



REQUEST FOR QUOTATION ("RFQ") #4766ME

Name of the RFP: LIMITED SCOPE PUBLIC IMPROVEMENT

ADDENDUM 1

Due Date /Time: 05/23/2017 2:00PM EDT

Issued Date: 04/28/2017

Mailing Address:

Cleveland State University
Purchasing Department
2121 Euclid Avenue
Cleveland, OH 44115

Hand Delivery or Courier Address:

Cleveland State University
Purchasing Department
2258 Euclid Avenue
Suite 118
Cleveland, OH 44115

Contact:

Mike Eames
Purchasing
216.687.3604 (phone)
216-687-9361 (fax)
m.eames@csuohio.edu

Proposals must be received by the due date/time specified above. Quotes received after the due date/time will be returned unopened to the supplier

Please refer to the attached sheets for Instructions & Information. Quotes must be submitted on the form(s) provided and signed by an authorized representative in ink in the proper spaces. Vendors are cautioned to read this entire document carefully and to prepare and submit their Quotes providing all requested information in accordance with the terms and conditions set forth herein.

ADDENDUM NO. 1

DATE: May 9, 2017

PREPARED FOR: Cleveland State University
Purchasing Department
2121 Euclid Ave
Cleveland, OH 44242-0001

CSU QUOTATION NUMBER: #4766ME

CSU PROJECT NUMBER: LF-1703

PREPARED BY: Payto Architects, Inc.
1220 West Sixth Street
405 Bradley Building
Cleveland, OH 44113

This Addendum No. 1 supplements and amends the original drawings and specifications and becomes as fully a part of the first issued documents as if originally issued or originally contained therein.

Work herein called for shall be performed in the manner described in the original Contract Documents embracing additions to, deductions from, all changes and substitutions in, or clarifications and emphasis on part of requirements of the drawings and specifications, pertaining to ALL TRADES herewith mentioned for the completion of the PROJECT.

GENERAL:

Addendum No. 1 is issued this date for the following purposes:

- A. Issued the following **NEW** specifications sections:
 - 1. 01 78 00 Project Record Documents
- B. Issued the following drawing **CLARIFICATIONS**:
 - 1. A103 Overall Third Floor Plan
- C. Issued the following **REVISED** drawings:
 - 1. Please note that the drawings issued with this addendum are dated 05.05.17 and have been issued to the State of Ohio Division of Industrial Compliance for plan review.
 - 2. A101 First floor plans, Schedules, Details, Notes and Code Data
 - a. For plan review purposes, the building construction type and code data was revised.
 - b. Handheld fire extinguishers were added to the floor plan.
 - c. For plan review purposes, a section through the existing stair is shown. Bidders are to maintain the fire barrier at the ceiling of the existing stair.
 - 3. E101 Electrical Plans
 - a. Disconnect switch modified to reflect change in owner's equipment.
 - 4. E102 Electrical Plans
 - a. Motor starter and related feeders revised.
 - 5. E201 Electrical Schedules & Details

- a. One line power riser diagram added.
 - b. Electrical loads, symbol legend and panel schedule revised.
6. M201 Mechanical Schedules and Details
- a. Outdoor air schedule revised.
- D. Clarifications of the following issues, questions and requests for information:
1. Please note that the address of the MAGNET building is 1768 East 25th Street, not 1168 East 25th Street.
 2. Parking for contractors is permitted in the MAGNET parking lot at no charge.
 3. All contractors are reminded that they are to follow CSU's badging and safety procedures, which includes watching the safety video. This is outlined in the CSU contractors handbook which was included in the bid documents.
 4. The security camera relocation on the first floor will be by MAGNET.
 5. The contract for construction will be between the contractor and MAGNET.
 6. Related to the second floor work for Alternate #1:
 - a. MAGNET will remove and re-install all wall mounted signs, pictures, and wall mounted items so that painting can occur.
 - b. The ceiling area in Open Office 221 where the wall demo occurs is to be patched in with new ceiling tile and grid to match the existing.
 - c. All of the walls in Open Office 221 and 222 are to be painted. Accent colors per the plan.
 - d. MAGNET will not have staff working in the work areas while the work is being completed. Furniture will be moved to the center of the rooms for clear access to all walls for painting and other related scope of work.

End of Addendum #1

SECTION 01 78 00 – PROJECT RECORD DOCUMENTS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this section.

1.2 DESCRIPTION OF WORK

- A. This Section specifies administrative and procedural requirements for Project Record Documents to be prepared and submitted by the Lead Contractor.

- B. Project Record Documents required include:

1. Marked-up copies of the Contract Documents
2. Marked-up copies of the final Conforming shop drawings
3. Newly prepared drawings
4. Marked-up copies of specifications, addenda, and change orders
5. Marked-up copies of conforming product data submittals
6. Record samples
7. Field records for variable and concealed conditions
8. Record information on work that is recorded only schematically
9. Operating and maintenance manuals for work by all contractors
10. Instruction manuals covering the care, preservation and maintenance of architectural products and finishes
11. Schedule of finishes and colors of architectural products
12. Warranties and guarantees for products provided by all contractors

- C. Refer to General Conditions for additional requirements.

- D. Specific record copy requirements that expand requirements of this section are included in Divisions 2 thru 28.

1.3 RELATED SECTIONS

- A. General project closeout requirements are included in “Contract Completion” and elsewhere in the contract documents.

- B. General requirements for submittal of shop drawings, product data and project record documents are included in Section “Submittals” and elsewhere in Divisions 2 thru 16.

1.4 SUBMITTALS

- A. Submittal Schedule: Comply with the following schedule of operating and maintenance manuals:

1. Before substantial completion, when each installation that requires submittal of operating and maintenance manuals is nominally complete, submit (1) one draft

copy of each manual to the Associate for review. Include a complete index or table of contents of each manual.

2. After Final Inspection, make corrections or modifications to comply with the Associate's comments. Submit the specified number of copies of each approved manual to the Associate within (15) fifteen days of receipt of the Associate's comments.

- a. (3) Three copies of manuals and CD's or flash drives will be required.

B. Form of Submittal:

1. Prepare operating and maintenance manuals in the form of an instructional manual for use by the Owner's operating personnel. Organize into suitable sets of manageable size. This is to be in the form of a 3-ring binder with clear protective sleeves around the exterior. Provide a printed title sheet inside the front cover sleeve.
2. Prepare a CD or DVD, viewable in any PC based computer, of all Project Record Documents required in this section. This is to include but not be limited to scanned PDF format digital files of all shop drawings, submittals and other reviewed documents.

C. Drawings: Where drawings or diagrams are required as part of the manual, provide reinforced punched binder tabs on the drawings and bind in with the text.

1. Where oversize drawings are necessary, fold the drawings to the same size as the text pages and use as a fold-out.
2. If drawings are too large to be used practically as a fold-out, place the drawing, neatly folded in the front or rear pocket of the binder. Insert a typewritten page indicating the drawing title, description of contents and drawing location at the appropriate location in the manual.

1.5 MANUAL AND CD CONTENT

- A. General system or equipment description
- B. Copies of all shop drawings and product data
- C. Operating instruction
- D. Emergency instructions
- E. Wiring diagrams
- F. Inspection and test procedures
- G. Maintenance procedures and schedules
- H. Precautions against improper use and maintenance
- I. Copies of warranties
- J. Repair instructions including spare parts listing
- K. Source of required maintenance materials and related services
- L. Manual index

M. Warranties, bonds and service contracts:

1. Provide a copy of each warranty, bond or service contract in the appropriate manual for the information of the Owner's operating personnel.
2. Provide written data outlining procedures to be followed in the event of product failure. List circumstances and conditions that would affect validity of the warranty or bond.

N. Architectural Products: Provide manufacturer's data and instructions on care and maintenance of architectural products, including applied materials and finishes.

1. Manufacturer's data: Provide complete information on architectural products, including the following, as applicable:
 - a. Manufacturer's catalog number
 - b. Size
 - c. Material Composition
 - d. Color
 - e. Texture
 - f. Re-Ordering information for specially manufactured products
2. Care and maintenance instructions:
 - a. Provide information on the care and maintenance, including manufacturer's recommendations for types of cleaning agents to be used and method of cleaning.
 - b. Provide information regarding cleaning agents and methods of cleaning that may be detrimental to the product. Include manufacturer's recommended schedule for cleaning and maintenance.
3. Color Schedules:
 - a. Provide information showing manufacturer's color name and catalog number for all exposed finishes, including paint, carpet, wallcoverings and other finish materials.

1.6 MAINTENANCE OF DOCUMENTS AND SAMPLES

- A. Store record documents and samples in the field office apart from Contract Documents used for construction.
- B. Do not permit record documents to be used for construction purposes. Maintain record documents in good, clean, dry, and legible condition.
- C. Make documents and samples available at all times for inspection by the Associate.

1.7 RECORD DRAWINGS

- A. General:
 1. Refer to General Conditions for requirements.
- B. Responsibility for Markup:
 1. Where feasible, the individual or entity who obtained record data, whether the individual or entity is the installer, Subcontractor or similar entity, is required to prepare the mark-up on Record Drawings.

- C. At the time of substantial completion, submit record drawings to the Associate for the Owner's records. Organize into sets, bind and label sets for Owner's continued use.

1.8 RECORD SPECIFICATIONS

A. General:

- 1. Refer to General Conditions for requirements.
- B. Each prime contractor is responsible for marking-up Sections that contain its own work.
 - 1. The Lead Contractor is responsible for collecting marked-up record sections from each of the other Prime Contractors, and for collating these sections in proper numeric order with its own sections to form a complete set of record Specifications.
 - 2. The Lead Contractor is responsible for submitting the complete set of record Specifications as specified.

1.9 RECORD PRODUCT DATA

- A. During the construction period, maintain one copy of each Product Data submittal for the Project Record Documents.
 - 1. Mark Product Data to indicate the actual product installation where installation varies significantly from that indicated in Product Data submitted. Include significant changes in the product delivered to the site and changes in manufacturer's instructions and recommendations for installation.
 - 2. Give particular attention to information on concealed products and installations that cannot be readily identified and recorded later.
 - 3. Upon completion of mark-up, submit a complete set of record Product Data to the Associate for the Owner's records.
 - a. (3) Three copies will be required.
 - 4. Where record Product Data is required as part of the maintenance manuals, submit a marked-up Product Data as an insert in the manual instead of submittal as record product data.
 - 5. Each Prime Contractor is responsible for mark-up and submittal of record Product Data for its own work.

1.10 RECORD SAMPLE SUBMITTAL

- A. Immediately prior to the date of Substantial Completion, the Lead Contractor shall meet with the Associate and, if desired, the Owner's personnel at the site to determine which of the Samples maintained during the construction period shall be transmitted to the Owner for record purposes. Comply with the Associate's instructions for packaging, identification markings and delivery to the Owner's sample storage space. Dispose of other samples in a manner specified for disposal of surplus and waste materials.

1.11 MISCELLANEOUS RECORD SUBMITTALS

- A. Refer to the other specification sections for miscellaneous record keeping requirements and submittals in connection with various construction activities. Immediately prior to Substantial Completion, complete miscellaneous records and place in good order, properly identified and bound or filed, ready for use and reference. Submit to the Associate for the Owner's records.

1. Categories of requirements resulting in miscellaneous records include but are not limited to the following:
 - a. Field records on excavations and foundations
 - b. Field records on Underground Construction and similar work
 - c. Survey showing locations and elevations of underground lines
 - d. Invert elevations of drainage piping
 - e. Surveys establishing building lines and levels
 - f. Authorized measurements utilizing unit pricing or Allowances
 - g. Batch mixing and bulk delivery records
 - h. Load and Performance Testing
 - i. Inspections and certifications by governing authorities
 - j. Leakage and water penetration tests
 - k. Fire resistance and flame spread test results
 - l. Final inspection and correction procedures

PART 2 - PRODUCTS

Not applicable

PART 3 - EXECUTION

3.1 RECORDING

- A. Post changes and modifications to the documents as they occur. Do not wait until the end of the Project. The Associate will periodically review record documents to assure compliance with this requirement.

END OF SECTION 01 78 00

CODE INFORMATION

THIS PROJECT IS DESIGNED UNDER AND COMPLIES WITH THE 2011 OHIO BUILDING CODE (OBC), MARCH 2016 RELEASE.

THE PROJECT CONSISTS OF CONVERTING AN EXISTING OPEN AREA TO AN ENCLOSED WOOD CUTTING SHOP. THE BUILDING IS CURRENTLY AN INCUBATOR SPACE FOR MANUFACTURING COMPANIES. THE PROPOSED WORK DOES NOT CHANGE THE OCCUPANCY NOR DOES IT HAVE LIFE SAFETY IMPLICATIONS.

EXISTING BUILDING AREA: 27,201 SF ON FIRST FLOOR (LARGEST FLOOR)
81,304 SF TOTAL OVER (4) FLOORS.

SCOPE OF WORK AREA: 400 GSF TOTAL WORK FIRST FLOOR
2,100 GSF TOTAL WORK SECOND FLOOR

EXIST. USE GROUP: B, F-1 AND S-1 - NON SEPARATED PER 508.4

PROPOSED USE GROUP: F-1 FOR SCOPE OF WORK AREA ON FIRST
B FOR SCOPE OF WORK AREA ON SECOND

TYPE OF CONSTRUCTION: 3-B CONSTRUCTION TYPE

EXISTING STRUCTURE: EXISTING STRUCTURE IS A CAST IN PLACE CONCRETE FRAME, FLOOR AND BEAMS WITH EXTERIOR MASONRY NON-BEARING EXTERIOR INFILL.

FIRE PROTECTION: FULLY SPRINKLERED.

MEANS OF EGRESS:

THERE ARE NO CHANGES OR MODIFICATIONS PROPOSED TO THE EXISTING MEANS OF EGRESS PATHWAYS OR SYSTEMS IN THE BUILDING. THE PROPOSED WORK DOES NOT INCREASE THE BUILDING OCCUPANT LOAD IN ANY WAY.

PLUMBING FIXTURES:

THERE ARE NO CHANGES OR MODIFICATIONS TO THE EXISTING PLUMBING FIXTURES IN THE BUILDING. THE PROPOSED WORK DOES NOT INCREASE THE BUILDING OCCUPANT LOAD IN ANY WAY.

GENERAL NOTES

- CONTRACTOR(S) SHALL CHECK AND VERIFY ALL DIMENSIONS, CONDITIONS AND NOTES AT THE SITE AND NOTIFY THE ARCHITECT OF ANY AND ALL IRREGULARITIES, CONFLICTS, OR DISCREPANCIES BETWEEN THE CONTRACT DOCUMENTS AND EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF ANY FABRICATION OR CONSTRUCTION.
- SHOULD THERE BE ANY CONFLICT OR DISCREPANCY BETWEEN THE CONSTRUCTION NOTES SHOWN ON THESE DRAWINGS AND THE TECHNICAL SPECIFICATIONS CONTAINED IN THE PROJECT MANUAL, THE MORE RESTRICTIVE CONDITION OF THE TWO SHALL APPLY.
- DO NOT SCALE DRAWINGS. ALL WRITTEN DIMENSIONS SHALL GOVERN. ALL INSTALLATIONS SHALL BE ACCURATELY FIELD MEASURED PRIOR TO FABRICATION.
- ALL DIMENSIONS ARE FACE OF PARTITION UNLESS NOTED OTHERWISE.
- ALL MATERIALS AND PRODUCTS ARE TO BE FABRICATED AND INSTALLED PER THE MANUFACTURERS RECOMMENDATIONS AND DIRECTION. ALL RELATED MATERIALS (FASTENERS, ADHESIVES, ACCESSORIES, ETC.) SHALL BE APPROVED BY THE MANUFACTURER. ANY FIELD ENGINEERING SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR IF REQUIRED BY THE MANUFACTURER.
- INSTALLATION OF ALL MATERIALS SHALL PROVIDE FOR NECESSARY EXPANSION AND CONTRACTION PER THE MANUFACTURERS RECOMMENDATIONS AND SPECIFICATIONS BASED ON THE PARTICULAR INSTALLATION SITUATION AND POSITION.
- REMOVE DRAPERY AND WINDOW SHADE HARDWARE, PICTURE HOOKS, CORNER GUARDS, BULLETIN BOARDS, OBSOLETE ACCESS PANELS, FITTINGS AND DEVICES IN PREPARATION FOR NEW FINISHES AND FOR PAINTING. PATCH ANY EXISTING CRACKS, HOLES, OR DEFECTS TO INSURE FIRST CLASS, SMOOTH SURFACES FOR PAINTING OR OTHER FINISHES.
- ALL WORK TO BE CONTAINED IN SCOPE OF WORK AREA UNLESS PERMITTED BY THE OWNER. DEMOLITION AND OTHER MATERIALS SHALL BE KEPT WITHIN THE SCOPE OF WORK AREAS.
- PROMPTLY REPAIR DAMAGES CAUSED TO ADJACENT FACILITIES BY DEMOLITION WORK. EXTERIOR AREAS ARE TO RESTORED TO THEIR PRE-EXISTING CONDITION UPON COMPLETION.
- THE CONTRACTOR SHALL MAINTAIN DUST CONTROL MEASURES AT ALL TIME. ALL DUST MUST REMAIN CONTAINED WITHIN THE SCOPE OF WORK AREA. PROVIDE AND MAINTAIN STICKY MATS AT ENTRANCE DOOR TO WORK AREA.
- PRIOR TO SUBMITTING A BID, ALL CONTRACTORS MUST VISIT AND BECOME FAMILIAR WITH THE PROJECT SITE.
- PROTECT ALL CARPET TO REMAIN IN THE WORK AREAS WITH ADHESIVE BACKED CARPET PROTECTOR.
- ALL WORK AREAS TO HAVE TEMPORARY ZIP WALL TYPE DUST ENCLOSURES IN PLACE DURING DEMOLITION, SANDING AND FINISHING PROCEDURES.
- ALL WORK TO BE DONE DURING NORMAL BUSINESS HOURS, MONDAY THROUGH FRIDAY.
- IN DEMOLITION NOTES, "AS REQUIRED" IS TO INCLUDE MATCHING EITHER EXISTING EXPOSED FINISHES OR NEW FINISHES WITH SIMILAR AND COMPATIBLE MATERIALS, WHICHEVER APPLIES.
- PROTECT REMAINING SURFACES, EQUIPMENT AND PROPERTY. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF ANY DAMAGE OCCURRING DURING CONSTRUCTION. PROVIDE PROTECTIVE MEASURES AS REQUIRED TO PROTECT THE OWNER'S PERSONNEL & THE GENERAL PUBLIC FROM INJURY DUE TO THE DEMOLITION.
- ALL WORK SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LAWS, CODES, STANDARDS AND REGULATIONS. THE CONTRACTORS MUST COMPLY WITH ALL EPA AND OSHA REGULATIONS.
- BASED ON THE AGE OF THE EXIST. BUILDING, MAGNET AND CLEVELAND STATE UNIVERSITY MAKE KNOWN TO ALL CONTRACTORS THAT LEAD PAINT IS SUSPECTED TO BE PRESENT IN THE FACILITY. RENOVATION AND DEMOLITION ACTIVITIES MUST BE PERFORMED IN ACCORDANCE WITH 29CFR1926.62 AND ALL OTHER APPLICABLE OSHA REGULATIONS.

DOOR SCHEDULE - FIRST FLOOR

DOOR NO.	NOMINAL				DOOR							LABEL (MIN.)	HDW.	REMARKS		
	WIDTH	HGT.	THK.	TYPE	MAT.	FIN.	GLASS	TYPE	MAT.	FIN.	HEAD				JAMB	SILL
116A	3'-0"	7'-0"	1-3/4"	A	HM	PT-2	①	1	HM	PT-2	H-2	J-2	-	-	01	② ALTERNATE #2
116BA	3'-0"	7'-0"	1-3/4"	A	HM	PT-1	③	2	HM	PT-1	H-1	J-1	-	-	02	④
116BB	6'-0"	8'-0"	⑤	B	MTL	⑥	-	-	-	-	-	-	-	-	03	⑦

KEYNOTES - DOOR SCHEDULE

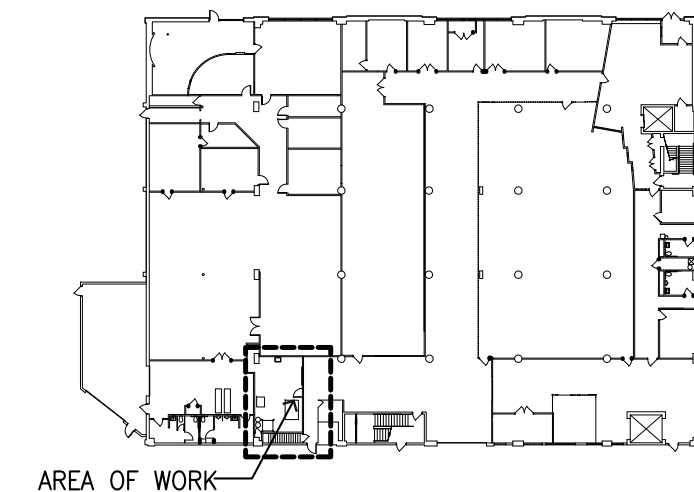
- DOOR LITE TO BE TEMPERED INSULATED UNIT.
- RE-INSTALL EXISTING MAG-LOCK AND REQUEST TO EXIT. DOOR TO HAVE NEW EXIT DEVICE AND NO EXTERIOR TRIM.
- DOOR TO HAVE TEMPERED GLASS LITE.
- DOOR TO HAVE CLOSER.
- PRE-FINISHED METAL COILING DOOR WITH INTERIOR SHROUD CLOSURE. SEE SPECIFICATIONS FOR ADDITIONAL.

GENERAL NOTES

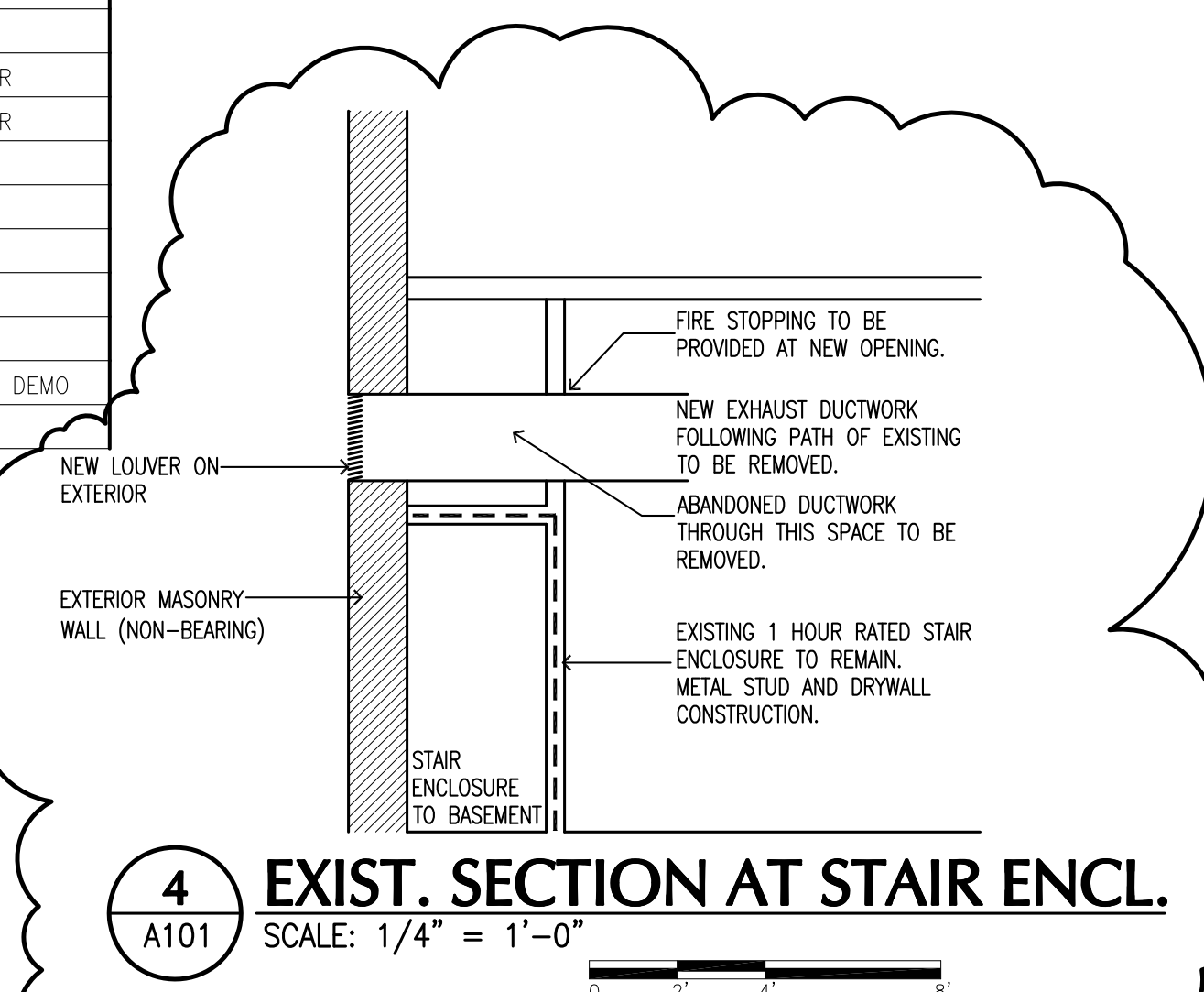
- SEE FINISH SCHEDULE & NOTES ELSEWHERE ON THIS SHEET FOR ADDITIONAL FINISH INFORMATION
- ALL ELEVATIONS OF HOLLOW METAL STOREFRONT TO BE COORDINATED WITH SYSTEM AND ARCHITECTURAL DRAWINGS AND DETAILS SHOWN ELSEWHERE IN THE CONTRACT DOCUMENTS.
- ALL DIMENSIONS FOR EXISTING DOORS, FRAMES AND OPENINGS TO BE VERIFIED IN THE FIELD.
- VERIFY INSTALLATION OF ALL DOOR HARDWARE PRIOR TO ROUGH-IN OF FINISH OF ANY AREAS. THIS INCLUDES ELECTRICAL AND TELECOMMUNICATIONS COORDINATION FOR ACCESS CONTROLS AND POWERED SYSTEMS.

FINISH MATERIAL LEGEND

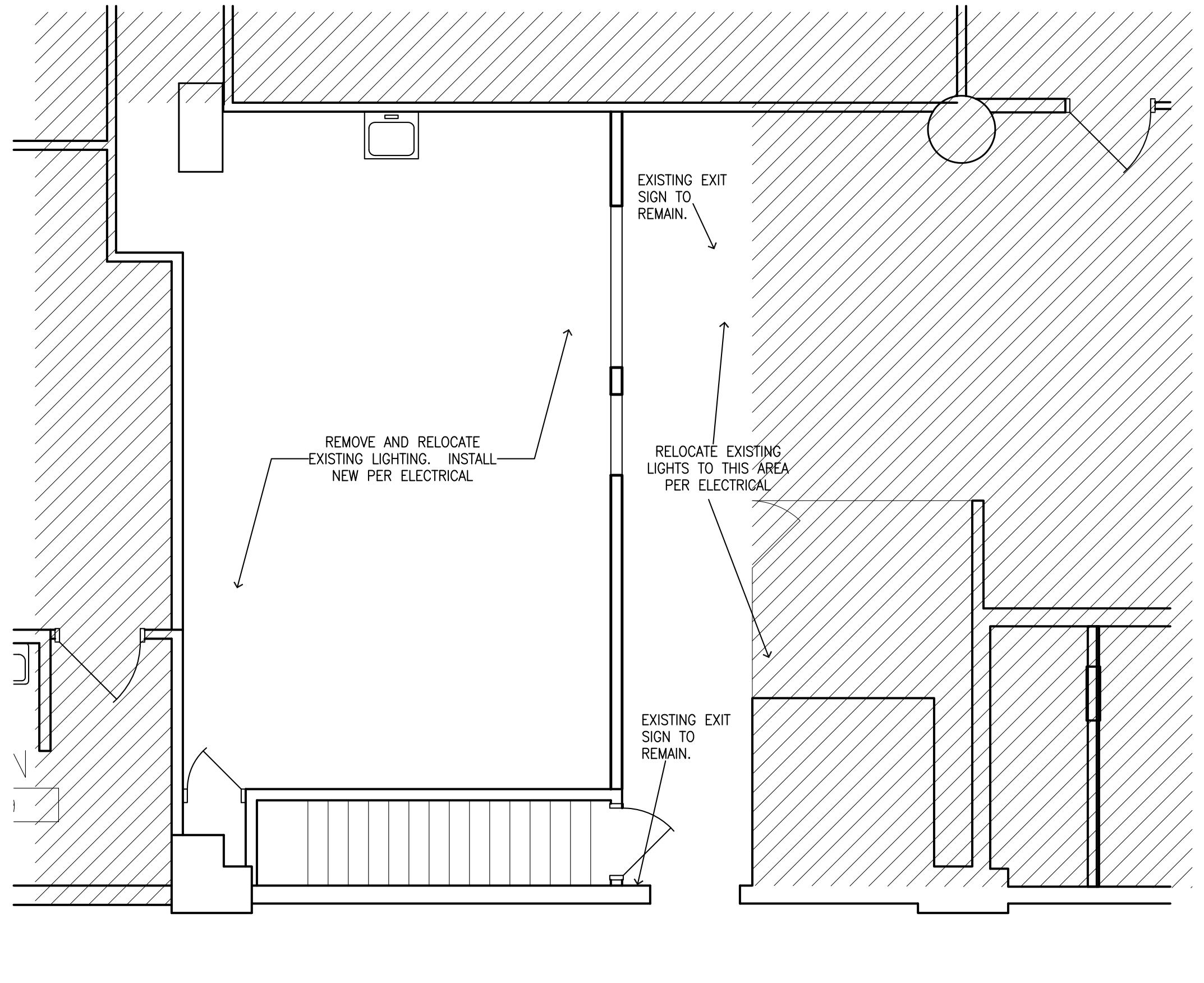
MATERIAL	MANUFACTURER	STYLE	COLOR	REMARKS
PT-1 PAINT COLOR 1	SHERWIN WILLIAMS	SEMI-GLOSS ALKYD	TO MATCH EXISTING	INTERIOR DOORS & FRAMES
PT-2 PAINT COLOR 2	SHERWIN WILLIAMS	SEMI-GLOSS ALKYD	TO MATCH EXISTING	EXT. DOORS & FRAMES
PT-3 PAINT COLOR 3	SHERWIN WILLIAMS	EG-SHEL	TO MATCH EXISTING	INTERIOR WALL FIELD COLOR
PT-4 PAINT COLOR 4	SHERWIN WILLIAMS	EG-SHEL	BY ARCHITECT	INTERIOR WALL ACCENT COLOR
PT-5 PAINT COLOR 5	SHERWIN WILLIAMS	EG-SHEL	BY ARCHITECT	INTERIOR WALL ACCENT COLOR
PT-6 PAINT COLOR 5	SHERWIN WILLIAMS	SEMI-GLOSS	BY ARCHITECT	TO MATCH ORANGE BRICK
PT-7 PAINT COLOR 5	SHERWIN WILLIAMS	SEMI-GLOSS	BY ARCHITECT	TO MATCH DARK BRICK
RB-1 RUBBER BASE #1	JOHNSONITE	6" HIGH, 1/8" THICK COVED	BY ARCHITECT	
RB-2 RUBBER BASE #1	JOHNSONITE	4" HIGH, 1/8" THICK COVED	BY ARCHITECT	
CPT-1 CARPET #1	INTERFACE	MONOCHROME	BY ARCHITECT	MODULAR ACCENT CARPET AT DEMO



3 LOCATOR PLAN
A101 NO SCALE



4 EXIST. SECTION AT STAIR ENCL.
A101 SCALE: 1/4" = 1'-0"

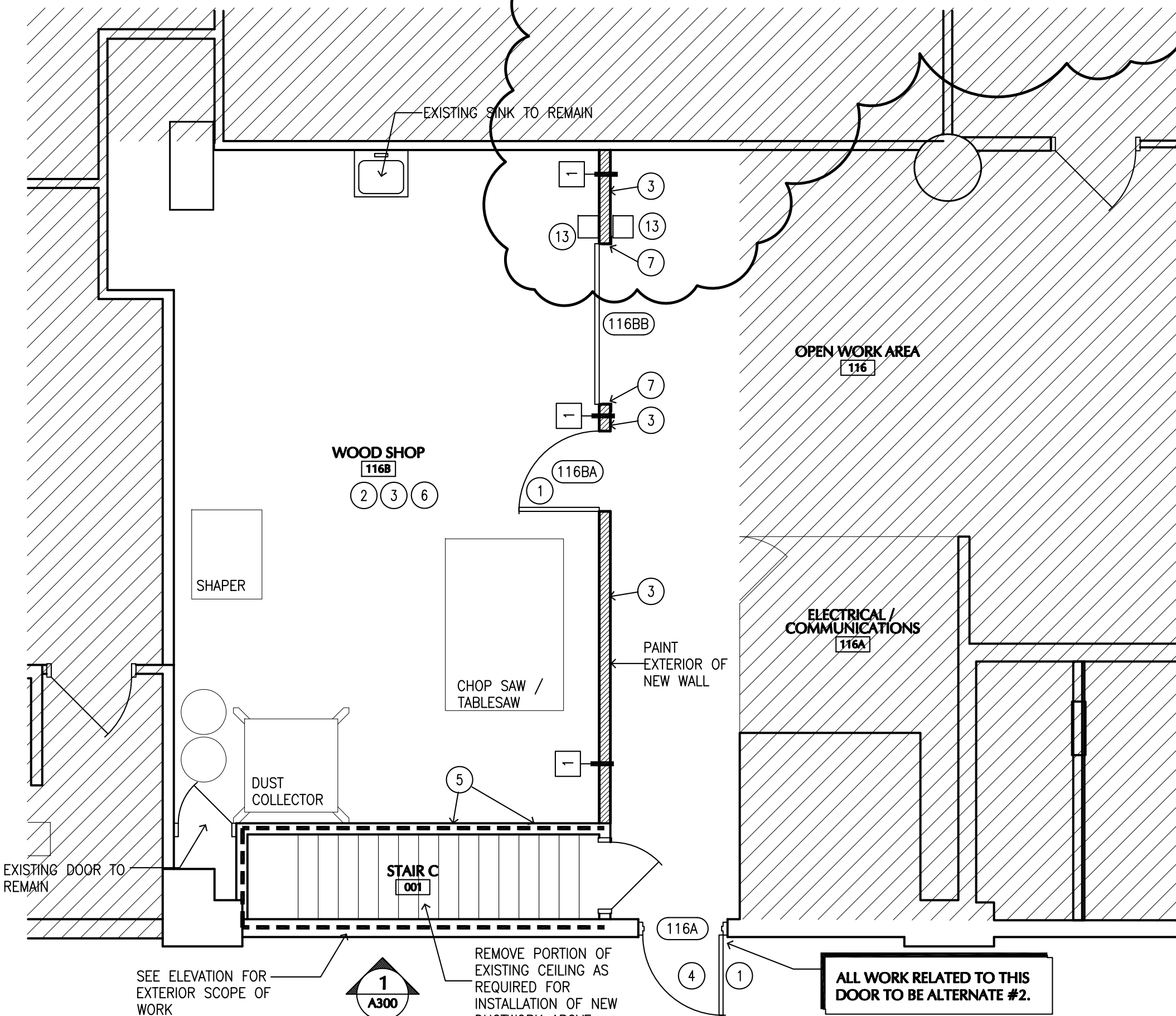


2 PARTIAL FIRST FLOOR CEILING PLAN
A101 SCALE: 1/4" = 1'-0"

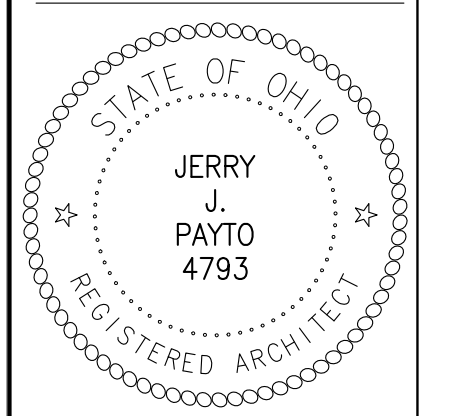
KEYNOTE LEGEND - FLOOR PLAN

- PAINT ALL NEW DOORS AND FRAMES PT-1. PAINT TO MATCH ADJACENT WALLS.
- PAINT ALL WALLS PT-3, NEW OR EXISTING. PREP AS REQUIRED. ACCENT COLORS ON WALLS NOTED ON PLAN.
- NEW RB-1 ON ALL WALLS OF ROOM AND EXTERIOR OF NEW WALL.
- ALTERNATE #2: EXISTING DOOR AND FRAME TO BE REMOVED. SECURITY AND ACCESS CONTROL HARDWARE FOR RE-INSTALLATION.
- AT DEMOLISHED EXHAUST FAN AND OTHER REMAINING OPENINGS, PATCH IN EXISTING DRYWALL OPENINGS WITH (2) LAYERS OF 5/8" GWB AND METAL STUDS TO MAINTAIN 1 HOUR FIRE RATING ON STAIR.
- PATCH AND REPAIR EXISTING WALLS AT DEMOLITION.
- 1/2" THICK X 4" FACE WIDTH X 8'-0" STAINLESS STEEL CORNER GUARD AT OPENING.
- EXISTING CARPET AND BASE TO REMAIN. PROTECT AS REQUIRED.
- CPT-1 ACCENT STRIP AT WALL DEMO. PROTECT ALL EXISTING CARPET TO REMAIN DURING CONSTRUCTION.
- REMOVE AND REPLACE EXISTING WOOD CAP ON WALL WITH NEW PAINTED WOOD CAP TO MATCH ADJACENT WALL.
- PATCH FLOOR BASE TO MATCH EXISTING. INSTALL 4'-0" MIN. LENGTHS.
- PAINT EXISTING FIN TUBE COVERS TO MATCH WALL. TYP. AT ENTIRE LENGTH.
- SURFACE MOUNTED FIRE EXTINGUISHER CABINET EQUAL TO J.L. INDUSTRIES ACADEMY SERIES WITH WHITE PAINTED FINISH. PROVIDE 10# ABC HANDHELD EXTINGUISHER.

--- = MAINTAIN 1-HOUR FIRE RATING
--- = NEW PARTITION
= PARTITION TYPES SEE SHEET A300

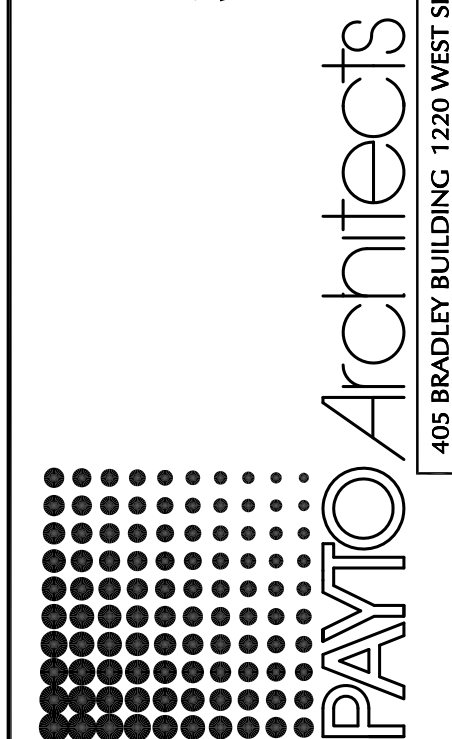


1 PARTIAL FIRST FLOOR PLAN
A101 SCALE: 1/4" = 1'-0"



JERRY PAYTO, LICENSE 4793
EXPIRATION DATE: 12/31/17
PRINTS FULL SCALE ON 24"X36" SHEET

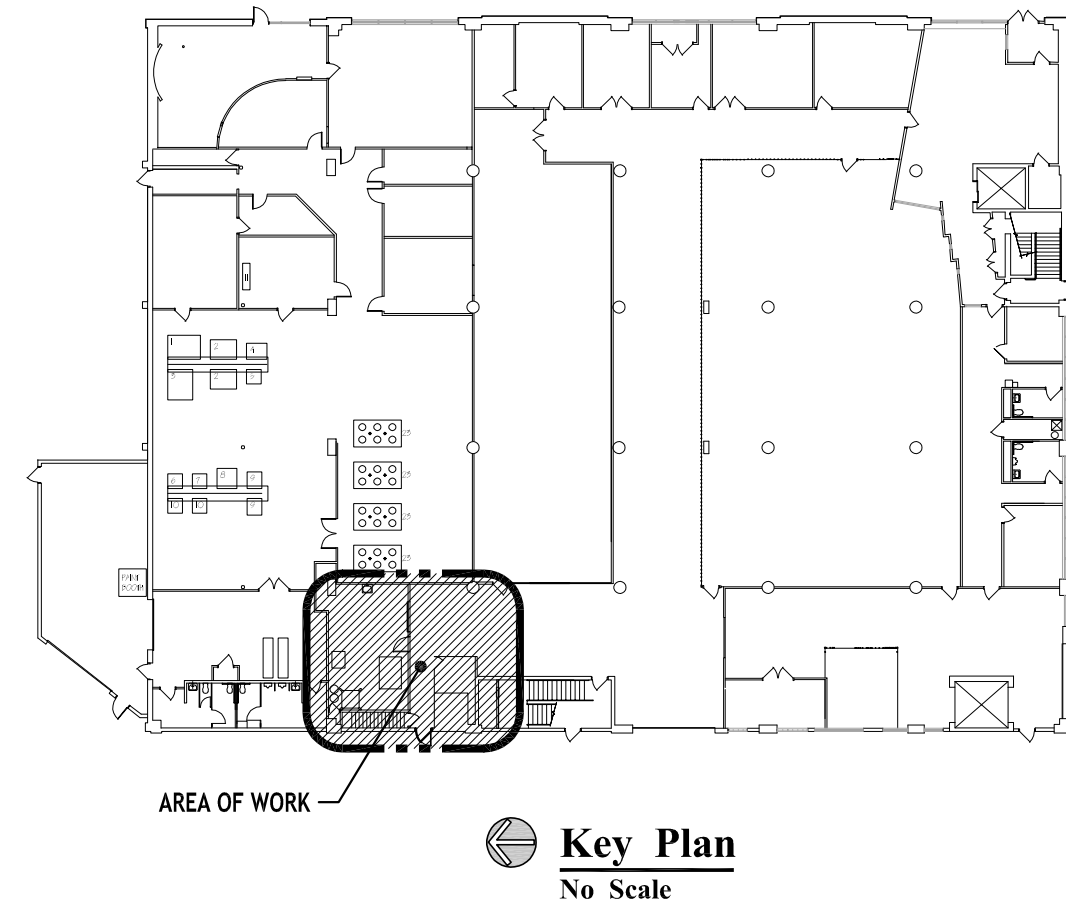
MAGNET
MANUFACTURING ADVOCACY & GROWTH NETWORK
WOODSHOP IMPROVEMENTS FOR CLEVELAND WHISKEY
1168 E. 25TH STREET, CLEVELAND, OH 44114



FIRST FLOOR PLANS
SCHEDULES, DETAILS &
NOTES, CODE DATA

PA PROJECT NO. 2017-08
CSU PROJECT NO. LF-1703

A101
BIDDING & CONSTRUCTION DOCUMENTS

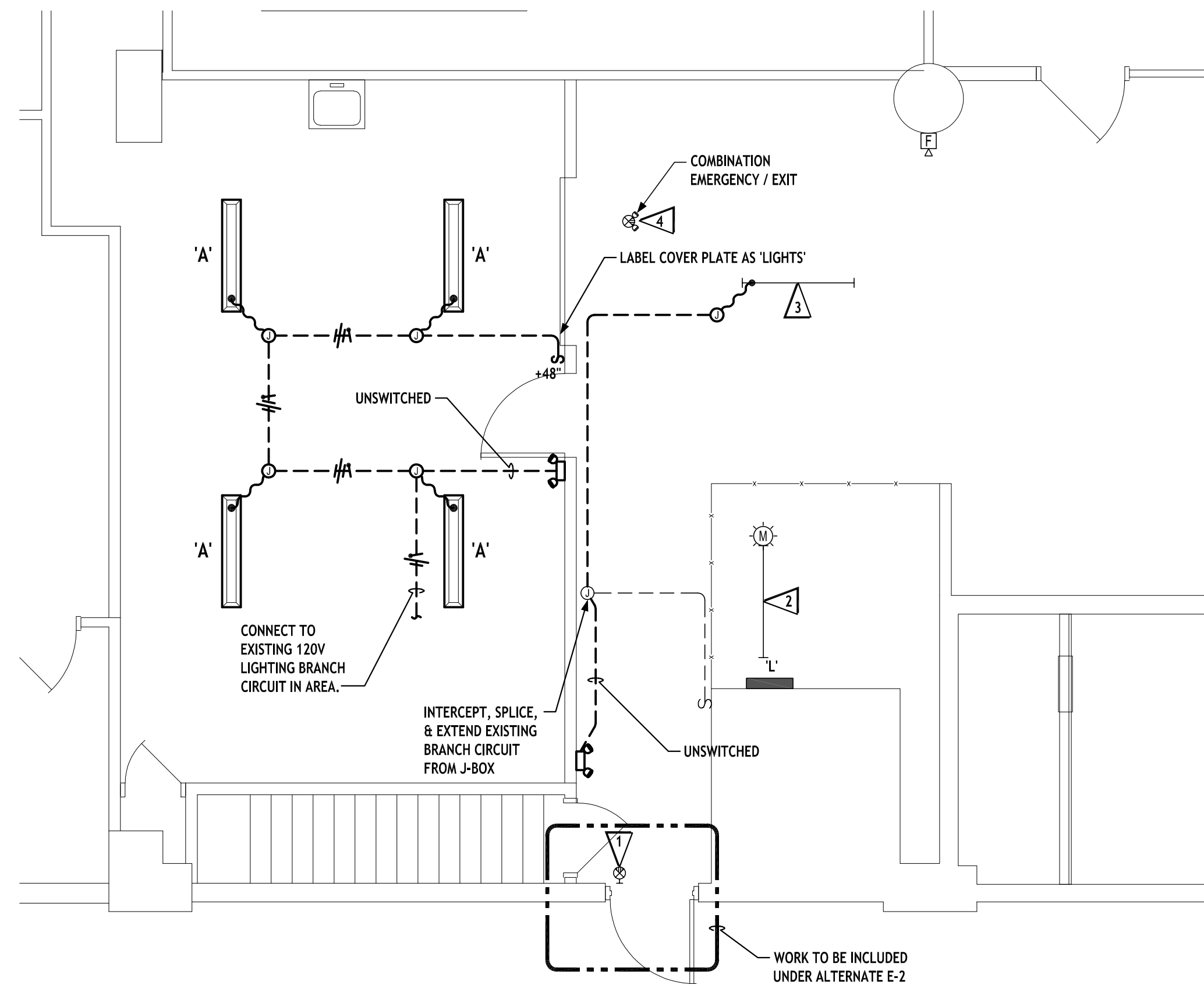


REFERENCE NOTES: (THESE NOTES APPLY TO THIS PLAN ONLY)

- 1. REINSTALL EXIT SIGN AT DOOR ONCE NEW DOOR IS IN PLACE. (ALTERNATE E-2)
- 2. REINSTALL 1'X4' INDUSTRIAL FLUORESCENT, 3-LAMP CHAIN HUNG LIGHT FIXTURE WITH MOTION SENSOR AT POSITION INDICATED. EXTEND BRANCH CIRCUIT AS REQUIRED TO MAKE OPERATIONAL.
- 3. REINSTALL 1'X4' INDUSTRIAL FLUORESCENT, 3-LAMP CHAIN HUNG LIGHT FIXTURE AT POSITION INDICATED. EXTEND BRANCH CIRCUIT AS REQUIRED TO MAKE OPERATIONAL WITH EXISTING LIGHT SWITCH.
- 4. EXISTING COMBINATION EMERGENCY/EXIT SIGN TO REMAIN AND SERVE AS EMERGENCY/EGRESS LIGHT.
- 5. EXISTING ELECTRICAL DEVICES AT DOOR INCLUDE EXIT SIGN, DOOR MAGNETIC, PUSH-TO-EXIT STATION, PASSIVE INFRA-RED SENSOR AND SECURITY HORN. DISCONNECT AND REMOVE IN ORDER TO REPLACE EXTERIOR DOOR. REINSTALL DEVICES AT ORIGINAL LOCATION ONCE THE NEW DOOR IS IN PLACE. (ALTERNATE E-2)
- 6. EXISTING 1'X4' INDUSTRIAL FLUORESCENT, 3-LAMP CHAIN HUNG LIGHT FIXTURE WITH MOTION SENSOR. DISCONNECT, REMOVE, RELOCATE AND REINSTALL SO LIGHT FIXTURE IS CLOSER TO EGRESS DOOR.
- 7. EXISTING 1'X4' INDUSTRIAL FLUORESCENT, 3-LAMP CHAIN HUNG LIGHT FIXTURE. DISCONNECT, REMOVE, RELOCATE AND REINSTALL IN HALLWAY. INTERCEPT, SPLICE AND EXTEND BRANCH CIRCUIT SO FIXTURE IS CONTROLLED BY LIGHT SWITCH INDICATED.
- 8. EXISTING 1'X4' INDUSTRIAL FLUORESCENT, 3-LAMP CHAIN HUNG LIGHT FIXTURE WITH MOTION SENSOR. DISCONNECT, REMOVE AND RETURN TO CSU.
- 9. EXISTING NM CABLE (8/3) RUNNING EXPOSED IN BAR JOIST FROM JUNCTION BOX IN NORTHWEST CORNER OF SPACE TO NEAR PANEL 'L' AND UP TO 2ND LEVEL. DISCONNECT AT JUNCTION BOX AND PULL BACK NM CABLE TO NEAR PANEL 'L'. REINSTALL CABLE THRU SPACE AS INDICATED ON DRAWING E102.
- 10. EXISTING CAMERAS WALL MOUNTED AT 10'-0" ABOVE THE FINISHED FLOOR. DISCONNECT, REMOVE AND RETURN TO CSU.

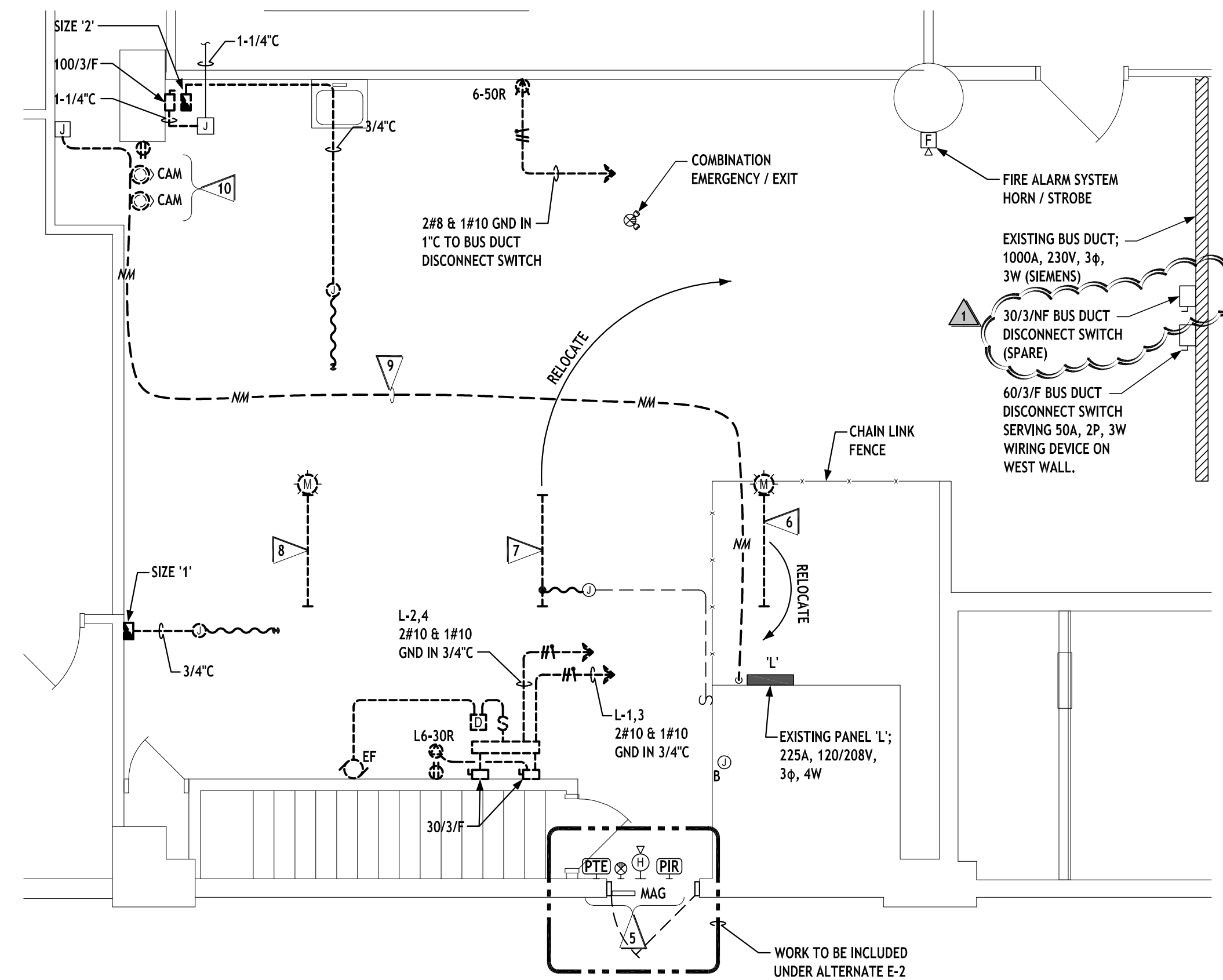
DEMOLITION NOTES:

1. THIS PLAN REPRESENTS THE ELECTRICAL EXISTING CONDITIONS AND THE INTENT OF THE ELECTRICAL DEMOLITION AND REMOVAL OF THE EXISTING ELECTRICAL FOR THE REMODELING. THE "EC" SHALL REMOVE AND/OR RELOCATE ALL ITEMS SHOWN 'DARK DASHED' ON THE PLAN. ALL ITEMS SHOWN 'LIGHT SOLID' SHALL REMAIN. ANY ITEMS NOT INDICATED ON PLAN THAT NEED REMOVED OR RELOCATED IN ORDER FOR DEMOLITION TO BE ACCOMPLISHED SHALL BE THE RESPONSIBILITY OF THE "EC". IF ANY CIRCUITS ARE INTERRUPTED DURING DEMOLITION, THE "EC" SHALL ALSO BE RESPONSIBLE FOR ALL NECESSARY REWIRING OR REROUTING TO INSURE THAT ALL DEVICES AND FIXTURES ARE IN WORKING ORDER WHEN PROJECT IS COMPLETE.
2. ALL EXISTING UNUSED CONDUIT AND WIRING, INCLUDING VOICE / DATA, ETC., SHALL BE REMOVED TO SATISFY THE ELECTRICAL INSPECTOR AND ALL LOCAL AUTHORITIES.
3. CONDUITS WHICH ARE CONCEALED AND THEREFORE UNACCESSIBLE MAY BE ABANDONED IN PLACE. HOWEVER, ALL WIRING MUST BE REMOVED AND CONDUIT ENDS SHALL BE PLUGGED (CAPPED). ABANDONED CONDUIT MUST NOT INTERFERE WITH NEW CONSTRUCTION AND MUST REMAIN CONCEALED. PATCH WALLS / CEILINGS / FLOORS TO MATCH EXISTING SURFACES.
4. ALL EXISTING CONDUIT AND WIRING THAT IS TO REMAIN MUST COMPLY WITH THE APPLICABLE ELECTRICAL CODES. ANY MODIFICATIONS REQUIRED SHALL BE INCLUDED IN THE ELECTRICAL CONTRACT. THIS INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING ITEMS: SUPPORTING OF CONDUIT AND/OR CABLE, SPLICING OF CONDUCTORS IN PANELBOARD, BLANK COVERS ON JUNCTION BOXES, SUPPORTING OF LIGHT FIXTURES. NECESSARY SITE INSPECTIONS SHALL BE DONE TO CLARIFY THIS EXACT SCOPE OF WORK
5. THE "EC" SHALL PROVIDE BLANK COVER PLATES OVER ANY AND ALL WIRING DEVICES THAT ARE TO BE REMOVED IN THE WALLS WHERE NO WALL REMODELING / RENOVATION IS TO TAKE PLACE.
6. THE "EC" SHALL PATCH ALL OPENINGS AND HOLES IN EXISTING WALLS / FLOOR (CAUSED BY HIM IN THE PERFORMANCE OF HIS WORK) TO MATCH THE SURROUNDING SURFACE AND TO MAINTAIN THE FIRE INTEGRITY OF SAID WALLS / FLOOR.
7. THE "EC" SHALL TRACE AND IDENTIFY ALL EXISTING CIRCUITS THAT ARE TO REMAIN AND PROVIDE NEW TYPEWRITTEN DIRECTORIES IN EXISTING PANELS TO IDENTIFY AREA AND DEVICE ON CIRCUIT. THERE SHALL BE NO UNKNOWN CIRCUITS".
8. THE "EC" SHALL CONSULT WITH THE OWNER AS TO THE DISPOSITION OF ALL REMOVED ELECTRICAL EQUIPMENT (FIXTURES, SWITCHES, STARTERS, WIRING DEVICES, CIRCUIT BREAKERS, ETC). ELECTRICAL EQUIPMENT WHICH OWNER DOES NOT DESIRE TO RETAIN SHALL BE REMOVED FROM THE PREMISES BY THE "EC".



PARTIAL FIRST FLOOR PLAN LIGHTING (NEW WORK)

SCALE: 1/4" = 1'-0"

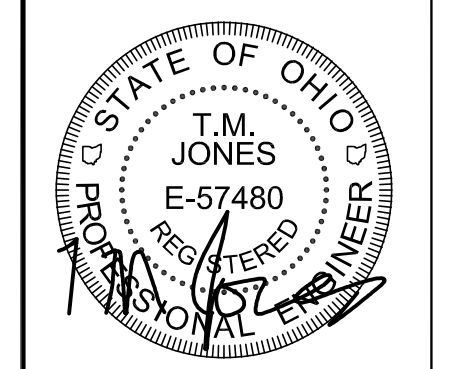


PARTIAL FIRST FLOOR PLAN ELECTRICAL (DEMOLITION)

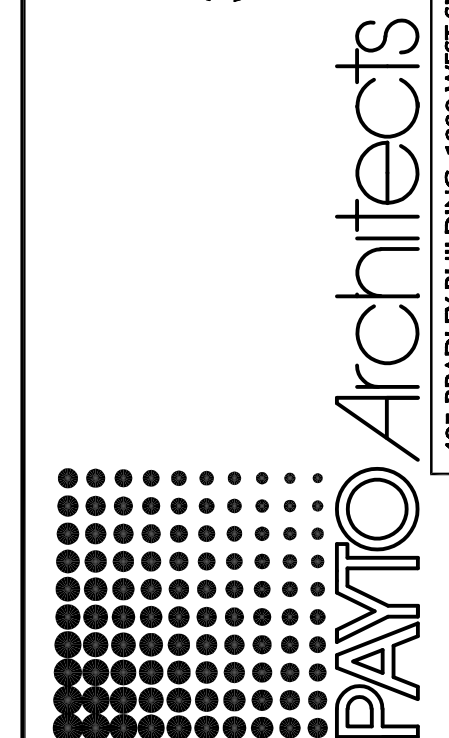
SCALE: 1/4" = 1'-0"



ISSUE DATE:	04.10.17
ADDENDUM #1	05-05-17

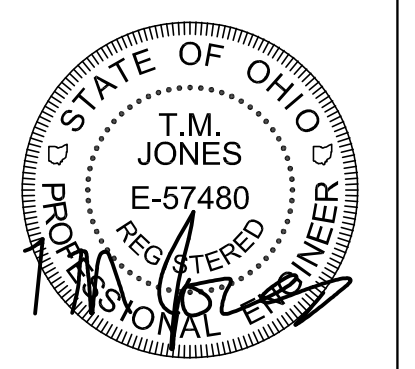


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1168 E. 25TH STREET, CLEVELAND, OH 44114

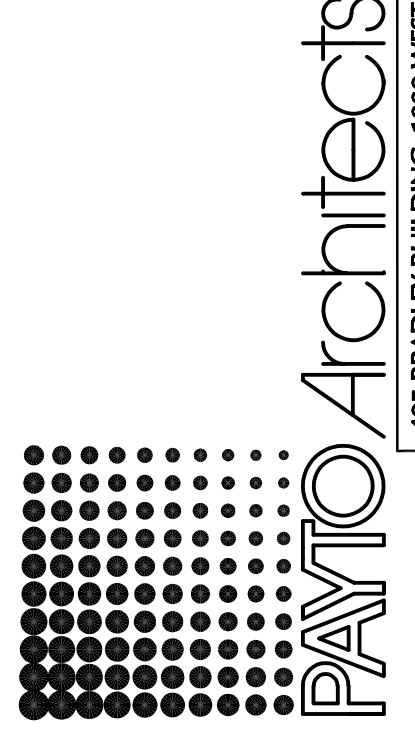


ELECTRICAL PLANS

PA PROJECT NO.	2017-08
CURRENT DATE	LF-1703
E101	
BIDDING & CONSTRUCTION DOCUMENTS	



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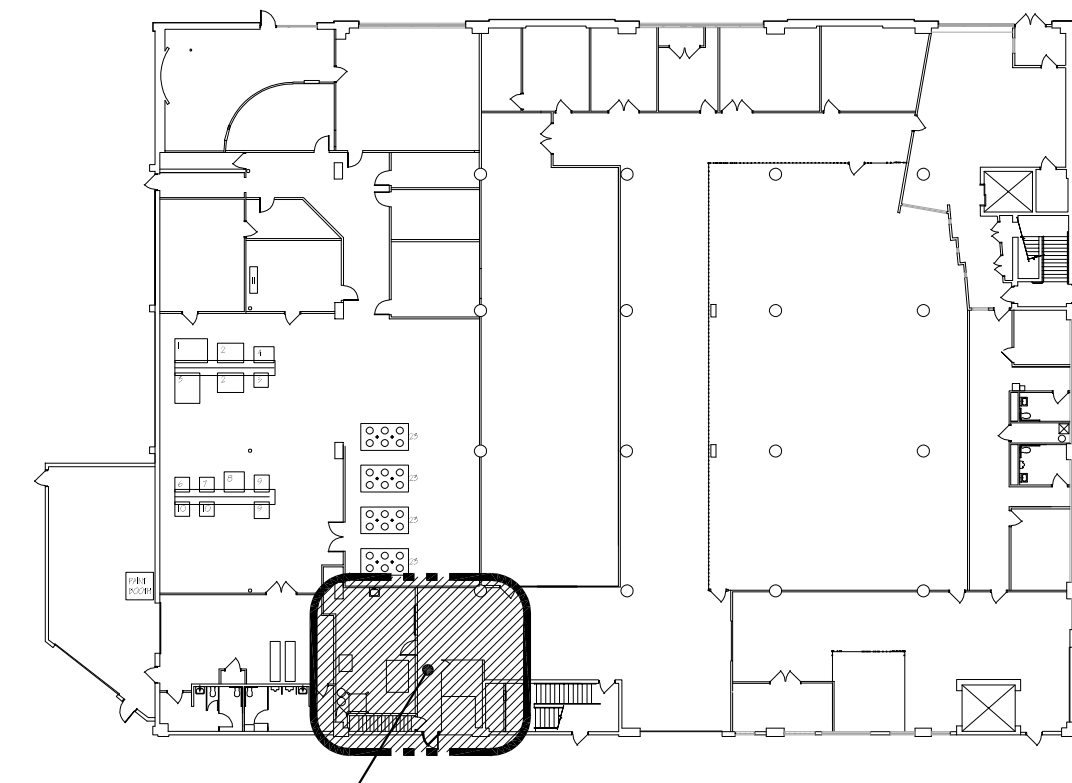


ELECTRICAL PLANS

PA PROJECT NO. 2017-08
 CURRENT DATE LF-1703

E102

BIDDING & CONSTRUCTION DOCUMENTS

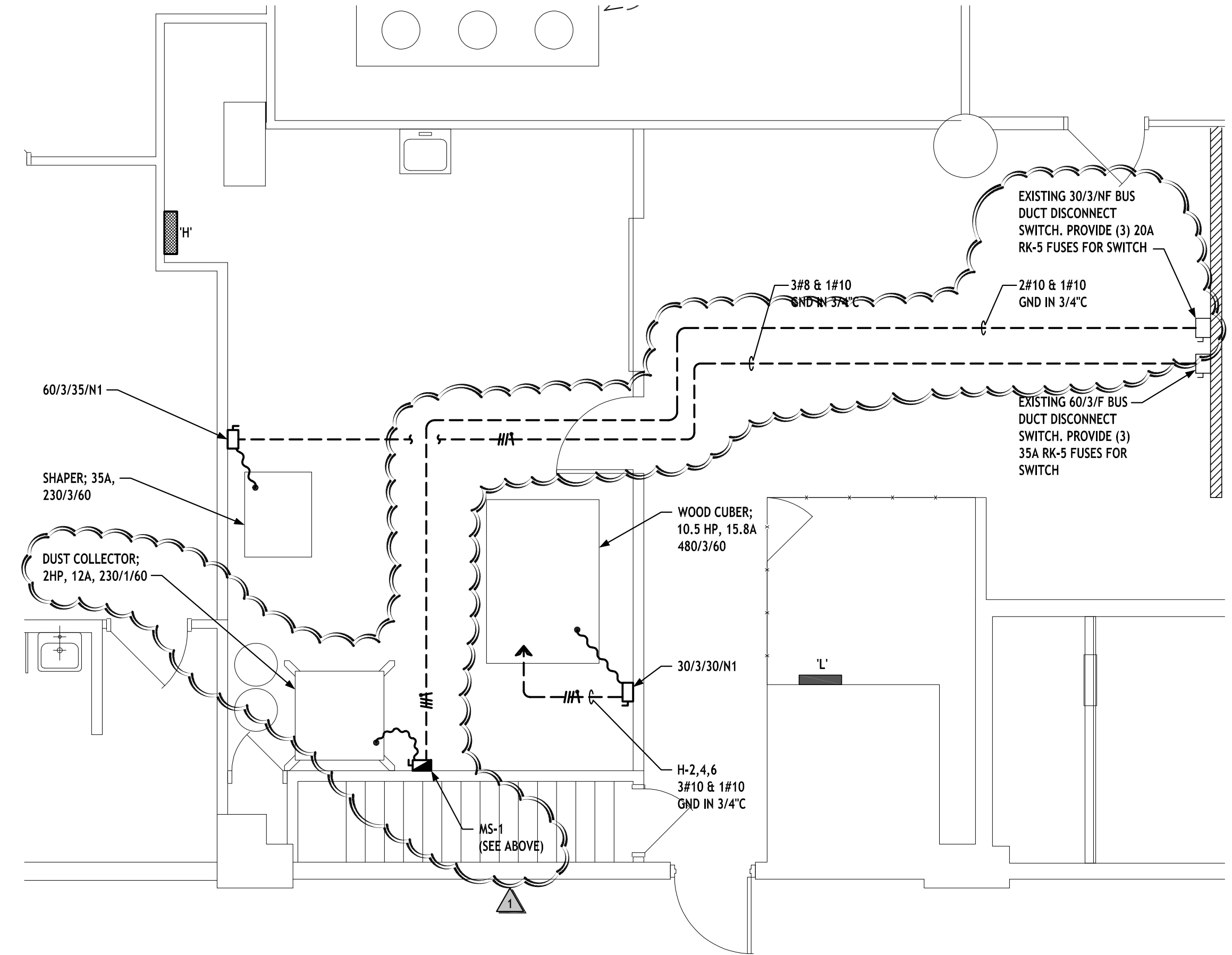


Key Plan
 No Scale

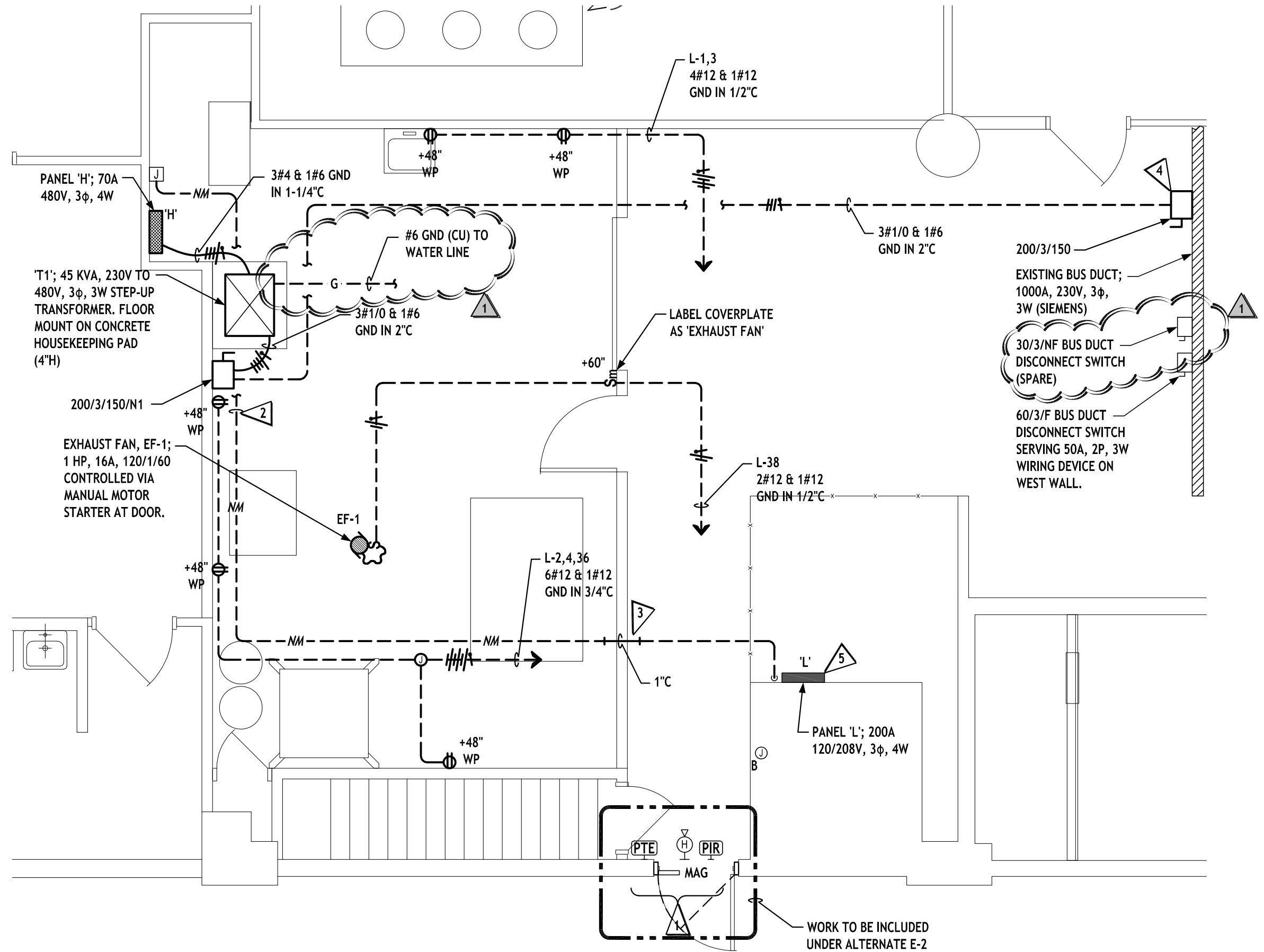
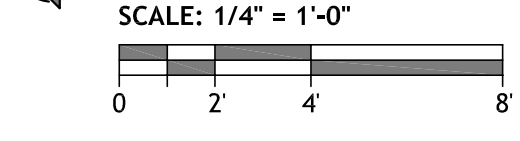
MS-1
 COMBINATION MOTOR STARTER, SIZE 1', 250V, 2-POLE WITH 120V CONTROL XFMR, RED 'RUN' PILOT LIGHT, H-O-A SELECTOR SWITCH, (2) NO & NC AUXILIARY CONTACTS, 30A DISCONNECT SWITCH WITH (2) 20A FUSES IN NEMA 1 ENCLOSURE.

REFERENCE NOTES: (THESE NOTES APPLY TO THIS PLAN ONLY)

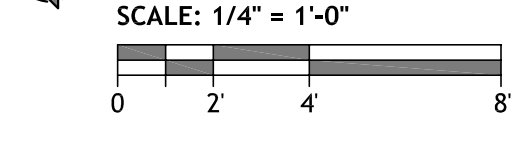
- 1 REINSTALL ELECTRICAL DEVICES (EXIT SIGN, DOOR MAGNETIC, PUSH-TO-EXIT STATION, PASSIVE INFRARED SENSOR AND SECURITY HORN) AT DOOR ONCE DOOR IS IN PLACE. (ALTERNATE E-2)
- 2 REINSTALL NM CABLE (8/3) EXPOSED IN BAR JOIST FROM NEAR PANEL 'L' TO JUNCTION BOX IN NORTHWEST CORNER OF SPACE AND RECONNECT IN BOX. SUPPORT CABLE IN BAR JOIST PER NEC REQUIREMENTS.
- 3 PROVIDE 1" STEEL SLEEVE IN NEW WALL FOR NM CABLE. FIRESTOP AT BOTH ENDS OF SLEEVE.
- 4 PROVIDE NEW BUS PLUG DISCONNECT SWITCH, 200A, 3P, 250V FOR SIEMENS/ITE BUS DUCT. UNIT SHALL BE CATALOG #BOS14324 AND SHALL INCLUDE ALL MOUNTING HARDWARE. INSTALL UNIT TO THE BUS DUCT AND PROVIDE (3) 150A, RK-5 FUSES IN SWITCH TO SERVE TRANSFORMER T1.
- 5 PROVIDE (6) 20A/1P CIRCUIT BREAKERS IN EXISTING GENERAL ELECTRIC PANEL FOR NEW LOADS IN WOOD WORKING ROOM. BREAKERS SHALL BE GE TYPE THOB AND SHALL BE PLACED IN SPACES 1, 2, 3, 4, 36 AND 38. UPDATE PANELBOARD DIRECTORY TO REFLECT NEW LOADS AFTER PROJECT IS COMPLETE.



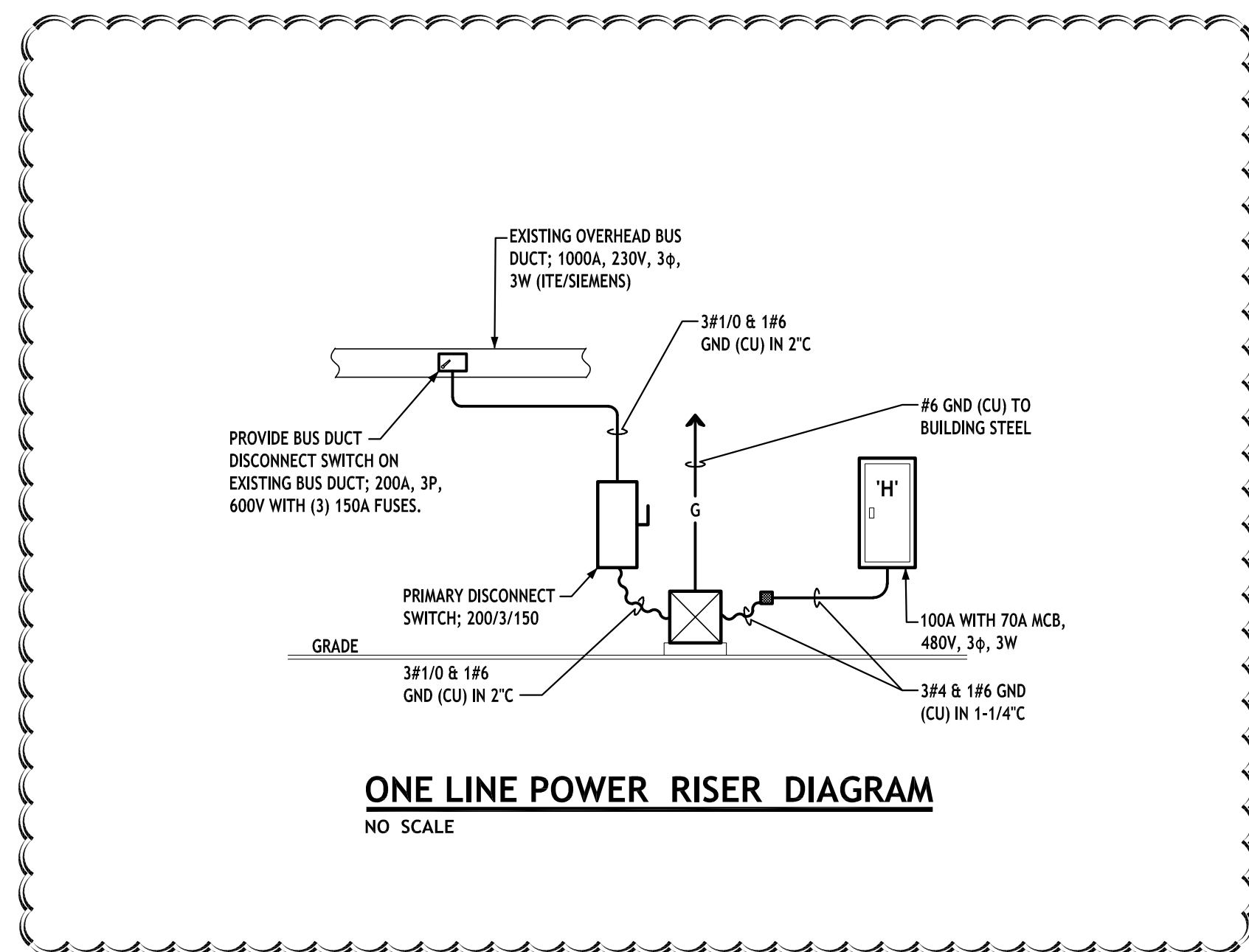
PARTIAL FIRST FLOOR ELECTRICAL PLAN EQUIPMENT (NEW WORK)



PARTIAL FIRST FLOOR PLAN POWER/SYSTEMS (NEW WORK)



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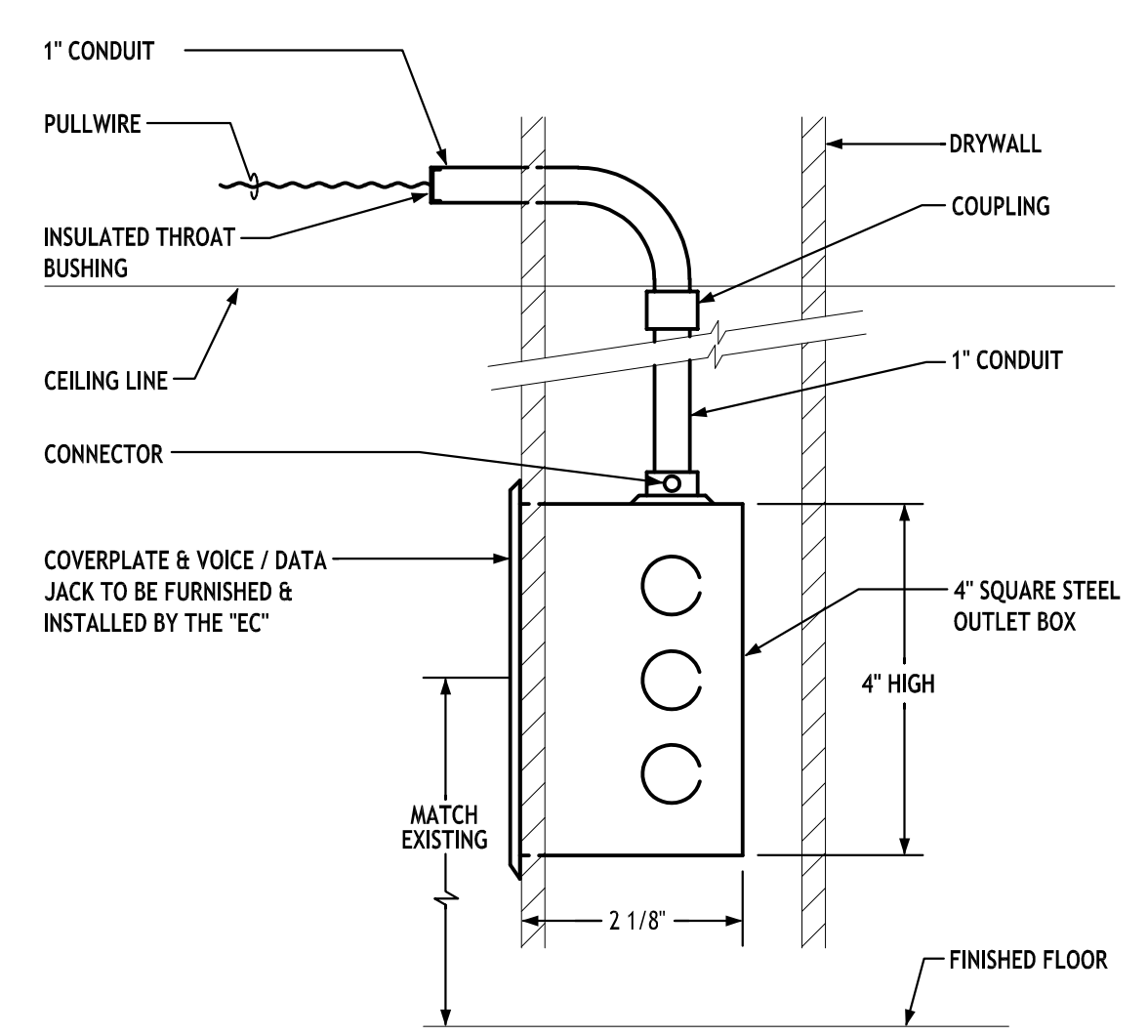


ELECTRICAL LOADS	
EQUIPMENT	13125 VA
TOTAL	13125 VA
CONTINUOUS LOAD (125%)	16407 VA
NON-CONTINUOUS LOAD (100%)	0 VA
SERVICE SIZE (SUM OF CONTINUOUS & NON-CONTINUOUS LOADS)	16407 VA
TOTAL AMPERES	20 AMPS
70 AMPERE SERVICE AT 277/480V, 3-PHASE, 4-WIRE IS ADEQUATE	

LIGHTING FIXTURE SCHEDULE				
TYPE	MFG.	CAT. NO.	WATTS	DESCRIPTION
A	LITHONIA	VAP 6000 LM FST WD MVOLT GZ10 40K 80CRI	60	12"W x 48"L x 7-1/2"D LED VAPORTIGHT FIXTURE WITH WHITE FIBERGLASS HOUSING, FROSTED PRISMATIC DIFFUSER, 6000 LUMEN, 60W, 80 CRI, 4000K COLOR TEMPERATURE AND 0-10V DIMMING DRIVER. CHAIN MOUNTED FROM STRUCTURE.
☞	LITHONIA	ELM2 LED	10	SURFACE EMERGENCY LIGHT WITH (2) LED HEADS, WHITE THERMOPLASTIC HOUSING, 3.6 VOLT NICKEL-CADMIUM 90-MINUTE BATTERY AND SELF-TEST SWITCH. MOUNT ON WALL AT 96" ABOVE FINISHED FLOOR.

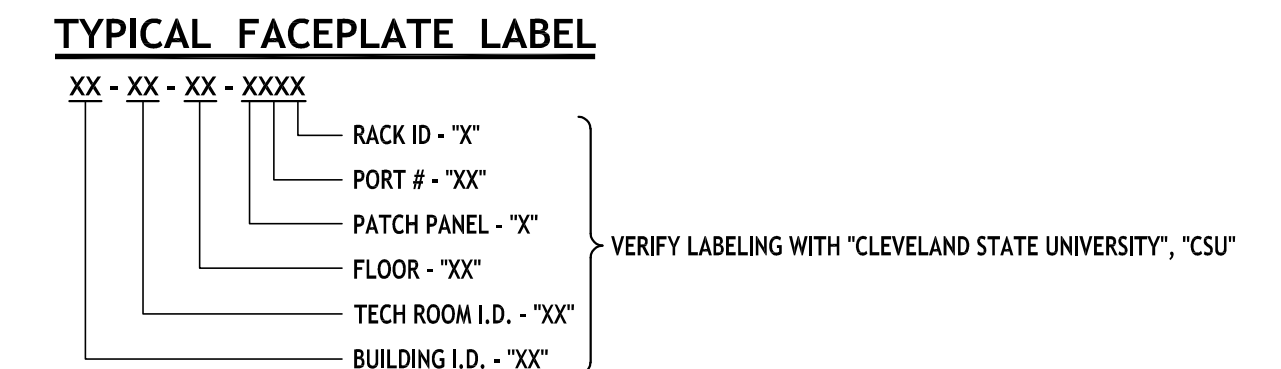
SYMBOL	DESCRIPTION
☐	FLUORESCENT OR LED LIGHT FIXTURE
S S3 S4	LIGHT SWITCH - SINGLE POLE, 3-WAY AND 4-WAY, 42" AFF UNLESS OTHERWISE NOTED. SHALL BE 'ROCKER' TYPE IN ALL TENANT UNITS
☐ 30/3/20/NF	DISCONNECT SWITCH, 600V: 30 - AMPERE, 3 - POLE, 20 - FUSE, NF - NON FUSED
☐	COMBINATION MOTOR STARTER. SEE DRAWINGS FOR DESCRIPTION.
☐	PANELBOARDS - SEE DRAWINGS FOR DETAILS
☐	TRANSFORMER WITH HOUSEKEEPING PAD - SEE DRAWINGS FOR DETAILS
☐	FIRE ALARM SYSTEM HORN / STROBE DEVICE
☐	DUPLEX RECEPTACLE, GROUNDING TYPE, 125V, 20A, 18" AFF UNLESS OTHERWISE NOTED
☐	QUADRUPLE RECEPTACLE, (2 DUPLEX), GROUNDING TYPE, 125V, 20A, 18" AFF UNLESS OTHERWISE NOTED
☐	INDICATES FLEXIBLE CONNECTION FROM JUNCTION BOX TO DEVICE
☐	CONDUIT AND/OR WIRE RUN CONCEALED IN CEILING AND/OR WALL
☐ B-2	INDICATES HOMERUN TO PANEL - EX.: PANEL "B" CIRCUIT #2
☐ 2D	COMBINATION VOICE / DATA OUTLET, 18" AFF UNLESS NOTED OTHERWISE
☐	JUNCTION BOX (ABBREVIATED J.B.)
☐	INDICATES GROUND CONDUCTOR
"EC"	ELECTRICAL CONTRACTOR
"GC"	GENERAL CONTRACTOR
"MC"	MECHANICAL CONTRACTOR
NL	INDICATES NIGHT LIGHT
WP	INDICATES WEATHERPROOF
GFI	INDICATES "GROUND FAULT INTERRUPTER"
AFC	INDICATES "ABOVE FINISHED CEILING", MEASURED TO CENTER OF DEVICE
AFF	INDICATES "ABOVE FINISHED FLOOR", MEASURED TO CENTER OF DEVICE
BFC	INDICATES "BELOW FINISHED CEILING", MEASURED TO CENTER OF DEVICE
N1	INDICATES NEMA 1 ENCLOSURE
N3R	INDICATES NEMA 3R ENCLOSURE

NEW PANEL: 'H'											
VOLTAGE: 480 VOLT, 3 PHASE, 3 WIRE						REMARKS: 100A WITH 70A MAIN CIRCUIT BREAKER					
VA	USE	POLE	AMP	CIRCUIT	PHASE	VA	USE	POLE	AMP	CIRCUIT	PHASE
	SPARE	3	20	11	A	4375	WOOD CUBER	3	30	2	B
	SPARE	3	15	12	A	4375	SPARE	3	20	3	B
	SPARE	3	15	13	A	4375	SPARE	3	20	3	B
	SPARE	3	15	14	A	4375	SPARE	3	20	3	B
	SPARE	3	15	15	A	4375	SPARE	3	20	3	B
	SPARE	3	15	16	A	4375	SPARE	3	20	3	B
	SPARE	3	15	17	A	4375	SPARE	3	20	3	B
	SPARE	3	15	18	A	4375	SPARE	3	20	3	B
	SPARE	3	15	19	A	4375	SPARE	3	20	3	B
	SPARE	3	15	20	A	4375	SPARE	3	20	3	B
	SPARE	3	15	21	A	4375	SPARE	3	20	3	B
	SPARE	3	15	22	A	4375	SPARE	3	20	3	B
	SPARE	3	15	23	A	4375	SPARE	3	20	3	B
MOUNTING: SURFACE				GROUND BUS				A.I.C. RATING: 14,000			



POSITION	JACK TYPE	JACK COLOR	ICON TYPE	ICON COLOR	CABLE TYPE	CABLE COLOR
A	RJ45	BLACK	VOICE	GREEN	CAT6	WHITE
B	CAT6 RJ45	BLACK	DATA	BLUE	CAT6	WHITE

VERIFY WITH 'CLEVELAND STATE UNIVERSITY', 'CSU'



ISSUE DATE: 04.10.17
ADDENDUM #1 05-05-17

STATE OF OHIO
T.M. JONES
E-57480
REGISTERED PROFESSIONAL ENGINEER

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1168 E. 25TH STREET, CLEVELAND, OH 44114

405 BRADLEY BUILDING 1220 WEST SIXTH STREET CLEVELAND, OHIO 44113
PHONE: (216) 241-6800
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ELECTRICAL SCHEDULES & DETAILS

PA PROJECT NO. 2017-08
CURRENT DATE LF-1703

E201

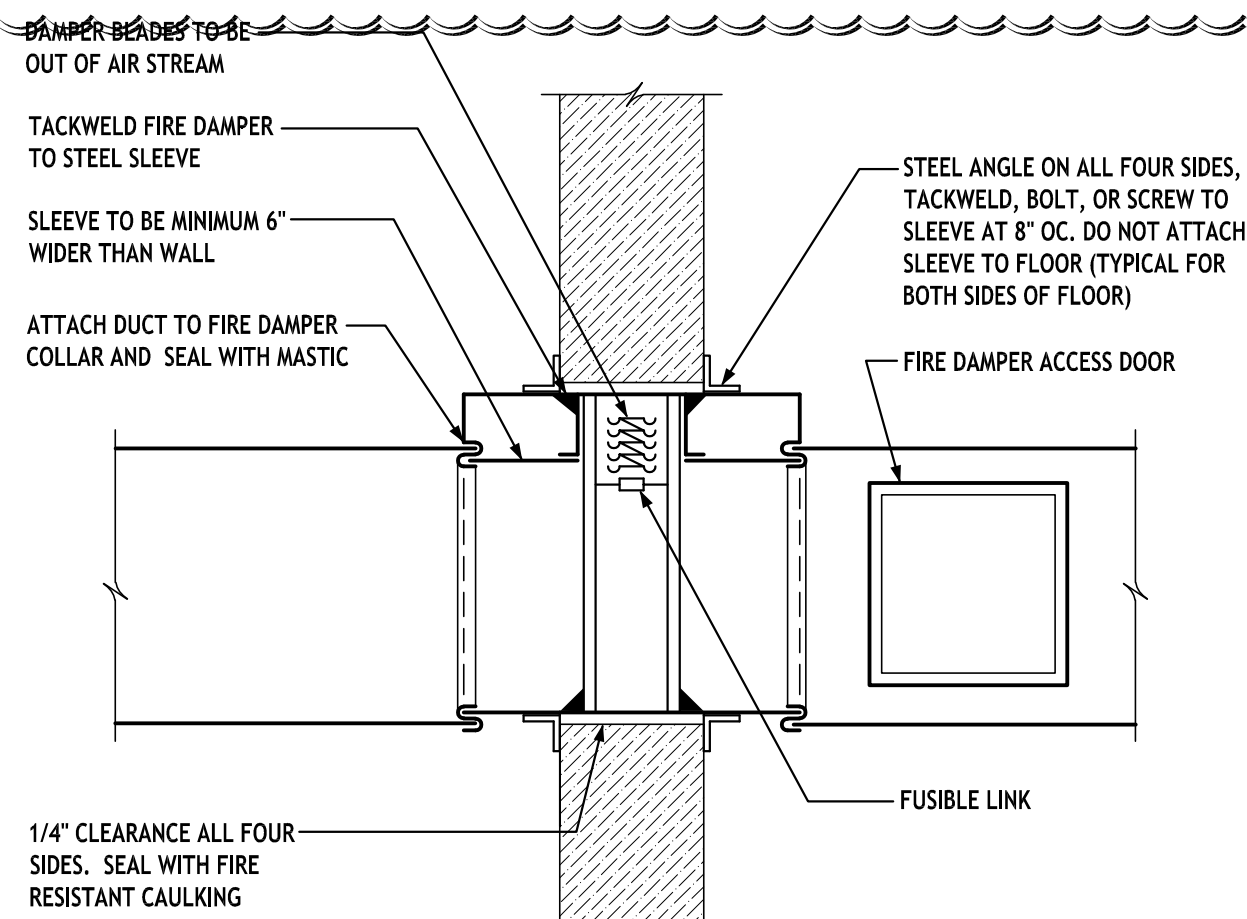
BIDDING & CONSTRUCTION DOCUMENTS

ENGINEERING GROUP, LLC
Consulting Engineers
1531 Boettler Road Suite 'B'
Uniontown, Ohio 44685
www.epic-eeg.com 330-899-4955

17046

OUTDOOR AIR SCHEDULE							
UNIT	OCCUPANCY CLASSIFICATION	AREA (SQ FT)	OCCUPANT DENSITY/1000 SQFT	OCCUPANTS	CFM PER PERSON	CFM PER SQFT	TOTAL
	WOODSHOP	411		2	10	.18	94
							Vbz: 94
							Ez: 0.8
							Vot: 118
							Actual: 1935
							Exhaust: 1935
							NET: -1935

- NOTES:**
- CALCULATIONS BASED UPON OHIO MECHANICAL CODE SECTION 403.
 - SET OUTDOOR AIR DAMPER ON UNIT FOR Actual LISTED ABOVE.
 - WOOD SHOP EXHAUST CALCULATION: (411 SQ.FT. * 0.5 CFM/SQ.FT.) = 206 CFM OF EXHAUST.
 - 1935 CFM MAKE-UP AIR PROVIDED FROM EXISTING 5000 CFM MAKE-UP AIR UNIT SERVING OPEN WAREHOUSE SPACE.



NOTE:
FIRE DAMPERS TO BE U.L. LABELED. THIS DETAIL ILLUSTRATES GENERAL REQUIREMENTS ONLY. THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND DETAILS (AS TESTED AND APPROVED BY U.L.) MUST BE USED FOR THE ACTUAL INSTALLATION.

VERTICAL FIRE DAMPER DETAIL
NO SCALE

FAN SCHEDULE											
TAG	MANUFACTURER	MODEL	FLOW TYPE	CFM	ESP	FAN RPM	BHP	HP	VOLTAGE/PHASE	DRIVE	COMMENTS
EF-1	COOK	120SQB	EXHAUST	1935	0.25	2226	.772	1.0	115/1	DIRECT	ALL

LOUVER SCHEDULE									
TAG ID	MANUFACTURE	MODEL	SIZE	TYPE	FREE AREA (SQ.FT.)	FRAME DEPTH	AIR FLOW (CFM)	VELOCITY (FPM)	COMMENTS
L-1	RUSKIN	ELF375DX	36"x18"	ALUM.	2.92	6"	1935	662	1,2,3

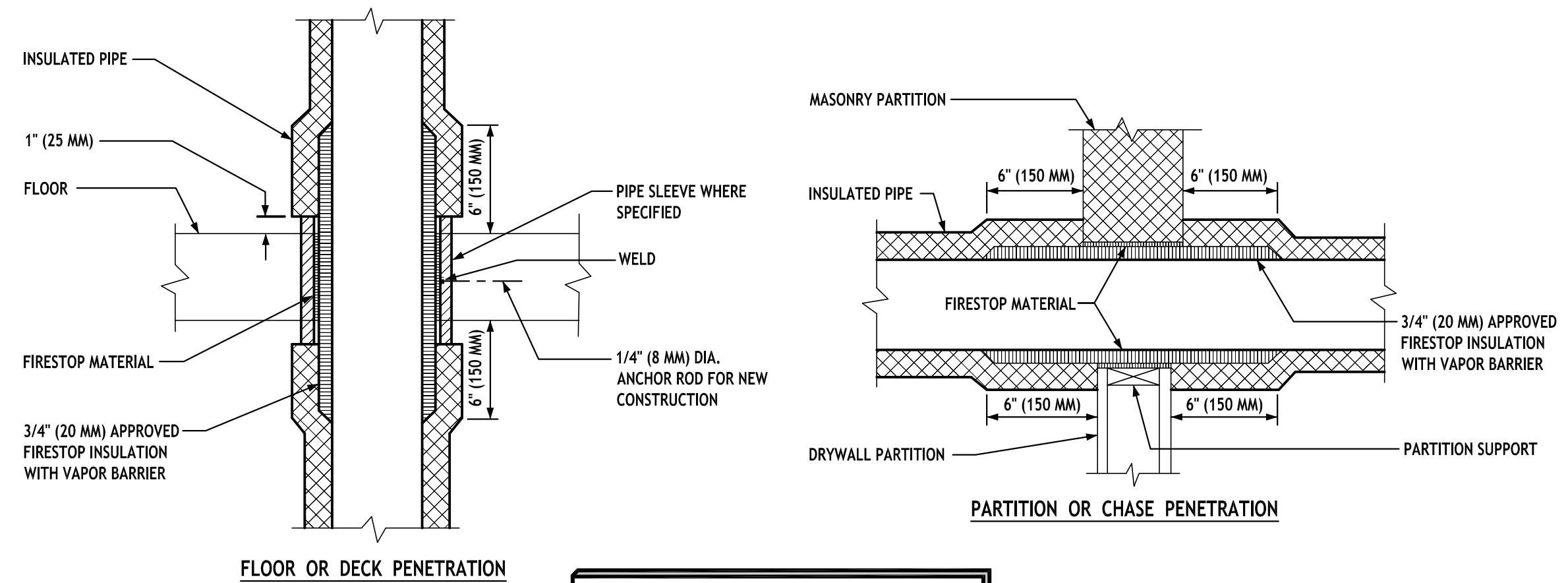
- NOTES:**
- AMCA CERTIFIED.
 - PROVIDE WITH ALUMINUM BIRD SCREEN.
 - FULLY DRAINABLE.

GRILLES, REGISTERS & DIFFUSERS SCHEDULE						
TAG	MANUFACTURER	MODEL	FLOW TYPE	SIZE	MOUNTING TYPE	COMMENTS
E1	TITUS	350RL	EXHAUST		SURFACE	ALL

- NOTES:**
- STEEL CONSTRUCTION
 - REFER TO DRAWING FOR GRILL SIZE

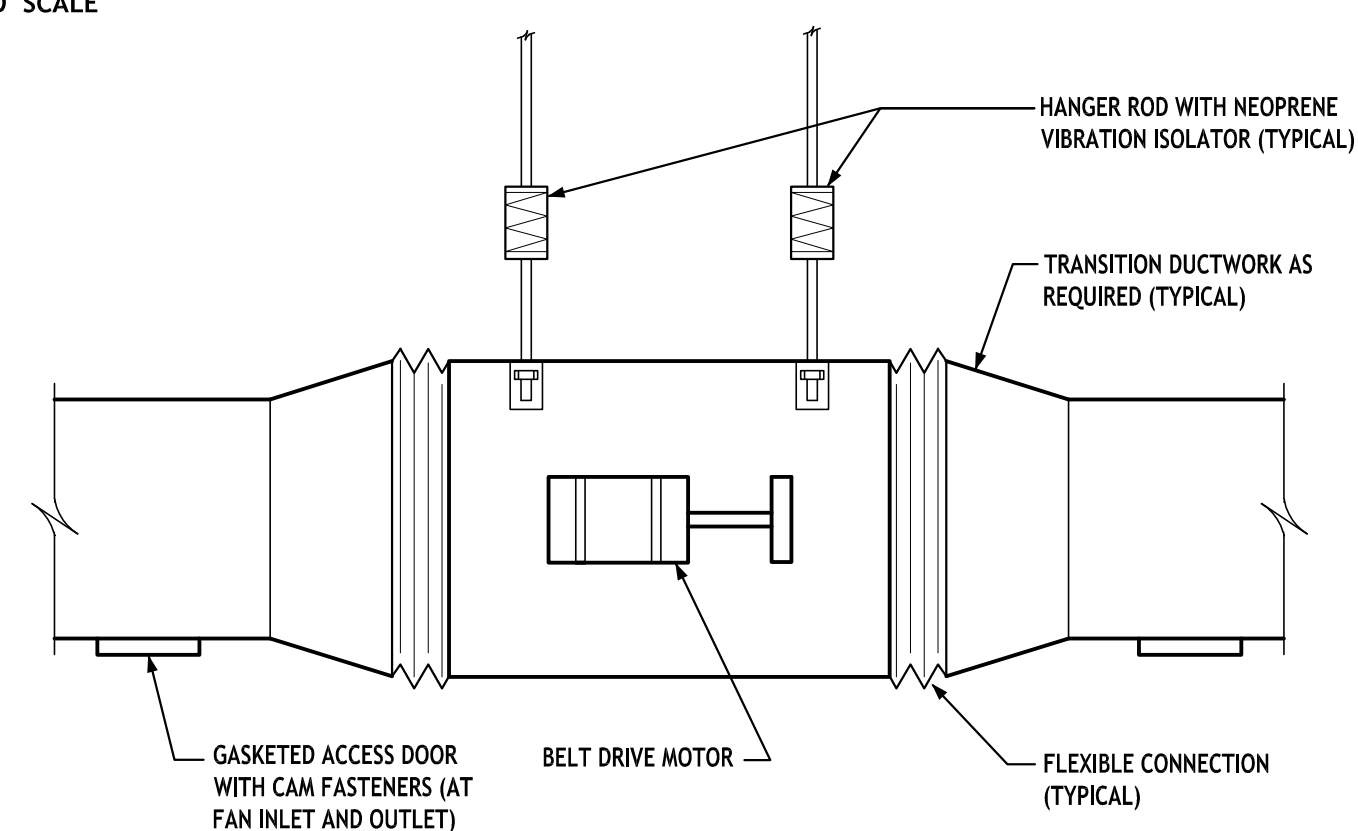
SYMBOL LEGEND	
SYMBOL	DESCRIPTION
EF-1	EXHAUST FAN
L-1	LOUVER
FD-1	FIRE DAMPER
⊕	HAND SWITCH
⊕ (E1 200/8'0)	EXHAUST AIR DEVICE

FD-1: FIRE DAMPER SCHEDULE	
FIRE DAMPER EQUAL TO "RUSKIN" MODEL #DIBD2, STYLE B. 1-1/2 HOUR RATING, DYNAMIC TYPE WITH 24 GAGE GALVANIZED STEEL CURTAIN AND INTEGRAL SLEEVE. INCLUDE DUCT ACCESS DOOR.	



NOTE:
1. APPLICABLE TO PENETRATIONS OF ALL FIRE RATED MEMBRANES, IN ACCORDANCE WITH NFPA 101. REFER TO SPECIFICATIONS SECTION 07270, FIRE STOPPING SYSTEMS.

DUCT/PIPE PENETRATION OF FIRE / SMOKE BARRIERS
NO SCALE



INLINE EXHAUST FAN DETAIL
NO SCALE

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MECHANICAL SCHEDULES & DETAILS

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