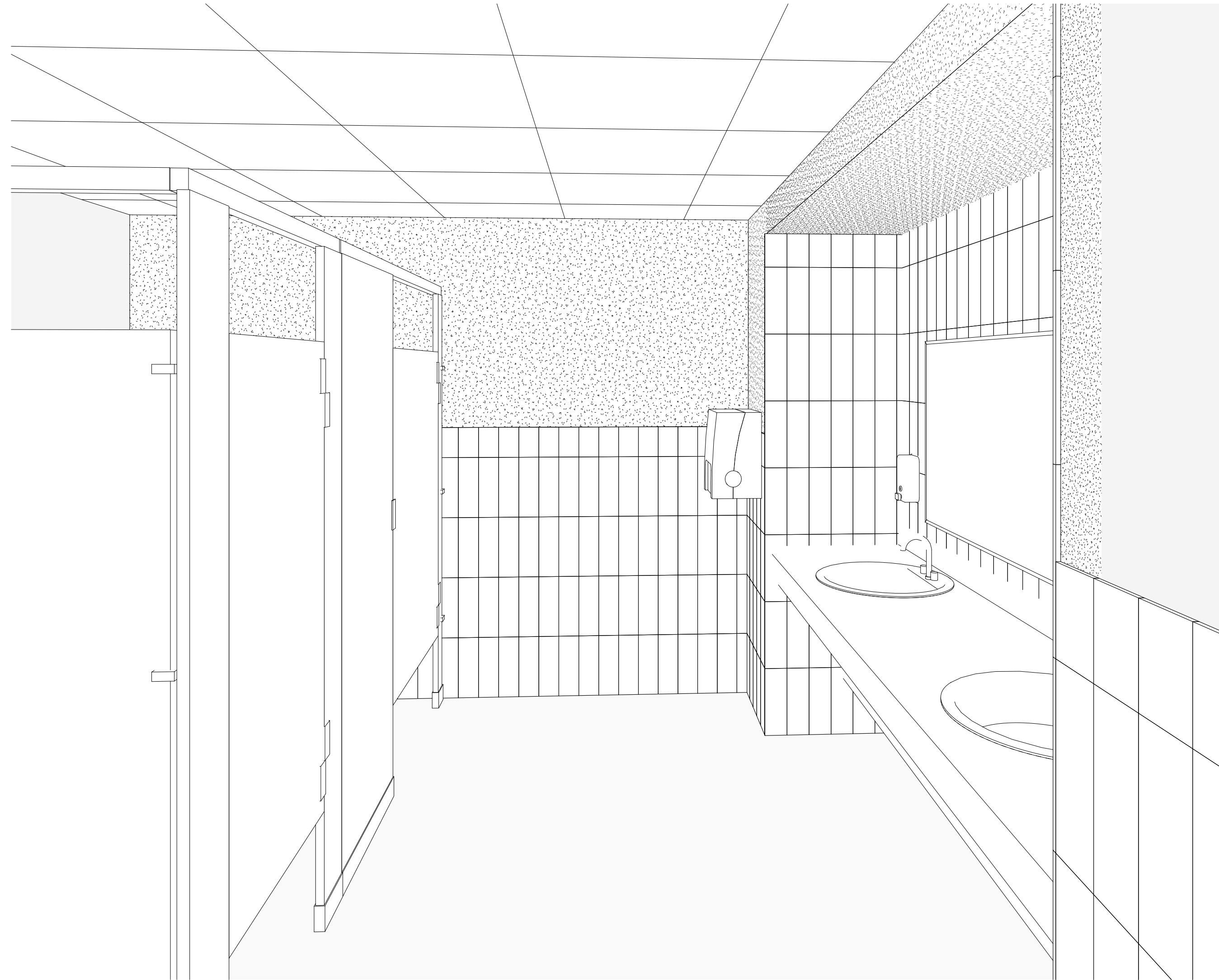


CENTENNIAL HALL IMPROVEMENTS AND RENOVATION

UNIVERSITY OF MISSOURI - MISSOURI UNIVERSITY OF SCIENCE AND TECHNOLOGY, FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI - RC000638

300 W. 12TH STREET
ROLLA, MO 65409
BID-PERMIT SET



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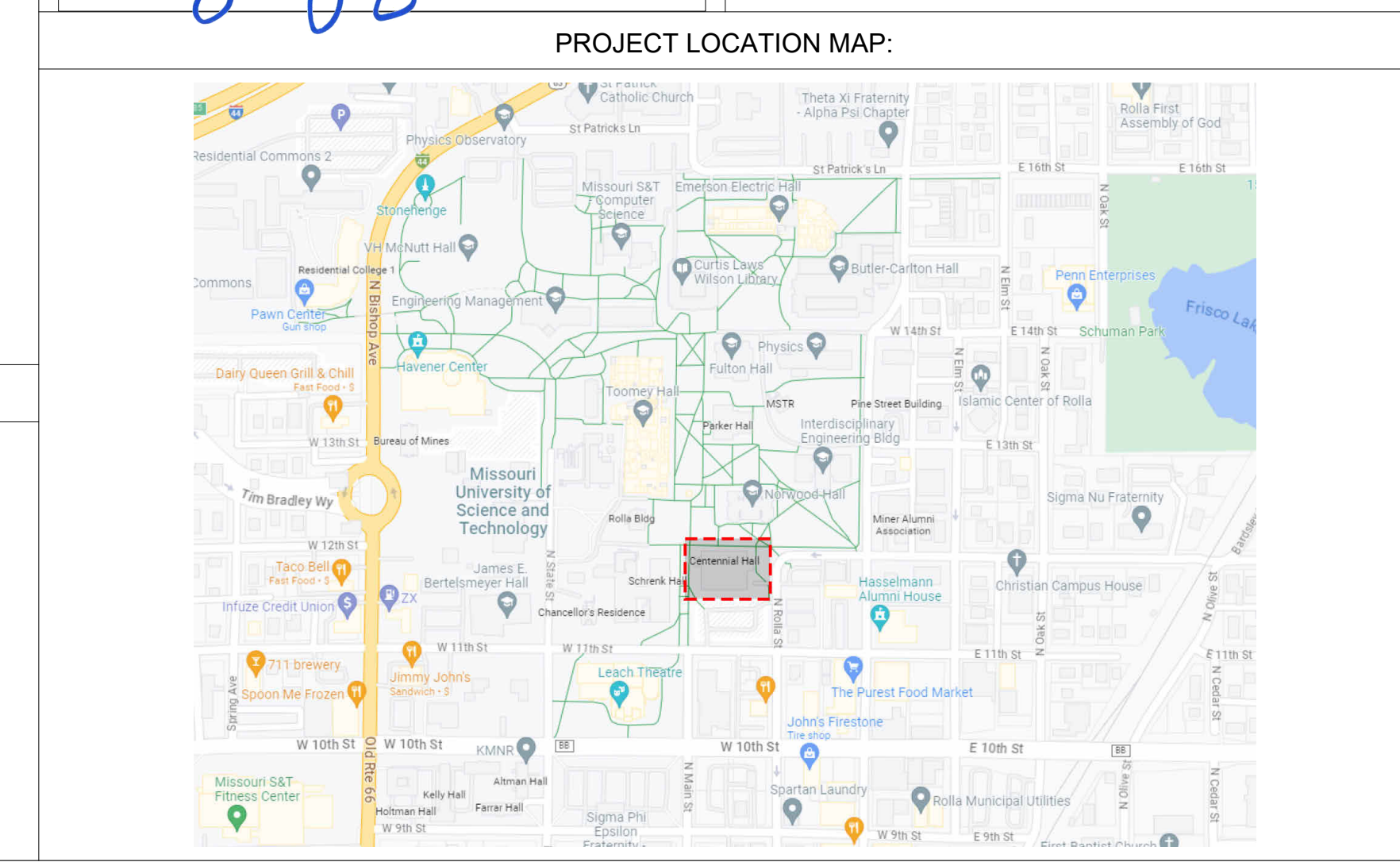
GENERAL NOTES:

- ALL WORK BY ALL TRADES SHALL CONFORM TO AND BE COMPLETED IN ACCORDANCE WITH ALL APPLICABLE CODES, ORDINANCES, STANDARDS OR RESTRICTIONS WHETHER INDICATED ON THE DRAWINGS OR NOT. THE MORE STRINGENT TO GOVERN DISCREPANCIES BETWEEN CONTRACT DOCUMENTS AND CODES SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION PROMPTLY AND RESOLUTION OBTAINED BEFORE PROCEEDING.
- PARAGON ARCHITECTURE IS NOT RESPONSIBLE FOR FIELD ACTIVITIES ON THIS PROJECT WITHOUT DIRECT SUPERVISION OF WORK IN PROGRESS. IT IS NEITHER EXPRESSED NOR IMPLIED THAT THE CONTRACTOR CAN CONSTRUCT THIS PROJECT WITHOUT THE ARCHITECT'S FIELD OBSERVATIONS. IF FIELD CONDITIONS ARE UNCOVERED THAT REQUIRE A CHANGE OR ADDITIONAL INFORMATION THE ARCHITECT DOES NOT DELEGATE THEIR AUTHORITY TO ANYONE ELSE FOR DETERMINING THE MEANING OF THESE PLANS OR SPECIFICATIONS.
- THE CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH ALL SITE CONDITIONS.
- THE CONTRACTOR IS OBLIGATED TO INSPECT FOR EXISTING CONDITIONS AND AVAILABLE INFORMATION PRIOR TO SUBMITTING A BID.
- ALL EXISTING CONDITIONS INDICATED ARE BASED UPON INFORMATION PROVIDED BY OTHERS. NOTIFY THE ARCHITECT IF EXISTING CONDITIONS DEVIATE SUBSTANTIALLY FROM THOSE INDICATED. FIELD VERIFY EXISTING CONDITIONS BY DETAILED INSPECTION PRIOR TO BEGINNING CONSTRUCTION.
- THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND LOCATIONS OF EXISTING CONDITIONS PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR SHALL VERIFY LOCATIONS OF ALL EXISTING UTILITIES AND MAKE NEW CONNECTIONS ACCORDING TO LOCAL UTILITY COMPANY REQUIREMENTS.
- EXISTING UNDERGROUND INSTALLATIONS SUCH AS WATER LINES, GAS LINES, SEWER LINES, TELEPHONE LINES, POWER LINES, AND BURIED STRUCTURES IN THE VICINITY OF THE WORK TO BE PERFORMED HERE UNDER ARE INDICATED ON THE DRAWINGS ONLY TO THE EXTENT SUCH INFORMATION HAS BEEN MADE AVAILABLE TO OR DISCOVERED BY THE ARCHITECT OR ENGINEERS IN PREPARING THE DRAWINGS. THERE IS NO GUARANTEE AS TO THE ACCURACY OR COMPLETENESS OF SUCH INFORMATION. ALL RESPONSIBILITY FOR THE ACCURACY AND COMPLETENESS THEREOF IS EXPRESSLY DISCLAIMED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UNDERGROUND INSTALLATIONS. THIS INCLUDES SERVICE CONNECTIONS, IN ADVANCE OF EXCAVATING OR TRENCHING, BY CONTACTING THE OWNERS THEREOF AND PROSPECTING. THE CONTRACTOR SHALL USE THEIR OWN INFORMATION AND NOT RELY UPON ANY INFORMATION SHOWN ON THE DRAWINGS CONCERNING EXISTING UNDERGROUND INSTALLATIONS. ANY DELAY, ADDITIONAL WORK OR EXTRA COST TO THE CONTRACTOR CAUSED BY OR RESULTING FROM DAMAGE TO EXISTING UNDERGROUND INSTALLATIONS SHALL NOT CONSTITUTE A CLAIM FOR EXTRA WORK, ADDITIONAL PAYMENT, OR DAMAGE.
- SEE INSTRUCTIONS TO BIDDERS INCLUDED IN PROJECT MANUAL FOR ALL KNOWN REQUIREMENTS FOR PERMITS, GOVERNMENTAL FEES, LICENSES AND INSPECTIONS.
- DRAWINGS HEREIN ARE NOT ORGANIZED BY TRADE AND EACH CONTRACTOR AND SUB-CONTRACTOR IS REQUIRED TO REVIEW THE DRAWINGS AS A WHOLE AND PROVIDE ANY MISCELLANEOUS ITEMS, MATERIALS, AND WORK REQUIRED TO COMPLETE THE WORK AS SHOWN ON ALL DOCUMENTS. THIS REQUIREMENT APPLIES TO ALL TRADES. STRUCTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING REQUIREMENTS AND RELATED WORK ARE INDICATED THROUGHOUT THE SET OF DRAWINGS AND SHOULD BE REVIEWED WITH THE SPECIFIC MECHANICAL, ELECTRICAL, PLUMBING AND STRUCTURAL DRAWINGS FOR OVERALL SCOPE OF WORK.
- THE CONTRACTOR SHALL PROVIDE AND PAY FOR LABOR, MATERIALS, CONSTRUCTION EQUIPMENT, MACHINERY, TOOLS, UTILITIES, TRANSPORTATION FOR THE ABOVE MENTIONED, AND ANY OTHER FACILITIES OR SERVICES NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK.
- THE CONTRACTOR SHALL CAREFULLY STUDY AND COMPARE THE CONSTRUCTION DOCUMENTS AND SPECIFICATIONS WITH THE INFORMATION FURNISHED BY THE OWNER AND IMMEDIATELY NOTIFY THE ARCHITECT OF ANY ERRORS, INCONSISTENCIES, OR OMISSIONS DISCOVERED IN WRITING.
- SHOULD A DISCREPANCY BETWEEN CONTRACT DOCUMENTS AND SPECIFICATIONS OCCUR THE CONTRACTOR SHOULD IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING FOR RESOLUTION BEFORE PROCEEDING WITH WORK.
- IF A MATERIAL CALL-OUT IS ABSENT FROM ANY DRAWING, DETAIL, OR SPECIFICATION IN THE DOCUMENTS THE CONTRACTOR SHALL REQUEST INFORMATION AND/OR CLARIFICATION FROM THE ARCHITECT IN WRITING PRIOR TO SUBMITTING A BID. FAILURE TO REQUEST INFORMATION AND/OR CLARIFICATION FROM THE ARCHITECT PRIOR TO BIDDING THE PROJECT WARRANTS THAT THE CONTRACTOR HAS THOROUGHLY REVIEWED THE DRAWINGS AND THEIR BID INCLUDES ADEQUATE FUNDS TO COMPLETE THE PROJECT AS REASONABLY INFERRED FROM THE DOCUMENTS.
- WHenever conflicting information or direction occurs in the specifications or the drawings the cost for the more expensive option including, but not limited to, details, installations, procedures, call-outs, materials, schedules, or specification shall be used in the contractor's bid price for the project. If through clarification the lesser cost option applies then the contractor shall issue a cost credit to the owner for the actual cost difference plus contractor mark-up including overhead and profit.
- ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO SIMILAR CONDITIONS ELSEWHERE. IF A CONDITION EXISTS IN THE DRAWINGS WHERE THE APPLICABLE CONSTRUCTION DETAIL IS UNCLEAR THE CONTRACTOR SHALL REQUEST INFORMATION AND/OR CLARIFICATION FROM THE ARCHITECT IN WRITING PRIOR TO SUBMITTING THE BID FOR CONSTRUCTION OF THE PROJECT.
- APPLY AND/OR INSTALL ALL PRODUCTS AND MATERIALS ACCORDING TO SPECIFICATIONS, MANUFACTURER'S PUBLISHED INSTRUCTIONS, OR, IF NO INSTRUCTIONS EXIST, INSTALL PER STANDARD INDUSTRY PRACTICE. GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE (1) YEAR FROM DATE OF SUBSTANTIAL COMPLETION UNLESS OTHERWISE NOTED.
- CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREBY.
- GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION AS IDENTIFIED IN AIA DOCUMENT A201 SHALL BE BINDING AS PART OF THESE CONSTRUCTION DOCUMENTS.
- THE ARCHITECT AND THE ARCHITECT'S CONSULTANTS SHALL BE DEEMED THE AUTHORS AND OWNERS OF THEIR RESPECTIVE INSTRUMENTS OF SERVICE, INCLUDING THE DRAWINGS AND SPECIFICATIONS, AND SHALL RETAIN ALL COMMON LAW, STATUTORY, AND OTHER RESERVED RIGHTS INCLUDING COPYRIGHTS. SUBMISSION OR DISTRIBUTION OF INSTRUMENTS OF SERVICE TO MEET OFFICIAL, REGULATORY REQUIREMENTS OR FOR SIMILAR PURPOSES IN CONNECTION WITH THE PROJECT IS NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF THE RESERVED RIGHTS OF THE ARCHITECT AND THE ARCHITECT'S CONSULTANTS.
- DRAWINGS ARE NOT TO BE SCALED. DIMENSIONAL DATA SHALL BE OBTAINED FROM WRITTEN INFORMATION ONLY. VERIFY ALL DIMENSIONS BEFORE PROCEEDING. ANY DIMENSIONAL DEVIATION FROM THAT SHOWN ON THE DRAWINGS WHICH MAY AFFECT INTENT OF DESIGN OR PROPER INCORPORATION OF ELEMENTS SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION PROMPTLY IN WRITING AND RESOLUTION OBTAINED BEFORE PROCEEDING. NOTIFY ARCHITECT IMMEDIATELY OF ANY DIMENSIONAL VARIATIONS ON BETWEEN THE DRAWINGS AND BUILT CONDITIONS.

I HEREBY CERTIFY THESE DRAWINGS AND/OR SPECIFICATIONS HAVE BEEN PREPARED BY ME, OR UNDER MY SUPERVISION. I FURTHER CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, THESE DRAWINGS AND/OR SPECIFICATIONS ARE AS REQUIRED BY AND IN COMPLIANCE WITH THE BUILDING CODES OF THE UNIVERSITY OF MISSOURI.

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ARCHITECTURAL

Jared A. Younglove SIGNATURE



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REVISION SCHEDULE

PROJECT DESCRIPTION:
CENTENNIAL HALL IMPROVEMENTS AND RENOVATION

300 W. 12TH STREET
ROLLA, MO 65409

PROJECT ARCHITECT: JY
DRAWN BY: EBP, CSM, KS
CHECKED BY: JY, EBP

PROJECT NUMBER:
22-703A
RC000638

DATE:
08/28/2023

COVER SHEET

SHEET NUMBER:
G0-0

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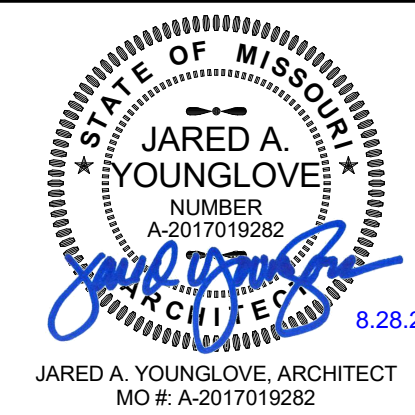


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CODE PLANS

SHEET NUMBER:
G0-1

APPLICABLE CODES & STANDARDS

- 2021 ICC INTERNATIONAL CODE COUNCIL ALL REFERENCE STANDARDS
- ICC INTERNATIONAL BUILDING CODE
- ICC INTERNATIONAL PLUMBING CODE
- ICC INTERNATIONAL MECHANICAL CODE
- ICC INTERNATIONAL FIRE CODE
- ICC INTERNATIONAL FUEL GAS CODE
- NATIONAL ELECTRIC CODE (NEC) 2020
- ICC EXISTING BUILDING CODE
- 2010 ADA/AG AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES
- 2017 ANS A117.1 GUIDELINES FOR ACCESSIBLE & USABLE BUILDING & FACILITIES
- 2020 NFPA 13 INSTALLATION OF FIRE SPRINKLER SYSTEMS
- NFPA 14 STANDARD FOR THE INSTALLATION OF STANDPIPE, HYDRANTS AND HOSE SYSTEMS
- NFPA 70 NATIONAL ELECTRICAL CODE
- NFPA 72 NATIONAL FIRE ALARM CODE
- ASME SAFETY CODE OF ELEVATORS AND ESCALATORS A17.1

GENERAL PROJECT INFORMATION

USER GROUP: B, E ACCESSORY
 CONSTRUCTION TYPE: IIB
 AUTOMATIC SPRINKLER SYSTEM: YES - INSTALLED AS PART OF PROJECT SCOPE
 GROSS BUILDING AREA: 46,467 SF
 BASEMENT LEVEL: 4,738 SF
 FIRST FLOOR: 19,870 SF
 SECOND FLOOR: 20,010 SF
 MEZZANINE: 2,191 SF

GENERAL BUILDING HEIGHTS AND AREAS (IBC CHAPTER 5)

MAXIMUM 75 FEET ABOVE GRADE PLANE ALLOWED, 35'-2" FEET PROVIDED
 MAXIMUM 4 STORIES ABOVE GRADE PLANE ALLOWED, 2 STORIES PLUS MEZZANINE PROVIDED
 MAXIMUM 69,000 SQUARE FEET ALLOWED, REFER TO BUILDING SQUARE FOOTAGE LISTED ABOVE.
PROJECT SCOPE DOES NOT ALTER OVERALL HEIGHT, STORES, OR BUILDING AREA

FIRE RESISTANCE RATINGS (IBC CHAPTER 6)

CONSTRUCTION TYPE: IIB
 PRIMARY STRUCTURAL FRAME: 0 HOURS
 BEARING WALLS (EXTERIOR AND INTERIOR): 0 HOURS
 NON-BEARING WALLS AND PARTITIONS EXTERIOR: 0 HOURS
 NON-BEARING WALLS AND PARTITIONS INTERIOR: 0 HOURS
 FLOOR CONSTRUCTION: 0 HOURS
 ROOF CONSTRUCTION: 0 HOURS

FIRE AND SMOKE PROTECTION FEATURES (IBC CHAPTER 7)

ALL COMPONENTS CANNOT BE LESS THAN THE FIRE RESISTANCE RATINGS REQUIRED BY OTHER SECTIONS OF CODE

EXTERIOR WALLS:	NOT REQUIRED
FIRE WALLS:	NOT REQUIRED
FIRE BARRIERS:	NOT REQUIRED
FIRE PARTITIONS:	NOT REQUIRED
SMOKE BARRIERS:	NOT REQUIRED
SMOKE PARTITIONS:	NOT REQUIRED
HORIZONTAL ASSEMBLIES:	NOT REQUIRED
SHAFT ENCLOSURES:	NOT REQUIRED
OPENING PROTECTIVES:	NOT REQUIRED

INTERIOR FINISHES (IBC CHAPTER 8)

INTERIOR EXIT STAIRWAYS AND RAMPS AND EXIT PASSAGEWAYS:	B
CORRIDORS AND ENCLOSURE FOR EXIT ACCESS STAIRWAYS AND RAMPS:	C
ROOMS AND ENCLOSED SPACES:	C

FIRE PROTECTION SYSTEMS (IBC CHAPTER 9)

AUTOMATIC SPRINKLER SYSTEM
 USE GROUP B
 NEW AUTOMATIC SPRINKLER SYSTEM TO BE INSTALLED THROUGHOUT ENTIRE BUILDING

PORTABLE FIRE EXTINGUISHERS
 SHALL BE PROVIDED IN ACCORDANCE WITH NFPA 10 AND INTERNATIONAL FIRE CODE. SEE PLAN FOR LOCATIONS AND TYPE.

FIRE ALARM AND DETECTION SYSTEM
 MANUAL FIRE ALARM SYSTEM PROVIDED

MEANS OF EGRESS INFORMATION (IBC CHAPTER 10)

OCCUPANT LOAD
 CALCULATED OCCUPANT LOADING
 ACCESSORY STORAGE AND MEP ROOMS: 300 SQUARE FOOT PER OCCUPANT
 BUSINESS USE: 150 SQUARE FOOT PER OCCUPANT

REFER TO OCCUPANT LOAD SCHEDULE FOR TOTAL CALCULATED OCCUPANT LOAD.

MEANS OF EGRESS SIZING
 STAIRWAYS: 0.3 INCHES PER OCCUPANT
 CORRIDORS AND EGRESS COMPONENTS: 0.2 INCHES PER OCCUPANT

NUMBER OF EXITS AND EXIT ACCESS DOORWAYS
 B OCCUPANCY SPACES WITH MORE THAN 49 OCCUPANTS: 2 EXITS REQUIRED
 COMMON PATH OF TRAVEL: 100 FEET (FULLY SPRINKLERED)

NUMBER OF EXITS AND EXIT ACCESS DOORWAYS
 STORIES WITH 1-500 OCCUPANTS ARE REQUIRED TO INCLUDE 2 EGRESS EXITS.
 REFER TO OCCUPANT LOAD SCHEDULE FOR TOTAL BUILDING OCCUPANCY LOAD. REFER TO CODE PLANS FOR OCCUPANT LOAD PER SPACE AND LEVEL.

EXIT AND EXIT ACCESS DOORWAY CONFIGURATION
 EXITS SHALL BE PLACED A DISTANCE APART EQUAL TO NOT LESS THAN ONE THIRD (1/3) OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE BUILDING OR AREA TO BE SERVED MEASURED IN A STRAIGHT LINE BETWEEN THEM.

EXIT ACCESS TRAVEL DISTANCE
 SHALL NOT EXCEED 300 FEET IN PROVIDED OCCUPANCY GROUPS.

CORRIDORS
 WALLS IN OCCUPANCY GROUP B SERVING MORE THAN 30 OCCUPANTS SHALL BE FIRE RESISTANT RATED 0 HOUR (FULLY SPRINKLERED)
 REQUIRED CAPACITY OF CORRIDORS SHALL NOT BE LESS THAN 44"
 DEAD END CORRIDORS SHALL BE LIMITED TO 50 FEET IN LENGTH (FULLY SPRINKLERED)

PLUMBING SYSTEMS (IBC CHAPTER 29)

WATER CLOSETS REQUIRED: 9 REQUIRED
 14 PROVIDED
 BUSINESS: 1 PER 25 FIRST 50, 1 PER 50 REMAINDER - 5.44 REQUIRED
 EDUCATION: 1 PER 50 - 2.86 REQUIRED

LAVATORIES REQUIRED: 7 REQUIRED
 8 PROVIDED
 BUSINESS: 1 PER 40 FIRST 80, 1 PER 80 REMAINDER - 3.78 REQUIRED
 EDUCATION: 1 PER 50 - 2.86 REQUIRED

DRINKING FOUNTAINS REQUIRED: 4 REQUIRED
 4 PROVIDED
 BUSINESS: 1 PER 100 - 2.22 REQUIRED
 EDUCATION: 1 PER 100 - 1.43 REQUIRED

SERVICE SINKS REQUIRED: 2 REQUIRED
 2 PROVIDED

DEFERRED SUBMITTAL LIST

THE FOLLOWING LIST OF SUBMITTALS ARE SUBMITTALS THAT THE DESIGN TEAM RECOGNIZES REQUIRE SUBMISSION TO THE AUTHORITY HAVING JURISDICTION FOR REVIEW THAT ARE NOT AVAILABLE BEFORE CONTRACTOR INVOLVEMENT AND/OR CREATION. THE FOLLOWING WILL BE SUBMITTED TO THE AUTHORITY HAVING JURISDICTION DURING CONSTRUCTION FOR REVIEW AND APPROVAL BEFORE CONSTRUCTION OF THE ASSOCIATED BUILDING ELEMENTS.

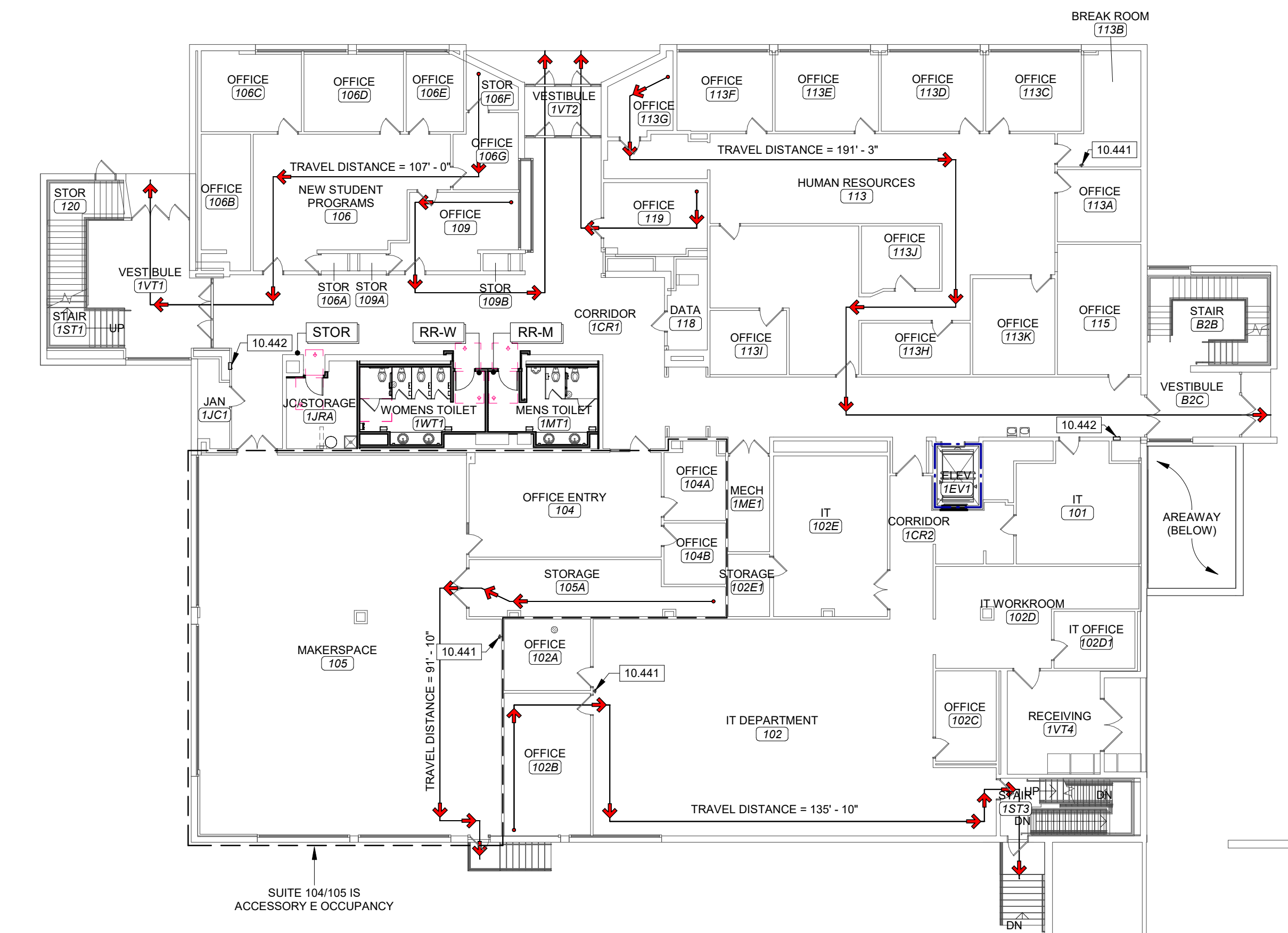
- FIRE ALARM SYSTEM
- AUTOMATIC FIRE SUPPRESSION SYSTEM
- HYDRAULIC ELEVATORS

FIRE RESISTANCE RATING LEGEND

1-HOUR FIRE RESISTANCE RATING

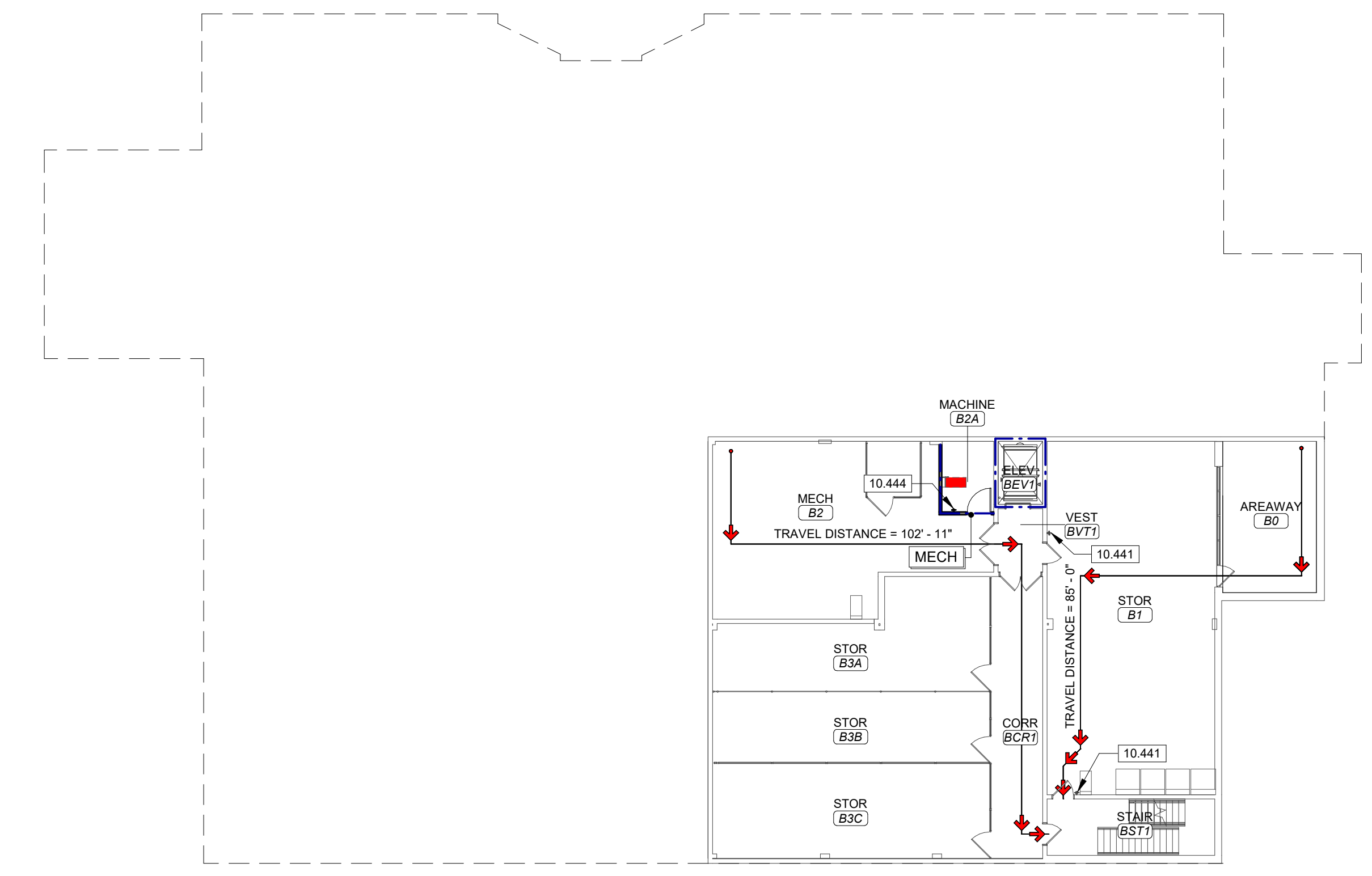
KEYNOTE LEGEND

- 10.441 EXISTING SURFACE MOUNTED FIRE EXTINGUISHER. SEE SECTION 10.4400 FIRE PROTECTION SPECIALTIES.
- 10.442 CFCI FULLY RECESSED FIRE EXTINGUISHER CABINET. FIRE EXTINGUISHER SHALL BE PROVIDED AND INSTALLED BY OWNER. COORDINATE CABINET SIZE WITH OWNER-PROVIDED EXTINGUISHER. SEE SECTION 10.4400 FIRE PROTECTION SPECIALTIES.
- 10.443 CFCI SURFACE MOUNTED FIRE EXTINGUISHER CABINET. FIRE EXTINGUISHER SHALL BE PROVIDED AND INSTALLED BY OWNER. COORDINATE CABINET SIZE WITH OWNER-PROVIDED EXTINGUISHER. SEE SECTION 10.4400 FIRE PROTECTION SPECIALTIES.
- 10.444 CFCI FIRE EXTINGUISHER BRACKET. FIRE EXTINGUISHER SHALL BE PROVIDED AND INSTALLED BY OWNER. COORDINATE BRACKET SIZE WITH OWNER-PROVIDED EXTINGUISHER. SEE SECTION 10.4400 FIRE PROTECTION SPECIALTIES.



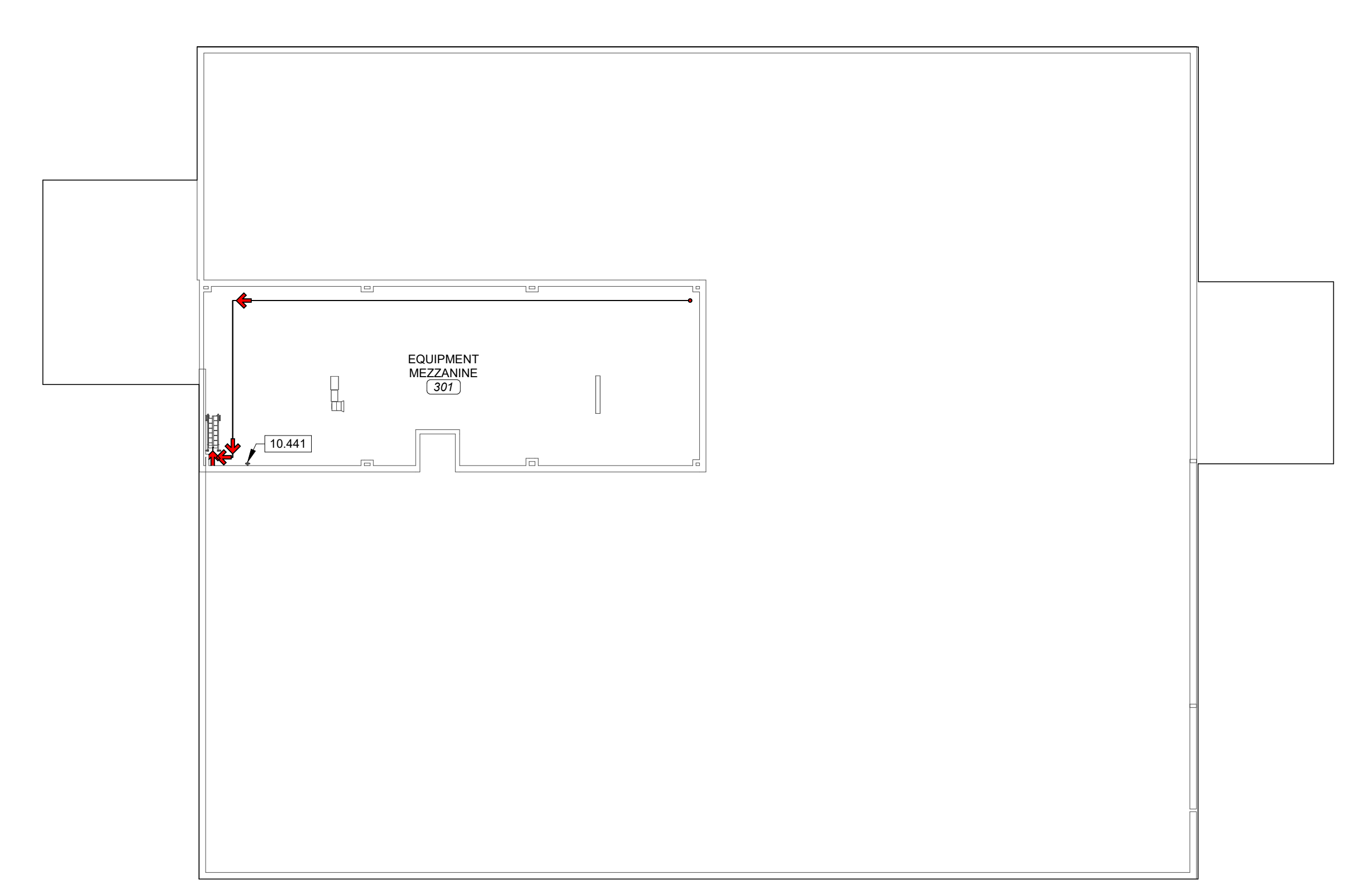
2 CODE PLAN - FIRST LEVEL
 SCALE 1/16" = 1'-0"

2 CODE PLAN - FIRST LEVEL
 SCALE 1/16" = 1'-0"



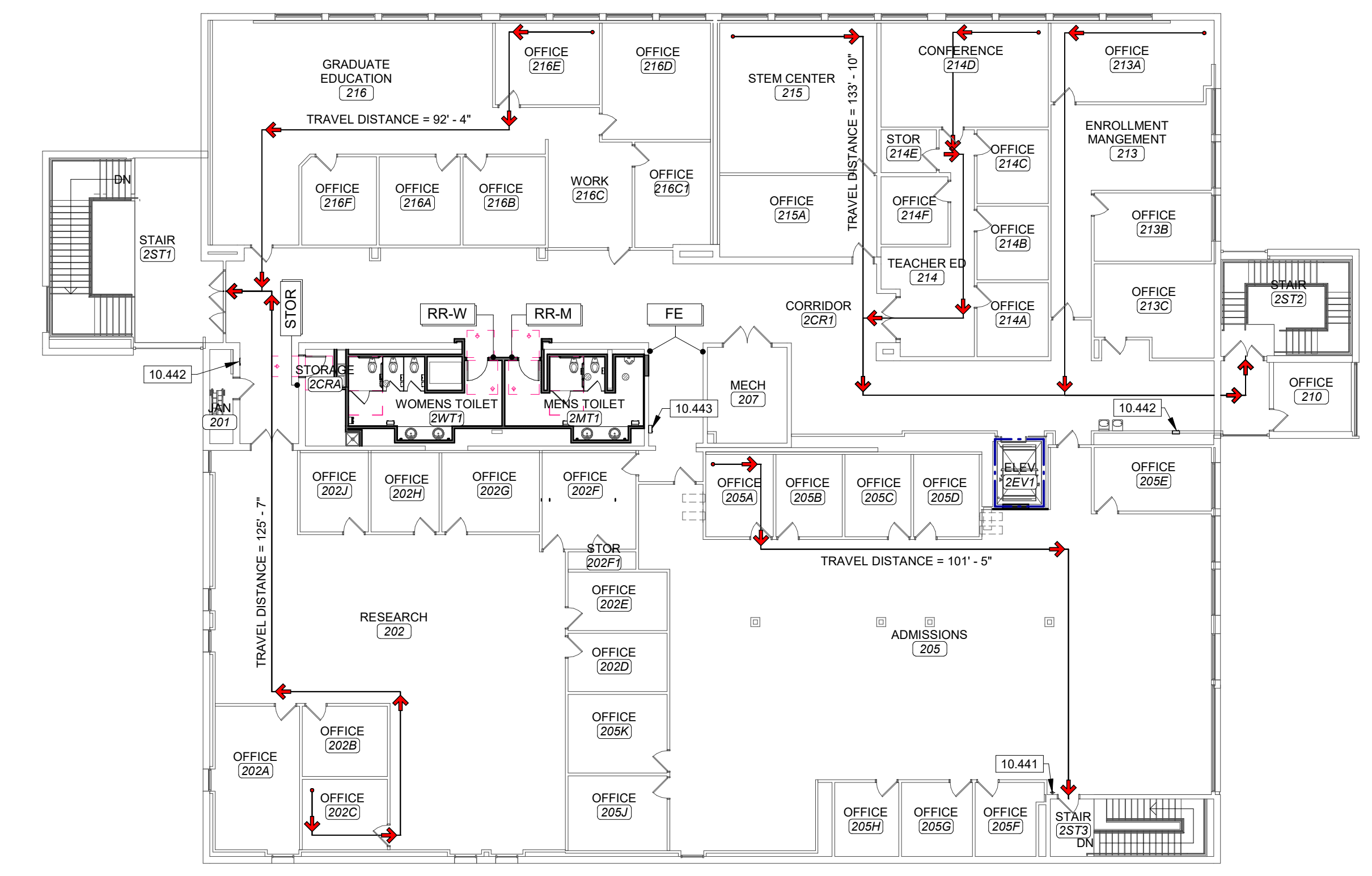
1 CODE PLAN - LOWER LEVEL
 SCALE 1/16" = 1'-0"

1 CODE PLAN - LOWER LEVEL
 SCALE 1/16" = 1'-0"



4 CODE PLAN - MEZZANINE LEVEL
 SCALE 1/16" = 1'-0"

4 CODE PLAN - MEZZANINE LEVEL
 SCALE 1/16" = 1'-0"



3 CODE PLAN - SECOND LEVEL
 SCALE 1/16" = 1'-0"

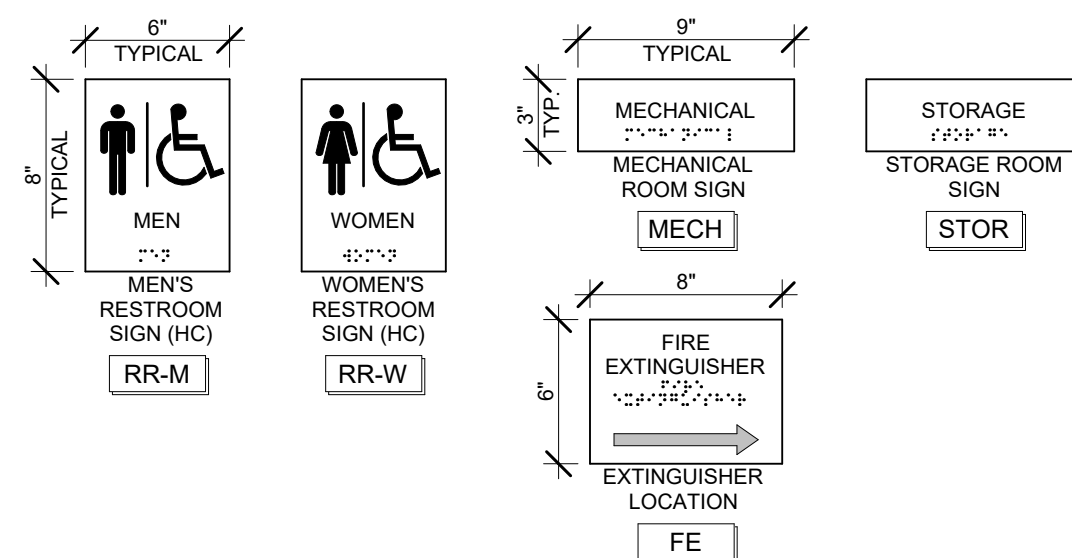
3 CODE PLAN - SECOND LEVEL
 SCALE 1/16" = 1'-0"

PANEL SIGNAGE LEGEND

- PROVIDE THE FOLLOWING PANEL SIGNS AS INDICATED ON THE CODE PLANS.
- INSTALL SIGNS (HEIGHTS AND LOCATIONS) AS DIRECTED BY OWNER'S REPRESENTATIVE. SIGNS TO BE PLACED 48" ABOVE FINISH FLOOR AT MINIMUM AND PLACED 60" ABOVE FINISH FLOOR AT MAXIMUM.
- PROVIDE TACTILE EXIT SIGNAGE AT EACH EXIT DOOR COMPLIANT WITH THE APPLICABLE IBC VERSION, ANSI 117.1, AND AS IDENTIFIED UNDER OTHER APPLICABLE CODES.
- COLOR OF PANEL SIGNAGE TO BE SELECTED BY ARCHITECT PRIOR TO FABRICATION FROM MANUFACTURER STANDARD LINE OF COLORS.
- SIGNS SHALL BE ONE PIECE CONSTRUCTION WITH THE EXCEPTION OF APPLIED VINYL LETTERS AND CHARACTERS.
- ALL SIGNAGE TO BE ADA AND ANSI COMPLIANT.
- ALL SIGNAGE TO BE 1/8" THICK COLORED ACRYLIC WITH COLORED MATTE FINISH.
- ALL SIGNAGE EDGES TO BE POLISHED.
- CHARACTERS TO BE CUT VINYL APPLIED. COLOR OF CHARACTERS TO BE SELECTED BY ARCHITECT FROM MANUFACTURER STANDARD LINE OF COLORS.
- LETTERS TO BE 3/4" CUT VINYL APPLIED. LETTERS TO BE A FONT AND COLOR SELECTED BY ARCHITECT FROM MANUFACTURER STANDARD LINE OF COLORS.
- ALL ROOM DESIGNATIONS ARE TO BE PROVIDED BY OWNER.
- PROVIDE RAISED BRaille CHARACTERS ON ALL PANEL SIGNS.
- SEE SPECIFICATIONS FOR MORE INFORMATION.
- SEE FINISH FLOOR PLANS FOR ANY ADDITIONAL, NON-CODE RELATED SIGNAGE.

PANEL SIGNAGE TAGS

PROVIDE ONE (1) SIGN PER [] COMPLYING WITH ADA LOCAL CODE. SIGN TO HAVE RAISED CHARACTERS AND PICTORIAL SYMBOL OF ACCESSIBILITY IN ACCORDANCE WITH ANSI AND ADA GUIDELINES. SIGN FINISHES TO BE SELECTED BY A.O.R.



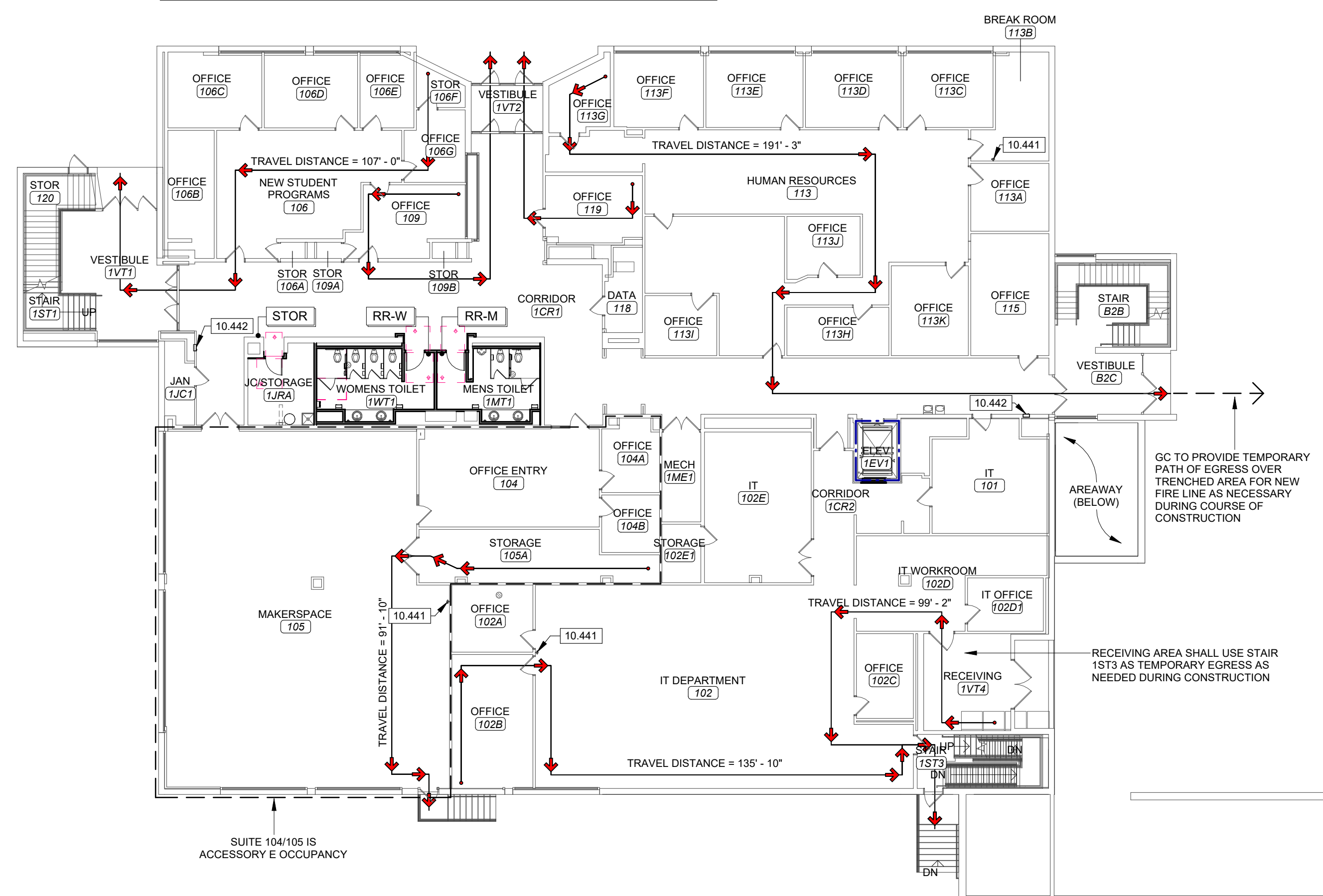
OCCUPANT LOAD SCHEDULE

ROOM INFORMATION		IBC CHAPTER 10		OCCUPANT LOAD FACTOR	OCCUPANT COUNT
NO.	NAME	AREA	FUNCTION OF SPACE		
LOWER LEVEL					
B0	AREAWAY	307 SF	UNOCCUPIED		0 SF
B1	STOR	1280 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	5
B2	MECH	876 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	3
B2A	MACHINE	79 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	1
B3A	STOR	514 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	2
B3B	STOR	429 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	2
B3C	STOR	574 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	2
BCR1	CORR	320 SF	UNOCCUPIED		0 SF
BEV1	ELEV	61 SF	UNOCCUPIED		0 SF
BS11	STAIR	205 SF	UNOCCUPIED		0 SF
BVT1	VEST	61 SF	UNOCCUPIED		0 SF
FIRST LEVEL					
1CR1	CORRIDOR	2,171 SF	UNOCCUPIED		0 SF
1CR2	CORRIDOR	201 SF	UNOCCUPIED		0 SF
1EV1	ELEV	58 SF	UNOCCUPIED		0 SF
1JAN	JAN	61 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	1
1JRA	JC STORAGE	134 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	1
1ME1	MECH	98 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	1
1MT1	MENS TOILET	182 SF	UNOCCUPIED		0 SF
1ST1	STAIR	161 SF	UNOCCUPIED		0 SF
1ST3	STAIR	198 SF	UNOCCUPIED		0 SF
1VT1	VESTIBULE	255 SF	UNOCCUPIED		0 SF
1VT2	VESTIBULE	90 SF	UNOCCUPIED		0 SF
1VT4	RECEIVING	236 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	1
1WTT1	WOMENS TOILET	212 SF	UNOCCUPIED		0 SF
101	IT	332 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	3
102	IT DEPARTMENT	1,973 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	14
102A	OFFICE	151 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	2
102B	OFFICE	303 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	3
102C	OFFICE	135 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	1
102D	IT WORKROOM	377 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	3
102D1	IT OFFICE	113 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	1
102E	IT	446 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	3
102E1	STORAGE	63 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	1
104	OFFICE ENTRY	491 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	4
104A	OFFICE	111 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	1
104B	OFFICE	93 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	1
105	MAKERSPACE	2,690 SF	EDUCATIONAL - CLASSROOM AREA	20 SF	135
105A	STORAGE	310 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	2
106	NEW STUDENT PROGRAMS	525 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	4
106A	STOR	11 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	1
106B	OFFICE	157 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	2
106C	OFFICE	193 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	2
106D	OFFICE	189 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	2
106E	OFFICE	108 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	1
106F	STOR	46 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	1
106G	OFFICE	117 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	1
109	OFFICE	205 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	2
109A	STOR	11 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	1
109B	STOR	11 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	1
113	HUMAN RESOURCES	1,505 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	11
113A	OFFICE	148 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	1
113B	BREAK ROOM	183 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	2
113C	OFFICE	188 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	2
113D	OFFICE	200 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	2
113E	OFFICE	203 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	2
113F	OFFICE	188 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	2
113G	OFFICE	104 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	1
113H	OFFICE	137 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	1
113I	OFFICE	120 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	1
113J	OFFICE	122 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	1
113K	OFFICE	193 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	2
115	OFFICE	266 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	2
118	DATA	82 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	1
119	OFFICE	177 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	2
120	STOR	136 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	1
B2B	STAIR	286 SF	UNOCCUPIED		0 SF
B2C	VESTIBULE	154 SF	UNOCCUPIED		0 SF
SECOND LEVEL					
2CR1	CORRIDOR	2,342 SF	UNOCCUPIED		0 SF
2CR4	STORAGE	78 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	1
2EV1	ELEV	58 SF	UNOCCUPIED		0 SF
2MT1	MENS TOILET	208 SF	UNOCCUPIED		0 SF
2ST1	STAIR	638 SF	UNOCCUPIED		0 SF
2ST2	STAIR	290 SF	UNOCCUPIED		0 SF
2ST3	STAIR	204 SF	UNOCCUPIED		0 SF
2WTT1	WOMENS TOILET	214 SF	UNOCCUPIED		0 SF
201	JAN	46 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	1
202	RESEARCH	1,987 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	14
202A	OFFICE	267 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	2
202B	OFFICE	130 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	1
202C	OFFICE	130 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	1
202D	OFFICE	125 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	1
202E	OFFICE	125 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	1
202F	OFFICE	196 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	2
202F1	STOR	28 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	1
202G	OFFICE	167 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	2
202H	OFFICE	116 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	1
202J	OFFICE	116 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	1
205	ADMISSIONS	3,376 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	23
205A	OFFICE	120 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	1
205B	OFFICE	118 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	1
205C	OFFICE	118 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	1
205D	OFFICE	117 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	1
205E	OFFICE	161 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	2
205F	OFFICE	101 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	1
205G	OFFICE	114 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	1
205H	OFFICE	103 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	1
205J	OFFICE	160 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	2
205K	OFFICE	168 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	2
207	MECH	163 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	2
210	OFFICE	118 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	1
213	ENROLLMENT MANGEMENT	410 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	3
213A	OFFICE	276 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	2
213B	OFFICE	173 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	2
213C	OFFICE	218 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	2
214	TEACHER ED	264 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	2
214A	OFFICE	114 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	1
214B	OFFICE	113 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	1
214C	OFFICE	113 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	1
214D	CONFERENCE	376 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	3
214E	STOR	51 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	1
214F	OFFICE	98 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	1
215	STEM CENTER	509 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	4
215A	OFFICE	277 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	2
216	GRADUATE EDUCATION	1,021 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	7
216A	OFFICE	155 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	2
216B	OFFICE	157 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	2
216C	WORK	230 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	2
216C1	OFFICE	170 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	2
216D	OFFICE	272 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	2
216E	OFFICE	184 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	2
216F	OFFICE	142 SF	BUSINESS AREAS - IBC 2018 AND LATER	150 SF	1
MEZZANINE LEVEL					
301	EQUIPMENT MEZZANINE	1,951 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	7
		41,991 SF			365

OCCUPANT LOAD...

USE GROUP	OCCUPANT COUNT
B	222
E - CLASS	143
	365

MAINTAIN PATH OF EGRESS AT ALL TIMES DURING CONSTRUCTION FOR EXISTING BUILDING OCCUPANTS. A MINIMUM CLEAR PATH OF EGRESS OF 4'-0" SHALL BE ENFORCED BY THE CONTRACTOR AT ALL TIMES.



1 FIRST LEVEL TEMPORARY EGRESS
SCALE 1/16" = 1'-0"



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REVISION SCHEDULE

CENTENNIAL HALL IMPROVEMENTS AND RENOVATION

PROJECT DESCRIPTION:
300 W. 12TH STREET
ROLLA, MO 65409

PROJECT ARCHITECT: JY
DRAWN BY: EBP, CSM, KS
CHECKED BY: JY, EBP

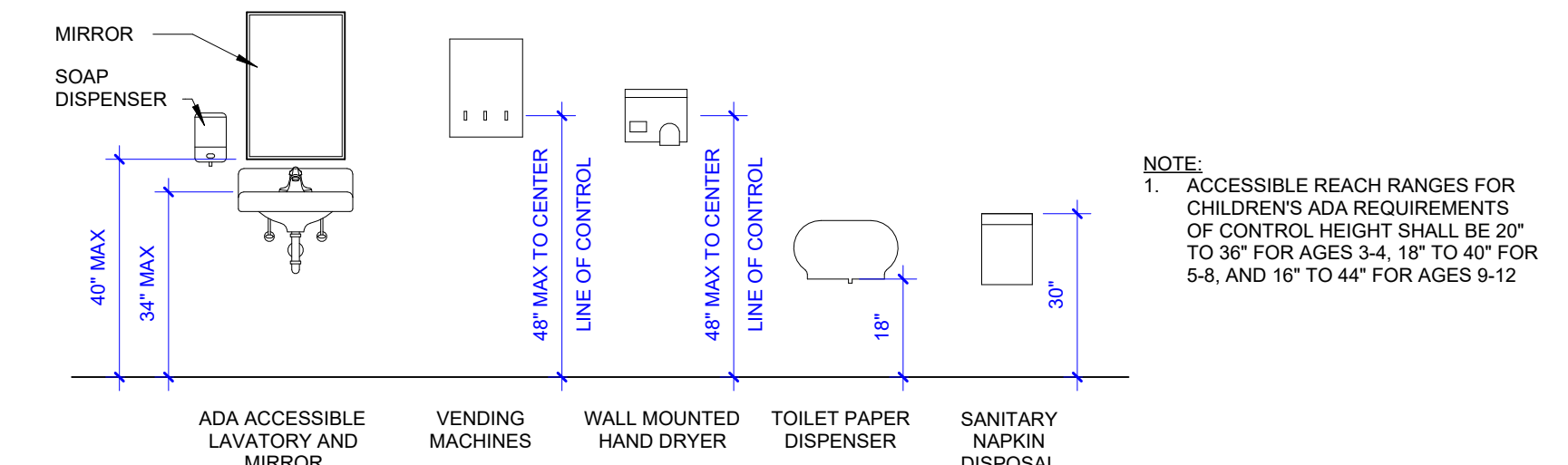
PROJECT NUMBER:
22-703A
RC000638
DATE:
08/28/2023

CODE CONTINUATION

SHEET NUMBER:
G0-2

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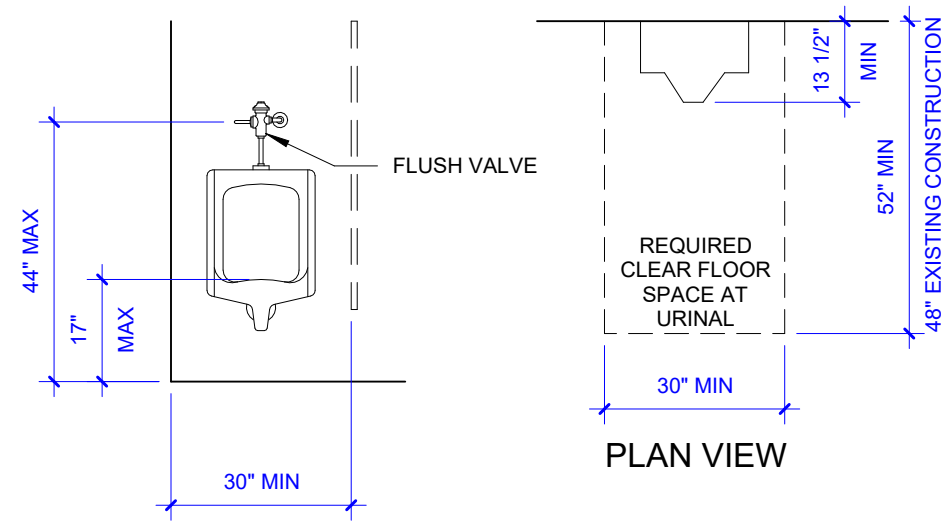
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NOTE:
 1. ACCESSIBLE REACH RANGES FOR CHILDREN'S ADA REQUIREMENTS OF CONTROL HEIGHT SHALL BE 20" TO 36" FOR AGES 3-4, 18" TO 40" FOR 5-8, AND 16" TO 44" FOR AGES 9-12

9 ACCESSIBLE RESTROOM ACCESSORIES

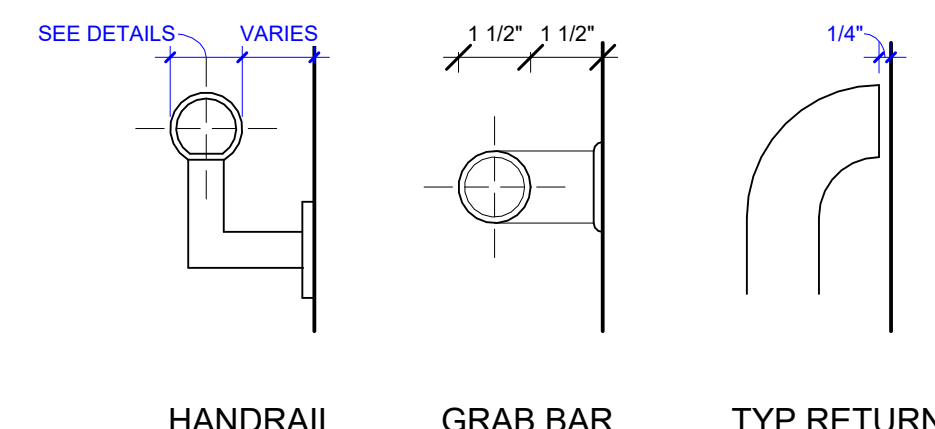
SCALE 3/8" = 1'-0"



NOTE:
 1. A MIN OF ONE URINAL PER EACH MENS ACCESSIBLE RESTROOM SHALL BE MOUNTED AT 17" HEIGHT IF MORE THAN ONE URINAL IS PROVIDED.
 2. FLUSH CONTROL HEIGHT SHALL BE 36" MAX FOR AGES 3-4; 40" MAX FOR AGES 5-8; AND 44" FOR AGES 9 AND UP.
 3. SEE PLANS FOR ADDITION INFORMATION ON URINAL SCREEN LOCATIONS

8 ACCESSIBLE URINAL

SCALE 3/8" = 1'-0"

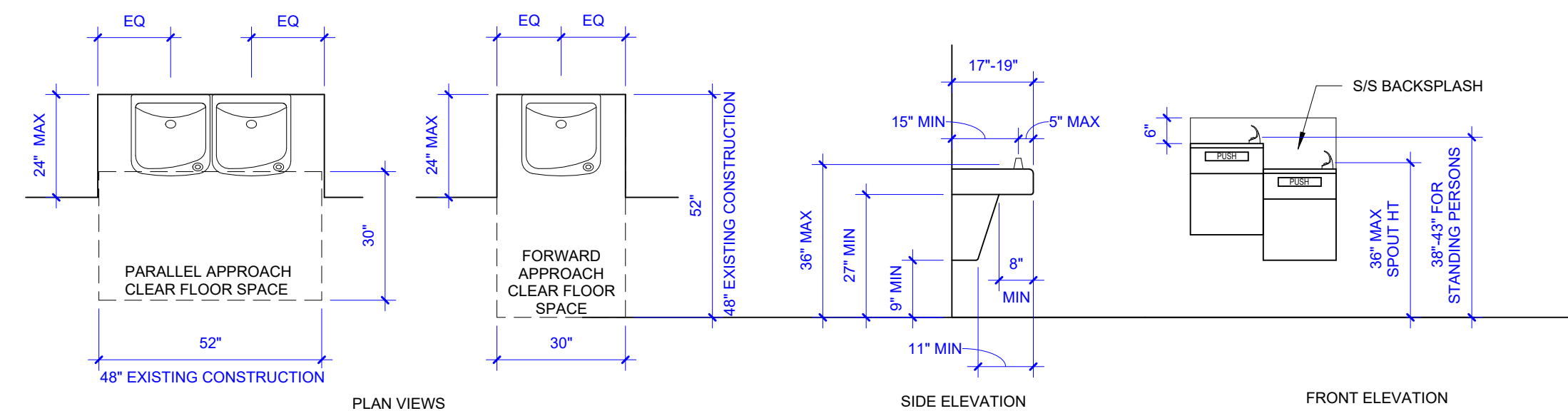


HANDRAIL GRAB BAR TYP RETURN

NOTE:
 1. GRAB BAR SHALL BE DESIGNED TO WITHSTAND A 250LB. LOAD. COORDINATE NECESSARY BLOCKING IN WALL WITH FRAMING CONTRACTOR.
 2. HANDRAILS SHALL BE SPACED 2'-11" AWAY FROM WALL FOR STAIRS AND 1'-11/2" FOR RAMPS. SEE HANDRAIL DETAIL FOR MOUNTING HEIGHT.

7 ADA GRAB BARS / HANDRAILS

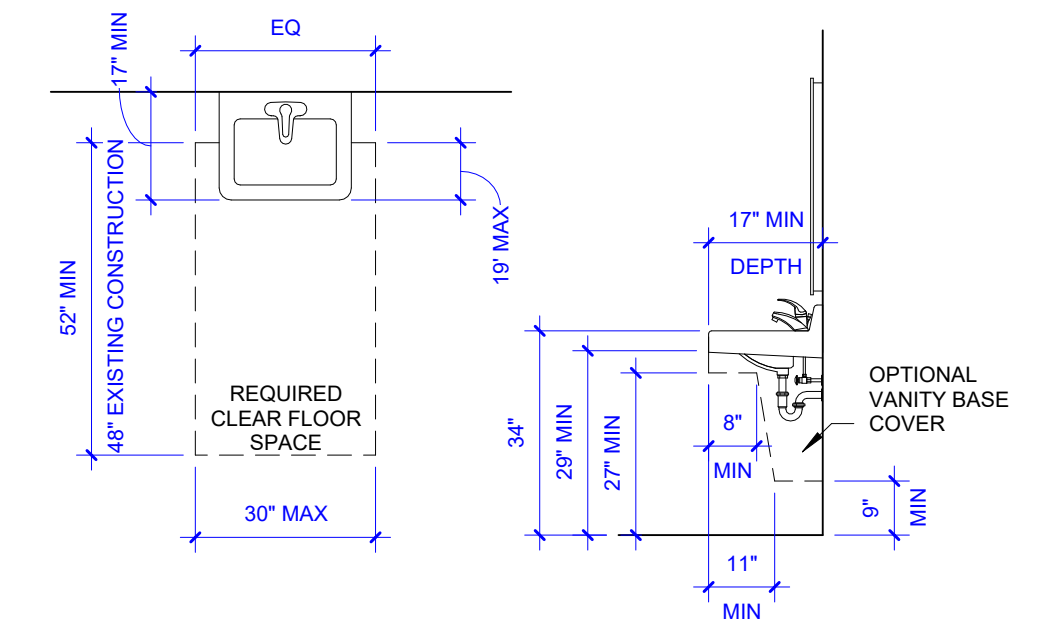
SCALE 3" = 1'-0"



NOTE:
 1. SPOUT HEIGHT INDICATED BELOW IS FOR ADULTS AND IS TYPICAL UNLESS NOTED OTHERWISE
 2. SPOUT HEIGHT FOR CHILDREN'S USE SHALL BE 30" MAX WITH A PARALLEL APPROACH ONLY
 3. DOUBLE HEIGHT DRINKING FOUNTAIN UNLESS OTHERWISE SPECIFIED. SINGLE UNIT SPOUT HEIGHT SHALL BE 36" A.F.F.
 4. FOUNTAIN CANNOT BE PLACED IN EGRESS PATH, PROVIDE ALCOVE AND RECESS FOUNTAIN

6 ADA DRINKING FOUNTAIN

SCALE 3/8" = 1'-0"

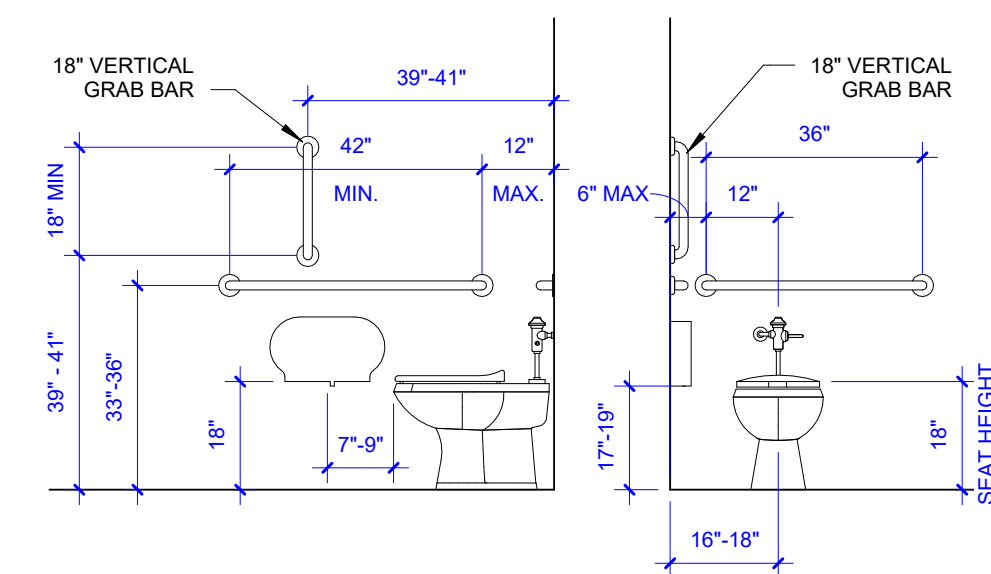


NOTE:
 1. COUNTERTOP MOUNTED LAVATORIES ARE TO BE MOUNTED WITH SAME CLEARANCES, REQUIREMENTS, ETC.
 2. FOR CHILDREN THE LAVATORY RIM/COUNTERTOP HEIGHT SHALL BE AT MAX 31" FOR AGES 6-12 AND KNEE CLEARANCE BELOW SINK SHALL BE A MINIMUM OF 24"
 3. IF OPTIONAL VANITY BASE COVER IS NOT INSTALLED, A PVC PTRAP IS REQUIRED

5 ACCESSIBLE LAVATORY

SCALE 3/8" = 1'-0"

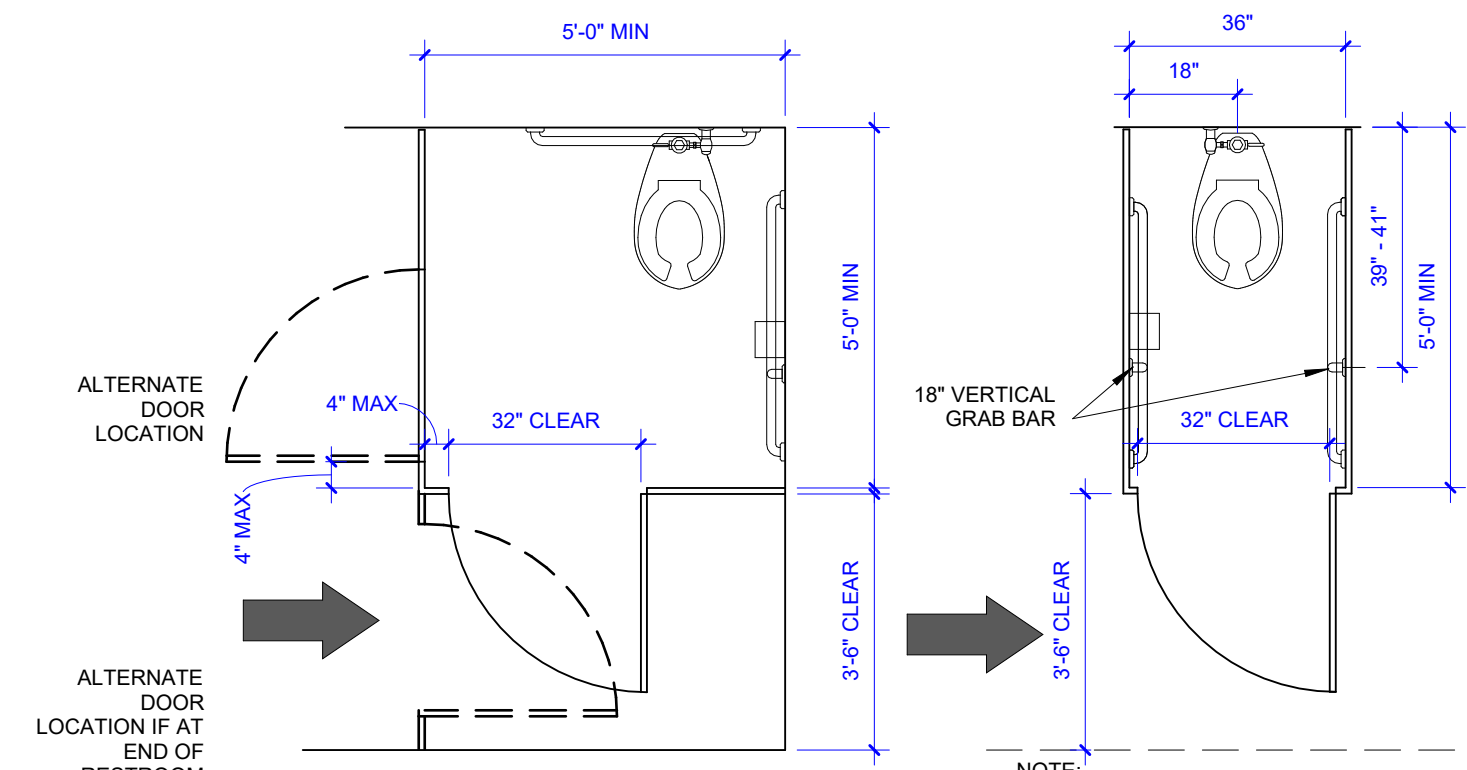
DETAILS ARE FOR REFERENCE ONLY, SEE A1 SERIES SHEETS / SPECIFICATIONS FOR EXACT MODELS AND MOUNTING LOCATIONS.



NOTES:
 1. SEE FOR GRAB BAR DETAIL FOR MORE INFORMATION ON GRAB BARS.
 2. WHEN VERTICAL WALL SURFACE CHANGES IN PLANE BEHIND GRAB BAR, PROVIDE TRIM BEHIND BAR MOUNTING SO THAT MOUNTING SURFACE IS WITHIN SAME PLANE AS THE FARTHEST PROTRUDING WALL FINISH MATERIAL.
 3. MAINTAIN 1'-1/2" CLEAR BELOW OR 12" CLEAR ABOVE THE GRAB BAR FOR TISSUE DISPENSER INSTALLATION.
 4. FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE OF TOILET CLEARANCE.
 5. DIMENSIONS/OFFSETS ARE TYPICAL FOR WALL MOUNTED, FLOOR MOUNTED, OR TANK TYPE WATER CLOSETS.
 6. TOILET FLUSH CONTROL HEIGHT SHALL BE 44" MAX FOR ADULTS AND 36" MAX FOR CHILDREN 12 AND UNDER.
 7. PROVIDE MOCK UP OF ACCESSORIES PRIOR TO INSTALLATION FOR REVIEW BY OWNER REPRESENTATIVE.

4 ACCESSIBLE WATER CLOSET

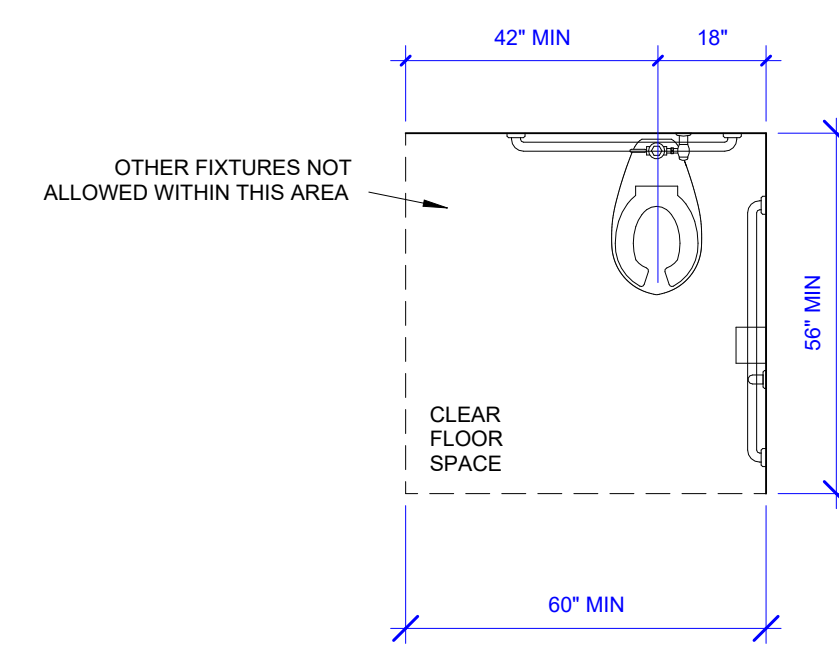
SCALE 3/8" = 1'-0"



NOTE:
 1. REQUIRED WHEN A TOILET ROOM CONTAINS A TOTAL OF SIX OR MORE WATER CLOSET AND URINALS

3 ACCESSIBLE AND AMBULATORY STALL

SCALE 3/8" = 1'-0"

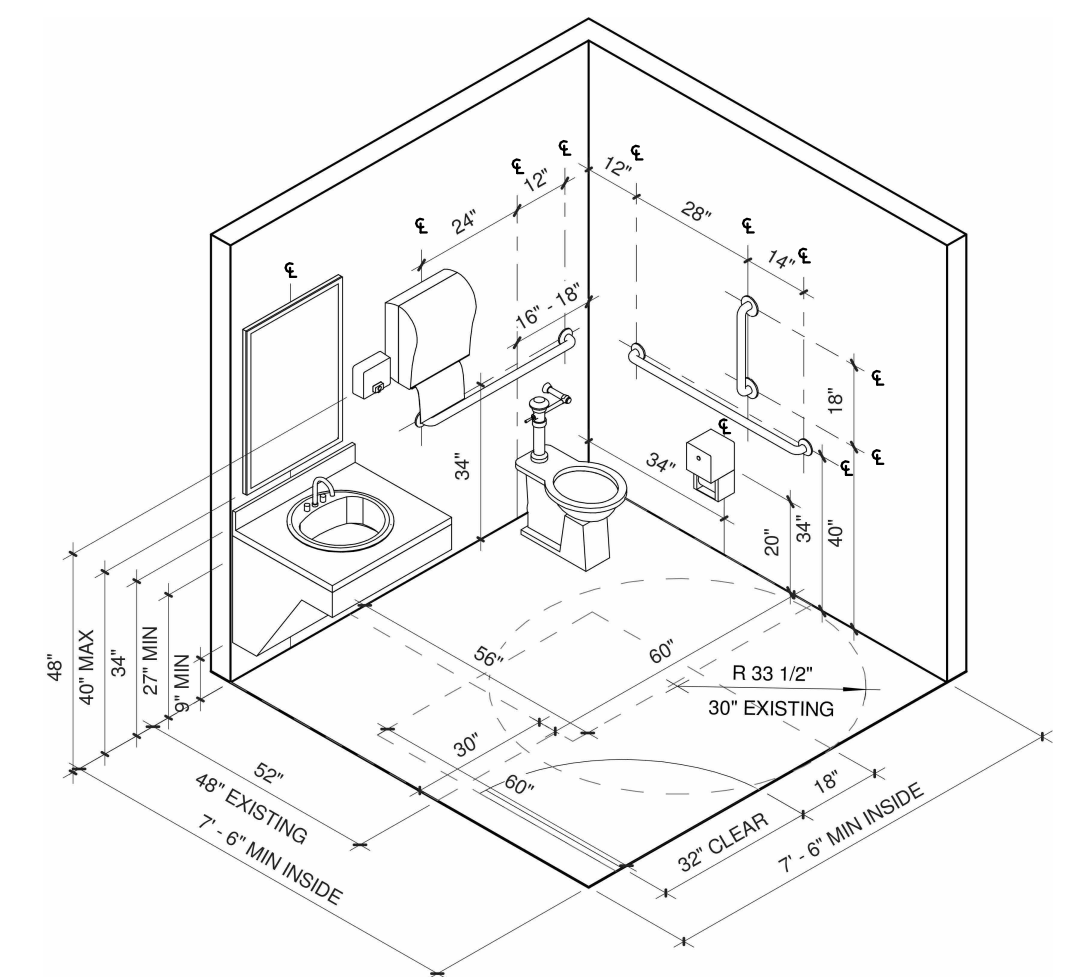


SEE ACCESSIBLE WATER CLOSET DETAIL FOR FURTHER INFORMATION.

2 CLEARANCE FOR WATER CLOSET

SCALE 3/8" = 1'-0"

DETAILS ARE FOR REFERENCE ONLY, SEE A1 SERIES SHEETS / SPECIFICATIONS FOR EXACT MODELS AND MOUNTING LOCATIONS.



NOTES:
 1. REFER TO GRAB BAR DETAILS FOR MOUNTING HEIGHTS AND SIZES
 2. REFER TO PLAN FOR ADDITIONAL DOOR INFORMATION
 3. REFER TO VANITY DETAIL FOR ADDITIONAL VANITY INFORMATION

1 ADA RESTROOM - SINGLE

SCALE 3/8" = 1'-0"



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REVISION SCHEDULE

PROJECT DESCRIPTION:
CENTENNIAL HALL IMPROVEMENTS AND RENOVATION
 300 W. 12TH STREET
 ROLA, MO 65409

PROJECT ARCHITECT: JYP
 DRAWN BY: EBP, CSM, KS
 CHECKED BY: JY, EBP

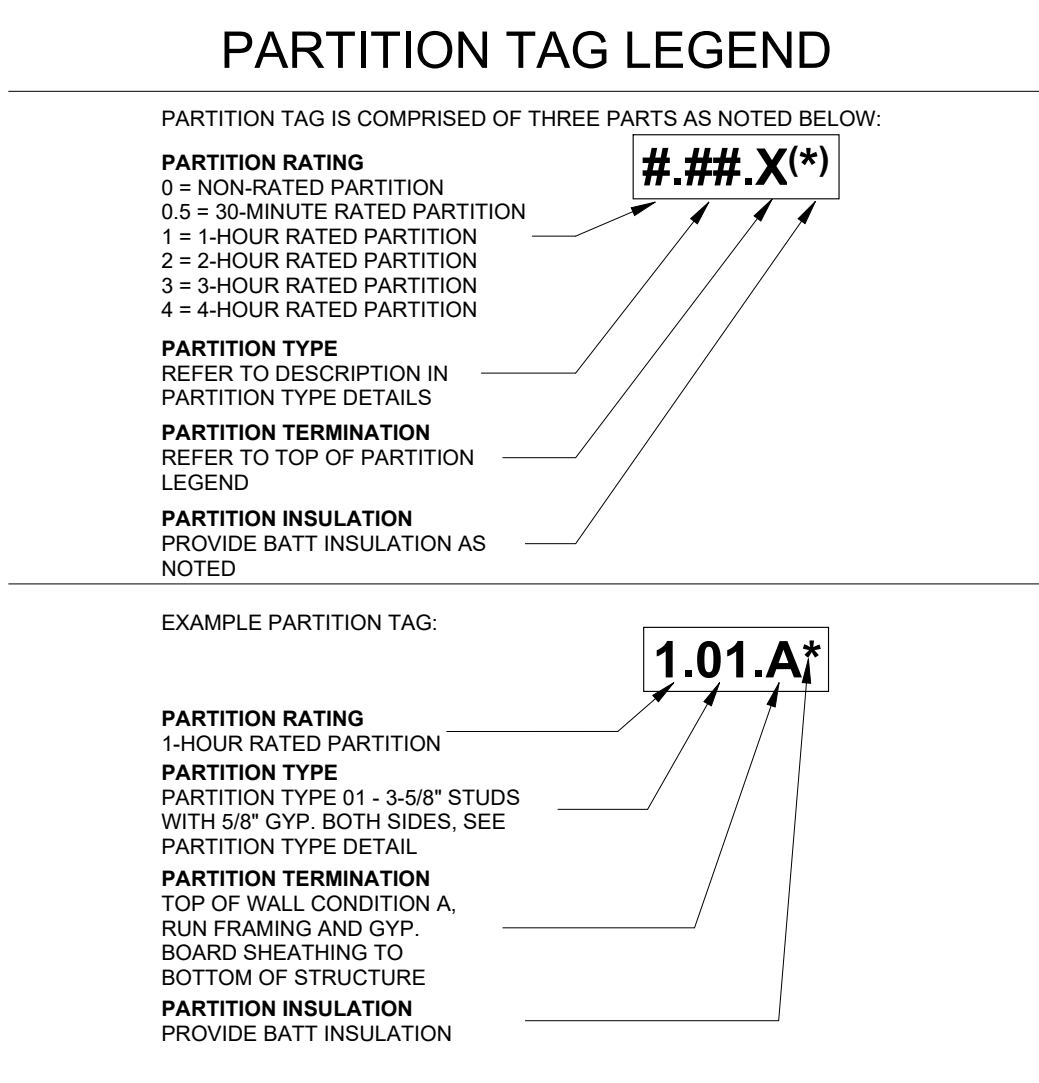
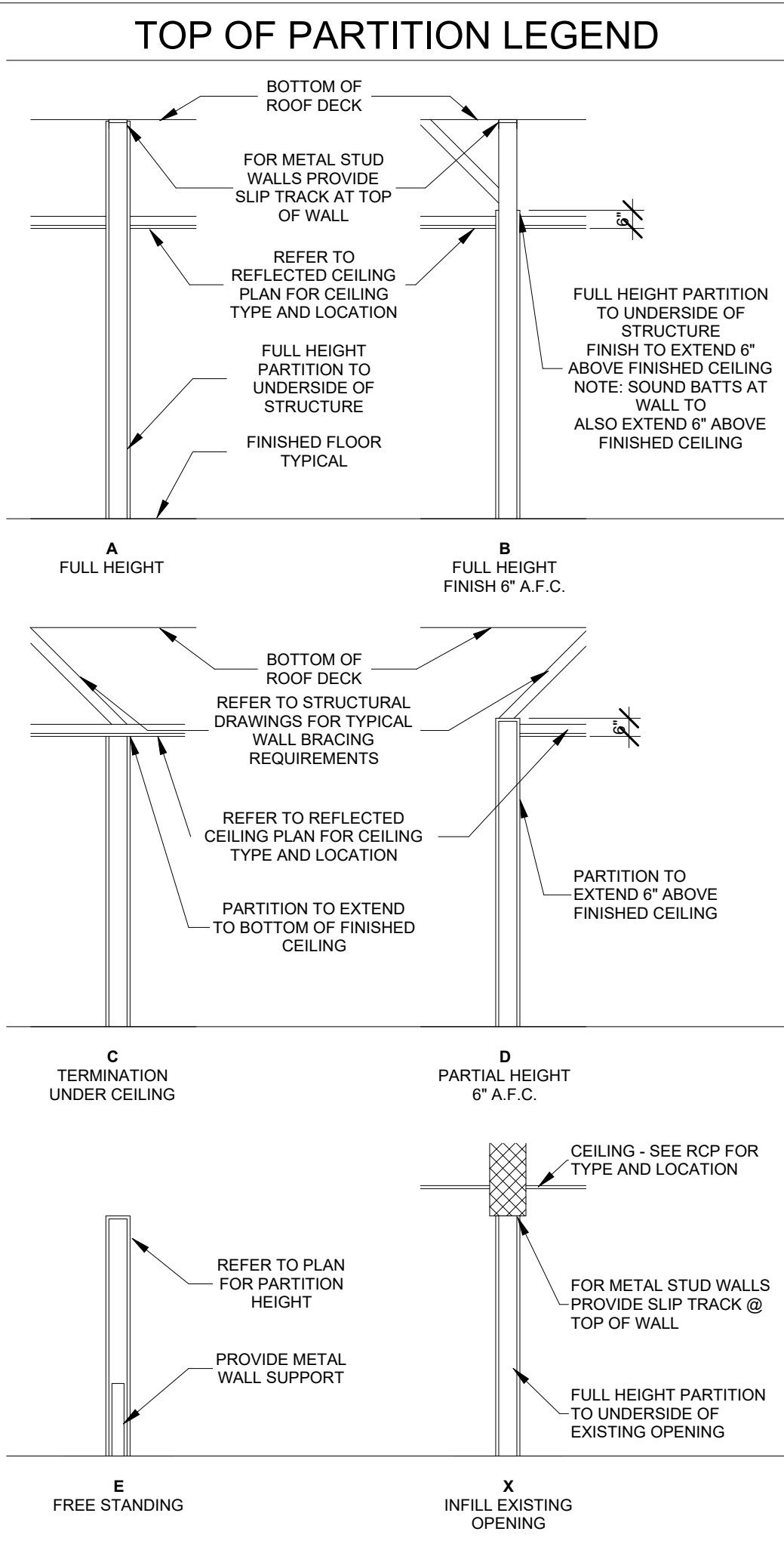
PROJECT NUMBER:
 22-703A
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DATE:
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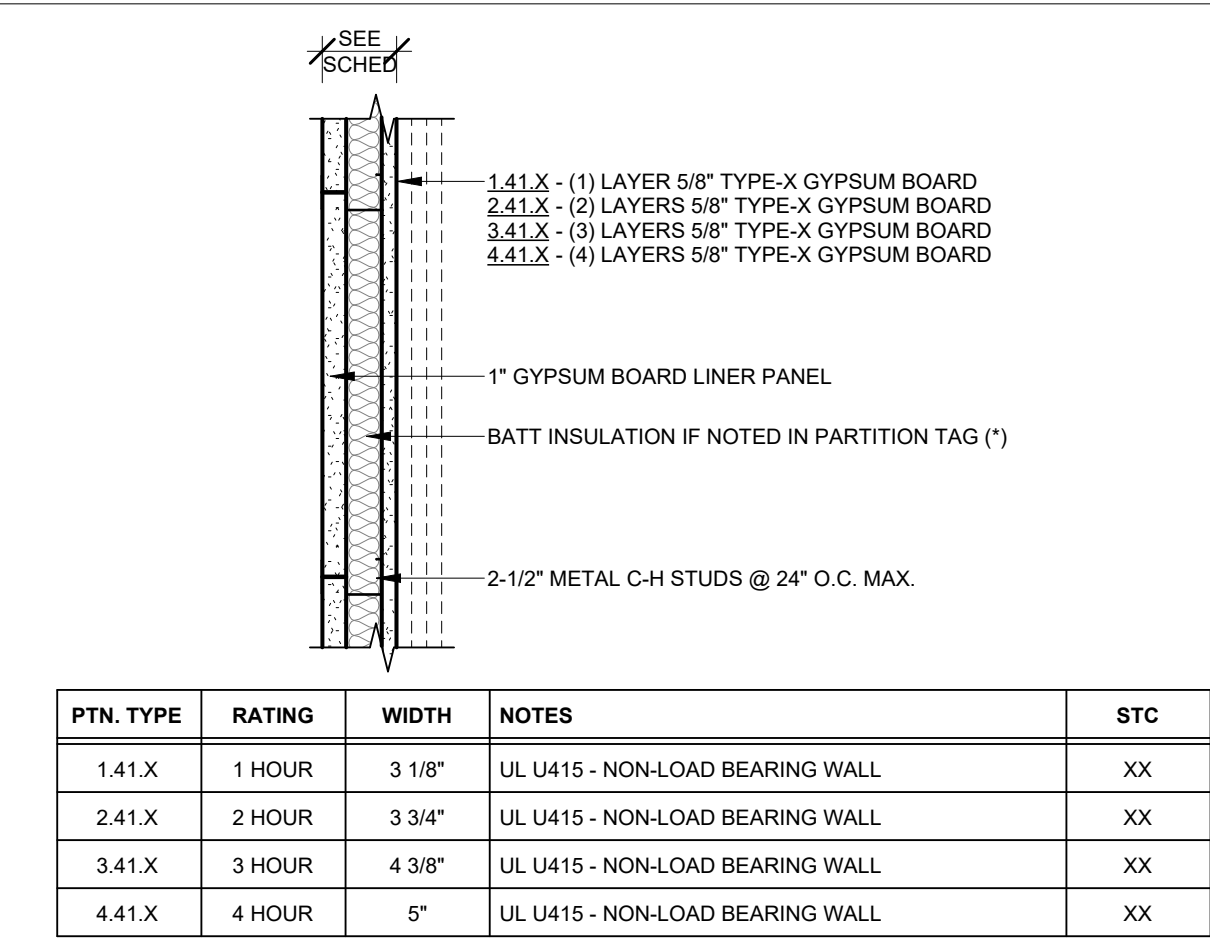
INTERIOR PARTITION TYPES

SHEET NUMBER:

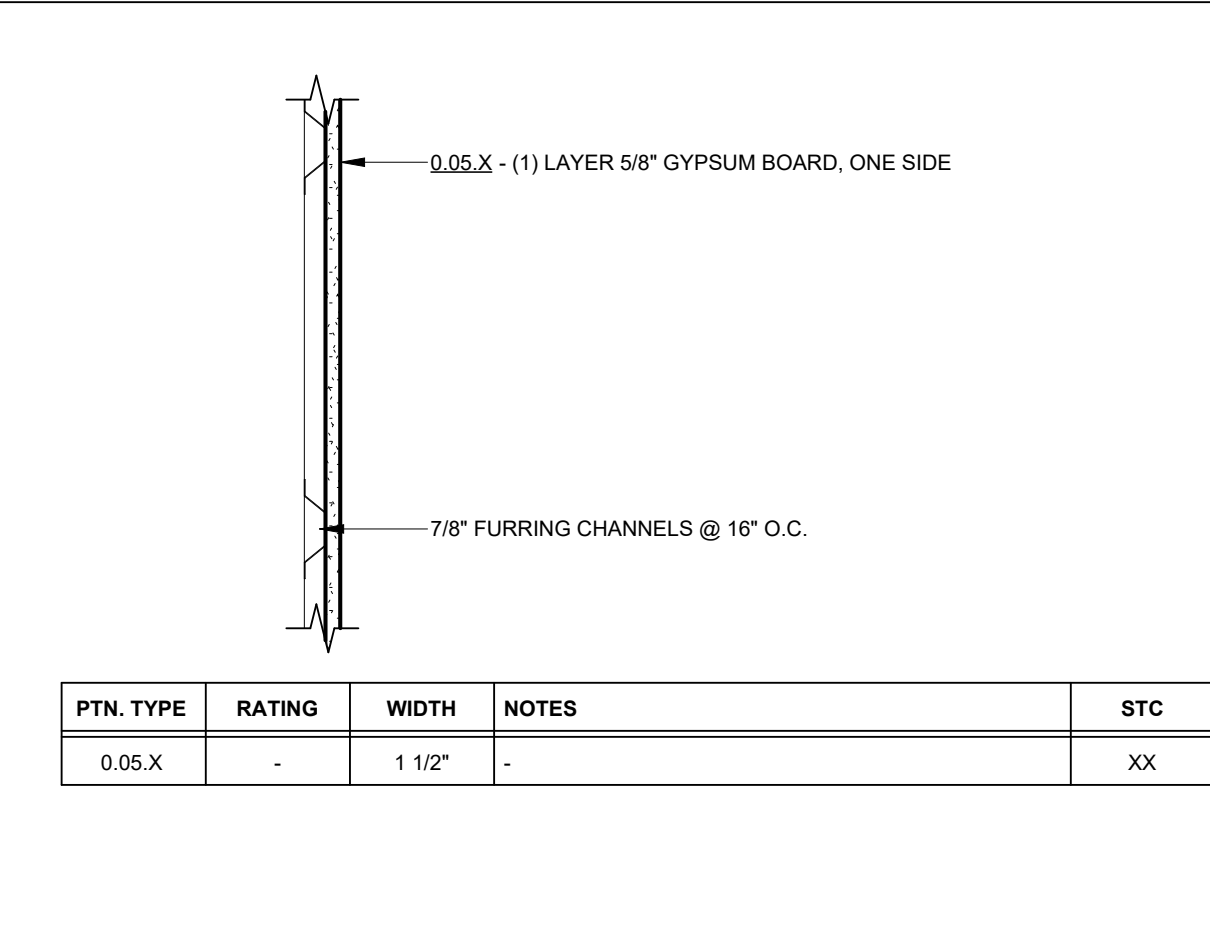
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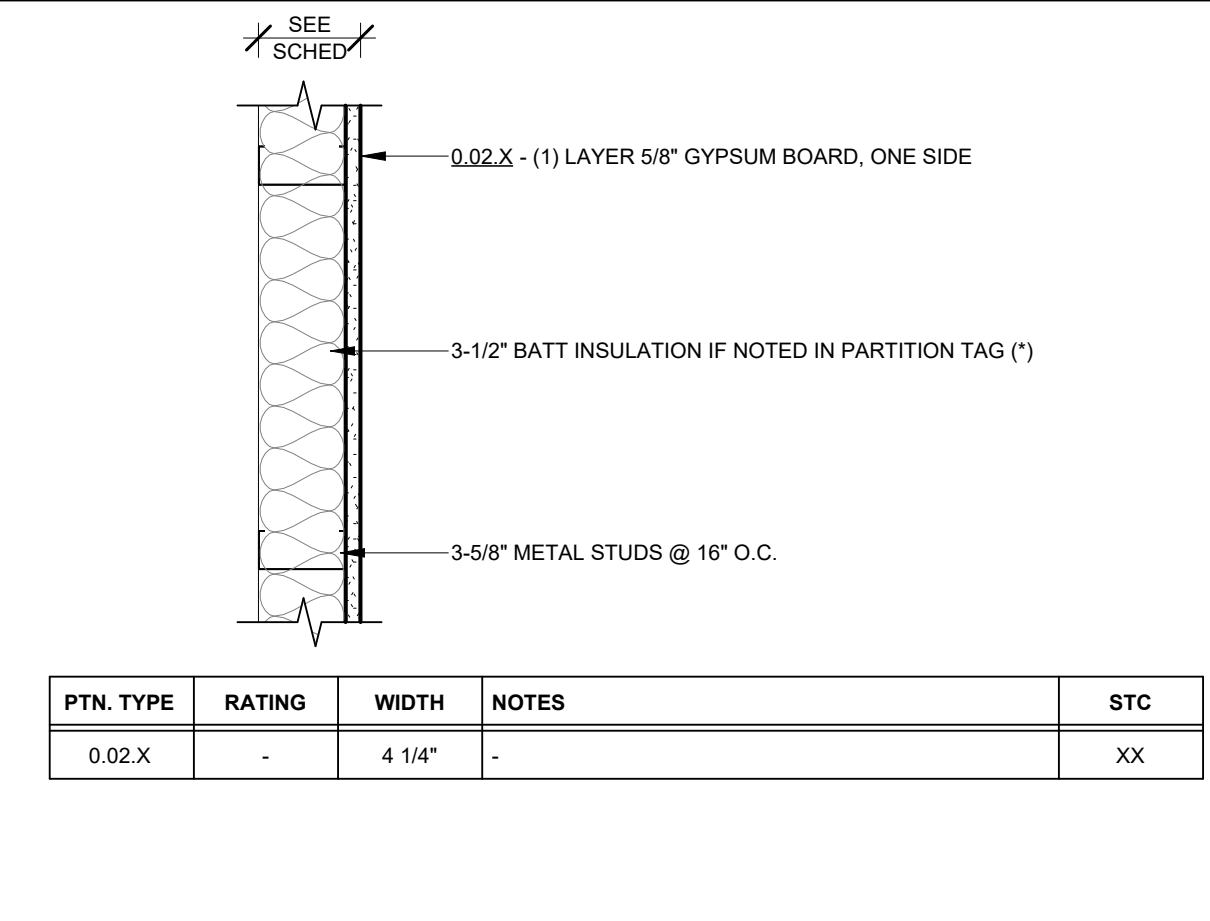
- ### PARTITION TYPE GENERAL NOTES
- EXTERIOR WALL CONSTRUCTION IS DESCRIBED IN WALL SECTIONS. INTERIOR WALL TYPES ARE DESCRIBED BY THEIR DENOTED WALL TYPE TAGS.
 - ANY WALL CONSTRUCTION NOT NOTED WITH A PARTITION TYPE WALL TAG SHALL BE CLARIFIED FOR INTERPRETATION BY THE ARCHITECT PRIOR TO BIDDING.
 - WALL TYPE INDICATES PRIMARY WALL ASSEMBLY ONLY. OVERLAID VENEERS, WAINSCOT, PLASTERS, PAINT, AND WALL COVERINGS ARE INDICATED ON FLOOR PLANS, FINISH PLANS, INTERIOR ELEVATIONS, SCHEDULES, SPECIFICATIONS OR OTHER DETAILS IN ADDITION TO PRIMARY WALL ASSEMBLY.
 - INTERIOR NON-LOAD BEARING WALLS WITH METAL STUD FRAMING SHALL BE INSTALLED PER THE STEEL STUD MANUFACTURERS ASSOCIATION STANDARDS REGARDING HEIGHT AND GAUGE. INTERIOR NON-LOAD BEARING METAL STUD FRAMING MUST BE SIZED TO ACCOMMODATE A LATERAL LOAD OF 7-1/2 POUNDS PER SQUARE FOOT (PSF) WITH A DEFLECTION LIMIT OF L/240. ALL NON-LOAD BEARING STUDS IN RATED ASSEMBLIES SHALL ALSO COMPLY WITH MINIMUM STUD GAUGE PER UL ASSEMBLY REQUIREMENTS.
 - REFERENCE STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR THE DELEGATED DESIGN OF LOAD-BEARING LIGHT-GAUGE METAL FRAMING, INCLUDING ALL LOAD BEARING WALLS, FLOORS, AND THEIR CONNECTIONS. ALL LOAD BEARING STUDS IN RATED ASSEMBLIES SHALL ALSO COMPLY WITH MINIMUM STUD GAUGE PER UL ASSEMBLY REQUIREMENTS.
 - THE CONTRACTOR SHALL COORDINATE WALL FRAMING ABOVE FINISHED CEILINGS WITH FRAMING, PLUMBING, AND HVAC CONTRACTORS. THE FRAMING CONTRACTOR SHALL PROVIDE THE NECESSARY ROUGH OPENING FRAMING REQUIRED TO FACILITATE BUILDING SYSTEM PENETRATIONS. REFER TO MEP ENGINEERING DRAWINGS FOR LOCATIONS OF EXISTING AND NEW BUILDING SYSTEMS. SOME WALL FRAMING AND BRACINGS MAY REQUIRE ADJUSTMENT OR RE-LOCATION TO ALLOW FOR DUCT AND PIPE ROUTING.
 - SEE INTERIOR ELEVATIONS FOR GYPSUM BOARD CONTROL JOINTS. PROVIDE ADDITIONAL CONTROL JOINTS PER USG'S GOOD CONSTRUCTION PRACTICES W0234 DOCUMENT WHEREVER CONTROL JOINTS ARE NOT SHOWN.
 - ALL WALLS WITH PLUMBING FIXTURES AND WALLS ADJACENT TO PLUMBING FIXTURES SHALL RECEIVE MOISTURE AND MOLD RESISTANT GYPSUM BOARD ON BOTH SIDES.
 - ALL WALLS IN CORRIDORS SHALL RECEIVE ABUSE-RESISTANT GYPSUM BOARD UP TO 4'-0" ABOVE FINISH FLOOR MINIMUM. BASIS-OF-DESIGN TO BE NATIONAL GYPSUM HI-ABUSE XP OR ARCHITECT APPROVED EQUAL.
 - SEE STRUCTURAL DRAWINGS, NOTES, AND DETAILS FOR ADDITIONAL STRUCTURAL CMU AND STRUCTURAL STUD WALL INFORMATION. THIS IS A TYPICAL CONDITION FOR ALL WALL TYPES.
 - ASSEMBLIES SHALL BE AIRTIGHT. SEAL ALL PENETRATIONS AND CRACKS WITH ACOUSTICAL SEALANT IN NON-RATED PARTITIONS. PROVIDE FIRE RATED SEALANT AT CRACKS IN FIRE RATED PARTITIONS. PROVIDE ACOUSTICAL SEALANT AT THE TOP AND BOTTOM OF PARTITIONS. PROVIDE FIRE RATED SEALANT AT THE TOP AND BOTTOM OF FIRE RATED PARTITIONS.
 - RECESSED FIXTURES SUCH AS OUTLETS SHALL NOT BE PLACED BACK TO BACK IN THE SAME STUD CAVITY.
 - PROVIDE WOOD BLOCKING FOR ALL ACCESSORIES, EQUIPMENT, AND CASEWORK. SEE PLANS FOR LOCATIONS.
 - FOR ALL RATED ASSEMBLIES - PARTITION DETAILS ON THIS SHEET ARE INTENDED TO ILLUSTRATE BASIC WALL ASSEMBLY. REFER TO UL LISTING DETAILS FOR SPECIFIC INSTRUCTION REGARDING ATTACHMENT, MATERIAL AND MANUFACTURER SELECTION, ETC.



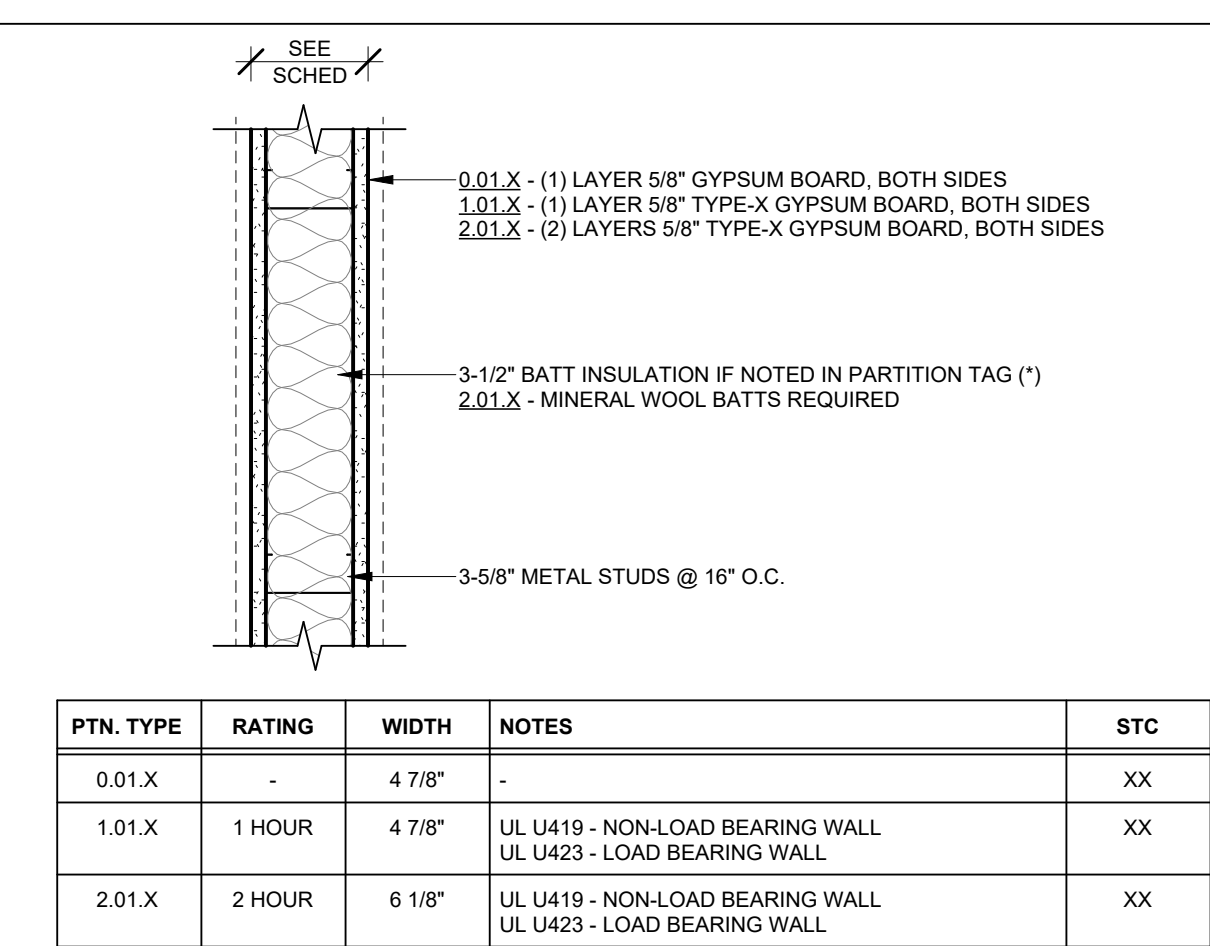
PTN. TYPE	RATING	WIDTH	NOTES	STC
1.41.X	1 HOUR	3 1/8"	UL U415 - NON-LOAD BEARING WALL	XX
2.41.X	2 HOUR	3 3/4"	UL U415 - NON-LOAD BEARING WALL	XX
3.41.X	3 HOUR	4 3/8"	UL U415 - NON-LOAD BEARING WALL	XX
4.41.X	4 HOUR	5"	UL U415 - NON-LOAD BEARING WALL	XX



PTN. TYPE	RATING	WIDTH	NOTES	STC
0.05.X	-	1 1/2"	-	XX



PTN. TYPE	RATING	WIDTH	NOTES	STC
0.02.X	-	4 1/4"	-	XX

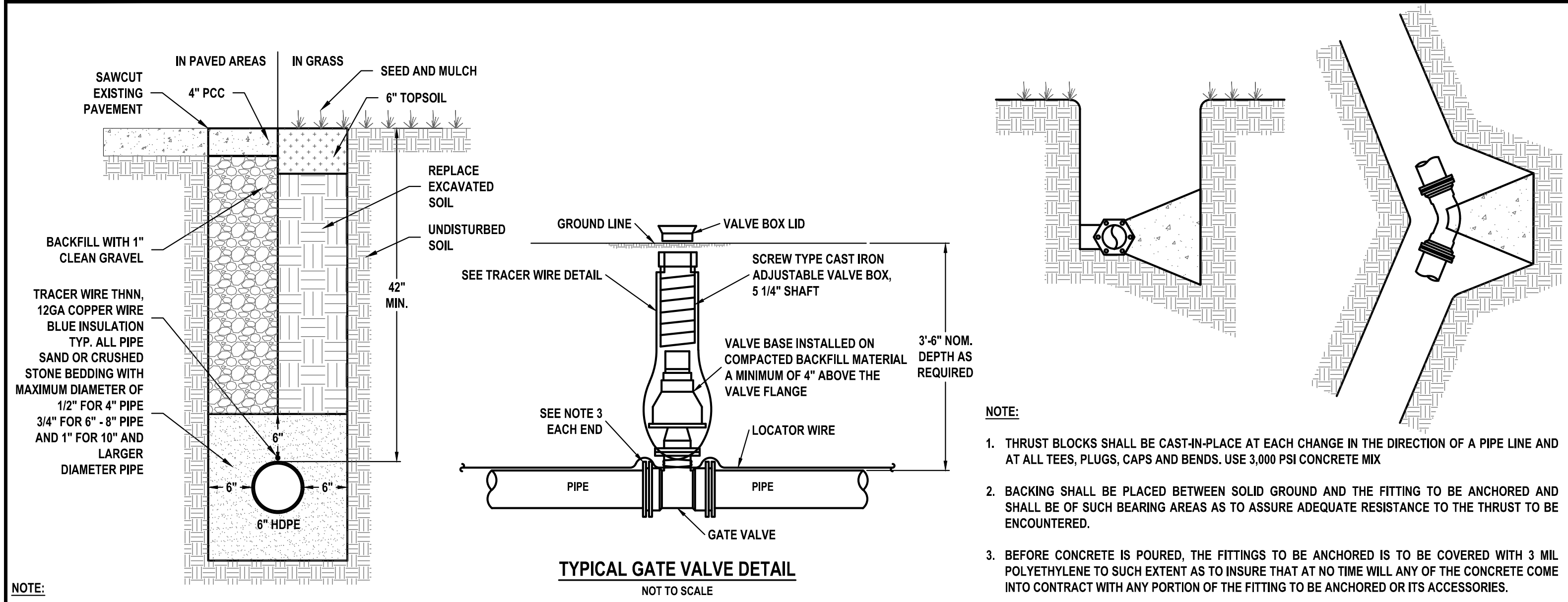
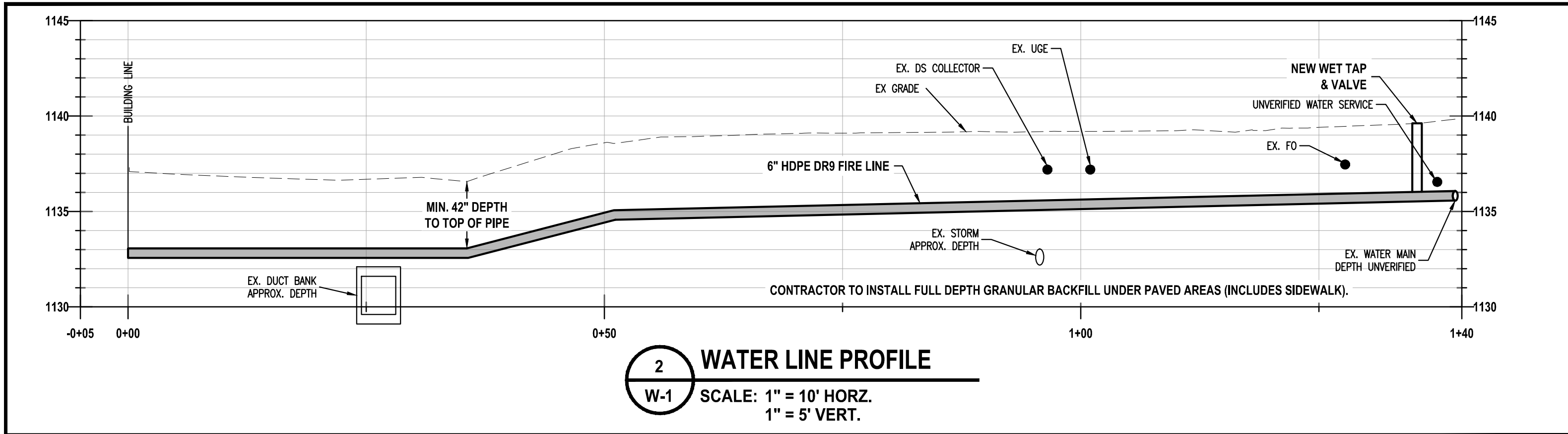


PTN. TYPE	RATING	WIDTH	NOTES	STC
0.01.X	-	4 7/8"	-	XX
1.01.X	1 HOUR	4 7/8"	UL U419 - NON-LOAD BEARING WALL UL U423 - LOAD BEARING WALL	XX
2.01.X	2 HOUR	6 1/8"	UL U419 - NON-LOAD BEARING WALL UL U423 - LOAD BEARING WALL	XX

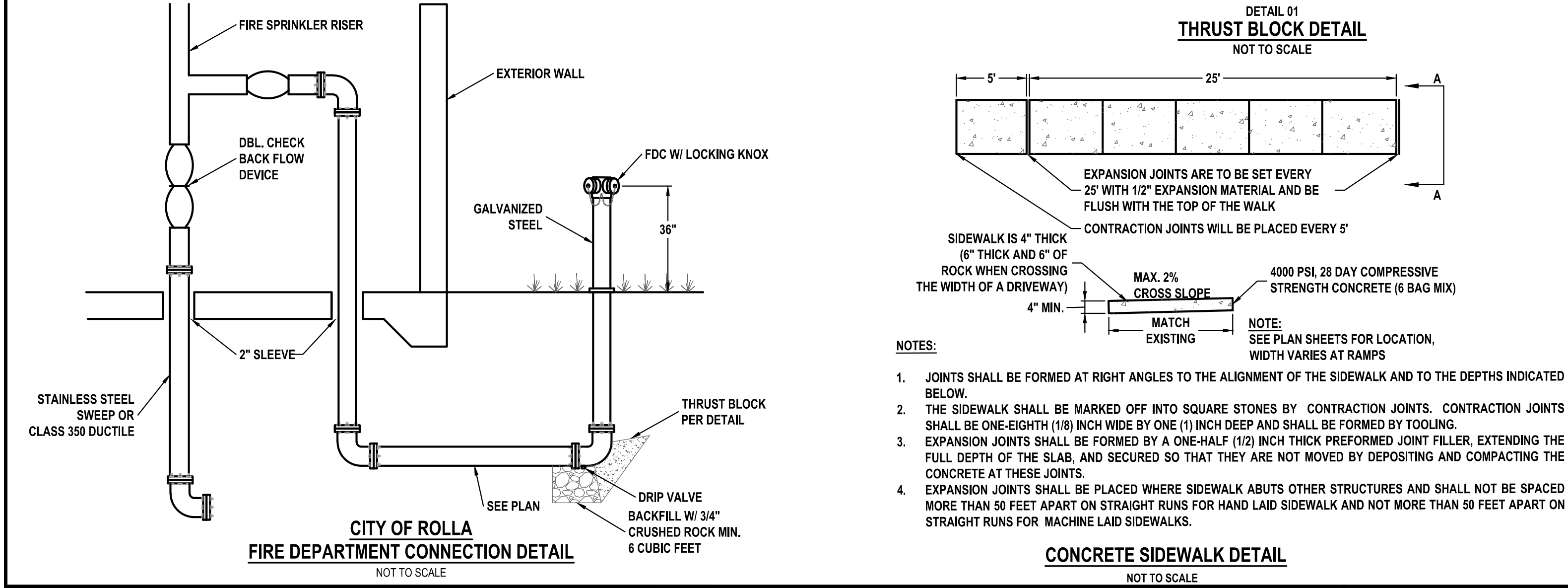


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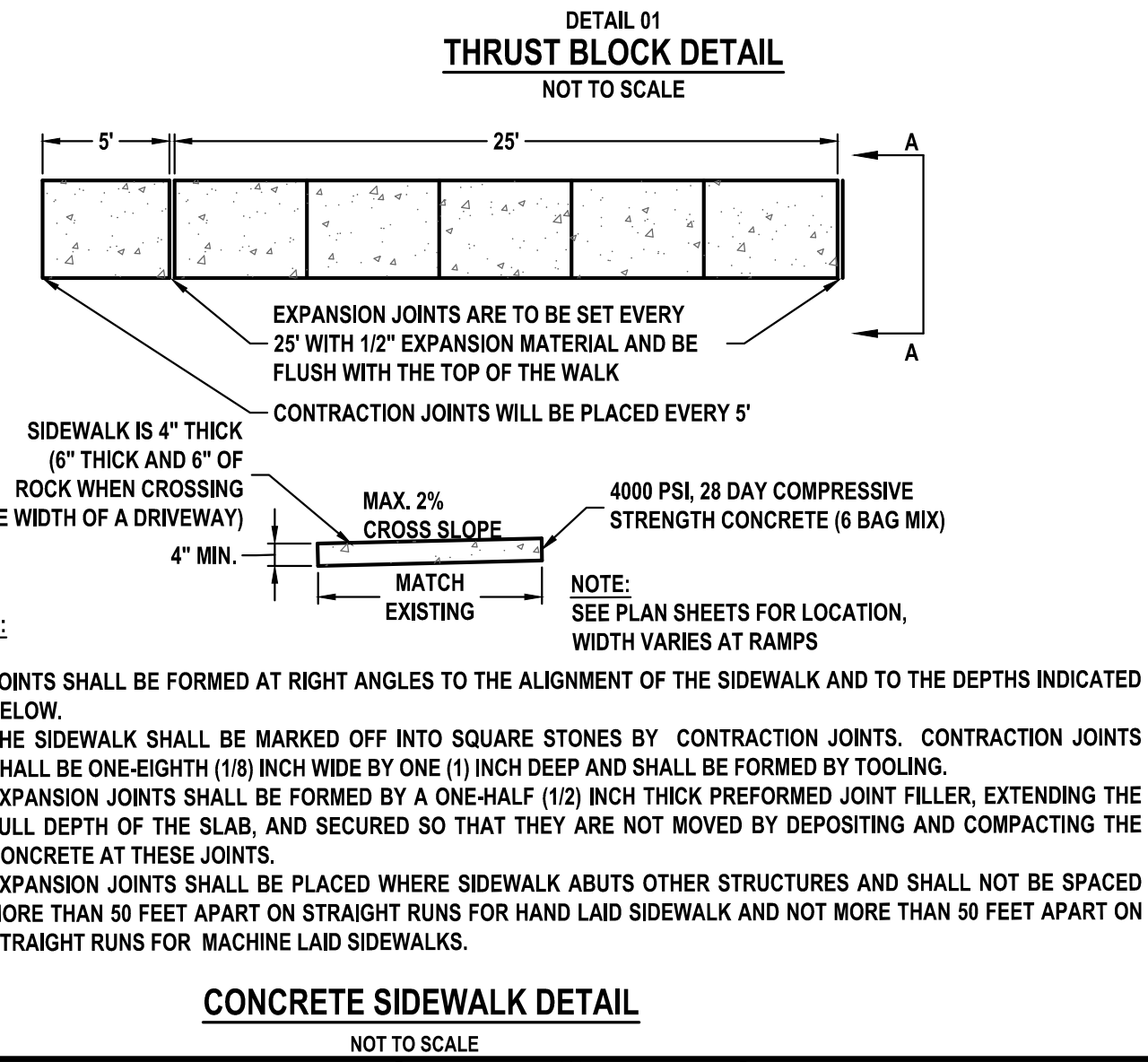


- NOTE:
- CRUSHED STONE BEDDING SHALL BE SAND OR CRUSHED STONE AGGREGATE WITH MAXIMUM PARTICLE SIZE OF 1/2" FOR 4" PIPE, 3/4" FOR 6" - 8" PIPE AND 1" FOR 10" AND LARGER PIPE.
 - TRENCHING, EXCAVATION AND INSTALLATION SHALL BE IN ACCORDANCE WITH RMU STANDARDS.
 - HDPE WATER MAINS SHALL BE INSTALLED AND TESTED IN ACCORDANCE WITH SPECIFICATION SECTION 331416.



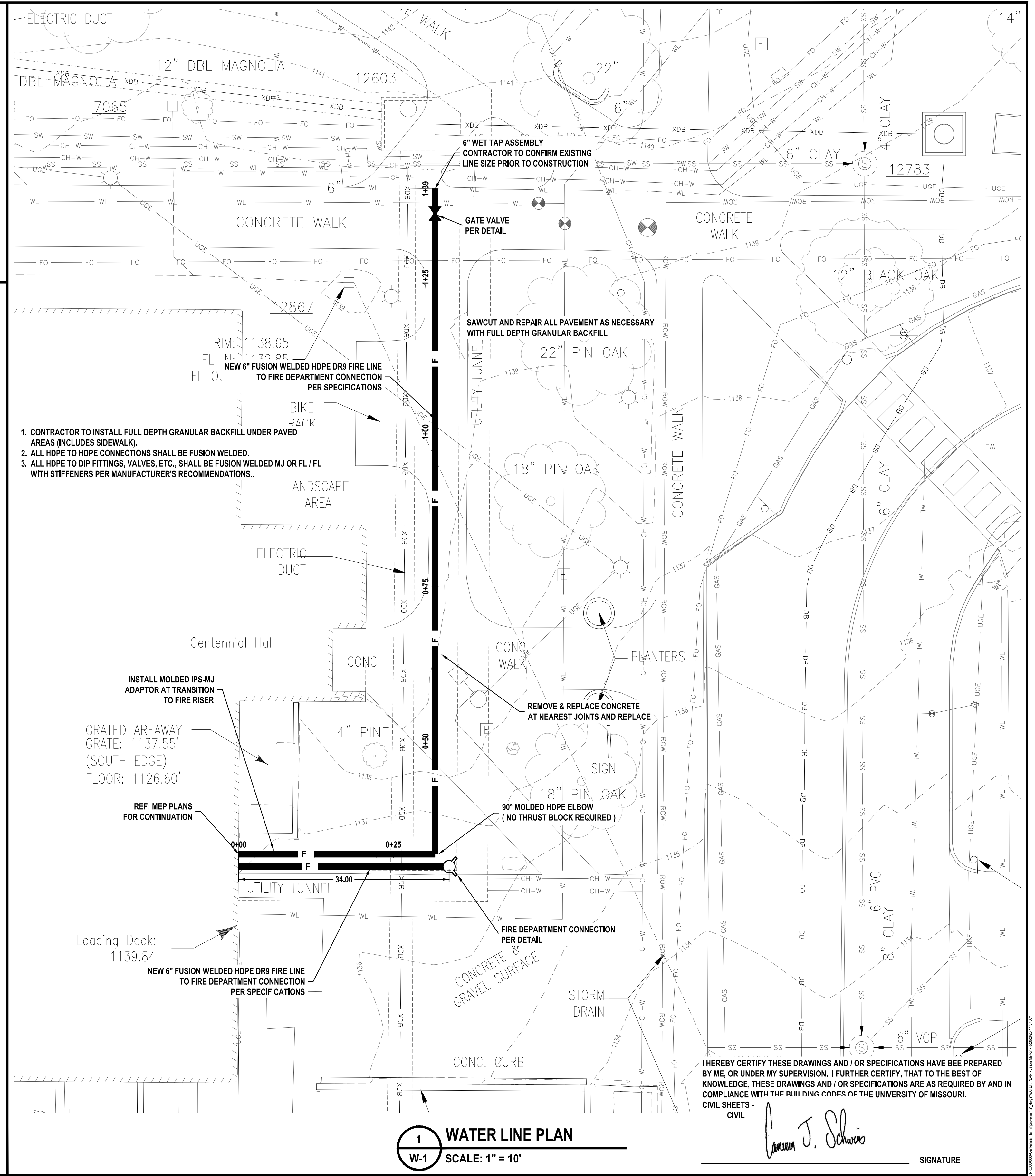
DESIGNED / DRAWN BY: jsm DATE: 08/28/23

No.	DATE	BY	REVISION BLOCK



NOTE:

- JOINTS SHALL BE FORMED AT RIGHT ANGLES TO THE ALIGNMENT OF THE SIDEWALK AND TO THE DEPTHS INDICATED BELOW.
- THE SIDEWALK SHALL BE MARKED OFF INTO SQUARE STONES BY CONTRACTION JOINTS. CONTRACTION JOINTS SHALL BE ONE-EIGHTH (1/8) INCH WIDE BY ONE (1) INCH DEEP AND SHALL BE FORMED BY TOOLING.
- EXPANSION JOINTS SHALL BE FORMED BY A ONE-HALF (1/2) INCH THICK PREFORMED JOINT FILLER, EXTENDING THE FULL DEPTH OF THE SLAB, AND SECURED SO THAT THEY ARE NOT MOVED BY DEPOSITING AND COMPACTING THE CONCRETE AT THESE JOINTS.
- EXPANSION JOINTS SHALL BE PLACED WHERE SIDEWALK ABUTS OTHER STRUCTURES AND SHALL NOT BE SPACED MORE THAN 50 FEET APART ON STRAIGHT RUNS FOR HAND LAID SIDEWALK AND NOT MORE THAN 50 FEET APART ON STRAIGHT RUNS FOR MACHINE LAID SIDEWALKS.



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Missouri University of Science & Technology
Centennial Hall Improvements
Rolla, Missouri

PROJECT NO. 22137020-51
J1456-638

DRAWING NO. W-1

Waterline Plan, Profile & Details

Scale: 1" = 10'

Signature: Cameron J. Schweiss



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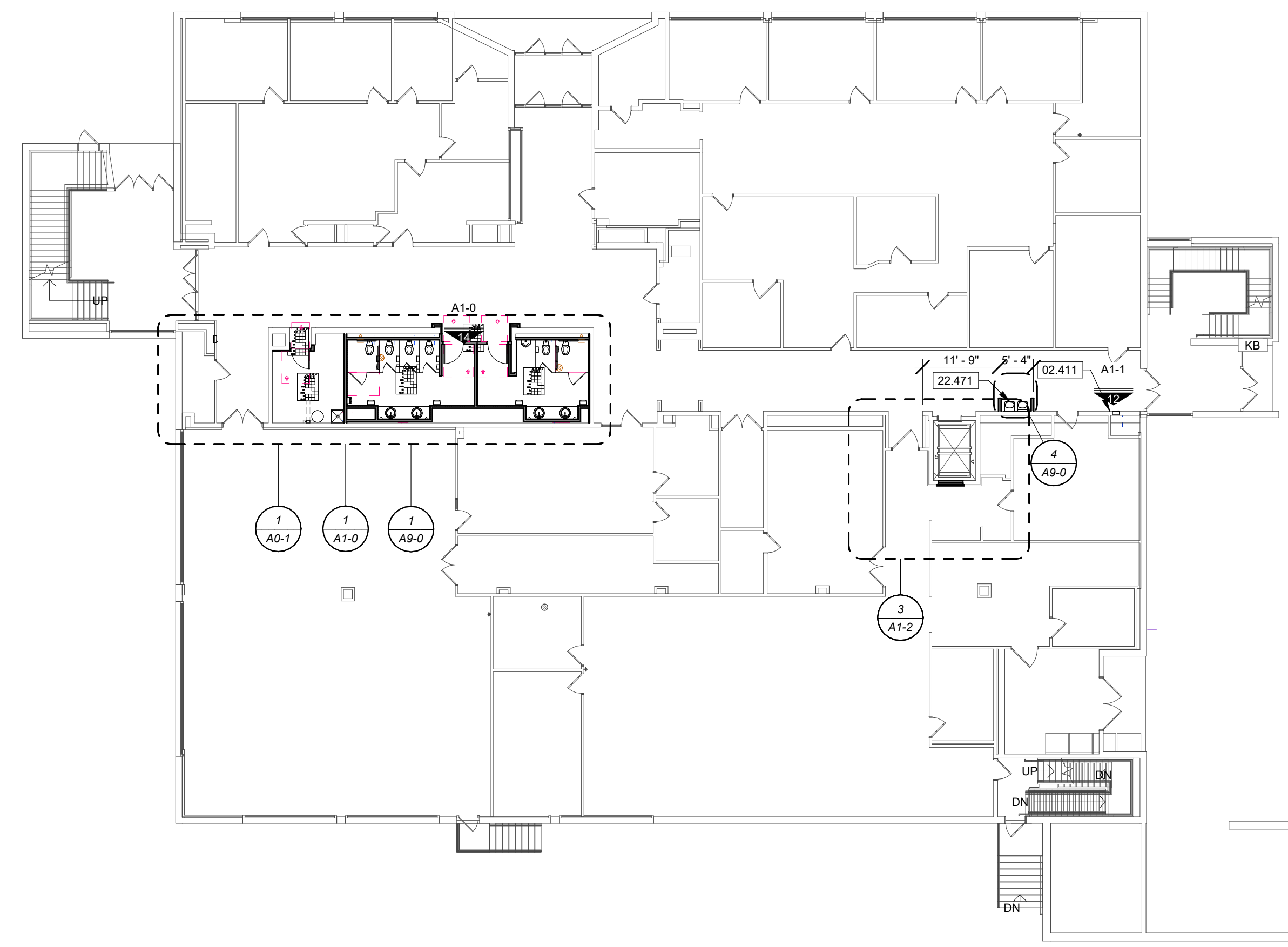


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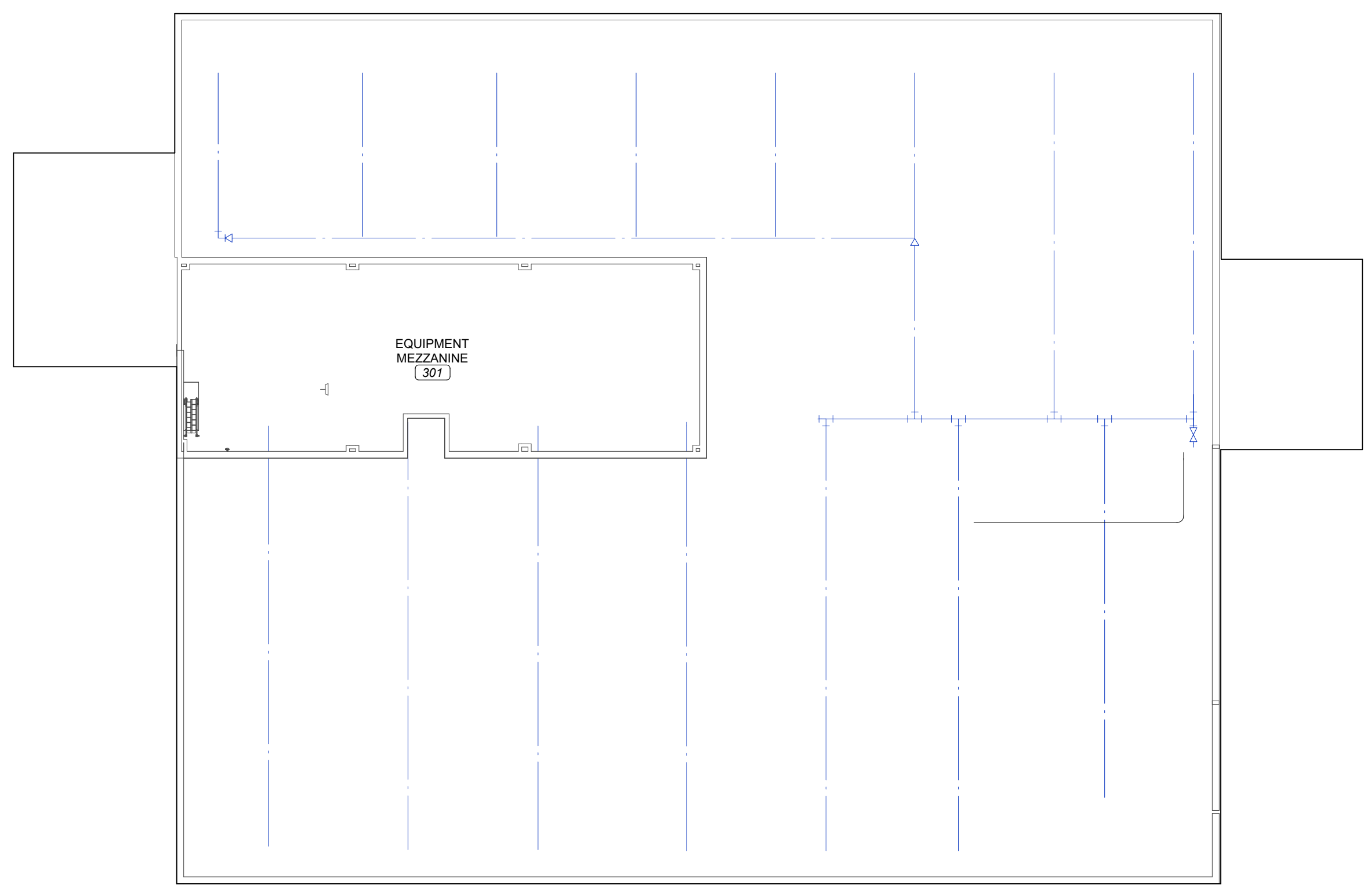
KEYNOTE LEGEND

- 02.411 REMOVE EXISTING FIRE HOSE CABINET. PREPARE OPENING FOR NEW FINISH. PAINT TO MATCH EXISTING WALL FINISH WHERE APPLICABLE. SEE SECTION 02.4100 DEMOLITION.
- 09.216 ALIGN FINISH FACE OF NEW WALL ASSEMBLY WITH FINISH FACE OF EXISTING WALL. SEE SECTION 09.2116 GYPSUM BOARD ASSEMBLIES.
- 22.471 REMOVE EXISTING DRINKING FOUNTAINS. PROVIDE NEW HI-LOW ADA COMPLIANT DRINKING FOUNTAIN WITH BOTTLE FILLER. PROVIDE STAINLESS STEEL PLATE AT EXISTING WALL BEHIND NEW FOUNTAINS. SEE MEP. SEE DIVISION 22.0000 SPECIFICATIONS.



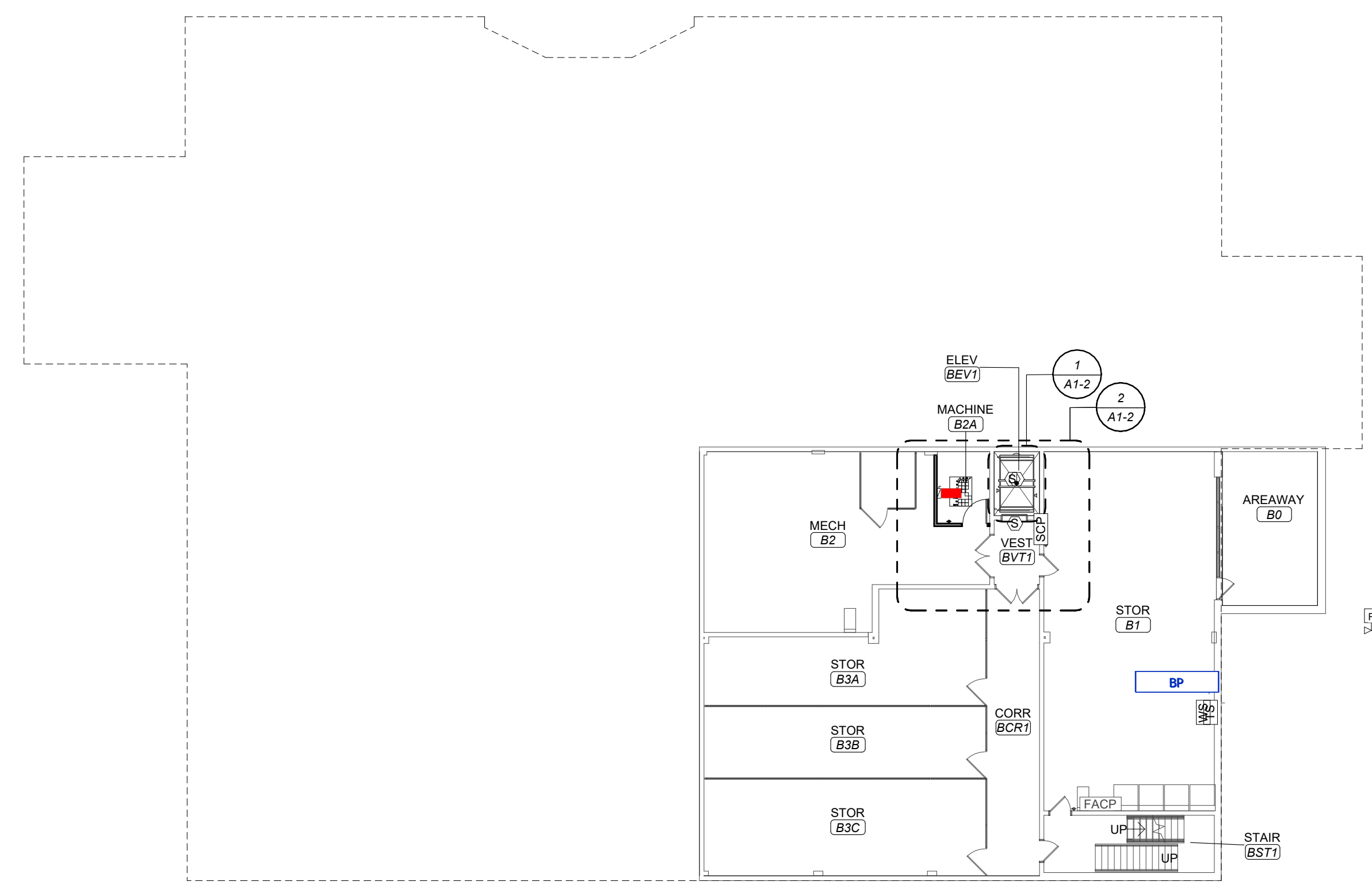
2 FIRST LEVEL KEYPLAN

SCALE 1/16" = 1'-0"



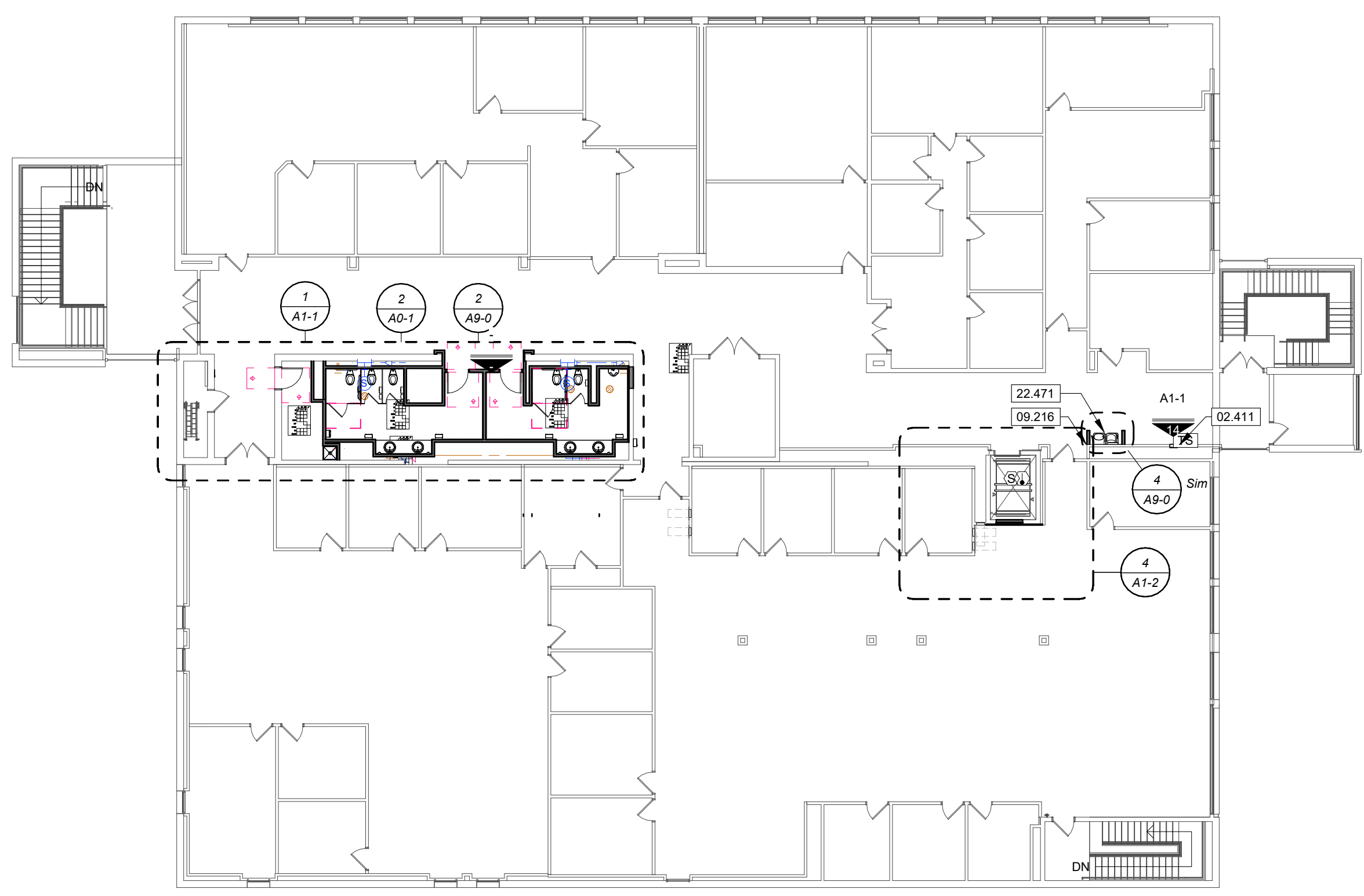
4 MEZZANINE LEVEL KEYPLAN

SCALE 1/16" = 1'-0"



1 LOWER LEVEL KEYPLAN

SCALE 1/16" = 1'-0"



3 SECOND LEVEL KEYPLAN

SCALE 1/16" = 1'-0"

CENTENNIAL HALL IMPROVEMENTS AND RENOVATION

PROJECT ARCHITECT: JY
 DRAWN BY: EBP, CSM, KS
 CHECKED BY: JY, EBP

PROJECT NUMBER:
 22-703A
 RC000638

DATE:
 08/28/2023

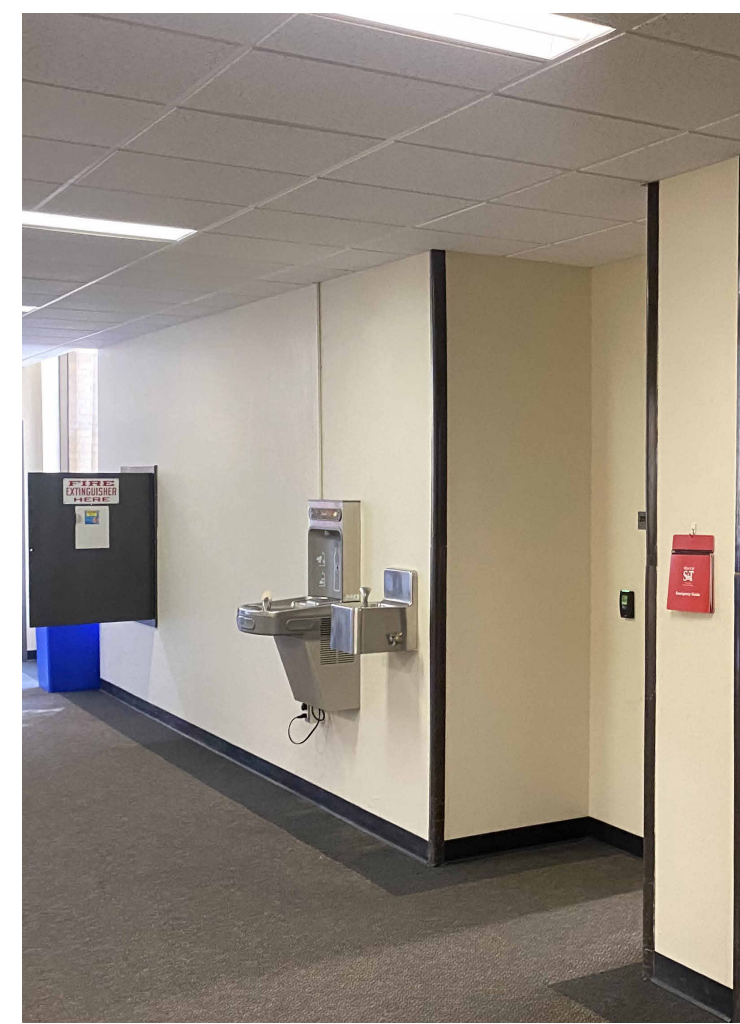
KEYPLANS

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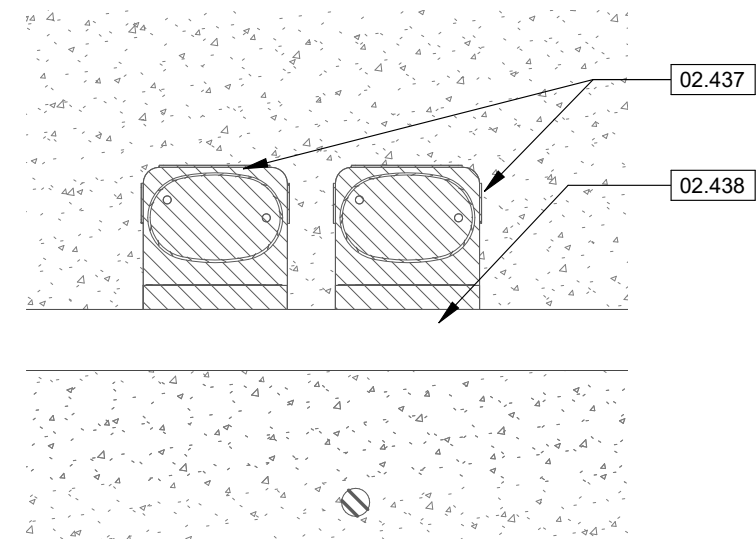
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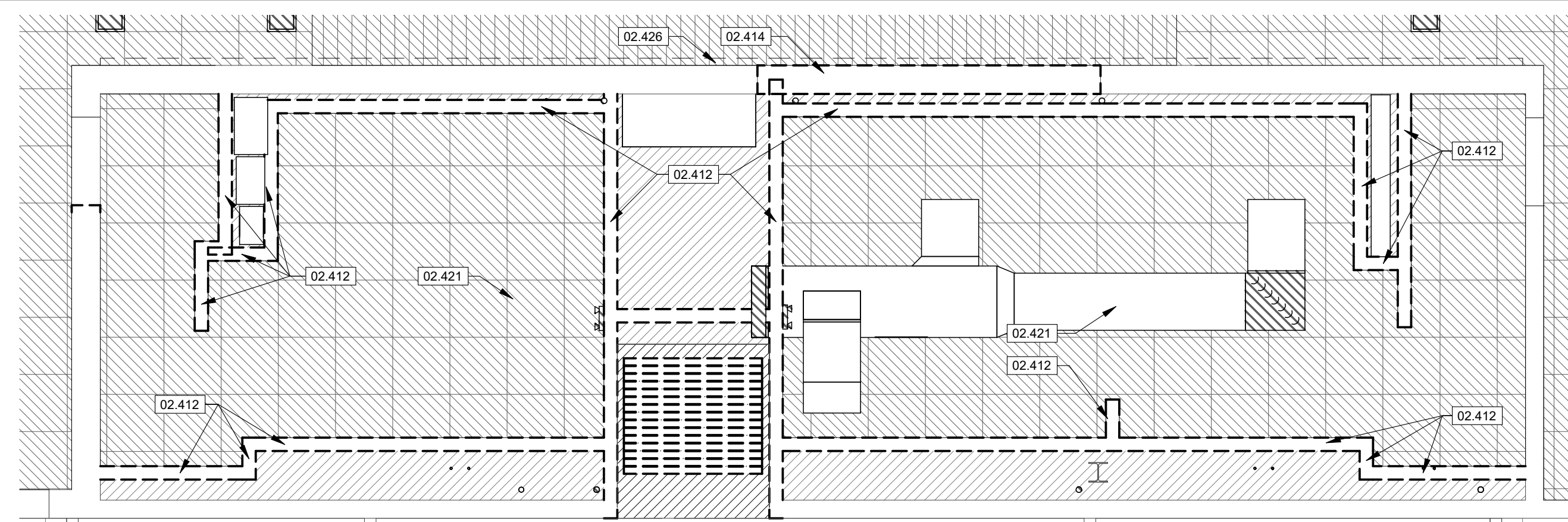
EXISTING FIRST FLOOR DRINKING FOUNTAINS
INSTALLED IN EXISTING BLOCK WALL



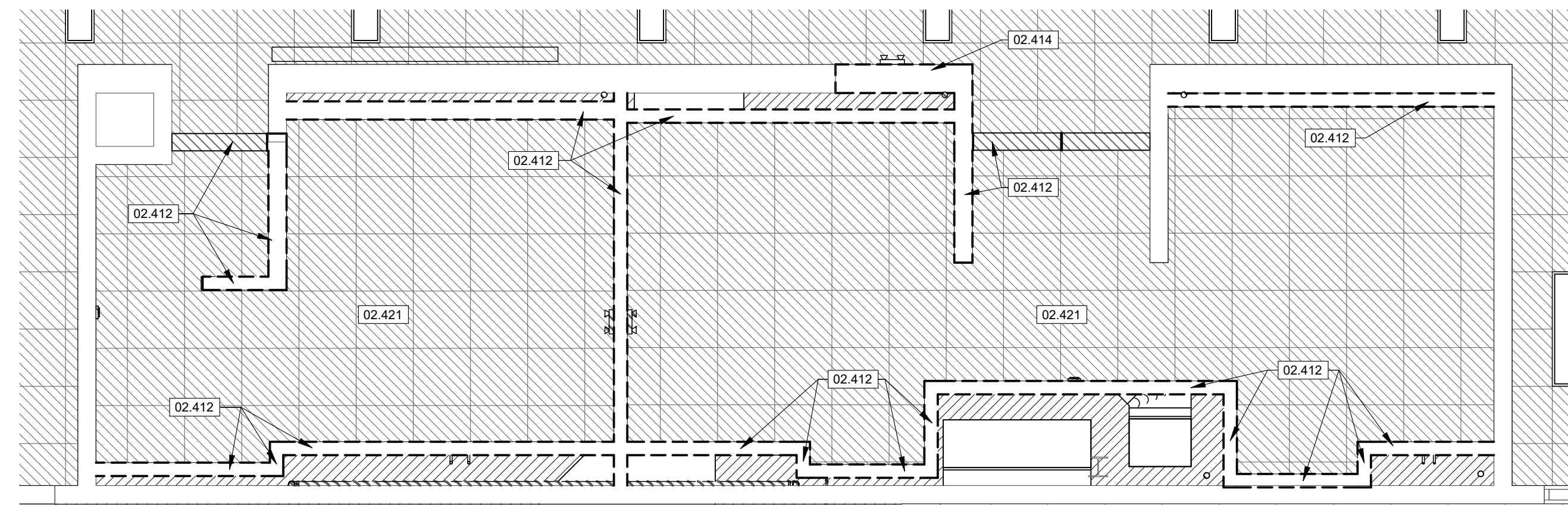
EXISTING SECOND FLOOR DRINKING FOUNTAINS
INSTALLED IN EXISTING STUD WALL



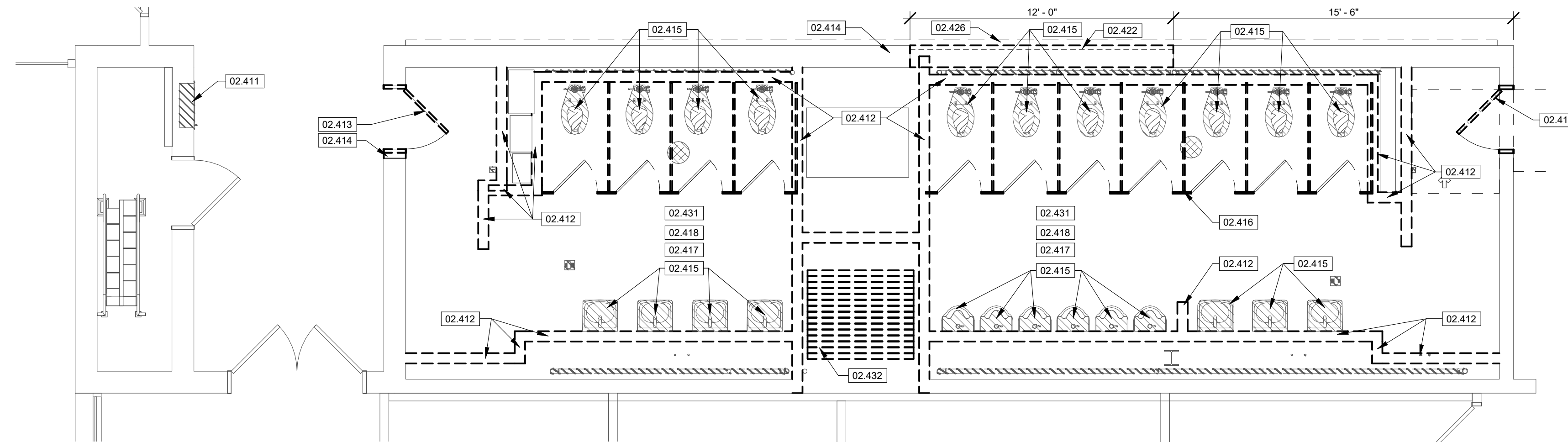
5 TYP. DRINKING FOUNTAIN DEMO PLAN
SCALE 1/2" = 1'-0"



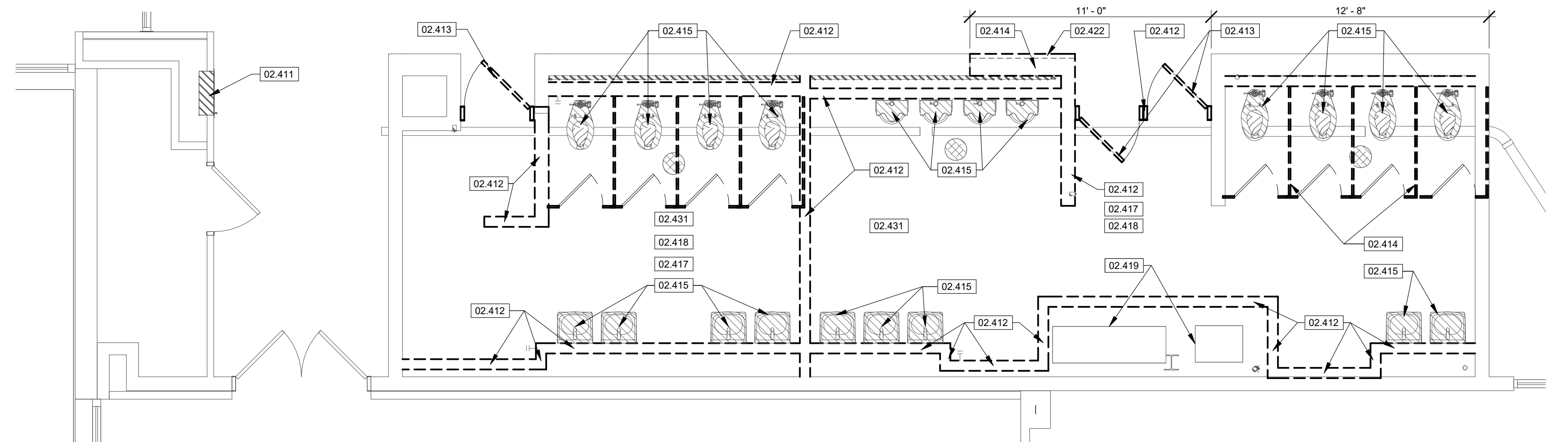
4 SECOND FLOOR RESTROOM REFLECTED CEILING DEMOLITION PLAN
SCALE 1/4" = 1'-0"



3 FIRST FLOOR RESTROOM REFLECTED CEILING DEMOLITION PLAN
SCALE 1/4" = 1'-0"



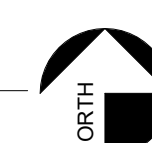
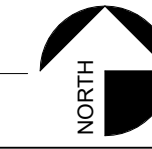
2 SECOND FLOOR RESTROOM DEMOLITION PLAN
SCALE 1/4" = 1'-0"



1 FIRST FLOOR RESTROOM DEMOLITION PLAN
SCALE 1/4" = 1'-0"

KEYNOTE LEGEND

02.411	REMOVE EXISTING FIRE HOSE CABINET. PREPARE OPENING FOR NEW FINISH. PAINT TO MATCH EXISTING WALL FINISH WHERE APPLICABLE. SEE SECTION 02.4100 DEMOLITION.
02.412	REMOVE PARTITION COMPLETE. PREPARE ADJACENT SURFACES FOR NEW FINISH. SEE SECTION 02.4100 DEMOLITION.
02.413	REMOVE DOOR AND FRAME. PREPARE ADJACENT SURFACE FOR NEW FINISH. SEE SECTION 02.4100 DEMOLITION.
02.414	REMOVE PORTION OF PARTITION. PREPARE ADJACENT SURFACE FOR NEW FINISH. SEE SECTION 02.4100 DEMOLITION.
02.415	REMOVE EXISTING PLUMBING FIXTURE. SEE SECTION 02.4100 DEMOLITION.
02.416	REMOVE RESTROOM PARTITIONS. SEE SECTION 02.4100 DEMOLITION.
02.417	REMOVE EXISTING FLOORING. PREPARE AREA FOR NEW FLOORING FINISH. SEE SECTION 02.4100 DEMOLITION.
02.418	REMOVE EXISTING RESTROOM ACCESSORIES. COORDINATE WITH OWNER FOR SALVAGE OF ANY REMOVED ITEMS. SEE SECTION 02.4100 DEMOLITION.
02.419	DUCTWORK TO REMAIN. PROTECT DURING CONSTRUCTION.
02.421	FULLY REMOVE EXISTING CEILING SYSTEM. SEE SECTION 02.4100 DEMOLITION.
02.422	SALVAGE EXISTING BRICK FOR REUSE ON PROJECT. SEE SECTION 02.4100 DEMOLITION.
02.426	CAREFULLY REMOVE EXISTING WALL FEATURE. CLEAN AND REPAIR SUBSURFACE AS NEEDED TO ACHIEVE NEW FINISH LEVEL ON EXTERIOR. SEE SECTION 02.4100 DEMOLITION.
02.431	REMOVE EXISTING FLOORING. CLEAN CONCRETE SLAB TO BE FREE OF GLUE AND OTHER FOREIGN DEBRIS. PATCH EXISTING CONCRETE IN PREPARATION TO ACCEPT NEW FINISHES. PROTECT EXISTING WALLS TO REMAIN. SEE SECTION 02.4100 DEMOLITION.
02.432	REMOVE EXISTING FOLDING PARTITION. TRACK TO REMAIN. SEE SECTION 02.4100 DEMOLITION.
02.437	CAREFULLY REMOVE EXISTING DRINKING FOUNTAINS AND ASSOCIATED BACKING PANELS. SEE SECTION 02.4100 DEMOLITION.
02.438	CUT EXISTING WALL AS NECESSARY FOR REMOVAL OF EXISTING AND INSTALLATION OF NEW DRINKING FOUNTAINS.



DEMOLITION GENERAL NOTES

1. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY PARTITIONS AND TEMPORARY DOORS AS DEEMED NECESSARY BY THE ARCHITECT, ENGINEERS, AND OWNER. TEMPORARY DOORS SHALL BE WELL MAINTAINED AND ANY DAMAGE REPAIRED IMMEDIATELY TO AVOID MIGRATION OF DUST INTO ADJOINING AREAS. THE CONTRACTOR SHALL ERECT AND MAINTAIN TEMPORARY DUST PROOF PARTITIONS TO LIMIT DUST AND NOISE FROM ENTERING ADJACENT OCCUPIED SPACES. DUST PROOF PARTITIONS SHALL BE CONSTRUCTED WITH WOOD STUD FRAMING, PLYWOOD, BATT INSULATION, AND POLYETHYLENE PLASTIC SHEETING AS NEEDED TO CREATE A DUST-PROOF BARRIER.
2. THE CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK IN OCCUPIED SPACES INCLUDING ABOVE AND BELOW THE AREA OF WORK WITH SUB-CONTRACTORS AND OWNER. THE CONTRACTOR SHALL NOTIFY THE OWNER TWO WEEKS PRIOR TO COMMENCING DEMOLITION WORK. SPACES ADJACENT TO, ABOVE, AND BELOW THE AREA OF WORK ARE INTENDED TO REMAIN OCCUPIED DURING DEMOLITION ACTIVITIES AND ALL WORK SHALL BE PERFORMED IN SUCH A MANNER AS TO MINIMIZE DISRUPTIONS TO OCCUPANTS. PROTECT EXISTING FLOOR FINISHES FROM CONSTRUCTION TRAFFIC THROUGH OCCUPIED AREAS. EXISTING WALL, FLOOR, AND CEILING FINISHES TO REMAIN SHALL BE PROTECTED AND ANY DAMAGE RESULTING FROM DEMOLITION WORK SHALL BE REPAIRED BY THE CONTRACTOR AT CONTRACTOR'S EXPENSE.
3. EACH CONTRACTOR WILL BE EXPECTED TO STOP WORK IN AREAS ADJACENT TO OCCUPIED SPACES WHEN CONSTRUCTION NOISE, ODORS, AND/OR DUST INTERRUPTS NORMAL BUILDING OCCUPANCY.
4. **MAINTAIN PATH OF EGRESS AT ALL TIMES DURING CONSTRUCTION FOR EXISTING BUILDING OCCUPANTS. A MINIMUM CLEAR PATH OF EGRESS OF 4'-0" SHALL BE ENFORCED BY THE CONTRACTOR AT ALL TIMES.**
5. WHEN DEMOLITION CAUSES DAMAGE TO FLOOR, WALL, OR CEILING SURFACES THAT WILL REMAIN EXPOSED IN THE FINISHED WORK SUCH DAMAGE SHALL BE REPAIRED AS REQUIRED TO RECEIVE NEW FINISHES.
6. CONTRACTOR SHALL PROTECT ANY EXISTING WALLS, DOORS, HARDWARE, LIGHTS, FIXTURES, FINISHES, CEILINGS, WINDOWS OR GLASS IN DOORS OR ANY OTHER EXISTING ELEMENTS TO REMAIN AND/OR DIRECTLY ADJACENT TO CONSTRUCTION AREAS. PROTECTION SHALL INCLUDE PLYWOOD OR OTHER SOLID PROTECTION AS NECESSARY TO PREVENT DAMAGE BY DEBRIS AND CONSTRUCTION ACTIVITIES.
7. THE CONTRACTOR SHALL COVER AND PROTECT OWNER'S EQUIPMENT WHICH CANNOT BE REMOVED FROM THE PROJECT AREA.
8. CONTRACTOR SHALL COORDINATE ALL DEMOLITION WITH ANY PHASING AS REQUIRED TO COMPLETE THE WORK.
9. WHERE EXTERIOR WALLS, DOORS, AND/OR WINDOWS ARE TO BE REMOVED OR MODIFIED THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO ENSURE THAT THE EXISTING BUILDING REMAINS SECURE, WEATHER-TIGHT, AND WITHOUT DRAFTS WHEN REMOVED.
10. MAKE ALL DEMOLITION CLEAN AND COMPLETE AND IN A MANNER SUITABLE TO ACCEPT NEW FINISHES AND FINISHED SURFACES.
11. REMOVE ALL EXISTING WALL MOUNTED ITEMS WITHIN THE PROJECT AREA WHICH ARE NOT NOTED TO REMAIN. THE CONTRACTOR SHALL DISPOSE OF THESE ITEMS AFTER INSPECTION BY THE OWNER FOR FUTURE USE OR STORAGE. IF ITEMS ARE REMOVED FROM WALLS THAT ARE TO REMAIN THE CONTRACTOR SHALL PATCH WALLS AS REQUIRED TO RECEIVE NEW FINISHES AND/OR FINISHED SURFACES.
12. DEMOLITION FOR BUILDING SERVICES AND UTILITIES SHALL BE PERFORMED BY THE TRADE RESPONSIBLE FOR THAT UTILITY. FOR EXAMPLE, PLUMBING FIXTURES SHALL BE DEMOLISHED BY THE PLUMBING CONTRACTOR. OPENINGS FOR DEMOLISHED UTILITIES SHALL BE FILLED BY TRADE RESPONSIBLE FOR PIPING, DUCT, OR CONDUIT DEMOLITION. OPENINGS THROUGH FIRE-RATED CONSTRUCTION SHALL BE PATCHED TO MATCH EXISTING CONSTRUCTION OR BE FIRESTOPPED AS REQUIRED BY APPLICABLE CODES.
13. REROUTE OR TERMINATE ALL CONNECTIONS OF BUILDING SYSTEMS PRIOR TO DEMOLITION. EXISTING BUILDING SYSTEMS SHALL REMAIN ACTIVE AT ALL TIMES OF REGULAR BUILDING USE UNLESS PROPERLY SCHEDULED, AND TEMPORARY SHUTDOWN IS COORDINATED AND APPROVED BY OWNER AND CONTRACTOR.
14. IF CONTRACTOR ENCOUNTERS DEMOLITION WHICH IS STRUCTURAL AND/OR LOAD BEARING THAT HAS NOT BEEN IDENTIFIED IN DRAWINGS AS LOAD BEARING THE CONTRACTOR MUST CONTACT ARCHITECT IMMEDIATELY AND DOCUMENT CONDITIONS IN WRITING.
15. PROVIDE TEMPORARY SHORING OR BRACING OF EXISTING STRUCTURAL SYSTEMS AS REQUIRED FOR INSTALLATION OF NEW CONSTRUCTION.
16. SEE FLOOR PLANS, ELEVATIONS, DETAILS, AND OTHER DRAWINGS INCLUDED HEREIN FOR NEW CONSTRUCTION AND ITS EFFECT ON DEMOLITION ITEMS DESCRIBED HEREIN.
17. SEE SPECIFICATIONS FOR DISPOSAL OR SALVAGE OF ALL DEMOLISHED MATERIALS AND DEBRIS. ALL DEMOLISHED ITEMS AND MATERIALS THAT ARE NOT TURNED OVER TO OWNER SHALL BE REMOVED FROM THE BUILDING AND PROJECT SITE AND DISPOSED OF OFF-SITE IN A PROPER AND LEGAL MANNER.
18. DEMOLITION IDENTIFIED AS "COMPLETE" IS TO BE FULLY DEMOLISHED INCLUDING ASSOCIATED FASTENERS, MASTIC, BLOCKING, AND ACCESSORIES TO THAT ITEM OR ITEMS.
19. ANY ITEM OR ITEMS INDICATED TO BE SALVAGED FOR REINSTALLATION OR TURNED OVER TO OWNER SHOULD BE PHOTOGRAPHED AND COPIES OF THE PHOTOGRAPHS SENT TO THE ARCHITECT AND OWNER WITHIN 10 DAYS OF REMOVAL. ITEMS TO BE SALVAGED SHALL BE CAREFULLY REMOVED AND PROPERLY STORED BY CONTRACTOR UNTIL TURNED OVER TO OWNER. COORDINATE STORAGE AND TIMELINE WITH OWNER FOR TRANSFER OF SALVAGED ITEMS TO OWNER.
20. IF CONTRACTOR ENCOUNTERS HAZARDOUS MATERIALS, THEN THE WORK IN THE AREA IS TO BE SUSPENDED AND CONTRACTOR MUST NOTIFY THE OWNER AND ARCHITECT FOR MATERIAL TESTING IN WRITING.



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REVISION SCHEDULE

PROJECT DESCRIPTION:
CENTENNIAL HALL IMPROVEMENTS AND RENOVATION
300 W. 12TH STREET
ROLLA, MO 65409

PROJECT ARCHITECT: JY
DRAWN BY: EBP, GJM, KS
CHECKED BY: JY, EBP

PROJECT NUMBER:
22-703A
RC000638
DATE:
08/28/2023

DEMO PLANS - RESTROOMS

SHEET NUMBER:
A0-1



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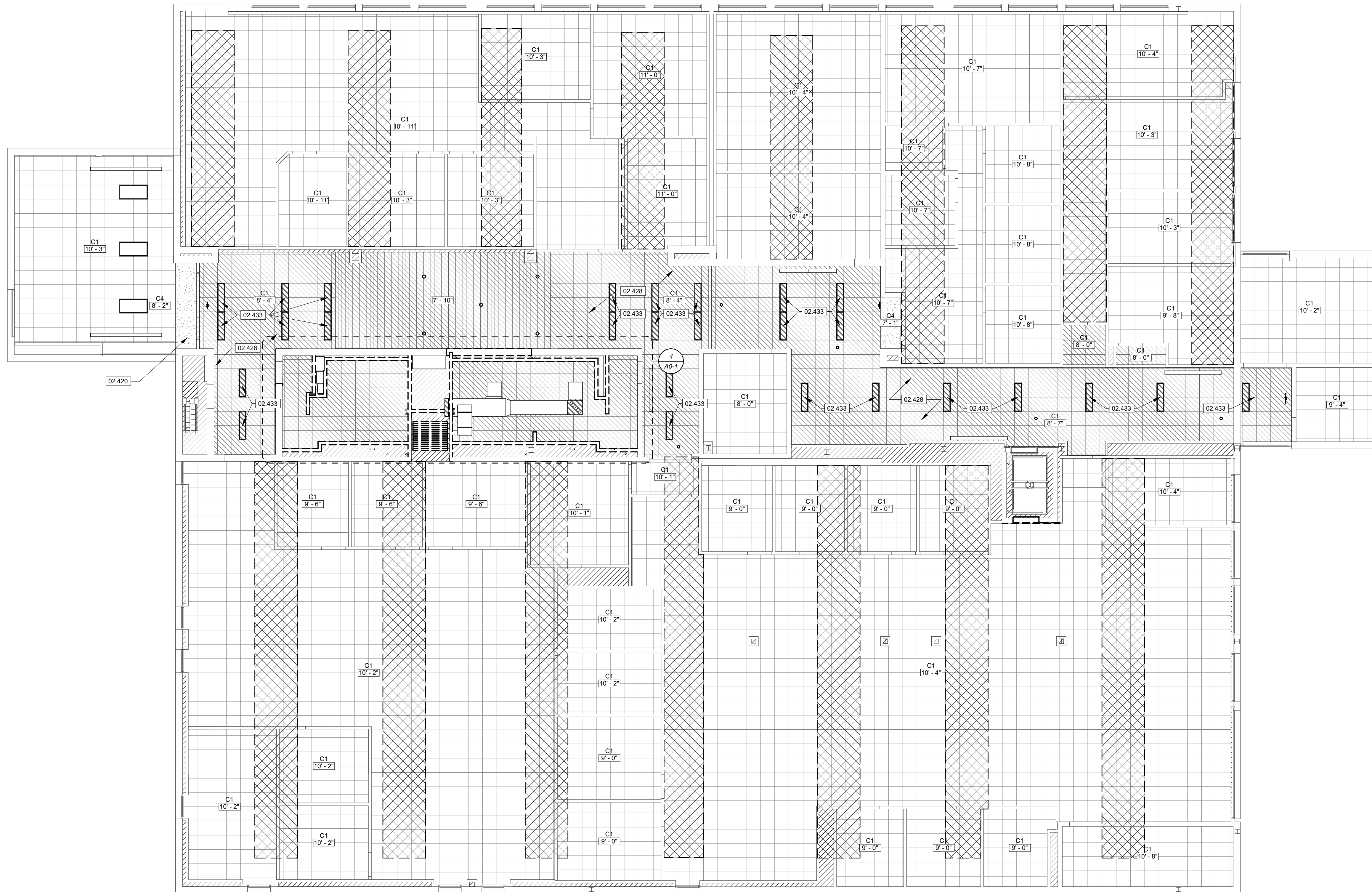
JARED A. YOUNGLOVE, ARCHITECT
MO # A-2017019282

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REVISION SCHEDULE

KEYNOTE LEGEND

- 02.420 EXISTING SOFFIT TO REMAIN.
- 02.428 CAREFULLY REMOVE AND SALVAGE EXISTING DIFFUSERS AND STORE FOR REINSTALLATION. SEE SECTION 02.4100 DEMOLITION.
- 02.433 REMOVE EXISTING LIGHT FIXTURES. SEE SECTION 02.4100 DEMOLITION.



CEILING DEMOLITION LEGEND

- FULLY REMOVE CEILING TILES AND GRID SYSTEM. NOTE LOCATION OF ALL LIGHTING FIXTURES AND DIFFUSERS. REMOVE AND STORE ALL LIGHTING AND DIFFUSERS TO BE REINSTALLED WITH NEW ACUSTICAL CEILING AFTER INSTALLATION OF SPRINKLER SYSTEM IS COMPLETE.
- CAREFULLY REMOVE AND STORE PORTION OF EXISTING CEILING GRID / TILES AS NECESSARY FOR SECONDARY SPRINKLER LINES. REINSTALL REMOVED PORTION AFTER INSTALLATION OF SPRINKLER SYSTEM IS COMPLETE. AREA SHOWN REPRESENTS AN APPROXIMATE LOCATION OF SECONDARY LINES FROM MAIN LINE. SEE MEP SHEETS FOR MORE INFORMATION.
- CAREFULLY REMOVE AND STORE EXISTING CEILING TILES AS NECESSARY TO COMPLETE THE INSTALLATION SPRINKLER SYSTEM. CEILING GRID IS TO REMAIN IN PLACE. REINSTALL CEILING TILES AFTER INSTALLATION OF SPRINKLER SYSTEM IS COMPLETE.

CONTRACTOR TO REVIEW REQUIRED DEMOLITION ON SITE AND PROVIDE BASE BID FOR EXPECTED AREA OF DEMO. CONTRACTOR TO PROVIDE ANTICIPATED REPLACEMENT AMOUNTS OF CEILING TILES BASED ON SCOPE OF WORK. PROVIDE FIELD VERIFICATION PRIOR TO START OF DEMOLITION WITH DEFINED AREA OF CEILING DEMO CORRESPONDING TO BASE BID AREA OF EXPECTED DEMO. CONTRACTOR TO RECEIVE APPROVAL FROM OWNER'S REP FOR REPLACEMENT GREATER THAN BASE BID AMOUNT PRIOR TO REMOVAL.

CONTRACTOR TO UNIT PRICING FOR THE FOLLOWING ITEMS:

- CEILING TILE REPLACEMENT
- CEILING GRID REPLACEMENT

CEILING DEMOLITION OF SECOND FLOOR MAY VARY ON FINAL EXTENT OF CEILING DEMOLITION COMPLETED DURING ROOF REPLACEMENT PROJECT.

DEMOLITION GENERAL NOTES

- THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY PARTITIONS AND TEMPORARY DOORS AS DEEMED NECESSARY BY THE ARCHITECT, ENGINEERS, AND OWNER. TEMPORARY DOORS SHALL BE WELL MAINTAINED AND ANY DAMAGE REPAIRED IMMEDIATELY TO AVOID MIGRATION OF DUST INTO ADJOINING AREAS. THE CONTRACTOR SHALL ERRECT AND MAINTAIN TEMPORARY DUST PROOF PARTITIONS TO LIMIT DUST AND NOISE FROM ENTERING ADJACENT OCCUPIED SPACES. DUST PROOF PARTITIONS SHALL BE CONSTRUCTED WITH WOOD STUD FRAMING, PLYWOOD, BATT INSULATION, AND POLYETHYLENE PLASTIC SHEETING AS NEEDED TO CREATE A DUST-PROOF BARRIER.
- THE CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK IN OCCUPIED SPACES INCLUDING ABOVE AND BELOW THE AREA OF WORK WITH SUB-CONTRACTORS AND OWNER. THE CONTRACTOR SHALL NOTIFY THE OWNER TWO WEEKS PRIOR TO COMMENCING DEMOLITION WORK. SPACES ADJACENT TO ABOVE, AND BELOW THE AREA OF WORK ARE INTENDED TO REMAIN OCCUPIED DURING DEMOLITION ACTIVITIES AND ALL WORK SHALL BE PERFORMED IN SUCH A MANNER AS TO MINIMIZE DISRUPTIONS TO OCCUPANTS. PROTECT EXISTING FLOOR FINISHES FROM CONSTRUCTION TRAFFIC THROUGH OCCUPIED AREAS. EXISTING WALL, FLOOR, AND CEILING FINISHES TO REMAIN SHALL BE PROTECTED AND ANY DAMAGE RESULTING FROM DEMOLITION WORK SHALL BE REPAIRED BY THE CONTRACTOR AT CONTRACTOR'S EXPENSE.
- EACH CONTRACTOR WILL BE EXPECTED TO STOP WORK IN AREAS ADJACENT TO OCCUPIED SPACES WHEN CONSTRUCTION NOISE, ODORS, AND/OR DUST INTERRUPTS NORMAL BUILDING OCCUPANCY.
- MAINTAIN PATH OF EGRESS AT ALL TIMES DURING CONSTRUCTION FOR EXISTING BUILDING OCCUPANTS. A MINIMUM CLEAR PATH OF EGRESS OF 4'-0" SHALL BE ENFORCED BY THE CONTRACTOR AT ALL TIMES.
- WHEN DEMOLITION CAUSES DAMAGE TO FLOOR, WALL, OR CEILING SURFACES THAT WILL REMAIN EXPOSED IN THE FINISHED WORK SUCH DAMAGE SHALL BE REPAIRED AS REQUIRED TO RECEIVE NEW FINISHES.
- CONTRACTOR SHALL PROTECT ANY EXISTING WALLS, DOORS, HARDWARE, LIGHTS, FIXTURES, FINISHES, CEILING, WINDOWS OR GLASS IN DOORS OR ANY OTHER EXISTING ELEMENTS TO REMAIN AND/OR DIRECTLY ADJACENT TO CONSTRUCTION AREAS. PROTECTION SHALL INCLUDE PLASTER OR OTHER SOLID PROTECTION AS NECESSARY TO PREVENT DAMAGE BY DEBRIS AND CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR SHALL COVER AND PROTECT OWNER'S EQUIPMENT WHICH CANNOT BE REMOVED FROM THE PROJECT AREA.
- CONTRACTOR SHALL COORDINATE ALL DEMOLITION WITH ANY PHASING AS REQUIRED TO COMPLETE THE WORK.
- WHERE EXTERIOR WALLS, DOORS, AND/OR WINDOWS ARE TO BE REMOVED OR MODIFIED THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO ENSURE THAT THE EXISTING BUILDING REMAINS SECURE, WEATHER-TIGHT, AND WITHOUT DRAFTS WHEN REMOVED.
- MAKE ALL DEMOLITION CLEAN AND COMPLETE AND IN A MANNER SUITABLE TO ACCEPT NEW FINISHES AND FINISHED SURFACES.
- REMOVE ALL EXISTING WALL MOUNTED ITEMS WITHIN THE PROJECT AREA WHICH ARE NOT NOTED TO REMAIN. THE CONTRACTOR SHALL DISPOSE OF THESE ITEMS AFTER INSPECTION BY THE OWNER FOR FUTURE USE OR STORAGE. IF ITEMS ARE REMOVED FROM WALLS THAT ARE TO REMAIN THE CONTRACTOR SHALL PATCH WALLS AS REQUIRED TO RECEIVE NEW FINISHES AND/OR FINISHED SURFACES.
- DEMOLITION FOR BUILDING SERVICES AND UTILITIES SHALL BE PERFORMED BY THE TRADE RESPONSIBLE FOR THAT UTILITY. FOR EXAMPLE, PLUMBING FIXTURES SHALL BE DEMOLISHED BY THE PLUMBING CONTRACTOR. OPENINGS FOR DEMOLISHED UTILITIES SHALL BE INFILLED BY TRADE RESPONSIBLE FOR PIPING, DUCT, OR CONDUIT DEMOLITION. OPENINGS THROUGH FIRE-RATED CONSTRUCTION SHALL BE PATCHED TO MATCH EXISTING CONSTRUCTION OR BE FIRESTOPPED AS REQUIRED BY APPLICABLE CODES.
- REROUTE OR TERMINATE ALL CONNECTIONS OF BUILDING SYSTEMS PRIOR TO DEMOLITION. EXISTING BUILDING SYSTEMS SHALL REMAIN ACTIVE AT ALL TIMES OF REGULAR BUILDING USE UNLESS PROPERLY SCHEDULED, AND TEMPORARY SHUTDOWN IS COORDINATED AND APPROVED BY OWNER AND CONTRACTOR.
- IF CONTRACTOR ENCOUNTERS DEMOLITION WHICH IS STRUCTURAL AND/OR LOAD BEARING THAT HAS NOT BEEN IDENTIFIED IN DRAWINGS AS LOAD BEARING THE CONTRACTOR MUST CONTACT ARCHITECT IMMEDIATELY AND DOCUMENT CONDITIONS IN WRITING.
- PROVIDE TEMPORARY SHORING OR BRACING OF EXISTING STRUCTURAL SYSTEMS AS REQUIRED FOR INSTALLATION OF NEW CONSTRUCTION.
- SEE FLOOR PLANS, ELEVATIONS, DETAILS, AND OTHER DRAWINGS INCLUDED HEREIN FOR NEW CONSTRUCTION AND ITS EFFECT ON DEMOLITION ITEMS DESCRIBED HEREIN.
- SEE SPECIFICATIONS FOR DISPOSAL OR SALVAGE OF ALL DEMOLISHED MATERIALS AND DEBRIS. ALL DEMOLISHED ITEMS AND MATERIALS THAT ARE NOT TURNED OVER TO OWNER SHALL BE REMOVED FROM THE BUILDING AND PROJECT SITE AND DISPOSED OF OFF-SITE IN A PROPER AND LEGAL MANNER.
- DEMOLITION IDENTIFIED AS "COMPLETE" IS TO BE FULLY DEMOLISHED INCLUDING ASSOCIATED FASTENERS, MASTIC, BLOCKING, AND ACCESSORIES TO THAT ITEM OR ITEMS.
- ANY ITEM OR ITEMS INDICATED TO BE SALVAGED FOR REINSTALLATION OR TURNED OVER TO OWNER SHOULD BE PHOTOGRAPHED AND COPIES OF THE PHOTOGRAPHS SENT TO THE ARCHITECT AND OWNER WITHIN 10 DAYS OF REMOVAL. ITEMS TO BE SALVAGED SHALL BE CAREFULLY REMOVED AND PROPERLY STORED BY CONTRACTOR UNTIL TURNED OVER TO OWNER. COORDINATE STORAGE AND TIMELINE WITH OWNER FOR TRANSFER OF SALVAGED ITEMS TO OWNER.
- IF CONTRACTOR ENCOUNTERS HAZARDOUS MATERIALS, THEN THE WORK IN THE AREA IS TO BE SUSPENDED AND CONTRACTOR MUST NOTIFY THE ARCHITECT AND ARCHITECT FOR MATERIAL TESTING IN WRITING.

1

DEMOLITION REFLECTED CEILING PLAN SECOND LEVEL

SCALE 1/8" = 1'-0"

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PROJECT DESCRIPTION:
CENTENNIAL HALL IMPROVEMENTS AND RENOVATION

PROJECT ARCHITECT: JY
DRAWN BY: EBP, GCM, KS
CHECKED BY: JY, EBP

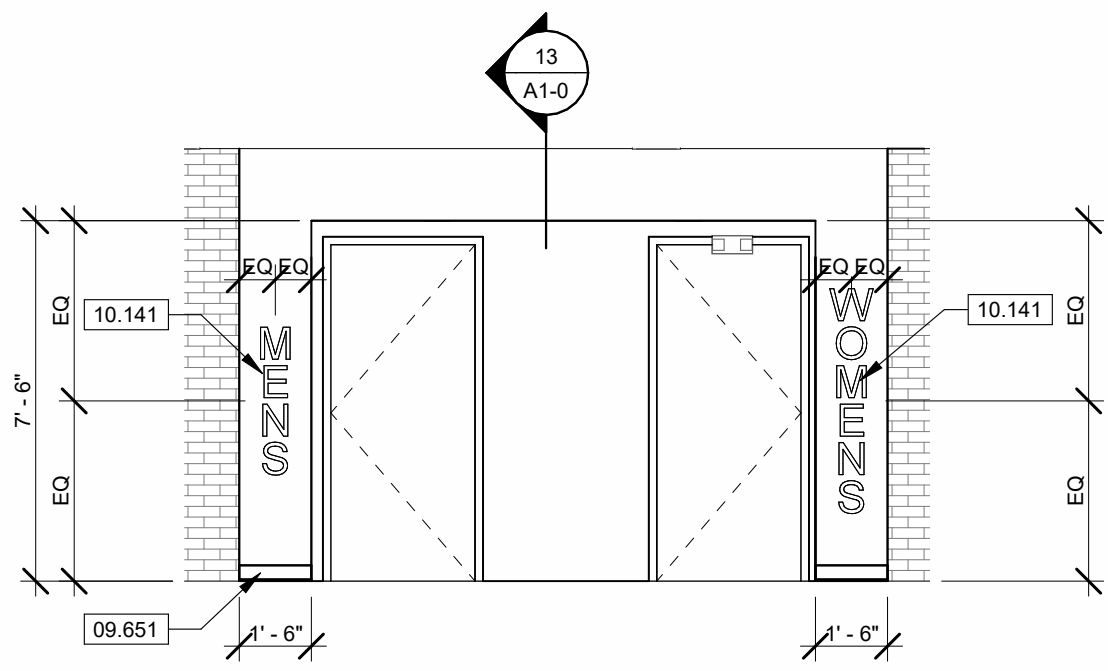
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22-703A
RC000638

DATE:
08/28/2023

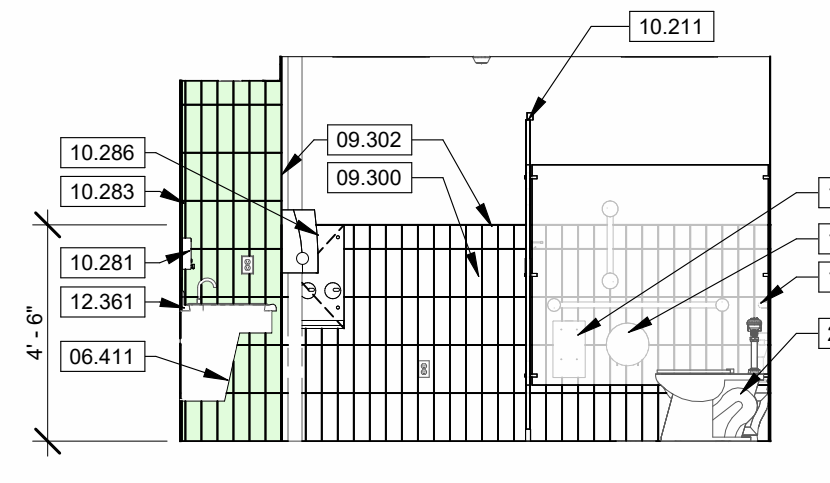
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SHEET NUMBER:
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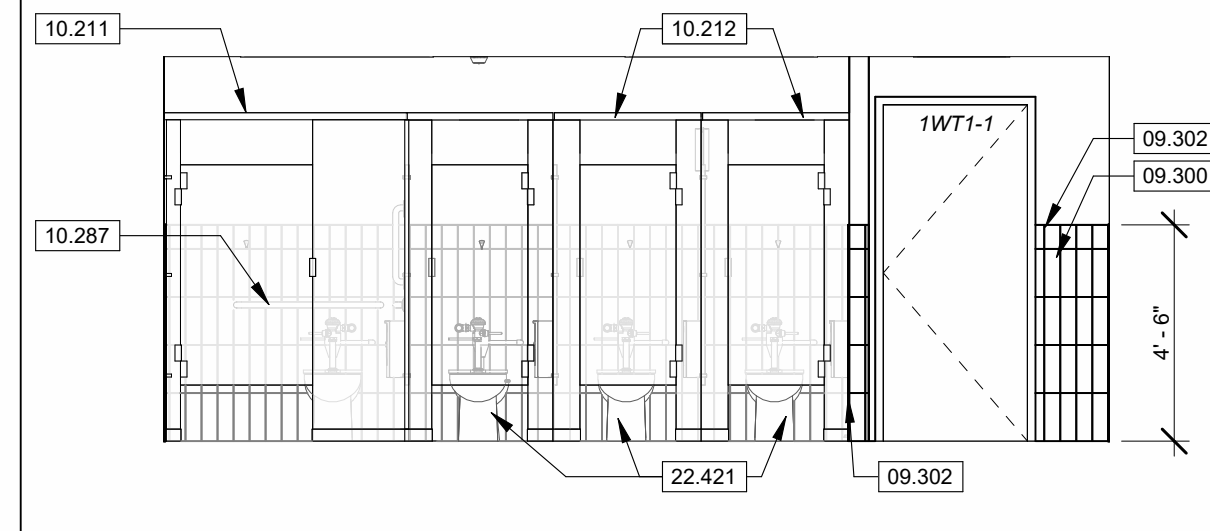
300 W. 12TH STREET
ROLLA, MO 65409



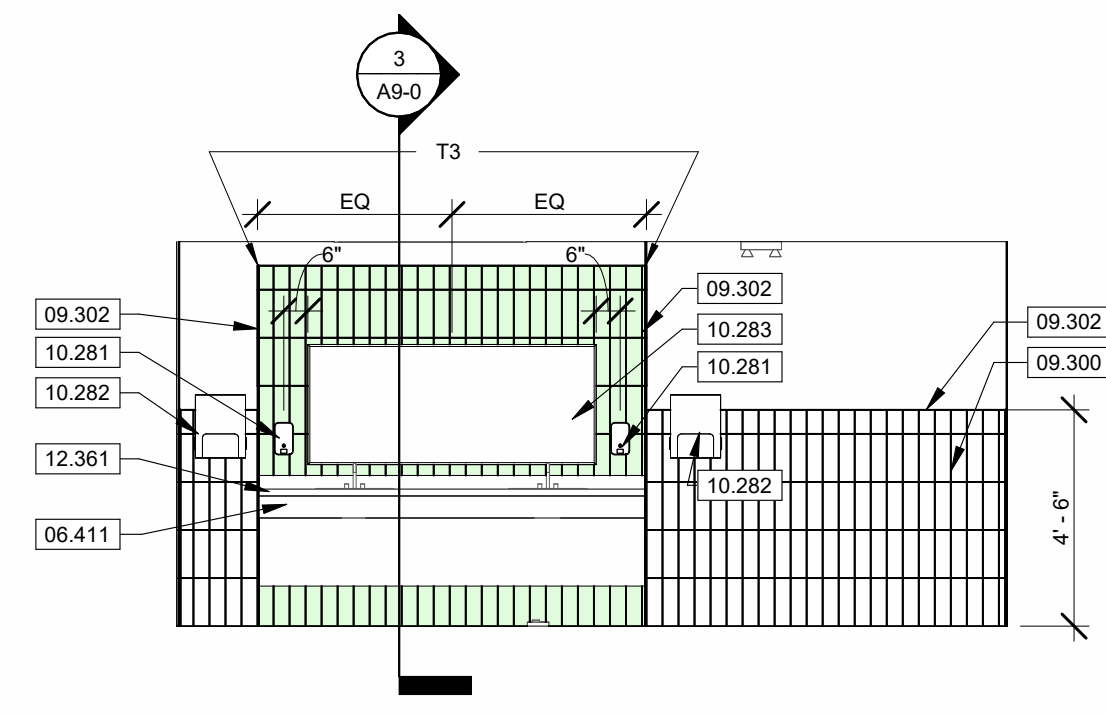
14 RESTROOM ENTRY
SCALE 1/4" = 1'-0"



10 1WT1 - WEST
SCALE 1/4" = 1'-0"



7 1WT1 - NORTH
SCALE 1/4" = 1'-0"



4 1MT1 - SOUTH
SCALE 1/4" = 1'-0"

KEYNOTE LEGEND

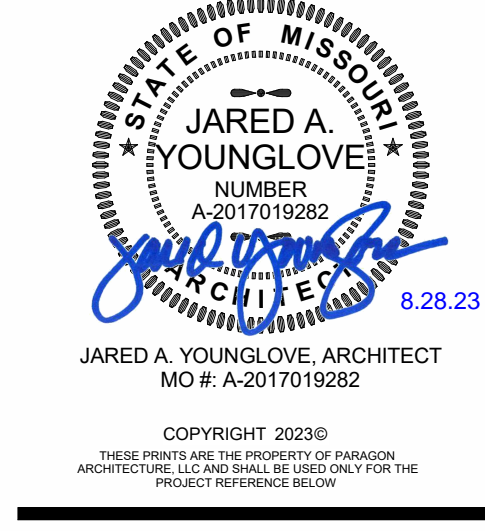
06.131	PRESSURE-TREATED WOOD BLOCKING. SEE SECTION 06.1010 NON-STRUCTURAL ROUGH CARPENTRY.
06.411	PLASTIC LAMINATE FACED ARCHITECTURAL CASEWORK. SEE FINISH PLAN LEGEND FOR ADDITIONAL INFORMATION. SEE SECTION 06.4100 ARCHITECTURAL CASEWORK.
07.215	FILL CAVITY WITH UNFACED R-21 BATT INSULATION. SEE SECTION 07.2100 THERMAL INSULATION.
07.922	CONTINUOUS BACKER ROD AND SEALANT. SEE SECTION 07.9200 JOINT SEALANTS.
09.211	3-6" METAL STUD FRAMING AT 16" ON CENTER MAXIMUM. SEE SECTION 09.2116 GYPSUM BOARD ASSEMBLIES.
09.214	5/8" GYPSUM BOARD. SEE SECTION 09.2116 GYPSUM BOARD ASSEMBLIES.
09.216	ALIGN FINISH FACE OF NEW WALL ASSEMBLY WITH FINISH FACE OF EXISTING WALL. SEE SECTION 09.2116 GYPSUM BOARD ASSEMBLIES.
09.217	SET INTERIOR FACE OF NEW STUD FRAMING AGAINST EXISTING WALL. SEE SECTION 09.2116 GYPSUM BOARD ASSEMBLIES.
09.300	TILING. SEE SECTION 09.3000 TILING.
09.302	WALL TILE TRIM. SEE FINISH PLAN LEGEND FOR MORE INFORMATION.
09.511	ACOUSTICAL TILE CEILING. SEE SECTION 09.5100 ACOUSTICAL CEILINGS.
09.651	RESILIENT VINYL BASE. SEE FINISH SCHEDULE AND FINISH PLANS FOR MORE INFORMATION. SEE SECTION 09.6500 RESILIENT FLOORING.
10.141	DIMENSIONAL LETTERING. BASIS OF DESIGN: WOODLAND MANUFACTURING, MDF PAINTED LETTERS. 8" LETTER HEIGHT. FONT: CUSTOM. PAINT: CUSTOM PTS. WALL MOUNTED. PROVIDE PAPER TEMPLATE. SEE SECTION 10.1400 SIGNAGE.
10.211	PLASTIC ADA TOILET COMPARTMENT WITH H. SEE SECTION 10.2113.19 PLASTIC TOILET COMPARTMENTS.
10.212	PLASTIC TOILET COMPARTMENT. SEE SECTION 10.2113.19 PLASTIC TOILET COMPARTMENTS.
10.281	OFICI SOAP DISPENSER. SEE SECTION 10.2800 TOILET, BATH AND LAUNDRY ACCESSORIES.
10.282	OFICI PAPER TOWEL DISPENSER. SEE SECTION 10.2800 TOILET, BATH AND LAUNDRY ACCESSORIES.
10.283	72" WIDE X 30" HIGH PLATE GLASS MIRROR. SEE SECTION 10.2800 TOILET, BATH AND LAUNDRY ACCESSORIES.
10.284	OFICI TOILET PAPER DISPENSER. SEE SECTION 10.2800 TOILET, BATH AND LAUNDRY ACCESSORIES.
10.285	SANITARY NAPKIN DISPOSAL. SEE SECTION 10.2800 TOILET, BATH AND LAUNDRY ACCESSORIES.
10.286	SANITARY NAPKIN DISPENSER. SEE SECTION 10.2800 TOILET, BATH AND LAUNDRY ACCESSORIES.
10.287	ADA GRAB BARS. SEE SECTION 10.2800 TOILET, BATH AND LAUNDRY ACCESSORIES.
10.442	CFCI FULLY RECESSED FIRE EXTINGUISHER CABINET. FIRE EXTINGUISHER SHALL BE PROVIDED AND INSTALLED BY OWNER. COORDINATE CABINET SIZE WITH OWNER-PROVIDED EXTINGUISHER. SEE SECTION 10.4400 FIRE PROTECTION SPECIALTIES.
12.361	QUARTZ COUNTERTOP. SEE FINISH LEGEND FOR MORE INFORMATION. SEE SECTION 12.3600 COUNTERTOPS.
22.002	MOP SINK. SEE MEP. SEE DIVISION 22.0000 SPECIFICATIONS.
22.301	WATER HEATER. SEE MEP. SEE DIVISION 22.0000 SPECIFICATIONS.
22.421	FLUSH VALVE WATER CLOSET. SEE MEP. SEE DIVISION 22.0000 SPECIFICATIONS.
22.431	WALL MOUNTED URINAL. SEE MEP. SEE DIVISION 22.0000 SPECIFICATIONS.



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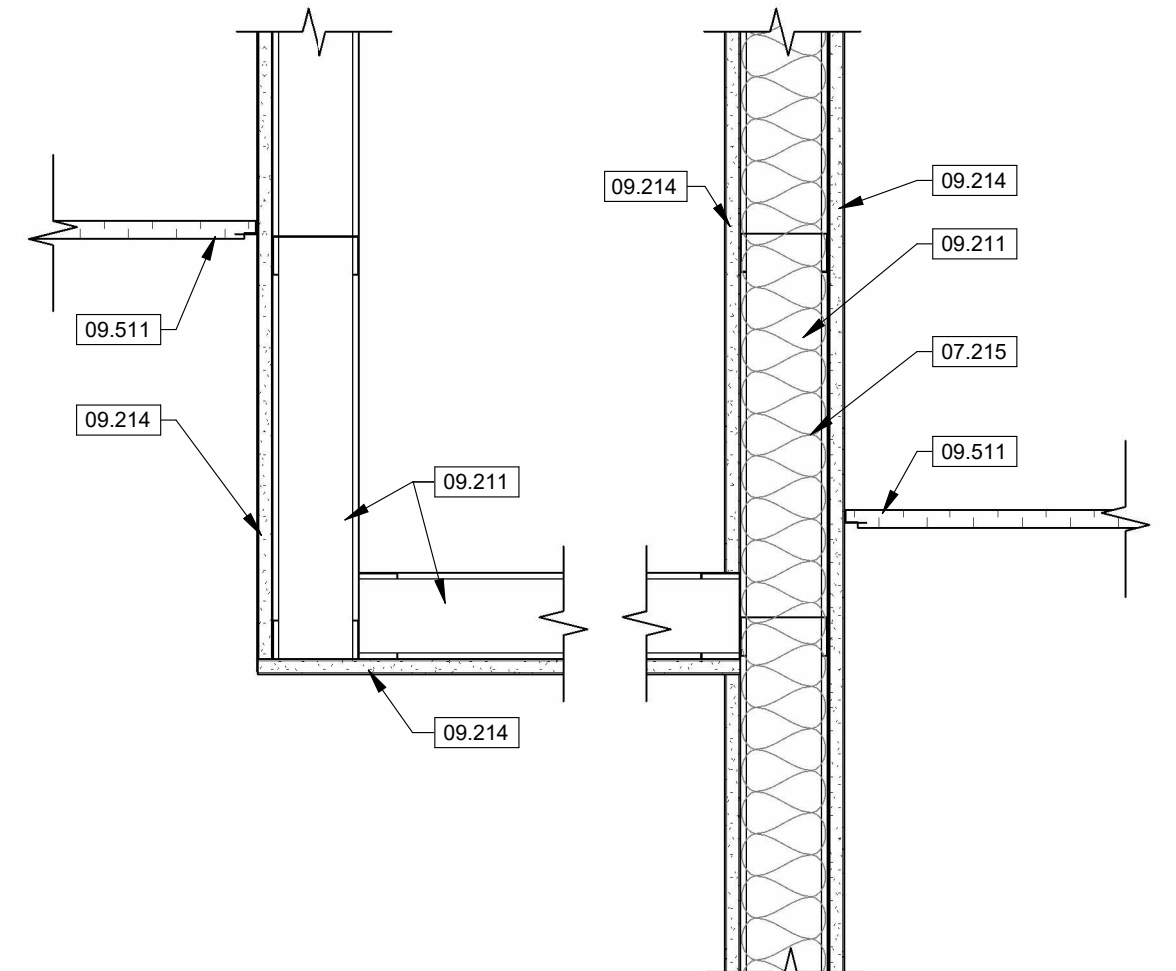
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CREVE COEUR, MISSOURI 63141
314.441.3999

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ARCHER-ELGIN
310 E. 6TH STREET
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573.364.6362

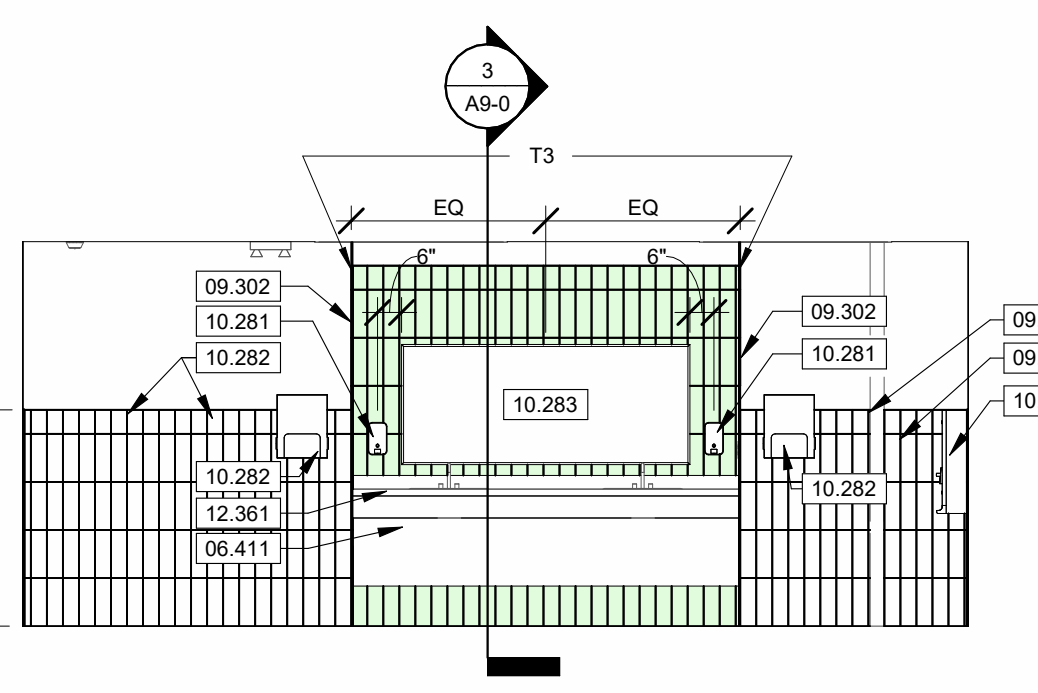


REVISION SCHEDULE

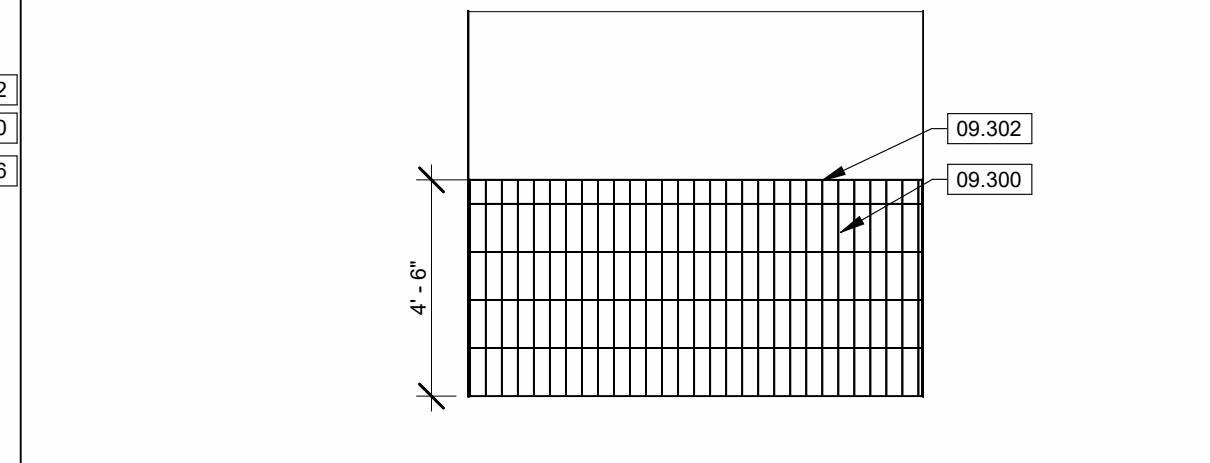
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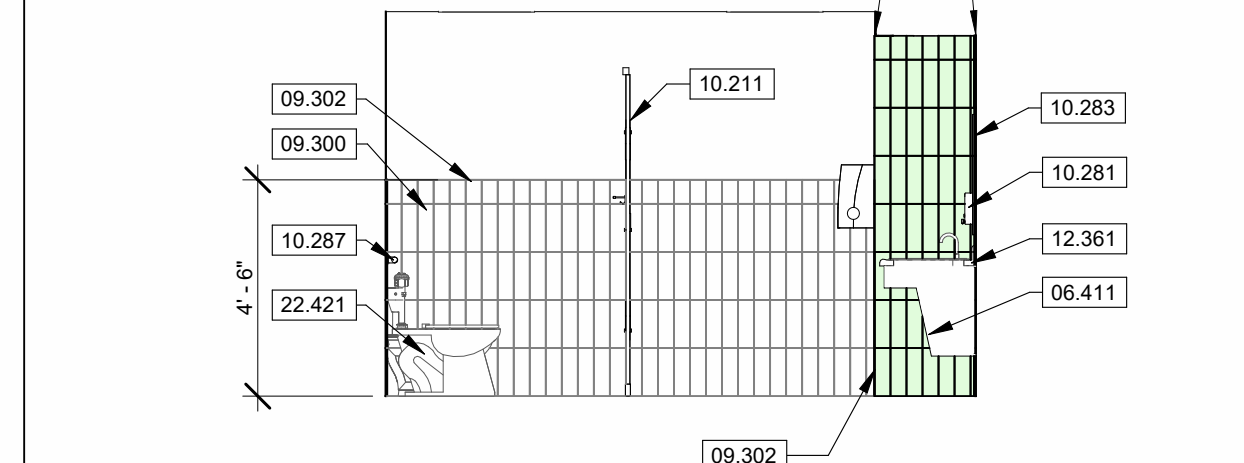
13 RESTROOM SOFFIT DETAIL
SCALE 1 1/2" = 1'-0"



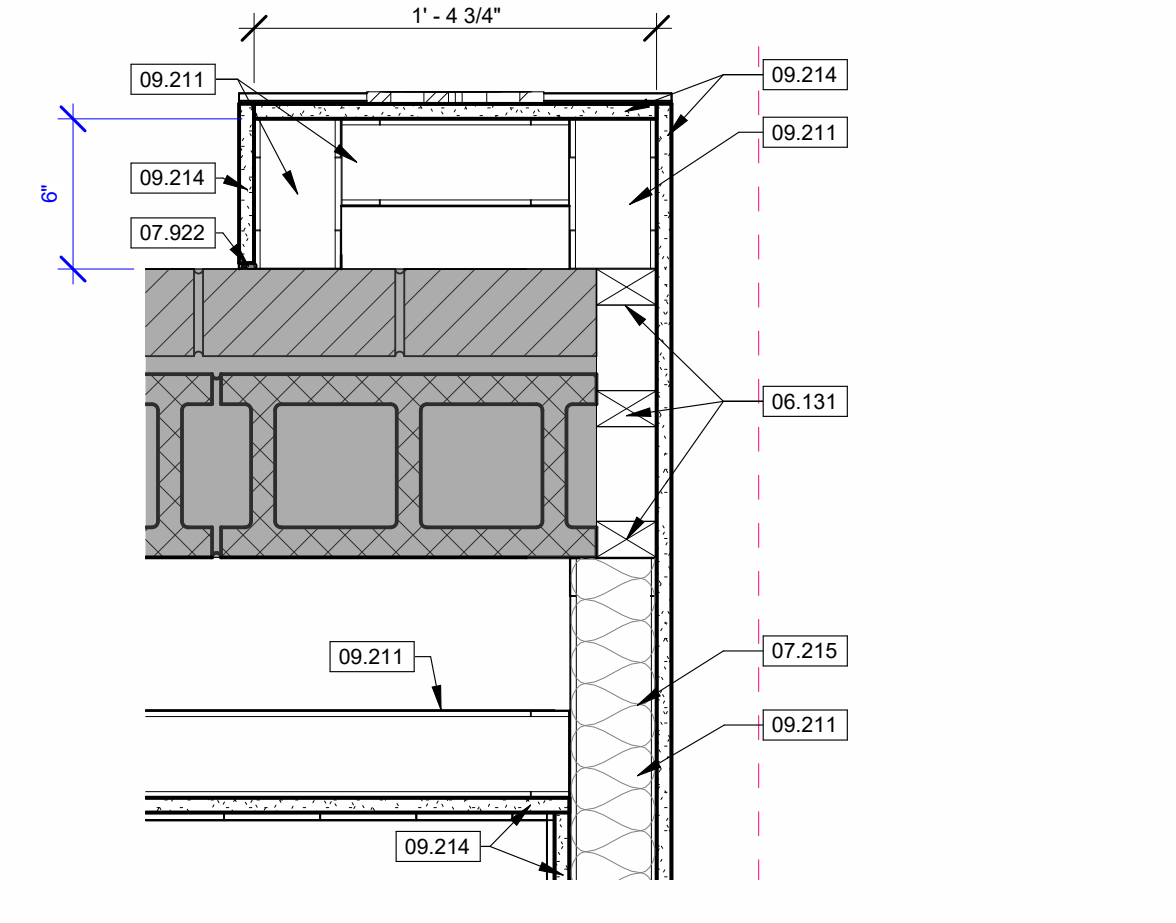
9 1WT1 - SOUTH
SCALE 1/4" = 1'-0"



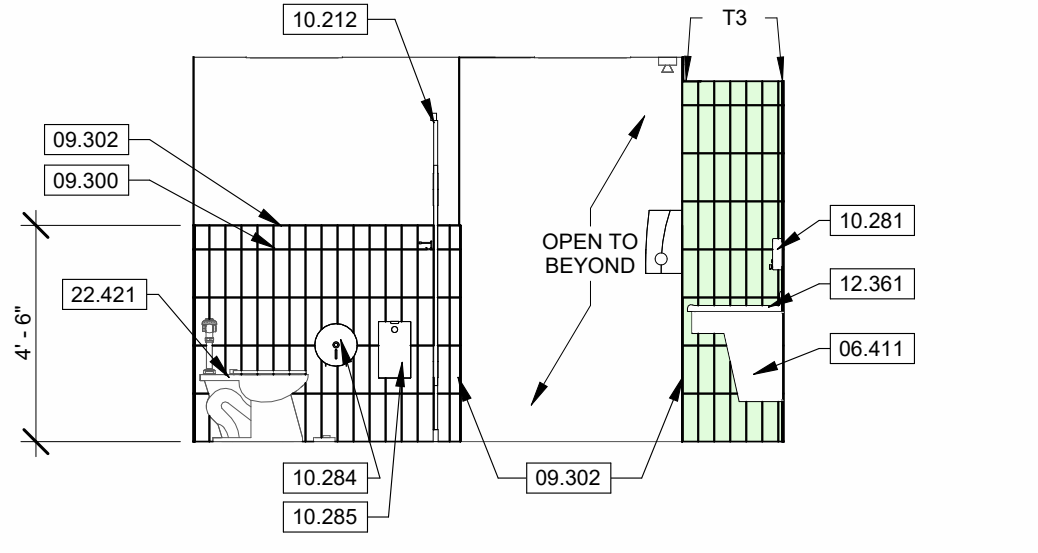
6 1MT1 - ENTRY WALL
SCALE 1/4" = 1'-0"



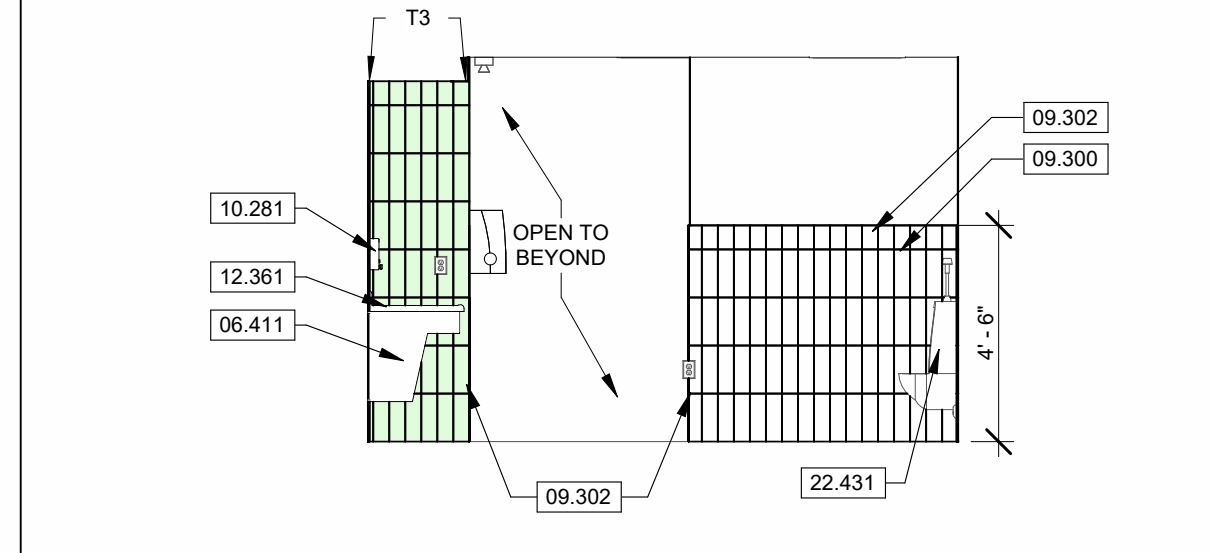
3 1MT1 - EAST
SCALE 1/4" = 1'-0"



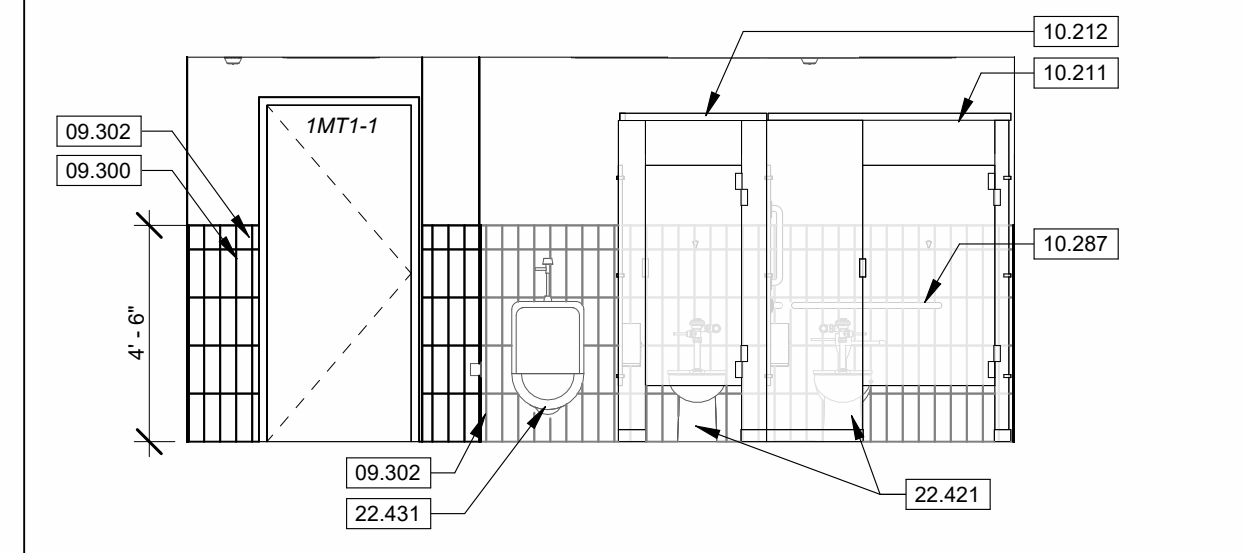
12 BRICK/STUD DTL 2
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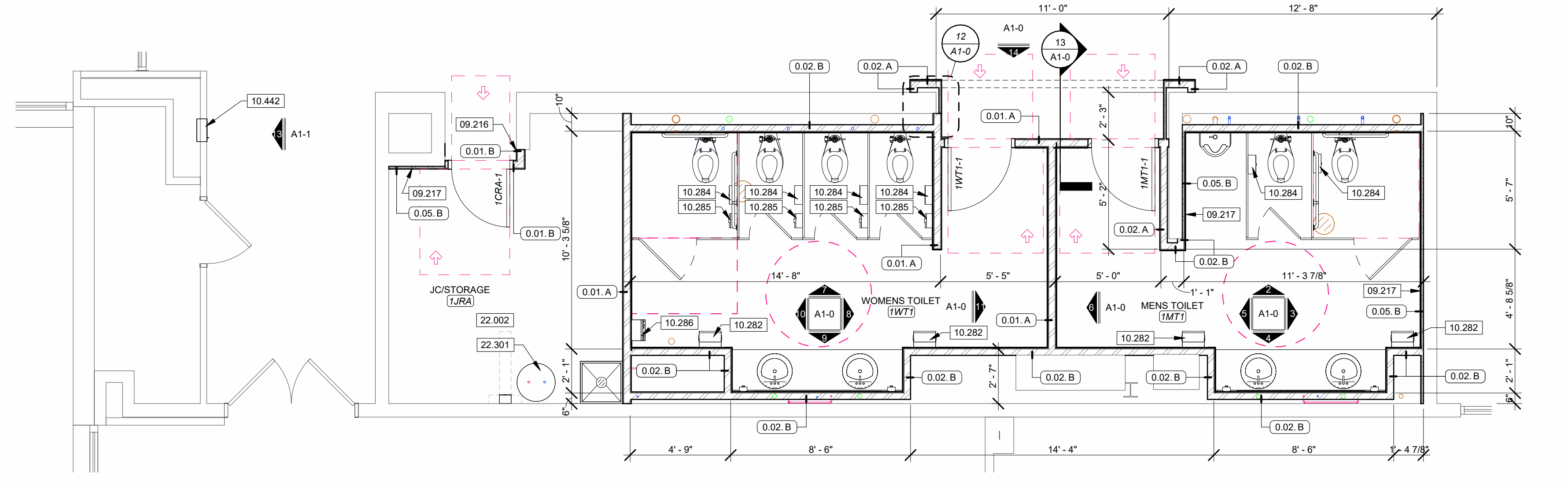
8 1WT1 - EAST
SCALE 1/4" = 1'-0"



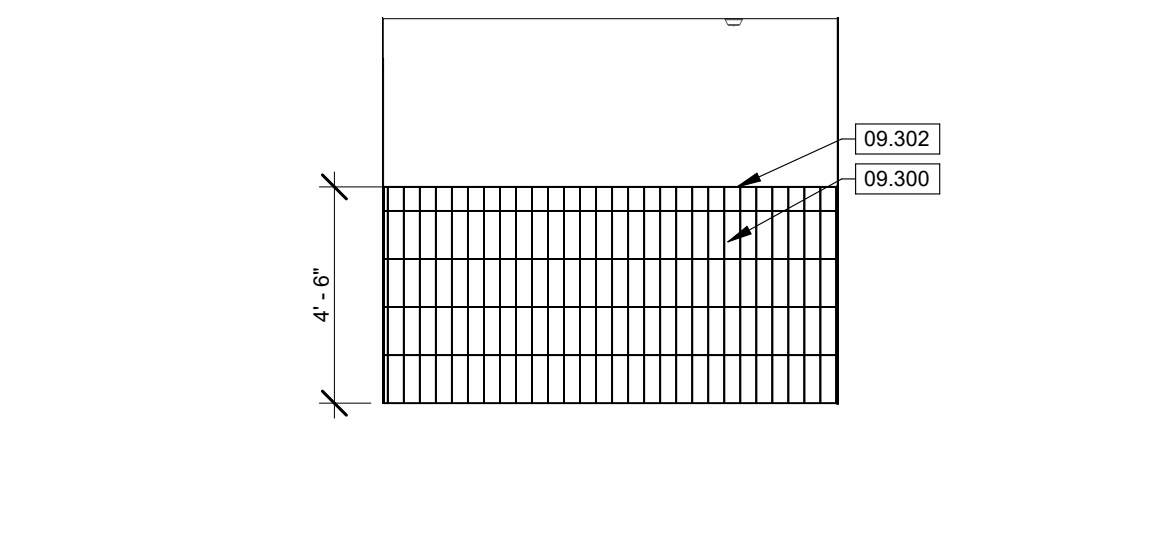
5 1MT1 - WEST
SCALE 1/4" = 1'-0"



2 1MT1 - NORTH
SCALE 1/4" = 1'-0"



1 FIRST FLOOR RESTROOM PLANS
SCALE 1/4" = 1'-0"



11 1WT1 - ENTRY WALL
SCALE 1/4" = 1'-0"

INTERIOR ELEVATION GENERAL NOTES

- CONTRACTOR SHALL PROVIDE MOCK UP OF ALL TOILET ACCESSORY MOUNTING FOR REVIEW AND APPROVAL BY OWNER AND ARCHITECT PRIOR TO INSTALLATION.
- REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS TO COORDINATE CONNECTIONS WITH EQUIPMENT.
- ALL DIMENSIONS ON INTERIOR ELEVATIONS ARE TAKEN TO AND FROM THE FACES OF FINISHED MATERIAL.
- INSTALL WOOD BLOCKING TO WALL STRUCTURE TO SUPPORT ALL WALL-MOUNTED CASEWORK, ACCESSORIES, AND EQUIPMENT AS REQUIRED BY OWNER AND AS RECOMMENDED BY MANUFACTURER.
- CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION OF CASEWORK.
- PROVIDE FILLER PANELS AT ALL LOCATIONS WHERE CABINETRY ABUTS A WALL.
- PROVIDE A 4" HIGH BACK SPLASHES AND SIDE SPLASHES ON ALL COUNTERS WITH SINKS, UNLESS NOTED OTHERWISE.
- COORDINATE ALL WALL OUTLETS TO AVOID CONFLICT WITH CASEWORK.
- FIRE RATINGS OF WALLS ARE TO BE STENCIL PAINTED ONTO WALLS IN NON-VISIBLE LOCATIONS AND ABOVE CEILINGS. PROVIDE STENCILS NO LESS THAN 20'-0" ON CENTER AND NO MORE THAN 30'-0" ON CENTER.

FLOOR PLAN GENERAL NOTES

- ALL DIMENSIONS INDICATED IN CONTRACT DOCUMENTS ARE FROM FACE OF STUD TO FACE OF STUD FOR INTERIOR PARTITIONS, FACE OF EXISTING STRUCTURE OR FINISH FACE OF CONCRETE OR BLOCK, OR TO STRUCTURAL LINE, EXCEPT AS NOTED OTHERWISE. DIMENSIONS OF EXISTING STRUCTURE ARE NOTED "E" AND SHOULD BE FIELD VERIFIED PRIOR TO COMMENCEMENT OF WORK AND THE ARCHITECT NOTIFIED OF ANY DISCREPANCIES IN WRITING.
- CONTRACTOR SHALL COORDINATE ALL MECHANICAL, ELECTRICAL, AND PLUMBING WORK. CONTRACTOR TO PROVIDE ALL NECESSARY CONSTRUCTION TO FACILITATE WORK INCLUDING BUT NOT LIMITED TO ROUGH OPENINGS, EQUIPMENT SUPPORTS, AND BACKING.
- PROVIDE SOLID WOOD BLOCKING AS REQUIRED TO INSTALL EQUIPMENT AND CASEWORK. VERIFY WITH OWNER FOR ALL ADDITIONAL OWNER FURNISHED ITEMS THAT REQUIRE BLOCKING.
- INTERIOR DOORS TO BE LOCATED 5' AWAY FROM ADJACENT CORNERS, UNLESS NOTED OTHERWISE.
- SEE CODE COMPLIANCE PLAN FOR FIRE EXTINGUISHER AND SIGNAGE REQUIREMENTS AND LOCATIONS.

PROJECT DESCRIPTION:
CENTENNIAL HALL IMPROVEMENTS AND RENOVATION
 300 W. 12TH STREET
 ROLLA, MO 65409

PROJECT ARCHITECT: JY
 DRAWN BY: EBP, CSM, KS
 CHECKED BY: JY, EBP

PROJECT NUMBER:
 22-703A
 RC000638

DATE:
 08/28/2023

FIRST FLOOR PLAN AND ELEVATIONS

SHEET NUMBER:
A1-0

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REVISION SCHEDULE

PROJECT DESCRIPTION:
CENTENNIAL HALL IMPROVEMENTS AND RENOVATION
300 W. 12TH STREET
ROLLA, MO 65409

PROJECT ARCHITECT: JY
DRAWN BY: EBP, CSM, KS,
CHECKED BY: DRW/EP

PROJECT NUMBER:
22-703A
RC000638

DATE:
08/28/2023

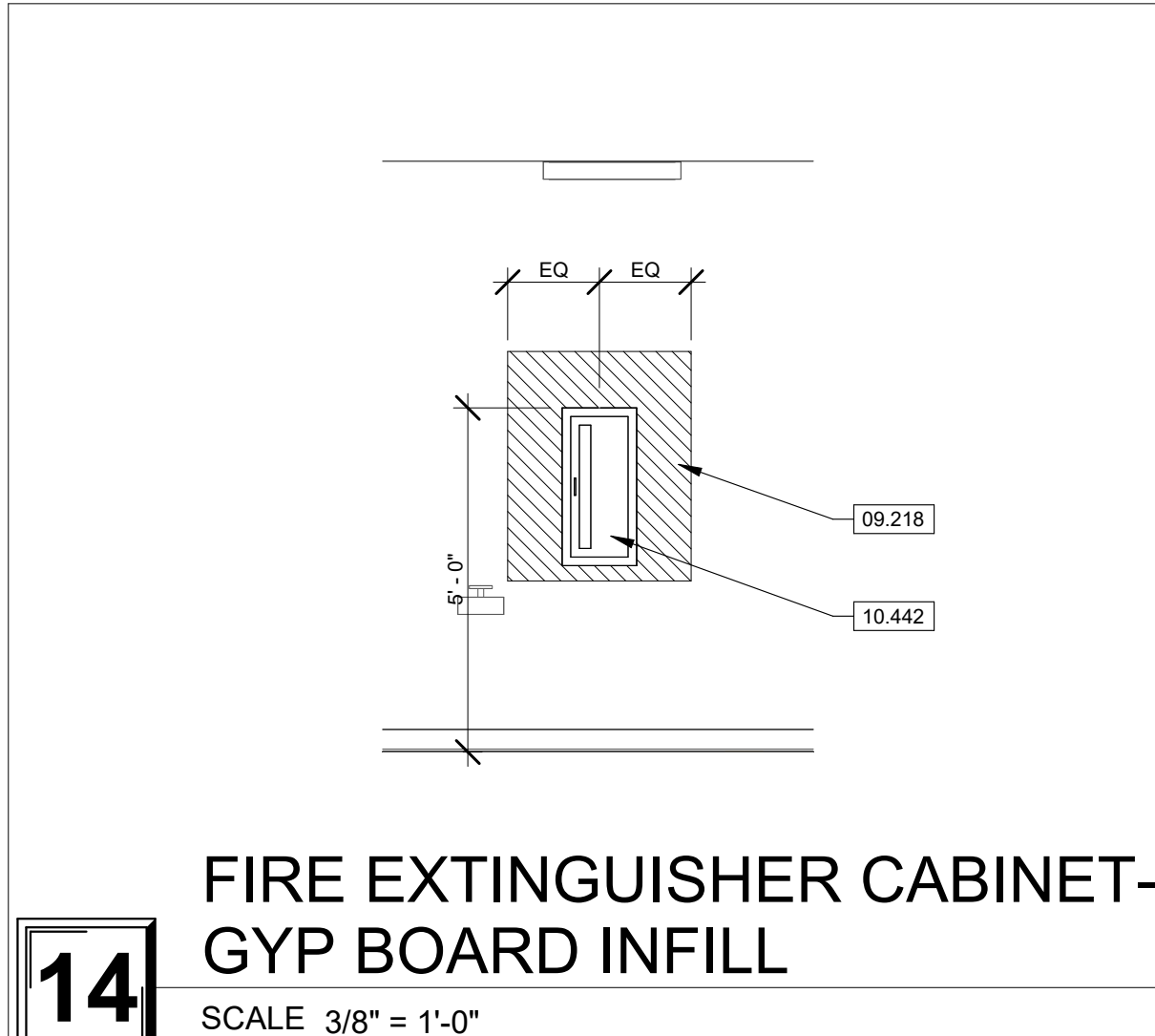
SECOND FLOOR PLAN AND ELEVATIONS

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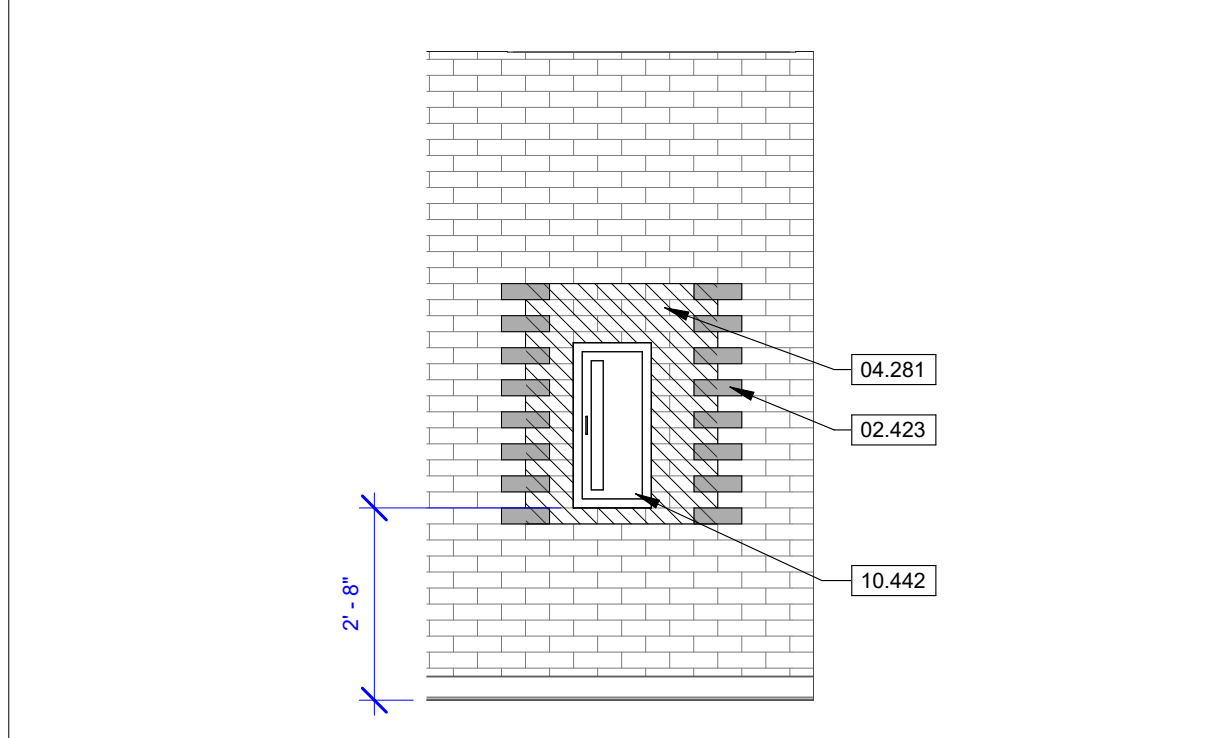
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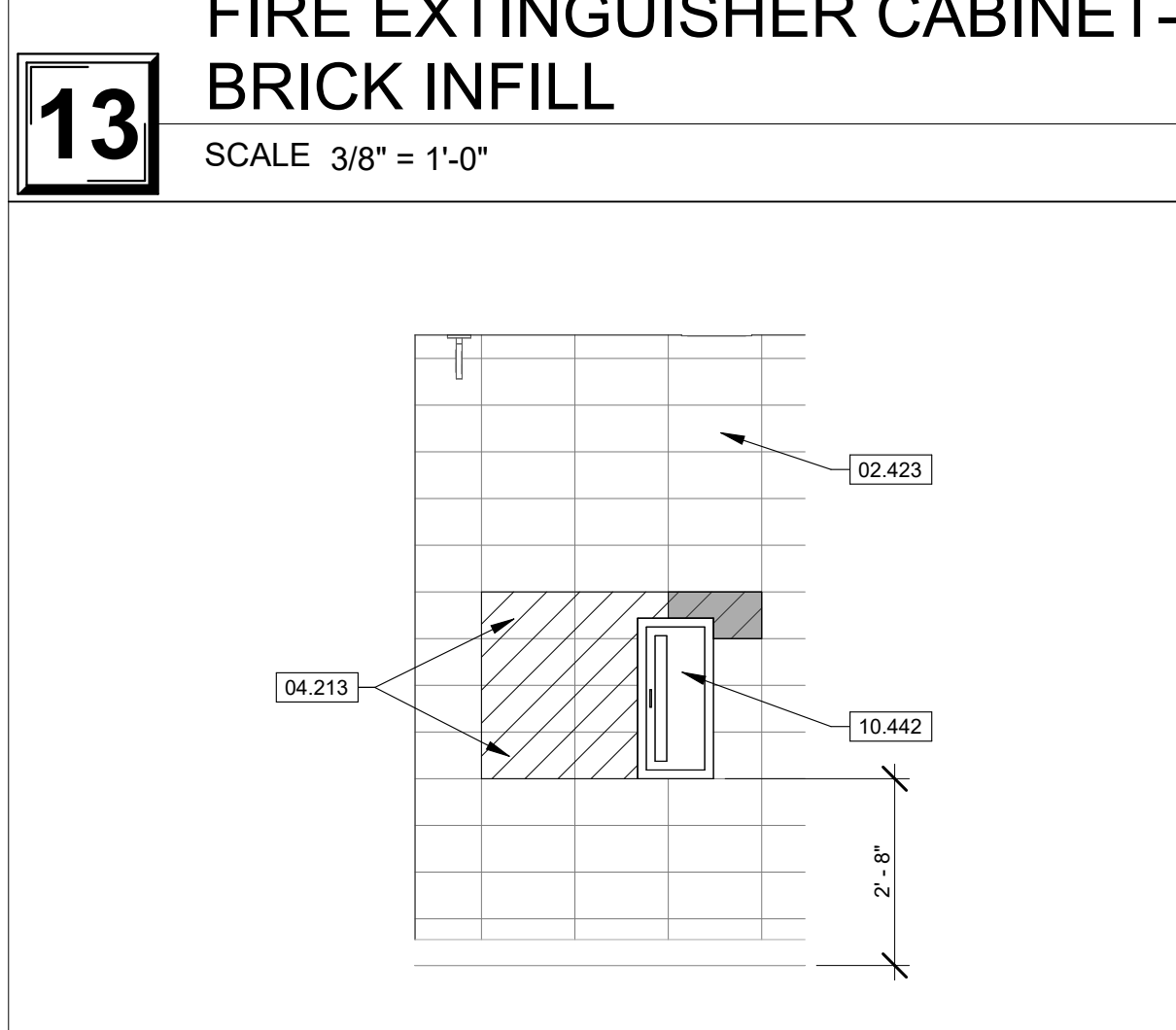
- 02.423 REMOVE EXISTING MASONRY TO ALLOW FOR NEW UNITS TO BE TOOTHED INTO PLACE. SEE SECTION 02.4100 DEMOLITION.
- 04.011 GO TO CLEAN EXISTING BRICK WALL AFTER REMOVAL OF EXISTING WOOD FEATURE. SEE SECTION 04.0100 MAINTENANCE OF MASONRY.
- 04.012 GO TO EVALUATE CONDITION OF EXISTING BRICK WALL AFTER REMOVAL OF EXISTING WOOD WALL FEATURE. AT OWNER'S DIRECTION, GO TO PROVIDE BRICK REPLACEMENT AND TUCKPOINTING AS NECESSARY. SEE SECTION 04.0100 MAINTENANCE OF MASONRY.
- 04.213 INFILL EXISTING OPENING FROM FIRE HOSE CABINET DEMOLITION WITH 8" X 8" X 16" CONCRETE MASONRY UNIT. PAINT TO MATCH EXISTING ADJACENT FINISH. CUT BLOCK AS NECESSARY TO SURROUND NEW FIRE EXTINGUISHER CABINET. SEE SECTION 04.2000 UNIT MASONRY.
- 04.281 INFILL EXISTING OPENING FROM FIRE HOSE CABINET DEMOLITION WITH SALVAGED BRICK FROM RESTROOM DEMOLITIONS. BRICK TO BE TOOTHED INTO PLACE TO PROVIDE A STANDARD GROUT LAYOUT. SEE SECTION 04.2613 MASONRY VENEER.
- 06.411 PLASTIC LAMINATE FACED ARCHITECTURAL CASEWORK. SEE FINISH PLAN LEGEND FOR ADDITIONAL INFORMATION. SEE SECTION 06.4100 ARCHITECTURAL CASEWORK.
- 09.218 INFILL EXISTING OPENING FROM FIRE HOSE CABINET DEMOLITION WITH 5/8" GYPSUM BOARD OVER 5/8" METAL STUD FRAMING AT 16" ON CENTER MAXIMUM. SEE SECTION 09.2116 GYPSUM BOARD ASSEMBLIES.
- 09.300 TILING. SEE SECTION 09.3000 TILING.
- 09.302 WALL TILE TRIM. SEE FINISH PLAN LEGEND FOR MORE INFORMATION.
- 10.211 PLASTIC ADA TOILET COMPARTMENT WITH H. SEE SECTION 10.2113.19 PLASTIC TOILET COMPARTMENTS.
- 10.212 PLASTIC TOILET COMPARTMENT. SEE SECTION 10.2113.19 PLASTIC TOILET COMPARTMENTS.
- 10.281 OFCI SOAP DISPENSER. SEE SECTION 10.2800 TOILET, BATH AND LAUNDRY ACCESSORIES.
- 10.282 OFCI PAPER TOWEL DISPENSER. SEE SECTION 10.2800 TOILET, BATH AND LAUNDRY ACCESSORIES.
- 10.283 72" WIDE X 30" HIGH PLATE GLASS MIRROR. SEE SECTION 10.2800 TOILET, BATH AND LAUNDRY ACCESSORIES.
- 10.284 OFCI TOILET PAPER DISPENSER. SEE SECTION 10.2800 TOILET, BATH AND LAUNDRY ACCESSORIES.
- 10.285 SANITARY NAPKIN DISPOSAL. SEE SECTION 10.2800 TOILET, BATH AND LAUNDRY ACCESSORIES.
- 10.286 SANITARY NAPKIN DISPENSER. SEE SECTION 10.2800 TOILET, BATH AND LAUNDRY ACCESSORIES.
- 10.287 ADA GRAB BARS. SEE SECTION 10.2800 TOILET, BATH AND LAUNDRY ACCESSORIES.
- 10.442 CFCE FULLY RECESSED FIRE EXTINGUISHER CABINET. FIRE EXTINGUISHER SHALL BE PROVIDED AND INSTALLED BY OWNER. COORDINATE CABINET SIZE WITH OWNER-PROVIDED EXTINGUISHER. SEE SECTION 10.4400 FIRE PROTECTION SPECIALTIES.
- 10.443 CFCE SURFACE MOUNTED FIRE EXTINGUISHER CABINET. FIRE EXTINGUISHER SHALL BE PROVIDED AND INSTALLED BY OWNER. COORDINATE CABINET SIZE WITH OWNER-PROVIDED EXTINGUISHER. SEE SECTION 10.4400 FIRE PROTECTION SPECIALTIES.
- 12.361 QUARTZ COUNTERTOP. SEE FINISH LEGEND FOR MORE INFORMATION. SEE SECTION 12.3600 COUNTERTOPS.
- 22.002 MOP SINK. SEE MEP. SEE DIVISION 22.0000 SPECIFICATIONS.
- 22.421 FLUSH VALVE WATER CLOSET. SEE MEP. SEE DIVISION 22.0000 SPECIFICATIONS.
- 22.431 WALL MOUNTED URINAL. SEE MEP. SEE DIVISION 22.0000 SPECIFICATIONS.



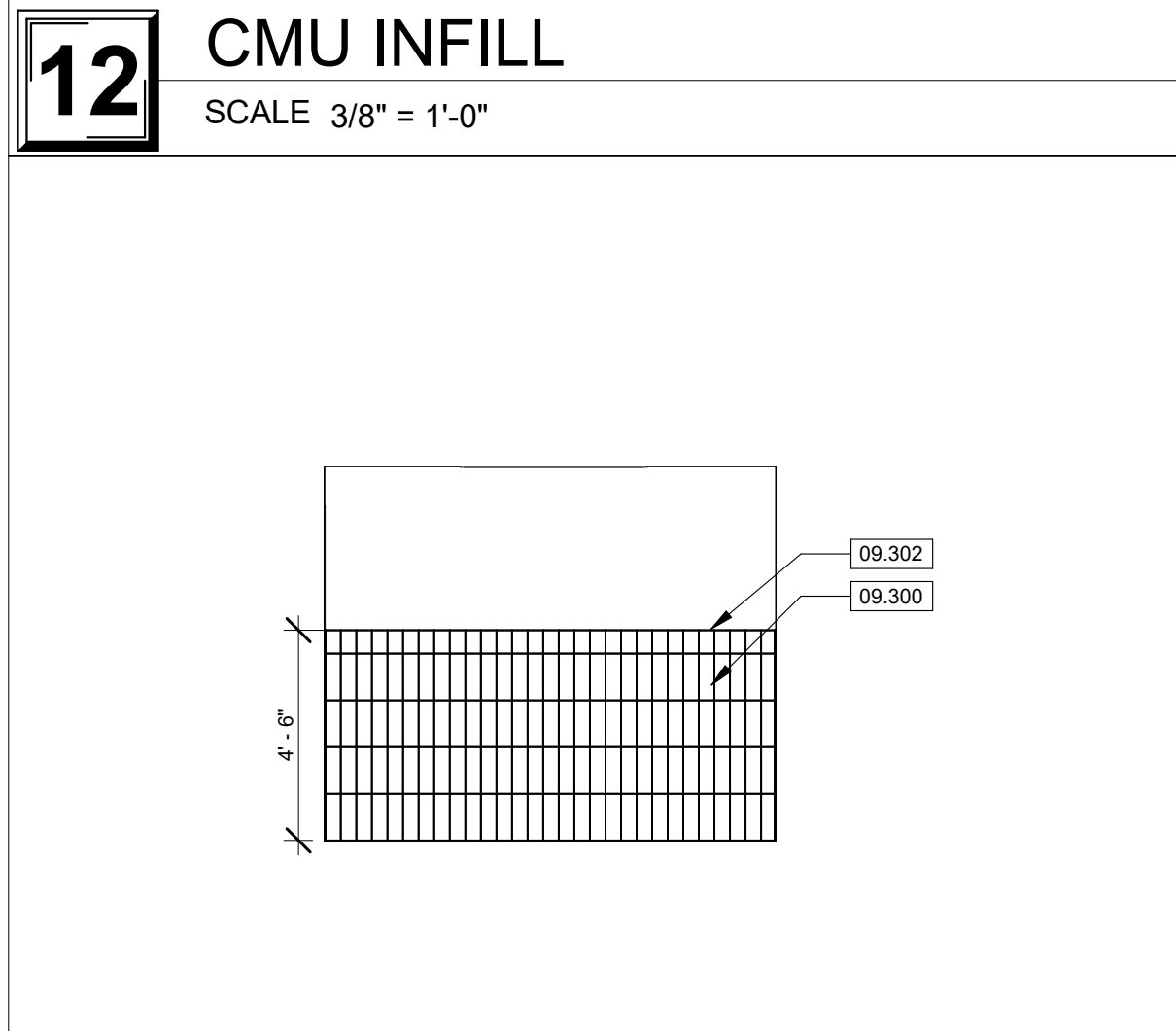
14 FIRE EXTINGUISHER CABINET- GYP BOARD INFILL
SCALE 3/8" = 1'-0"



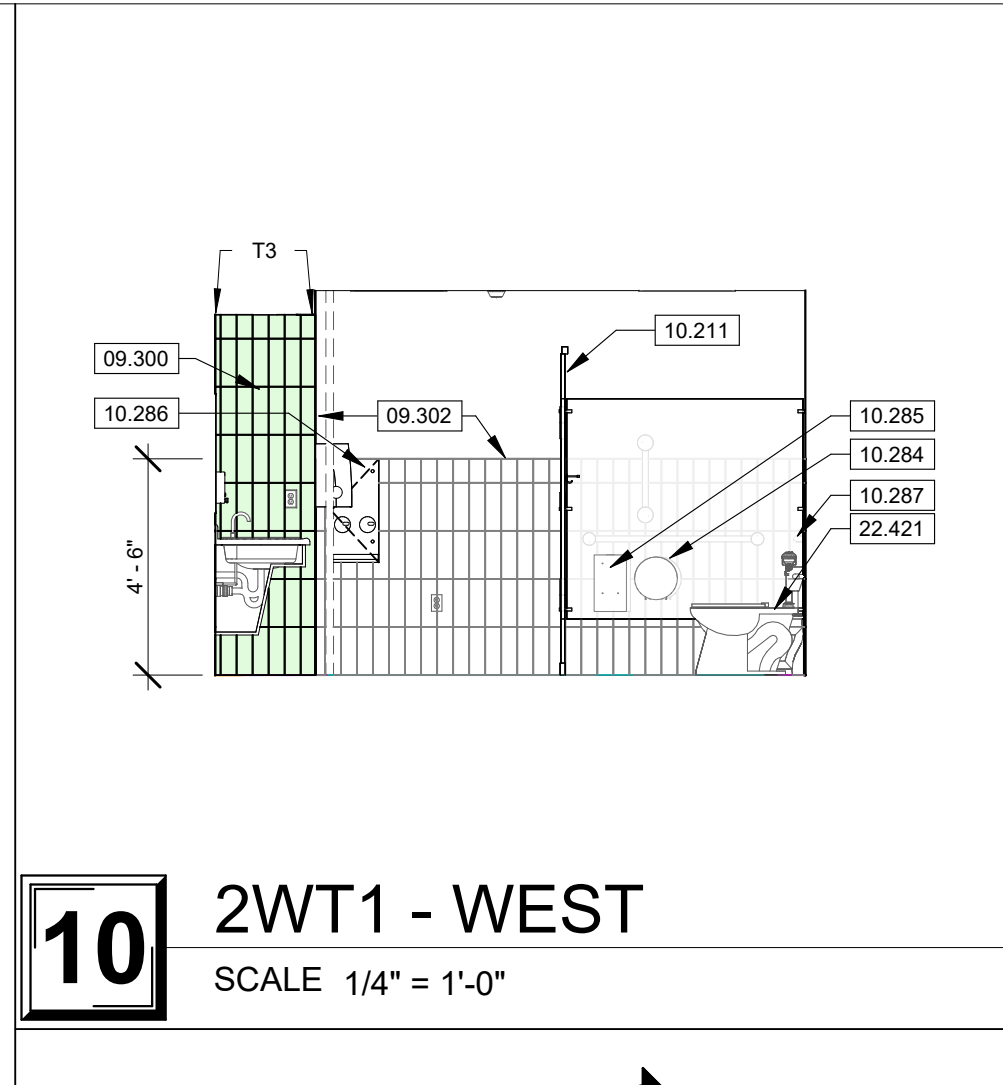
13 FIRE EXTINGUISHER CABINET- BRICK INFILL
SCALE 3/8" = 1'-0"



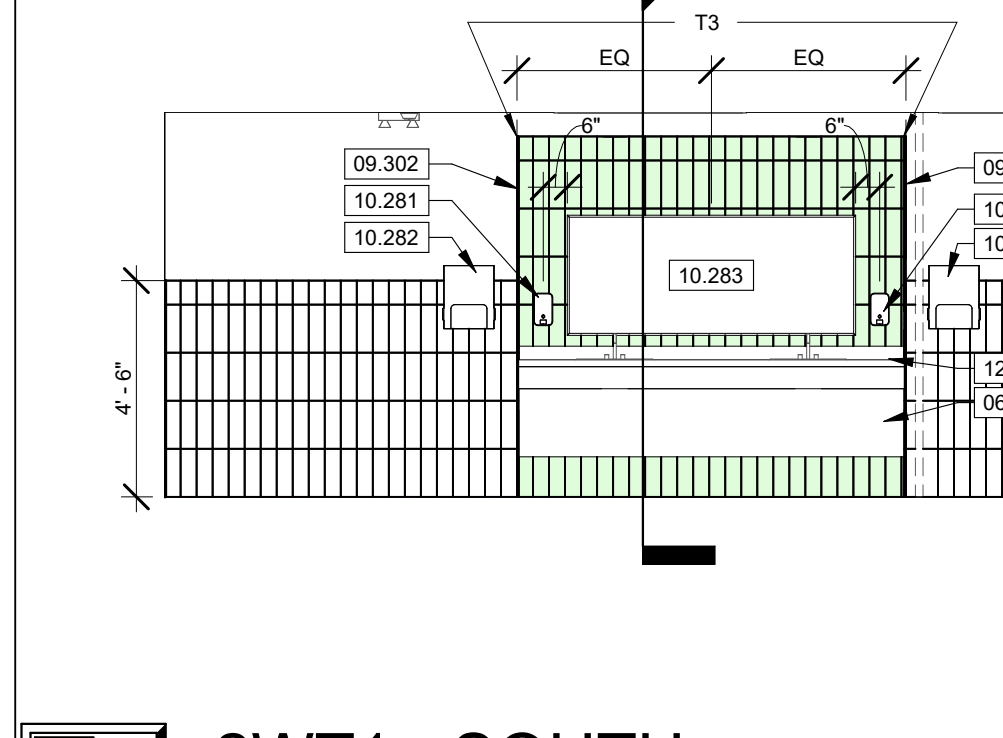
12 FIRE EXTINGUISHER CABINET- CMU INFILL
SCALE 3/8" = 1'-0"



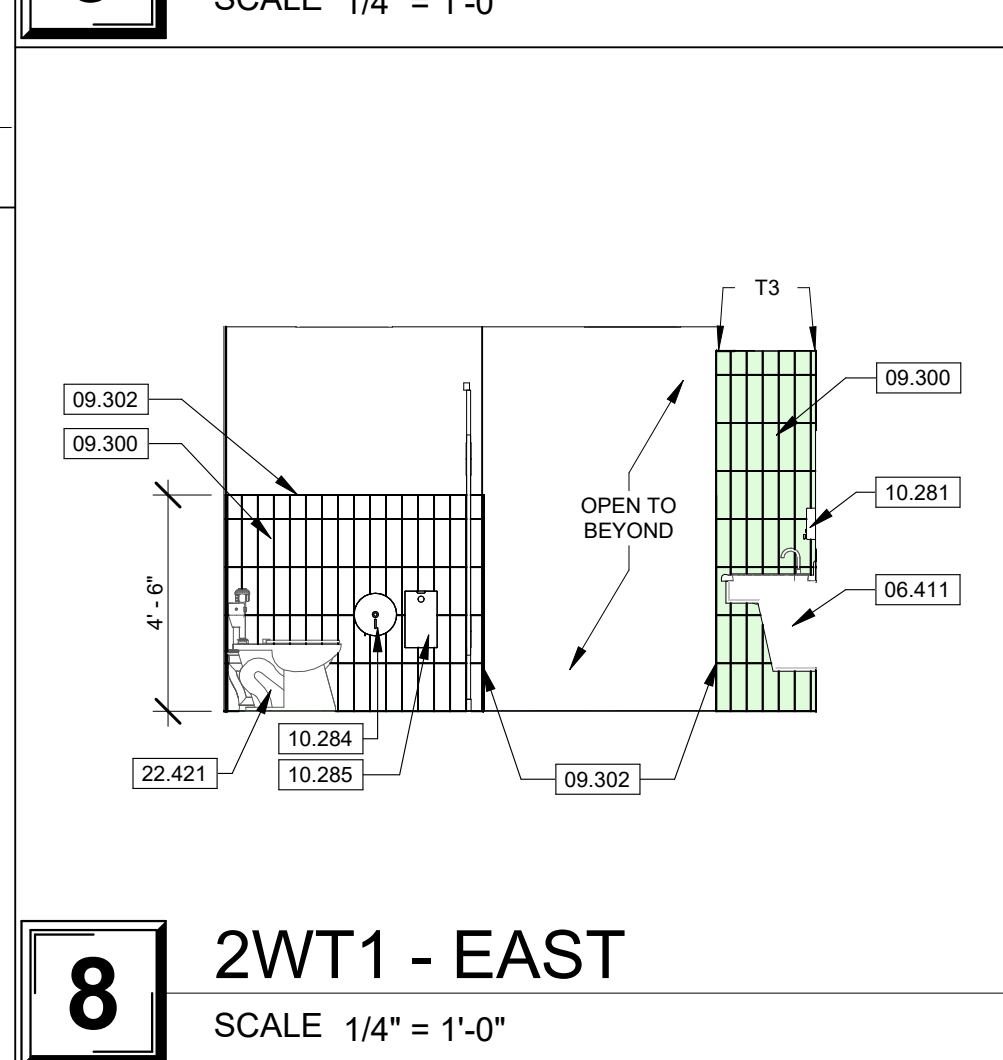
11 2WT1 - ENTRY WALL
SCALE 1/4" = 1'-0"



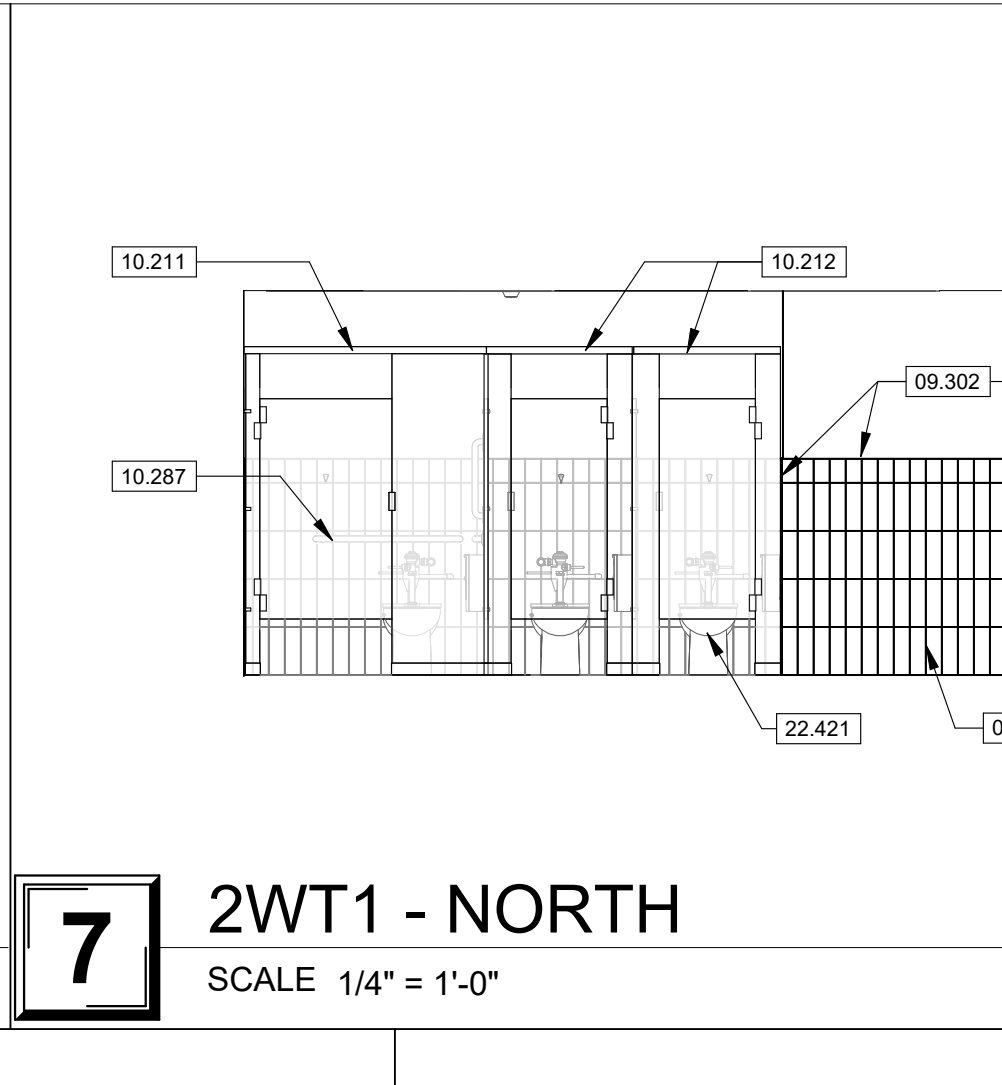
10 2WT1 - WEST
SCALE 1/4" = 1'-0"



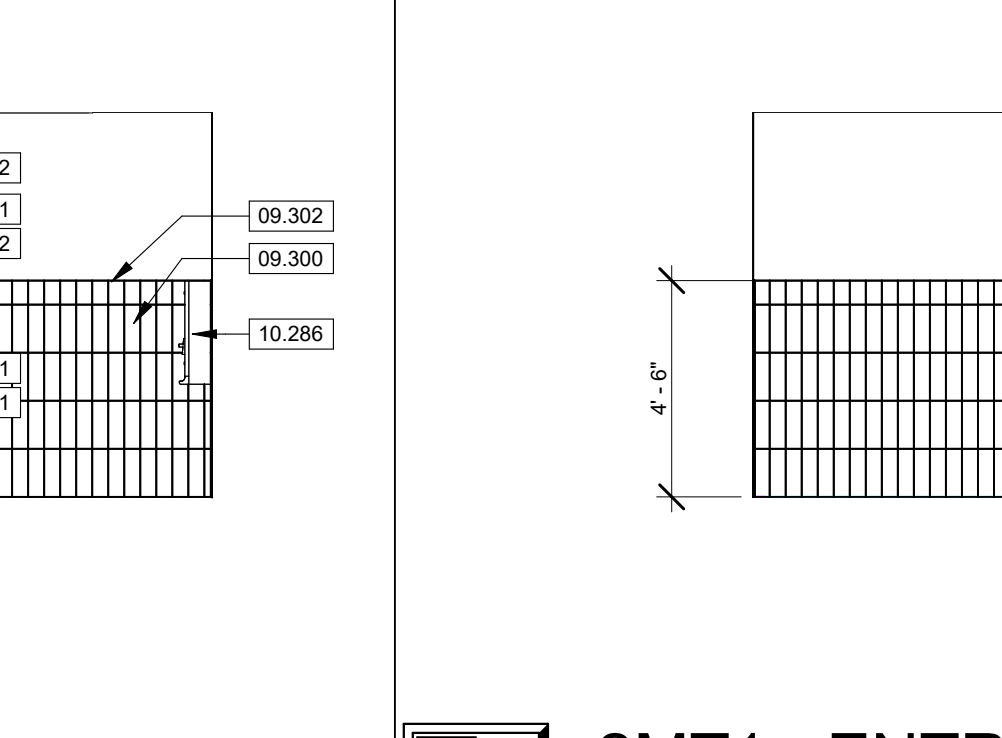
9 2WT1 - SOUTH
SCALE 1/4" = 1'-0"



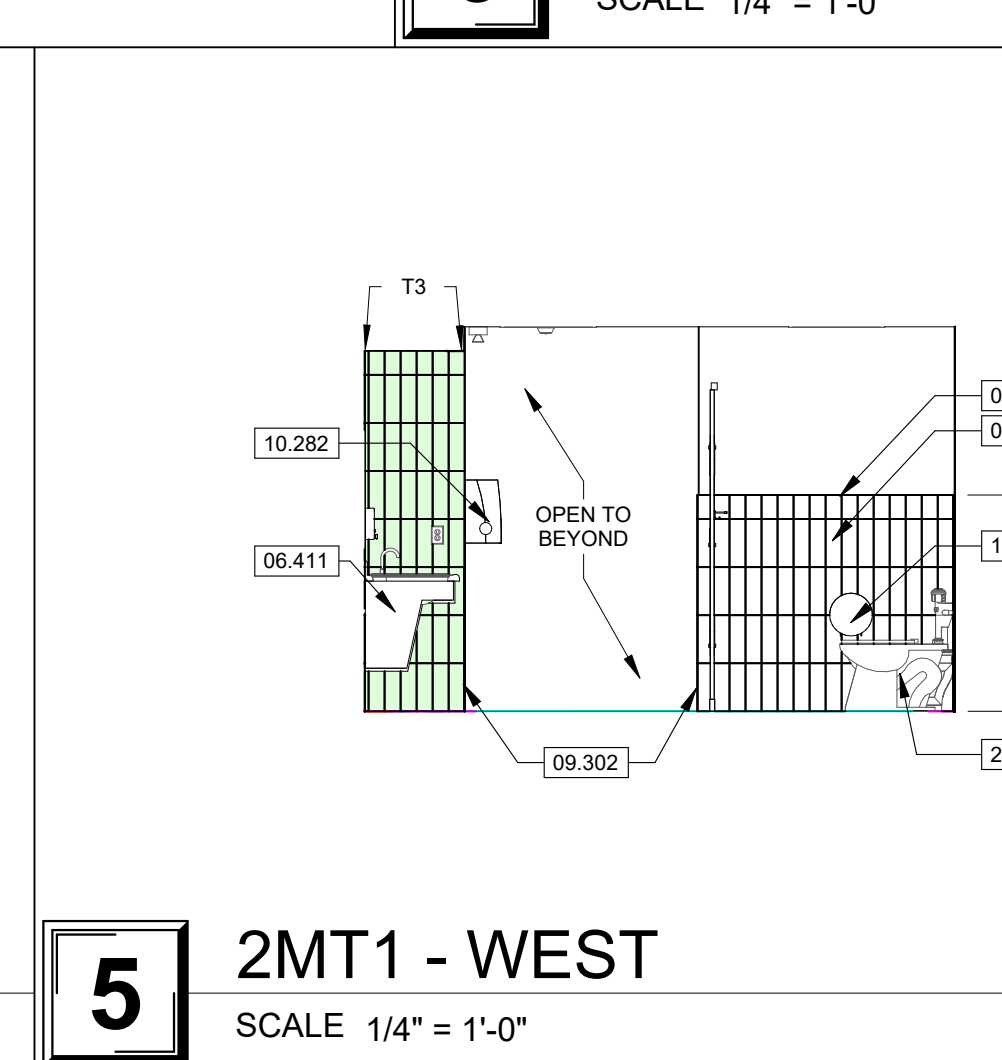
8 2WT1 - EAST
SCALE 1/4" = 1'-0"



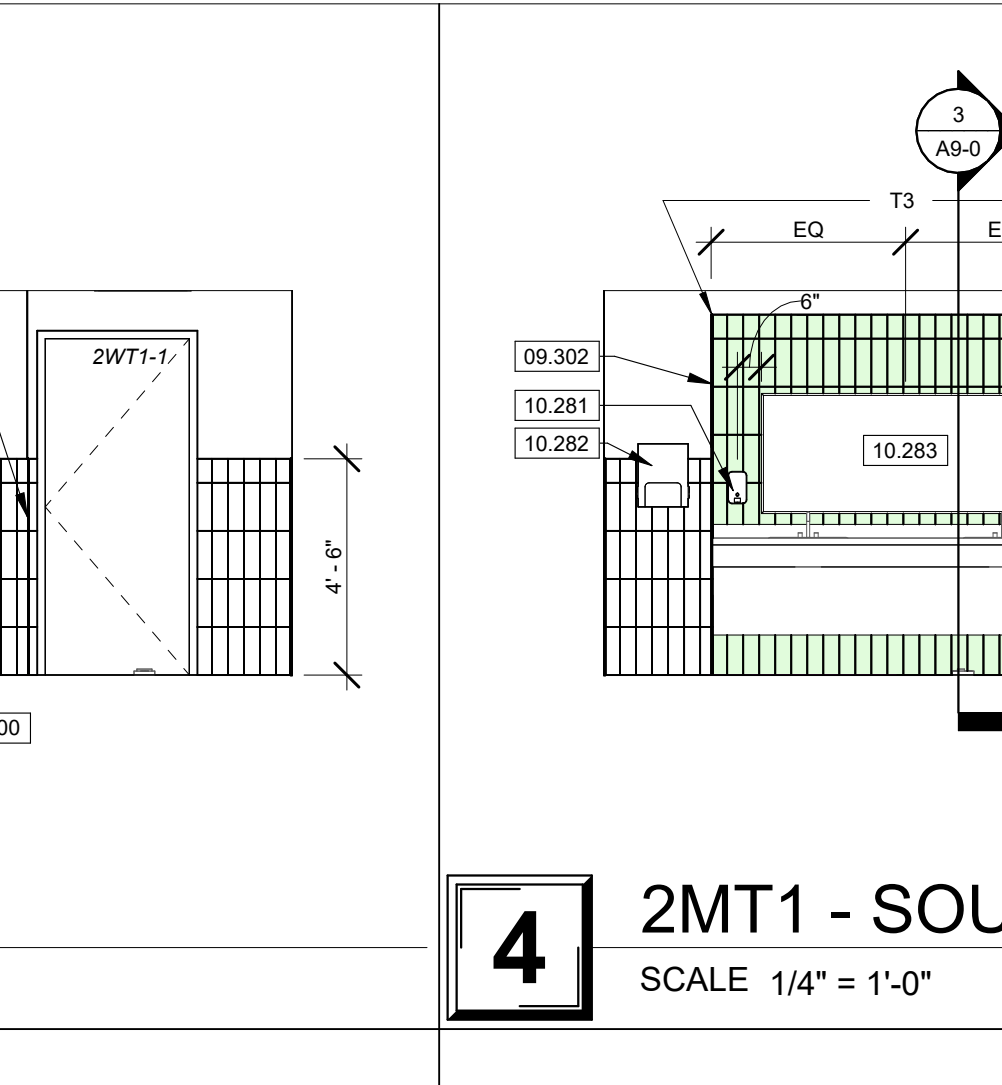
7 2WT1 - NORTH
SCALE 1/4" = 1'-0"



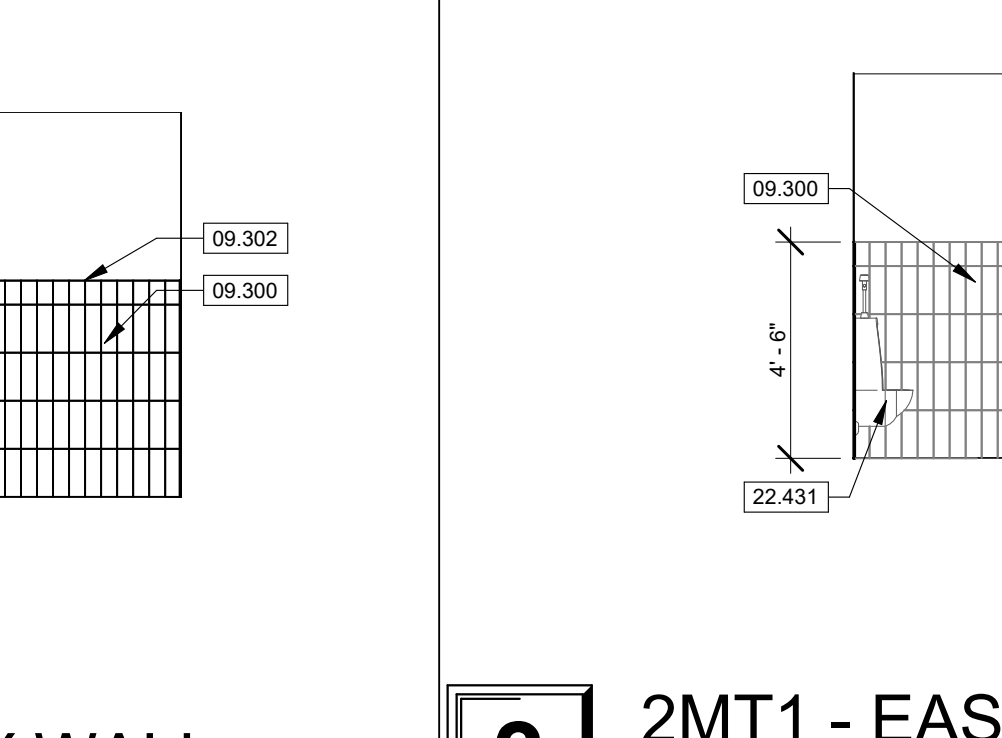
6 2MT1 - ENTRY WALL
SCALE 1/4" = 1'-0"



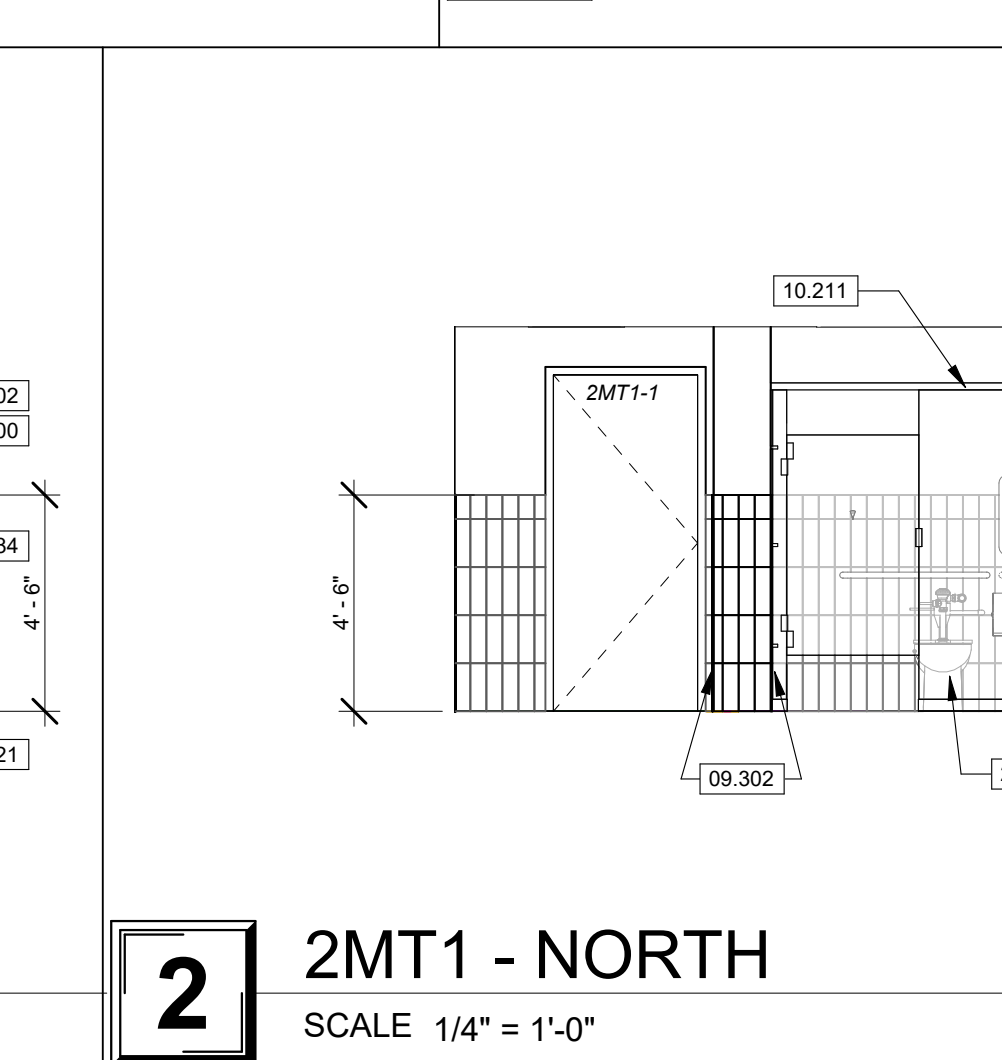
5 2MT1 - WEST
SCALE 1/4" = 1'-0"



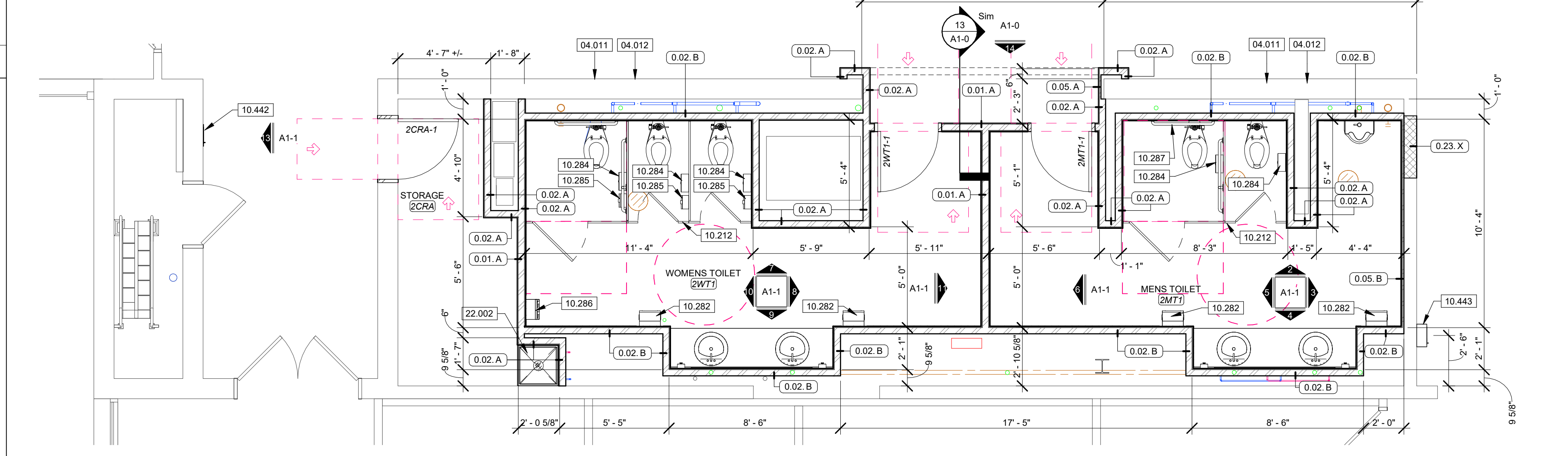
4 2MT1 - SOUTH
SCALE 1/4" = 1'-0"



3 2MT1 - EAST
SCALE 1/4" = 1'-0"



2 2MT1 - NORTH
SCALE 1/4" = 1'-0"



1 SECOND FLOOR RESTROOM PLANS
SCALE 1/4" = 1'-0"

INTERIOR ELEVATION GENERAL NOTES

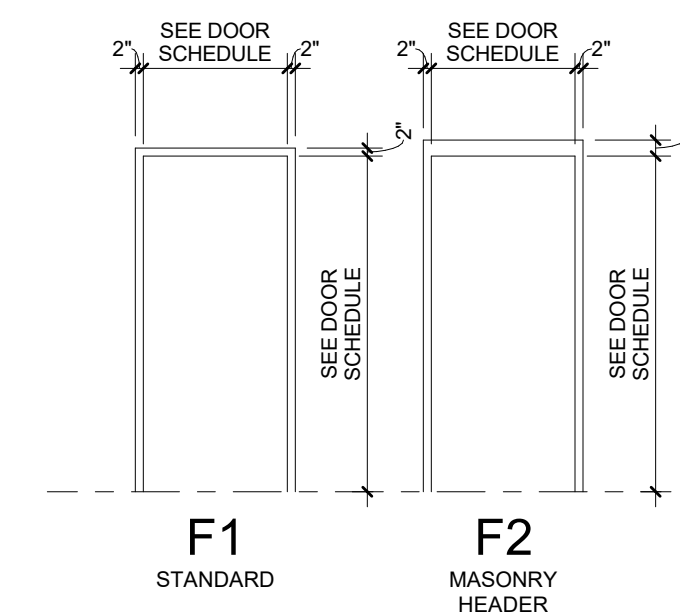
- CONTRACTOR SHALL PROVIDE MOCK UP OF ALL TOILET ACCESSORY MOUNTING FOR REVIEW AND APPROVAL BY OWNER AND ARCHITECT PRIOR TO INSTALLATION.
- REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS TO COORDINATE CONNECTIONS WITH EQUIPMENT.
- ALL DIMENSIONS ON INTERIOR ELEVATIONS ARE TAKEN TO AND FROM THE FACES OF FINISHED MATERIAL.
- INSTALL WOOD BLOCKING TO WALL STRUCTURE TO SUPPORT ALL WALL-MOUNTED CASEWORK, ACCESSORIES, AND EQUIPMENT AS REQUIRED BY OWNER AND AS RECOMMENDED BY MANUFACTURER.
- CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION OF CASEWORK.
- PROVIDE FILLER PANELS AT ALL LOCATIONS WHERE CABINETRY ABUTS A WALL.
- PROVIDE A 4" HIGH BACK SPLASHES AND SIDE SPLASHES ON ALL COUNTERS WITH SINKS, UNLESS NOTED OTHERWISE.
- COORDINATE ALL WALL OUTLETS TO AVOID CONFLICT WITH CASEWORK.
- FIRE RATINGS OF WALLS ARE TO BE STENCIL PAINTED ONTO WALLS IN NON-VISIBLE LOCATIONS AND ABOVE CEILINGS. PROVIDE STENCILS NO LESS THAN 20'-0" ON CENTER AND NO MORE THAN 30'-0" ON CENTER.

FLOOR PLAN GENERAL NOTES

- ALL DIMENSIONS INDICATED IN CONTRACT DOCUMENTS ARE FROM FACE OF STUD TO FACE OF STUD FOR INTERIOR PARTITIONS, FACE OF EXISTING STRUCTURE OR FINISH FACE OF CONCRETE OR BLOCK, OR TO STRUCTURAL LINE, EXCEPT AS NOTED OTHERWISE. DIMENSIONS OF EXISTING STRUCTURE ARE NOTED "E" AND SHOULD BE FIELD VERIFIED PRIOR TO COMMENCEMENT OF WORK AND THE ARCHITECT NOTIFIED OF ANY DISCREPANCIES IN WRITING.
- CONTRACTOR SHALL COORDINATE ALL MECHANICAL, ELECTRICAL, AND PLUMBING WORK. CONTRACTOR TO PROVIDE ALL NECESSARY CONSTRUCTION TO FACILITATE WORK INCLUDING BUT NOT LIMITED TO ROUGH OPENINGS, EQUIPMENT SUPPORTS, AND BACKING.
- PROVIDE SOLID WOOD BLOCKING AS REQUIRED TO INSTALL EQUIPMENT AND CASEWORK. VERIFY WITH OWNER FOR ALL ADDITIONAL OWNER FURNISHED ITEMS THAT REQUIRE BLOCKING.
- INTERIOR DOORS TO BE LOCATED 5' AWAY FROM ADJACENT CORNERS, UNLESS NOTED OTHERWISE.
- SEE CODE COMPLIANCE PLAN FOR FIRE EXTINGUISHER AND SIGNAGE REQUIREMENTS AND LOCATIONS.

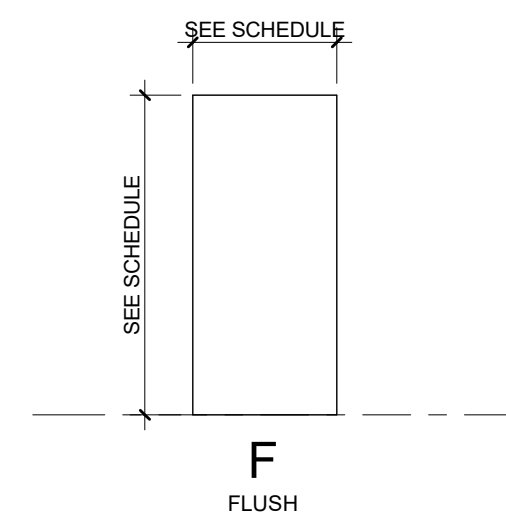
DOOR AND FRAME SCHEDULE

DOOR NO.	DOOR								FRAME			HDWR SET	RATING	COMMENTS
	OPENING		CONFIG	PANEL		TYPE	MATL	FINISH	TYPE	MATL	FINISH			
	WIDTH	HEIGHT		PANEL WIDTH	THICK									
1CRA-1	2'-9"	7'-0"	SINGLE	2'-9"	1 3/4"	F	WD	ST	F1	HM	PT	02	--	
1MT1-1	3'-0"	7'-0"	SINGLE	3'-0"	1 3/4"	F	WD	ST	F1	HM	PT	01	--	
1WT1-1	3'-0"	7'-0"	SINGLE	3'-0"	1 3/4"	F	WD	ST	F1	HM	PT	01	--	
2CRA-1	3'-0"	7'-0"	SINGLE	3'-0"	1 3/4"	F	WD	ST	F2	HM	PT	03	--	NEW DOOR AND FRAME IN EXISTING OPENING - VERIFY OPENING DIMENSIONS PRIOR TO ORDERING AND FABRICATION
2MT1-1	3'-0"	7'-0"	SINGLE	3'-0"	1 3/4"	F	WD	ST	F1	HM	PT	01	--	
2WT1-1	3'-0"	7'-0"	SINGLE	3'-0"	1 3/4"	F	WD	ST	F1	HM	PT	01	--	
B2A-1	3'-6"	7'-0"	SINGLE	3'-6"	1 3/4"	F	HM	PT	F1	HM	PT	04	60 MIN.	



DOOR FRAME LEGEND

NTS



DOOR TYPE LEGEND

NTS

DOOR SCHEDULE LEGEND AND DOOR GENERAL NOTES

MATERIAL ABBREVIATIONS

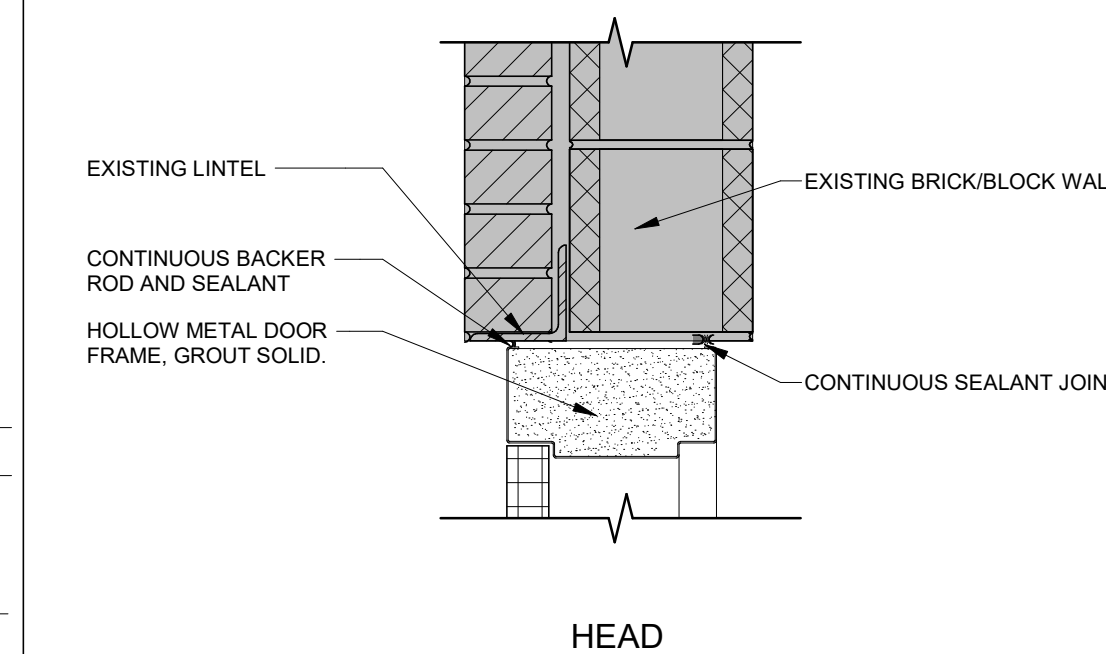
HM HOLLOW METAL
WD SOLID CORE WOOD
AL ALUMINUM FRAMED

GENERAL NOTES:

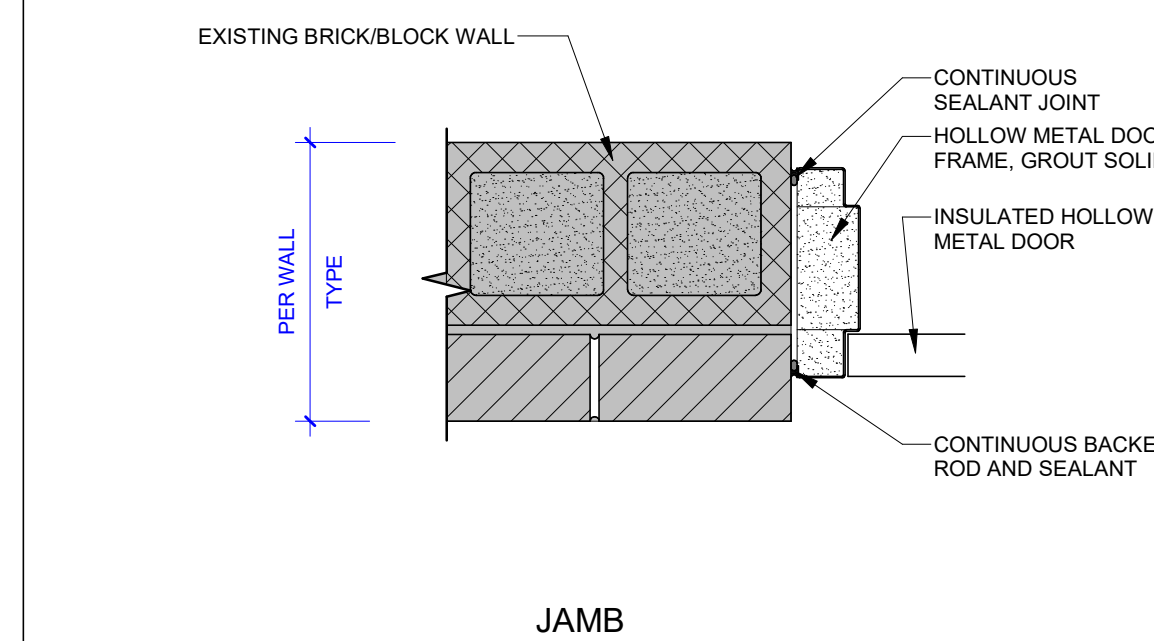
1. GLAZING IN DOORS AND WINDOWS TAGGED WITH A "T" ARE TO BE TEMPERED GLASS.
2. ALL GLASS IN DOORS, ADJACENT OR WITHIN 12" OF DOORS HORIZONTALLY, OR WITHIN 36" OF STAIRS, OR CLOSER THAN 18" TO FLOOR TO BE TEMPERED PER THE APPLICABLE VERSION OF INTERNATIONAL BUILDING CODE.
3. REFER TO AS SHEETS FOR HEAD, JAMB, AND SILL DETAILS UNLESS NOTED OTHERWISE.
4. REFER TO ELECTRICAL WIRING DIAGRAMS OF POWERED OPENINGS AND POWERED HARDWARE FOR ADDITIONAL INFORMATION.

3 HM DOOR FRAME METAL STUD

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



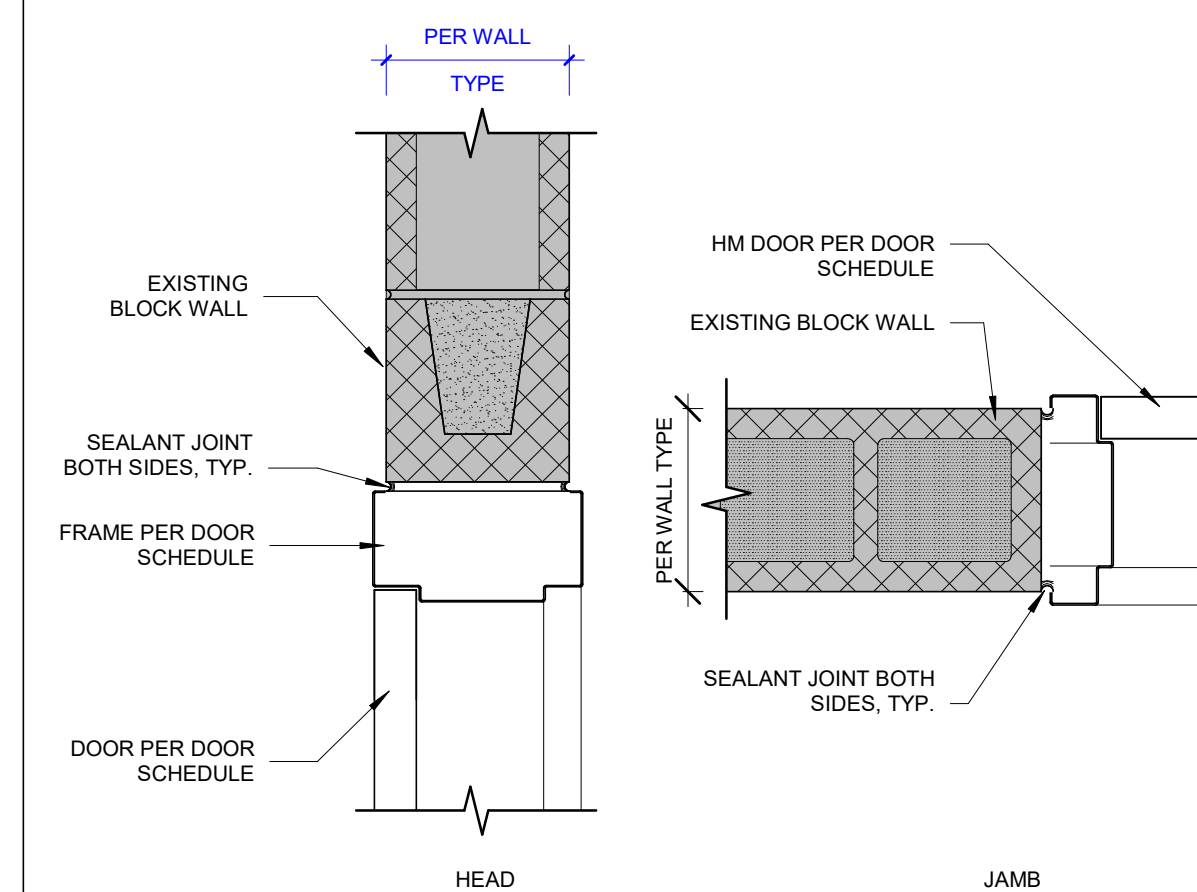
HEAD



JAMB

2 HM DOOR FRAME @ BRICK/CMU

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



HEAD

JAMB

1 HM DOOR FRAME @ CMU

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

KEYNOTE LEGEND



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REVISION SCHEDULE

PROJECT DESCRIPTION:
CENTENNIAL HALL IMPROVEMENTS AND RENOVATION

300 W. 12TH STREET
ROLLA, MO 65409

PROJECT ARCHITECT: JY
DRAWN BY: EBP, CSM, KS
CHECKED BY: JY, EBP

PROJECT NUMBER:
22-703A
RC000638

DATE:
08/28/2023

DOOR SCHEDULE AND INFORMATION

SHEET NUMBER:

A6-0

KEYNOTE LEGEND
 26.501 REINSTALL SALVAGED LIGHT FIXTURES. SEE MEP. SEE DIVISION 26.000 SPECIFICATIONS.



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JARED A. YOUNGLOVE, ARCHITECT
 MO #: A-2017019282

REVISION SCHEDULE



CEILING SCHEDULE

C1	2X2 ACOUSTICAL CEILING TILE
C4	GYPSUM BOARD SOFFIT ON METAL STUD FRAMING. REFER TO TYPICAL SOFFIT DETAILS FOR MORE INFORMATION.

REFLECTED CEILING PLAN LEGEND

C1	←	CEILING TYPE
9'-0"	←	ELEVATION OF CEILING ABOVE FINISH FLOOR
PT1	←	CEILING FINISH PAINT COLOR (IF INDICATED)

RCP PARTITION: TOP OF WALL CONDITIONS

FRAMING TO DECK: WALL FRAMING EXTENDS TO ROOF DECKING. REFER TO WALL PARTITION TAG AND PARTITION LEGEND FOR MORE INFORMATION.

UNATTACHED FRAMING: WALL FRAMING REMAINS UNATTACHED FROM ROOF DECKING. REFER TO WALL PARTITION TAG AND PARTITION LEGEND FOR MORE INFORMATION.

- RCP GENERAL NOTES**
- ALL EXPOSED GYPSUM BOARD CEILINGS, SOFFITS, AND BULKHEADS ARE TO BE PAINTED. REFER TO FINISH LEGEND FOR MORE INFORMATION ON PAINT COLOR(S) IDENTIFIED BY CEILING TAGS.
 - ALL STRUCTURE, FRAMING, DUCTWORK, MECHANICAL, AND ELECTRICAL ITEMS EXPOSED TO VIEW ARE TO BE PAINTED WITH DRYFALL PAINT UNLESS NOTED OTHERWISE.
 - CEILING HEIGHT ELEVATIONS ARE NOTED FROM THE FINISH FLOOR OF THE CORRESPONDING LEVEL. COORDINATE REFLECTED CEILING PLAN WITH LIGHTING, MECHANICAL, AND PLUMBING PLANS. COORDINATE LIGHT FIXTURES AND DIFFUSER PLACEMENT. CONTACT ARCHITECT IF DISCREPANCIES ARE FOUND AND DOCUMENT IN WRITING.
 - LIGHTING AND EXPOSED MECHANICAL EQUIPMENT SHOWN FOR REFERENCE ONLY. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING SERIES SHEETS FOR ADDITIONAL INFORMATION.
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1 REFLECTED CEILING PLAN FIRST LEVEL
 SCALE 1/8" = 1'-0"

PROJECT DESCRIPTION:
CENTENNIAL HALL IMPROVEMENTS AND RENOVATION
 300 W. 12TH STREET
 ROLLA, MO 65409

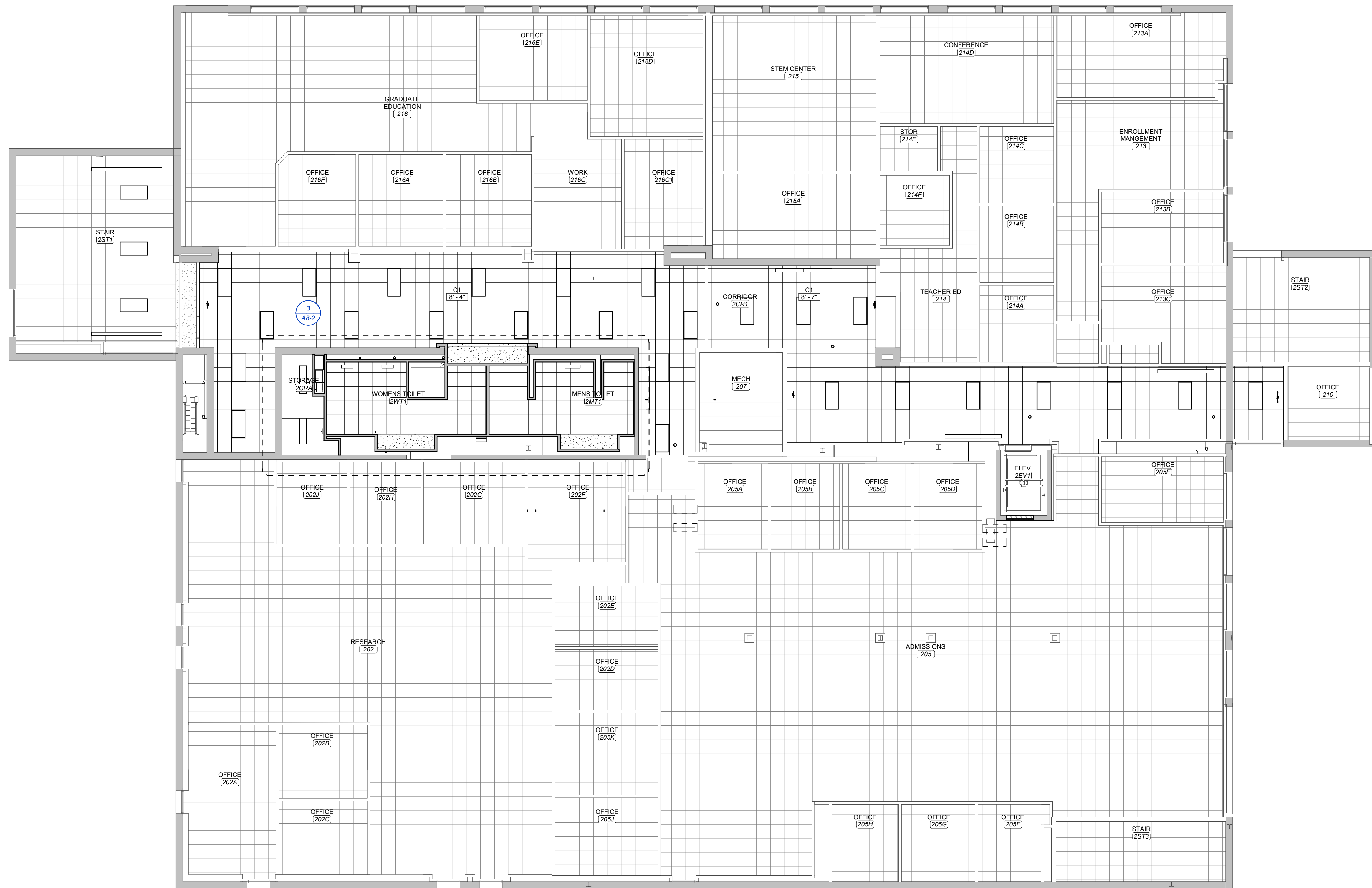
PROJECT ARCHITECT: JY
 DRAWN BY: EBP, CSM, KS
 CHECKED BY: JY, EBP

PROJECT NUMBER:
 22-703A
 RC000638
 DATE:
 08/28/2023

FIRST FLOOR REFLECTED CEILING PLAN

SHEET NUMBER:
A8-0

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1

REFLECTED CEILING PLAN SECOND LEVEL

SCALE 1/8" = 1'-0"

KEYNOTE LEGEND

CEILING SCHEDULE

C1	2X2 ACOUSTICAL CEILING TILE
C4	GYPSON BOARD SOFFIT ON METAL STUD FRAMING. REFER TO TYPICAL SOFFIT DETAILS FOR MORE INFORMATION.

REFLECTED CEILING PLAN LEGEND

C1	CEILING TYPE
9'-0"	ELEVATION OF CEILING ABOVE FINISH FLOOR
PT1	CEILING FINISH PAINT COLOR (IF INDICATED)

RCP PARTITION: TOP OF WALL CONDITIONS

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REVISION SCHEDULE

CENTENNIAL HALL IMPROVEMENTS AND RENOVATION

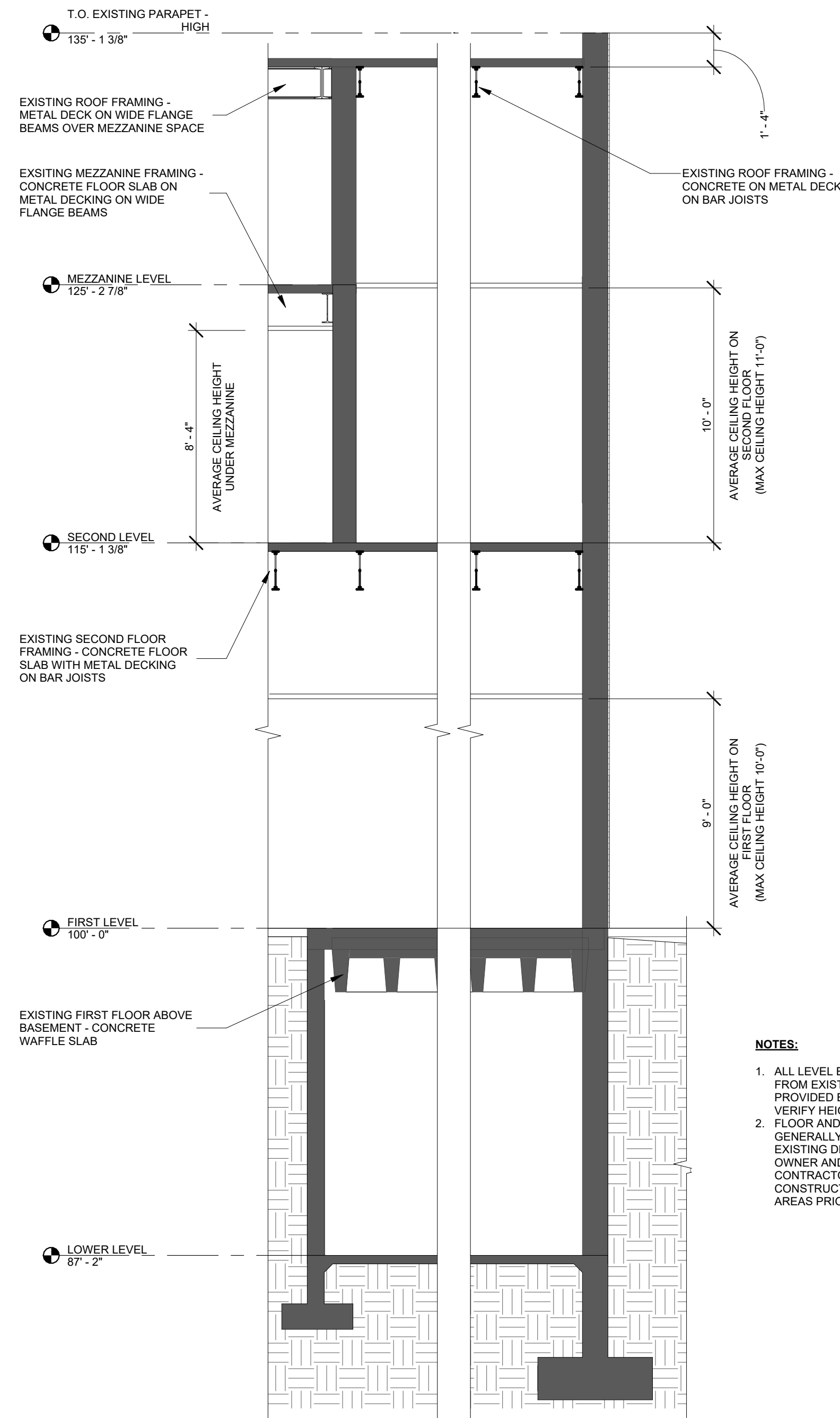
PROJECT DESCRIPTION:
 PROJECT ARCHITECT: JY
 DRAWN BY: EBP, CSM, KS
 CHECKED BY: JY, EBP

PROJECT NUMBER:
 22-703A
 RC000638

DATE:
 08/28/2023

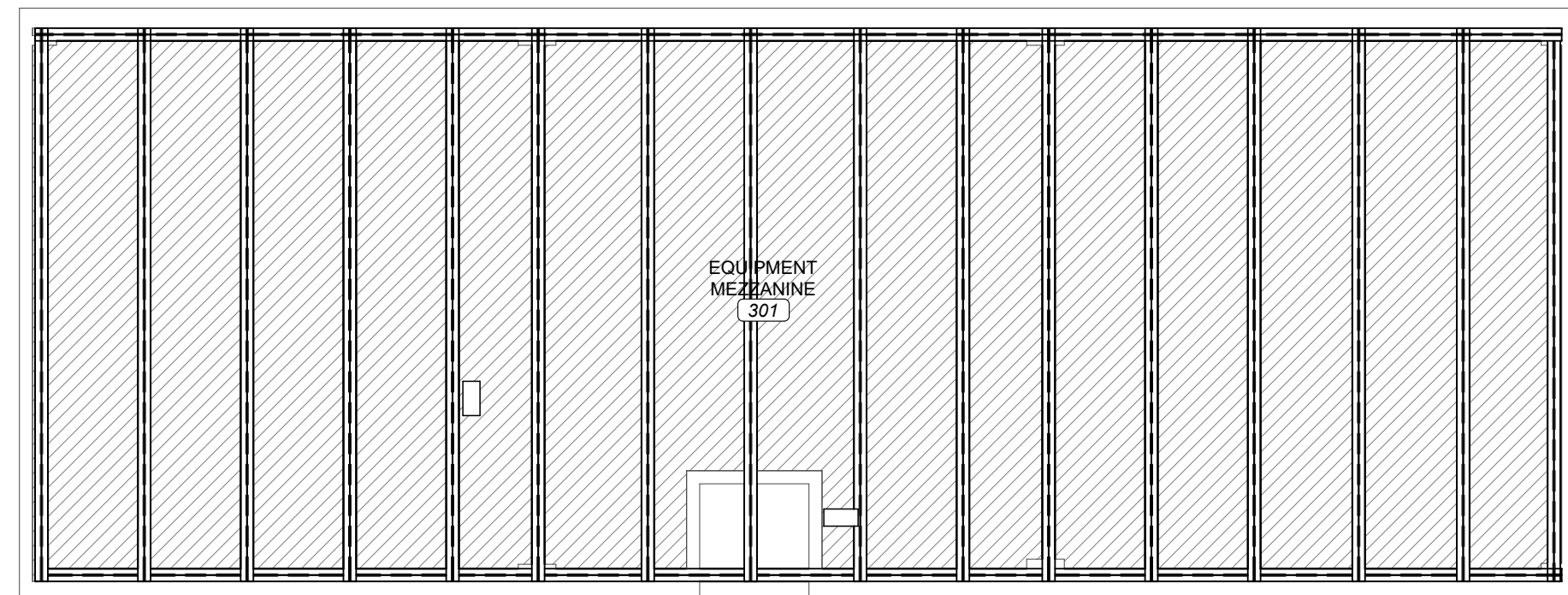
SECOND FLOOR REFLECTED CEILING PLAN

SHEET NUMBER:
A8-1

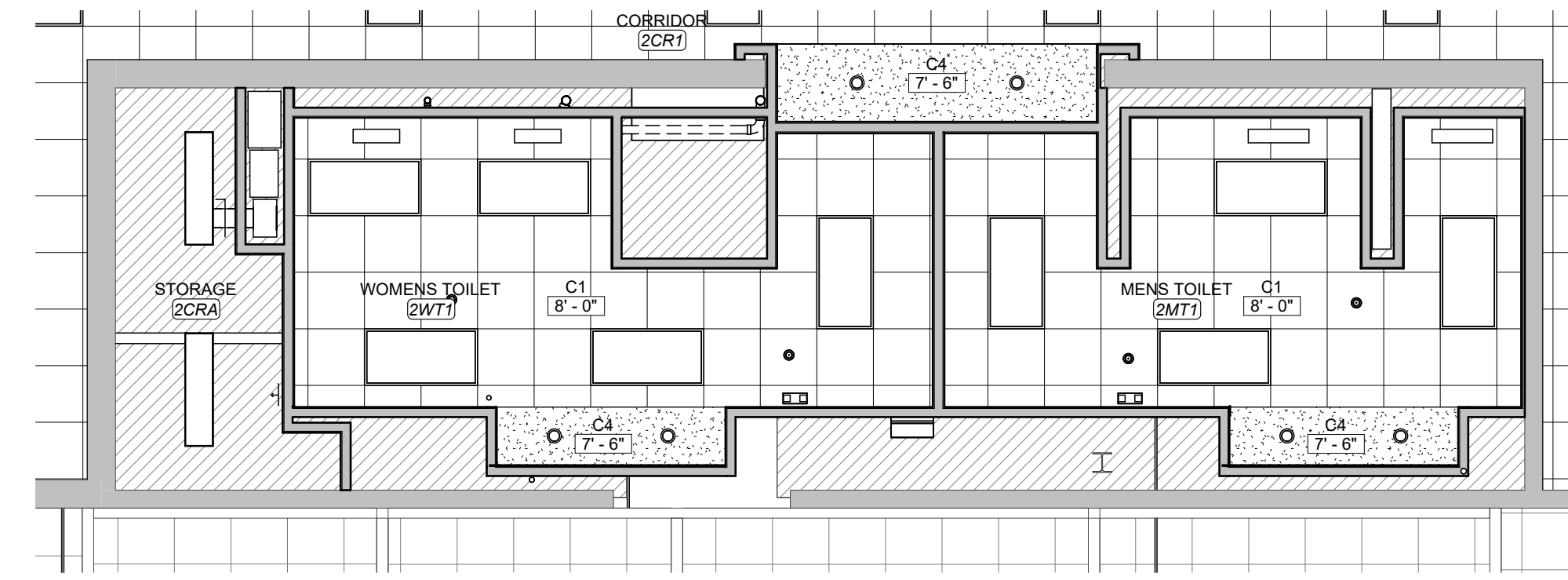


- NOTES:**
1. ALL LEVEL ELEVATIONS ARE PULLED FROM EXISTING BUILDING DRAWINGS PROVIDED BY OWNER. CONTRACTOR TO VERIFY HEIGHTS PRIOR TO WORK.
 2. FLOOR AND ROOF FRAMING HAS BEEN GENERALLY IDENTIFIED THROUGH EXISTING DRAWINGS PROVIDED BY OWNER AND VISUAL INSPECTION. CONTRACTOR TO VERIFY CONSTRUCTION AT ALL AFFECTED AREAS PRIOR TO WORK.

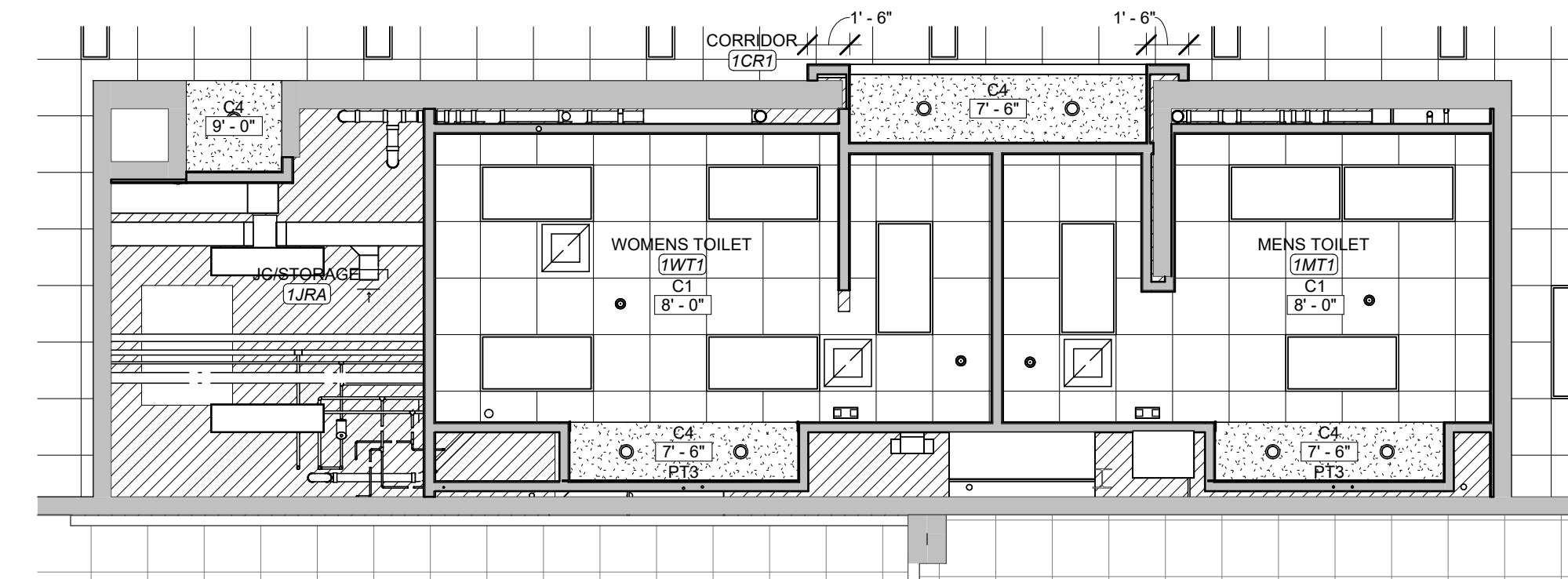
5 FLOOR HEIGHT SECTIONAL DIAGRAM
SCALE 1/4" = 1'-0"



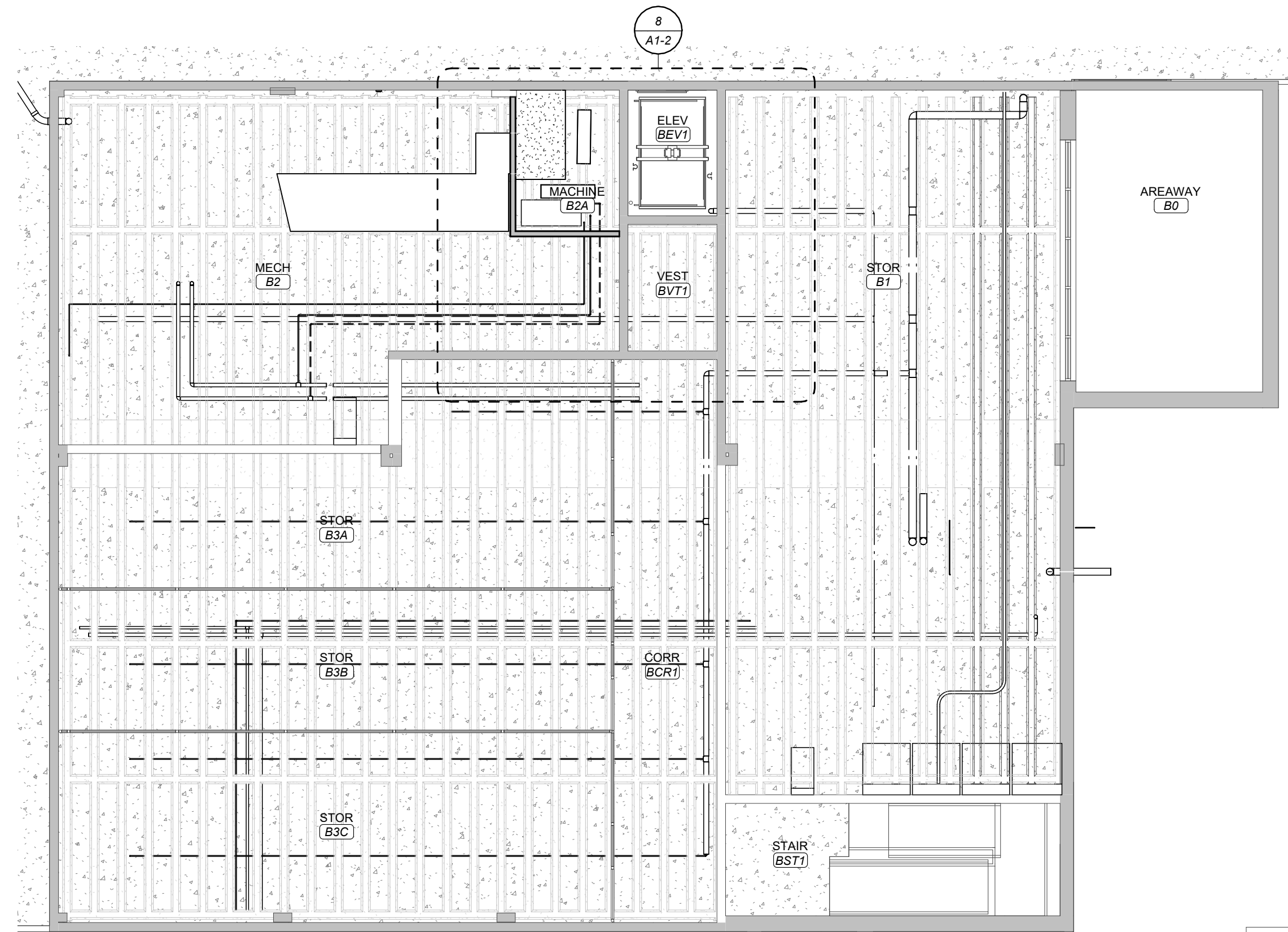
4 REFLECTED CEILING PLAN MEZZANINE
SCALE 1/8" = 1'-0"



3 ENLARGED CEILING PLAN SECOND FLOOR - RESTROOM
SCALE 3/16" = 1'-0"



2 ENLARGED CEILING PLAN FIRST FLOOR - RESTROOM
SCALE 3/16" = 1'-0"



1 REFLECTED CEILING PLAN LOWER LEVEL
SCALE 1/8" = 1'-0"

KEYNOTE LEGEND

CEILING SCHEDULE

C1	2X2 ACOUSTICAL CEILING TILE
C4	GYPSUM BOARD SOFFIT ON METAL STUD FRAMING. REFER TO TYPICAL SOFFIT DETAILS FOR MORE INFORMATION.
C8	1 HOUR FIRE RATED HORIZONTAL CEILING ASSEMBLY, 5/8" TYP X GYPSUM CEILING BOARD ON 2-1/2" METAL C-H STUD FRAMING AT 16 INCHES ON CENTER WITH 1" GYPSUM LINER PANEL.

REFLECTED CEILING PLAN LEGEND

C1	CEILING TYPE
9'-0"	ELEVATION OF CEILING ABOVE FINISH FLOOR
PT1	CEILING FINISH PAINT COLOR (IF INDICATED)

RCP PARTITION: TOP OF WALL CONDITIONS

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	UNATTACHED FRAMING: WALL FRAMING REMAINS UNATTACHED FROM ROOF DECKING. REFER TO WALL PARTITION TAG AND PARTITION LEGEND FOR MORE INFORMATION.

- RCP GENERAL NOTES**
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 2. ALL STRUCTURE, FRAMING, DUCTWORK, MECHANICAL, AND ELECTRICAL ITEMS EXPOSED TO VIEW ARE TO BE PAINTED WITH DRYFALL PAINT UNLESS NOTED OTHERWISE.
 3. CEILING HEIGHT ELEVATIONS ARE NOTED FROM THE FINISH FLOOR OF THE CORRESPONDING LEVEL. COORDINATE REFLECTED CEILING PLAN WITH LIGHTING, MECHANICAL, AND PLUMBING PLANS. COORDINATE LIGHT FIXTURES AND DIFFUSER PLACEMENT. CONTACT ARCHITECT IF DISCREPANCIES ARE FOUND AND DOCUMENT IN WRITING.
 4. LIGHTING AND EXPOSED MECHANICAL EQUIPMENT SHOWN FOR REFERENCE ONLY. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING SERIES SHEETS FOR ADDITIONAL INFORMATION.
 5. PROVIDE APPROPRIATE FINISH AND/OR TRIM AT ALL PENETRATIONS IN WALLS, FLOORS, AND AT EXPOSED FINISH CEILING LOCATIONS. CONTRACTOR SHALL PROVIDE SEALANT AND BACKER ROD AT ALL MINOR GAPS AND AT EXPOSED PENETRATIONS. WHERE LARGE GAPS OR ROUGH CUT PENETRATIONS OCCUR THE CONTRACTOR SHALL PROVIDE SHEET METAL TRIM AS NECESSARY FOR A FINISHED APPEARANCE. PAINT TRIM AND SEALANTS TO MATCH ADJACENT WALL FINISHES AND/OR CEILING FINISHES. COORDINATE PAINT COLOR WITH ARCHITECT.



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MO #: A-2017019282

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REVISION SCHEDULE

PROJECT DESCRIPTION:
CENTENNIAL HALL IMPROVEMENTS AND RENOVATION

PROJECT ARCHITECT: JY
DRAWN BY: EBP, CSM, KS
CHECKED BY: JY, EBP

PROJECT NUMBER:
22-703A
RC000638

DATE:
08/28/2023

LOWER LEVEL REFLECTED CP

SHEET NUMBER:
A8-2

PLUMBING PIPES:

Table listing plumbing pipe types and their abbreviations, including Domestic Cold Water, Domestic Hot Water, Domestic Hot Water Recirculation, etc.

FIRE PROTECTION PIPES:

Table listing fire protection pipe types and their abbreviations, including Fire Service, Fire Protection Standpipe, Fire Sprinkler - Wet, etc.

MEDICAL GAS PIPES:

Table listing medical gas pipe types and their abbreviations, including Medical Vacuum Piping, Medical Oxygen Piping, Medical Nitrous Oxide Piping, etc.

HVAC PIPES:

Table listing HVAC pipe types and their abbreviations, including Chilled Water Supply, Chilled Water Return, Chilled / Hot Water Supply, etc.

PIPE PHASING:

Table listing pipe phasing types and their abbreviations, including Improvement - Service as Noted Above, Existing - Service as Noted Above, Demolished - Service as Noted Above, etc.

PIPE FITTINGS AND VALVES:

Table listing pipe fittings and valves with their symbols and abbreviations, including Shut-off Valve, Check Valve, Balancing Valve, etc.

PLUMBING FIXTURES:

Table listing plumbing fixtures with their symbols and abbreviations, including Plumbing Fixture Plan Mark Tag, Flush Tank Water Closet, Floor Mount Flush Valve Water Closet, etc.

PIPE SPECIALTIES:

Table listing pipe specialties with their symbols and abbreviations, including Drainage Pipe Specialty Tag, Flush Floor Cleanout, Flush Grade Cleanout, etc.

DUCTWORK:

Table listing ductwork types and their abbreviations, including Branch Duct with 45 Degree Boot Fitting, Branch Duct with Bellmouth Spin-in Fitting, etc.

DAMPERS:

Table listing damper types and their abbreviations, including Volume Damper with Locking Quadrant, Fire Damper, Smoke Damper, etc.

TEMPERATURE CONTROLS:

Table listing temperature controls with their symbols and abbreviations, including Thermostat at 4'-0" A.F.F., U.N.O. Serving Unit, Temperature Sensor, etc.

LUMINAIRES:

Table listing luminaire types and their abbreviations, including Recessed Light Fixture, Light Fixture, Emergency, etc.

RACEWAYS:

Table listing raceway types and their abbreviations, including Conduit or Circuit Concealed in Ceiling or Wall, Emergency Circuit Concealed Ceiling or Wall, etc.

POWER EQUIPMENT:

Table listing power equipment types and their abbreviations, including Lighting and Appliance Panel, Distribution, Feeder or Power Panel, Disconnect Switch, etc.

SECURITY:

Table listing security types and their abbreviations, including Door Alarm Contact, Door Alarm Annunciator, Monitor Junction Box, etc.

WIRING DEVICES AND OUTLETS:

Table listing wiring devices and outlets with their symbols and abbreviations, including 20 Amp Single Pole, 120/277 Volt Switch, Three-Way 120/277 Volt Switch, etc.

FIRE ALARM:

Table listing fire alarm types and their abbreviations, including Water Flow Switch, Valve Tamper Switch, Fan Shutdown Relay, etc.

COMMUNICATIONS:

Table listing communications types and their abbreviations, including Telephone Outlet, Data / Telephone Combination Outlet, etc.

Table listing intercom and AV system speaker types and their abbreviations, including Intercom Speakers, AV System Speakers, etc.

Table listing intercom speaker types and their abbreviations, including 1-1 Way Paging Ceiling Speaker, 12-2 Way Talkback Ceiling Speaker, etc.

Table listing AV system speaker types and their abbreviations, including LS - Wall Mount Gymnasium Loudspeaker, CL - Ceiling Mount Loud Speaker, etc.

Table listing microphone outlet types and their abbreviations, including Microphone Outlet - Wall, Microphone Outlet - Floor, etc.

ELECTRICAL NOTATIONS:

Table listing electrical notations with their symbols and abbreviations, including AC, IG, SS, TR, WP, etc.

ABBREVIATIONS:

Table listing abbreviations with their symbols and abbreviations, including AD - Access Door, AFF - Above Finished Floor, AFG - Above Finished Grade, etc.

PLAN NOTATIONS:

Table listing plan notations with their symbols and abbreviations, including North arrow, Detail Reference, Plan Note Reference, etc.

Table listing cable tray types and their abbreviations, including Cable Tray - Solid Bottom, Cable Tray - Wire Mesh, Cable Tray - Ladder, etc.

Table listing symbols legend with their symbols and abbreviations, including Microphone Outlet - Wall, Microphone Outlet - Floor, etc.

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E-200101872
E-200101872



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REVISION SCHEDULE

PROJECT DESCRIPTION:
CENTENNIAL HALL IMPROVEMENTS
AND RENOVATION
300 W. 13TH STREET
ROLLA, MO 65409

PROJECT ENGINEER: Approver
DRAWN BY: LDN
CHECKED BY: JAL

PROJECT NUMBER:
22-703A
RC000638

DATE:
8.28.2023

SYMBOLS LEGEND

SHEET NUMBER:
ME1-0
SIGNATURE

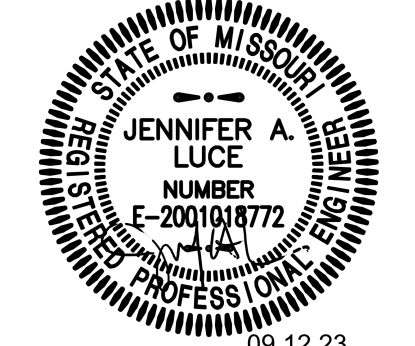


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REVISION SCHEDULE

PROJECT DESCRIPTION:
CENTENNIAL HALL IMPROVEMENTS AND RENOVATION
 300 W. 17TH STREET
 ROLLA, MO 65409

PROJECT ENGINEER: Approver
 DRAWN BY: LDN
 CHECKED BY: JAL

PROJECT NUMBER:
 22-703A
 RC000638

DATE:
 8.28.2023

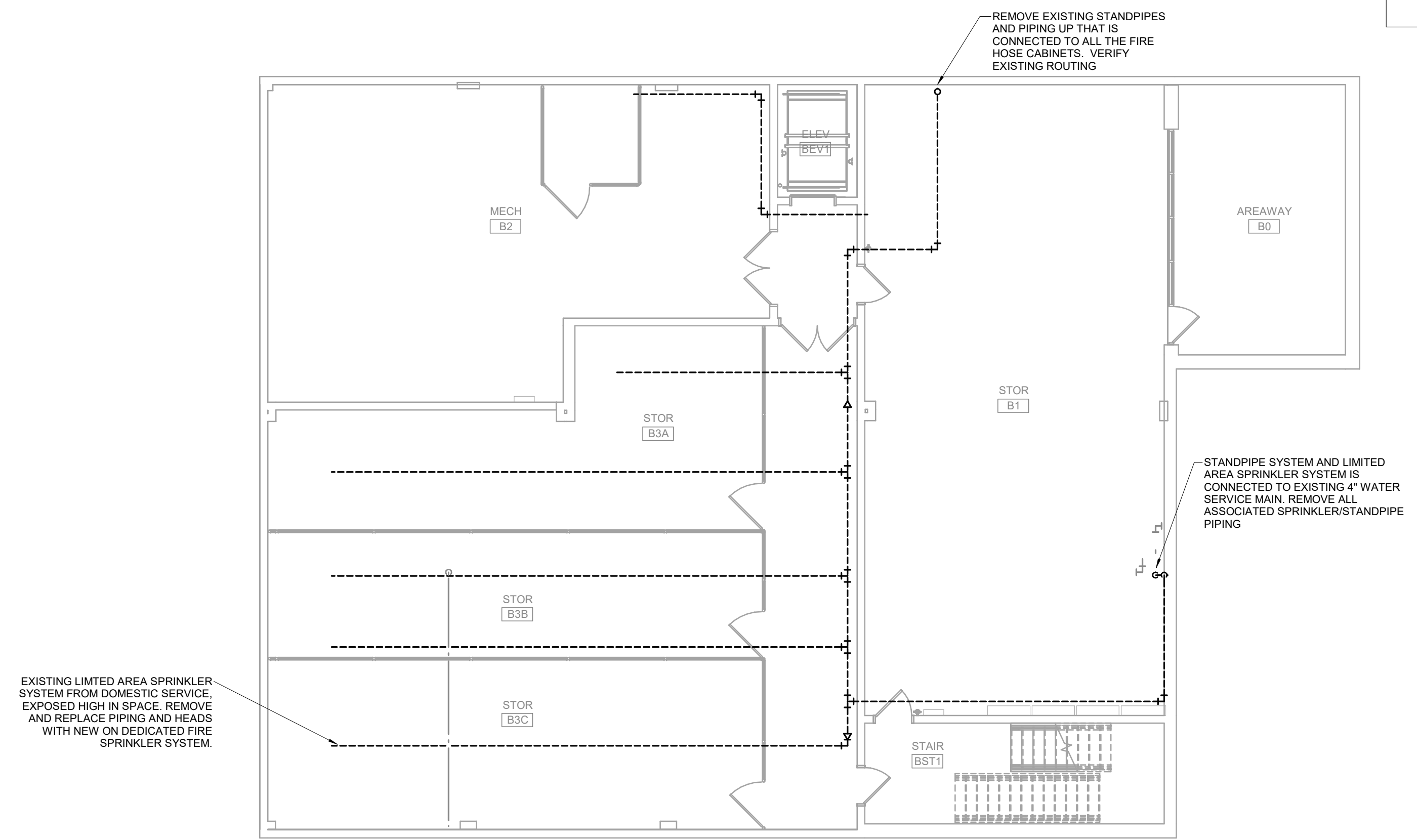
LOWER LEVEL SPRINKLER DEMO PLAN

SHEET NUMBER:

FP0-1

GENERAL NOTES:

- A. ALL FIRE PROTECTION WORK SHALL BE IN ACCORDANCE WITH THE 2021 EDITION OF THE INTERNATIONAL FIRE CODE AS ADOPTED BY MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY.
- B. FINAL ACCEPTANCE OF WORK SHALL BE SUBJECT TO THE CONDITION THAT ALL SYSTEMS, EQUIPMENT, APPARATUS, AND APPLIANCES OPERATE SATISFACTORILY AS DESIGNED AND INTENDED; WORK SHALL INCLUDE REQUIRED REPLACEMENT, ADJUSTMENT OF SYSTEMS AND CONTROL EQUIPMENT AND ALL REQUIRED PROGRAMMING INSTALLED. PROVIDE FOR ALL WORK INDICATED ON DRAWINGS OR AS REASONABLY IMPLIED.
- C. TEST ALL LINES, SYSTEMS, EQUIPMENT BEFORE THEY ARE INSULATED, PAINTED, OR CONCEALED BY CONSTRUCTION OR BACKFILLING. PROVIDE FUEL, WATER, ELECTRICITY, MATERIALS, LABOR, AND EQUIPMENT REQUIRED FOR TESTS. REPAIR OR REPLACE DEFECTS, LEAKS, AND MATERIALS FAILURES REVEALED BY TESTS AND THEN RETESTED UNTIL SATISFACTORY. MAKE REPAIRS WITH NEW MATERIALS.
- D. PROVIDE NECESSARY MATERIALS AND ACCESSORIES FOR INSTALLATION OF FIXTURES, EQUIPMENT, ETC AS REQUIRED FOR COMPLETE AND FUNCTIONAL OPERATION AS NOTED ON DRAWINGS OR IN NOTES.
- E. ACCESS PANELS SHALL BE PROVIDED WHEREVER NECESSARY TO PROVIDE ACCESS TO VALVES, JUNCTION BOXES, ETC., LOCATED IN CONCEALED SPACES.
- F. ALL EQUIPMENT, FIXTURES, MATERIALS, ETC SHALL BE INSTALLED IN NEAT, PROFESSIONAL MANNER IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS. ALL PIPING SHALL BE CONCEALED WHERE POSSIBLE.
- G. EXISTING CONDITIONS ON THIS SET OF BID DOCUMENTS WERE TAKEN FROM EXISTING DRAWINGS, LIMITED SITE VISITS, AND VISUAL OBSERVATIONS. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CHANGE ORDERS WILL NOT BE PAID DUE TO UNANTICIPATED CONDITIONS TO MEET INTENT OF WORK.
- H. CONTRACTOR SHALL SCHEDULE AND EXECUTE ALL WORK WITH REGARD TO THE OWNER'S USE OF THE BUILDING.
- I. PLANS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS.
- J. REFER TO ARCHITECTURAL DEMOLITION PLANS FOR PHASING AND EXTENTS OF DEMOLITION. REFER TO ARCHITECTURAL PLANS FOR ALL PHASING REQUIREMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING LIGHTS, CEILING, DIFFUSERS, ETC AS REQUIRED FOR INSTALLATION OF NEW SPRINKLER SYSTEMS. CONTRACTOR SHALL INCLUDE ALL REPLACEMENT COSTS FOR ANY DAMAGED FIXTURES, DIFFUSERS, ETC AS APPLICABLE.
- K. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CORING, PATCH, AND REPAIR OF ALL WALL AND FLOOR SYSTEMS AS REQUIRED DUE TO CONSTRUCTION WORK. MAINTAIN ALL FIRE RATINGS.
- L. THE BUILDING CONTAINS A PARTIAL EXISTING STANDPIPE AND LIMITED AREA SPRINKLER SYSTEM. THIS WORK INCLUDES REMOVAL OF THE EXISTING STANDPIPE AND LIMITED AREA SPRINKLER SYSTEM AND INSTALLATION OF NEW AS REQUIRED TO PROVIDE A FULLY OPERATIONAL AUTOMATIC FIRE SPRINKLER SYSTEM FOR ALL AREAS OF THE BUILDING. ALL FIRE SPRINKLER MATERIALS AND INSTALLATION SHALL COMPLY WITH NFPA 13, STATE AND LOCAL CODES. THE FIRE SPRINKLER SYSTEM CONTRACTOR SHALL ENGINEER AND INSTALL THE FIRE SPRINKLER SYSTEM AS REQUIRED TO MAINTAIN PROPER COVERAGE FOR THE ENTIRE BUILDING.
- M. BEFORE ANY SPRINKLER WORK BEGINS, SUBMIT SCALED DRAWINGS, WHICH SHALL BE A DEFERRED SUBMITTAL; INDICATING THE LOCATIONS OF SPRINKLER HEADS AND HOW THEY INTERFACE WITH CEILING TILES, LIGHTING FIXTURES, HVAC GRILLES, AND DIFFUSERS, ETC. ALL SPRINKLER HEADS SHALL BE CENTERED IN CEILING TILES. LAYOUT DRAWINGS SHALL ALSO INCLUDE, BUT NOT LIMITED TO, PIPE SIZES AND LOCATIONS, ELEVATION AND SLOPES OF HORIZONTAL PIPING RUNS, COORDINATION OF PIPING WITH DUCTWORK, PIPING, ETC., AND HANGER LOCATIONS.



1 LOWER LEVEL FIRE PROTECTION DEMO PLAN
 SCALE: 1/8" = 1'-0"
 NORTH

GENERAL NOTES:
REFER TO SHEET FP1-1 FOR GENERAL NOTES.

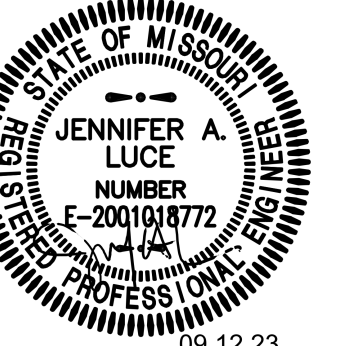


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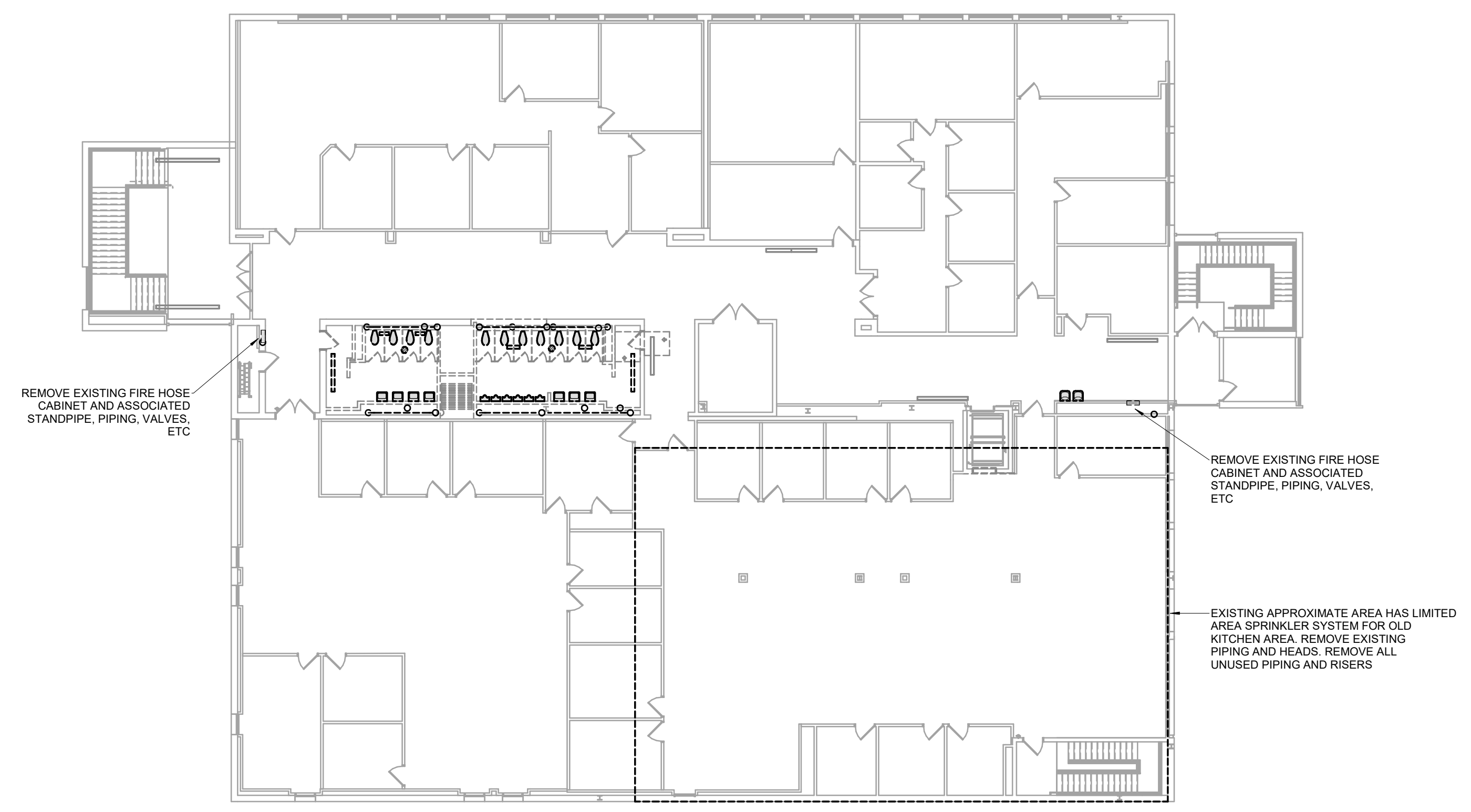
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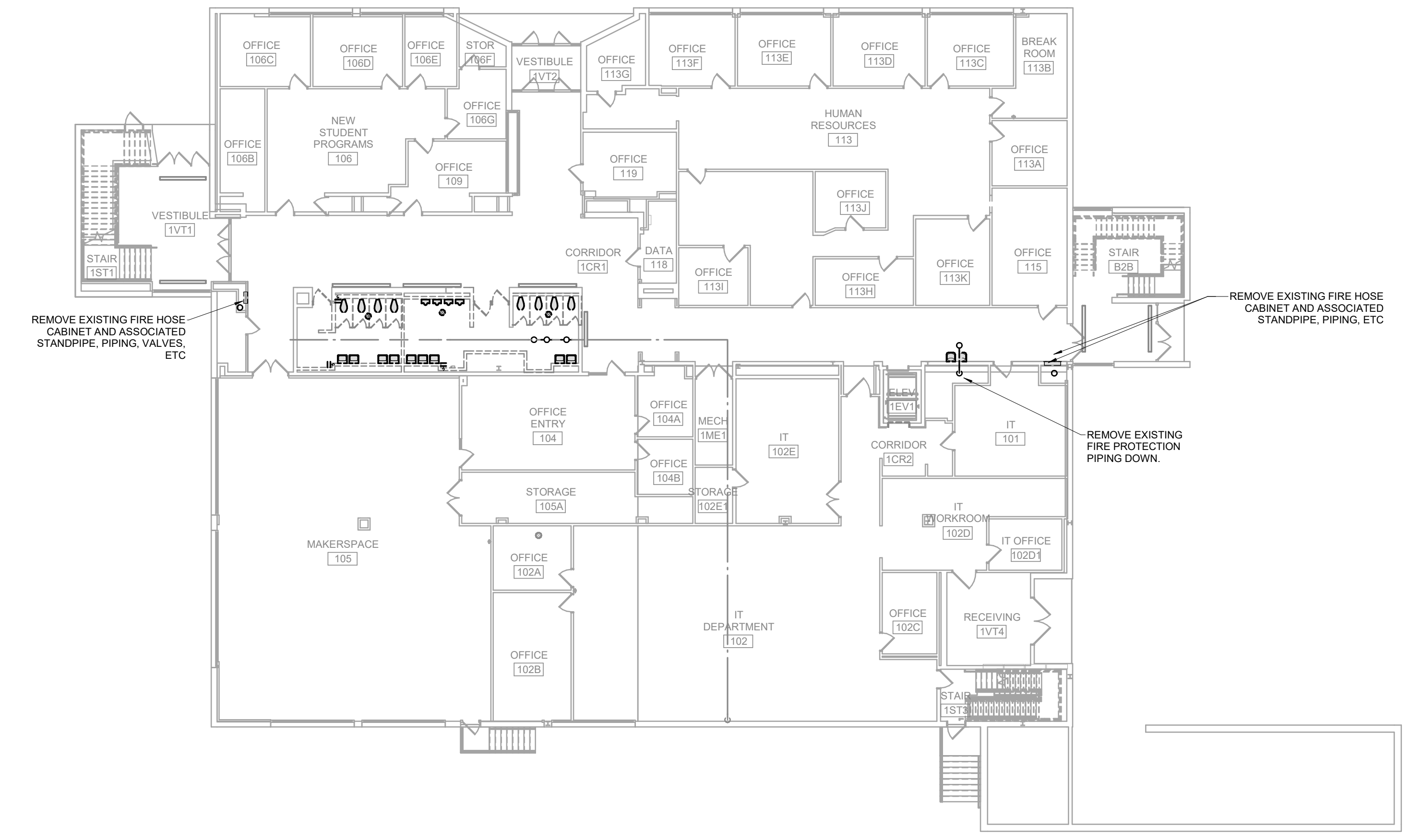


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REVISION SCHEDULE



2 SECOND LEVEL DEMO FIRE PROTECTION PLAN
SCALE: NOT TO SCALE



1 FIRST LEVEL DEMO FIRE PROTECTION PLAN
SCALE: 1/16" = 1'-0"

PROJECT DESCRIPTION:
CENTENNIAL HALL IMPROVEMENTS AND RENOVATION

300 W. 17TH STREET
ROLLA, MO 65409

PROJECT ENGINEER: Approver
DRAWN BY: LDN
CHECKED BY: JAL

PROJECT NUMBER:
22-703A
RC000638

DATE:
8.28.2023

FIRST & SECOND LEVEL SPRINKLER DEMO PLAN

SHEET NUMBER:

FP0-2

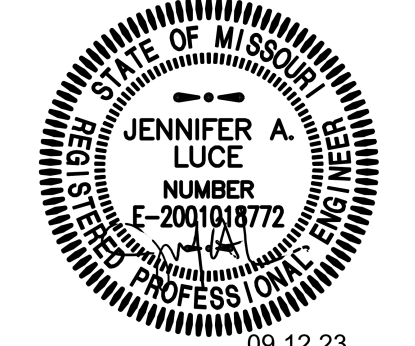
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User: jallison@rtm.com (174) MEP_1023.rvt



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REVISION SCHEDULE

PROJECT DESCRIPTION:
CENTENNIAL HALL IMPROVEMENTS AND RENOVATION
 300 W. 17TH STREET
 ROLLA, MO 65409

PROJECT ENGINEER: Approver
 DRAWN BY: LDN
 CHECKED BY: JAL

PROJECT NUMBER:
 22-703A
 RC000638

DATE:
 8.28.2023

LOWER LEVEL AND MEZZANINE
 SPRINKLER PLAN

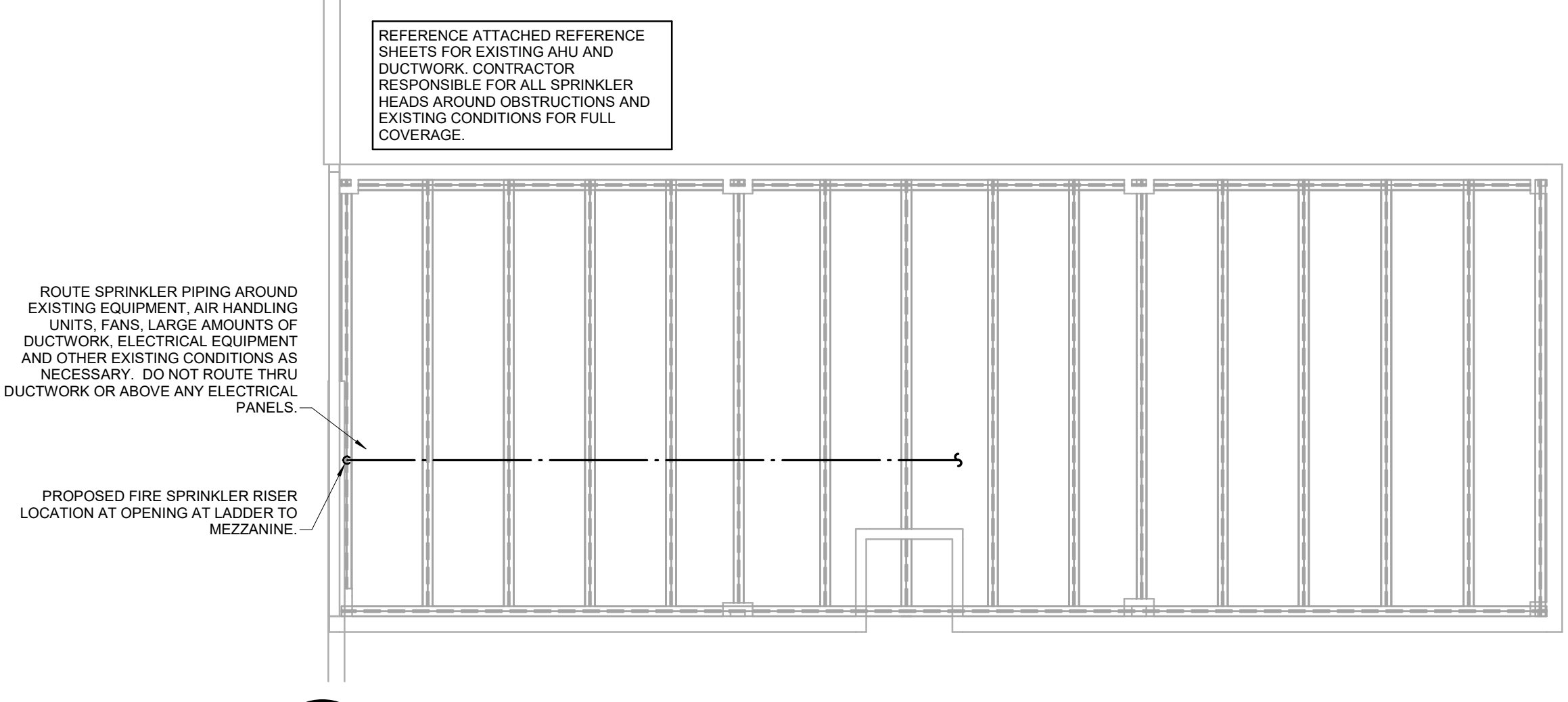
SHEET NUMBER:
FP1-1

GENERAL NOTES:

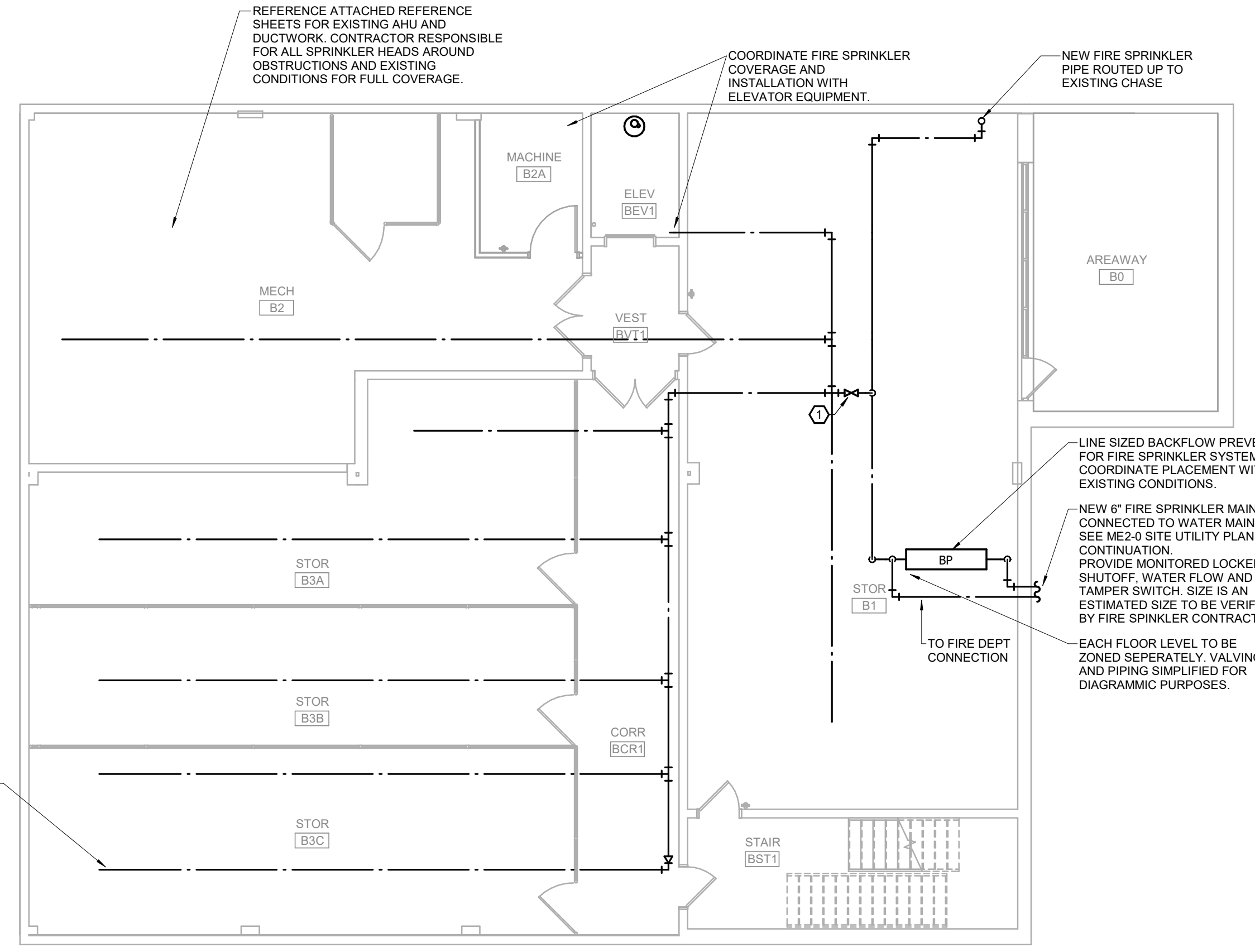
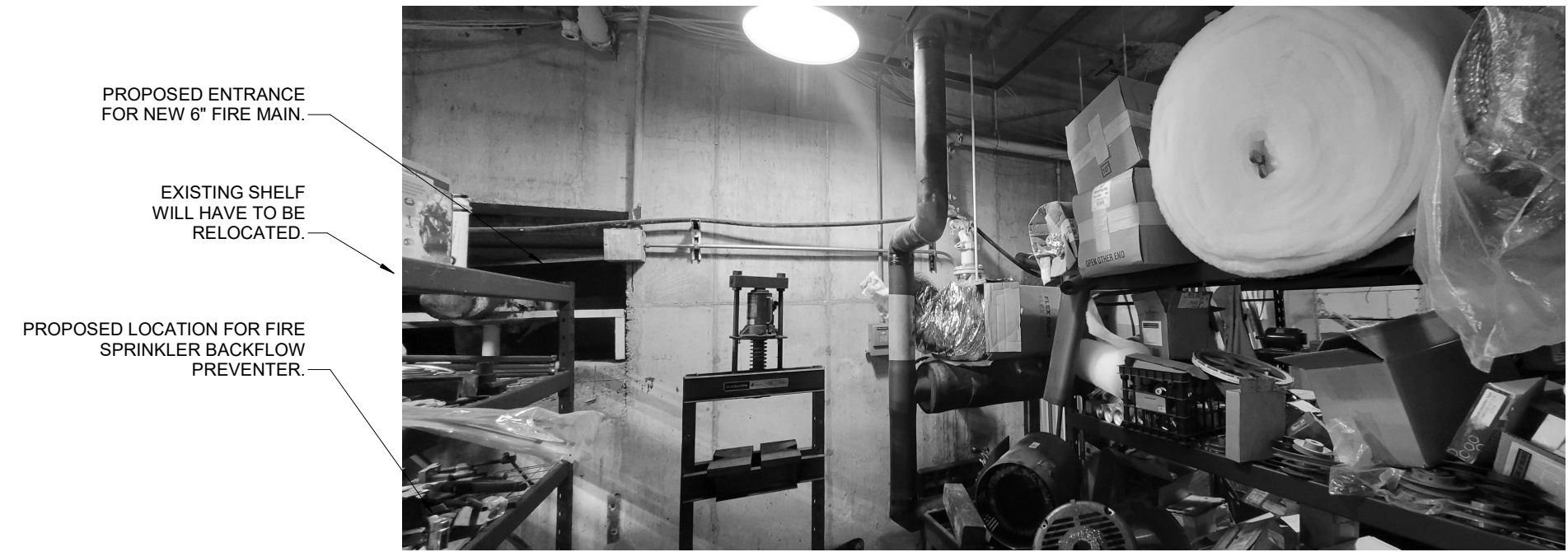
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PLAN HEX NOTES:

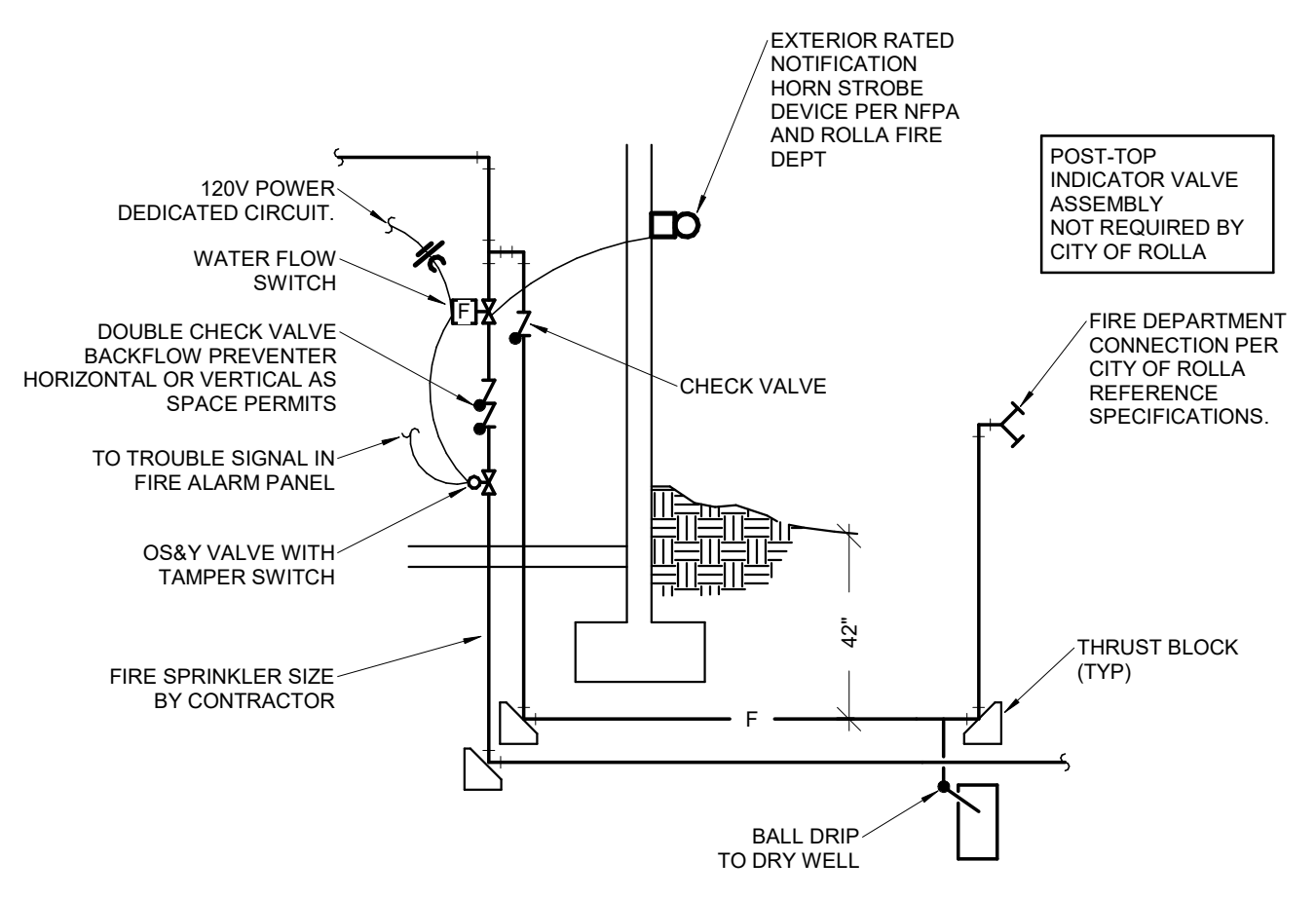
- 1. PROVIDE SHUT-OFF FOR BASEMENT ZONE. PROVIDE TAMPER SWITCH AT VALVE.



2 MECHANICAL MEZZANINE FIRE PROTECTION PLAN
 SCALE: 1/8" = 1'-0" NORTH



1 LOWER LEVEL FIRE PROTECTION PLAN
 SCALE: 1/8" = 1'-0" NORTH



3 FIRE SPRINKLER RISER
 SCALE: NOT TO SCALE

- GENERAL NOTES:**
REFER TO SHEET FP1-1 FOR GENERAL NOTES.
- PLAN HEX NOTES:**
- 1 PROVIDE SHUT-OFF ABOVE ACCESSIBLE CEILING. PROVIDE TAMPER SWITCH AT VALVE.
 - 2 NEW FIRE SPRINKLER PIPING UP.
 - 3 NEW FIRE SPRINKLER PIPING DOWN.
 - 4 MINIMAL SPACE ABOVE RESTROOM CEILING. COORDINATE NEW PIPE ROUTING WITH EXISTING CONDITIONS, DUCTWORK, PLUMBING, AND LIGHT FIXTURES PRIOR TO CONSTRUCTION.

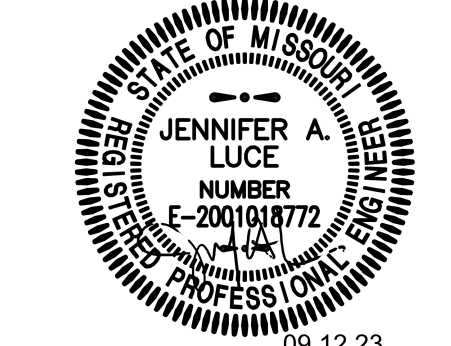


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REVISION SCHEDULE

PROJECT DESCRIPTION:
CENTENNIAL HALL IMPROVEMENTS AND RENOVATION

300 W. 17TH STREET
 ROLLA, MO 65409

PROJECT ENGINEER: Approver
 DRAWN BY: LDN
 CHECKED BY: JAL

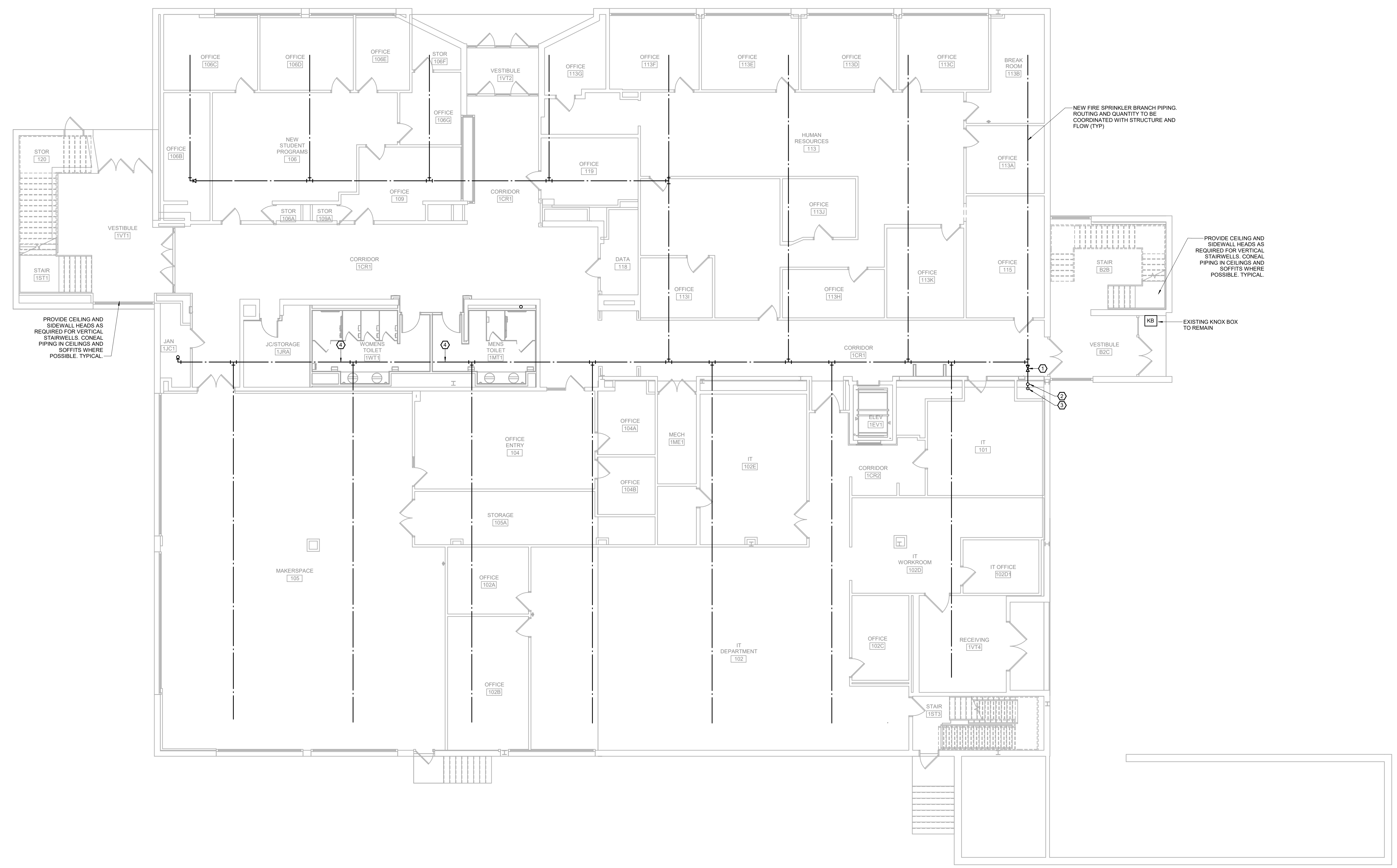
PROJECT NUMBER:
 22-703A
 RC000638

DATE:
 8.28.2023

FIRST LEVEL SPRINKLER PLAN

SHEET NUMBER:

FP1-2



1 FIRST LEVEL FIRE PROTECTION PLAN
 FP1-2 SCALE: 1/8" = 1'-0" NORTH

Altogether Draw (22-703A-SKT) Centennial Hall Improvements (RTH) STC1-MEP-1003.rvt 8/12/2023 3:40:19 PM

GENERAL NOTES:
 REFER TO SHEET FP1-1 FOR GENERAL NOTES.

PLAN HEX NOTES:

- 1 MINIMAL SPACE ABOVE RESTROOM CEILING. COORDINATE NEW PIPE ROUTING WITH EXISTING CONDITIONS, DUCTWORK, PLUMBING, AND LIGHT FIXTURES PRIOR TO CONSTRUCTION.
- 2 PROVIDE SHUT-OFF ABOVE ACCESSIBLE CEILING. PROVIDE TAMPER SWITCH AT VALVE.
- 3 NEW FIRE SPRINKLER PIPING DOWN.



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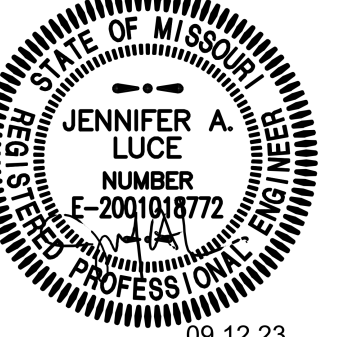
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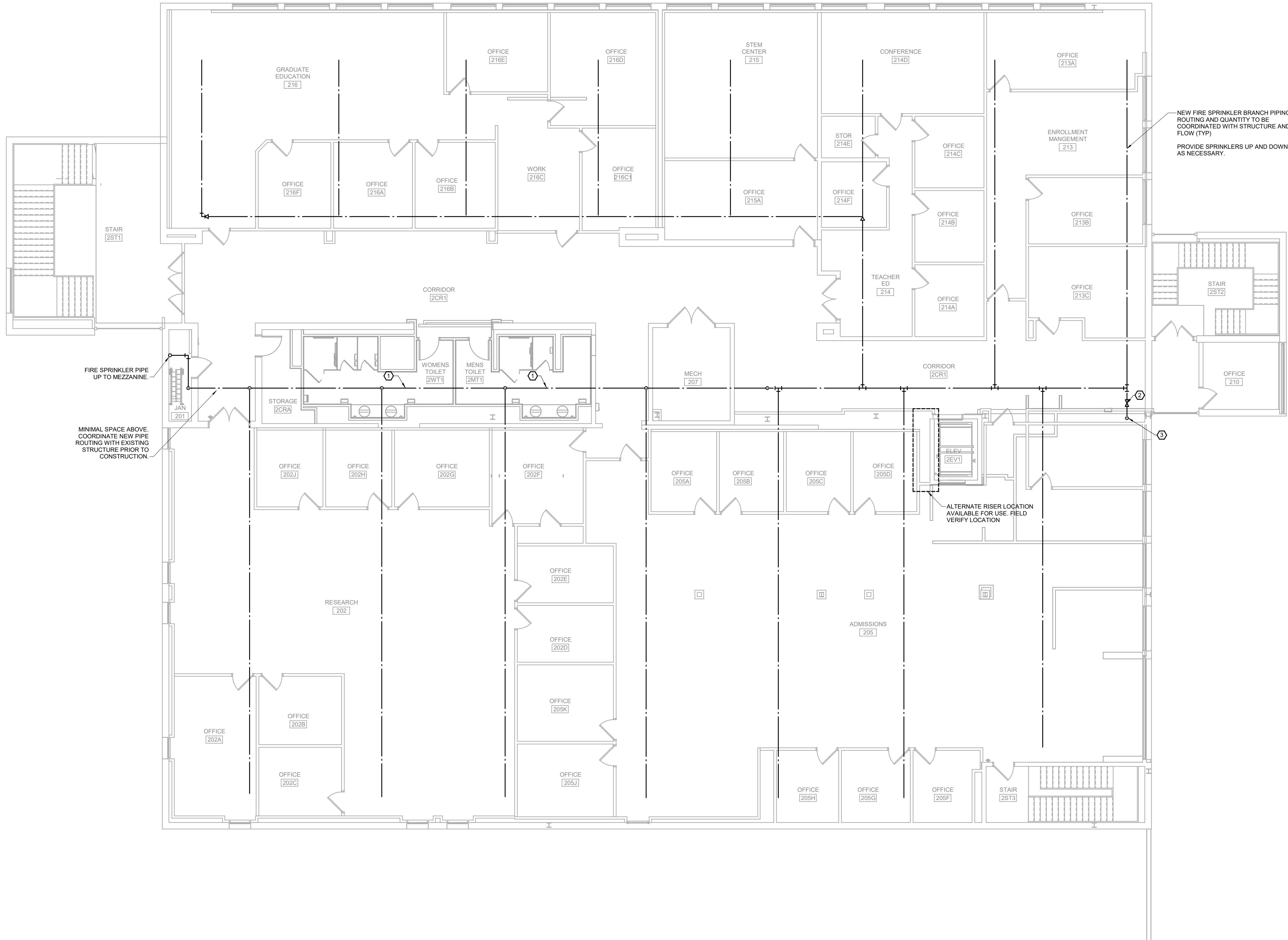
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 CERTIFICATE OF AUTHORITY:
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REVISION SCHEDULE



1 SECOND LEVEL FIRE PROTECTION PLAN
 SCALE: 1/8" = 1'-0" NORTH

CENTENNIAL HALL IMPROVEMENTS AND RENOVATION

PROJECT DESCRIPTION:
 300 W. 17TH STREET
 ROLLA, MO 65409

PROJECT ENGINEER: Approver
 DRAWN BY: LDN
 CHECKED BY: JAL

PROJECT NUMBER:
 22-703A
 RC000638

DATE:
 8.28.2023

SHEET NUMBER:
FP1-3

Altogether Draw (22-703A-S&T) Centennial Hall Improvements (RTM) STC1-MEP-1003.rvt 8/12/2023 3:40:25 PM

GENERAL DEMOLITION NOTES:
REFER TO SHEET P## FOR GENERAL NOTES.

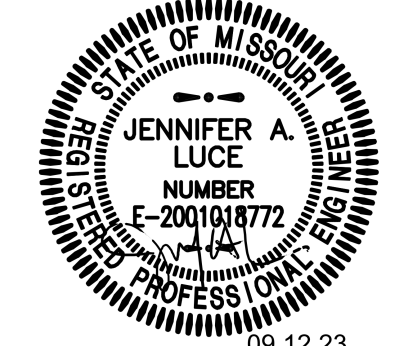


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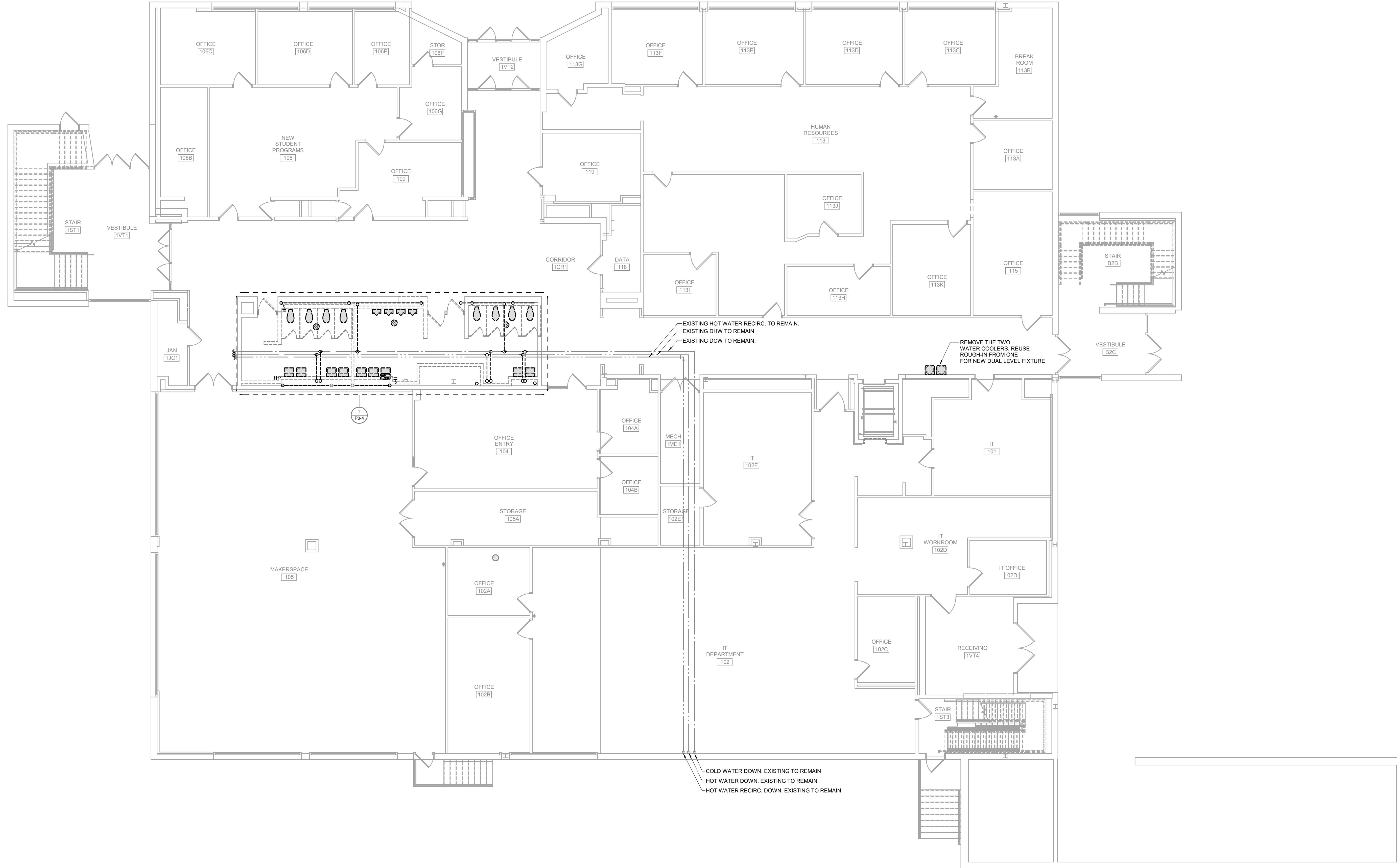
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REVISION SCHEDULE



1
P0-2 **FIRST LEVEL PLUMBING DEMO PLAN**
SCALE: 1/8" = 1'-0" NORTH

PROJECT DESCRIPTION:
CENTENNIAL HALL IMPROVEMENTS AND RENOVATION

PROJECT ENGINEER: Approver
DRAWN BY: LDN
CHECKED BY: JAL

PROJECT NUMBER:
22-703A
RC000638

DATE:
8.28.2023

FIRST LEVEL PLUMBING DEMO PLAN

SHEET NUMBER:

P0-2

Altogether Draw (22-703A) S&T Content.rvt 8/12/2023 3:50:23 PM
JAL Alterations/RTM ST/CL MEP P02.rvt

GENERAL DEMOLITION NOTES:
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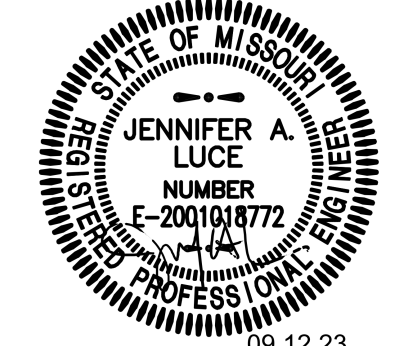


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E-2001018772



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REVISION SCHEDULE



1 SECOND LEVEL PLUMBING DEMO PLAN
SCALE: 1/8" = 1'-0" NORTH

PROJECT DESCRIPTION:
CENTENNIAL HALL IMPROVEMENTS AND RENOVATION

300 W. 17TH STREET
ROLLA, MO 65409

PROJECT ENGINEER: Approver
DRAWN BY: LDN
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22-703A
RC000638

DATE:
8.28.2023

SECOND LEVEL PLUMBING DEMO PLAN

SHEET NUMBER:

P0-3

AltoCAD File: 22-703A_S&T_Consulting @ 8/28/2023 3:50:26 PM
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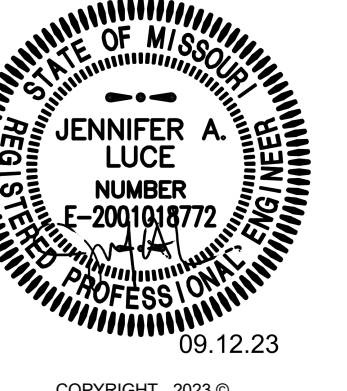


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 #2014055025
 FOR ENGINEERING

JENNIFER A. LUCE
 E-2001018772



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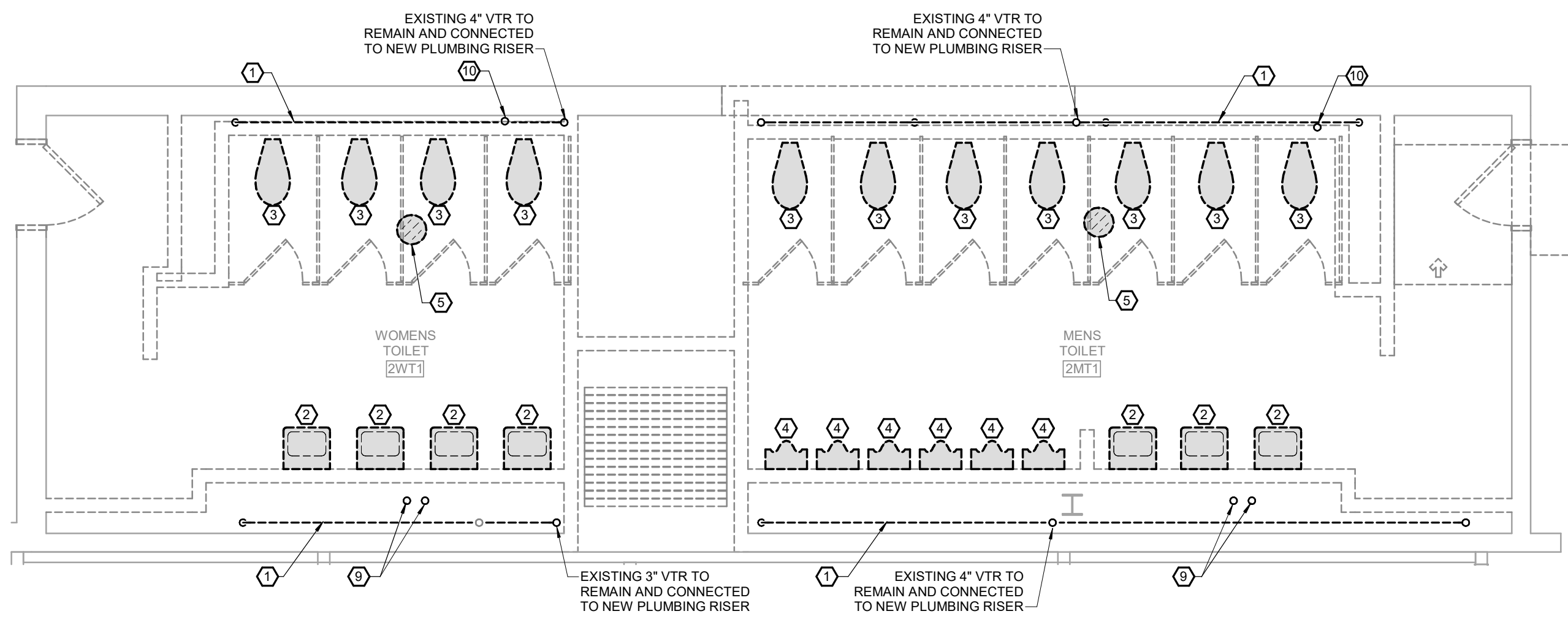
REVISION SCHEDULE

GENERAL DEMOLITION NOTES:

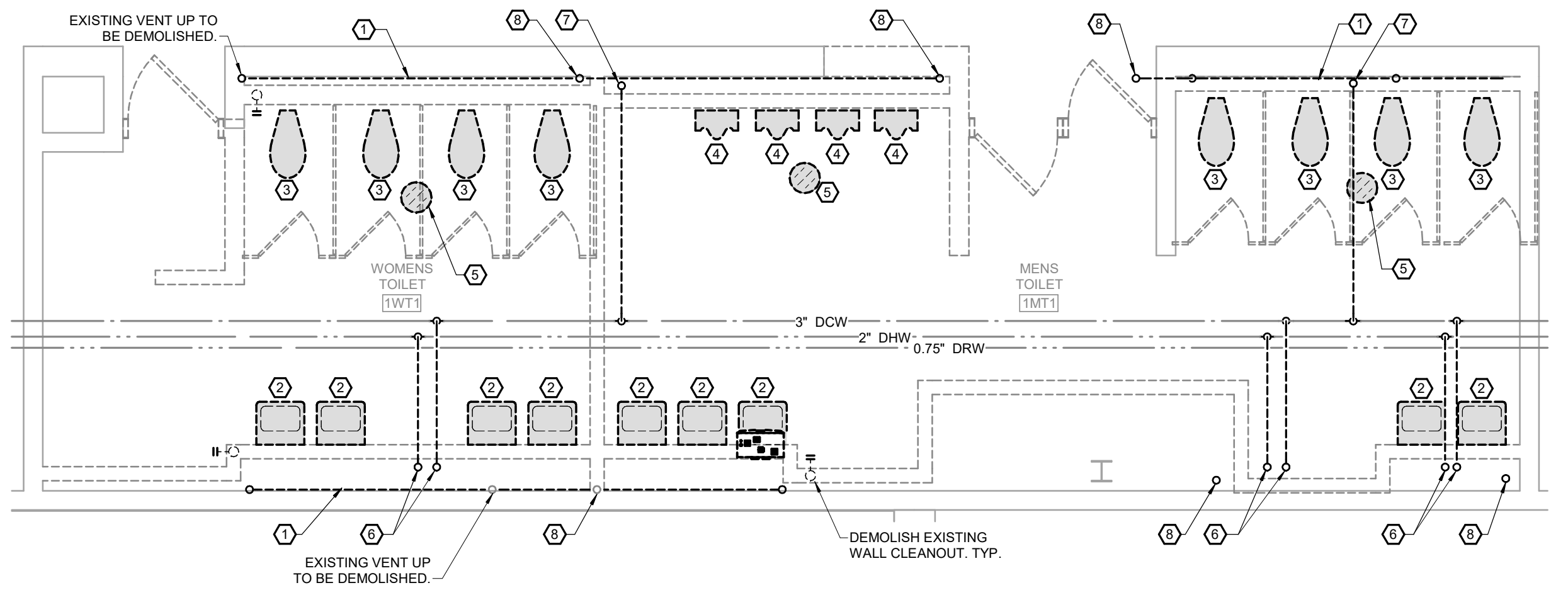
- A. OWNER SHALL HAVE FIRST RIGHT OF REFUSAL FOR ALL DEMOLISHED MATERIALS AND EQUIPMENT. STORE ITEMS ON SITE AS DIRECTED BY OWNER.
- B. EXISTING CONDITIONS ON THIS SET OF BID DOCUMENTS WERE TAKEN FROM EXISTING DRAWINGS, LIMITED SITE VISITS, AND VISUAL OBSERVATIONS. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CHANGE ORDERS WILL NOT BE PAID DUE TO UNANTICIPATED CONDITIONS TO MEET INTENT OF WORK.
- C. REFER TO ARCHITECTURAL DEMOLITION PLANS FOR PHASING AND EXTENTS OF DEMOLITION.
- D. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CORING, PATCH, AND REPAIR OF ALL WALL AND FLOOR SYSTEMS AS REQUIRED DUE TO CONSTRUCTION WORK. MAINTAIN ALL FIRE RATINGS.
- E. REMOVE ALL UNUSED PIPING LOCATED WITHIN THE AREA OF CONSTRUCTION. CAP BRANCH PIPING REMOVED NEAR MAIN. FOR DOMESTIC WATER PIPING PROVIDE SHUTOFF VALVE AT TAP AND CAP. MAIN SEWER LINES, VENT LINES, AND DOMESTIC MAINS SHALL BE REUSED FOR NEW FIXTURES.

PLAN HEX NOTES:

- 1 PLUMBING FIXTURE WASTE CHASE TO BE REMOVED AND REPLACED WITH NEW.
- 2 EXISTING WALL HUNG LAVATORY TO BE DEMOLISHED. COLD WATER, HOT WATER, AND WASTE LINES TO BE DEMOLISHED AND CAPPED AS NECESSARY.
- 3 EXISTING FLOOR MOUNTED FLUSH VALVE WATER CLOSET TO BE DEMOLISHED. COLD WATER AND WASTE LINE CONNECTION TO BE DEMOLISHED AND CAPPED AS NECESSARY.
- 4 EXISTING WALL MOUNTED URINALS TO BE DEMOLISHED. REMOVE AND CAP WATER AND WASTE PIPING NO LONGER USED AS NECESSARY.
- 5 EXISTING FLOOR DRAIN TO BE ABANDONED AND CAPPED IN PLACE. PATCH FLOOR. REMOVE ALL ASSOCIATED PIPING.
- 6 EXISTING HOT AND COLD WATER DOWN TO LAVATORIES AND UP TO SERVICE SECOND LEVEL RESTROOM LAVATORIES TO BE REMOVED.
- 7 EXISTING DOMESTIC COLD WATER TO PLUMBING FIXTURES, UP AND DOWN, TO BE REMOVED.
- 8 REMOVE EXISTING WASTE AND VENT PIPING RISING UP TO SERVER SECOND FLOOR RESTROOMS.
- 9 EXISTING HOT AND COLD WATER PIPING DOWN. EXISTING WATER PIPING TO LAVATORIES TO BE REMOVED AND REPLACED WITH NEW PIPING EXTENDED TO NEW LOCATIONS.
- 10 EXISTING WATER PIPING SERVING RESTROOM FIXTURES TO BE REMOVED.



2 SECOND LEVEL RESTROOM PLUMBING DEMO PLAN
 SCALE: 1/4" = 1'-0"
 NORTH



1 FIRST LEVEL RESTROOM PLUMBING DEMO PLAN
 SCALE: 1/4" = 1'-0"
 NORTH

PROJECT DESCRIPTION:
CENTENNIAL HALL IMPROVEMENTS AND RENOVATION
 300 W. 17TH STREET
 ROLLA, MO 65409

PROJECT ENGINEER: Approver
 DRAWN BY: LDN
 CHECKED BY: JAL

PROJECT NUMBER:
 22-703A
 RC000638

DATE:
 8.28.2023

ENLARGED PLUMBING DEMO PLAN

SHEET NUMBER:

P0-4



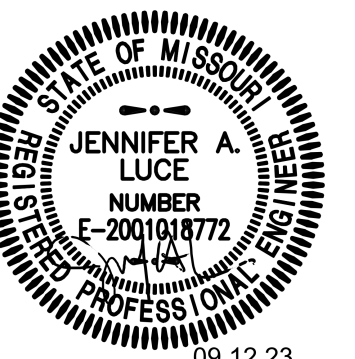
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REVISION SCHEDULE

PROJECT DESCRIPTION:
**CENTENNIAL HALL IMPROVEMENTS
AND RENOVATION**

300 W. 17TH STREET
ROLLA, MO 65409

PROJECT ENGINEER: Approver
DRAWN BY: LDN
CHECKED BY: JAL

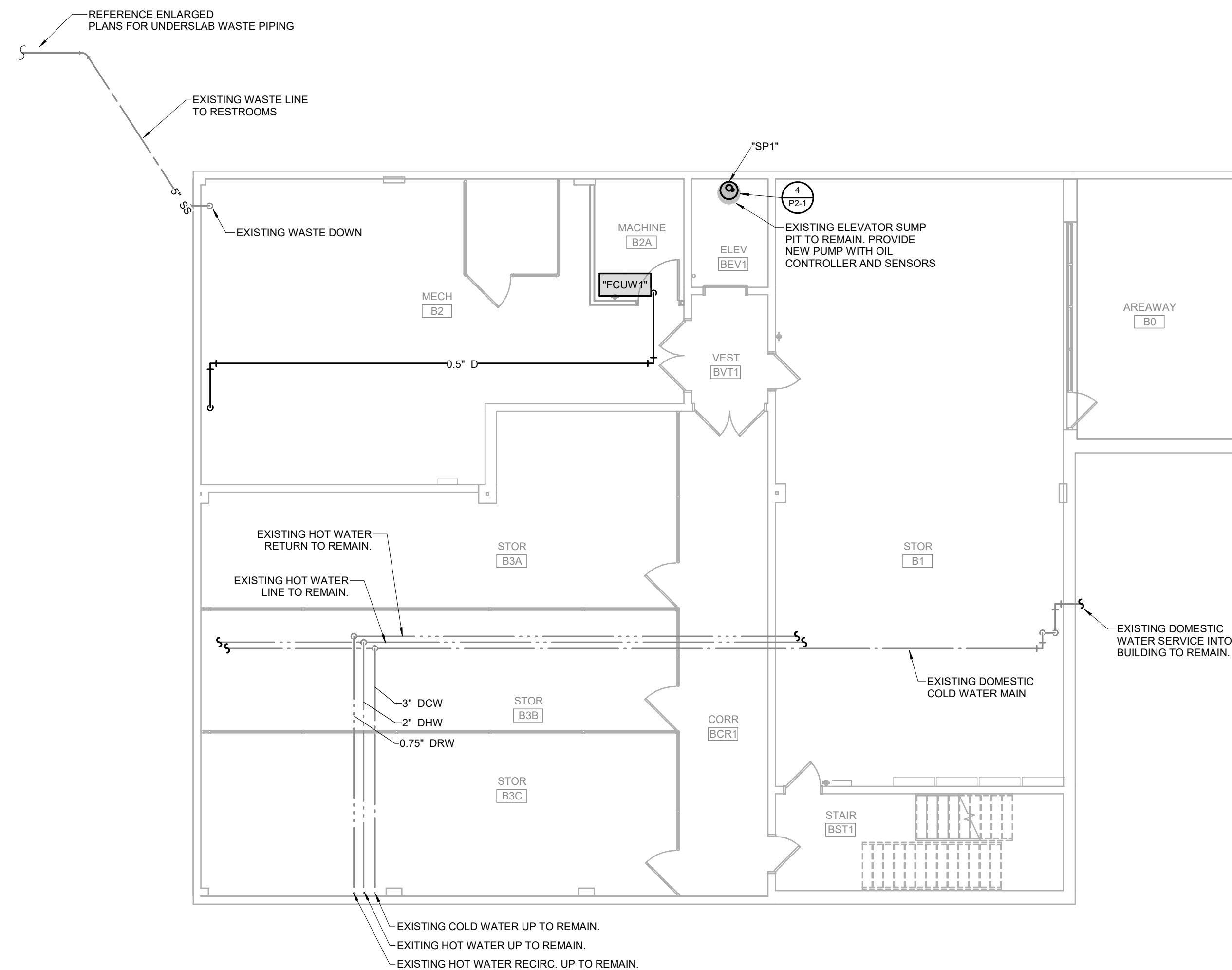
PROJECT NUMBER:
22-703A
RC000638

DATE:
8.28.2023

LOWER LEVEL
PLUMBING PLAN

SHEET NUMBER:

P1-1



1 LOWER LEVEL PLUMBING PLAN
P1-1 SCALE: 1/8" = 1'-0" NORTH

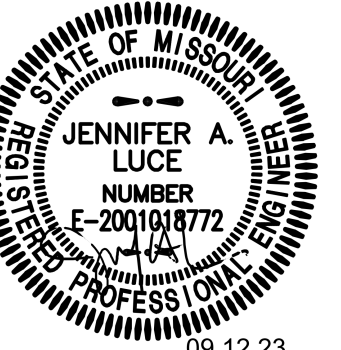


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REVISION SCHEDULE

PROJECT DESCRIPTION:
**CENTENNIAL HALL IMPROVEMENTS
 AND RENOVATION**
 300 W. 17TH STREET
 ROLLA, MO 65409

PROJECT ENGINEER: Approver
 DRAWN BY: LDN
 CHECKED BY: JAL

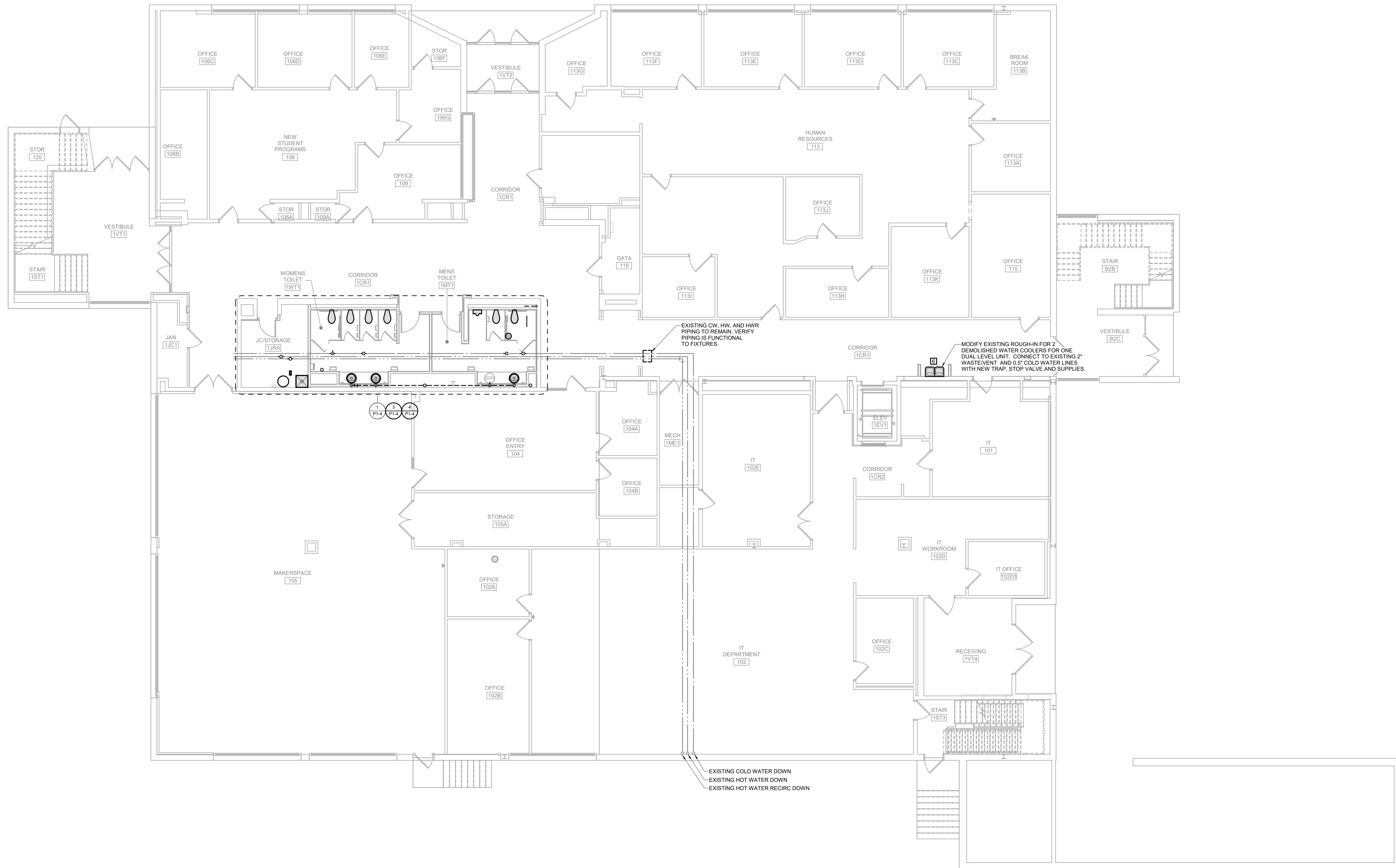
PROJECT NUMBER:
 22-703A
 RC000638

DATE:
 8.28.2023

**FIRST LEVEL
 PLUMBING PLAN**

SHEET NUMBER:

P1-2



1 FIRST LEVEL PLUMBING PLAN
 SCALE: 1/8" = 1'-0" NORTH

GENERAL NOTES:
 A. REFER TO GENERAL NOTES ON P2-1.

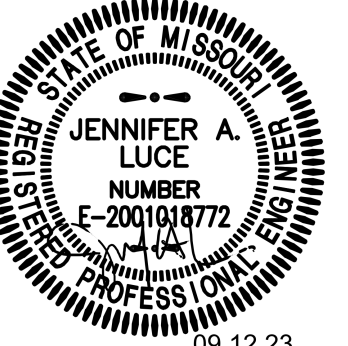


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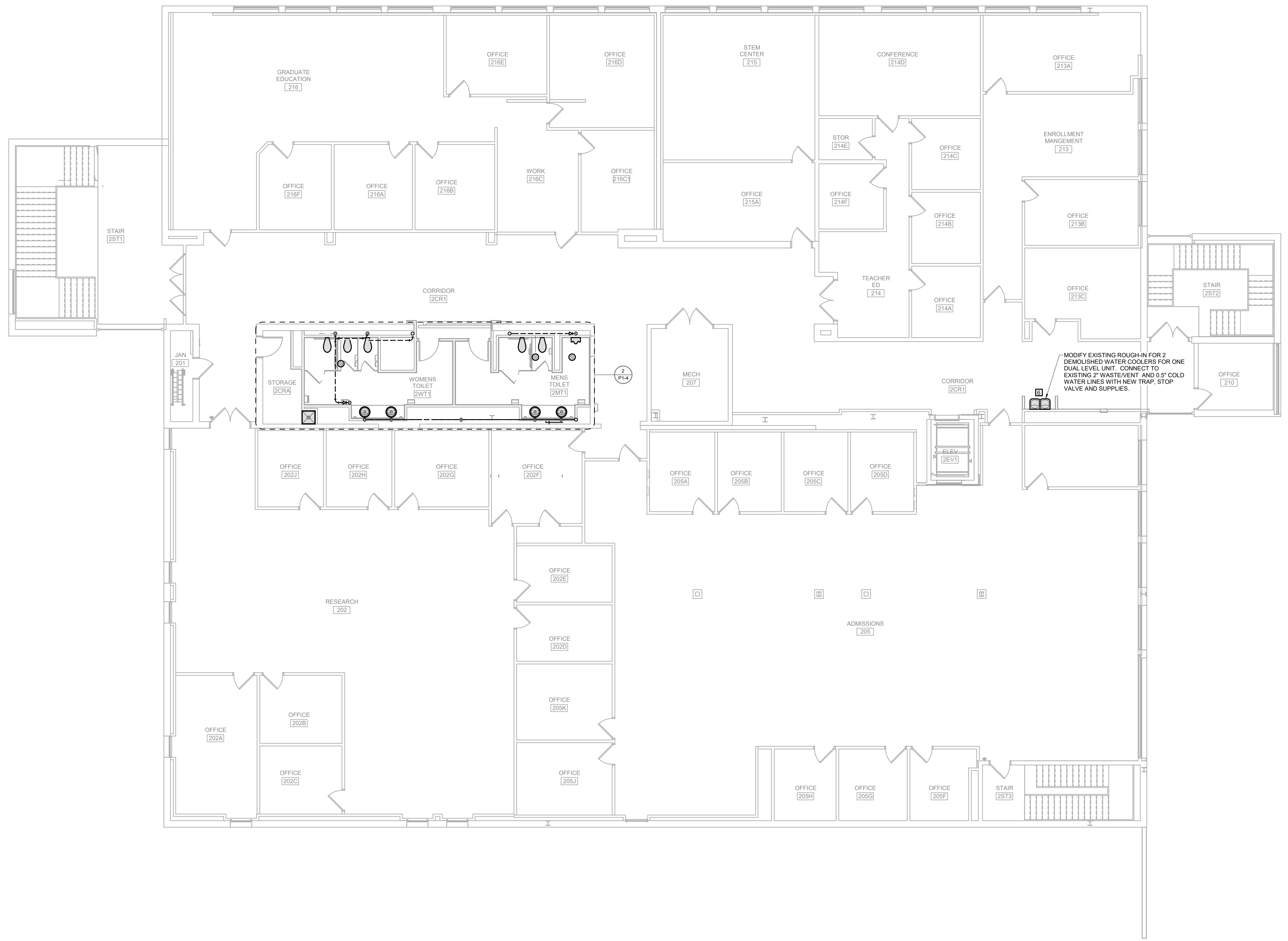
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REVISION SCHEDULE



MODIFY EXISTING ROUGH-IN FOR 2 DEMOLISHED WATER COOLERS FOR ONE DUAL LEVEL UNIT. CONNECT TO EXISTING 2" WASTEVENT AND 0.5" COLD WATER LINES WITH NEW TRAP, STOP VALVE AND SUPPLIES.

1 SECOND LEVEL PLUMBING PLAN
 P1-3 SCALE: 1/8" = 1'-0" NORTH

PROJECT DESCRIPTION:
CENTENNIAL HALL IMPROVEMENTS AND RENOVATION

300 W. 17TH STREET
 ROLLA, MO 65409

PROJECT ENGINEER: Approver
 DRAWN BY: LDN
 CHECKED BY: JAL

PROJECT NUMBER:
 22-703A
 RC000638

DATE:
 8.28.2023

SECOND LEVEL PLUMBING PLAN

SHEET NUMBER:
P1-3

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 User: jallison@rtm ARCHITECTURE\RTM-STC1-MEP-1023.rvt

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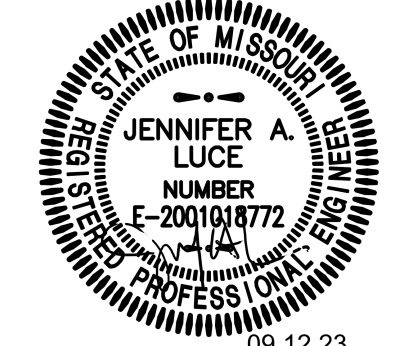


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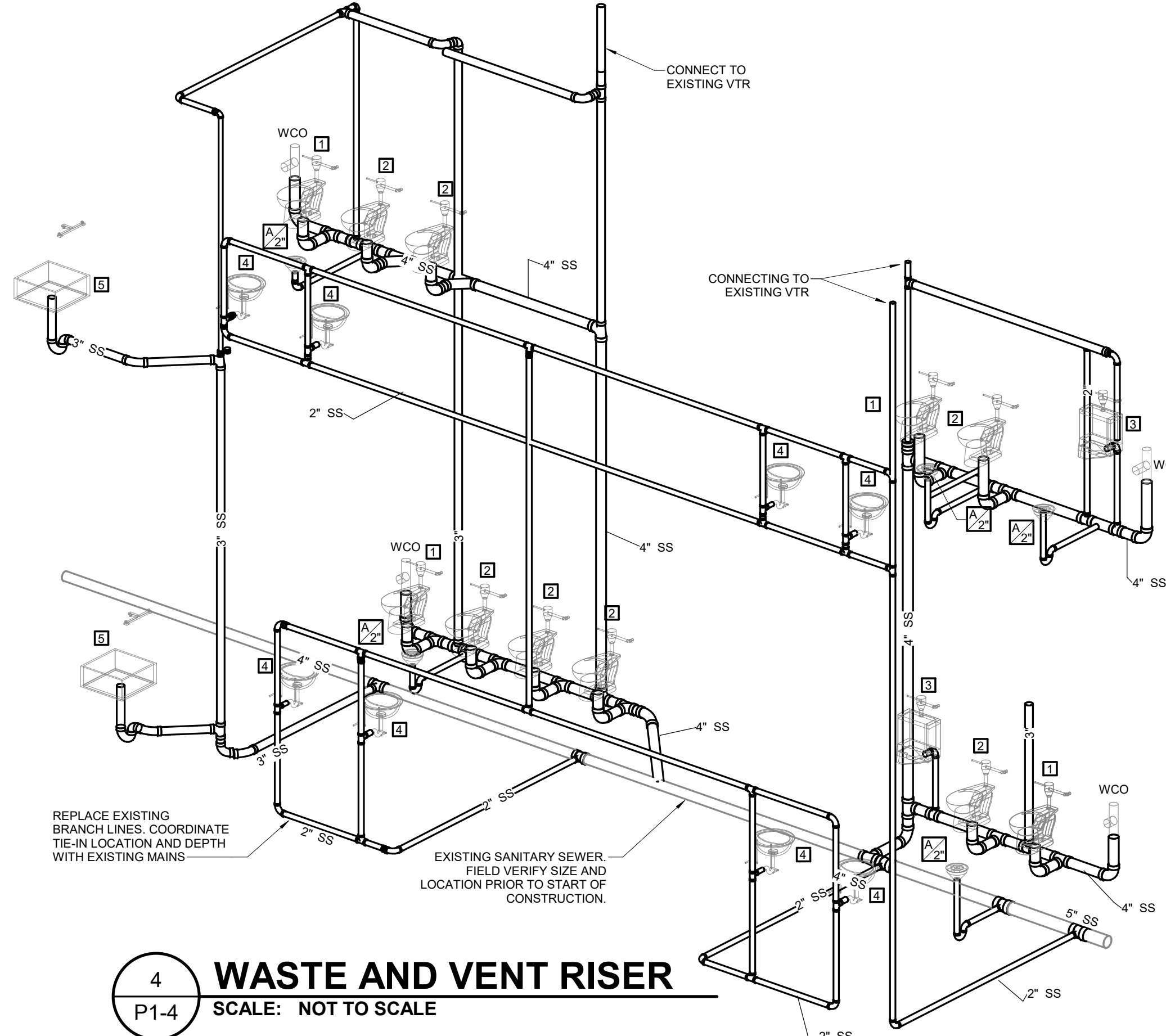
REVISION SCHEDULE

GENERAL NOTES:

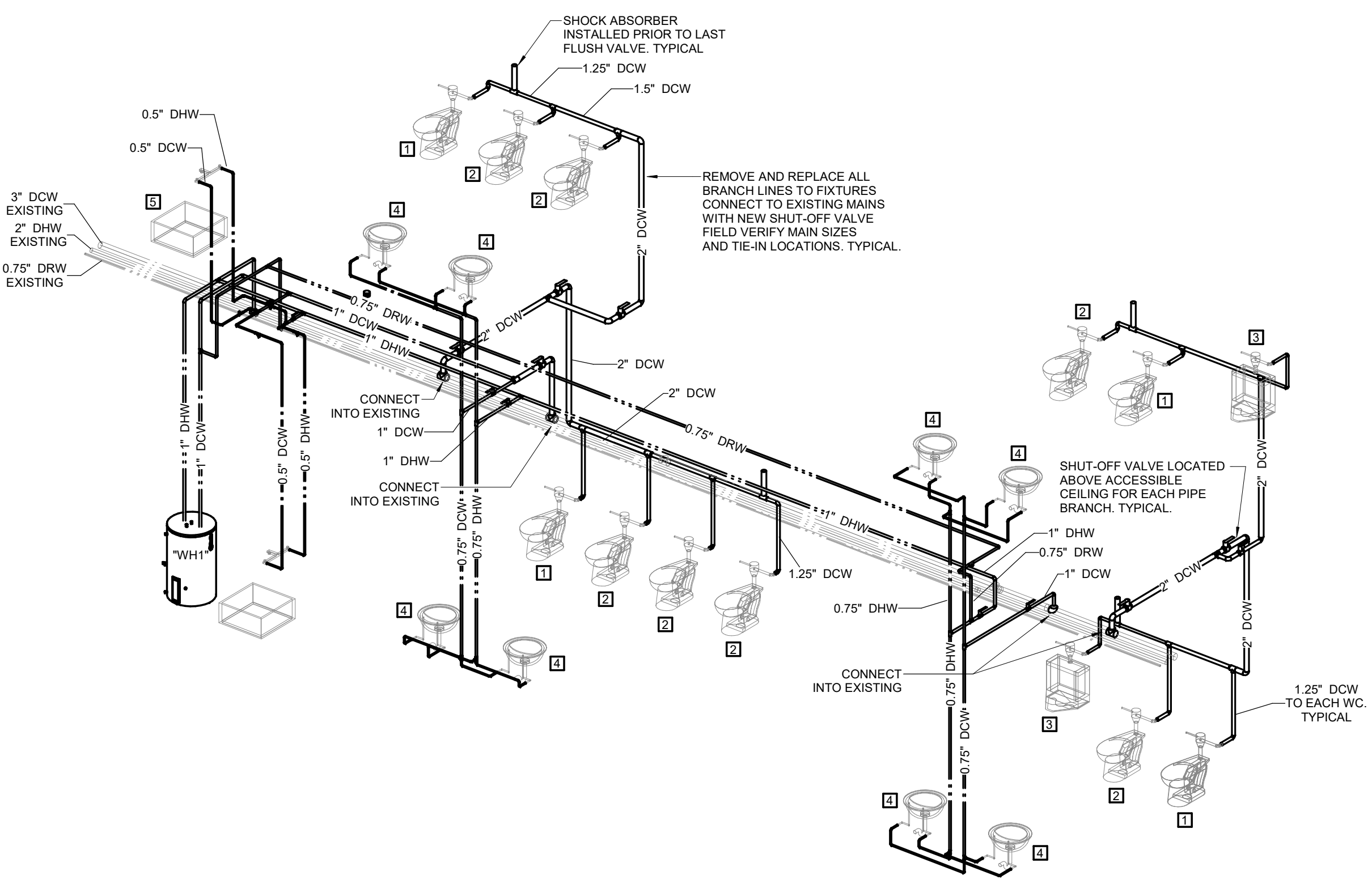
- A. CONTRACTOR SHALL CONTACT THE UNIVERSITY AND ARRANGE FOR FIRE SERVICE AS INDICATED ON DRAWINGS. PROVIDE ALL MATERIALS AS REQUIRED FOR SERVICE INSTALLATION. ALL WORK SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF LOCAL AUTHORITIES.
- B. PROVIDE ALL PIPING ADJUSTMENTS AS NEEDED FOR NEW PLUMBING FIXTURE LAYOUT. PROVIDE ANY REQUIRED CUTTING AND PATCHING AS NEEDED FOR REPLACEMENT OR TIE-IN. CLEAN AND FLUSH OUT NEW PIPING. ALL PIPING SHALL BE PRESSURE TESTED IN ACCORDANCE WITH CODES AND LOCAL AUTHORITIES. PROVIDE ALL NEW WASTE PIPING ABOVE GRADE FOR NEW WALL MOUNT PLUMBING FIXTURES. VERIFY ROUTING, SLOPE, AND TIE-IN LOCATION. EXTEND NEW VENT LINES UP AND CONNECT TO EXISTING.
- C. INSTALL ALL PIPING PARALLEL WITH BUILDING LINES AND PARALLEL WITH OTHER PIPING TO OBTAIN A NEAT AND ORDERLY APPEARANCE OF PIPING SYSTEMS. ALL PIPING SHALL BE CONCEALED UNLESS NOTED OTHERWISE. SECURE PIPING WITH APPROVED ANCHORS AND PROVIDE GUIDES WHERE REQUIRED TO INSURE PROPER DIRECTION OF PIPING EXPANSION. PIPING SHALL BE INSTALLED SO THAT ALLOWABLE STRESS FOR PIPING, VALVES, AND FITTINGS USED ARE NOT EXCEEDED DURING NORMAL OPERATION OR TESTING OF PIPING SYSTEM.
- D. PROVIDE PLUMBING FIXTURES AS SHOWN ON DRAWINGS AS SPECIFIED COMPLETE INCLUDING PIPING AND CONNECTIONS. FIXTURES FITTING AGAINST WALLS SHALL HAVE GROUND BACKS. EXPOSED PIPING AND FITTING SHALL BE CHROME PLATED. SET FIXTURES TRUE AND LEVEL WITH ALL NECESSARY SUPPORTS FOR FIXTURES INSTALLED BEFORE PLASTERING IS DONE. NIPPLES THROUGH WALL TO FIXTURE CONNECTION SHALL BE CHROME PLATED BRASS. CONTRACTOR MAY USE COPPER STUB OUTS TO STOPS UNDER LAVATORIES. PROVIDED DEEP ESCUTCHEONS ARE USED AND NO COPPER IS VISIBLE IN LIEU OF CHROME NIPPLES. PROVIDE ALL NEW CHROME PLATED BRASS TRAPS AND STAINLESS-STEEL SUPPLIES WITH COMPRESSION INLET ANGLE COMPRESSION STOP AT ALL APPLICABLE FIXTURES. PROVIDE OFFSET TRAPS AND FLUSH LEVER FOR URINALS AND WATER CLOSET AS REQUIRED FOR ADA COMPLIANCE. PROVIDE FLOOR MOUNT NEW CARRIERS FOR PLUMBING FIXTURES. ALL FIXTURES SHALL BE INSTALLED FOR ADA COMPLIANCE.
- E. ACCESS PANELS SHALL BE PROVIDED WHEREVER NECESSARY TO PROVIDE ACCESS TO VALVES, TRAPS, ETC., LOCATED IN CONCEALED SPACES. EACH FIRE DAMPER, AUTOMATIC SPLITTER DAMPER, ETC., SHALL HAVE AN ACCESS PANEL. SIZE SHALL BE ADEQUATE FOR INSPECTION AND REMOVAL OF EQUIPMENT AND NONE SHALL BE LESS THAN 12-INCH BY 6-INCH.

PLAN HEX NOTES:

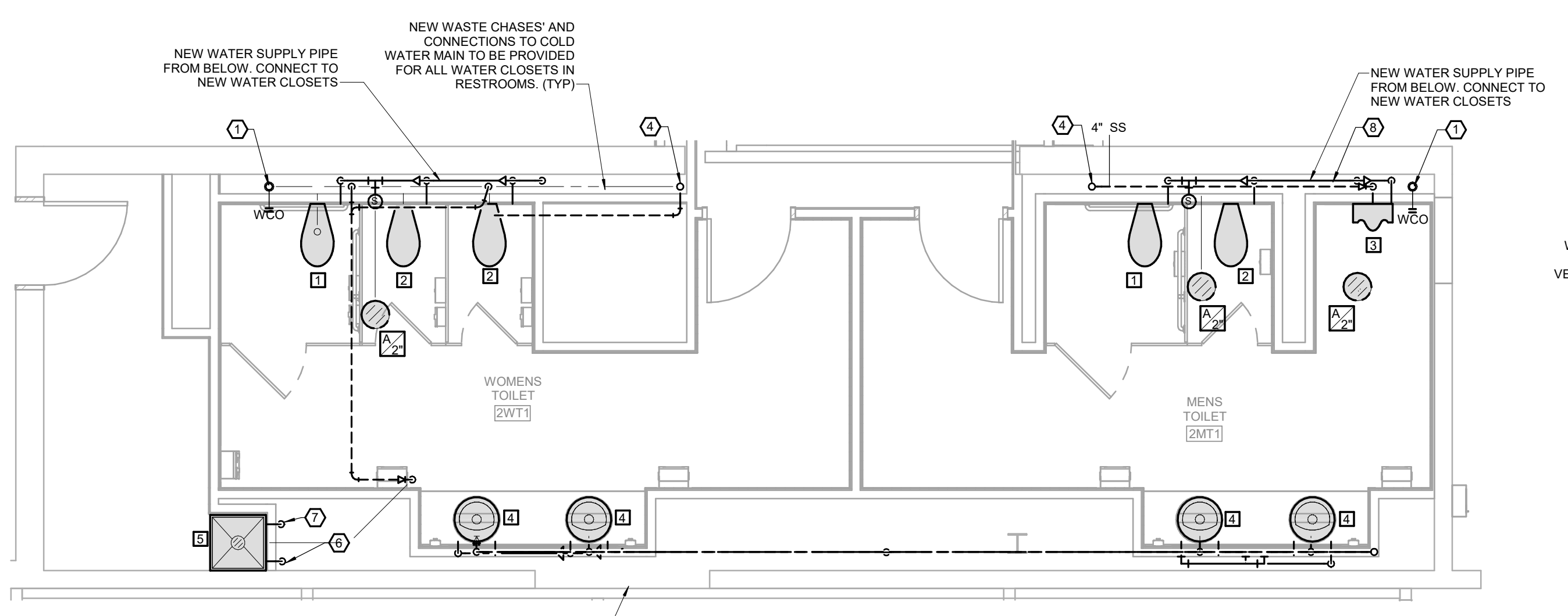
- 1 4" WASTE UP TO WALL CLEANOUT.
- 2 2" WASTE UP TO URINAL.
- 3 0.75" DOMESTIC COLD AND HOT WATER DOWN TO FIRST FLOOR LAVATORIES AND UP TO SECOND FLOOR LAVATORIES. TEE AT EACH LEVEL AND PROVIDE 0.5" HOT AND COLD WATER TO EACH LAVATORY.
- 4 4" WASTE PIPING DOWN.
- 5 3" CIRCUIT VENT UP.
- 6 0.75" COLD WATER UP AND DOWN TO JANITOR BASINS. PROVIDE VERTICAL SHUTOFF TO SECOND FLOOR BASIN.
- 7 0.75" HOT WATER UP AND DOWN TO JANITOR BASINS. PROVIDE VERTICAL SHUTOFF TO SECOND FLOOR BASIN.
- 8 3" CIRCUIT VENT UP. CONNECT TO EXISTING VENT THROUGH ROOF.



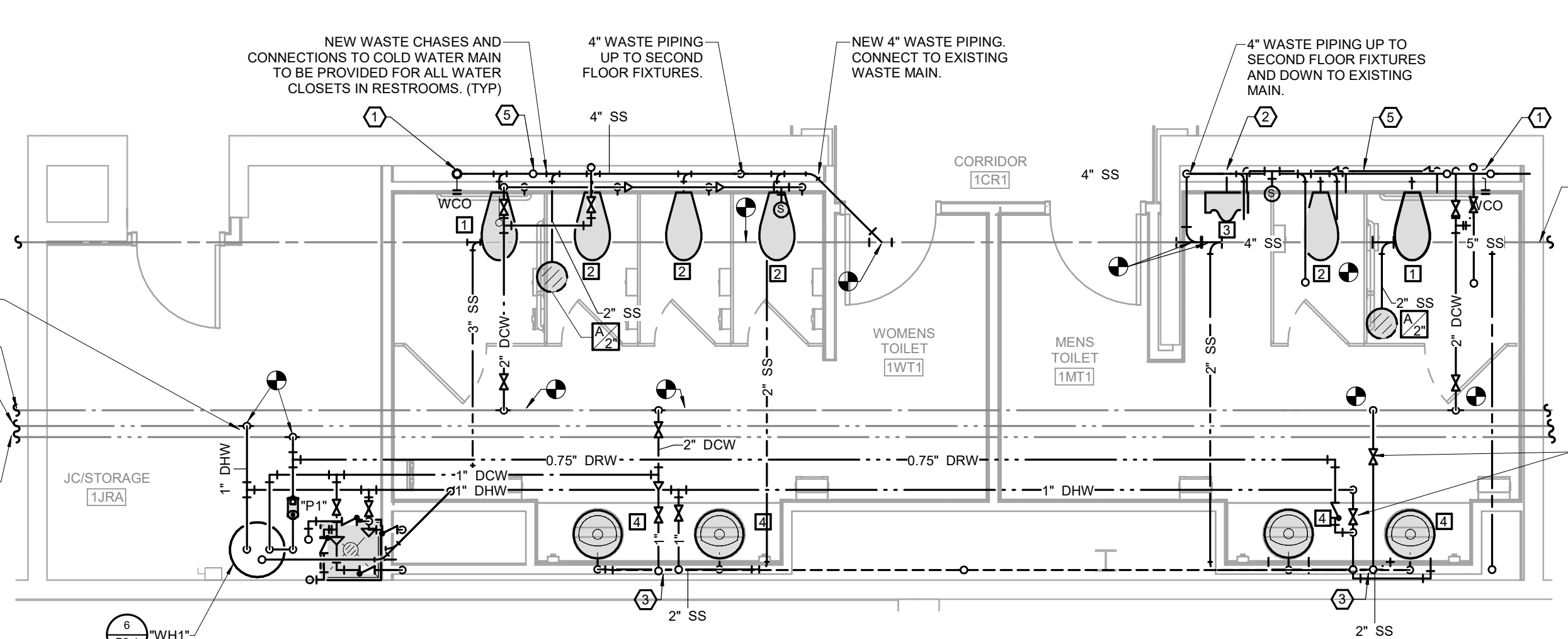
4 WASTE AND VENT RISER
 SCALE: NOT TO SCALE



3 DOMESTIC WATER RISER
 SCALE: NOT TO SCALE



2 SECOND LEVEL RESTROOM PLUMBING PLAN
 SCALE: 1/4" = 1'-0"



1 FIRST LEVEL RESTROOM PLUMBING PLAN
 SCALE: 1/4" = 1'-0"

CENTENNIAL HALL IMPROVEMENTS AND RENOVATION

PROJECT DESCRIPTION:
 300 W. 13TH STREET
 ROLLA, MO 65409

PROJECT ENGINEER: Approver
 DRAWN BY: LDN
 CHECKED BY: JAL

PROJECT NUMBER:
 22-703A
 RC000638
 DATE:
 8.28.2023

ENLARGED PLUMBING PLAN

SHEET NUMBER:
P1-4

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 Plot: P1-4.rvt

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PLUMBING FIXTURE SCHEDULE

PLAN MARK	DESCRIPTION	MANUFACTURER	MODEL	TRIM	CONNECTION SIZES				NOTES
					CW (IN)	HW (IN)	W (IN)	V (IN)	
1	ADA FLOOR MOUNT, FLUSH VALVE, BOTTOM OUTLET, WATER CLOSET	AMERICAN STANDARD	MADERA - 3461.001	FLUSH VALVE: ZURN ZER-6000-CPM-HET, OLSONITE 95SSCT OPEN FRONT WHITE SEAT LESS COVER	1.25	-	4	2	COORDINATE SPUD SIZE WITH FLUSH VALVE SUPPLIED (BATTERY FLUSH VALVE). FLUSH CONTROLS SHALL BE LOCATED ON OPEN SIDE OF ACCESSIBLE WATER CLOSETS.
2	FLOOR MOUNT, FLUSH VALVE, BOTTOM OUTLET, WATER CLOSET	AMERICAN STANDARD	MADERA - 2234.001	FLUSH VALVE: ZURN ZER-6000-CPM-HET, OLSONITE 95SSCT OPEN FRONT WHITE SEAT LESS COVER	1.25	-	4	2	COORDINATE SPUD SIZE WITH FLUSH VALVE SUPPLIED (ZURN ZER-6000-CPM-HET). FLUSH CONTROLS SHALL BE LOCATED ON OPEN SIDE OF ACCESSIBLE WATER CLOSETS.
3	WALL MOUNTED URINAL	AMERICAN STANDARD	PINTBROOK - 6002.001	FLUSH VALVE: ZURN ZER6203-CPM/WALL CARRIER	1	-	2	1.5	ZURN ZER6203-CPM-EWS BATTERY FLUSH VALVE REFER TO ARCHITECTURAL DRAWINGS FOR ACTUAL MOUNTING HEIGHT. COORDINATE SPUD SIZE WITH FLUSH VALVE SUPPLIED.
4	OVAL UNDERMOUNT LAVATORY	ZURN	Z5220	FAUCET: ZURN ZB9950-XL-S-IM-TM-V-1, THERMOSTATIC MIXING VALVE, GRID DRAIN, TRAP, SUPPLIES, SUPPLY STOPS	0.5	0.5	1.5	1.5	FAUCET HOLES TO MATCH FAUCET SPECIFIED. PROVIDE INSULATION KIT ON ALL ACCESSIBLE FIXTURES WITH EXPOSED TRAP AND SUPPLIES. ASSE 1070 MIXING VALVE, GRID DRAIN, MOP BASIN WITH CONTINUOUS STAINLESS STEEL CAPS ON ALL CURBS.
5	FLOOR MOUNT, 24X24X10, JANITOR'S BASIN	FIAT	MSB-2424	FAUCET: FIAT MODEL 830AA, ASSE 1070 MIXING VALVE, CHECK VALVE ON EACH SUPPLY, QDC-35N QUICK CONNECTOR, SS WALL GUARD, 3" GRID DRAIN	0.5	0.5	3	1.5	
6	WALL HUNG BI-LEVEL BARRIER FREE ELECTRIC WATER COOLER WITH BOTTLE FILLER	ELKAY	LZSTL68WSLK	MOUNT ON STAINLESS STEEL PLATE OVER PREVIOUS INSTALLATION FOR THE WIDTH OF THE ENCLOSED AREA	0.5	-	2	1.5	WALL CARRIER, FILTER, ADA COMPLIANT. REFER TO ARCHITECTURAL DRAWINGS FOR ACTUAL MOUNTING HEIGHT OF EACH COOLER. CAPACITY OF 8.0 GPH BASED UPON 80 DEGREE F. ROOM TEMPERATURE AND 50 DEGREE F. DRINKING WATER TEMPERATURE.

DRAINAGE PIPE SPECIALTY SCHEDULE

PLAN MARK	DESCRIPTION	MANUFACTURER	MODEL	TRIM	NOTES
A	7" ROUND FLOOR DRAIN	J.R. SMITH	2010-A	NICKEL BRONZE STRAINER, DEEP SEAL TRAP, SURE SEAL WATERLESS TRAP PRIMER	DRAIN SIZE SHALL MATCH SANITARY BRANCH SERVING DRAIN. REFERENCE PLANS FOR SIZE.
WCO	WALL CLEANOUT	J.R. SMITH	4532 WITH CLEANOUT PLUG OR 4512 WITH COUNTERSUNK PLUG	PROVIDE CLEANOUT PLUG AND STAINLESS STEEL ACCESS COVER IN FINISHED AREAS. PROVIDE COUNTER SUNK PLUG IN UNFINISHED AREAS.	CLEANOUT TO BE FULL SIZE OF SOIL PIPE UP TO AND INCLUDING 4-INCH ID. REFERENCE PLANS FOR SOIL PIPE SIZE.

PIPE MATERIAL SCHEDULE

SYSTEM	PIPING										MAX. WORKING		FIELD TEST	
	SIZE	TYPE	SCHEDULE	GRD	ASTM	MATERIAL	MATERIAL	TYPE	PRESS. (PSI)	TEMP. (°F)	PRESS. (PSI)	TIME		
DOMESTIC WATER ABOVE GRADE	ALL	L	-	-	B88	CP	CP	SJ	120	40-180	150	1 HR		
FIRE SPRINKLER SERVICE	4" & UP	PVC	-	-	AWWA C900	PVC	DI	MJ	200	50-90	200	2 HR		
FIRE PROTECTION	ALL	STEEL	40	-	PER	NFPA	13	-	-	-	200	2 HR		
WASTE & VENT BELOW GRADE	ALL	DWV	40	-	2665	PVC	PVC	DR/SH	10 FT	50-140	10 FT	1 HR		
WASTE & VENT ABOVE GRADE (PLENUM RETURN)	ALL	NH	SS	-	A74	CI	CI	DR/NH	10 FT	50-180	10 FT	1 HR		
SUMP PUMP DISCHARGE	ALL	NH	SS	-	A74	CI	CI	DR/NH	10 FT	40-80	10 FT	1 HR		

WATER HEATER SCHEDULE

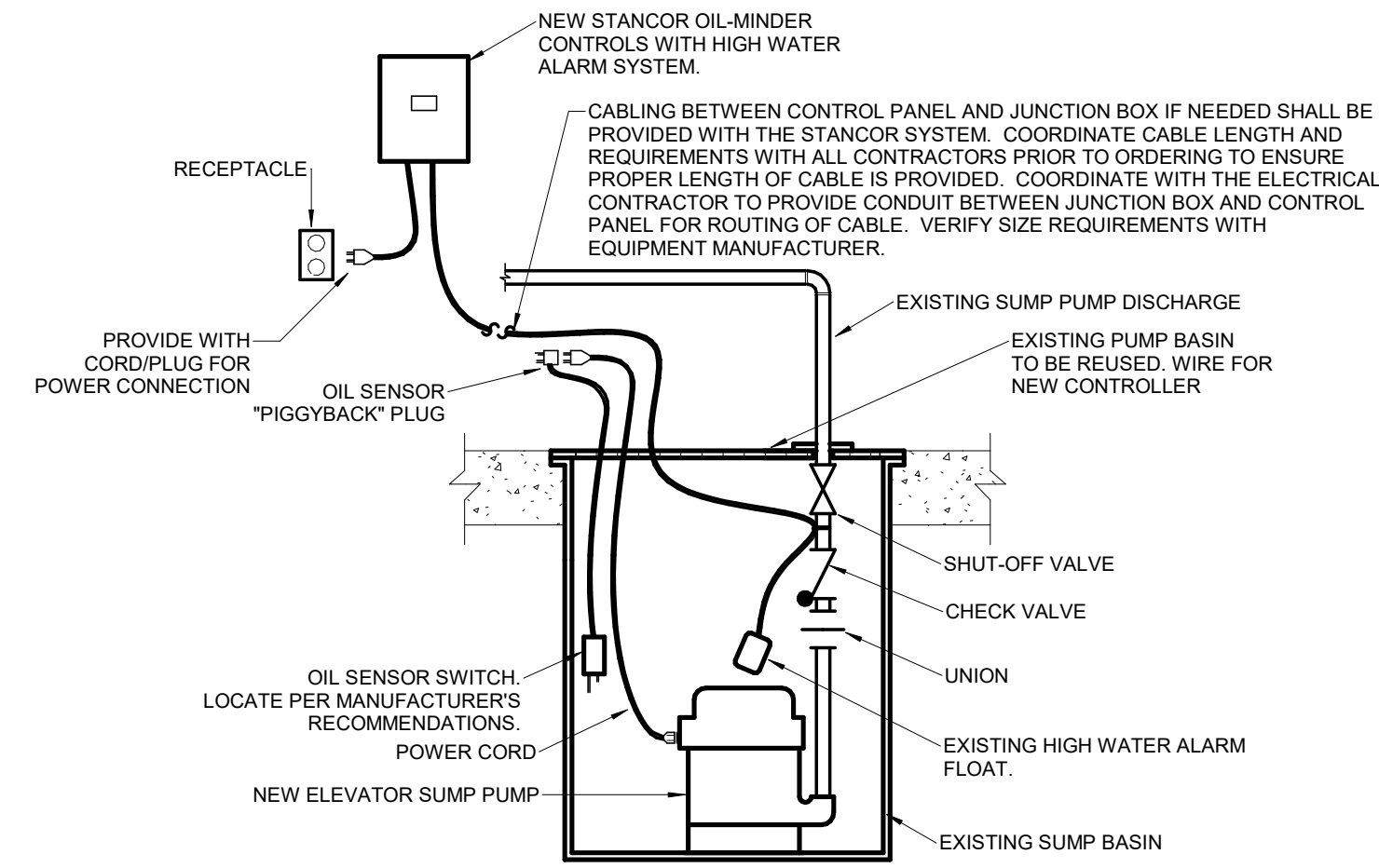
PLAN MARK	MANUFACTURER	MODEL	TYPE	GALLON CAPACITY	GPH @ 90 F	ELECTRIC HEATING				ELECTRICAL DATA				NOTES
						WATTS	AMPS	VOLTAGE	PHASE	VOLTAGE	PHASE	MCA	MOCF	
WH1	A.O. SMITH	DEL-30	ELECTRIC	36	20	4500	22 A	208	1	208	1	28	30	PTRV, AQUASTAT AND TIMER KIT

PUMP SCHEDULE

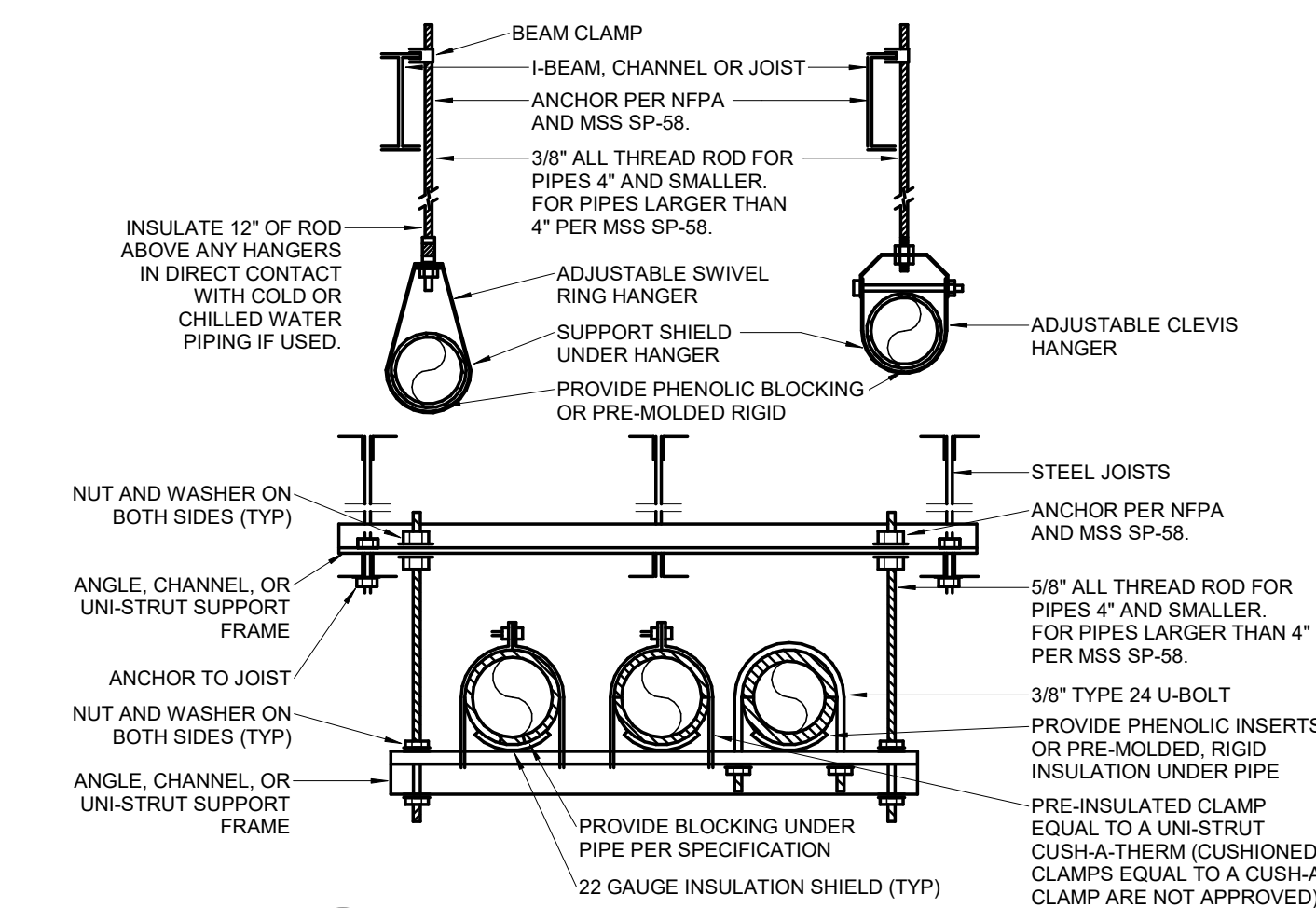
PLAN MARK	MANUFACTURER	SERIES	SIZE	INLET (IN)	FLOW (GPM)	TOTAL HEAD (FT HD)	NPSH (FT HD)	TYPE	ELECTRICAL DATA			BODY CONSTRUCTION	FLUID PUMPED	FLUID TEMPERATURE (°F)	NOTES
									MOTOR (HP)	VOLTAGE	PHASE				
P1	BELL & GOSSETT	NBF	12	0.75"	3	10	0	IL	0.06	120	1	AB	DCW	130	AQUASTAT AND TIMER KIT

SUMP PUMP SCHEDULE

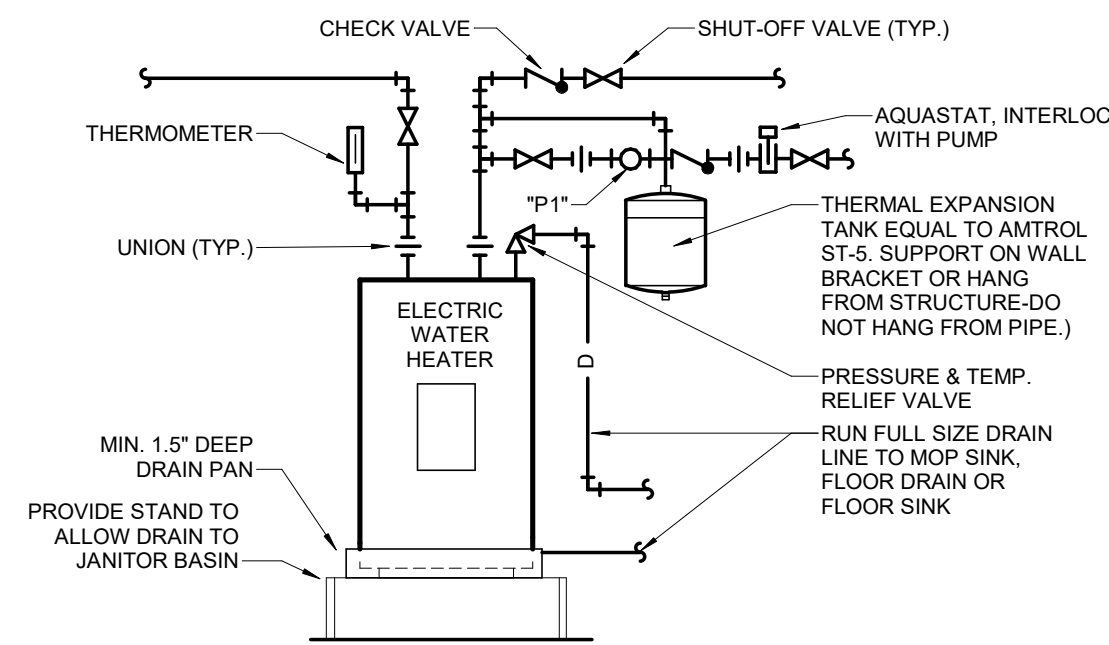
PLAN MARK	MANUFACTURER	SERIES	TYPE	FLOW (GPM)	TOTAL HEAD (FT HD)	MOTOR (HP)	VOLTAGE	PHASE	NOTES



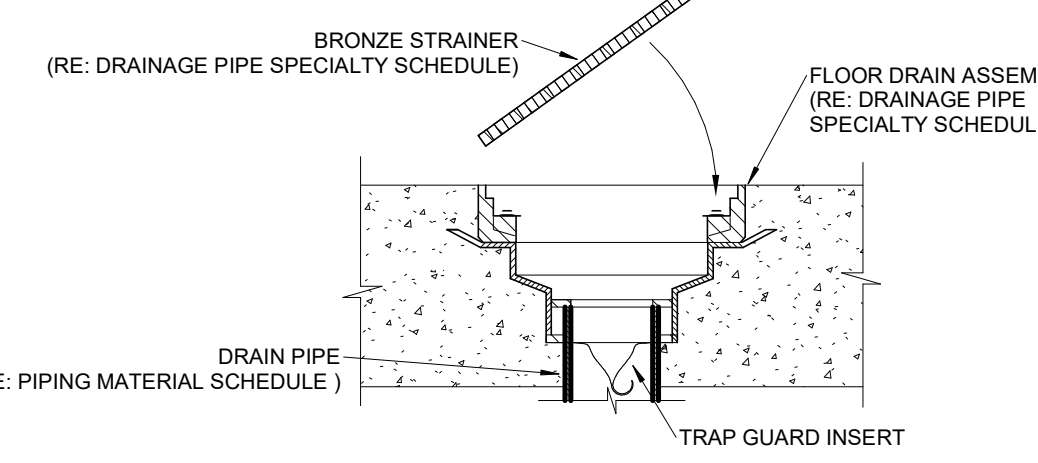
4 ELEVATOR PIT SUMP PUMP DETAIL
SCALE: NOT TO SCALE



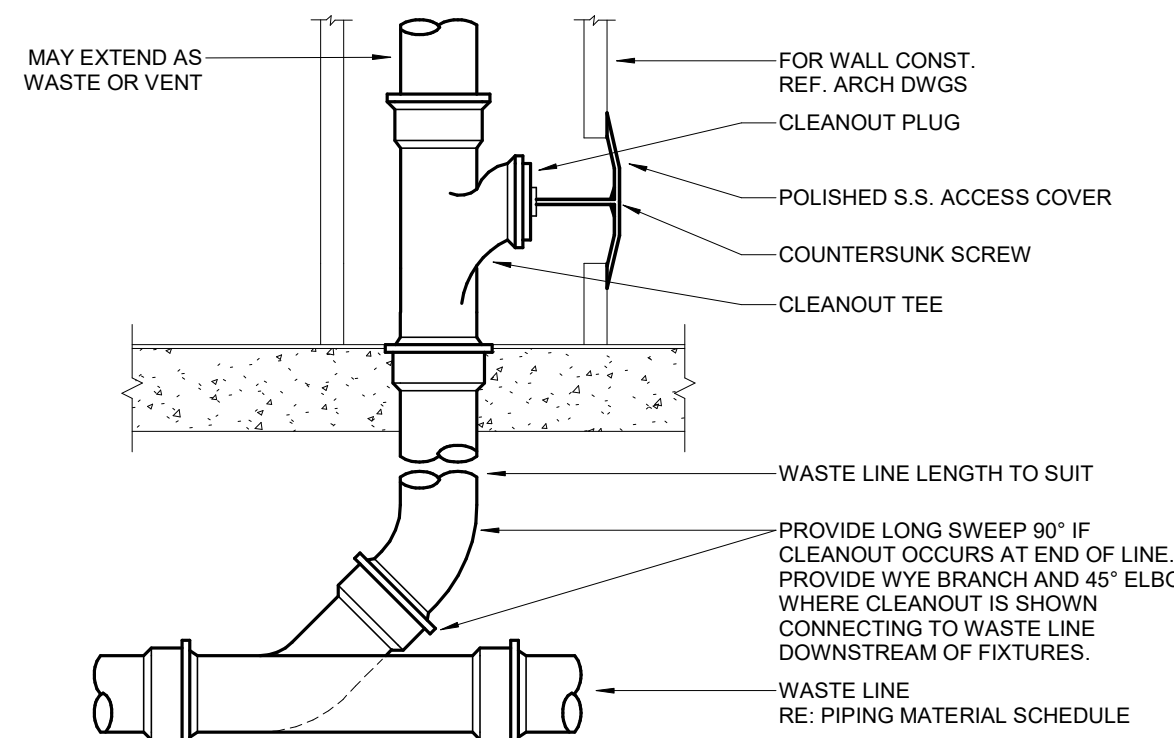
3 PIPE HANGER DETAIL
SCALE: NOT TO SCALE



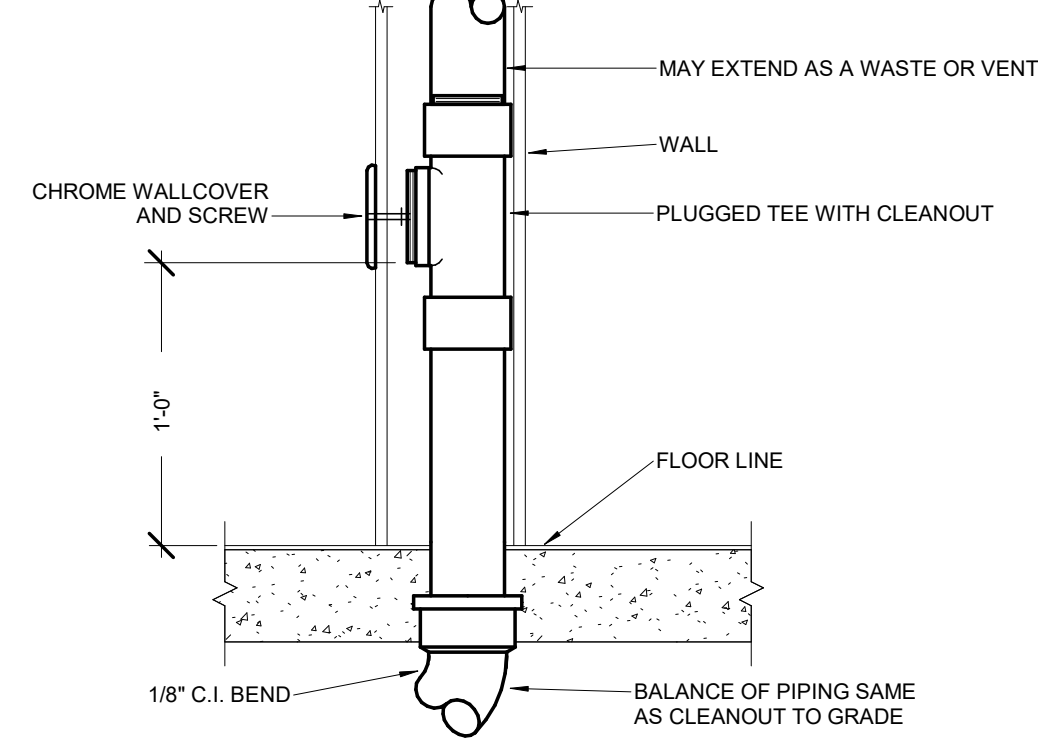
6 WATER HEATER DETAIL
SCALE: NOT TO SCALE



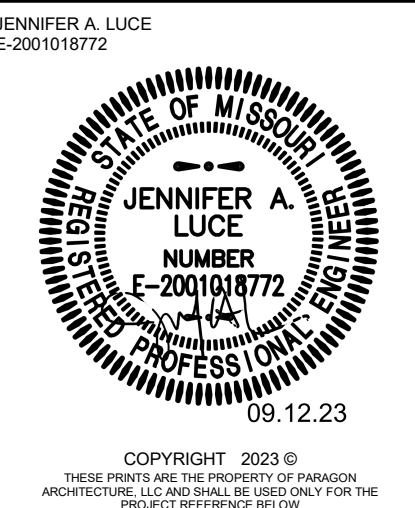
2 FLOOR DRAIN DETAIL
SCALE: NOT TO SCALE



5 WALL CLEANOUT DETAIL
SCALE: NOT TO SCALE



1 FLOOR CLEANOUT DETAIL
SCALE: NOT TO SCALE



REVISION SCHEDULE

PROJECT DESCRIPTION:
CENTENNIAL HALL IMPROVEMENTS AND RENOVATION
300 W. 17TH STREET
ROLLA, MO 65409

PROJECT ENGINEER: Approver
DRAWN BY: LDN
CHECKED BY: JAL

PROJECT NUMBER:
22-703A
RC000638

DATE:
8.28.2023

PLUMBING
DETAILS &
SCHEDULES

SHEET NUMBER:

P2-1

GENERAL DEMOLITION NOTES:
REFER TO SHEET M0-4 FOR GENERAL NOTES.

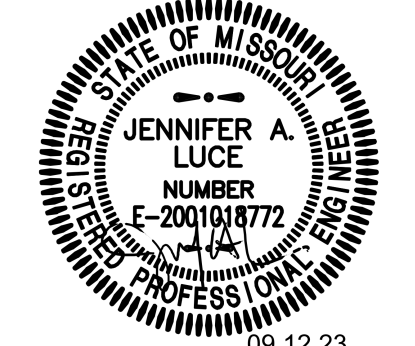


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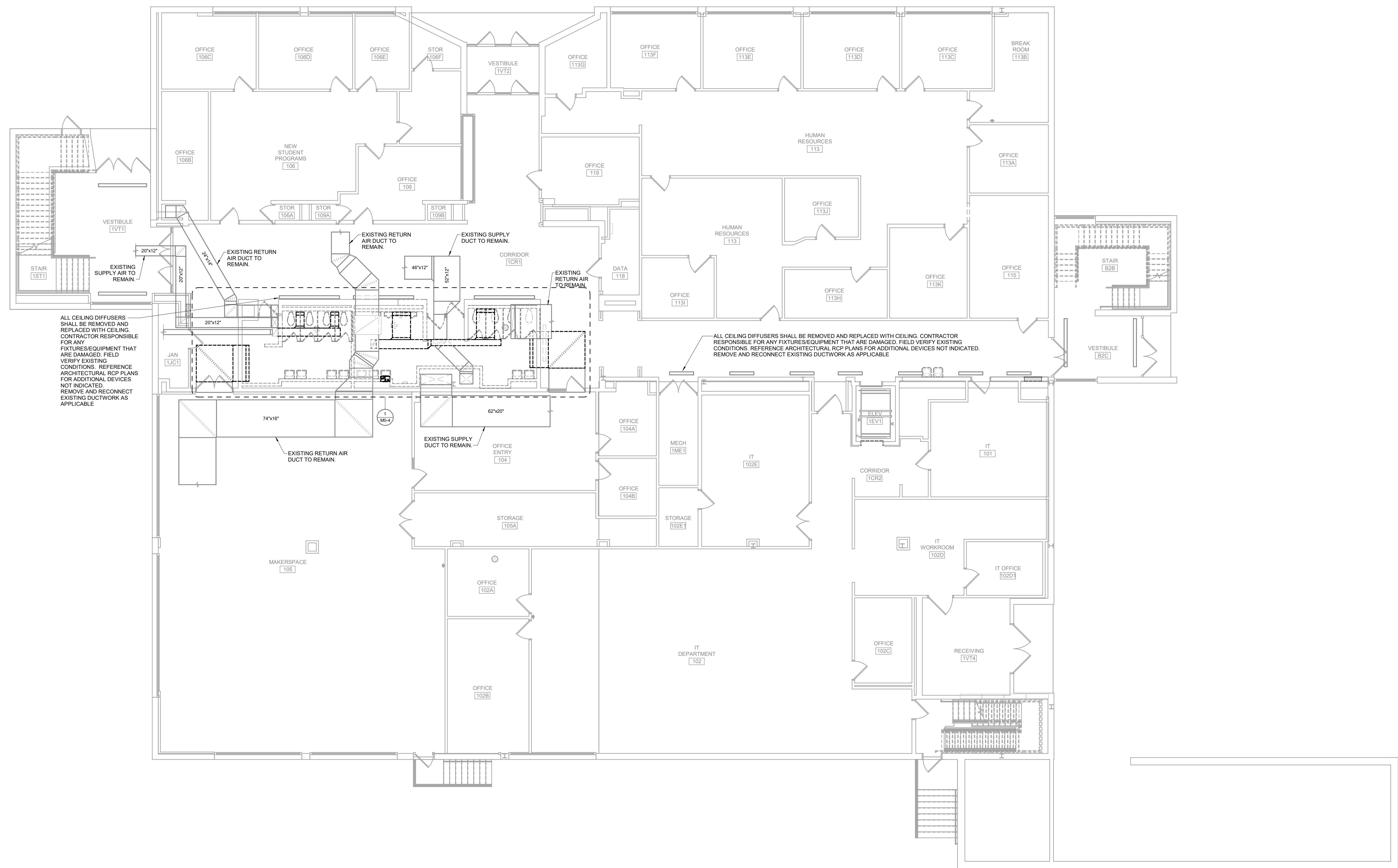
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1 FIRST LEVEL MECHANICAL DEMO PLAN
SCALE: 1/8" = 1'-0" NORTH

PROJECT DESCRIPTION:
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 300 W. 17TH STREET
 ROLLA, MO 65409

PROJECT ENGINEER: Approver
DRAWN BY: LDN
CHECKED BY: JAL

PROJECT NUMBER:
22-703A
RC000638

DATE:
8.28.2023

FIRST LEVEL MECHANICAL DEMO PLAN

SHEET NUMBER:
M0-2

GENERAL DEMOLITION NOTES:
REFER TO SHEET M0-4 FOR GENERAL NOTES.

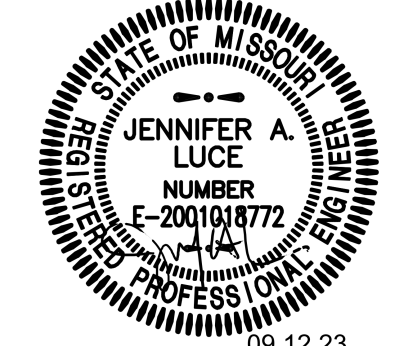


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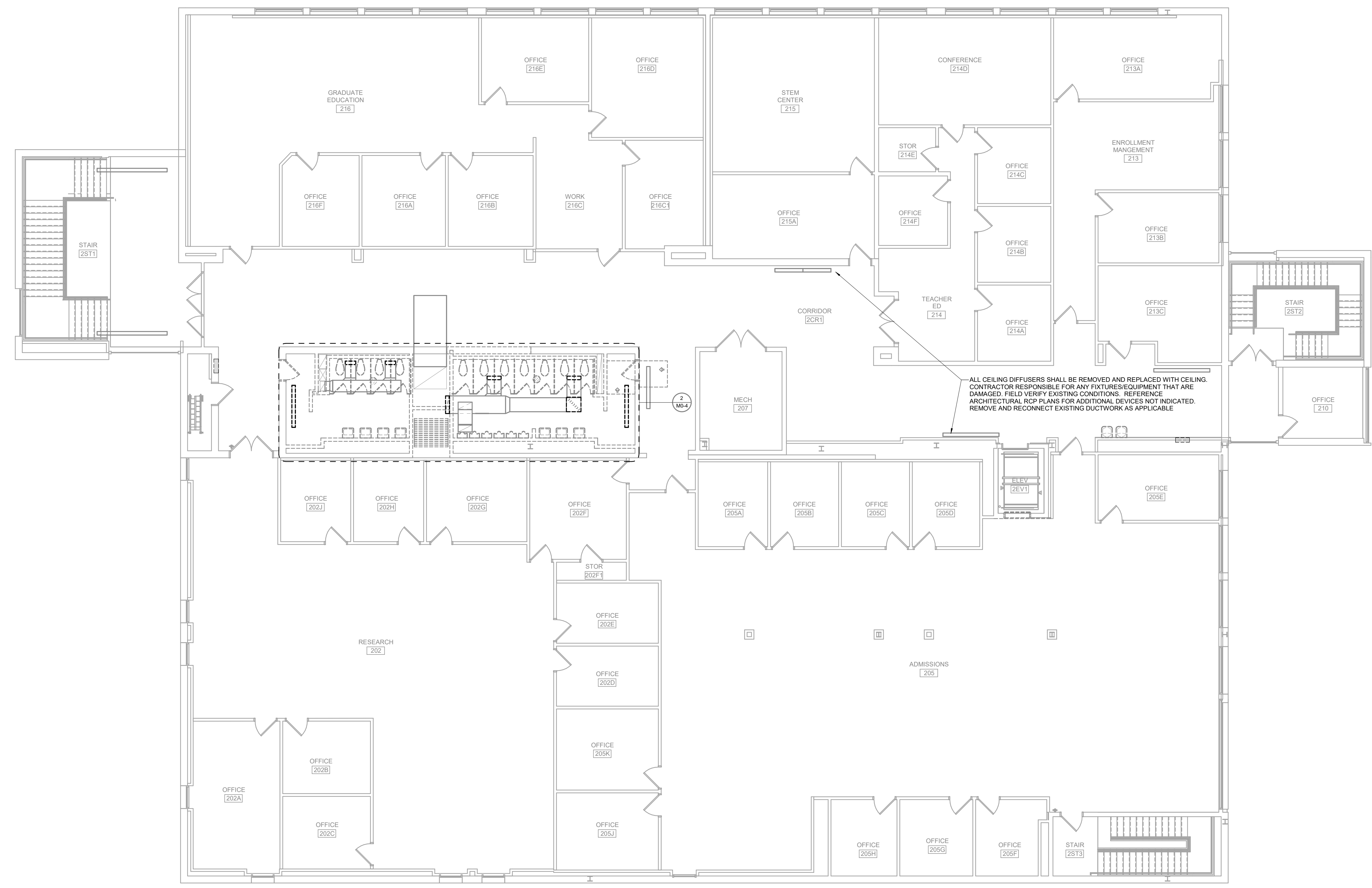
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ALL CEILING DIFFUSERS SHALL BE REMOVED AND REPLACED WITH CEILING CONTRACTOR RESPONSIBLE FOR ANY FIXTURES/EQUIPMENT THAT ARE DAMAGED. FIELD VERIFY EXISTING CONDITIONS. REFERENCE ARCHITECTURAL ROP PLANS FOR ADDITIONAL DEVICES NOT INDICATED. REMOVE AND RECONNECT EXISTING DUCTWORK AS APPLICABLE.

1
M0-3 SECOND LEVEL MECHANICAL DEMO PLAN
SCALE: 1/8" = 1'-0"
NORTH

PROJECT DESCRIPTION:
CENTENNIAL HALL IMPROVEMENTS AND RENOVATION

PROJECT ENGINEER: Approver
DRAWN BY: LDN
CHECKED BY: JAL

PROJECT NUMBER:
22-703A
RC000638

DATE:
8.28.2023

SECOND LEVEL MECHANICAL DEMO PLAN

SHEET NUMBER:
M0-3

Altogether Date: 02/23/2024 5:57:00 PM
File: Alterations\RTM STC1\MEP_023.rvt

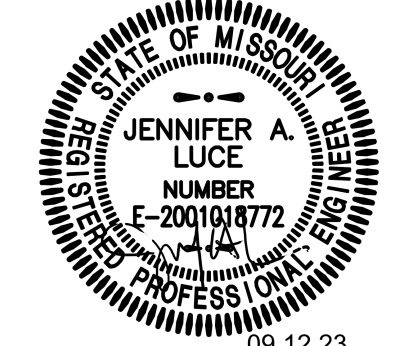


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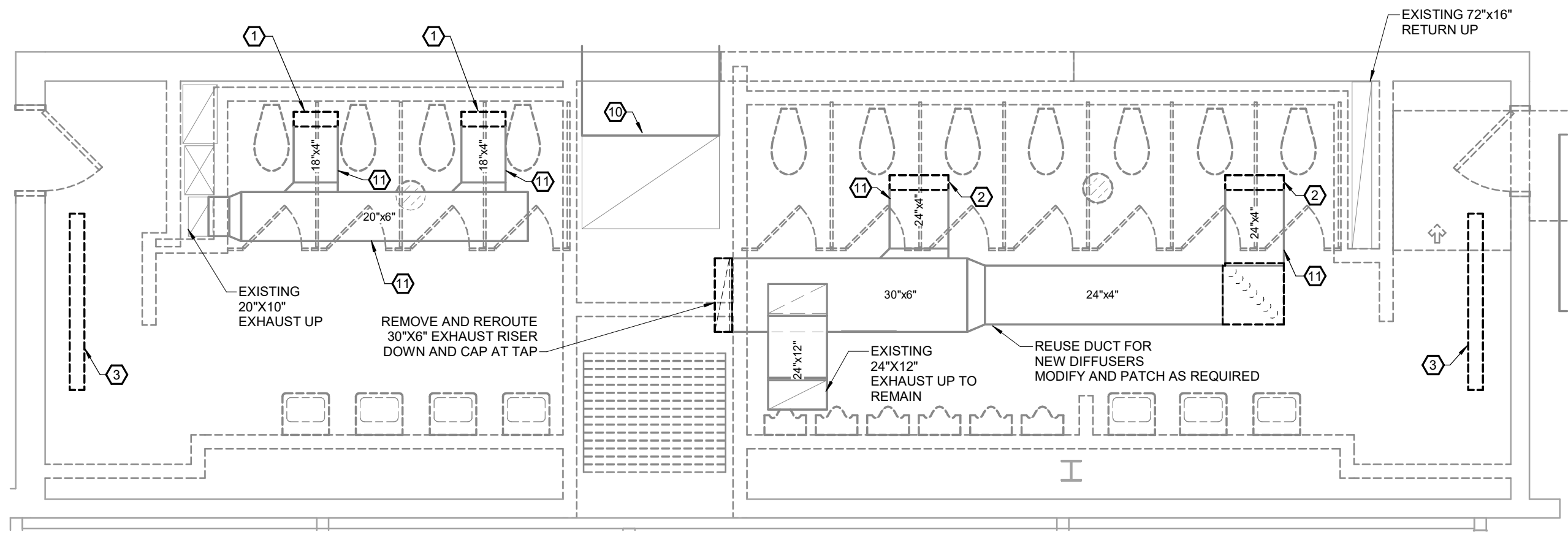
09.12.23
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GENERAL DEMOLITION NOTES:

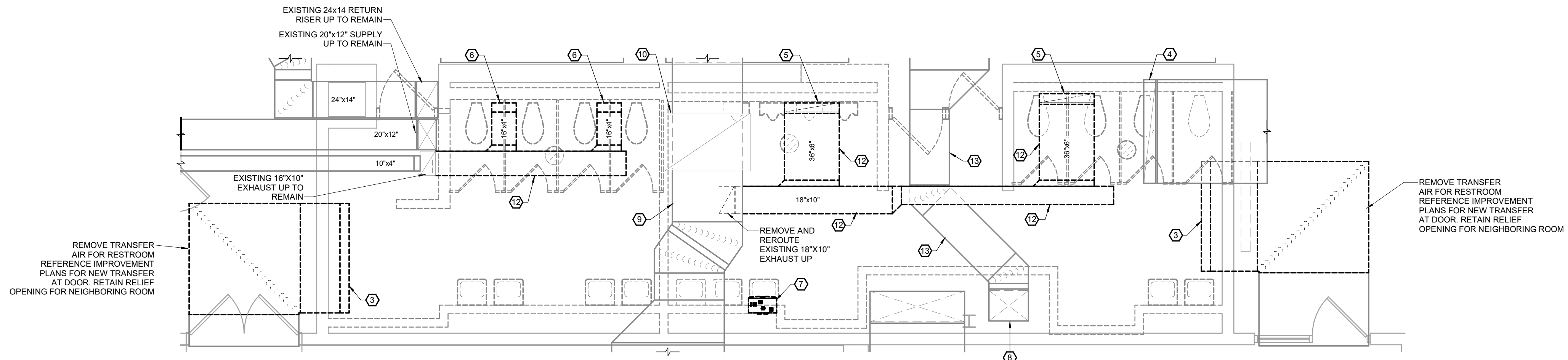
- A. OWNER SHALL HAVE FIRST RIGHT OF REFUSAL FOR ALL DEMOLISHED MATERIALS AND EQUIPMENT. STORE ITEMS ON SITE AS DIRECTED BY OWNER.
- B. EXISTING CONDITIONS ON THIS SET OF BID DOCUMENTS WERE TAKEN FROM EXISTING DRAWINGS, LIMITED SITE VISITS, AND VISUAL OBSERVATIONS. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CHANGE ORDERS WILL NOT BE PAID DUE TO UNANTICIPATED CONDITIONS TO MEET INTENT OF WORK.
- C. REFER TO ARCHITECTURAL DEMOLITION PLANS FOR PHASING AND EXTENTS OF DEMOLITION.
- D. PROVIDE TEMPORARY HEATING AND/OR COOLING AS REQUIRED BY THE GENERAL CONTRACTOR OR CONSTRUCTION MANAGER AND AS REQUIRED PER THE SPECIFICATIONS.
- E. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CORING, PATCH, AND REPAIR OF ALL WALL AND FLOOR SYSTEMS AS REQUIRED DUE TO CONSTRUCTION WORK. MAINTAIN ALL FIRE RATINGS.
- F. REMOVE ALL UNUSED SHEET METAL WORK AND PIPING LOCATED WITHIN THE AREA OF CONSTRUCTION.

PLAN HEX NOTES:

- 1 EXISTING 250 CFM LINEAR EXHAUST DIFFUSER.
- 2 EXISTING 370 CFM LINEAR EXHAUST DIFFUSER.
- 3 EXISTING LINEAR SLOT GRILLE TO BE REMOVED.
- 4 EXISTING RETURN DOWN. REMOVE AND REROUTE AS NECESSARY. FIELD VERIFY EXISTING SIZE AND LOCATION.
- 5 EXISTING 400 CFM LINEAR DIFFUSER TO BE REMOVED.
- 6 EXISTING 200 CFM EXHAUST LINEAR DIFFUSER TO BE REMOVED.
- 7 EXISTING INSTANTANEOUS WATER HEATER ABOVE CEILING TO BE REMOVED.
- 8 EXISTING SUPPLY DOWN TO REMAIN.
- 9 EXISTING RETURN DUCT TO REMAIN.
- 10 EXISTING 56"x38" RETURN UP TO REMAIN.
- 11 EXISTING EXHAUST DUCTWORK TO BE REMOVED AND REPLACED WITH NEW TO ACCOMMODATE NEW RESTROOM LAYOUT. REFER TO 2/M-4 FOR NEW DUCT ROUTING.
- 12 EXISTING EXHAUST DUCTWORK TO BE REMOVED AND REPLACED WITH NEW TO ACCOMMODATE NEW RESTROOM LAYOUT. REFER TO 1/M-4 FOR NEW DUCT ROUTING.
- 13 EXISTING SUPPLY DUCT TO REMAIN.



2 SECOND LEVEL RESTROOM MECHANICAL DEMO PLAN
 SCALE: 1/4" = 1'-0"
 NORTH



1 FIRST LEVEL RESTROOM MECHANICAL DEMO PLAN
 SCALE: 1/4" = 1'-0"
 NORTH

REVISION SCHEDULE

PROJECT DESCRIPTION:
CENTENNIAL HALL IMPROVEMENTS AND RENOVATION

PROJECT ENGINEER: Approver
 DRAWN BY: LDN
 CHECKED BY: JAL

PROJECT NUMBER:
 22-703A
 RC000638

DATE:
 8.28.2023

ENLARGED MECHANICAL DEMO PLAN

SHEET NUMBER:

M0-4

GENERAL NOTES:
REFER TO SHEET M2-1 FOR GENERAL NOTES.

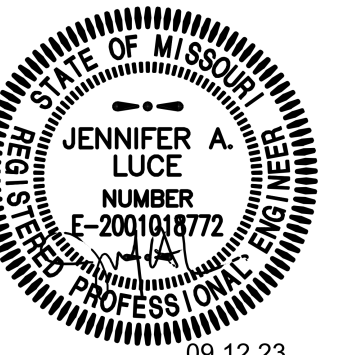


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PROJECT DESCRIPTION:
**CENTENNIAL HALL IMPROVEMENTS
AND RENOVATION**
300 W. 17TH STREET
ROLLA, MO 65409

PROJECT ENGINEER: Approver
DRAWN BY: LDN
CHECKED BY: JAL

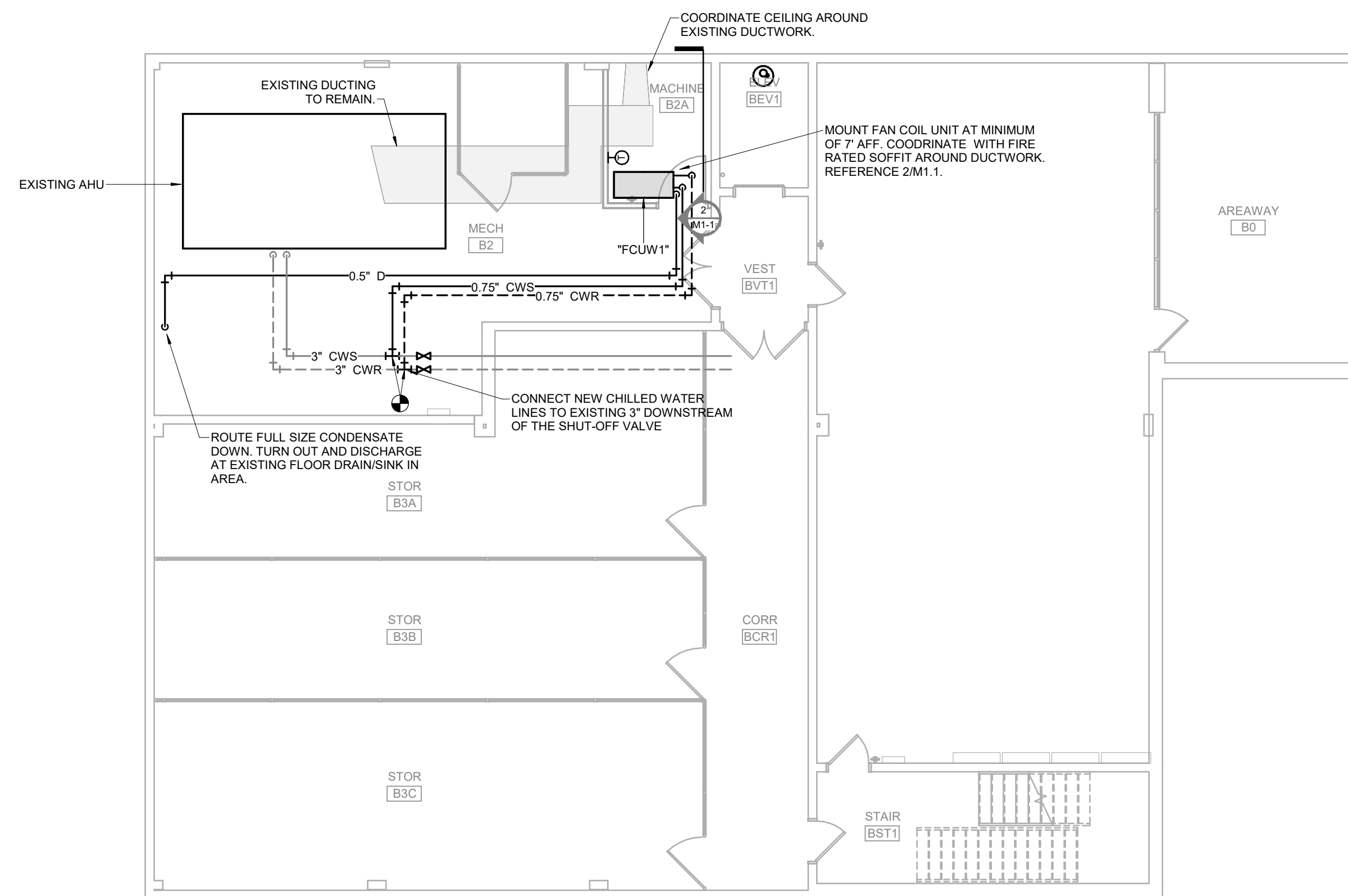
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DATE:
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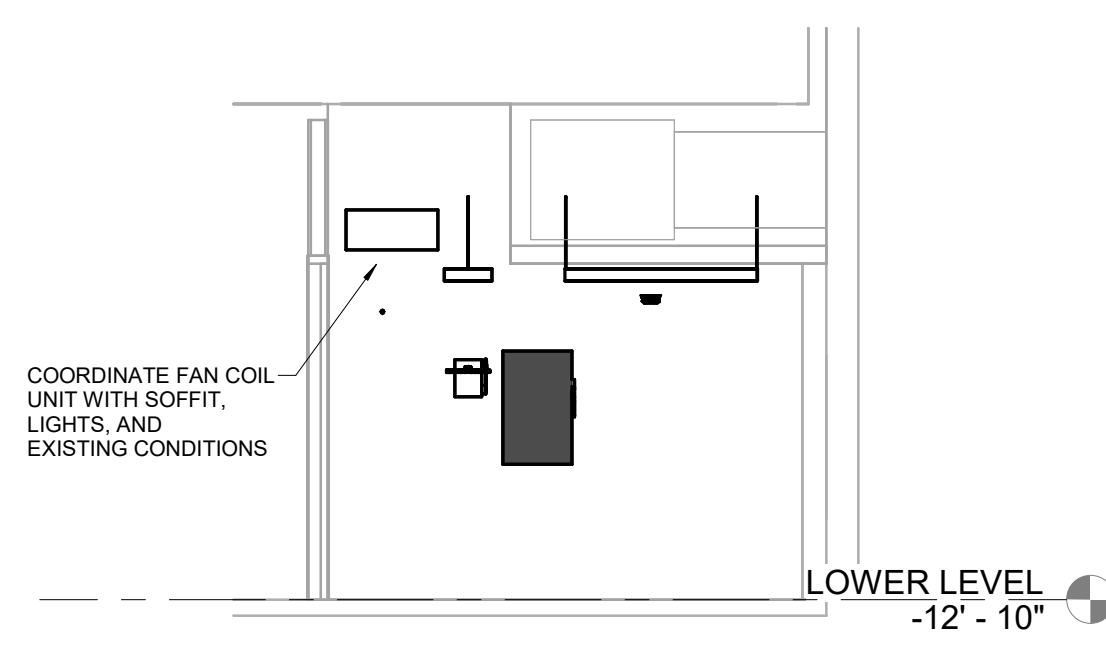
**LOWER LEVEL
MECHANICAL
PLAN**

SHEET NUMBER:

M1-1



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



2 ELEVATOR EQUIPMENT ROOM ELEVATION
SCALE: 1/4" = 1'-0"

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GENERAL NOTES:
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PLAN HEX NOTES:
 1 EXISTING LINEAR DIFFUSER/GRILLE IN CEILING TO BE REMOVED AND REPLACED IN COORDINATION WITH CEILING AND FIRE PROTECTION WORK.

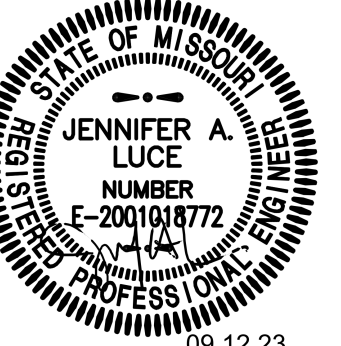


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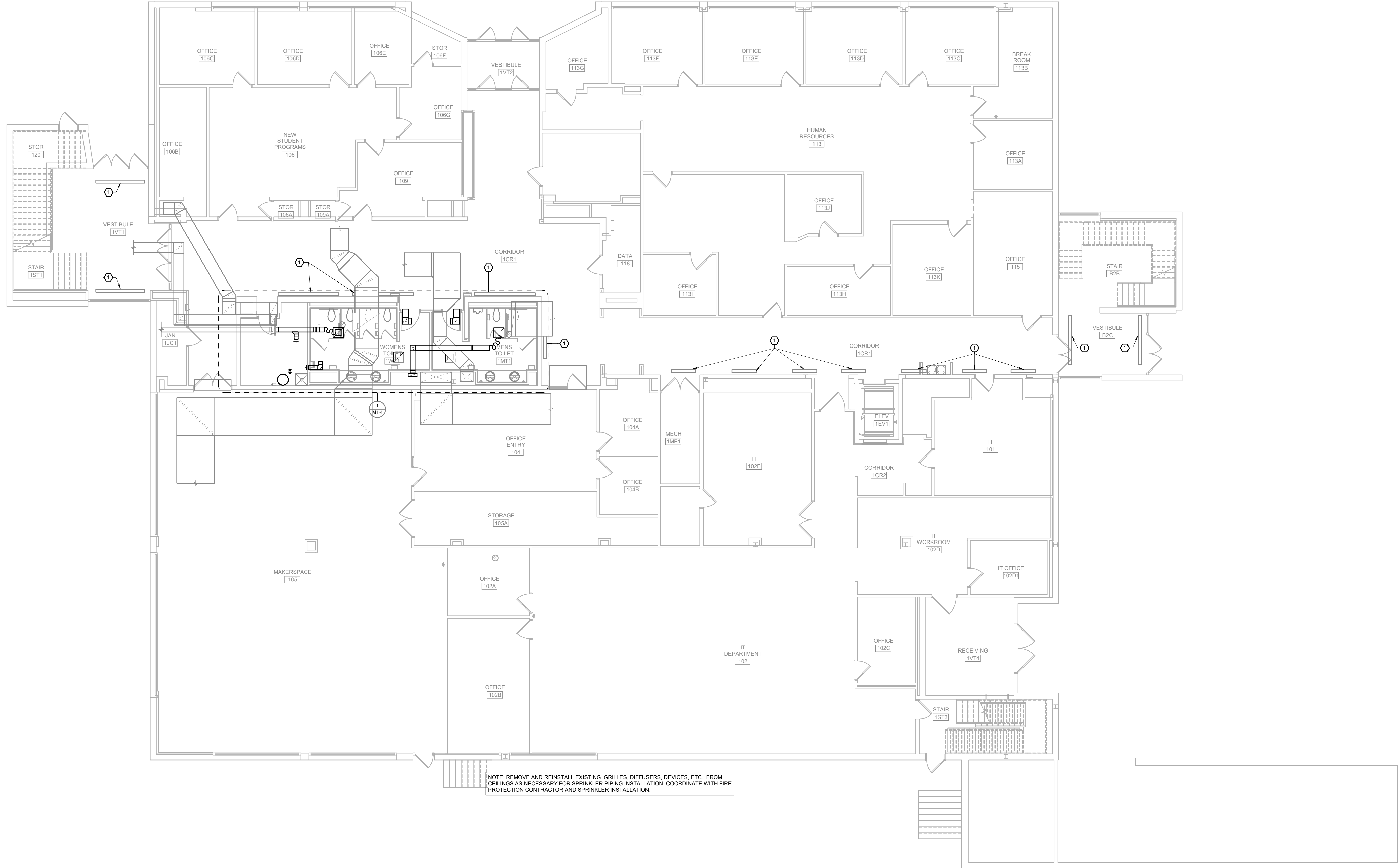
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1 FIRST LEVEL MECHANICAL PLAN
 M1-2 SCALE: 1/8" = 1'-0" NORTH

PROJECT DESCRIPTION:
CENTENNIAL HALL IMPROVEMENTS AND RENOVATION

PROJECT ENGINEER: Approver
 DRAWN BY: LDN
 CHECKED BY: JAL

PROJECT NUMBER:
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 RC000638

DATE:
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FIRST LEVEL MECHANICAL PLAN

SHEET NUMBER:
M1-2

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GENERAL NOTES:
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PLAN HEX NOTES:
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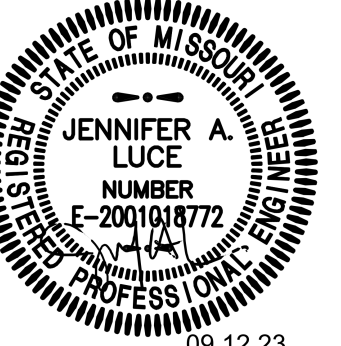


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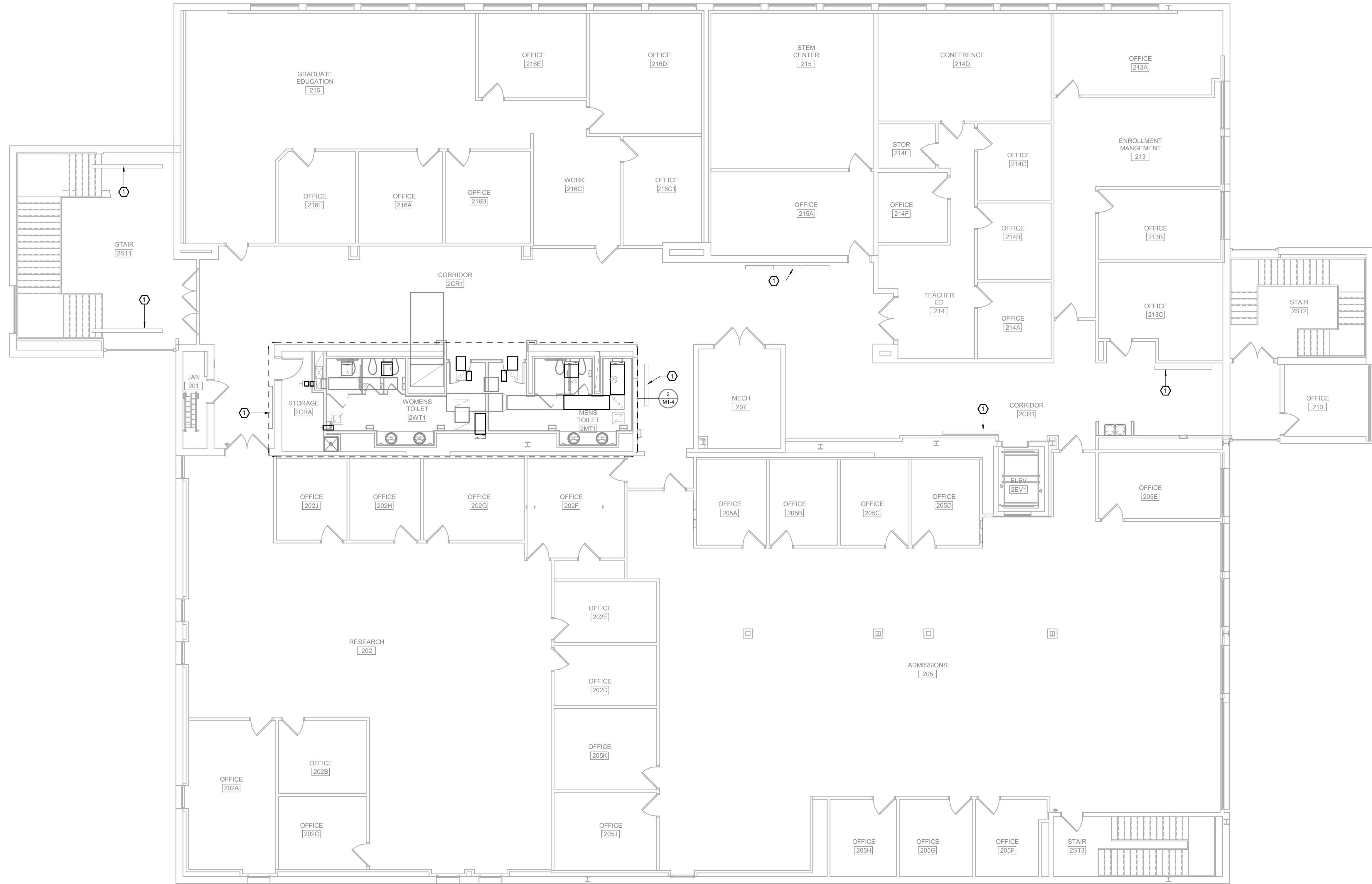
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1 SECOND LEVEL MECHANICAL PLAN
M1-3 SCALE: 1/8" = 1'-0" NORTH

Altogether Done (22-703A)_S&T_CoverSheet.rvt 8/13/2023 3:46:54 PM
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**CENTENNIAL HALL IMPROVEMENTS
AND RENOVATION**

300 W. 17TH STREET
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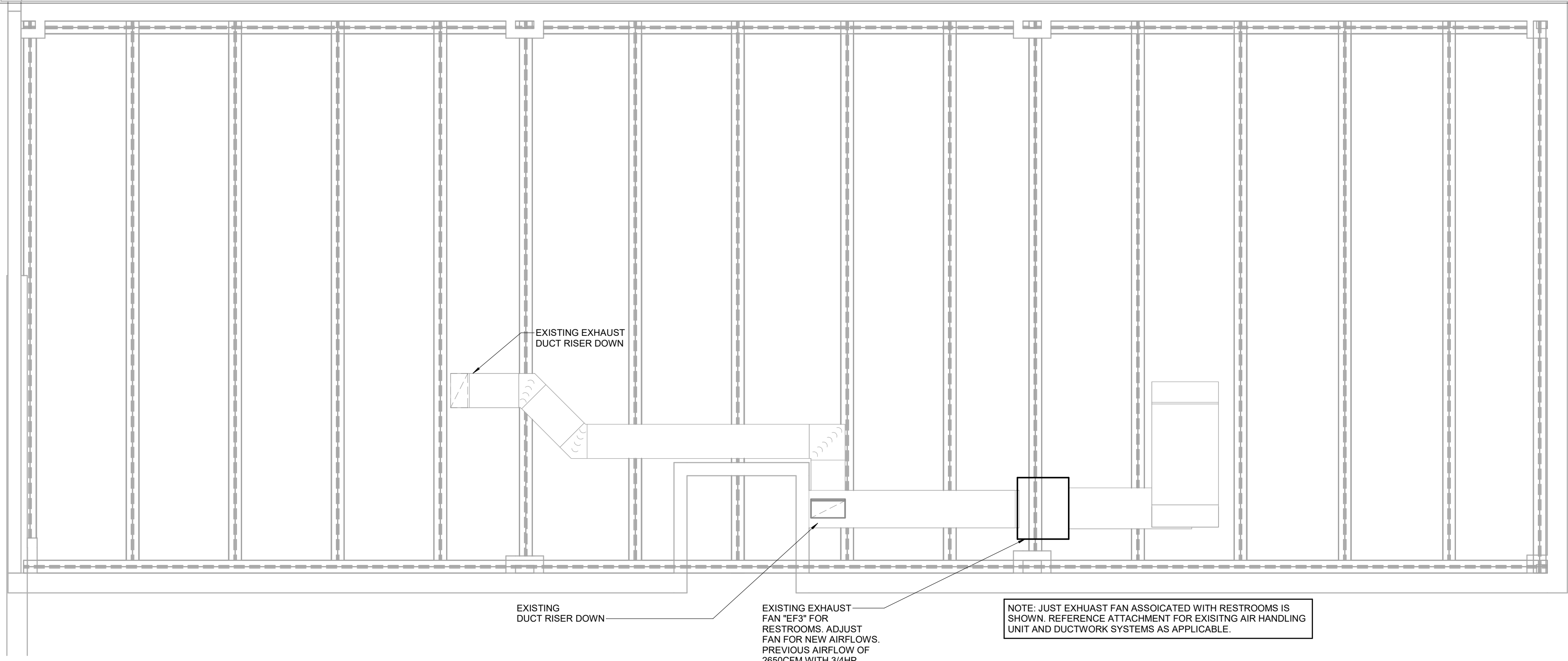
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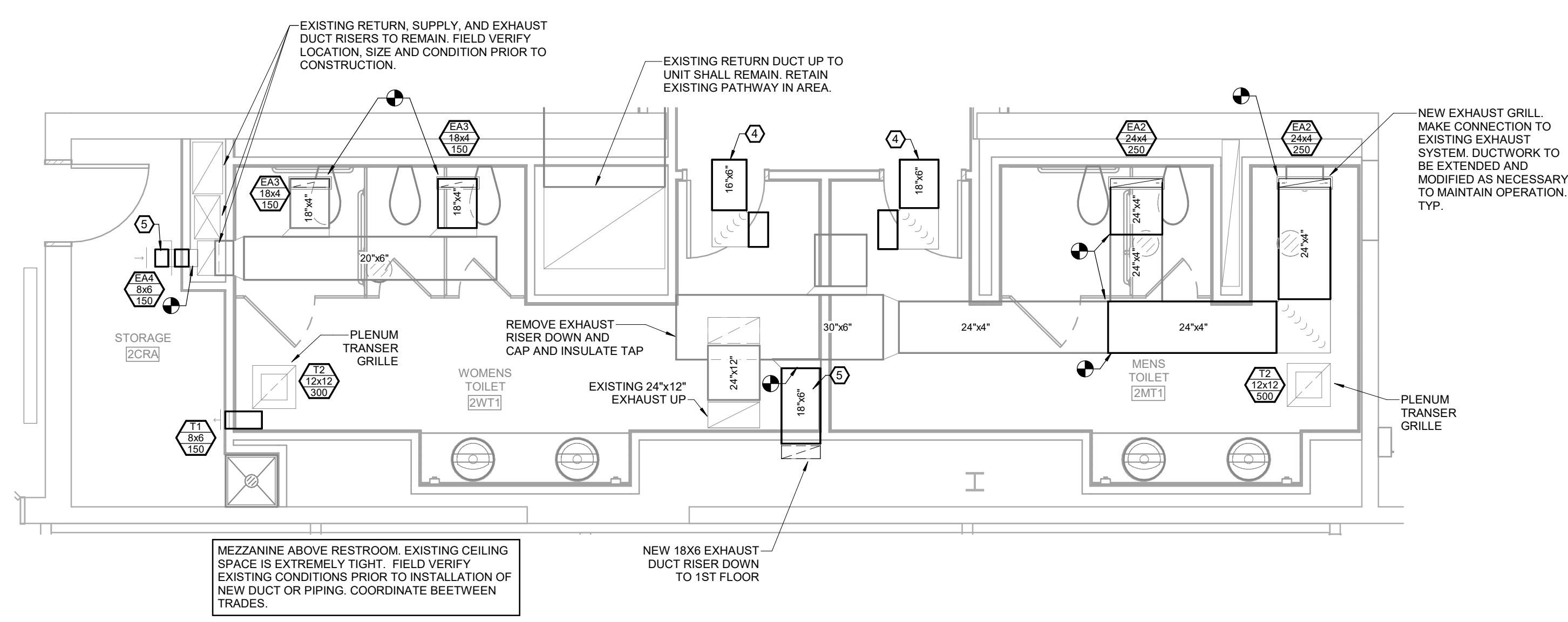
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**SECOND LEVEL
MECHANICAL
PLAN**

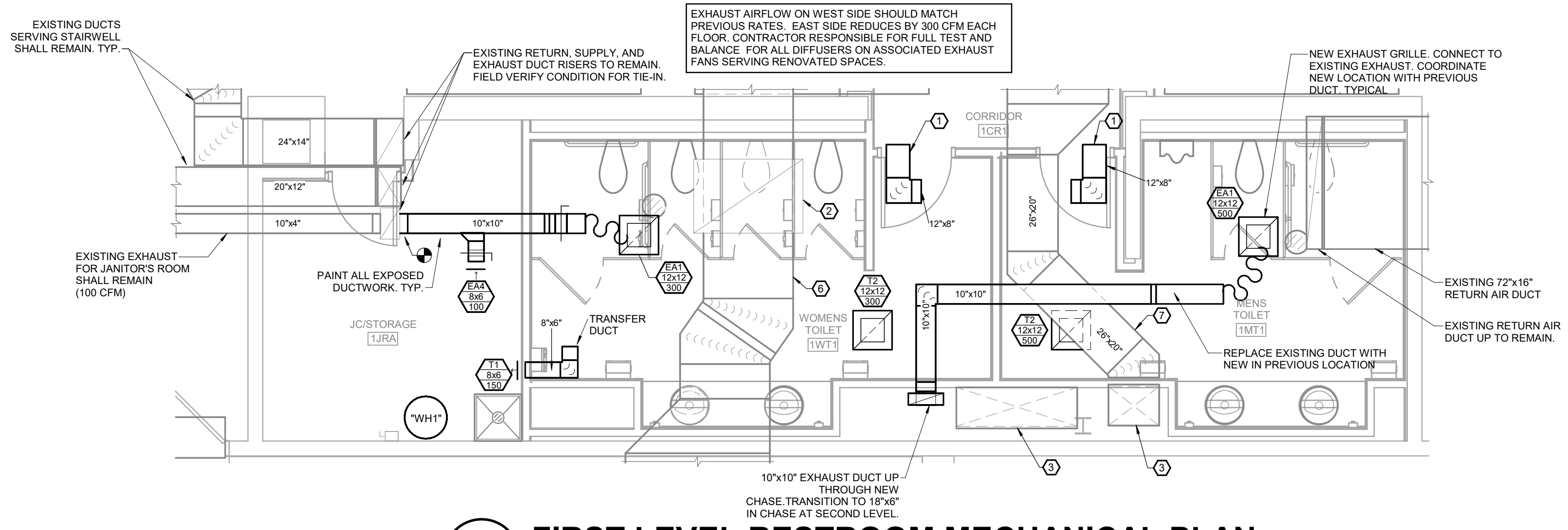
SHEET NUMBER:
M1-3



3 MECHANICAL MEZZANINE PARTIAL HVAC PLAN
 M1-4 SCALE: 1/4" = 1'-0" NORTH



2 SECOND LEVEL RESTROOM MECHANICAL PLAN
 M1-4 SCALE: 1/4" = 1'-0" NORTH



1 FIRST LEVEL RESTROOM MECHANICAL PLAN
 M1-4 SCALE: 1/4" = 1'-0" NORTH

- PLAN HEX NOTES:**
- 12"x10" TRANSFER AIR DUCT.
 - EXISTING 56"x38" RETURN UP TO REMAIN.
 - EXISTING SUPPLY DOWN TO REMAIN.
 - 14"x6" AIR TRANSFER AIR DUCTS.
 - CEILING SPACE IS EXTREMELY TIGHT. COORDINATE DUCT WITH EXISTING STRUCTURE AND BETWEEN LIGHTS.
 - EXISTING RETURN DUCT TO REMAIN.
 - EXISTING SUPPLY DUCT TO REMAIN.

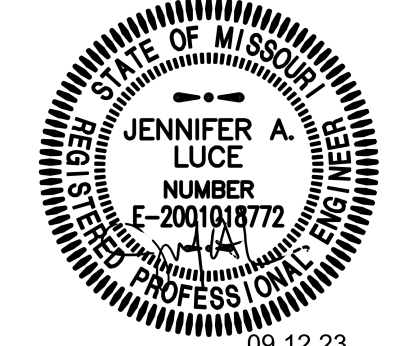


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PROJECT NUMBER:
 22-703A
 RC000638

DATE:
 8.28.2023

ENLARGED MECHANICAL PLAN

SHEET NUMBER:

M1-4

GRILLE, REGISTER AND DIFFUSER SCHEDULE

PLAN MARK	MANUFACTURER	MODEL	APPLICATION	FINISH	FRAME TYPE	VOLUME DAMPER	MAXIMUM NO	MINIMUM THROW (FT)	MAXIMUM THROW (FT)	MAXIMUM AP (IN WG)	NOTES
EAT	TITUS	50R-24 x 24	EXHAUST	WHITE	GRID	No	30	0	0	0.10	24X24 SQUARE EGGRATE FACE WITH PLENUM FOR DUCT CONNECTION
EAT2	TITUS	MLR-39	EXHAUST	WHITE	GRID	No	30	0	0	0.10	24" LINEAR SLOT DIFFUSER W/ 3-2" SLOT & INSULATED PLENUM BOX
EAS	TITUS	MLR-39	EXHAUST	WHITE	GRID	No	30	0	0	0.10	18" LINEAR SLOT DIFFUSER W/ 3-2" SLOT & INSULATED PLENUM BOX
EAA	TITUS	351-RL	EXHAUST	WHITE	FLANGE	No	30	0	0	0.10	WALL GRILLE - SINGLE DEFLECTION - STEEL - BLADES PARALLEL TO LONG DIMENSION
SA124	TITUS	CT-480	SUPPLY	(Color)	SURFACE	No	30	12	25	0.10	48" CONTINUOUS FLOWBAR LINEAR SLOT DIFFUSER W/ 2" SLOT & INSULATED PLENUM BOX
SA124	TITUS	CT-480	SUPPLY	(Color)	SURFACE	No	30	12	25	0.10	48" CONTINUOUS FLOWBAR LINEAR SLOT DIFFUSER W/ 2" SLOT & INSULATED PLENUM BOX
T1	TITUS	301-FL	SUPPLY	WHITE	SURFACE	No	30	0	0	0.10	WALL GRILLE - SINGLE DEFLECTION - STEEL - BLADES PARALLEL TO LONG DIMENSION

FAN COIL UNIT SCHEDULE

PLAN MARK	MANUFACTURER	MODEL	FAN				COOLING DATA				ELECTRICAL DATA				NOTES
			AIR FLOW (CFM)	MOTOR (HP)	EST. ESP (IN WG)	TOTAL CAPACITY (BTU/H)	FLOW (GPM)	E.W.T. (°F)	COIL WPD (FT)	VOLTAGE	PHASE	MCA	MOCP (A)		
FCUW1	IEC	CXB06	500	0.10	0.2	13,000	2.9	46	2.3	120	1	2	15	BS, BR, F, DM, DDC, 2W, DP	

ABBREVIATIONS

BS BUTTOM SUPPLY GRILLE

BR BACK RETURN

F FILTER WITH BOTTOM ACCESS

DM DISCONNECT MEANS

DDC DDC BARNET CONTROLLER AND THERMOSTAT

2W 2-WAY CONTROL VALVE

DP DRAIN PAN WITH FLOAT SWITCH

CP LITTLE GIANT CONDENSATE PUMP EQUAL TO EC-1-DV (120V)

PIPE MATERIAL SCHEDULE

SYSTEM	SIZE	TYPE	PIPING				FITTINGS				MAX. WORKING		FIELD TEST	
			SCHEDULE	GRD	ASTM	MATERIAL	MATERIAL	TYPE	PRESS. (PSI)	TEMP. (°F)	PRESS. (PSI)	TIME		
CONDENSATE DRAIN ABOVE GRADE	ALL	M	-	-	B88	CP	CP	DRS	10 FT	40-70	10 FT	1 HR		
CHILLED WATER SUPPLY & RETURN	0.5" - 3"	L	-	-	B88	CP	CP	CJ	125	5-804	150	1 HR		

CONDENSATE DRAIN ABOVE GRADE

CHILLED WATER SUPPLY & RETURN

CONDENSATE DRAIN ABOVE GRADE

CHILLED WATER SUPPLY & RETURN

CONDENSATE DRAIN ABOVE GRADE

CHILLED WATER SUPPLY & RETURN

CONDENSATE DRAIN ABOVE GRADE

CHILLED WATER SUPPLY & RETURN

CONDENSATE DRAIN ABOVE GRADE

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GENERAL DEMOLITION NOTES:

REFER TO SHEET E0-4 FOR GENERAL NOTES.

PLAN HEX NOTES:

- EXISTING CONDUIT WITH FEED FROM EXISTING MDP2 TO EXISTING PANEL "2NLP1B" TO BE REMOVED. FIRE CAULK PENETRATIONS AS REQUIRED. EXISTING WIRING TO BE REROUTED WITH NEW FEEDER OUTSIDE OF THE ELEVATOR SHAFT.
- EXISTING ELEVATOR CONTROLLER SHALL BE REMOVED.
- REMOVE ELEVATOR DISCONNECT. EXTEND AND MODIFY EXISTING FEEDER FOR NEW DISCONNECT AND ADDITION OF GROUND PER IMPROVEMENTS PLANS.
- EXISTING HYDRAULIC UNIT TO BE REMOVED.
- EXISTING FIRE ALARM SYSTEM. NFS-320 NOTIFIER.
- ELEVATOR TO BE FULLY REFURNISHED. ALL ELECTRICAL REQUIREMENTS AND WORK TO BE COORDINATED WITH OWNERS VENDOR. REMOVE POWER AND RECONNECT.



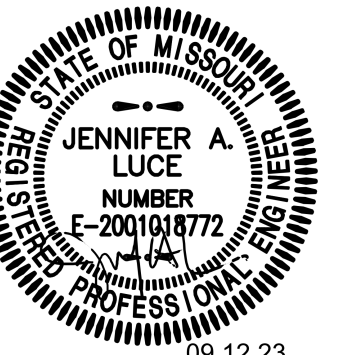
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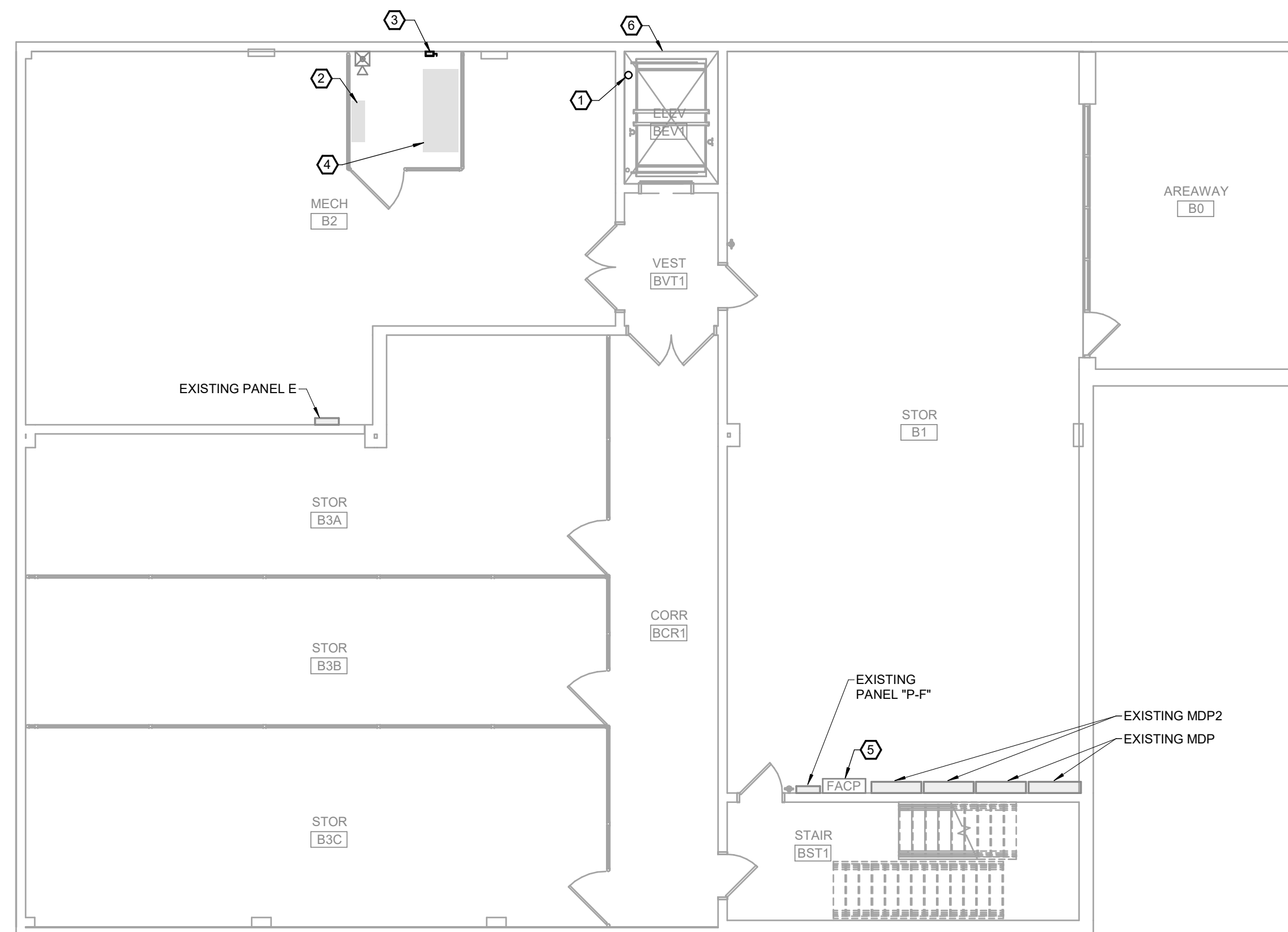
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1 LOWER LEVEL ELECTRICAL DEMO PLAN
E0-1 SCALE: 1/8" = 1'-0" NORTH

PROJECT DESCRIPTION:
**CENTENNIAL HALL IMPROVEMENTS
AND RENOVATION**

300 W. 17TH STREET
ROLLA, MO 65409

PROJECT ENGINEER: Approver
DRAWN BY: LDN
CHECKED BY: JAL

PROJECT NUMBER:
22-703A
RC000638

DATE:
8.28.2023

**LOWER LEVEL
ELECTRICAL
DEMO PLAN**

SHEET NUMBER:

E0-1

GENERAL DEMOLITION NOTES:
 REFER TO SHEET E0-4 FOR GENERAL NOTES.

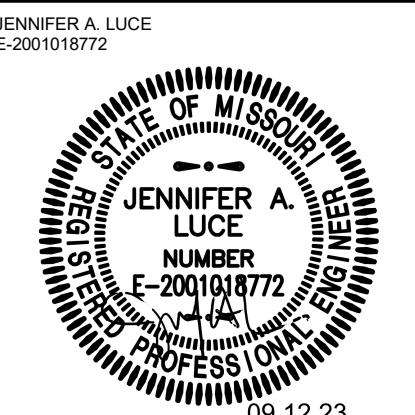
PLAN HEX NOTES:

- EXISTING CONDUIT WITH FEED FROM EXISTING MDP2 TO EXISTING PANEL "2NLP1B" TO BE REMOVED. FIRE CAULK PENETRATIONS AS REQUIRED. EXISTING WIRING TO BE REROUTED WITH NEW FEEDER OUTSIDE OF THE ELEVATOR SHAFT.
- ELEVATOR TO BE FULLY REFURBISHED. ALL ELECTRICAL REQUIREMENTS AND WORK TO BE COORDINATED WITH OWNERS VENDOR. REMOVE POWER AND RECONNECT.
- EXISTING PANEL 8. FIELD VERIFY EXISTING CIRCUITS IN PANEL PRIOR TO CONSTRUCTION. PROVIDE UPDATED TYPED LABELS AND SCHEDULE FOR PANELBOARD.



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CENTENNIAL HALL IMPROVEMENTS AND RENOVATION
 300 W. 17TH STREET
 ROLLA, MO 65409

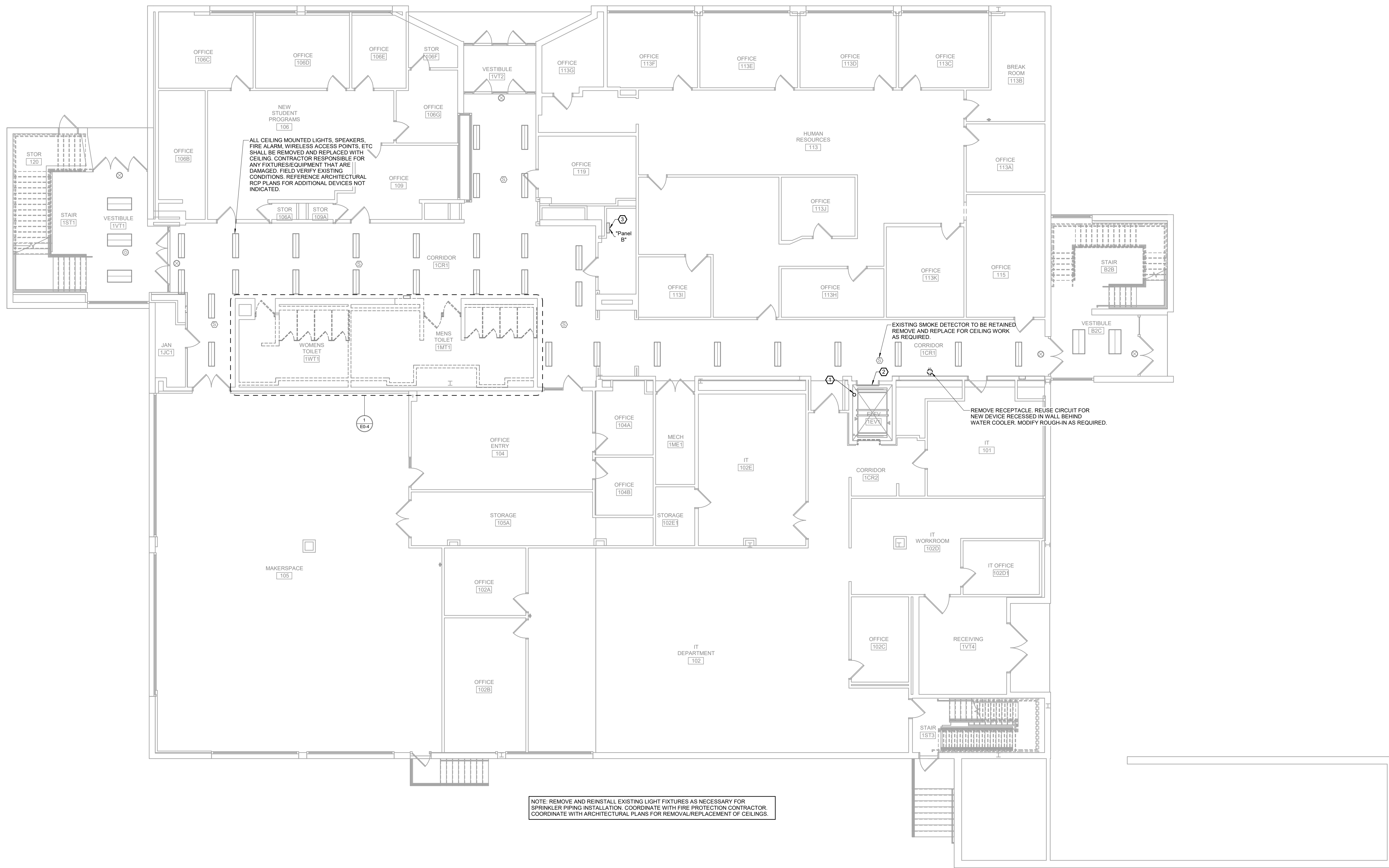
PROJECT ENGINEER: Approver
 DRAWN BY: LDN
 CHECKED BY: JAL

PROJECT NUMBER:
 22-703A
 RC000638

DATE:
 8.28.2023

FIRST LEVEL ELECTRICAL DEMO PLAN

SHEET NUMBER:
E0-2



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

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GENERAL DEMOLITION NOTES:

REFER TO SHEET E0-4 FOR GENERAL NOTES.

PLAN HEX NOTES:

- 1 REMOVE EXISTING 1X4 LIGHT FIXTURES FROM CORRIDOR GRID CEILING. MAINTAIN WIRING AND CONDUIT WHERE POSSIBLE TO BE REUSED FOR INSTALLATION OF NEW 2X4 FIXTURES.
- 2 REMOVE EXISTING CAN DOWN LIGHT FIXTURES FROM CORRIDOR WOOD SLAT CEILING. MAINTAIN WIRING AND CONDUIT WHERE POSSIBLE TO BE REUSED FOR INSTALLATION OF NEW 2X4 FIXTURES.
- 3 ELEVATOR TO BE FULLY REFURBISHED. ALL ELECTRICAL REQUIREMENTS AND WORK TO BE COORDINATED WITH OWNERS VENDOR. REMOVE POWER AND RECONNECT.
- 4 EXISTING CONDUIT WITH FEED FROM EXISTING MDP2 TO EXISTING PANEL "2NLPIB" TO BE REMOVED. FIRE CAULK PENETRATIONS AS REQUIRED. EXISTING WIRING TO BE REROUTED WITH NEW FEEDER OUTSIDE OF THE ELEVATOR SHAFT.



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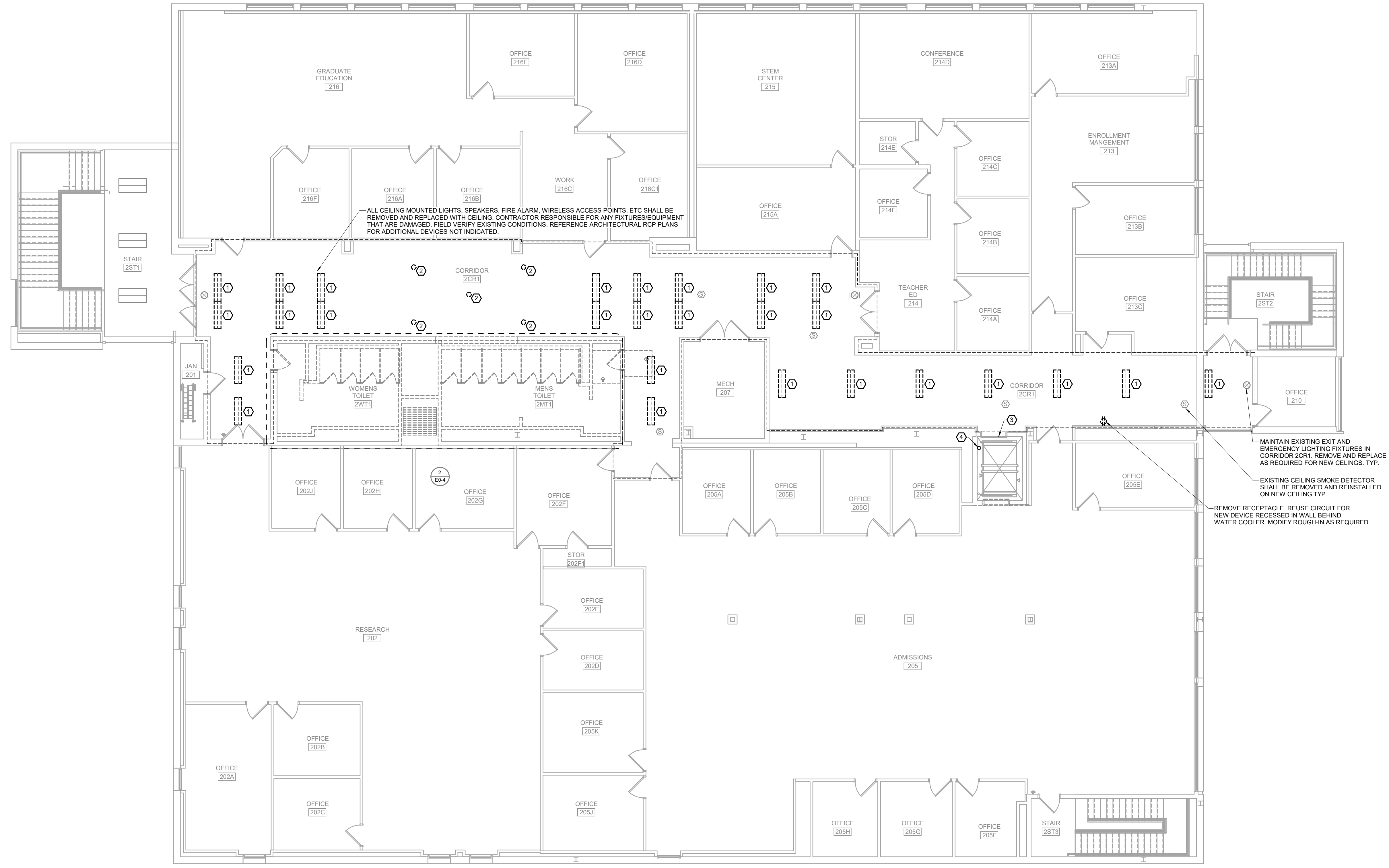
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REVISION SCHEDULE

REVISION SCHEDULE



1
E0-3 **SECOND LEVEL ELECTRICAL DEMO PLAN**
SCALE: 1/8" = 1'-0" NORTH

PROJECT DESCRIPTION:
CENTENNIAL HALL IMPROVEMENTS AND RENOVATION

300 W. 17TH STREET
ROLLA, MO 65409

PROJECT ENGINEER: Approver
DRAWN BY: LDN
CHECKED BY: JAL

PROJECT NUMBER:
22-703A
RC000638

DATE:
8.28.2023

SECOND LEVEL ELECTRICAL DEMO PLAN

SHEET NUMBER:
E0-3

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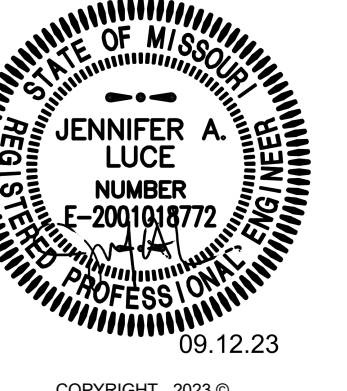


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PROJECT DESCRIPTION:
**CENTENNIAL HALL IMPROVEMENTS
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PROJECT ENGINEER: Approver
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PROJECT NUMBER:
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 RC000638

DATE:
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**ENLARGED
 ELECTRICAL
 DEMO PLAN**

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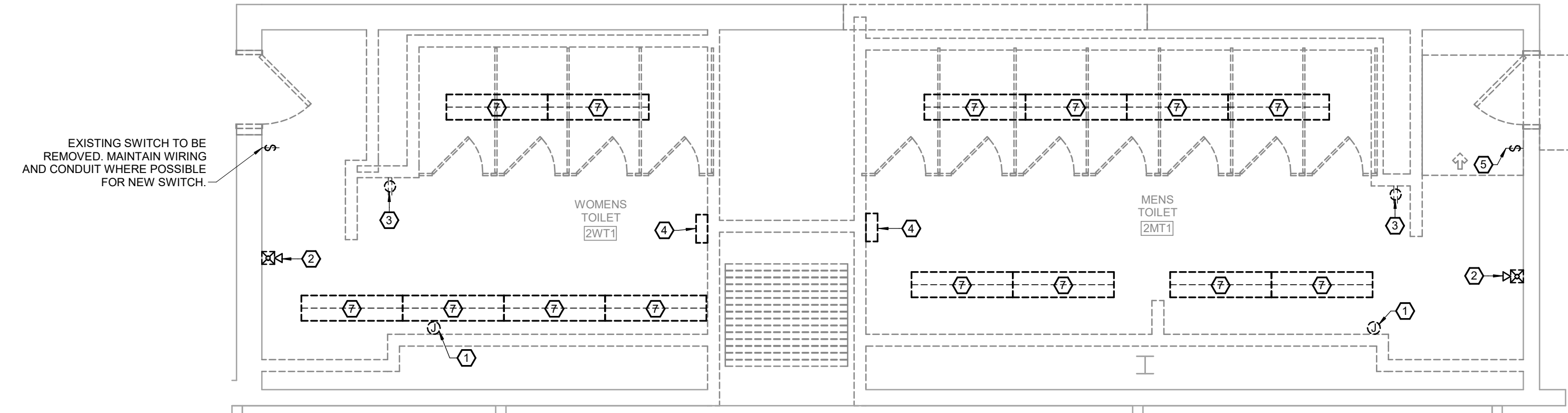
E0-4

GENERAL DEMOLITION NOTES:

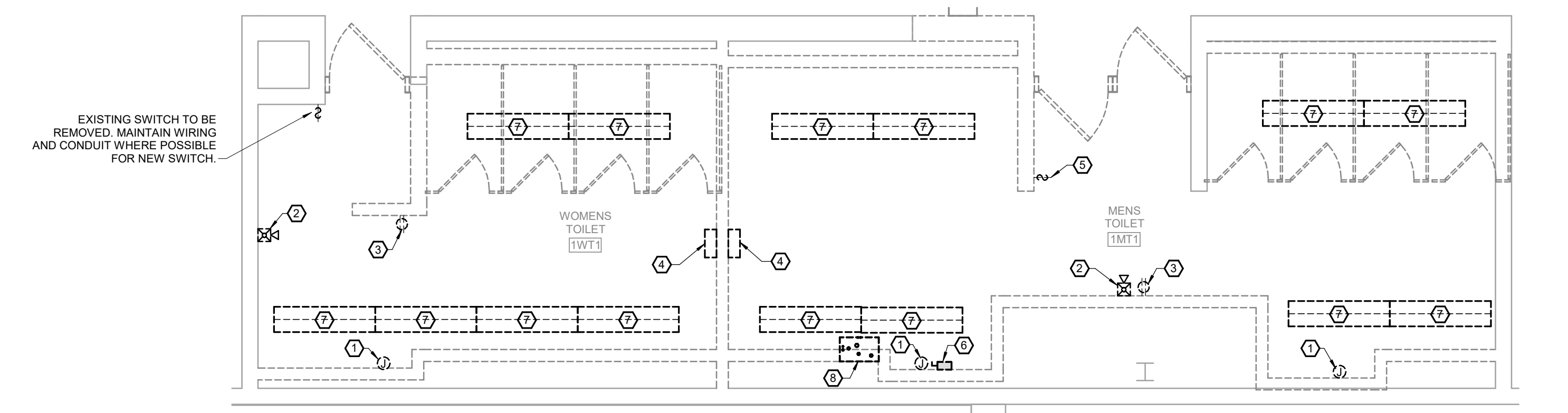
- A. THESE GENERAL NOTES APPLY TO ALL ELECTRICAL AND SPECIAL SYSTEMS DRAWINGS. REFER TO DIVISION 26, 27 AND 28 SPECIFICATIONS FOR ADDITIONAL ELECTRICAL AND SPECIAL SYSTEMS SPECIFICATIONS AND REQUIREMENTS.
- B. ALL ELECTRICAL WORK SHALL BE IN COMPLIANCE WITH THE 2017 NEC AS ADOPTED BY THE LOCAL AHJ.
- C. REMOVE ALL UNUSED CONDUIT, CONDUCTORS, PULL BOXES, ETC. FOR DEMOLISHED ITEMS. TURN OFF BREAKERS AND LABEL AS "SPARE" IN THE PANELBOARD DIRECTORY.
- D. OWNER SHALL HAVE FIRST RIGHT OF REFUSAL FOR ALL DEMOLISHED MATERIALS AND EQUIPMENT. STORE ITEMS ON SITE AS DIRECTED BY OWNER.
- E. COORDINATE WITH THE ELECTRICAL UTILITY COMPANY AND ARRANGE FOR SERVICE AND ADJUSTMENTS AS INDICATED ON DRAWINGS. INCLUDE ALL COSTS, CHARGES, FEES, ETC. INCURRED BY LOCAL AUTHORITIES INTO BID. PROVIDE ALL MATERIALS AS REQUIRED BY LOCAL AUTHORITIES FOR SERVICE INSTALLATION. ALL WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF LOCAL AUTHORITIES.
- F. WHERE DEMOLISHED ELECTRICAL DEVICES ARE PART OF A CIRCUIT THAT IS THRU-WIRED, OR HAS ADDITIONAL DEVICES ON THE CIRCUIT THAT ARE TO REMAIN UNCHANGED, THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF THE EXISTING CIRCUIT. ANY ADDITIONAL CONDUIT, WIRING, BOXES, ETC. NEEDED TO MODIFY THE EXISTING CIRCUIT TO MAINTAIN THE INTEGRITY ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE INCLUDED IN THE BASE BID.
- G. EXISTING CONDITIONS ON THIS SET OF CONSTRUCTION DOCUMENTS WERE TAKEN FROM EXISTING DRAWINGS, LIMITED SITE VISITS, AND VISUAL OBSERVATIONS. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CHANGE ORDERS WILL NOT BE PAID DUE TO UNANTICIPATED CONDITIONS TO MEET INTENT OF WORK.
- H. REFER TO ARCHITECTURAL DEMOLITION PLANS FOR PHASING AND EXTENTS OF DEMOLITION.
- I. PROVIDE TEMPORARY POWER OR LIGHTING REQUIRED BY THE CONSTRUCTION MANAGER.
- J. CONTRACTOR RESPONSIBLE FOR ALL CORING, PATCH, AND REPAIR OF ALL WALL AND FLOOR SYSTEMS AS REQUIRED DUE TO NEW CONSTRUCTION. MAINTAIN ALL FIRE RATINGS.
- K. REMOVE ALL UNUSED CONDUIT AND WIRING LOCATED WITHIN THE AREA OF CONSTRUCTION.
- L. REMOVE AND REPLACE COVERPLATES AS NEEDED ON EXISTING WALLS DUE TO NEW FINISHES.
- M. REFER TO ARCHITECTURAL DRAWINGS FOR ALL EXISTING EQUIPMENT REQUIRED TO BE RELOCATED. CONTRACTOR SHALL FULLY COORDINATE SCHEDULE OF RELOCATING EQUIPMENT WITH OWNER.

PLAN HEX NOTES:

- 1. EXISTING HAND DRYER TO BE REMOVED. REMOVED UNUSED WIRE BACK TO PANEL. REMOVE ALL UNUSED CONDUIT AND WIRE.
- 2. EXISTING FIRE ALARM SPEAKER/STROBE TO BE REUSED. EXTEND WIRING AND CONDUIT AS NECESSARY. REMOVE SURFACE MOUNTED RACEWAY.
- 3. EXISTING DUPLEX TO BE DEMOLISHED. REMOVE UNUSED WIRING AND CONDUIT WHILE MAINTAINING CIRCUITING FOR ANY REMAINING CONNECTED DEVICES.
- 4. EXISTING SURFACE MOUNTED EM FIXTURE TO BE DEMOLISHED. REMOVE UNUSED WIRE BACK TO PANEL AND CAP ASSOCIATED CONDUIT AS NECESSARY. REMOVE SURFACE MOUNTED RACEWAY.
- 5. EXISTING WALL SWITCH TO BE DEMOLISHED. REMOVE UNUSED WIRING AND CONDUIT WHERE NOT REUSED. PATCH WALL AS APPLICABLE.
- 6. EXISTING DISCONNECT FOR INSTANTANEOUS WATER HEATER ABOVE CEILING TO BE REMOVED. REMOVE UNUSED WIRING AND CONDUIT BACK TO PANEL.
- 7. EXISTING 1x4 FIXTURE TO BE REMOVED. RETAIN WIRING AND CONDUIT WHERE POSSIBLE FOR NEW FIXTURES TO BE PLACED ON EXISTING CIRCUIT.
- 8. EXISTING INSTANTANEOUS WATER HEATER ABOVE CEILING TO BE DEMOLISHED. REMOVE ALL ASSOCIATED POWER, DISCONNECT, PIPING, ETC. REMOVE ASSOCIATED WIRING BACK TO PANEL AND NOTE BREAKER AS SPARE IF NOT REUSED. REMOVE AND ABANDON UNUSED CONDUIT WHERE CONCEALED.



2 SECOND LEVEL RESTROOM ELECTRICAL DEMO PLAN
 SCALE: 1/4" = 1'-0" NORTH



1 FIRST LEVEL RESTROOM ELECTRICAL DEMO PLAN
 SCALE: NOT TO SCALE NORTH

GENERAL NOTES:

REFER TO SHEET E2-1 FOR GENERAL NOTES.

PLAN HEX NOTES:

- ROUTE NEW 200A FEEDER FROM EXISTING MDP2 TO EXISTING PANEL "2NLP1B". ROUTE 4 - #3/0 AND #6 GROUND IN 2.5" CONDUIT FEEDER AS NECESSARY TO AVOID CONFLICTING WITH EXISTING AND NEW PIPING, CONDUIT, ETC. DO NOT ROUTE IN ELEVATOR SHAFT OR MACHINE ROOM. FIELD VERIFY TERMINATION POINT VIA PULL BOX LOCATED ABOVE THE PANEL ON THE UPPER FLOOR.
- EXISTING FIRE ALARM SYSTEM. NFS-320 NOTIFIER.
- LIGHT FIXTURE INSTALLED VERTICALLY ADJACENT TO THE STAIR TO THE BOTTOM OF THE SHAFT. VERIFY EXACT LOCATION, FIXTURE ORIENTATION, AND MOUNTING HEIGHT OF SWITCH AND LIGHT FIXTURE WITH ELEVATOR EQUIPMENT INSTALLER PRIOR TO ANY ROUGH-IN.
- CONNECT TO NEW DEDICATED CIRCUIT FED FROM EXISTING PANEL E. PROVIDE NEW 20A 120V BREAKER IN EMPTY SPACE OF EXISTING PANEL E LOCATED IN MECH B2. THERE SHOULD BE ONE 120V DEDICATED CIRCUIT FOR ELEVATOR SHAFT BASED ON EXISTING DOCUMENTATION.
- CONNECT TO EXISTING ZINSCO QSF-2033 FUSIBLE SWITCHBOARD 200A SWITCH FOR ELEVATOR. 240V/3. PROVIDE NEW RK1 FUSES.
- APPROXIMATE LOCATION OF ELEVATOR CONTROLLER. EIC SHALL MAKE ALL FINAL CONNECTIONS OF ALL POWER CIRCUITS. VERIFY ALL REQUIREMENTS WITH EQUIPMENT WITH EXISTING EQUIPMENT PRIOR TO INSTALLATION.
- TWO CAT6 IT CONNECTIONS FOR ELEVATOR CONTROLLER PHONE COMMUNICATION SYSTEM. COORDINATE WITH OWNER FOR ANALOG CONVERSION AND EXISTING CONDITIONS FOR COMMUNICATIONS AS REQUIRED. FIELD VERIFY EXACT LOCATION IN MACHINE ROOM.
- UNDER 2019 NFPA 72 SMOKE SENSORS AND HEAT SENSORS SHALL BE INSTALLED IN THE HOISTWAY OR PIT IN MANNER TO BE TESTED AND SERVICED. REMOTE SENSORS SHALL BE INSTALLED IN THE ELEVATOR HOISTWAY WITH AN ACCESSIBLE MEANS TO TEST THE HEAT AND SMOKE SENSOR FROM OUTSIDE SMOKE SENSOR FROM OUTSIDE THE HOISTWAY.
- ELEVATOR TO BE FULLY REFURBISHED. ALL ELECTRICAL REQUIREMENTS AND WORK TO BE COORDINATED WITH OWNERS VENDOR. REMOVE POWER AND RECONNECT.
- CONNECT TO PREVIOUS CIRCUIT FOR ELEVATOR LIGHTING. PROVIDE NEW CIRCUIT IF NOT DEDICATED.
- INSTALL NEW CEILING MOUNTED SMOKE DETECTOR OUTSIDE ELEVATOR DOORS. CONNECT TO EXISTING FIRE ALARM SYSTEM.

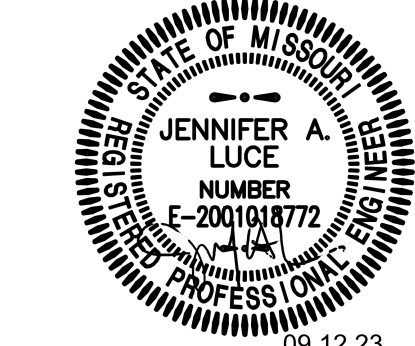


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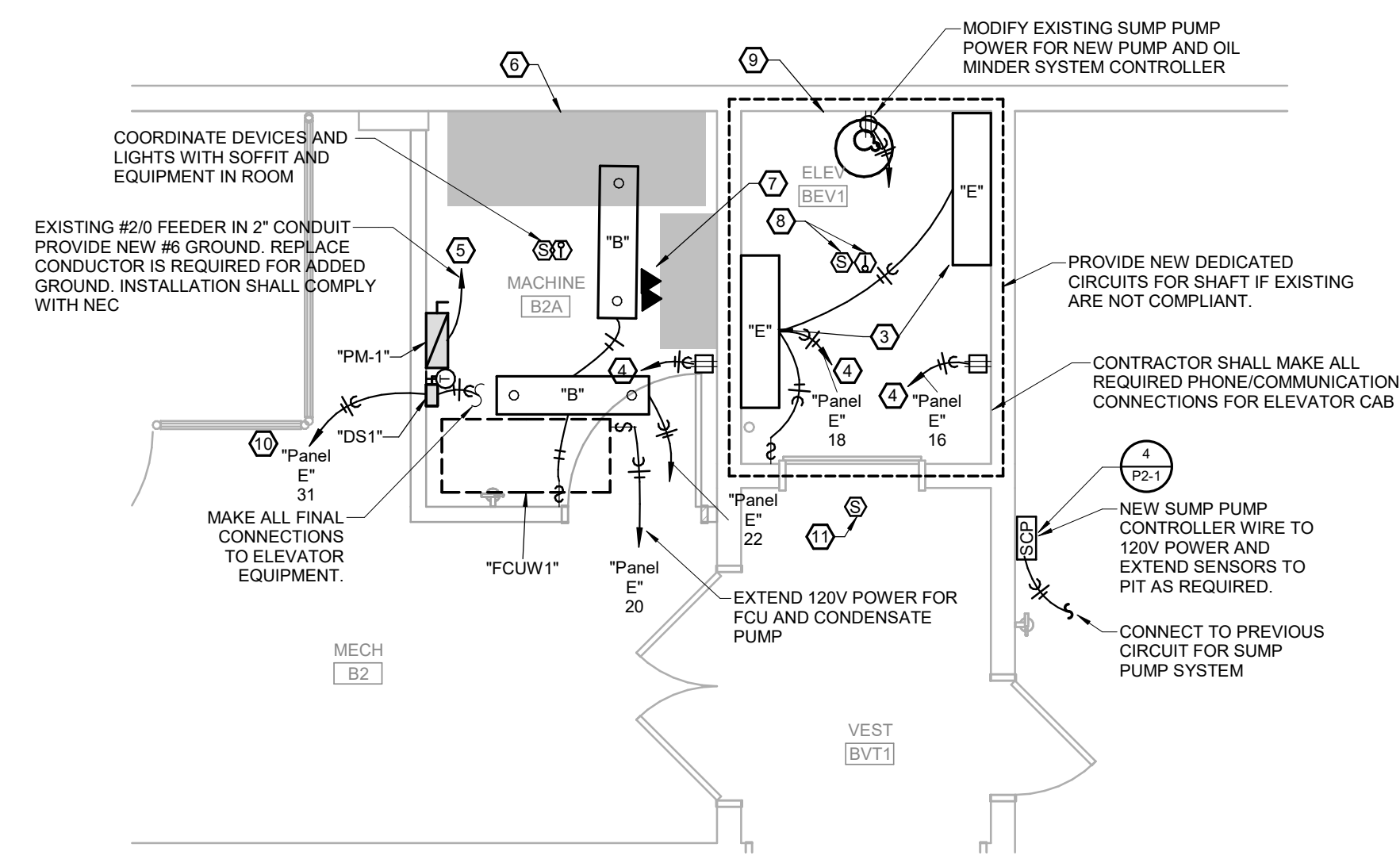
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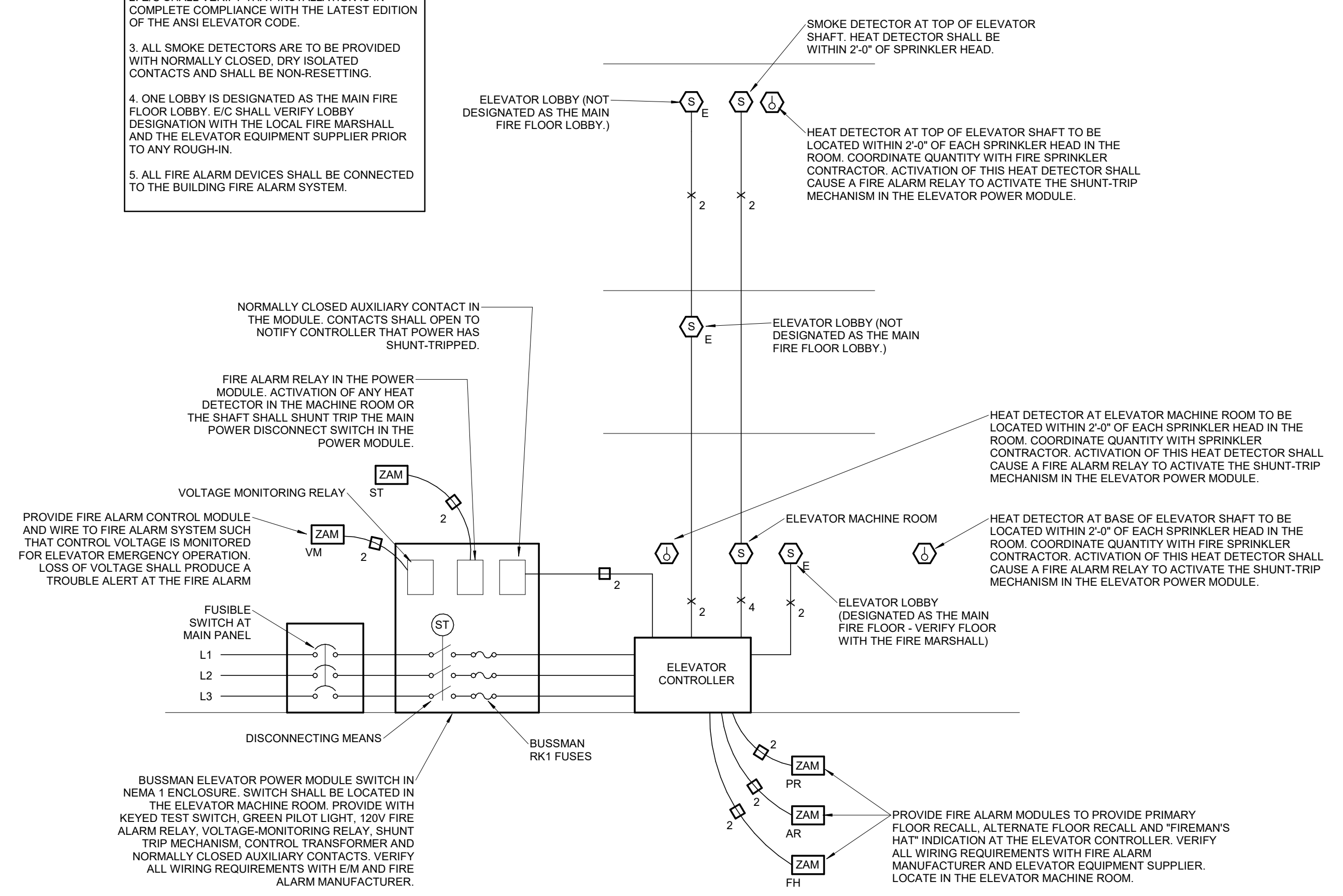
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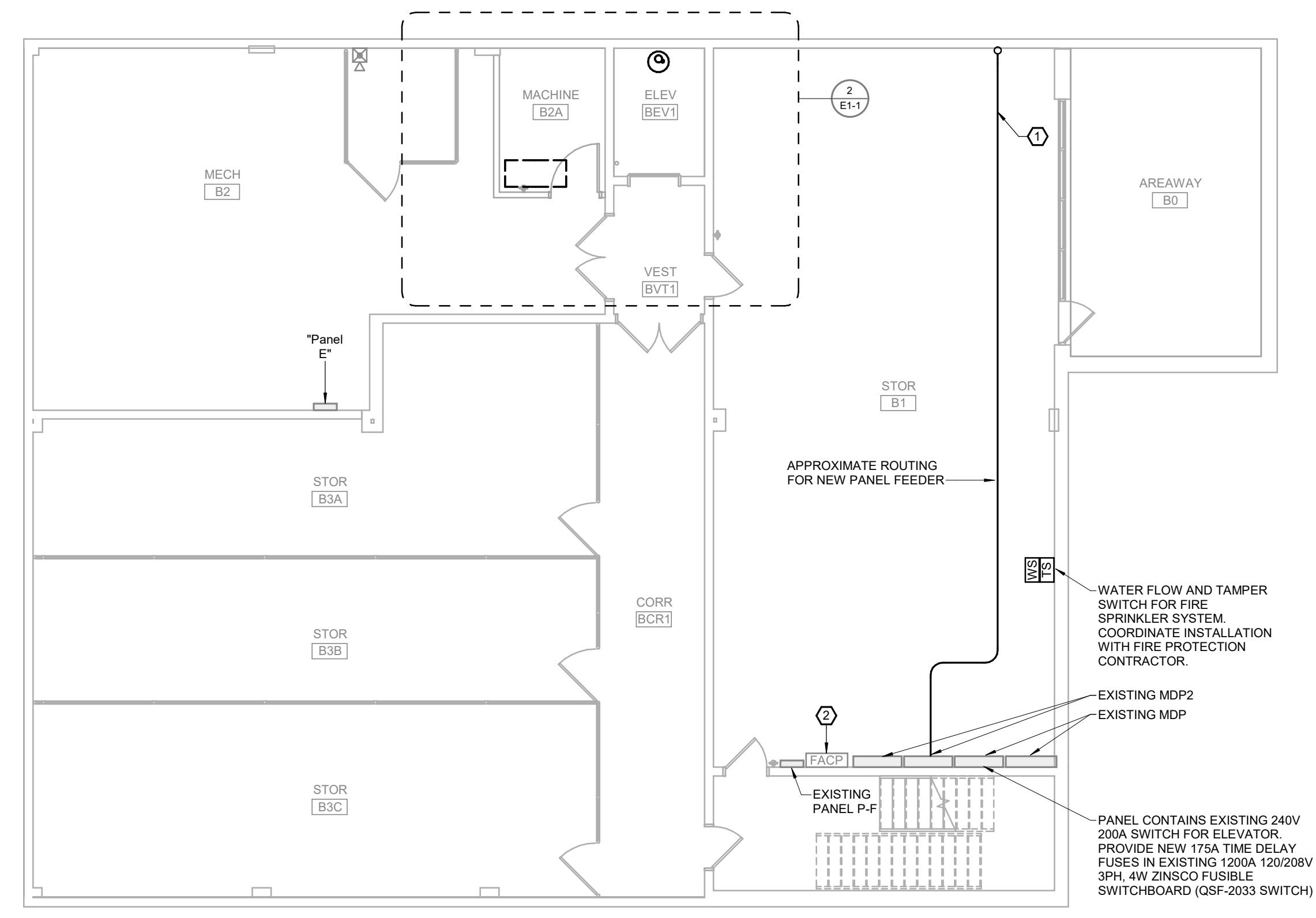


2 ENLARGED ELECTRICAL PLAN - ELEVATOR
 SCALE: NOT TO SCALE

- NOTES:**
- VERIFY ALL WIRING REQUIREMENTS WITH THE ELEVATOR EQUIPMENT SUPPLIER PRIOR TO ANY ROUGH-IN.
 - E/C SHALL VERIFY THAT INSTALLATION IS IN COMPLETE COMPLIANCE WITH THE LATEST EDITION OF THE ANSI ELEVATOR CODE.
 - ALL SMOKE DETECTORS ARE TO BE PROVIDED WITH NORMALLY CLOSED, DRY ISOLATED CONTACTS AND SHALL BE NON-RESETTING.
 - ONE LOBBY IS DESIGNATED AS THE MAIN FIRE FLOOR LOBBY. E/C SHALL VERIFY LOBBY DESIGNATION WITH THE LOCAL FIRE MARSHALL AND THE ELEVATOR EQUIPMENT SUPPLIER PRIOR TO ANY ROUGH-IN.
 - ALL FIRE ALARM DEVICES SHALL BE CONNECTED TO THE BUILDING FIRE ALARM SYSTEM.



3 ELEVATOR FIRE/SMOKE CONTROL SCHEMATIC
 SCALE: NOT TO SCALE



1 LOWER LEVEL ELECTRICAL PLAN
 SCALE: 1/8" = 1'-0"

PROJECT DESCRIPTION:
CENTENNIAL HALL IMPROVEMENTS AND RENOVATION
 300 W. 13TH STREET
 ROLLA, MO 65409

PROJECT ENGINEER: Approver
 DRAWN BY: LDN
 CHECKED BY: JAL

PROJECT NUMBER:
 22-703A
 RC000638

DATE:
 8.28.2023

LOWER LEVEL ELECTRICAL PLAN

SHEET NUMBER:

E1-1

AutoCAD Plot: 02/22/2024, 10:54:54 AM, 1/12/2023, 10:54:54 AM
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GENERAL NOTES:
 REFER TO SHEET E2-1 FOR GENERAL NOTES.

PLAN HEX NOTES:

- ELEVATOR TO BE FULLY REFURBISHED. ALL ELECTRICAL REQUIREMENTS AND WORK TO BE COORDINATED WITH OWNERS VENDOR. REMOVE POWER AND RECONNECT.
- NEW CONDUIT 3" WITH 30 FEEDER DOWN THROUGH EXISTING CHASE TO LOWER LEVEL MECHANICAL ROOM.
- EXISTING PANEL B. FIELD VERIFY EXISTING CIRCUITS IN PANEL PRIOR TO CONSTRUCTION. PROVIDE UPDATED TYPED LABELS AND SCHEDULE FOR PANELBOARD.
- MAINTAIN EXISTING EXIT AND EMERGENCY LIGHTING FIXTURES IN CORRIDOR. MAINTAIN AND REUSE EXISTING WIRING AND CONDUIT WHERE POSSIBLE.
- EXISTING 2X4 FIXTURE TO REMAIN.

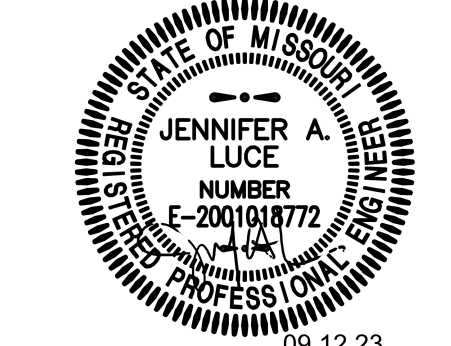


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 STATE OF MISSOURI
 CERTIFICATE OF AUTHORITY:
 #2014055205
 FOR ENGINEERING

JENNIFER A. LUCE
 E-201018772



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REVISION SCHEDULE

PROJECT DESCRIPTION:
**CENTENNIAL HALL IMPROVEMENTS
 AND RENOVATION**
 300 W. 17TH STREET
 ROLLA, MO 65409

PROJECT ENGINEER: Approver
 DRAWN BY: LDN
 CHECKED BY: JAL

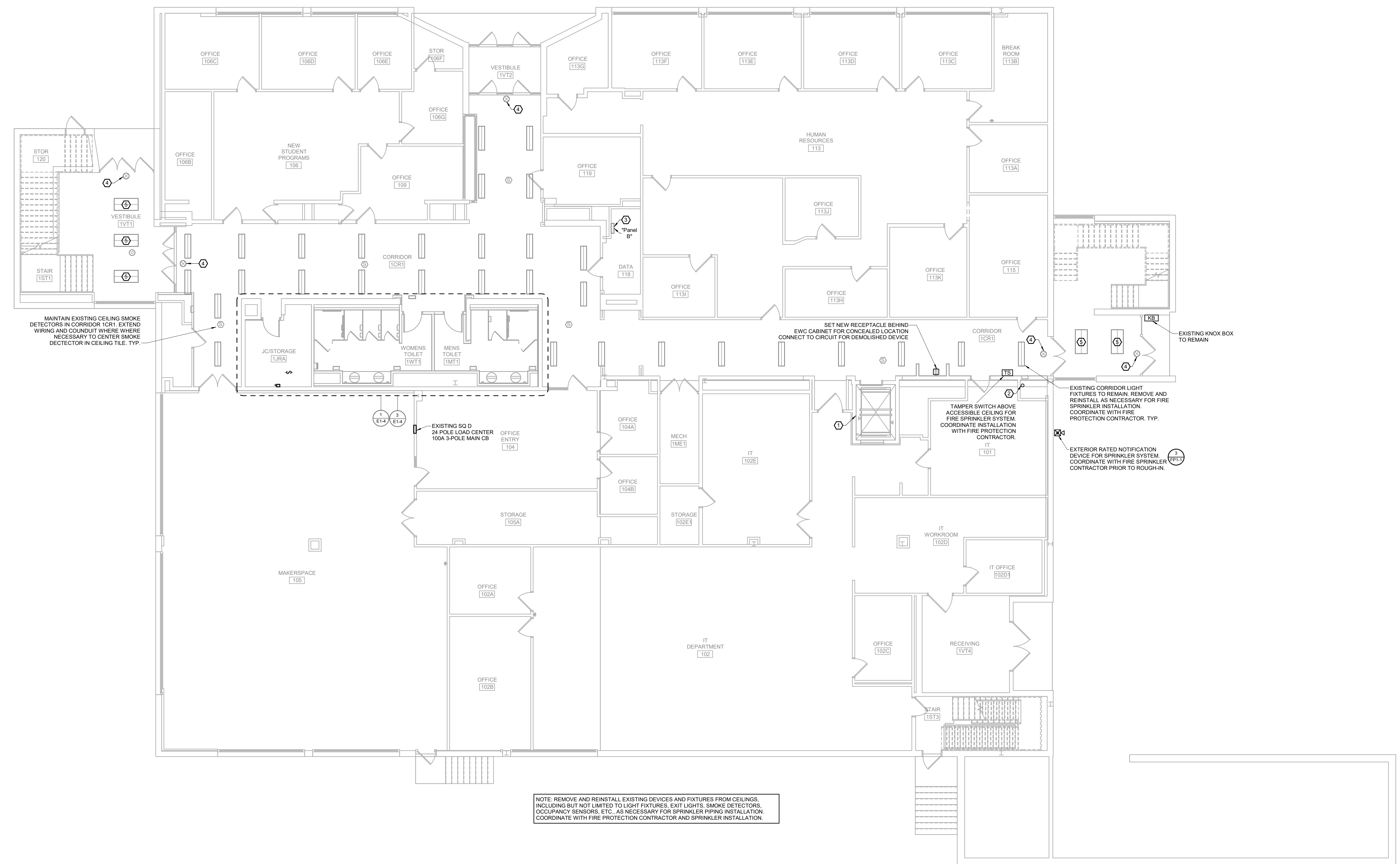
PROJECT NUMBER:
 22-703A
 RC000638

DATE:
 8.28.2023

**FIRST LEVEL
 ELECTRICAL PLAN**

SHEET NUMBER:

E1-2



GENERAL NOTES:

REFER TO SHEET E2-1 FOR GENERAL NOTES.

PLAN HEX NOTES:

- 1 NEW 3" CONDUIT AND 30 FEEDER ABOVE ACCESSIBLE CEILING TO EXISTING ABOVE CEILING JUNCTION BOX TO REROUTE EXISTING 30 FEED FROM EXISTING MDP TO EXISTING PANEL "2NLP1B" APPROXIMATE ROUTING INDICATED. COORDINATE INSTALLATION WITH EXISTING CONDITIONS. DO NOT ROUTE IN ELEVATOR SHAFT.
- 2 NEW CONDUIT 3" WITH 30 FEEDER DOWN THROUGH EXISTING CHASE TO LOWER LEVEL MECHANICAL ROOM.
- 3 UNDER 2019 NFPA 72 SMOKE SENSORS AND HEAT SENSORS SHALL BE INSTALLED IN THE HOISTWAY OR PIT IN MANNER TO BE TESTED AND SERVICED. REMOTE SENSORS SHALL BE INSTALLED IN THE ELEVATOR HOISTWAY WITH AN ACCESSIBLE MEANS TO TEST THE HEAT AND SMOKE SENSOR FROM OUTSIDE SMOKE SENSOR FROM OUTSIDE THE HOISTWAY.
- 4 CONNECT TO EXISTING CORRIDOR LIGHTING CIRCUIT IN EXISTING PANEL E, LOCATED IN ADMISSIONS 205.
- 5 ELEVATOR TO BE FULLY REFURBISHED. ALL ELECTRICAL REQUIREMENTS AND WORK TO BE COORDINATED WITH OWNERS VENDOR. REMOVE POWER AND RECONNECT.
- 6 EXISTING RECESSED PANELBOARD TO REMAIN. PROVIDE UPDATED TYPED LABELS AND SCHEDULES FOR ANY CHANGES MADE TO PANELBOARD.
- 7 EXISTING 2X4 FIXTURE TO REMAIN.
- 8 MAINTAIN EXISTING EXIT AND EMERGENCY LIGHTING FIXTURES IN CORRIDOR. MAINTAIN AND REUSE EXISTING WIRING AND CONDUIT WHERE POSSIBLE.

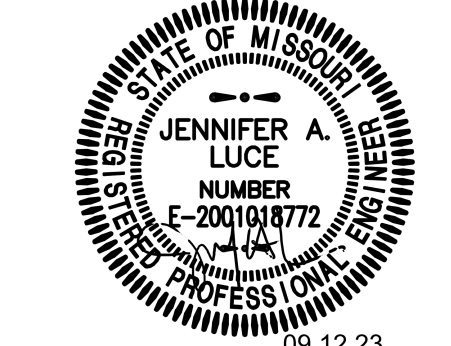


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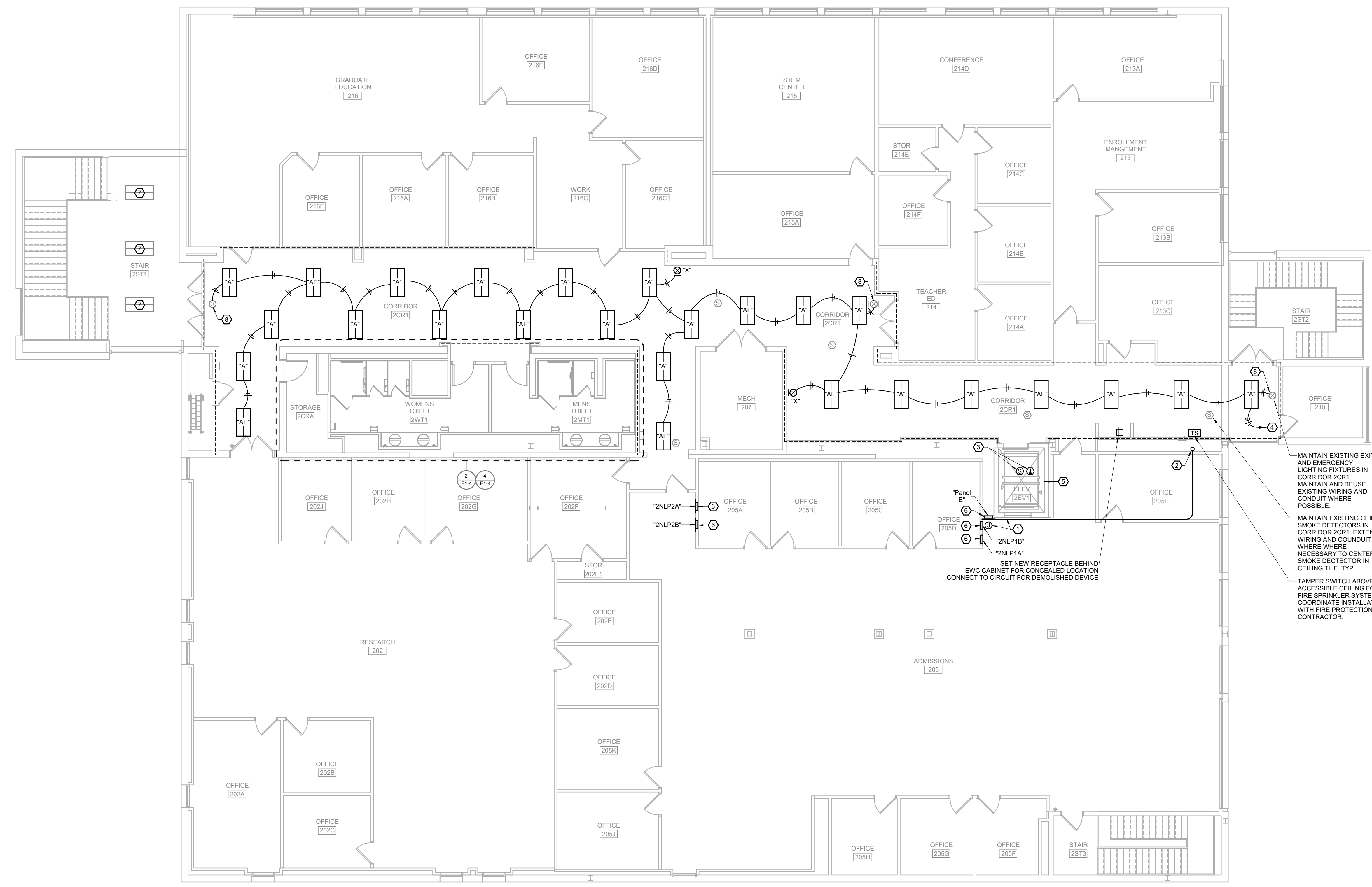
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 CERTIFICATE OF AUTHORITY:
 #201405028
 FOR ENGINEERING

JENNIFER A. LUCE
 E-2001018772



09.12.23
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REVISION SCHEDULE



MAINTAIN EXISTING EXIT AND EMERGENCY LIGHTING FIXTURES IN CORRIDOR 2CR1. MAINTAIN AND REUSE EXISTING WIRING AND CONDUIT WHERE POSSIBLE.

MAINTAIN EXISTING CEILING SMOKE DETECTORS IN CORRIDOR 2CR1. EXTEND WIRING AND CONDUIT WHERE NECESSARY TO CENTER SMOKE DETECTOR IN CEILING TILE. TYP.

TAMPER SWITCH ABOVE ACCESSIBLE CEILING FOR FIRE SPRINKLER SYSTEM. COORDINATE INSTALLATION WITH FIRE PROTECTION CONTRACTOR.

NOTE: REMOVE AND REINSTALL EXISTING DEVICES AND FIXTURES FROM CEILINGS, INCLUDING BUT NOT LIMITED TO LIGHT FIXTURES, EXIT LIGHTS, SMOKE DETECTORS, OCCUPANCY SENSORS, ETC., AS NECESSARY FOR SPRINKLER PIPING INSTALLATION. COORDINATE WITH FIRE PROTECTION CONTRACTOR AND SPRINKLER INSTALLATION. PROVIDE NEW #12 GAUGE WIRE SUPPORTS FOR NEW FIXTURES REINSTALLED UNDER THIS CONTRACT.

1 SECOND LEVEL ELECTRICAL PLAN
 E1-3 SCALE: 1/8" = 1'-0" NORTH

Altogether.com (22-703A-S&T) Created: 8/13/2023 3:46:45 PM
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CENTENNIAL HALL IMPROVEMENTS AND RENOVATION

PROJECT DESCRIPTION:
 300 W. 17TH STREET
 ROLLA, MO 65409

PROJECT ENGINEER: Approver
 DRAWN BY: LDN
 CHECKED BY: JAL

PROJECT NUMBER:
 22-703A
 RC000638

DATE:
 8.28.2023

SHEET NUMBER:
E1-3

GENERAL NOTES:

REFER TO SHEET E2-1 FOR GENERAL NOTES.

PLAN HEX NOTES:

- CONNECT TO EXISTING CORRIDOR LIGHTING CIRCUIT FED FROM EXISTING PANEL B LOCATED IN DATA 118. FIXTURES TO BE CONTROLLED WITH EXISTING CORRIDOR FIXTURES.
- CONNECT TO EXISTING RESTROOM LIGHTING CIRCUIT FED FROM EXISTING PANEL B LOCATED IN DATA 118. REUSE WIRING AND CONDUIT WHERE POSSIBLE.
- NEW LOW VOLTAGE CEILING MOUNTED OCCUPANCY SENSOR AND POWER PACK ABOVE CEILING. WIRE MULTIPLE SENSORS TO POWER PACK PER MANUFACTURER RECOMMENDATIONS.
- NEW CEILING MOUNTED EMERGENCY FIXTURE.
- NEW SUSPENDED FIXTURE. FIXTURE SHALL BE SUPPORTED BY A MINIMUM OF TWO #12 GAGE HANGER WIRES. SUSPEND TO 10' AFF.
- NEW RECESSED CAN LIGHT, CENTERED IN SOFIT.
- CONNECT TO HALLWAY RECEPTACLE CIRCUIT FED FROM EXISTING PANEL B.
- EXISTING RELOCATED FIRE ALARM SPEAKER/STROBE. EXTEND ALL WIRING AS NECESSARY FOR NEW LOCATION AS REQUIRED.
- CONNECT TO EXISTING 120V 20A BREAKER IN EXISTING PANEL "2NLP2B" LOCATED IN ADMISSIONS 205.
- CONNECT TO EXISTING 120V 20A SPARE BREAKER IN EXISTING PANEL "2NLP2A" LOCATED IN ADMISSIONS 205.
- CONNECT RECEPTACLES TO EXISTING CIRCUIT FROM DEMOLISHED HAND DRYERS.
- PROVIDE NEW 30A 2 POLE BREAKER IN EXISTING PANEL B LOCATED IN DATA 118. VERIFY LOCATION FOR DEMOLISHED WATER HEATER BREAKER. REMOVE AND REPLACE BREAKER AS REQUIRED.
- CONNECT TO 20A 1-POLE CIRCUIT BREAKER IN EXISTING PANEL PANEL 'B' IF AVAILABLE OR PANEL IN LAB.



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REVISION SCHEDULE

PROJECT DESCRIPTION:
CENTENNIAL HALL IMPROVEMENTS AND RENOVATION
 300 W. 13TH STREET
 ROLLA, MO 65409

PROJECT ENGINEER: Approver
 DRAWN BY: LDN
 CHECKED BY: JAL

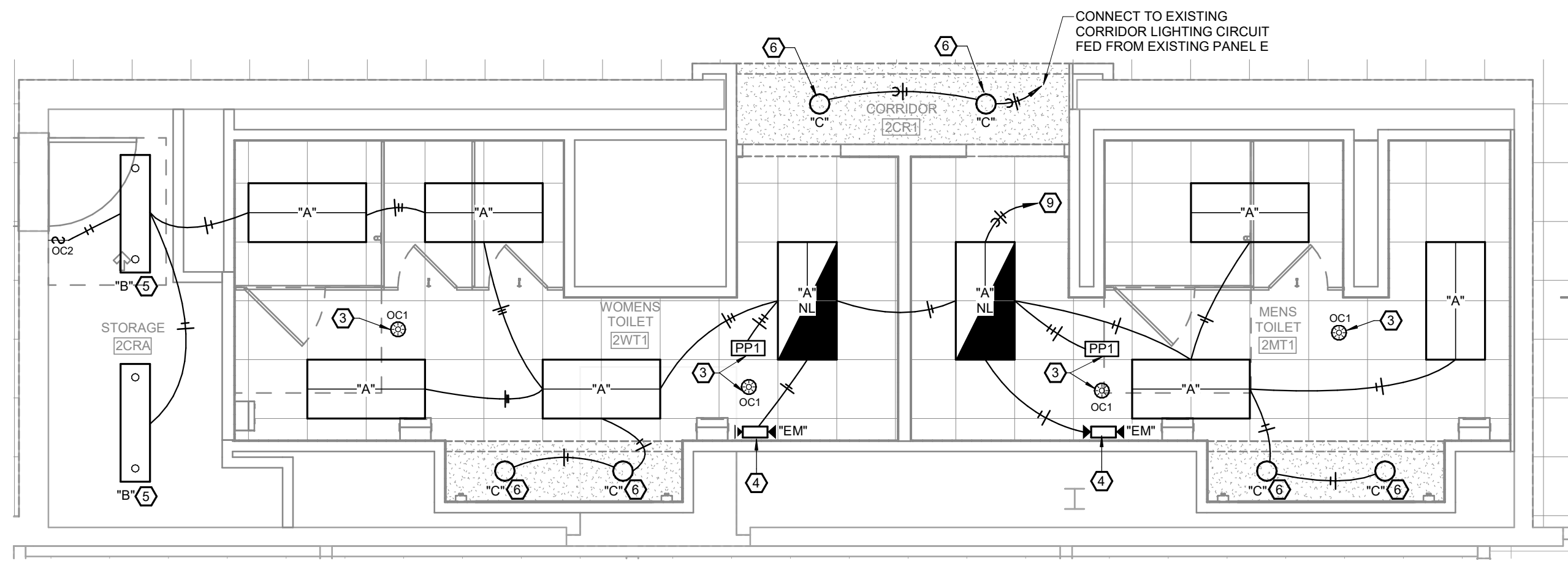
PROJECT NUMBER:
 22-703A
 RC000638

DATE:
 8.28.2023

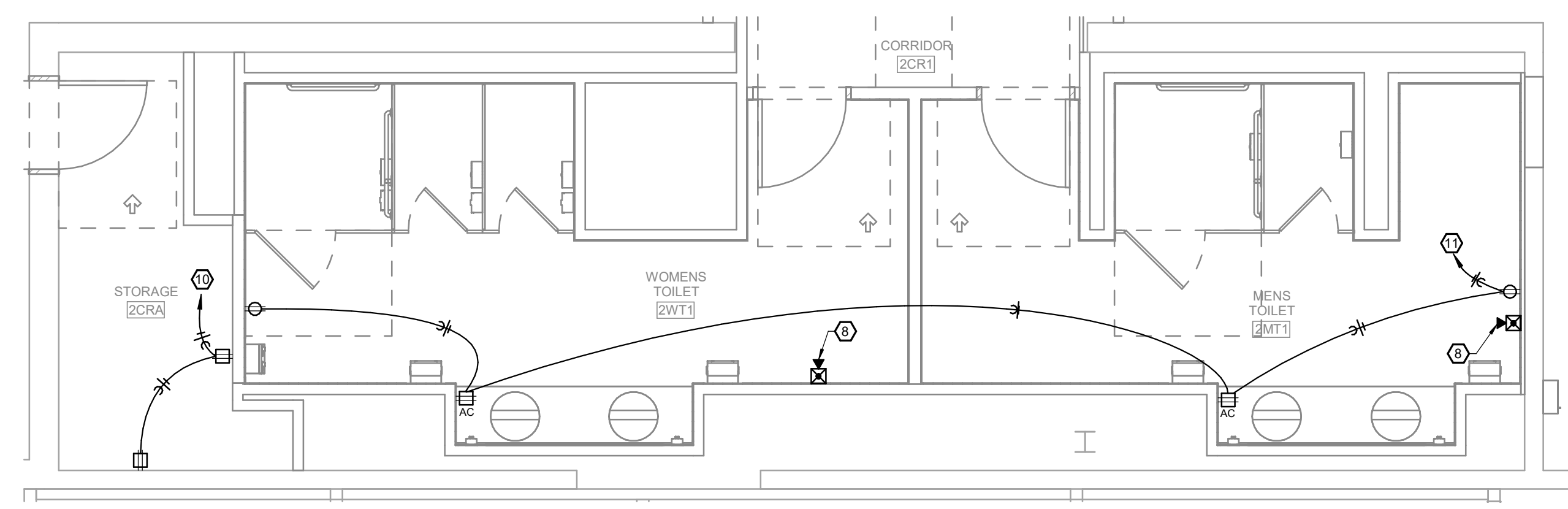
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SHEET NUMBER:

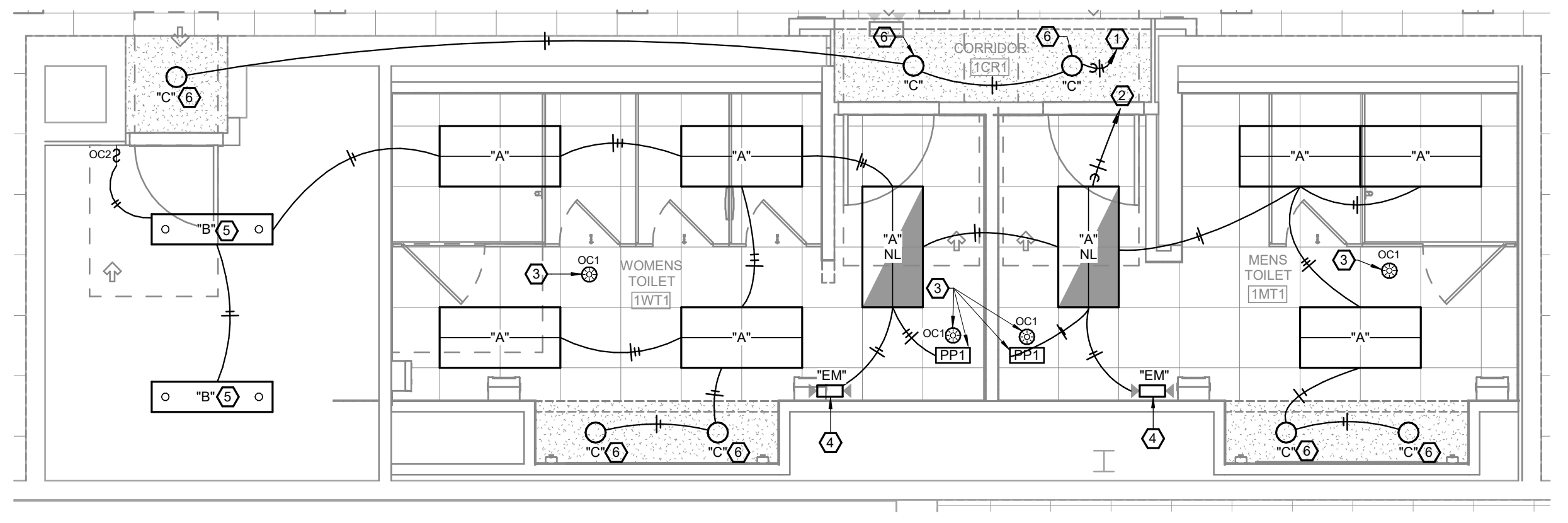
E1-4



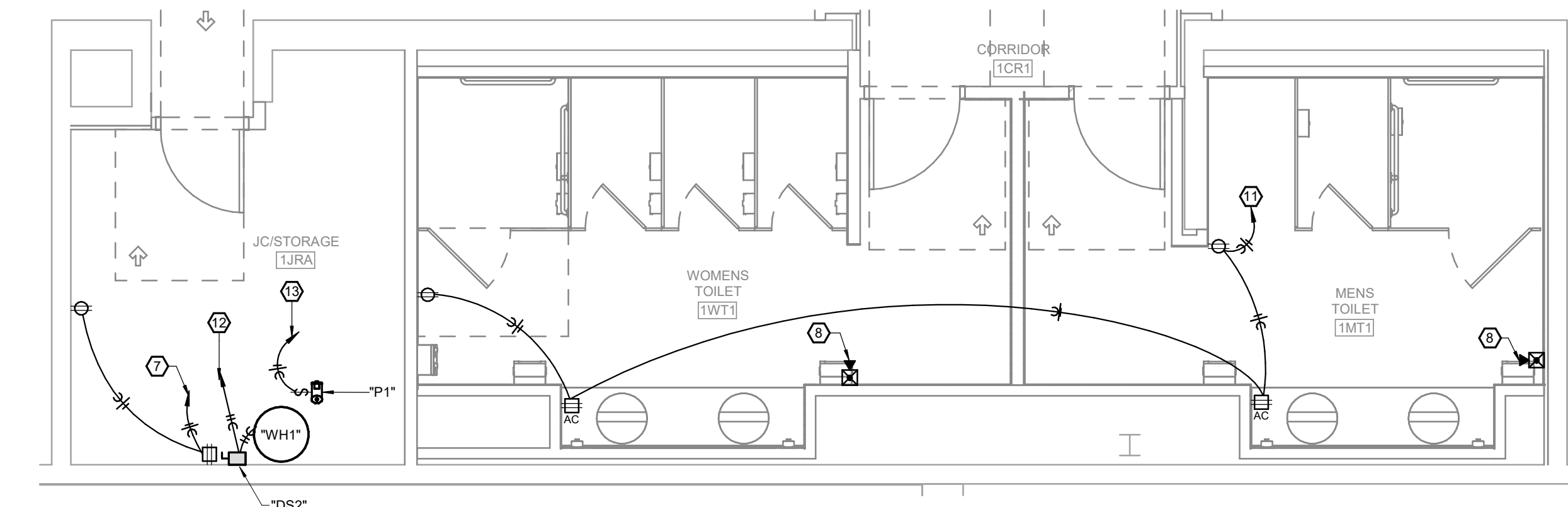
4 SECOND LEVEL RESTROOM LIGHTING PLAN
 E1-4 SCALE: 1/4" = 1'-0" NORTH



2 SECOND LEVEL RESTROOM POWER PLAN
 E1-4 SCALE: 1/4" = 1'-0" NORTH



3 FIRST LEVEL RESTROOM LIGHTING PLAN
 E1-4 SCALE: 1/4" = 1'-0" NORTH



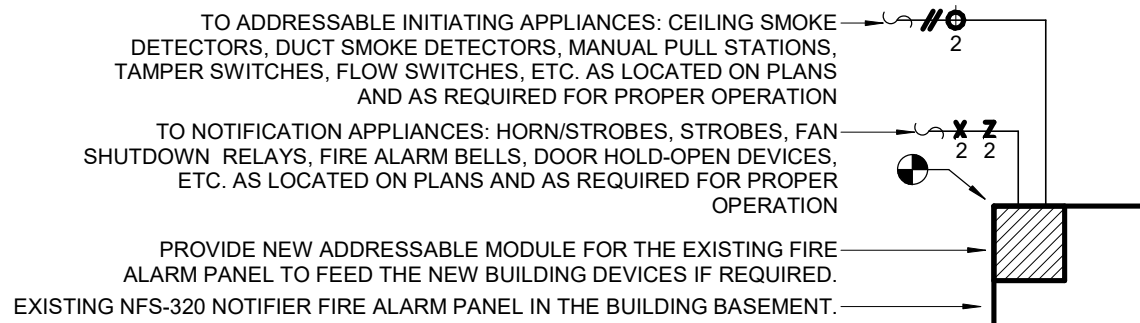
1 FIRST LEVEL RESTROOM POWER PLAN
 E1-4 SCALE: 1/4" = 1'-0" NORTH

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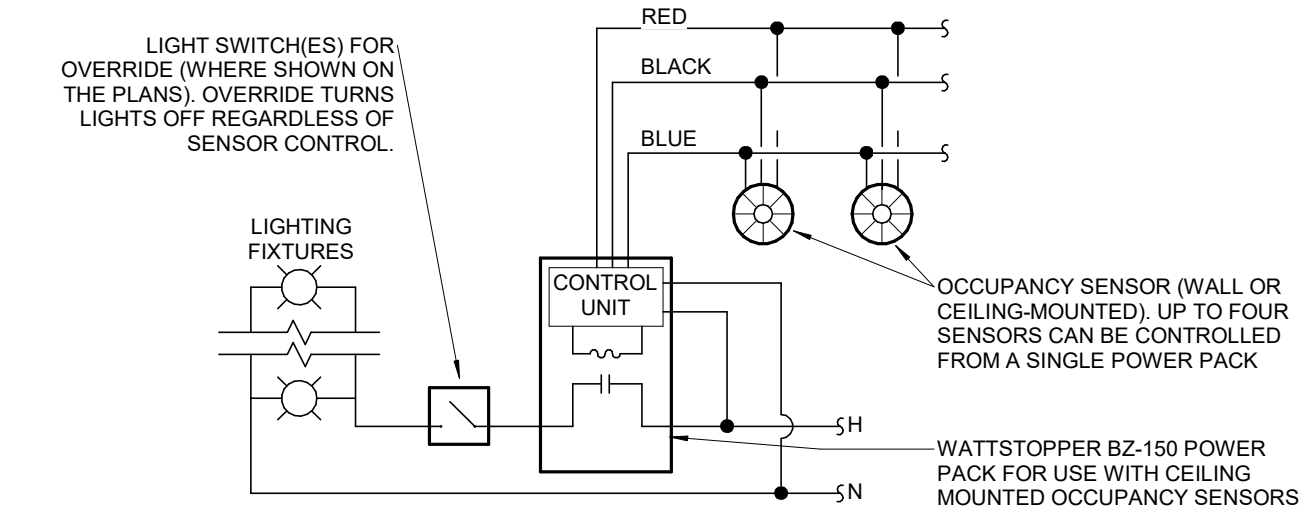


3 EXISTING PANEL "B" SCALE: NOT TO SCALE



TO ADDRESS INITIATING APPLIANCES: CEILING SMOKE DETECTORS, DUCT SMOKE DETECTORS, MANUAL PULL STATIONS, TAMPER SWITCHES, FLOW SWITCHES, ETC. AS LOCATED ON PLANS AND AS REQUIRED FOR PROPER OPERATION...

2 FIRE ALARM RISER DIAGRAM SCALE: NOT TO SCALE



NOTE: 1. WIRING DIAGRAM SHOWN IS SCHEMATIC. WIRE AND INSTALL PER THE MANUFACTURER'S REQUIREMENTS. VERIFY ALL WIRING REQUIREMENTS PRIOR TO ANY ROUGH-IN...

1 OCCUPANCY SENSOR WIRING DIAGRAM SCALE: NOT TO SCALE

ELEVATOR POWER MODULE SCHEDULE

Table with columns: PLAN MARK, LOAD, MANUFACTURER, MODEL, SWITCH, FUSE, ENCLOSURE, NOTES. Includes abbreviations for fire safety interface relay, fire voltage monitoring relay, etc.

DISCONNECT SCHEDULE

Table with columns: PLAN MARK, EQUIPMENT SERVED, VOLTAGE, DUTY, SWITCH, POLES, FUSE, ENCLOSURE, NOTES.

LIGHTING DEVICE SCHEDULE

Table with columns: PLAN MARK, MOUNTING TYPE, MANUFACTURER, MODEL, FINISH, NOTES.

LUMINAIRE SCHEDULE

Table with columns: PLAN MARK, MANUFACTURER, MODEL, MOUNTING TYPE, FINISH, SOURCE TYPE, LUMINAIRE SOURCE, ELECTRICAL, DESCRIPTION.

CIRCUIT BREAKER PANELBOARD SCHEDULE

Table with columns: PANEL NAME, LOCATION, VOLTAGE, MAIN TYPE, BUS RATING, MCB RATING, MIN. AIC RATING, and a detailed circuit breaker schedule table.

NOTES/ACCESSORIES: 1. PROVIDE SPARE 20A, SINGLE-POLE BREAKERS IN ALL UNUSED SPACES. 2. INFORMATION IN PANELBOARD SCHEDULE IS COMPILED FROM EXISTING OBSERVATIONS AND PANELBOARD SCHEDULE FROM SITE.

EXISTING CIRCUIT BREAKER PANELBOARD SCHEDULE

Table with columns: PANEL NAME, LOCATION, VOLTAGE, MAIN TYPE, BUS RATING, MCB RATING, MIN. AIC RATING, and an existing circuit breaker schedule table.

NOTES/ACCESSORIES: 1. PROVIDE NEW BREAKERS IN EXISTING PANEL FOR "NEW" DESIGNATED LOCATIONS. 2. INFORMATION IN PANELBOARD SCHEDULE IS COMPILED FROM EXISTING OBSERVATIONS AND PANELBOARD SCHEDULE FROM SITE.

GENERAL NOTES:

- A. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE 2009 NATIONAL ELECTRIC CODE AS ADOPTED BY MISSOURI S&T. B. FOR ALL ELECTRICAL QUESTIONS ON THIS PROJECT, CONTACT RTM ENGINEERING CONSULTANTS AT (417) 881-0020. CONTACT: LARRY NEUHAUS.

GENERAL NOTES:

- A. INSTALL ALL SWITCHBOARDS, PANELBOARDS, TRANSFORMERS, CONTACTORS, AND ASSOCIATED CONDUIT AND SUPPORT SYSTEMS IN THE ELECTRICAL ROOM IN A MANNER AND LOCATION TO ACCOMMODATE THE INSTALLATION OF ALL FUTURE PANELBOARDS.

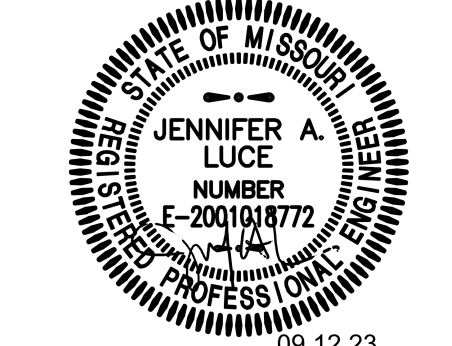


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REVISION SCHEDULE

CENTENNIAL HALL IMPROVEMENTS AND RENOVATION

PROJECT ENGINEER: Approver DRAWN BY: LDN CHECKED BY: JAL

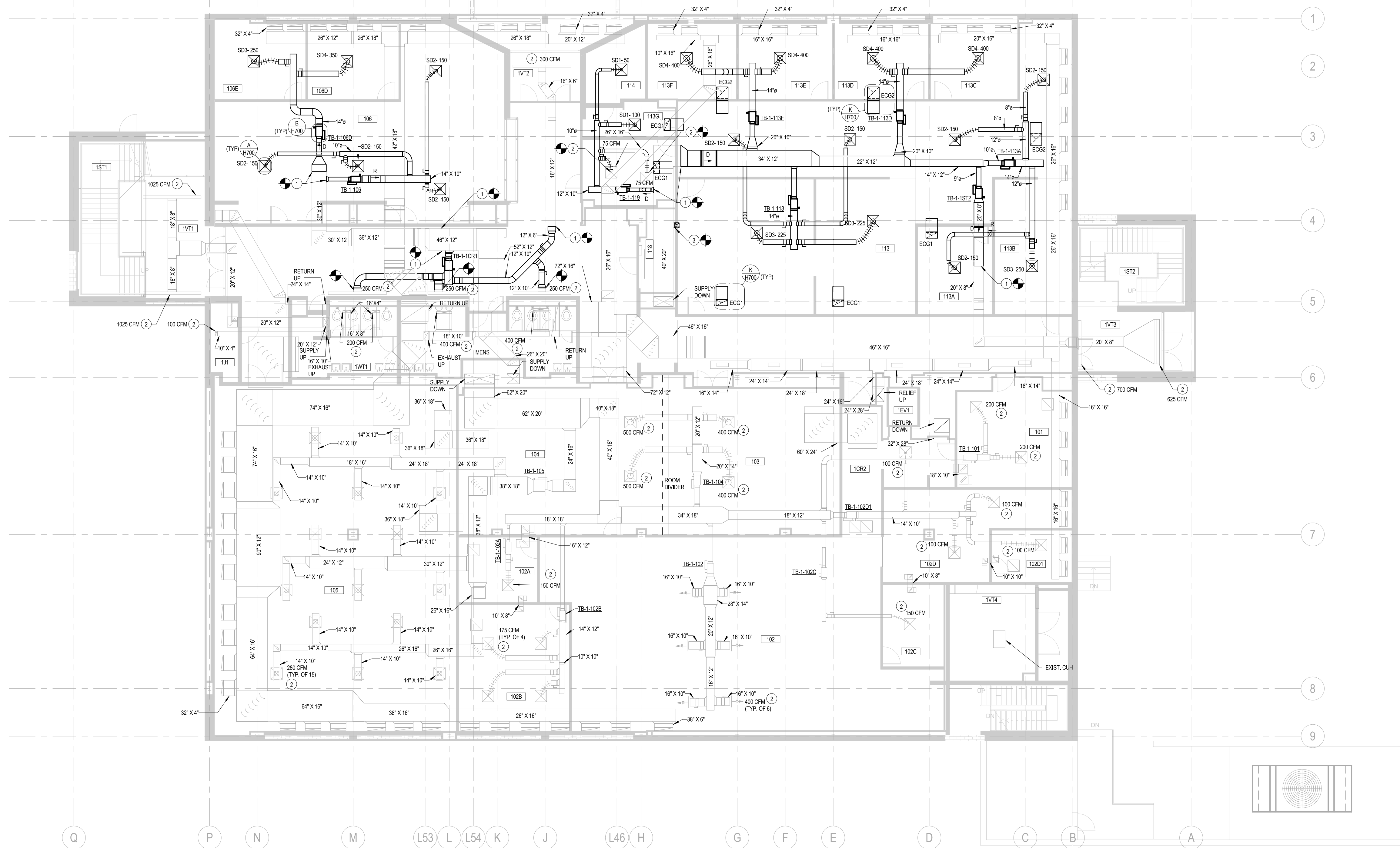
PROJECT NUMBER: 22-703A RC000638

DATE: 8.28.2023

ELECTRICAL DETAILS & SCHEDULES

SHEET NUMBER:

E2-1



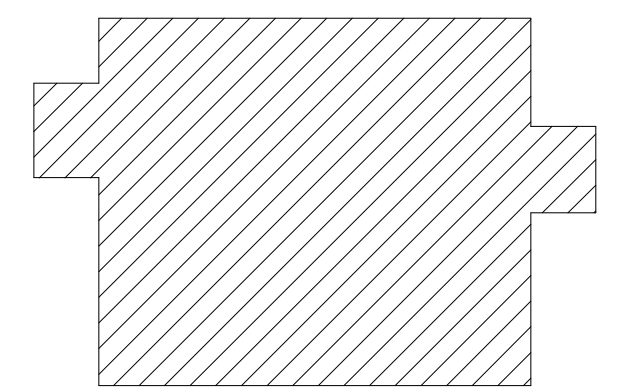
1 FIRST FLOOR HVAC PLAN
1/8" = 1'-0"

GENERAL NOTES:

- A. REFER TO DIFFUSER SCHEDULE FOR DUCT RUNOUT SIZES TO DIFFUSERS.
- B. REFER TO TERMINAL BOX SCHEDULE FOR DUCT RUNOUT SIZES TO TERMINAL BOXES.
- C. REFER TO EXISTING TERMINAL BOX SCHEDULE FOR OVERALL NEW BALANCED CFM.
- D. INSTALL TERMINAL BOXES NO GREATER THAN 24" ABOVE CEILING.
- E. AT CONTRACTOR'S DISCRETION, ROUND OR RECTANGULAR DUCTWORK MAY BE UTILIZED GIVEN SPATIAL CONDITIONS ABOVE CEILING.

H201 - PLAN NOTES

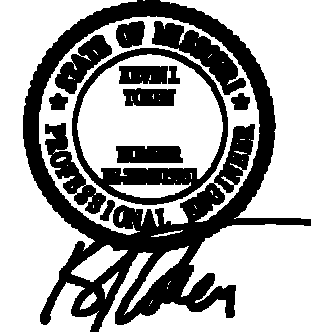
- 1. CONNECT NEW SUPPLY DUCT TO EXISTING SUPPLY DUCT.
- 2. BALANCE EXISTING DIFFUSER/GRILLE TO CFM SHOWN.
- 3. 10" X 8" SUPPLY DUCT OUT SIDE OF 48" X 20" ELBOW DUCT DOWN INTO TELECOM ROOM TO 2ND F.F. INSTALL BALANCING DAMPER IN DUCT DROP AND EXTERNALLY INSULATE DUCT. TERMINATE DUCT WITH EMS AND BALANCE TO 200 CFM.



KEYPLAN

MARK	DATE	DESCRIPTION

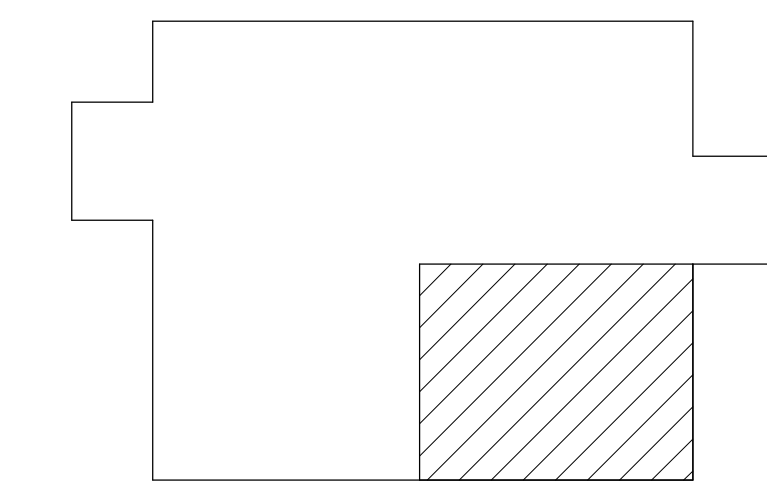
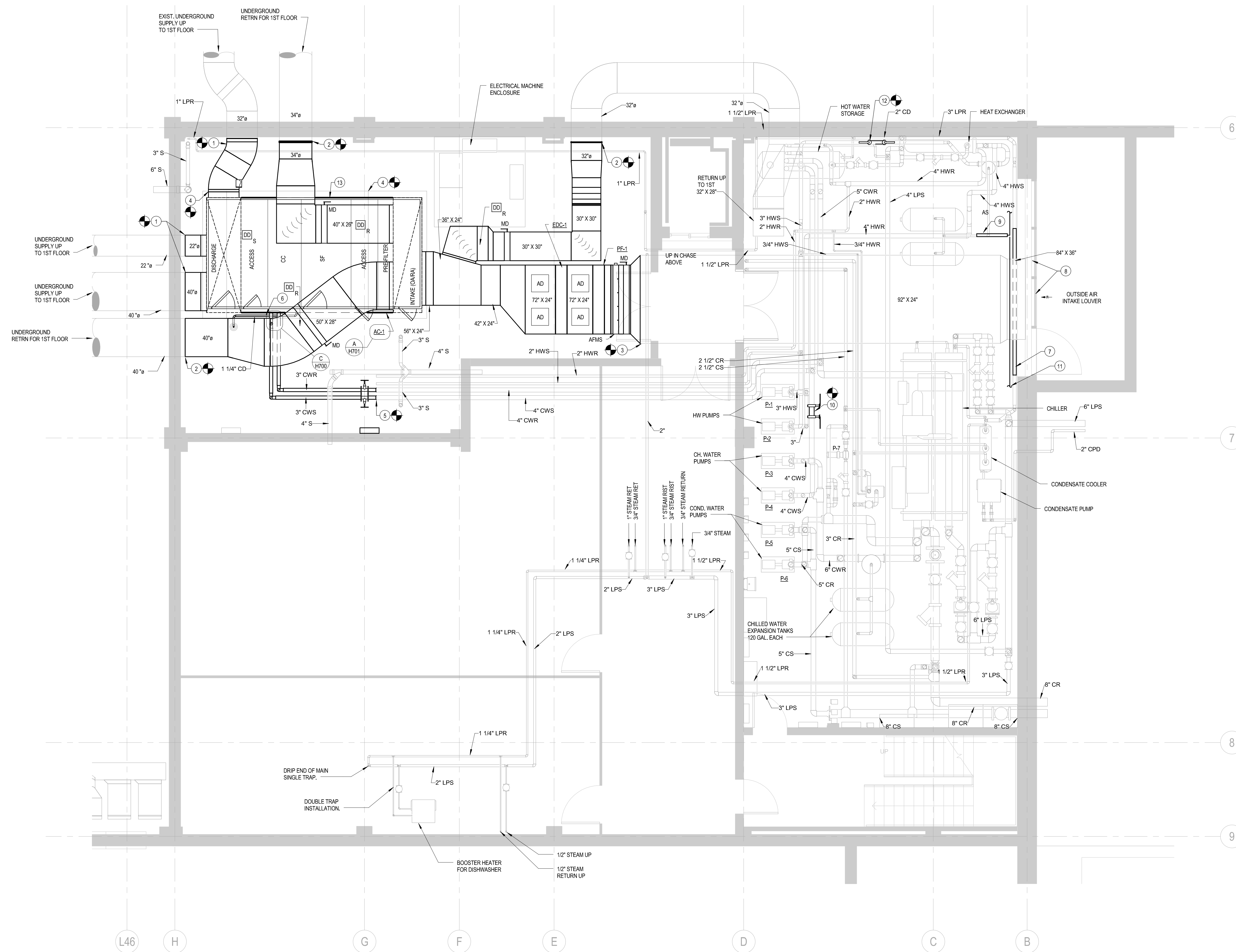
DATE SIGNED: 27 JUNE 2011



FIRST FLOOR HVAC PLAN

SCALE	As Indicated	CLIENT NO.	0884
DATE	05 JULY 2011	PROJECT NO.	08840003
COORD	TAW		
DRAWN	TAW		
APPROVED	KJT		
FILE NAME			

H201



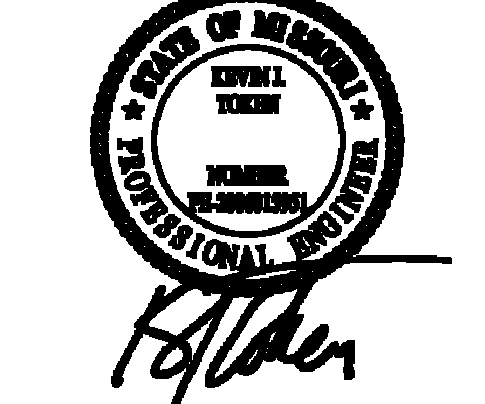
KEYPLAN
PLAN NORTH

MARK	DATE	DESCRIPTION

1 BASEMENT MECHANICAL ROOM HVAC PLAN
1/4" = 1'-0"

- H400 - PLAN NOTES
- CONNECT NEW SUPPLY DUCT TO EXISTING SUPPLY DUCT.
 - CONNECT NEW RETURN DUCT TO EXISTING RETURN DUCT.
 - CONNECT NEW OUTSIDE AIR DUCT TO EXISTING OUTSIDE AIR DUCT.
 - CONNECT NEW EQUIPMENT PAT TO EXISTING EQUIPMENT PAD. EXTEND BEYOND UNIT 4". COORDINATE LENGTH WITH AIR HANDLER MANUFACTURER. REFER TO DETAIL L ON H700 FOR FURTHER DETAIL.
 - CONNECT NEW CWSR TO EXISTING CWSR.
 - ROUTE 1-1/4" CD ALONG BASE RAIL OF AHU TO FLOOR DRAIN. REFER TO DETAIL D ON H700 FOR FURTHER INFORMATION.
 - RE-INSTALL EXISTING 3" LPR LINE AS REQUIRED.
 - RE-INSTALL EXISTING LOUVER AND STORE FRONT AS REQUIRED AND RE-CONNECT OUTSIDE AIR DUCT TO LOUVER. CLEAN LOUVER OF DIRT AND DEBRIS.
 - RE-INSTALL EXISTING HEAT EXCHANGER AND PIPING AS REQUIRED.
 - CONNECT NEW CHILLED WATER FLOW METER TO EXISTING CWS. PROVIDE NEW SHUTOFF VALVES TO ISOLATE FLOW METER.
 - RE-CONNECT EXISTING 1-1/2" MPR.
 - CONNECT NEW HOT WATER FLOW METER TO EXISTING HWS. PROVIDE NEW SHUT OFF VALVES TO ISOLATE FLOW METER. FILED VERIFY LOCATION.
 - AC-1 EQUIPMENT AND INSTALLATION UNDER ALTERNATE BID.

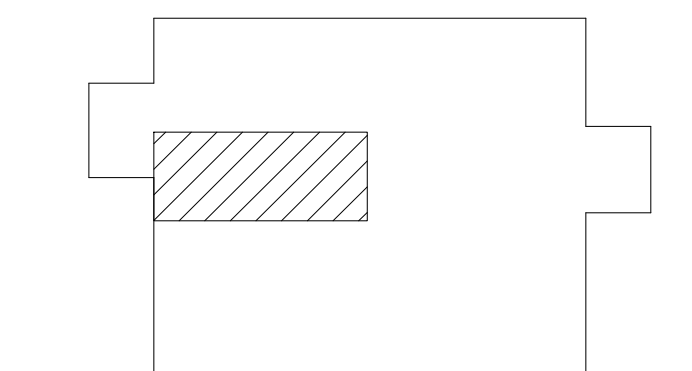
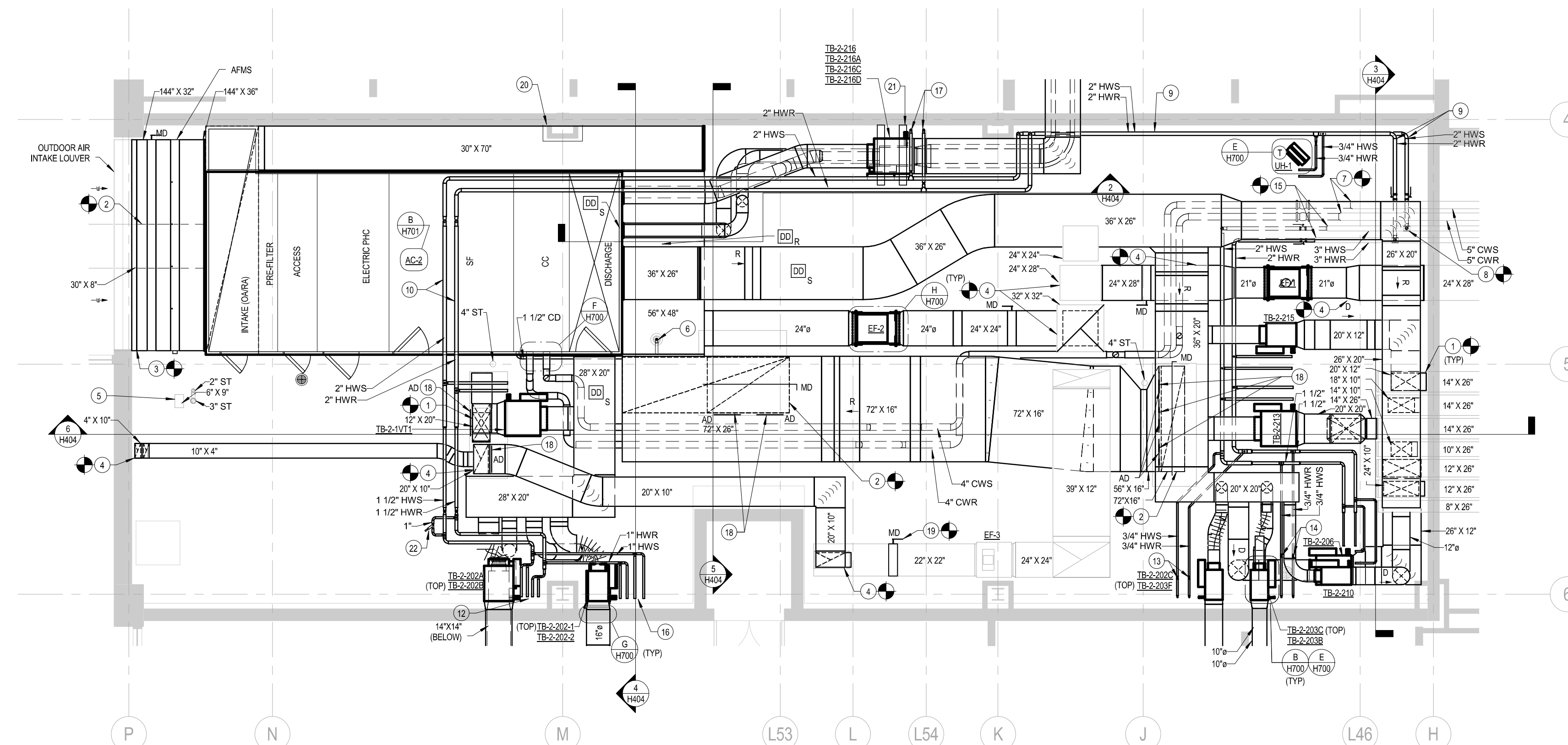
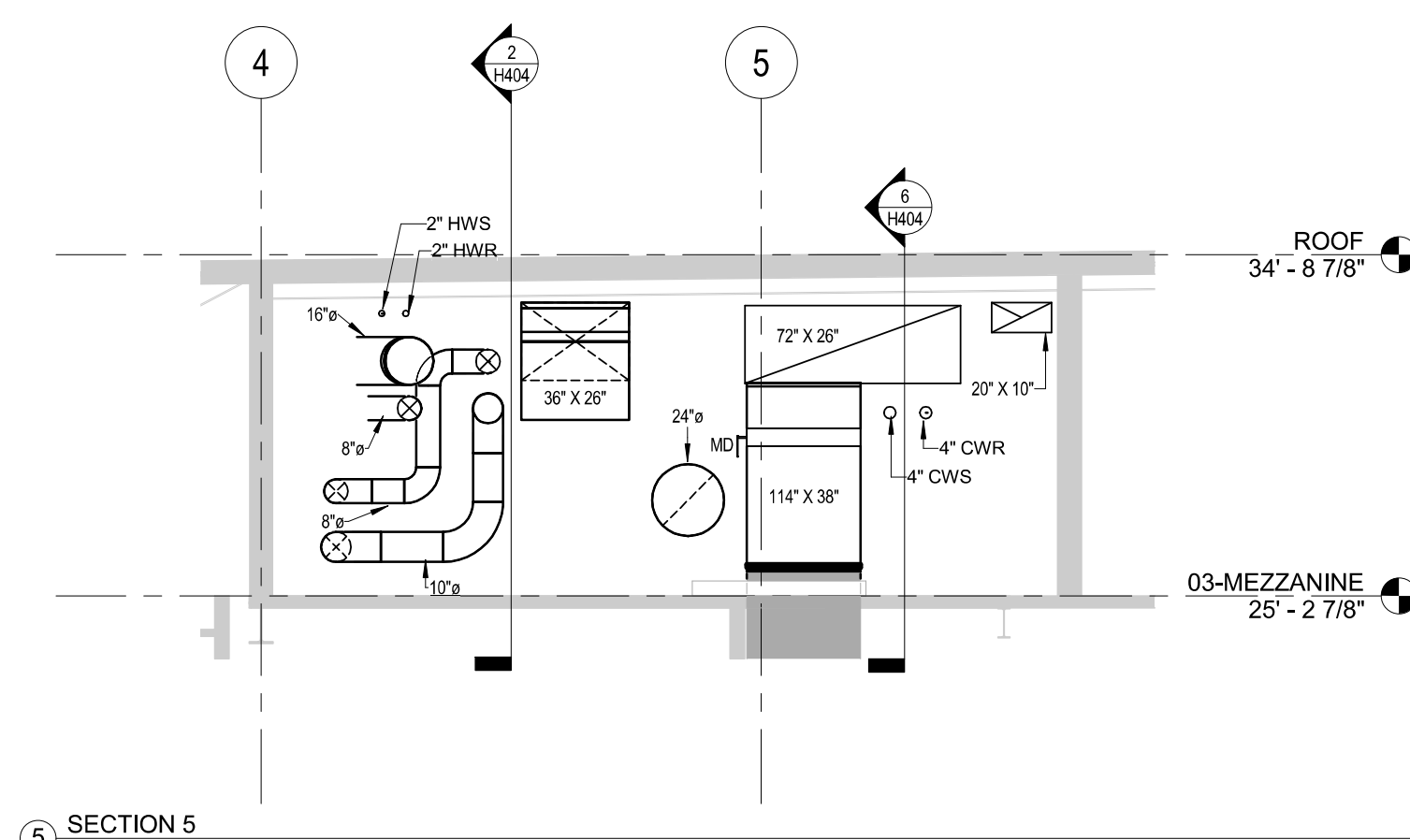
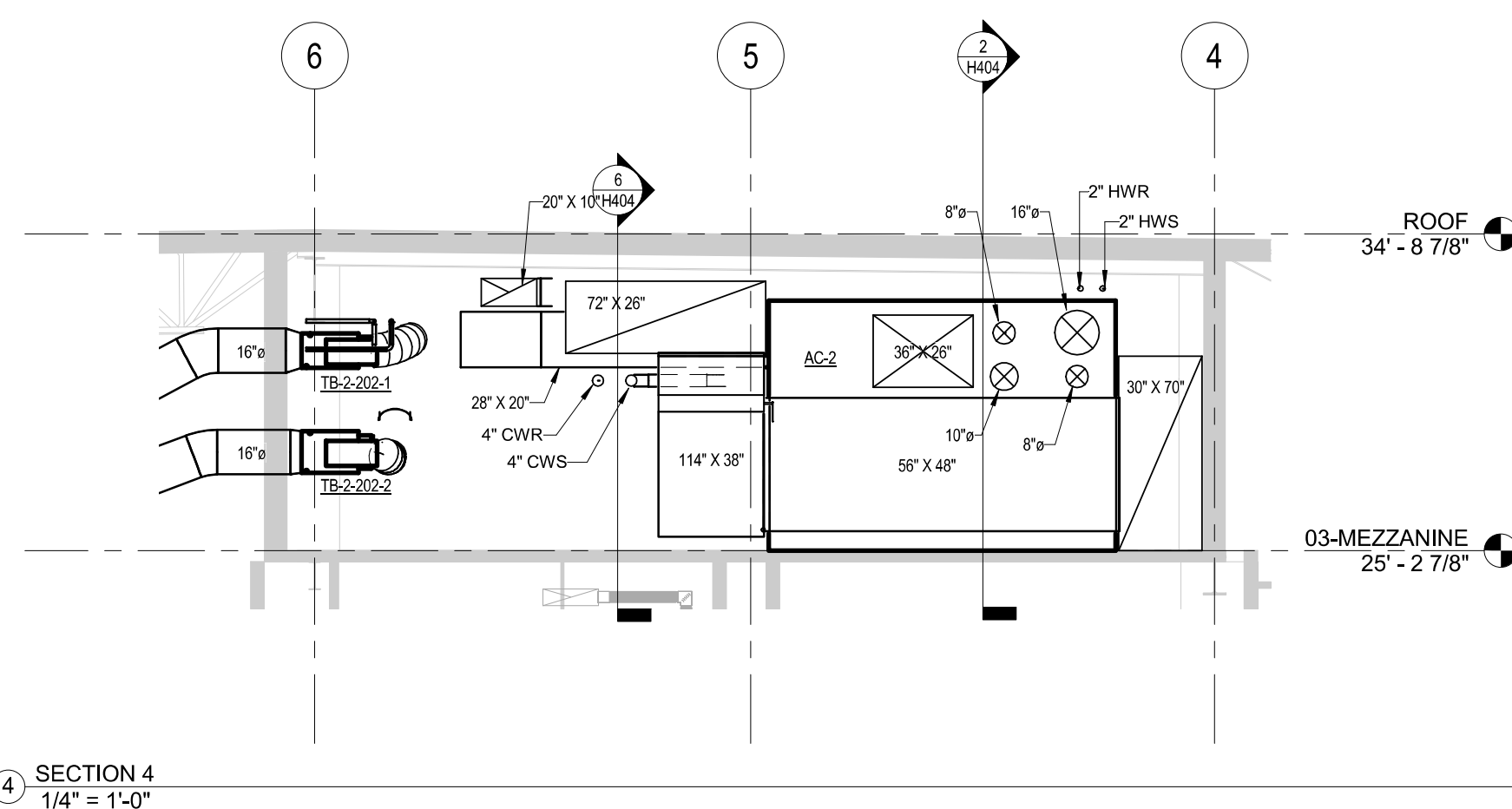
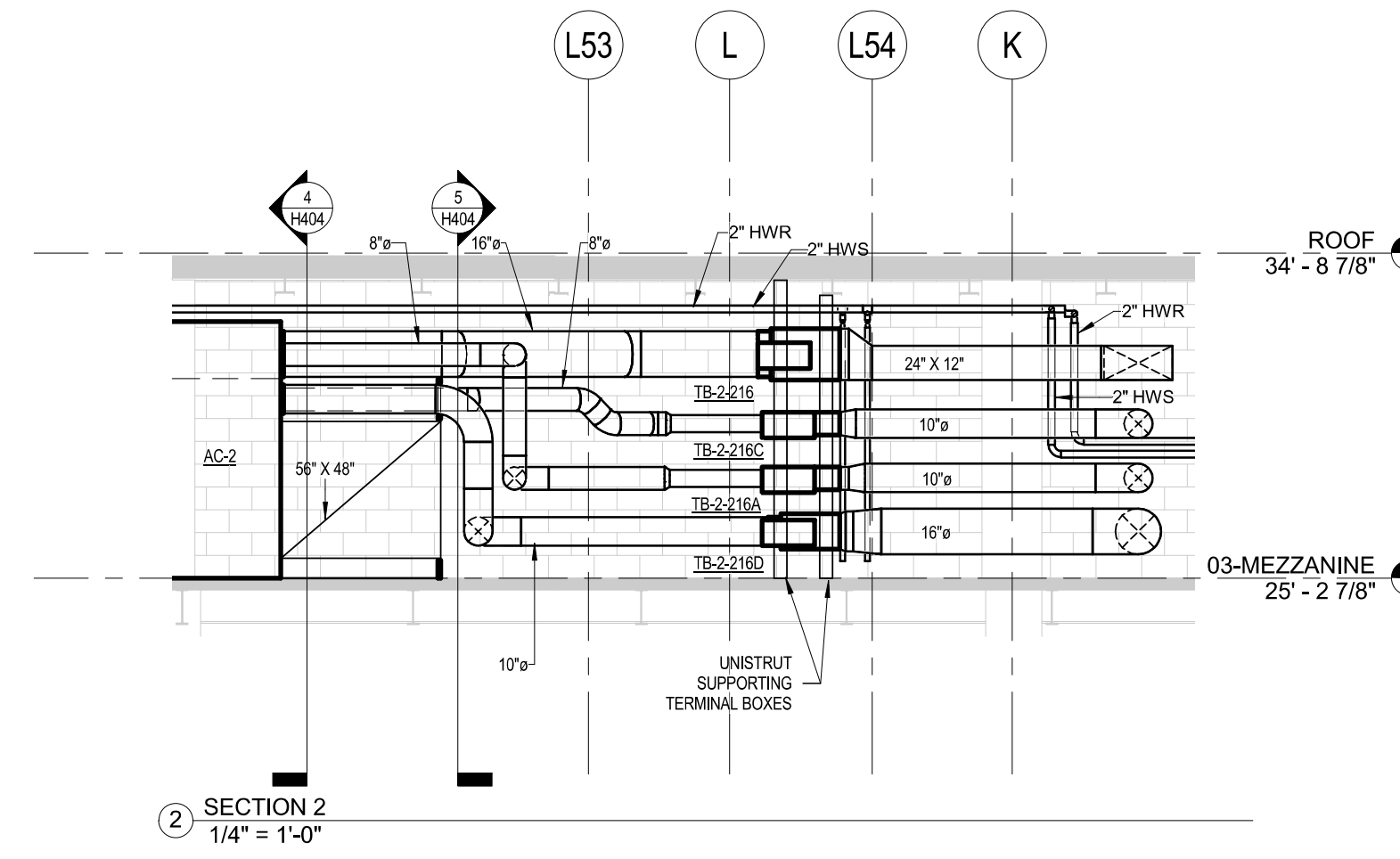
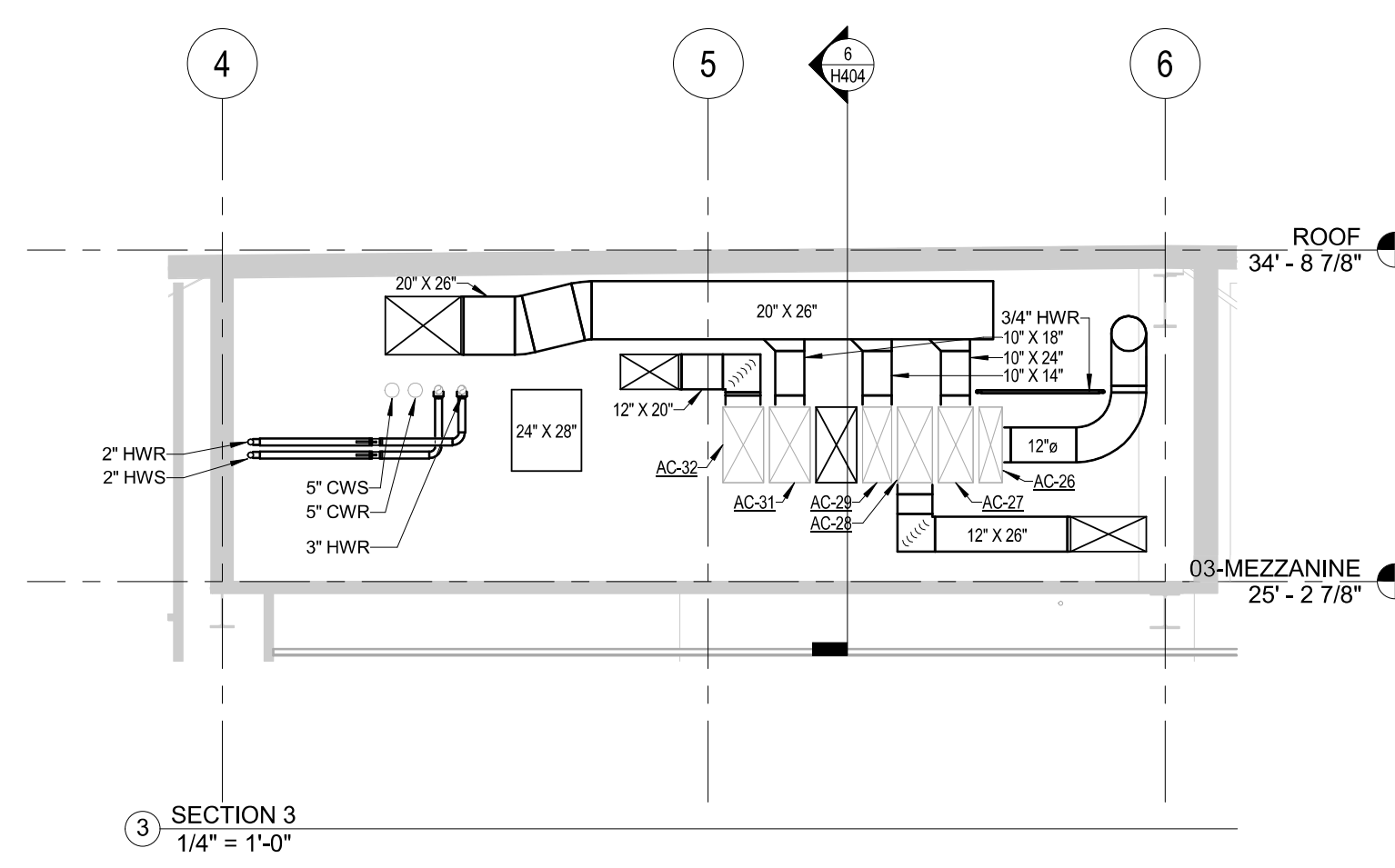
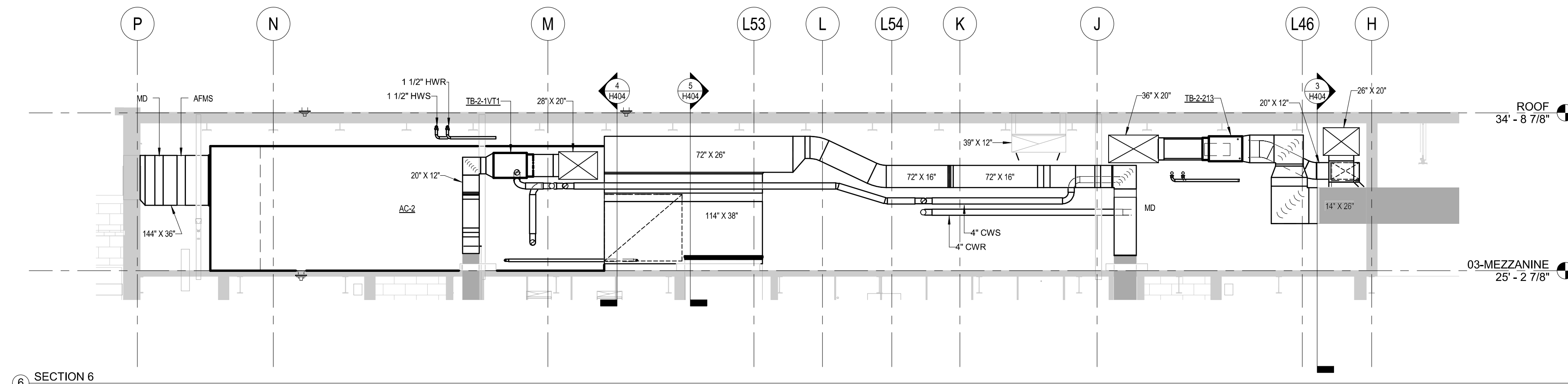
DATE SIGNED: 27 JUNE 2011



BASEMENT MECHANICAL ROOM HVAC PLAN

SCALE	1/4" = 1'-0"	CLIENT NO.	0884
DATE	05 JULY 2011	PROJECT NO.	08840003
COORD	TAW		
DRAWN	TAW		
APPROVED	KJT		
FILE NAME			

H400



MARK	DATE	DESCRIPTION

1 MEZZANINE MECHANICAL ROOM HVAC PLAN
1/4" = 1'-0"

- PHASING NOTES:**
- REMOVE AC-4 O.A. DUCT, PROVIDE FILTER FABRIC OVER AC-2, AC-3 O.A. OPENINGS. REMOVE EF-7,8,9 AND ASSOCIATED DUCTWORK AS INDICATED.
 - WITH AC-2 AND AC-3 IN OPERATION, INSTALL NEW AC-2 AND ASSOCIATED TERMINAL BOXES AND SUPPLY DUCTWORK. MAINTAIN AC-2 AND AC-3 IN OPERATION. REWORK CHILLED WATER AND HEATING HOT WATER COIL CONNECTIONS TO OLD AC-2 TO ALLOW INSTALLATION OF AC-2.
 - MAKE FINAL SUPPLY AND RETURN DUCT CONNECTIONS TO NEW AC-2 WHILE COORDINATING DEMOLITION OF OLD AC-2 AND AC-3.
 - INSTALL EF-1 AND EF-2 FAN AND DUCTWORK SYSTEMS.

- H404 - PLAN NOTES**
- CONNECT NEW SUPPLY DUCT TO EXISTING SUPPLY DUCT.
 - CONNECT NEW RETURN DUCT TO EXISTING RETURN DUCT.
 - CONNECT NEW OUTSIDE AIR DUCT TO EXISTING OUTSIDE AIR DUCT.
 - CONNECT NEW EXHAUST DUCT TO EXISTING EXHAUST DUCT.
 - CAP DUCT.
 - ROUTE 1-1/2" CD ALONG BASE RAIL OF AHU. REFER TO DETAIL D ON H700 FOR FURTHER INFORMATION.
 - CONNECT NEW CHWSR TO EXISTING CHWSR.
 - CONNECT NEW HWSR TO EXISTING HWSR FROM BOTTOM OF EXISTING PIPING AND ROUTE UNDER DUCTWORK.
 - HWR PIPING ON TOP; HWS PIPING ON BOTTOM.
 - ROUTE IN BEAM SPACE.
 - HWSR PIPING DOWN TO TB-2-202A.
 - 3/4" HWSR PIPING DOWN TO TB-2-203F.
 - 3/4" HWSR PIPING DOWN TO TB-2-203B.
 - CONNECT NEW HWSR TO HWSR.
 - HWSR PIPING DOWN TO TB-2-202.
 - 1-1/4" HWSR DOWN TO TB-2-216, 216A, 216C, AND 216D. REFER TO TERMINAL BOX SCHEDULES FOR RUNOUT SIZES TO EACH.
 - 18" X 18" ACCESS DOOR.
 - INSTALL NEW MOTORIZED DAMPER IN EXISTING EXHAUST DUCT.
 - TRANSITION DUCT AROUND COLUMN WRAP. FIELD VERIFY WIDTH, HEIGHT SHALL BE SAME SIZE AS DUCT.
 - PROVIDE UNISTRUT FRAMING SUPPORTING ALL FOUR TERMINAL BOXES. THERE SHALL BE AT LEAST TWO MAIN UNISTRUT SUPPORTS ATTACHED TO THE FLOOR AND STRUCTURE ABOVE, AND TWO HORIZONTAL CANTILEVER SECTIONS OF UNISTRUT WITH KICKERS BACK TO MAIN SUPPORTS FOR EACH TERMINAL BOX.
 - MINIMUM FLOW BYPASS CALIBRATED BALANCE VALVE FOR 5 GPM.

DATE SIGNED: 27 JUNE 2011



MEZZANINE MECHANICAL ROOM HVAC PLAN

SCALE	As Indicated	CLIENT NO.	0884
DATE	05 JULY 2011	PROJECT NO.	0884003
COORD	TAW		
DRAWN	TAW		
APPROVED	KJT		
FILE NAME			

H404