REQUEST FOR QUOTATION – THIS IS NOT AN ORDER
RFQ # 180514
GENERAL CONSTRUCTION OF ELECTRICAL AND UPS ROOM
HOMEWOOD BRUSHTON CENTER, 701 N. HOMEWOOD AVE, PITTSBURGH, PA 15208

Please bid on the following and e-mail (mcvetic@ccac.edu) your reply to Mike Cvetic **no later than Monday, May 14, 2018.**

A MANDATORY pre-bid meeting and site visitation will be held at 9:00 a.m. on Friday, May 4, 2018. Meet in the lobby of the Homewood Brushton Center, 701 N. Homewood Ave, Pittsburgh, PA 15208.

An insurance certificate as described on "Form B" (attached) must be submitted by the awarded vendor prior to any service being performed.

Payment terms: net 30 after completion of services on a monthly basis and receipt of invoice by CCAC. Vendor must be willing to invoice CCAC and allow 30 days for payment.

Scope of Work:

Provide all labor, material, equipment, and supervision required to construct an electrical and UPS room at Homewood Brushton Center in accordance with the specifications and drawings contained herein

Sections: 081113, 87100, 92216, 92900
Drawings: G001, A101, A801

Lump Sum Bid $_____

Bidder's Name: _____

Company Name: _____

Phone: _____ Fax: _____

SECTION 081113 - HOLLOW METAL DOORS AND FRAMES

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes hollow-metal work.

1.2 DEFINITIONS

A. Minimum Thickness: Minimum thickness of base metal without coatings according to NAAMM-HMMA 803 or SDI A250.8.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product.

B. Shop Drawings: Include elevations, door edge details, frame profiles, metal thicknesses, preparations for hardware, and other details.

C. Schedule: Prepared by or under the supervision of supplier, using same reference numbers for details and openings as those on Drawings.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to the following:
   1. Curries Company; ASSA ABLOY.
   2. Gensteel Doors, Inc.
   3. Steelcraft; an Allegion brand.

2.2 INTERIOR DOORS AND FRAMES

A. Standard-Duty Doors and Frames: SDI A250.8, Level 1. At locations indicated in the Door and Frame Schedule.

   1. Physical Performance: Level C according to SDI A250.4.
   2. Doors:

      a. Type: As indicated in the Door and Frame Schedule.
      b. Thickness: 1-3/4 inches (44.5 mm)
      c. Face: Uncoated, cold-rolled steel sheet, minimum thickness of 0.032 inch (0.8 mm).
      d. Edge Construction: Model 1, Full Flush
      e. Core: Manufacturer's standard.

3. Frames:

    a. Materials: Uncoated, cold-rolled steel sheet, minimum thickness of 0.042 inch (1.0 mm).
    b. Construction: Knocked down.

4. Exposed Finish: Prime.

2.3 FRAME ANCHORS

A. Jamb Anchors:

1. Stud-Wall Type: Designed to engage stud, welded to back of frames; not less than 0.042 inch (1.0 mm) thick.
2. Postinstalled Expansion Type for In-Place Concrete or Masonry: Minimum 3/8-inch-(9.5-mm-) diameter bolts with expansion shields or inserts. Provide pipe spacer from frame to wall, with throat reinforcement plate, welded to frame at each anchor location.

B. Floor Anchors: Formed from same material as frames, minimum thickness of 0.042 inch (1.0 mm), and as follows:

1. Monolithic Concrete Slabs: Clip-type anchors, with two holes to receive fasteners.

2.4 MATERIALS

A. Cold-Rolled Steel Sheet: ASTM A 1008/A 1008M, Commercial Steel (CS), Type B; suitable for exposed applications.

B. Frame Anchors: ASTM A 879/A 879M, Commercial Steel (CS), 04Z (12G) coating designation; mill phosphatized.

C. Inserts, Bolts, and Fasteners: Hot-dip galvanized according to ASTM A 153/A 153M.

D. Grout: ASTM C 476, except with a maximum slump of 4 inches (102 mm), as measured according to ASTM C 143/C 143M.

2.5 FABRICATION

A. Fabricate hollow-metal work to be rigid and free of defects, warp, or buckle. Accurately form metal to required sizes and profiles, with minimum radius for metal thickness. Where practical, fit and assemble units in manufacturer's plant. To ensure proper assembly at Project site, clearly identify work that cannot be permanently factory assembled before shipment.

B. Hollow-Metal Frames: Where frames are fabricated in sections due to shipping or handling limitations, provide alignment plates or angles at each joint, fabricated of same thickness metal as frames.

1. Provide countersunk, flat- or oval-head exposed screws and bolts for exposed fasteners unless otherwise indicated.
2. Grout Guards: Weld guards to frame at back of hardware mortises in frames to be grouted.

3. Floor Anchors: Weld anchors to bottoms of jambs with at least four spot welds per anchor; however, for slip-on drywall frames, provide anchor clips or countersunk holes at bottoms of jambs.
4. Jamb Anchors: Provide number and spacing of anchors as follows:

    a. Masonry Type: Locate anchors not more than 16 inches (406 mm) from top and bottom of frame. Space anchors not more than 32 inches (813 mm) o.c., to match coursing, and as follows:
        1) Three anchors per jamb from 60 to 90 inches (1524 to 2286 mm) high.

    b. Stud-Wall Type: Locate anchors not more than 18 inches (457 mm) from top and bottom of frame. Space anchors not more than 32 inches (813 mm) o.c. and as follows:
        1) Four anchors per jamb from 60 to 90 inches (1524 to 2286 mm) high.

C. Hardware Preparation: Factory prepare hollow-metal work to receive templated mortised hardware; include cutouts, reinforcement, mortising, drilling, and tapping according to SDI A250.6, the Door Hardware Schedule, and templates.

1. Reinforce doors and frames to receive nontemplated, mortised, and surface-mounted door hardware.
2. Comply with applicable requirements in SDI A250.6 and BHMA A156.115 for preparation of hollow-metal work for hardware.

2.6 STEEL FINISHES

A. Prime Finish: Clean, pretreat, and apply manufacturer's standard primer.

1. Shop Primer: SDI A250.10.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Hollow-Metal Frames: Install hollow-metal frames for doors of size and profile indicated. Comply with SDI A250.11 or NAAMM-HMMA 840 as required by standards specified.

1. Set frames accurately in position; plumbed, aligned, and braced securely until permanent anchors are set. After wall construction is complete, remove temporary braces, leaving surfaces smooth and undamaged.
    a. Where frames are fabricated in sections because of shipping or handling limitations, field splice at approved locations by welding face joint continuously; grind, fill, dress, and make splice smooth, flush, and invisible on exposed faces.
    b. Install frames with removable stops located on secure side of opening.
    c. Remove temporary braces necessary for installation only after frames have been properly set and secured.
    d. Check plumb, square, and twist of frames as walls are constructed. Shim as necessary to comply with installation tolerances.

2. Floor Anchors: Provide floor anchors for each jamb and mullion that extends to floor, and secure with postinstalled expansion anchors.

a. Floor anchors may be set with power-actuated fasteners instead of postinstalled expansion anchors if so indicated and approved on Shop Drawings.

3. In-Place Concrete or Masonry Construction: Secure frames in place with postinstalled expansion anchors. Countersink anchors, and fill and make smooth, flush, and invisible on exposed faces. Coordinate installation of frames to allow for solidly filling space between frames and masonry with grout.
4. Installation Tolerances: Adjust hollow-metal door frames for squareness, alignment, twist, and plumb to the following tolerances:

    a. Squareness: Plus or minus 1/16 inch (1.6 mm), measured at door rabbet on a line 90 degrees from jamb perpendicular to frame head.
    b. Alignment: Plus or minus 1/16 inch (1.6 mm), measured at jambs on a horizontal line parallel to plane of wall.
    c. Twist: Plus or minus 1/16 inch (1.6 mm), measured at opposite face corners of jambs on parallel lines, and perpendicular to plane of wall.
    d. Plumbness: Plus or minus 1/16 inch (1.6 mm), measured at jambs at floor.

B. Hollow-Metal Doors: Fit hollow-metal doors accurately in frames, within clearances specified below. Shim as necessary.

1. Non-Fire-Rated Steel Doors:

    a. Between Door and Frame Jambs and Head: 1/8 inch (3.2 mm) plus or minus 1/32 inch (0.8 mm).
    b. At Bottom of Door: 3/4 inch (19.1 mm) plus or minus 1/32 inch (0.8 mm).
    c. Between Door Face and Stop: 1/16 inch (1.6 mm) to 1/8 inch (3.2 mm) plus or minus 1/32 inch (0.8 mm).

3.2 ADJUSTING AND CLEANING

A. Final Adjustments: Check and readjust operating hardware items immediately before final inspection. Leave work in complete and proper operating condition. Remove and replace defective work, including hollow-metal work that is warped, bowed, or otherwise unacceptable.

B. Remove grout and other bonding material from hollow-metal work immediately after installation.

C. Prime-Coat Touchup: Immediately after erection, sand smooth rusted or damaged areas of prime coat and apply touchup of compatible air-drying, rust-inhibitive primer.

D. Touchup Painting: Cleaning and touch up painting of abraded areas of paint in order to meet finish level specified on drawings.

END OF SECTION

SECTION 087100 - DOOR HARDWARE

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes:

1. Mechanical door hardware for the following:

a. Swinging doors.

B. Products furnished, but not installed, under this Section include the products listed below. Coordinating and scheduling the purchase and delivery of these products remain requirements of this Section.

1. Permanent lock cores to be installed by Owner.

1.2 ACTION SUBMITTALS

A. Product Data: For each type of product indicated.

B. Other Action Submittals:

1. Door Hardware Schedule: Prepared by or under the supervision of Installer, detailing fabrication and assembly of door hardware, as well as installation procedures and diagrams. Coordinate final door hardware schedule with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.

a. Format: Use same scheduling sequence and format and use same door numbers as in the Contract Documents.
b. Content: Include the following information:

1) Identification number, location, hand, size, and material of each door and frame.
2) Locations of each door hardware set, cross-referenced to Drawings on floor plans and to door and frame schedule.
3) Complete designations, including name and manufacturer, type, style, function, size, quantity, function, and finish of each door hardware product.

2. Keying Schedule: Prepared by or under the supervision of Installer, detailing Owner's final keying instructions for locks.

1.3 MAINTENANCE MATERIAL SUBMITTALS

A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.

1. Door Hardware: Provide one (1) additional set of each type of hardware specified.

1.4 QUALITY ASSURANCE

A. Installer Qualifications: Supplier of products and an employer of workers trained and approved by product manufacturers.

B. Accessibility Requirements: Comply with applicable provisions in the DOJ's 2010 ADA Standards for Accessible Design and ICC A117.1 for door hardware on doors in an accessible route.

1. Provide operating devices that do not require tight grasping, pinching, or twisting of the wrist and that operate with a force of not more than 5 lbf (22.2 N).
2. Comply with the following maximum opening-force requirements:

    a. Interior, Non-Fire-Rated Hinged Doors: 5 lbf (22.2 N) applied perpendicular to door.
3. Closers: Adjust door and gate closer sweep periods so that, from an open position of 90 degrees, the time required to move the door to a position of 12 degrees from the latch is 5 seconds minimum.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Deliver keys and permanent cores to Owner by registered mail or overnight package service.

1.6 WARRANTY

A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of door hardware that fails in materials or workmanship within specified warranty period.

1. Warranty Period: Three years from date of Substantial Completion, unless otherwise indicated.
    a. Exit Devices: Two years from date of Substantial Completion.
    b. Manual Closers: 10 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 SCHEDULED DOOR HARDWARE

A. Provide door hardware for each door as scheduled on Drawings to comply with requirements in this Section.

1. Door Hardware Sets: Provide quantity, item, size, finish or color indicated, and products equivalent in function and comparable in quality to named products.

2.2 HINGES

A. Hinges: BHMA A156.1. Provide template-produced hinges for hinges installed on hollow-metal doors and hollow-metal frames.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

    a. Allegion plc.
    b. Stanley Commercial Hardware; a division of Stanley Security Solutions.

2.3 MECHANICAL LOCKS AND LATCHES

A. Strikes: Provide manufacturer's standard strike for each lock bolt or latchbolt complying with requirements indicated for applicable lock or latch and with strike box and curved lip extended to protect frame; finished to match lock or latch.

B. Mortise Locks: BHMA A156.13; Operational; stamped steel case with steel or brass parts; Series 1000.

1. Manufacturers: Subject to compliance with requirements, provide products by the following:

    a. Best Access Systems; Stanley Security Solutions, Inc.

2.4 EXIT DEVICES AND AUXILIARY ITEMS

A. Exit Devices and Auxiliary Items: BHMA A156.3.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
    a. Precision Hardware, Inc.; a Stanley company.

2.5 LOCK CYLINDERS

A. Lock Cylinders: Tumbler type, constructed from brass or bronze, stainless steel, or nickel silver.

1. Manufacturer: Same manufacturer as for locking devices.

2.6 KEYING

A. Keying System: Factory registered, complying with guidelines in BHMA A156.28, Appendix A.
    1. Existing System:

        a. Master key or grand master key locks to Owner's existing system.

    2. Keyed Alike: Key all cylinders to same change key.

B. Keys: Nickel silver or Brass.

1. Stamping: Permanently inscribe each key with a visual key control number and include the following notation:

    a. Notation: Information to be furnished by Owner.

2. Quantity: In addition to one extra key blank for each lock, provide the following:

    a. Cylinder Change Keys: Two.
    b. Master Keys: Three.

2.7 SURFACE CLOSERS

A. Surface Closers: BHMA A156.4; rack-and-pinion hydraulic type with adjustable sweep and latch speeds controlled by key-operated valves and forged-steel main arm. Comply with manufacturer's written recommendations for size of door closers depending on size of door, exposure to weather, and anticipated frequency of use. Provide factory-sized closers, adjustable to meet field conditions and requirements for opening force.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

    a. Allegion plc.
    b. SARGENT Manufacturing Company; ASSA ABLOY.

2.8 FABRICATION

A. Fasteners: Provide door hardware manufactured to comply with published templates prepared for machine, wood, and sheet metal screws. Provide screws that comply with commercially recognized industry standards for application intended, except aluminum fasteners are not permitted. Provide Phillips flat-head screws with finished heads to match surface of door hardware, unless otherwise indicated.

2.9 FINISHES

A. Provide finishes complying with BHMA A156.18.

B. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Steel Doors and Frames: For surface applied door hardware, drill and tap doors and frames according to ANSI/SDI A250.6.

B. Mounting Heights: Mount door hardware units at heights to comply with the following unless otherwise indicated or required to comply with governing regulations.

1. Standard Steel Doors and Frames: ANSI/SDI A250.8.

C. Install each door hardware item to comply with manufacturer's written instructions. Where cutting and fitting are required to install door hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation of surface protective trim units with finishing work. Do not install surface-mounted items until finishes have been completed on substrates involved.

1. Set units level, plumb, and true to line and location. Adjust and reinforce attachment substrates as necessary for proper installation and operation.
2. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors according to industry standards.

D. Hinges: Install types and in quantities indicated in door hardware schedule but not fewer than the number recommended by manufacturer for application indicated or one hinge for every 30 inches (750 mm) of door height, whichever is more stringent, unless other equivalent means of support for door, such as spring hinges or pivots, are provided.

E. Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.

END OF SECTION

SECTION 092216 - NON-STRUCTURAL METAL FRAMING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Non-load-bearing steel framing systems for interior partitions.

1.2 ACTION SUBMITTALS

A. Product Data: For each type of product.

PART 2 - PRODUCTS

2.1 FRAMING SYSTEMS

A. Framing Members, General: Comply with ASTM C 754 for conditions indicated.

1. Steel Sheet Components: Comply with ASTM C 645 requirements for metal unless otherwise indicated.
2. Protective Coating: ASTM A 653/A 653M, G40 (Z120) hot-dip galvanized unless otherwise indicated.

B. Studs and Runners: ASTM C 645.

1. Steel Studs and Runners:

a. Minimum Base-Metal Thickness: As indicated on Drawings
b. Depth: As indicated on Drawings

C. Slip-Type Head Joints: Where indicated, provide one of the following:

1. Deflection Track: Steel sheet top runner manufactured to prevent cracking of finishes applied to interior partition framing resulting from deflection of structure above; in thickness not less than indicated for studs and in width to accommodate depth of studs.

2.2 AUXILIARY MATERIALS

A. General: Provide auxiliary materials that comply with referenced installation standards.

1. Fasteners for Metal Framing: Of type, material, size, corrosion resistance, holding power, and other properties required to fasten steel members to substrates.

PART 3 - EXECUTION

3.1 INSTALLATION, GENERAL

A. Installation Standard: ASTM C 754.

1. Gypsum Board Assemblies: Also comply with requirements in ASTM C 840 that apply to framing installation.

B. Install framing and accessories plumb, square, and true to line, with connections securely fastened.

C. Install bracing at terminations in assemblies.

3.2 INSTALLING FRAMED ASSEMBLIES

A. Install framing system components according to spacings indicated, but not greater than spacings required by referenced installation standards for assembly types.

B. Install studs so flanges within framing system point in same direction.

C. Install tracks (runners) at floors and overhead supports. Extend framing full height to structural supports or substrates above suspended ceilings except where partitions are indicated to terminate at suspended ceilings. Continue framing around ducts that penetrate partitions above ceiling.

1. Door Openings: Screw vertical studs at jambs to jamb anchor clips on door frames; install runner track section (for cripple studs) at head and secure to jamb studs.

    a. Install two studs at each jamb unless otherwise indicated.
    b. Install cripple studs at head adjacent to each jamb stud, with a minimum 1/2-inch (13-mm) clearance from jamb stud to allow for installation of control joint in finished assembly.

D. Installation Tolerance: Install each framing member so fastening surfaces vary not more than 1/8 inch (3 mm) from the plane formed by faces of adjacent framing.

END OF SECTION

SECTION 092900 - GYPSUM BOARD

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Interior gypsum board.

1.2 ACTION SUBMITTALS

A. Product Data: For each type of product.

PART 2 - PRODUCTS

2.1 GYPSUM BOARD, GENERAL

A. Size: Provide maximum lengths and widths available that will minimize joints in each area and that correspond with support system indicated.

2.2 INTERIOR GYPSUM BOARD

A. Abuse-Resistant Gypsum Board: ASTM C 1629/C 1629M.

1. Core: 5/8 inch (15.9 mm), Type X.
2. Surface Abrasion: Meets or exceeds Level 1 requirements.
3. Surface Indentation: Meets or exceeds Level 1 requirements.
4. Single-Drop Soft-Body Impact: Meets or exceeds Level 1 requirements.
5. Long Edges: Tapered.
6. Mold Resistance: ASTM D 3273, score of 10 as rated according to ASTM D 3274.

2.3 TRIM ACCESSORIES

A. Interior Trim: ASTM C 1047.

1. Material: Galvanized or aluminum-coated steel sheet, rolled zinc, plastic, or paper-faced galvanized-steel sheet .
2. Shapes:

a. Cornerbead.
b. Bullnose bead.
c. LC-Bead: J-shaped; exposed long flange receives joint compound.
d. L-Bead: L-shaped; exposed long flange receives joint compound.
e. U-Bead: J-shaped; exposed short flange does not receive joint compound.
f. Expansion (control) joint.
g. Curved-Edge Cornerbead: With notched or flexible flanges.

2.4 JOINT TREATMENT MATERIALS

A. General: Comply with ASTM C 475/C 475M.

B. Joint Tape:

1. Interior Gypsum Board: Paper.

C. Joint Compound for Interior Gypsum Board: For each coat, use formulation that is compatible with other compounds applied on previous or for successive coats.

1. Prefilling: At open joints and damaged surface areas, use setting-type taping compound.
2. Embedding and First Coat: For embedding tape and first coat on joints, fasteners, and trim flanges, use setting-type taping compound.

a. Use setting-type compound for installing paper-faced metal trim accessories.

3. Fill Coat: For second coat, use drying-type, all-purpose compound.
4. Finish Coat: For third coat, use drying-type, all-purpose compound.

2.5 AUXILIARY MATERIALS

A. General: Provide auxiliary materials that comply with referenced installation standards and manufacturer's written instructions.

B. Steel Drill Screws: ASTM C 1002 unless otherwise indicated.

PART 3 - EXECUTION

3.1 APPLYING AND FINISHING PANELS

A. Examine panels before installation. Reject panels that are wet, moisture damaged, and mold damaged.

B. Comply with ASTM C 840.

C. Isolate perimeter of gypsum board applied to non-load-bearing partitions at structural abutments. Provide 1/4- to 1/2-inch- (6.4- to 12.7-mm-) wide spaces at these locations and trim edges with edge trim where edges of panels are exposed. Seal joints between edges and abutting structural surfaces with acoustical sealant.

D. For trim with back flanges intended for fasteners, attach to framing with same fasteners used for panels. Otherwise, attach trim according to manufacturer's written instructions.

E. Prefill open joints, rounded or beveled edges, and damaged surface areas.

F. Apply joint tape over gypsum board joints, except for trim products specifically indicated as not intended to receive tape.

G. Gypsum Board Finish Levels: Finish panels to levels indicated below and according to ASTM C 840:

1. Level 4: At panel surfaces that will be exposed to view unless otherwise indicated .

a. Primer and its application to surfaces are specified in Section 099123 "Interior Painting."

3.2 PROTECTION

A. Protect installed products from damage from weather, condensation, direct sunlight, construction, and other causes during remainder of the construction period.

B. Remove and replace panels that are wet, moisture damaged, and mold damaged.

END OF SECTION

COMMUNITY COLLEGE OF ALLEGHENY COUNTY

800 Allegheny Avenue Pittsburgh, PA 15233

INSURANCE REQUIREMENTS

FORM B

Indemnification. To the fullest extent permitted by law, Contractor shall defend, indemnify and hold harmless the Community College of Allegheny County (CCAC), its agents, officers, employees, and volunteers from and against all claims, damages, losses, and expenses (including but not limited to attorney fees and court costs) to the extent directly arising from the acts, errors, mistakes, omissions, work or service of Contractor, its agents, employees, or any tier of its subcontractors in the performance of this Contract. The amount and type of insurance coverage requirements of this Contract will in no way be construed as limiting the scope of indemnification in this Paragraph.

Insurance. Contractor shall maintain during the term of this Contract insurance policies described below issued by companies licensed in Pennsylvania with a current A.M. Best rating of A- or better. At the signing of this Contract, and prior to the commencement of any work, Contractor shall furnish the CCAC Purchasing Department with a **Certificate of Insurance** evidencing the required coverages, conditions, and limits required by this Contract at the following address: Community College of Allegheny County, Purchasing Department, 800 Allegheny Avenue, Pittsburgh, PA 15233.

The insurance policies, except Workers' Compensation and Professional Liability, shall be endorsed to name Community College of Allegheny County, its agents, officers, employees, and volunteers as Additional Insureds with the following language or its equivalent:

> *Community College of Allegheny County, its agents, officers, employees, and volunteers are hereby named as additional insureds as their interest may appear.*

All such Certificates shall provide a 30-day notice of cancellation. Renewal Certificates must be provided for any policies that expire during the term of this Contract. Certificate must specify whether coverage is written on an Occurrence or a Claims Made Policy form.

Insurance coverage required under this Contract is:

1) **Commercial General Liability** insurance with a limit of not less than $1,000,000 per occurrence for bodily injury, property damage, personal injury, products and completed operations, and blanket contractual coverage, including but not limited to the liability assumed under the indemnification provisions of this Contract.

2) **Automobile Liability** insurance with a combined single limit for bodily injury and property damage of not less than $1,000,000 each occurrence with respect to Contractor's owned, hired, and non-owned vehicles.

3) **Workers' Compensation** insurance with limits statutorily required by any Federal or State law and **Employer's Liability** insurance of not less than $100,000 for each accident, $100,000 disease for each employee, and $500,000 disease policy limit.

4) **Professional Liability** insurance (where applicable) covering acts, errors, mistakes, and omissions arising out of the work or services performed by the Contractor, or any person employed by the Contractor, with a limit of not less than $1,000,000 each claim.

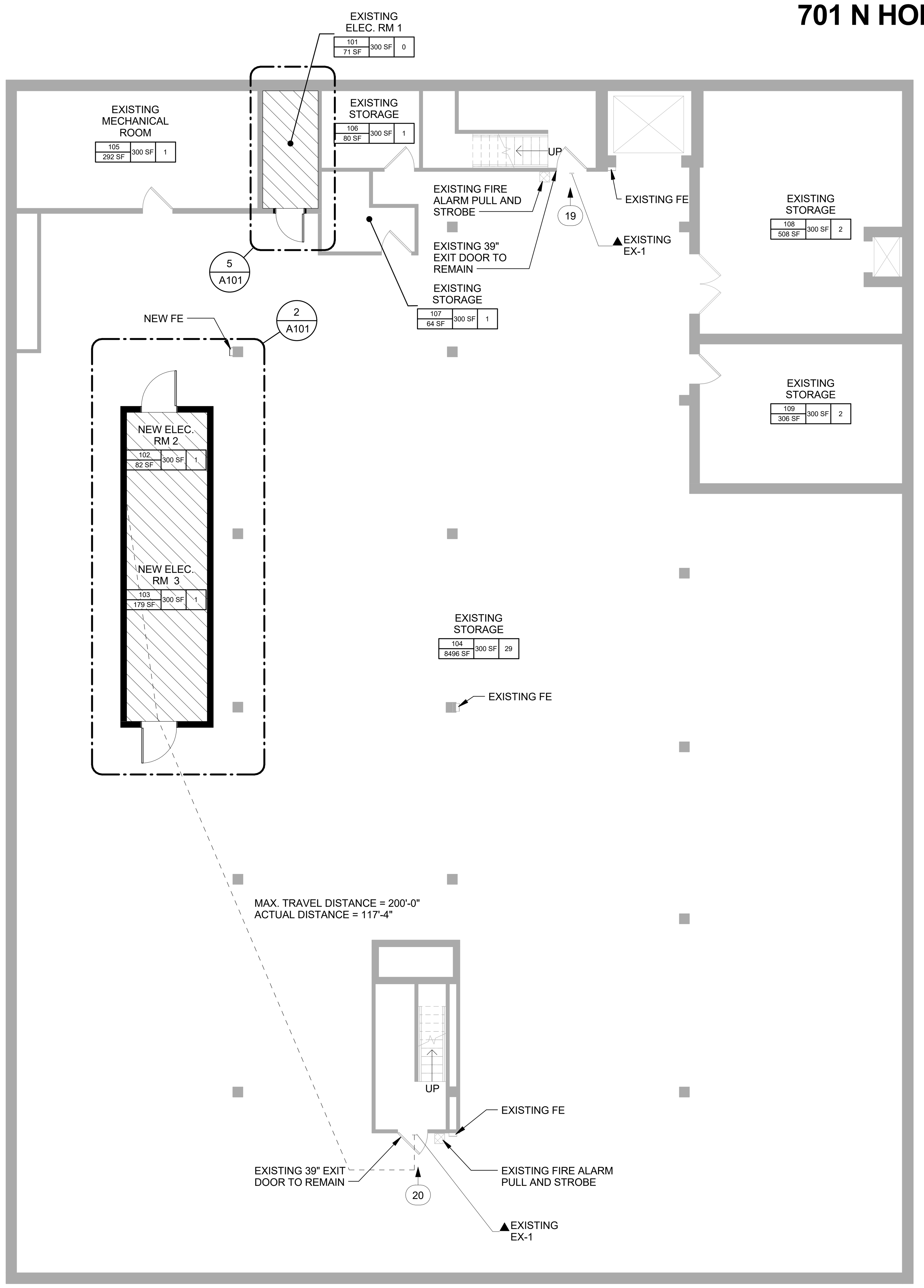
HAYES DESIGN GROUP
HDG
ARCHITECTS

BUILDING IMPROVEMENTS DRAWINGS FOR

ADDITIONS AND ALTERATIONS TO:

CCAC HOMEWOOD BRUSHTON CAMPUS

701 N HOMEWOOD AVE, PITTSBURGH, PA, 15208, ALLEGHENY COUNTY

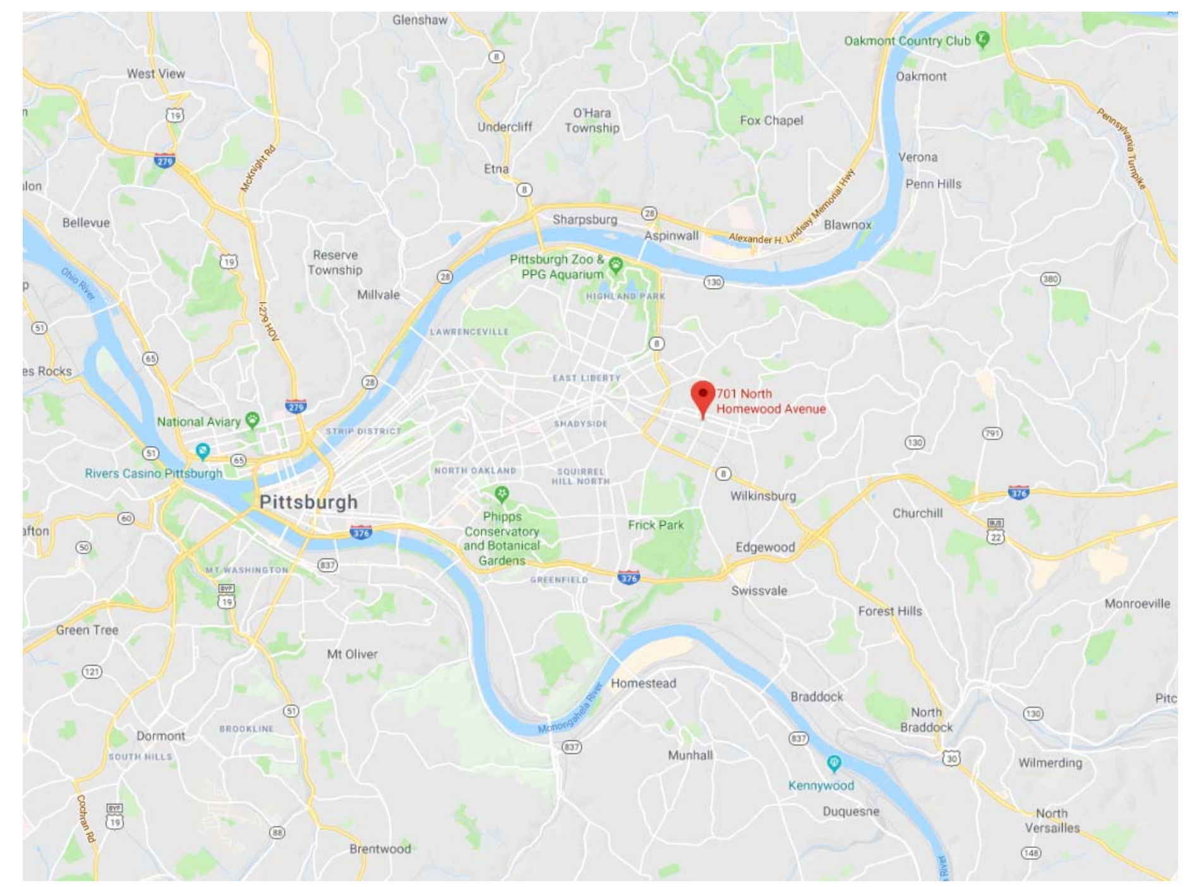


1 BASEMENT OCCUPANCY AND FLOOR PLAN

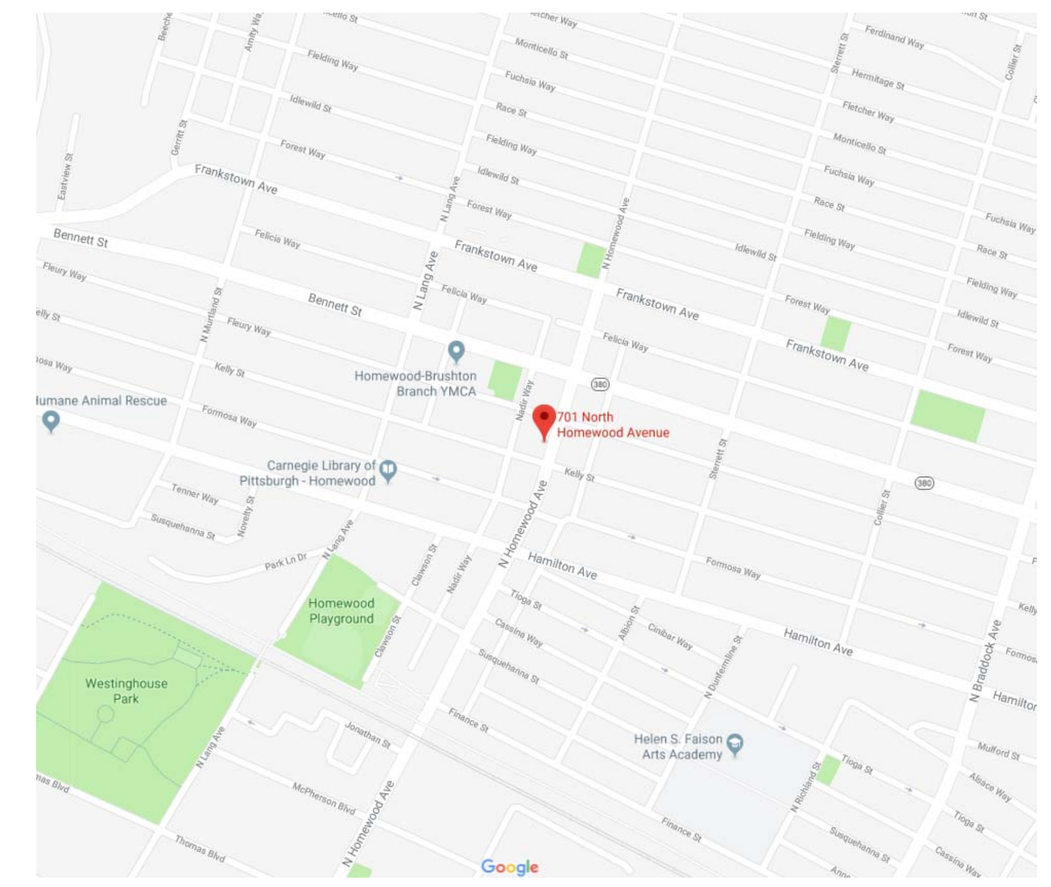
SCALE: 1/8" = 1'-0"

0 4' 8' 16'

VICINITY MAP



LOCATION MAP



Project Information – Building Codes – Preliminary

The intent of this summary is to identify the applicable sections of the code for this building type, and provide the Plan Reviewer with an overview of Code Compliance.

LOCAL JURISDICTION – CITY OF PITTSBURGH

APPLICABLE CODES

State Code
Pennsylvania Uniform Construction Code (UCC) – 2009 International Building Code, Chapter 405 of the UCC

Building Code

2015 IBC: Chapter 11 & Appendix E.
2012 IBC: Section 3411.
2009 IBC: All, including Appendix H.
2009 IEBC: All, including all Appendices.

2009 International Building Code

Chapter 3	Use & Occupancy Classification	
Overall Building	B (Educational occupancies above 12th grade)	
Basement Level (Area of Work)	S-1 (Moderate Hazard Storage)	
Chapter 5	General Building Height & Area	
Type of Construction	3B (assumed)	
	PERMITTED IN S-1	ACTUAL
Stories	2 stories	2
Height (feet)	40	N/A (work only in basement)
Square feet/story	17,500	10,400 (unchanged)

Fire Protection (Chapter 9)

Automatic Sprinkler Systems (903.2.9) An automatic sprinkler system is not required as fire area is less than 12,000 square feet.

Portable Fire Extinguishers (906) (IFC 906.1): Per Table 906.3(1): Portable Fire Extinguishers shall be installed in new and existing S occupancies. Table 906.3 (1) for low hazard occupancy, 2A rated single fire extinguishers shall be provided. Travel distance to extinguisher shall not exceed 75 feet. Maximum floor area per fire extinguisher shall not exceed 3,000 SF. Three currently labeled fire extinguishers are present on the basement level. One new extinguisher to be provided.

Fire Alarm and Detection Systems (907) – Existing to remain.

Means of Egress (Chapter 10)

General Means of Egress:
Existing Total Basement Level: 10,079 SF
Existing Unchanged Basement Level: 9,819 SF
Existing Altered First Floor: 260

Stairways (1007.3): Existing to remain.

2009 International Existing Building Code
1008.1.2 When an occupant load is fewer than 50 persons in a non-group H occupancy, egress doors are permitted to swing in the opposite direction of egress travel.

LEGEND:

AREA OF WORK

ROOM AREA OCCUPANT LOAD...

ROOM NO.	ROOM NAME	AREA	FLOOR AREA PER OCCUPANT	OCCUPANT LOAD (CALCULATED)
BASEMENT				
101	EXISTING ELEC. RM 1	71 SF	300 SF	1
102	NEW ELEC. RM 2	82 SF	300 SF	1
103	NEW ELEC. RM 3	179 SF	300 SF	1
104	EXISTING STORAGE	8496 SF	300 SF	29
105	EXISTING MECHANICAL ROOM	292 SF	300 SF	1
106	EXISTING STORAGE	80 SF	300 SF	1
107	EXISTING STORAGE	64 SF	300 SF	1
108	EXISTING STORAGE	508 SF	300 SF	2
109	EXISTING STORAGE	306 SF	300 SF	2
Grand total: 9		10079 SF		39

GENERAL PROJECT NOTES

A) NOTES ARE TYPICAL FOR SIMILAR AND LIKE CONDITIONS.

B) FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS PRIOR TO BIDDING AND PERFORMING THE WORK. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES, OMISSIONS, AMBIGUITIES, AND CONFLICTS IN OR AMONG THE DRAWINGS.

C) COORDINATE WORK WITH OTHER CONTRACTORS, TRADES AND EXISTING CONDITIONS.

D) PERFORM WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, ACCEPTED STANDARDS OF THE RESPECTIVE CONSTRUCTION TRADES, AND APPLICABLE BUILDING CODES.

E) INSTALL MATERIALS AND PRODUCTS IN ACCORDANCE WITH THE MANUFACTURER'S LATEST WRITTEN INSTRUCTIONS AND RECOMMENDATIONS, AS REQUIRED FOR A COMPLETE INSTALLATION.

F) ABBREVIATIONS AND MATERIAL PATTERNS PER THE UNIFORM DRAWING SYSTEM (UDS 4.0) AS PUBLISHED BY THE NATIONAL CAD STANDARD UNLESS NOTED OTHERWISE.

G) FIRST FLOOR ELEVATION IS SHOWN AS 100'-0" FOR CLARITY.

H) LAY OUT THE SPACE IN ITS ENTIRETY FOR REVIEW BY THE ARCHITECT PRIOR TO CONSTRUCTING THE WALLS.

J) LAY OUT ELECTRICAL RECEPTACLES, ELECTRICAL OUTLETS AND TELECOMMUNICATION OUTLETS FOR OWNER AND ARCHITECT REVIEW PRIOR TO ELECTRICAL AND TELECOMMUNICATIONS ROUGH IN.

K) RUN DUCTS, CONDUITS AND PIPING CONCEALED TO THE GREATEST EXTENT POSSIBLE UNLESS NOTED OTHERWISE.

L) SUPPORT EQUIPMENT FROM STRUCTURAL MEMBERS. DO NOT SUPPORT EQUIPMENT FROM THE DECK UNLESS NOTED OTHERWISE.

M) WHERE THE WORDS "PATCH," "MATCH," "REPAIR," "REPLACE," AND THE LIKE ARE USED, COLORS, TEXTURES AND FINISHES OF DISTURBED AREAS ARE TO MATCH EXISTING FINISHES IN ALL RESPECTS.

N) PATCH AREAS DISTURBED IN THE PROCESS OF PERFORMING THE WORK.

P) WHERE PATCHING AND REPAIRING TO MATCH IS NOT FEASIBLE, REPAIR OR REPLACE THE ENTIRE AREA TO THE NEAREST CORNER.

Q) REMOVE MISCELLANEOUS ITEMS FROM WALL PRIOR TO PAINTING. REINSTALL OR RETURN TO OWNER AS DIRECTED.

R) SCRAPE, PATCH AND PREPARE EXISTING FINISHES TO BE PAINTED PRIOR TO PAINTING.

S) REPLACE IS DEFINED AS REMOVE EXISTING AND INSTALL NEW INCLUDING APPROPRIATE ELECTRICAL CONNECTIONS AND WITH MATCHING OR COMPATIBLE EQUIPMENT OR MATERIALS AS SHOWN, SPECIFIED OR REQUIRED FOR COMPLETE INSTALLATION.

T) REPAIR OR REPLACE EXISTING ITEMS DAMAGED AS A RESULT OF THE WORK TO ITS ORIGINAL CONDITION.

U) PROVIDE BITUMINOUS OR OTHER COATING APPROVED BY THE ARCHITECT WHERE DISSIMILAR METALS MEET.

V) TYPICAL DETAILS MAY NOT NECESSARILY BE CUT ON PLANS OR SECTIONS, BUT APPLY UNLESS NOTED OTHERWISE.

W) REMOVE DEMOLITION AND CONSTRUCTION DEBRIS TO AN OFF-SITE DISPOSAL LOCATION UNLESS NOTED OTHERWISE.

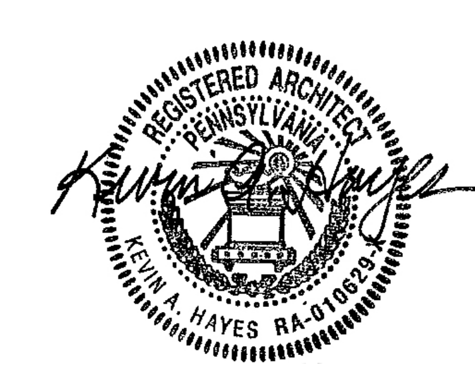
X) SHOULD THE DRAWINGS DISAGREE WITH ONE ANOTHER OR WITH THE SPECIFICATIONS, PERFORM OR PROVIDE THE GREATER QUALITY OR QUANTITY OF WORK OR MATERIALS.

Y) PROVIDE MATERIAL AND LABOR REQUIRED IN ORDER TO ACHIEVE FULLY FUNCTIONING AND OPERABLE SYSTEMS.

DRAWING INDEX:

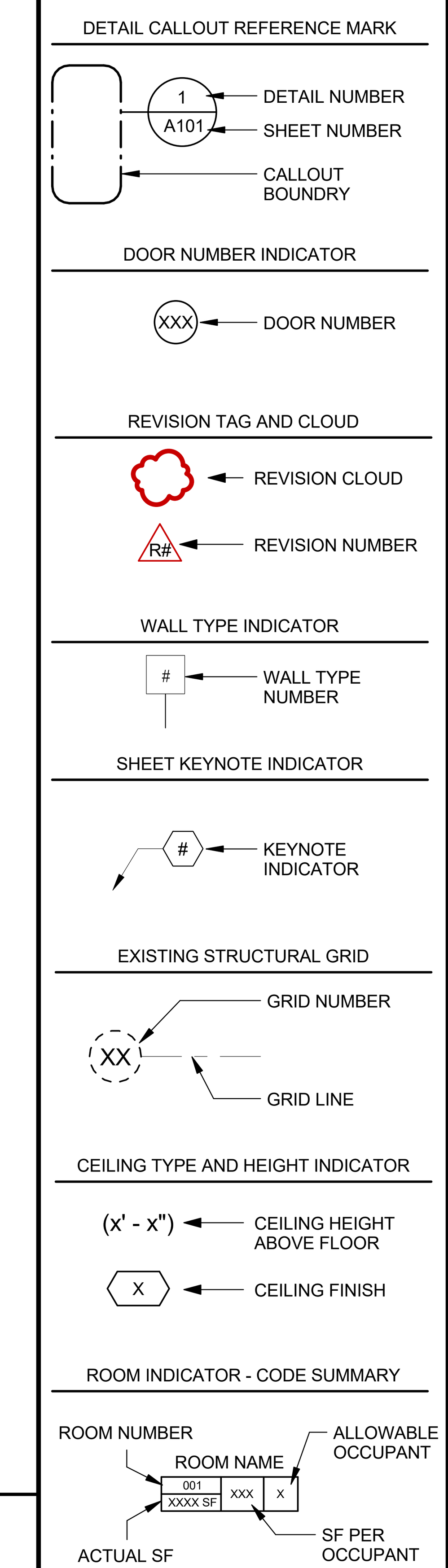
ARCHITECTURAL

DESIGN PROFESSIONALS:



ARCHITECT:
THE HAYES DESIGN GROUP - ARCHITECTS
100 RYAN COURT, SUITE 11
PITTSBURGH, PA 15205
PHONE: 412-206-0410

SYMBOL LEGEND



MARK DATE DESCRIPTION

ISSUED: APRIL 25, 2018
PROJECT NO: 1807

ADDITIONS AND ALTERATIONS TO:

CCAC HOMEWOOD BRUSHTON CAMPUS

701 N HOMEWOOD AVE
PITTSBURGH, PA, 15208
ALLEGHENY COUNTY

OWNER:

COMMUNITY COLLEGE OF ALLEGHENY COUNTY

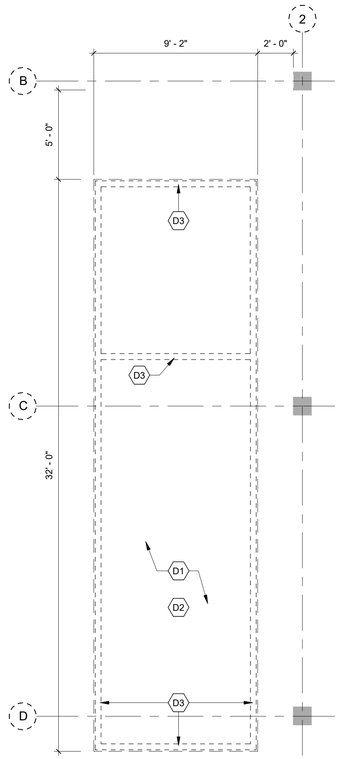
800 ALLEGHENY AVE,
PITTSBURGH, PA, 15233

COVER SHEET, CODE SUMMARY, LIFE SAFETY

G001

BUILDING IMPROVEMENTS

SHEET FILE/PLOT DATE: 4/25/2018 11:08:03 AM



1 DEMO PLAN
SCALE: 1/4" = 1'-0" 0 2' 4' 8'

GENERAL DEMOLITION NOTES

A) NOTES ARE TYPICAL FOR SIMILAR AND LIKE CONDITIONS.

B) DASHED LINES GENERALLY INDICATE EXTENT OF MASONRY AND STUD WALLS, WINDOW, AND DOOR DEMOLITION THROUGHOUT BUILDING, BUT ARE NOT INTENDED TO BE INCLUSIVE OF EVERY DEMOLITION INSTANCE.

C) REVIEW DOCUMENTS INCLUDING STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL FOR EXTENT OF DEMOLITION. MAINTAIN EXISTING FIRE RATED ASSEMBLIES. RE-ESTABLISH DAMAGED OR INCOMPLETE FIRE RATED ASSEMBLIES.

D) VERIFY POSSIBLE LOCATIONS OF BEARING MEMBERS AND WALLS BEFORE DEMOLITION. NOTIFY ARCHITECT IMMEDIATELY IF POTENTIAL QUESTION IS EVIDENT.

E) PROVIDE SHORING, BRACING, AND/OR SUPPORT AS REQUIRED.

F) ARRANGE DEMOLITION TO AGREE WITH ACCOMPLISHMENT OF WORK IN COORDINATION WITH OTHER TRADES AND OWNER'S OPERATIONS.

G) PROVIDE DUST PROTECTION BETWEEN CONSTRUCTION AREAS AND NON-CONSTRUCTION AREAS.

H) PERFORM DEMOLITION SO THAT MINIMAL DAMAGE TO EXISTING AND ADJACENT CONSTRUCTION IS INCURRED.

J) REMOVE DEMOLITION DEBRIS TO AN OFF-SITE DISPOSAL LOCATION UNLESS NOTED OTHERWISE.

K) OWNER RESERVES OPTION TO CLAIM REMOVED AND DEMOLISHED ITEM(S) AS OWNER'S PROPERTY.

L) REMOVE EXISTING FINISHES AND ITEMS NECESSARY TO INSTALL NEW CONSTRUCTION.

M) REMOVE WALL-MOUNTED SIGNAGE INCLUDING FASTENERS, ADHESIVES, ETC. PATCH SURFACES TO MATCH EXISTING WHERE EXISTING WALL IS TO REMAIN.

N) PATCH AREAS DISTURBED THROUGH DEMOLITION TO MATCH SURROUNDING FINISH(ES), AND ALIGN WITH ADJACENT FINISH.

O) AT DEMOLISHED DOORS, REMOVE WALL- OR FLOOR-MOUNTED DOOR HARDWARE, INCLUDING WALL BUMPERS, FLOOR STOPS AND HINGES. PATCH SURFACE TO MATCH EXISTING.

P) WHERE EXISTING WALLS THAT ARE TO REMAIN EXPOSED IN NEW CONSTRUCTION MEET A DEMOLISHED WALL, PATCH WALL TO REMAIN WITH MATERIALS CONSISTENT WITH EXISTING CONSTRUCTION, AND ALIGN WITH FACE OF EXISTING CONSTRUCTION.

DEMOLITION PLAN KEYNOTES

NOT ALL KEYNOTES USED ON THIS SHEET

D1 - REMOVE FLOORING AND ADHESIVE IN ITS ENTIRETY WITHIN THE DESIGNATED AREA. DO NOT USE SOLVENT/CITRUS BASED ADHESIVE REMOVERS PER ESD VINYL MANUFACTURERS DIRECTIONS.

D2 - PREPARE SURFACE TO RECEIVE NEW FLOORING FINISH PER ASTM F710, AS WELL AS APPLICABLE ACI AND RFCI GUIDELINES. SUBSTRATES MUST BE CLEAN,SMOOTH, PERMANENTLY DRY, FLAT, AND STRUCTURALLY SOUND. SUBSTRATES MUST BE FREE OF VISIBLE WATER OR MOISTURE, DUST, SEALERS, PAINT, SWEEPING COMPOUNDS, CURING COMPOUNDS, RESIDUAL ADHESIVES AND ADHESIVE REMOVERS, CONCRETE HARDENERS OR DENSIFIERS, SOLVENTS, WAX, OIL, GREASE, ASPHALT, VISIBLE ALKALINE SALTS OR EXCESSIVE EFFLORESCENCE, MOLD, MILDEW AND ANY OTHER EXTRANEOUS COATING, FILM, MATERIAL OR FOREIGN MATTER. ALL SUBSTRATES MUST HAVE ANY AND ALL EXISTING ADHESIVES, MATERIALS, CONTAMINATES OR BOND BREAKS MECHANICALLY REMOVED VIA SCRAPING, SANDING, GRINDING, OR BUFFING.

D3 - CUT AND REMOVE PLASTER CEILING ABOVE NEW WALL LOCATIONS TO EXPOSE ACCESS TO STRUCTURE ABOVE. SEE DETAIL 4/A101 FOR INTENT.

D4 - REMOVE DOOR AND FRAME IN ITS ENTIRETY, PREPARE OPENING FOR NEW DOOR AND FRAME.

DEMOLITION PLAN LEGEND

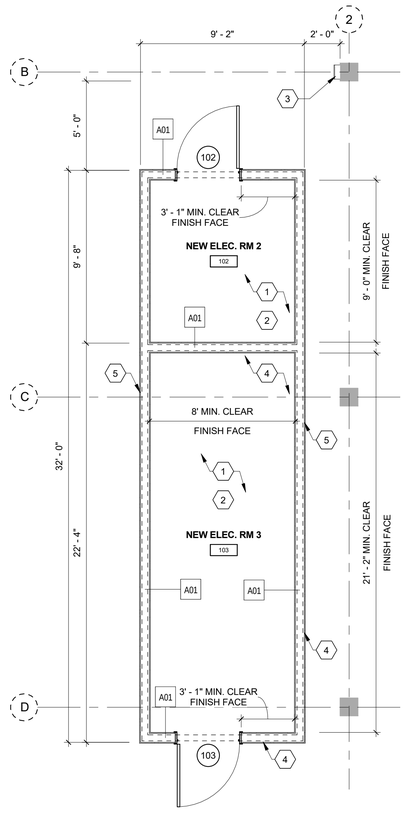
INDICATES ITEMS TO BE REMOVED

EXISTING DOOR TO REMAIN

EXISTING WALL TO REMAIN

EXISTING DOOR TO BE REMOVED

EXISTING WALL TO BE REMOVED



2 FLOOR PLAN AND RCP
SCALE: 1/4" = 1'-0" 0 2' 4' 8'

GENERAL FLOOR PLAN NOTES

A) NOTES ARE TYPICAL FOR SIMILAR & LIKE CONDITIONS.

B) NEW CONSTRUCTION DIMENSIONS ARE FROM FACE OF STUD OR FACE OF MASONRY UNLESS NOTED OTHERWISE. FRAMED OPENING DIMENSIONS ARE NOMINAL; SEE MANUFACTURER'S SPECIFICATIONS FOR REQUIRED ROUGH OPENINGS.

C) DIMENSIONS TO/FROM EXISTING CONSTRUCTION ARE FROM FINISHED SURFACES UNLESS NOTED OTHERWISE.

D) IN RENOVATION WORK, IF IT IS OBVIOUSLY THE INTENTION TO ALIGN OR MATCH WITH EXISTING CONDITIONS, MATCH THESE ITEMS REGARDLESS OF DIMENSIONS SHOWN ON DRAWINGS.

E) PROVIDE BLOCKING OR STRAPPING IN WALLS FOR EQUIPMENT/ACCESSORIES.

F) PROVIDE CAULKED JOINT BETWEEN DISSIMILAR MATERIALS AND AT DOORS.

G) UNLESS NOTED OR DIMENSIONED ON THE DRAWINGS, ALL DOORS SHALL BE LOCATED 4" FROM CORNER OF FINISHED WALL TO OUTER EDGE OF DOOR FRAMES.

H) ENSURE THAT ALL ADHESIVES INTENDED FOR INTALLATION ARE APPROVED FOR USE WITH FLOORING MATERIAL.

J) ENSURE INSTALLATION AREA AND MATERIAL STORAGE TEMPERATURES ARE BETWEEN 65 DEGREES FAHRENHEIT AND 85 DEGREES FAHRENHEIT FOR AT LEAST 48 HOURS BEFORE, DURING AND AFTER INSTALLATION.

K) ENSURE HVAC SYSTEM IS OPERATIONAL AND FULLY FUNCTIONING AT NORMAL OPERATING CONDITIONS DURING FLOORING INSTALL.

L) PROTECT FLOORING INSTALLATION AREA FROM EXTREME TEMPERATURE CHANGES, SUCH AS HEAT AND FREEZING, AS WELL AS DIRECT SUNLIGHT FOR AS LEASE 48 HOURS BEFORE, DURING AND AFTER INSTALLATION.

M) ENSURE ALL SUBSTRATE PREPARATION AND MOISTURE TESTING REQUIREMENTS HAVE BEEN PERFORMED, READ, AND/OR UNDERSTOOD BY ALL INTERESTED PARTIES.

N) DO NOT PROCEED WITH INSTALLATION UNTIL ALL CONDITIONS HAVE BEEN MET.

O) DO NOT INSTALL FLOORING MATERIALS OVER LVT, CUSHIONED VINYL, HARDWOOD FLOORING, CORK, RUBBER, OR ASPHALTIC MATERIALS.

P) GENERAL CONSTRACTOR TO COORDINATE WITH ELECTRICAL CONSTRACTOR REGARDING ELECTRICAL ROUGH-IN AND EQUIPMENT LOCATIONS PRIOR TO PERFORMING WORK. DO NOT PROCEED WITH WORK THAT WILL IMPEDE ELECTRICAL CONTRACTOR ACTIVITIES.

Q) SIGNAGE BY OWNER.

FLOOR PLAN KEYNOTES

NOT ALL KEYNOTES USED ON THIS SHEET

1 - PROVIDE FLOOR LEVELING AND PATCHING COMPOUND AS NEEDED TO LEVEL FLOOR TO WITHIN MANUFACTURER REQUIREMENTS FOR INSTALLATION OF NEW FLOORING.

2 - TEST EXISTING FLOORING FOR RELATIVE HUMIDITY PER ASTM F2170 AND ASTM F1869 FOR MOISTURE VAPOR EMISSION RATE.

3 - PROVIDE NEW 10 LB. CARBON DIOXIDE FIRE EXTINGUISHER, MATCH EXISTING INSTALLATION AND SUPPORT.

4 - ALL NEW WALLS TO BE PAINTED AND RECEIVE WALL BASE, TYP.

5 - PROVIDE CONTROL JOINT AT APPROXIMATE MIDPOINT OF WALL. PROVIDE FRAMING MEMBERS ON EITHER SIDE OF CONTROL JOINT OPENING. OPENING SHALL NOT EXCEED 1/2".

GENERAL CEILING PLAN NOTES

A) NOTES ARE TYPICAL FOR SIMILAR AND LIKE CONDITIONS.

B) SOME FIELD VERIFICATION MAY BE REQUIRED DUE TO EXISTING CONDITIONS OR CONFLICTS WITH OTHER BUILDING COMPONENTS.

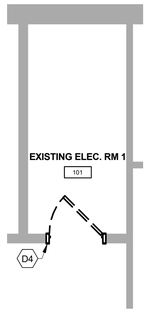
C) REFER TO ROOM FINISH SCHEDULE FOR CEILING FINISH TYPES.

D) ARCHITECTURAL REFLECTED CEILING PLANS ARE TO BE USED TO GUIDE THE LOCATION OF LIGHT FIXTURES. NOTIFY ARCHITECT OF DISCREPANCIES PRIOR TO PERFORMING THE WORK

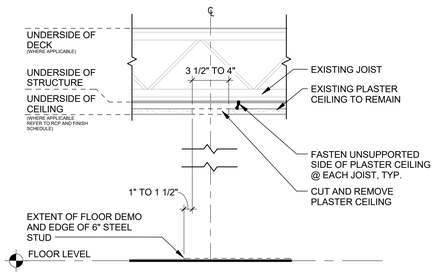
E) ARCHITECTURAL REFLECTED CEILING PLAN SHOWS THE GENERAL LAYOUT AND LOCATION OF ALL SYSTEMS. REFER TO ELECTRICAL DRAWINGS FOR TYPE AND SIZE OF EACH FIXTURE OR DEVICE.

F) ALL DIMENSIONS INDICATED ARE TO FINISHED FACE OF GYPSUM BOARD OR FACE OF MASONRY UNLESS NOTED OTHERWISE.

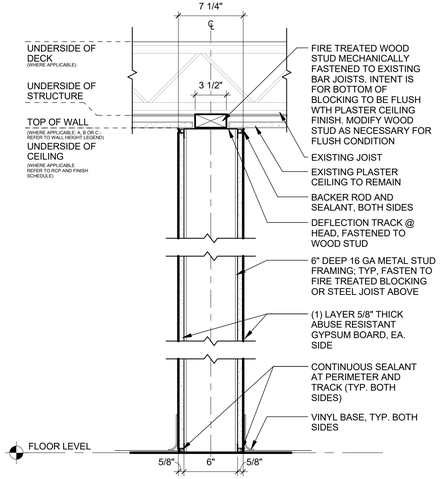
G) ALL CEILING MOUNTED DEVICES ARE TO BE CENTERED IN CEILING UNLESS NOTED OTHERWISE.



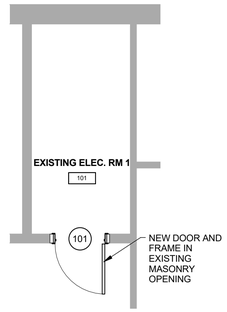
3 DEMO DOOR PLAN
SCALE: 1/4" = 1'-0" 0 4' 8' 12'



4 CEILING AND FLOOR DEMO DETAIL
SCALE: 1 1/2" = 1'-0" 0 1' 2' 4'



A01 PARTITION TYPE
UL#: N/A
STC: N/A
FIRE: N/A
NOT TO SCALE



5 DOOR 101 PLAN
SCALE: 1/4" = 1'-0" 0 2' 4' 8'

PLAN NORTH

HAYES DESIGN GROUP
HDG ARCHITECTS
100 Ryan Court, Suite 11
Pittsburgh, PA 15205
Phone: 412.206.0410
www.HayesDesign.com

ARCHITECT'S SEAL:
REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA KEVIN J. HAYES RA-016670

CONSULTANT'S LOGO:

CONSULTANT'S SEAL:

MARK	DATE	DESCRIPTION

ISSUED: APRIL 25, 2018
PROJECT NO: 1807

ADDITIONS AND ALTERATIONS TO:
CCAC HOMEWOOD BRUSHTON CAMPUS

701 N HOMEWOOD AVE
PITTSBURGH, PA, 15208

ALLEGHENY COUNTY

OWNER:
COMMUNITY COLLEGE OF ALLEGHENY COUNTY

800 ALLEGHENY AVE,
PITTSBURGH, PA, 15233

ENLARGED BASEMENT PLANS, RCP, & PARTITION TYPES
A101
BUILDING IMPROVEMENTS

SHEET FILEPLOT DATE - 4/25/2018 11:09:03 AM

DOOR AND FRAME SCHEDULE

DOOR NO.	DOOR TYPE	LEAF QTY.	WIDTH	HEIGHT	DOOR THICKNESS	DOOR MATERIAL	DOOR FINISH	FRAME TYPE	FRAME HEAD	FRAME JAMB	FRAME MATERIAL	FRAME FINISH	GLAZING TYPE	HDW SET	STC RATING	FIRE RATING	NOTES / REMARKS
	DOOR							FRAME									
101	F	1	2' - 9 5/8" F.V.	6' - 8"	1 3/4"	HM	---	H1			HM	---	---			---	F.V. WIDTH OF DOOR OPENING AND DEPTH OF WALL
102	F	1	3' - 6"	6' - 8"	1 3/4"	HM	---	H1			HM	---	---			---	
103	F	1	3' - 6"	6' - 8"	1 3/4"	HM	---	H1			HM	---	---			---	

DOOR HARDWARE NOTES:
EACH DOOR SHALL HAVE STOREROOM FUNCTION WITH 3 SETS HINGES, SURFACE CLOSER, AND PANIC EXIT HARDWARE. SEE SPECIFICATION FOR ADDITIONAL DOOR HARDWARE REQUIREMENTS.

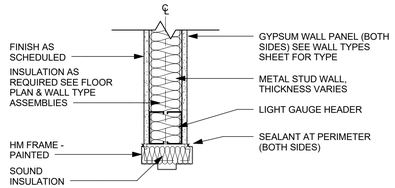
ROOM FINISH SCHEDULE

RM NO	ROOM NAME	FLOOR	BASE	WALLS				CEILING	NOTES / REMARKS
				NORTH	SOUTH	EAST	WEST		
102	NEW ELEC. RM 2	ESD VCT	VINYL	SW 6378	SW 6378	SW 6378	SW 6378	EXISTING TO REMAIN	ROPPE ESD VINYL TILE 12"X12"X1/8" AND ROPPE TYPE IV THERMOPLASTIC VINYL BASE 1/8" THICK X 4" HIGH AS BASIS OF DESIGN, OR APPROVED EQUAL.
103	NEW ELEC. RM 3	ESD VCT	VINYL	SW 6378	SW 6378	SW 6378	SW 6378	EXISTING TO REMAIN	ROPPE ESD VINYL TILE 12"X12"X1/8" AND ROPPE TYPE IV THERMOPLASTIC VINYL BASE 1/8" THICK X 4" HIGH AS BASIS OF DESIGN, OR APPROVED EQUAL.

NOTE:

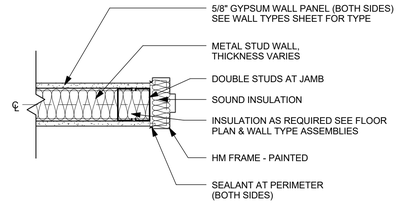
* PRIOR TO ESD VINYL INSTALLATION, GENERAL CONTRACTOR TO CONSULT ELECTRICAL CONTRACTOR REGARDING PLACEMENT OF COPPER STRAPS IN ORDER TO SYNCHRONIZE COPPER STRIP PLACEMENT WITH ELECTRICAL GROUNDING SYSTEM LOCATION. COPPER GROUNDING STRAPS MUST BE PLACED EVERY 2000 SQ.FT., AT LEAST ONE PER ROOM. PRIOR TO INSTALLING FLOORING MATERIALS, INSTALL COPPER STRAPS DIRECTLY INTO FRESH ADHESIVE AND TROWEL ADHESIVE OVER STRAP TO FULLY EMBED STRAP ADHESIVE. COPPER STRAP MUST BE AT LEAST 18" IN LENGTH, WITH AT LEAST 9" EMBEDED INTO ADHESIVE. THE REMAINING COPPER MATERIAL CAN BE RUN UP THE WALL FOR INSTALLATION INTO ELECTRICAL GROUNDING SYSTEM FOLLOWING FLOORING INSTALLATION. ALL CRACKS, JOINTS AND VOIDS MUST BE BRIDGED WITH A COPPER STRAP. CENTER COPPER STRAP OVER CRACK, JOINT OR VOID AND EMBED COPPER STRAP INSIDE ADHESIVE TO ANCHOR INTO PLACE. ENSURE COPPER STRAP WILL MAKE CONTACT WITH ONE TILE ON EACH SIDE OF THE CRACK, JOINT AND WOID, AT LEAST ONE STRAP PER ROOM.

ALL ELECTRICAL GROUNDING SYSTEMS SHOULD BE CONNECTED AND TESTED BY A LICENSED AND QUALIFIED ELECTRICIAN OF ELECTRICAL ENGINEER. ENSURE GROUNDING STRAP INSTALLATION IS CONSISTENT WITH SPECIFICATIONS AND ELECTRICAL GROUNDING GUIDELINES OR DIAGRAMS. SEE GROUNDING DIAGRAMS AND DETAILS ON LAST PAGE OF FLOORING CUT SHEET FOR MORE INFORMATION.



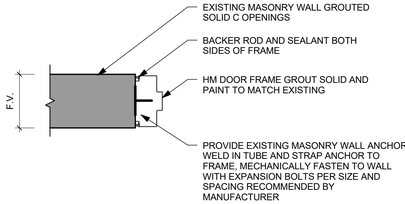
1 HM HEAD DETAIL AT METAL STUD WALL

SCALE: 1 1/2" = 1'-0" 0 1/2" 1" 1 1/2"



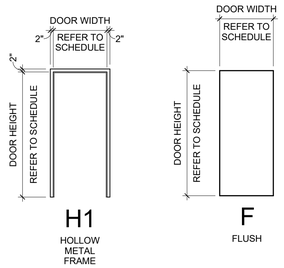
2 HM JAMB DETAIL AT METAL STUD WALL

SCALE: 1 1/2" = 1'-0" 0 1/2" 1" 1 1/2"



3 JAMB DETAIL @ EXIST. WALL

SCALE: 1 1/2" = 1'-0" 0 1/2" 1" 1 1/2"



DOOR FRAME & LEAF TYPES

SCALE: 1/4" = 1'-0" 0 2' 4' 8'

GENERAL DOOR NOTES

1) GENERAL NOTES:
   A) DOORS AND HARDWARE SHALL MEET ANSI 117.1-03 AND ADA ACCESSIBILTY REQUIREMENTS.
   B) FIELD VERIFY CONDITIONS AND DIMENSIONS PRIOR TO FABRICATION.
   C) DUE TO MULTIPLE USES, SOME DETAILS REFERRED TO ON DOOR SCHEDULE ARE OPPOSITE HAND OR ROTATED FROM DIRECTION SHOWN ON FLOOR PLANS.
   D) DOOR FRAME SIZES INDICATED ARE TO FINISHED FRAME. PROVIDE ROUGH OPENING PER MANUFACTURER'S LATEST WRITTEN INSTRUCTIONS.
2) DOOR LEAF NOTES:
   A) DOORS TO BE SET TO CLEAR FINISHED FLOOR SURFACE BY 1/2" (UNDERCUT), UNLESS NOTED OTHERWISE.
3) DOOR FRAME NOTES:
   A) ALL HOLLOW METAL FRAMES ARE WELDED FRAMES. ALL WELDS ARE TO BE GROUNDED SMOOTH.
4) DOOR HARDWARE NOTES:
   A) COORDINATE KEYING WITH OWNER'S REPRESENTATIVE.

DOOR SCHEDULE KEY

ABBREVIATIONS

EXIST =	EXISTING	MATL =	MATERIAL
WD =	WOOD	RTG =	RATING
ALUM =	ALUMINUM	W =	WIDTH
STL =	STEEL	HT =	HEIGHT
SST =	STAINLESS STEEL	THK =	THICKNESS
HM =	HOLLOW METAL	GLZ =	GLAZING
FRP =	FIBERGLASS REINFORCED PLASTIC	CCD =	COILING COUNTER DOOR
UNO =	UNLESS NOTED OTHERWISE	AFF =	ABOVE FINISH FLOOR
LVR =	LOUVER	W/ =	WITH
TYP =	TYPICAL	ADA =	ACCESSIBLE
FGL =	FIBERGLASS	STD =	STANDARD
HDW =	HARDWARE	STC =	SOUND TRANSMISSION CLASS
		PNT =	PAINTED

GENERAL FINISH NOTES

1) PAINT NEW DOORS AND FRAMES TO MATCH EXISTING DOORS AND FRAMES ON BASEMENT LEVEL.
2) FOR GYPSUM BOARD SUBSTRATES, PAINTING SCHEDULE IS AS FOLLOWS: LATEX OVER LATEX SEALER SYSTEM MPI INT 9.2A
   A) PRIME COAT: SKIM COAT OF MULTIPURPOSE JOINT COMPOUND; PRIMER SEALER, LATEX INTERIOR.
   B) INTERMEDIATE COAT: LATEX, INTERIOR, MATCHING TOP COAT.
   C) TOPCOAT: LATEX, INTERIOR (MPI GLOSS LEVEL 3), MPI #52.
3) ROPPE ESD VINYL TILE SHALL BE F408 MARRON.
4) ROPPE WALL BASE SHALL BE 194 BURNT UMBER

FINISH SCHEDULE KEY

ABBREVIATIONS

ESD VCT =	ELECTROSTATIC DISCHARGE VINYL COMPOSITION TILE
SW 6378 =	SHERWIN WILLIAMS CRISP LINEN

HAYES DESIGN GROUP
HDG ARCHITECTS
100 Ryan Court, Suite 11
Pittsburgh, PA 15205
Phone: 412.206.0410
www.HayesDesign.com

ARCHITECT'S SEAL:

CONSULTANT'S LOGO:

CONSULTANT'S SEAL:

MARK	DATE	DESCRIPTION

ISSUED: **APRIL 25, 2018**
PROJECT NO: **1807**

ADDITIONS AND ALTERATIONS TO:

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PITTSBURGH, PA, 15208

ALLEGHENY COUNTY

OWNER:

COMMUNITY COLLEGE OF ALLEGHENY COUNTY

800 ALLEGHENY AVE,
PITTSBURGH, PA, 15233

DOOR & FRAME TYPES, SCHDULES

A801

BUILDING IMPROVEMENTS

SHEET PLEPLOT DATE: 4/25/2018 11:08:03 AM