

DOCUMENT 00 90 00

ADDENDUM

ADDENDUM NO. [1] Date: April 1, 2022

**RE: Physical Plant Renovation
 Western Technical College
 505 9th Street North
 La Crosse, Wisconsin
 HSR Project 21065**

**FROM: HSR Associates, Inc
 100 Milwaukee Street
 La Crosse, WI 54603
 (608) 784-1830**

To: Prospective Bidders

This addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated March 2022. Acknowledge receipt of this Addendum in the space provided on the bid form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of [2] pages, [1] document, [1] specification section, and [9] 30 x 42 drawings.

DOCUMENT

1. Pre-Bid Sign-In Sheet

CHANGES TO SPECIFICATIONS:

2. Section 09 51 00 Acoustical Ceilings
 - a. New section attached hereto

3. Section 26 09 18 – Room Lighting Controller
 - a. See changes to existing section described below.
 - b. Paragraph 1.1D: delete the following manufactures:
 - i. Intelligent Lighting Controls.
 - ii. Douglas Lighting Controls.

4. Section 26 24 16 – Panelboards
 - a. See changes to existing section described below.
 - b. Paragraph 2.01 Manufactures:
 - c. List only Square D; Delete: Cutler-Hammer, General Electric, Siemens, and Substitutions.

CHANGES TO DRAWINGS

5. Sheet G002 LIFE SAFETY PLANS
 - a. See 30"x42" sheet attached hereto.
 - b. Fire extinguishers updated to existing.

6. Sheet A090 DEMOLITION PLANS
 - a. See 30"x42" sheet attached hereto.
 - b. 1/A090: Keynote 14 added.

7. Sheet A100 REMODEL PLANS
 - a. See 30"x42" sheet attached hereto.
 - b. Keynote 14 updated.

8. Sheet A110 REFLECTED CEILING PLANS
 - a. See 30"x42" sheet attached hereto.
 - b. New ACT-1 ceiling in Hallway 101.

9. Sheet A600 WALL TYPES, DOOR SCHEDULE, SECTION
 - a. See 30"x42" sheet attached hereto.
 - b. Frame Elevations for doors 203.1, 203.2, and 204 updated. Frame details for door 202 updated.

10. Sheet E090 – FIRST FLOOR ELEC. DEMO PLANS
 - a. See 30"x42" sheet attached hereto.
 - b. Added Exterior Junction box Wiring Detail 4E090.
 - c. Clarified removal and wiring at existing card readers.
 - d. Lobby 100: Salvage pendant light for reinstallation, and salvage door access controller.
 - e. Second floor demo plan: Added removal of junction box.
 - f. Add Detail 4E090 - Exterior Junction Box/wiring.

11. Sheet E100 – FIRST FLOOR POWER PLAN
 - a. See 30"x42" sheet attached hereto.
 - b. Hallway 101: Added Smoke detector.
 - c. Added clocks to the following rooms: Break room 103, Office 108 & 110.
 - d. Storage room 202: Added note about door access panel.
 - e. Room 203: added clock.

12. Sheet E200 – FIRST FLOOR LIGHTING PLAN
 - a. See 30"x42" sheet attached hereto.
 - b. Lobby 100: reinstall pendant light fixture.
 - c. Revise light fixture schedule.
 - d. Revise room controller detail.

13. Sheet E603- ELECTRICAL SCHEDULES
 - a. See 30"x42" sheet attached hereto.
 - b. Panelboard Schedule: Revise associated notes.

END OF DOCUMENT 00 90 00

Pre-Bid Meeting Sign-In Sheet

March 29, 2022

PROJECT: WESTERN TECHNICAL COLLEGE
PHYSICAL PLANT RENOVATION
505 9TH STREET NORTH
LA CROSSE, WI 54601
HSR PROJECT NO. 21065

BID OPENING: 2:00 PM, April 12, 2022

Name	Company
1. Doug Ramsey	HSR
2. Alyssa Frank	HSR
3. Jay McHenry	WTC
4. Scott G.	HSR
5. Jordan Cypress	Knutson
6. Marcus Schinder	Market + Johnson
7. Kevin Kuderer	B+B Electric
8. MIKE ALLEN	Fowler & Hammer bids @ fowlerhammer.com
9. Aru Harber	Kish+Sons Electric
10. Nathan Buehner	Bahr Electric
11.	
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SECTION 09 51 00
ACOUSTICAL CEILINGS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Suspended metal grid ceiling system.
- B. Acoustical units.

1.02 RELATED REQUIREMENTS

- A. Mechanical Supply and Return Devices Division 23
- B. Electrical Light Fixtures Division 26

1.03 REFERENCE STANDARDS

- A. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2015.
- B. ASTM B209 - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate; 2014.
- C. ASTM B209M - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate (Metric); 2014.
- D. ASTM C635/C635M - Standard Specification for the Manufacture, Performance, and Testing of Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings; 2013a.
- E. ASTM E1264 - Standard Classification for Acoustical Ceiling Products; 2014.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data on suspension system components and acoustical units.
- C. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
 - 1. See Section 01 60 00 - Product Requirements, for additional provisions.
 - 2. Extra Acoustical Units: Quantity equal to 5 percent of total installed.

1.05 QUALITY ASSURANCE

- A. Suspension System Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years documented experience.

1.06 FIELD CONDITIONS

- A. Maintain uniform temperature of minimum 60 degrees F, and maximum humidity of 40 percent prior to, during, and after acoustical unit installation.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Acoustic Tiles/Panels:
 - 1. Roxul Rockfon. www.rockfon.com
- B. Steel Suspension Systems:
 - 1. Armstrong World Industries, Inc: www.armstrongceilings.com/#sle.
 - 2. CertainTeed Corporation: www.certainteed.com/#sle.
Rockfon, LLC: www.rockfon.com.
 - 3. USG Corporation: www.usg.com/ceilings/#sle.
- C. Aluminum Capped Galvanized Steel Suspension Systems:
 - 1. Armstrong World Industries, Inc: www.armstrong.com.
 - 2. CertainTeed Corporation: www.certainteed.com.
 - 3. Rockfon, LLC: www.rockfon.com.
 - 4. USG: www.usg.com.

2.02 ACOUSTICAL UNITS

- A. Acoustical Units - General: ASTM E1264, Class A.
- B. BOARD TYPE ACT-1: 2'x2' Lay-In, Square Edge
 - 1. Rockfon: Artic #600

2.03 SUSPENSION SYSTEM(S)

- A. Metal Suspension Systems - General: Complying with ASTM C635/C635M; die cut and interlocking components, with stabilizer bars, clips, splices, and perimeter moldings as required.
 - 1. Materials:
 - a. Steel Grid: ASTM A653/A653M, G30 coating, unless otherwise indicated.
 - b. Aluminum Grid: Aluminum sheet, ASTM B209 (ASTM B209M).
- B. Exposed Suspension System: Aluminum capped galvanized steel.
 - 1. Application(s): Restrooms.
 - 2. Structural Classification: Intermediate-duty, when tested in accordance with ASTM C635/C635M.
 - 3. Profile: Tee; 15/16 inch face width.
 - 4. Finish: Baked enamel.
- C. Exposed Suspension System: Hot-dipped galvanized steel grid and cap.
 - 1. Structural Classification: Intermediate-duty, when tested in accordance with ASTM C635/C635M.
 - 2. Profile: Tee; 15/16 inch face width.
 - 3. Finish: Baked enamel.

2.04 ACCESSORIES

- A. Support Channels and Hangers: Galvanized steel; size and type to suit application and ceiling system flatness requirement specified.
- B. Hanger Wire: 12 gauge, 0.08 inch galvanized steel wire.
- C. Perimeter Moldings: Same metal and finish as grid.
 - 1. Angle Molding: L-shaped, for mounting at same elevation as face of grid.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify that layout of hangers will not interfere with other work.

3.02 INSTALLATION - SUSPENSION SYSTEM

- A. Rigidly secure system, including integral mechanical and electrical components, for maximum deflection of 1:360.
- B. Locate system on room axis according to reflected plan.
- C. Perimeter Molding: Install at intersection of ceiling and vertical surfaces and at junctions with other interruptions.
 - 1. Use longest practical lengths.
 - 2. Miter corners.
- D. Suspension System, Non-Seismic: Hang suspension system independent of walls, columns, ducts, pipes and conduit. Where carrying members are spliced, avoid visible displacement of face plane of adjacent members.
- E. Where ducts or other equipment prevent the regular spacing of hangers, reinforce the nearest affected hangers and related carrying channels to span the extra distance.
- F. Do not support components on main runners or cross runners if weight causes total dead load to exceed deflection capability.
- G. Support fixture loads using supplementary hangers located within 6 inches of each corner, or support components independently.

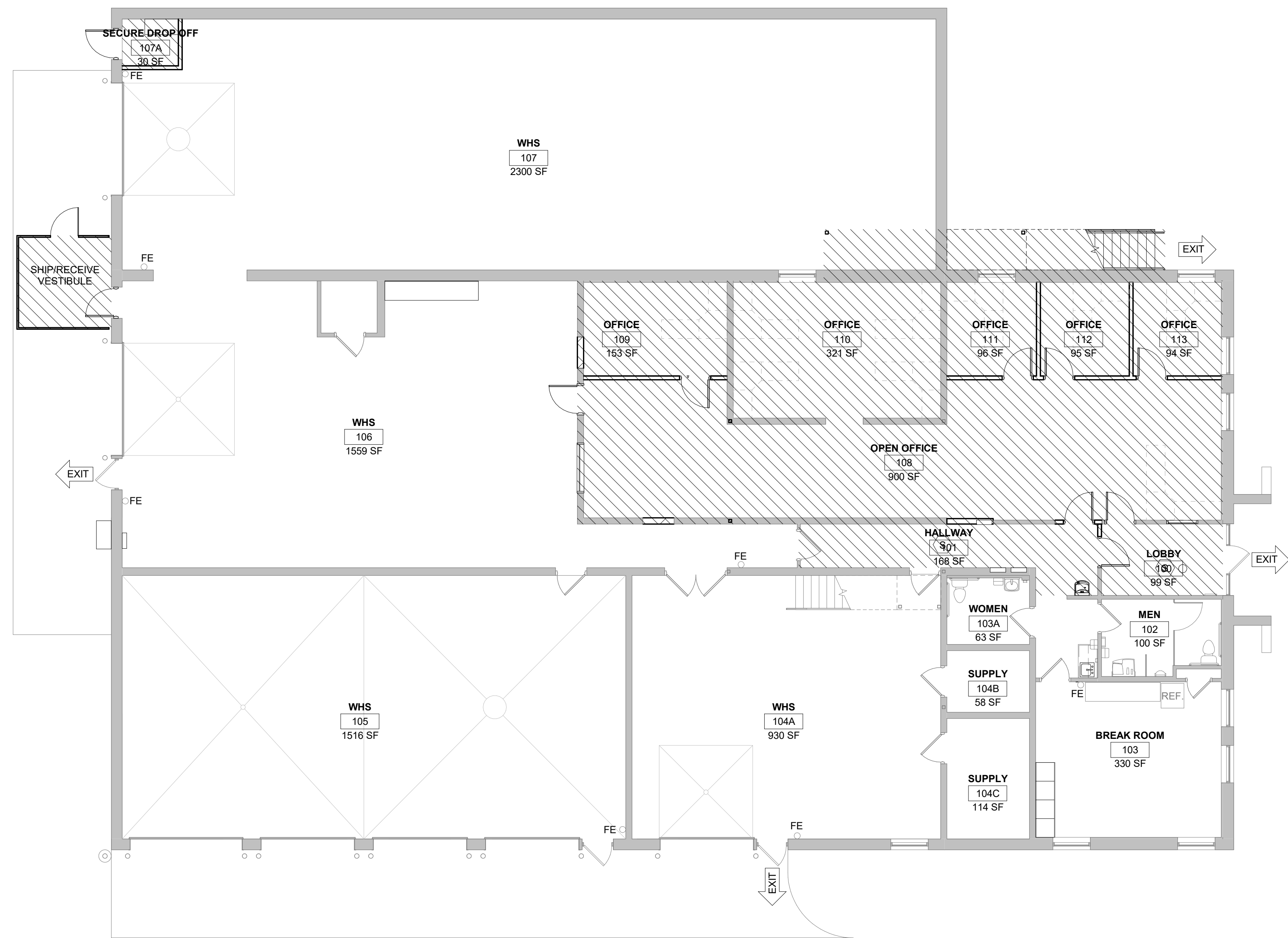
H. Do not eccentrically load system or induce rotation of runners.

3.03 INSTALLATION - ACOUSTICAL UNITS

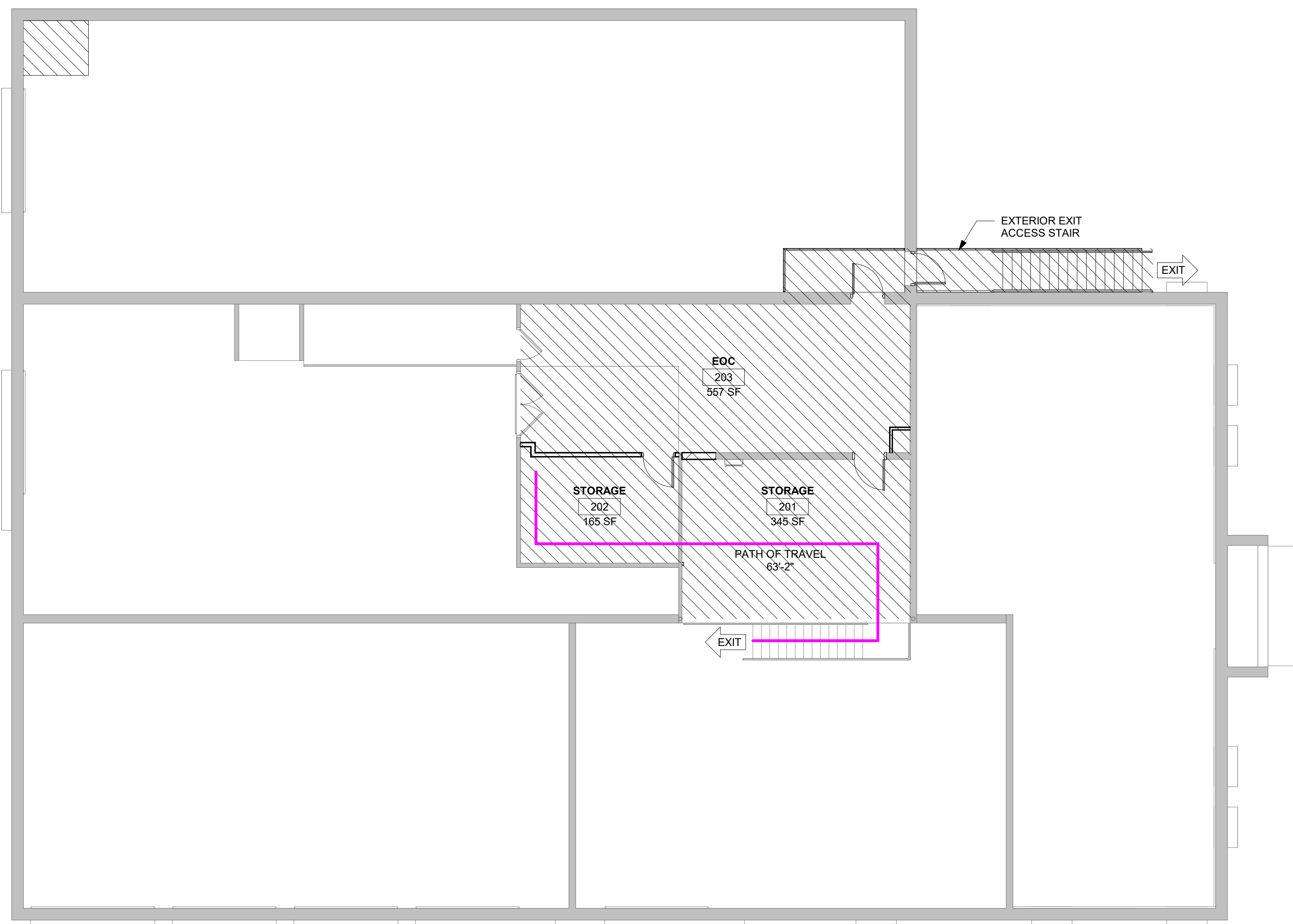
- A. Install acoustical units in accordance with manufacturer's instructions.
- B. Fit acoustical units in place, free from damaged edges or other defects detrimental to appearance and function.
- C. Fit border trim neatly against abutting surfaces.
- D. Install acoustical units level, in uniform plane, and free from twist, warp, and dents.
- E. Cutting Acoustical Units:
 - 1. Cut to fit irregular grid and perimeter edge trim.
 - 2. Make field cut edges of same profile as factory edges.
- F. Where round obstructions occur, provide preformed closures to match perimeter molding.

END OF SECTION

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1 LIFE SAFETY PLAN - LEVEL 1
1/8" = 1'-0"



2 LIFE SAFETY PLAN - MEZZANINE
1/8" = 1'-0"

CODE DATA: IBC 2015 WITH WISCONSIN AMENDMENTS

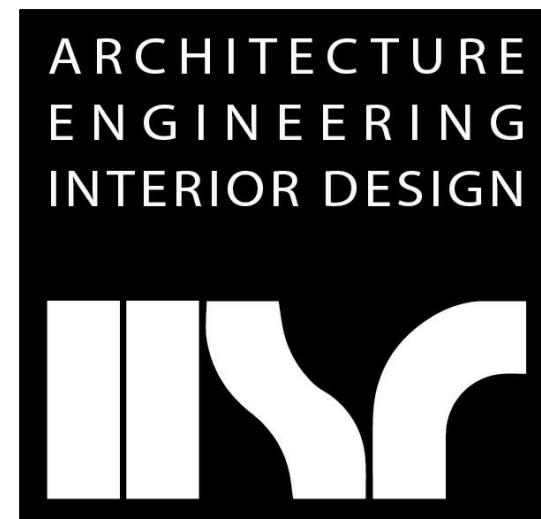
BUILDING OCCUPANCY:	GROUP B: OFFICES GROUP S-1: LOW-HAZARD STORAGE
TYPE OF CONSTRUCTION:	IIB - UNPROTECTED NON-COMBUSTIBLE
NO. OF STORIES:	2
EXIT DISTANCE:	200 FT
AGGREGATE EXIT WIDTH:	60' - 2" = 12" 144" PROVIDED
OCCUPANCY LOAD:	B: 3.531 SF / 100 = 35 OCC S-1: 7.612 SF / 300 = 25 OCC TOTAL: 60 OCC
ADDITIONAL PROJECT SPECIFIC DATA:	NO SPRINKLER PROVIDED

CODE DATA LEGEND:

- PATH OF TRAVEL
- WORK AREA (SHOWN HATCHED)
LEVEL 2 ALTERATION 3,550 SF
3,550 / 11,407 (GROSS BUILDING AREA) = 0.311 = 31.1%
- FE
- FIRE EXTINGUISHER - EXISTING
- AD1

CODE DATA NOTES:

A. MEZZANINE = 1,280 SF
AGGREGATE ROOMS OPEN TO (RM 104A, 106, 107) = 4,827 SF
1,280 / 4,827 = 0.265 = 26.5%



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Consultant:

Project Title: **WESTERN TECHNICAL COLLEGE
PHYSICAL PLANT RENOVATION**
Project Location: **505 9TH STREET NORTH
LA CROSSE, WISCONSIN**
Sheet Title: **LIFE SAFETY PLANS**

HSR Project Number: **21065**
Project Date: **MAR 2022**
Drawn By: **AF**

Key Plan:

Revisions:

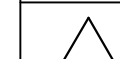



No.	Description	Date
AD1	Addendum #1	4/1/2022

Graphic Scale:
0' 2' 4' 8' 12'

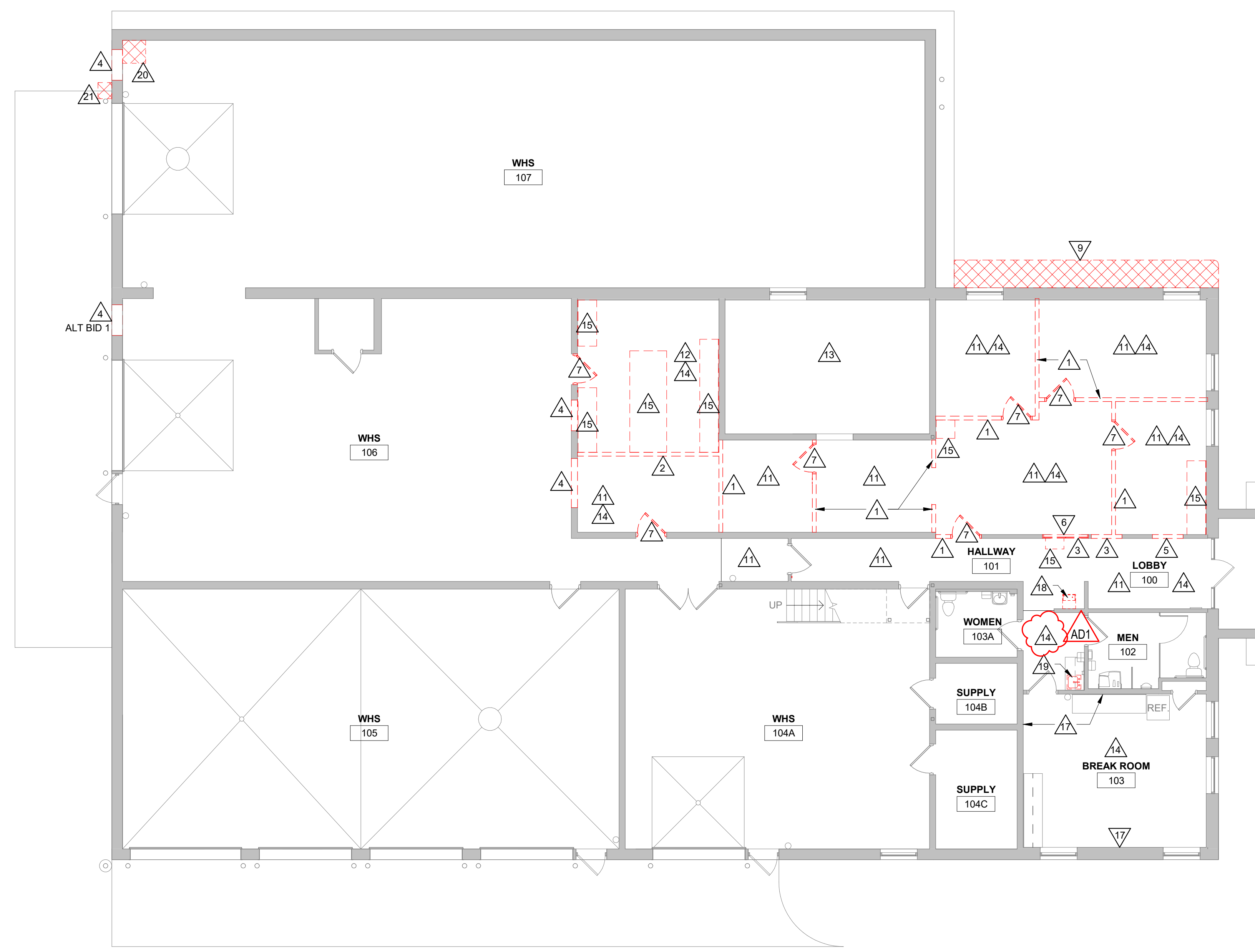
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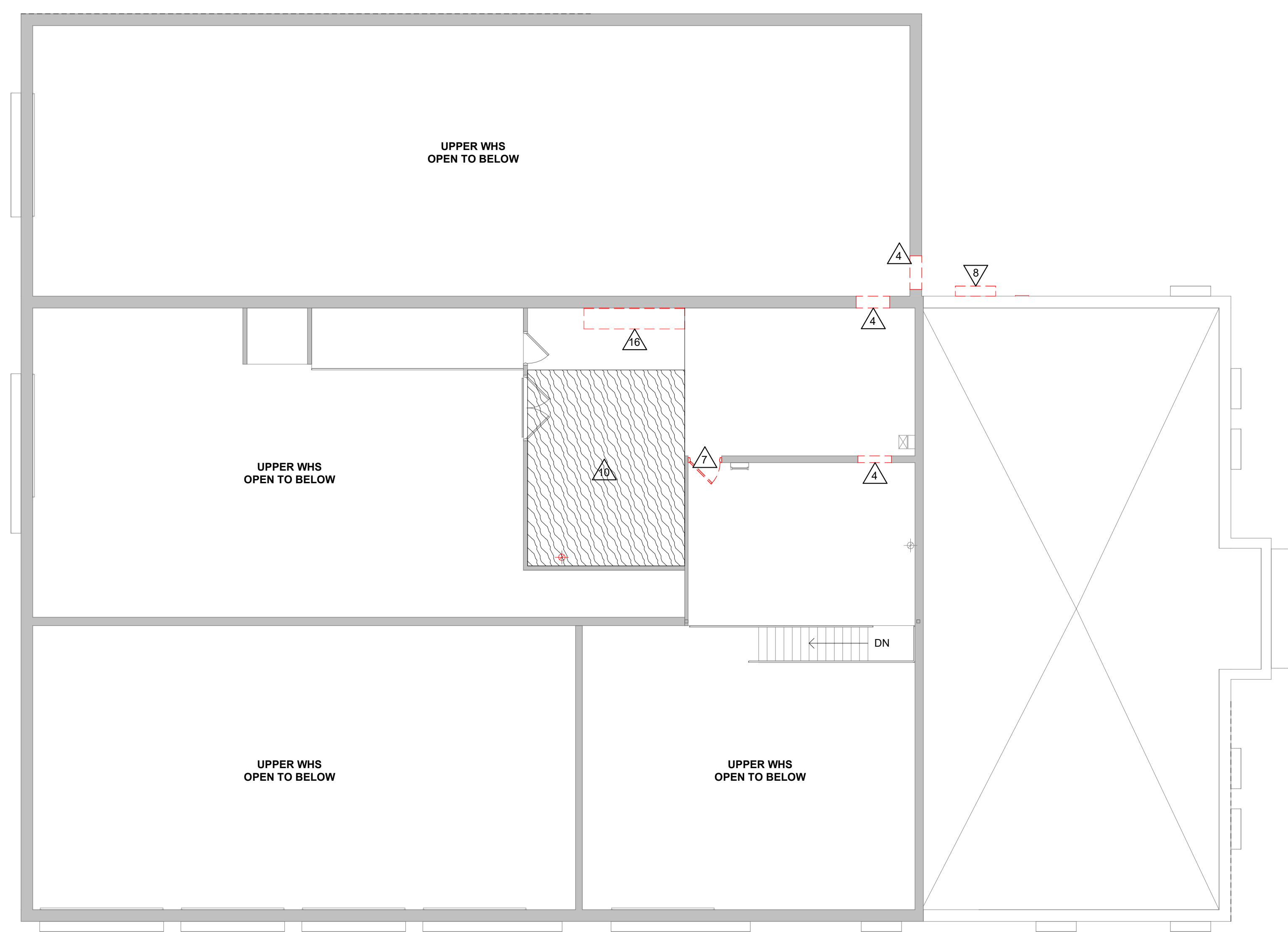
- REMOVAL GENERAL NOTES:**
- ALL ITEMS SHOWN DASHED ON DEMOLITION PLANS SHALL BE REMOVED FROM THE SITE UNLESS OTHERWISE NOTED. REFERENCE MEP DRAWINGS FOR APPLICABLE EQUIPMENT REMOVALS AND MODIFICATIONS. COORDINATE PATCHING AT EQUIPMENT REMOVALS.
 - AT WALL TYPES/MATERIALS, PREPARATION FOR NEW FINISHES SHALL INCLUDE, BUT NOT BE LIMITED TO, REMOVAL OF EXISTING FINISHES, TAPES, GLUES/MASTIC, NAILS AND RELATED ITEMS. PATCHING OF HOLES, INDENTATIONS AND CRACKS FOR AN ACCEPTABLE SURFACE FOR NEW FINISH INSTALLATION.
 - OWNER WILL REMOVE LOOSE FURNISHINGS AND EQUIPMENT FROM THE WORK AREA PRIOR TO START OF CONSTRUCTION.
 - MAINTAIN ALL EXIT DOORS AND CORRIDORS IN UNOBSTRUCTED OPERABLE CONDITION WITH SAFE PASSAGE AWAY FROM THE BUILDING.
 - ROOM NUMBERS ARE SHOWN ON THIS PLAN FOR INFORMATIONAL AND COORDINATION PURPOSES ONLY.
 - COORDINATE STORAGE LOCATIONS FOR SALVAGED ITEMS WITH OWNER.
 - PROVIDE FLOOR PROTECTION AS SPECIFIED AT DEBRIS REMOVAL PATHS THROUGH BUILDING.
 - IT EQUIPMENT SHALL REMAIN OPERATIONAL AND ACCESSIBLE TO WTC THROUGHOUT PROJECT. PHOTOGRAPH EQUIPMENT CONDITION BEFORE DEMOLITION BEGINS. PROTECT EQUIPMENT IN TEMPORARY ENCLOSURE(S) AND WITH PLASTIC DRAPING.
 - RETURN ALL REMOVED HARDWARE TO WTC.

- REMOVAL PLAN LEGEND:**
-  SYMBOL INDICATES CONSTRUCTION NOTE THIS SHEET
 -  REMOVE ITEMS NOTED WITH DASHED LINES
 -  SYMBOL INDICATES REMOVAL OF DOOR AND FRAME UNLESS NOTED OTHERWISE
 -  INDICATES CONC SLAB/SIDEWALK TO BE REMOVED

- KEY NOTES REMOVAL**
- REMOVE EXISTING STUD FRAMED PARTITION - FULL HEIGHT
 - REMOVE EXISTING MASONRY WALL - FULL HEIGHT
 - CUT AND DEMO PORTION OF EXISTING FRAMED WALL AS REQUIRED FOR NEW DOOR - SEE DOOR SCHEDULE FOR SIZE
 - CREATE OPENING IN EXISTING MASONRY WALL FOR NEW DOOR/WINDOW. OVERSIZE DEMOLISHED OPENING AS REQUIRED FOR INSTALLATION OF JAMB REINFORCING AND UNTEL
 - CREATE OPENING IN EXISTING STUD WALL FOR NEW WINDOW.
 - REMOVE EXISTING WINDOW
 - REMOVE EXISTING DOOR AND FRAME, INCLUDING SIDELIGHT AND/OR TRANSOM WHERE APPLICABLE
 - REMOVE EXISTING EIFS DETAIL ABOVE WINDOW
 - SAWCUT AND REMOVE EXISTING CONC SIDEWALK
 - REMOVE EXISTING PLYWOOD FLOORING (HATCHED)
 - REMOVE EXISTING CARPET FLOORING AND VINYL BASE
 - REMOVE EXISTING VCT FLOORING AND VINYL BASE
 - REMOVE EXISTING LVT FLOORING AND VINYL BASE
 - REMOVE EXISTING SUSPENDED ACOUSTIC TILE CEILING SYSTEM
 - REMOVE EXISTING CASEWORK
 - REMOVE EXISTING SHELVING
 - EXISTING WHITE BOARD AND BULLETIN BOARD TO BE REMOVED AND REINSTALLED BY OWNER
 - REMOVE ELECTRIC WATER COOLER - SEE PLUMBING
 - REMOVE EXISTING SINK - SEE PLUMBING
 - SAWCUT AND REMOVE EXISTING CONC FLOOR FOR PIPE REMOVAL - SEE PLUMBING
 - SAWCUT AND REMOVE EXISTING EXTERIOR CONC SLAB FOR REROUTING CONDUIT - SEE ELECTRICAL



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



2 MEZZANINE DEMOLITION PLAN
1/8" = 1'-0"

Project Title: **WESTERN TECHNICAL COLLEGE
PHYSICAL PLANT RENOVATION**
Project Location: **505 9TH STREET NORTH
LA CROSSE, WISCONSIN**
Sheet Title: **DEMOLITION PLANS**

HSR Project Number: **21065**
Project Date: **MAR 2022**
Drawn By: **AF**

Key Plan:

No.	Description	Date
AD1	Addendum #1	4/12/2022

Graphic Scale:
0' 2' 4' 8' 12'

Last Update:
3/31/2022 2:58:22 PM

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Consultant:

PLAN GENERAL NOTES:

- A. REFER TO OVERALL PLANS FOR FIRE RATING LOCATIONS AND ACCESSIBILITY ROUTES.
- B. SEE ID SHEETS FOR FLOOR AND WALL FINISH LAYOUTS.
- C. LOOSE FURNISHINGS EXCEPT AS NOTED SHALL BE PROVIDED AND INSTALLED BY THE OWNER.
- D. PAINT ALL EXPOSED STEEL LINTELS.
- E. EXTEND ALL WALLS TO DECK UNLESS NOTED OTHERWISE. SEE A500 FOR TOP OF WALL DETAILS.
- F. INSTALL BULLNOSE CMU AT ALL OUTSIDE CORNERS W/O TILE AND AT DOOR JAMBS AS DETAIL. NO BULLNOSE AT WINDOW JAMBS.
- G. SEE A500 FOR WALL CONTROL JOINT DETAILS. SEE PLANS AND ELEVATIONS FOR CJ LOCATIONS. CJ = CONTROL JOINTS.
- H. VERIFY EXACT SIZE AND LOCATION OF ALL MECHANICAL / PLUMB AND ELEC OPENINGS. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINISH AT ALL VISIBLE AREAS. ALL OPENING SHALL BE SEALED AFTER UTILITY INSTALLATION.
- I. IT EQUIPMENT SHALL REMAIN OPERATIONAL AND ACCESSIBLE TO MTC THROUGH ENTIRE PROJECT. PHOTOGRAPH EQUIPMENT CONDITION BEFORE DEMOLITION BEGINS. PROTECT EQUIPMENT IN TEMPORARY ENCLOSURE(S) AND WITH PLASTIC DRAPING.

PLAN LEGEND:

- (A) SYMBOL INDICATES WALL TYPE. SEE SHEET A600 FOR WALL TYPE DETAILS.
- (A) SYMBOL INDICATES WINDOW TYPE. SEE SHEET A600 FOR WINDOW FRAME ELEVATIONS.
- (A) SYMBOL INDICATES CONSTRUCTION NOTE THIS SHEET

KEY NOTES PLAN

- 1 OWNER OCCUPIED TEMP OFFICE AREA
- 2 GC STAGING IN PARKING LOT
- 3 ALLEY TO REMAIN CLEAR AND ACCESSIBLE
- 4 10'-0" PREFAB EXTERIOR VESTIBULE OFCI - ALT BID
- 5 FURNITURE N.I.C.
- 6 PATCH WALL FINISH AT REMOVED PARTITION
- 7 CMU INFILL AT EXISTING OPENING. TOOTH INTO EXISTING CMU STUD AND GYP BOARD INFILL AT EXISTING OPENING - PATCH FINISH TO MATCH ADJACENT
- 8 EXISTING ROOF HATCH AND ACCESS LADDER TO REMAIN
- 9 TOOTH IN NEW MASONRY AND PATCH EIFS WALL FINISH AT NEW DOOR OPENING
- 10 TOOTH IN MASONRY AT NEW DOOR OPENING
- 11 TOOTH IN MASONRY AT NEW DOOR OPENING
- 12 PATCH EFS AT REMOVED DETAIL ABOVE WINDOW
- 13 PATCH EFS AT NEW MECH
- 14 1 1/4" DIA. (16# O.D.) STEEL PIPE HANDRAIL W/ BRACKETS ATTACHED TO CMU (PAINT) PATCH EFS AS REQ'D. RETURN RAIL TO WALL AT END. INFO BID 1
- 15 TO EXISTING FLOOR AREA (MATCHED) WITH APPROX. 1" CONCRETE LEVEL TO ADJACENT FLOOR FINISH. SHORE EXISTING FLOOR STRUCTURE AT MID-SPAN FROM BELOW DURING PLACEMENT AND CURING OF THE TOPPING SLAB TO PREVENT EXCESSIVE DEFLECTION OF FLOOR SYSTEM
- 16 OWNER TO REMOVE AND REINSTALL WHITE BOARDS AND BULLETIN BOARDS. TYP
- 17 EXISTING CASEWORK TO REMAIN
- 18 EXTERIOR STAIR PLATFORM BY STEEL FABRICATOR. INFO BID 1
- 19 EXPOSED BASE PLATE ON EXISTING FLOOR AT NEW COLUMN. INFO BID 1
- 20 ANCHOR STAIR PLATFORM TO EXISTING WALL. INFO BID 1
- 21 20" DIA. SONOTUBE. MIN. 3" BELOW GRADE. REINFORCE WITH (8) #6 VERTICAL BARS AND #3 CIRCLE TIES. SEE 3A100. INFO BID 1
- 22 NEW HSS 4x4x5/16 POST WITH 10" x 10" BASE PLATE THAT IS 1/2" THICK WITH (6) 3/4" DIAMETER SIMPSON TITEN HD ANCHORS INTO THE EXISTING FLOOR SLAB (ANCHORS SPACED 7" APART). EMBED INTO MASONRY WALL
- 23 NEW W6x8 (108'-0") BEAM
- 24 NEW 6" WIDE x 8" TALL BOND LINTEL WITH (2) #6 BOTTOM BARS
- 25 NEW 12" WIDE x 8" TALL BOND LINTEL WITH (2) #6 BOTTOM BARS
- 26 NEW 6" WIDE x 16" TALL BOND LINTEL WITH (2) #6 BOTTOM BARS
- 27 NEW ELECTRIC WATER COOLER - SEE PLUMBING
- 28 REPLACE EXISTING SINK - SEE PLUMBING
- 29 CUT AND PATCH CONCRETE OVER ABANDONED STORM MAIN. SEE PLUMBING
- 30 WALL MOUNTED TV - OFDI. POWER/DATA BY GC. VERIFY FINAL LOCATION WITH OWNER. SEE ELECTRICAL
- 31 WORK STATIONS - OFDI. POWER/DATA BY GC. SEE ELECTRICAL
- 32 CUT AND PATCH CONCRETE TO REROUTE CONDUIT. SEE ELECTRICAL
- 33 12"x12" ACCESS PANEL. SEE ELECTRICAL
- 34 PLYWOOD PANEL FOR ELECTRICAL PANEL MOUNTING. SEE ELECTRICAL
- 35 PATCH ROOFING AS REQUIRED FOR NEW MECH.

STRUCTURAL NOTES:

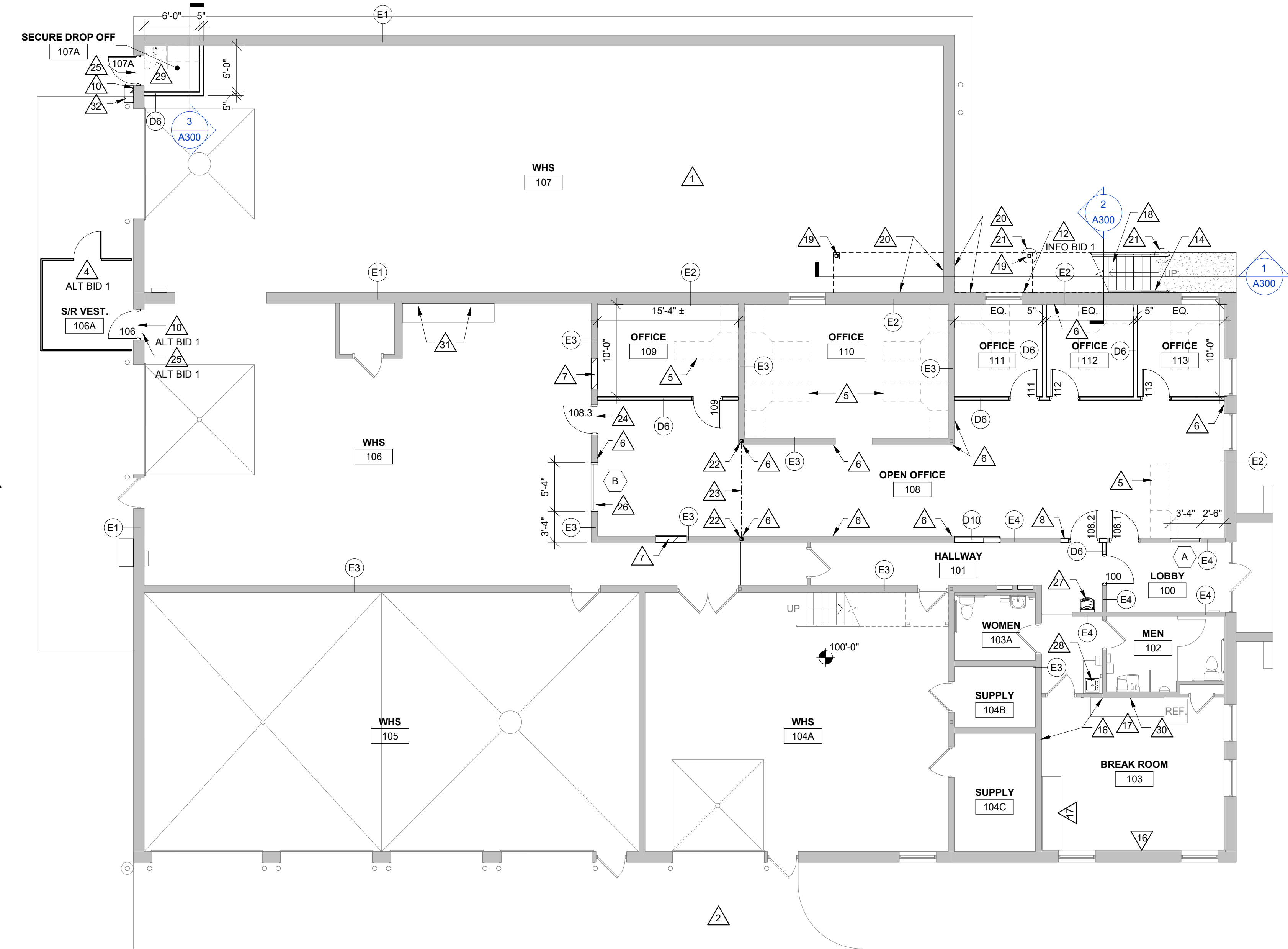
MATERIAL STRENGTHS AND STANDARDS
THE MATERIAL STRENGTHS AND STANDARDS LISTED HERE REPRESENT A SELECTED SUMMARY OF THE REQUIREMENTS NOTED IN THE SPECIFICATIONS. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION. IN CASE OF DISCREPANCY BETWEEN THESE NOTES AND THE SPECIFICATIONS, THESE NOTES SHALL GOVERN.

SOILS
DESIGN SOIL BEARING CAPACITY FOR SPREAD/STRIP FOOTINGS 2,000 PSF (ASSUMED)

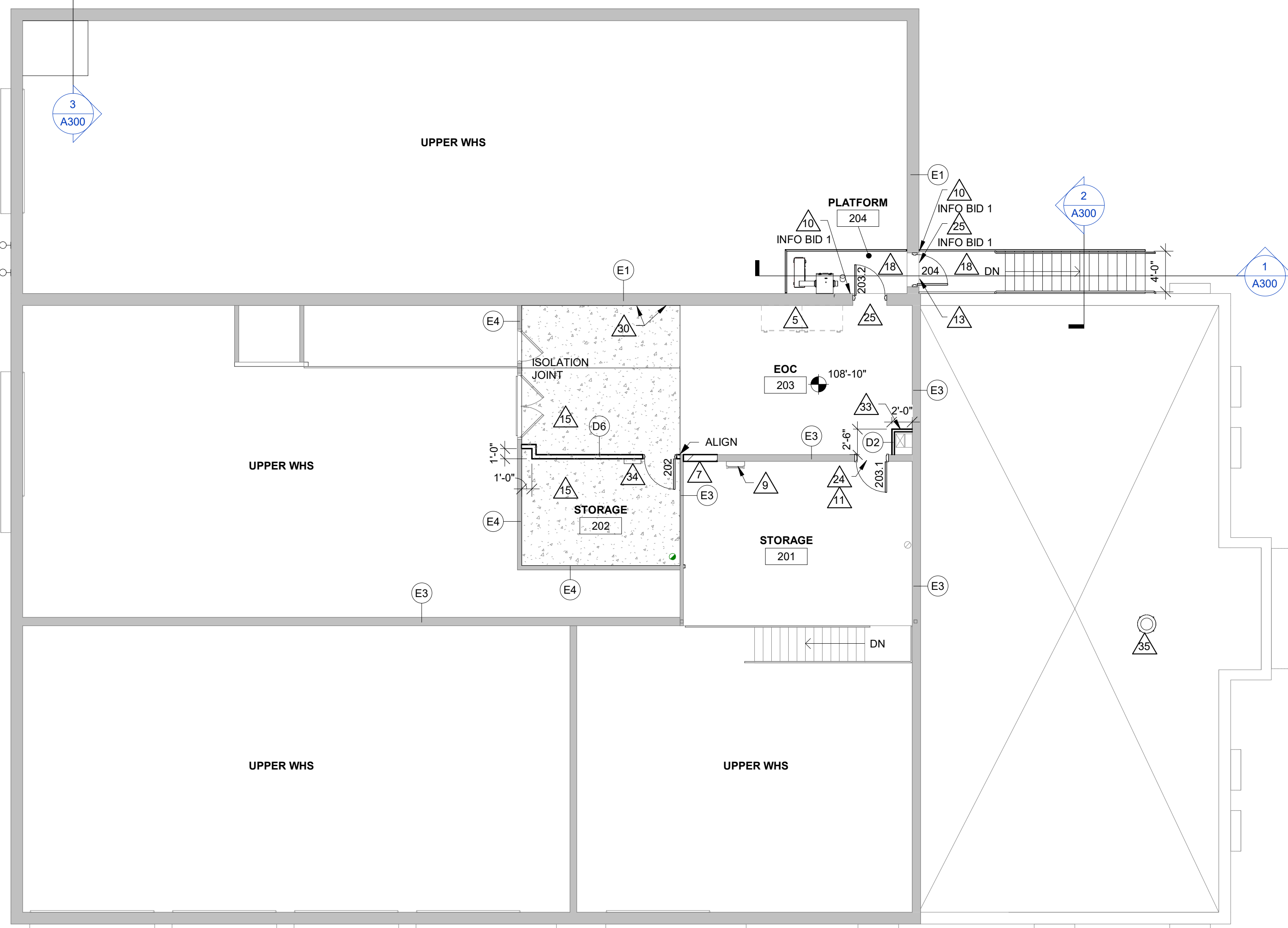
CONCRETE (28 DAY STRENGTH)
FOUNDATION WALLS OR PIERS $f'_c = 4,000$ PSI
CONCRETE TOPPING SLAB $f'_c = 3,000$ PSI
INTERIOR SLAB-ON-GRADE $f'_c = 4,000$ PSI
EXTERIOR SLAB-ON-GRADE $f'_c = 4,500$ PSI

MASONRY
CONCRETE MASONRY UNIT ASSEMBLY $f'_m = 2,500$ PSI
CONCRETE MASONRY UNIT (ASTM C90 - NORMAL WEIGHT) 3,250 PSI
MORTAR (ASTM C270) TYPE S
GROUT (ASTM C476) $f'_c = 3,000$ PSI
ANCHOR RODS (ASTM F1554, GRADE 36) $f_u = 36,000$ PSI

STRUCTURAL STEEL (SHAPES)
WF, WT SECTIONS (ASTM A992) $f_y = 50,000$ PSI; $f_u = 65,000$ PSI
HSS SHAPES - RECTANGULAR (ASTM A500, GRADE C) $f_y = 50,000$ PSI; $f_u = 65,000$ PSI
PLATES (ASTM A572) $f_y = 36,000$ PSI; $f_u = 58,000$ PSI
HIGH STRENGTH BOLTS (1 1/2" MAXIMUM DIAMETER) A325 UNO
TENSION CONTROL BOLTS F1852 UNO
WELDING ELECTRODES E70XX



1 FIRST FLOOR REMODEL PLAN
1/8" = 1'-0"



2 MEZZANINE REMODEL PLAN
1/8" = 1'-0"

3 DETAIL
1 1/2" = 1'-0" INFO BID 1

**WESTERN TECHNICAL COLLEGE
PHYSICAL PLANT RENOVATION**
 Project Title: WESTERN TECHNICAL COLLEGE
 Project Location: 505 9TH STREET NORTH
 LA CROSSE, WISCONSIN
 Sheet Title: REMODEL PLANS

HSR Project Number: **21065**
 Project Date: **MAR 2022**
 Drawn By: **AF**

No.	Description	Date
AD1	Addendum #1	4/1/2022

Graphic Scale: 0' 2' 4' 8' 12'

Last Update: **3/31/2022 3:02:19 PM**

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Consultant:

Project Title: **WESTERN TECHNICAL COLLEGE
PHYSICAL PLANT RENOVATION**
Project Location: **505 9TH STREET NORTH
LA CROSSE, WISCONSIN**
Sheet Title: **REFLECTED CEILING PLANS**

HSR Project Number: **21065**

Project Date: **MAR 2022**

Drawn By: **AF**

Key Plan:

No.	Description	Date
AD1	Addendum #1	4/1/2022

Graphic Scale: **VARIES**

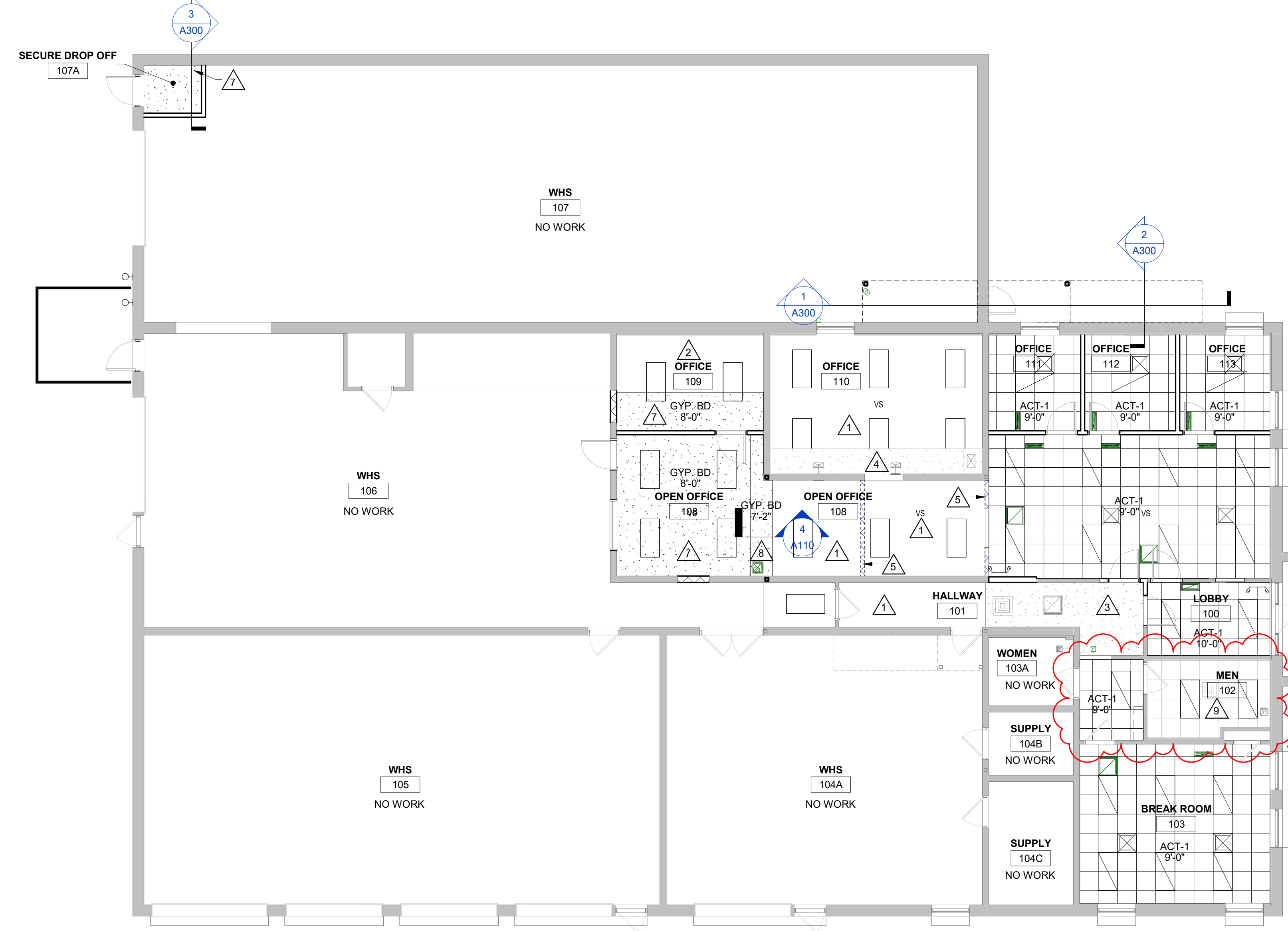
Last Update: **4/1/2022 8:57:17 AM**

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- RCP GENERAL NOTES:**
- REFER TO MECHANICAL AND PLUMBING CEILING ACCESS PANEL LOCATIONS & SIZES.
 - SEE MECHANICAL FOR CEILING GRILLE INFORMATION.
 - SEE ELECTRICAL FOR LIGHTING TYPES.
 - ALL INTERIOR PARTITIONS TO EXTEND TO BOTTOM OF DECK UNLESS OTHERWISE NOTED. GLOBE DECK FLUTES AT TOP OF WALL WITH NEOPRENE FILLER OR FIRESTOPPING SYSTEM. IN GYPSUM PARTITIONS SEE SPECIFICATION FOR LEVEL OF FINISH ABOVE FINISHED CEILING.
 - ALL REMAINING ANNULAR SPACE AROUND ITEMS PENETRATING WALLS SHALL BE NEATLY SEALED. PENETRATIONS OF FIRE RATED WALLS SHALL BE FIRESTOPPED WITH THE SAME AS THE WALL.
 - WHERE NO CEILING EXPOSED STRUCTURE UNLESS NOTED OTHERWISE, CONTRACTOR SHALL KEEP ALL MEP ABOVE OR SUPPORT THE WORK FROM THE ROOF DECK IN ANY FASHION. CONDUIT RUNS SHALL NOT BE LAID ON ROOF DECK NOR LAID ON THE STRUCTURAL SUPPORT THAT SUPPORTS THE ROOF DECK. NO FASTENERS SHALL PENETRATE ROOF DECK BY ANY TRADE OTHER THAN THE ROOFING CONTRACTOR FOR THE NEW ROOF SYSTEM.
 - ALL EXTERIOR EXPOSED STEEL LINTELS/HEADERS SHALL BE GALVANIZED, PRIMED AND PAINTED UNLESS NOTED OTHERWISE. REFER TO INTERIOR DESIGN SHEETS FOR OTHER FINISHES.
 - HANGERS AND SUPPORTS: MECHANICAL, PLUMBING, ELECTRICAL AND OTHER CASING CONTRACTORS SHALL NOT HANG OR SUPPORT THE WORK FROM THE ROOF DECK IN ANY FASHION. CONDUIT RUNS SHALL NOT BE LAID ON ROOF DECK NOR LAID ON THE STRUCTURAL SUPPORT THAT SUPPORTS THE ROOF DECK. NO FASTENERS SHALL PENETRATE ROOF DECK BY ANY TRADE OTHER THAN THE ROOFING CONTRACTOR FOR THE NEW ROOF SYSTEM.
 - CONFIRM EXACT LOCATION OF OVERHEAD PROJECTORS AND OTHER CEILING MOUNTED EQUIPMENT WITH OWNER/ MANUFACTURER PRIOR TO INSTALLATION. SEE EQUIPMENT PLANS FOR ADDITIONAL EQUIPMENT.
 - CEILING TYPES INSTALLED AS NOTED ON PLANS. SEE SPECIFICATIONS FOR ADDITIONAL SYSTEM INFORMATION. ACT-1=SQUARE EDGE

- RCP LEGEND:**
- LIGHT FIXTURE - SEE ELECTRICAL
 - LIGHT FIXTURE - SEE ELECTRICAL
 - SUPPLY - SEE MECHANICAL
 - RETURN - SEE MECHANICAL
 - EXHAUST - SEE MECHANICAL
 - RADIANT HEATER - SEE MECHANICAL

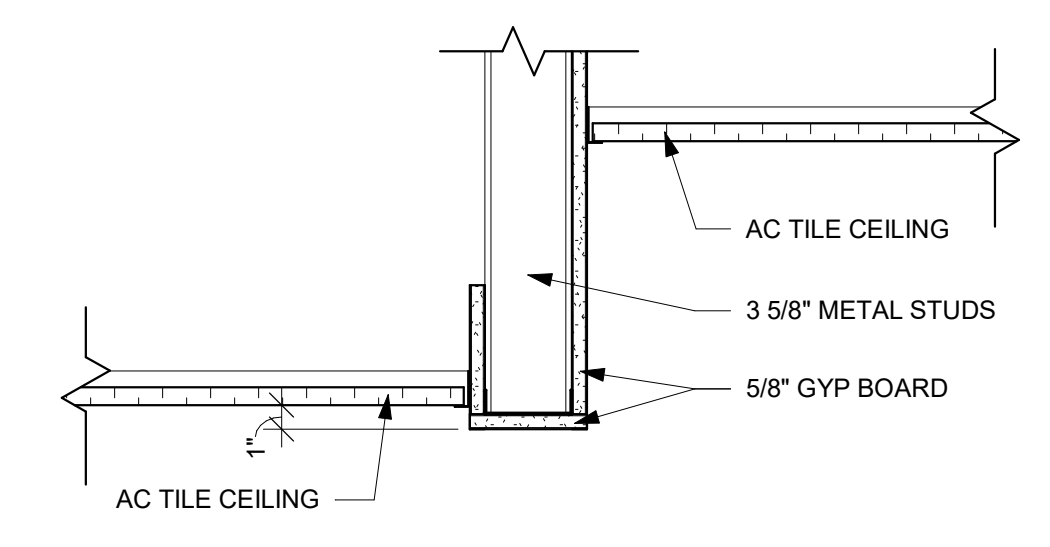
- KEY NOTES RCP**
- EXISTING CONC PLANK CEILING - PAINT
 - EXISTING CONC PLANK CEILING; MATCH EXISTING POPCORN TEXTURE - PAINT
 - EXISTING GYP BOARD CEILING - PAINT
 - EXISTING GYP BOARD SOFFIT - PAINT
 - PATCH POPCORN CEILING TEXTURE TO MATCH EXISTING AT REMOVED PARTITION
 - EXISTING ROOF HATCH TO REMAIN
 - GYP BOARD CEILING - PAINT
 - GYP BOARD SOFFIT - PAINT
 - REMOVE AND SALVAGE ACT AS REQUIRED FOR MECHANICAL WORK. REINSTALL TILE



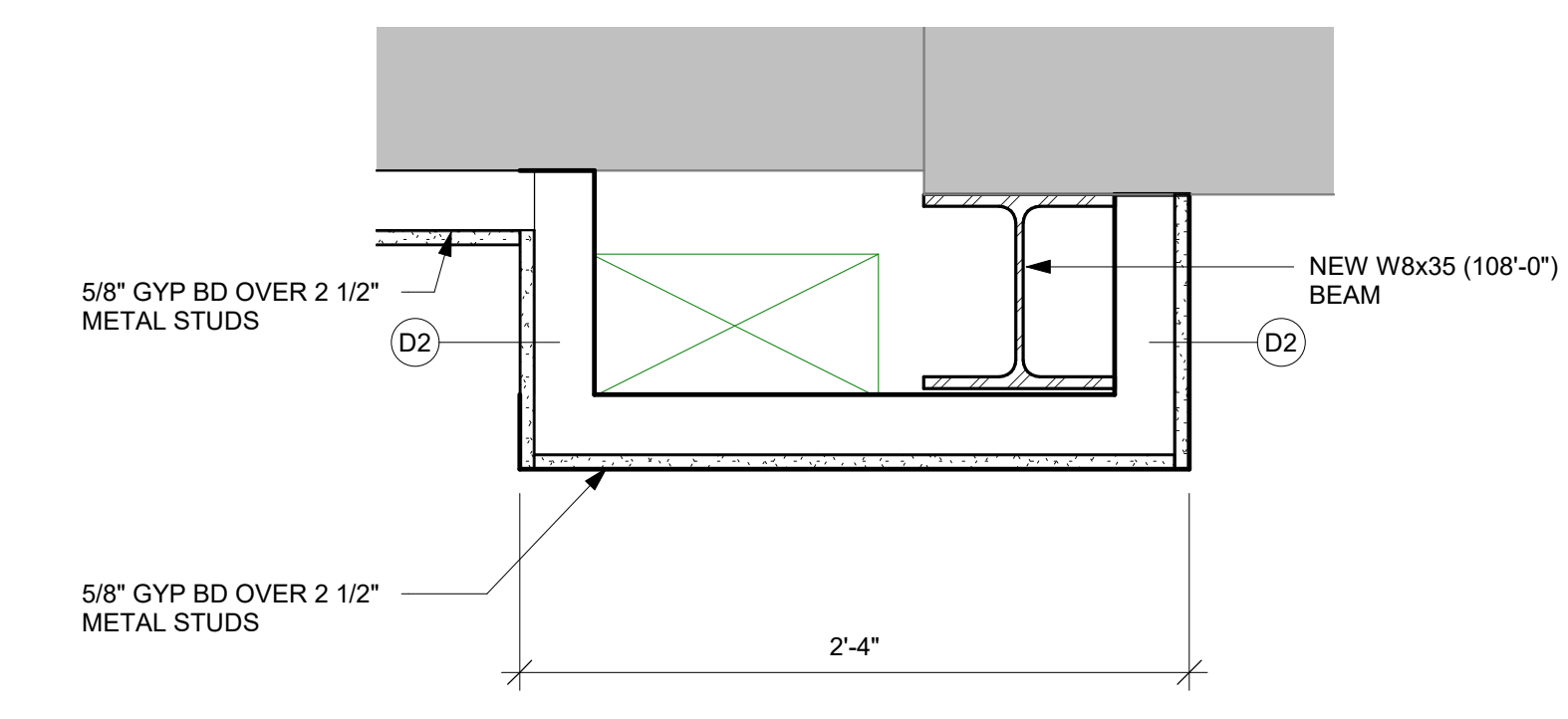
1 FIRST FLOOR REFLECTED CEILING PLAN
1/8" = 1'-0"



2 MEZZANINE REFLECTED CEILING PLAN
1/8" = 1'-0"



3 CEILING DETAIL
1 1/2" = 1'-0"



4 SOFFIT DETAIL
1 1/2" = 1'-0"



Consultant:

WESTERN TECHNICAL COLLEGE
PHYSICAL PLANT RENOVATION

505 9TH STREET NORTH
LA CROSSE, WISCONSIN

WALL TYPES, DOOR SCHEDULE, SECTION

Project Title:

HSR Project Number:
21065

Project Date:
MAR 2022

Drawn By:
AF

Key Plan:

No.	Description	Date
AD1	Addendum #1	4/1/2022

Graphic Scale:

Last Update:
3/31/2022 2:23:25 PM

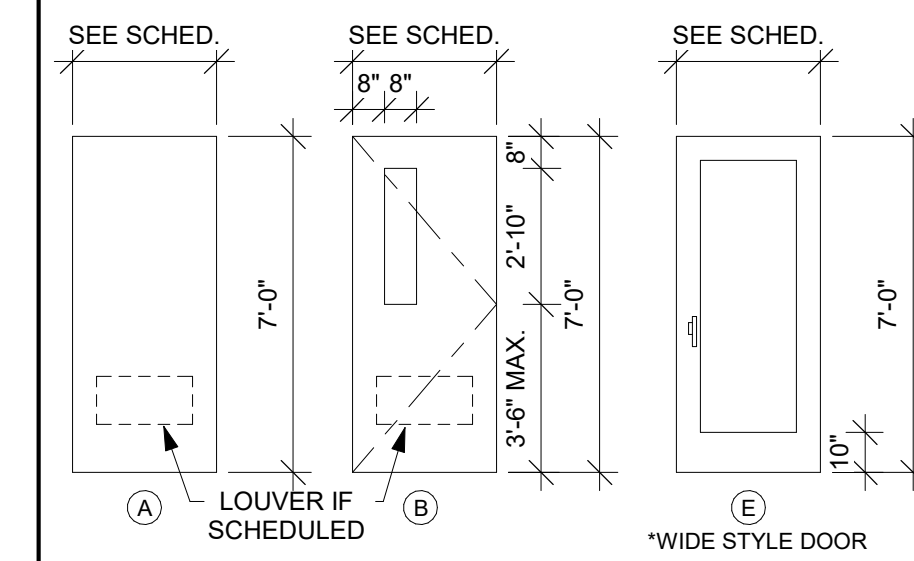
A600

DOOR NO.	DOOR						FRAME						FIRE LABEL	HDWR GROUP	SIGNAGE	REMARKS	
	SIZE			MAT'L	DOOR TYPE	GLASS TYPE	U-CUT OR LOUVER	MAT'L	FRAME ELEV	DEPTH	DETAILS						
	W	H	T								HEAD	JAMB					SILL
100	3'-0"	7'-0"	1 3/4"	SCWD	E			IHM	AA	5 7/8"		6/A500				1	
106	3'-0"	7'-0"	1 3/4"	IHM	B			IHM	BB	5 3/4"	5/A500	3/A500, 4/A500				2	
107A	3'-0"	7'-0"	1 3/4"	IHM	A			IHM	BB	5 3/4"	5/A500	3/A500, 4/A500				2	
108.1	3'-0"	7'-0"	1 3/4"	SCWD	E			IHM	AA	5 7/8"		6/A500 SIM.				3	
108.2	3'-0"	7'-0"	1 3/4"	SCWD	E			IHM	AA	5 7/8"		6/A500 SIM.				4	
108.3	3'-0"	7'-0"	1 3/4"	SCWD	B		GLT-4	IHM	BB	8 5/8"	2/A500	1/A500				5	
109	3'-0"	7'-0"	1 3/4"	SCWD	B		GLT-4	IHM	AA	5 7/8"		6/A500				6	
111	3'-0"	7'-0"	1 3/4"	SCWD	B		GLT-4	IHM	AA	5 7/8"		6/A500				6	
112	3'-0"	7'-0"	1 3/4"	SCWD	B		GLT-4	IHM	AA	5 7/8"		6/A500				6	
113	3'-0"	7'-0"	1 3/4"	SCWD	B		GLT-4	IHM	AA	5 7/8"		6/A500				6	
202	3'-0"	7'-0"	1 3/4"	IHM	A			IHM	AA	4 5/8"	3/A500	1/A500		AD1		6	
203.1	3'-0"	7'-0"	1 3/4"	SCWD	A			IHM	BB	5 3/4"	3/A500	3/A500				1	
203.2	3'-0"	7'-0"	1 3/4"	SCWD	A			IHM	BB	5 3/4"	3/A500	3/A500				2	
204	3'-0"	7'-0"	1 3/4"	IHM	A			IHM	BB	5 3/4"	5/A500	3/A500	6/A500			1,2	

DOOR SCHEDULE GENERAL NOTES

- HM = HOLLOW METAL IHM = INSULATED HOLLOW METAL SCWD = SOLID CORE WOOD DOOR
 A. SEE SPECIFICATIONS FOR DOOR HARDWARE GROUPS
 B. ALL HM (HOLLOW METAL) AND IHM (INSULATED HOLLOW METAL) DOORS AND FRAMES SHALL BE PAINTED

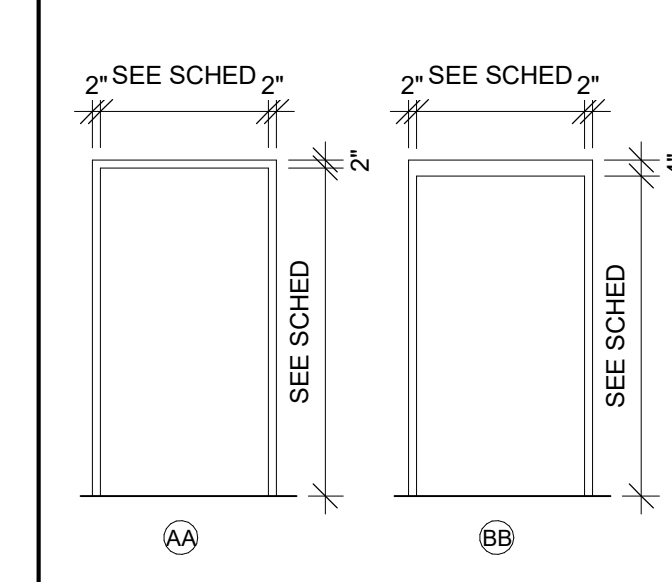
DOOR TYPES



DOOR FRAME GENERAL NOTES

- HM = HOLLOW METAL IHM = INSULATED HOLLOW METAL
 A. ALL HM (HOLLOW METAL) AND IHM (INSULATED HOLLOW METAL) FRAMES SHALL BE PAINTED.

DOOR FRAME TYPES



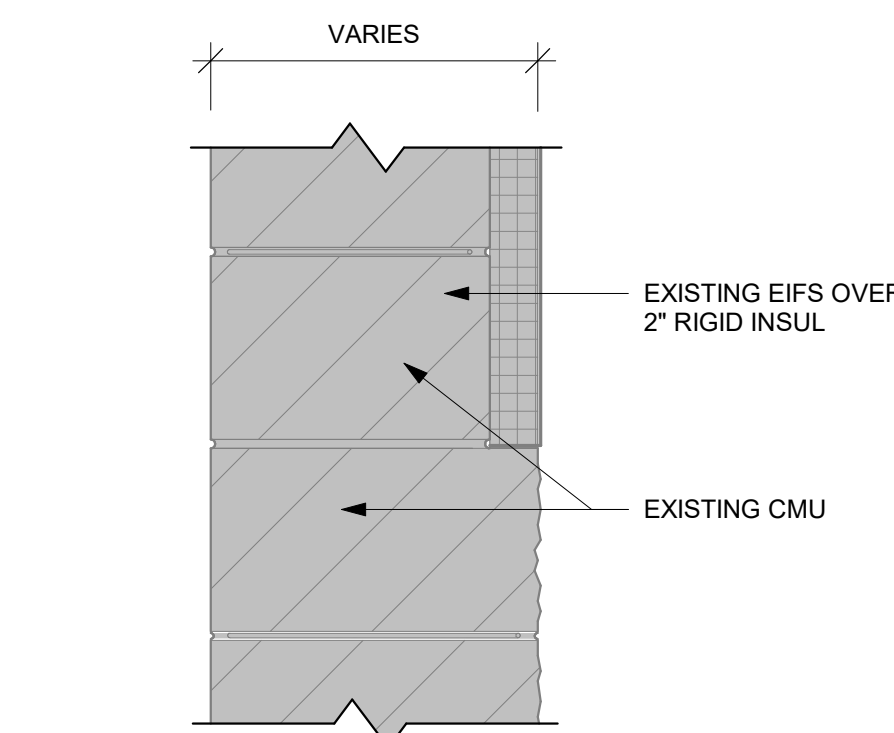
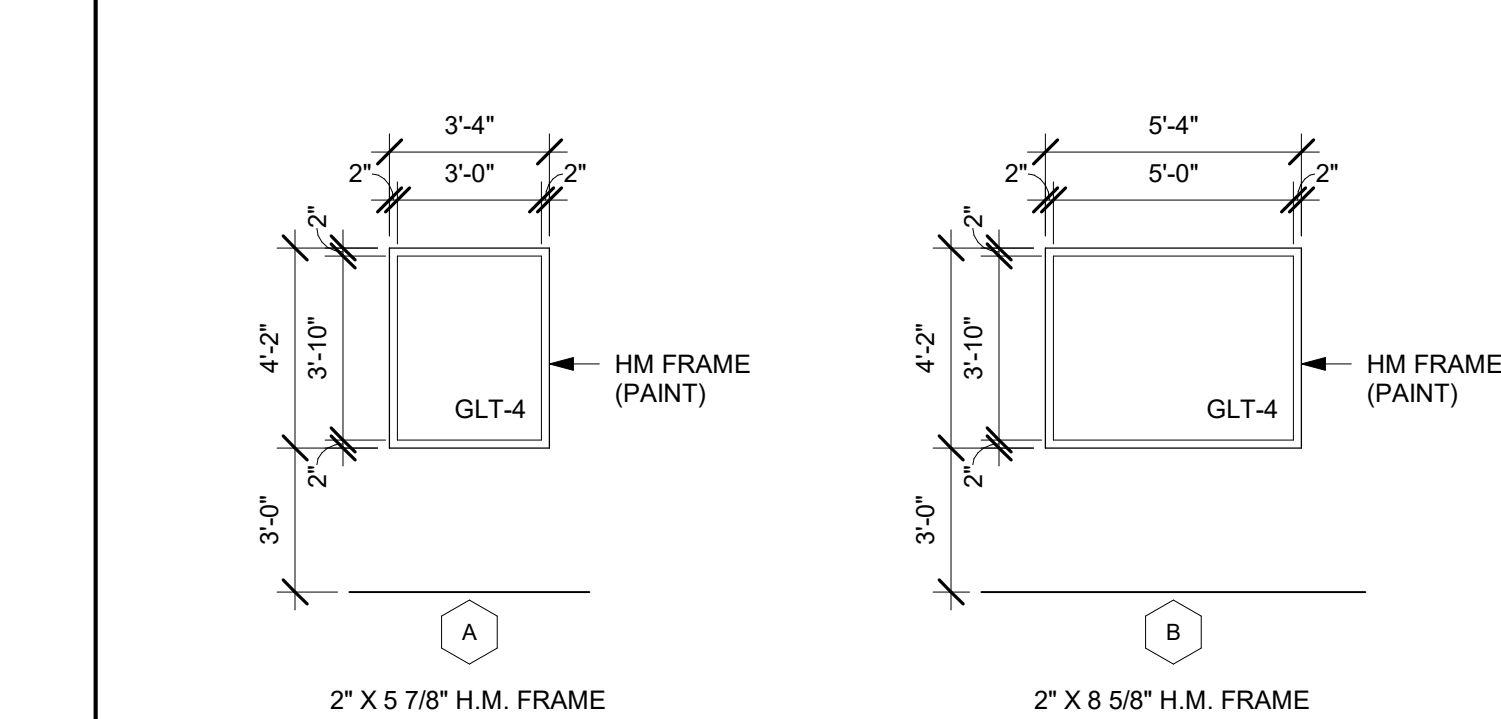
DOOR SCHEDULE REMARKS

- ELECTRONIC CARD ACCESS AND ELECTRONIC STRIKE REQUIRED.
- INCLUDE AS PART OF INFORMATIONAL BID 1.

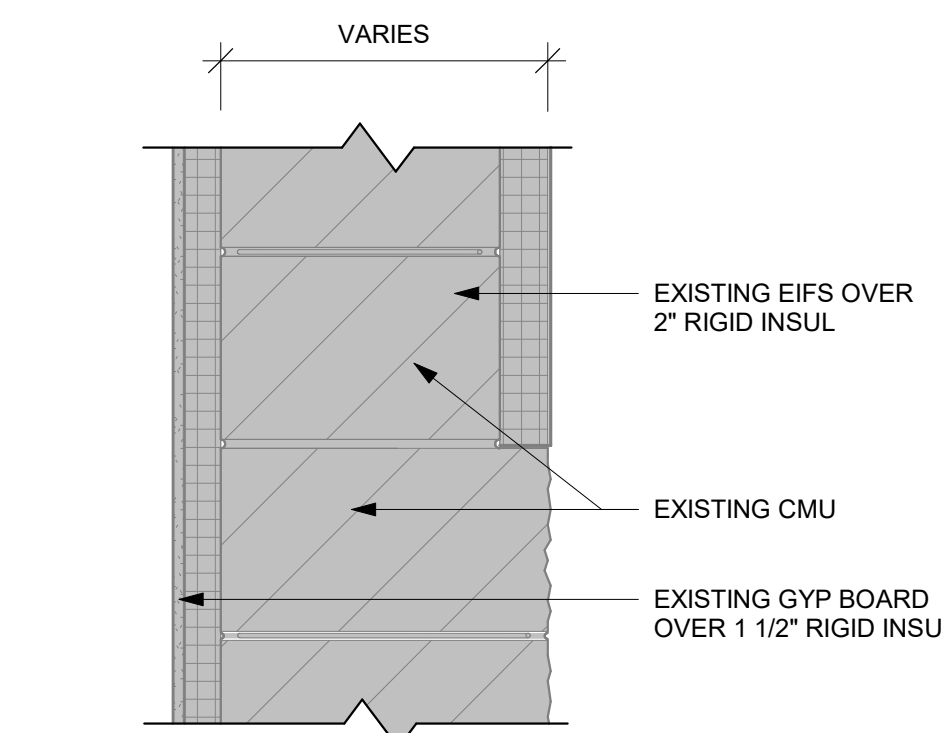
WINDOW FRAME GENERAL NOTES

- HM = HOLLOW METAL
 A. ALL HM (HOLLOW METAL) FRAMES SHALL BE PAINTED.

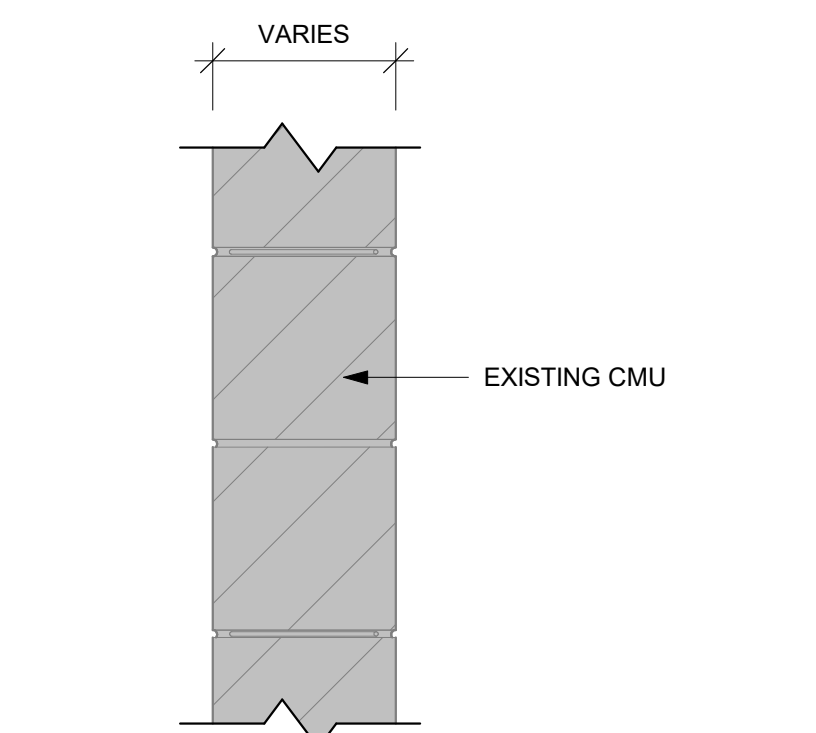
WINDOW FRAME TYPES



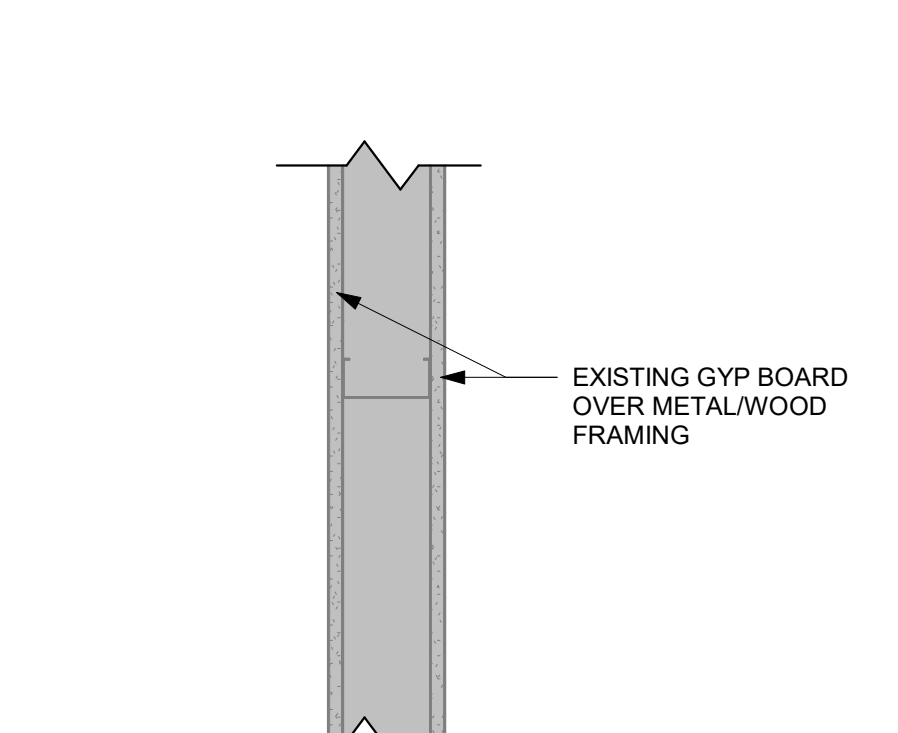
PARTITION TYPE	STUD SPACING	PARTITION WIDTH ACTUAL	PARTITION WIDTH NOMINAL	FIRE RATING	UL #	STC RATING
E1						



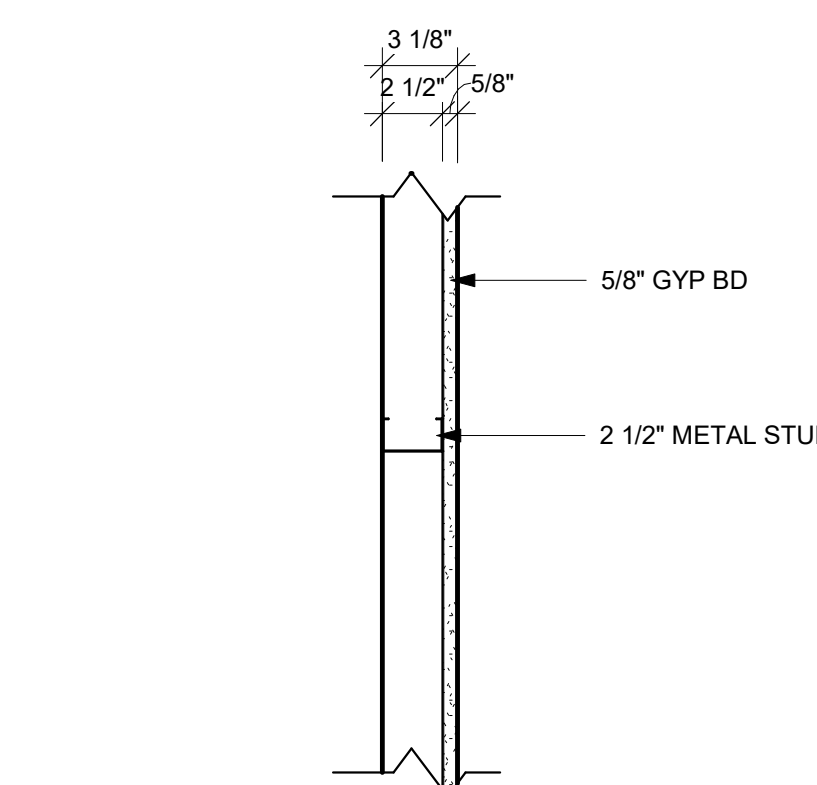
PARTITION TYPE	STUD SPACING	PARTITION WIDTH ACTUAL	PARTITION WIDTH NOMINAL	FIRE RATING	UL #	STC RATING
E2						



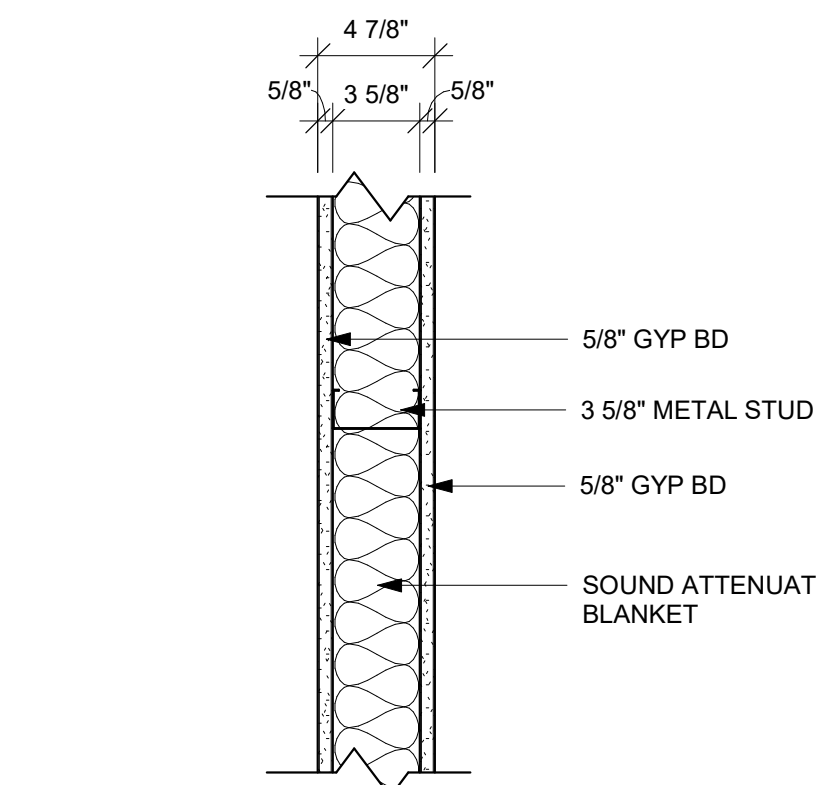
PARTITION TYPE	STUD SPACING	PARTITION WIDTH ACTUAL	PARTITION WIDTH NOMINAL	FIRE RATING	UL #	STC RATING
E3						



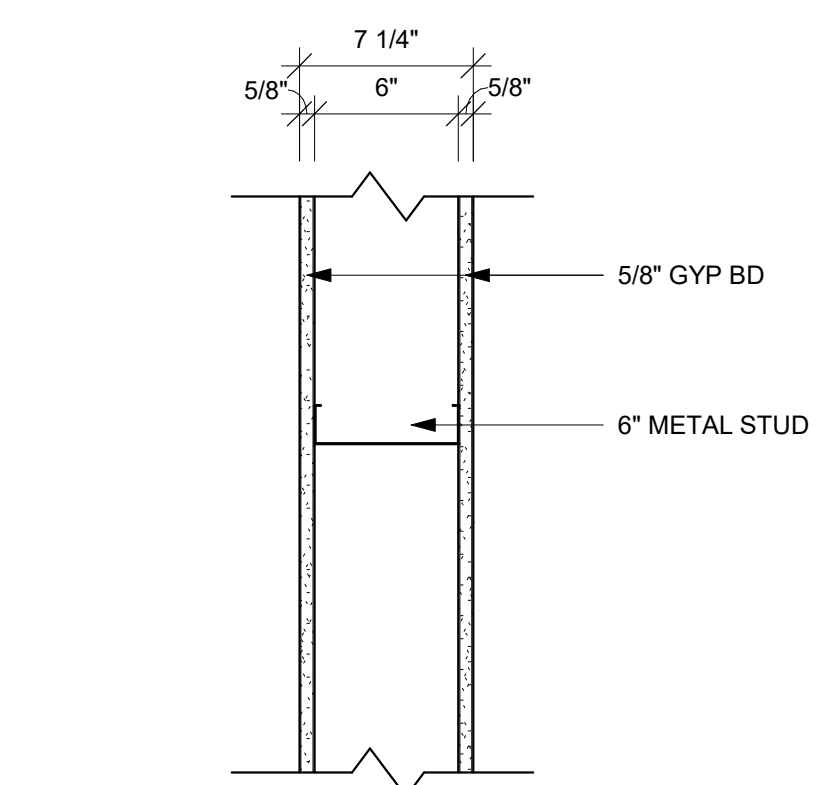
PARTITION TYPE	STUD SPACING	PARTITION WIDTH ACTUAL	PARTITION WIDTH NOMINAL	FIRE RATING	UL #	STC RATING
E4						



PARTITION TYPE	STUD SPACING	PARTITION WIDTH ACTUAL	PARTITION WIDTH NOMINAL	FIRE RATING	UL #	STC RATING
D2	16" O.C.	3 1/8"	3"	-	-	-



PARTITION TYPE	STUD SPACING	PARTITION WIDTH ACTUAL	PARTITION WIDTH NOMINAL	FIRE RATING	UL #	STC RATING
D6	16" O.C.	4 7/8"	5"	-	-	49



PARTITION TYPE	STUD SPACING	PARTITION WIDTH ACTUAL	PARTITION WIDTH NOMINAL	FIRE RATING	UL #	STC RATING
D10	16" O.C.	7 1/4"	7"	-	-	-

WALL TYPE GENERAL NOTES:

- REFER TO MASTER COLOR SCHEDULE AND INTERIOR DESIGN SHEETS FOR ADDITIONAL WALL FINISHES.
- NON RATED WALLS, INCLUDING BULKHEADS SHALL HAVE FRAMING EXTENDED TO DECK ABOVE. GYP BOARD SHALL EXTEND TO 4" ABOVE CEILING UNLESS NOTED OTHERWISE. COLUMN FURRING MAY STOP 4" ABOVE CEILING.
- EXTEND STUDS, GYP BOARD AND SOUND BLANKET TO DECK ABOVE AT SOUND CONTROL WALLS (INDICATED BY SOUND ATTENUATION BLANKETS, SOUND SEAL NOTE OR STC RATING). LEVEL OF FINISH ABOVE CEILING AS NOTED IN SECTION 02 11 16.
- AT SOUND CONTROL WALLS (INDICATED BY SOUND ATTENUATION BLANKETS, SOUND SEAL NOTE OR STC RATING) APPLY CONTINUOUS BEAD OF ACOUSTICAL SEALANT AT FLOOR/CEILING TRACK STUDS AND STUD AT WALL. APPLY CONTINUOUS BEAD OF ACOUSTICAL SEALANT AT PERIMETER OF GYP BOARD HOLDING EDGE OF GYP BOARD AWAY FROM ADJACENT STRUCTURE NO MORE THAN 3/8" SEAL. ALL ME/FP/PENETRATIONS WITH SOUND BLANKET BACKING. ACOUSTICAL SEALANT AND FIRE STOPPING AFTER INSTALLING ONE SIDE OF GYP BOARD, APPLY OVERSIZED 2" SOUND BLANKET OVER BACK SIDE OF ELECTRICAL BOXES AND SIMILAR PENETRATIONS. WHERE WALL BOXES OCCUR AT OPPOSITE SIDES, APPLY INSULATION TO BACKSIDE OF WALL BOXES. AT FIRE RATED WALLS REQUIRING SOUND CONTROL, USE PUTTY PADS FOR REQUIRED WALL RATING. REFER TO TOP OF WALL DETAILS FOR INSTALLATION OF ADDITIONAL MATERIALS AT DECK AND APPLICATION OF RATED TOP OF WALL ASSEMBLIES.
- INSTALL GYPSUM BOARD CONTROL JOINTS AT TOP OF ALL INTERIOR TOP OF DOOR JAMBS TO TOP OF GYPSUM BOARD WALLS. OTHER CONTROL JOINTS TO BE INSTALLED PER PLAN OR AT 39" O.C. MAX. REVIEW LOCATION REQUIREMENTS WITH A/E PRIOR TO START OF INSTALLATION OF GYPSUM BOARD ASSEMBLIES.



Consultant:

HSR Project Number: **21065**

Project Date: **MARCH 2022**

Drawn By: **SMG**

Key Plan:

BID SET

No.	Description	Date
AD1	Addendum #1	4/1/2022

Graphic Scale: **VARIES**

Last Update: **3/31/2022 10:58:15 AM**

E090

GENERAL NOTES : REMOVAL

- REMOVE ALL ELECTRICAL DEVICES AND ABANDON WIRING/CONDUIT BACK TO ELECTRICAL PANEL, CABINET, RACK OR TERMINATION BOARD.
- ELECTRICAL CONTRACTOR TO FIELD VERIFY WALLS AND CEILING'S AND INCLUDE ALL DEVICES FOR REMOVAL.
- MAINTAIN OPERATION OF ALL EXISTING RECEPTACLES AND DEVICES TO REMAIN. PROVIDE NEW HOMERUNS OF CONDUIT/WIRING WHERE REQUIRED.
- PROVIDE COVERPLATES AT ALL OPEN DEVICE AND JUNCTION BOXES.
- REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EQUIPMENT TO BE DISCONNECTED FOR REMOVAL.
- REMOVE EXISTING FIRE ALARM DEVICES AND SALVAGE FOR REINSTALLATION. VERIFY QUANTITIES OF EXISTING AND PROVIDE NEW DEVICES IF REQUIRED.
- DASHED LINES SPECIFIC ITEMS FOR REMOVAL.
REMOVE ALL ELECTRICAL ITEMS IN HATCHED AREAS. SOME LIGHTING AND RECEPTACLES ARE SHOWN FOR REFERENCE ONLY. INCLUDE ALL LIGHTING, RECEPTACLES AND OTHER ELECTRICAL EQUIPMENT, DEVICES NOT SHOWN.
- REMOVE EXISTING PAGING SPEAKERS AND SALVAGE FOR REINSTALLATION. VERIFY QUANTITIES OF EXISTING AND PROVIDE NEW SPEAKERS IF REQUIRED.
- IT EQUIPMENT SHALL REMAIN OPERATIONAL AND ACCESSIBLE TO WTC THROUGH ENTIRE PROJECT. PHOTOGRAPH EQUIPMENT CONDITION BEFORE DEMOLITION BEGINS. PROTECT EQUIPMENT IN TEMPORARY ENCLOSURE(S) AND WITH PLASTIC DRAPINGS.
- SALVAGE 4' LED RETROFIT TUBE LAMPS TO OWNER.
- SALVAGE LED LIGHT FIXTURES AND DIMMING CONTROLS TO OWNER.

ELECTRICAL SYMBOLS

○ LIGHTING FIXTURE - WALL BRACKET *	⊗ DISCONNECT SWITCH	AS ALARM SOUNDER
○ LIGHTING FIXTURE DOWNLIGHT - SURFACE TYPE *	⊗ MOTOR STARTER	EPS EMERGENCY PUSH BUTTON
○ LIGHTING FIXTURE DOWNLIGHT - RECESSED *	⊗ MOTOR CONNECTION	CR CARD READER
○ LIGHTING FIXTURE(S) - EMERGENCY BATTERY	⊗ EQUIPMENT CONNECTION	RX REQUEST TO EXIT
□ LIGHTING FIXTURE (2x2') - SURFACE TYPE *	⊗ PANELBOARD, TERMINAL CABINET	AR ADMIN RELEASE BUTTON
□ LIGHTING FIXTURE (2x2') - RECESSED *	2 TELEPHONE **	EL ELECTRIC LOCK
□ LIGHTING FIXTURE (2x2') - EMERGENCY BATTERY	2 (VOICE) COMBINATION VOICE/DATA OUTLET **	DC DOOR CONTACT
□ LIGHTING FIXTURE (2x4') - SURFACE TYPE *	4 COMPUTER DATA OUTLET **	LD LOCK DOWN BUTTON
□ LIGHTING FIXTURE (2x4') - RECESSED *	F FIRE ALARM MANUAL STATION	ES ELECTRIC STRIKE
□ LIGHTING FIXTURE (2x4') - EMERGENCY BATTERY	F/S FIRE ALARM SPEAKER/STROBE	J JUNCTION BOX OR PULL BOX
□ LIGHTING FIXTURE - OPEN STRIP *	S/S FIRE ALARM STROBE UNIT ONLY	TV TELEVISION OUTLET
EXIT SIGN	S SMOKE DETECTOR	
RC ROOM CONTROLLER - LIGHTING	H HEAT DETECTOR	
RZD DIMMABLE LIGHTING CONTROL RELAY	FD FIRE DOOR	
OS OCCUPANCY SENSOR *	⊗ CLOCK	
VS VACANCY SENSOR *	⊗ SPEAKER *	
DL DAYLIGHT CONTROL	⊗ VOLUME CONTROL	
SWITCH - SINGLE POLE	⊗ CALL-IN SWITCH	
3 - 3-WAY SWITCH	⊗ GROUND CONNECTION	
4 - 4-WAY SWITCH	⊗ LEG TO PANEL	
OS - WALL SWITCH OCCUPANCY SENSOR *	⊗ NOTE NUMBER (REMOVAL)	
VS - WALL SWITCH VACANCY SENSOR *	⊗ NOTE NUMBER (REMODEL)	
D - DIMMER *	EX EXISTING DEVICE	
⊕ STANDARD SINGLE RECEPTACLE *		
⊕ STANDARD DUPLEX RECEPTACLE *		
*GF GROUND FAULT INTERRUPTING		
*WP WEATHERPROOF COVER		
*WR WEATHER RESISTANT		
*USB USB CHARGING		
⊕ DOUBLE DUPLEX RECEPTACLE *		

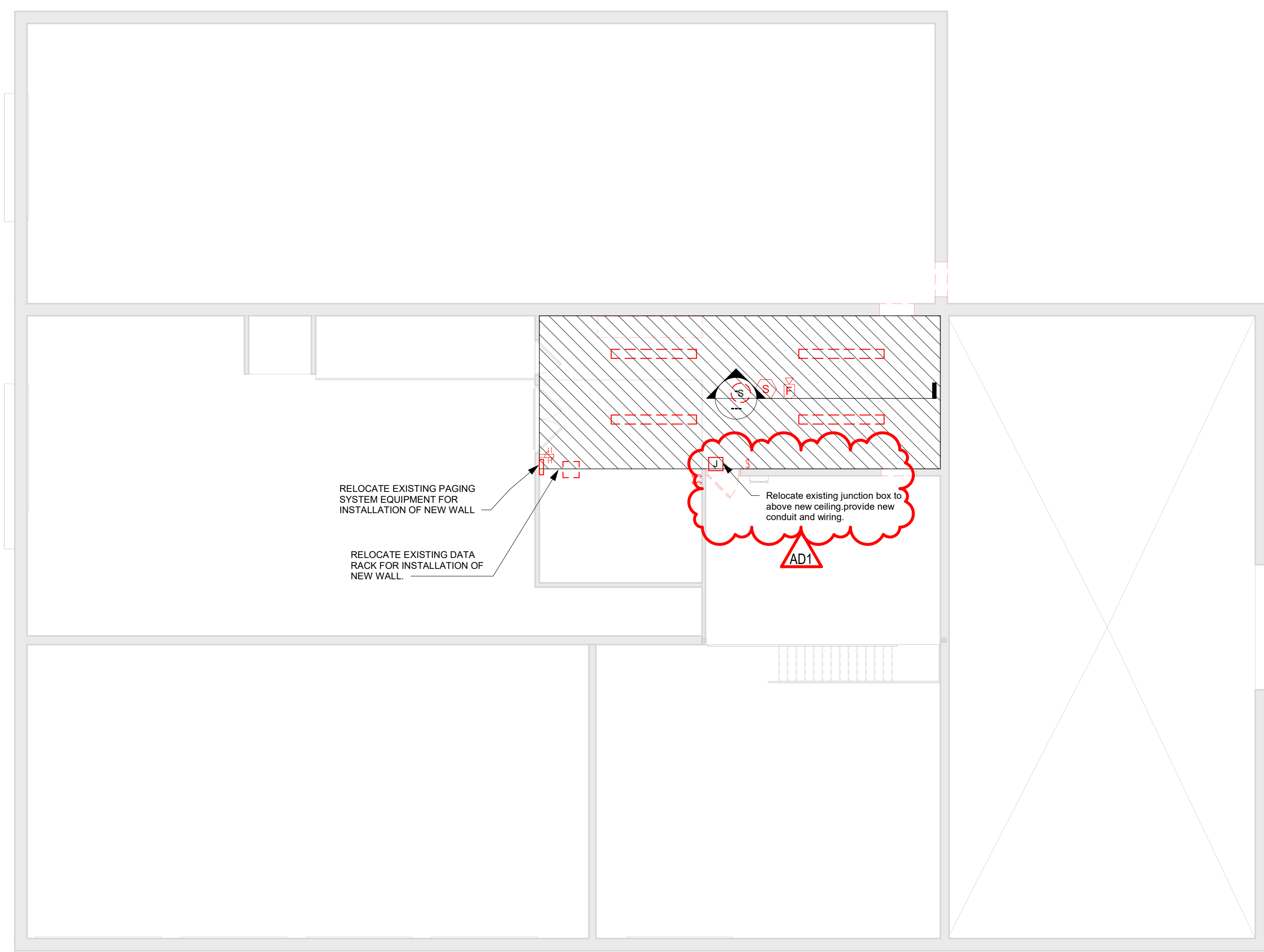
* TYPE AS INDICATED WITH LETTER/NUMBER. REFER TO SPECIFICATIONS OR SCHEDULES.
** QUANTITIES OF CABLE DROPS AS INDICATED WITH NUMBER. REFER TO DRAWINGS. HEIGHTS AND LOCATIONS AS INDICATED ON DRAWINGS.
*** NUMBER REFERS TO LOW VOLTAGE LIGHTING RELAY.



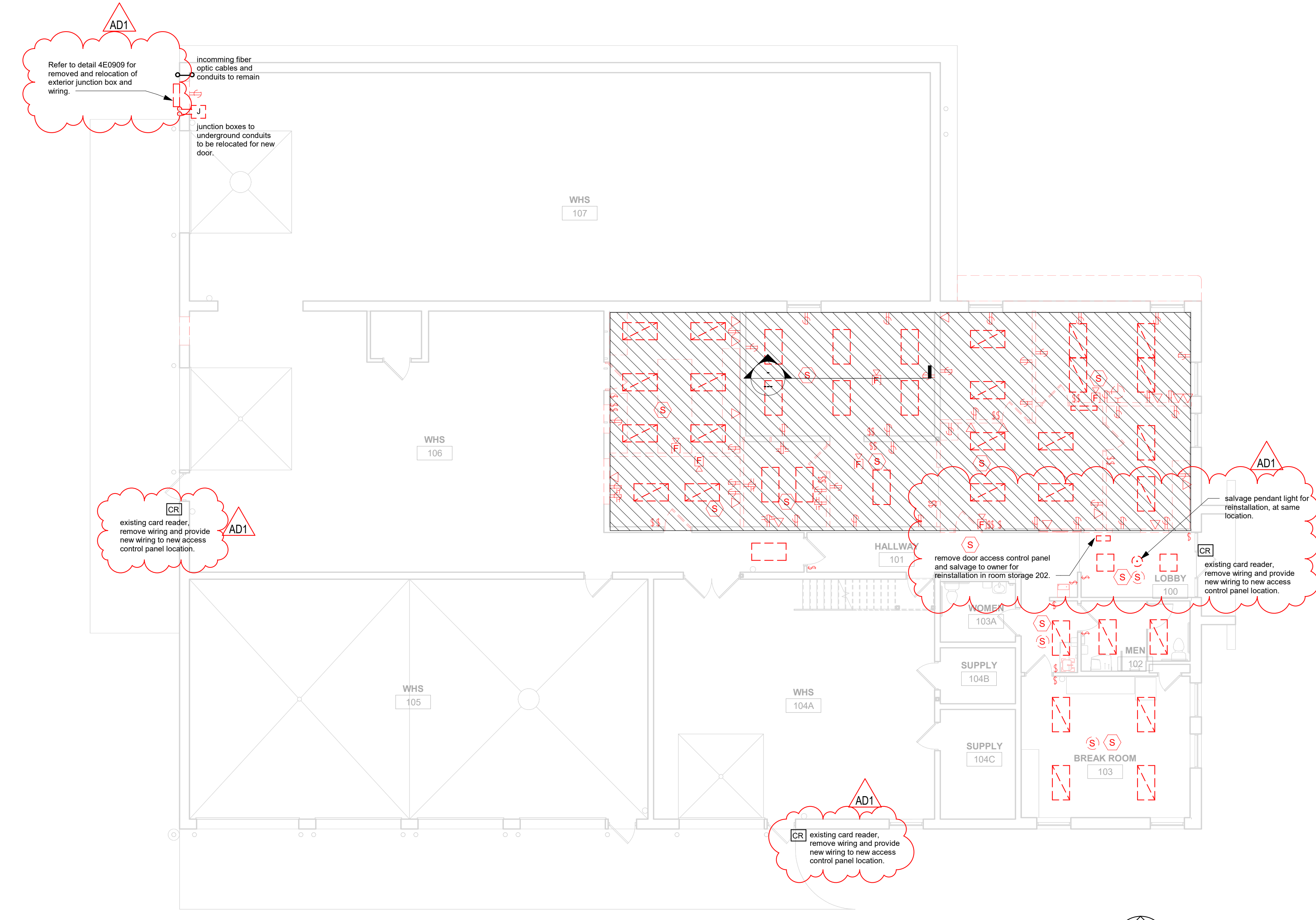
3 Paging equipment
1/8" = 1'-0"



4 Exterior Junction Box/wiring
NTS



2 SECOND FLOOR ELEC. DEMO PLAN
1/8" = 1'-0"



1 FIRST FLOOR ELEC. DEMO PLAN
1/8" = 1'-0"

The ASCO Service Entrance Power Transfer Switch combines automatic power switching with the necessary disconnecting, grounding, and bonding required for use as service entrance equipment. The power transfer switch meets all National Electrical Code requirements for service entrance use.

Product Features:

- Suitable for use as service entrance equipment.
- Sizes available from 70 - 3000 amps, 600 VAC, 60 or 60 Hz, single or three phase.
- 70 - 400 Ampere listed to UL 1008.
- 600 - 3000 Ampere listed to UL 891.
- Automatic Transfer Switch is listed to UL 1008 for total system loads.
- Silver plated copper ground and neutral bus with solderless screw type terminals.
- Ground fault trip protection provided on sizes 1000 amps and above.
- Available with solid or switched neutral.



To order an ASCO SERIES 300SE Power Transfer Switch, complete the following catalog number:

J	+	03AUS	+	B	+	3	+	0600	+	N	+	GX	+	C
Frame		Product Type		Neutral Code		Phase Poles		Ampere Continuous Rating		Voltage Code		Controller Code		Enclosure
D = 70 - 225 Amp		03AUS = Automatic		A = Solid Neutral		2		0070, 0100, 0150, 0200, 0225, 0250, 0400, 0600, 0800, 1000, 1200, 1600, 2000, 2500, 3000		A = 115 B = 120 C = 208 D = 220 E = 230 F = 240 H = 380 J = 400 K = 415 L = 440 M = 460 N = 480 P = 550 Q = 575 R = 600		G = No Optional Accessories GX = Optional Accessories		C = Type 1 (Standard) M = Type 3R Secure Double Door N = Type 4 Secure Double Door P = Type 4X Secure Double Door 304 SS Q = Type 12 Secure Double Door R = Type 3R Secure Double Door 316 SS S = Type 3R Secure Double Door 304 SS V = Type 4X Secure Double Door 316 SS

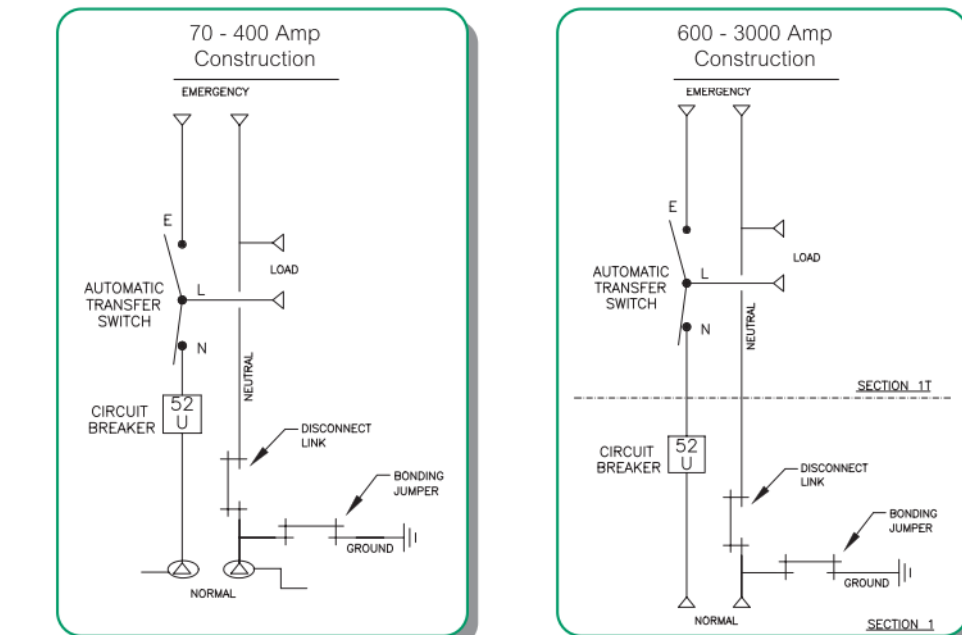
Notes: 1. 115/120 volt available 150-600 amperes for 3AUS, 3NUS only.
 2. Available for 70-1600 amperes, use type 3R for 2000-3000 ampere applications.
 3. A solid neutral is provided as standard.
 4. 200, 225 ampere rated switches suitable for use with copper cable only. Refer to paragraph 310.15 of the NEC for additional information.
 5. Type 316 stainless steel is the standard, II provides an improved reduction in corrosion of salt and some chemicals. It is the preferred choice for marine environments.
 6. Available only on switches rated 1600, 2000, 2600 and 3000 amperes.
 7. J 150-225 ampere for Series 3ADUS/3NDUS only.
 8. Available only on switches rated 70 - 1600 amperes.

GENERAL NOTES: REMODEL

- ALL ELECTRICAL DEVICES SHOWN TO BE NEW UNLESS INDICATED OTHERWISE.
- MAINTAIN OPERATION OF ALL EXISTING ELECTRICAL DEVICES. EXTEND WIRING/CONDUIT AS REQUIRED.
- PROVIDE GROUND CONDUCTOR IN ALL RACEWAYS
- PROVIDE SEPARATE NEUTRAL CONDUCTORS FOR EACH BRANCH CIRCUIT.
- EXTEND EXISTING LIGHTING BRANCH CIRCUITS TO NEW LIGHT FIXTURES, UNLESS INDICATED BY A NEW BRANCH CIRCUIT. PROVIDE NEW CONDUIT, WIRING AND HOMERUNS WHERE REQUIRED.
- ELECTRICAL CONTRACTOR EXPAND EXISTING PAGING SYSTEM. PROVIDE ALL NEW WIRING AND SPEAKERS REQUIRED.
- EXISTING DOOR ACCESS SYSTEM. ELECTRICAL CONTRACTOR TO PROVIDE RACEWAYS AND WIRING FROM DEVICE LOCATIONS TO ACCESS CONTROL PANEL. REFER TO DETAIL 3E100.
- ELECTRICAL CONTRACTOR TO PROVIDE NEW CAT. 6A CABLES TO LOCATIONS INDICATED ON DRAWINGS.
- ELECTRICAL CONTRACTOR TO EXPAND EXISTING FIRE ALARM SYSTEM.

Consultant:

ASCO Series 300SE products use two types of construction.



Products 400 amperes or less, utilize a single enclosure including a service (utility source) disconnect circuit breaker, as well as the power transfer switch, grounding and bonding provisions.

Products 600 amperes and above, utilize a multi-section switchboard construction including a service equipment section containing a service (utility source) disconnect circuit breaker, grounding, and bonding provisions. A second section contains the power transfer switch.



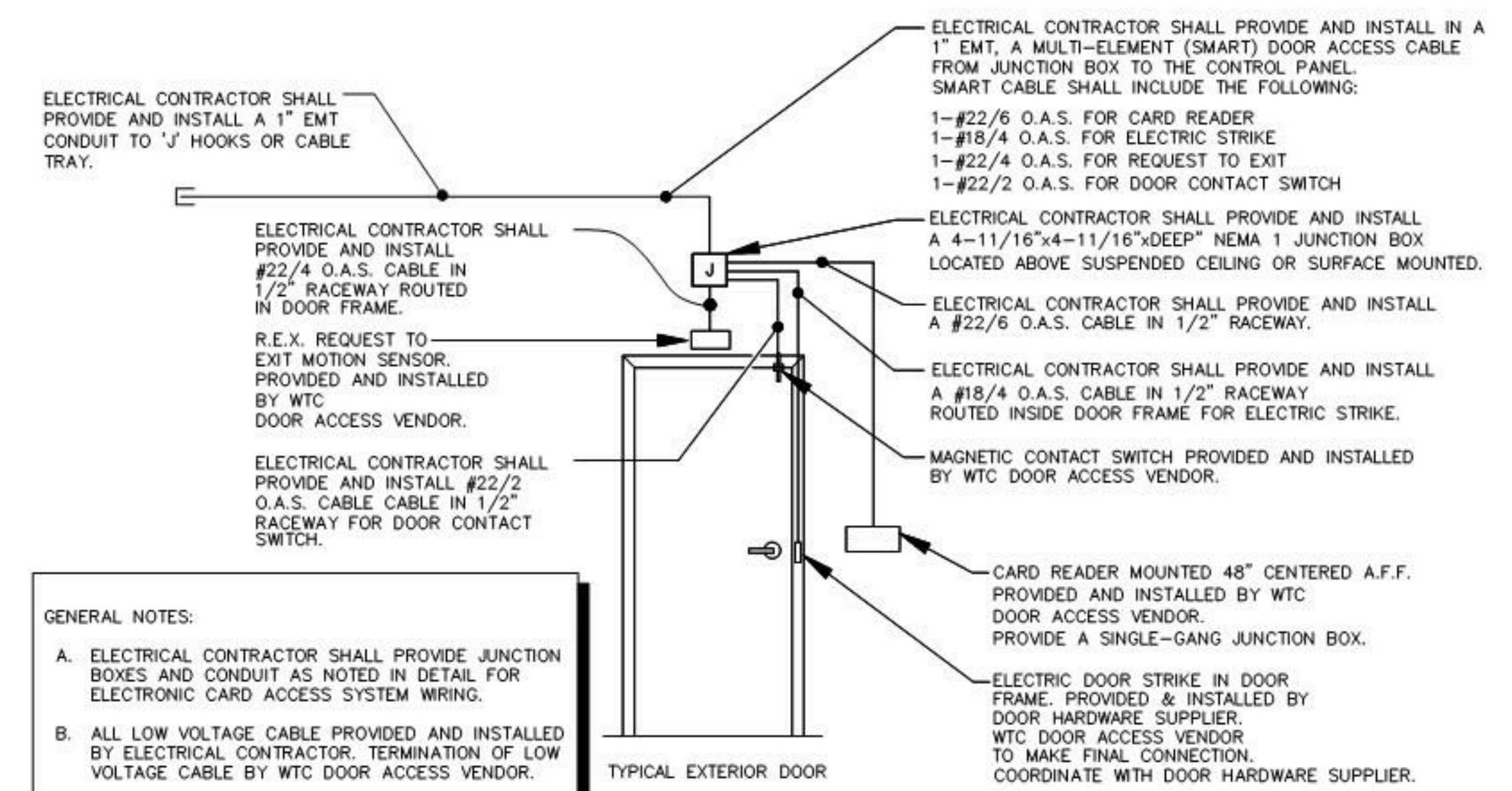
UL Type 3R Enclosure

Switch Rating Amps	Phase Poles	Neutral Code	Width	Height	Depth	Approx. Shipping Weight Lbs. (kg)
70, 100, 150, 200, 225	2	A	36 (914)	48 (1219)	16 (406)	500 (232)
	2	B	36 (914)	48 (1219)	16 (406)	520 (241)
	3	A	36 (914)	48 (1219)	16 (406)	520 (241)
150, 200, 225, Series 3ADUS/3NDUS Only	2	A	41 (1041)	95.5 (2424)	33 (838)	500 (232)
	2	B	41 (1041)	95.5 (2424)	33 (838)	520 (241)
	3	A	41 (1041)	95.5 (2424)	33 (838)	520 (241)
250, 400	2	A	41 (1041)	95.5 (2424)	33 (838)	520 (241)
	2	B	41 (1041)	95.5 (2424)	33 (838)	520 (241)
	3	A	41 (1041)	95.5 (2424)	33 (838)	520 (241)
600	2	A	41 (1041)	95.5 (2425)	33 (838)	1220 (564)
	2	B	41 (1041)	95.5 (2425)	33 (838)	1220 (564)
	3	A	41 (1041)	95.5 (2425)	33 (838)	1220 (564)
800	2	A	41 (1041)	95.5 (2425)	33 (838)	1240 (574)
	2	B	41 (1041)	95.5 (2425)	33 (838)	1520 (703)
	3	A	41 (1041)	95.5 (2425)	33 (838)	1540 (712)
1000, 1200	2	A	41 (1041)	95.5 (2425)	33 (838)	1580 (731)
	2	B	41 (1041)	95.5 (2425)	33 (838)	1580 (731)
	3	A	41 (1041)	95.5 (2425)	62 (1575)	2200 (1018)
1600, 2000	2	A	41 (1041)	95.5 (2425)	62 (1575)	1580 (731)
	2	B	41 (1041)	95.5 (2425)	62 (1575)	1580 (731)
	3	A	41 (1041)	95.5 (2425)	62 (1575)	2240 (1036)
2500, 3000	2	A	41 (1041)	95.5 (2425)	86 (2184)	3280 (1488)
	2	B	41 (1041)	95.5 (2425)	86 (2184)	3380 (1533)
	3	A	41 (1041)	95.5 (2425)	86 (2184)	3380 (1533)

SERIES 300SE AIC Breaker Rating

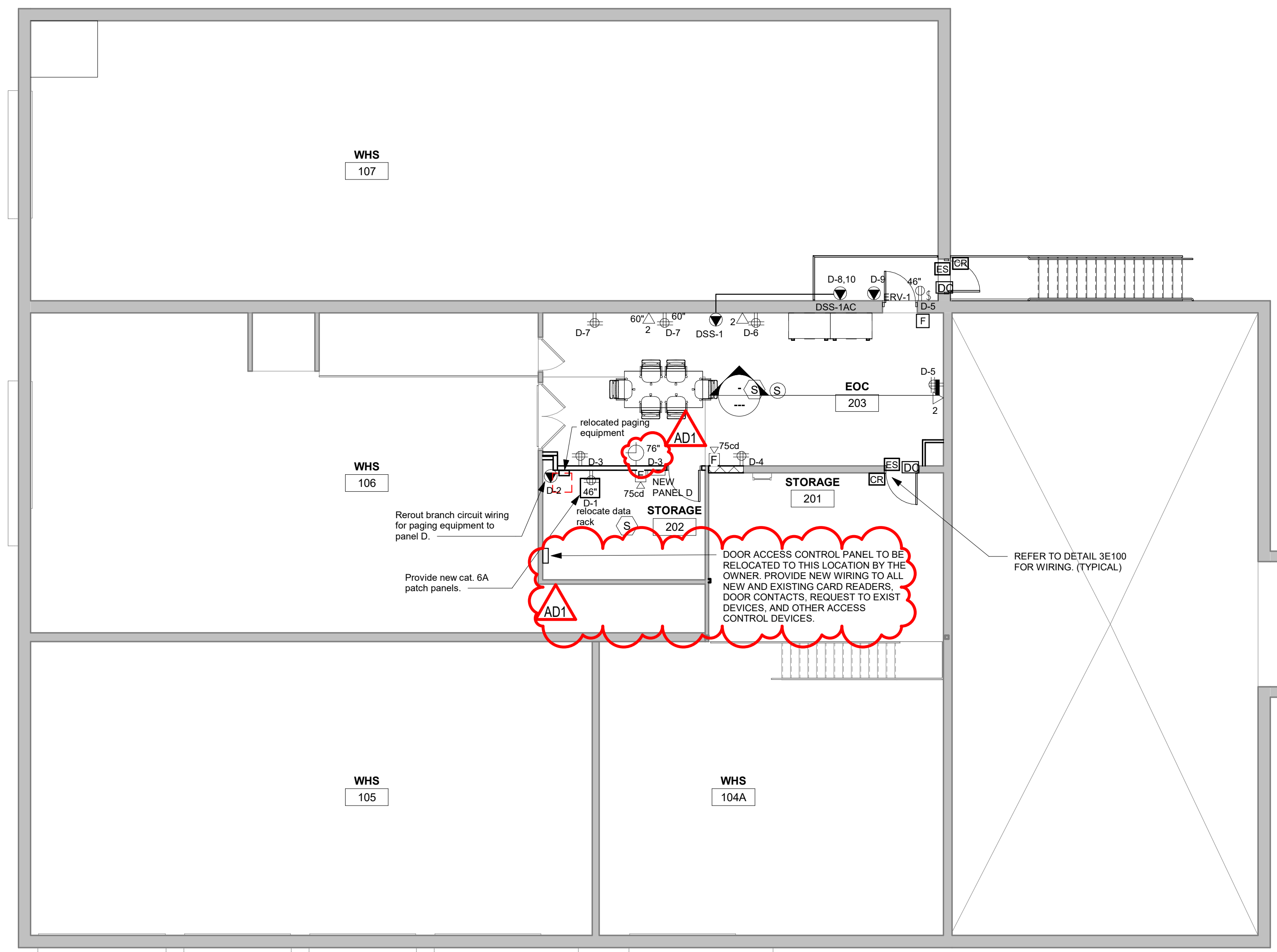
Switch Rating	AIC Rating (KA)	Voltage
70, 100, 150, 200, 225	25,000	480
150, 200, 225 Series 3ADUS/3NDUS Only	35,000	480
250, 400, 600	35,000	480
800	65,000	480
1000, 1200	50,000	480
1600, 2000	65,000	480
2500, 3000	100,000	480

Notes: 1. Refer to Series 300 Publication 1195 for switch ratings.

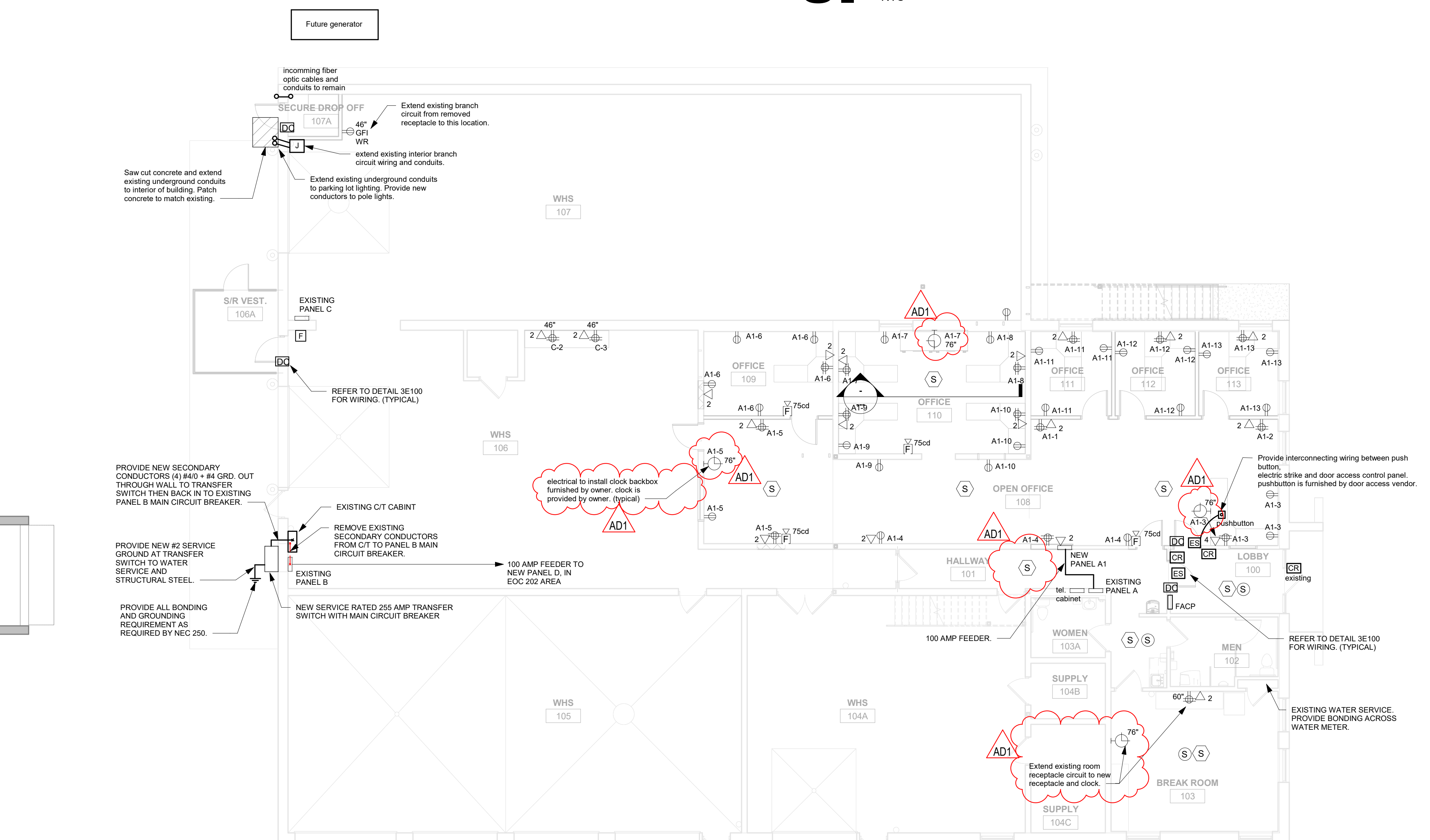


GENERAL NOTES:
 A. ELECTRICAL CONTRACTOR SHALL PROVIDE JUNCTION BOXES AND CONDUIT AS NOTED IN DETAIL FOR ELECTRONIC CARD ACCESS SYSTEM WIRING.
 B. ALL LOW VOLTAGE CABLE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR. TERMINATION OF LOW VOLTAGE CABLE BY WTC DOOR ACCESS VENDOR.

3. Door Access Control Detail



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



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

Project Number: 21065
 Project Date: MARCH 2022
 Drawn By: SMG

Key Plan:

BID SET

Revisions:

No.	Description	Date
AD1	Addendum #1	4/1/2022

Graphic Scale: VARIES
 Last Update: 3/31/2022 10:58:15 AM

LIGHT FIXTURE SCHEDULE											
TYPE	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	VOLT	MOUNTING **				WATTS	COLOR TEMP.	REMARKS
					F	S	P	O			
A	METALUX	FPX-38-L840-UNV-DIM	2'X4' LED FLAT PANEL 3800 LU	UNIV.	*				29	4000K	1
AS	METALUX	FPX-38-L840-UNV-DIM/FPXSURF24	2'X4' LED FLAT PANEL 3800 LU	UNIV.	*				29	4000K	1.2
B	METALUX	2SLSTP2040DD	2' SEALED STRIP LED	UNIV.	*				22	4000K	
HZ	KILLARK	VUXBGG-1-100PX	CEILING MOUNTED CLASS 1, DIV. 2, SEALED INDUSTRIAL	UNIV.	*				7	A19-LED	3
OA	LUMARK	XTOR2B-W-BZ-CBP	LED MINI WALL SCONCE/ BATTERY	UNIV.	*				18	4000K	4
EM	SURE-LITES	CU2-LED	EMERGENCY LIGHT	UNIV.	*				2.2	LED	5
X1H	SURE-LITES	LPXC2SSD	EXIT LIGHT / LIGHTING HEADS	UNIV.	*				2	N/A	6
X1H2	SURE-LITES	LPXC2SR3SD	EXIT LIGHT / LIGHTING HEADS AND REMOTE HEADS	UNIV.	*				2	N/A	6
RH	SURE-LITES	SMR	EXTERIOR EMERGENCY LIGHT	UNIV.	*				2-1W	LED	7

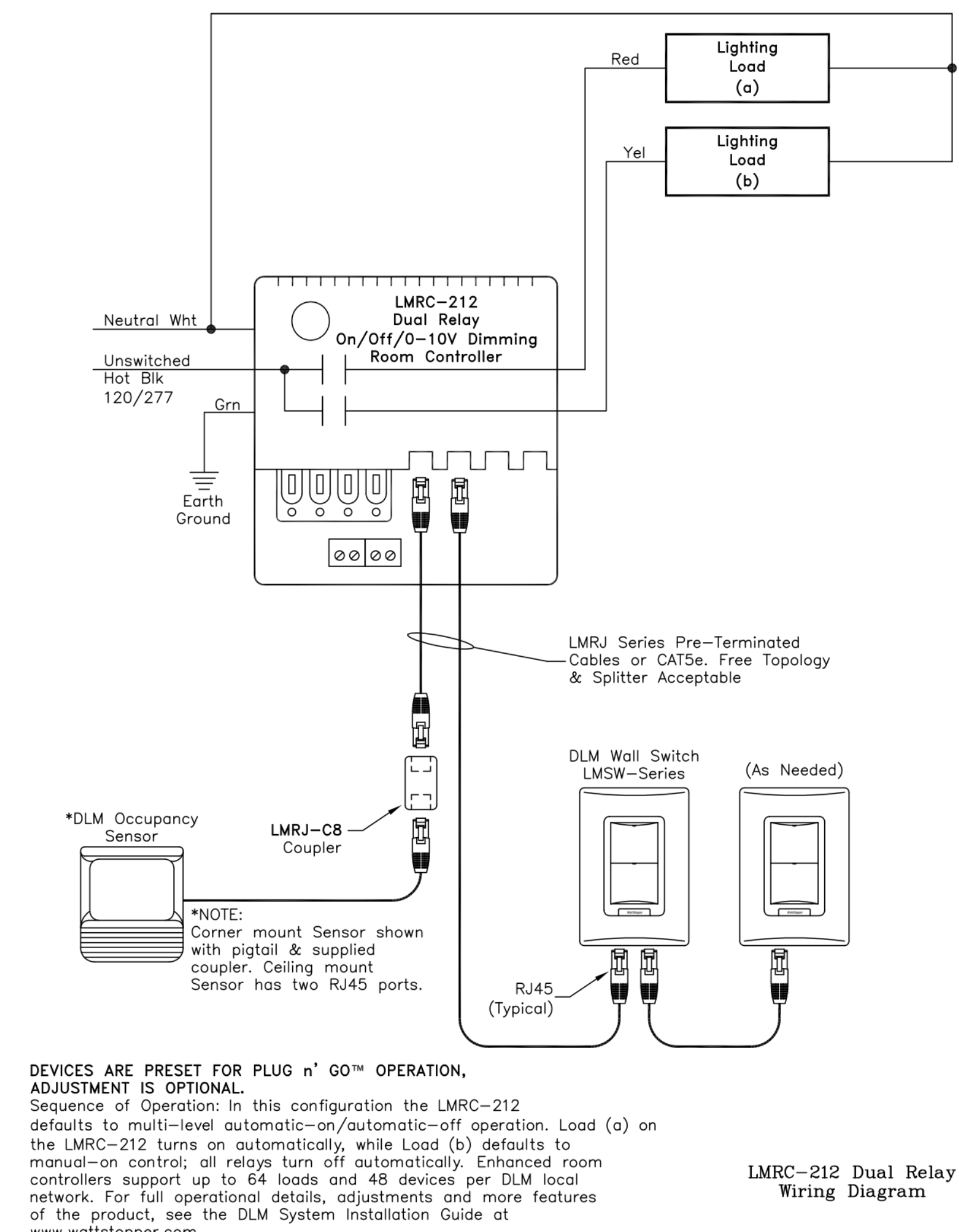
* SEE REMARKS
 ** (F) FLUSH MOUNT; (S) SURFACE MOUNT; (P) PENDANT HUNG; (O) OTHER-SEE REMARKS IN REGARDS TO FIXTURE MOUNTING.

REMARKS

- 2'X 4' LED FLAT PANEL WITH 0-10Vdc DIMMING.
- PROVIDE WITH SURFACE MOUNTING KIT/TRIM.
- CLASS 1, DIV. 2 INCANDESCENT WITH LED LAMP. EXPLOSION PROOF HUB. PROVIDE RIGID METAL CONDUIT AND CONDUIT SEAL AT WALL PENETRATION.
- WALL MOUNT LED FIXTURE. FULL CUTOFF LIGHTING. DIE CAST ALUMINUM HOUSING WITH BRONZE FINISH. COLD WEATHER EMERGENCY BATTERY. BATTERY TO BE INTEGRAL TO FIXTURE OR REMOTE MOUNTED INSIDE THE BUILDING.)
- EMERGENCY LIGHTING UNIT.
- LED EXIT LIGHT, RED LETTERS WITH WHITE HOUSING. SELF DIAGNOSTICS. PROVIDE WITH EMERGENCY BATTERY AND LIGHTING HEADS.
- REMOTE LIGHTING HEAD, INTERCONNECT TO EMERGENCY SOURCE INDICATED ON DRAWINGS.

EQUAL FIXTURES:

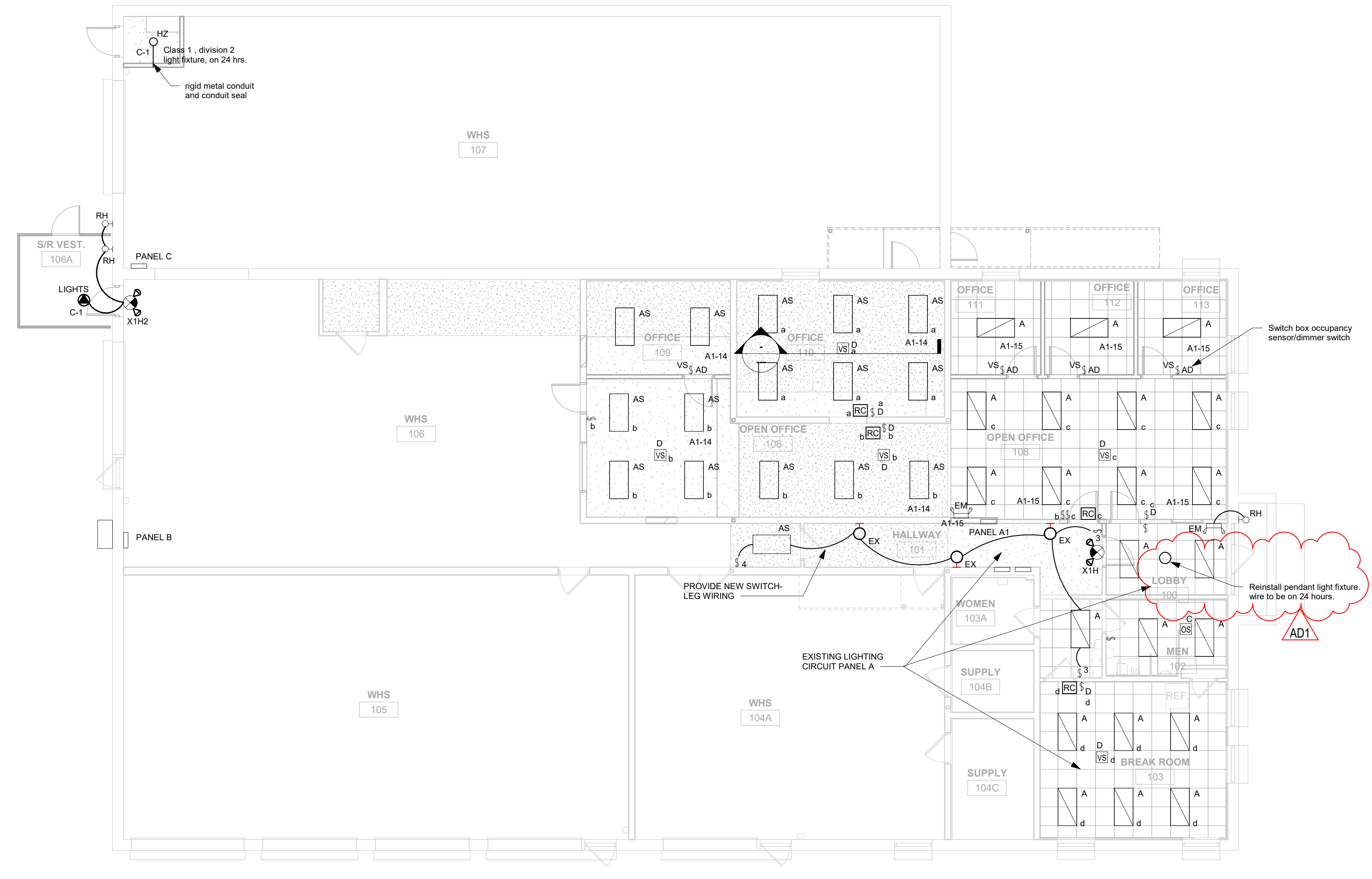
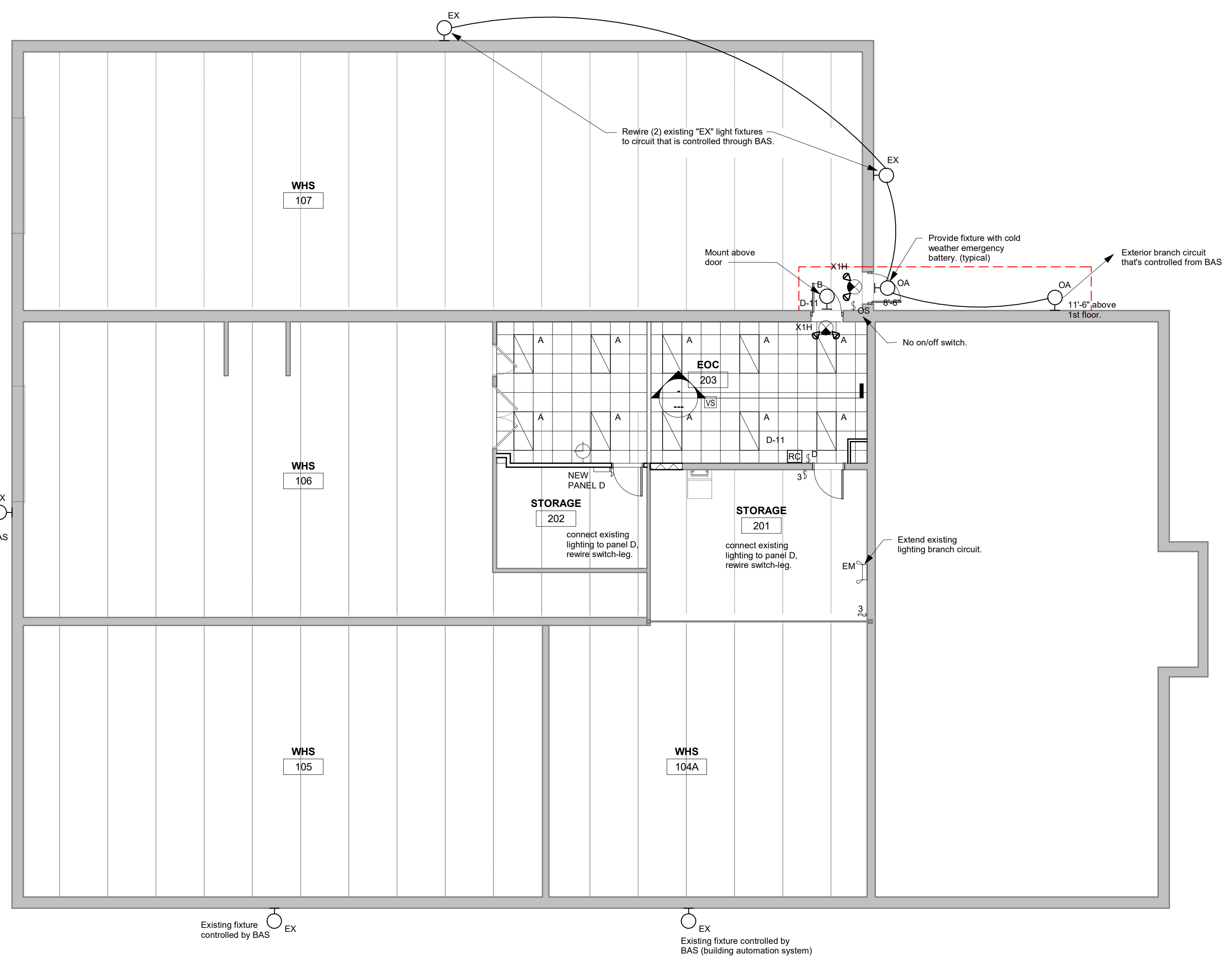
a. FIXTURES EQUAL IN ALL RESPECTS TO THE SPECIFIED FIXTURES MANUFACTURED BY COOPER LIGHTING, LITHONIA, & HUBBELL, & SHALL BE CONSIDERED AS EQUAL.



- GENERAL NOTES : REMODEL
- A ALL ELECTRICAL DEVICES SHOWN TO BE NEW UNLESS INDICATED OTHERWISE.
 - B MAINTAIN OPERATION OF ALL EXISTING ELECTRICAL DEVICES. EXTEND WIRING/CONDUIT AS REQUIRED.
 - C PROVIDE GROUND CONDUCTOR IN ALL RACEWAYS
 - D PROVIDE SEPARATE NEUTRAL CONDUCTORS FOR EACH BRANCH CIRCUIT.
 - E EXTEND EXISTING LIGHTING BRANCH CIRCUITS TO NEW LIGHT FIXTURES, UNLESS INDICATED BY A NEW BRANCH CIRCUIT. PROVIDE NEW CONDUIT, WIRING AND HOMERUNS WHERE REQUIRED.
 - F ELECTRICAL CONTRACTOR EXPAND EXISTING PAGING SYSTEM. PROVIDE ALL NEW WIRING AND SPEAKERS REQUIRED.
 - G EXISTING DOOR ACCESS SYSTEM. ELECTRICAL CONTRACTOR TO PROVIDE RACEWAYS AND WIRING FROM DEVICE LOCATIONS TO ACCESS CONTROL PANEL. REFER TO DETAIL 3E100.
 - H ELECTRICAL CONTRACTOR TO PROVIDE NEW CAT. 6A CABLES TO LOCATIONS INDICATED ON DRAWINGS.
 - I ELECTRICAL CONTRACTOR TO EXPAND EXISTING FIRE ALARM SYSTEM.

3 ROOM CONTROLLER 2 ZONE

NTS



EQUIPMENT SCHEDULE										
MARK NUMBER	DESCRIPTION	LOCATION ROOM NUMBER	RATING				WIRING SIZE		REMARKS	
			KW	HP	VOLT	PH	CONDUCTORS	GRD.		
DSS-1AC	DUCTLESS SPLIT SYSTEM - EXTERIOR	WHS 107	16 MCA		208	1	2 #12	#12	2	
DSS-1	DUCTLESS SPLIT SYSTEM - INTERIOR	ECO 203			208	1	2#12	#12	2	
EVR-1	ENERGY RECOVERY VENTILATOR	WHS 107	1.25 A		120	1	2#12	#12	1	
LIGHTS	VESTIBULE LIGHTS	S/R VEST 106A	1.25 A		120	1	2#12	#12	3	

* SEE REMARKS: MCA - MINIMUM CIRCUIT AMPACITY; FLA - FULL LOAD AMPS; MOP - MAXIMUM OVERCURRENT PROTECTION.

REMARKS

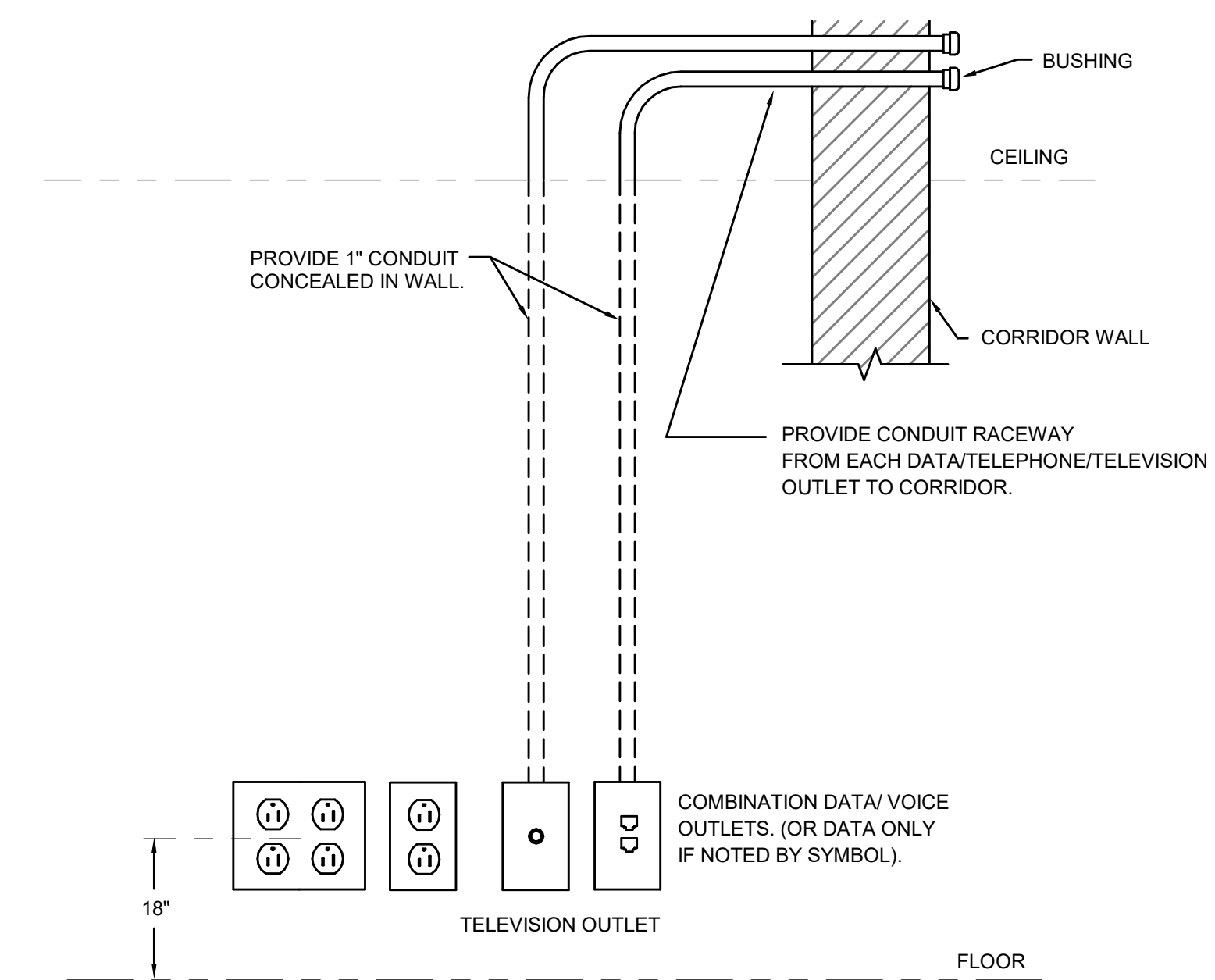
- PROVIDE TOGGLE SWITCH NEAR UNIT TO SERVE AS DISCONNECT.
- PROVIDE INTERCONNECTING WIRING BETWEEN INDOOR UNIT AND EXTERIOR CONDENSER. INCLUDE CONTROL WIRE (600 VOLT INSULATION RATING) . PROVIDE NEMA 3R FUSED SAFETY SWITCH AT EXTERIOR UNIT AND TOGGLE SWITCH AT INTERIOR UNIT FOR DISCONNECTS.
- ELECTRICAL CONTRACTOR TO INSTALL LIGHTS AND SWITCHES PROVIDED WITH VESTIBULE.

PANELBOARD SCHEDULE																		
PANEL NAME	ROOM NO.	MFG. TYPE	MOUNT'G		SIZE			MAINS					BRANCHES					REMARK NUMBER
			FLUSH	SURFACE	WIDTH	DEPTH	ELECTRICAL SERVICE	AMP	LUGS	BREAKER	SWITCH	FEED THRU LUGS	NO.	AMP.	POLE	CIRCUIT NUMBERS	SPACE	
A	HALL 101	EXISTING GE	X		20"	5.75"	208/120 VOLT 3 PH, 4 WIRE	225	X				1	100	3	FEEDS NEW PANEL A1		1
												3	20	1	REMOVE (3) CIRCUIT BREAKERS TO MAKE ROOM FOR 100/3 CIRCUIT BREAKER			
A1 (NEW)	HALL 101	SQ. D NQ	X		20"	5.75"	208/120 VOLT 3 PH, 4 WIRE	100	X			15	20	1	A1-1, 2-15	42 SPACE	2,3	
												6	20	1	SPARES			
												3	20	1	REFEED EXISTING BRANCH CIRCUITS FROM PANEL A			
B	WHS 106	EXISTING GE	X		20"	5.75"	208/120 VOLT 3 PH, 4 WIRE	225	X		X	1	100	3	FEEDS NEW PANEL D		1	
C	WHS 107	EXISTING GE	X		20"	5.75"	208/120 VOLT 3 PH, 4 WIRE	100	X			3	20	1	C-1,2,3		1	
D (NEW)	STORAGE 202	SQ. D NQ	X		20"	5.75"	208/120 VOLT 3 PH, 4 WIRE	100	X			8	20	1	D-1, 2-8,9	42 SPACE	3	
												1	20	2	D-8,10			
												6	20	1	SPARES			

* SEE REMARKS

PANELBOARD SCHEDULE REMARKS:

- PROVIDE NEW CIRCUIT BREAKERS IN EXISTING PANELBOARD.
- REFEED BRANCH CIRCUITS THAT ORIGINATED FROM PANEL A, THAT WHERE REMOVED TO ADD 100 AMP CIRCUIT BREAKER.
- MANUFACTURER: SQUARE D ONLY.



1 Details Raceways
NTS



No.	Description	Date
AD1	Addendum #1	4/1/2022