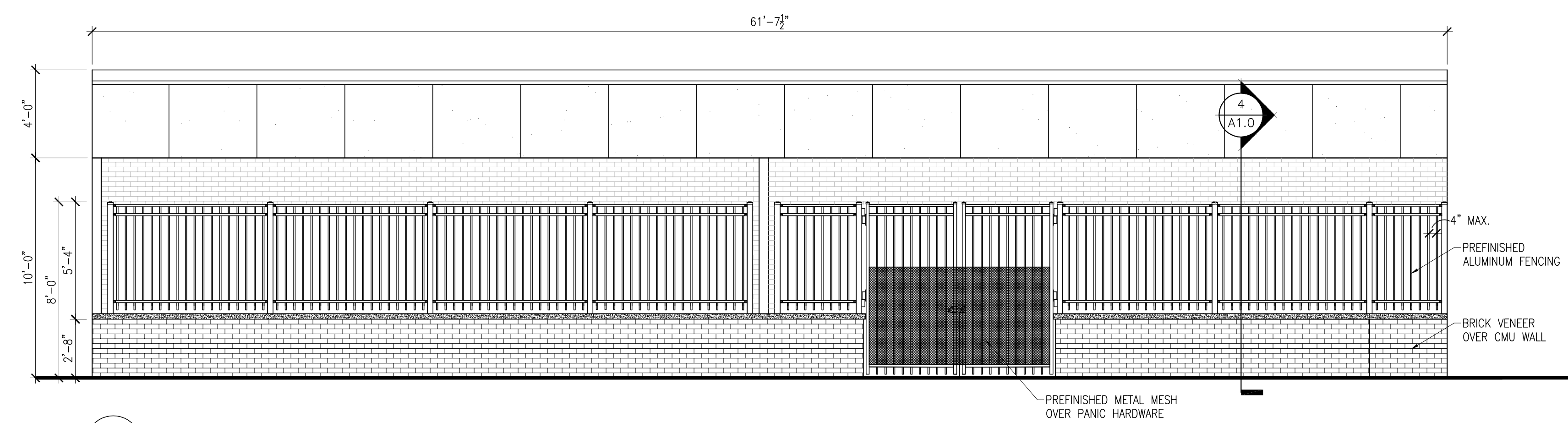
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| DATE: | 10.8.2015 |
| PRODUCED BY: | INITIALS |
| NOTES: | |
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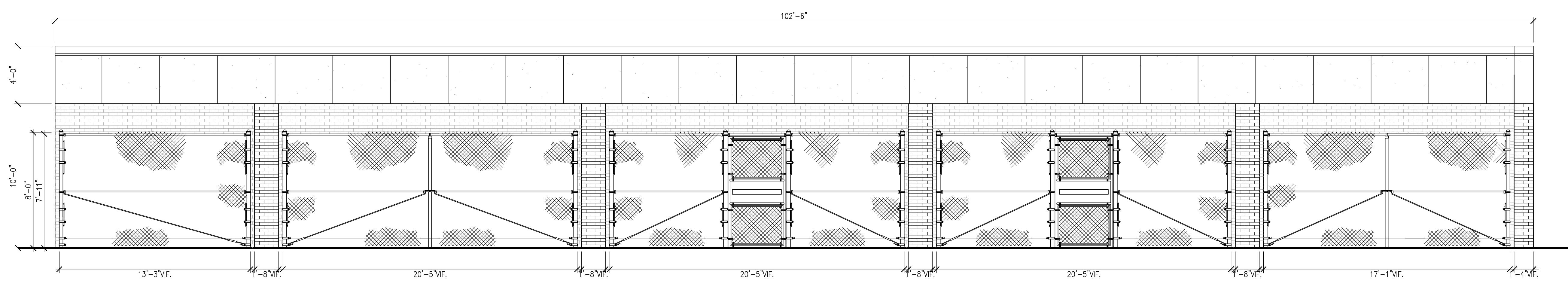
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A1.0



1 NORTH PARK ELEMENTARY CAMPUS PLAN
1/32"=1'-0"



3 ELEVATION
1/4"=1'-0"

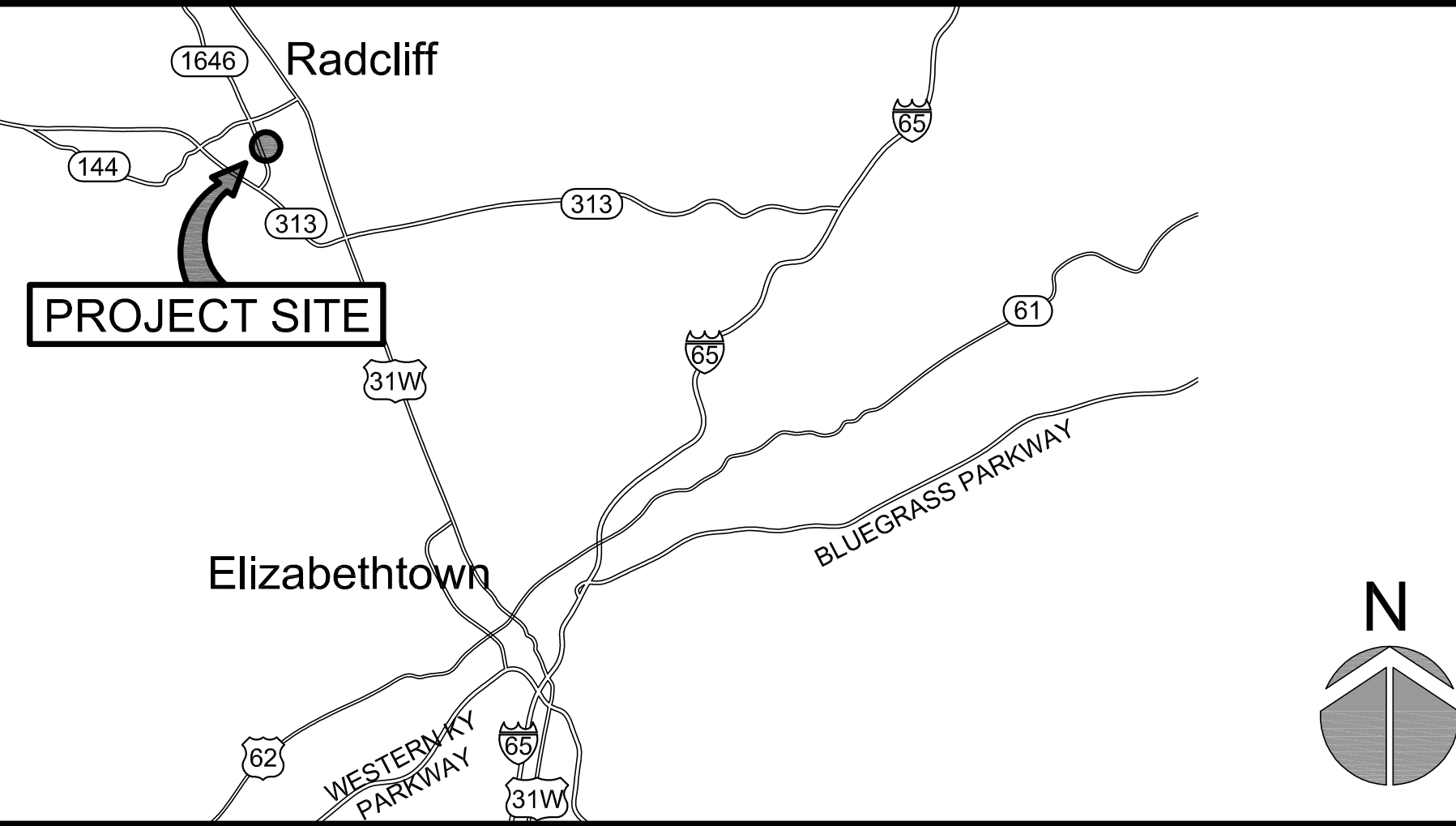


4 ELEVATION
1/4"=1'-0"

NORTH PARK ELEMENTARY SCHOOL


ENTRY VESTIBULE

1080 SOUTH LOGSDON, RADCLIFF, KENTUCKY 40160
OCTOBER 8, 2015
BG# 15-255

| VICINITY MAP | INDEX TO DRAWINGS | OWNER |
|---|---|--|
|  | <p><u>ARCHITECTURAL</u></p> <p>COVER</p> <p>A1.0 DEMOLITION PLAN, NEW WORK PLAN, DOOR SCHEDULE HOLLOW METAL FRAMES & DOOR / WINDOW DETAILS</p> <p>ME1.0 MECHANICAL ELECTRICAL PLANS</p> | <p>HARDIN COUNTY BOARD OF EDUCATION 65 W.A. JENKINS ROAD, ELIZABETHTOWN, KENTUCKY 41472 PH: 270.769.8800 FAX: 270.769.8888</p> <p>3399 Tates Creek Road, Suite 250 Lexington, KY 40502 ph: 859.559.0504 fax: 859.559.0523 www.mgtky.com © COPYRIGHT 2015</p> <p>m+g+t MURPHY · GRAVES · TRIMBLE, PLLC ARCHITECTURE PLANNING INTERIORS</p> |

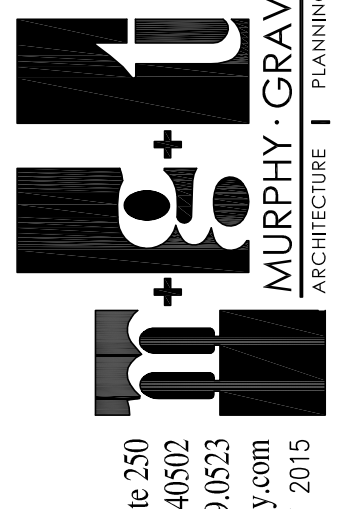
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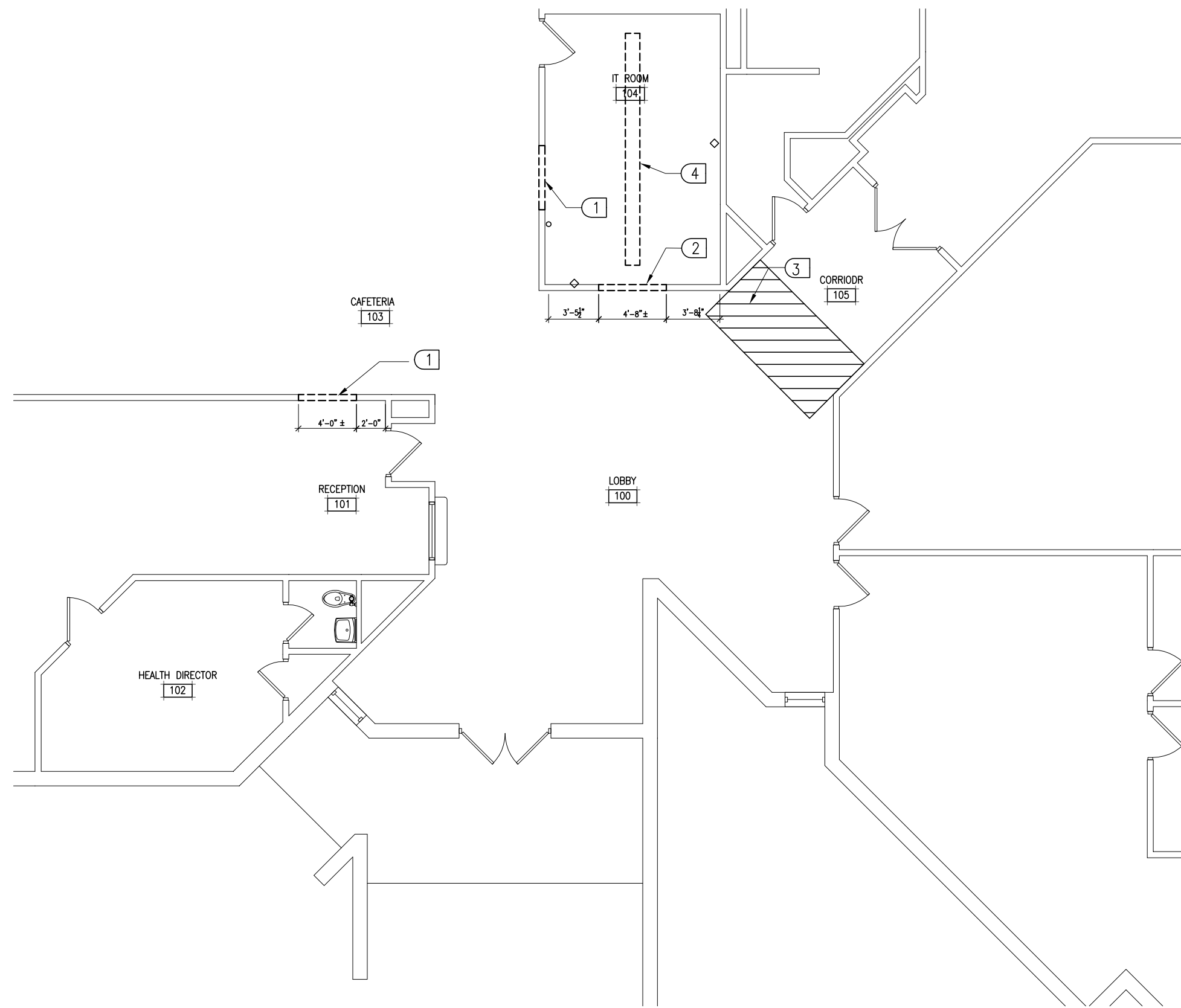
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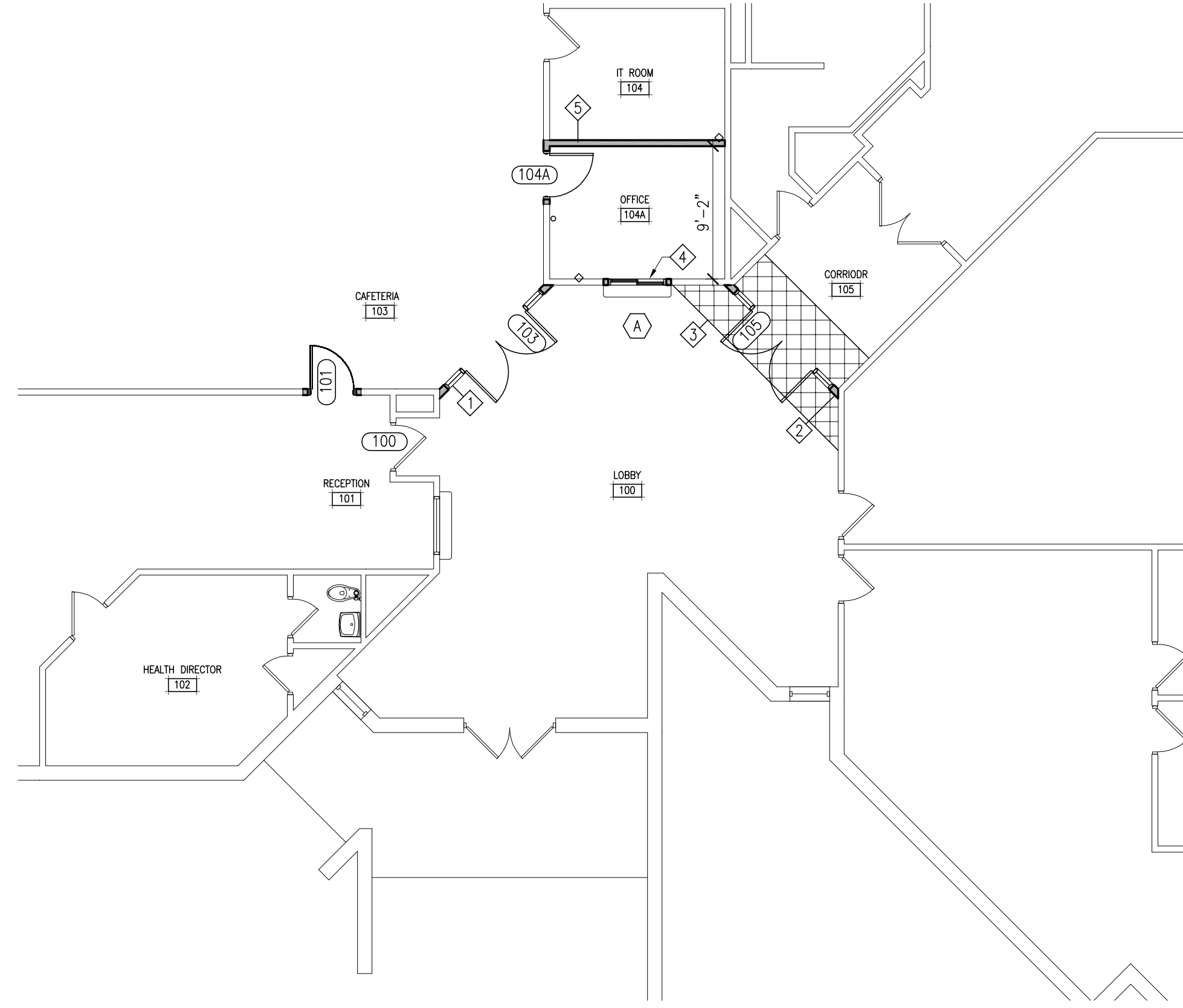
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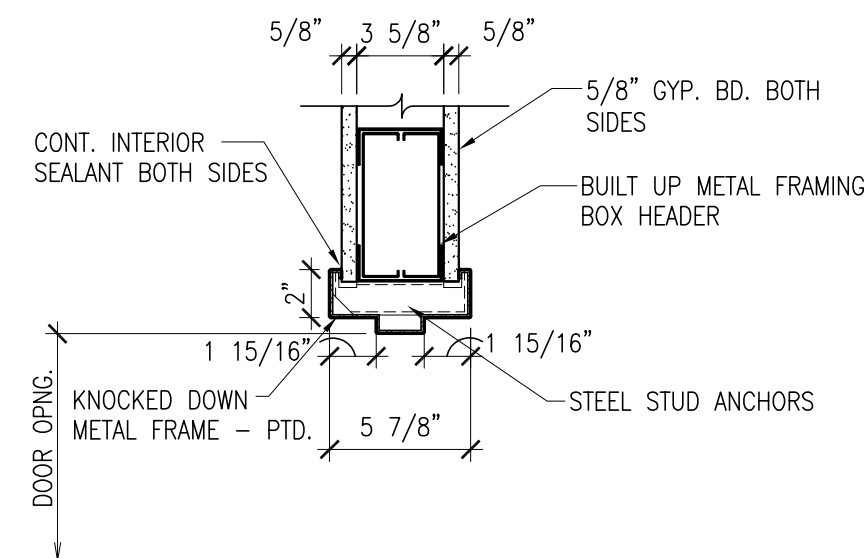
COVER



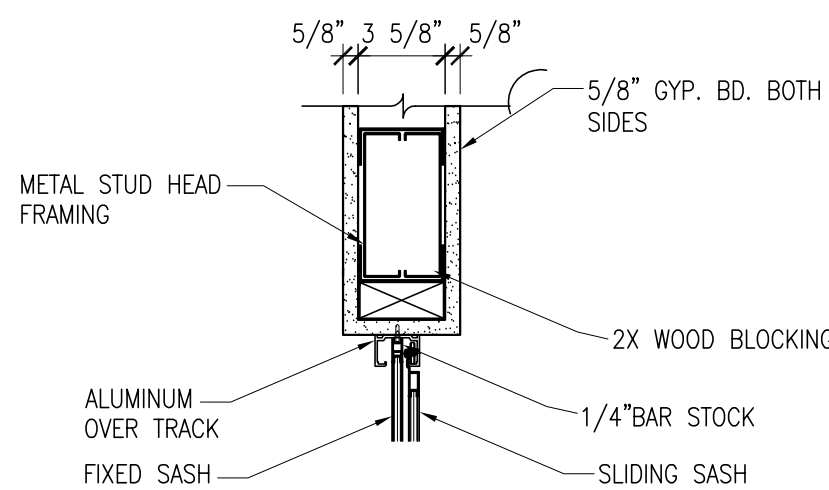
1 ENTRANCE VESTIBULE DEMOLITION PLAN
1/8"=1'-0"



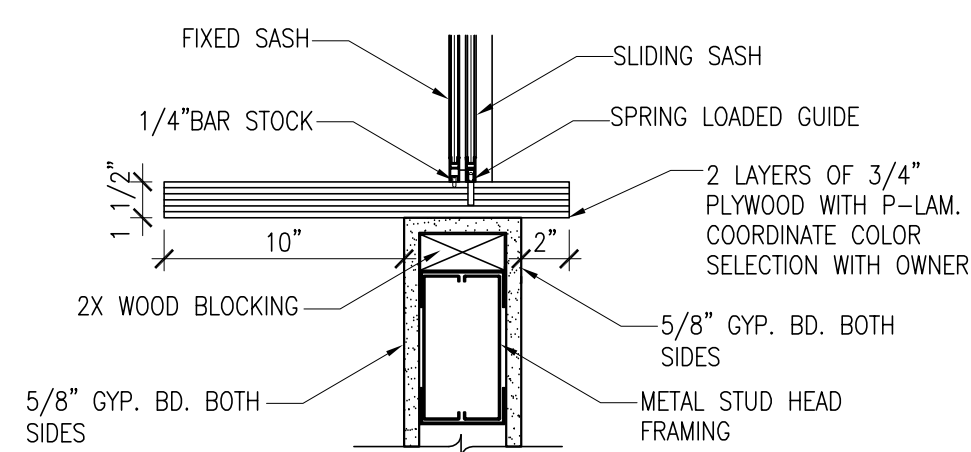
2 ENTRANCE VESTIBULE NEW WORK PLAN
1/8"=1'-0"



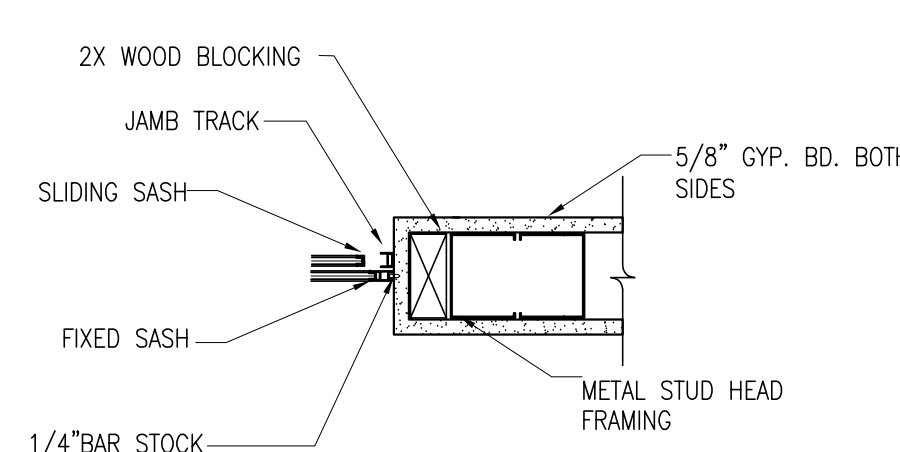
3 HM. DOOR HEAD DETAIL (JAMB SIDE)
1-1/2"=1'-0"



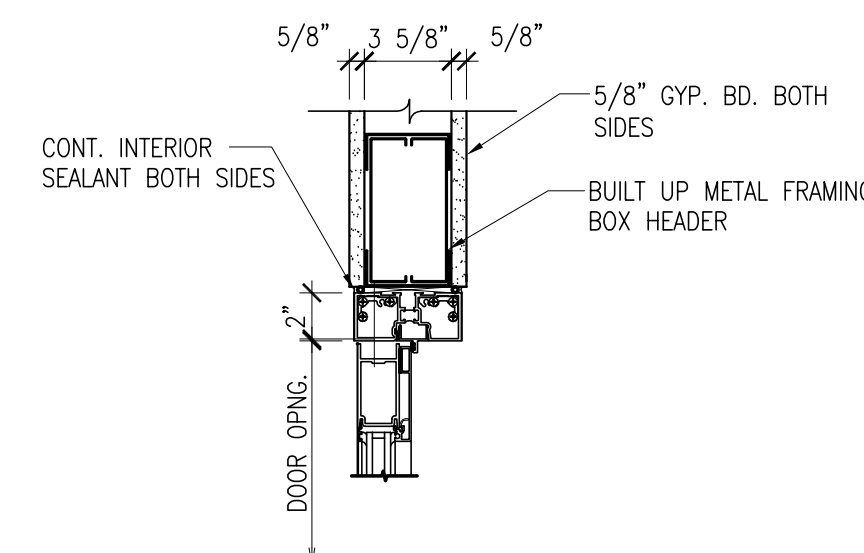
4 PASS-THRU WINDOW HEAD DETAIL
1-1/2"=1'-0"



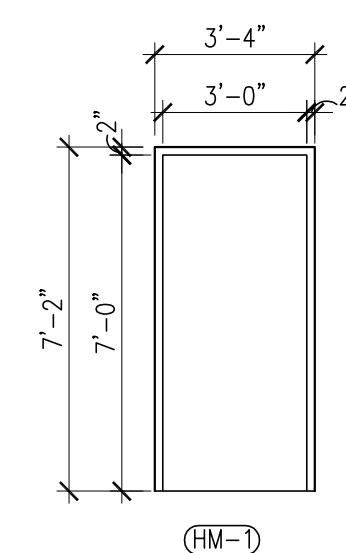
5 SLIDING WINDOW SILL DETAIL
1-1/2"=1'-0"



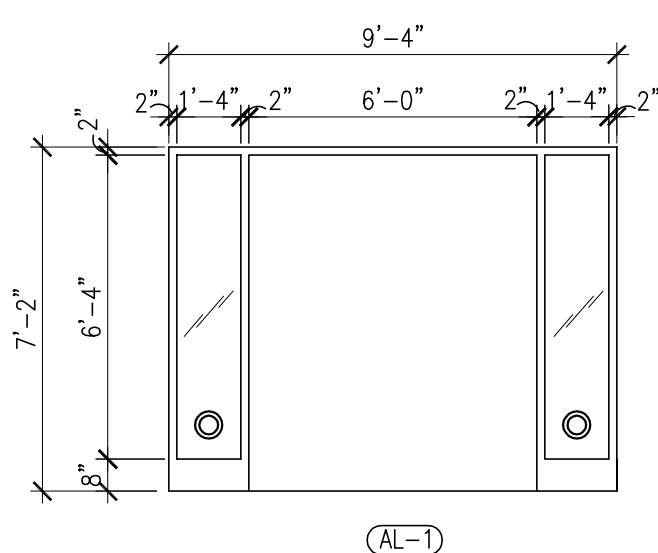
6 PASS-THRU WINDOW JAMB DETAIL
1-1/2"=1'-0"



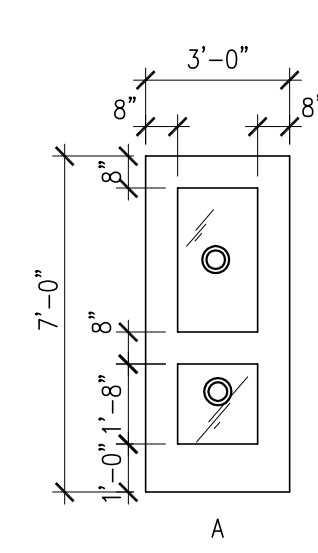
7 ALUM. DOOR HEAD DETAIL (JAMB SIDE)
1-1/2"=1'-0"



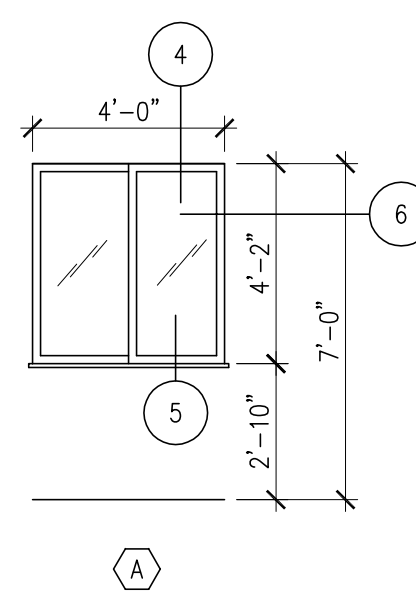
HM DOOR FRAME TYPES
1/4"=1'-0"



HM DOOR FRAME TYPES
1/4"=1'-0"



DOOR TYPES
1/4"=1'-0"



WINDOW TYPE
1/4"=1'-0"

| DOOR AND FRAME SCHEDULE | | | | | | | | | | | | |
|---|----------|-------------|-------|------|---------------|--------|---|------|-------------|-------------|---------------|---------|
| NO. | DOOR | | | | | | FRAME | | | | LOCATION | REMARKS |
| | NO. LVS. | SIZE | MATL. | TYPE | GLAZING | RATING | MATL. | TYPE | HEAD DETAIL | JAMB DETAIL | | |
| 101 | 1 | 3'-0"x7'-0" | WD | A | 1/4" TEMPERED | - | HM | HM-1 | 3/A1.0 | 3/A1.0 | RECEPTION 101 | |
| 103 | 2 | 3'-0"x7'-0" | ALUM | A | 1/4" TEMPERED | - | ALUM | AL-1 | 7/A1.0 | 7/A1.0 | CAFETERIA 103 | 1 |
| 104A | 1 | 3'-0"x7'-0" | WD | A | 1/4" TEMPERED | - | HM | HM-1 | 3/A1.0 | 3/A1.0 | OFFICE 104A | |
| 105 | 2 | 3'-0"x7'-0" | ALUM | A | 1/4" TEMPERED | - | ALUM | AL-1 | 7/A1.0 | 7/A1.0 | CORRIDOR 105 | 1 |
| REMARKS | | | | | | | GENERAL DOOR SCHEDULE NOTES: | | | | | |
| 1. EXIT ONLY HARDWARE @ PUSH SIDE OF DOOR | | | | | | | DN1 REFER TO THIS SHEET FOR TYPICAL THRESHOLD CONDITIONS. DN2 ALL HOLLOW METAL FRAMES TO BE PAINTED. COORDINATE COLOR WITH OWNER | | | | | |

GENERAL NOTES

- GN1. CONTRACTOR IS RESPONSIBLE TO PATCH AND/ OR REPAIR, HOLES, JOINTS, CRACKS, OPENINGS, ETC. IN EXISTING CONSTRUCTION TO BE EXPOSED, RESULTING FROM DEMOLITION AND/ OR INSTALLATION OF NEW CONSTRUCTION WITH APPROPRIATE AND/ OR SIM. MATERIAL THAT MATCHES THE COLOR (PTD) AND TEXTURE OF THE ADJACENT MATERIALS. ALL PATCHED SURFACES TO RESULT IN A INSTALLATION OF NEW FINISHES TO MATCH ADJACENT SURFACES OF NEW SCHEDULED FINISHES.
- GN2. CONTRACTOR SHALL PROVIDE TEMPORARY SHORING AND BRACING FOR EXISTING STRUCTURE DURING DEMOLITION REQUIRED TO COMPLETE WORK.
- GN3. THE INTENT OF THE DEMOLITION PLANS AND DEMOLITION NOTES IS TO PROVIDE A GENERAL OUTLINE FOR THE CONTRACTOR OF ITEMS TO BE REMOVED AND/OR TURNED OVER TO THE OWNER AND TO ALLOW FOR THE NEW CONSTRUCTION AS OUTLINED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION AND REMOVAL OF ITEMS SHOWN OR NOT SHOWN ON THE DEMOLITION PLANS TO ALLOW FOR NEW CONSTRUCTION.
- GN4. REMOVE ALL SCREWS, NAME PLATES, ETC... FROM FACES OF ALL DOORS.
- GN5. ALL ACCESSORIES RELATED TO ITEMS TO DEMOLISHED (I.E. ANCHOR SUPPORTS, TRIM PIECES, ETC.) SHALL ALSO BE REMOVED.
- GN6. REMOVE ALL NON-SYSTEMS WALL OBSTRUCTIONS INCLUDING BUT NOT LIMITED TO SCREWS, NAILS, COAT HOOKS, PENCIL SHARPENERS & CLOCKS
- GN7. ALL AREAS LEFT EXPOSED AS A RESULT OF DEMOLITION ARE TO BE PATCHED AND REPAIRED TO RESULT IN A FINISH SMOOTH SURFACE PROPERLY PREPARED FOR INSTALLATION OF NEW FINISHES.
- GN8. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS SHOWN ON THIS PLAN AND COORDINATE NEW WORK ACCORDINGLY.
- GN9. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND PERIPHERAL DEMOLITION REQUIRED TO COMPLETE THE WORK.
- GN10. FLOOR FINISH TRANSITIONS OCCUR AT MID-POINT OF DOOR FRAME U.N.O. ON FINISH PLANS
- GN11. ALL DIMENSIONS ARE TO FACE OF STUDS OR FACE OF CMU.
- GN12. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS.
- GN13. ALL WD AND WD BLOCKING, INCLUDING FRT BLKG, SHALL BE PRESSURE-TREATED WHERE BLOCKING IS IN CONTACT W/ MASONRY OR CONCRETE.
- GN14. PROVIDE DRYWALL CORNER BEADS TYP. @ ALL EXPOSED CORNERS.
- GN15. ALL FURNITURE REPRESENTED BY A DASHED LINE IS OWNER PROVIDED.

DEMOLITION PLAN KEYNOTES

- EXISTING GYPSUM BOARD WALL TO BE DEMOLISHED TO RECEIVE NEW DOOR AND HOLLOW METAL FRAME. DEMOLISH WALL BEYOND WINDOW EXTENTS AS REQUIRED TO PROVIDE NEW EXISTING FRAME
- EXISTING GYPSUM BOARD WALL TO BE DEMOLISHED TO RECEIVE NEW SLIDING WINDOW. DEMOLISH WALL BEYOND WINDOW EXTENTS AS REQUIRED TO PROVIDE NEW EXISTING FRAME
- HATCHED AREA INDICATE EXISTING ACT CEILING AND GRID TO BE DEMOLISHED FOR CONSTRUCTION OF NEW WALL. COORDINATE EXTENT OF DEMOLITION IN FIELD.
- EXISTING LIGHT FIXTURE TO BE DEMOLISHED

NEW WORK PLAN KEYNOTES

- NEW 3 5/8" METAL STUD FRAMING TO UNDERSIDE OF EXISTING BULKHEAD, WITH 5/8" GYPSUM BOARD EACH SIDE, PTD.
- NEW 3 5/8" METAL STUD FRAMING TO UNDERSIDE OF EXISTING ROOF JOISTS, WITH 5/8" GYPSUM BOARD EACH SIDE, PTD.
- NEW ACT CEILING AND GRID AS REQUIRED. ALIGN WITH EXISTING
- PASS THRU WINDOW SEE DEATILS 4/A1.0, 5/A1.0, 6/A1.0
- NEW 3 5/8" METAL STUD FRAMING TO UNDERSIDE OF EXISTING HARD CEILING, WITH 5/8" GYPSUM BOARD EACH SIDE, PTD.



SHEET TITLE:
**DEMOLITION PLAN, NEW WORK PLAN, DOOR SCHEDULE
HOLLOW METAL FRAMES & DOOR / WINDOW DETAILS**

JOB NAME:
**NORTH PARK ELEMENTARY SCHOOL
ENTRY VESTIBULE**

MURPHY • GRAVES • TRIMBLE, PLLC
ARCHITECTURE | PLANNING | INTERIORS

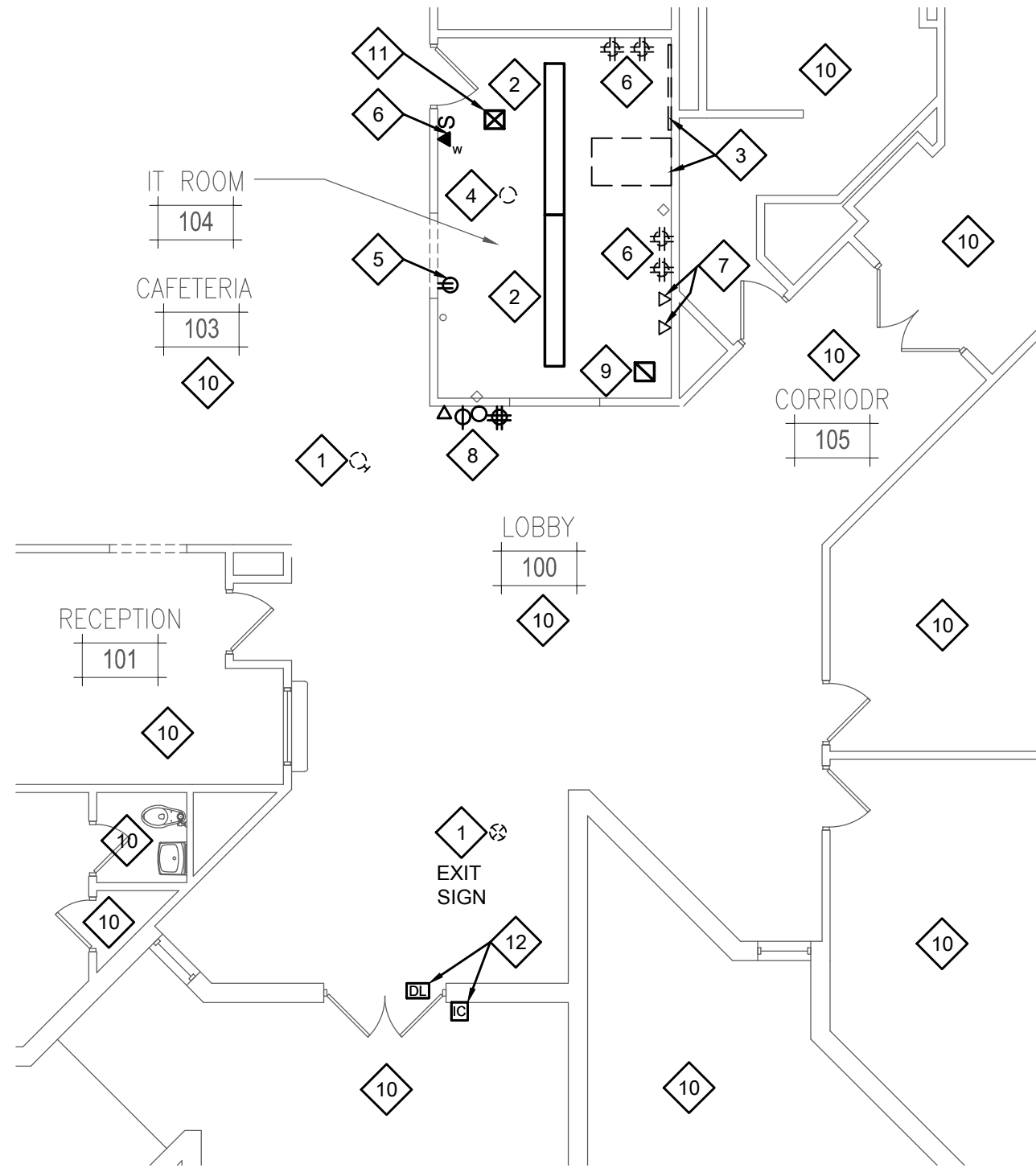
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JOB NO. 1509
DATE: 09.24.2015
PRODUCED BY: MWS, AF
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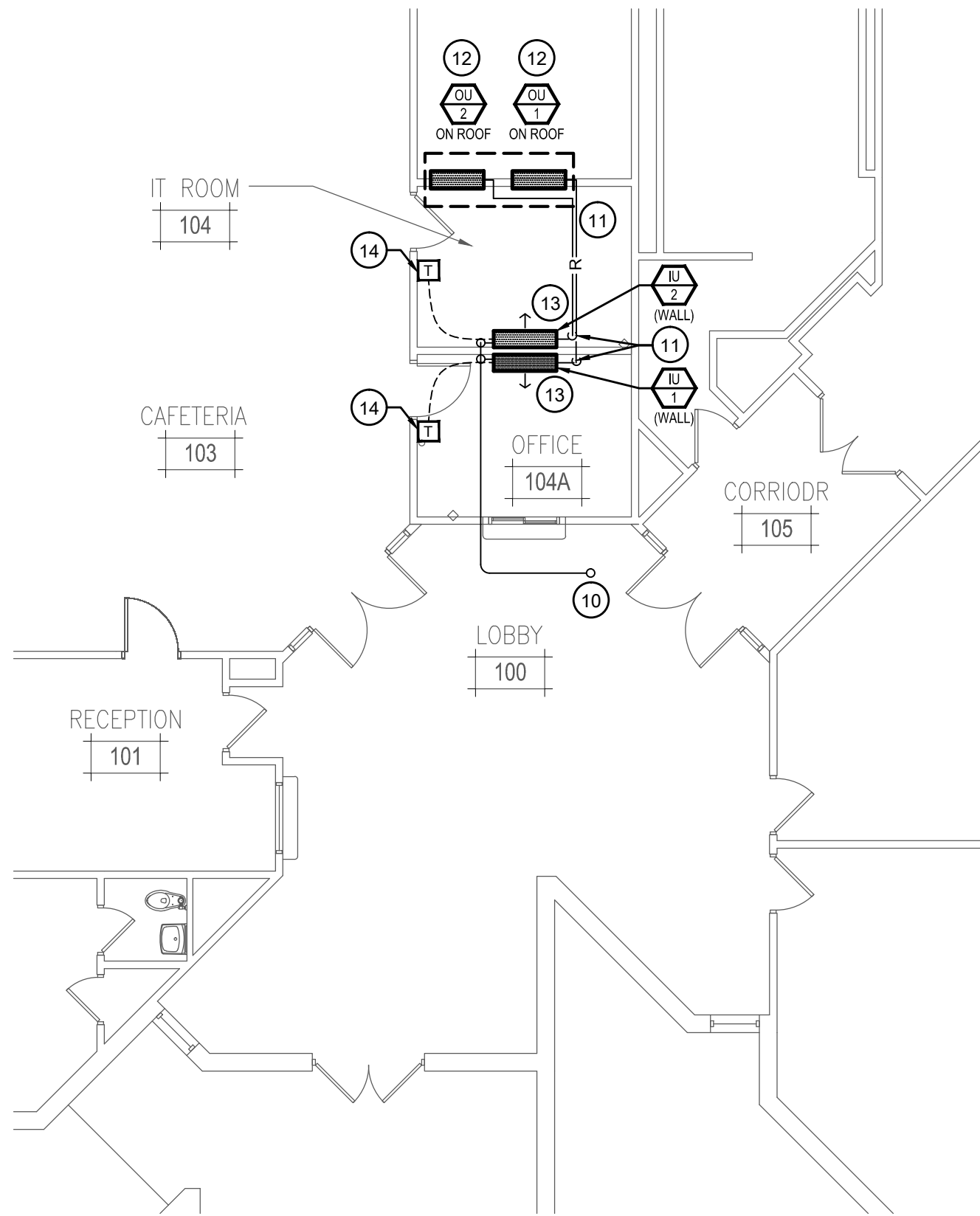
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| MECHANICAL NOTES | |
|------------------|---|
| 1. | ALL WORK SHALL BE IN ACCORDANCE WITH THE KENTUCKY BUILDING CODE, INTERNATIONAL MECHANICAL CODE, AND OTHER LOCAL, STATE, NATIONAL CODES/STANDARDS THAT APPLY. |
| 2. | CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING A HVAC PERMIT, COORDINATING ALL INSPECTIONS, AND PAYING ALL ASSOCIATED FEES. |
| 3. | EACH CONTRACTOR MUST VISIT THE SITE PRIOR TO BIDDING IN ORDER TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS. ANY DISCREPANCIES OR QUESTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER NINE (9) DAYS PRIOR TO THE BID DATE. |
| 4. | THESE PLANS ARE SCHEMATIC IN NATURE AND INDICATE THE APPROXIMATE AND GENERAL LOCATION OF DUCTWORK, EQUIPMENT, AND/OR PIPING. COORDINATE INSTALLATION OF WORK WITH OTHER DRAWINGS AND TRADES. |
| 5. | VERIFY ALL DIMENSIONS BEFORE FABRICATION AND/OR INSTALLATION. |
| 6. | REMOVE AND REPLACE CEILING TILES AND/OR GRID AS REQUIRED TO INSTALL WORK. ANY DAMAGED TILE OR GRID SHALL BE REPLACED. |
| 7. | FLASH AND SEAL ALL ROOF, FLOOR, AND WALL PENETRATIONS. |
| 8. | PATCH ALL WALLS, FLOORS, CEILINGS, ETC. THAT ARE ALTERED BECAUSE OF WORK REQUIRED. |
| 9. | INSTALL A CONDENSATE TRAP AND DRAIN LINE FOR ALL EQUIPMENT REQUIRING A DRAIN. THE DRAIN SIZE (AT A MINIMUM) SHALL BE EQUAL TO THE UNITS' CONNECTION SIZE BUT IN NO CASE SHALL BE LESS THAN 1" DIAMETER. FABRICATE TRAP TO MAINTAIN TOTAL FAN STATIC PRESSURE. |
| 10. | INSULATE INDOOR CONDENSATE DRAIN PIPING WITH FLEXIBLE ELASTOMERIC THERMAL INSULATION. |
| 11. | INSULATE ALL REFRIGERANT PIPING WITH FLEXIBLE ELASTOMERIC THERMAL INSULATION. LINES LOCATED OUTDOORS SHALL BE INSULATED AND JACKETED WITH ALUMAGUARD 60 BY POLYGUARD PRODUCTS (OR EQUAL). PROPERLY SUPPORT PIPING WITH UNISTRUT SYSTEMS. |
| 12. | CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE AND PROPER INSTALLATION OF THERMOSTATS AND ALL OTHER FIELD MOUNTED CONTROL COMPONENTS. THE HVAC EQUIPMENT MANUFACTURER SHALL FURNISH COMPLETE WIRING DIAGRAMS TO THE INSTALLER FOR USE IN WIRING CONTROLS. A |
| 13. | PER ADA STANDARDS, TOP OF THERMOSTATS AND SIMILAR CONTROLS SHALL BE MOUNTED AT 48" (MAXIMUM) ABOVE THE FINISHED FLOOR. |

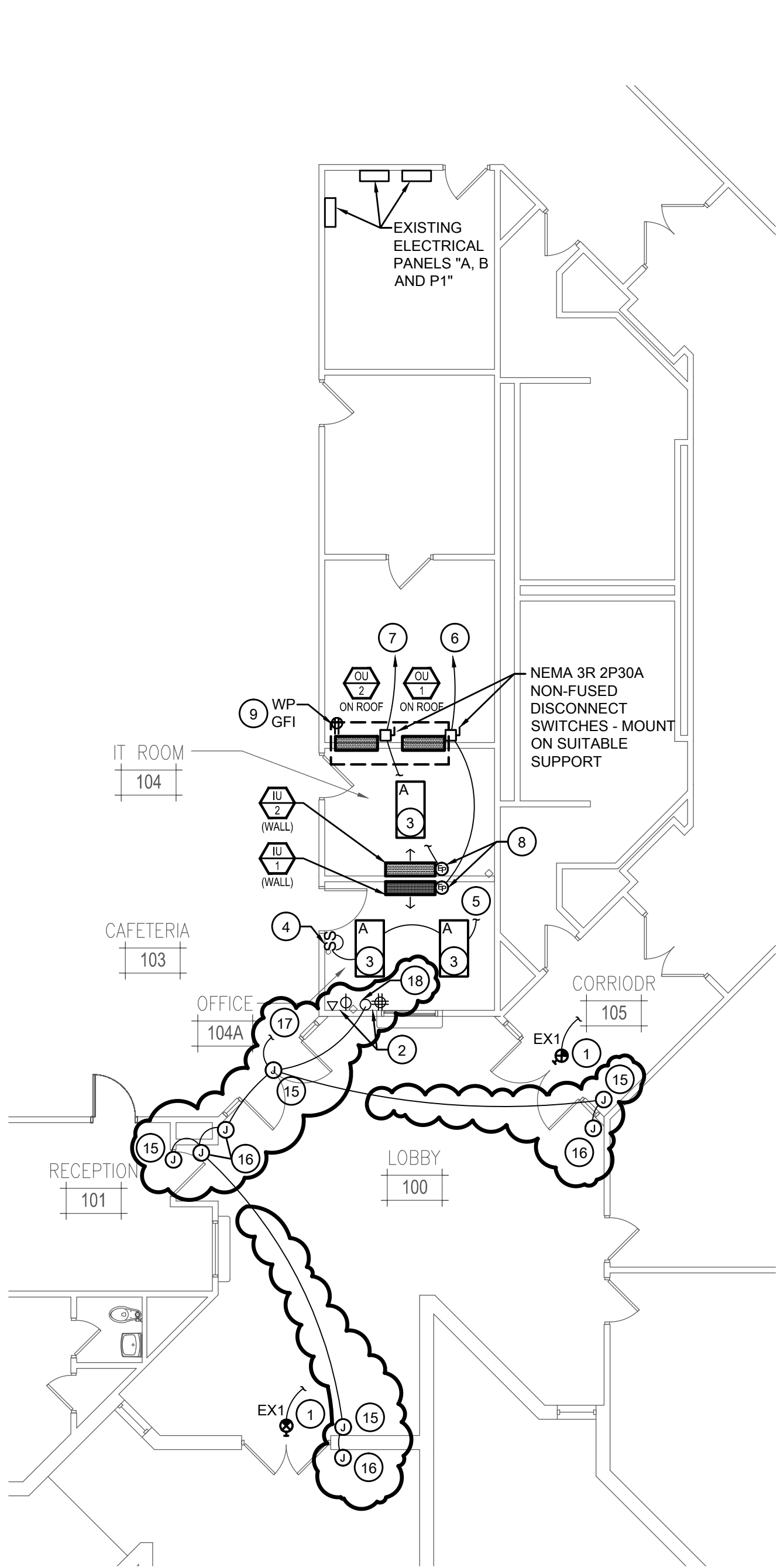


PLAN NORTH
MECHANICAL-ELECTRICAL DEMO PLAN
SCALE: 1/8" = 1'-0"

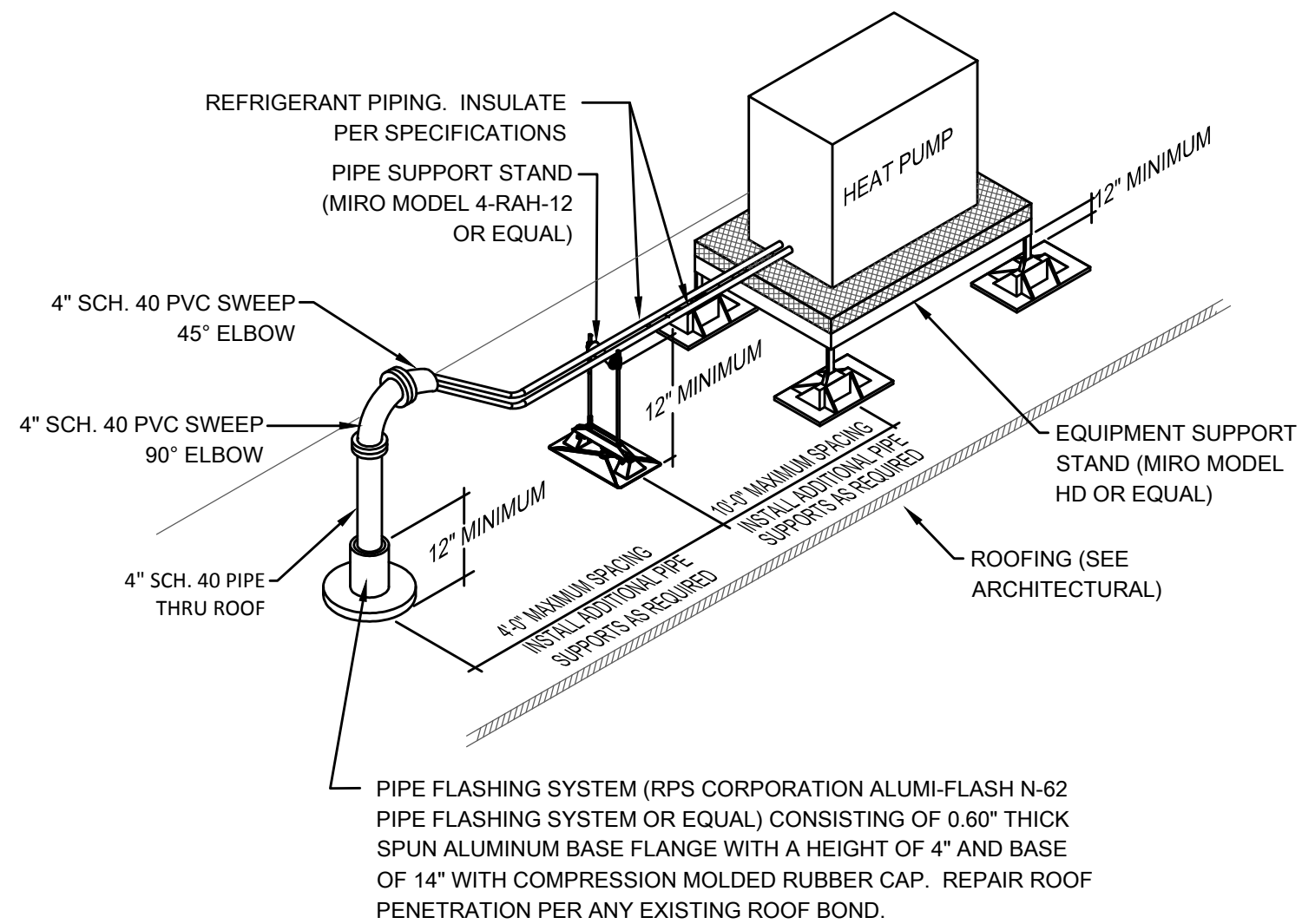
| DEMOLITION NOTES | |
|--------------------------------|---|
| (APPLIES TO THIS DRAWING ONLY) | |
| 1 | EXISTING LIGHT FIXTURE TO REMAIN AND BE LEFT ACTIVE. |
| 2 | EXISTING LIGHT FIXTURE TO BE DISCONNECTED AND REMOVED - PATCH CEILING. |
| 3 | EXISTING DATA RACK AND CONNECTIONS TO REMAIN. |
| 4 | EXISTING FIRE ALARM DEVICE TO REMAIN. |
| 5 | EXISTING RECEPTACLE TO BE DISCONNECTED AND REMOVED. REMOVE WIRING BACK TO NEAREST J-BOX ABOVE CEILING AND CAP OFF WIRING. |
| 6 | EXISTING WIRING DEVICE TO REMAIN AND BE LEFT ACTIVE. |
| 7 | EXISTING COMMUNICATIONS OUTLETS TO REMAIN AND BE LEFT ACTIVE. |
| 8 | EXISTING COMMUNICATION OUTLETS, RECEPTACLES AND AL-PHONE CONNECTIONS TO BE RELOCATED AS INDICATED BY CONSTRUCTION NOTES - PATCH WALL. |
| 9 | EXISTING EXHAUST FAN TO BE DISCONNECTED AND REMOVED IN ITS ENTIRETY. CAP DUCTWORK AIR-TIGHT ABOVE CEILING AND INSULATE - PATCH CEILING. |
| 10 | ALL EXISTING MECHANICAL AND ELECTRICAL SYSTEMS IN THIS AREA SHALL REMAIN AND BE LEFT ACTIVE. |
| 11 | EXISTING AIR GRILLE SHALL BE REMOVED AND DUCTWORK CAPPED ABOVE CEILING AIR-TIGHT. INSULATE DUCT AND PATCH CEILING. |
| 12 | EXISTING ELECTRIC STRIKE AND AL-PHONE DOOR STATION TO REMAIN AND BE LEFT ACTIVE. |



PLAN NORTH
MECHANICAL FLOOR PLAN
SCALE: 1/8" = 1'-0"

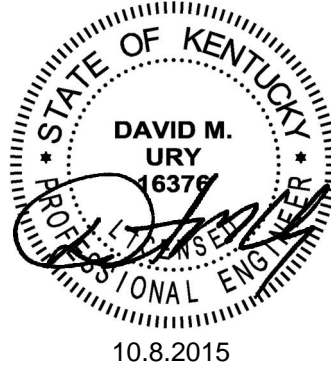


PLAN NORTH
ELECTRICAL FLOOR PLAN
SCALE: 1/8" = 1'-0"



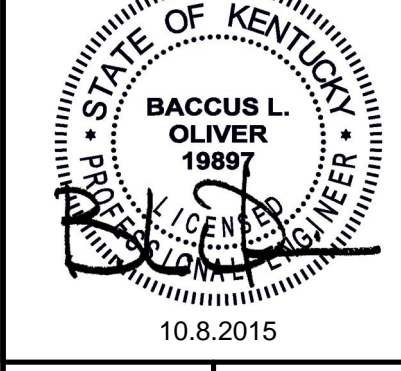
**SPLIT HVAC ROOFTOP EQUIPMENT SUPPORT
REFRIGERANT PIPING ROOF PENETRATION DETAIL**
NO SCALE

| DUCTLESS SPLIT HEAT PUMP SYSTEM EQUIPMENT SCHEDULE | | | | | | | | | | | | | | | | | | |
|--|--------|--------------|-------------|-------------|---------------------------|-------------------|------------------------------|------|------------------------------|------|-------------------|--------|--------------|---------------------------|-----------------|------------|-------------|-------------------------|
| INDOOR UNIT MARK | MFG. | MODEL NUMBER | DESCRIPTION | AREA SERVED | APPROX UNIT WEIGHT (LBS.) | MAX AIRFLOW (CFM) | TOTAL COOLING CAPACITY (MBH) | SEER | TOTAL HEATING CAPACITY (MBH) | HSPF | OUTDOOR UNIT MARK | MFG. | MODEL NUMBER | APPROX UNIT WEIGHT (LBS.) | VOLTAGE / PHASE | MCA (AMPS) | MOCP (AMPS) | REMARKS AND ACCESSORIES |
| IU-1 | DAIKIN | MSZFE09 | WALL MOUNT | OFFICE 104A | 35 | 381 | 9.0 | 26.0 | 10.9 | 10.0 | OU-1 | DAIKIN | MUZF09 | 100 | 208V / 1Ø | 12.0 | 15 | 1-7, 9-14 |
| IU-2 | DAIKIN | MSZD36 | WALL MOUNT | IT ROOM 104 | 50 | 887 | 33.2 | 14.5 | 35.2 | 8.2 | OU-2 | DAIKIN | MUZD36 | 150 | 208V / 1Ø | 21.0 | 25 | 1-14 |
| REMARKS AND ACCESSORIES: | | | | | | | | | | | | | | | | | | |
| 1. PROVIDE UNIT WITH AT MINIMUM ONE (1) YEAR PARTS WARRANTY, ONE (1) YEAR LIMITED-LABOR WARRANTY, AND FIVE (5) YEAR EXTENDED COMPRESSOR WARRANTY. | | | | | | | | | | | | | | | | | | |
| 2. COOLING CAPACITIES BASED ON 95°F AMBIENT AIR TEMPERATURE AND 80°Fdb/67°Fwb INDOOR AIR TEMPERATURE. HEATING CAPACITIES BASED ON 47°Fdb AMBIENT AIR TEMPERATURE AND 70°Fdb/60°Fwb INDOOR AIR TEMPERATURE. | | | | | | | | | | | | | | | | | | |
| 3. MAINTAIN MANUFACTURER'S MINIMUM RECOMMENDED CLEARANCES. | | | | | | | | | | | | | | | | | | |
| 4. FURNISH AND INSTALL REFRIGERANT PIPING SIZED AND ROUTED PER THE MANUFACTURER'S RECOMMENDATIONS. | | | | | | | | | | | | | | | | | | |
| 5. PROVIDE UNIT WITH WASHABLE, ANTI-MICROBIAL, LONG-LIFE AIR FILTER. | | | | | | | | | | | | | | | | | | |
| 6. PROVIDE UNIT WITH FULL R-410A REFRIGERANT CHARGE. | | | | | | | | | | | | | | | | | | |
| 7. INDOOR UNIT SHALL BE POWERED BY OUTDOOR UNIT. | | | | | | | | | | | | | | | | | | |
| 8. PROVIDE UNIT WITH LOW AMBIENT KIT CAPABLE OF OPERATION TO 0° F db. | | | | | | | | | | | | | | | | | | |
| 9. PROVIDE UNIT WITH MANUFACTURER'S WIRED, WALL MOUNTED LED DISPLAY CAPABLE OF CONTROLLING ALL UNIT FUNCTIONS. | | | | | | | | | | | | | | | | | | |
| 10. PROVIDE UNIT WITH LINESET COVER SYSTEM TO CONCEAL ALL PIPING, POWER, AND CONTROLS. | | | | | | | | | | | | | | | | | | |
| 11. UNIT SHALL BE EQUIPPED WITH REVERSING VALVE FOR HEAT PUMP OPERATION. | | | | | | | | | | | | | | | | | | |
| 12. PROVIDE UNIT WITH INTERNAL CONDENSATE PUMP POWERED BY THE INDOOR UNIT. | | | | | | | | | | | | | | | | | | |
| 13. PROVIDE UNIT WITH MANUFACTURER'S START-UP AND CERTIFIED REPORT FOR ENGINEER'S REVIEW AND APPROVAL. INSTALLING CONTRACTOR START-UP IS NOT ACCEPTABLE. | | | | | | | | | | | | | | | | | | |
| 14. PROVIDE UNIT WITH 12" TALL EQUIPMENT STAND SUITABLE FOR ROOF MOUNTING (MIRO HD OR EQUAL). | | | | | | | | | | | | | | | | | | |
| DAIKIN, LG, MITSUBISHI OR APPROVED EQUAL. | | | | | | | | | | | | | | | | | | |



| CONSTRUCTION NOTES | |
|--------------------------------|--|
| (APPLIES TO THIS DRAWING ONLY) | |
| 1 | FURNISH AND INSTALL A NEW EXIT SIGN EQUAL TO LITHONIA #LQC-W-1-R-ELN. FIXTURE TO HAVE WHITE FINISH AND INTEGRAL BATTERY. EXTEND 1/2" CONDUIT WITH 3#12AWG TO NEAREST AVAILABLE UNSWITCHED CIRCUIT IN CEILING SPACE. |
| 2 | RELOCATED DEVICES TO OPPOSITE SIDE OF WALL RECONNECT TO EXISTING CIRCUITRY AND CABLING. BLANK OFF ANY UNUSED WALL BOXES AND REPAIR WALL TO SATISFACTION OF OWNER AND ARCHITECT. |
| 3 | FURNISH AND INSTALL A NEW TYPE "A" FIXTURES AND CONNECT TO EXISTING CIRCUITRY PREVIOUSLY SERVING AREA - VERIFY LOADING. TYPE "A" FIXTURE SHALL BE EQUAL TO LITHONIA #2BSLX4-46L-MVOLT-LP840-BLD WITH BI-LEVEL SWITCH DIMMING. PATCH CEILING AFTER ELECTRICAL IS COMPLETE. |
| 4 | FURNISH AND INSTALL (2) TOGGLE TYPE LIGHT SWITCHES FOR BI-LEVEL SWITCHING OF FIXTURE - USE WIREMOLD FOR SURFACE MOUNTED BOXES AND RACEWAY. |
| 5 | CONNECT TO EXISTING CIRCUITRY PREVIOUSLY SERVING AREA - VERIFY LOADING. USE WIREMOLD FOR SURFACE MOUNTED BOXES AND RACEWAY. |
| 6 | EXTEND 1/2" CONDUIT WITH 3#12 AWG TO EXISTING PANEL "P1". FURNISH AND INSTALL A NEW 2P15A CIRCUIT BREAKER IN EXISTING PANEL TO SERVE UNIT. UPDATE PANEL DIRECTORY. |
| 7 | EXTEND 1/2" CONDUIT WITH 3#12 AWG TO EXISTING PANEL "A OR B". FURNISH AND INSTALL A NEW 2P20A CIRCUIT BREAKER IN EXISTING PANEL TO SERVE UNIT. UPDATE PANEL DIRECTORY. |
| 8 | EXTEND 1/2" CONDUIT WITH 3#12 AWG FROM ROOFTOP OUTDOOR UNITS TO INDOOR UNITS AND CONNECT. PENETRATION THROUGH ROOF UTILIZE MEYERS HUB OR EQUIVALENT - PROPERLY SEAL ALL ROOF PENETRATIONS. |
| 9 | FURNISH AND INSTALL A 120V, 20AMP DUPLEX RECEPTACLE ON ROOF FOR SERVICE POWER. DEVICE SHALL BE WEATHER-RESISTANT RATED GFCI WITH WEATHER-PROOF "WHILE-IN-USE" COVER. MOUNT ON SUITABLE SUPPORT. EXTEND 1/2" CONDUIT AND WIRING TO NEAREST AVAILABLE SOURCE OF UNSWITCHED 120V POWER AND CONNECT. |
| 10 | INSTALL 1" PVC CONDENSATE DRAIN LINE ABOVE CEILING AND CONNECT TO EXISTING CONDENSATE PIPING IN LOBBY. INSULATE ALL PIPING PER SPECIFICATIONS. |
| 11 | INSTALL DUCTLESS SPLIT HVAC ROOFTOP UNITS AND ROUTE REFRIGERANT PIPING FROM UNIT CONNECTIONS DOWN THROUGH ROOF TO INDOOR UNIT CONNECTIONS PER DETAIL ON THIS DRAWING.. |
| 12 | FURNISH AND INSTALL DUCTLESS SPLIT OUTDOOR HVAC UNITS ON ROOF, AS SCHEDULED. |
| 13 | FURNISH AND INSTALL DUCTLESS SPLIT INDOOR HVAC UNITS ON ROOF, AS SCHEDULED. |
| 14 | FURNISH AND INSTALL WALL MOUNTED T-STAT AND CONNECT TO UNIT. |
| 15 | J-BOX/CONDUIT DROP FOR CONNECTION TO ELECTRIC STRIKE POWER TRANSFORMER. FURNISH AND INSTALL ALL CONDUIT AND CONNECTIONS REQUIRED BY ARCHITECTURAL DOOR HARDWARE. 1/2" C-3#12 AWG FOR 120V WIRING CONNECTIONS. |
| 16 | J-BOX AND 1/2" CONDUIT DROP FOR CONNECTION TO CARDREADER. FURNISH AND INSTALL ALL CONDUIT AND CONNECTIONS REQUIRED BY ARCHITECTURAL DOOR HARDWARE. |
| 17 | FURNISH AND INSTALL 1/2" C-3#12 AWG FOR 120V WIRING CONNECTIONS FOR DOOR HARDWARE SYSTEM - CONNECT TO NEAREST AVAILABLE UNSWITCHED 120V. POWER SOURCE. |
| 18 | EXTEND CONDUIT AND CABLING CONNECTIONS TO EXISTING AL-PHONE SYSTEM AND CONNECT SUCH THAT SYSTEM CONTROLS ELECTRIC STRIKE OF NEW DOOR HARDWARE. REMOVE THE EXISTING RY24DL RELAY FOR THE SYSTEM AND INSTALL A NEW (3) THREE DOOR RELAY (RY3DL) FOR CONTROL OF (3) THREE DOORS. |

| ELECTRICAL NOTES | |
|------------------|---|
| 1. | THE INSTALLER SHALL CUT AND PATCH AS REQUIRED DURING THE COURSE OF INSTALLATION OR AS SPECIFIED ON THE DRAWINGS AND REQUIRED FOR THE INSTALLATION. PATCHING SHALL MAINTAIN THE ORIGINAL ASSEMBLY FIRE AND SMOKE RATING. |
| 2. | ALL NEW ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND ALL OTHER LOCAL, STATE AND NATIONAL CODES WHICH APPLY AS INTERPRETED BY THE AHJ (AUTHORITY HAVING JURISDICTION). |
| 3. | THE ELECTRICAL DRAWINGS ARE SCHEMATIC IN NATURE AND SHOW THE GENERAL ARRANGEMENT OF EQUIPMENT. THE DRAWINGS SHALL NOT BE SCALED TO DETERMINE EQUIPMENT CONNECTION OR ROUGH-IN. REFER TO EQUIPMENT CUT-SHEETS FOR DIMENSIONAL DETAILS. |
| 4. | ALL CONDUCTORS OF THE ELECTRICAL SYSTEM SHALL BE COPPER, 600V, THW/THWN AND SIZED AS REQUIRED FOR LOADING AND PER CODE. |
| 5. | ALL CONDUIT SHALL BE MINIMUM 1/2" TRADE SIZE RMC AND LFMC FOR FINAL CONNECTION TO EQUIPMENT TO ISOLATE ANY VIBRATION. |
| 6. | RACEWAY FILL, WHEN RACEWAY SIZE IS NOT SPECIFICALLY INDICATED, SHALL BE BASED ON APPLICABLE ARTICLES OF THE NEC AND CONDUCTOR MANUFACTURER. |
| 7. | CIRCUIT ROUTING, IN GENERAL, IS NOT SPECIFIED UNLESS SPECIFIC REQUIREMENTS EXIST WHERE ROUTING OF CIRCUITS WILL HAVE EFFECT ON CIRCUIT VOLTAGE DROPS. INSTALLER SHALL COORDINATE ROUTING LENGTH WITH CONNECTED LOAD AND ADJUST CONDUCTOR SIZE FOR A VOLTAGE DROP LESS THAN 3%. |
| 8. | SERVICE VOLTAGE AND ELECTRICAL REQUIREMENTS OF ALL EQUIPMENT SHALL BE VERIFIED BY THE INSTALLER PRIOR TO ELECTRICAL ROUGH-IN. DISCREPANCIES BETWEEN THE ELECTRICAL DRAWINGS AND EQUIPMENT REQUIREMENTS SHALL BE REPORTED TO THE ENGINEER BEFORE ANY ASSOCIATED WORK IS INSTALLED. |
| 9. | INSTALLER SHALL COORDINATE WITH THE EXISTING STRUCTURES AND PROVIDE THE REQUIRED SUPPORT OF RACEWAY. |
| 10. | INDICES OF ELECTRICAL EQUIPMENT SHALL BE COMPLETED FOR EACH CIRCUIT. DESCRIPTION SHALL INCLUDE ROOM NUMBER TO MATCH SIGNAGE. ARC-FLASH WARNING LABELS SHALL BE APPLIED ON ALL EQUIPMENT PER N.E.C. 110.16. LABELS AND TAGS AS DETAILED SHALL BE PLACED ON ALL PANELS, STARTERS, DISCONNECTS, ETC. |
| 11. | THE INSTALLER SHALL PROVIDE ALL LABOR AND MATERIAL TO CONNECT EQUIPMENT SPECIFIED AS PART OF THIS PROJECT AND SHALL REVIEW ALL PARTS OF THE CONSTRUCTION DOCUMENTS FOR LOCATION AND QUANTITIES. |
| 12. | THE INSTALLER SHALL BE REQUIRED TO FABRICATE AND INSTALL ANY NECESSARY STANCHION MOUNTS FOR ALL ELECTRICAL EQUIPMENT THAT IS NECESSARY TO COMPLETE THEIR WORK. |
| 13. | THESE DRAWINGS WERE BASED ON FIELD OBSERVATIONS AND ARE DIAGRAMMATIC. ACTUAL CONDITIONS SHALL BE VERIFIED BY THE INSTALLER PRIOR TO INSTALLATION. |
| 14. | E.C SHALL FURNISH AND INSTALL APPROPRIATE AND LISTED SEALS FOR ALL PENETRATIONS MADE IN FIRE AND SMOKE-RATED BARRIERS AS REQUIRED FOR THE INSTALLATION OF THE ELECTRICAL SYSTEMS. |



SHEET TITLE: **MECHANICAL-ELECTRICAL PLANS**
JOB NAME: **NORTH PARK ELEMENTARY SCHOOL ENTRY VESTIBULE**

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