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Addendum No. 3, June 11, 2025

Re: Johnson Hall Renovation – PKG 3
Johnson Hall Renovation & Foster Demolition
Tennessee Technological University
SBC Project No. 364/011-04-2022CM

From: Upland Design Group, Inc.
P.O. Box 1026 (38557)
362 Industrial Blvd.
Crossville, TN 38555
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To: Prospective Bidders

This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated March 28, 2025, as noted below. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.

This Addendum consists of 3 page and 64 pages of attachments (67 pages total).

Clarifications

1) Paint the existing wood trim, frame and siding on the existing dormers and existing gutters to remain – typical all elevations. Paint the existing wood trim and frame on the plan east and west elevations.
2) The first ten feet of existing exterior wall plan east of Stair A (spaces 103, 203, 303, and 403) should be treated as a 1-hour rated wall. The windows in Office 157, 267, and 377 were changed to a fire-rated window in the previous addendum. Marking this portion of wall as fire rated requires any additional penetrations or modifications to maintain the fire rating of this portion of the existing wall. Coordinate with the revised attached elevations for extent of required rating.
3) The rated ceilings in Auditorium 141 have been changed to match UL detail I504's requirements. See attached revised UL sheet on Revised GN2.2 UL Pages.
4) In Stair A and Stair D where there is a hard tile finish on the stair treads, use a Schluter Trep-E profile for the nosing edge and a Schluter-Dilex-BWA at locations where the tile abuts the steel stringer and risers.
5) Doors 219 and 256 were modified in the first addendum, but the hardware type was inadvertently left off of the revised door schedule on A2.3. Doors 219 and 256 should be the revised hardware set #4 from the first addendum. Doors 219 and 256 are both the door type "P".
6) Door 144 on the door schedule on sheet A2.3 was modified in addendum #1. The hardware set should read as "2" and not "1".
7) Porcelain Tile PT3 size is 24x48.
8) There is only one color of porcelain tile for the floor in the lobby (PT). There are no accent colors. There is only one color of porcelain wall tile for the elevator shaft. There are no accent

colors. Interior elevations were corrected to show only one color and mortar joint lines were added.

Changes to Specifications:

9) Refer to section 08 81 00 Glass Glazing, section 2.2. Add glass type G that reads “3/4” insulated tinted exterior fire rated glass – FireLiteIGU for 3/4” glazing frame.”
10) Refer to section 14 21 23.16 Machine Room-Less Electric Traction Passenger Elevators section 2.1. Add Gen3 Core for 3500lbs by Otis of Farmington, CT 06032 and P24-60 Dover Elevators as approved manufacturers.

Changes to Drawings:

11) Refer to Cover Sheet 1. Revise current revision and current revision dates for sheets modified by this addendum on the Index to Drawings.
12) Refer to Cover Sheet 2. Revise current revision and current revision dates for sheets modified by this addendum on the Index to Drawings.
13) Refer to sheet D1.1 Demolition Plan – First Floor – PKG 3. Remove existing concrete block walled elevated floor at removed janitor’s room in the Existing Mec. / Elect. Room 132. Patch existing mechanical room floor as required.
14) Refer to sheets D1.3 Demolition Plan – Third Floor – PKG 3 and D2.2 Existing Elevations – Demolition – PKG 3. For the new window opening at the intersection of column line D and 12, remove existing panel and portion of the window as required to install window. Panel and wall were not removed in the previous package. Coordinate with structural drawings for lintel requirements.
15) Refer to sheet GN2.2 UL Pages. Add UL Detail I504.
16) Refer to sheets LS2.1 Life Safety Plan – 1st Floor, LS2.2 Life Safety Plan 2nd Floor, and LS2.3. Add 1 hour rating to the exterior wall for the first ten feet plan east of the new lobby addition as shown on revised sheets
17) Refer to sheets A1.1D, A1.1N, A1.2D, A1.2N, A1.3D, A1.3N, A1.21, A1.22, A1.23, A1.31, A1.32, A1.61, A3.01, A7.10, A7.20, and A7.30. Add 1-hour fire rating to the first 10 feet of the plan east side of the new lobby addition per the attached revised sheets.
18) Refer to sheets A2.3 Door Schedule – 1st and 2nd Floor, A2.4 Door Schedule – 3rd and 4th Floor, and A2.5 Window types. Change the Glass Types legend to add a glass type G which reads “3/4” insulated tinted exterior fire rated glass – Firelite IGU for 3/4” glazing frame.”
19) Refer to sheet A2.3 Door Schedule – 1st and 2nd Floor. Change the glass type of Frame Type XV to A.
20) Refer to sheet A2.3 Door Schedule. Door 144 should have hardware set #2.
21) Refer to sheet A2.3 Door Schedule. Doors 219 and 256 should be hardware set #4.
22) Refer to sheet A2.5 Window Types – Window W1R. Change the glass type for window type W1R to G.
23) Refer to sheets A3.01 Exterior Elevations and A3.02 Exterior Elevations. Add the general note “Paint the existing wood trim, frame and siding on the existing dormers and existing gutters to remain – typical all elevations” to all elevations.
24) Refer to sheets A3.02 Exterior Elevations. Repaint wood trim and frame to remain for second floor doors on the plan east and west elevations.
25) Refer to sheets A6.05 and A6.06 Interior Elevations, Large Format Tile Legend. Change legend to have tile 1 read “Large Format Wall Tile Panels – 24”x48” Field color – coordinate with finish plans.” And have tile 2 read “Not Used.” Remove references to Tile 2 from interior elevations 1/A6.05, 2/A6.05, 3/A6.05, 4/A6.05, 5/A6.06, 6/A6.06, and 7/A6.06. Add grout lines to tile 1 as shown on attached revised sheets.
26) Refer to sheet A7.10 Reflected Ceiling Plans – First Floor. Change the note at the hard ceilings in Auditorium 141 to read “Rated Ceiling per UL Detail I504”.

27) Refer to sheets M1.1, M1.2, M1.3, M2.1, M2.2, M2.3, P1.1, P1.2, P1.3, P2.1, P2.2, P2.3, FP1.1, FP1.2, FP1.3, FA1.1, FA1.2, FA1.3, E1.1, E1.2, E1.3, E2.1, E2.2, E2.3, T1.1, T1.2, T1.3, T2.1, T2.2, T2.3, T3.1, T3.2, and T3.3. Add 1-hour fire rating to the first 10 feet of the plan east side of the new lobby addition per the attached revised sheets.

END OF ADDENDUM

JOHNSON HALL RENOVATION - PKG 3 VOL 1

JOHNSON HALL RENOVATION & FOSTER DEMOLITION

SBC Nº 364/011-04-2022CM

TENNESSEE TECHNOLOGICAL UNIVERSITY COOKEVILLE, PUTNAM COUNTY, TN

JOHNSON HALL
1105 N. PEACHTREE AVE.
COOKEVILLE, TN 38501

REGULATORY REQUIREMENTS

LISTED BELOW ARE THE REGULATORY REQUIREMENTS THAT APPLY TO THIS PROJECT, REFER TO SECTION 01 41 14 REGULATORY REQUIREMENTS. THIS LIST IS PROVIDED AS A CONVENIENCE TO THE CONTRACTOR AND IS NOT TO BE CONSIDERED ALL INCLUSIVE OF CODES AND REGULATIONS THAT MAY APPLY. THE CONTRACTOR SHALL COMPLY WITH ALL PERTINENT CODES, STANDARDS, REGULATIONS AND LAWS.

(A) INTERNATIONAL BUILDING CODE (IBC), 2012 EDITION, PUBLISHED BY THE INTERNATIONAL CODE COUNCIL (ICC), EXCEPT FOR:
  1. CHAPTER 11 ACCESSIBILITY; AND,
  2. CHAPTER 34, SECTION 3411 ACCESSIBILITY FOR EXISTING BUILDINGS;
(B) THE INTERNATIONAL FUEL GAS CODE (IFGC), 2012 EDITION, PUBLISHED BY THE INTERNATIONAL CODE COUNCIL (ICC);
(C) THE INTERNATIONAL MECHANICAL CODE (IMC), 2012 EDITION, PUBLISHED BY THE INTERNATIONAL CODE COUNCIL (ICC);
(D) THE INTERNATIONAL PLUMBING CODE (IPC), 2012 EDITION, PUBLISHED BY THE INTERNATIONAL CODE COUNCIL (ICC);
(E) THE INTERNATIONAL PROPERTY MAINTENANCE CODE (IPMC), 2012 EDITION, PUBLISHED BY THE INTERNATIONAL CODE COUNCIL (ICC);
(F) THE INTERNATIONAL FIRE CODE (IFC), 2012 EDITION, PUBLISHED BY THE INTERNATIONAL CODE COUNCIL (ICC);
(G) THE INTERNATIONAL ENERGY CONSERVATION CODE (IECC), 2012 EDITION, PUBLISHED BY THE INTERNATIONAL CODE COUNCIL (ICC), EXCEPT THAT THE PROVISIONS OF THE INTERNATIONAL ENERGY CONSERVATION CODE, 2006 EDITION, SHALL APPLY TO THE FOLLOWING OCCUPANCY CLASSIFICATIONS AS DEFINED BY THE INTERNATIONAL BUILDING CODE (IBC), 2012 EDITION:
  1. MODERATE-HAZARD FACTORY INDUSTRIAL, GROUP F-1;
  2. LOW-HAZARD FACTORY INDUSTRIAL, GROUP F-2;
  3. MODERATE-HAZARD STORAGE, GROUP S-1; AND,
  4. LOW-HAZARD STORAGE, GROUP S-2;
(H) THE INTERNATIONAL EXISTING BUILDING CODE (IEBC), 2012 EDITION, PUBLISHED BY THE INTERNATIONAL CODE COUNCIL (ICC);
(I) FOR STATE BUILDINGS, EDUCATIONAL OCCUPANCIES AND ANY OTHER OCCUPANCY REQUIRING AN INSPECTION BY THE STATE FIRE MARSHAL FOR INITIAL LICENSURE, NFPA 101 LIFE SAFETY CODE, 2012 EDITION, PUBLISHED BY THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA);
(J) NO PROVISION OF THE PRECEDING CITED PUBLICATIONS SHALL BE ADOPTED THAT CONFLICTS WITH:
  1. THE INSTALLATION AND SERVICE STANDARDS OF PORTABLE FIRE EXTINGUISHERS AND FIXED FIRE EXTINGUISHER SYSTEMS IN TENN. COMP. R. & REGS. 0780-02-14-.02;
  2. THE STANDARDS FOR ENGAGING IN THE LIQUEFIED PETROLEUM GAS BUSINESS IN TENN. COMP. R. & REGS. 0780-02-17-.02.
(K) NATIONAL ELECTRIC CODE, NFPA 70, 2017 EDITION, PUBLISHED BY THE NATIONAL FIRE PROTECTION ASSOCIATION.
(L) TENNESSEE PUBLIC BUILDING ACCESSIBILITY ACT 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
(M) NFPA 13

CODE DATA

OCCUPANCY TYPE - B - BUSINESS (IBC 2012 SECTION 304.1)
A-3 - ASSEMBLY GROUP (IBC 2012 SECTION 303.4)

CONSTRUCTION TYPE - IIB SPRINKLERED (IBC TABLES 503/601)
RISK CATEGORY - III - BUILDINGS AND OTHER STRUCTURES CONTAINING ADULT EDUCATION FACILITIES, SUCH AS COLLEGES AND UNIVERSITIES, WITH AN OCCUPANT LOAD GREATER THAN 500.

ALLOWABLE BUILDING AREA (IBC 2012 TABLE 503)
BASE ALLOWABLE AREA: IIB - BUSINESS = 23,000 SQ. FT.
BASE ALLOWABLE AREA: IIB - ASSEMBLY A-3 = 9,500 SQ. FT.

MAX ALLOWABLE AREAS:
BUSINESS = 86,250 SQ. FT. (SEE FLOOR AREA PER OCCUPANCY ON LIFE SAFETY SHEETS FOR CALCULATIONS)
ASSEMBLY A-3 (LECTURE HALLS) = 35,625 SQ. FT. (SEE FLOOR AREA PER OCCUPANCY ON LIFE SAFETY SHEETS FOR CALCULATIONS)

ACTUAL AREAS:
1ST FLOOR: EXISTING 18,944 SF + NEW 2,450 SF = COVERED 1,343 SF = 22,737 SF
2ND FLOOR: EXISTING 17,080 SF + NEW 2,548 SF = COVERED 162 SF = 19,790 SF
3RD FLOOR: EXISTING 17,080 SF + NEW 2,296 SF = COVERED 162 SF = 19,538 SF
4TH FLOOR: EXISTING 14,874 SF + NEW 2,296 SF = COVERED 162 SF = 17,322 SF

TOTAL: EXISTING 67,978 SF + NEW 9,590 SF + COVERED 1,829 SF = 79,387 SF

BUSINESS OCCUPANCY TOTAL: 69,912 SF
A-3 ASSEMBLY OCCUPANCY TOTAL: 9,475 SF

CODE DATA CONTINUED

SEISMIC DATA
SITE CLASS = C
SEISMIC DESIGN CATEGORY = B
RISK CATEGORY III
SEE STRUCTURAL SHEETS FOR MORE INFORMATION

HEIGHT CALCULATIONS
MAX ALLOWABLE HEIGHT: 55' (75' INCLUDING INCREASE ALLOWED BY IBC 2012 504.2)
ACTUAL HEIGHT OF BUILDING: 59'
MAX ALLOWABLE STORIES: 3 (4 INCLUDING INCREASED ALLOWED BY IBC 2012 504.2)
ACTUAL NUMBER OF STORIES: 4

WIND EXPOSURE CATEGORY - B

WIND RISK CATEGORY - II

IECC CLIMATE ZONE - 4A IECC 2012 FIGURE C301.1

REVISIONS PER CHANGE ORDERS AND SUPPLEMENTAL INSTRUCTIONS

TYPE (CO / SI)	DATE	DESCRIPTION OF WORK
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ADDENDUM 2	5-22-25	FIRE MARSHAL COMMENTS
ADDENDUM 3	6-11-25	FIRE MARSHAL COMMENTS AND OTHER ITEMS

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FIRE RESISTANCE

FIRE RESISTANCE RATING REQUIREMENTS

IBC 2012 - TABLE 601

BUILDING ELEMENTS	TYPE II-B
PRIMARY STRUCTURAL FRAME	0
BEARING WALLS - EXTERIOR (f, g)	0
BEARING WALLS - INTERIOR	0
NON-BEARING WALLS & PARTITIONS (EXTERIOR)	0
NON-BEARING WALLS & PARTITIONS (INTERIOR)	0
FLOOR CONSTRUCTION & ASSOCIATED SECONDARY MEMBERS	0
ROOF CONSTRUCTION & ASSOCIATED SECONDARY MEMBERS	0

f. NOT LESS THAN THE FIRE-RESISTANCE RATING BASED ON FIRE SEPARATION DISTANCE (SEE TABLE 602).

g. NOT LESS THAN THE FIRE-RESISTANCE RATING AS REFERENCED IN SECTION 704.10.

IBC TABLE 602 - FIRE SEPARATION DISTANCE IS GREATER THAN 30'.

INTERIOR FINISHES

803.1.1 INTERIOR WALL AND CEILING FINISH MATERIALS
INTERIOR WALL AND CEILING FINISH MATERIALS SHALL BE CLASSIFIED IN ACCORDANCE WITH ASTM E 84 OR UL 723. SUCH INTERIOR FINISH MATERIALS SHALL BE GROUPED IN THE FOLLOWING CLASSES IN ACCORDANCE WITH THEIR FLASH SPREAD AND SMOKE-DEVELOPED INDEXES:

CLASS A: = FLAME SPREAD INDEX 0-25; SMOKE-DEVELOPED INDEX 0-450.
CLASS B: = FLAME SPREAD INDEX 26-75; SMOKE-DEVELOPED INDEX 0-450.
CLASS C: = FLAME SPREAD INDEX 76-200; SMOKE-DEVELOPED INDEX 0-450.

REQUIRED BY OCCUPANCY

GROUP A-3 (SPRINKLERED):	CLASS
INTERIOR EXIT PASSAGEWAYS:	B
CORRIDORS:	B
ROOMS AND ENCLOSED SPACES	C

GROUP B (SPRINKLERED):	CLASS
INTERIOR EXIT PASSAGEWAYS:	B
CORRIDORS:	C
ROOMS AND ENCLOSED SPACES:	C

FIRE-RATED SEPARATION NOTES:

REQUIRED SEPARATIONS BETWEEN OCCUPANCIES
REQUIRED SEPARATIONS BETWEEN OCCUPANCIES PER IBC 2012 TABLE 508.4. BETWEEN B AND A-3 (SPRINKLED) - 1 HOUR

CORRIDOR SEPARATION (WITH SPRINKLER FOR A AND B OCCUPANCIES): NO RATING (IBC TABLE 1018.1).

WINDOWS IN RATED APPLICATIONS
AUTOMATIC SPECIAL-PURPOSE SPRINKLER SYSTEM USED IN CONJUNCTION WITH FIXED GLAZED WALL ASSEMBLY TO PROVIDE AN ALTERNATIVE TO A TWO-HOUR FIRE-RESISTANCE-RATED NONLOAD-BEARING INTERIOR FIRE BARRIER ASSEMBLY PRESCRIBED IN IBC SECTION 707 PER ICC-ES EVALUATION REPORT ESR-2397. APPLICABLE FOR FIRE BARRIERS AND EXTERIOR WALL FOR UP TO 2-HOUR FIRE-RESISTANCE RATING (ICC-ES ESR-2397 3.1, 5.3).

ATRIUM SPRINKLER PROTECTION
ATRIUM SPACES SHALL BE SEPARATED FROM ADJACENT SPACES BY A 1-HOUR FIRE BARRIER CONSTRUCTED IN ACCORDANCE WITH SECTION 909. (IBC 2012 - 404.6)

A FIRE BARRIER IS NOT REQUIRED WHERE A GLASS WALL FORMING A SMOKE PARTITION IS PROVIDED. SPRINKLERS MUST BE PROVIDED ON THE ROOM SIDE ONLY IF THERE IS NO WALKWAY ON THE ATRIUM SIDE OF THE GLASS, GLASS WALLS MUST BE IN A GASKETED FRAME, AND GLASS DOORS SHALL BE SELF-CLOSING. (IBC 404.6 EXCEPTION 1, 1.1-1.3)

SMOKE CONTROL IS NOT REQUIRED FOR ATRIUMS THAT CONNECT ONLY TWO STORIES. (IBC 2012 - 404.5 EXCEPTION). THE THIRD FLOOR OF THE BUILDING IS SEALED OFF FROM THE ATRIUM. THE ATRIUM IS ONLY CONNECTING THE FIRST AND SECOND STORIES.

OPENINGS IN EXTERIOR WALLS
IBC 2012 - 705.8.2 EXCEPTION: OPENING PROTECTIVES ARE NOT REQUIRED WHERE THE BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1 AND THE EXTERIOR OPENINGS ARE PROTECTED BY A WATER CURTAIN USING AUTOMATIC SPRINKLES APPROVED FOR THAT USE.

PROJECT SUMMARY STATEMENT

EXISTING BUILDING RENOVATION OF AN EDUCATIONAL FACILITY WITH A TYPE II-B CONSTRUCTION. RENOVATION WILL UPDATE OUTDATED MECHANICAL AND ELECTRICAL AND INTERIOR ARCHITECTURAL ELEMENTS. NEW BUILDING ADDITIONS WILL BE ADDED TO INCREASE CIRCULATION AND EGRESS AND FREEUP PROGRAM SPACE IN THE BUILDING CORE. PROJECT SCOPE WILL ALSO INCLUDE MINOR LANDSCAPING AND GRADING TO ENHANCE BUILDING FRONTAGE.

RESPONDING FIRE DEPARTMENT

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W&O Construction — 150 Construction Drive, Livingston, TN 38570 — Ph. (931) 403-1000 — www.wocc.com

PROJECT
JOHNSON HALL RENOVATION - PKG 3
JOHNSON HALL RENOVATION & FOSTER DEMOLITION
SBC Nº 364/011-04-2022CM

LOCATION
COOKEVILLE, TN

OWNER
TENNESSEE TECH. UNIVERSITY

SEAL

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NO.	DESCRIPTION	DATE
4	Addendum 1 - PKG 3	5-16-25
6	Addendum 2 - PKG 3	5-22-25
7	Addendum 3 - PKG 3	6-11-25

JOB NO. 22025
ISSUE DATE 3-28-25
SHEET TITLE COVER SHEET PACKAGE 3 VOL 1
DRAWN CWD
REVIEW KAC
COVER 1

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JOHNSON HALL RENOVATION - PKG 3 VOL 2

JOHNSON HALL RENOVATION & FOSTER DEMOLITION

SBC Nº 364/011-04-2022CM

TENNESSEE TECHNOLOGICAL UNIVERSITY COOKEVILLE, PUTNAM COUNTY, TN

JOHNSON HALL
1105 N. PEACHTREE AVE.
COOKEVILLE, TN 38501

REGULATORY REQUIREMENTS

LISTED BELOW ARE THE REGULATORY REQUIREMENTS THAT APPLY TO THIS PROJECT, REFER TO SECTION 01 41 14 REGULATORY REQUIREMENTS. THIS LIST IS PROVIDED AS A CONVENIENCE TO THE CONTRACTOR AND IS NOT TO BE CONSIDERED ALL INCLUSIVE OF CODES AND REGULATIONS THAT MAY APPLY. THE CONTRACTOR SHALL COMPLY WITH ALL PERTINENT CODES, STANDARDS, REGULATIONS AND LAWS.

(A) INTERNATIONAL BUILDING CODE (IBC), 2012 EDITION, PUBLISHED BY THE INTERNATIONAL CODE COUNCIL (ICC), EXCEPT FOR:
  1. CHAPTER 11 ACCESSIBILITY; AND,
  2. CHAPTER 34, SECTION 3411 ACCESSIBILITY FOR EXISTING BUILDINGS;
(B) THE INTERNATIONAL FUEL GAS CODE (IFGC), 2012 EDITION, PUBLISHED BY THE INTERNATIONAL CODE COUNCIL (ICC);
(C) THE INTERNATIONAL MECHANICAL CODE (IMC), 2012 EDITION, PUBLISHED BY THE INTERNATIONAL CODE COUNCIL (ICC);
(D) THE INTERNATIONAL PLUMBING CODE (IPC), 2012 EDITION, PUBLISHED BY THE INTERNATIONAL CODE COUNCIL (ICC);
(E) THE INTERNATIONAL PROPERTY MAINTENANCE CODE (IPMC), 2012 EDITION, PUBLISHED BY THE INTERNATIONAL CODE COUNCIL (ICC);
(F) THE INTERNATIONAL FIRE CODE (IFC), 2012 EDITION, PUBLISHED BY THE INTERNATIONAL CODE COUNCIL (ICC);
(G) THE INTERNATIONAL ENERGY CONSERVATION CODE (IECC), 2012 EDITION, PUBLISHED BY THE INTERNATIONAL CODE COUNCIL (ICC), EXCEPT THAT THE PROVISIONS OF THE INTERNATIONAL ENERGY CONSERVATION CODE, 2006 EDITION, SHALL APPLY TO THE FOLLOWING OCCUPANCY CLASSIFICATIONS AS DEFINED BY THE INTERNATIONAL BUILDING CODE (IBC), 2012 EDITION:
  1. MODERATE-HAZARD FACTORY INDUSTRIAL, GROUP F-1;
  2. LOW-HAZARD FACTORY INDUSTRIAL, GROUP F-2;
  3. MODERATE-HAZARD STORAGE, GROUP S-1; AND,
  4. LOW-HAZARD STORAGE, GROUP S-2;
(H) THE INTERNATIONAL EXISTING BUILDING CODE (IEBC), 2012 EDITION, PUBLISHED BY THE INTERNATIONAL CODE COUNCIL (ICC);
(I) FOR STATE BUILDINGS, EDUCATIONAL OCCUPANCIES AND ANY OTHER OCCUPANCY REQUIRING AN INSPECTION BY THE STATE FIRE MARSHAL FOR INITIAL LICENSURE, NFPA 101 LIFE SAFETY CODE, 2012 EDITION, PUBLISHED BY THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA);
(J) NO PROVISION OF THE PRECEDING CITED PUBLICATIONS SHALL BE ADOPTED THAT CONFLICTS WITH:
  1. THE INSTALLATION AND SERVICE STANDARDS OF PORTABLE FIRE EXTINGUISHERS AND FIXED FIRE EXTINGUISHER SYSTEMS IN TENN. COMP. R. & REGS. 0780-02-14-.02;
  2. THE STANDARDS FOR ENGAGING IN THE LIQUEFIED PETROLEUM GAS BUSINESS IN TENN. COMP. R. & REGS. 0780-02-17-.02.
(K) NATIONAL ELECTRIC CODE, NFPA 70, 2017 EDITION, PUBLISHED BY THE NATIONAL FIRE PROTECTION ASSOCIATION.
(L) TENNESSEE PUBLIC BUILDING ACCESSIBILITY ACT 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
(M) NFPA 13

CODE DATA

OCCUPANCY TYPE - B - BUSINESS (IBC 2012 SECTION 304.1)
A-3 - ASSEMBLY GROUP (IBC 2012 SECTION 303.4)

CONSTRUCTION TYPE - IIB SPRINKLERED (IBC TABLES 503/601)
RISK CATEGORY - III - BUILDINGS AND OTHER STRUCTURES CONTAINING ADULT EDUCATION FACILITIES, SUCH AS COLLEGES AND UNIVERSITIES, WITH AN OCCUPANT LOAD GREATER THAN 500.

ALLOWABLE BUILDING AREA (IBC 2012 TABLE 503)
BASE ALLOWABLE AREA: IIB - BUSINESS = 23,000 SQ. FT.
BASE ALLOWABLE AREA: IIB - ASSEMBLY A-3 = 9,500 SQ. FT.

MAX ALLOWABLE AREAS:
BUSINESS = 86,250 SQ. FT. (SEE FLOOR AREA PER OCCUPANCY ON LIFE SAFETY SHEETS FOR CALCULATIONS)
ASSEMBLY A-3 (LECTURE HALLS) = 35,625 SQ. FT. (SEE FLOOR AREA PER OCCUPANCY ON LIFE SAFETY SHEETS FOR CALCULATIONS)

ACTUAL AREAS:
1ST FLOOR: EXISTING 18,944 SF + NEW 2,450 SF + COVERED 1,343 SF = 22,737 SF
2ND FLOOR: EXISTING 17,080 SF + NEW 2,548 SF + COVERED 162 SF = 19,790 SF
3RD FLOOR: EXISTING 17,080 SF + NEW 2,296 SF + COVERED 162 SF = 19,538 SF
4TH FLOOR: EXISTING 14,874 SF + NEW 2,296 SF + COVERED 162 SF = 17,322 SF

TOTAL: EXISTING 67,978 SF + NEW 9,590 SF + COVERED 1,829 SF = 79,387 SF

BUSINESS OCCUPANCY TOTAL: 69,912 SF
A-3 ASSEMBLY OCCUPANCY TOTAL: 9,475 SF

CODE DATA CONTINUED

SEISMIC DATA
SITE CLASS = C
SEISMIC DESIGN CATEGORY = B
RISK CATEGORY III
SEE STRUCTURAL SHEETS FOR MORE INFORMATION

HEIGHT CALCULATIONS
MAX ALLOWABLE HEIGHT: 55' (75' INCLUDING INCREASE ALLOWED BY IBC 2012 504.2)
ACTUAL HEIGHT OF BUILDING: 59'
MAX ALLOWABLE STORIES: 3 (4 INCLUDING INCREASED ALLOWED BY IBC 2012 504.2)
ACTUAL NUMBER OF STORIES: 4

WIND EXPOSURE CATEGORY - B

WIND RISK CATEGORY - II

IECC CLIMATE ZONE - 4A IECC 2012 FIGURE C301.1

REVISIONS PER CHANGE ORDERS AND SUPPLEMENTAL INSTRUCTIONS

TYPE (CO / SI)	DATE	DESCRIPTION OF WORK
4 ADDENDUM #1	5-16-25	FIRE MARSHAL COMMENTS AND MISC. ITEMS
7 ADDENDUM #3	6-11-25	FIRE MARSHAL COMMENTS AND MISC. ITEMS

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M0.2	MECHANICAL NOTES AND SCHEDULES	03-28-25		
M0.3	MECHANICAL CONTROLS	03-28-25		
M0.4	STEAM SYSTEM SCHEMATIC	03-28-25		
M0.5	MECHANICAL DETAILS	03-28-25		
M0.6	MECHANICAL DETAILS	03-28-25		
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M1.2	SECOND FLOOR MECHANICAL PLAN	03-28-25	2	6-11-25
M1.3	THIRD FLOOR MECHANICAL PLAN	03-28-25	2	6-11-25
M1.4	FOURTH FLOOR MECHANICAL PLAN	03-28-25	1	5-16-25
M1.5	MEZZANINE MECHANICAL PLAN	03-28-25	1	5-16-25
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M2.2	SECOND FLOOR MECHANICAL PIPING PLAN	03-28-25	2	6-11-25
M2.3	THIRD FLOOR MECHANICAL PIPING PLAN	03-28-25	2	6-11-25
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P0.2	PLUMBING DETAILS	03-28-25		
P0.3	PLUMBING DETAILS	03-28-25		
P1.0	BASEMENT PLUMBING PLAN	03-28-25		
P1.1	FIRST FLOOR SANITARY SEWER PLAN	03-28-25	2	6-11-25
P1.2	SECOND FLOOR SANITARY SEWER PLAN	03-28-25	2	6-11-25
P1.3	THIRD FLOOR SANITARY SEWER PLAN	03-28-25	2	6-11-25
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P1.6	SANITARY SEWER ENLARGEMENTS AND ISOMETRICS	03-28-25		
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P2.2	SECOND FLOOR DOMESTIC WATER PLAN	03-28-25	2	6-11-25
P2.3	THIRD FLOOR DOMESTIC WATER PLAN	03-28-25	2	6-11-25
P2.4	FOURTH FLOOR DOMESTIC WATER PLAN	03-28-25		
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FA1.4	FOURTH FLOOR FIRE ALARM PLAN	03-28-25	1	5-16-25
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E0.2	ELECTRICAL DETAILS	03-28-25		
E0.3	LIGHTING SCHEDULES & DETAILS	03-28-25	1	5-16-25
E0.4	LIGHTING CONTROL DETAILS	03-28-25	1	5-16-25
E1.0	ELECTRICAL SITE PLAN	03-28-25	1	5-16-25
E1.1	FIRST FLOOR POWER PLAN	03-28-25	2	6-11-25
E1.2	SECOND FLOOR POWER PLAN	03-28-25	2	6-11-25
E1.3	THIRD FLOOR POWER PLAN	03-28-25	2	6-11-25
E1.4	FOURTH FLOOR POWER PLAN	03-28-25	1	5-16-25
E1.5	MEZZANINE POWER PLAN	03-28-25	1	5-16-25
E2.1	FIRST FLOOR LIGHTING PLAN	03-28-25	2	6-11-25
E2.2	SECOND FLOOR LIGHTING PLAN	03-28-25	2	6-11-25
E2.3	THIRD FLOOR LIGHTING PLAN	03-28-25	2	6-11-25
E2.4	FOURTH FLOOR LIGHTING PLAN	03-28-25	1	5-16-25
E2.5	MEZZANINE LIGHTING PLAN	03-28-25	1	5-16-25
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E4.2	ELECTRICAL PANEL SCHEDULES	03-28-25		
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E4.4	ELECTRICAL PANEL SCHEDULES	03-28-25		
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T0.2	TECHNOLOGY DETAILS	03-28-25		
T0.3	TECHNOLOGY DETAILS	03-28-25		
T0.4	TECHNOLOGY DETAILS	03-28-25		
T1.0	TECHNOLOGY SITE PLAN	03-28-25		
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T1.3	THIRD FLOOR COMMUNICATIONS PLAN	03-28-25	2	6-11-25
T1.4	FOURTH FLOOR COMMUNICATIONS PLAN	03-28-25		
T2.1	FIRST FLOOR SECURITY PLAN	03-28-25	2	6-11-25
T2.2	SECOND FLOOR SECURITY PLAN	03-28-25	2	6-11-25
T2.3	THIRD FLOOR SECURITY PLAN	03-28-25	2	6-11-25
T2.4	FOURTH FLOOR SECURITY PLAN	03-28-25		
T3.1	FIRST FLOOR AUDIO VISUAL PLAN	03-28-25	2	6-11-25
T3.2	SECOND FLOOR AUDIO VISUAL PLAN	03-28-25	2	6-11-25
T3.3	THIRD FLOOR AUDIO VISUAL PLAN	03-28-25	2	6-11-25
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T5.1	TELECOMMUNICATIONS RISER DIAGRAM	03-28-25		
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FIRE RESISTANCE

FIRE RESISTANCE RATING REQUIREMENTS

IBC 2012 - TABLE 601

BUILDING ELEMENTS	TYPE II-B
PRIMARY STRUCTURAL FRAME	0
BEARING WALLS - EXTERIOR (f, g)	0
BEARING WALLS - INTERIOR	0
NON-BEARING WALLS & PARTITIONS (EXTERIOR)	0
NON-BEARING WALLS & PARTITIONS (INTERIOR)	0
FLOOR CONSTRUCTION & ASSOCIATED SECONDARY MEMBERS	0
ROOF CONSTRUCTION & ASSOCIATED SECONDARY MEMBERS	0

f. NOT LESS THAN THE FIRE-RESISTANCE RATING BASED ON FIRE SEPARATION DISTANCE (SEE TABLE 602).

g. NOT LESS THAN THE FIRE-RESISTANCE RATING AS REFERENCED IN SECTION 704.10.

IBC TABLE 602 - FIRE SEPARATION DISTANCE IS GREATER THAN 30'.

INTERIOR FINISHES

803.1.1 INTERIOR WALL AND CEILING FINISH MATERIALS
INTERIOR WALL AND CEILING FINISH MATERIALS SHALL BE CLASSIFIED IN ACCORDANCE WITH ASTM E 84 OR UL 723. SUCH INTERIOR FINISH MATERIALS SHALL BE GROUPED IN THE FOLLOWING CLASSES IN ACCORDANCE WITH THEIR FLASH SPREAD AND SMOKE-DEVELOPED INDEXES:

CLASS A: = FLAME SPREAD INDEX 0-25; SMOKE-DEVELOPED INDEX 0-450.
CLASS B: = FLAME SPREAD INDEX 26-75; SMOKE-DEVELOPED INDEX 0-450.
CLASS C: = FLAME SPREAD INDEX 76-200; SMOKE-DEVELOPED INDEX 0-450.

REQUIRED BY OCCUPANCY

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CORRIDORS:	B
ROOMS AND ENCLOSED SPACES	C

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DAVID SCOTT NICHOLSON REGISTERED ENGINEER 3-28-25
KIM ALLEN CHAMBERLAIN REGISTERED ARCHITECT 3/28/25
NARASIMHA RAO YARLAGADDA REGISTERED ENGINEER 03/28/2025
JUSTIN BLAKE NEWELL REGISTERED ENGINEER 03/28/2025
JUSTIN BLAKE NEWELL REGISTERED ENGINEER 03/28/2025
GARY DALE LOFTIS REGISTERED ENGINEER 03/28/2025

KIM ALLEN CHAMBERLAIN REGISTERED ARCHITECT 5/16/25

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W&O Construction
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Ph.: (931) 403-1000 www.wocc.com

PROJECT
JOHNSON HALL RENOVATION - PKG 3
JOHNSON HALL RENOVATION & FOSTER DEMOLITION
SBC Nº 364/011-04-2022CM
OWNER: TENNESSEE TECH. UNIVERSITY
LOCATION: COOKEVILLE, TN

SEAL

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NO.	DESCRIPTION	DATE
4	Addendum 1 - PKG 3	5-16-25
7	Addendum 3 - PKG 3	6-11-25

JOB NO. 22025
ISSUE DATE 3-28-25
SHEET TITLE: COVER SHEET PACKAGE 3 VOL 2
DRAWN CWD
REVIEW KAC
COVER 2

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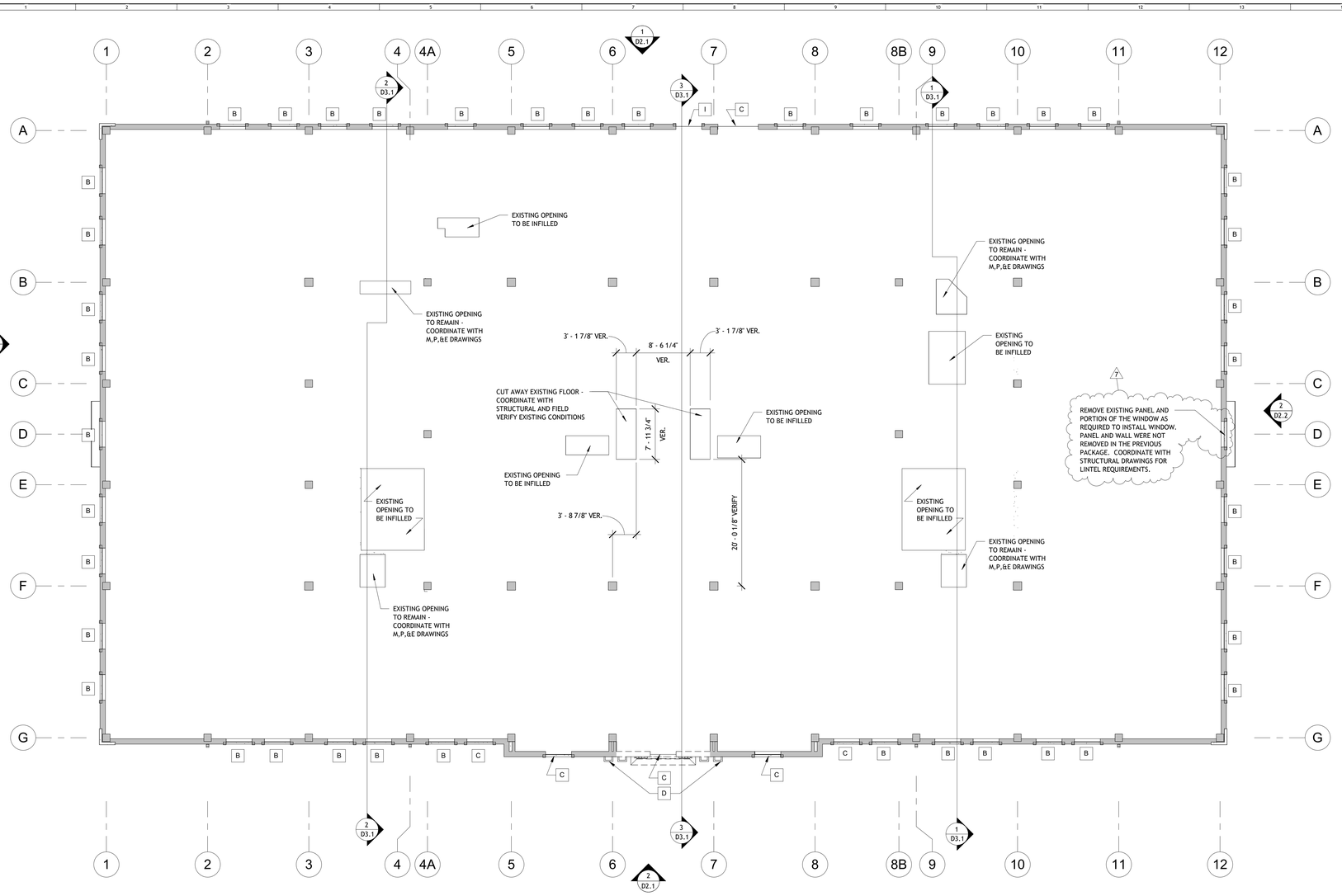

THIRD FLOOR DEMOLITION PLAN

1/8" = 1'-0" 0 1'-2" 4' 8' PLAN NORTH TRUE NORTH

DEMOLITION KEY NOTES - PLANS - PACKAGE 3

KEYNOTES SHOWN ARE NOT PARTICULAR TO THIS FLOOR PLAN. REFER TO DEMOLITION PLAN FOR SCOPE ITEMS.

A. REMOVE & DISPOSE EXISTING CONCRETE STEPS & RELATED STRUCTURE IN THEIR ENTIRETY. DISPOSE OF RELATED PLANTERS, STOOPS, HANDRAILS / GUARDRAILS, PLANTERS, RELATED LANDSCAPING, & EXTERIOR LIGHT FIXTURES, SITE FURNISHINGS, AND ELECTRICAL ICE MELTING SYSTEM. CONTACT OWNER'S REP ABOUT REUSE OF ANY ITEMS. IF OWNER DOES NOT WANT EXISTING ITEMS, CONTRACTOR TO DISPOSE OF PROPERLY.

B. EXISTING METAL FRAMED WINDOW & ASSOCIATED GLAZING, HARDWARE, SEALANT AND RELATED JAMB TRIM REMOVED IN PACKAGE 2. PREP ROUGH OPENING FOR NEW WINDOW. COORDINATE WITH PROPOSED WORK AND EXISTING CONDITIONS.

C. EXISTING WINDOW, WINDOW FRAME, GLAZING, WINDOW TRIMS, HARDWARE, PRE-CAST STONE HEADS, SILLS, JAMBS, AND WINDOW PANELING REMOVED IN PACKAGE 2. PREP ROUGH OPENING TO RECEIVE NEW WINDOWS. COORDINATE WITH PROPOSED WORK AND EXISTING CONDITIONS.

D. REMOVE EXISTING PILASTER(S) AND ANY FRAMING AND BLOCKING BEHIND THEM.

E. REMOVE EXISTING EXTERIOR LIGHT FIXTURES. COORDINATE DISPOSAL WITH OWNER'S REPRESENTATIVE FOR RE-USE.

F. DEMO PORTION OF EXISTING WALL TO ALLOW FOR NEW OPENING. PROVIDE TEMPORARY SUPPORT UNTIL NEW HEADER CAN BE INSTALLED. COORDINATE WITH STRUCTURAL DRAWINGS FOR HEADER SUPPORTS.

G. EXISTING TIERED CONCRETE SUBFLOOR, RAMP, RISERS, AND STAIRS TO REMAIN.

H. EXISTING STAIR / RAMP AND ASSOCIATED HANDRAILS TO REMAIN.

I. EXISTING PRECAST STONE WINDOW TRIM TO REMAIN AT JAMB, AND HEAD OF EXISTING WINDOWS. SELECT DEMOLITION IN PACKAGE 2 OF WINDOW PANEL TO ALLOW FOR NEW DOOR. COORDINATE WITH PROPOSED DRAWINGS. PREP ROUGH OPENING TO RECEIVE NEW DOOR FRAME PER RENOVATION DETAILS.

J. EXISTING TIERED FLOOR AND STAIRS TO REMAIN. COORDINATE WITH ELECTRICAL AND RENOVATION DRAWINGS. PROTECT AS REQUIRED DURING ADJACENT DEMOLITION AND CONSTRUCTION.

K. REMOVE EXISTING GABLE END & HIPPED ROOF AND ALL ASSOCIATED CORNICE(S) AND ARCHED ENTRY PEDIMENT, ROOF STRUCTURE, AND ROOF GUTTERS BACK TO MAIN BRANCH.

L. REMOVE EXISTING DORMER AND DORMER WINDOW IN IT'S ENTIRETY. PROVIDE TEMPORARY ENCLOSURE UNTIL ROOF CAN BE PATCHED. COORDINATE WITH NEW WORK DRAWINGS.

M. EXISTING ROOF, ROOF DOWNSPOUTS, ROOF DRAINS, GUTTERS, AND ROOF MOUNTED EQUIPMENT TO REMAIN; PROTECT AND PRESERVE FOR THE DURATION OF CONSTRUCTION.

N. EXISTING ATTIC MEZZANINE TO REMAIN. COORDINATE WITH MECHANICAL, PLUMBING, AND ELECTRICAL FOR DEMOLITION OF MECHANICAL AND ELECTRICAL EQUIPMENT ON THAT MEZZANINE.

O. EXISTING ROOF, SHEATHING, UNDERLAYMENT AND RELATED FLASHING TO BE REMOVED. REMOVE ROOF JOISTS SHOWN DASHED IN PREPARATION FOR NEW PROGRAM SPACE ON FOURTH FLOOR. COORDINATE WITH STRUCTURAL.

4 P. <NOT USED>

Q. PREP FLOOR ADJACENT TO INTERIOR RAMP REMOVED IN PACKAGE 2. COORDINATE WITH RENOVATION DRAWINGS AND STRUCTURAL FOR SLAB TRANSITION DETAILS.

R. REMOVE TOP TIER RISER . COORDINATE WITH RENOVATION DRAWINGS FOR NEW FLOOR AND FINISHES. FIELD VERIFY DIMENSIONS AND CONSTRUCTION.

S. REMOVE EXISTING DOOR AND FRAME, PREP OPENING TO RECEIVE NEW DOOR AND FRAME. PROVIDE TEMPORARY SUPPORT UNTIL NEW HEADER CAN BE INSTALLED.

T. REMOVE PORTION OF EXISTING CONCRETE SLAB AS REQUIRED TO PORT NEW CONCRETE WALL PORTION SUPPORTING NEW SPRINKLER RISER ROOM FLOOR. COORDINATE WITH STRUCTURAL AND RENOVATION DRAWINGS.

U. REMOVE EXISTING RAILING SYSTEM. PREP EXISTING STAIRS TO RECEIVE GUARDRAIL REUSING EXISTING POST HOLES. ENLARGE HOLES AS REQUIRED.

DEMOLITION GENERAL NOTES - PACKAGE 3

1. FIELD VERIFY EXISTING CONDITIONS, MEASUREMENTS, AND LAYOUTS. CONTACT ARCHITECT IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND.
2. COORDINATE DEMOLITION WORK WITH EXTENT OF NEW RENOVATION WORK ON ARCHITECTURAL, FIRE PROTECTION, MECHANICAL, PLUMBING AND ELECTRICAL SHEETS. FIELD VERIFY ABOVE CEILING CONNECTIONS AND COORDINATE WITH NEW HEIGHT AND PLACEMENT OF CEILING GRID, NEW AND EXISTING LIGHT LOCATIONS AND SPRINKLER PIPING. CONTRACTOR TO PROVIDE NEW FINISH TO AREAS TO REMAIN EXPOSED, DAMAGED BY CEILING WORK, ELECTRICAL, MECHANICAL, PLUMBING AND SPRINKLER INSTALLATION AND OTHER WORK ASSOCIATED WITH THE PROJECT.
3. COORDINATE WITH PACKAGE 2 FOR DEMOLITION AND ABATEMENT.
4. MAINTAIN EXISTING ROOF WARRANTIES OF PORTIONS OF ROOF TO REMAIN WHEN DEMOLISHING ADJACENT PORTIONS ASSOCIATED WITH THE NEW ADDITIONS.
5. COORDINATE WITH CIVIL DRAWINGS FOR MORE INFORMATION ON DEMOLITION AND REWORK OF EXISTING GRADING, SIDEWALKS, PARKING, ROADS AND SITE UTILITIES.
6. COORDINATE WITH STRUCTURAL, MECHANICAL, PLUMBING, FIRE PROTECTION, AND ELECTRICAL FOR ADDITIONAL DEMOLITION NOTES AND REQUIREMENTS.

DEMOLITION WALL LEGEND

VARIES — EXISTING WALLS TO REMAIN. FIELD VERIFY EXISTING CONDITION, THICKNESS AND MATERIAL. PROTECT FROM DEMOLITION WORK. COORDINATE WITH ABATEMENT SPECIFICATIONS FOR ANY DEMOLITION OR REMEDIATION OF FINISHES ON EXISTING WALL TO REMAIN.

VARIES — REMOVE EXISTING WALL. FIELD VERIFY EXISTING CONDITION, THICKNESS AND MATERIAL. PROVIDE CLEAN STRAIGHT EDGE AT INTERSECTION OF WALLS AND FLOOR SLABS TO REMAIN. PROTECT EXISTING FLOORS AND WALLS TO REMAIN FROM DEMOLITION WORK.

REMOVE EXISTING DOOR. TURN ANY REMAINING EXISTING HARDWARE OVER TO OWNER. COORDINATE ANY DOORS NOT REUSED TO BE TURNED OVER TO OWNER. IF THE OWNER DOES NOT WANT HARDWARE, DOORS, AND/OR FRAMES, CONTRACTOR TO DISPOSE OF DOORS AND FRAMES.

EXISTING DOOR TO REMAIN. FIELD VERIFY SIZE AND LOCATIONS. VERIFY IN FIELD GOOD WORKING ORDER. IF EXISTING DOOR IS NOT IN GOOD WORKING ORDER, COORDINATE WITH DESIGNER IMMEDIATELY.

4 KIM ALLEN CHAMBERLAIN REGISTERED ARCHITECT AGRICULTURE ARCHITECTURE ENGINEERING INC. 1917 STATE OF TENNESSEE 5/16/25

7 KIM ALLEN CHAMBERLAIN REGISTERED ARCHITECT AGRICULTURE ARCHITECTURE ENGINEERING INC. 1917 STATE OF TENNESSEE 6/11/25

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PROJECT
JOHNSON HALL RENOVATION - PKG 3
JOHNSON HALL RENOVATION & FOSTER DEMOLITION
SBC Nº 364/011-04-2022CM

LOCATION
COOKEVILLE, TN

OWNER
TENNESSEE TECH. UNIVERSITY

SEAL
KIM ALLEN CHAMBERLAIN REGISTERED ARCHITECT AGRICULTURE ARCHITECTURE ENGINEERING INC. 1917 STATE OF TENNESSEE 3/28/25

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SHEET TITLE
DEMOLITION PLAN - THIRD FLOOR - PKG 3

DRAWN CWD

REVIEW KAC

D1.3

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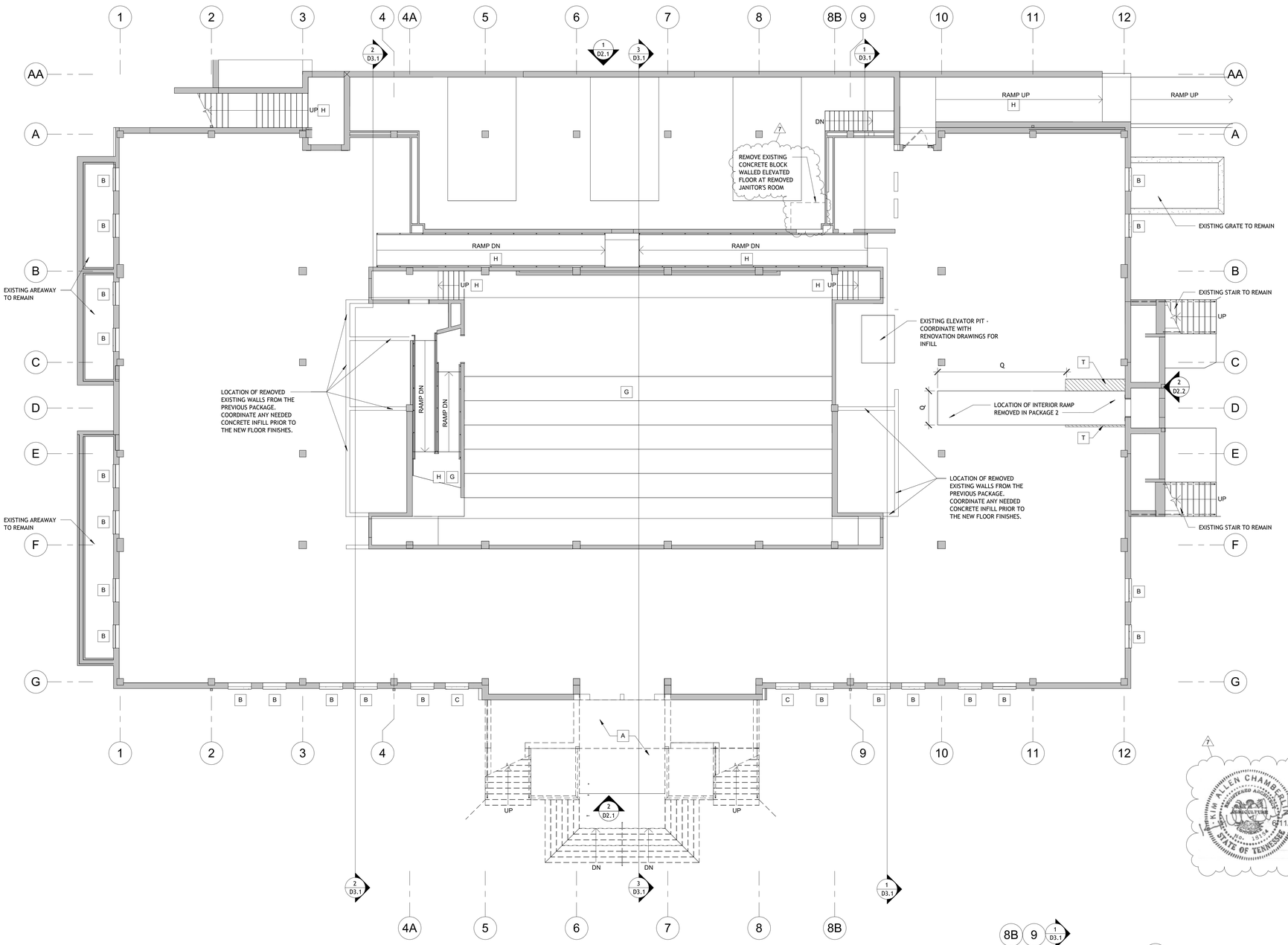
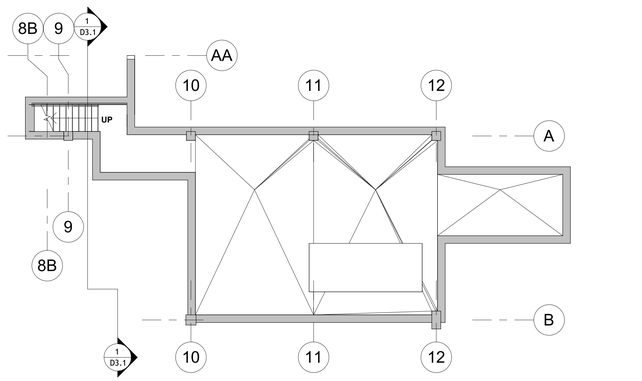


FIRST FLOOR DEMOLITION PLAN

1/8" = 1'-0"

PLAN NORTH TRUE NORTH



CHILLER ROOM DEMOLITION PLAN

1/8" = 1'-0"

DEMOLITION KEY NOTES - PLANS - PACKAGE 3

KEYNOTES SHOWN ARE NOT PARTICULAR TO THIS FLOOR PLAN. REFER TO DEMOLITION PLAN FOR SCOPE ITEMS.

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C. EXISTING WINDOW, WINDOW FRAME, GLAZING, WINDOW TRIMS, HARDWARE, PRE-CAST STONE HEADS, SILLS, JAMBS, AND WINDOW PANELING REMOVED IN PACKAGE 2. PREP ROUGH OPENING TO RECEIVE NEW WINDOWS. COORDINATE WITH PROPOSED WORK AND EXISTING CONDITIONS.

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P. <NOT USED>

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DEMOLITION GENERAL NOTES - PACKAGE 3

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DEMOLITION WALL LEGEND

VARIES — EXISTING WALLS TO REMAIN. FIELD VERIFY EXISTING CONDITION, THICKNESS AND MATERIAL. PROTECT FROM DEMOLITION WORK. COORDINATE WITH ABATEMENT SPECIFICATIONS FOR ANY DEMOLITION OR REMEDIATION OF FINISHES ON EXISTING WALL TO REMAIN.

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SBC Nº 364/011-04-2022CM

LOCATION
COOKEVILLE, TN

OWNER
TENNESSEE TECH. UNIVERSITY

SEAL
KIM ALLEN CHAMBERLAIN — REGISTERED ARCHITECT — AGRICULTURE — No. 18514 — STATE OF TENNESSEE
3-28-25

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SHEET TITLE
DEMOLITION PLAN - FIRST FLOOR - PKG 3

DRAWN CWD

REVIEW KAC

D1.1

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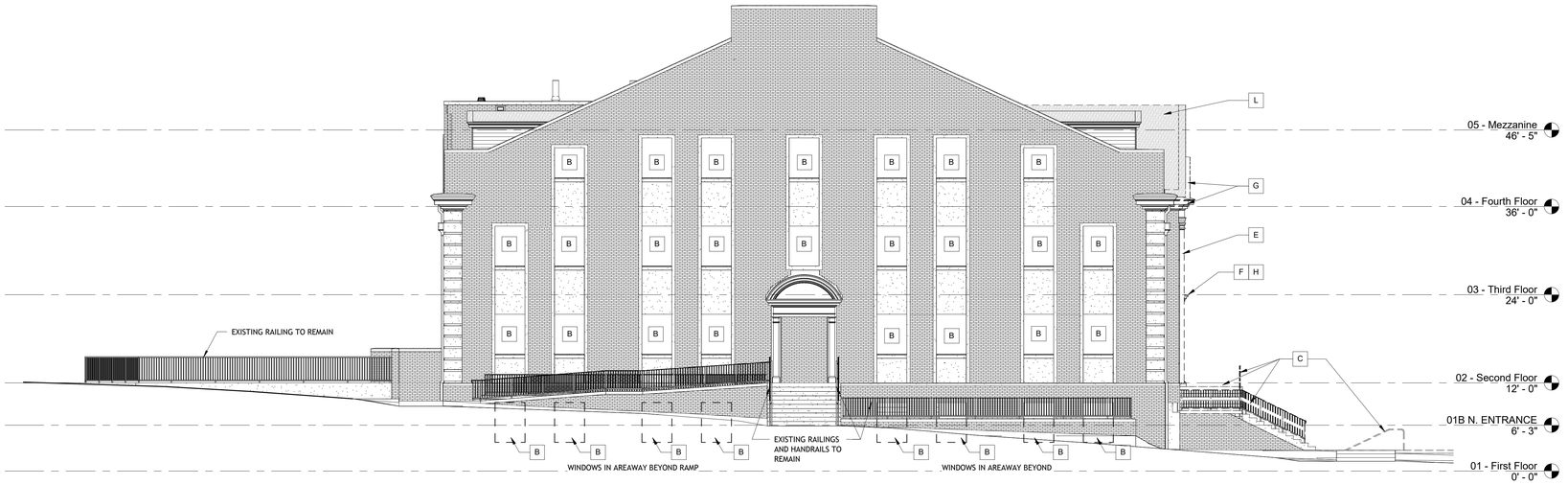
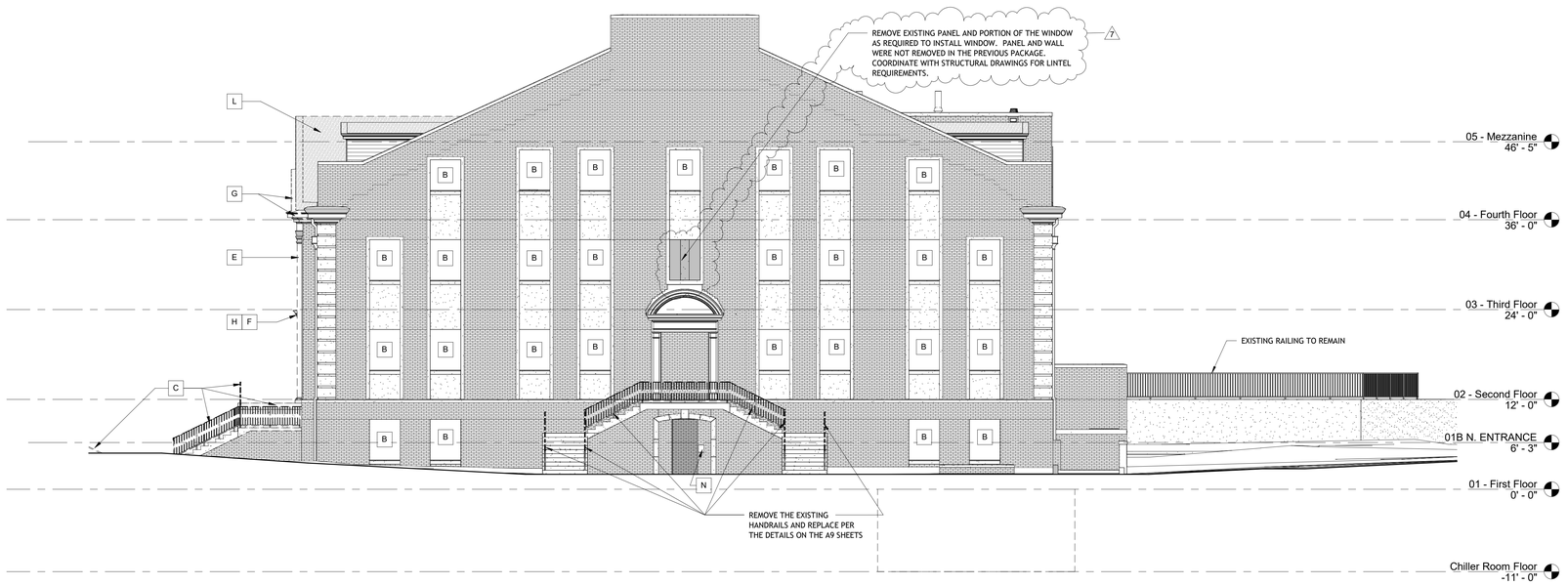


PLAN WEST ELEV. DEMO.

1/8" = 1'-0"

1

0 1'2" 4" 8"



PLAN EAST ELEV. DEMO.

1/8" = 1'-0"

2

0 1'2" 4" 8"

DEMOLITION GENERAL NOTES - PACKAGE 3

1. FIELD VERIFY EXISTING CONDITIONS, MEASUREMENTS, AND LAYOUTS. CONTACT ARCHITECT IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND.
2. COORDINATE DEMOLITION WORK WITH EXTENT OF NEW RENOVATION WORK ON ARCHITECTURAL, FIRE PROTECTION, MECHANICAL, PLUMBING AND ELECTRICAL SHEETS. FIELD VERIFY ABOVE CEILING CONNECTIONS AND COORDINATE WITH NEW HEIGHT AND PLACEMENT OF CEILING GRID. NEW AND EXISTING LIGHT LOCATIONS AND SPRINKLER PIPING. CONTRACTOR TO PROVIDE NEW FINISH TO AREAS TO REMAIN EXPOSED, DAMAGED BY CEILING WORK, ELECTRICAL, MECHANICAL, PLUMBING AND SPRINKLER INSTALLATION AND OTHER WORK ASSOCIATED WITH THE PROJECT.
3. COORDINATE WITH PACKAGE 2 FOR DEMOLITION AND ABATEMENT.
4. MAINTAIN EXISTING ROOF WARRANTIES OF PORTIONS OF ROOF TO REMAIN WHEN DEMOLISHING ADJACENT PORTIONS ASSOCIATED WITH THE NEW ADDITIONS.
5. COORDINATE WITH CIVIL DRAWINGS FOR MORE INFORMATION ON DEMOLITION AND REWORK OF EXISTING GRADING, SIDEWALKS, PARKING, ROADS AND SITE UTILITIES.
6. COORDINATE WITH STRUCTURAL, MECHANICAL, PLUMBING, FIRE PROTECTION, AND ELECTRICAL FOR ADDITIONAL DEMOLITION NOTES AND REQUIREMENTS.

DEMOLITION KEY NOTES - ELEVATIONS - PACKAGE 3

A. REMOVE EXISTING CONCRETE WALKS, LANDSCAPING, AND GRADE AS REQUIRED FOR PREPARATION OF NEW WORK. COORDINATE WITH RENOVATION DRAWINGS.

B. EXISTING METAL FRAMED WINDOW & ASSOCIATED GLAZING, HARDWARE, SEALANT AND RELATED JAMB TRIM REMOVED IN PACKAGE 2. PREP ROUGH OPENING FOR NEW WINDOW. COORDINATE WITH PROPOSED WORK AND EXISTING CONDITIONS.

C. REMOVE & DISPOSE EXISTING CONCRETE STEPS & RELATED STRUCTURE IN THEIR ENTIRETY. DISPOSE OF RELATED PLANTERS, STOOPS, HANDRAILS / GUARDRAILS, PLANTERS, RELATED LANDSCAPING, & EXTERIOR LIGHT FIXTURES, SITE FURNISHINGS, AND ELECTRICAL ICE MELTING SYSTEM. CONTACT OWNER'S REP ABOUT REUSE OF ANY ITEMS. IF OWNER DOES NOT WANT EXISTING ITEMS, CONTRACTOR TO DISPOSE OF PROPERLY.

D. REMOVE EXISTING WINDOW, WINDOW FRAME AND GLAZING. REMOVE AND DISPOSE OF ALL ASSOCIATED WINDOW TRIMS, HARDWARE, PRE-CAST STONE HEADS, SILLS, JAMBS, AND WINDOW PANELING.

E. REMOVE EXISTING PILASTER(S) AND ANY FRAMING AND BLOCKING BEHIND THEM.

F. REMOVE EXISTING EXTERIOR LIGHT FIXTURES. COORDINATE POSSIBLE SALVAGE WITH OWNER'S REPRESENTATIVE FOR RE-USE.

G. REMOVE EXISTING GABLE END & HIPPED ROOF AND ALL ASSOCIATED CORNICE(S) AND ARCHED ENTRY PEDIMENT, ROOF STRUCTURE, AND ROOF GUTTERS BACK TO MAIN BRANCH.

H. REMOVE EXISTING EXTERIOR DOOR CASEMENT(S), PILASTER, CORNICE, PEDIMENT TRIM, AND ASSOCIATED FLASHING AND/OR WATERPROOFING. REMOVE AND DISPOSE EXISTING DOOR/TRANSOM AND ALL ASSOCIATED HARDWARE.

I. REMOVE EXISTING DORMER AND DORMER WINDOW IN IT'S ENTIRETY. PROVIDE TEMPORARY ENCLOSURE UNTIL ROOF CAN BE PATCHED. COORDINATE WITH NEW WORK DRAWINGS.

J. EXISTING PRECAST STONE WINDOW TRIM TO REMAIN AT JAMB, AND HEAD OF EXISTING WINDOWS. SELECT DEMOLITION AT WINDOW PANEL TO ALLOW FOR NEW DOOR. COORDINATE DEMOLITION WITH PROPOSED DRAWINGS.

K. EXISTING ROOF, ROOF DOWNSPOUTS, ROOF DRAINS, GUTTERS, AND ROOF MOUNTED EQUIPMENT TO REMAIN; PROTECT AND PRESERVE FOR THE DURATION OF CONSTRUCTION.

L. EXISTING ROOF, SHEATHING, UNDERLAYMENT AND RELATED FLASHING TO BE REMOVED. REMOVE ROOF JOISTS SOWN DASHED IN PREPARATION FOR NEW PROGRAM SPACE ON FOURTH FLOOR.

M. <NOT USED>

N. DEMO EXISTING SECURITY ACCESS CARD READER AND ASSOCIATED CONDUIT BACK TO MAIN BRANCH. RETURN CARD READER EQUIPMENT BACK TO OWNER.

7

KEY PLAN

N PLAN NORTH

TRUE NORTH

COMMUNITY TECTONICS ARCHITECTS
Knoxville, TN 37919
7610 Gleason Road
Ph. (865) 637-8890
www.communitytectonics.com

Upland Design Group
Crossville, TN 38557
P.O. Box 1026
Ph. (931) 484-7541
www.uplanddesigngroup.com

W&O Construction
Livingston, TN 38570
150 Construction Drive
Ph. (931) 403-1000
www.wocc.com

PROJECT
JOHNSON HALL RENOVATION - PKG 3
JOHNSON HALL RENOVATION & FOSTER DEMOLITION
SBC Nº 364/011-04-2022CM

LOCATION
COOKEVILLE, TN

OWNER
TENNESSEE TECH. UNIVERSITY

SEAL
KIM ALLEN CHAMBERLAIN
REGISTERED ARCHITECT
ARCHITECTURE
No. 18114
STATE OF TENNESSEE
3/28/25

7
KIM ALLEN CHAMBERLAIN
REGISTERED ARCHITECT
ARCHITECTURE
No. 18114
STATE OF TENNESSEE
6/11/25

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NO.	DESCRIPTION	DATE
7	Addendum 3 - PKG 3	6-11-25

JOB NO.
22025

ISSUE DATE
3-28-25

SHEET TITLE
EXISTING ELEVATIONS - DEMOLITION - PKG 3

DRAWN
CWD

REVIEW
KAC

D2.2

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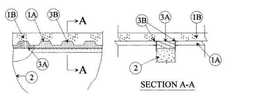
System No. HW-D-0022

January 23, 2018

ANSI/UL2079	CAN/ULC S115
Assembly Rating — 2 Hr	F Rating — 2 Hr
Nominal Joint Width = 1 In.	FT Rating — 2 Hr
Class B Movement Capabilities — 19% Compression or Extension	FH Rating — 2 Hr
L Rating At Ambient — Less Than 1 CFM/Lin Ft (See Item 3B)	FTH Rating — 2 Hr
L Rating At 400 F — Less Than 1 CFM/Lin Ft (See Item 3B)	Nominal Joint Width = 25 mm
	Class B Movement Capabilities—19% Compression or Extension
	L Rating At Ambient — Less Than 1.55 L/s/Lin m (See Item 3B)
	L Rating At 204°C — Less Than Less Than 1.55 L/s/Lin m (See Item 3B)



1. **Floor Assembly —** The fire-rated fluted steel deck/concrete floor assembly shall be constructed of the material and in the manner described in the individual Floor–Ceiling Design in the UL Fire Resistance Directory and shall include the following construction features:
A. **Steel Floor And Form Units" —** Max 3 In. (76 mm) deep galv steel floor deck.

A1. **Spray Applied Fire Resistive Material* —** (Optional, not shown) — Prior to the installation of the Forming Material and Fill, Void or Cavity Materials (Items 3A, 3B), the steel floor units may be sprayed with a min 5/16 In. (8 mm) thickness to max 11/16 In. (17 mm) thickness of fire resistive material.
GCP APPLIED TECHNOLOGIES INC — Type MK-6/MY

B. **Concrete —** Min 2-1/2 In. (64 mm) thick reinforced concrete, as measured from the top plane of the floor units.

1A. **Roof Assembly —** (Not Shown)-As an alternate to the floor assembly, a fire rated fluted steel deck roof assembly may be used. The roof assembly shall be constructed of the materials and in the manner described in the individual P700 or P900 Series Roof-Ceiling Design in the UL Fire Resistance Directory. **The hourly rating of the roof assembly shall be equal to or greater than the hourly rating of the wall assembly.** The roof assembly shall include the following construction features:
A. **Steel Roof Deck —** Max 3 In. (76 mm) deep galv steel fluted roof deck.

B. **Roof Insulation —** Min 2-1/4 In. (57 mm) thick poured insulating concrete, as measured from the top plane of the floor units.

C. **Roof Covering" —** Hot-mopped or cold-applied membrane material compatible with insulating concrete.

2. **Wall Assembly —** The 1 or 2 hr fire rated gypsum board/steel stud wall assembly shall be constructed of the materials and in the manner described in the individual U400 or V400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
A. **Steel Floor And Ceiling Runners —** Floor and ceiling runners of wall assembly shall consist of galv steel channels sized to accommodate steel studs (Item 2B). When cold-applied deflection channel (Item 3A) is used, ceiling runner installed within the deflection channel with 1 In. (25 mm) gap maintained between the top of ceiling runner and top of deflection channel. When deflection channel is not used, ceiling runner installed perpendicular to direction of fluted steel deck and secured to valleys with steel masonry anchors or by welds spaced max 24 In. (610 mm) OC.

A1. **Light Gauge Framing" — Slotted Ceiling Runner —** As an alternate to the ceiling runner in Item 2A, slotted ceiling runner to consist of galv steel channel with slotted flanges sized to accommodate steel studs (Item 2B). Slotted ceiling runner installed perpendicular to direction of fluted steel deck and secured to valleys with steel masonry anchors spaced max 24 In. (610 mm) OC. When slotted ceiling runner is used, deflection channel (Item 3A) shall not be used.
CEMCO, LLC — CST

CLARKDIETRICH BUILDING SYSTEMS — Type SLT, SLT-kit

MARINO/WARE, DBI OF WARE INDUSTRIES INC — Type SLT

METAL-LITE INC — The System

RAM SALES L L C — RAM Slotted Track

SCAFCO STEEL STUD MANUFACTURING CO

STEELER INC — Steeler Slotted Ceiling Runner

TELLING INDUSTRIES L L C — Track-Action Deflection Track

A2. **Light Gauge Framing" — Floor and Ceiling Runners —** As an alternate to the ceiling runner in Item 2A, 24 Ga galv steel ceiling runners to consist of galv steel channel sized to accommodate the **Light Gauge Framing" Slotted Stud** (Item 2B1) or **Light Gauge Framing" Slider C-Clip System** (Item 2B2). Floor and ceiling runners to be secured with min 1/4 In. (6.35 mm) diam concrete anchors spaced max 24 In. (610 mm) OC. When ceiling runner is used, deflection channel (Item 3A) shall not be used. When optional spray-applied fire resistive material is used on the steel deck, notched ceiling runner secured through spray-applied material to valley of steel deck with min 1/4 In. (6.35 mm) diam steel masonry anchors spaced max 12 In. (305 mm) OC.
STEELER INC — Floor and Ceiling Runners

A3. **Light Gauge Framing" — Notched Ceiling Runner —** As an alternate to the ceiling runners in Items 2A through 2A3, notched ceiling runners to consist of CH-shaped galv steel channel with notched return flanges sized to accommodate steel studs (Item 2B). Notched ceiling runner installed parallel to direction of steel centered on valleys, and secured with steel masonry anchors spaced max 24 In. (610 mm) OC. When notched ceiling runner is used, deflection channel (Item 3A) shall not be used. When optional spray-applied fire resistive material is used on the steel deck, notched ceiling runner secured through spray-applied material to valley of steel deck with min 3/16 In. (5 mm) diam steel masonry anchors spaced max 12 In. (305 mm) OC.
CEMCO, LLC — Flexi-Track

DURO-DYNE INC — Duro-Track

SCAFCO STEEL STUD MANUFACTURING CO

STEELER INC — Steeler Notched Ceiling Runner

TELLING INDUSTRIES L L C — Track-Action Deflection Track

A4. **Light Gauge Framing" — Steel Studs —** Steel Studs to be used in conjunction with **Light Gauge Framing" — Floor and Ceiling Runners** (Item 2A3). Steel studs to be min 3-5/8 In. (92 mm) wide. Studs cut 1/2 to 3/4 In. (13 to 19 mm) less in length than assembly height with bottom reeling in and resting on floor runner and with top reeling in ceiling runner without attachment. When slotted ceiling runner (Item 2A1) is used, steel studs secured to slotted ceiling runner with No. 8 by 1/2 In. (13 mm) long wafer head steel screws at midheight of abt on each side of wall. Stud spacing not to exceed 24 In. (610 mm) OC.
CEMCO, LLC — HyerStud™

C. **Gypsum Board" —** Gypsum board sheets installed to a min total thickness of 5/8 In. and 1-1/4 In. (16 and 32 mm) on each side of wall for 1 or 2 hr fire rated wall, respectively. Wall to be constructed as specified in the individual Wall and Partition Design in the UL Fire Resistance Directory, except that a nom 1 In. (25 mm) gap shall be maintained between the top of the gypsum board and the bottom of the steel floor or roof deck and the top runner channel shall be installed into the studs 3-1/2 In. (89 mm) below the lower surface of the floor. **The hourly ratings of the joint system are equal to the hourly fire rating of the wall.**

3. **Joint System — Max separation between bottom of floor or roof and top of wall is 1 In. (25 mm). The joint system is designed to accommodate a max 25 percent compression or extension from its installed width.** The joint system consists of an optional deflection channel, forming material and a fill material, as follows:
A. **Deflection Channel —** (Optional) — A nom 3-5/8 In. (92 mm) wide by 3 In. (76 mm) deep galv steel C-shaped channel. Deflection channel installed parallel to direction of steel deck, centered beneath valley and secured with steel masonry anchors or by welds spaced max 24 In. (610 mm) OC. When optional spray-applied fire resistive material is used on the steel deck, deflection channel secured through spray-applied material to valley of steel deck with min 1-1/2 In. (38 mm) long by min 3/16 In. (5 mm) diam steel masonry anchors spaced a max 24 In. (610 mm) OC. The ceiling runner (Item 2A) is installed within the deflection channel to maintain a 1 In. (25 mm) gap between the top of the ceiling runner and the top of the deflection channel. The ceiling runner is not fastened to the deflection channel.

B. **Forming Material" —** Min 4 pcf (64 kg/m³) mineral wool batt insulation to be cut a min of 20 percent wider than the gap between the top of the gypsum board and bottom of the steel floor or roof deck. The mineral wool is to be compressed and firmly packed into the gap between the top of the gypsum board and bottom of the steel floor or roof deck on both sides of the wall and shall be min 3/4 In. (19 mm) thick for 1 hr Rated Design and min 1-1/2 In. (38 mm) thick for 2 hr Rated Design.
INDUSTRIAL INSULATION GROUP L L C — Mortimer® 200 Safing

ROCK WOOL MANUFACTURING CO — Delta Board or Delta-8

ROCKWOOL MALAYSIA SDN BHD — Type Safe

ROCKWOOL — Type Safe

THERMAFIBER/OWENS CORNING — Type SAF

C. **Fill, Void or Cavity Material* —** Min 1/16 In. (1.6 mm) dry thickness (1/8 In. or 3.2 mm wet thickness) of fill material sprayed or brushed on each side of the wall between the top of the gypsum board and the bottom of the steel floor or roof deck to completely cover mineral wool and overlap a min of 1/2 In. (13 mm) onto wall and steel floor or roof deck on both sides of wall. When the steel floor or roof deck is coated with spray applied Material (Item A1), the fill material shall overlap min 2 In. (51 mm) onto the spray applied material.
3M COMPANY — Fire Barrier™ Spray 200

C1. **Fill, Void or Cavity Material* — Tape —** As an alternate to Item C, Tape cut to size and press applied within fluted areas of joint to completely cover mineral wool topping min 1 In. (25 mm) onto the contour of the steel floor units, or min 2 In. (51 mm) onto the spray applied fire resistive material (Item 1A1) on the steel floor units, and extending to top min 1 In. (25 mm) onto the concrete wall. Additional pieces of Tape are applied along the joint to completely cover the remaining mineral wool between bottom of steel deck and top edge of wall along length of joint. Lapping min 1 In. (25 mm) onto the contour of the steel floor units, or min 2 In. (51 mm) onto the spray applied fire resistive material (Item 1A1) on the steel floor units, and min 1 In. (25 mm) onto concrete wall. Adjoining lengths of Tape shall overlap min 1/2 In. (13 mm). Tape shall be applied at both sides of wall.
3M COMPANY — 3M Fire and Water Barrier Tape

L Ratings apply only when Fireshim™ Spray 200 is used.

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL certification (such as Canada), respectively.**

Last Updated on 2018-01-23

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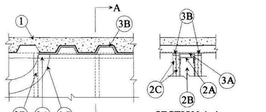
System No. HW-D-0024

June 21, 2023

Assembly Ratings — 1 & 2 Hr (See Item 2)
Class B Movement Capabilities — 33% Compression or Extension



1. **Floor Assembly —** The fluted steel deck/concrete floor assembly shall be constructed of the material and in the manner described in the individual Floor–Ceiling Design in the UL Fire Resistance Directory and shall include the following construction features:
A. **Steel Floor and Form Units" —** Max 3 In. (76 mm) deep galv steel fluted floor deck.

B. **Concrete —** Min 2-1/2 In. (64 mm) thick reinforced concrete, as measured from the top plane of the floor units.

1A. **Roof Assembly —** (Not Shown)-As an alternate to the floor assembly, a fire rated fluted steel deck roof assembly may be used. The roof assembly shall be constructed of the materials and in the manner described in the individual P700 or P900 Series Roof-Ceiling Design in the UL Fire Resistance Directory. **The hourly rating of the roof assembly shall be equal to or greater than the hourly rating of the wall assembly.** The roof assembly shall include the following construction features:
A. **Steel Roof Deck —** Max 3 In. (76 mm) deep galv steel fluted roof deck.

B. **Roof Insulation —** (F 900 Series) • Min 2-1/4 In. (57 mm) thick poured insulating concrete, as measured from the top plane of the floor units.

C. **Roof Covering" — Mineral and Fiber Board" —** (F 700 Series) — Min 3/4 In. (19 mm) thick boards applied in one or more layers directly over steel or over gypsum board sheathing bird stop steel roof deck.

D. **Spray Applied Fire Resistive Material" —** (F700 Series, not shown)—Prior to the installation of the Deflective Channel, Forming Material and Fill, Void or Cavity Material (Items 3A, 3B, 3C), the steel floor units may be sprayed with a min 5/16 In. (8 mm) to max 11/16 In. (17 mm) thickness of fire resistive material.
GCP APPLIED TECHNOLOGIES INC — Type MK-6/MY

2. **Wall Assembly —** Min 6-1/8 In. (156 mm) thick sheetrock/mineral lightweight or normal weight (100–150 pcf or 1600–2400 kg/m³) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks***.
See **Concrete Blocks** (CAZT) category in the Fire Resistance Directory for names of manufacturers.

3. **Joint System — Max separation between bottom of floor and top of wall is 1 In. (25 mm). The joint system is designed to accommodate a max 19 percent compression or extension from its installed width.** The joint system consists of a forming material and a fill material, as follows:
A. **Forming Material" —** Min 6-1/2 In. (165 mm) thickness of min 4 pcf (64 kg/m³) density mineral wool batt insulation cut to the shape of the fluted deck, approx 20 percent larger than the area of the flutes with additional min 6-1/2 In. (165 mm) thick by 7-1/8 In. (35 mm) high sections at the bottom of the shapes to completely fill the 7-1/8 In. (35 mm) flute units top the top of the wall and bottom of the steel floor or roof deck. Mineral wool to be compressed and firmly packed into the flutes and the gap between the top of the wall and bottom of the steel floor or roof deck.
INDUSTRIAL INSULATION GROUP L L C — Mortimer® 200 Safing

ROCK WOOL MANUFACTURING CO — Delta Board or Delta-8

ROCKWOOL MALAYSIA SDN BHD — Type Safe

ROCKWOOL — Type Safe

THERMAFIBER/OWENS CORNING — Type SAF

A1. **Fluted Deck Form Units —** Steel form units to be used in conjunction with **Light Gauge Framing" — Floor and Ceiling Runners** (Item 2A3). Steel studs to be min 3-5/8 In. (92 mm) wide. Studs cut 1/2 to 3/4 In. (13 to 19 mm) less in length than assembly height with bottom reeling in and resting on floor runner and with top reeling in ceiling runner without attachment. When slotted ceiling runner (Item 2A1) is used, steel studs secured to slotted ceiling runner with No. 8 by 1/2 In. (13 mm) long wafer head steel screws at midheight of abt on each side of wall. Stud spacing not to exceed 24 In. (610 mm) OC.
CEMCO, LLC — HyerStud™

C. **Gypsum Board" —** Gypsum board sheets to be installed to a min total thickness of 5/8 In. and 1-1/4 In. (16 or 32 mm) on each side of the wall for a 1 or 2 hr fire rated wall, respectively. Wall to be constructed as specified in the individual Wall and Partition Design in the UL Fire Resistance Directory, except that the gypsum board is not to fit the contour of the steel floor units with a nom 3/4 In. (19 mm) gap. The screws attaching the gypsum board to studs at the top of the wall shall be located 1 In. (25 mm) below the bottom of the deflection channel, when deflection channel is used. When deflection channel is not used, the screws attaching the gypsum board to studs at the top of the wall shall be located 1 In. (25 mm) below the bottom of the ceiling runner.
The hourly fire rating of the joint system is dependent on the hourly fire rating of the wall.

3. **Joint System — Max separation between bottom of floor and top of wall is 3/4 In. (19 mm). The joint system is designed to accommodate a max 33 percent compression or extension from its installed width.** The joint system consists of an optional deflection channel and a fill material, as follows:
A. **Deflection Channel —** (Optional) — A nom 3-5/8 In. (92 mm) wide by min 2 In. (51 mm) deep min 24 gauge steel C-shaped channel. Deflection channel installed perpendicular to direction of fluted steel deck and secured to valleys with steel masonry anchors or by welds spaced max 24 In. (610 mm) OC. The ceiling runner (Item 2A) is installed within the deflection channel to maintain a 1 In. gap between the top of the ceiling runner and the top of the deflection channel. The ceiling runner is not fastened to the deflection channel.

B. **Fill, Void or Cavity Material* — Sealant —** Min 5/8 In. (16 mm) thickness of fill material installed on each side of the wall between the top of the gypsum board and all surfaces of the steel floor units, flush with each surface of gypsum board.
FIGGIE FIRE PROTECTION PARTNERS — 410SG, 600SW or 300SX

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Last Updated on 2023-06-21

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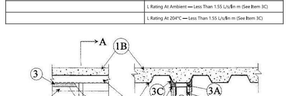
System No. HW-D-0029

June 21, 2023

ANSI/UL2079	CAN/ULC S115
Assembly Ratings — 1 and 2 Hr (See Items 2 and 3B)	F Ratings — 1 and 2 Hr (See Items 2 and 3B)
Nominal Joint Width = 1 In.	FT Ratings — 1 and 2 Hr (See Items 2 and 3B)
Class B Movement Capabilities — 25% Compression or Extension	FH Ratings — 1 and 2 Hr (See Items 2 and 3B)
L Rating At Ambient — Less Than 1 CFM/Lin Ft (See Item 3C)	FTH Ratings — 1 and 2 Hr (See Items 2 and 3B)
L Rating At 400 F — Less Than 1 CFM/Lin Ft (See Item 3C)	Nominal Joint Width = 25 mm
	Class B Movement Capabilities—25% Compression or Extension
	L Rating At Ambient — Less Than 1.55 L/s/Lin m (See Item 3C)
	L Rating At 204°C — Less Than 1.55 L/s/Lin m (See Item 3C)



1. **Floor Assembly —** The fire-rated fluted steel deck/concrete floor assembly shall be constructed of the materials and in the manner described in the individual Floor–Ceiling Design in the UL Fire Resistance Directory and shall include the following construction features:
A. **Steel Floor And Form Units" —** Max 3 In. (76 mm) deep galv steel fluted floor deck.

A1. **Spray Applied Fire Resistive Material* —** (Optional, Not Shown) — Prior to the installation of the Deflective Channel, Forming Material and Fill, Void or Cavity Materials (Items 3A and 3B), the steel floor units may be sprayed with a min 5/16 In. (8 mm) to max 11/16 In. (17 mm) thickness of fire resistive material.
GCP APPLIED TECHNOLOGIES INC — Type MK-6/MY

B. **Concrete —** Min 2-1/2 In. (64 mm) thick reinforced concrete, as measured from the top plane of the floor units.

1A. **Roof Assembly —** (Not Shown)-As an alternate to the floor assembly, a fire rated fluted steel deck roof assembly may be used. The roof assembly shall be constructed of the materials and in the manner described in the individual P700 or P900 Series Roof-Ceiling Design in the UL Fire Resistance Directory. **The hourly rating of the roof assembly shall be equal to or greater than the hourly rating of the wall assembly.** The roof assembly shall include the following construction features:
A. **Steel Roof Deck —** Max 3 In. (76 mm) deep galv steel fluted roof deck.

B. **Roof Insulation —** (F 900 Series) • Min 2-1/4 In. (57 mm) thick poured insulating concrete, as measured from the top plane of the floor units.

C. **Roof Insulation — Mineral and Fiber Board" —** (F 700 Series) — Min 3/4 In. (19 mm) thick boards applied in one or more layers directly over steel or over gypsum board sheathing bird stop steel roof deck.

D. **Spray Applied Fire Resistive Material* —** (F700 Series, not shown)—Prior to the installation of the Deflective Channel, Forming Material and Fill, Void or Cavity Material (Items 3A, 3B, 3C), the steel floor units may be sprayed with a min 5/16 In. (8 mm) to max 11/16 In. (17 mm) thickness of fire resistive material.
GCP APPLIED TECHNOLOGIES INC — Type MK-6/MY

2. **Wall Assembly —** Min 6-1/8 In. (156 mm) thick sheetrock/mineral lightweight or normal weight (100–150 pcf or 1600–2400 kg/m³) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks***.
See **Concrete Blocks** (CAZT) category in the Fire Resistance Directory for names of manufacturers.

3. **Joint System — Max separation between bottom of floor or roof and top of wall is 1 In. (25 mm). The joint system is designed to accommodate a max 19 percent compression or extension from its installed width.** The joint system consists of a forming material and a fill material, as follows:
A. **Forming Material" —** Min 6-1/2 In. (165 mm) thickness of min 4 pcf (64 kg/m³) density mineral wool batt insulation cut to a min of 20 percent wider than the gap between the top of the gypsum board and the bottom of the steel floor or roof deck and firmly packed into the gaps and the gap between the top of the wall and bottom of the steel floor or roof deck. Mineral wool to be compressed and firmly packed into the flutes and the gap between the top of the wall and bottom of the steel floor or roof deck.
CEMCO, LLC — CST

CLARKDIETRICH BUILDING SYSTEMS — Type SLT, SLT-kit

MARINO/WARE, DBI OF WARE INDUSTRIES INC — Type SLT

METAL-LITE INC — The System

RAM SALES L L C — RAM Slotted Track

SCAFCO STEEL STUD MANUFACTURING CO

STEELER INC — Steeler Slotted Ceiling Runner

TELLING INDUSTRIES L L C — Track-Action Deflection Track

A2. **Light Gauge Framing" — Floor and Ceiling Runners —** As an alternate to the ceiling and floor runners in Item 2A, 24 Ga galv steel ceiling runners to consist of galv steel channel sized to accommodate the **Light Gauge Framing" Slotted Stud** (Item 2B1) or **Light Gauge Framing" Slider C-Clip System** (Item 2B2). Floor and ceiling runners to be secured with min 1/4 In. (6.35 mm) diam concrete anchors spaced max 24 In. (610 mm) OC. When ceiling runner is used, deflection channel (Item 3A) shall not be used. When optional spray-applied fire resistive material is used on the steel deck, notched ceiling runner secured through spray-applied material to valley of the steel deck with min 3/16 In. (5 mm) diam steel masonry anchors spaced max 12 In. (305 mm) OC.
STEELER INC — Floor and Ceiling Runners

A3. **Light Gauge Framing" — Notched Ceiling Runner —** As an alternate to the ceiling runners in Items 2A through 2A3, notched ceiling runners to consist of CH-shaped galv steel channel with notched return flanges sized to accommodate steel studs (Item 2B). Notched ceiling runner installed parallel to direction of steel centered on valleys, and secured with steel masonry anchors spaced max 24 In. (610 mm) OC. When notched ceiling runner is used, deflection channel (Item 3A) shall not be used. When optional spray-applied fire resistive material is used on the steel deck, notched ceiling runner secured through spray-applied material to valley of the steel deck with min 3/16 In. (5 mm) diam steel masonry anchors spaced max 12 In. (305 mm) OC.
CEMCO, LLC — Flexi-Track

DURO-DYNE INC — Duro-Track

SCAFCO STEEL STUD MANUFACTURING CO

STEELER INC — Steeler Notched Ceiling Runner

TELLING INDUSTRIES L L C — Track-Action Deflection Track

A4. **Light Gauge Framing" — Steel Studs —** Steel Studs to be used in conjunction with **Light Gauge Framing" — Floor and Ceiling Runners** (Item 2A2). Steel studs to be min 3-5/8 In. (92 mm) wide. Studs cut 1/2 to 3/4 In. (13 to 19 mm) less in length than assembly height with bottom reeling in and resting on floor runner and with top reeling in ceiling runner without attachment. When slotted ceiling runner (Item 2A1) is used, steel studs secured to slotted ceiling runner with No. 8 by 1/2 In. (13 mm) long wafer head steel screws at midheight of abt on each side of wall. Stud spacing not to exceed 24 In. (610 mm) OC.
CEMCO, LLC — HyerStud™

B1. **Light Gauge Framing" — Slotted Studs —** Slotted steel stud to be used in conjunction with **Light Gauge Framing" — Floor and Ceiling Runners** (Item 2A3). Slotted steel studs to be min 3-5/8 In. (92 mm) wide. Slotted studs cut 1 In. (25 mm) less in length than assembly height with bottom reeling in and secured to both ceiling and floor runners. Ceiling runner installed parallel to direction of steel deck within slotted stud flanges. Stud spacing not to exceed 24 In. (610 mm) OC. When ceiling runner is used, deflection channel (Item 3A) shall not be used. When optional spray-applied fire resistive material is used on the steel deck, ceiling runner secured through spray-applied material to valley of steel deck with min 3/16 In. (5 mm) diam steel masonry anchors spaced max 12 In. (305 mm) OC.
STEELER INC — Slotted Stud

B2. **Light Gauge Framing" — Slider C-Clip System —** As an alternate to the **Light Gauge Framing" — Slotted Stud Studs** (Item 2B1), a Slider C-Clip System consisting of a C-shaped steel clip with a slotted opening and a steel stud to be used in conjunction with **Light Gauge Framing — Floor and Ceiling Runners** (Item 2A3). Steel clips and studs to be min 3-5/2 In. (89 mm) wide. Steel clip inserted into inside flange of steel stud without attachment. Total length of steel stud to be 1 In. (25 mm) less than assembly height with bottom of steel stud resting in and secured to floor runner. Floor runner attached to bottom of steel stud by means of No. 8 by 1/2 In. (13 mm) long pan head steel screws. Ceiling runner secured to steel C-Clip by means of No. 10 by 3/4 In. (19 mm) long pan head steel screw located 3/8 In. (10 mm) below top of ceiling runner. Top row of gypsum board screws shall be centered within the preformed slot of the C-Clip. Steel stud and steel clips spacing not to exceed 24 In. (610 mm) OC.
STEELER INC — Slider C-Clip System

B3. **Light Gauge Framing" — Steel Studs —** Steel Studs to be used in conjunction with **Light Gauge Framing" — Floor and Ceiling Runners** (Item 2A3). Steel studs to be min 3-5/8 In. (92 mm) wide. Studs cut 1/2 to 3/4 In. (13 to 19 mm) less in length than assembly height with bottom reeling in and resting on floor runner and with top reeling in ceiling runner without attachment. When slotted ceiling runner (Item 2A1) is used, steel studs secured to slotted ceiling runner with No. 8 by 1/2 In. (13 mm) long wafer head steel screws at midheight of abt on each side of wall. Stud spacing not to exceed 24 In. (610 mm) OC.
CEMCO, LLC — HyerStud™

C. **Gypsum Board" —** Gypsum board sheets to be installed to a min total thickness of 5/8 In. and 1-1/4 In. (16 or 32 mm) on each side of the wall for a 1 or 2 hr fire rated wall, respectively. Wall to be constructed as specified in the individual Wall and Partition Design in the UL Fire Resistance Directory, except that the gypsum board is not to fit the contour of the steel floor units with a nom 3/4 In. (19 mm) gap. The screws attaching the gypsum board to studs at the top of the wall shall be located 1 In. (25 mm) below the bottom of the deflection channel, when deflection channel is used. When deflection channel is not used, the screws attaching the gypsum board to studs at the top of the wall shall be located 1 In. (25 mm) below the bottom of the ceiling runner.

3. **Joint System — Max separation between bottom of floor and top of wall is 3/4 In. (19 mm). The joint system is designed to accommodate a max 33 percent compression or extension from its installed width.** The joint system consists of an optional deflection channel and a fill material, as follows:
A. **Deflection Channel —** (Optional) — A nom 3-5/8 In. (92 mm) wide by min 2 In. (51 mm) deep min 24 gauge steel C-shaped channel. Deflection channel installed perpendicular to direction of fluted steel deck and secured to valleys with steel masonry anchors or by welds spaced max 24 In. (610 mm) OC. The ceiling runner (Item 2A) is installed within the deflection channel to maintain a 1 In. gap between the top of the ceiling runner and the top of the deflection channel. The ceiling runner is not fastened to the deflection channel.

B. **Fill, Void or Cavity Material* — Sealant —** Min 5/8 In. (16 mm) thickness of fill material installed on each side of the wall between the top of the gypsum board and all surfaces of the steel floor units, flush with each surface of gypsum board.

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Last Updated on 2023-06-27

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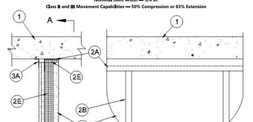
System No. HW-D-0480

June 27, 2023

Assembly Ratings — 1 and 2 Hr (See Item 2)
L Rating at Ambient — Less Than 1 CFM/Lin Ft
L Rating at 400° F — Less Than 1 CFM/Lin Ft
Nominal Joint Width — 3/4 In.
Class B and BB Movement Capabilities — 50% Compression or 83% Extension



1. **Floor Assembly —** Min 6-1/2 In. (165 mm) thick sheetrock/mineral lightweight or normal weight (100–150 pcf or 1600–2400 kg/m³) structural concrete. Floor has **Pecast Current Units** (2775) category in the Fire Resistance Directory for names of manufacturers.

2. **Shaft Wall Assembly —** The 1 or 2 hr fire rated shaft wall assembly shall be constructed of the materials and in the manner described in the individual U400 or V400 Series Wall and Partition Design in the UL Fire Resistance Directory. The wall shall include the following construction features:
A. **Floor and Ceiling Runners —** 6" H-shaped runner, min 2-1/2 In. (64 mm) wide with unequal legs of 1 In. (25 mm) and 2 In. (51 mm), fabricated from min 24 MSG galv steel. Runners positioned with short leg toward finished side of wall. Runners attached to wall and floor with steel fasteners spaced max 24 In. (610 mm) OC. As an alternate to the "I"-shaped runner, a min 2-1/2 In. (64 mm) wide by 1 or 1-1/4 In. (25 or 32 mm) deep channel formed from min 24 MSG galv steel may be used for the floor and ceiling runners.

A1. **Steel Floor And Ceiling Runners —** As an alternate to Item 2A, floor and ceiling runners of wall assembly shall consist of galv steel channels sized to accommodate steel "C-H" studs. Flange height of ceiling runner shall be min 1/2 In. (13 mm) greater than nom joint width. Ceiling runner secured with steel masonry anchors spaced max 24 In. (610 mm) OC.

A2. **Light Gauge Framing" — Slotted Ceiling Track —** As an alternate to Item 2A, slotted ceiling track shall consist of galv steel channels with slotted flanges. Slotted ceiling track sized to accommodate steel "C-H" studs (Item 2C). Attached to concrete at ceiling with steel fasteners spaced max 12 In. (305 mm) OC.
CEMCO, LLC — CST

CLARKDIETRICH BUILDING SYSTEMS — Type SLT, SLT-kit

MARINO/WARE, DBI OF WARE INDUSTRIES INC — Type SLT

METAL-LITE INC — The System

SCAFCO STEEL STUD MANUFACTURING CO — Slotted Track

TELLING INDUSTRIES L L C — Truenchion Deflection Track

B. **Steel Studs —** "C-H", "I" or "C-H"-shaped steel studs to be min 2-1/2 In. (64 mm) wide and formed of min 24 MSG galv steel. Studs cut 1/2 to 3/4 In. (13 to 19 mm) less in length than assembly height with bottom reeling in and resting on floor runner and with top reeling in "C-shaped runner or slotted ceiling track. Studs spaced max 24 In. (610 mm) OC. After installation of gypsum board liner panels (Item 2D), studs secured to flange of floor runner on finished side of wall with No. 6 by 1/2 In. (13 mm) long self-drilling, self-tapping steel screws. If slotted ceiling track (Item 2A1) is used, studs secured to flange of slotted ceiling track on finished side of wall only with No. 8 by 1/2 In. (13 mm) long self-drilling, self-tapping wafer head steel screws at slot midheight.

C. **Gypsum Board" —** 1 In. (25 mm) thick by 24 In. (610 mm) wide gypsum board liner panels. Panels cut 1 In. (25 mm) less in length than floor to ceiling height. Vertical edges inserted into "H"-shaped section of "C-H" studs, into holding tabs of "I" studs or into "H"-shaped section of "C-H" studs.

D. **Gypsum Board" —** Gypsum board, 1/2 or 5/8 In. (13 or 16 mm) thick, applied on finished side of wall as specified in the individual U400 or V400 Series Wall and Partition Design. The boards cut 3/4 In. (19 mm) less in length than floor to ceiling height. The screws attaching the gypsum board face(s) to the "C-H", "I" or "C-H" studs shall be located a max of 2 In. (51 mm) below the bottom of the ceiling runner.

E. **Mineral Wool —** Min 3-1/2 In. (38 mm) thick min 4 pcf (64 kg/m³) mineral wool batt insulation cut to the width of ceiling runner and compressed 50 percent in thickness, installed to completely fill ceiling runner above the studs. Additional min 3-1/2 In. (38 mm) thick min 4 pcf (64 kg/m³) mineral wool batt insulation installed to fill stud cavities.

The hourly fire rating of the joint system is equal to the hourly fire rating of the wall.

3. **Joint System — Max separation between bottom of floor and top of wall (at time of installation of joint system) is 3/4 In. (19 mm). The joint system is designed to accommodate a max 50 percent compression or 83 percent extension from its installed width.** This joint system consists of a forming material and a fill material, as follows:
A. **Forming Material" —** Min 6-1/2 In. (165 mm) thickness of min 4 pcf (64 kg/m³) density mineral wool batt insulation cut to min of 20 percent wider than the gap between the top of the wall and bottom of the steel floor or roof deck and firmly packed into the gap between the top of the wall and bottom of the steel floor or roof deck. Mineral wool to be compressed and firmly packed into the gap between the top of the wall and bottom of the steel floor or roof deck.
INDUSTRIAL INSULATION GROUP L L C — Mortimer® 200 Safing

ROCK WOOL MANUFACTURING CO — Delta Board or Delta-8

ROCKWOOL MALAYSIA SDN BHD — Type Safe

ROCKWOOL — Type Safe

THERMAFIBER/OWENS CORNING — Type SAF

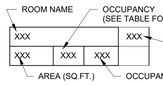
B1. **Fill, Void or Cavity Material* — Tape —** As an alternate to Item B, Tape cut to size and press applied within fluted areas of joint to completely cover mineral wool topping min 1 In. (25 mm) onto the contour of the steel floor units, or min 2 In. (51 mm) onto the spray applied fire resistive material (Item 1A1) on the steel floor units, and extending to top min 1 In. (25 mm) onto the gypsum board. Additional pieces of Tape are applied along the joint to completely cover the remaining mineral wool between bottom of steel deck and top edge of wall along length of joint. Lapping min 1 In. (25 mm) onto the contour of the steel floor units, or min 2 In. (51 mm) onto the spray applied fire resistive material (Item 1A1) on the steel floor units, and min 1 In. (25 mm) onto gypsum board. Adjoining lengths of Tape shall overlap min 1/2 In. (13 mm). Tape shall be applied at both sides of wall.
3M COMPANY — 3M Fire and Water Barrier Tape

L Ratings apply only when Fireshim™ Spray 200 is used.

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada),

LIFE SAFETY SYMBOLS

0	INDICATES OCCUPANT LOAD AT EXIT
F	FIRE ALARM MANUAL PULL STATION - MOUNT 48" A.F.F.
FEC	FIRE EXTINGUISHER CABINET
FE	BRACKET MOUNTED FIRE EXTINGUISHER
	FIRE ALARM STROBE LIGHT - MOUNT 80" A.F.F., BUT NO CLOSER THAN 6" TO CEILING
	FIRE ALARM COMBINATION AUDIBLE/VISUAL UNIT - MOUNT 80" A.F.F., BUT NO CLOSER THAN 6" TO CEILING
MH	MAGNETIC HOLD OPEN DEVICE CONNECTED TO FIRE ALARM CONTROL PANEL
SD	SMOKE DETECTOR
HD	HEAT RISE DETECTOR
DD	DUCT DETECTOR
	SPRINKLER WALL WASH HEADS PER ICC-ES ESR-2397. APPLICABLE FOR FIRE BARRIERS AND EXTERIOR WALL FOR UP TO 2-HOUR FIRE RESISTANCE RATING (ICC-ES ESR-2397 3.1, 5.3). COORDINATE WITH FIRE PROTECTION DRAWINGS.
"FACP"	FIRE ALARM CONTROL PANEL - PROVIDED WITH BATTERY BACKUP PER NFPA REQUIREMENTS
"FAA"	FIRE ALARM ANNUCIATOR PANEL - PROVIDED WITH BATTERY BACKUP PER NFPA REQUIREMENTS.
D1	DOOR EXIT REQUIREMENT CALCULATIONS - SEE DOOR CAPACITY LEGEND
	EXIT SIGN - SINGLE OR DOUBLE FACE, WALL OR CLG. MOUNTED,AS INDICATED BY SYMBOL. DIRECTIONAL ARROWS SHALL BE PROVIDED AS SHOWN. EXIT SIGN SHALL BE ON THE LIFE-SAFETY CIRCUIT OF THE GENERATOR FOR OPERATION DURING LOSS OF NORMAL BUILDING POWER
	EXTERIOR EMERGENCY LIGHTING UNIT



GENERAL NOTES:
- COORDINATE WITH ELECTRICAL DRAWINGS FOR LOCATIONS OF EMERGENCY LIGHTS, EXIT SIGNS, FIRE ALARM PULL STATIONS, STROBES, AND SMOKE DETECTORS.
- COORDINATE W/ UL SHEETS FOR RATED WALLS' DETAILS.
- COORDINATE W/ MECHANICAL DRAWINGS FOR DAMPERS AND THRU-WALL DETAILS.

DOOR CAPACITY LEGEND

DOOR CAPACITY BASED ON IBC 2012 TABLE 1005.1 AND NFPA TABLE 7.3.3.1 - WITH SPRINKLER SYSTEM

D1 — SINGLE 36" DOOR
34" / EXIT = 170 PERSONS / EXIT
0.2" / PERSON
1 DOOR X 170 PERSONS = 170 PERSON EXIT CAPACITY

D2 — DOUBLE 36" DOOR
35" / EXIT = 175 PERSONS / EXIT
0.2" / PERSON
2 DOORS X 175 PERSONS = 350 PERSON EXIT CAPACITY

D3 — SINGLE 48" DOOR
46" / EXIT = 230 PERSONS / EXIT
0.2" / PERSON
1 DOOR X 230 PERSONS = 230 PERSON EXIT CAPACITY

D4 — DOUBLE 30" DOOR
29" / EXIT = 145 PERSONS / EXIT
0.2" / PERSON
2 DOORS X 145 PERSONS = 290 PERSON EXIT CAPACITY

D5 — SINGLE 42" DOOR
40" / EXIT = 200 PERSONS / EXIT
0.2" / PERSON
1 DOOR X 200 PERSONS = 200 PERSON EXIT CAPACITY

D6 — SINGLE 32" DOOR
30" / EXIT = 150 PERSONS / EXIT
0.2" / PERSON
1 DOOR X 150 PERSONS = 150 PERSON EXIT CAPACITY

D7 — DOUBLE 42" DOOR
41" / EXIT = 205 PERSONS / EXIT
0.2" / PERSON
2 DOORS X 205 PERSONS = 410 PERSON EXIT CAPACITY

SHAFT WALLS GENERAL NOTES

IBC 713.2 - SHAFT ENCLOSURES SHALL BE CONSTRUCTED AS FIRE BARRIERS IN ACCORDANCE WITH SECTION 707 OR HORIZONTAL ASSEMBLIES IN ACCORDANCE WITH SECTION 711, OR BOTH.

IBC 713.4 - SHAFT ENCLOSURES SHALL HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN 2 HOURS WHERE CONNECTING FOUR STORIES OR MORE, AND NOT LESS THAN 1 HOUR WHERE CONNECTING LESS THAN FOUR STORIES. THE NUMBER OF STORIES CONNECTED BY THE SHAFT ENCLOSURE SHALL INCLUDE ANY BASEMENTS BUT NOT ANY MEZZANINES. SHAFT ENCLOSURES SHALL HAVE A FIRE-RESISTANCE RATING NOT LESS THAN THE FLOOR ASSEMBLY PENETRATED, BUT NEED NOT EXCEED 2 HOURS. SHAFT ENCLOSURES SHALL MEET THE REQUIREMENTS OF SECTION 703.2.1.

IBC 713.8 - PENETRATIONS IN A SHAFT ENCLOSURE SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 714 AS REQUIRED FOR FIRE BARRIERS. STRUCTURAL ELEMENTS, SUCH AS BEAMS OR JOIST, WHERE PROTECTED IN ACCORDANCE WITH SECTION 714 SHALL BE PERMITTED TO PENETRATE A SHAFT ENCLOSURE.

IBC 713.10 - PENETRATIONS OF SHAFT ENCLOSURES BY DUCTS AND AIR TRANSFER OPENINGS SHALL COMPLY WITH SECTION 717.

IBC 713.11 - SHAFTS THAT DO NOT EXTEND TO THE BOTTOM OF THE BUILDING OR STRUCTURE - SHALL COMPLY WITH ONE OF THE FOLLOWING.
1. THEY NEED TO BE ENCLOSED AT THE LOWEST LEVEL WITH A FIRE-RESISTANT RATING AS THE LOWEST FLOOR BUT NOT LESS THAN THE SHAFT RATING.
2. THEY CAN TERMINATE AT A ROOM WITH A RELATED PURPOSE OF THE SHAFT, AND THAT ROOM SHALL BE SEPARATED FROM THE REST OF THE BUILDING BY A FIRE-RESISTANT RATING AT LEAST EQUAL TO THE SHAFT RATING.
3. THEY SHALL BE PROTECTED BY APPROVED FIRE DAMPERS INSTALLED AT THE LOWEST FLOOR LEVEL.

IBC 713.12 - SHAFTS THAT DO NOT EXTEND TO THE UNDERSIDE OF ROOF SHEATHING, DECK OR SLAB OF THE BUILDING SHALL BE ENCLOSED AT THE TOP WITH CONSTRUCTION OF THE SAME FIRE-RESISTANCE RATING AS THE TOPMOST FLOOR PENETRATED BY THE SHALL, BUT NOT LESS THAN THE FIRE-RESISTANCE RATING REQUIRED FOR THE SHAFT ENCLOSURE.

SHAFT TYPE	NUMBER OF FLOORS CONNECTED	REQUIRED RATING
SH-A	2	1 HOUR
SH-B	4	2 HOUR

FLOOR AREA PER OCCUPANT

IBC 2012 EDITION TABLE 1004.1.2 - MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

A1	ASSEMBLY USE - CONCENTRATED (CHAIRS ONLY - NOT FIXED) - 7 S.F. NET/ PERSON
A2	ASSEMBLY USE - STANDING SPACE - 5 S.F. NET / PERSON
A3	ASSEMBLY UNCONCENTRATED (TABLES AND CHAIRS) - 15 NET / PERSON
B	BUSINESS USE - 100 S.F. GROSS / PERSON
M	MECHANICAL / STORAGE USE - 300 S.F. GROSS / PERSON
E1	EDUCATIONAL - CLASSROOM AREAS - 20 S.F. NET / PERSON
E2	EDUCATIONAL - SHOPS AND VOCATIONAL USE - 50 S.F. NET / PERSON

RATED WALL SYMBOL LEGEND

1-HOUR FIRE BARRIER

FLOOR TO UNDERSIDE OF DECK ABOVE AT CONC. BLOCK LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U905 (NONBEARING) AND UL DESIGN U905 (LOAD BEARING), TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0022 (WALL PERPENDICULAR TO DECK) OR HW-D-0030 (WALL PARALLEL TO DECK FLUTES)

AT GYPSUM BOARD WALL LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U419 WITH; TERMINATE AT METAL DECK WITH UL SYSTEM HW-D-0024 (WALL PERPENDICULAR TO DECK FLUTES) OR HW-D-0029 (WALL PARALLEL TO DECK FLUTES)

2-HOUR FIRE BARRIER

FLOOR TO UNDERSIDE OF DECK ABOVE AT CONC. BLOCK LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U905 (NONBEARING) AND UL DESIGN U905 (LOAD BEARING), TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0022 (WALL PERPENDICULAR TO DECK FLUTES) OR HW-D-0030 (WALL PARALLEL TO DECK FLUTES)

AT GYPSUM BOARD WALL LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U419 WITH; TERMINATE AT METAL DECK WITH UL SYSTEM HW-D-0024 (WALL PERPENDICULAR TO DECK FLUTES) OR HW-D-0029 (WALL PARALLEL TO DECK FLUTES)

SHAFT WALL - PER IBC 2012-SECTION 713.2
USE UL DESIGN U415, TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0549 (FLOOR OR ROOF DECK WITH FLUTES) OR HW-D-0480 (FLOOR OR ROOF DECK WITHOUT FLUTES)

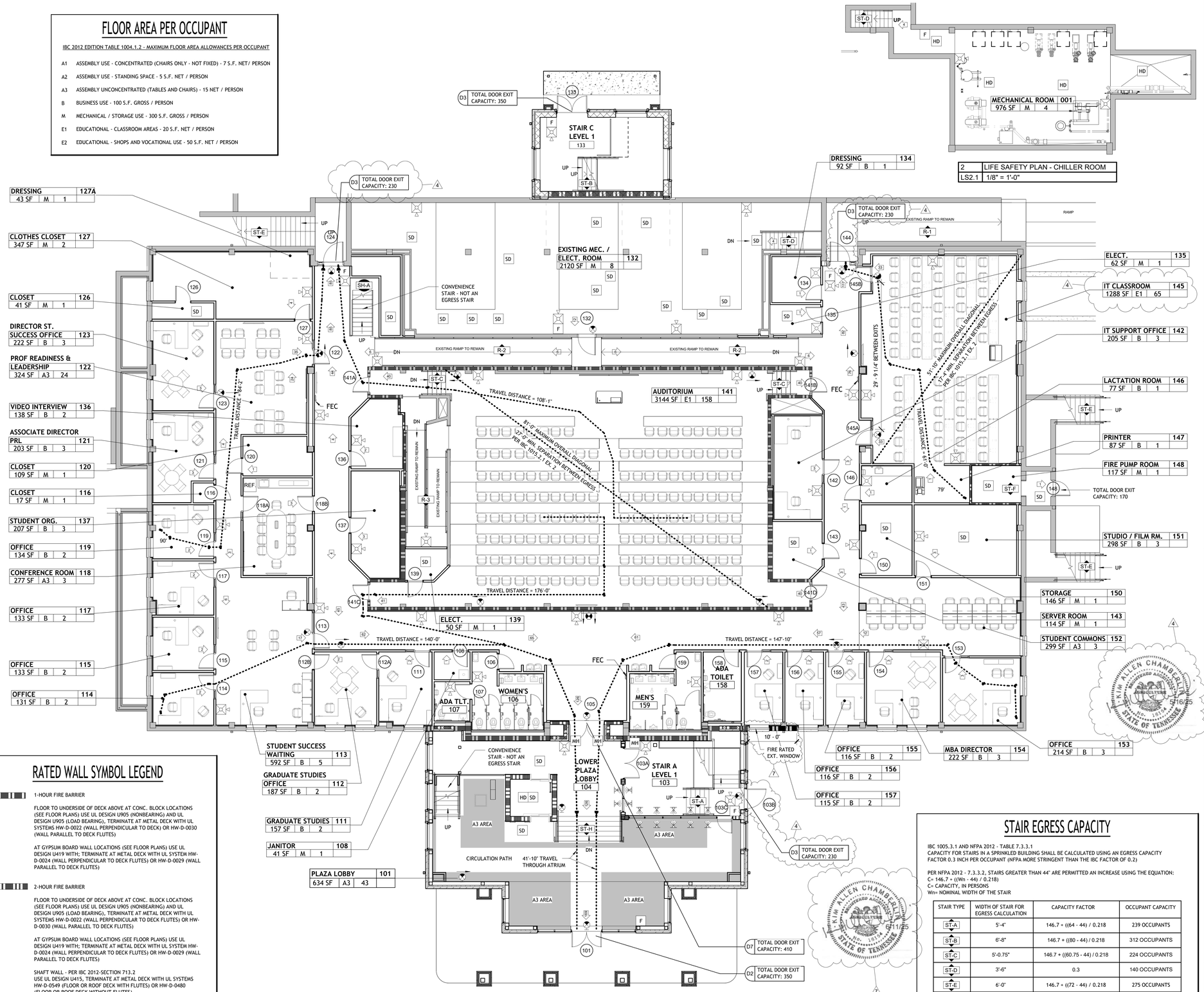
SMOKE PARTITION PER IBC 2012 SECTION 710 AND NFPA 8.3.4.2, WALL SHALL EXTEND TO DECK.

NOTES:
ALL INTERIOR WALLS SHALL EXTEND TO DECK ABOVE UNLESS NOTED OTHERWISE.

PROVIDE 3" HIGH, BRIGHT RED STENCILED LETTERS VISIBLE ABOVE CEILING AT ALL CHANGES IN DIRECTION AND AT 30' INTERVALS ALONG ALL RATED WALLS READING: "____ HOUR FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS." (INCORPORATE CORRECT WALL DESIGNATIONS) FIRE WALLS SHALL BE STENCILED ON BOTH SIDES OF WALLS.

ATRIUM TRAVEL DISTANCE

IBC 2012 EDITION 404.9 - IN OTHER THAN THE LOWEST LEVEL OF THE ATRIUM. THE PORTION OF EXIT ACCESS TRAVEL DISTANCE WITHIN THE ATRIUM SPACE SHALL BE NOT GREATER THAN 200 FEET.



LIFE SAFETY PLAN - FIRST FLOOR

1/8" = 1'-0"

PLAN NORTH TRUE NORTH

2	LIFE SAFETY PLAN - CHILLER ROOM
LS2.1	1/8" = 1'-0"

STAIR EGRESS CAPACITY

IBC 1005.3.1 AND NFPA 2012 - TABLE 7.3.3.1
CAPACITY FOR STAIRS IN A SPRINKLED BUILDING SHALL BE CALCULATED USING AN EGRESS CAPACITY FACTOR 0.3 INCH PER OCCUPANT (NFPA MORE STRINGENT THAN THE IBC FACTOR OF 0.2)

PER NFPA 2012 - 7.3.3.2, STAIRS GREATER THAN 44" ARE PERMITTED AN INCREASE USING THE EQUATION:
C= 146.7 + ((Wn - 44) / 0.218)
C= CAPACITY, IN PERSONS
Wn= NOMINAL WIDTH OF THE STAIR

STAIR TYPE	WIDTH OF STAIR FOR EGRESS CALCULATION	CAPACITY FACTOR	OCCUPANT CAPACITY
ST-A	5'-4"	146.7 + ((64 - 44) / 0.218	239 OCCUPANTS
ST-B	6'-8"	146.7 + ((80 - 44) / 0.218	312 OCCUPANTS
ST-C	5'-0.75"	146.7 + ((60.75 - 44) / 0.218	224 OCCUPANTS
ST-D	3'-6"	0.3	140 OCCUPANTS
ST-E	6'-0"	146.7 + ((72 - 44) / 0.218	275 OCCUPANTS
ST-F	3'-4"	0.3	134 OCCUPANTS
ST-G	9'-0"	146.7 + ((108 - 44) / 0.218	441 OCCUPANTS
ST-H	13'-5"	146.7 + ((161 - 44) / 0.218	684 OCCUPANTS

IBC 1005.3.1 AND NFPA 2012 - 7.3.1.4 - EXITS SERVING MORE THAN ONE STORY-
WHERE AN EXIT SERVES MORE THAN ONE STORY, ONLY THE OCCUPANT LOAD OF EACH STORY CONSIDERED INDIVIDUALLY SHALL BE USED IN COMPUTING THE REQUIRED CAPACITY OF THE EXIT AT THAT STORY.

IBC 1009.3 EXCEPTION 5 - EXIT ACCESS STAIRWAYS WITHIN AN ATRIUM COMPLYING WITH THE PROVISIONS OF SECTION 404 ARE NOT REQUIRED TO BE ENCLOSED.

COMMUNITY TECTONICS ARCHITECTS
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Ph.: (865) 637-8890 www.communitytectonics.com

Upland Design Group
P.O. Box 1026, Crossville, TN 38557
Ph.: (931) 484-7541 www.uplanddesigngroup.com

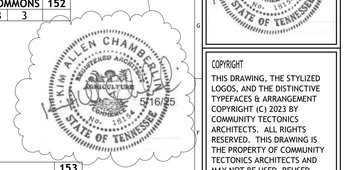
W&O Construction
150 Construction Drive, Livingston, TN 38570
Ph.: (931) 403-1000 www.wocc.com

PROJECT
JOHNSON HALL RENOVATION - PKG 3
JOHNSON HALL RENOVATION & FOSTER DEMOLITION
SBC Nº 364/011-04-2022CM

LOCATION
COOKEVILLE, TN

OWNER
TENNESSEE TECH. UNIVERSITY

SEAL



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NO.	DESCRIPTION	DATE
4	Addendum 1 - PKG 3	5-16-25
7	Addendum 3 - PKG 3	6-11-25

JOB NO. 22025

ISSUE DATE 3-28-25

SHEET TITLE
LIFE SAFETY PLAN - 1ST FLOOR

DRAWN CWD

REVIEW KAC

LS2.1

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LIFE SAFETY SYMBOLS

- 0 — INDICATES OCCUPANT LOAD AT EXIT
- F — FIRE ALARM MANUAL PULL STATION - MOUNT 48" A.F.F.
- FEC — FIRE EXTINGUISHER CABINET
- FE — BRACKET MOUNTED FIRE EXTINGUISHER
- FIRE ALARM STROBE LIGHT - MOUNT 80" A.F.F., BUT NO CLOSER THAN 6" TO CEILING
- FIRE ALARM COMBINATION AUDIBLE/VISUAL UNIT - MOUNT 80" A.F.F., BUT NO CLOSER THAN 6' TO CEILING
- MH — MAGNETIC HOLD OPEN DEVICE CONNECTED TO FIRE ALARM CONTROL PANEL
- SD — SMOKE DETECTOR
- HD — HEAT RISE DETECTOR
- DD — DUCT DETECTOR
- SPRINKLER WALL WASH HEADS PER ICC-ES ESR-2397. APPLICABLE FOR FIRE BARRIERS AND EXTERIOR WALL FOR UP TO 2-HOUR FIRE RESISTANCE RATING (ICC-ES ESR-2397 3.1, 5.3). COORDINATE WITH FIRE PROTECTION DRAWINGS.
- "FACP" — FIRE ALARM CONTROL PANEL - PROVIDED WITH BATTERY BACKUP PER NFPA REQUIREMENTS
- "FAA" — FIRE ALARM ANNUCIATOR PANEL - PROVIDED WITH BATTERY BACKUP PER NFPA REQUIREMENTS
- D1 — DOOR EXIT REQUIREMENT CALCULATIONS - SEE DOOR CAPACITY LEGEND
- EXIT SIGN - SINGLE OR DOUBLE FACE, WALL OR CLG. MOUNTED,AS INDICATED BY SYMBOL. DIRECTIONAL ARROWS SHALL BE PROVIDED AS SHOWN. EXIT SIGN SHALL BE ON THE LIFE-SAFETY CIRCUIT OF THE GENERATOR FOR OPERATION DURING LOSS OF NORMAL BUILDING POWER
- EXTERIOR EMERGENCY LIGHTING UNIT

ROOM NAME / OCCUPANCY (SEE TABLE FOR OCC FACTOR) / XXX / XXX / XXX / XXX / ROOM NUMBER / AREA (SQ.FT.) / OCCUPANT LOAD

GENERAL NOTES:
- COORDINATE WITH ELECTRICAL DRAWINGS FOR LOCATIONS OF EMERGENCY LIGHTS, EXIT SIGNS, FIRE ALARM PULL STATIONS, STROBES, AND SMOKE DETECTORS.
- COORDINATE W/ UL SHEETS FOR RATED WALLS' DETAILS.
- COORDINATE W/ MECHANICAL DRAWINGS FOR DAMPERS AND THRU-WALL DETAILS.

DOOR CAPACITY LEGEND

DOOR CAPACITY BASED ON IBC 2012 TABLE 1005.1 AND NFPA TABLE 7.3.3.1 - WITH SPRINKLER SYSTEM

D1 — SINGLE 36" DOOR
36" / EXIT = 170 PERSONS / EXIT
0.2" / PERSON
1 DOOR X 170 PERSONS = 170 PERSON EXIT CAPACITY

D2 — DOUBLE 36" DOOR
35" / EXIT = 175 PERSONS / EXIT
0.2" / PERSON
2 DOORS X 175 PERSONS = 350 PERSON EXIT CAPACITY

D3 — SINGLE 48" DOOR
46" / EXIT = 230 PERSONS / EXIT
0.2" / PERSON
1 DOOR X 230 PERSONS = 230 PERSON EXIT CAPACITY

D4 — DOUBLE 30" DOOR
29" / EXIT = 145 PERSONS / EXIT
0.2" / PERSON
2 DOORS X 145 PERSONS = 290 PERSON EXIT CAPACITY

D5 — SINGLE 42" DOOR
40" / EXIT = 200 PERSONS / EXIT
0.2" / PERSON
1 DOOR X 200 PERSONS = 200 PERSON EXIT CAPACITY

D6 — SINGLE 32" DOOR
30" / EXIT = 150 PERSONS / EXIT
0.2" / PERSON
1 DOOR X 150 PERSONS = 150 PERSON EXIT CAPACITY

D7 — DOUBLE 42" DOOR
41" / EXIT = 205 PERSONS / EXIT
0.2" / PERSON
2 DOORS X 205 PERSONS = 410 PERSON EXIT CAPACITY

SHAFT WALLS GENERAL NOTES

IBC 713.2 - SHAFT ENCLOSURES SHALL BE CONSTRUCTED AS FIRE BARRIERS IN ACCORDANCE WITH SECTION 707 OR HORIZONTAL ASSEMBLIES IN ACCORDANCE WITH SECTION 711, OR BOTH.

IBC 713.4 - SHAFT ENCLOSURES SHALL HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN 2 HOURS WHERE CONNECTING FOUR STORIES OR MORE, AND NOT LESS THAN 1 HOUR WHERE CONNECTING LESS THAN FOUR STORIES. THE NUMBER OF STORIES CONNECTED BY THE SHAFT ENCLOSURE SHALL INCLUDE ANY BASEMENTS BUT NOT ANY MEZZANINES. SHAFT ENCLOSURES SHALL HAVE A FIRE-RESISTANCE RATING NOT LESS THAN THE FLOOR ASSEMBLY PENETRATED, BUT NEED NOT EXCEED 2 HOURS. SHAFT ENCLOSURES SHALL MEET THE REQUIREMENTS OF SECTION 703.2.1.

IBC 713.8 - PENETRATIONS IN A SHAFT ENCLOSURE SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 714 AS REQUIRED FOR FIRE BARRIERS. STRUCTURAL ELEMENTS, SUCH AS BEAMS OR JOIST, WHERE PROTECTED IN ACCORDANCE WITH SECTION 714 SHALL BE PERMITTED TO PENETRATE A SHAFT ENCLOSURE.

IBC 713.10 - PENETRATIONS OF SHAFT ENCLOSURES BY DUCTS AND AIR TRANSFER OPENINGS SHALL COMPLY WITH SECTION 717.

IBC 713.11 - SHAFTS THAT DO NOT EXTEND TO THE BOTTOM OF THE BUILDING OR STRUCTURE - SHALL COMPLY WITH ONE OF THE FOLLOWING.
1. THEY NEED TO BE ENCLOSED AT THE LOWEST LEVEL WITH A FIRE-RESISTANT RATING AS THE LOWEST FLOOR BUT NOT LESS THAN THE SHAFT RATING.
2. THEY CAN TERMINATE AT A ROOM WITH A RELATED PURPOSE OF THE SHAFT, AND THAT ROOM SHALL BE SEPARATED FROM THE REST OF THE BUILDING BY A FIRE-RESISTANT RATING AT LEAST EQUAL TO THE SHAFT RATING.
3. THEY SHALL BE PROTECTED BY APPROVED FIRE DAMPERS INSTALLED AT THE LOWEST FLOOR LEVEL.

IBC 713.12 - SHAFTS THAT DO NOT EXTEND TO THE UNDERSIDE OF ROOF SHEATHING, DECK OR SLAB OF THE BUILDING SHALL BE ENCLOSED AT THE TOP WITH CONSTRUCTION OF THE SAME FIRE-RESISTANCE RATING AS THE TOPMOST FLOOR PENETRATED BY THE SHALL, BUT NOT LESS THAN THE FIRE-RESISTANCE RATING REQUIRED FOR THE SHAFT ENCLOSURE.

SHAFT TYPE	NUMBER OF FLOORS CONNECTED	REQUIRED RATING
SH-A	2	1 HOUR
SH-B	4	2 HOUR

RAMP EGRESS CAPACITY

IBC 1005.3.2 AND NFPA 2012 - TABLE 7.3.3.1
CAPACITY FOR RAMPS IN A SPRINKLED BUILDING SHALL BE CALCULATED USING AN EGRESS CAPACITY FACTOR 0.2 INCH PER OCCUPANT (NFPA IS MORE STRINGENT AND OVERRIDES IBC EXCEPTION FOR SPRINKLER BUILDINGS.)

RAMP TYPE	CLEAR WIDTH OF RAMP	CAPACITY FACTOR	OCCUPANT CAPACITY
R-1	7'-9"	0.2	465 OCCUPANTS
R-2	5'-11"	0.2	355 OCCUPANTS
R-3	4'-0"	0.2	240 OCCUPANTS
R-4	4'-4"	0.2	260 OCCUPANTS

RATED WALL SYMBOL LEGEND

1-HOUR FIRE BARRIER

FLOOR TO UNDERSIDE OF DECK ABOVE AT CONC. BLOCK LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U905 (NONBEARING) AND UL DESIGN U905 (LOAD BEARING), TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0022 (WALL PERPENDICULAR TO DECK) OR HW-D-0030 (WALL PARALLEL TO DECK FLUTES)

AT GYPSUM BOARD WALL LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U419 WITH; TERMINATE AT METAL DECK WITH UL SYSTEM HW-D-0024 (WALL PERPENDICULAR TO DECK FLUTES) OR HW-D-0029 (WALL PARALLEL TO DECK FLUTES)

2-HOUR FIRE BARRIER

FLOOR TO UNDERSIDE OF DECK ABOVE AT CONC. BLOCK LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U905 (NONBEARING) AND UL DESIGN U905 (LOAD BEARING), TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0022 (WALL PERPENDICULAR TO DECK FLUTES) OR HW-D-0030 (WALL PARALLEL TO DECK FLUTES)

AT GYPSUM BOARD WALL LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U419 WITH; TERMINATE AT METAL DECK WITH UL SYSTEM HW-D-0024 (WALL PERPENDICULAR TO DECK FLUTES) OR HW-D-0029 (WALL PARALLEL TO DECK FLUTES)

SHAFT WALL - PER IBC 2012-SECTION 713.2
USE UL DESIGN U415, TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0549 (FLOOR OR ROOF DECK WITH FLUTES) OR HW-D-0480 (FLOOR OR ROOF DECK WITHOUT FLUTES)

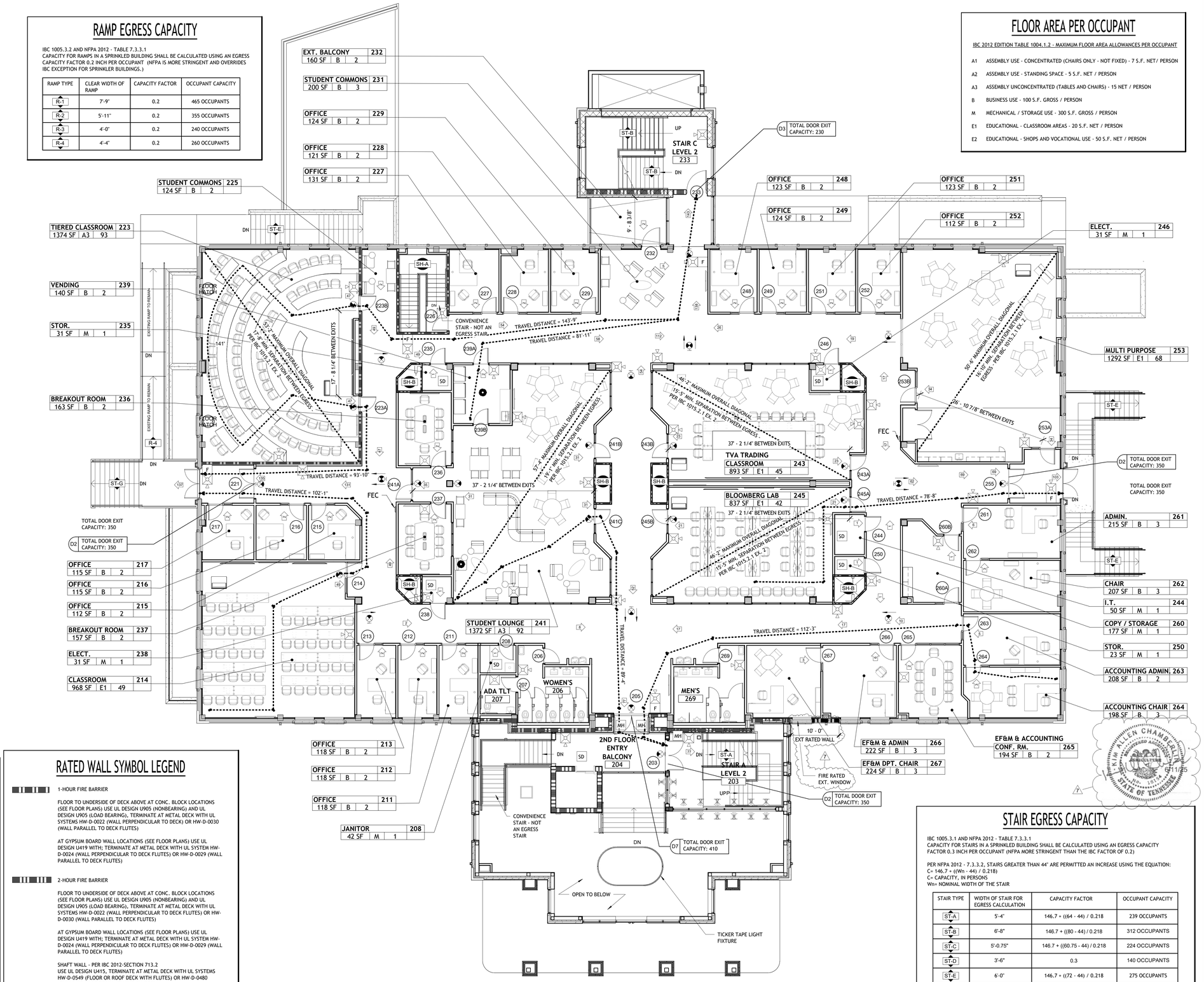
SMOKE PARTITION PER IBC 2012 SECTION 710 AND NFPA 8.3.4.2, WALL SHALL EXTEND TO DECK.

NOTES:
ALL INTERIOR WALLS SHALL EXTEND TO DECK ABOVE UNLESS NOTED OTHERWISE.

PROVIDE 3" HIGH, BRIGHT RED STENCILED LETTERS VISIBLE ABOVE CEILING AT ALL CHANGES IN DIRECTION AND AT 30' INTERVALS ALONG ALL RATED WALLS READING: " ___ HOUR FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS." (INCORPORATE CORRECT WALL DESIGNATIONS) FIRE WALLS SHALL BE STENCILED ON BOTH SIDES OF WALLS.

ATRIUM TRAVEL DISTANCE

IBC 2012 EDITION 404.9 - IN OTHER THAN THE LOWEST LEVEL OF THE ATRIUM. THE PORTION OF EXIT ACCESS TRAVEL DISTANCE WITHIN THE ATRIUM SPACE SHALL BE NOT GREATER THAN 200 FEET.



LIFE SAFETY PLAN - SECOND FLOOR

1/8" = 1'-0" — 0 1'2" 4' 8'

PLAN NORTH — TRUE NORTH

FLOOR AREA PER OCCUPANT

IBC 2012 EDITION TABLE 1004.1.2 - MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

A1	ASSEMBLY USE - CONCENTRATED (CHAIRS ONLY - NOT FIXED) - 7 S.F. NET/ PERSON
A2	ASSEMBLY USE - STANDING SPACE - 5 S.F. NET / PERSON
A3	ASSEMBLY UNCONCENTRATED (TABLES AND CHAIRS) - 15 NET / PERSON
B	BUSINESS USE - 100 S.F. GROSS / PERSON
M	MECHANICAL / STORAGE USE - 300 S.F. GROSS / PERSON
E1	EDUCATIONAL - CLASSROOM AREAS - 20 S.F. NET / PERSON
E2	EDUCATIONAL - SHOPS AND VOCATIONAL USE - 50 S.F. NET / PERSON

STAIR EGRESS CAPACITY

IBC 1005.3.1 AND NFPA 2012 - TABLE 7.3.3.1
CAPACITY FOR STAIRS IN A SPRINKLED BUILDING SHALL BE CALCULATED USING AN EGRESS CAPACITY FACTOR 0.3 INCH PER OCCUPANT (NFPA MORE STRINGENT THAN THE IBC FACTOR OF 0.2)

PER NFPA 2012 - 7.3.3.2, STAIRS GREATER THAN 44" ARE PERMITTED AN INCREASE USING THE EQUATION:
C= 146.7 + ((Wn - 44) / 0.218)
C= CAPACITY, IN PERSONS
Wn= NOMINAL WIDTH OF THE STAIR

STAIR TYPE	WIDTH OF STAIR FOR EGRESS CALCULATION	CAPACITY FACTOR	OCCUPANT CAPACITY
ST-A	5'-4"	146.7 + ((64 - 44) / 0.218	239 OCCUPANTS
ST-B	6'-8"	146.7 + ((80 - 44) / 0.218	312 OCCUPANTS
ST-C	5'-0.75"	146.7 + ((60.75 - 44) / 0.218	224 OCCUPANTS
ST-D	3'-6"	0.3	140 OCCUPANTS
ST-E	6'-0"	146.7 + ((72 - 44) / 0.218	275 OCCUPANTS
ST-F	3'-4"	0.3	134 OCCUPANTS
ST-G	9'-0"	146.7 + ((108 - 44) / 0.218	441 OCCUPANTS
ST-H	13'-5"	146.7 + ((161 - 44) / 0.218	684 OCCUPANTS

IBC 1005.3.1 AND NFPA 2012 - 7.3.1.4 - EXITS SERVING MORE THAN ONE STORY-
WHERE AN EXIT SERVES MORE THAN ONE STORY, ONLY THE OCCUPANT LOAD OF EACH STORY CONSIDERED INDIVIDUALLY SHALL BE USED IN COMPUTING THE REQUIRED CAPACITY OF THE EXIT AT THAT STORY.

IBC 1009.3 EXCEPTION 5 - EXIT ACCESS STAIRWAYS WITHIN AN ATRIUM COMPLYING WITH THE PROVISIONS OF SECTION 404 ARE NOT REQUIRED TO BE ENCLOSED.

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PROJECT
JOHNSON HALL RENOVATION - PKG 3
JOHNSON HALL RENOVATION & FOSTER DEMOLITION
SBC Nº 364/011-04-2022CM

LOCATION
COOKEVILLE, TN

OWNER
TENNESSEE TECH. UNIVERSITY

SEAL
KIM ALLEN CHAMBERLAIN — REGISTERED ARCHITECT — STATE OF TENNESSEE — 3/28/25

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NO.	DESCRIPTION	DATE
7	Addendum 3 - PKG 3	6-11-25

JOB NO. 22025

ISSUE DATE 3-28-25

SHEET TITLE
LIFE SAFETY PLAN - 2ND FLOOR

DRAWN CWD

REVIEW KAC

LS2.2

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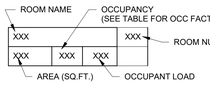
LIFE SAFETY SYMBOLS

0	INDICATES OCCUPANT LOAD AT EXIT
F	FIRE ALARM MANUAL PULL STATION - MOUNT 48" A.F.F.
FEC	FIRE EXTINGUISHER CABINET
FE	BRACKET MOUNTED FIRE EXTINGUISHER
	FIRE ALARM STROBE LIGHT - MOUNT 80" A.F.F., BUT NO CLOSER THAN 6" TO CEILING
	FIRE ALARM COMBINATION AUDIBLE/VISUAL UNIT - MOUNT 80" A.F.F., BUT NO CLOSER THAN 6" TO CEILING
MH	MAGNETIC HOLD OPEN DEVICE CONNECTED TO FIRE ALARM CONTROL PANEL
SD	SMOKE DETECTOR
HD	HEAT RISE DETECTOR
DD	DUCT DETECTOR
	SPRINKLER WALL WASH HEADS PER ICC-ES ESR-2397. APPLICABLE FOR FIRE BARRIERS AND EXTERIOR WALL FOR UP TO 2-HOUR FIRE RESISTANCE RATING (ICC-ES ESR-2397 3.1, 5.3). COORDINATE WITH FIRE PROTECTION DRAWINGS.
"FACP"	FIRE ALARM CONTROL PANEL - PROVIDED WITH BATTERY BACKUP PER NFPA REQUIREMENTS
"FAA"	FIRE ALARM ANNUCIATOR PANEL - PROVIDED WITH BATTERY BACKUP PER NFPA REQUIREMENTS.
D1	DOOR EXIT REQUIREMENT CALCULATIONS - SEE DOOR CAPACITY LEGEND
	EXIT SIGN - SINGLE OR DOUBLE FACE, WALL OR CLG. MOUNTED,AS INDICATED BY SYMBOL. DIRECTIONAL ARROWS SHALL BE PROVIDED AS SHOWN. EXIT SIGN SHALL BE ON THE LIFE-SAFETY CIRCUIT OF THE GENERATOR FOR OPERATION DURING LOSS OF NORMAL BUILDING POWER
	EXTERIOR EMERGENCY LIGHTING UNIT



GENERAL NOTES:
- COORDINATE WITH ELECTRICAL DRAWINGS FOR LOCATIONS OF EMERGENCY LIGHTS, EXIT SIGNS, FIRE ALARM PULL STATIONS, STROBES, AND SMOKE DETECTORS.
- COORDINATE W/ UL SHEETS FOR RATED WALLS' DETAILS.
- COORDINATE W/ MECHANICAL DRAWINGS FOR DAMPERS AND THRU-WALL DETAILS.

DOOR CAPACITY LEGEND

DOOR CAPACITY BASED ON IBC 2012 TABLE 1005.1 AND NFPA TABLE 7.3.3.1 - WITH SPRINKLER SYSTEM

D1	SINGLE 36" DOOR 34" / EXIT = 170 PERSONS / EXIT 0.2" / PERSON 1 DOOR X 170 PERSONS = 170 PERSON EXIT CAPACITY	
D2	DOUBLE 36" DOOR 35" / EXIT = 175 PERSONS / EXIT 0.2" / PERSON 2 DOORS X 175 PERSONS = 350 PERSON EXIT CAPACITY	
D3	SINGLE 48" DOOR 46" / EXIT = 230 PERSONS / EXIT 0.2" / PERSON 1 DOOR X 230 PERSONS = 230 PERSON EXIT CAPACITY	
D4	DOUBLE 30" DOOR 29" / EXIT = 145 PERSONS / EXIT 0.2" / PERSON 2 DOORS X 145 PERSONS = 290 PERSON EXIT CAPACITY	
D5	SINGLE 42" DOOR 40" / EXIT = 200 PERSONS / EXIT 0.2" / PERSON 1 DOOR X 200 PERSONS = 200 PERSON EXIT CAPACITY	
D6	SINGLE 32" DOOR 30" / EXIT = 150 PERSONS / EXIT 0.2" / PERSON 1 DOOR X 150 PERSONS = 150 PERSON EXIT CAPACITY	
D7	DOUBLE 42" DOOR 41" / EXIT = 205 PERSONS / EXIT 0.2" / PERSON 2 DOORS X 205 PERSONS = 410 PERSON EXIT CAPACITY	

SHAFT WALLS GENERAL NOTES

IBC 713.2 - SHAFT ENCLOSURES SHALL BE CONSTRUCTED AS FIRE BARRIERS IN ACCORDANCE WITH SECTION 707 OR HORIZONTAL ASSEMBLIES IN ACCORDANCE WITH SECTION 711, OR BOTH.

IBC 713.4 - SHAFT ENCLOSURES SHALL HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN 2 HOURS WHERE CONNECTING FOUR STORIES OR MORE, AND NOT LESS THAN 1 HOUR WHERE CONNECTING LESS THAN FOUR STORIES. THE NUMBER OF STORIES CONNECTED BY THE SHAFT ENCLOSURE SHALL INCLUDE ANY BASEMENTS BUT NOT ANY MEZZANINES. SHAFT ENCLOSURES SHALL HAVE A FIRE-RESISTANCE RATING NOT LESS THAN THE FLOOR ASSEMBLY PENETRATED, BUT NEED NOT EXCEED 2 HOURS. SHAFT ENCLOSURES SHALL MEET THE REQUIREMENTS OF SECTION 703.2.1.

IBC 713.8 - PENETRATIONS IN A SHAFT ENCLOSURE SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 714 AS REQUIRED FOR FIRE BARRIERS. STRUCTURAL ELEMENTS, SUCH AS BEAMS OR JOIST, WHERE PROTECTED IN ACCORDANCE WITH SECTION 714 SHALL BE PERMITTED TO PENETRATE A SHAFT ENCLOSURE.

IBC 713.10 - PENETRATIONS OF SHAFT ENCLOSURES BY DUCTS AND AIR TRANSFER OPENINGS SHALL COMPLY WITH SECTION 717.

IBC 713.11 - SHAFTS THAT DO NOT EXTEND TO THE BOTTOM OF THE BUILDING OR STRUCTURE - SHALL COMPLY WITH ONE OF THE FOLLOWING.
1. THEY NEED TO BE ENCLOSED AT THE LOWEST LEVEL WITH A FIRE-RESISTANT RATING AS THE LOWEST FLOOR BUT NOT LESS THAN THE SHAFT RATING.
2. THEY CAN TERMINATE AT A ROOM WITH A RELATED PURPOSE OF THE SHAFT, AND THAT ROOM SHALL BE SEPARATED FROM THE REST OF THE BUILDING BY A FIRE-RESISTANT RATING AT LEAST EQUAL TO THE SHAFT RATING.
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IBC 713.12 - SHAFTS THAT DO NOT EXTEND TO THE UNDERSIDE OF ROOF SHEATHING, DECK OR SLAB OF THE BUILDING SHALL BE ENCLOSED AT THE TOP WITH CONSTRUCTION OF THE SAME FIRE-RESISTANCE RATING AS THE TOPMOST FLOOR PENETRATED BY THE SHALL, BUT NOT LESS THAN THE FIRE-RESISTANCE RATING REQUIRED FOR THE SHAFT ENCLOSURE.

SHAFT TYPE	NUMBER OF FLOORS CONNECTED	REQUIRED RATING
SH-A	2	1 HOUR
SH-B	4	2 HOUR

RATED WALL SYMBOL LEGEND

1-HOUR FIRE BARRIER

FLOOR TO UNDERSIDE OF DECK ABOVE AT CONC. BLOCK LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U905 (NONBEARING) AND UL DESIGN U905 (LOAD BEARING), TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0022 (WALL PERPENDICULAR TO DECK) OR HW-D-0030 (WALL PARALLEL TO DECK FLUTES)

AT GYPSUM BOARD WALL LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U419 WITH; TERMINATE AT METAL DECK WITH UL SYSTEM HW-D-0024 (WALL PERPENDICULAR TO DECK FLUTES) OR HW-D-0029 (WALL PARALLEL TO DECK FLUTES)

2-HOUR FIRE BARRIER

FLOOR TO UNDERSIDE OF DECK ABOVE AT CONC. BLOCK LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U905 (NONBEARING) AND UL DESIGN U905 (LOAD BEARING), TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0022 (WALL PERPENDICULAR TO DECK FLUTES) OR HW-D-0030 (WALL PARALLEL TO DECK FLUTES)

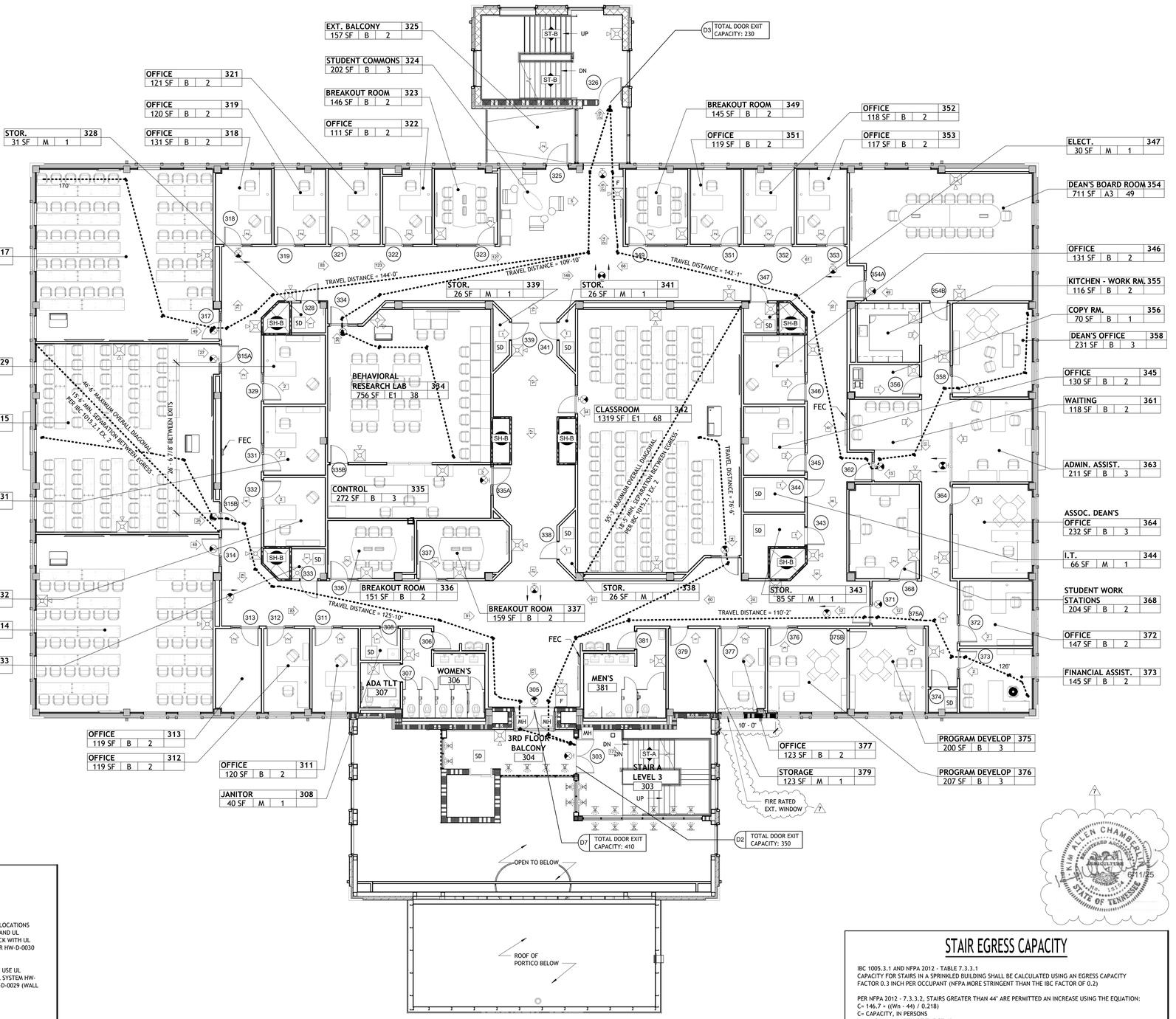
AT GYPSUM BOARD WALL LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U419 WITH; TERMINATE AT METAL DECK WITH UL SYSTEM HW-D-0024 (WALL PERPENDICULAR TO DECK FLUTES) OR HW-D-0029 (WALL PARALLEL TO DECK FLUTES)

SHAFT WALL - PER IBC 2012-SECTION 713.2
USE UL DESIGN U415, TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0549 (FLOOR OR ROOF DECK WITH FLUTES) OR HW-D-0480 (FLOOR OR ROOF DECK WITHOUT FLUTES)

SMOKE PARTITION PER IBC 2012 SECTION 710 AND NFPA 8.3.4.2, WALL SHALL EXTEND TO DECK.

NOTES:
ALL INTERIOR WALLS SHALL EXTEND TO DECK ABOVE UNLESS NOTED OTHERWISE.

PROVIDE 3" HIGH, BRIGHT RED STENCILED LETTERS VISIBLE ABOVE CEILING AT ALL CHANGES IN DIRECTION AND AT 30' INTERVALS ALONG ALL RATED WALLS READING: " ___ HOUR FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS." (INCORPORATE CORRECT WALL DESIGNATIONS) FIRE WALLS SHALL BE STENCILED ON BOTH SIDES OF WALLS.



LIFE SAFETY PLAN - THIRD FLOOR

1/8" = 1'-0"

N PLAN NORTH

TRUE NORTH

FLOOR AREA PER OCCUPANT

IBC 2012 EDITION TABLE 1004.1.2 - MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

A1	ASSEMBLY USE - CONCENTRATED (CHAIRS ONLY - NOT FIXED) - 7 S.F. NET/ PERSON
A2	ASSEMBLY USE - STANDING SPACE - 5 S.F. NET / PERSON
A3	ASSEMBLY UNCONCENTRATED (TABLES AND CHAIRS) - 15 NET / PERSON
B	BUSINESS USE - 100 S.F. GROSS / PERSON
M	MECHANICAL / STORAGE USE - 300 S.F. GROSS / PERSON
E1	EDUCATIONAL - CLASSROOM AREAS - 20 S.F. NET / PERSON
E2	EDUCATIONAL - SHOPS AND VOCATIONAL USE - 50 S.F. NET / PERSON

ATRIUM TRAVEL DISTANCE

IBC 2012 EDITION 404.9 - IN OTHER THAN THE LOWEST LEVEL OF THE ATRIUM. THE PORTION OF EXIT ACCESS TRAVEL DISTANCE WITHIN THE ATRIUM SPACE SHALL BE NOT GREATER THAN 200 FEET.

STAIR EGRESS CAPACITY

IBC 1005.3.1 AND NFPA 2012 - TABLE 7.3.3.1
CAPACITY FOR STAIRS IN A SPRINKLED BUILDING SHALL BE CALCULATED USING AN EGRESS CAPACITY FACTOR 0.3 INCH PER OCCUPANT (NFPA MORE STRINGENT THAN THE IBC FACTOR OF 0.2)

PER NFPA 2012 - 7.3.3.2, STAIRS GREATER THAN 44" ARE PERMITTED AN INCREASE USING THE EQUATION:
C= 146.7 + ((Wn - 44) / 0.218)
C= CAPACITY, IN PERSONS
Wn= NOMINAL WIDTH OF THE STAIR

STAIR TYPE	WIDTH OF STAIR FOR EGRESS CALCULATION	CAPACITY FACTOR	OCCUPANT CAPACITY
ST-A	5'-4"	146.7 + ((64 - 44) / 0.218	239 OCCUPANTS
ST-B	6'-8"	146.7 + ((80 - 44) / 0.218	312 OCCUPANTS
ST-C	5'-0.75"	146.7 + ((60.75 - 44) / 0.218	224 OCCUPANTS
ST-D	3'-6"	0.3	140 OCCUPANTS
ST-E	6'-0"	146.7 + ((72 - 44) / 0.218	275 OCCUPANTS
ST-F	3'-4"	0.3	134 OCCUPANTS
ST-G	9'-0"	146.7 + ((108 - 44) / 0.218	441 OCCUPANTS
ST-H	13'-5"	146.7 + ((161 - 44) / 0.218	684 OCCUPANTS

IBC 1005.3.1 AND NFPA 2012 - 7.3.1.4 - EXITS SERVING MORE THAN ONE STORY:
WHERE AN EXIT SERVES MORE THAN ONE STORY, ONLY THE OCCUPANT LOAD OF EACH STORY CONSIDERED INDIVIDUALLY SHALL BE USED IN COMPUTING THE REQUIRED CAPACITY OF THE EXIT AT THAT STORY.

IBC 1009.3 EXCEPTION 5 - EXIT ACCESS STAIRWAYS WITHIN AN ATRIUM COMPLYING WITH THE PROVISIONS OF SECTION 404 ARE NOT REQUIRED TO BE ENCLOSED.

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PROJECT
JOHNSON HALL RENOVATION - PKG 3
JOHNSON HALL RENOVATION & FOSTER DEMOLITION
SBC Nº 364/011-04-2022CM

LOCATION
COOKEVILLE, TN

OWNER
TENNESSEE TECH. UNIVERSITY

SEAL
KEVIN ALLEN CHAMBERLAIN
REGISTERED ARCHITECT
AGRICULTURE
TECHNOLOGY
INC. 1914
STATE OF TENNESSEE
3-28-25

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NO.	DESCRIPTION	DATE
7	Addendum 3 - PKG 3	6-11-25

JOB NO. 22025

ISSUE DATE 3-28-25

SHEET TITLE
LIFE SAFETY PLAN - 3RD FLOOR

DRAWN CWD

REVIEW KAC

LS2.3

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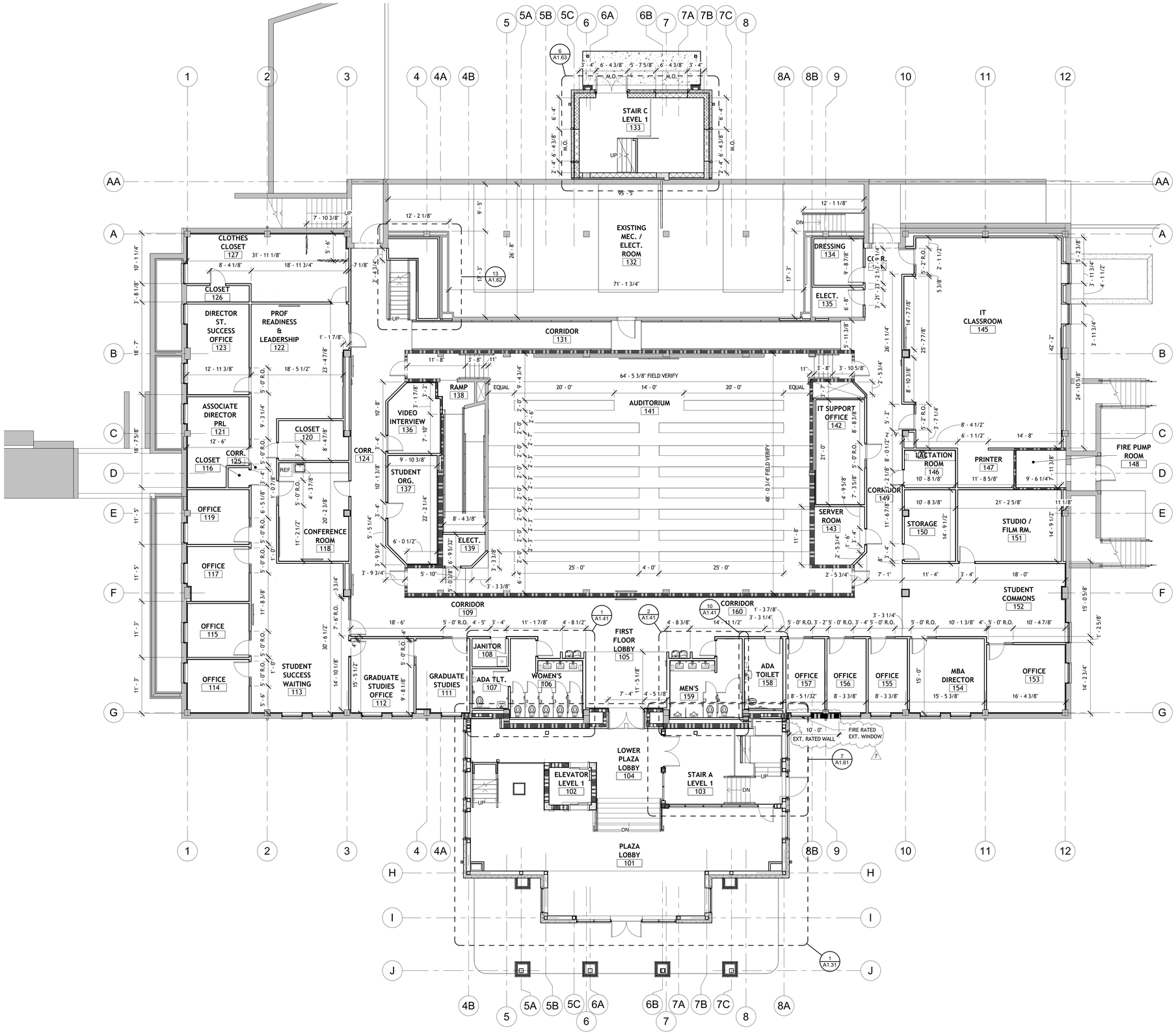

FIRST FLOOR RENOVATION - DIMENSIONS

1/8" = 1'-0"

PLAN NORTH TRUE NORTH

DIMENSION PLAN NOTES

GENERAL NOTES

- FIELD VERIFY ALL DIMENSIONS. THE DIMENSIONS ARE BASED ON FURRING AND STUDS BUILT ON EXISTING WALLS AND COLUMNS. FIELD VERIFY LOCATIONS OF EXISTING WALLS AND COLUMNS TO REMAIN. COORDINATE WITH WALL TYPES FOR WALL AND FURRING SIZES. NOTIFY DESIGNER IMMEDIATELY IF THERE ARE ANY DISCREPANCIES BASED ON FIELD VERIFIED EXISTING ELEMENTS.
- ROUGH OPENINGS FOR STOREFRONT DOORS WITH SIDELITES ARE SHOWN. COORDINATE WITH DOOR FRAME, DOOR DETAILS, AND MANUFACTURER FOR REQUIRED SHIM SIZES.
- FIELD VERIFY DIMENSIONS AND SIZES OF EXISTING FURNITURE TO RECEIVE NEW COUNTERTOPS. NEW COUNTERTOPS TO BE THE SAME SIZE AS THE EXISTING TO BE REPLACED.
- COORDINATE WITH ENLARGED PLANS FOR DIMENSIONS FOR TOILET ROOMS AND OTHER SMALL SPACES.
- COORDINATE WITH STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR DIMENSIONS ON THEIR PORTION OF THE WORK.

RATED WALL SYMBOL LEGEND

1-HOUR FIRE BARRIER

FLOOR TO UNDERSIDE OF DECK ABOVE AT CONC. BLOCK LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U905 (NONBEARING) AND UL DESIGN U905 (LOAD BEARING), TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0022 (WALL PERPENDICULAR TO DECK) OR HW-D-0030 (WALL PARALLEL TO DECK FLUTES)

AT GYPSUM BOARD WALL LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U419 WITH; TERMINATE AT METAL DECK WITH UL SYSTEM HW-D-0024 (WALL PERPENDICULAR TO DECK FLUTES) OR HW-D-0029 (WALL PARALLEL TO DECK FLUTES)

2-HOUR FIRE BARRIER

FLOOR TO UNDERSIDE OF DECK ABOVE AT CONC. BLOCK LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U905 (NONBEARING) AND UL DESIGN U905 (LOAD BEARING), TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0022 (WALL PERPENDICULAR TO DECK FLUTES) OR HW-D-0030 (WALL PARALLEL TO DECK FLUTES)

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SHAFT WALL - PER IBC 2012-SECTION 713.2
USE UL DESIGN U415, TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0549 (FLOOR OR ROOF DECK WITH FLUTES) OR HW-D-0480 (FLOOR OR ROOF DECK WITHOUT FLUTES)

SMOKE PARTITION PER IBC 2012 SECTION 710 AND NFPA 8.3.4.2, WALL SHALL EXTEND TO DECK.

NOTES:
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PROVIDE 3" HIGH, BRIGHT RED STENCILED LETTERS VISIBLE ABOVE CEILING AT ALL CHANGES IN DIRECTION AND AT 30' INTERVALS ALONG ALL RATED WALLS READING: "___ HOUR FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS." (INCORPORATE CORRECT WALL DESIGNATIONS) FIRE WALLS SHALL BE STENCILED ON BOTH SIDES OF WALLS.

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PROJECT
JOHNSON HALL RENOVATION - PKG 3
JOHNSON HALL RENOVATION & FOSTER DEMOLITION
SBC Nº 364/011-04-2022CM

LOCATION
COOKEVILLE, TN

OWNER
TENNESSEE TECH. UNIVERSITY

SEAL
KIM ALLEN CHAMBERLAIN — REGISTERED ARCHITECT — STATE OF TENNESSEE
6/11/25

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NO.	DESCRIPTION	DATE
7	Addendum 3 - PKG 3	6-11-25

JOB NO. 22025

ISSUE DATE 3-28-25

SHEET TITLE FIRST FLOOR - DIMENSIONS

DRAWN CWD

REVIEW KAC

A1.1D

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FLOOR PLAN KEYNOTES

KEYNOTES SHOWN ARE NOT PARTICULAR TO THIS SHEET. REFER TO FLOOR PLAN FOR SCOPE ITEMS.

A. PROVIDE POWER/DATA AND IN-WALL BLOCKING FOR WALL-HUNG OVERSIZED LED SCREEN; EQUIPMENT PROVIDED AND INSTALLED PROVIDED BY OWNER

B. 4' TALL x 6' WIDE WALL HUNG GLASS DRY-ERASE MARKERBOARD - NON-GLARE OPTION. INVISIBLE MOUNT OPTION.

C. 4' TALL X 4' WIDE WALL HUNG GLASS DRY-ERASE MARKERBOARD - NON-GLARE OPTION. INVISIBLE MOUNT OPTION.

D. WALK OFF ENTRANCE MAT PER SPEC WITH LOGO.

E. PROVIDE ADDITIONAL BLOCKING FROM FLOOR TO ACOUSTIC CEILING TILE HEIGHT AS DIRECTED BY OWNER. PROVIDE 250 LINEAR FEET OF BLOCKING TO BE PLACED IN THIS SPACE.

F. PROVIDE POWER / DATA & IN-WALL BLOCKING FOR WALL HUNG TV / MONITOR; EQUIP BY OTHERS.

G. PROVIDE POWER / DATA & IN-WALL BLOCKING FOR DIGITAL SIGNAGE AT 5'-0" AFF; SIGNAGE BY OWNER.

H. PROVIDE CEILING HUNG PRIVACY CURTAINS.

I. SOUND PROOFING REQUIREMENTS FOR WALLS AND CEILINGS.

J. LARGE FORMAT TV - BY OWNER . PROVIDE POWER/DATA & IN-WALL BLOCKING.

K. PROVIDE NEW FOUNDATION DRAIN TILE; CONNECT TO STORM SEWER

L. PROVIDE J-BOX AT CEILING LEVEL WITH POWER/DATA FOR DIGITAL SIGNAGE PROJECTOR.

M. HALLWAY GRAPHICS DISPLAY

N. NEW FIXED CLASSROOM DESKS PROVIDE NEW POWER AND DATA HOOKUPS AT ALL DESKTOPS.

O. PROVIDE POWER / DATA FOR DISPLAY CASE AND DEPARTMENT SIGNAGE PROVIDED BY OWNER.

P. PROVIDE POWER FOR HARDWIRED ANALOG WALL CLOCK ON A SYNCHRONIZED TIME SYSTEM.

Q. REPLACE EXISTING TIERED DESK(S) WITH NEW. PROVIDE POWER AND DATA FOR ALL TABLE TOP SEATING.

R. PROVIDE IN-FILL WALL TO MATCH EXISTING; COORDINATE WORK WITH DEMOLITION PLAN

S. PROVIDE POWER AND DATA FOR VIDEO CONFERENCE CAMERA AND LECTERN RECORDING DEVICES.

T. PROVIDE POWER AND HOOKUP FOR MICROPHONE. (COORDINATE REQUIREMENTS WITH OWNER'S REPRESENTATIVE)

U. PRESSURE WASH WITH A MILD DETERGENT EXISTING WINDOW WELLS AND SNAKE ALL EXISTING AREA DRAINS AND/OR CLEANOUTS FOR WELLS. INCLUDE WINDOW WELL TOP OF WALL.

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X. PATCH AND REPAIR, CLEAN & REPOINT EXISTING MASONRY WALL. RE-USE EXISTING PRECAST WALL CAP TO CAP TOP OF WALL. PROVIDE NEW STONE CAP TO MATCH EXISTING AS NEEDED TO COMPLETE WORK.

Y. METAL CATWALK W/ GUARDRAIL HUNG FROM EXISTING STRUCTURE ABOVE IN EXISTING ATTIC SPACE. SUBJECT TO ALTERNATE #1.

Z. ELECTRICAL WALL OUTLETS AT 10ft O.C. ALONG THREE WALLS IN MULTIPURPOSE ROOM

AA. PROVIDE NEW DECORATIVE ALUMINUM GUARDRAIL AT END OF TIERED SEATING.

BB. PROVIDE CEILING HUNG DROP DOWN PROJECTOR SCREEN AND POWER/DATA FOR CEILING HUNG PROJECTOR; PROJECTOR PROVIDED AND INSTALLED BY OWNER.

CC. NEW CONCRETE FLOOR AT LEVEL OF EXISTING EXTERIOR SIDEWALK. FIELD VERIFY F.F.E. RELATIVE TO REST OF SURROUNDING FLOOR. COORDINATE WITH M,P,& E FOR PROTECTION EQUIPMENT AND HOUSEKEEPING PADS.

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FF. TENNESSEE TECH COLLEGE OF BUSINESS LOGO IN THE WALK OFF MAT - TWO COLORS - SEE DETAIL 2 /A1.21

GG. NEW 3/4" SUBFLOOR ON RISERS. COORDINATE WITH FIELD CONDITIONS AND EXISTING SUBFLOOR STRUCTURE TO REMAIN.

HH. EXISTING WALLS TO REMAIN. COORDINATE WITH PORTION OF EXISTING CONCRETE MEZZANINE FLOOR ABOVE TO REMAIN.

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2-HOUR FIRE BARRIER

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SYMBOLS AND ABBREV. NOTES

CG	CORNER GUARD - SEE DETAIL 13 /GN1.2
CJ	CONTROL JOINT - GYPSUM BOARD - REFER TO DETAILS 1 /GN1.2 , 2 /GN1.2 , AND 4 /GN1.2
	CONTROL JOINT - CONCRETE BLOCK - REFER TO DETAILS 11 /GN1.2 AND 12 /GN1.2
EJ	EXPANSION JOINT W/ COVER - (SEE SPECIFICATIONS, COORDINATE WITH STRUCTURAL)
MB	MARKER BOARD - (SEE SPECIFICATIONS)
EDF	ELECTRIC DRINKING FOUNTAIN - REFER TO PLUMBING
EPS	ELECTRIC PROJECTOR SCREEN - SEE ELECTRICAL
FD	FLOOR DRAIN - REFER TO PLUMBING - SLOPE FLOORING TOWARDS FLOOR DRAIN
	WALL TYPE TAG - REFER TO WALL TYPE LEGEND
	EXISTING WALL TO REMAIN - FIELD VERIFY THICKNESS, LOCATION, AND CONDITIONS

FLOOR PLAN GENERAL NOTES

1. PROVIDE AND INSTALL BULLNOSE CONCRETE BLOCK CORNERS AT ALL OUTSIDE CORNERS OF CONCRETE BLOCK WALLS. REFER TO DETAILS 7 /GN1.2 AND 8 /GN1.2 FOR MORE INFORMATION.
2. PROVIDE CORNER GUARDS AT ALL OUTSIDE GYPSUM BOARD CORNERS IN STUDENT OCCUPIED SPACES (CLASSROOMS, LIBRARY, CAFETERIA, CORRIDORS, GYM AND MULTIPURPOSE, ETC.) COORDINATE WITH WALL TYPES FOR LOCATIONS OF GYPSUM BARD WALLS.
3. PROVIDE AND INSTALL WOOD BLOCKING IN METAL STUD WALLS AS REQUIRED TO INSTALL WALL MOUNTED EQUIPMENT. PROVIDE AND INSTALL AN ADDITIONAL 500 LINEAR FEET AS DIRECTED BY OWNER IN THE FIELD.
4. REFER TO ARCHITECTURAL AND STRUCTURAL WALL SECTIONS AND DETAILS FOR MORE DETAILED DESCRIPTIONS OF EACH WALL TYPES CONSTRUCTIONS.
5. WALLS NOTED TO BE SOUND WALLS SHALL EXTEND TO FLOOR DECK OR ROOF DECK, BE AIR TIGHT AND BE FILLED WITH SOUND BATT INSULATION.

FIRST FLOOR RENOVATION - NOTATION

1/8" = 1'-0"

PLAN NORTH TRUE NORTH

FLOOR PLAN - CHILLER ROOM

1/8" = 1'-0"

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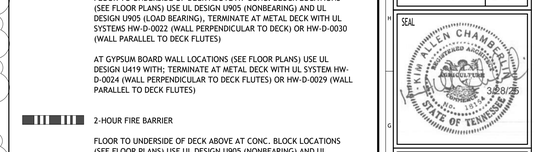
PROJECT
JOHNSON HALL RENOVATION - PKG 3
JOHNSON HALL RENOVATION & FOSTER DEMOLITION
SBC Nº 364/011-04-2022CM

LOCATION
COOKEVILLE, TN

OWNER
TENNESSEE TECH. UNIVERSITY

SEAL



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NO.	DESCRIPTION	DATE
4	Addendum 1 - PKG 3	5-16-25
7	Addendum 3 - PKG 3	6-11-25

JOB NO.
22025

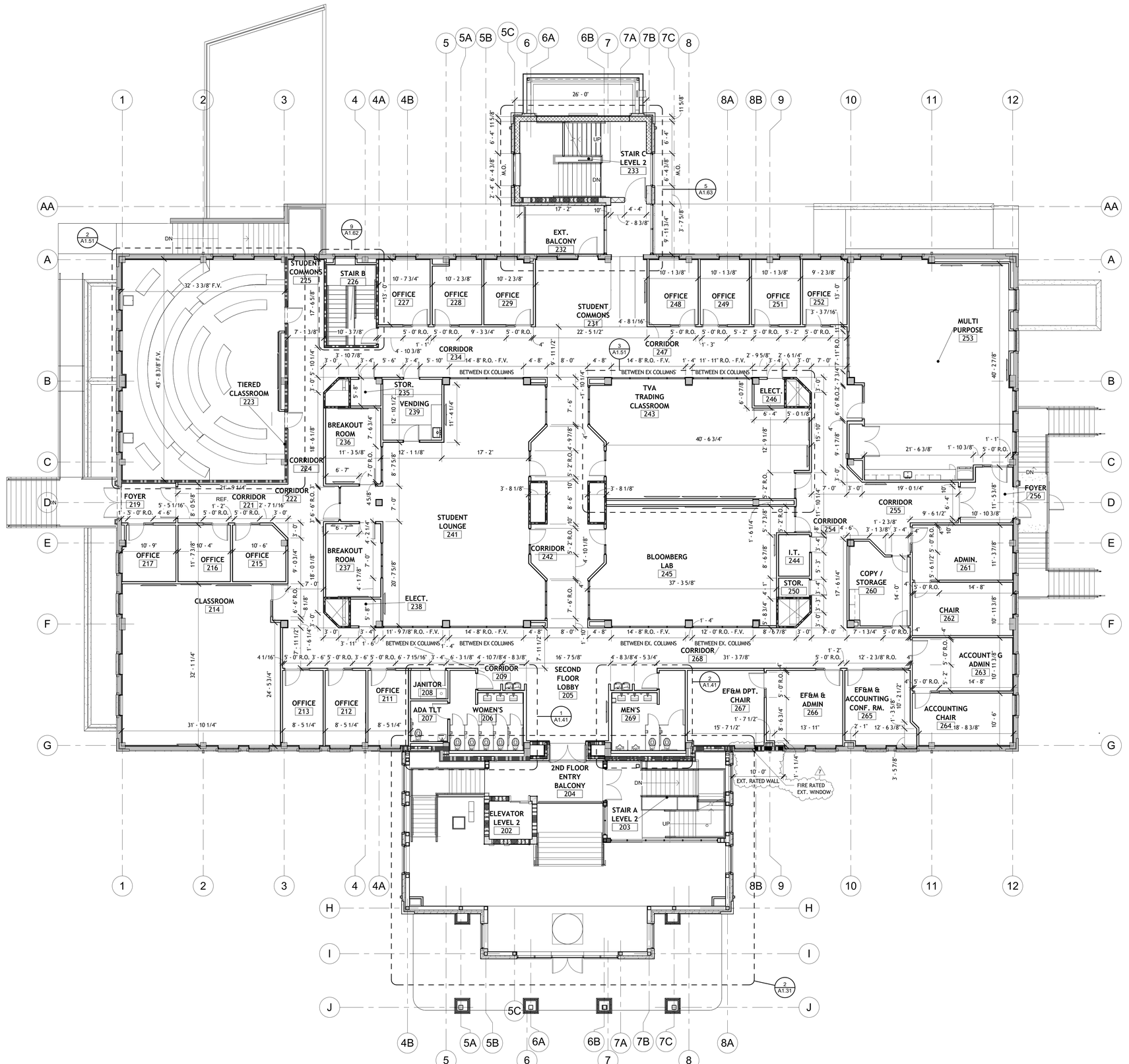
ISSUE DATE
3-28-25

SHEET TITLE
FIRST FLOOR - NOTATIONS

DRAWN
CWD

REVIEW
KAC

A1.1N



SECOND FLOOR RENOVATION - DIMENSIONS

1/8" = 1'-0"

0 1'2" 4' 8'

PLAN NORTH TRUE NORTH

DIMENSION PLAN NOTES

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JOHNSON HALL RENOVATION & FOSTER DEMOLITION
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LOCATION
COOKEVILLE, TN

OWNER
TENNESSEE TECH. UNIVERSITY

SEAL

KEVIN ALLEN CHAMBERLAIN — REGISTERED ARCHITECT — No. 19154 — STATE OF TENNESSEE — 6/11/25

NO.	DESCRIPTION	DATE
7	Addendum 3 - PKG 3	6-11-25

JOB NO.
22025

ISSUE DATE
3-28-25

SHEET TITLE
SECOND FLOOR - DIMENSIONS

DRAWN
CWD

REVIEW
KAC

A1.2D

2ND FLR RENOVATION - NOTATIONS

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PLAN NORTH TRUE NORTH

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MB	MARKER BOARD - (SEE SPECIFICATIONS)
EDF	ELECTRIC DRINKING FOUNTAIN - REFER TO PLUMBING
EPS	ELECTRIC PROJECTOR SCREEN - SEE ELECTRICAL
FD	FLOOR DRAIN - REFER TO PLUMBING - SLOPE FLOORING TOWARDS FLOOR DRAIN
	WALL TYPE TAG - REFER TO WALL TYPE LEGEND
	EXISTING WALL TO REMAIN - FIELD VERIFY THICKNESS, LOCATION, AND CONDITIONS

RATED WALL SYMBOL LEGEND

1-HOUR FIRE BARRIER

FLOOR TO UNDERSIDE OF DECK ABOVE AT CONC. BLOCK LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U905 (NONBEARING) AND UL DESIGN U905 (LOAD BEARING), TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0022 (WALL PERPENDICULAR TO DECK) OR HW-D-0030 (WALL PARALLEL TO DECK FLUTES)

AT GYPSUM BOARD WALL LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U419 WITH; TERMINATE AT METAL DECK WITH UL SYSTEM HW-D-0024 (WALL PERPENDICULAR TO DECK FLUTES) OR HW-D-0029 (WALL PARALLEL TO DECK FLUTES)

2-HOUR FIRE BARRIER

FLOOR TO UNDERSIDE OF DECK ABOVE AT CONC. BLOCK LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U905 (NONBEARING) AND UL DESIGN U905 (LOAD BEARING), TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0022 (WALL PERPENDICULAR TO DECK FLUTES) OR HW-D-0030 (WALL PARALLEL TO DECK FLUTES)

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SHAFT WALL - PER IBC 2012-SECTION 713.2
USE UL DESIGN U415, TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0549 (FLOOR OR ROOF DECK WITH FLUTES) OR HW-D-0480 (FLOOR OR ROOF DECK WITHOUT FLUTES)

SMOKE PARTITION PER IBC 2012 SECTION 710 AND NFPA 8.3.4.2, WALL SHALL EXTEND TO DECK.

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PROVIDE 3" HIGH, BRIGHT RED STENCILED LETTERS VISIBLE ABOVE CEILING AT ALL CHANGES IN DIRECTION AND AT 30' INTERVALS ALONG ALL RATED WALLS READING: " ___ HOUR FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS." (INCORPORATE CORRECT WALL DESIGNATIONS) FIRE WALLS SHALL BE STENCILED ON BOTH SIDES OF WALLS.

FLOOR PLAN GENERAL NOTES

1. PROVIDE AND INSTALL BULLNOSE CONCRETE BLOCK CORNERS AT ALL OUTSIDE CORNERS OF CONCRETE BLOCK WALLS. REFER TO DETAILS 7 /GN1.2 AND 8 /GN1.2 FOR MORE INFORMATION.
2. PROVIDE CORNER GUARDS AT ALL OUTSIDE GYPSUM BOARD CORNERS IN STUDENT OCCUPIED SPACES (CLASSROOMS, LIBRARY, CAFETERIA, CORRIDORS, GYM AND MULTIPURPOSE, ETC.) COORDINATE WITH WALL TYPES FOR LOCATIONS OF GYPSUM BARD WALLS.
3. PROVIDE AND INSTALL WOOD BLOCKING IN METAL STUD WALLS AS REQUIRED TO INSTALL WALL MOUNTED EQUIPMENT. PROVIDE AND INSTALL AN ADDITIONAL 500 LINEAR FEET AS DIRECTED BY OWNER IN THE FIELD.
4. REFER TO ARCHITECTURAL AND STRUCTURAL WALL SECTIONS AND DETAILS FOR MORE DETAILED DESCRIPTIONS OF EACH WALL TYPES CONSTRUCTIONS.
5. WALLS NOTED TO BE SOUND WALLS SHALL EXTEND TO FLOOR DECK OR ROOF DECK, BE AIR TIGHT AND BE FILLED WITH SOUND BATT INSULATION.

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W&O Construction
150 Construction Drive, Livingston, TN 38570, Ph. (931) 403-1000, www.wocc.com

PROJECT
JOHNSON HALL RENOVATION - PKG 3
JOHNSON HALL RENOVATION & FOSTER DEMOLITION
SBC Nº 364/011-04-2022CM

LOCATION
COOKEVILLE, TN

OWNER
TENNESSEE TECH. UNIVERSITY

SEAL

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7	Addendum 3 - PKG 3	6-11-25

JOB NO. 22025

ISSUE DATE 3-28-25

SHEET TITLE
SECOND FLOOR - NOTATIONS

DRAWN CWD

REVIEW KAC

A1.2N

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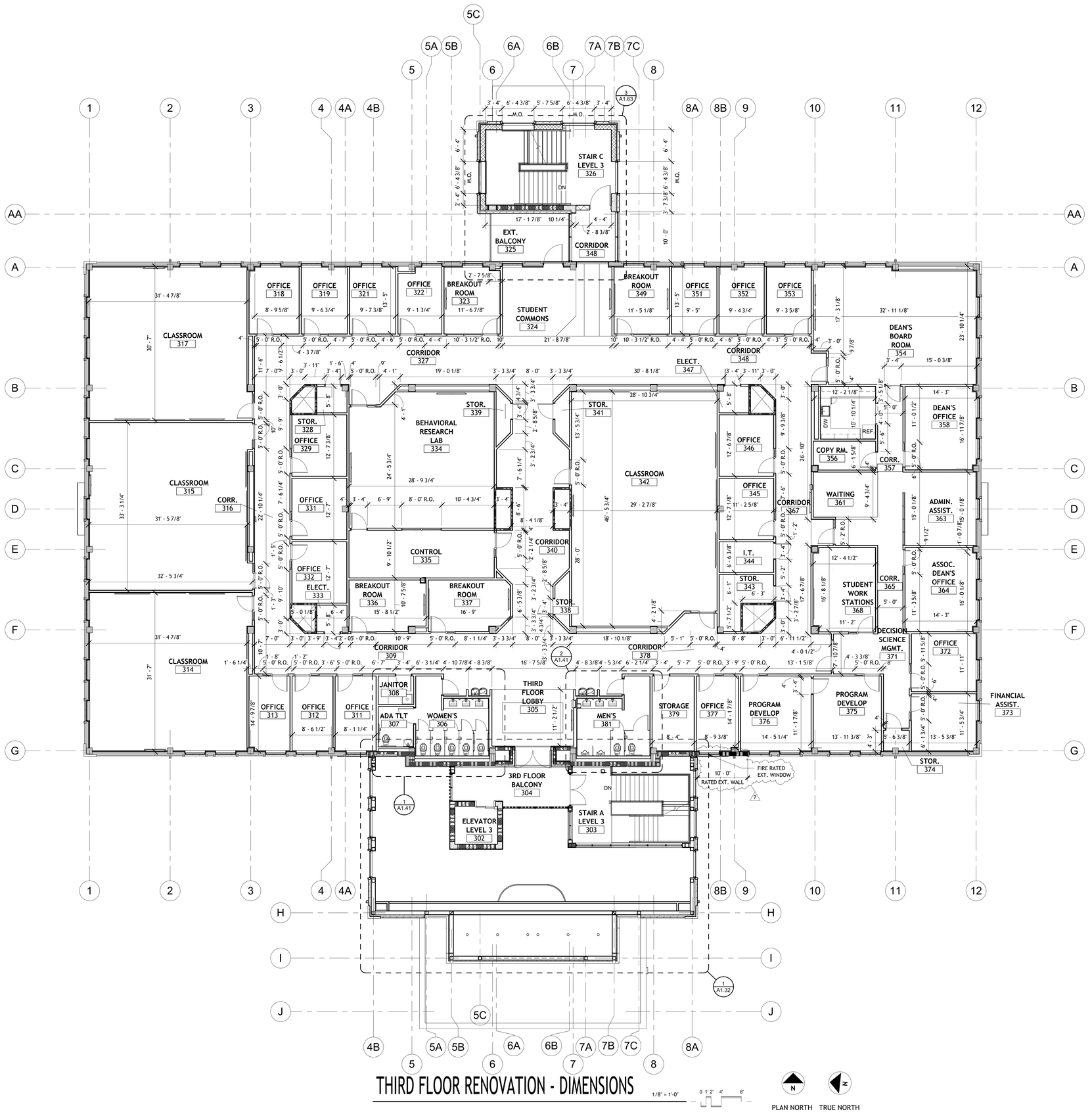

THIRD FLOOR RENOVATION - DIMENSIONS

1/8" = 1'-0"

PLAN NORTH TRUE NORTH

DIMENSION PLAN NOTES

GENERAL NOTES

- FIELD VERIFY ALL DIMENSIONS. THE DIMENSIONS ARE BASED ON FURRING AND STUDS BUILT ON EXISTING WALLS AND COLUMNS. FIELD VERIFY LOCATIONS OF EXISTING WALLS AND COLUMNS TO REMAIN. COORDINATE WITH WALL TYPES FOR WALL AND FURRING SIZES. NOTIFY DESIGNER IMMEDIATELY IF THERE ARE ANY DISCREPANCIES BASED ON FIELD VERIFIED EXISTING ELEMENTS.
- ROUGH OPENINGS FOR STOREFRONT DOORS WITH SIDELITES ARE SHOWN. COORDINATE WITH DOOR FRAME, DOOR DETAILS, AND MANUFACTURER FOR REQUIRED SHIM SIZES.
- FIELD VERIFY DIMENSIONS AND SIZES OF EXISTING FURNITURE TO RECEIVE NEW COUNTERTOPS. NEW COUNTERTOPS TO BE THE SAME SIZE AS THE EXISTING TO BE REPLACED.
- COORDINATE WITH ENLARGED PLANS FOR DIMENSIONS FOR TOILET ROOMS AND OTHER SMALL SPACES.
- COORDINATE WITH STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR DIMENSIONS ON THEIR PORTION OF THE WORK.

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THIRD FLOOR - DIMENSIONS

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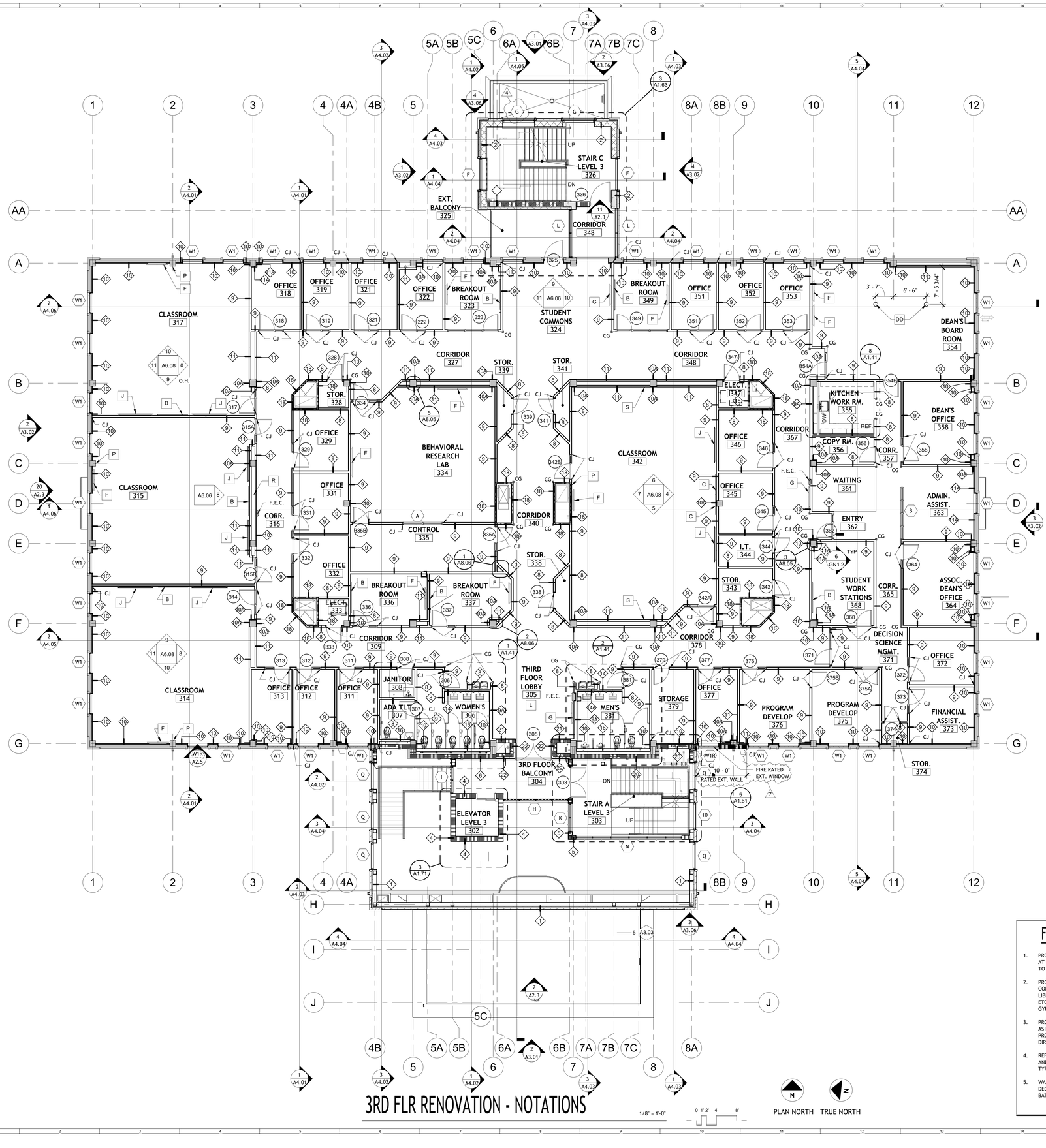

FLOOR PLAN KEYNOTES

KEYNOTES SHOWN ARE NOT PARTICULAR TO THIS SHEET. REFER TO FLOOR PLAN FOR SCOPE ITEMS.

A. PROVIDE POWER/DATA AND IN-WALL BLOCKING FOR WALL-HUNG OVERSIZED LED SCREEN; EQUIPMENT PROVIDED AND INSTALLED PROVIDED BY OWNER

B. 4' TALL x 6' WIDE WALL HUNG GLASS DRY-ERASE MARKERBOARD - NON-GLARE OPTION. INVISIBLE MOUNT OPTION.

C. 4' TALL X 4' WIDE WALL HUNG GLASS DRY-ERASE MARKERBOARD - NON-GLARE OPTION. INVISIBLE MOUNT OPTION.

D. WALK OFF ENTRANCE MAT PER SPEC WITH LOGO.

E. PROVIDE ADDITIONAL BLOCKING FROM FLOOR TO ACOUSTIC CEILING TILE HEIGHT AS DIRECTED BY OWNER. PROVIDE 250 LINEAR FEET OF BLOCKING TO BE PLACED IN THIS SPACE.

F. PROVIDE POWER / DATA & IN-WALL BLOCKING FOR WALL HUNG TV / MONITOR; EQUIP BY OTHERS.

G. PROVIDE POWER / DATA & IN-WALL BLOCKING FOR DIGITAL SIGNAGE AT 5'-0" AFF; SIGNAGE BY OWNER.

H. PROVIDE CEILING HUNG PRIVACY CURTAINS.

I. SOUND PROOFING REQUIREMENTS FOR WALLS AND CEILINGS.

J. LARGE FORMAT TV - BY OWNER . PROVIDE POWER/DATA & IN-WALL BLOCKING.

K. PROVIDE NEW FOUNDATION DRAIN TILE; CONNECT TO STORM SEWER

L. PROVIDE J-BOX AT CEILING LEVEL WITH POWER/DATA FOR DIGITAL SIGNAGE PROJECTOR.

M. HALLWAY GRAPHICS DISPLAY

N. NEW FIXED CLASSROOM DESKS PROVIDE NEW POWER AND DATA HOOKUPS AT ALL DESKTOPS.

O. PROVIDE POWER / DATA FOR DISPLAY CASE AND DEPARTMENT SIGNAGE PROVIDED BY OWNER.

P. PROVIDE POWER FOR HARDWIRED ANALOG WALL CLOCK ON A SYNCHRONIZED TIME SYSTEM.

Q. REPLACE EXISTING TIERED DESK(S) WITH NEW. PROVIDE POWER AND DATA FOR ALL TABLE TOP SEATING.

R. PROVIDE IN-FILL WALL TO MATCH EXISTING; COORDINATE WORK WITH DEMOLITION PLAN

S. PROVIDE POWER AND DATA FOR VIDEO CONFERENCE CAMERA AND LECTERN RECORDING DEVICES.

T. PROVIDE POWER AND HOOKUP FOR MICROPHONE. (COORDINATE REQUIREMENTS WITH OWNER'S REPRESENTATIVE)

U. PRESSURE WASH WITH A MILD DETERGENT EXISTING WINDOW WELLS AND SNAKE ALL EXISTING AREA DRAINS AND/OR CLEANOUTS FOR WELLS. INCLUDE WINDOW WELL TOP OF WALL.

V. CLEAN, REPOINT, AND REPAIR EXISTING FACE BRICK ON EXTERIOR KNEE WALL FOR MECHANICAL SPACE & STAIR ENCLOSURE. PROVIDE CAVITY WEEP HOLES AT 16" O.C. FOR EXISTING BRICK FACE.

W. PRESSURE WASH WITH MILD DETERGENT EXISTING STAIRS, STAIR LANDINGS, RAMPS AND RAMP LANDINGS. INCLUDE ALL ASSOCIATED SUPPORT WALLS AND ADJACENT RETAINING WALLS. SNAKE EXISTING AREA DRAINS AND/OR CLEANOUTS FOR LANDINGS.

X. PATCH AND REPAIR, CLEAN & REPOINT EXISTING MASONRY WALL. RE-USE EXISTING PRECAST WALL CAP TO CAP TOP OF WALL. PROVIDE NEW STONE CAP TO MATCH EXISTING AS NEEDED TO COMPLETE WORK.

Y. METAL CATWALK W/ GUARDRAIL HUNG FROM EXISTING STRUCTURE ABOVE IN EXISTING ATTIC SPACE. SUBJECT TO ALTERNATE #1.

Z. ELECTRICAL WALL OUTLETS AT 10ft O.C. ALONG THREE WALLS IN MULTIPURPOSE ROOM

AA. PROVIDE NEW DECORATIVE ALUMINUM GUARDRAIL AT END OF TIERED SEATING.

BB. PROVIDE CEILING HUNG DROP DOWN PROJECTOR SCREEN AND POWER/DATA FOR CEILING HUNG PROJECTOR; PROJECTOR PROVIDED AND INSTALLED BY OWNER.

CC. NEW CONCRETE FLOOR AT LEVEL OF EXISTING EXTERIOR SIDEWALK. FIELD VERIFY F.F.E. RELATIVE TO REST OF SURROUNDING FLOOR. COORDINATE WITH M,P,& E FOR PROTECTION EQUIPMENT AND HOUSEKEEPING PADS.

DD. PROVIDE FLOOR J-BOX WITH POWER AND DATA; CENTER IN ROOM U.N.O.

EE. NEW SUBFLOOR AT LOCATION OF REMOVED RISER. FIELD VERIFY THICKNESS OF ADJACENT RISER SUBFLOOR TO REMAIN. THE NEW FLOOR FINISH TO RUN CONTINUOUSLY FROM EXISTING RISER TO NEW SUBFLOOR.

FF. TENNESSEE TECH COLLEGE OF BUSINESS LOGO IN THE WALK OFF MAT - TWO COLORS - SEE DETAIL 2 /A1.21

GG. NEW 3/4" SUBFLOOR ON RISERS. COORDINATE WITH FIELD CONDITIONS AND EXISTING SUBFLOOR STRUCTURE TO REMAIN.

HH. EXISTING WALLS TO REMAIN. COORDINATE WITH PORTION OF EXISTING CONCRETE MEZZANINE FLOOR ABOVE TO REMAIN.

SYMBOLS AND ABBREV. NOTES

CG	CORNER GUARD - SEE DETAIL 13 /GN1.2
CJ	CONTROL JOINT - GYPSUM BOARD - REFER TO DETAILS 1 /GN1.2 , 2 /GN1.2 , AND 4 /GN1.2
	CONTROL JOINT - CONCRETE BLOCK - REFER TO DETAILS 11 /GN1.2 AND 12 /GN1.2
EJ	EXPANSION JOINT W/ COVER - (SEE SPECIFICATIONS, COORDINATE WITH STRUCTURAL)
MB	MARKER BOARD - (SEE SPECIFICATIONS)
EDF	ELECTRIC DRINKING FOUNTAIN - REFER TO PLUMBING
EPS	ELECTRIC PROJECTOR SCREEN - SEE ELECTRICAL
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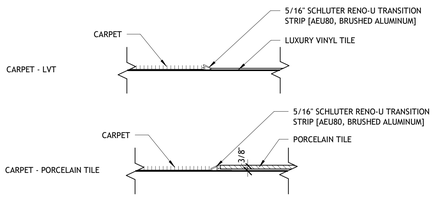
FLOOR TRANSITION LEGEND



FINISH LEGEND

FLOOR

PT PORCELAIN TILE (LOBBY)
MFG: PORTOBELLO
STYLE: SANDWAVES
SIZE: 12X24 OR 24X48
COLOR: LIGHT
INSTALL: ASHLAR

PT2 PORCELAIN TILE (RESTROOMS)
MFG: PORTOBELLO
STYLE: OH! TAKE
COLOR: CITY
SIZE: 24X48
INSTALL: ASHLAR

PT3 PORCELAIN TILE (ELEVATOR TOWER)
MFG: PORTOBELLO
STYLE: OH! TAKE
COLOR: CITY
INSTALL: MONOLITHIC

CT1 CARPET TILE
MFG: PATCRAFT
STYLE: 10530 - PERENNIAL
COLOR: 00546 - ASTER
INSTALL: MONOLITHIC

CT2 CARPET TILE
MFG: MOHAWK
STYLE: GT433 SABBATICAL
COLOR: 458 SEMESTER
INSTALL: MONOLITHIC

FLOOR

CT3 CARPET TILE
MFG: MANNINGTON
STYLE: CROSS TALK
COLOR: CUSTOM MS0142-001A-9
INSTALL: ASHLAR

LVT 1 LUXURY VINYL TILE
MFG: SHAW
STYLE: FUNCTION 2.5
COLOR: PEBBLE - 86504
INSTALL: BRICK

SC SEALED CONCRETE

RR RADIAL RUBBER
SEE SPEC SECTION 09 65 00

BASE

PT PORCELAIN TILE (LOBBY)
MFG: PORTOBELLO
STYLE: SANDWAVES
SIZE: 12X24 OR 24X48
COLOR: LIGHT
INSTALL: ASHLAR

PT2 PORCELAIN TILE
MFG: PORTOBELLO
STYLE: OH! TAKE
COLOR: CITY

RB RUBBER BASE
MFG: FLEXCO (B.O.D.)
OR APPROVED EQUAL BY ROPPE OR JOHNSONITE
STYLE: TS
WALLFLOWERS RUBBER
COLOR: WF-090 NICKEL
SIZE: 4"

WALLS

P1 PAINT (GENERAL)
MFG: SHERWIN WILLIAMS
APPROVED EQUAL BY BENJAMIN MOORE OR PPG
COLOR: SW7567 NATURAL TAN
FINISH: EGGSHELL

WALLS

P2 PAINT (LOBBY BRICK)
MFG: SHERWIN WILLIAMS
APPROVED EQUAL BY BENJAMIN MOORE OR PPG
COLOR: SW7641 COLONNADE GRAY
FINISH: EGGSHELL

P3 PAINT (PURPLE ACCENT)
MFG: SHERWIN WILLIAMS
APPROVED EQUAL BY BENJAMIN MOORE OR PPG
COLOR: TO BE DETERMINE
FINISH: EGGSHELL

WT WALL TILE (RESTROOMS)
MFG: PORTOBELLO
STYLE: PORTOFINO
COLOR: SAND
SIZE: 12X24
INSTALL: MONOLITHIC

B BRICK
COLOR: MATCH EXTERIOR - PAINT EXPOSED
BRICK INSIDE LOBBY

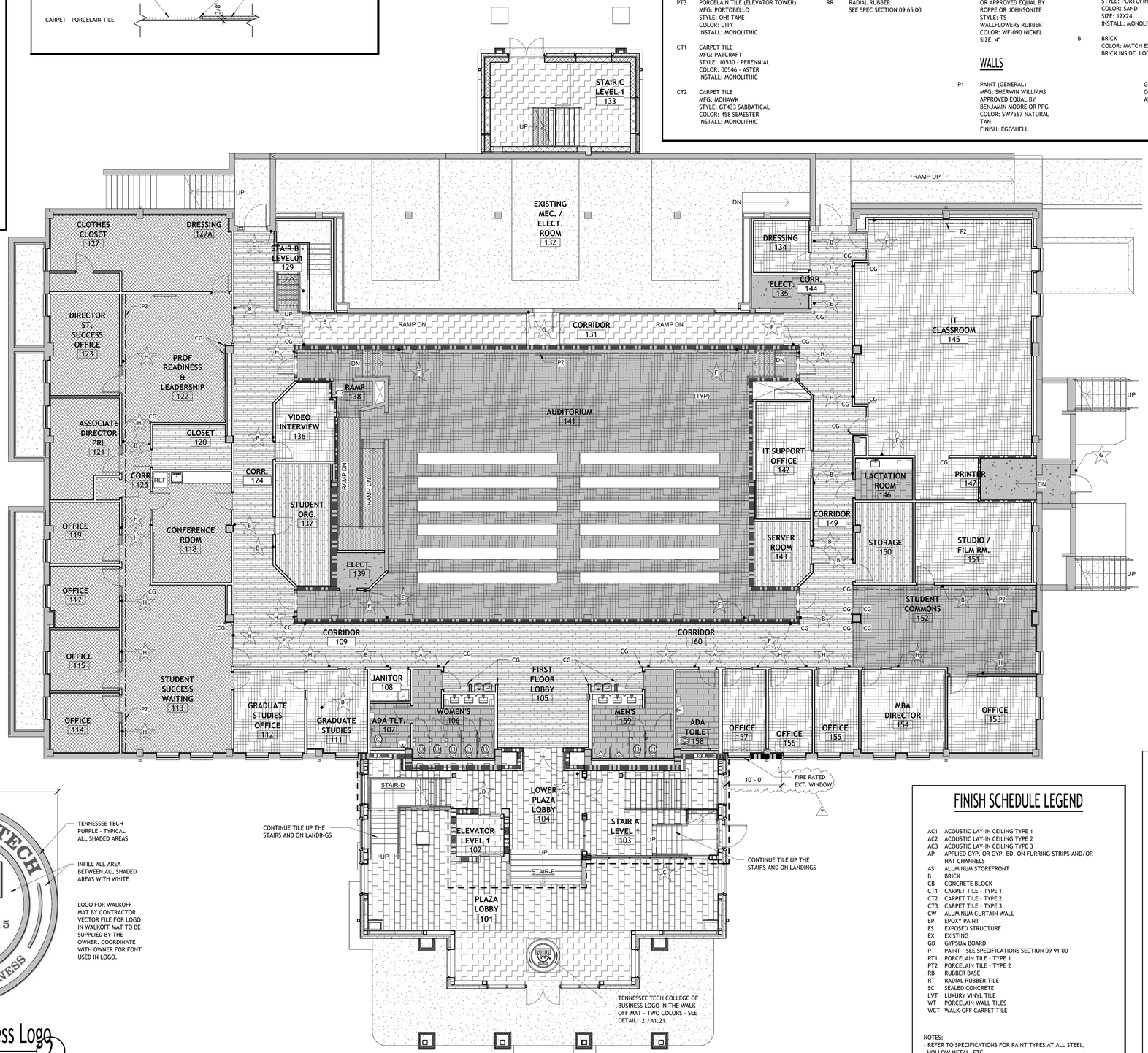
CEILINGS

AC1 ACOUSTICAL CEILING TILE (OFFICES, CLASSROOMS)
REFER TO RCP

AC2 ACOUSTICAL CEILING TILE (RESTROOMS)
REFER TO RCP

AC3 ACOUSTICAL CEILING TILE (AUDITORIUM, PLAZA)
REFER TO RCP

GENERAL NOTES:
COORDINATE WITH SPECIFICATIONS FOR APPROVED EQUALS AND ALTERNATE MANUFACTURERS



FIRST FLOOR RENOVATION - FINISH PLAN

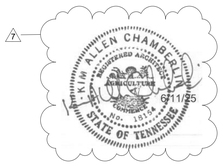
1/8" = 1'-0"

0 1'2" 4' 8'

FINISH LEGEND

- LVT 1 - LUXURY VINYL TILE FIELD
- LVT 2 - LUXURY VINYL TILE ACCENT
- CT1 - CARPET TILE TYPE 1
- CT2 - CARPET TILE TYPE 2
- CT3 - CARPET TILE TYPE 3
- WCT - WALK-OFF CARPET TILE
- PT - PORCELAIN TILE FIELD *SEE FLOOR FINISH PLAN
- PT2 -PORCELAIN TILE ACCENT *SEE FLOOR FINISH PLAN
- SC - SEALED CONCRETE
- C - CONCRETE
- RR - RADIAL RUBBER
- P2 - ACCENT COLOR WALL
- A SIGN TYPE SYMBOL - REFER TO GN1.1

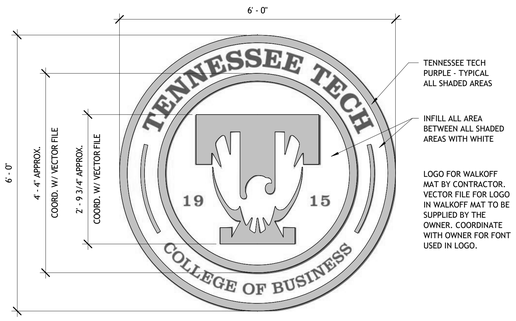
NOTE: MORE THAN ONE COLOR MAY BE USED FOR EACH COLOR DESIGNATION



TTU College of Business Logo

3/4" = 1'-0"

2



FINISH SCHEDULE LEGEND

AC1	ACOUSTIC LAY-IN CEILING TYPE 1
AC2	ACOUSTIC LAY-IN CEILING TYPE 2
AC3	ACOUSTIC LAY-IN CEILING TYPE 3
AP	APPLIED GYP. OR GYP. BD. ON FURRING STRIPS AND/OR HAT CHANNELS
AS	ALUMINUM STOREFRONT
B	BRICK
CB	CONCRETE BLOCK
CT1	CARPET TILE - TYPE 1
CT2	CARPET TILE - TYPE 2
CT3	CARPET TILE - TYPE 3
CW	ALUMINUM CURTAIN WALL
EP	EPOXY PAINT
ES	EXPOSED STRUCTURE
EX	EXISTING
GB	GYPSUM BOARD
P	PAINT- SEE SPECIFICATIONS SECTION 09 91 00
PT1	PORCELAIN TILE - TYPE 1
PT2	PORCELAIN TILE - TYPE 2
RB	RUBBER BASE
RT	RADIAL RUBBER TILE
SC	SEALED CONCRETE
LVT	LUXURY VINYL TILE
WT	PORCELAIN WALL TILES
WCT	WALK-OFF CARPET TILE

NOTES:
- REFER TO SPECIFICATIONS FOR PAINT TYPES AT ALL STEEL, HOLLOW METAL, ETC.
- WALL LOCATIONS ARE BASED ON PLAN NORTH

FINISH SCHEDULE GENERAL NOTES

1. WALL LOCATIONS ARE BASED ON PLAN NORTH.
2. REFER TO INTERIOR ELEVATIONS FOR ACCENT PAINT LOCATIONS
3. PAINT ALL CONTROL JOINTS IN WALLS (CMU AND GYPSUM BOARD WALLS) TO MATCH ADJACENT WALL COLOR.
4. WALLS ADJACENT TO CEILING CLOUDS SHALL BE PAINTED TO ROOF DECK.
5. PAINT ALL GYPSUM BOARD FURR DOWNS AND SOFFITS. REFER TO INTERIOR ELEVATIONS AND REFLECTED CEILING PLANS FOR LOCATIONS.
6. PAINT ALL STRUCTURE, DUCTWORK, CONDUIT AND PIPING IN SPACES WITH CLOUD CEILING EXPOSED TO VIEW.
7. PROVIDE SOLID SURFACE SILLS FOR WINDOW OPENING (TYPICAL).
8. PROVIDE 1X STAIN GRADE WOOD TRIM SILLS FOR WINDOW OPENINGS (RADIUS EDGE TYPICAL).
9. PROVIDE WALL CORNER GUARDS AT ALL OUTSIDE GYPSUM BOARD WALL CORNERS AND CASED OPENINGS (TYPICAL) - COORDINATE WITH FLOOR PLANS.
10. PROVIDE MOISTURE RESISTANT TYPE GYPSUM BOARD IN WET AREAS (RESTROOMS AND ABOVE COUNTERTOPS WITH SINKS).
11. INSTALL PAINTED ZINC CONTROL JOINTS IN GYPSUM BOARD WALLS AS SHOWN ON INTERIOR ELEVATIONS.
12. PROVIDE CONTROL JOINTS IN GYPSUM BOARD AT A MIN. OF 30'-0" O.C. JOINTS SHALL BE AT EDGE OF DOOR OR WINDOW FRAME WHERE POSSIBLE TO PREVENT MOVEMENT / SETTLEMENT CRACKING. COORDINATE WITH FLOOR PLANS AND INTERIOR ELEVATIONS FOR LOCATIONS.
13. PROVIDE ABUSE RESISTANT GYPSUM BOARD FROM FLOOR TO 8 FEET HEIGHT IN ALL STUDENT OCCUPIED SPACES.

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PROJECT
JOHNSON HALL RENOVATION - PKG 3
JOHNSON HALL RENOVATION & FOSTER DEMOLITION
SBC Nº 364/011-04-2022CM

LOCATION
COOKEVILLE, TN

OWNER
TENNESSEE TECH. UNIVERSITY

SEAL
KIM ALLEN CHAMBERLAIN
REGISTERED ARCHITECT
AGRICULTURE
STATE OF TENNESSEE
3288

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NO.	DESCRIPTION	DATE
7	Addendum 3 - PKG 3	6-11-25

JOB NO. 22025

ISSUE DATE 3-28-25

SHEET TITLE
FINISH PLAN - 1ST FLOOR

DRAWN CWD

REVIEW KAC

A1.21

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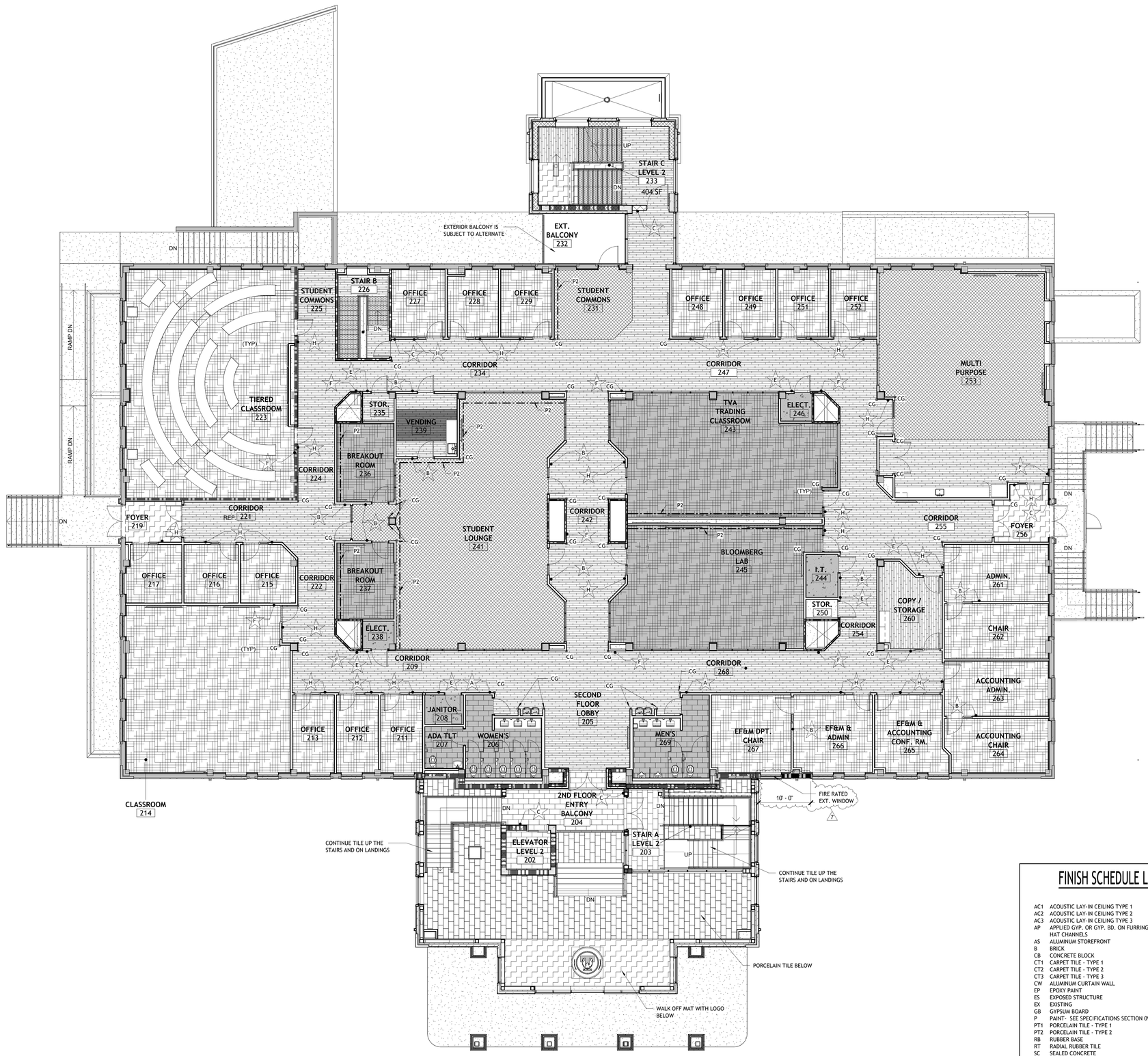

2ND FLR RENOVATION - FINISH PLAN

1/8" = 1'-0"

RATED WALL SYMBOL LEGEND

1-HOUR FIRE BARRIER

FLOOR TO UNDERSIDE OF DECK ABOVE AT CONC. BLOCK LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U905 (NONBEARING) AND UL DESIGN U905 (LOAD BEARING), TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0022 (WALL PERPENDICULAR TO DECK) OR HW-D-0030 (WALL PARALLEL TO DECK FLUTES)

AT GYPSUM BOARD WALL LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U419 WITH; TERMINATE AT METAL DECK WITH UL SYSTEM HW-D-0024 (WALL PERPENDICULAR TO DECK FLUTES) OR HW-D-0029 (WALL PARALLEL TO DECK FLUTES)

2-HOUR FIRE BARRIER

FLOOR TO UNDERSIDE OF DECK ABOVE AT CONC. BLOCK LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U905 (NONBEARING) AND UL DESIGN U905 (LOAD BEARING), TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0022 (WALL PERPENDICULAR TO DECK FLUTES) OR HW-D-0030 (WALL PARALLEL TO DECK FLUTES)

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SHAFT WALL - PER IBC 2012-SECTION 713.2
USE UL DESIGN U415, TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0549 (FLOOR OR ROOF DECK WITH FLUTES) OR HW-D-0480 (FLOOR OR ROOF DECK WITHOUT FLUTES)

SMOKE PARTITION PER IBC 2012 SECTION 710 AND NFPA 8.3.4.2, WALL SHALL EXTEND TO DECK.

NOTES:
ALL INTERIOR WALLS SHALL EXTEND TO DECK ABOVE UNLESS NOTED OTHERWISE.

PROVIDE 3" HIGH, BRIGHT RED STENCILED LETTERS VISIBLE ABOVE CEILING AT ALL CHANGES IN DIRECTION AND AT 30' INTERVALS ALONG ALL RATED WALLS READING: "____ HOUR FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS." (INCORPORATE CORRECT WALL DESIGNATIONS) FIRE WALLS SHALL BE STENCILED ON BOTH SIDES OF WALLS.

FINISH LEGEND

- LVT 1 - LUXURY VINYL TILE FIELD
- LVT 2 - LUXURY VINYL TILE ACCENT
- CT1 - CARPET TILE TYPE 1
- CT2 - CARPET TILE TYPE 2
- CT3 - CARPET TILE TYPE 3
- WCT - WALK-OFF CARPET TILE
- PT - PORCELAIN TILE FIELD *SEE FLOOR FINISH PLAN
- PT2 -PORCELAIN TILE ACCENT *SEE FLOOR FINISH PLAN
- SC - SEALED CONCRETE
- C - CONCRETE
- RR - RADIAL RUBBER
- P2 - ACCENT COLOR WALL
- A - SIGN TYPE SYMBOL - REFER TO GN1.1

NOTE: MORE THAN ONE COLOR MAY BE USED FOR EACH COLOR DESIGNATION

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ES	EXPOSED STRUCTURE
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GB	GYPSUM BOARD
P	PAINT- SEE SPECIFICATIONS SECTION 09 91 00
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NOTES:
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PROJECT
JOHNSON HALL RENOVATION - PKG 3
JOHNSON HALL RENOVATION & FOSTER DEMOLITION
SBC Nº 364/011-04-2022CM

LOCATION
COOKEVILLE, TN

OWNER
TENNESSEE TECH. UNIVERSITY

SEAL
KIM ALLEN CHAMBERLAIN, REGISTERED ARCHITECT, No. 32881, STATE OF TENNESSEE

6/11/25

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NO.	DESCRIPTION	DATE
7	Addendum 3 - PKG 3	6-11-25

JOB NO. 22025

ISSUE DATE 3-28-25

SHEET TITLE
FINISH PLAN - 2ND FLOOR

DRAWN CWD

REVIEW KAC

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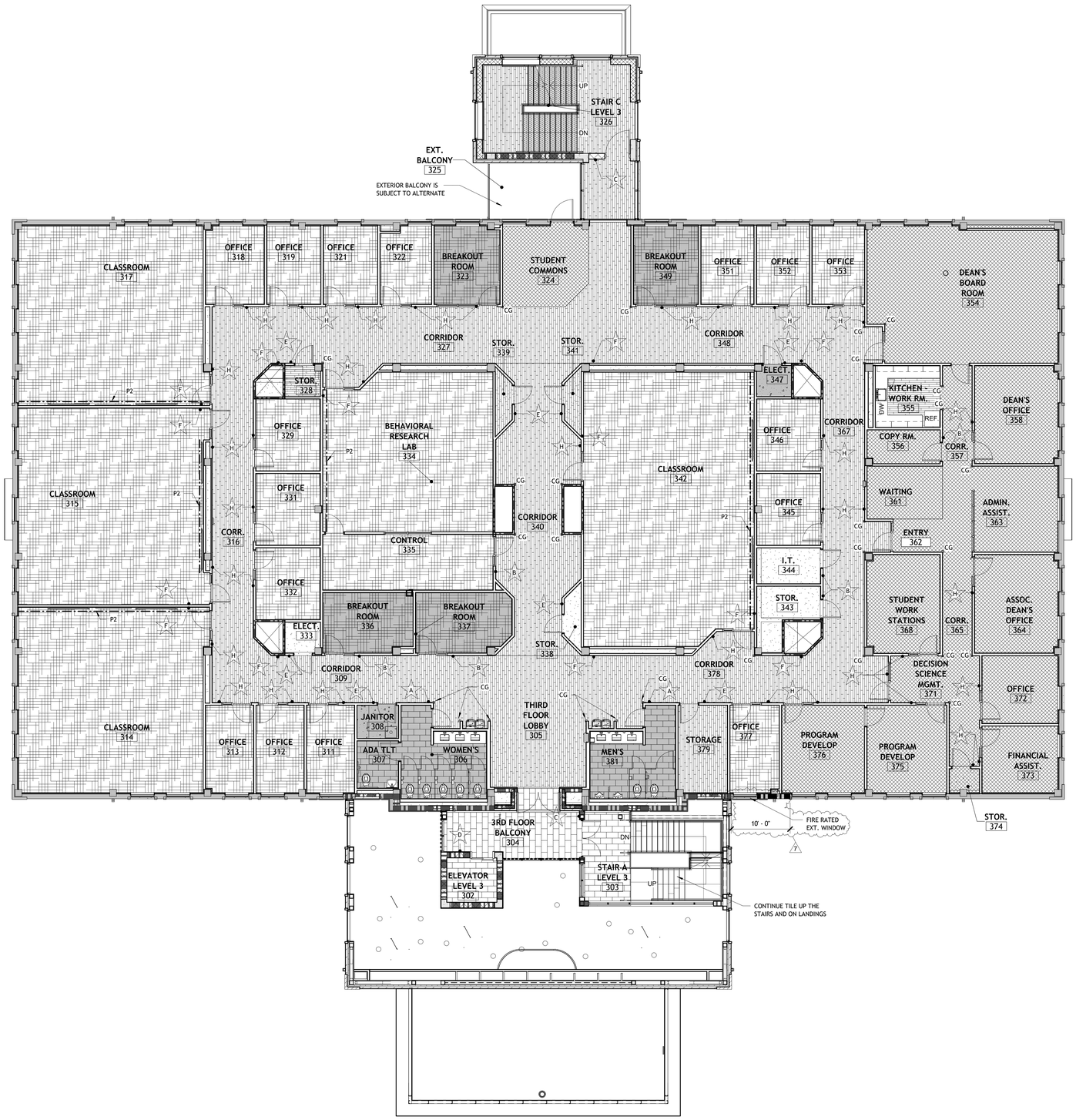

3RD FLR RENOVATION - FINISH PLAN

1/8" = 1'-0"

0 1'-2' 4' 8'

RATED WALL SYMBOL LEGEND

1-HOUR FIRE BARRIER

FLOOR TO UNDERSIDE OF DECK ABOVE AT CONC. BLOCK LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U905 (NONBEARING) AND UL DESIGN U905 (LOAD BEARING), TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0022 (WALL PERPENDICULAR TO DECK) OR HW-D-0030 (WALL PARALLEL TO DECK FLUTES)

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2-HOUR FIRE BARRIER

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PROJECT
JOHNSON HALL RENOVATION - PKG 3
JOHNSON HALL RENOVATION & FOSTER DEMOLITION
SBC Nº 364/011-04-2022CM

LOCATION
COOKEVILLE, TN

OWNER
TENNESSEE TECH. UNIVERSITY

SEAL

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NO.	DESCRIPTION	DATE
7	Addendum 3 - PKG 3	6-11-25

JOB NO.
22025

ISSUE DATE
3-28-25

SHEET TITLE
FINISH PLAN - 3RD FLOOR

DRAWN
CWD

REVIEW
KAC

A1.23

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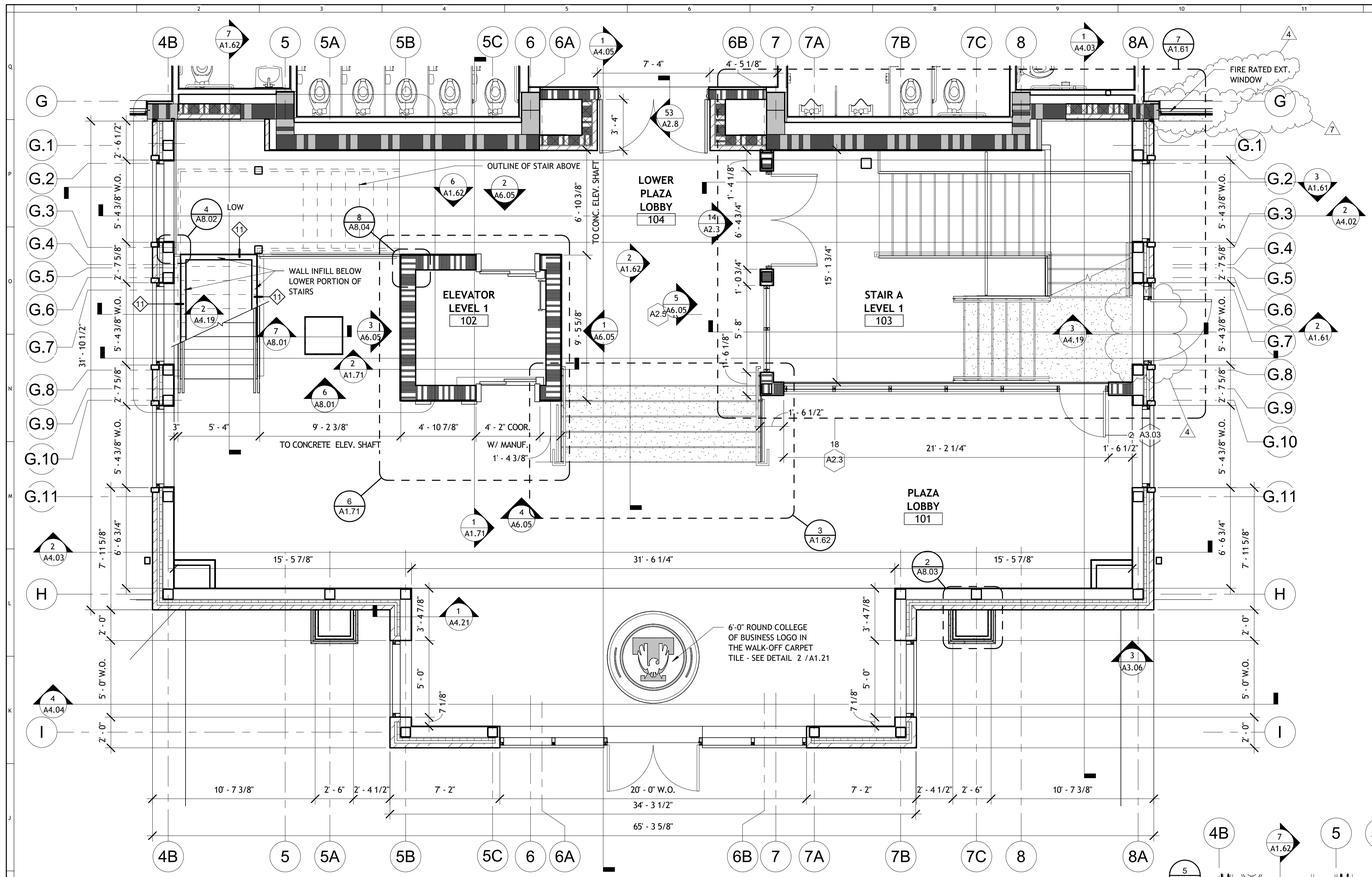

LOBBY - 1ST FLOOR

1/4" = 1'-0"

RATED WALL SYMBOL LEGEND

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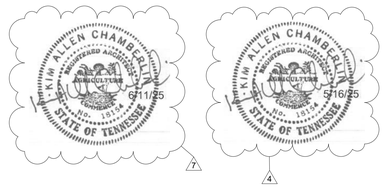

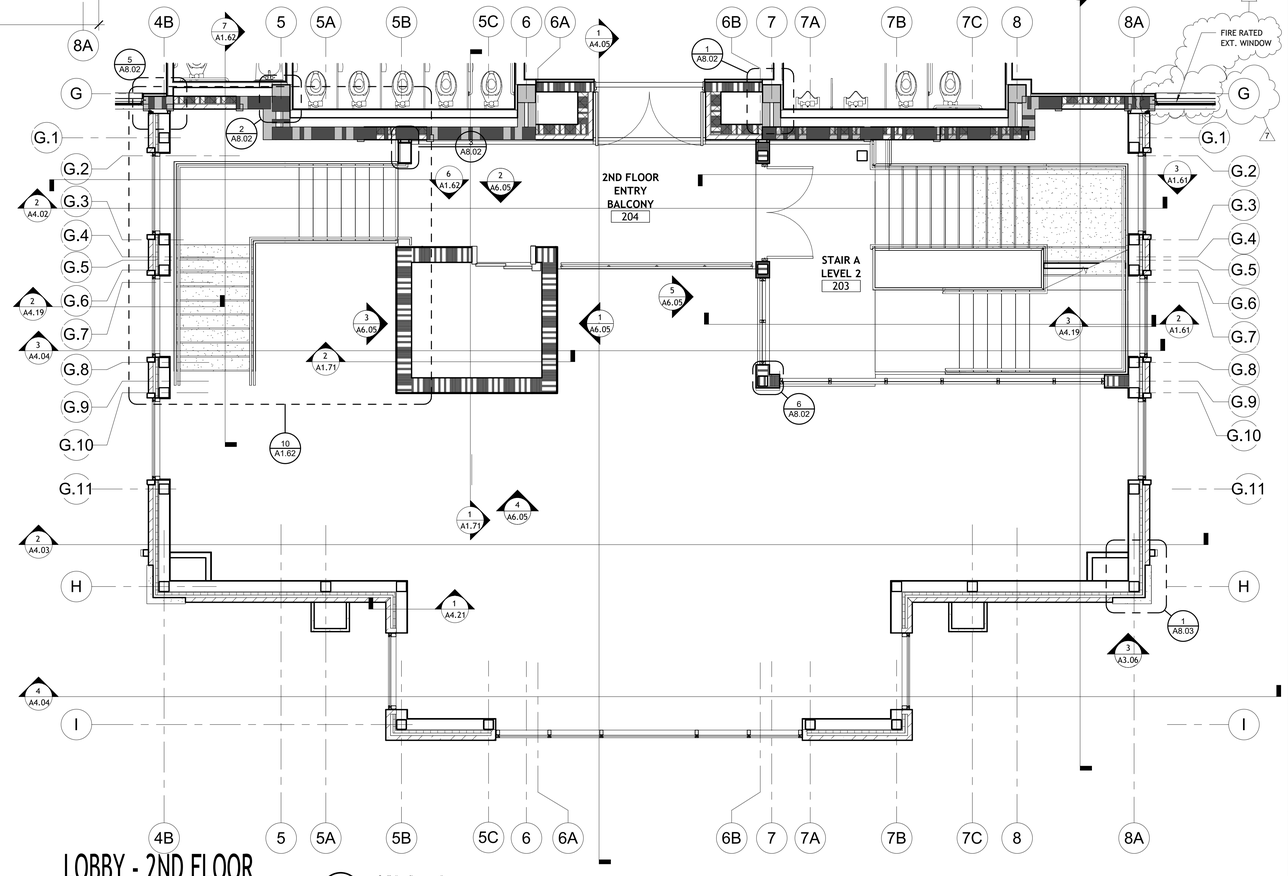

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Upland Design Group
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Ph. (931) 484-7541 www.uplanddesigngroup.com

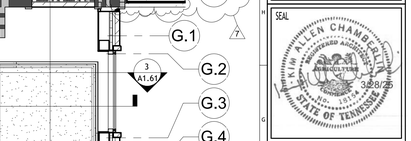
W&O Construction
150 Construction Drive, Livingston, TN 38570
Ph. (931) 403-1000 www.wocc.com

PROJECT
JOHNSON HALL RENOVATION - PKG 3
JOHNSON HALL RENOVATION & FOSTER DEMOLITION
SBC Nº 364/011-04-2022CM

LOCATION
COOKEVILLE, TN

OWNER
TENNESSEE TECH. UNIVERSITY

SEAL



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NO.	DESCRIPTION	DATE
4	Addendum 1 - PKG 3	5-16-25
7	Addendum 3 - PKG 3	6-11-25

JOB NO. 22025

ISSUE DATE 3-28-25

SHEET TITLE ENLARGED PLANS

DRAWN CWD

REVIEW KAC

A1.31

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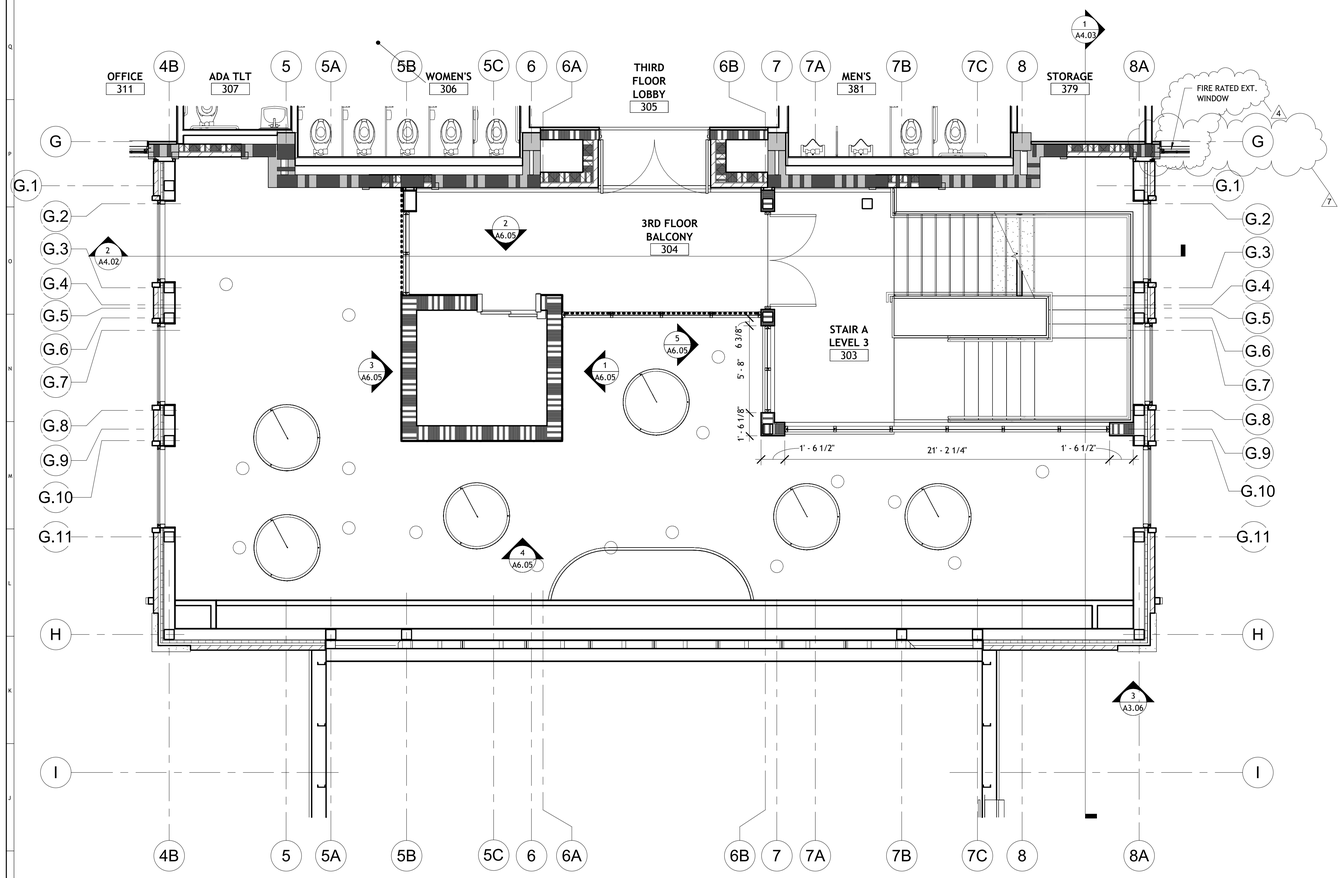
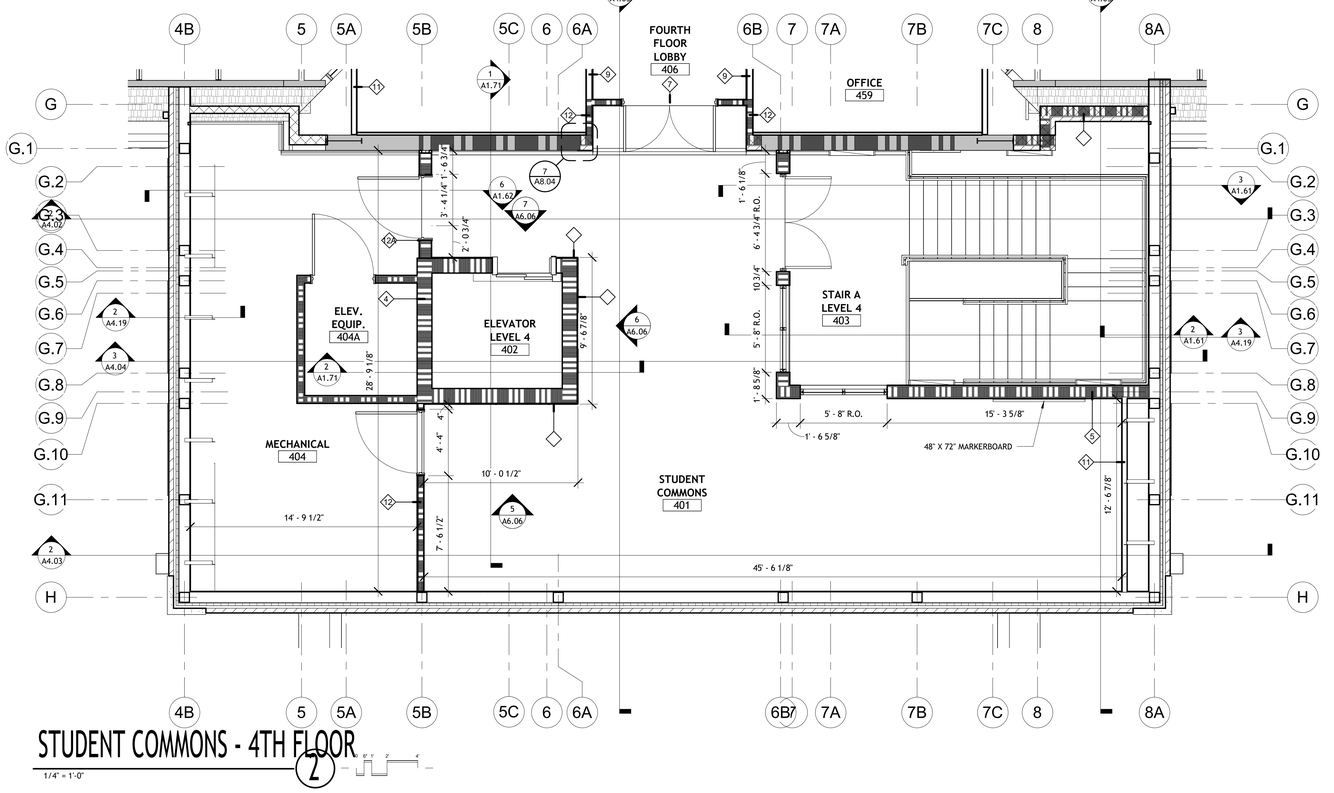


LOBBY - 3RD FLOOR

1/4" = 1'-0"



STUDENT COMMONS - 4TH FLOOR

1/4" = 1'-0"

RATED WALL SYMBOL LEGEND

1-HOUR FIRE BARRIER

FLOOR TO UNDERSIDE OF DECK ABOVE AT CONC. BLOCK LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U905 (NONBEARING) AND UL DESIGN U905 (LOAD BEARING), TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0022 (WALL PERPENDICULAR TO DECK) OR HW-D-0030 (WALL PARALLEL TO DECK FLUTES)

AT GYPSUM BOARD WALL LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U419 WITH; TERMINATE AT METAL DECK WITH UL SYSTEM HW-D-0024 (WALL PERPENDICULAR TO DECK FLUTES) OR HW-D-0029 (WALL PARALLEL TO DECK FLUTES)

2-HOUR FIRE BARRIER

FLOOR TO UNDERSIDE OF DECK ABOVE AT CONC. BLOCK LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U905 (NONBEARING) AND UL DESIGN U905 (LOAD BEARING), TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0022 (WALL PERPENDICULAR TO DECK FLUTES) OR HW-D-0030 (WALL PARALLEL TO DECK FLUTES)

AT GYPSUM BOARD WALL LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U419 WITH; TERMINATE AT METAL DECK WITH UL SYSTEM HW-D-0024 (WALL PERPENDICULAR TO DECK FLUTES) OR HW-D-0029 (WALL PARALLEL TO DECK FLUTES)

SHAFT WALL - PER IBC 2012-SECTION 713.2
USE UL DESIGN U415, TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0549 (FLOOR OR ROOF DECK WITH FLUTES) OR HW-D-0480 (FLOOR OR ROOF DECK WITHOUT FLUTES)

SMOKE PARTITION PER IBC 2012 SECTION 710 AND NFPA 8.3.4.2, WALL SHALL EXTEND TO DECK.

NOTES:
ALL INTERIOR WALLS SHALL EXTEND TO DECK ABOVE UNLESS NOTED OTHERWISE.

PROVIDE 3" HIGH, BRIGHT RED STENCILED LETTERS VISIBLE ABOVE CEILING AT ALL CHANGES IN DIRECTION AND AT 30' INTERVALS ALONG ALL RATED WALLS READING: " ___ HOUR FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS." (INCORPORATE CORRECT WALL DESIGNATIONS) FIRE WALLS SHALL BE STENCILED ON BOTH SIDES OF WALLS.

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LOCATION
COOKEVILLE, TN

OWNER
TENNESSEE TECH. UNIVERSITY

SEAL
KEVIN ALLEN CHAMBERLAIN — REGISTERED ARCHITECT — STATE OF TENNESSEE — 3-28-25

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SHEET TITLE ENLARGED PLANS

DRAWN CWD

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A1.32

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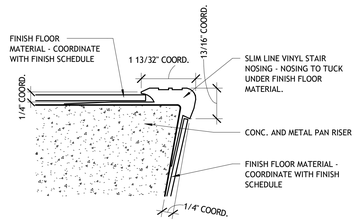
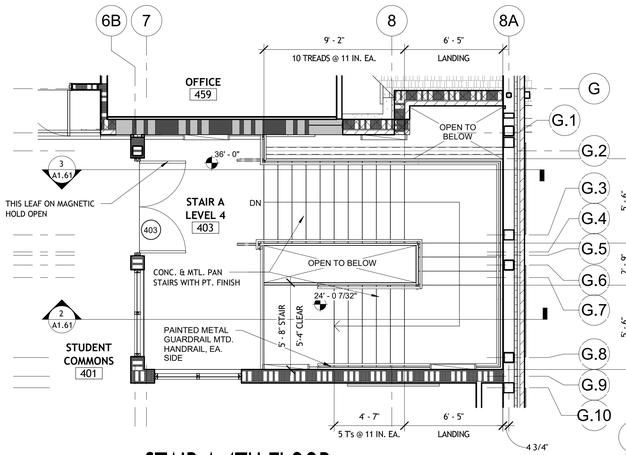


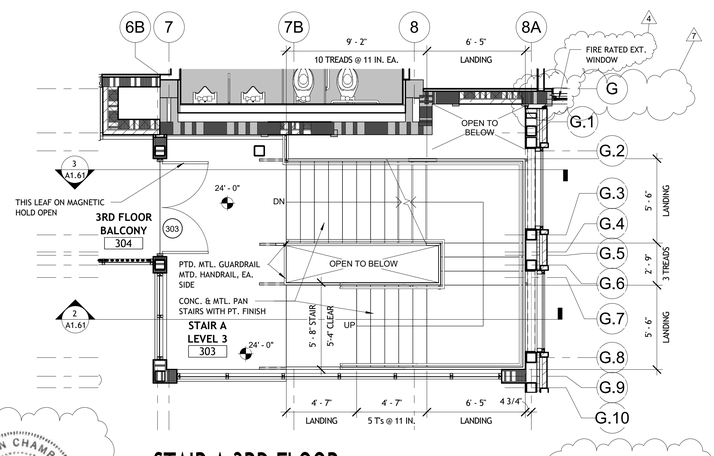
STAIR NOSING DETAIL 1

3" = 1'-0"



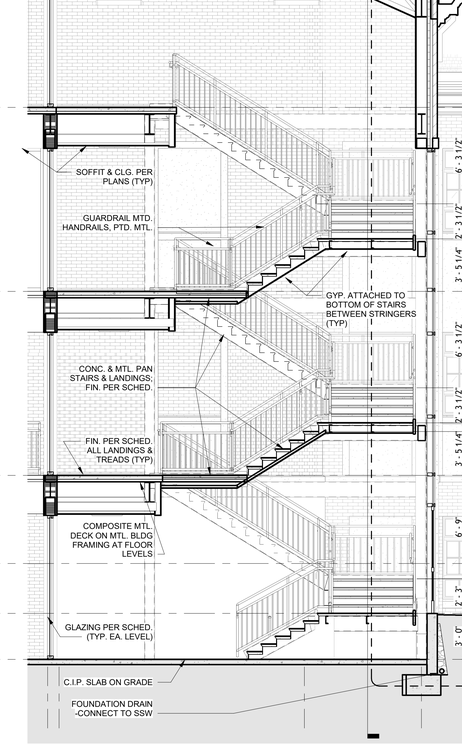
STAIR A 4TH FLOOR 4

1/4" = 1'-0"



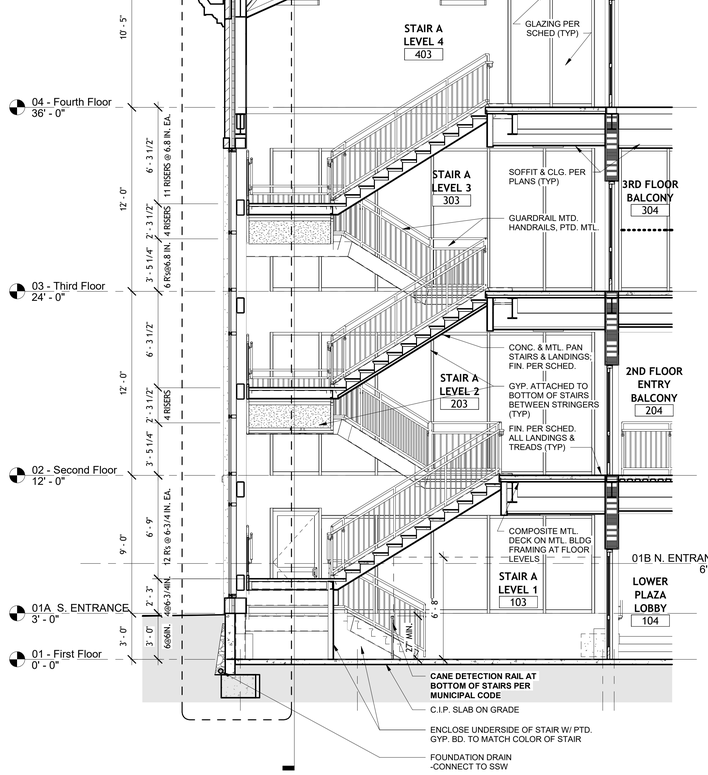
STAIR A 3RD FLOOR 5

1/4" = 1'-0"



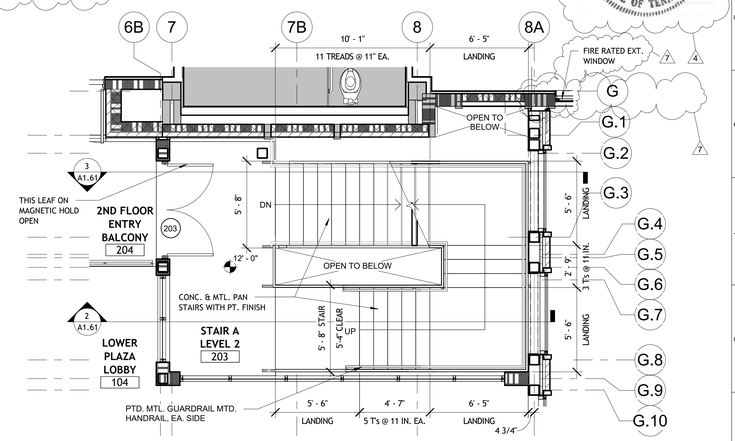
STAIR A SECTION 2

1/4" = 1'-0"



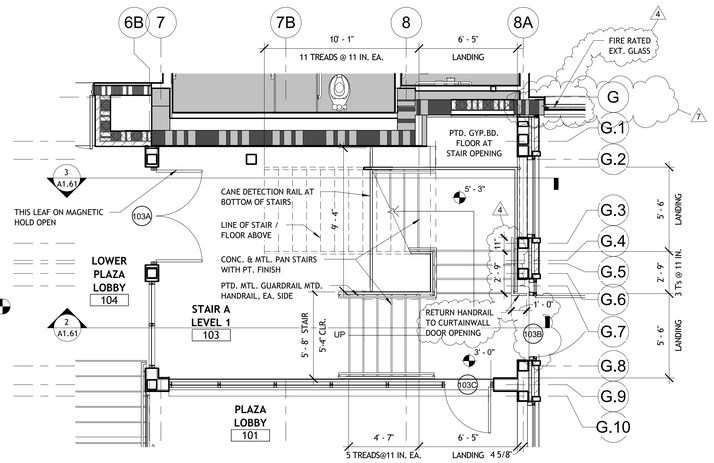
STAIR A SECTION 3

1/4" = 1'-0"



STAIR A 2ND FLOOR 6

1/4" = 1'-0"



STAIR A 1ST FLOOR 7

1/4" = 1'-0"

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SEAL
ALLEN CHAMBERLIN
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AGRICULTURE
No. 18174
STATE OF TENNESSEE
3/28/25

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JOB NO.
22025

ISSUE DATE
3-28-25

SHEET TITLE
STAIR PLANS AND SECTIONS - STAIR A

DRAWN
CWD

REVIEW
KAC

A1.61

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DOOR SCHEDULE - FIRST FLOOR

DOOR NO.	TYPE	NO. LEAFS	OPENING SIZE W	OPENING SIZE H	THICKNESS	MATERIAL	LABEL	UNDER CUT	GLASS TYPE	HARDWARE	FRAME TYPE	FRAME MATERIAL	DETAIL HEAD	DETAIL TRANS.	DETAIL JAMB	DETAIL SILL	REMARKS
101	FG	2	6' - 0"	7' - 0"	0' - 1 3/4"	AL	-	-	B	AL-1	XVIII	AL	12/21	7/12	23/92	14/24	CURTAINWALL DOOR; EXTERIOR; SECUIRTY CARD READER, DOOR ASSIST
103A	FG	2	6' - 0"	7' - 0"	0' - 1 3/4"	WD	B90	-	E	AL-3	XII	AL	91	-	60	-	FAIL-SAFE HOLD OPEN DOOR HARDWARE
103B	FG	1	4' - 0"	7' - 0"	0' - 1 3/4"	AL	-	-	B	AL-4	IXX	AL	5/12	7/12	2/18/92	19/20	CURTAINWALL DOOR; EXTERIOR
103C	FG	1	3' - 0"	6' - 8"	0' - 1 3/4"	WD	B90	-	E	AL-5	XV	AL	32/35	30	29/31/36	-	
105	F	2	7' - 0"	7' - 0"	0' - 1 3/4"	WD	C45	-	-	5	IV	HM	53	-	54	-	FAIL-SAFE HOLD OPEN DOOR
106	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	13	I	HM	49	-	50	-	
107	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	14	I	HM	49	-	50	-	
108	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	15	I	HM	49	-	50	-	
111	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
112A	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
112B	FG	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	A	16	I	HM	49	-	50	-	
113	FG	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	A	17	VIII	HM	49/70	71	50/72/73	-	
114	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
115	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
116	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	I	HM	49	-	50	-	
117	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
118A	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
118B	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	I	HM	49	-	50	-	
119	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
120	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	I	HM	49	-	50	-	
121	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
122	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	17	VI	HM	49/70	71	50/72/73	-	
123	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
124	HG	1	4' - 0"	7' - 0"	0' - 1 3/4"	HM	-	-	B	1	V	HM	51/66	71	52/67/73	68/69	
126	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	I	HM	49	-	50	-	
127	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	I	HM	49	-	50	-	
132	F	1	3' - 6"	6' - 8"	0' - 1 3/4"	WD	C45	-	-	6	EX	EX	-	-	-	-	NEW DOOR IN EXIST. FRAME; NEW FIN. & HDW. PER SCHED. - FLIP DOOR SWING OUT
133	FG	2	6' - 0 1/2"	7' - 0"	0' - 1 3/4"	AL	-	-	B	AL-2	XVI	AL	8/12	-	11	9	CURTAINWALL DOOR; EXTERIOR; SECUIRTY CARD READER
134	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	14	II	HM	51	-	52	-	NEW DOOR AND FRAME IN EXIST WALL
135	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	18	II	HM	51	-	52	-	NEW DOOR AND FRAME IN EXIST WALL
136	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	I	HM	49	-	50	-	
137	NL	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	A	11	I	HM	49	-	50	-	SECURITY CARD READER
139	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	18	I	HM	49	-	50	-	
141A	NLR	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	C45	-	D	7	II	HM	51	-	52	-	NEW DOOR AND FRAME IN EXISTING OPENING
141B	NLR	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	C45	-	D	7	II	HM	51	-	52	-	NEW DOOR AND FRAME IN EXISTING OPENING
141C	NLR	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	C45	-	D	7	II	HM	51	-	52	-	NEW DOOR AND FRAME IN EXISTING OPENING
141D	NLR	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	C45	-	D	7	II	HM	51	-	52	-	NEW DOOR AND FRAME IN EXISTING OPENING
142	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	11	VI	HM	49/70	71	50/72/73	-	SECURITY CARD READER
143	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	19	I	HM	49	-	50	-	
144	HG	1	4' - 0"	7' - 0"	0' - 1 3/4"	HM	-	-	B	2	V	HM	51/66	71	52/67/73	68/69	
145A	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	20	XI	HM	49/70	71	73/88/89	-	
145B	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	12	XI	HM	49/70	71	73/88/89	-	SECURITY CARD READER
146	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	11	I	HM	49	-	50	-	SECURITY CARD READER
148	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	HM	-	-	-	3	EX	EX	-	-	-	-	NEW DOOR IN EXISTING FRAME; REFURBISH DOOR TO NEW CONDITION; REPLACE TOP GLAZED PANEL WITH SOLID TO MATCH
150	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	I	HM	49	-	50	-	
151	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	21	I	HM	49	-	50	-	SOUND SILLS ON DOOR - SECURITY CARD READER
153	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
154	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
155	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
156	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
157	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
158	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	14	I	HM	49	-	50	-	
159	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	13	I	HM	49	-	50	-	

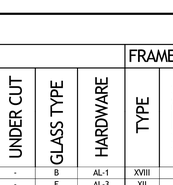
DOOR SCHEDULE - SECOND FLOOR

DOOR NO.	TYPE	NO. LEAFS	OPENING SIZE W	OPENING SIZE H	THICKNESS	MATERIAL	LABEL	UNDER CUT	GLASS TYPE	HARDWARE	FRAME TYPE	FRAME MATERIAL	DETAIL HEAD	DETAIL TRANS.	DETAIL JAMB	DETAIL SILL	REMARKS
203	FG	2	6' - 0"	7' - 0"	0' - 1 3/4"	WD	B90	-	E	AL-3	XII	AL	35	-	60	-	FAIL-SAFE HOLD OPEN DOOR
205	F	2	7' - 0"	7' - 0"	0' - 1 3/4"	WD	C45	-	-	5	IV	HM	53	-	54	-	FAIL-SAFE HOLD OPEN DOOR
206	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	13	I	HM	49	-	50	-	
207	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	14	I	HM	49	-	50	-	
208	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	15	I	HM	49	-	50	-	
211	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
212	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
213	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
214	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	22	VII	HM	49/70	71	56/72/73	-	
215	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
216	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	7	16	VI	HM	49/70	71	50/72/73	-
217	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	-	16	VI	HM	49/70	71	50/72/73	-
219	P	2	5' - 11 3/8"	7' - 0 1/8"	0' - 1 3/4"	HM	-	-	B	4	XX	HM	4/A2.10	-	5/A2.10	-	NEW DOOR AND FRAME IN EXISTING OPENING - FIELD VERIFY SIZE OF OPENING
221	NL	2	6' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	A	23	IV	HM	49	-	55	-	
223A	NL	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	C45	-	D	7	II	HM	51	-	52	-	
223B	NL	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	C45	-	D	7	II	HM	51	-	52	-	
226	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	B60	-	-	8	I	HM	49	-	50	-	
227	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
228	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
229	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
232	FG	1	3' - 8 1/4"	7' - 2"	0' - 1 3/4"	AL	-	-	B	AL-6	XVII	AL	57/58	-	59	90	DOOR IN EXIST MASONRY OPG; V.I.F. ALL DIMENSIONS
233	NLR	1	4' - 0"	7' - 0"	0' - 1 3/4"	WD	B60	-	D	8	III	HM	63	-	64/65	-	
235	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	I	HM	49	-	50	-	
236	FG	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	A	16	I	HM	49	-	50	-	
237	FG	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	A	16	I	HM	49	-	50	-	
238	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	18	I	HM	49	-	50	-	
239A	FG	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	A	24	I	HM	49	-	50	-	
239B	FG	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	A	24	I	HM	49	-	50	-	
241A	F	1	3' - 1"	7' - 0"	0' - 1 3/4"	WD	-	-	-	AL-8	XIV	AL	48/85	71	31/47/79	-	
241B	F	1	2' - 11 5/8"	7' - 0"	0' - 1 3/4"	WD	-	-	-	AL-8	XIII	AL	48/85	71	31/47/79	-	
241C	F	1	2' - 11 5/8"	7' - 0"	0' - 1 3/4"	WD	-	-	-	AL-8	XIII	AL	48/85	71	31/47/79	-	
243A	F	1	2' - 11 19/32"	7' - 0"	0' - 1 3/4"	WD	-	-	-	AL-9	XIII	AL	48/85	71	31/47/79	-	
243B	F	1	2' - 11 5/8"	7' - 0"	0' - 1 3/4"	WD	-	-	-	AL-10	XIII	AL	48/85	71	31/47/79	-	SECURITY CARD READER
244	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	19	I	HM	49	-	50	-	
245A	F	1	2' - 10 7/8"	7' - 0"	0' - 1 3/4"	WD	-	-	-	AL-9	XIII	AL	48/85	71	31/47/79	-	
245B	F	1	2' - 11 5/8"	7' - 0"	0' - 1 3/4"	WD	-	-	-	AL-10	XIII	AL	48/85	71	31/47/79	-	SECURITY CARD READER
246	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	18	I	HM	49	-	50	-	
248	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
249	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
250	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	I	HM	49	-	50	-	
251	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
252	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
253A	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	12	VI	HM	49/70	71	50/72/73	-	SECURITY CARD READER
253B	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	20	VII	HM	49/70	71	56/72/73	-	
253C	F	2	6' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	26	IV	HM	49	-	55	-	
255	NL	2	6' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	A	23	IV	HM	49	-	50	-	
256	P	2	6' - 0"	7' - 0"	0' - 1 3/4"	HM	-	-	B	4	XX	HM	4/A2.10	-	5/A2.10	-	NEW DOOR AND FRAME IN EXISTING OPENING - FIELD VERIFY SIZE OF OPENING
260A	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	7	11	VI	HM	49/70	71	50/72/73	-
260B	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	7	11	I	HM	49	-	50	-
261	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	-	16	VI	HM	49/70	71	50/72/73	-
262	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	-	16	VI	HM	49/70	71	50/72/73	-
263	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	-	16	VI	HM	49/70	71	50/72/73	-
264	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	-	16	VI	HM	49/70	71	50/72/73	-
265	FG	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	A	16	X	HM	49/70	71	50/72/73	-
266	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	-	16	VI	HM	49/70	71	50/72/73	-
267	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	-	16	VI	HM	49/70	71	50/72/73	-
269	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	13	I	HM	49	-	50	-	

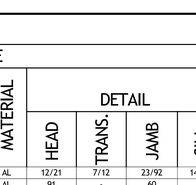
FRAME TYPE "I"
HOLLOW METAL FRAME

FRAME TYPE "II"
HOLLOW METAL FRAME

FRAME TYPE "III"
HOLLOW METAL FRAME



FRAME TYPE "IV"
HOLLOW METAL FRAME



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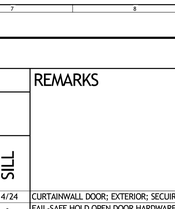

FRAME TYPE "VI"
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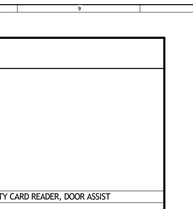

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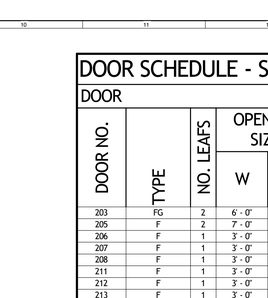
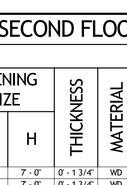


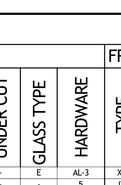
FRAME TYPE "XX"
HOLLOW METAL FRAME



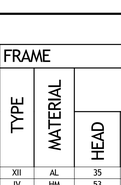
DOOR TYPE "F"

DOOR TYPES

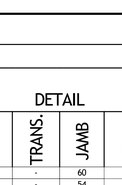
DOOR TYPE "NL"
AT NON-RATED WALLS



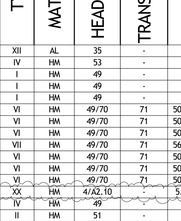
DOOR TYPE "NLR" AT RATED WALLS



DOOR TYPE "FG"



DOOR TYPE "HG"

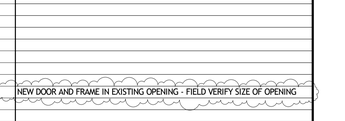


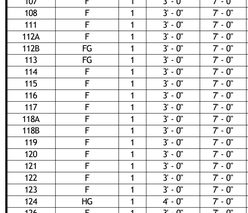
DOOR TYPE "P"

DOOR TYPE "H"
LOCKABLE ACCESS HATCH

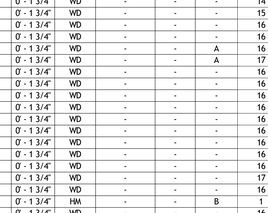
GLASS TYPES

- A — 1/4" CLEAR TEMPERED
- B — 1" INSULATED LOW-E TEMPERED W/ TINT (1/4" TINTED TEMPERED GLASS WITH LOW-E SPUTTERED ON #2 SURFACE, 1/2" AIRSPACE, 1/4" CLEAR TEMPERED GLASS)
- C — 1" INSULATED SPANDREL TEMPERED (1/4" TINTED TEMPERED GLASS WITH SPANDREL TINT ON #2 SURFACE, 1/2" AIRSPACE, 1/4" CLEAR TEMPERED GLASS)
- D — SAFTIFIRST SUPERCLEAR - 45-HS-LI, 45 MINUTE RATING.
- E — SAFTIFIRST SUPERLITE II-XL - 90 MINUTE RATING.
- F — ONE-WAY GLAZING
- G — 3/4" INSULATED TINTED EXTERIOR FIRE RATED GLASS - FIRELITE IGU FOR 3/4" GLAZING FRAME.

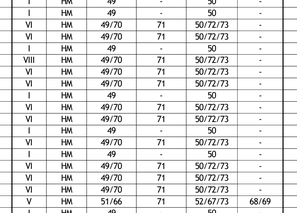




FRAME TYPE "VIII"
HOLLOW METAL FRAME

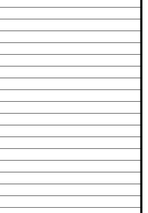


FRAME TYPE "IX"
HOLLOW METAL FRAME

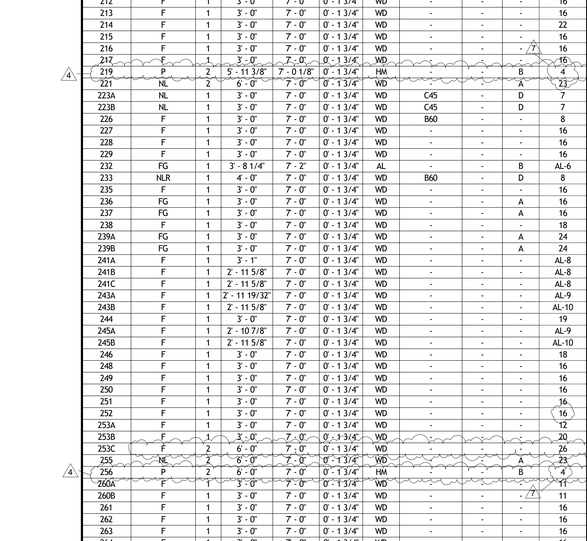


FRAME TYPE "X"
HOLLOW METAL FRAME

FRAME TYPE "XI"
HOLLOW METAL FRAME

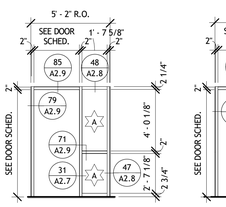


FRAME TYPE "XII"
ALUMINUM STOREFRONT FRAME

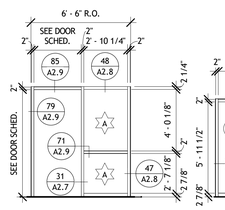


FRAME TYPE "XVIII"
ALUMINUM CURTAINWALL FRAME

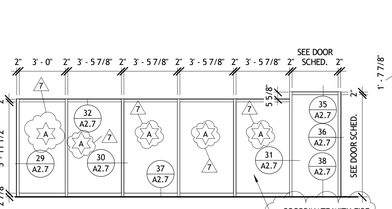
FRAME TYPE "IXX"
ALUMINUM CURTAINWALL FRAME



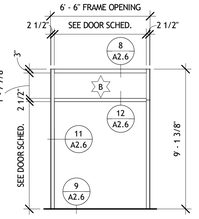
FRAME TYPE "XIII"
ALUMINUM STOREFRONT FRAME



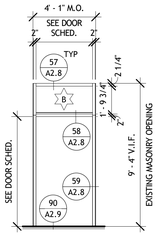
FRAME TYPE "XIV"
ALUMINUM STOREFRONT FRAME



FRAME TYPE "XV"
ALUMINUM STOREFRONT FRAME



FRAME TYPE "XVI"
ALUMINUM CURTAINWALL FRAME



FRAME TYPE "XVII"
ALUMINUM CURTAINWALL FRAME

GENERAL DOOR SCHEDULE NOTES

1. DOOR THICKNESS SHALL BE 1-3/4" UNLESS NOTED OTHERWISE.
2. ALL DOORS IN SMOKE BARRIERS AND FIRE RATED ASSEMBLIES SHALL BE SELF CLOSING OR PROVIDED WITH FAIL-SAFE HOLD OPEN DEVICES.
3. GLASS IN FIRE DOORS SHALL BE EMBEDDED IN PUTTY AND EXPOSED JOINTS BETWEEN METAL / WOOD AND GLASS SHALL BE STRUCK AND POINTED.
4. ALL VIEW PANELS IN FIRE DOORS SHALL BE LABELED AND SHALL HAVE A MINIMUM RATING OF 45 MINUTES PER NFPA 257.
5. FIRE RATED DOORS, AND THE ACCOMPANYING HARDWARE, FRAMES, CLOSING DEVICES, ANCHORAGE AND SILL SHALL BE APPROVED LISTED AND LABELED IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 80.
6. COMBUSTIBLE FLOOR FINISHES HAVING A CRITICAL RADIAN FLUX OF 0.22 W/CM2 OR LESS SHALL NOT EXTEND UNDER FIRE RATED DOORS. SUCH DOORWAYS SHALL HAVE METAL THRESHOLDS A MINIMUM WIDTH EQUAL TO THE JAMB DEPTH OR 4 INCHES, WHICHEVER IS LESS.
7. IF A DOOR IS EQUIPPED WITH A CLOSER, THE SWEEP SHALL BE SET SO THAT FROM AN OPEN POSITION OF 70 DEGREES, THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3 INCHES FROM THE LATCH AS MEASURED FROM THE LEADING EDGE OF THE DOOR.
8. SURFACE APPLIED HARDWARE SHALL BE APPLIED TO THE FACE OF DOORS WITHOUT REMOVING MATERIAL FROM THE DOOR OTHER THAN A MAXIMUM OF 1" DIAMETER HOLES TO ACCOMMODATE OPERATIONAL ELEMENTS, WITH THE EXCEPTION OF CYLINDER HOLES, WHICH SHALL BE MADE AS SMALL AS POSSIBLE.
9. SIGNAGE ON RATED DOORS SHALL NOT EXCEED 5% OF THE AREA OF THE FACE OF THE DOOR. THEY SHALL BE ATTACHED USING ADHESIVE - SCREWS OR NAILS ARE NOT PERMITTED.
10. SIGNAGE SHALL NOT BE APPLIED TO GLASS AREAS OR ON THE OPERATING HARDWARE.
11. KNURL ALL KNOBS OR LEVERS TO MECHANICAL ROOMS, ELECTRICAL ROOMS OR CLOSETS AND OTHER HAZARDOUS AREAS THAT MAY PROVE DANGEROUS TO THE VISUALLY IMPAIRED.
12. ALL DOORS TO BE POSITIVE LATCHING, UNLESS NOTES OTHERWISE (EXCEPT MULTI-STALL RESTROOM DOORS).
13. MANUFACTURER'S INSTALLATION INSTRUCTIONS SHALL BE AVAILABLE AT THE JOB SITE FOR ALL RATED DOOR ASSEMBLIES.
14. ALL DOORS IN CLASSROOM, LAB AND PERFORMANCE AREAS TO HAVE ACOUSTIC SEALS, COORDINATE WITH SPECIFICATIONS.
15. ALL PANIC DEVICES TO BE PUSH BAR TYPE.
16. ALL STOREFRONT DOORS TO HAVE 10" BOTTOM RAIL, TYP.
17. IN

DOOR SCHEDULE - THIRD FLOOR

DOOR NO.	TYPE	NO. LEAFS	OPENING SIZE W	OPENING SIZE H	THICKNESS	MATERIAL	LABEL	UNDER CUT	GLASS TYPE	HARDWARE	FRAME TYPE	FRAME MATERIAL	DETAIL HEAD	DETAIL TRANS.	DETAIL JAMB	DETAIL SILL	REMARKS
303	FG	2	6' - 0"	7' - 0"	0' - 1 3/4"	WD	B90	-	E	AL-3	XII	AL	35	-	60	-	FAIL-SAFE HOLD OPEN DOOR
305	F	2	7' - 0"	7' - 0"	0' - 1 3/4"	WD	C45	-	-	5	IV	HM	53	-	54	-	FAIL-SAFE HOLD OPEN DOOR
306	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	13	I	HM	49	-	50	-	
307	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	14	I	HM	49	-	50	-	
308	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	15	I	HM	49	-	50	-	
311	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
312	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
313	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
314	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	22	VI	HM	49/70	71	50/72/73	-	
315A	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	20	VI	HM	49/70	71	50/72/73	-	
315B	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	20	VI	HM	49/70	71	50/72/73	-	
317	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	22	VI	HM	49/70	71	50/72/73	-	
318	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
319	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
321	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
322	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
323	FG	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	A	16	IX	HM	49/70	71	50/72/73	-	
325	FG	1	3' - 8 1/4"	7' - 2"	0' - 1 3/4"	AL	-	-	B	AL-6	XVII	AL	57/58	-	59	90	DOOR IN EXIST MASONRY OPG; V.I.F. ALL DIMENSIONS
326	NLR	1	4' - 0"	7' - 0"	0' - 1 3/4"	WD	B-60	-	D	8	III	HM	63	-	64/65	-	
328	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	I	HM	49	-	50	-	
329	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
331	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
332	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
333	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	18	I	HM	49	-	50	-	
334	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	11	VI	HM	49/70	71	50/72/73	-	SECURITY CARD READER
335A	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
335B	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	I	HM	49	-	50	-	
336	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
337	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
338	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	25	I	HM	49	-	50	-	
339	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	25	I	HM	49	-	50	-	
341	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	25	I	HM	49	-	50	-	
342A	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	20	VI	HM	49/70	71	50/72/73	-	
342B	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	20	VI	HM	49/70	71	50/72/73	-	
343	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	I	HM	49	-	50	-	
344	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	19	I	HM	49	-	50	-	
345	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
346	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
347	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	18	I	HM	49	-	50	-	
349	FG	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	A	16	IX	HM	49/70	71	50/72/73	-	
351	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
352	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
353	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
354A	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
354B	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	I	HM	49	-	50	-	
356	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	I	HM	49	-	50	-	
358	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
362	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	17	VI	HM	49/70	71	50/72/73	-	
364	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
368	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VII	HM	49/70	71	50/72/73	-	
371	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	17	VII	HM	49/70	71	56/72/73	-	
372	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
373	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
374	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	I	HM	49	-	50	-	
375A	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
375B	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	I	HM	49	-	50	-	
376	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
377	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
379	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	I	HM	49	-	50	-	
381	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	13	I	HM	49	-	50	-	

DOOR SCHEDULE - FOURTH FLOOR

DOOR NO.	TYPE	NO. LEAFS	OPENING SIZE W	OPENING SIZE H	THICKNESS	MATERIAL	LABEL	UNDER CUT	GLASS TYPE	HARDWARE	FRAME TYPE	FRAME MATERIAL	DETAIL HEAD	DETAIL TRANS.	DETAIL JAMB	DETAIL SILL	REMARKS
403	FG	2	6' - 0"	7' - 0"	0' - 1 3/4"	WD	B90	-	E	AL-3	XII	AL	35	-	60	-	FAIL-SAFE HOLD OPEN DOOR
404A	F	1	4' - 0"	7' - 0"	0' - 1 3/4"	WD	C45	-	-	9	I	HM	49	-	50	-	
404B	F	1	4' - 0"	7' - 0"	0' - 1 3/4"	WD	C45	-	-	9	I	HM	49	-	50	-	
404C	F	1	4' - 0"	7' - 0"	0' - 1 3/4"	WD	B90	-	-	9	I	HM	49	-	50	-	
406	F	2	6' - 0"	7' - 0"	0' - 1 3/4"	WD	C45	-	-	5	IV	HM	49	-	55	-	FAIL-SAFE HOLD OPEN DOOR
407	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	14	I	HM	49	-	50	-	
408	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	14	I	HM	49	-	50	-	
409	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	15	I	HM	49	-	50	-	
413A	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
413B	H	1	2' - 0"	2' - 0"	0' - 1 1/2"	-	-	-	-	AL-7	PER MANUF.	-	-	-	-	-	LOCKABLE ACCESS HATCH
413C	H	1	2' - 0"	2' - 0"	0' - 1 1/2"	-	-	-	-	AL-7	PER MANUF.	-	-	-	-	-	LOCKABLE ACCESS HATCH
414A	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	17	VI	HM	49/70	71	50/72/73	-	
414B	H	1	2' - 0"	2' - 0"	0' - 1 1/2"	-	-	-	-	AL-7	PER MANUF.	-	-	-	-	-	
415	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
416	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
417	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
418	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	22	VI	HM	49/70	71	50/72/73	-	
421A	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	22	VI	HM	49/70	71	50/72/73	-	
421B	H	1	2' - 0"	2' - 0"	0' - 1 1/2"	-	-	-	-	AL-7	PER MANUF.	-	-	-	-	-	LOCKABLE ACCESS HATCH
421C	H	1	2' - 0"	2' - 0"	0' - 1 1/2"	-	-	-	-	AL-7	PER MANUF.	-	-	-	-	-	LOCKABLE ACCESS HATCH
422A	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	13	II	HM	51	-	52	-	NEW DOOR AND FRAME IN EXISTING OPENING
422B	H	1	2' - 0"	2' - 0"	0' - 1 1/2"	-	-	-	-	AL-7	PER MANUF.	-	-	-	-	-	LOCKABLE ACCESS HATCH
423	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
424	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
425	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
427	FG	1	3' - 8 1/4"	7' - 2"	0' - 1 3/4"	AL	-	-	B	AL-6	XVII	AL	57/58	-	59	90	DOOR IN EXIST MASONRY OPG; V.I.F. ALL DIMENSIONS
428	NLR	1	4' - 0"	7' - 0"	0' - 1 3/4"	WD	B-60	-	D	8	III	HM	63	-	64/65	-	
431	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	18	I	HM	49	-	50	-	
432	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
433	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
434	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	18	I	HM	49	-	50	-	
435	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
436	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
437	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
438	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	22	VI	HM	49/70	71	50/72/73	-	
441	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	22	VI	HM	49/70	71	50/72/73	-	
442	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	19	II	HM	51	-	52	-	
443	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	11	VI	HM	49/70	71	50/72/73	-	SECURITY CARD READER
444	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	18	I	HM	49	-	50	-	
446	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
447	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
448A	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	13	II	HM	51	-	52	-	NEW DOOR AND FRAME IN EXISTING OPENING
448B	H	1	2' - 0"	2' - 0"	0' - 1 1/2"	-	-	-	-	AL-7	PER MANUF.	-	-	-	-	-	LOCKABLE ACCESS HATCH
449	NL	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	A	22	II	HM	51	-	52	-	NEW DOOR AND FRAME IN EXISTING WALL
449B	H	1	2' - 0"	2' - 0"	0' - 1 1/2"	-	-	-	-	AL-7	PER MANUF.	-	-	-	-	-	LOCKABLE ACCESS HATCH
449C	H	1	2' - 0"	2' - 0"	0' - 1 1/2"	-	-	-	-	AL-7	PER MANUF.	-	-	-	-	-	LOCKABLE ACCESS HATCH
452A	NLR	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	C-45	-	D	7	II	HM	51	-	52	-	NEW DOOR AND FRAME IN EXISTING WALL
452B	NLR	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	C-45	-	D	7	II	HM	51	-	52	-	NEW DOOR AND FRAME IN EXISTING WALL
453A	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	C-45	-	-	10	II	HM	51	-	52	-	NEW DOOR AND FRAME IN EXISTING WALL
453B	H	1	2' - 0"	2' - 0"	0' - 1 1/2"	-	-	-	-	AL-7	PER MANUF.	-	-	-	-	-	LOCKABLE ACCESS HATCH
453C	H	1	2' - 0"	2' - 0"	0' - 1 1/2"	-	-	-	-	AL-7	PER MANUF.	-	-	-	-	-	LOCKABLE ACCESS HATCH
454A	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
454B	H	1	2' - 0"	2' - 0"	0' - 1 1/2"	-	-	-	-	AL-7	PER MANUF.	-	-	-	-	-	LOCKABLE ACCESS HATCH
455	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
456	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	I	HM	49	-	50	-	
458	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	14	I	HM	49	-	50	-	
459	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
460	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
461	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	16	VI	HM	49/70	71	50/72/73	-	
462	F	1	3' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	18	I	HM	49	-	50	-	
463	F	2	6' - 0"	7' - 0"	0' - 1 3/4"	WD	-	-	-	26	IV	HM	49	-	55	-	

GLASS TYPES

- A — 1/4" CLEAR TEMPERED
- B — 1" INSULATED LOW-E TEMPERED W/ TINT (1/4" TINTED TEMPERED GLASS WITH LOW-E SPUTTERED ON #2 SURFACE, 1/2" AIRSPACE, 1/4" CLEAR TEMPERED GLASS)
- C — 1" INSULATED SPANDREL TEMPERED (1/4" TINTED TEMPERED GLASS WITH SPANDREL TINT ON #2 SURFACE, 1/2" AIRSPACE, 1/4" CLEAR TEMPERED GLASS)
- D — SAFTIFIRST SUPERCLEAR - 45-HS-LI, 45 MINUTE RATING.
- E — SAFTIFIRST SUPERLITE II-XL - 90 MINUTE RATING.
- F — ONE-WAY GLAZING
- G — 3/4" INSULATED TINTED EXTERIOR FIRE RATED GLASS - FIRELITE IGU FOR 3/4" GLAZING FRAME.

GENERAL DOOR SCHEDULE NOTES

1. DOOR THICKNESS SHALL BE 1-3/4" UNLESS NOTED OTHERWISE.
2. ALL DOORS IN SMOKE BARRIERS AND FIRE RATED ASSEMBLIES SHALL BE SELF CLOSING OR PROVIDED WITH FAIL-SAFE HOLD OPEN DEVICES.
3. GLASS IN FIRE DOORS SHALL BE EMBEDDED IN PUTTY AND EXPOSED JOINTS BETWEEN METAL / WOOD AND GLASS SHALL BE STRUCK AND POINTED.
4. ALL VIEW PANELS IN FIRE DOORS SHALL BE LABELED AND SHALL HAVE A MINIMUM RATING OF 45 MINUTES PER NFPA 257.
5. FIRE RATED DOORS, AND THE ACCOMPANYING HARDWARE, FRAMES, CLOSING DEVICES, ANCHORAGE AND SILL SHALL BE APPROVED LISTED AND LABELED IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 80.
6. COMBUSTIBLE FLOOR FINISHES HAVING A CRITICAL RADIAN FLUX OF 0.22 W/CM2 OR LESS SHALL NOT EXTEND UNDER FIRE RATED DOORS. SUCH DOORWAYS SHALL HAVE METAL THRESHOLDS A MINIMUM WIDTH EQUAL TO THE JAMB DEPTH OR 4 INCHES, WHICHEVER IS LESS.
7. IF A DOOR IS EQUIPPED WITH A CLOSER, THE SWEEP SHALL BE SET SO THAT FROM AN OPEN POSITION OF 70 DEGREES, THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3 INCHES FROM THE LATCH AS MEASURED FROM THE LEADING EDGE OF THE DOOR.
8. SURFACE APPLIED HARDWARE SHALL BE APPLIED TO THE FACE OF DOORS WITHOUT REMOVING MATERIAL FROM THE DOOR OTHER THAN A MAXIMUM OF 1" DIAMETER HOLES TO ACCOMMODATE OPERATIONAL ELEMENTS, WITH THE EXCEPTION OF CYLINDER HOLES, WHICH SHALL BE MADE AS SMALL AS POSSIBLE.
9. SIGNAGE ON RATED DOORS SHALL NOT EXCEED 5% OF THE AREA OF THE FACE OF THE DOOR. THEY SHALL BE ATTACHED USING ADHESIVE - SCREWS OR NAILS ARE NOT PERMITTED.
10. SIGNAGE SHALL NOT BE APPLIED TO GLASS AREAS OR ON THE OPERATING HARDWARE.
11. KNURL ALL KNOBS OR LEVERS TO MECHANICAL ROOMS, ELECTRICAL ROOMS OR CLOSETS AND OTHER HAZARDOUS AREAS THAT MAY PROVE DANGEROUS TO THE VISUALLY IMPAIRED.
12. ALL DOORS TO BE POSITIVE LATCHING, UNLESS NOTES OTHERWISE (EXCEPT MULTI-STALL RESTROOM DOORS).
13. MANUFACTURER'S INSTALLATION INSTRUCTIONS SHALL BE AVAILABLE AT THE JOB SITE FOR ALL RATED DOOR ASSEMBLIES.
14. ALL DOORS IN CLASSROOM, LAB AND PERFORMANCE AREAS TO HAVE ACOUSTIC SEALS, COORDINATE WITH SPECIFICATIONS.
15. ALL PANIC DEVICES TO BE PUSH BAR TYPE.
16. ALL STOREFRONT DOORS TO HAVE 10" BOTTOM RAIL, TYP.
17. IN DOORS WHERE VISION GLASS IS PROVIDED, THE MAXIMUM HEIGHT FORM THE FLOOR TO THE BOTTOM OF THE VIEWING GLASS SHALL BE 43"
18. DOORS SHALL BE INSTALLED 4" FROM THE OUTSIDE EDGE OF JAMB TO ADJACENT WALL UNLESS NOTED OR DEPICTED OTHERWISE.
19. UNDERCUTTING OF DOORS SHALL BE DONE IN ACCORDANCE WITH NFPA 80 (CURRENT ISSUE) TABLE 1-11.4.
20. WOOD DOORS TO BE SUPPLIED WITH PROPER BLOCKING FOR CLOSERS WITHOUT THRU BOLTS.
21. GC TO COORDINATE ELECTROMATIC HOLD OPENS WITH DOOR HARDWARE SUPPLIER AND ELECTRICIAN.
22. FRAME SUPPLIER TO PROVIDE WELDED BOX IN HM FRAMES WHERE ELECTRICAL CONNECTIONS ARE REQUIRED, TYP.
23. AS PER IBC 2012, SECTION 1008.1.3: "THE OPENING FOR INTERIOR SIDE-SWINGING DOORS WITHOUT CLOSERS SHALL NOT EXCEED A 5 POUND FORCE. FOR OTHER SIDE-SWING, SLIDING AND FOLDING DOORS, THE DOOR LATCH SHALL RELEASE WHEN SUBJECTED TO A 30-POUND FORCE. THE DOOR SHALL SWING TO A FULL-OPEN POSITION WHEN SUBJECTED TO A 15-POUND FORCE. FORCES SHALL BE APPLIED TO THE LATCH SIDE." DOOR SHALL BE INSTALLED AND ADJUSTED TO MEET THIS REQUIREMENT.
24. REFER TO M,P, & E DRAWINGS FOR ADDITIONAL INFORMATION REGARDING POWER TO ELECTRIFIED HARDWARE.
25. PAINT DOOR LOUVERS AND LITE KIT FRAMES TO MATCH DOOR FRAME PAINT.
26. ADA 404.2.11 VISION LIGHTS. - DOORS, GATES, AND SIDE LIGHTS ADJACENT TO DOORS OR GATES, CONTAINING ONE OR MORE GLAZING PANELS THAT PERMIT VIEWING THROUGH THE PANELS SHALL HAVE THE BOTTOM OF AT LEAST ONE GLAZED PANEL LOCATED 43 INCHES (1090 MM) MAXIMUM ABOVE THE FINISH FLOOR.

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PROJECT
JOHNSON HALL RENOVATION - PKG 3
JOHNSON HALL RENOVATION & FOSTER DEMOLITION
SBC Nº 364/011-04-2022CM

LOCATION
COOKEVILLE, TN

OWNER
TENNESSEE TECH. UNIVERSITY

SEAL

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NO.	DESCRIPTION	DATE
4	Addendum 1 - PKG 3	5-16-25
7	Addendum 3 - PKG 3	6-11-25

JOB NO.
22025

ISSUE DATE
3-28-25

SHEET TITLE
DOOR SCHEDULE - 3RD AND 4TH FLOOR

DRAWN
CWD

REVIEW
KAC

A2.4

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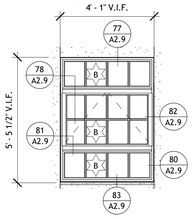
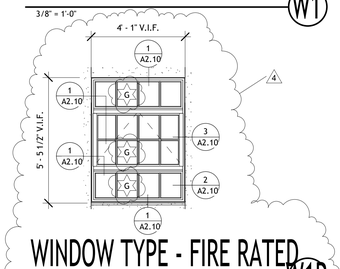


WINDOW TYPE

3/8" = 1'-0"

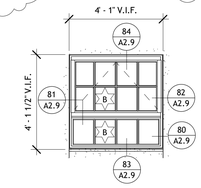
W1



WINDOW TYPE - FIRE RATED

3/8" = 1'-0"

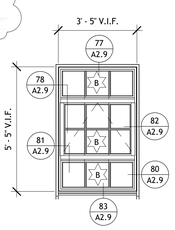
W1R



4TH FLOOR EX. WINDOW

3/8" = 1'-0"

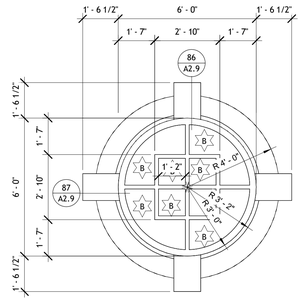
W2



4TH FLOOR EX. DORMER

3/8" = 1'-0"

W3



4TH FLOOR CIRCLE WINDOW

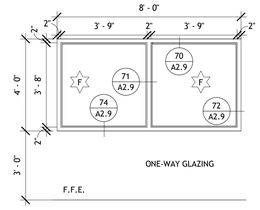
3/8" = 1'-0"

W4

GLASS TYPES

- A — 1/4" CLEAR TEMPERED
- B — 1" INSULATED LOW-E TEMPERED W/ TINT (1/4" TINTED TEMPERED GLASS WITH LOW-E SPUTTERED ON #2 SURFACE, 1/2" AIRSPACE, 1/4" CLEAR TEMPERED GLASS)
- C — 1" INSULATED SPANDREL TEMPERED (1/4" TINTED TEMPERED GLASS WITH SPANDREL TINT ON #2 SURFACE, 1/2" AIRSPACE, 1/4" CLEAR TEMPERED GLASS)
- D — SAFTIFIRST SUPERCLEAR - 45-HS-LI, 45 MINUTE RATING.
- E — SAFTIFIRST SUPERLITE II-XL - 90 MINUTE RATING.
- F — ONE-WAY GLAZING
- G — 3/4" INSULATED TINTED EXTERIOR FIRE RATED GLASS - FIRELITE IGU FOR 3/4" GLAZING FRAME.

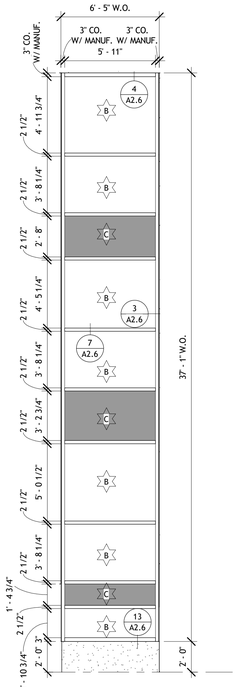
7



WINDOW TYPE A

3/8" = 1'-0"

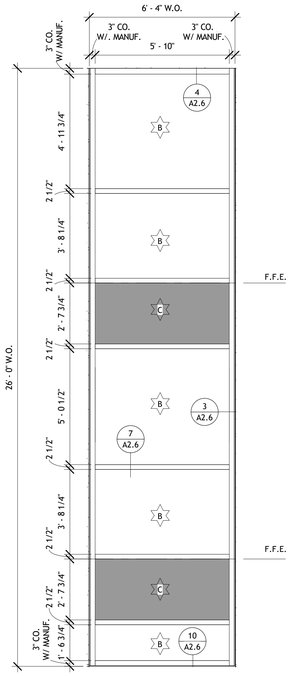
A

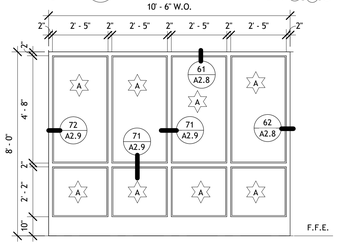


WINDOW TYPE G

3/8" = 1'-0"

G

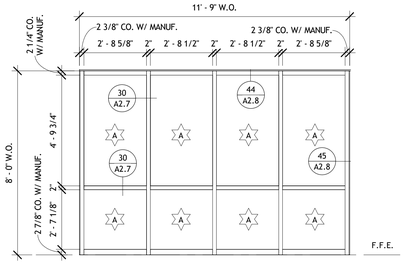




WINDOW TYPE B

3/8" = 1'-0"

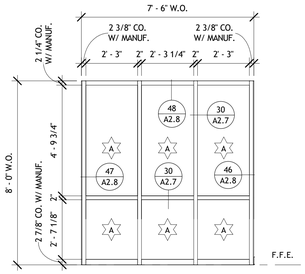
B



WINDOW TYPE C

3/8" = 1'-0"

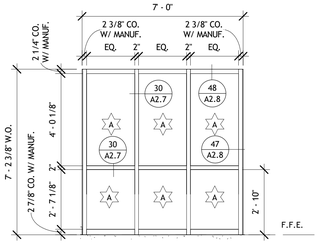
C



WINDOW TYPE D

3/8" = 1'-0"

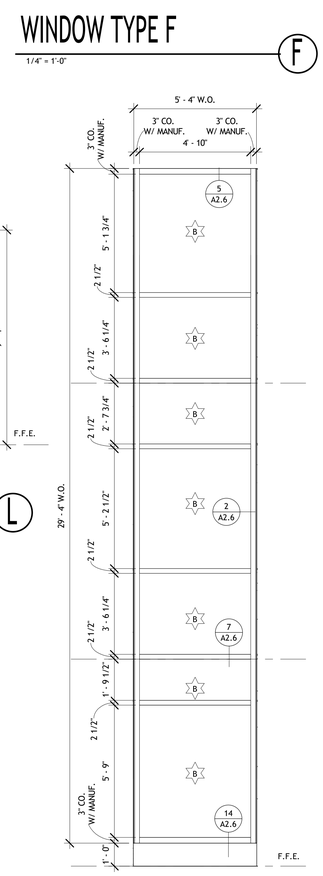
D



WINDOW TYPE E

3/8" = 1'-0"

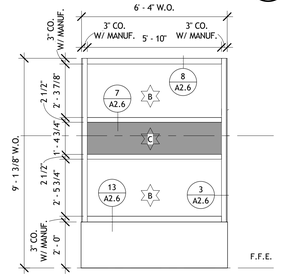
E



WINDOW TYPE F

1/4" = 1'-0"

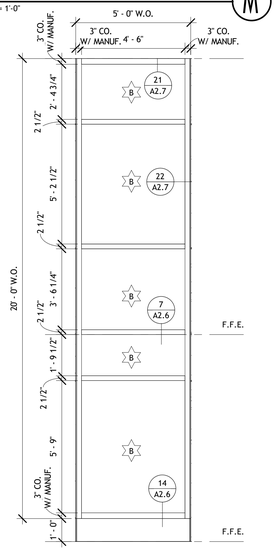
F



WINDOW TYPE M

3/8" = 1'-0"

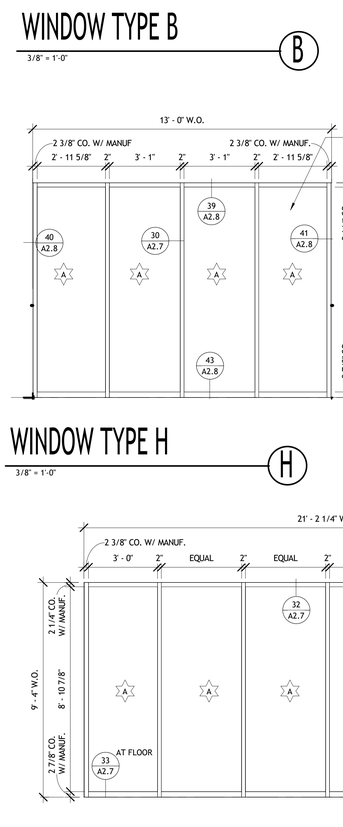
M



WINDOW TYPE R

3/8" = 1'-0"

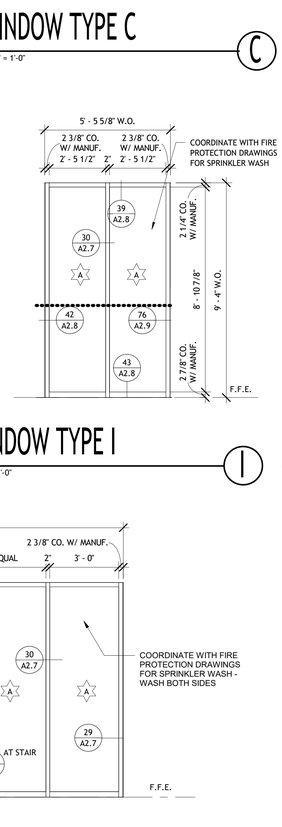
R



WINDOW TYPE H

3/8" = 1'-0"

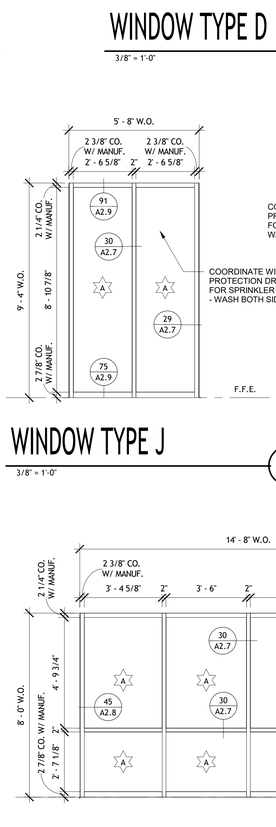
H



WINDOW TYPE I

3/8" = 1'-0"

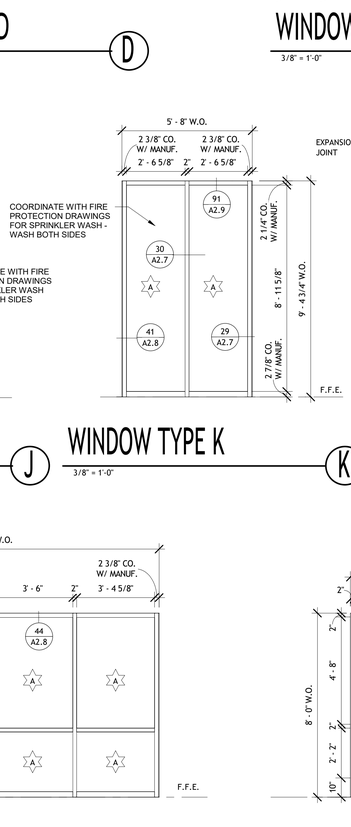
I



WINDOW TYPE J

3/8" = 1'-0"

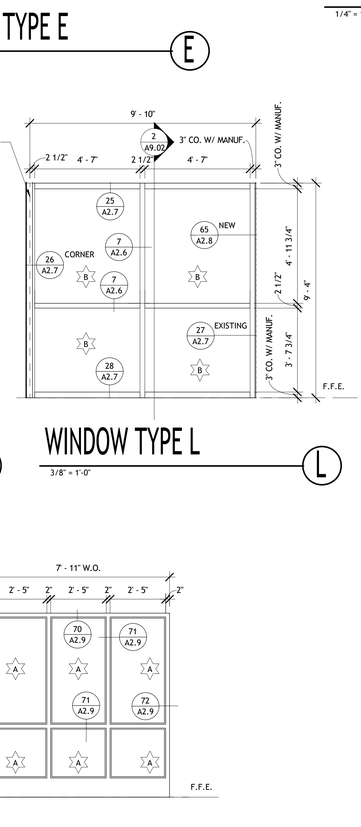
J



WINDOW TYPE K

3/8" = 1'-0"

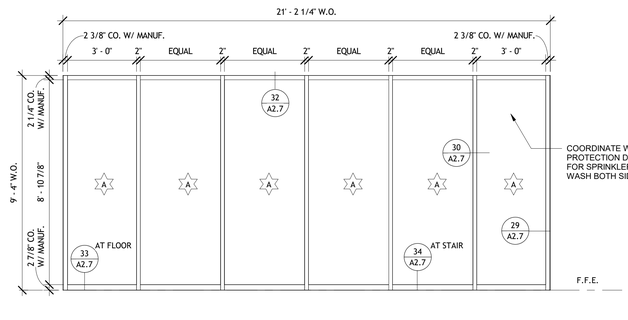
K



WINDOW TYPE L

3/8" = 1'-0"

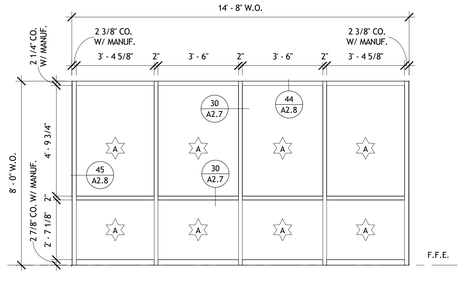
L



WINDOW TYPE N

3/8" = 1'-0"

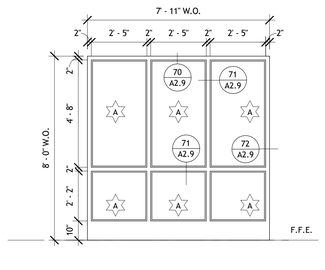
N



WINDOW TYPE O

3/8" = 1'-0"

O



WINDOW TYPE P

3/8" = 1'-0"

P

WINDOW TYPE Q

3/8" = 1'-0"

Q

WINDOW TYPE R

3/8" = 1'-0"

R

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PROJECT
JOHNSON HALL RENOVATION - PKG 3
JOHNSON HALL RENOVATION & FOSTER DEMOLITION
SBC Nº 364/011-04-2022CM

LOCATION
COOKEVILLE, TN

OWNER
TENNESSEE TECH. UNIVERSITY

SEAL

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NO.	DESCRIPTION	DATE
4	Addendum 1 - PKG 3	5-16-25
7	Addendum 3 - PKG 3	6-11-25

JOB NO. 22025

ISSUE DATE 3-28-25

SHEET TITLE
WINDOW TYPES

DRAWN CWD

REVIEW KAC

A2.5

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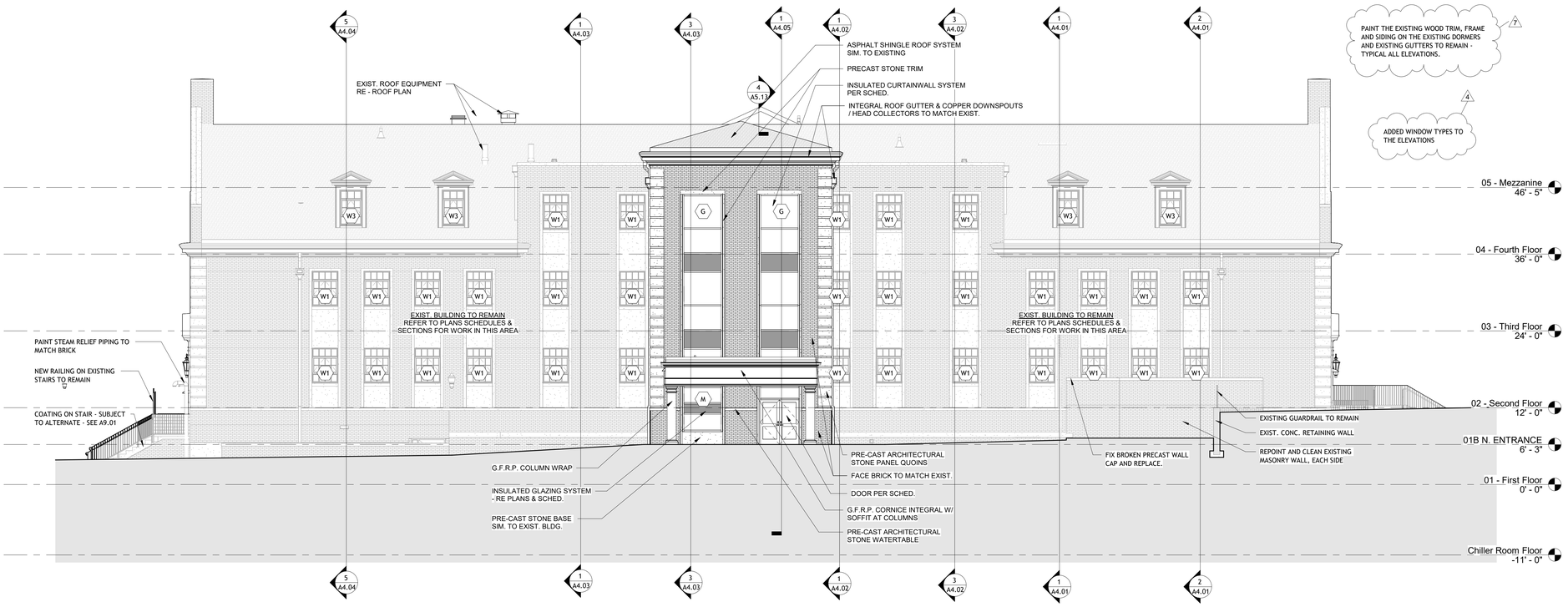
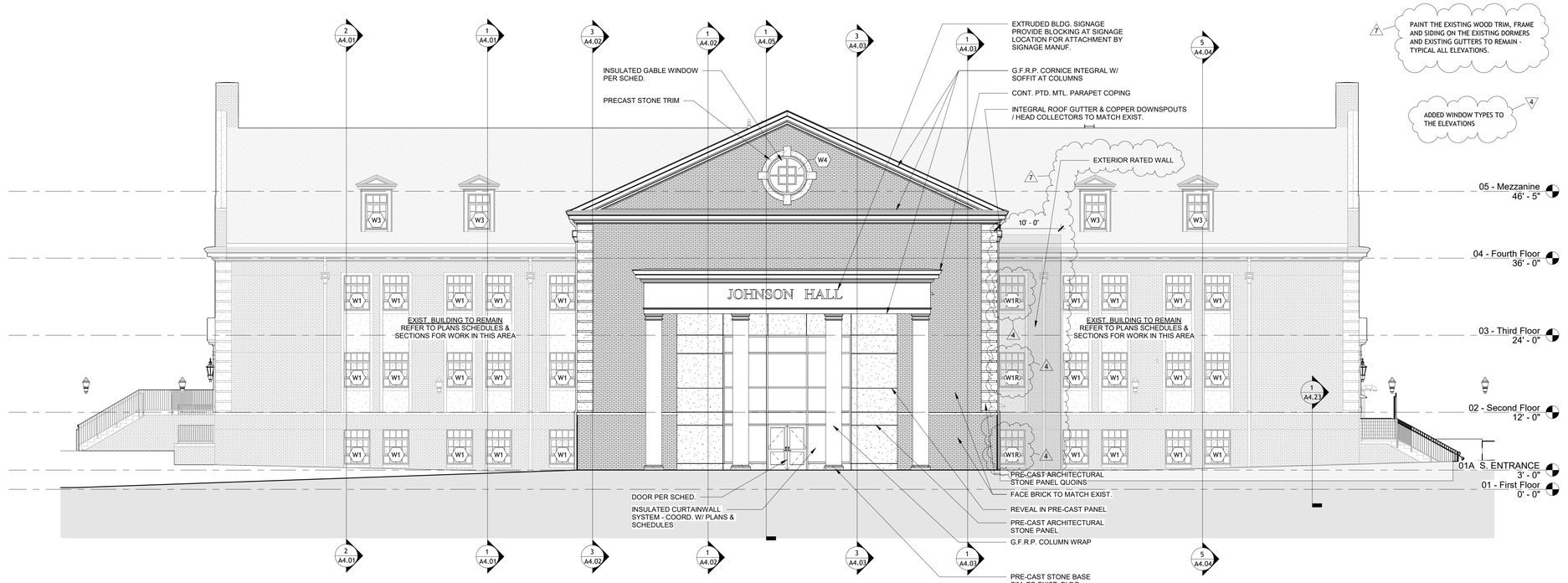


ELEVATION - PLAN NORTH (1)

1/8" = 1'-0"



ELEVATION - PLAN SOUTH (2)

1/8" = 1'-0"

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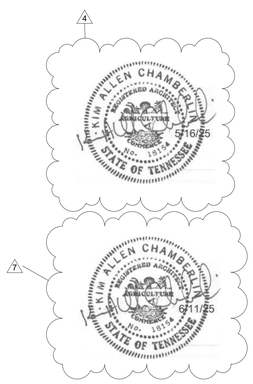

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22025

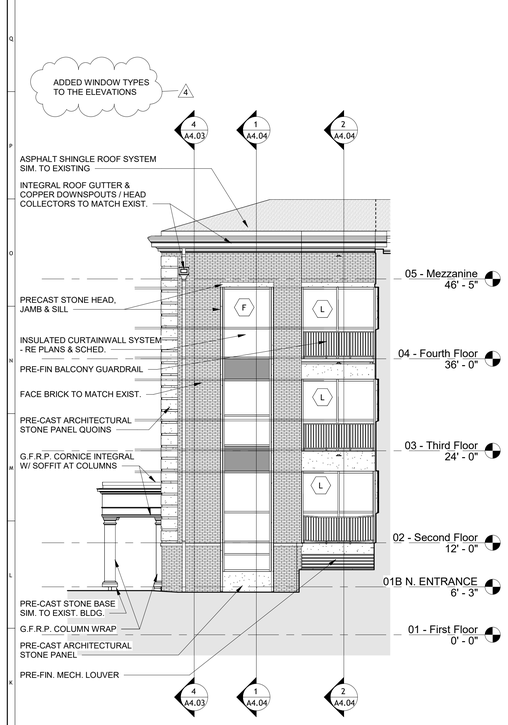
ISSUE DATE
3-28-25

SHEET TITLE
EXTERIOR ELEVATIONS

DRAWN
CWD

REVIEW
KAC

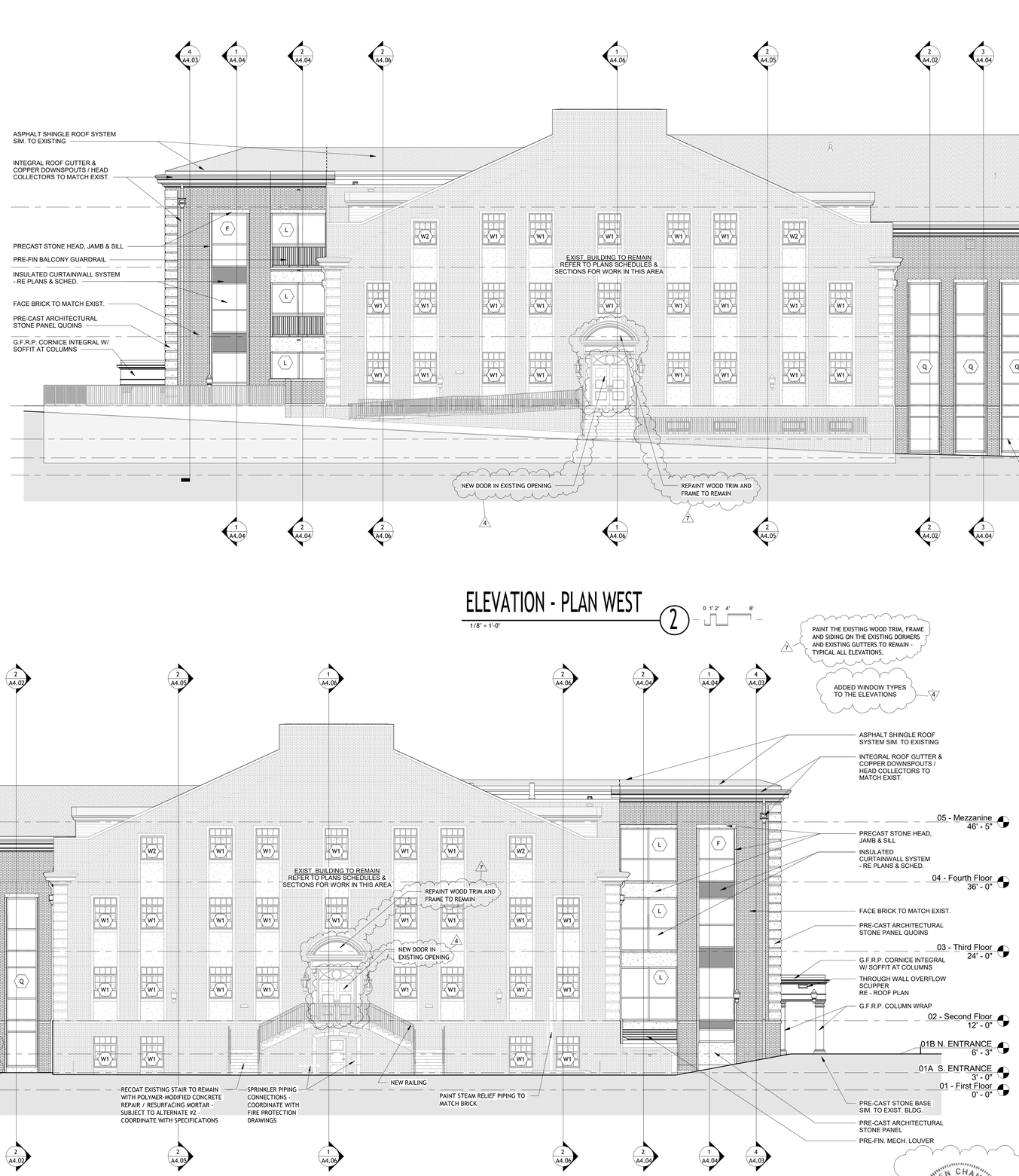
A3.01



ELEVATION - PLAN WEST 1

1/8" = 1'-0"

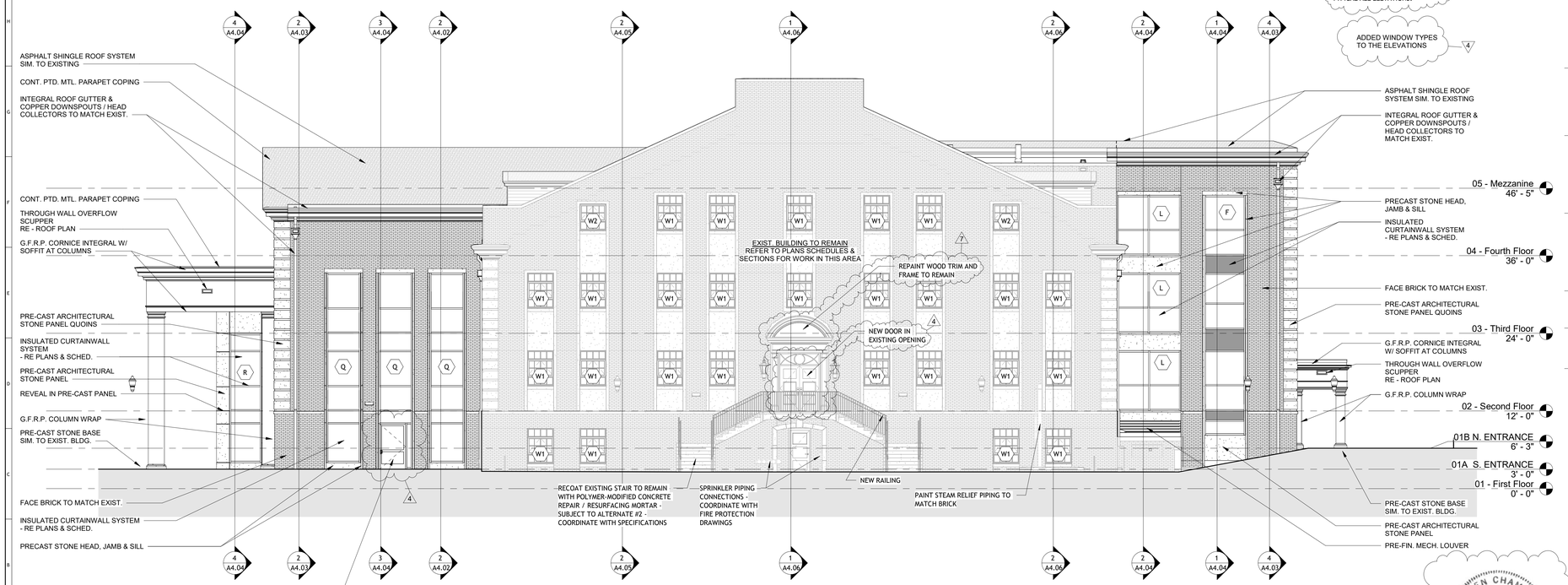
0 1'2' 4' 8'



ELEVATION - PLAN WEST 2

1/8" = 1'-0"

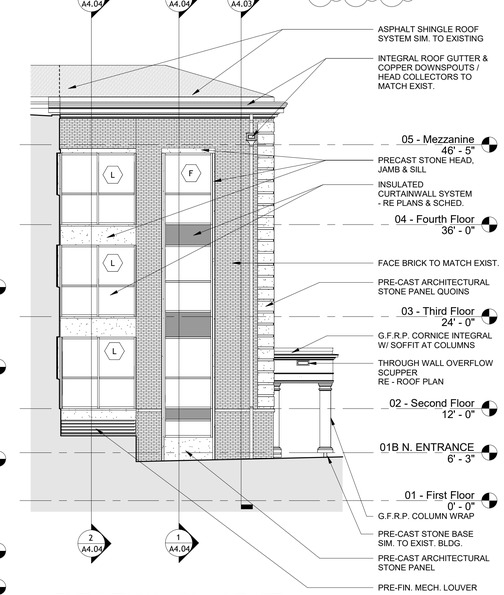
0 1'2' 4' 8'



ELEVATION - PLAN EAST 3

1/8" = 1'-0"

0 1'2' 4' 8'



ELEVATION - PLAN EAST 4

1/8" = 1'-0"

0 1'2' 4' 8'

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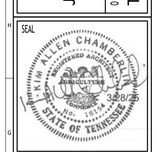

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SHEET TITLE
EXTERIOR ELEVATIONS

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REVIEW
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A3.02

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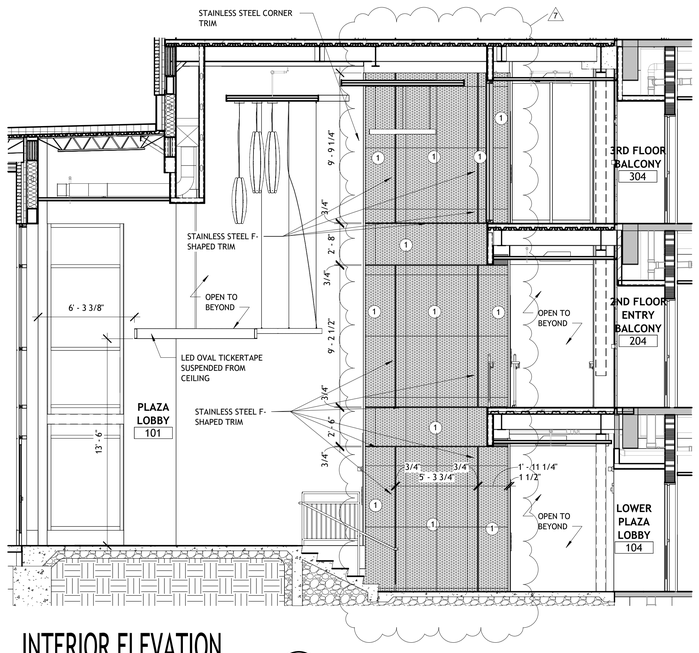
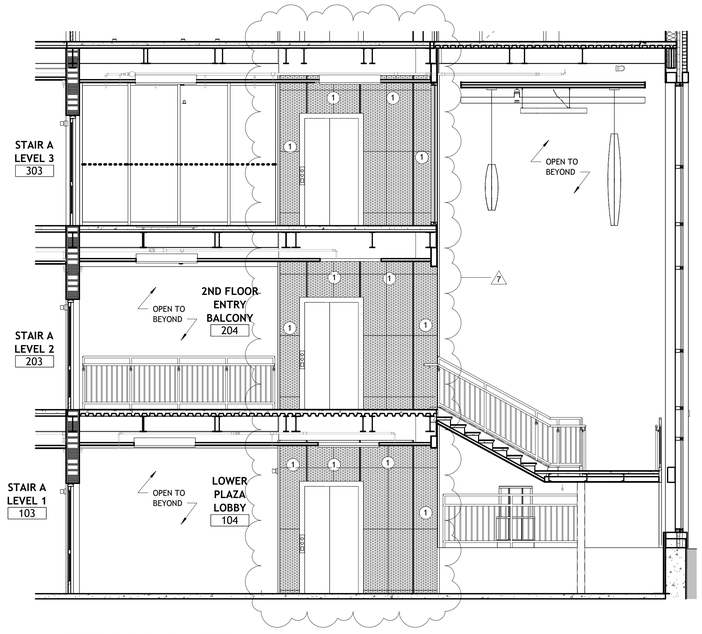


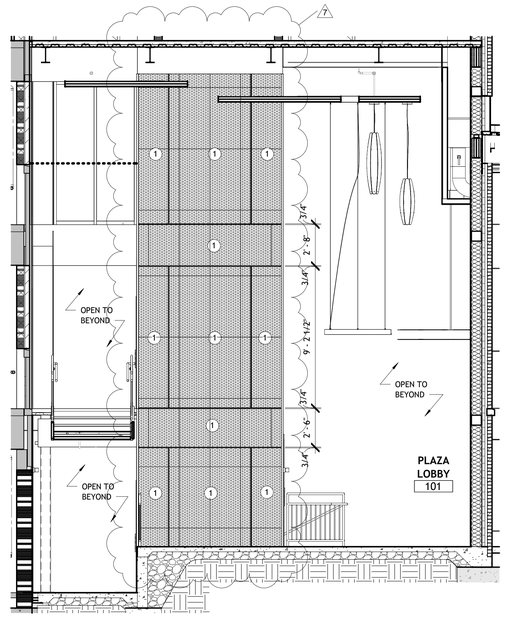
INTERIOR ELEVATION 1

1/4" = 1'-0"



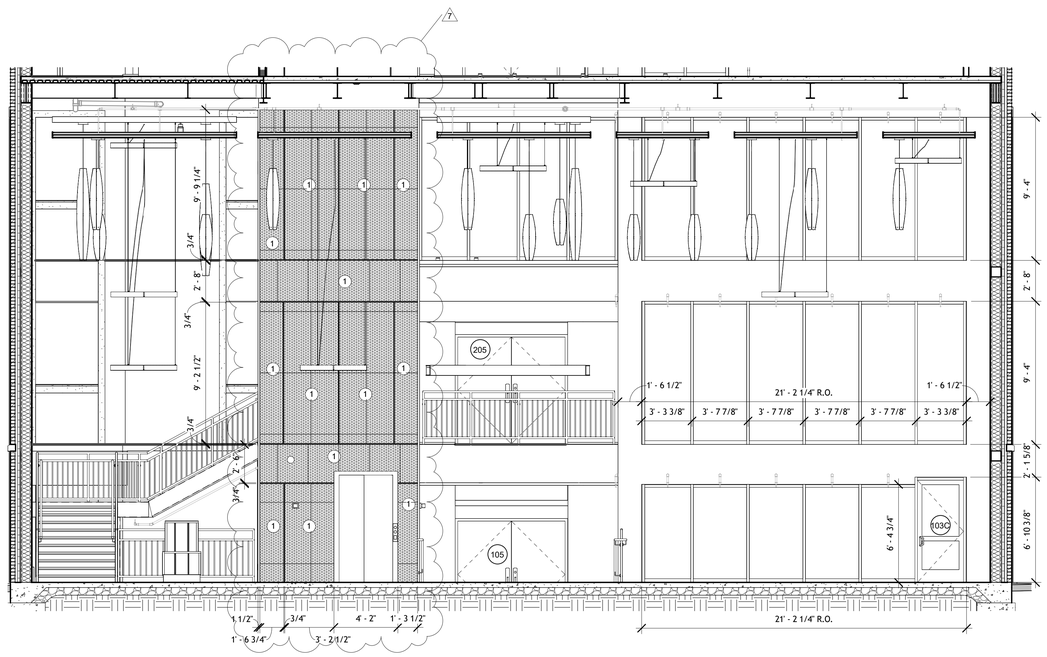
INTERIOR ELEVATION 2

1/4" = 1'-0"



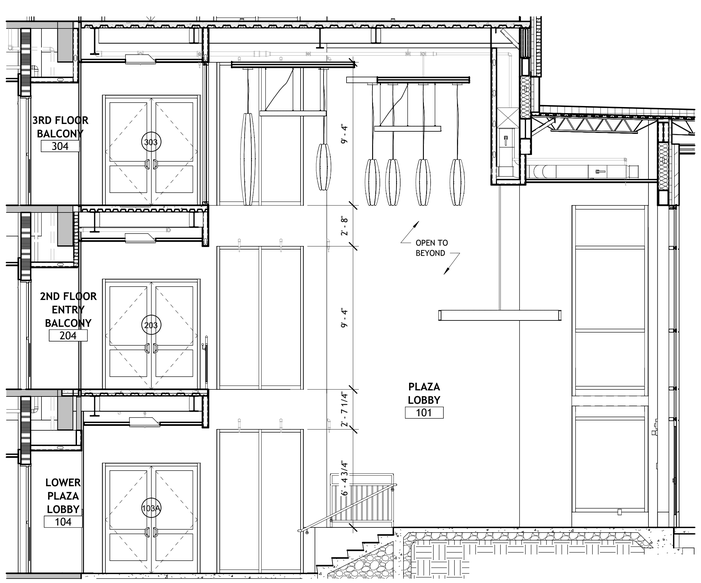
INTERIOR ELEVATION 3

1/4" = 1'-0"



INTERIOR ELEVATION 4

1/4" = 1'-0"



INTERIOR ELEVATION 5

1/4" = 1'-0"

LARGE FORMAT TILE

7

1 — LARGE FORMAT WALL TILE PANELS - 24" X48" - FIELD COLOR - COORDINATE WITH FINISH PLANS

2 — NOT USED

NOTES:
OUTSIDE CORNERS - STAINLESS STEEL HEAVY DUTY EDGE-PROTECTION OUTSIDE CORNER TRIM SIMILAR TO SCHLUTER ECK-E OR APPROVED EQUAL. COORDINATE THICKNESS WITH TILE AND TILE BED. - SEE DETAIL -/-

BETWEEN PANELS - STAINLESS STEEL "F" SHAPED CHANNEL TRIM WITH 1/2" CLEAR CHANNEL WIDTH SIMILAR TO SCHLUTER DECO-SG OR APPROVED EQUAL. COORDINATE THICKNESS WITH TILE AND TILE BED. DECORATIVE STRIPS BETWEEN PANELS AS SHOWN ON INTERIOR ELEVATIONS

AT PORCELAIN FLOOR TILE TO LARGE FORMAT PORCELAIN WALL TILE TRANSITION - STAINLESS STEEL COVE-SHAPED PROFILE EDGE TRIM SIMILAR TO SCHLUTER - DILEX-EHK

COORDINATE PLACEMENT OF BETWEEN PANEL TRIM PIECES WITH MAXIMUM SIZE OF LARGE FORMAT TILE PANELS. PROVIDE STANDARD JOINT BETWEEN PANELS WHERE STAINLESS STEEL TRIM IS NOT SHOWN.

7

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SHEET TITLE
INTERIOR ELEVATIONS

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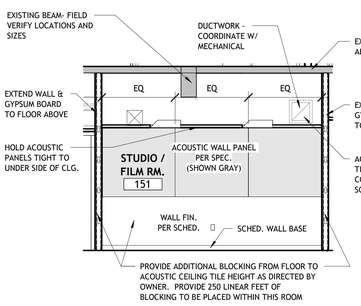
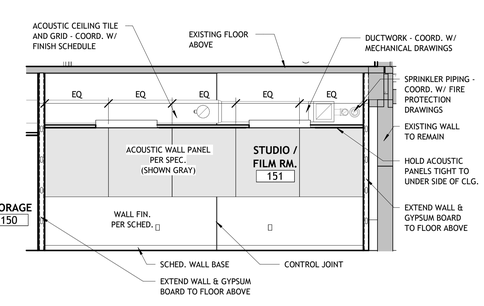
REVIEW KAC

A6.05



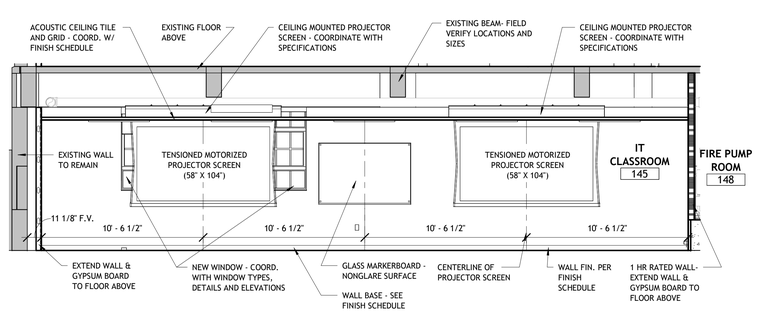
FILM STUDIO 1

1/4" = 1'-0"



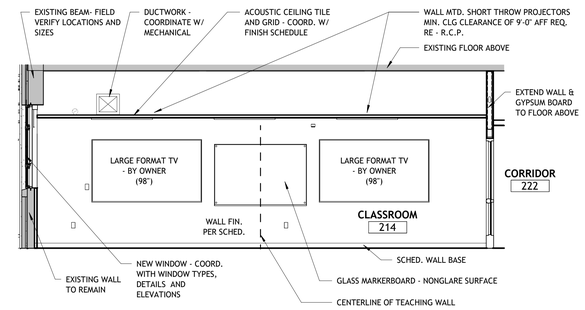
FILM STUDIO 2

1/4" = 1'-0"



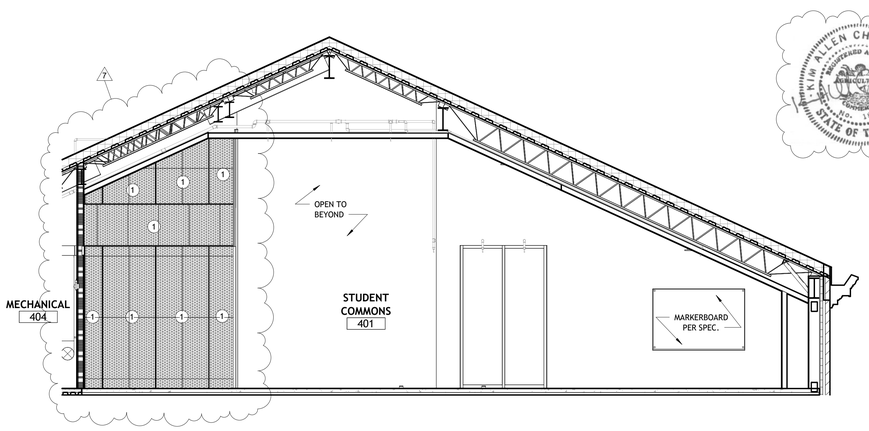
IT LAB TEACHING WALL 3

1/4" = 1'-0"



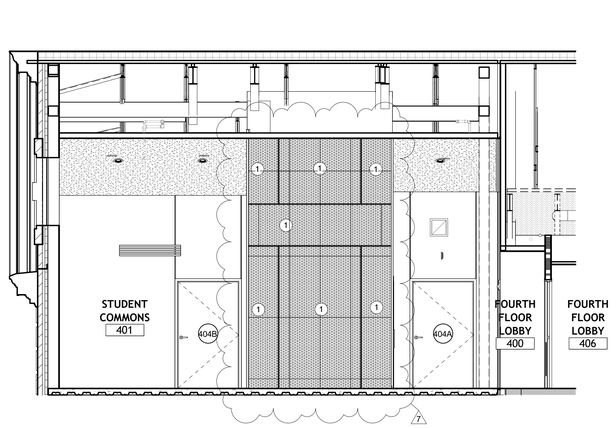
INTERIOR ELEVATION 4

1/4" = 1'-0"



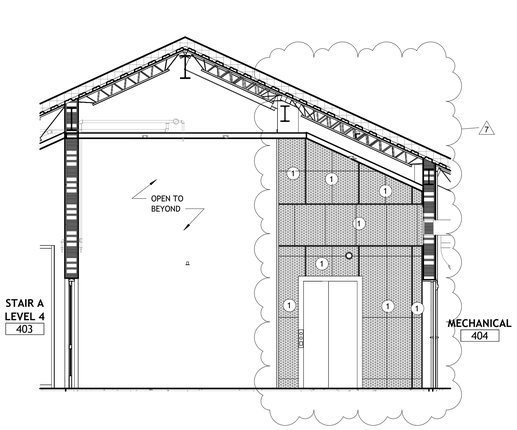
STUDENT COMMONS 5

1/4" = 1'-0"



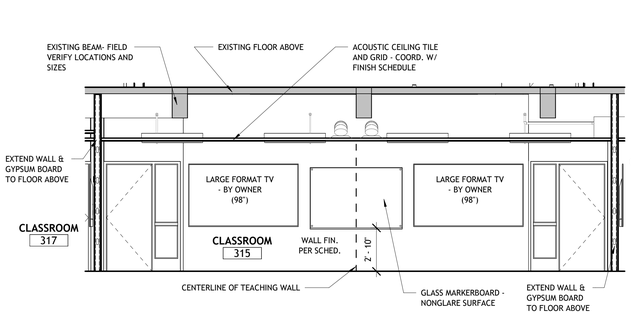
STUDENT COMMONS 6

1/4" = 1'-0"



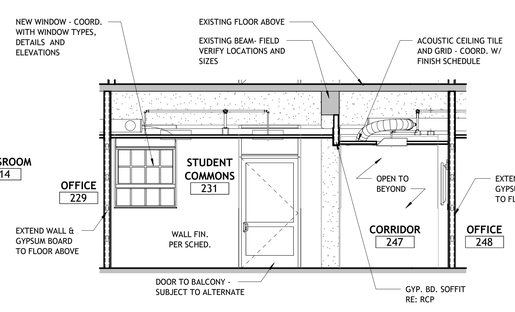
STUDENT COMMONS 7

1/4" = 1'-0"



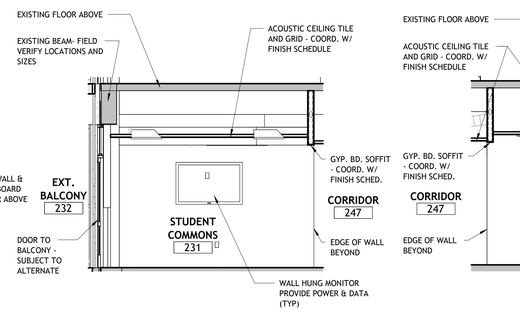
ROOM 315 TEACHING WALL 8

1/4" = 1'-0"



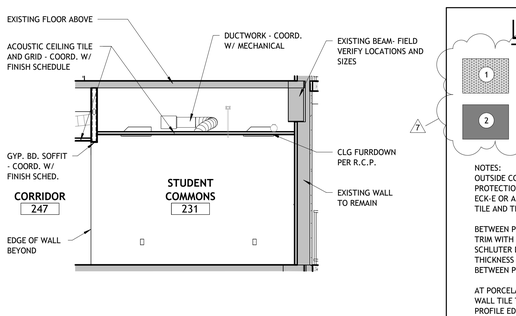
STUDENT COMMONS NORTH 9

1/4" = 1'-0"



STUDENT COMMONS EAST 10

1/4" = 1'-0"



STUDENT COMMONS WEST 11

1/4" = 1'-0"

LARGE FORMAT TILE

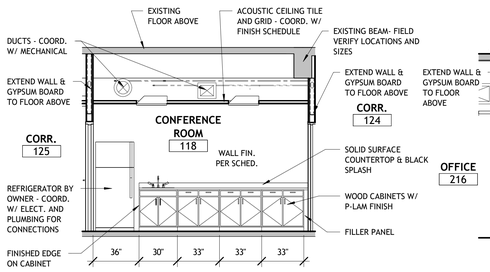
1. LARGE FORMAT WALL TILE PANELS - 24" X48" - FIELD COLOR - COORDINATE WITH FINISH PLANS
2. NOT USED

NOTES:
OUTSIDE CORNERS - STAINLESS STEEL HEAVY DUTY EDGE-PROTECTION OUTSIDE CORNER TRIM SIMILAR TO SCHLUTER ECK-E OR APPROVED EQUAL. COORDINATE THICKNESS WITH TILE AND TILE BED. - SEE DETAIL -/-

BETWEEN PANELS - STAINLESS STEEL "F" SHAPED CHANNEL TRIM WITH 1/2" CLEAR CHANNEL WIDTH SIMILAR TO SCHLUTER DECO-SG OR APPROVED EQUAL. COORDINATE THICKNESS WITH TILE AND TILE BED. DECORATIVE STRIPS BETWEEN PANELS AS SHOWN ON INTERIOR ELEVATIONS

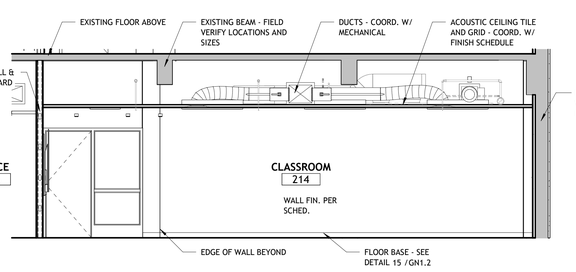
AT PORCELAIN FLOOR TILE TO LARGE FORMAT PORCELAIN WALL TILE TRANSITION - STAINLESS STEEL COVE-SHAPED PROFILE EDGE TRIM SIMILAR TO SCHLUTER - DILEX-EHK

COORDINATE PLACEMENT OF BETWEEN PANEL TRIM PIECES WITH MAXIMUM SIZE OF LARGE FORMAT TILE PANELS. PROVIDE STANDARD JOINT BETWEEN PANELS WHERE STAINLESS STEEL TRIM IS NOT SHOWN.



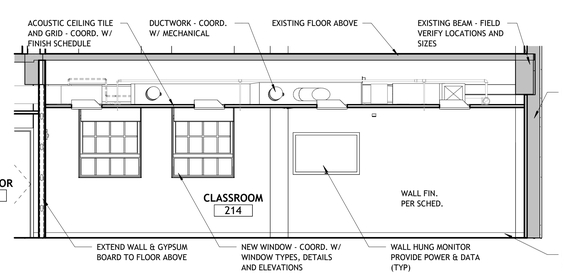
ROOM 118 ELEVATION 12

1/4" = 1'-0"



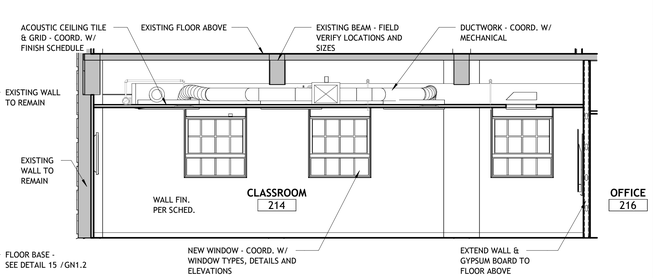
INTERIOR ELEVATION 13

1/4" = 1'-0"



INTERIOR ELEVATION 14

1/4" = 1'-0"



INTERIOR ELEVATION 15

1/4" = 1'-0"

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www.wocc.com

PROJECT
JOHNSON HALL RENOVATION - PKG 3
JOHNSON HALL RENOVATION & FOSTER DEMOLITION
SBC Nº 364/011-04-2022CM

LOCATION
COOKEVILLE, TN

OWNER
TENNESSEE TECH. UNIVERSITY

SEAL
3/28/25

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NO.	DESCRIPTION	DATE
7	Addendum 3 - PKG 3	6-11-25

JOB NO. 22025

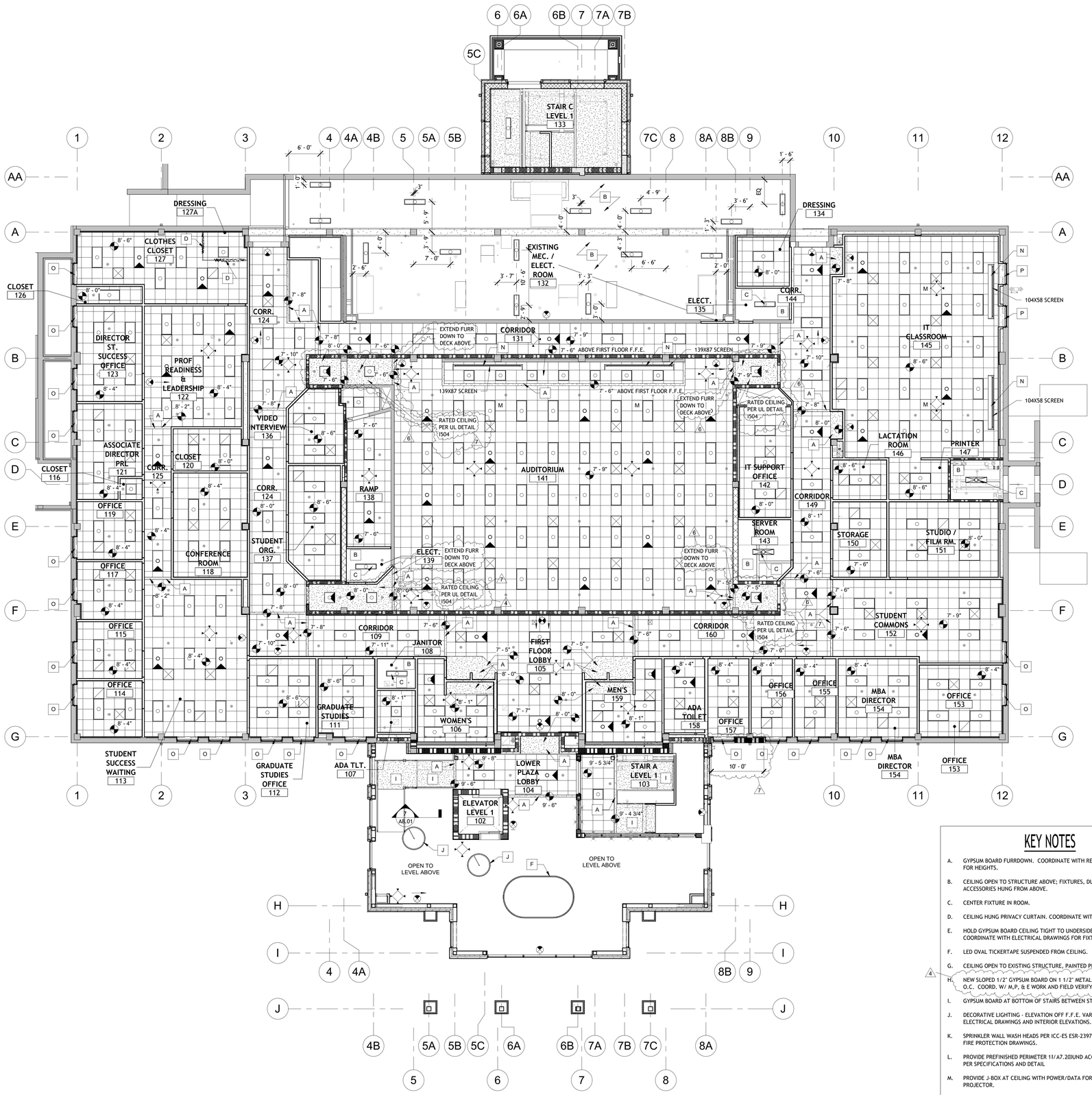
ISSUE DATE 3-28-25

SHEET TITLE INTERIOR ELEVATIONS

DRAWN CWD

REVIEW KAC

A6.06



REFLECTED CEILING PLAN - 1st FLR

1/8" = 1'-0"

PLAN NORTH TRUE NORTH

LEGEND OF SYMBOLS

- 2' x 2' LAY-IN CEILING GRID
- 2' x 2' LAY-IN CEILING GRID W/ 4" ACOUSTICAL CEILING EDGE TRIM - SEE SPEC SECTION 09 53 00
- GYPSUM BOARD CEILING
- CLG OPEN TO EXIST. TECTUM STRUCT. DECK TO REMAIN EXPOSED
- 2' x 4' RECESSED LIGHT FIXTURE
- 2' x 2' RECESSED LIGHT FIXTURE
- 2' x 4' RECESSED LIGHT FIXTURE - EMERGENCY
- 2' x 2' RECESSED LIGHT FIXTURE - EMERGENCY
- 1' x 4' SURFACE MOUNT OR SUSPENDED LIGHT FIXTURE
- 2' X 4' SURFACE MOUNT OR SUSPENDED LIGHT FIXTURE
- RECESSED LUMINAIRE
- SURFACE MOUNT OR SUSPENDED LUMINAIRE
- WALL MOUNTED VANITY FIXTURE
- WALL MOUNTED LINEAR SCONCE
- EXIT SIGN - SINGLE OR DOUBLE FACE, WALL OR CLG. MOUNTED, COORDINATE WITH ELECTRICAL DRAWINGS. DIRECTIONAL ARROWS SHALL BE PROVIDED AS SHOWN. EXIT SIGN SHALL BE ON THE LIFE-SAFETY CIRCUIT OF THE GENERATOR FOR OPERATION DURING LOSS OF NORMAL BUILDING POWER.
- SUPPLY DIFFUSER
- EF EXHAUST FAN
- RETURN GRILLE
- EH ELECTRIC HEATER
- OCCUPANCY SENSOR
- SMOKE DETECTOR (CEILING MOUNTED)

GENERAL NOTES

1. LIGHTS, HVAC DIFFUSERS AND EXHAUST VENTS ARE SHOWN FOR REFERENCE ONLY AND MAY NOT BE ALL INCLUSIVE. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL ITEMS.
2. REFER TO FP1.1 THROUGH FP1.5 FOR SPRINKLER HEAD LOCATIONS. SPRINKLER HEADS ARE TO BE CENTERED WITHIN CEILING TILES - TYPICAL.
3. PROVIDE ROLLER SHADES AT WINDOWS AS NOTED ON PLANS.

RATED WALL SYMBOL LEGEND

1-HOUR FIRE BARRIER

FLOOR TO UNDERSIDE OF DECK ABOVE AT CONC. BLOCK LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U905 (NONBEARING) AND UL DESIGN U905 (LOAD BEARING), TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0022 (WALL PERPENDICULAR TO DECK) OR HW-D-0030 (WALL PARALLEL TO DECK FLUTES)

AT GYPSUM BOARD WALL LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U419 WITH; TERMINATE AT METAL DECK WITH UL SYSTEM HW-D-0024 (WALL PERPENDICULAR TO DECK FLUTES) OR HW-D-0029 (WALL PARALLEL TO DECK FLUTES)

2-HOUR FIRE BARRIER

FLOOR TO UNDERSIDE OF DECK ABOVE AT CONC. BLOCK LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U905 (NONBEARING) AND UL DESIGN U905 (LOAD BEARING), TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0022 (WALL PERPENDICULAR TO DECK FLUTES) OR HW-D-0030 (WALL PARALLEL TO DECK FLUTES)

AT GYPSUM BOARD WALL LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U419 WITH; TERMINATE AT METAL DECK WITH UL SYSTEM HW-D-0024 (WALL PERPENDICULAR TO DECK FLUTES) OR HW-D-0029 (WALL PARALLEL TO DECK FLUTES)

SHAFT WALL - PER IBC 2012-SECTION 713.2
USE UL DESIGN U415, TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0549 (FLOOR OR ROOF DECK WITH FLUTES) OR HW-D-0480 (FLOOR OR ROOF DECK WITHOUT FLUTES)

SMOKE PARTITION PER IBC 2012 SECTION 710 AND NFPA 8.3.4.2, WALL SHALL EXTEND TO DECK.

NOTES:
ALL INTERIOR WALLS SHALL EXTEND TO DECK ABOVE UNLESS NOTED OTHERWISE.

PROVIDE 3' HIGH, BRIGHT RED STENCILED LETTERS VISIBLE ABOVE CEILING AT ALL CHANGES IN DIRECTION AND AT 30' INTERVALS ALONG ALL RATED WALLS READING: "____ HOUR FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS." (INCORPORATE CORRECT WALL DESIGNATIONS) FIRE WALLS SHALL BE STENCILED ON BOTH SIDES OF WALLS.

KEY NOTES

A. GYPSUM BOARD FURRDOWN. COORDINATE WITH REFLECTED CEILING PLANS FOR HEIGHTS.

B. CEILING OPEN TO STRUCTURE ABOVE; FIXTURES, DUCTWORK & CEILING ACCESSORIES HUNG FROM ABOVE.

C. CENTER FIXTURE IN ROOM.

D. CEILING HUNG PRIVACY CURTAIN. COORDINATE WITH SPECIFICATIONS.

E. HOLD GYPSUM BOARD CEILING TIGHT TO UNDERSIDE OF STRUCTURE. COORDINATE WITH ELECTRICAL DRAWINGS FOR FIXTURES.

F. LED OVAL TICKERTAPE SUSPENDED FROM CEILING.

G. CEILING OPEN TO EXISTING STRUCTURE, PAINTED PER FINISH SCHEDULE.

H. NEW SLOPED 1/2" GYPSUM BOARD ON 1 1/2" METAL HAT CHANNELS @ 16" O.C. COORD. W/ M,P, & E WORK AND FIELD VERIFY EXISTING CONDITIONS.

I. GYPSUM BOARD AT BOTTOM OF STAIRS BETWEEN STAIR STRINGERS.

J. DECORATIVE LIGHTING - ELEVATION OFF F.F.E. VARIES - COORDINATE WITH ELECTRICAL DRAWINGS AND INTERIOR ELEVATIONS.

K. SPRINKLER WALL WASH HEADS PER ICC-ES ESR-2397. COORDINATE WITH FIRE PROTECTION DRAWINGS.

L. PROVIDE PREFINISHED PERIMETER 11/A7.20UND ACOUSTIC CEILING CLOUD PER SPECIFICATIONS AND DETAIL

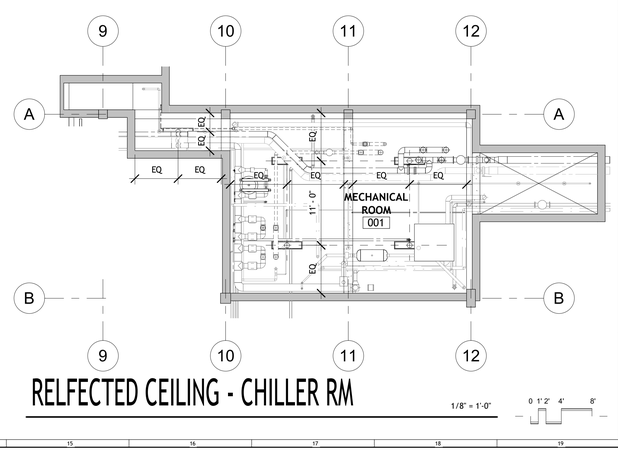
M. PROVIDE J-BOX AT CEILING WITH POWER/DATA FOR OWNER PROVIDED PROJECTOR.

N. PROVIDE POWER AND CONTROL CONNECTIONS FOR CEILING HUNG PROJECTOR SCREEN. PROJECTOR PROVIDED BY OWNER.

O. WINDOW SHADE- MOUNT TO EXISTING STRUCTURE ABOVE WINDOW

P. DUAL BLACKOUT WINDOW SHADE- MOUNT TO EXISTING STRUCTURE ABOVE WINDOW

Q. 2" EXPANSION JOINT CEILING COVER



RELFECTED CEILING - CHILLER RM

1/8" = 1'-0"

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W&O Construction
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150 Construction Drive
Ph.: (931) 403-1000
www.wocc.com

PROJECT
JOHNSON HALL RENOVATION - PKG 3
JOHNSON HALL RENOVATION & FOSTER DEMOLITION
SBC Nº 364/011-04-2022CM

LOCATION
COOKEVILLE, TN

OWNER
TENNESSEE TECH. UNIVERSITY

SEAL

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NO.	DESCRIPTION	DATE
4	Addendum 1 - PKG 3	5-16-25
6	Addendum 2 - PKG 3	5-22-25
7	Addendum 3 - PKG 3	6-11-25

JOB NO.
22025

ISSUE DATE
3-28-25

SHEET TITLE
REFLECTED CEILING PLANS - FIRST FLOOR

DRAWN
CWD

REVIEW
KAC

A7.10

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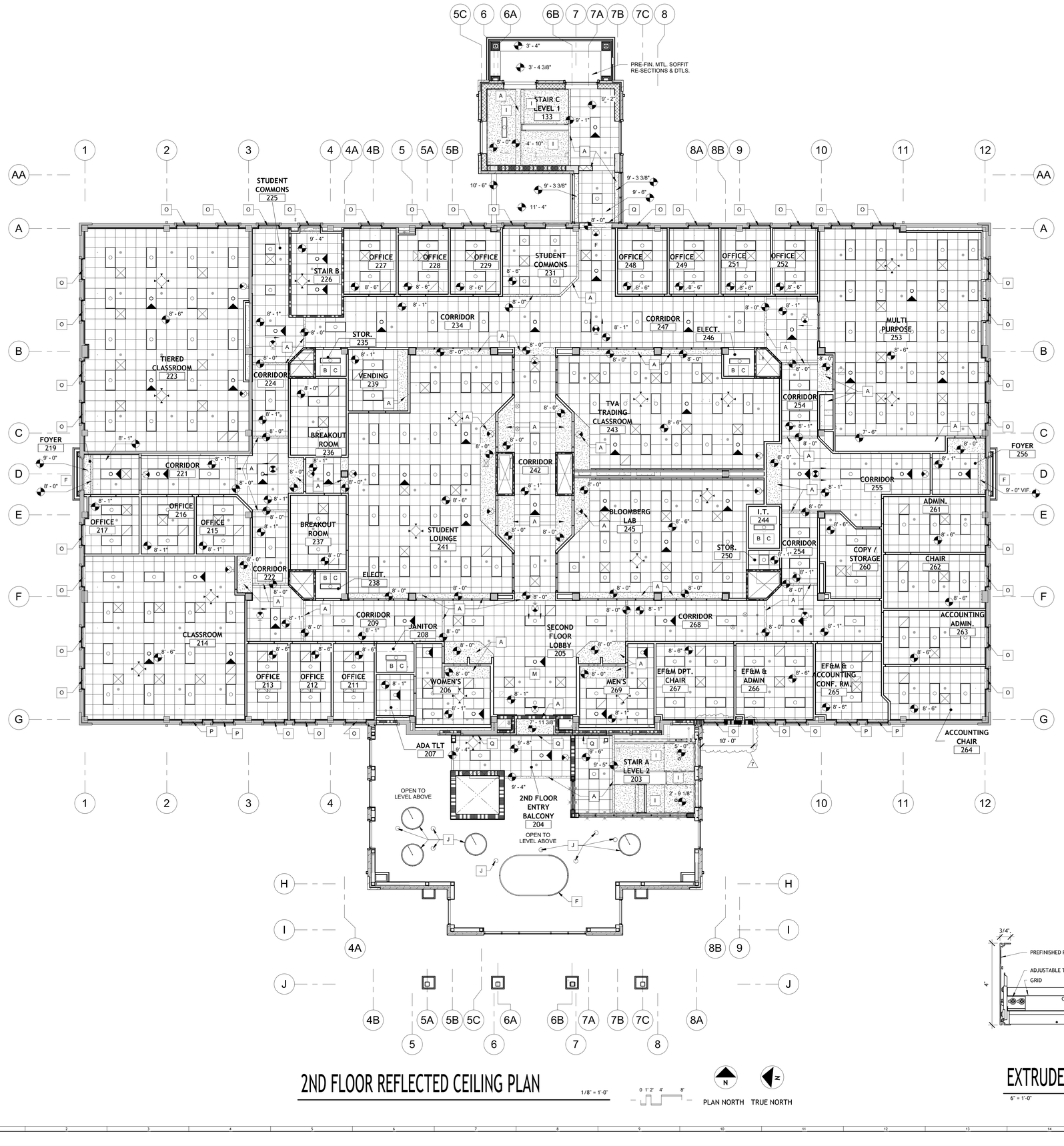

2ND FLOOR REFLECTED CEILING PLAN

1/8" = 1'-0"

PLAN NORTH TRUE NORTH

LEGEND OF SYMBOLS

- 2' x 2' LAY-IN CEILING GRID
- 2' x 2' LAY-IN CEILING GRID W/ 4" ACOUSTICAL CEILING EDGE TRIM - SEE SPEC SECTION 09 53 00
- GYPSUM BOARD CEILING
- CLG OPEN TO EXIST. TECTUM STRUCT. DECK TO REMAIN EXPOSED
- 2' x 4' RECESSED LIGHT FIXTURE
- 2' x 2' RECESSED LIGHT FIXTURE
- 2' x 4' RECESSED LIGHT FIXTURE - EMERGENCY
- 2' x 2' RECESSED LIGHT FIXTURE - EMERGENCY
- 1' x 4' SURFACE MOUNT OR SUSPENDED LIGHT FIXTURE
- 2' X 4' SURFACE MOUNT OR SUSPENDED LIGHT FIXTURE
- RECESSED LUMINAIRE
- SURFACE MOUNT OR SUSPENDED LUMINAIRE
- WALL MOUNTED VANITY FIXTURE
- WALL MOUNTED LINEAR SCONCE
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- SUPPLY DIFFUSER
- EF EXHAUST FAN
- RETURN GRILLE
- EH ELECTRIC HEATER
- OCCUPANCY SENSOR
- SMOKE DETECTOR (CEILING MOUNTED)

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KEY NOTES

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C. CENTER FIXTURE IN ROOM.

D. CEILING HUNG PRIVACY CURTAIN. COORDINATE WITH SPECIFICATIONS.

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F. LED OVAL TICKERTAPE SUSPENDED FROM CEILING.

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K. SPRINKLER WALL WASH HEADS PER ICC-ES ESR-2397. COORDINATE WITH FIRE PROTECTION DRAWINGS.

L. PROVIDE PREFINISHED PERIMETER 11/A7.20UND ACOUSTIC CEILING CLOUD PER SPECIFICATIONS AND DETAIL

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Q. 2" EXPANSION JOINT CEILING COVER

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2-HOUR FIRE BARRIER

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NOTES:
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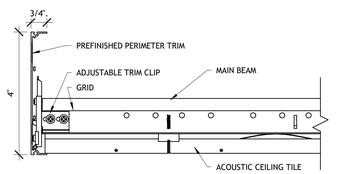
PROVIDE 3" HIGH, BRIGHT RED STENCILED LETTERS VISIBLE ABOVE CEILING AT ALL CHANGES IN DIRECTION AND AT 30' INTERVALS ALONG ALL RATED WALLS READING: " ___ HOUR FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS." (INCORPORATE CORRECT WALL DESIGNATIONS) FIRE WALLS SHALL BE STENCILED ON BOTH SIDES OF WALLS.

EXTRUDED PERIMETER TRIM 1

6" = 1'-0"



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PROJECT
JOHNSON HALL RENOVATION - PKG 3
JOHNSON HALL RENOVATION & FOSTER DEMOLITION
SBC Nº 364/011-04-2022CM

LOCATION
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NO.	DESCRIPTION	DATE
4	Addendum 1 - PKG 3	5-16-25
7	Addendum 3 - PKG 2	6-11-25

JOB NO. 22025

ISSUE DATE 3-28-25

SHEET TITLE
REFLECTED CEILING PLAN - SECOND FLOOR

DRAWN CWD

REVIEW KAC

A7.20

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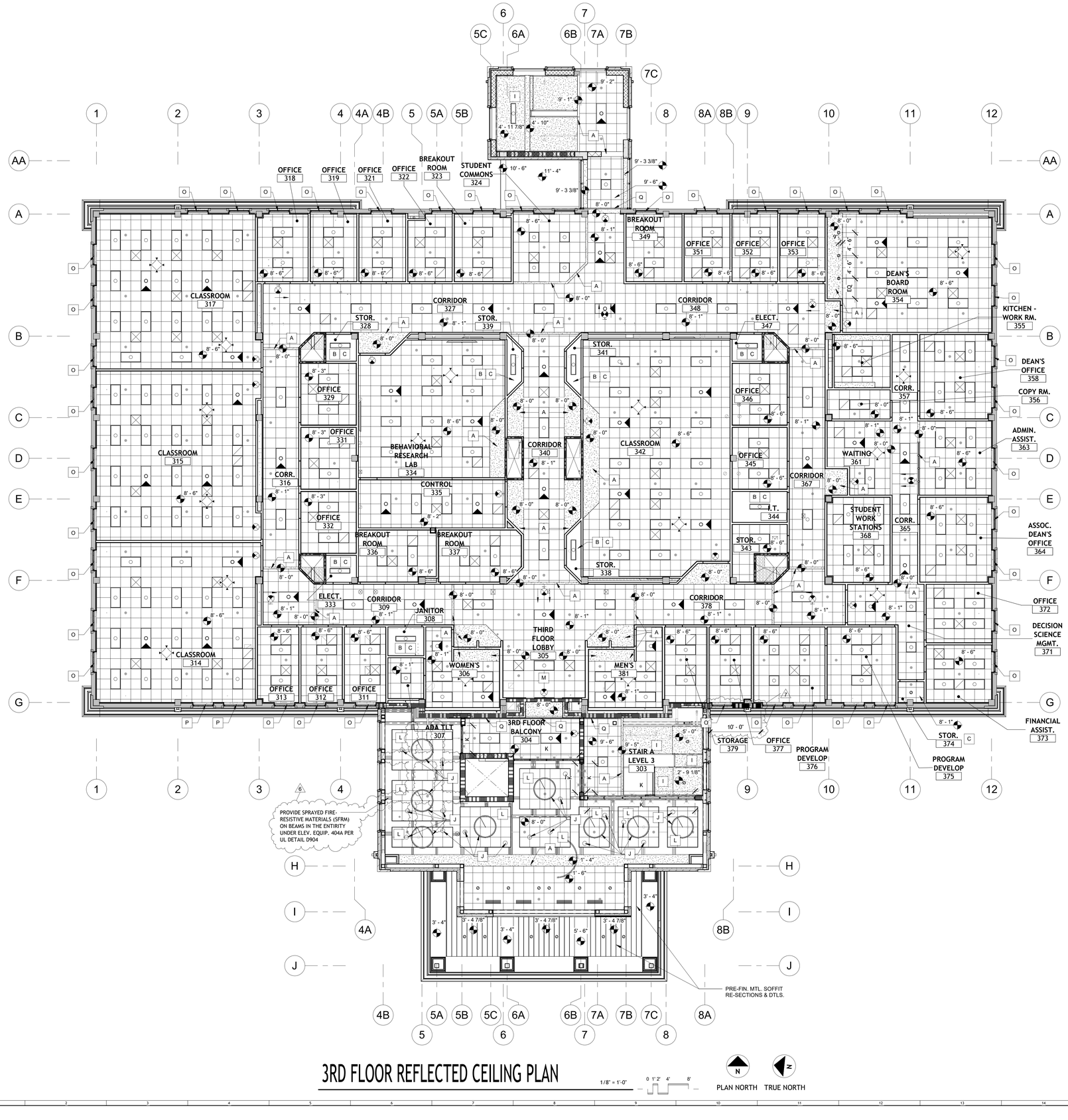

3RD FLOOR REFLECTED CEILING PLAN

1/8" = 1'-0"

PLAN NORTH TRUE NORTH

LEGEND OF SYMBOLS

- 2' x 2' LAY-IN CEILING GRID
- 2' x 2' LAY-IN CEILING GRID W/ 4" ACOUSTICAL CEILING EDGE TRIM - SEE SPEC SECTION 09 53 00
- GYPSUM BOARD CEILING
- CLG OPEN TO EXIST. TECTUM STRUCT. DECK TO REMAIN EXPOSED
- 2' x 4' RECESSED LIGHT FIXTURE
- 2' x 2' RECESSED LIGHT FIXTURE
- 2' x 4' RECESSED LIGHT FIXTURE - EMERGENCY
- 2' x 2' RECESSED LIGHT FIXTURE - EMERGENCY
- 1' x 4' SURFACE MOUNT OR SUSPENDED LIGHT FIXTURE
- 2' X 4' SURFACE MOUNT OR SUSPENDED LIGHT FIXTURE
- RECESSED LUMINAIRE
- SURFACE MOUNT OR SUSPENDED LUMINAIRE
- WALL MOUNTED VANITY FIXTURE
- WALL MOUNTED LINEAR SCONCE
- EXIT SIGN - SINGLE OR DOUBLE FACE, WALL OR CLG. MOUNTED, COORDINATE WITH ELECTRICAL DRAWINGS. DIRECTIONAL ARROWS SHALL BE PROVIDED AS SHOWN. EXIT SIGN SHALL BE ON THE LIFE-SAFETY CIRCUIT OF THE GENERATOR FOR OPERATION DURING LOSS OF NORMAL BUILDING POWER.
- SUPPLY DIFFUSER
- EF EXHAUST FAN
- RETURN GRILLE
- EH ELECTRIC HEATER
- OCCUPANCY SENSOR
- SMOKE DETECTOR (CEILING MOUNTED)

GENERAL NOTES

1. LIGHTS, HVAC DIFFUSERS AND EXHAUST VENTS ARE SHOWN FOR REFERENCE ONLY AND MAY NOT BE ALL INCLUSIVE. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL ITEMS.
2. REFER TO FP1.1 THROUGH FP1.5 FOR SPRINKLER HEAD LOCATIONS. SPRINKLER HEADS ARE TO BE CENTERED WITHIN CEILING TILES - TYPICAL.
3. PROVIDE ROLLER SHADES AT WINDOWS AS NOTED ON PLANS.

KEY NOTES

A. GYPSUM BOARD FURRDOWN. COORDINATE WITH REFLECTED CEILING PLANS FOR HEIGHTS.

B. CEILING OPEN TO STRUCTURE ABOVE; FIXTURES, DUCTWORK & CEILING ACCESSORIES HUNG FROM ABOVE.

C. CENTER FIXTURE IN ROOM.

D. CEILING HUNG PRIVACY CURTAIN. COORDINATE WITH SPECIFICATIONS.

E. HOLD GYPSUM BOARD CEILING TIGHT TO UNDERSIDE OF STRUCTURE. COORDINATE WITH ELECTRICAL DRAWINGS FOR FIXTURES.

F. LED OVAL TICKERTAPE SUSPENDED FROM CEILING.

G. CEILING OPEN TO STRUCTURE, PAINTED PER FINISH SCHEDULE.

H. NEW SLOPED 1'/2" GYPSUM BOARD ON 1 1/2" METAL HAT CHANNELS @ 16" O.C. COORD. W/ M,P, & E WORK AND FIELD VERIFY EXISTING CONDITIONS.

I. GYPSUM BOARD AT BOTTOM OF STAIRS BETWEEN STAIR STRINGERS.

J. DECORATIVE LIGHTING - ELEVATION OFF F.F.E. VARIES - COORDINATE WITH ELECTRICAL DRAWINGS AND INTERIOR ELEVATIONS.

K. SPRINKLER WALL WASH HEADS PER ICC-ES ESR-2397. COORDINATE WITH FIRE PROTECTION DRAWINGS.

L. PROVIDE PREFINISHED PERIMETER 11/A7.20UND ACOUSTIC CEILING CLOUD PER SPECIFICATIONS AND DETAIL

M. PROVIDE J-BOX AT CEILING WITH POWER/DATA FOR OWNER PROVIDED PROJECTOR.

N. PROVIDE POWER AND CONTROL CONNECTIONS FOR CEILING HUNG PROJECTOR SCREEN. PROJECTOR PROVIDED BY OWNER.

O. WINDOW SHADE- MOUNT TO EXISTING STRUCTURE ABOVE WINDOW

P. DUAL BLACKOUT WINDOW SHADE- MOUNT TO EXISTING STRUCTURE ABOVE WINDOW

Q. 2" EXPANSION JOINT CEILING COVER

RATED WALL SYMBOL LEGEND

1-HOUR FIRE BARRIER

FLOOR TO UNDERSIDE OF DECK ABOVE AT CONC. BLOCK LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U905 (NONBEARING) AND UL DESIGN U905 (LOAD BEARING), TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0022 (WALL PERPENDICULAR TO DECK) OR HW-D-0030 (WALL PARALLEL TO DECK FLUTES)

AT GYPSUM BOARD WALL LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U419 WITH; TERMINATE AT METAL DECK WITH UL SYSTEM HW-D-0024 (WALL PERPENDICULAR TO DECK FLUTES) OR HW-D-0029 (WALL PARALLEL TO DECK FLUTES)

2-HOUR FIRE BARRIER

FLOOR TO UNDERSIDE OF DECK ABOVE AT CONC. BLOCK LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U905 (NONBEARING) AND UL DESIGN U905 (LOAD BEARING), TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0022 (WALL PERPENDICULAR TO DECK FLUTES) OR HW-D-0030 (WALL PARALLEL TO DECK FLUTES)

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SHAFT WALL - PER IBC 2012-SECTION 713.2
USE UL DESIGN U415, TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0549 (FLOOR OR ROOF DECK WITH FLUTES) OR HW-D-0480 (FLOOR OR ROOF DECK WITHOUT FLUTES)

SMOKE PARTITION PER IBC 2012 SECTION 710 AND NFPA 8.3.4.2, WALL SHALL EXTEND TO DECK.

NOTES:
ALL INTERIOR WALLS SHALL EXTEND TO DECK ABOVE UNLESS NOTED OTHERWISE.

PROVIDE 3" HIGH, BRIGHT RED STENCILED LETTERS VISIBLE ABOVE CEILING AT ALL CHANGES IN DIRECTION AND AT 30' INTERVALS ALONG ALL RATED WALLS READING: " ___ HOUR FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS." (INCORPORATE CORRECT WALL DESIGNATIONS) FIRE WALLS SHALL BE STENCILED ON BOTH SIDES OF WALLS.

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PROJECT
JOHNSON HALL RENOVATION - PKG 3
JOHNSON HALL RENOVATION & FOSTER DEMOLITION
SBC Nº 364/011-04-2022CM

LOCATION
COOKEVILLE, TN

OWNER
TENNESSEE TECH. UNIVERSITY

SEAL
KIM ALLEN CHAMBERLIN — REGISTERED ARCHITECT — AGRICULTURE — No. 18134 — STATE OF TENNESSEE
5/16/25

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NO.	DESCRIPTION	DATE
4	Addendum 1 - PKG 3	5-16-25
6	Addendum 2 - PKG 3	5-22-25
7	Addendum 3 - PKG 3	6-11-25

JOB NO. 22025

ISSUE DATE 3-28-25

SHEET TITLE
REFLECTED CEILING PLAN - THIRD FLOOR

DRAWN CWD

REVIEW KAC

A7.30

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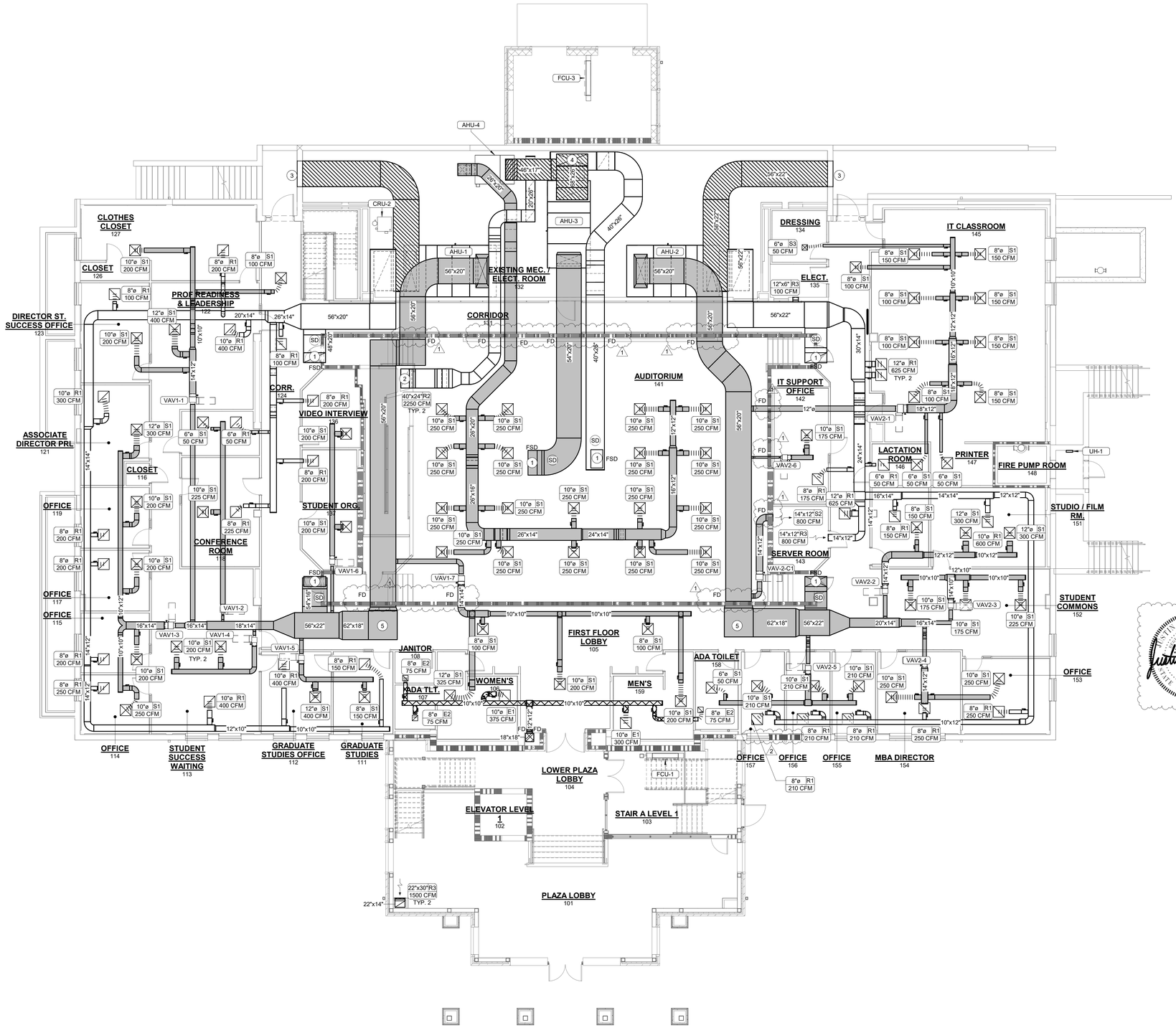

MECHANICAL NOTES

GENERAL NOTES
- A COORDINATE ROUTING OF DUCT/PIPING WITH OTHER TRADES
- B SEE MECHANICAL PIPING PLAN FOR HYDRONIC PIPING AND THERMOSTAT LOCATIONS

NUMBERED NOTES
1. UP TO ABOVE
2. DOWN TO RETURN GRILLE
3. MATCH EXISTING LOUVER SIZE LOCATED HERE. OUTSIDE AIR DUCT SIZED FOR FULL (100%) ECONOMIZER FLOW
4. UP TO CONCRETE OUTSIDE AIR PLENUM UNDERNEATH NEW STAIR STRUCTURE. COORDINATE WITH ARCHITECTURAL AND STRUCTURAL
5. DUCT PANCAKES IN THIS AREA TO AVOID CONCRETE BEAM INTERFERENCES

MECHANICAL LEGEND

- SUPPLY DIFFUSER
- RETURN AIR GRILLE
- SUPPLY / RETURN SIDEWALL GRILLE
- CONNECTION SIZE
- DIFFUSER / GRILLE CALLOUT (X" x X" - A / XXX CFM)
- AIRFLOW IN CFM
- FD — FIRE DAMPER - FUSIBLE LINK @ 165°F
- FSD — COMBINATION FIRE SMOKE DAMPER
- SD — SMOKE DETECTOR
- XX-1 — SCHEDULED ITEM LABEL
- T — THERMOSTAT
- SUPPLY DUCT
- RETURN DUCT
- OUTSIDE AIR DUCT
- EXHAUST DUCT
- FLEX DUCT
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RATED WALL SYMBOL LEGEND

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2-HOUR FIRE BARRIER

FLOOR TO UNDERSIDE OF DECK ABOVE AT CONC. BLOCK LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U905 (NONBEARING) AND UL DESIGN U905 (LOAD BEARING), TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0022 (WALL PERPENDICULAR TO DECK FLUTES) OR HW-D-0030 (WALL PARALLEL TO DECK FLUTES)

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1 M1.1 FIRST FLOOR MECHANICAL PLAN

SCALE: 1/8" = 1'-0" (WHEN PRINTED FULL SCALE ON 30"x42")

0' 4' 8' 16' 32'

NORTH

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PROJECT
JOHNSON HALL RENOVATION & FOSTER DEMOLITION
JOHNSON HALL RENOVATION - PKG. 2
SBC Nº 364/011-04-2022CM

LOCATION
COOKEVILLE, TN

OWNER
TENNESSEE TECH. UNIVERSITY

SEAL

Justin Blake Newell — 06/11/2025 — 2 — STATE OF TENNESSEE

Justin Blake Newell — 05/16/2025 — 1 — STATE OF TENNESSEE

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NO.	DESCRIPTION	DATE
1	ADDENDUM #1	2025/23/05
2	ADDENDUM #3	06/11/2025

JOB NO. 22089

ISSUE DATE 03/28/2025

SHEET TITLE FIRST FLOOR MECHANICAL PLAN

DRAWN AMF

REVIEW JBN

M1.1

MAFFETT LOFTIS ENGINEERING, LLC
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COOKEVILLE, TN 38501
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www.maffett-loftis.com

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MECHANICAL NOTES

GENERAL NOTES
- A COORDINATE ROUTING OF DUCT/PIPING WITH OTHER TRADES
- B SEE MECHANICAL PIPING PLAN FOR HYDRONIC PIPING AND THERMOSTAT LOCATIONS

NUMBERED NOTES
1. UP TO ABOVE

MECHANICAL LEGEND

- SUPPLY DIFFUSER
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- X" x X" A / XXX CFM — DIFFUSER / GRILLE CALLOUT; AIRFLOW IN CFM
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1 M1.2 SECOND FLOOR MECHANICAL PLAN

SCALE: 1/8" = 1'-0" (WHEN PRINTED FULL SCALE ON 30"x42")

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JOHNSON HALL RENOVATION - PKG. 2
SBC Nº 364/011-04-2022CM

LOCATION
COOKEVILLE, TN

OWNER
TENNESSEE TECH. UNIVERSITY

SEAL
JUSTIN BLAKE NEWELL, REGISTERED ENGINEER, STATE OF TENNESSEE
06/11/2025 (1) 05/16/2025 (2) 03/28/2025

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NO.	DESCRIPTION	DATE
1	ADDENDUM #1	2023/23 I/05 06/11/2025
2	ADDENDUM #3	

JOB NO. 22089

ISSUE DATE 03/28/2025

SHEET TITLE: SECOND FLOOR MECHANICAL PLAN

DRAWN AMF

REVIEW JBN

M1.2

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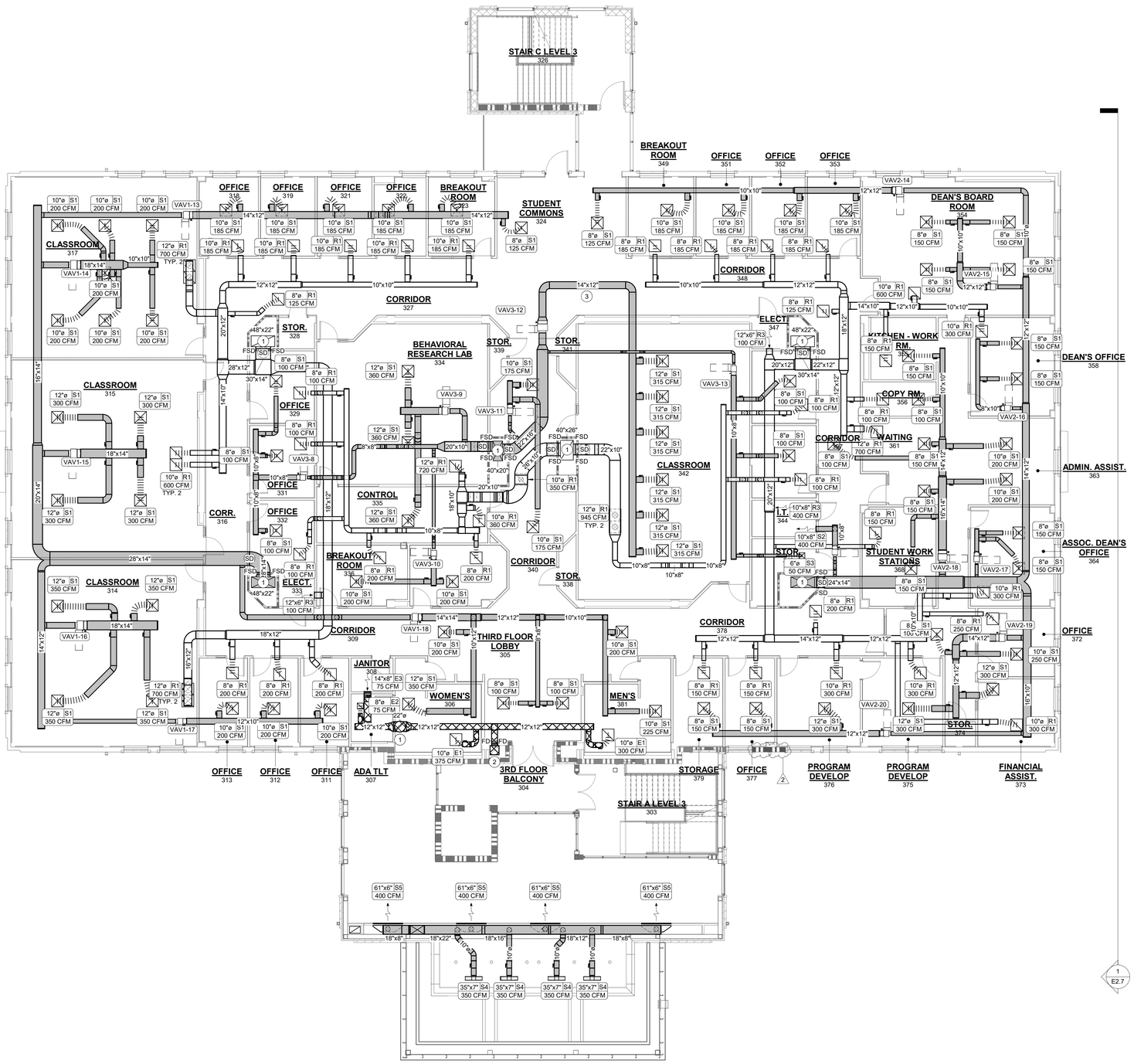

MECHANICAL NOTES

GENERAL NOTES
- A COORDINATE ROUTING OF DUCT/PIPING WITH OTHER TRADES
- B SEE MECHANICAL PIPING PLAN FOR HYDRONIC PIPING AND THERMOSTAT LOCATIONS

NUMBERED NOTES
1. 22" Ø UP TO ABOVE
2. UP FROM BELOW
3. DUCT ROUTED AROUND EXISTING STRUCTURE. COORDINATE WITH EXISTING CONDITIONS

MECHANICAL LEGEND

- SUPPLY DIFFUSER
- RETURN AIR GRILLE
- SUPPLY / RETURN SIDEWALL GRILLE
- CONNECTION SIZE
- DIFFUSER / GRILLE CALLOUT
- AIRFLOW IN CFM
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2-HOUR FIRE BARRIER

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1 M1.3 THIRD FLOOR MECHANICAL PLAN

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OWNER
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SEAL
JUSTIN BLAKE NEWELL — LICENSED PROFESSIONAL ENGINEER — STATE OF TENNESSEE
06/11/2025
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ISSUE DATE 03/28/2025

SHEET TITLE
THIRD FLOOR MECHANICAL PLAN

DRAWN AMF

REVIEW JBN

M1.3

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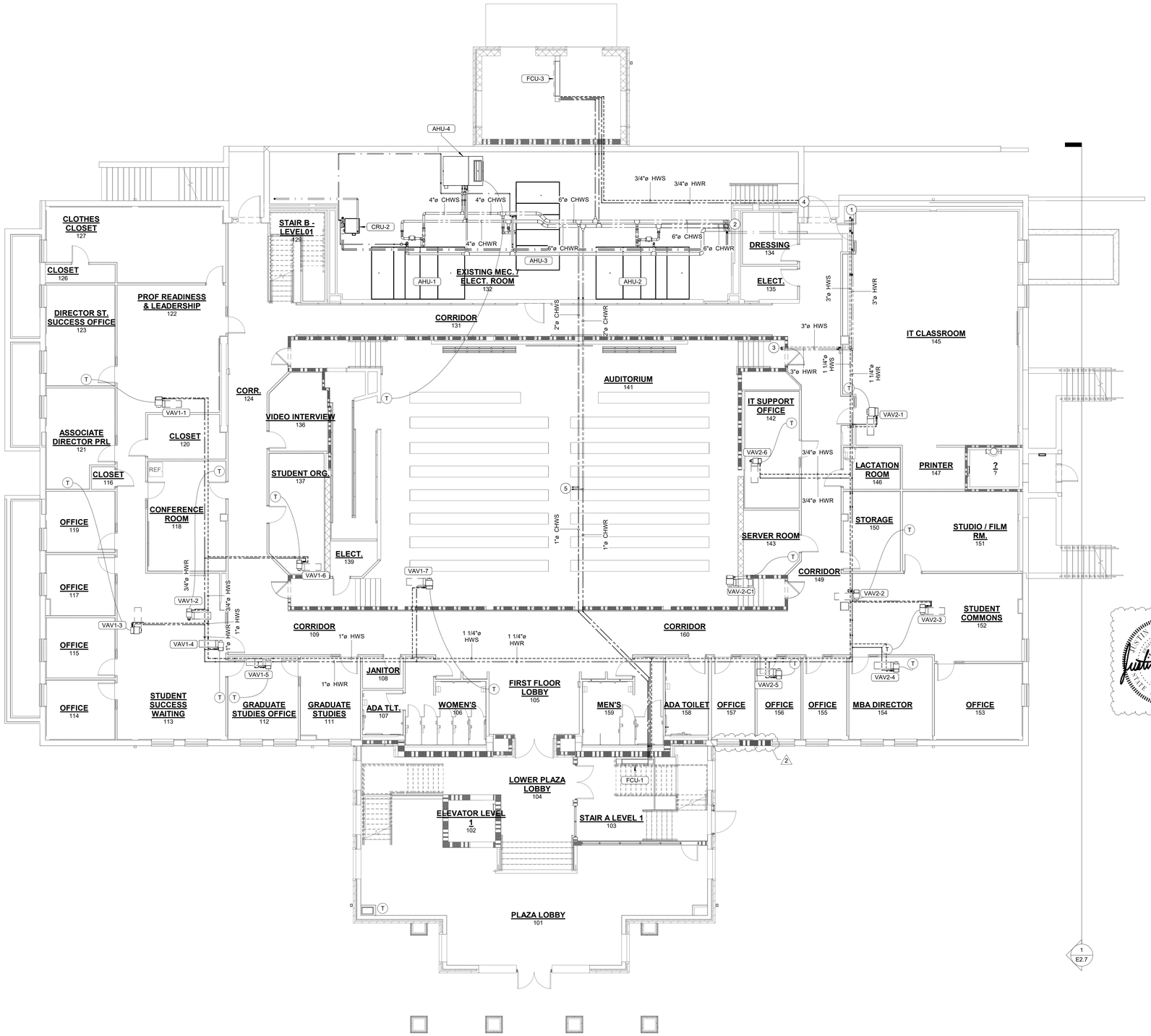

MECHANICAL NOTES

GENERAL NOTES
- A COORDINATE ROUTING OF DUCT/PIPING WITH OTHER TRADES

NUMBERED NOTES
1. 3"Ø UP FROM BASEMENT MECHANICAL ROOM
2. REUSE EXISTING CHASE FOR HYDRONIC PIPING
3. 3"Ø UP TO ABOVE
4. 3/4"Ø UP FROM BASEMENT MECHANICAL ROOM
5. 2"Ø CHWS AND CHWR UP TO ABOVE

MECHANICAL PIPING LEGEND:

- STEAM DISTRIBUTION
- STEAM CONDENSATE
- STEAM VENT
- CHILLED WATER SUPPLY
- CHILLED WATER RETURN
- HOT WATER SUPPLY
- HOT WATER RETURN
- RISER DOWN
- RISER UP

RATED WALL SYMBOL LEGEND

1-HOUR FIRE BARRIER

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AT GYPSUM BOARD WALL LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U419 WITH; TERMINATE AT METAL DECK WITH UL SYSTEM HW-D-0024 (WALL PERPENDICULAR TO DECK FLUTES) OR HW-D-0029 (WALL PARALLEL TO DECK FLUTES)

2-HOUR FIRE BARRIER

FLOOR TO UNDERSIDE OF DECK ABOVE AT CONC. BLOCK LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U905 (NONBEARING) AND UL DESIGN U905 (LOAD BEARING), TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0022 (WALL PERPENDICULAR TO DECK FLUTES) OR HW-D-0030 (WALL PARALLEL TO DECK FLUTES)

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1 M2.1 FIRST FLOOR MECHANICAL PIPING PLAN

SCALE: 1/8" = 1'-0" (WHEN PRINTED FULL SCALE ON 30"x42")

0' 4' 8' 16' 32'

NORTH

COMMUNITY TECTONICS ARCHITECTS
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PROJECT
JOHNSON HALL RENOVATION & FOSTER DEMOLITION
JOHNSON HALL RENOVATION - PKG. 2
SBC Nº 364/011-04-2022CM

LOCATION
COOKEVILLE, TN

OWNER
TENNESSEE TECH. UNIVERSITY

SEAL
JUSTIN BLAKE NEWELL — LICENSED PROFESSIONAL ENGINEER — STATE OF TENNESSEE
06/11/2025
03/28/2025

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NO.	DESCRIPTION	DATE
2	ADDENDUM #3	06/11/2025

JOB NO. 22089

ISSUE DATE 03/28/2025

SHEET TITLE
FIRST FLOOR MECHANICAL PIPING PLAN

DRAWN AMF

REVIEW JBN

M2.1

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TEL: (931) 528-5143
www.maffett-loftis.com

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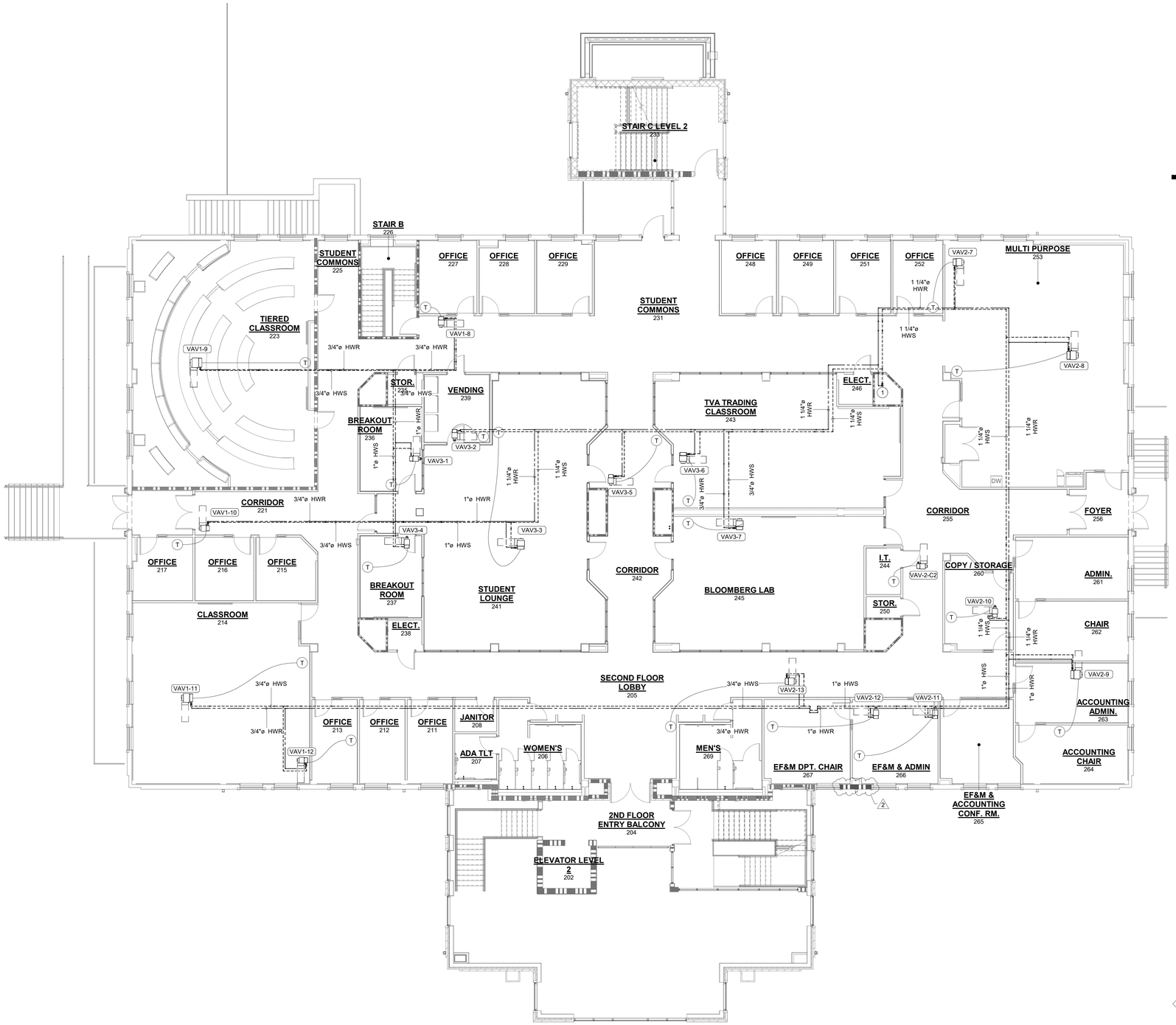

MECHANICAL NOTES

GENERAL NOTES

A COORDINATE ROUTING OF DUCT/PIPING WITH OTHER TRADES

NUMBERED NOTES

1 2 1/2"Ø UP TO ABOVE

MECHANICAL PIPING LEGEND:

- STEAM DISTRIBUTION
- STEAM CONDENSATE
- STEAM VENT
- CHILLED WATER SUPPLY
- CHILLED WATER RETURN
- HOT WATER SUPPLY
- HOT WATER RETURN
- RISER DOWN
- RISER UP

RATED WALL SYMBOL LEGEND

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2-HOUR FIRE BARRIER

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1 M2.2 SECOND FLOOR MECHANICAL PIPING PLAN

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SHEET TITLE
SECOND FLOOR MECHANICAL PIPING PLAN

DRAWN AMF

REVIEW JBN

M2.2

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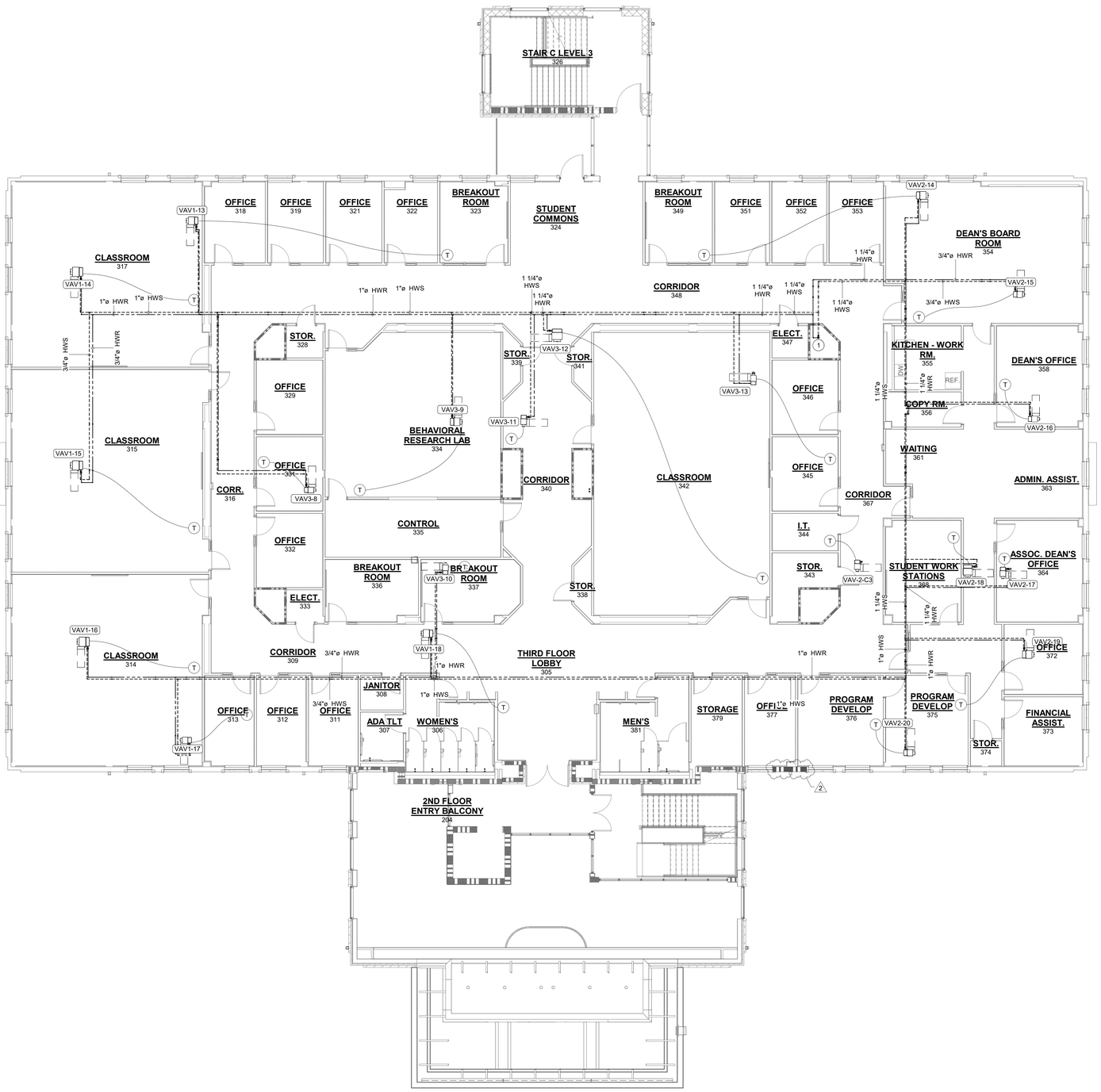

1 M2.3 THIRD FLOOR MECHANICAL PIPING PLAN

SCALE: 1/8" = 1'-0" (WHEN PRINTED FULL SCALE ON 30"x42")

0' 4' 8' 16' 32'

NORTH

MECHANICAL NOTES

GENERAL NOTES

A COORDINATE ROUTING OF DUCT/PIPING WITH OTHER TRADES

NUMBERED NOTES

1 2"Ø UP TO ABOVE

MECHANICAL PIPING LEGEND:

- STEAM DISTRIBUTION
- STEAM CONDENSATE
- STEAM VENT
- CHILLED WATER SUPPLY
- CHILLED WATER RETURN
- HOT WATER SUPPLY
- HOT WATER RETURN
- RISER DOWN
- RISER UP

RATED WALL SYMBOL LEGEND

1-HOUR FIRE BARRIER

FLOOR TO UNDERSIDE OF DECK ABOVE AT CONC. BLOCK LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U905 (NONBEARING) AND UL DESIGN U905 (LOAD BEARING), TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0022 (WALL PERPENDICULAR TO DECK) OR HW-D-0030 (WALL PARALLEL TO DECK FLUTES)

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2-HOUR FIRE BARRIER

FLOOR TO UNDERSIDE OF DECK ABOVE AT CONC. BLOCK LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U905 (NONBEARING) AND UL DESIGN U905 (LOAD BEARING), TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0022 (WALL PERPENDICULAR TO DECK FLUTES) OR HW-D-0030 (WALL PARALLEL TO DECK FLUTES)

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SHEET TITLE
THIRD FLOOR MECHANICAL PIPING PLAN

DRAWN AMF

REVIEW JBN

M2.3

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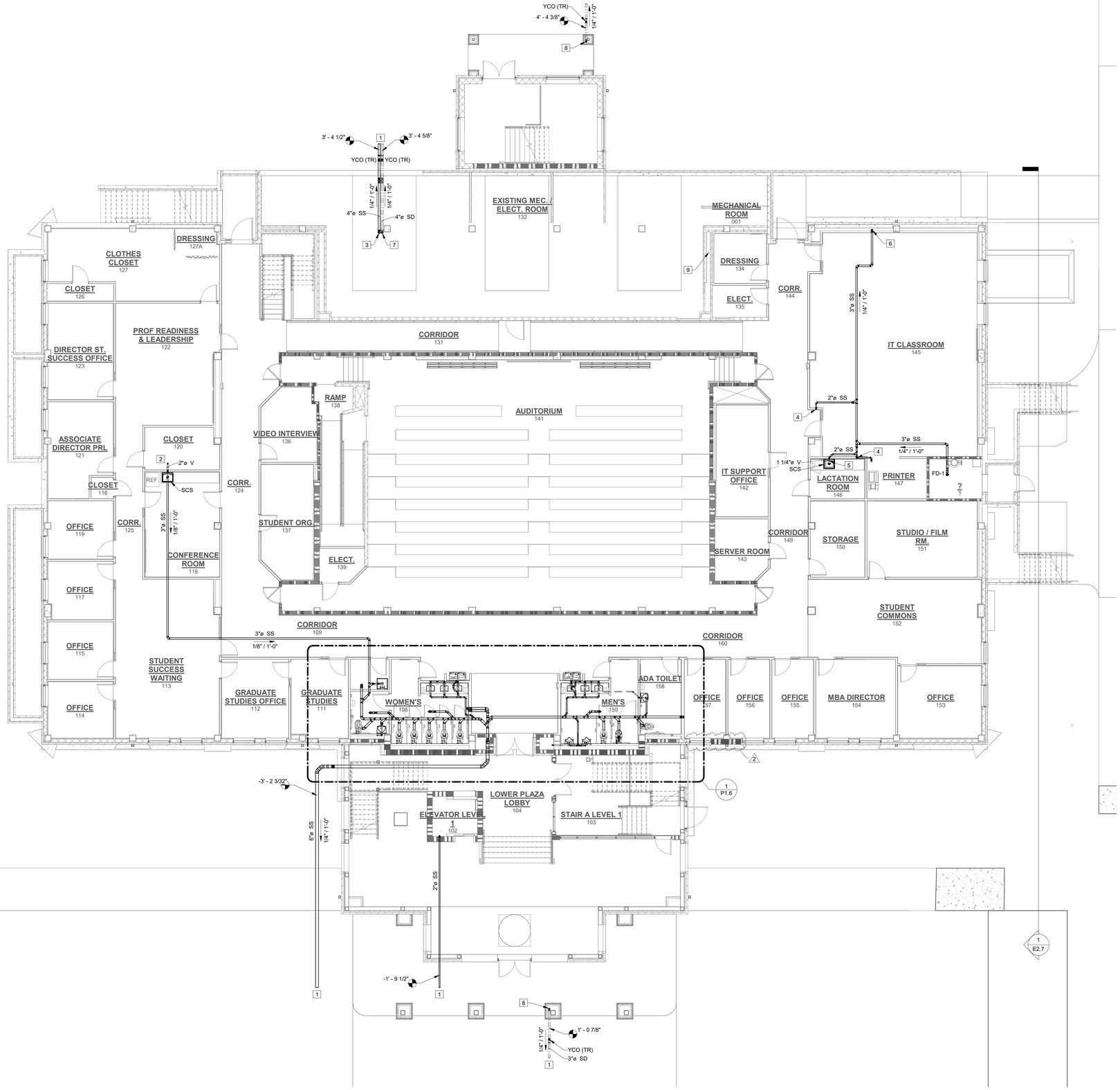

1 P1.1 FIRST FLOOR SANITARY SEWER PLAN

SCALE: 1/8" = 1'-0" (WHEN PRINTED FULL SCALE ON 30"x42")

0' 4' 8' 16' 32'

NORTH

PLUMBING NOTES

GENERAL NOTES

- A SEE SANITARY SEWER ISOMETRIC FOR PIPE SIZES NOT SHOWN.
- B ALL FLOOR DRAINS TO BE SUPPLIED WITH WATER FROM TRAP PRIMER TAILPIECE FROM A LAVATORY OR INSTALL TRAP SHIELD AS PER FIXTURE SCHEDULE.
- C COORDINATE ROUTING OF PIPE WITH OTHER TRADES.

NUMBERED NOTES

1. SEE CIVIL SHEETS FOR CONTINUATION.
2. 2"Ø VENT UP TO ABOVE.
3. 4"Ø SANITARY SEWER DOWN FROM ABOVE.
4. 2"Ø SANITARY SEWER DOWN FROM ABOVE.
5. 1 1/4"Ø VENT UP TO ABOVE.
6. 3"Ø SANITARY SEWER DOWN TO BELOW.
7. 4"Ø STORM DRAIN DOWN FROM ABOVE.
8. 3"Ø STORM DRAIN DOWN FROM ABOVE.
9. 3"Ø SANITARY SEWER DOWN TO BELOW. REFER TO VIEW 1 / P1.0 FOR CONTINUATION.

PLUMBING LEGEND:

- SANITARY SEWER
- VENT AND/OR DRAIN ABOVE
- PRIMARY STORM DRAIN
- COLD WATER DISTRIBUTION
- HOT WATER DISTRIBUTION
- HOT WATER RETURN
- RISER DOWN
- RISER UP
- -1'-2" INVERT ELEVATION POINT WITH DIMENSION RELATIVE TO FINISH FLOOR

RATED WALL SYMBOL LEGEND

1-HOUR FIRE BARRIER

FLOOR TO UNDERSIDE OF DECK ABOVE AT CONC. BLOCK LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U905 (NONBEARING) AND UL DESIGN U905 (LOAD BEARING), TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0022 (WALL PERPENDICULAR TO DECK) OR HW-D-0030 (WALL PARALLEL TO DECK FLUTES)

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06/11/2025

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SHEET TITLE
FIRST FLOOR SANITARY SEWER PLAN

DRAWN BAE

REVIEW JBN

P1.1

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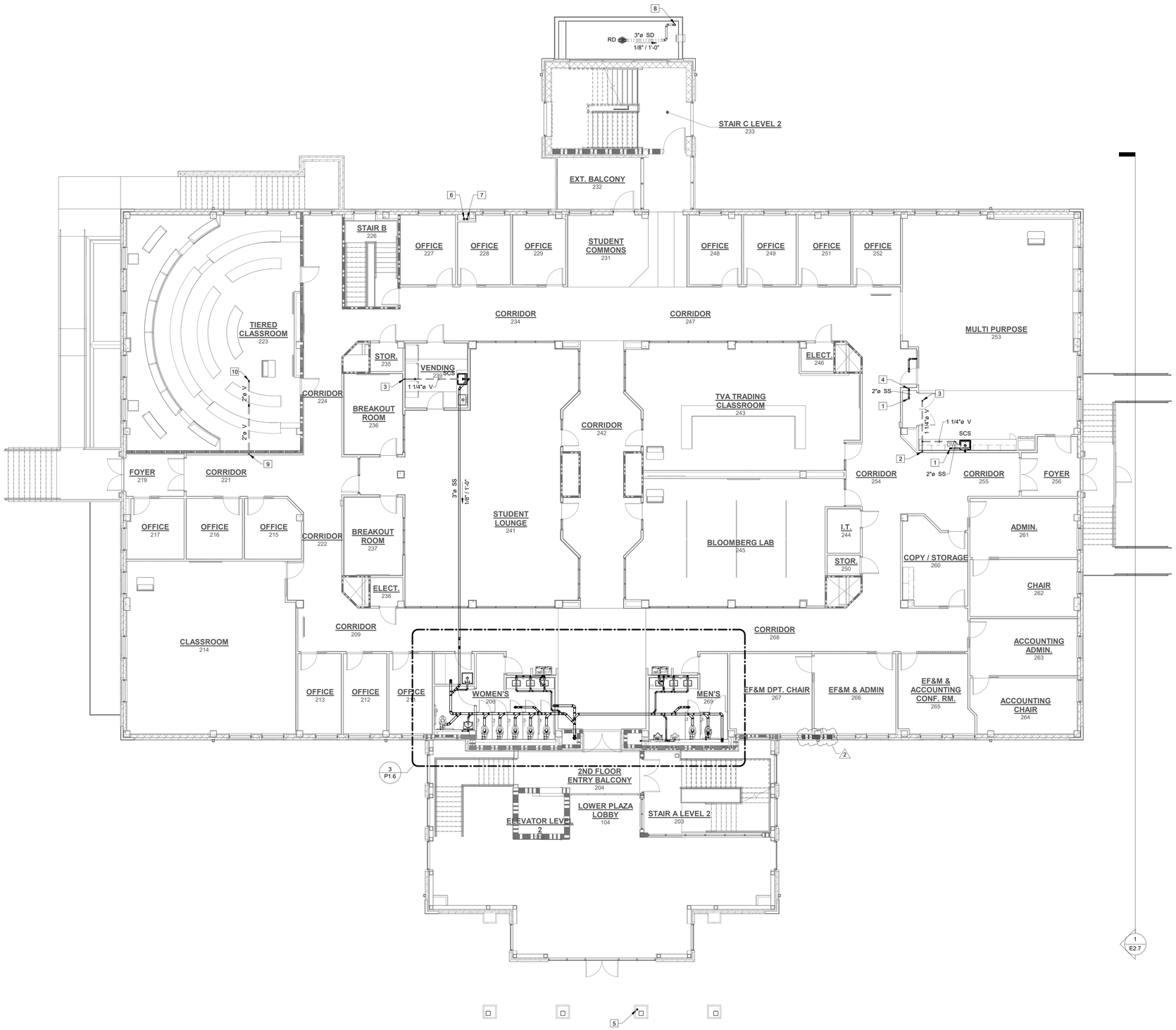

PLUMBING NOTES

NUMBERED NOTES
1 2"Ø SANITARY SEWER DOWN TO BELOW.
2 1 1/4"Ø VENT UP FROM BELOW.
3 1 1/4"Ø VENT UP TO ABOVE.
4 2"Ø SANITARY SEWER DOWN FROM ABOVE.
5 3"Ø STORM DRAIN DOWN FROM ABOVE.
6 4"Ø SANITARY SEWER DOWN FROM ABOVE, AND DOWN TO BELOW.
7 4"Ø STORM DRAIN DOWN FROM ABOVE, AND DOWN TO BELOW.
8 3"Ø STORM DRAIN DOWN TO BELOW.
9 2"Ø VENT UP FROM BELOW.
10 2"Ø VENT UP TO ABOVE.

2

JUSTIN BLAKE NEWELL
LICENSED
ARCHITECT
STATE OF TENNESSEE
06/11/2025

PLUMBING LEGEND:

- SANITARY SEWER
- VENT AND/OR DRAIN ABOVE
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PLUMBING NOTES

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2. 2"Ø SANITARY SEWER DOWN TO BELOW.
3. 1 1/4"Ø VENT UP FROM BELOW.
4. 2"Ø VENT UP TO ABOVE.
5. 2"Ø VENT UP FROM BELOW.
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PLUMBING LEGEND:

- SANITARY SEWER
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- COLD WATER DISTRIBUTION
- HOT WATER DISTRIBUTION
- HOT WATER RETURN
- RISER DOWN
- RISER UP
- -1'-2" INVERT ELEVATION POINT WITH DIMENSION RELATIVE TO FINISH FLOOR

RATED WALL SYMBOL LEGEND

1-HOUR FIRE BARRIER

FLOOR TO UNDERSIDE OF DECK ABOVE AT CONC. BLOCK LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U905 (NONBEARING) AND UL DESIGN U905 (LOAD BEARING), TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0022 (WALL PERPENDICULAR TO DECK) OR HW-D-0030 (WALL PARALLEL TO DECK FLUTES)

AT GYPSUM BOARD WALL LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U419 WITH; TERMINATE AT METAL DECK WITH UL SYSTEM HW-D-0024 (WALL PERPENDICULAR TO DECK FLUTES) OR HW-D-0029 (WALL PARALLEL TO DECK FLUTES)

2-HOUR FIRE BARRIER

FLOOR TO UNDERSIDE OF DECK ABOVE AT CONC. BLOCK LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U905 (NONBEARING) AND UL DESIGN U905 (LOAD BEARING), TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0022 (WALL PERPENDICULAR TO DECK FLUTES) OR HW-D-0030 (WALL PARALLEL TO DECK FLUTES)

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SHAFT WALL - PER IBC 2012-SECTION 713.2
USE UL DESIGN U415, TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0549 (FLOOR OR ROOF DECK WITH FLUTES) OR HW-D-0480 (FLOOR OR ROOF DECK WITHOUT FLUTES)

SMOKE PARTITION PER IBC 2012 SECTION 710 AND NFPA 8.3.4.2, WALL SHALL EXTEND TO DECK.

NOTES:
ALL INTERIOR WALLS SHALL EXTEND TO DECK ABOVE UNLESS NOTED OTHERWISE.

PROVIDE 3" HIGH, BRIGHT RED STENCILED LETTERS VISIBLE ABOVE CEILING AT ALL CHANGES IN DIRECTION AND AT 30' INTERVALS ALONG ALL RATED WALLS READING: " ___ HOUR FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS." (INCORPORATE CORRECT WALL DESIGNATIONS) FIRE WALLS SHALL BE STENCILED ON BOTH SIDES OF WALLS.

1 P1.3 THIRD FLOOR SANITARY SEWER PLAN
SCALE: 1/8" = 1'-0" (WHEN PRINTED FULL SCALE ON 30"x42")
0' 4' 8' 16' 32'

NORTH

1 E2.7

2

AUSTIN BLAKE NEWELL
LICENSED
ARCHITECT
STATE OF TENNESSEE
06/11/2025

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PROJECT
JOHNSON HALL RENOVATION & FOSTER DEMOLITION
JOHNSON HALL RENOVATION - PKG. 2
SBC Nº 364/011-04-2022CM

LOCATION
COOKEVILLE, TN

OWNER
TENNESSEE TECH. UNIVERSITY

SEAL
AUSTIN BLAKE NEWELL
LICENSED
ARCHITECT
STATE OF TENNESSEE
03/28/2025

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NO.	DESCRIPTION	DATE
2	ADDENDUM #3	06/11/2025

JOB NO. 22089

ISSUE DATE 03/28/2025

SHEET TITLE
THIRD FLOOR SANITARY SEWER PLAN

DRAWN BAE

REVIEW JBN

P1.3

MAFFETT LOFTIS ENGINEERING, LLC
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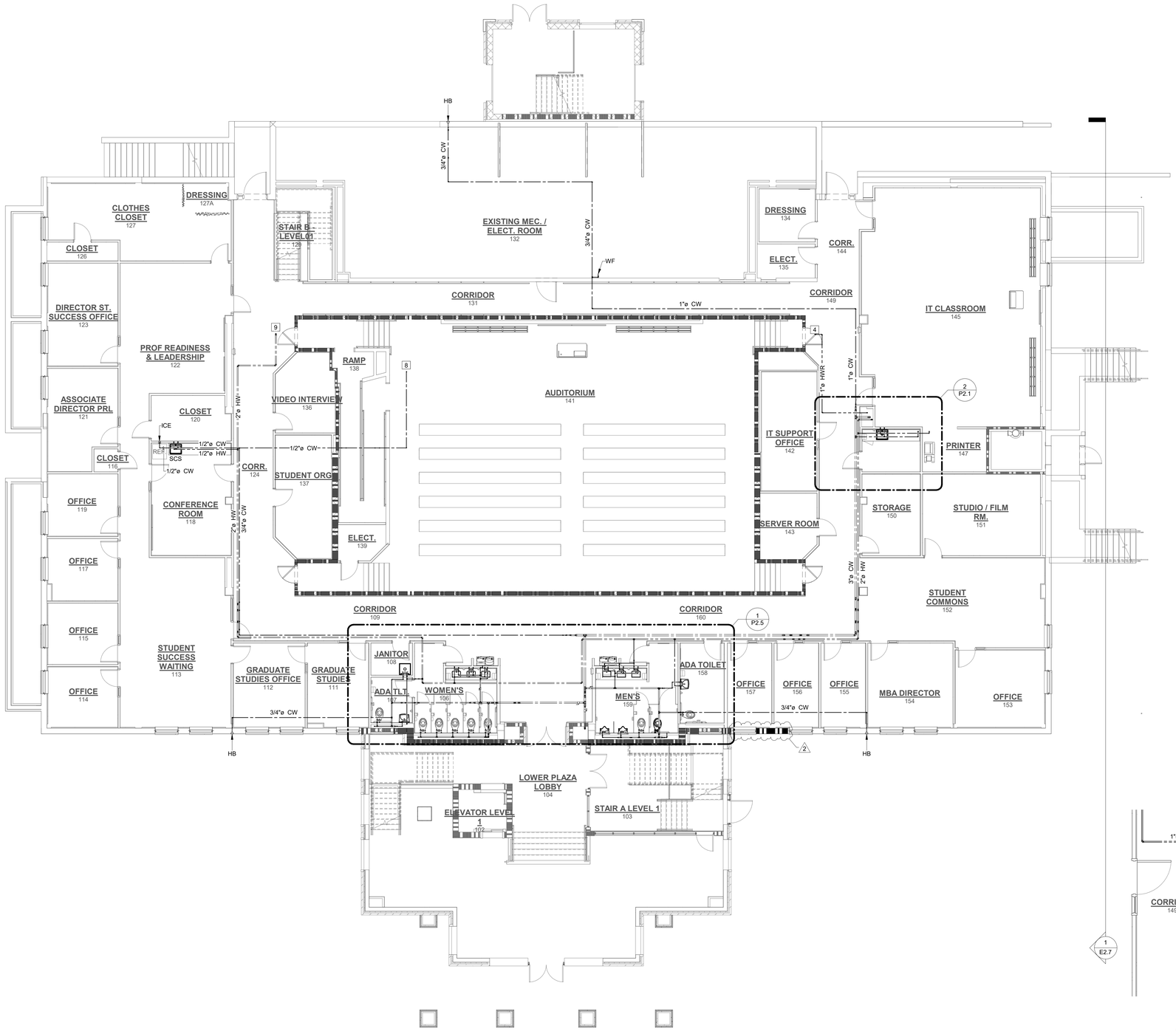

PLUMBING NOTES

GENERAL NOTES

- A SEE DOMESTIC WATER ISOMETRIC FOR PIPE SIZES NOT SHOWN.
- B COORDINATE ROUTING OF PIPE WITH OTHER TRADES.
- C ROUTE ALL DOMESTIC WATER LINES WITHIN THERMAL ENVELOPE OF BUILDING.
- D ALL EXPOSED WATER LINES TO BE COPPER.
- E ALL DOMESTIC WATER LINES ROUTED ABOVE SLAB AND/OR CEILING UNLESS NOTED OTHERWISE.
- F NO FITTINGS/JOINTS ALLOWED IN DOMESTIC WATER LINES ROUTED BELOW SLAB.

NUMBERED NOTES

1. 3/4"Ø DOMESTIC COLD WATER DOWN TO BELOW.
2. 1/2"Ø DOMESTIC HOT WATER DOWN TO BELOW.
4. 1"Ø DOMESTIC HOT WATER RETURN DOWN FROM ABOVE.
5. 2"Ø DOMESTIC HOT WATER UP FROM BELOW.
6. 1"Ø DOMESTIC HOT WATER RETURN DOWN TO BELOW.
7. 3"Ø DOMESTIC COLD WATER UP TO ABOVE.
8. 1/2"Ø DOMESTIC COLD WATER UP TO ABOVE.
9. 2"Ø DOMESTIC HOT WATER UP TO ABOVE.

PLUMBING LEGEND:

- SANITARY SEWER
- VENT AND/OR DRAIN ABOVE
- PRIMARY STORM DRAIN
- COLD WATER DISTRIBUTION
- HOT WATER DISTRIBUTION
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RATED WALL SYMBOL LEGEND

1-HOUR FIRE BARRIER

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FLOOR TO UNDERSIDE OF DECK ABOVE AT CONC. BLOCK LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U905 (NONBEARING) AND UL DESIGN U905 (LOAD BEARING), TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0022 (WALL PERPENDICULAR TO DECK FLUTES) OR HW-D-0030 (WALL PARALLEL TO DECK FLUTES)

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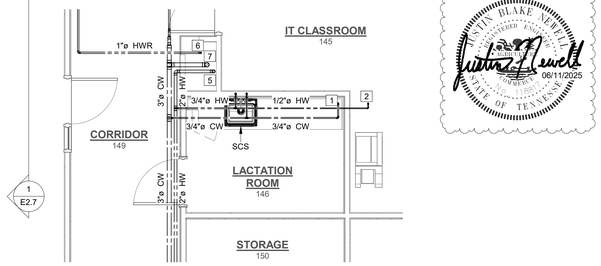

2 FIRST FLOOR DOMESTIC WATER ENLARGEMENT
P2.1 SCALE: 1/4" = 1'-0" (WHEN PRINTED FULL SCALE ON 30"x42")
0' 2' 4' 8' 16'

1 FIRST FLOOR DOMESTIC WATER PLAN
P2.1 SCALE: 1/8" = 1'-0" (WHEN PRINTED FULL SCALE ON 30"x42")
0' 4' 8' 16' 32'

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PROJECT
JOHNSON HALL RENOVATION & FOSTER DEMOLITION
JOHNSON HALL RENOVATION - PKG. 2
SBC Nº 364/011-04-2022CM

LOCATION
COOKEVILLE, TN

OWNER
TENNESSEE TECH. UNIVERSITY

SEAL
JUSTIN BLAKE NEWELL REGISTERED PROFESSIONAL ENGINEER STATE OF TENNESSEE NUMBER 140 03/28/2025

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NO.	DESCRIPTION	DATE
2	ADDENDUM #3	06/11/2025

SEAL
JUSTIN BLAKE NEWELL REGISTERED PROFESSIONAL ENGINEER STATE OF TENNESSEE NUMBER 140 06/11/2025

JOB NO. 22089

ISSUE DATE 03/28/2025

SHEET TITLE
FIRST FLOOR DOMESTIC WATER PLAN

DRAWN BAE

REVIEW JBN

P2.1

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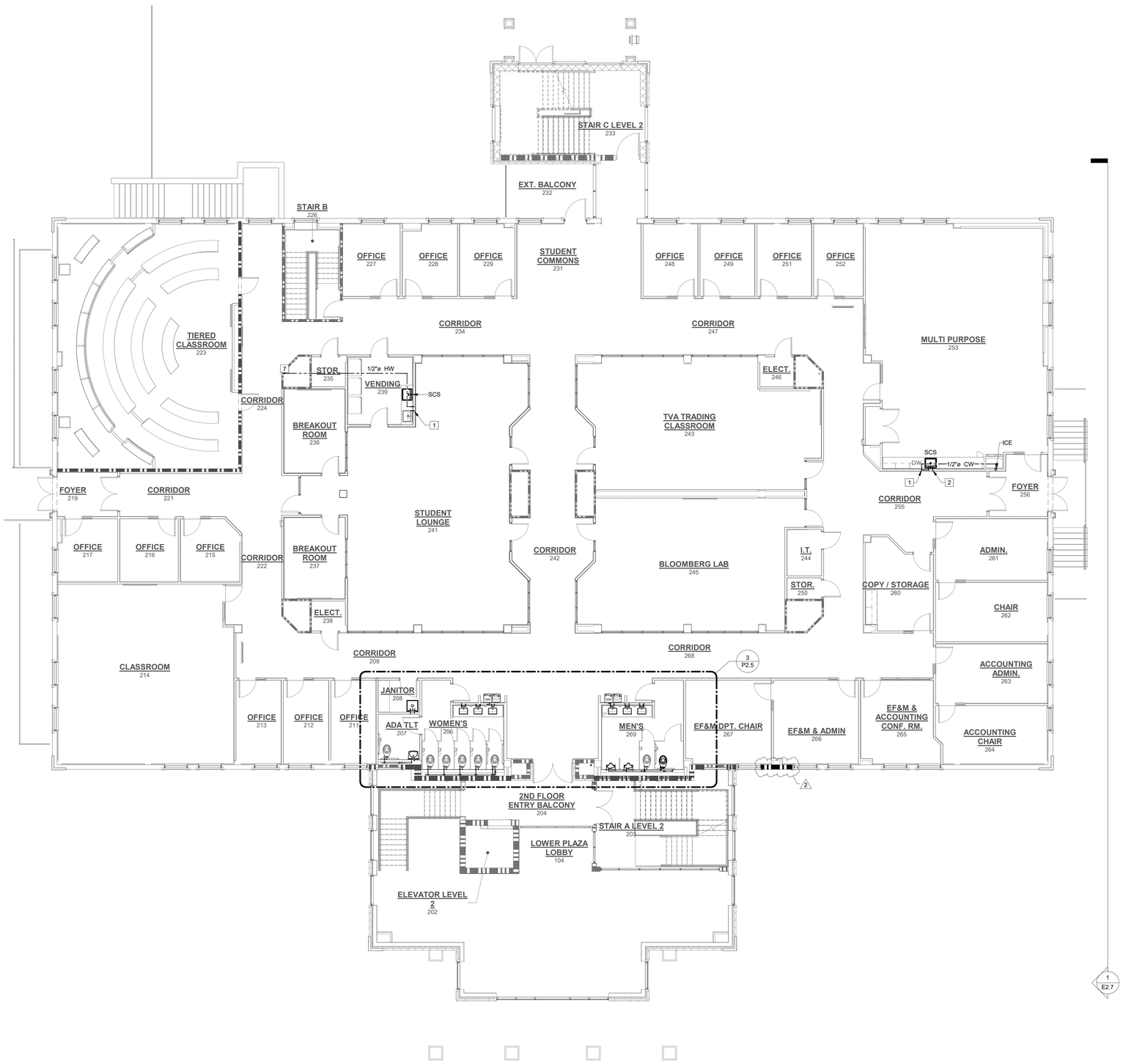

PLUMBING NOTES

NUMBERED NOTES
1 1/2"Ø DOMESTIC COLD WATER UP FROM BELOW.
2 1/2"Ø DOMESTIC HOT WATER UP FROM BELOW.
7 2"Ø DOMESTIC HOT WATER UP FROM BELOW.

PLUMBING LEGEND:

- SANITARY SEWER
- VENT AND/OR DRAIN ABOVE
- PRIMARY STORM DRAIN
- COLD WATER DISTRIBUTION
- HOT WATER DISTRIBUTION
- HOT WATER RETURN
- RISER DOWN
- RISER UP
- -1'-2" INVERT ELEVATION POINT WITH DIMENSION RELATIVE TO FINISH FLOOR

RATED WALL SYMBOL LEGEND

1-HOUR FIRE BARRIER

FLOOR TO UNDERSIDE OF DECK ABOVE AT CONC. BLOCK LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U905 (NONBEARING) AND UL DESIGN U905 (LOAD BEARING), TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0022 (WALL PERPENDICULAR TO DECK) OR HW-D-0030 (WALL PARALLEL TO DECK FLUTES)

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2-HOUR FIRE BARRIER

FLOOR TO UNDERSIDE OF DECK ABOVE AT CONC. BLOCK LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U905 (NONBEARING) AND UL DESIGN U905 (LOAD BEARING), TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0022 (WALL PERPENDICULAR TO DECK FLUTES) OR HW-D-0030 (WALL PARALLEL TO DECK FLUTES)

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1 P2.2 SECOND FLOOR DOMESTIC WATER PLAN

SCALE: 1/8" = 1'-0" (WHEN PRINTED FULL SCALE ON 30"x42")

0' 4' 8' 16' 32'

NORTH

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PROJECT
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JOHNSON HALL RENOVATION - PKG. 2
SBC Nº 364/011-04-2022CM

LOCATION
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OWNER
TENNESSEE TECH. UNIVERSITY

SEAL
JUSTIN BLAKE NEWELL — REGISTERED — ARCHITECT — STATE OF TENNESSEE
06/11/2025

SEAL
JUSTIN BLAKE NEWELL — REGISTERED — ARCHITECT — STATE OF TENNESSEE
03/28/2025

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NO.	DESCRIPTION	DATE
2	ADDENDUM #3	06/11/2025

JOB NO. 22089

ISSUE DATE 03/28/2025

SHEET TITLE
SECOND FLOOR DOMESTIC WATER PLAN

DRAWN BAE

REVIEW JBN

P2.2

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PLUMBING NOTES

NUMBERED NOTES
1 1/2"Ø DOMESTIC COLD WATER UP TO ABOVE.
2 1/2"Ø DOMESTIC HOT WATER UP TO ABOVE.
3 1"Ø DOMESTIC COLD WATER UP TO ABOVE.

PLUMBING LEGEND:

- SANITARY SEWER
- VENT AND/OR DRAIN ABOVE
- PRIMARY STORM DRAIN
- COLD WATER DISTRIBUTION
- HOT WATER DISTRIBUTION
- HOT WATER RETURN
- RISER DOWN
- RISER UP
- -1'-2" INVERT ELEVATION POINT WITH DIMENSION RELATIVE TO FINISH FLOOR

RATED WALL SYMBOL LEGEND

1-HOUR FIRE BARRIER

FLOOR TO UNDERSIDE OF DECK ABOVE AT CONC. BLOCK LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U905 (NONBEARING) AND UL DESIGN U905 (LOAD BEARING), TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0022 (WALL PERPENDICULAR TO DECK) OR HW-D-0030 (WALL PARALLEL TO DECK FLUTES)

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2-HOUR FIRE BARRIER

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1 P2.3 THIRD FLOOR DOMESTIC WATER PLAN
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2	ADDENDUM #3	06/11/2025

JOB NO. 22089
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SHEET TITLE THIRD FLOOR DOMESTIC WATER PLAN
DRAWN BAE
REVIEW JBN
P2.3

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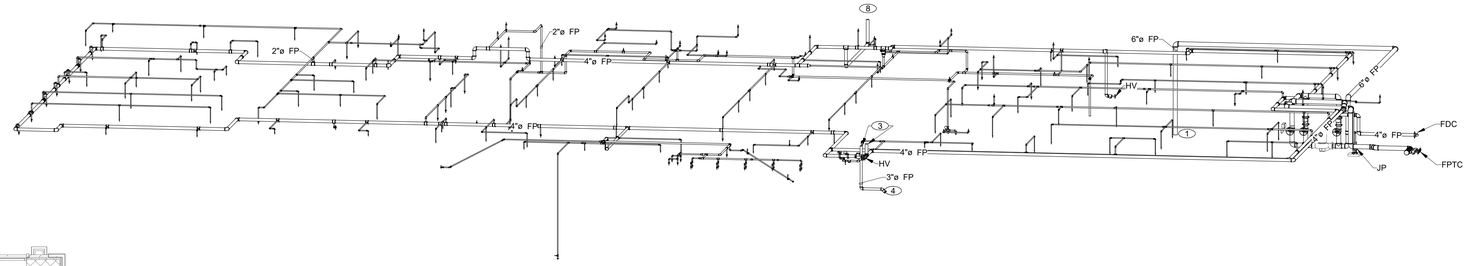
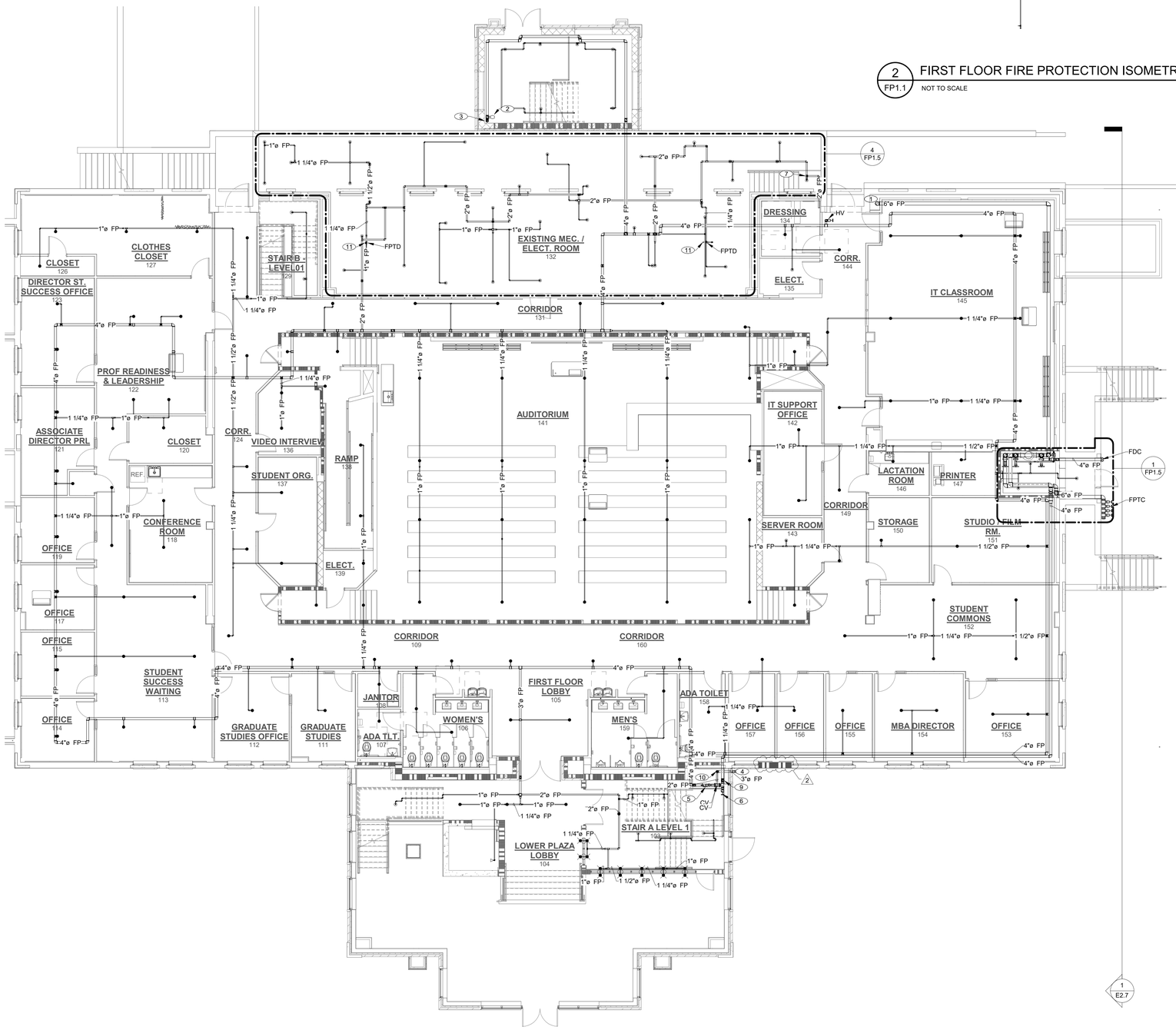


2 FP1.1 FIRST FLOOR FIRE PROTECTION ISOMETRIC

NOT TO SCALE



1 FP1.1 FIRST FLOOR FIRE PROTECTION PLAN

SCALE: 1/8" = 1'-0" (WHEN PRINTED FULL SCALE ON 30"x42")

0' 4' 8' 16' 32'

NORTH

FIRE PROTECTION NOTES

GENERAL NOTES

- A COORDINATE ROUTING OF PIPE WITH OTHER TRADES
- B ALL UPRIGHT SPRINKLER HEADS TO BE WITHIN 12" OF ROOF/CEILING DECK
- C COORDINATE SPRINKLER HEADS WITH ARCHITECTURAL RCP
- D PROVIDE SYSTEM DRAINS AS REQUIRED
- E CONCEALED SPACES ABOVE CEILINGS ARE NON-COMBUSTIBLE
- F ALL EXTERIOR OVERHANGS ARE NON-COMBUSTIBLE
- G ALL SPRINKLER HEADS IN MECHANICAL ROOM OR BASEMENT WITH STEAM EQUIPMENT SHALL BE 212F HEADS

NUMBERED NOTES

1. UP FROM BELOW
2. STAIR C SECOND FLOOR HV
3. UP TO ABOVE
4. FLOOR ISOLATION VALVES COMBINED DRAIN
5. FIRST FLOOR FP ISOLATION VALVE
6. STAIR A FIRST AND SECOND FLOOR HV
7. DOWN TO BELOW
8. TO STAIR C STANDPIPE
9. STANDPIPE, UP TO ABOVE
10. FLOOR ISOLATION VALVE COMBINED DRAIN, UP TO ABOVE
11. REMOTE TEST AND DRAIN, ROUTE TO NEAREST FLOOR DRAIN

2

JUSTIN BLAKE NEWELL REGISTERED ENGINEER STATE OF TENNESSEE 06/11/2025

PLUMBING LEGEND:

- FIRE PROTECTION (WET)
- RISER DOWN
- RISER UP
- TYPICAL PENDENT SPRINKLER
- TYPICAL UPRIGHT SPRINKLER
- HORIZONTAL SIDEWALL WINDOW SPRINKLER
- TYPICAL SIDEWALL SPRINKLER

RATED WALL SYMBOL LEGEND

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PROJECT
JOHNSON HALL RENOVATION & FOSTER DEMOLITION
JOHNSON HALL RENOVATION - PKG. 2
SBC Nº 364/011-04-2022CM

LOCATION
COOKEVILLE, TN

OWNER
TENNESSEE TECH. UNIVERSITY

SEAL
JUSTIN BLAKE NEWELL REGISTERED ENGINEER STATE OF TENNESSEE 03/28/2025

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NO.	DESCRIPTION	DATE
2	ADDENDUM #3	06/11/2025

JOB NO. 22089

ISSUE DATE 03/28/2025

SHEET TITLE
FIRST FLOOR FIRE PROTECTION PLAN

DRAWN RFS

REVIEW JBN

FP1.1

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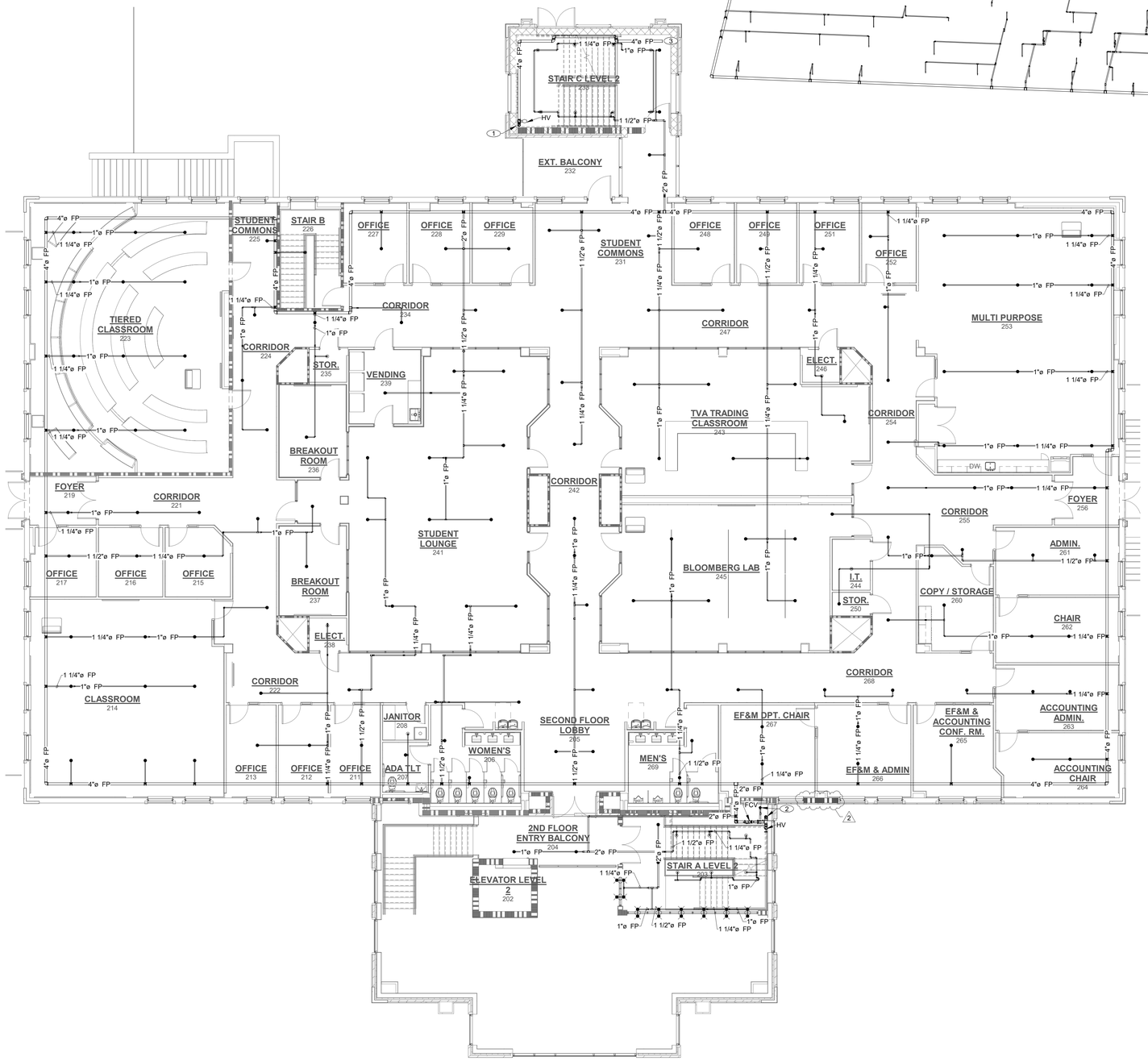

2 FP1.2 SECOND FLOOR FIRE PROTECTION ISOMETRIC

NOT TO SCALE

1 FP1.2 SECOND FLOOR FIRE PROTECTION PLAN

SCALE: 1/8" = 1'-0" (WHEN PRINTED FULL SCALE ON 30"x42")

0' 4' 8' 16' 32'

NORTH

FIRE PROTECTION NOTES

GENERAL NOTES

- A COORDINATE ROUTING OF PIPE WITH OTHER TRADES
- B ALL UPRIGHT SPRINKLER HEADS TO BE WITHIN 12" OF ROOF/CEILING DECK
- C COORDINATE SPRINKLER HEADS WITH ARCHITECTURAL RCP
- D PROVIDE SYSTEM DRAINS AS REQUIRED
- E CONCEALED SPACES ABOVE CEILINGS ARE NON-COMBUSTIBLE
- F ALL EXTERIOR OVERHANGS ARE NON-COMBUSTIBLE

NUMBERED NOTES

- 1 UP TO ABOVE
- 2 UP TO ABOVE & DOWN TO BELOW
- 3 TO FIRST FLOOR MECHANICAL ROOM

PLUMBING LEGEND:

- FIRE PROTECTION (WET)
- RISER DOWN
- RISER UP
- TYPICAL PENDENT SPRINKLER
- TYPICAL UPRIGHT SPRINKLER
- HORIZONTAL SIDEWALL WINDOW SPRINKLER
- TYPICAL SIDEWALL SPRINKLER

RATED WALL SYMBOL LEGEND

1-HOUR FIRE BARRIER

FLOOR TO UNDERSIDE OF DECK ABOVE AT CONC. BLOCK LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U905 (NONBEARING) AND UL DESIGN U905 (LOAD BEARING), TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0022 (WALL PERPENDICULAR TO DECK) OR HW-D-0030 (WALL PARALLEL TO DECK FLUTES)

AT GYPSUM BOARD WALL LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U419 WITH; TERMINATE AT METAL DECK WITH UL SYSTEM HW-D-0024 (WALL PERPENDICULAR TO DECK FLUTES) OR HW-D-0029 (WALL PARALLEL TO DECK FLUTES)

2-HOUR FIRE BARRIER

FLOOR TO UNDERSIDE OF DECK ABOVE AT CONC. BLOCK LOCATIONS (SEE FLOOR PLANS) USE UL DESIGN U905 (NONBEARING) AND UL DESIGN U905 (LOAD BEARING), TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0022 (WALL PERPENDICULAR TO DECK FLUTES) OR HW-D-0030 (WALL PARALLEL TO DECK FLUTES)

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SHAFT WALL - PER IBC 2012-SECTION 713.2
USE UL DESIGN U415, TERMINATE AT METAL DECK WITH UL SYSTEMS HW-D-0549 (FLOOR OR ROOF DECK WITH FLUTES) OR HW-D-0480 (FLOOR OR ROOF DECK WITHOUT FLUTES)

SMOKE PARTITION PER IBC 2012 SECTION 710 AND NFPA 8.3.4.2, WALL SHALL EXTEND TO DECK.

NOTES:
ALL INTERIOR WALLS SHALL EXTEND TO DECK ABOVE UNLESS NOTED OTHERWISE.

PROVIDE 3" HIGH, BRIGHT RED STENCILED LETTERS VISIBLE ABOVE CEILING AT ALL CHANGES IN DIRECTION AND AT 30' INTERVALS ALONG ALL RATED WALLS READING: "___ HOUR FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS." (INCORPORATE CORRECT WALL DESIGNATIONS) FIRE WALLS SHALL BE STENCILED ON BOTH SIDES OF WALLS.

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SEAL
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2	ADDENDUM #3	06/11/2025

JOB NO. 22089

ISSUE DATE 03/28/2025

SHEET TITLE
SECOND FLOOR FIRE PROTECTION PLAN

DRAWN RFS

REVIEW JBN

FP1.2

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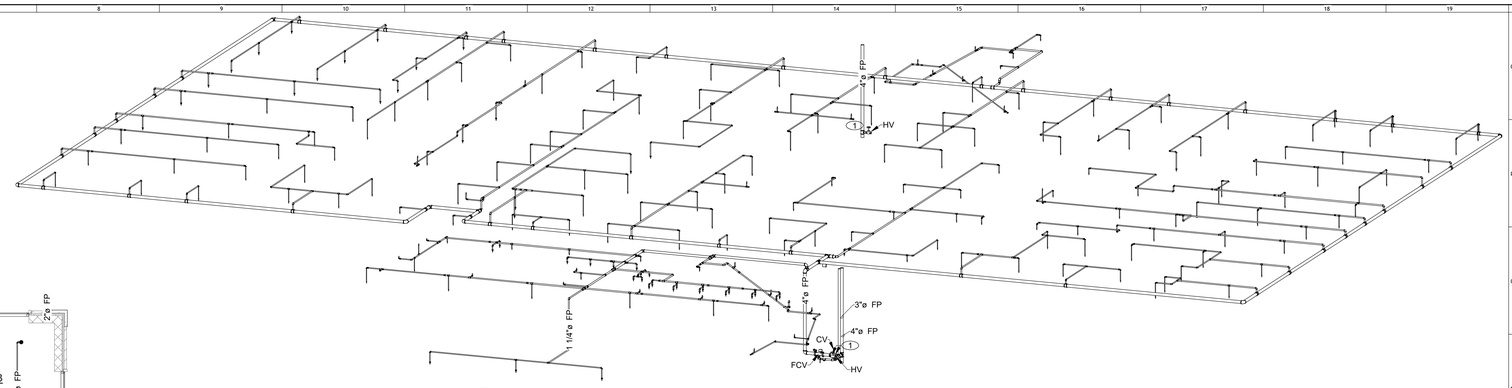
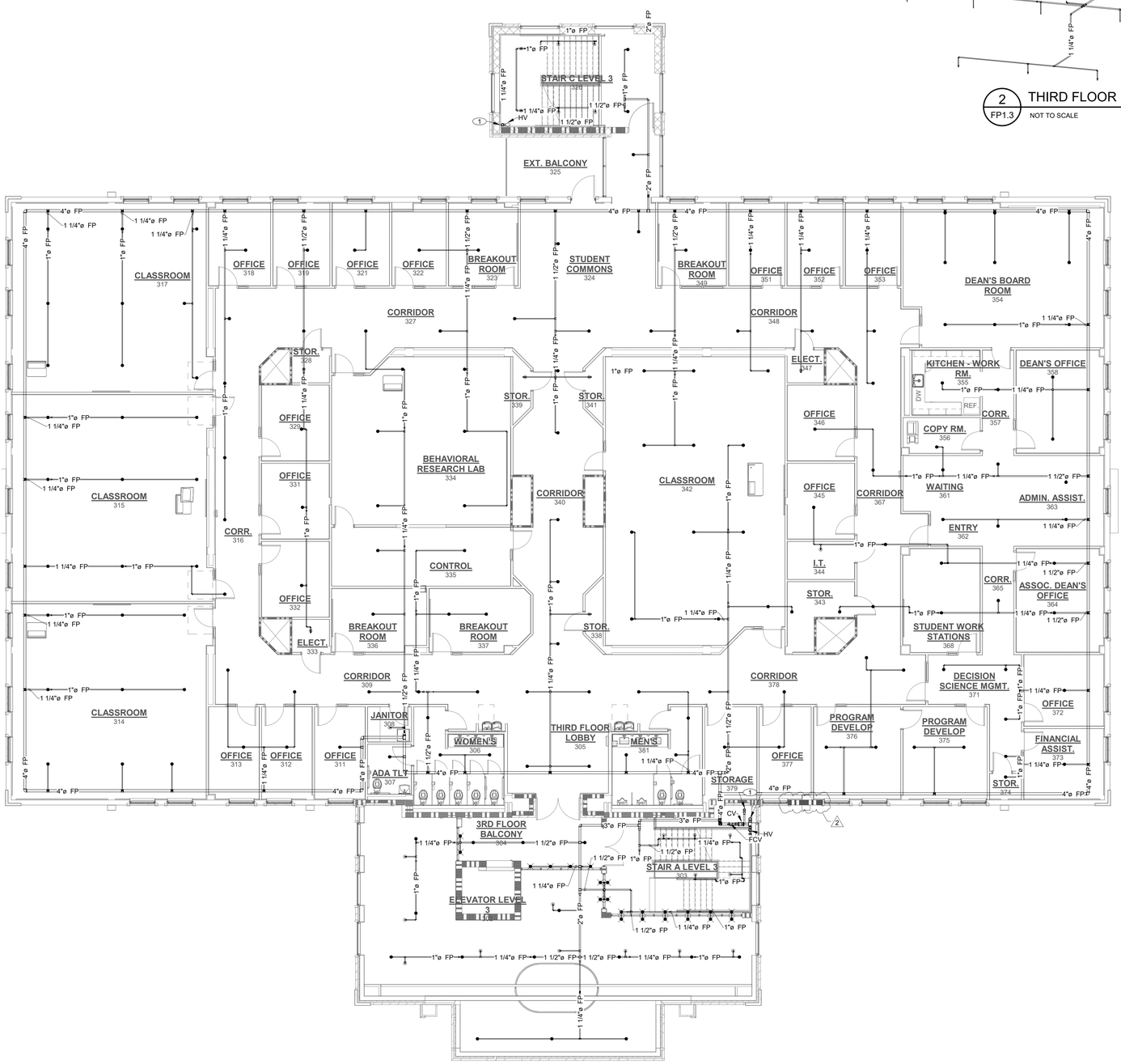


2 FP1.3 THIRD FLOOR FIRE PROTECTION ISOMETRIC

NOT TO SCALE



1 FP1.3 THIRD FLOOR FIRE PROTECTION PLAN

SCALE: 1/8" = 1'-0" (WHEN PRINTED FULL SCALE ON 30"x42")

0' 4' 8' 16' 32'

NORTH

FIRE PROTECTION NOTES

GENERAL NOTES

- A COORDINATE ROUTING OF PIPE WITH OTHER TRADES
- B ALL UPRIGHT SPRINKLER HEADS TO BE WITHIN 12" OF ROOF/CEILING DECK
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NUMBERED NOTES

1 UP TO ABOVE, DOWN TO BELOW

PLUMBING LEGEND:

- FIRE PROTECTION (WET)
- RISER DOWN
- RISER UP
- TYPICAL PENDENT SPRINKLER
- TYPICAL UPRIGHT SPRINKLER
- HORIZONTAL SIDEWALL WINDOW SPRINKLER
- TYPICAL SIDEWALL SPRINKLER

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LOCATION
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OWNER
TENNESSEE TECH. UNIVERSITY

SEAL
KRISTIN BLAKE NEWELL
REGISTERED ENGINEER
06/11/2025
STATE OF TENNESSEE

SEAL
KRISTIN BLAKE NEWELL
REGISTERED ENGINEER
03/28/2025
STATE OF TENNESSEE

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NO.	DESCRIPTION	DATE
2	ADDENDUM #3	06/11/2025

JOB NO. 22089

ISSUE DATE 03/28/2025

SHEET TITLE
THIRD FLOOR FIRE PROTECTION PLAN

DRAWN RFS

REVIEW JBN

FP1.3

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ELECTRICAL NOTES

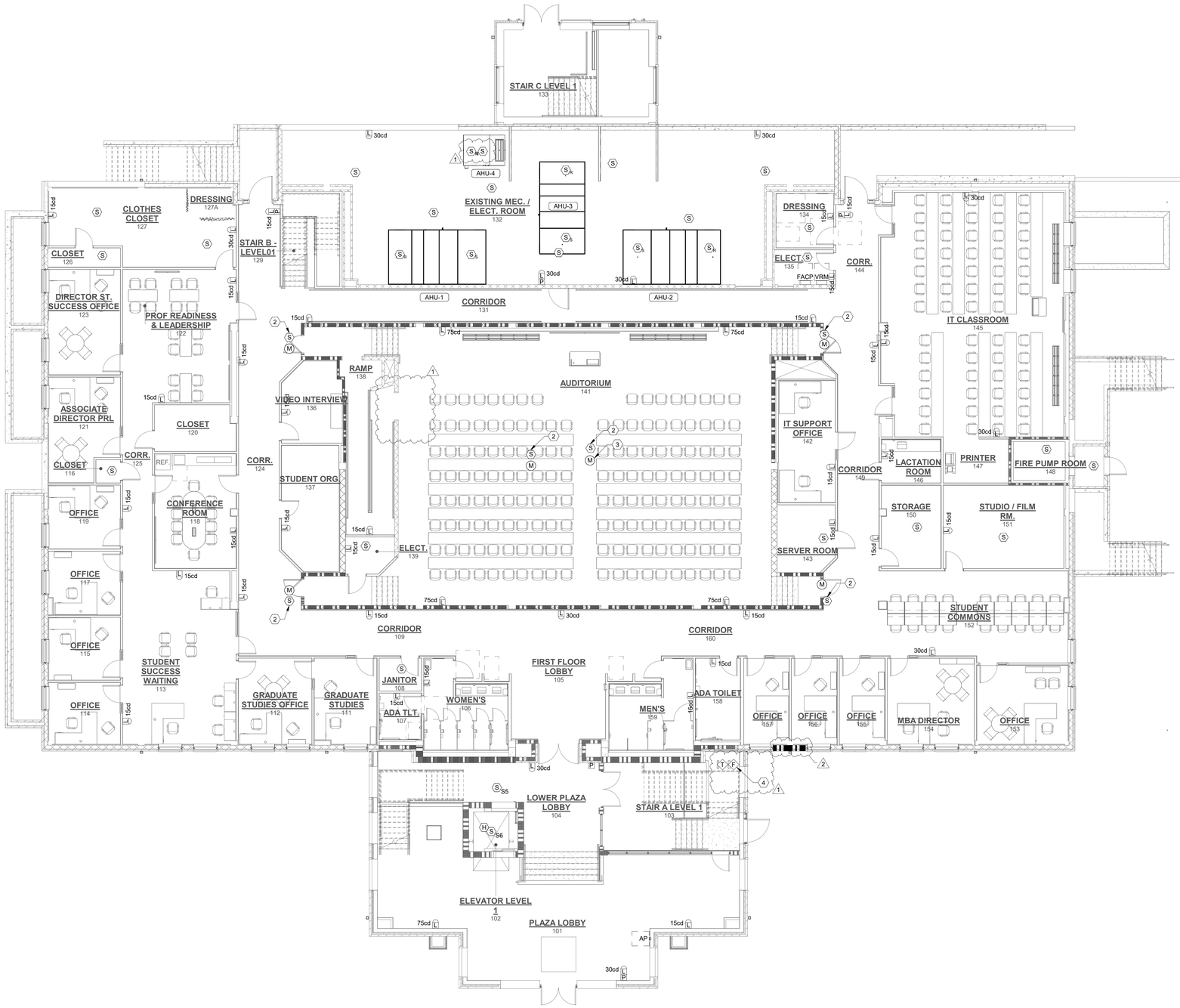
NUMBERED NOTES

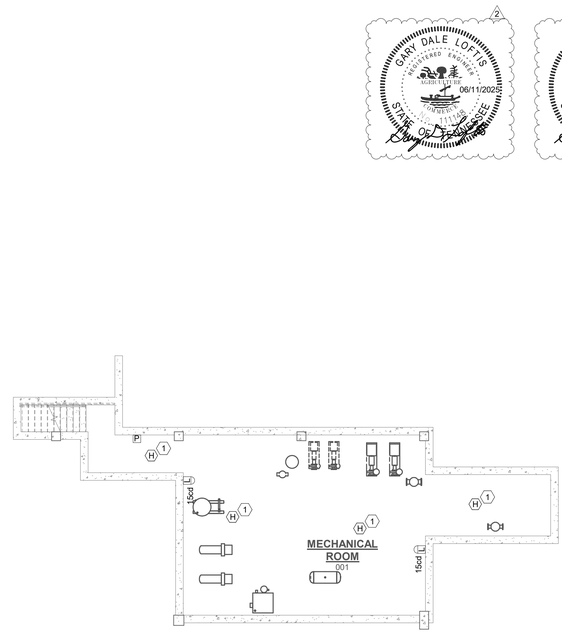
1. HIGH TEMPERATURE HEAT DETECTOR. 135° F. COORDINATE LOCATIONS WITH PIPING AND MECHANICAL EQUIPMENT IN THIS SPACE.
2. DUCT-MOUNTED SMOKE DETECTOR FOR HVAC DAMPERS. COORDINATE EXACT LOCATIONS, QUANTITIES, AND REQUIREMENTS WITH MECHANICAL.
3. TYP. CONTROL MODULE FOR ACTIVATION OF HVAC DAMPERS. COORDINATE EXACT LOCATIONS, QUANTITIES, AND REQUIREMENTS WITH MECHANICAL.
4. COORDINATE EXACT LOCATIONS OF TAMPER AND FLOW SWITCHES WITH FIRE PROTECTION.

GENERAL NOTES

A. COORDINATE ALL DEVICE LOCATIONS WITH ARCHITECTURAL ELEVATIONS, CASEWORK, AND CEILING PLANS.

B. COORDINATE NOTIFICATION DEVICE LOCATIONS WITH OTHER WALL MOUNTED DEVICES (I.E. TELEVISION, PROJECTOR SCREEN, ETC.)





1 FA1.1 FIRST FLOOR FIRE ALARM PLAN

SCALE: 1/8" = 1'-0" (WHEN PRINTED FULL SCALE ON 30"x42")

0' 4' 8' 16' 32'

2 FA1.1 BASEMENT FIRE ALARM PLAN

SCALE: 1/8" = 1'-0" (WHEN PRINTED FULL SCALE ON 30"x42")

0' 4' 8' 16' 32'

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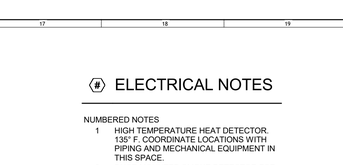
SEAL



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2	ADDENDUM #3	06/11/2025

JOB NO. 22089

ISSUE DATE 03/28/2025

SHEET TITLE
FIRST FLOOR FIRE ALARM PLAN

DRAWN CWA

REVIEW AJG

FA1.1

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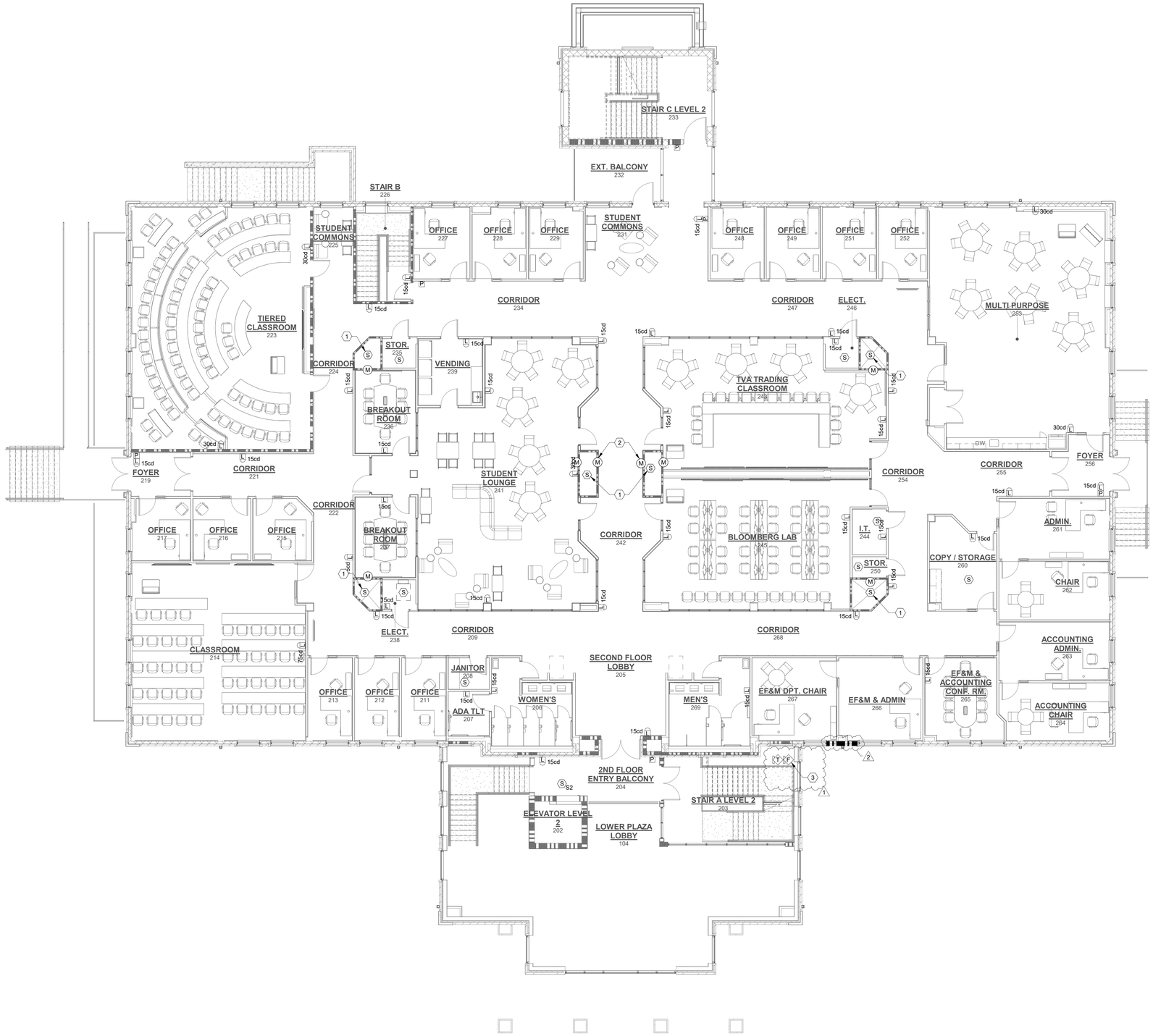

ELECTRICAL NOTES

NUMBERED NOTES

1. DUCT-MOUNTED SMOKE DETECTOR FOR HVAC DAMPERS. COORDINATE EXACT LOCATIONS, QUANTITIES, AND REQUIREMENTS WITH MECHANICAL.
2. TYP. CONTROL MODULE FOR ACTIVATION OF HVAC DAMPERS. COORDINATE EXACT LOCATIONS, QUANTITIES, AND REQUIREMENTS WITH MECHANICAL.
3. COORDINATE EXACT LOCATIONS OF TAMPER AND FLOW SWITCHES WITH FIRE PROTECTION.

GENERAL NOTES

A. COORDINATE ALL DEVICE LOCATIONS WITH ARCHITECTURAL ELEVATIONS, CASEWORK, AND CEILING PLANS.

B. COORDINATE NOTIFICATION DEVICE LOCATIONS WITH OTHER WALL MOUNTED DEVICES (I.E. TELEVISION, PROJECTOR SCREEN, ETC.)

1 FA1.2 SECOND FLOOR FIRE ALARM PLAN

SCALE: 1/8" = 1'-0" (WHEN PRINTED FULL SCALE ON 30"x42")

0' 4' 8' 16' 32'

NORTH

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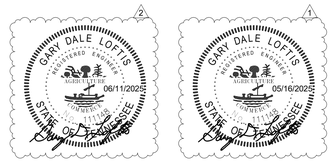

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SHEET TITLE SECOND FLOOR FIRE ALARM PLAN

DRAWN CWA

REVIEW AJG

FA1.2

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ELECTRICAL NOTES

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3. COORDINATE EXACT LOCATIONS OF TAMPER AND FLOW SWITCHES WITH FIRE PROTECTION.

GENERAL NOTES

- A. COORDINATE ALL DEVICE LOCATIONS WITH ARCHITECTURAL ELEVATIONS, CASEWORK, AND CEILING PLANS.
- B. COORDINATE NOTIFICATION DEVICE LOCATIONS WITH OTHER WALL MOUNTED DEVICES (I.E. TELEVISION, PROJECTOR SCREEN, ETC.)

1 FA1.3 — THIRD FLOOR FIRE ALARM PLAN

SCALE: 1/8" = 1'-0" (WHEN PRINTED FULL SCALE ON 30"x42")

0' 4' 8' 16' 32'

NORTH

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LOCATION
COOKEVILLE, TN

OWNER
TENNESSEE TECH. UNIVERSITY

SEAL

GARY DALE LOFTIS — REGISTERED ENGINEER — STATE OF TENNESSEE — 06/11/2025
GARY DALE LOFTIS — REGISTERED ENGINEER — STATE OF TENNESSEE — 03/28/2025

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ISSUE DATE 03/28/2025

SHEET TITLE: THIRD FLOOR FIRE ALARM PLAN

DRAWN: CWA

REVIEW: AJG

FA1.3

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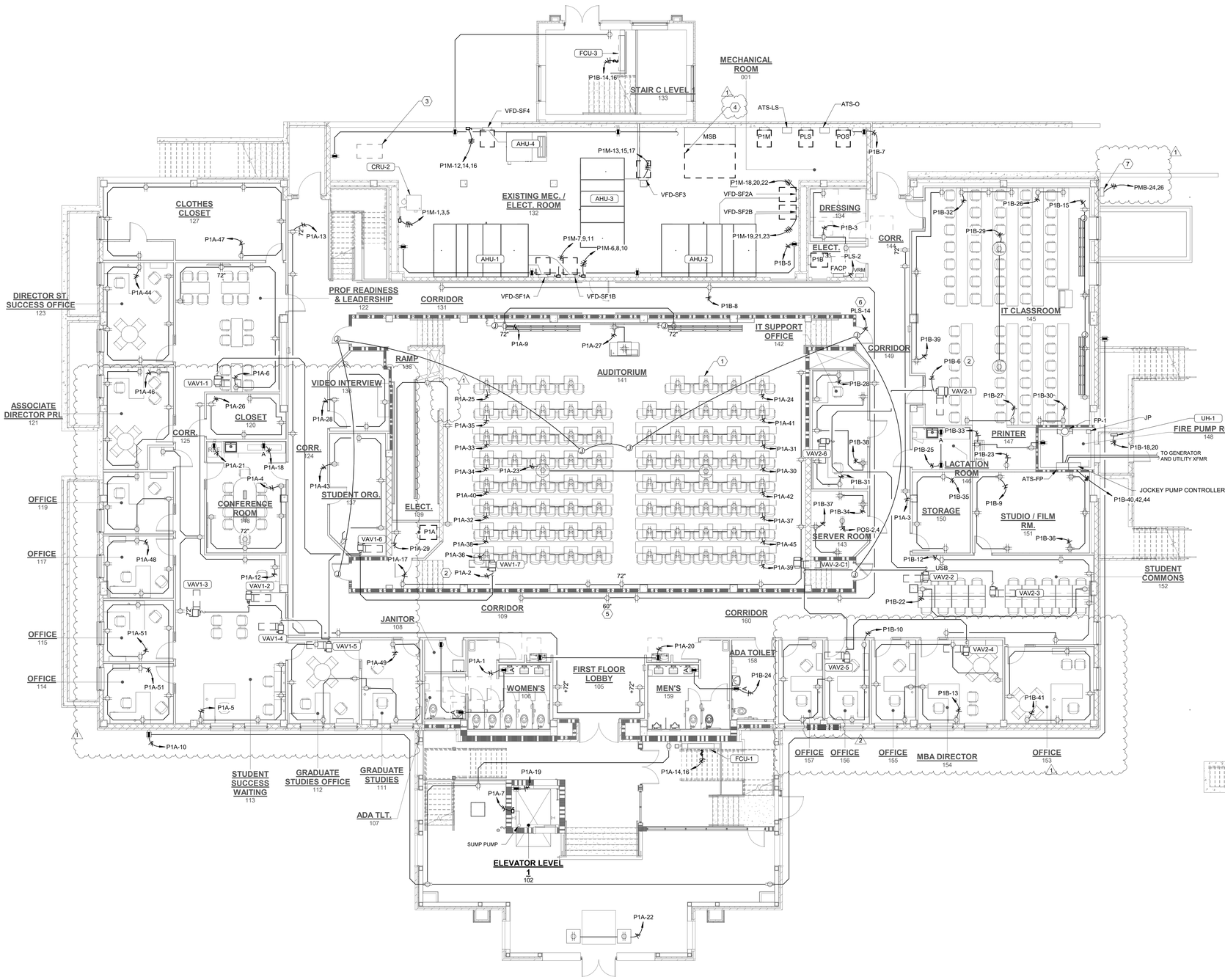
ELECTRICAL NOTES

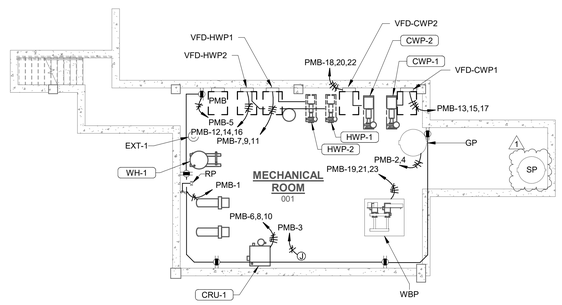
NUMBERED NOTES

1. TYPICAL. REPLACE ALL FLOOR MOUNTED RECEPTACLES WITHIN AUDITORIUM. INSTALL NEW CIRCUITRY TO RECEPTACLES. REUSE EXISTING CONDUITS AS PRACTICAL. COORDINATE WITH EXISTING CONDITIONS. COORDINATE EXACT LOCATIONS OF RECEPTACLES WITH OWNER AND FURNITURE LAYOUT.
2. TYPICAL. 120V SNAP SWITCH FOR MECHANICAL UNIT. CONTRACTOR SHALL CONNECT 120V CIRCUIT TO CONTROL POWER TRANSFORMER WITHIN MECHANICAL UNIT. COORDINATE WITH MECHANICAL.
3. EXISTING GENERATOR TO BE REMOVED.
4. EXTRA WORKSPACE FOR LARGE EQUIPMENT PER NEC 110.26 (C)(2)(b).
5. MOUNT RECESSED FOR SEAL.
6. TYPICAL. 120V CIRCUIT FOR HVAC SMOKE DAMPER CONTROL MODULE. COORDINATE EXACT LOCATION WITH MECHANICAL AND FIRE ALARM.
7. SUMP PUMP CONTROL PANEL AND ALARM MOUNTED ON EXTERIOR OF BUILDING.

GENERAL NOTES

- A. COORDINATE LOCATIONS OF RECEPTACLES AND DEVICES WITH ARCHITECTURAL ELEVATIONS AND CASEWORK.
- B. COORDINATE EXACT FLOOR BOX LOCATIONS WITH OWNER AND FURNITURE.
- C. CONTACTOR SHALL COORDINATE WITH ALL TRADES TO KEEP EQUIPMENT AND WORK SPACE CLEAR.





1 E1.1 **FIRST FLOOR POWER PLAN**

SCALE: 1/8" = 1'-0" (WHEN PRINTED FULL SCALE ON 30"x42")

0' 4' 8' 16' 32'

2 E1.1 **BASEMENT POWER PLAN**

SCALE: 1/8" = 1'-0" (WHEN PRINTED FULL SCALE ON 24"X36")

0' 4' 8' 16' 32'

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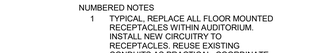
PROJECT
JOHNSON HALL RENOVATION & FOSTER DEMOLITION
JOHNSON HALL RENOVATION - PKG. 2
SBC Nº 364/011-04-2022CM

LOCATION
COOKEVILLE, TN

OWNER
TENNESSEE TECH. UNIVERSITY

SEAL



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NO.	DESCRIPTION	DATE
1	ADDENDUM #1	2025/23 /05
2	ADDENDUM #3	06/11/2025

JOB NO. 22089

ISSUE DATE 03/28/2025

SHEET TITLE FIRST FLOOR POWER PLAN

DRAWN JLC

REVIEW DIB

E1.1

MAFFETT OFTIS ENGINEERING, LLC
1 S JEFFERSON AVE, STE 101
COOKEVILLE, TN 38501
TEL: (931) 526-5143
www.maffett-loftis.com

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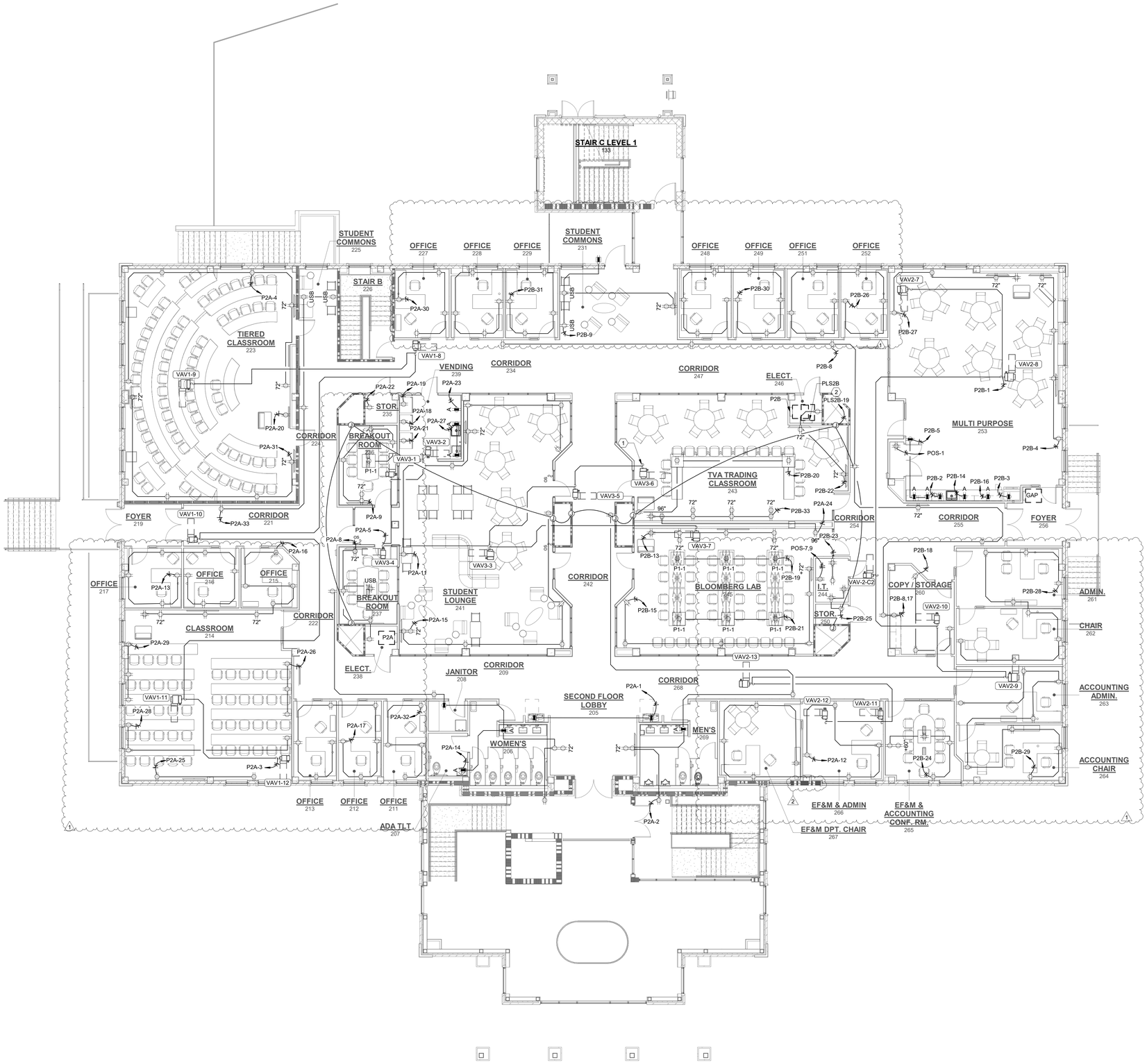

ELECTRICAL NOTES

NUMBERED NOTES

1 TYPICAL, 120V SNAP SWITCH FOR MECHANICAL UNIT. CONTRACTOR SHALL CONNECT 120V CIRCUIT TO CONTROL POWER TRANSFORMER WITHIN MEACHANICAL UNIT. COORDINATE WITH MECHANICAL.

2 TYPICAL, 120V CIRCUIT FOR HVAC SMOKE DAMPER CONTROL MODULE. COORDINATE EXACT LOCATION WITH MECHANICAL AND FIRE ALARM.

GENERAL NOTES

A COORDINATE LOCATIONS OF RECEPTACLES AND DEVICES WITH ARCHITECTURAL ELEVATIONS AND CASEWORK.

B COORDINATE EXACT FLOOR BOX LOCATIONS WITH OWNER AND FURNITURE.

1 E1.2 SECOND FLOOR POWER PLAN

SCALE: 1/8" = 1'-0" (WHEN PRINTED FULL SCALE ON 24"X36")

0' 4' 8' 16' 32'

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PROJECT
JOHNSON HALL RENOVATION & FOSTER DEMOLITION
JOHNSON HALL RENOVATION - PKG. 2
SBC Nº 364/011-04-2022CM

LOCATION
COOKEVILLE, TN

OWNER
TENNESSEE TECH. UNIVERSITY

SEAL
GARY DALE LOFTIS
REGISTERED ENGINEER
06/11/2025
05/16/2025
03/28/2025
STATE OF TENNESSEE

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ISSUE DATE
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SHEET TITLE
SECOND FLOOR POWER PLAN

DRAWN JLC
REVIEW DIB

E1.2

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www.maffett-loftis.com

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ELECTRICAL NOTES

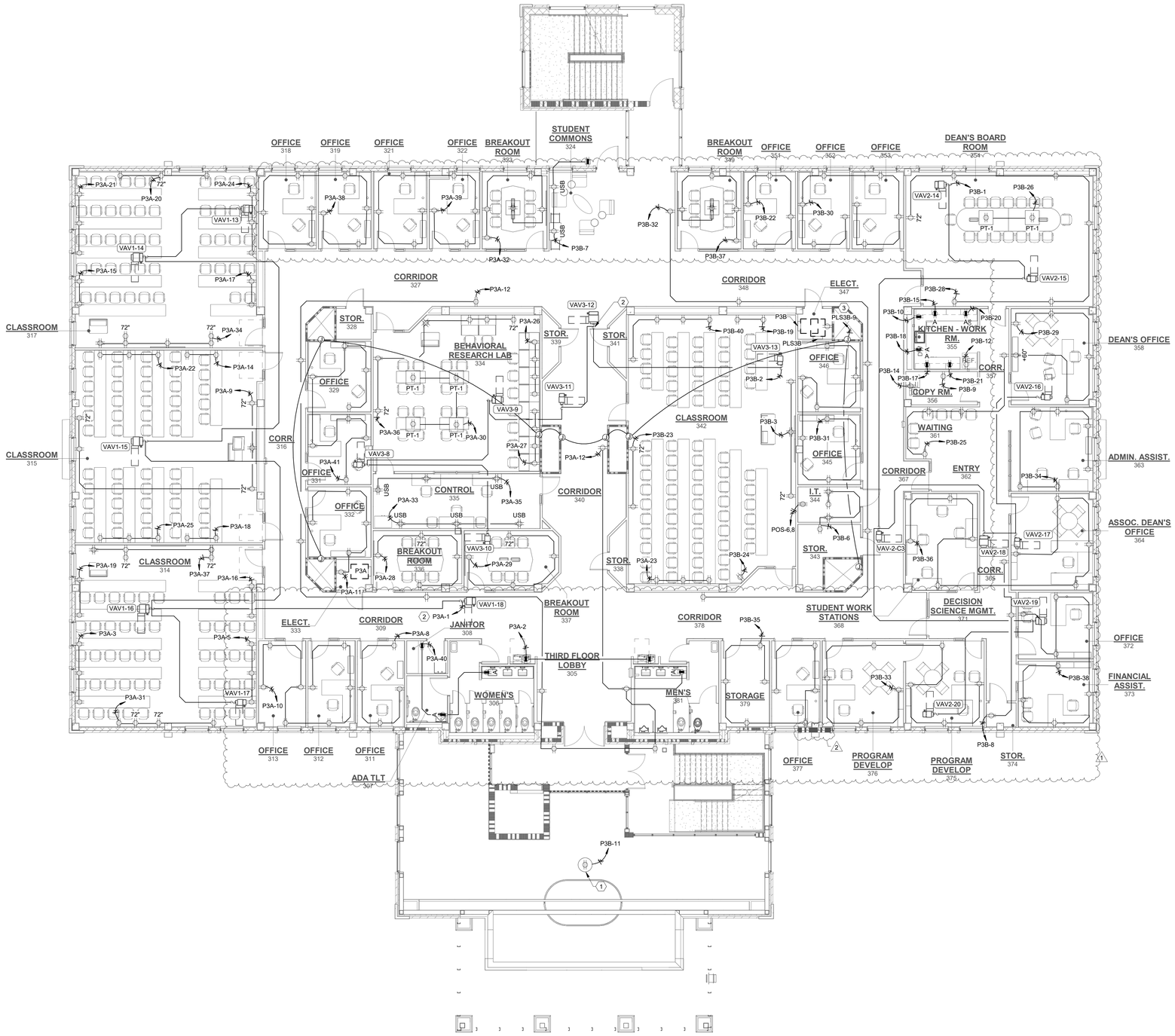
NUMBERED NOTES

1. CEILING RECEPTACLE FOR SUSPENDED STOCK TICKER SIGNAGE. COORDINATE EXACT LOCATION WITH SIGNAGE.
2. TYPICAL, 120V SNAP SWITCH FOR MECHANICAL UNIT. CONTRACTOR SHALL CONNECT 120V CIRCUIT TO CONTROL POWER TRANSFORMER WITHIN MEACHANICAL UNIT. COORDINATE WITH MECHANICAL.
3. 120V CIRCUIT FOR HVAC SMOKE DAMPER CONTROL MODULE. COORDINATE EXACT LOCATION WITH MECHANICAL AND FIRE ALARM.

GENERAL NOTES

A. COORDINATE LOCATIONS OF RECEPTACLES AND DEVICES WITH ARCHITECTURAL ELEVATIONS AND CASEWORK.

B. COORDINATE EXACT FLOOR BOX LOCATIONS WITH OWNER AND FURNITURE.



1 THIRD FLOOR POWER PLAN
E1.3
SCALE: 1/8" = 1'-0" (WHEN PRINTED FULL SCALE ON 24"X36")
0' 4' 8' 16' 32'

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PROJECT
JOHNSON HALL RENOVATION & FOSTER DEMOLITION
JOHNSON HALL RENOVATION - PKG. 2
SBC Nº 364/011-04-2022CM

LOCATION
COOKEVILLE, TN

OWNER
TENNESSEE TECH. UNIVERSITY

SEAL
GARY DALE LOFTIS REGISTERED ENGINEER TENNESSEE 06/11/2025 STATE OF TENNESSEE
GARY DALE LOFTIS REGISTERED ENGINEER TENNESSEE 05/16/2025 STATE OF TENNESSEE
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ISSUE DATE 03/28/2025

SHEET TITLE THIRD FLOOR POWER PLAN

DRAWN JLC

REVIEW DIB

E1.3

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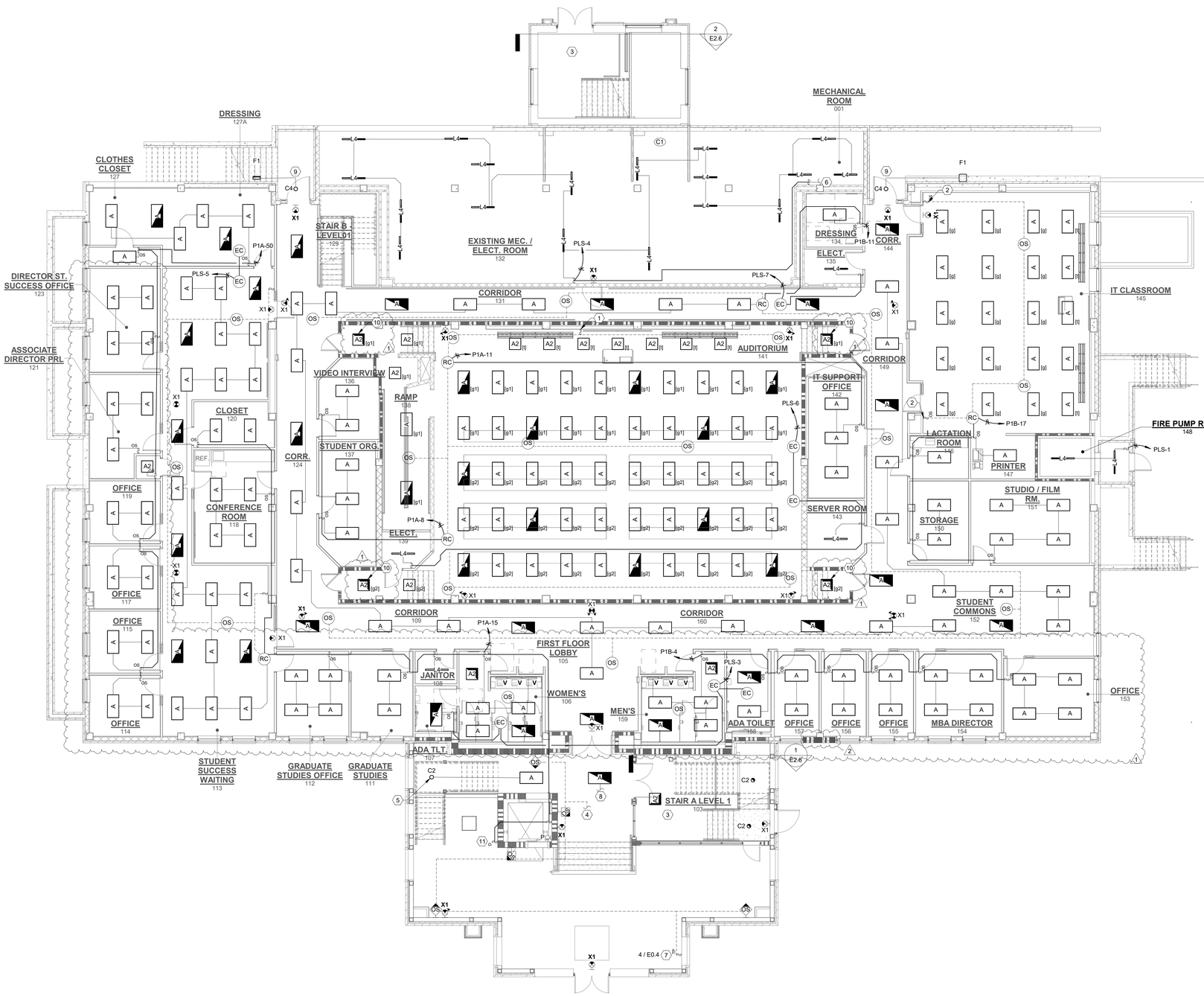
(#) ELECTRICAL NOTES

NUMBERED NOTES

1. 8 - BUTTON SWITCH. BASIS OF DESIGN IS LEGRAND LMSW-108-W.
2. 4 - BUTTON SWITCH. BASIS OF DESIGN IS LEGRAND LMSW-104-W.
3. REFER TO SHEET E2.6 FOR STAIRWAY LIGHTING.
4. CONTINUE CAT6 CABLE TO LOBBY ROOM CONTROLLERS ON THIRD FLOOR.
5. CIRCUIT TO NORMAL POWERED LOBBY PENDANT LIGHTS.
6. CONTINUE SWITCH LEG TO LIGHTING CIRCUIT DOWNSTAIRS.
7. TOUCHPAD FOR LOBBY LIGHTING CONTROLS. SEE REFERENCED DETAIL FOR ADDITIONAL INFORMATION.
8. CONTINUE CAT6 CABLE TO LOBBY ROOM CONTROLLERS ON THIRD FLOOR.
9. LIGHTS TO BE PART OF SOUTH EXTERIOR LIGHTING CIRCUIT. ROUTE TO CONTACTOR AND SWITCH VIA PHOTOCELL.
10. LIGHT FIXTURES IN THE FIRE-RATED CEILING SHALL HAVE A FIRE-RATED ENCLOSURE.
11. DIMMER SWITCH FOR SPOTLIGHT ON EAGLE DISPLAY CASE.

GENERAL NOTES

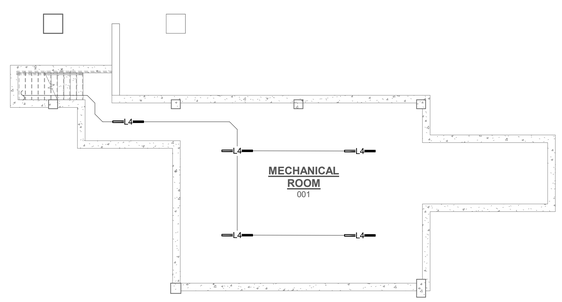
- A. ROUTE UNSWITCHED HOT CONDUCTOR TO EXIT/EMERGENCY FIXTURES FROM LIGHTING CIRCUIT SERVING THE SAME SPACE. REFER TO LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION.
- B. COORDINATE EXACT FIXTURE LOCATIONS WITH ARCHITECTURAL CEILING PLANS.



1 E2.1 FIRST FLOOR ELECTRICAL LIGHTING PLAN

SCALE: 1/8" = 1'-0" (WHEN PRINTED FULL SCALE ON 30"x42")

0' 4' 8' 16' 32'



2 E2.1 BASEMENT LIGHTING PLAN

SCALE: 1/8" = 1'-0" (WHEN PRINTED FULL SCALE ON 30"x42")

0' 4' 8' 16' 32'

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JOHNSON HALL RENOVATION - PKG. 2
SBC Nº 364/011-04-2022CM

LOCATION
COOKEVILLE, TN

OWNER
TENNESSEE TECH. UNIVERSITY

SEAL
GARY DALE LOFTIS REGISTERED ENGINEER 06/11/2025
GARY DALE LOFTIS REGISTERED ENGINEER 05/16/2025
GARY DALE LOFTIS REGISTERED ENGINEER 03/28/2025
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JOB NO.
22089

ISSUE DATE
03/28/2025

SHEET TITLE
FIRST FLOOR LIGHTING PLAN

DRAWN JLC

REVIEW GDL

E2.1

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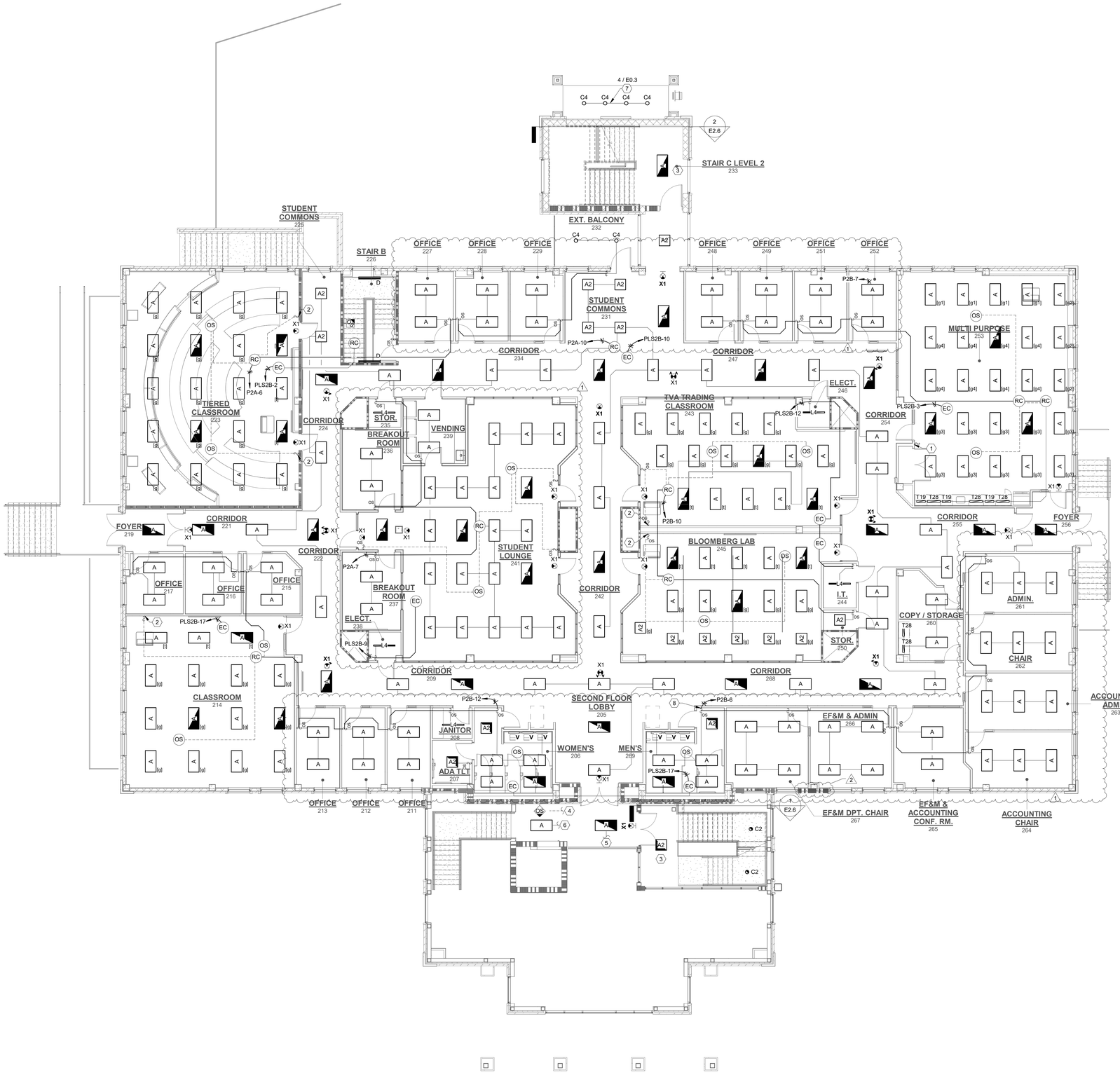

ELECTRICAL NOTES

NUMBERED NOTES

1. 8 - BUTTON SWITCH. BASIS OF DESIGN IS LEGRAND LMSW-108-W.
2. 4 - BUTTON SWITCH. BASIS OF DESIGN IS LEGRAND LMSW-104-W.
3. REFER TO SHEET E2.6 FOR STAIRWAY LIGHTING.
4. CONTINUE CAT6 CABLE TO LOBBY ROOM CONTROLLERS ON THIRD FLOOR.
5. CIRCUIT TO EMERGENCY POWERED LOBBY PENDANT LIGHTS.
6. CIRCUIT TO NORMAL POWERED LOBBY PENDANT LIGHTS.
7. UNDER CANOPY LIGHTS CIRCUITED TO WEST EXTERIOR LIGHTING.
8. OCCUPANCY SENSORS IN BATHROOM SHALL BE WIRED IN A MASTER/SLAVE CONFIGURATION.

GENERAL NOTES

- A. ROUTE UNSWITCHED HOT CONDUCTOR TO EXIT/EMERGENCY FIXTURES FROM LIGHTING CIRCUIT SERVING THE SAME SPACE. REFER TO LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION.
- B. COORDINATE EXACT FIXTURE LOCATIONS WITH ARCHITECTURAL CEILING PLANS.

1 / E2.2 SECOND FLOOR ELECTRICAL LIGHTING PLAN

SCALE: 1/8" = 1'-0" (WHEN PRINTED FULL SCALE ON 30"x42")

0' 4' 8' 16' 32'

NORTH

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PROJECT
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JOHNSON HALL RENOVATION - PKG. 2
SBC Nº 364/011-04-2022CM

LOCATION
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OWNER
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JOB NO. 22089

ISSUE DATE 03/28/2025

SHEET TITLE
SECOND FLOOR LIGHTING PLAN

DRAWN JLC

REVIEW GDL

E2.2

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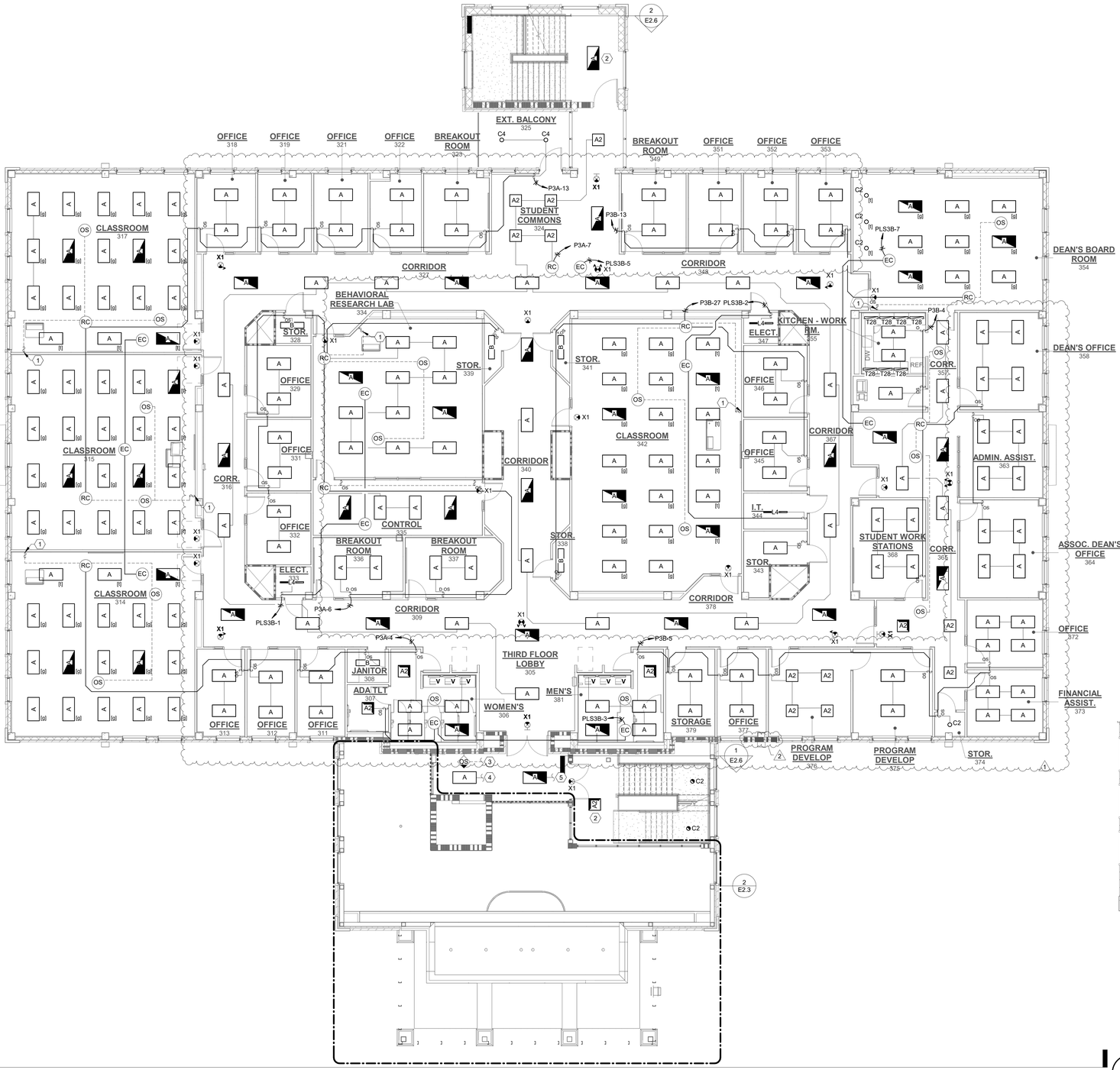
ELECTRICAL NOTES

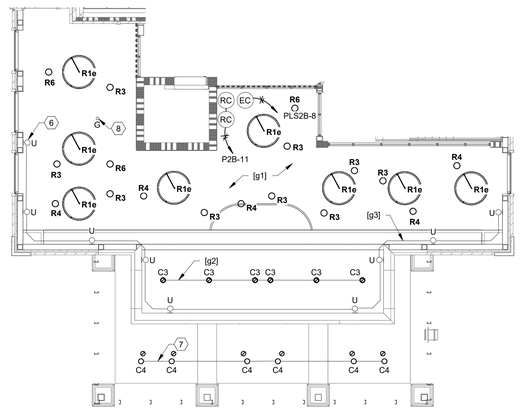
NUMBERED NOTES

1. 4 - BUTTON SWITCH. BASIS OF DESIGN IS LEGRAND LMSW-104-W.
2. REFER TO SHEET E2.6 FOR STAIRWAY LIGHTING.
3. CONTINUE CAT6 CABLE TO LOBBY ROOM CONTROLLERS ON THIRD FLOOR.
4. CIRCUIT TO NORMAL POWERED LOBBY PENDANT LIGHTS.
5. CIRCUIT TO EMERGENCY POWERED LOBBY PENDANT LIGHTS.
6. 'U' FIXTURES TO BE MOUNTED 18' AFF.
7. UNDER CANOPY LIGHTS CIRCUITED TO WEST EXTERIOR LIGHTING.
8. 'G' FIXTURE TILT TO BE ADJUSTED TO SERVE AS A SPOTLIGHT FOR THE EAGLE DISPLAY CASE. COORDINATE MOUNTING IN BETWEEN CEILINGS WITH MANUFACTURER AND ARCHITECT.

GENERAL NOTES

- A. ROUTE UNSWITCHED HOT CONDUCTOR TO EXIT/EMERGENCY FIXTURES FROM LIGHTING CIRCUIT SERVING THE SAME SPACE. REFER TO LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION.
- B. COORDINATE EXACT FIXTURE LOCATIONS WITH ARCHITECTURAL CEILING PLANS.





1 E2.3 THIRD FLOOR ELECTRICAL LIGHTING PLAN

SCALE: 1/8" = 1'-0" (WHEN PRINTED FULL SCALE ON 30"x42")

0' 4' 8' 16' 32'

NORTH

2 E2.3 LOBBY PENDANT LIGHTING PLAN

SCALE: 1/8" = 1'-0" (WHEN PRINTED FULL SCALE ON 30"x42")

0' 4' 8' 16' 32'

3 E2.6

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PROJECT
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JOHNSON HALL RENOVATION - PKG. 2
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LOCATION
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OWNER
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SEAL

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SHEET TITLE
THIRD FLOOR LIGHTING PLAN

DRAWN JLC

REVIEW AJG

E2.3

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www.maffett-loftis.com

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TECHNOLOGY NOTES

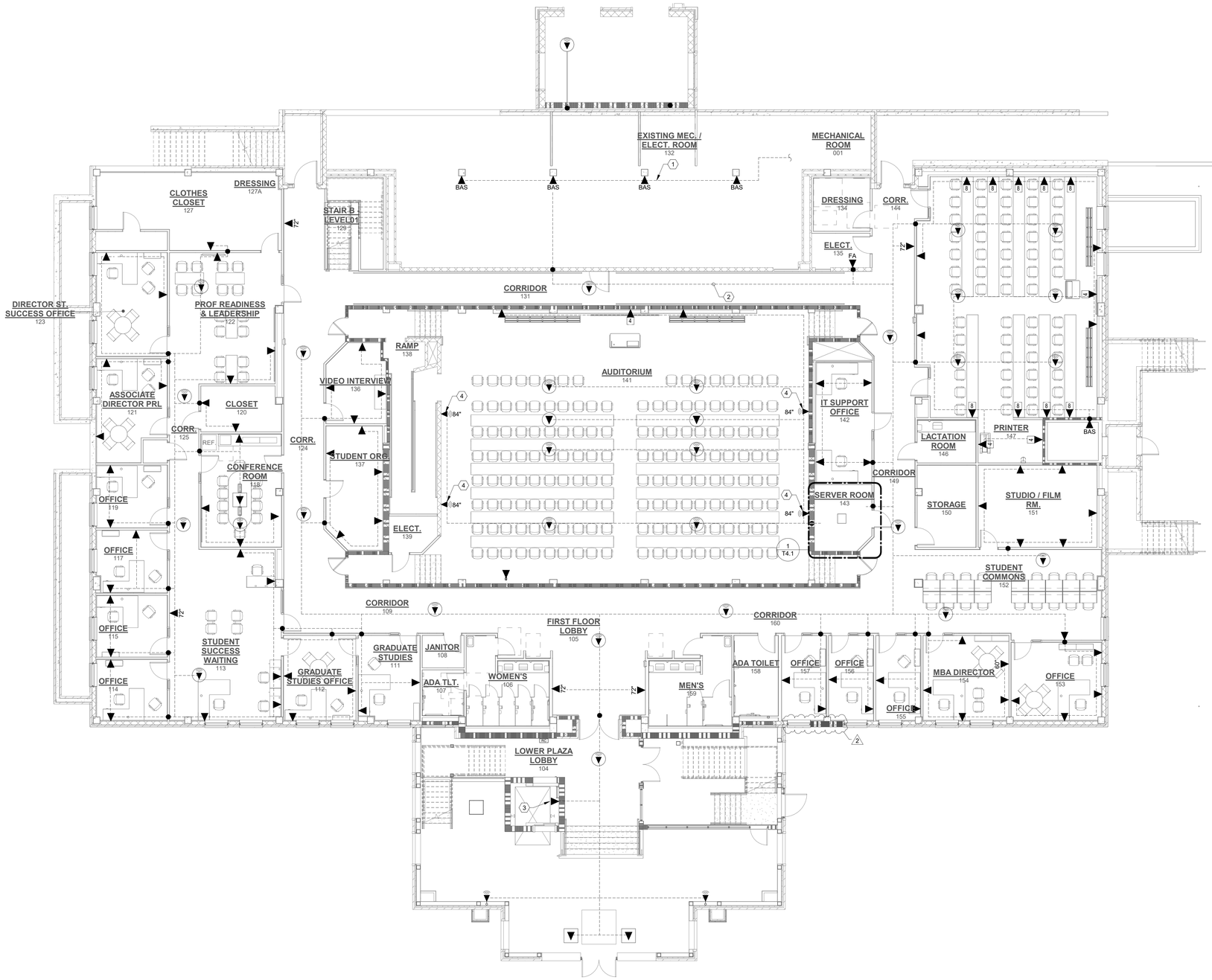
NUMBERED NOTES

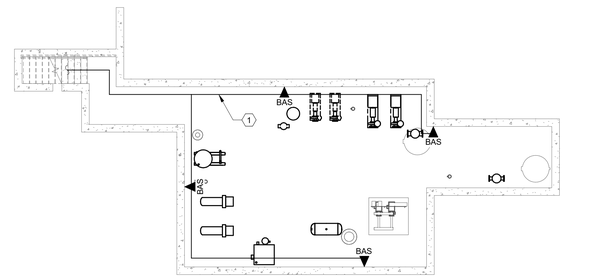
1. CABLING IN CONDUIT SHALL BE ROUTED EXPOSED AS PRACTICAL. COORDINATE ROUTING WITH OTHER TRADES AND STRUCTURE.
2. TYPICAL PROPOSED ROUTING OF J-HOOK PATH. J-HOOKS SHALL BE MOUNTED ON 4'-0" CENTERS. J-HOOKS WITHIN CORRIDORS SHALL BE 6". J-HOOKS LOCATED IN OTHER SPACES SHALL BE 4". COORDINATE ROUTING WITH OTHER TRADES AND STRUCTURE.
3. INSTALL PHONE LINE FROM MDF ROOM TO ELEVATOR. COORDINATE EXACT CONNECTION REQUIREMENTS WITH ELEVATOR MANUFACTURER.
4. MOUNT ACCESS POINTS AT RIGHT ANGLE.

GENERAL NOTES

A. COORDINATE EXACT LOCATIONS OF DATA OUTLETS WITH FURNITURE AND ARCHITECTURAL ELEVATIONS.

B. REFER TO SHEET T0.1 FOR WALL PENETRATION LEGEND.





1 T1.1 FIRST FLOOR COMMUNICATIONS PLAN

SCALE: 1/8" = 1'-0" (WHEN PRINTED FULL SCALE ON 30"x42")

0' 4' 8' 16' 32'

2 T1.1 BASEMENT POWER PLAN

SCALE: 1/8" = 1'-0" (WHEN PRINTED FULL SCALE ON 30"x42")

0' 4' 8' 16' 32'

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SHEET TITLE
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T1.1

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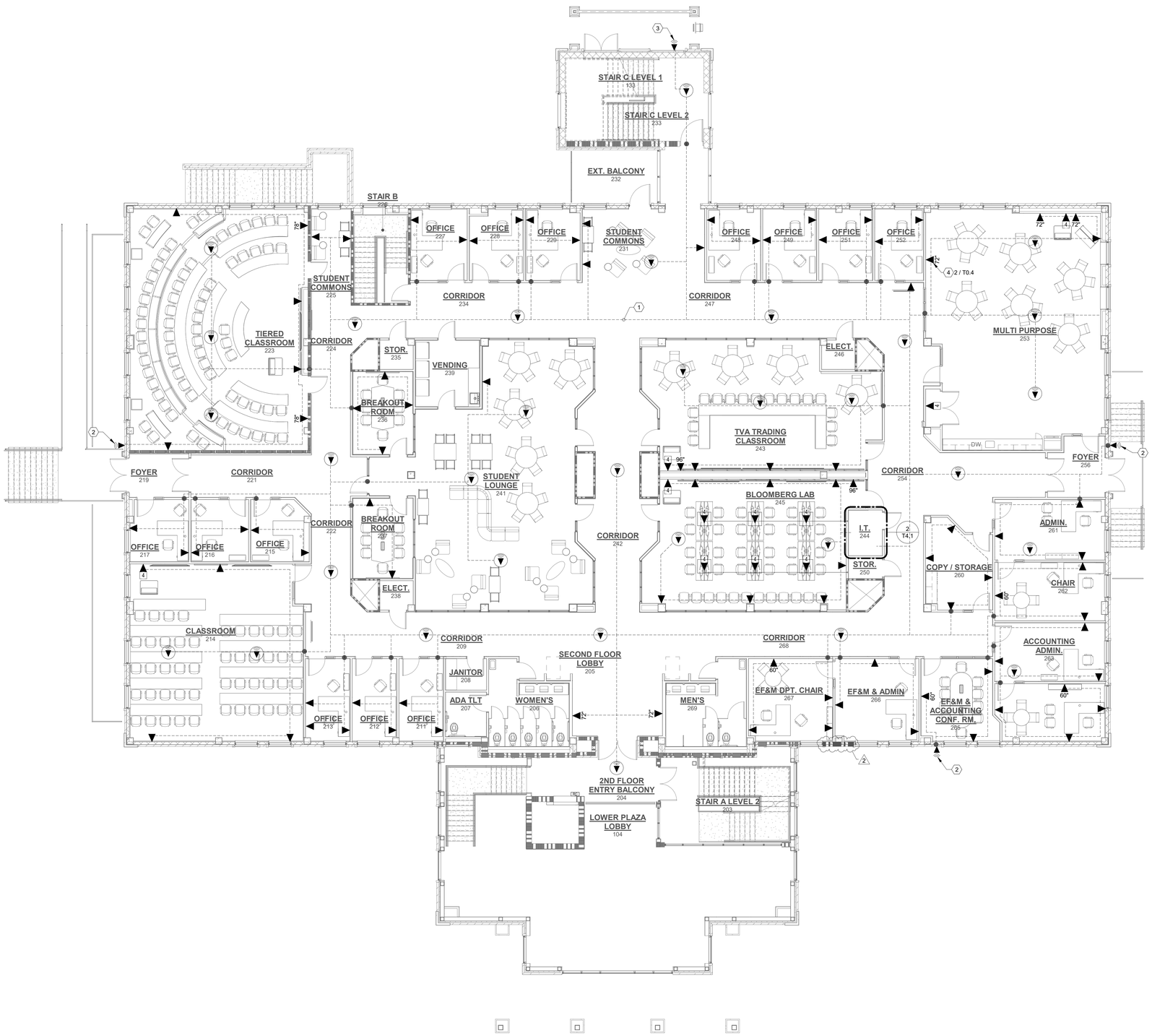

TECHNOLOGY NOTES

NUMBERED NOTES

1. TYPICAL, PROPOSED ROUTING OF J-HOOK PATH. J-HOOKS SHALL BE MOUNTED ON 4'-0" CENTERS. J-HOOKS WITHIN CORRIDORS SHALL BE 6". J-HOOKS LOCATED IN OTHER SPACES SHALL BE 4". COORDINATE ROUTING WITH OTHER TRADES AND STRUCTURE.
2. OUTDOOR ACCESS POINT LOCATION. ACCESS POINT SHALL BE MOUNTED 15'-0" ABOVE FINISHED GRADE IN THIS AREA.
3. OUTDOOR ACCESS POINT LOCATION. ACCESS POINT SHALL BE MOUNTED 8'-6" ABOVE FINISHED GRADE IN THIS AREA.
4. TYP. TV MOUNT. REFER TO REFERENCED DETAIL.

GENERAL NOTES

A. COORDINATE EXACT LOCATIONS OF DATA OUTLETS WITH FURNITURE AND ARCHITECTURAL ELEVATIONS.

B. TYP FOR DIMENTIONED DATA OUTLETS, REFER TO REFERENCED DETAIL 3/T04.

1 / T1.2 SECOND FLOOR COMMUNICATIONS PLAN

SCALE: 1/8" = 1'-0" (WHEN PRINTED FULL SCALE ON 30"x42")

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PROJECT
JOHNSON HALL RENOVATION & FOSTER DEMOLITION
JOHNSON HALL RENOVATION - PKG. 2
SBC Nº 364/011-04-2022CM

LOCATION
COOKEVILLE, TN

OWNER
TENNESSEE TECH. UNIVERSITY

SEAL
GARY DALE LOFTIS REGISTERED ENGINEER 06/11/2025
GARY DALE LOFTIS REGISTERED ENGINEER 03/28/2025
STATE OF TENNESSEE

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2	ADDENDUM #3	06/11/2025

JOB NO. 22089

ISSUE DATE 03/28/2025

SHEET TITLE
SECOND FLOOR COMMUNICATIONS PLAN

DRAWN JLC

REVIEW AJG

T1.2

MAFFETT LOFTIS ENGINEERING, LLC
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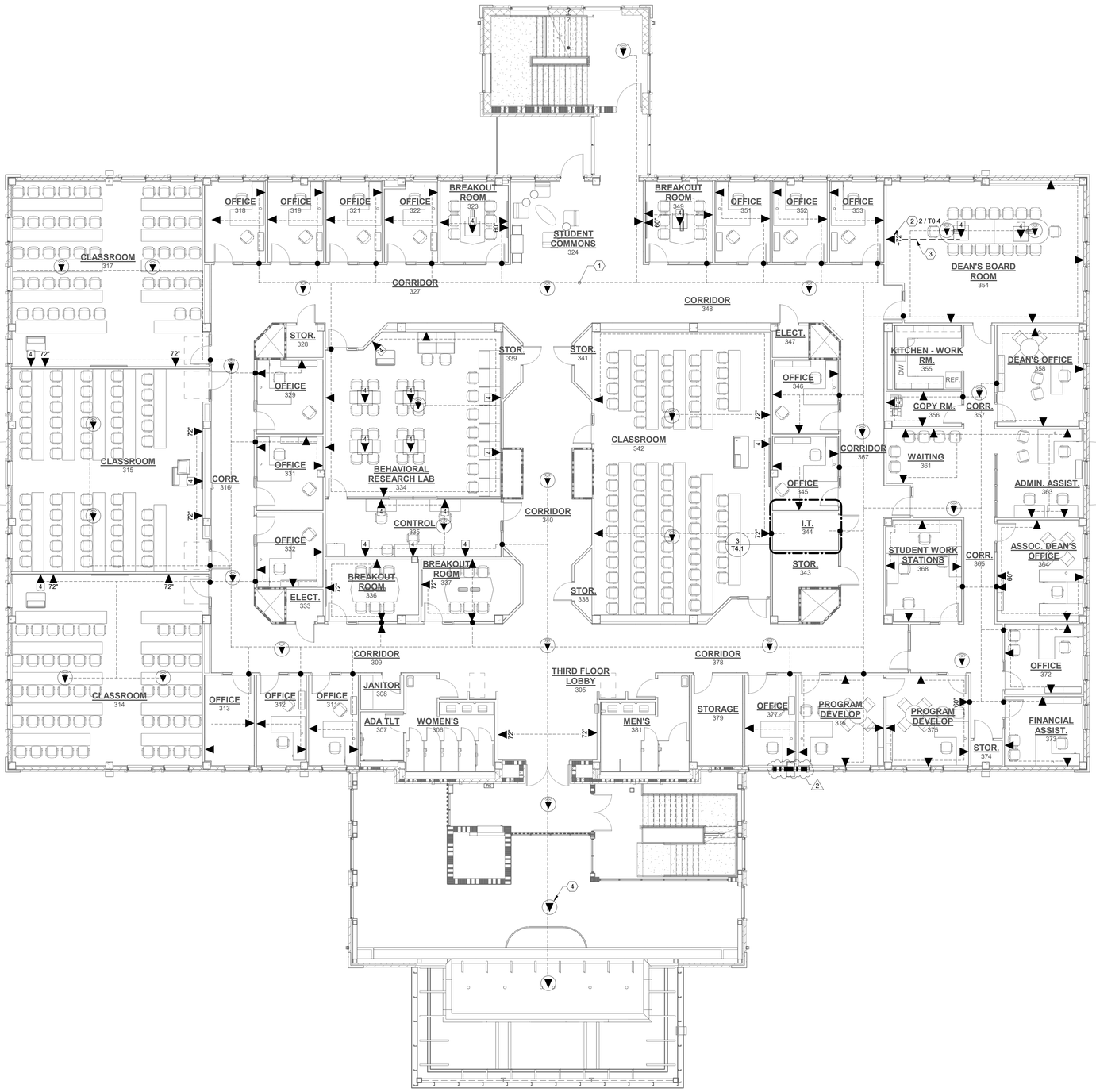

TECHNOLOGY NOTES

NUMBERED NOTES

1. TYPICAL. PROPOSED ROUTING OF J-HOOK PATH. J-HOOKS SHALL BE MOUNTED ON 4'-0" CENTERS. J-HOOKS WITHIN CORRIDORS SHALL BE 6". J-HOOKS LOCATED IN OTHER SPACES SHALL BE 4". COORDINATE ROUTING WITH OTHER TRADES AND STRUCTURE.
2. TYP. TV MOUNT. REFER TO REFERENCED DETAIL.
3. PATH FOR AV CONNECTION FROM FLOOR BOX TO TV. MAKE 90° LONG SWEEP.
4. DATA FOR SUSPENDED STOCK TICKER SIGNAGE. COORDINATE EXACT LOCATION WITH SIGNAGE.

GENERAL NOTES

A. COORDINATE EXACT LOCATIONS OF DATA OUTLETS WITH FURNITURE AND ARCHITECTURAL ELEVATIONS.

1 T1.3 THIRD FLOOR COMMUNICATIONS PLAN

SCALE: 1/8" = 1'-0" (WHEN PRINTED FULL SCALE ON 30"x42")

0' 4' 8' 16' 32'

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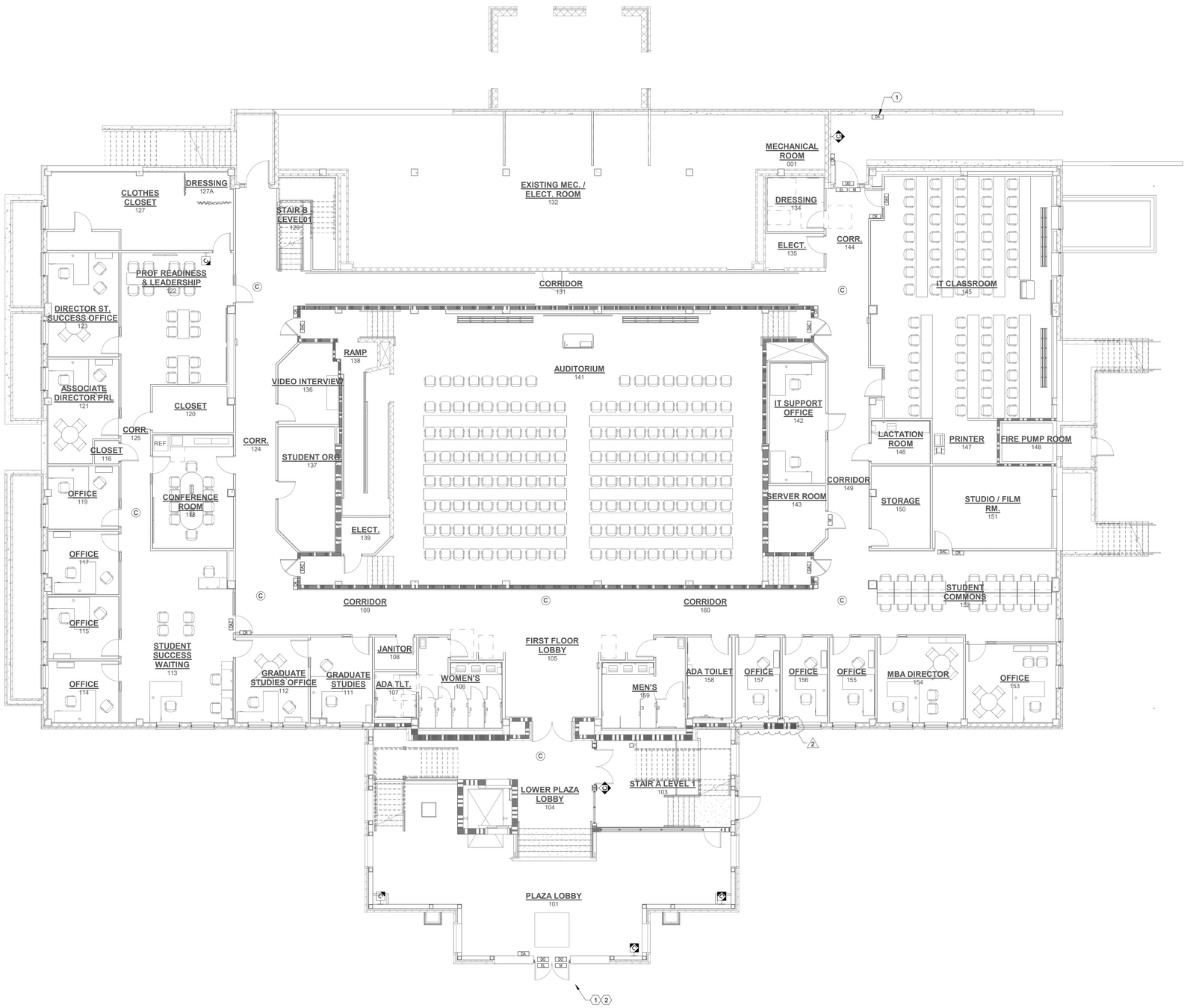

TECHNOLOGY NOTES

NUMBERED NOTES

1 COORDINATE EXACT LOCATION OF ADA DOOR OPENER WITH ARCHITECT. ROUTE CONDUIT BELOW GRADE TO DEVICE AS REQUIRED.

2 MOUNT DEVICES TO OUTDOOR PEDESTAL. COORDINATE WITH ARCHITECTURAL PLANS.

GENERAL NOTES

A COORDINATE EXACT LOCATIONS OF DEVICES AND MOUNTING WITH ARCHITECTURAL PLANS AND OWNER PRIOR TO ROUGH-IN.

1 T2.1 FIRST FLOOR SECURITY PLAN

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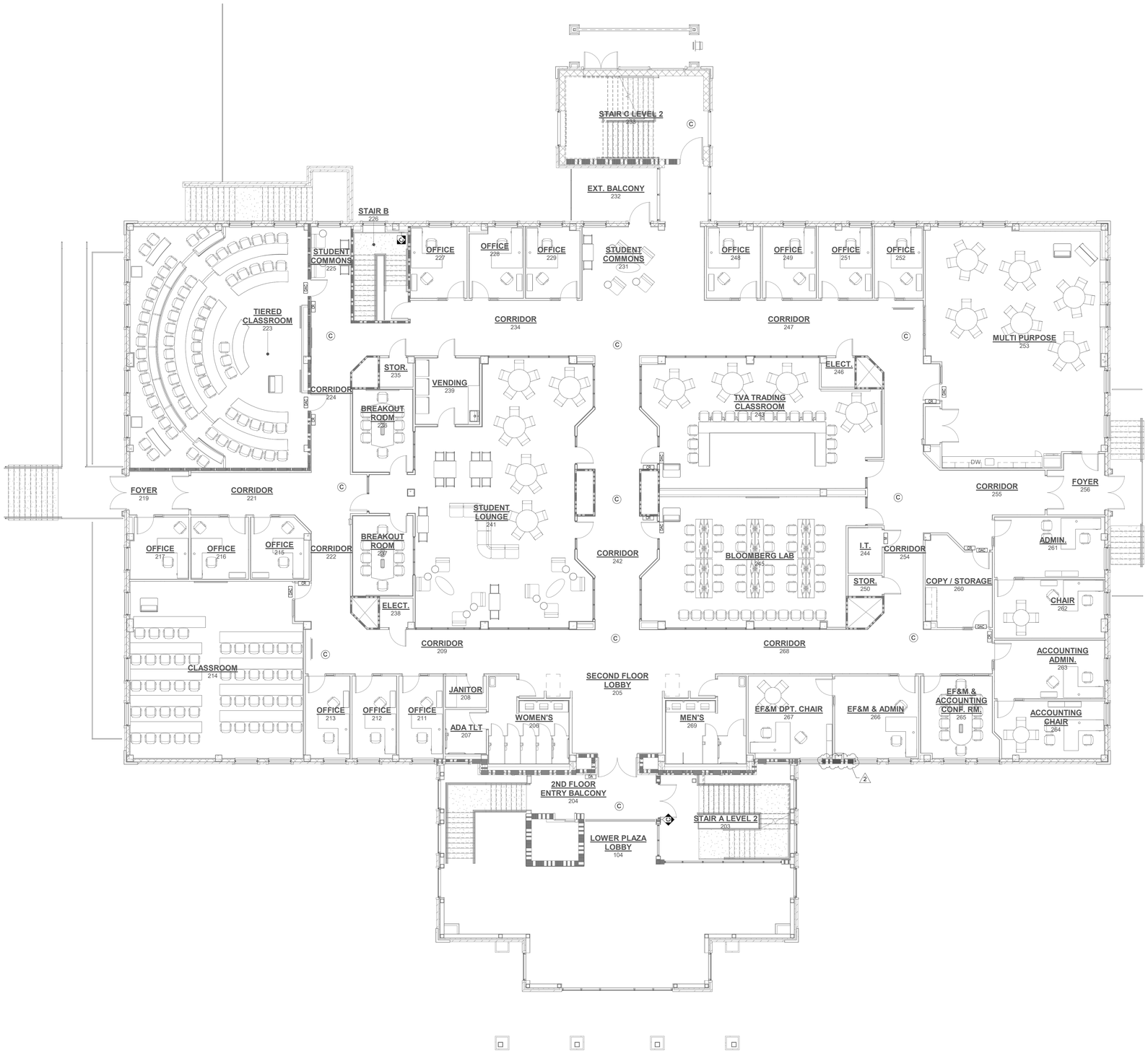

TECHNOLOGY NOTES

GENERAL NOTES

A COORDINATE EXACT LOCATIONS OF DEVICES AND MOUNTING WITH ARCHITECTURAL PLANS AND OWNER PRIOR TO ROUGH-IN.

1 / T2.2 SECOND FLOOR SECURITY PLAN

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TECHNOLOGY NOTES

GENERAL NOTES

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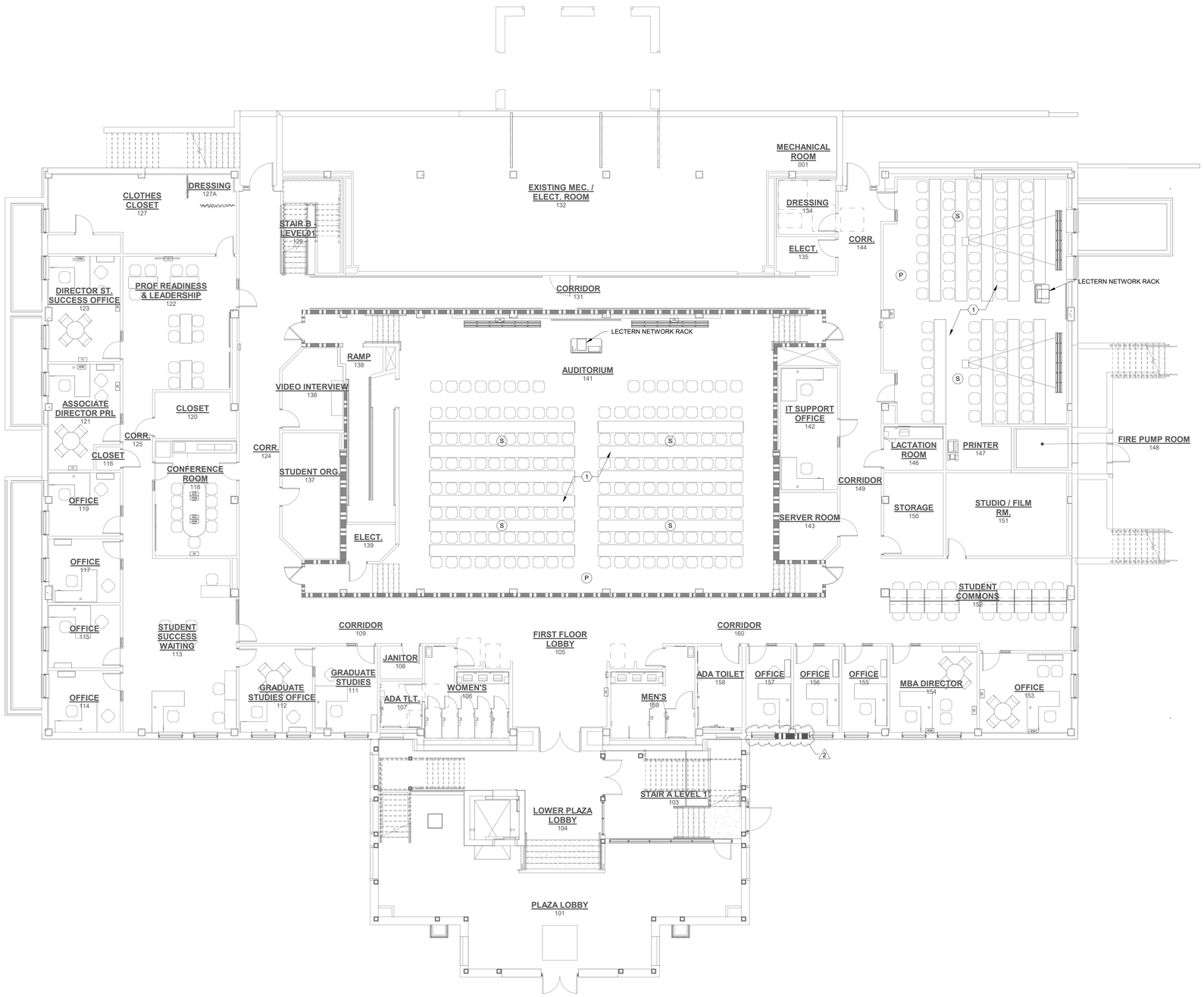

1 / T3.1 FIRST FLOOR AUDIO VISUAL PLAN

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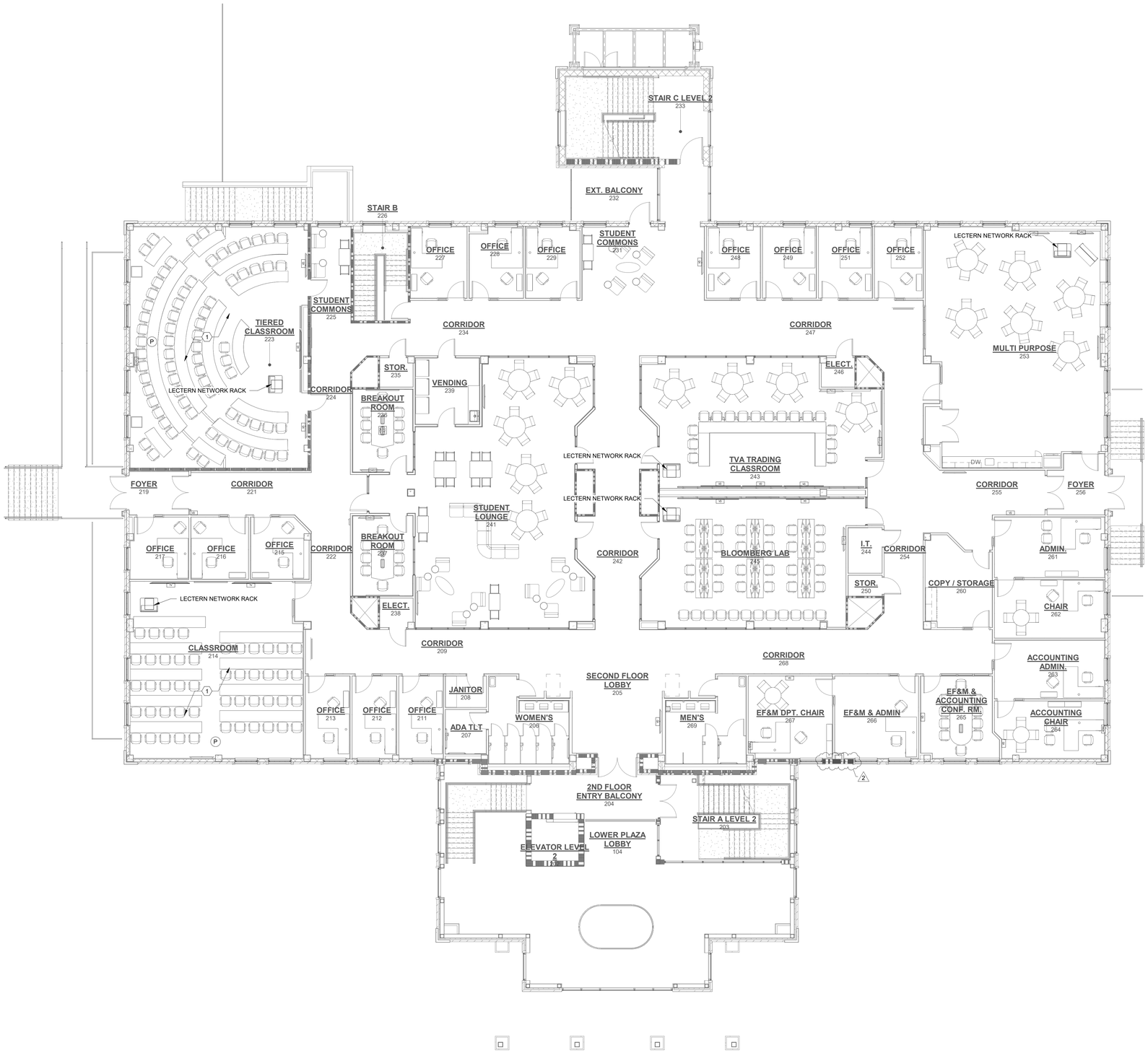

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