

RESTROOM RENOVATION PURCHASE COLLEGE

STATE UNIVERSITY OF NEW YORK

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	29 April 2022	Issue for Bid

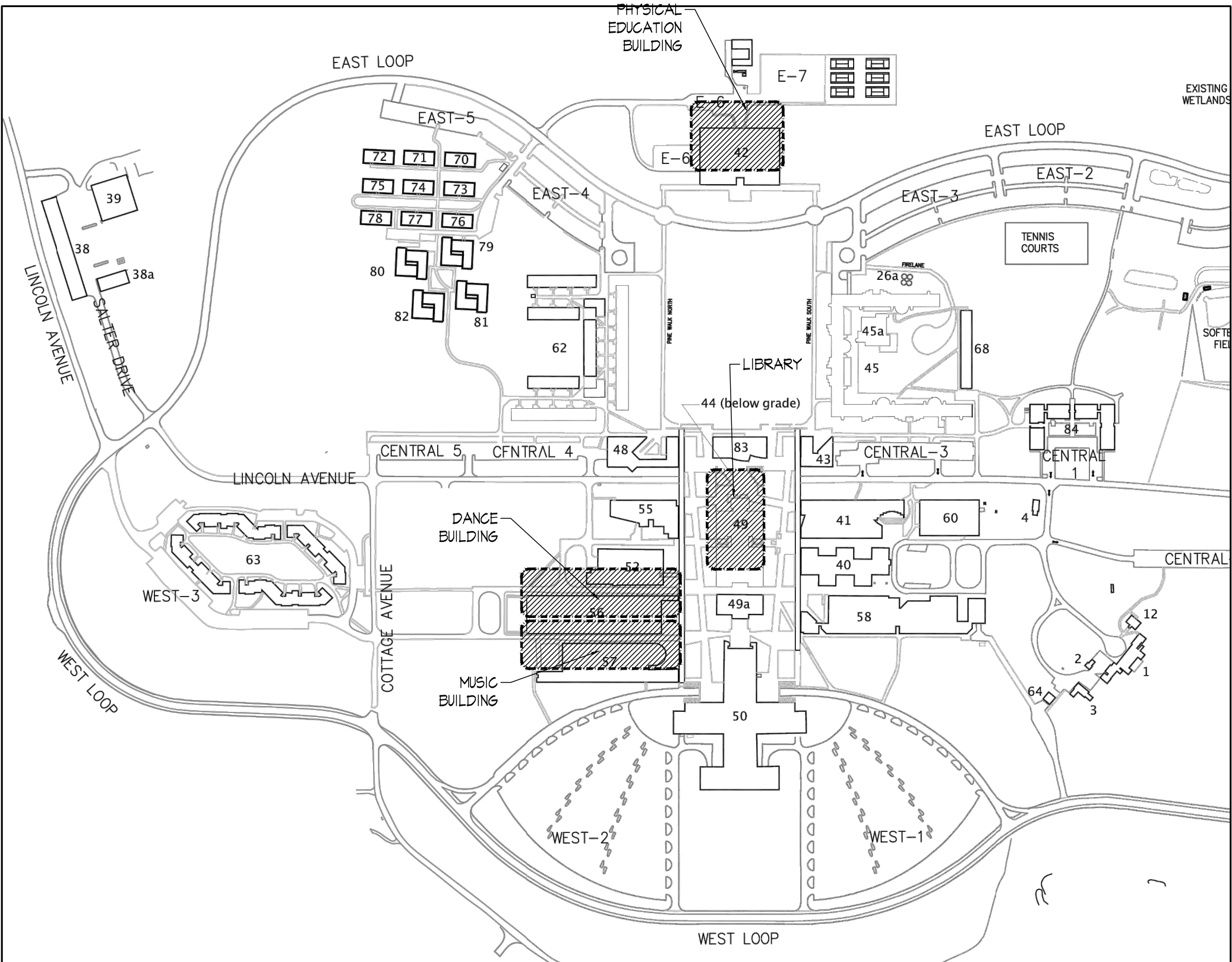
Title
TITLE, COLLEGE PLAN,
LOCATION MAP

Date 01-16-2020
Project No. 1944
Drawing By SJ, CQ
CHK By SN
Scale AS NOTED

DOB Rev
A-001.00
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2 PURCHASE COLLEGE LOCATION MAP
NTS



1 PURCHASE COLLEGE CAMPUS PLAN
NTS

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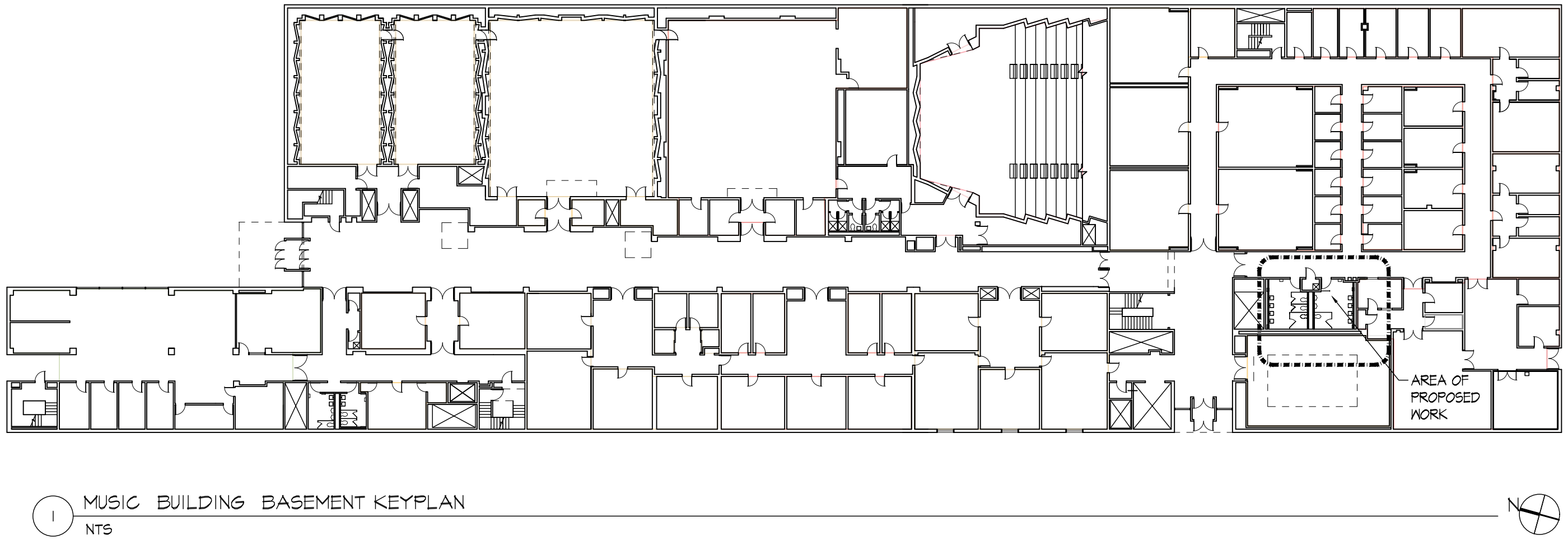
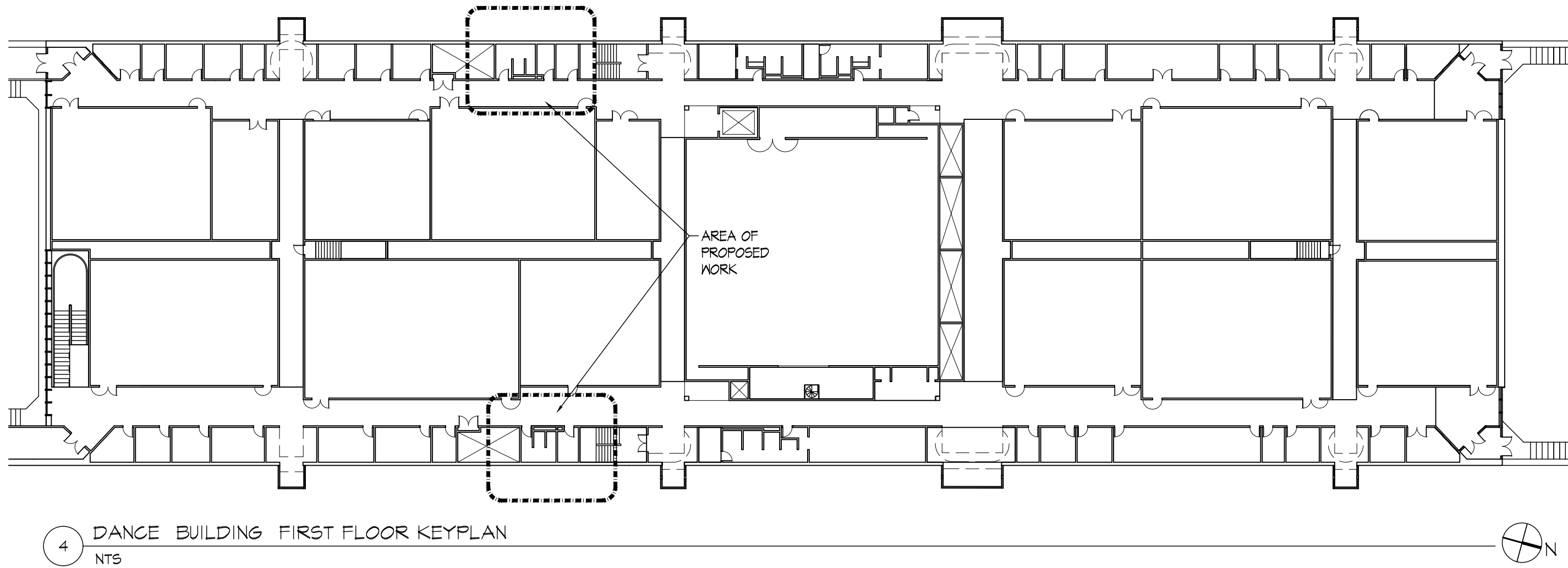
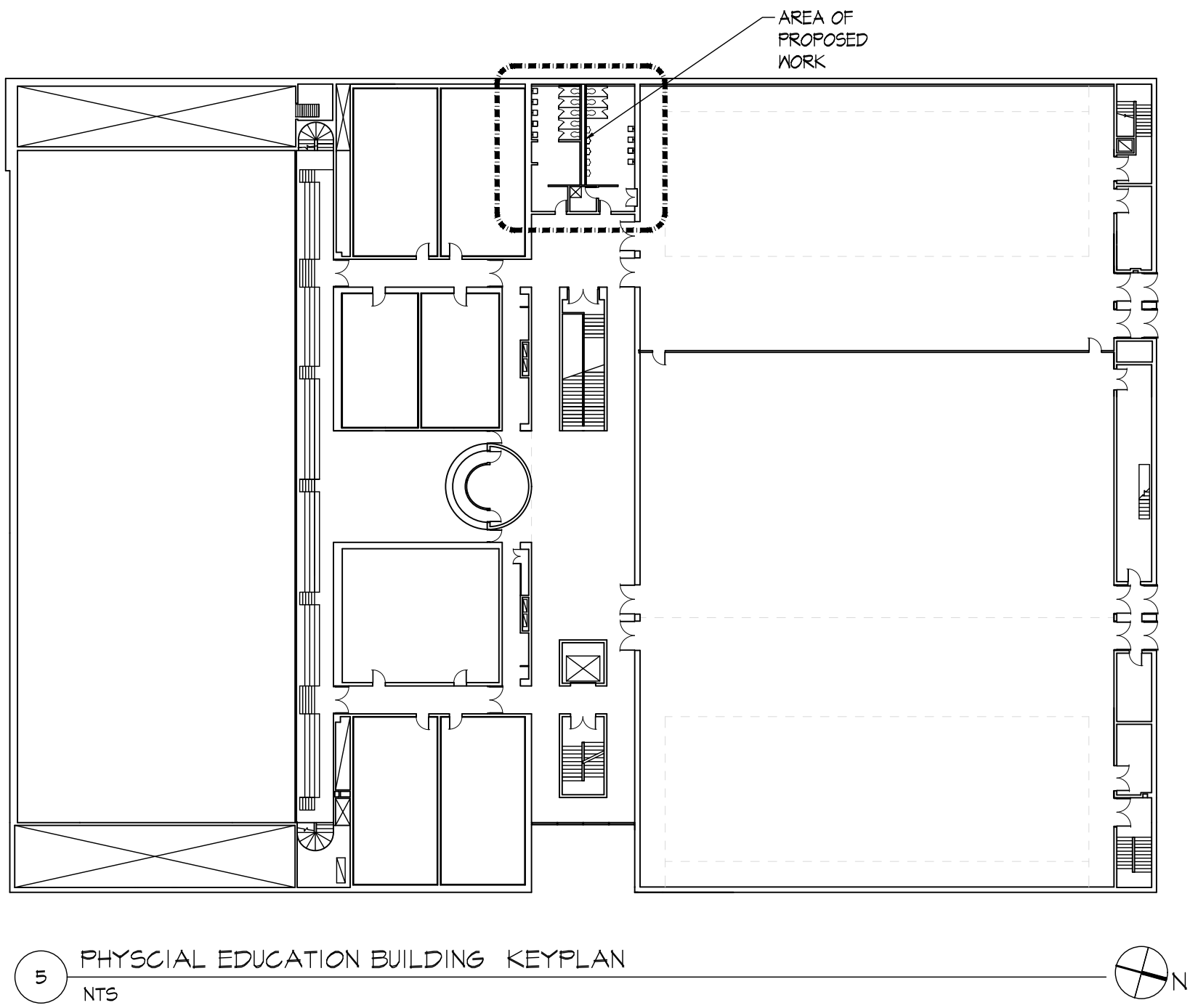
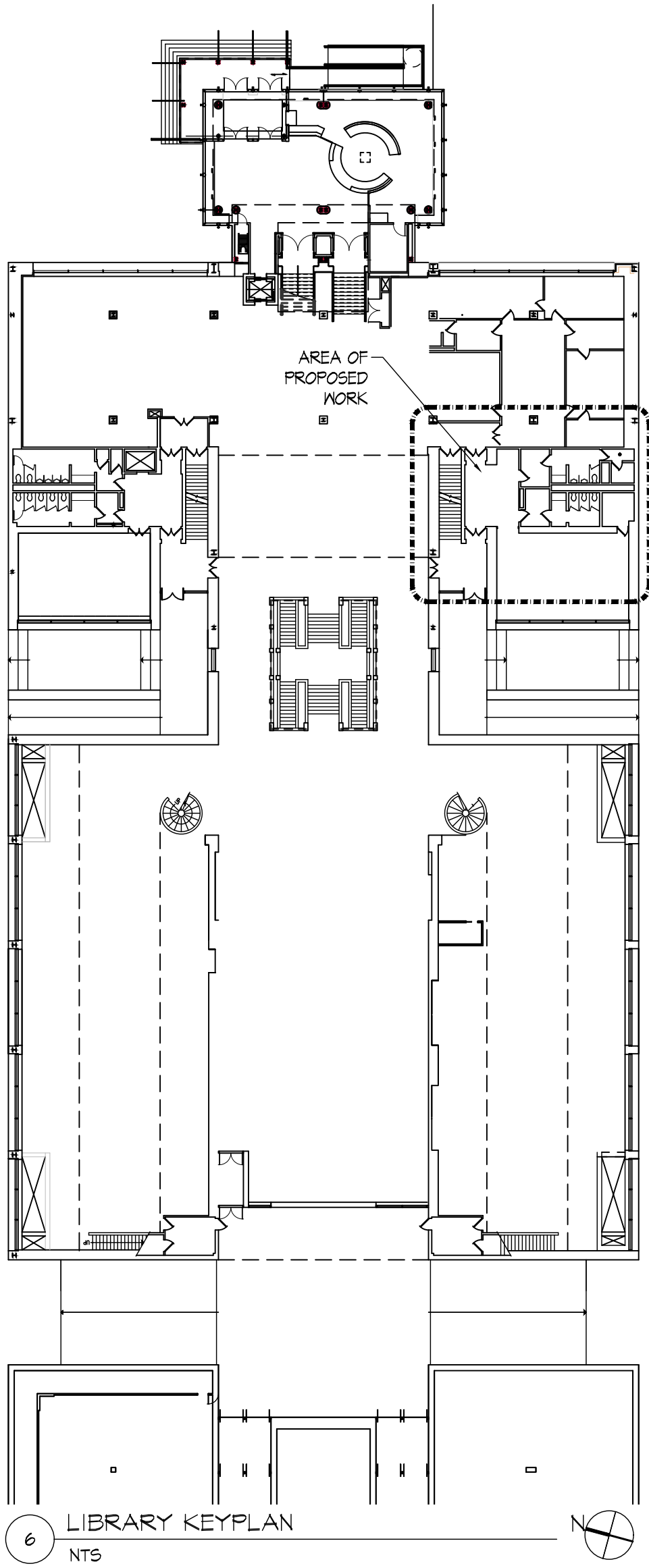
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KEYPLANS

Date 01-16-2020
Project No. 1944
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ABBREVIATIONS

ACM	Asbestos, Containing Material
A.F.F.	Above Finish Floor
AP	Access panel
ACT	Acoustical Ceiling Tile
ADDL	Additional
ADJ	Adjacent, Adjustable
AC	Air Conditioning
ALUM	Aluminum
∠	Angle
ANOD	Anodized
ARCH, ARCHT	Architectural
B	At
AXO	Axonometric
B	Base
BSMT	Basement
BM	Beam
BR	Bedroom
BTWN	Between
BLK'G	Blocking
BD	Board
B.S. & A.	Board of Standards and Appeals
BOTT, B.O.	Bottom (of)
BLDG	Building
CABT	Cabinet, Cabinetry
CH	Chairs
CFT	Carpet
CLG	Ceiling
CNU	Concrete Masonry Unit
CTR	Center
CT	Center Line
CL	Ceramic Tile
CLR	Clear
COL	Column
COORD	Coordinate
CONC	Concrete
COND	Condition
CONSTR	Construction
CONT	Continuous
CORR	Corridor
DIA	Detail
DIFF	Diffuser
DIM	Dimension
DR	Door
DBL	Double
DN	Down
DW	Dish Washer
DWR	Drawer
DWS	Drawing
EA	Each
EL	Elevation
ELEV	Elevator
ELEG	Electrical
ENCS	Encasement
EQ	Equal
EX'G	Existing
EXT	Exterior
EXTR	Extended
F.O.	Face of
FSTN	Fashion
FIN	Finish
FINX	Fixture
FL	Floor
FL'G	Flooring
FLUOR	Fluorescent
FPSC	Fire Proof Self-Closing Door
FRMG	Framing
FT	Foot of Feet
FURR	Furring
GC	General Contractor
GL	Glass
GFI	Ground Fault Interrupter
GWB	Gypsum Wall Board
HAC	Handicapped
HMC	Hardwood
HWD	Handrail
HTR	Height
HT	Hollow Metal
INCD	Incandescent
INCL	Including
INT	Interior
JAN	Janitor
JMT	Joint
JAMT	Laminated
LT	Light
LWT	Lightweight
LIN	Linear, Linen
LP	Low Point
MFR	Manufacturer
MBR	Master Bedroom
MAT	Material
MAX	Maximum
MC	Medicine Cabinet
MCL	Metal
M	Metal
M	Microwave
MIN	Minimum
MIR	Mirror
MTD	Mounted
NEC	Necessary
NOM	Nominal
N.I.C.	Not in Contract
N.T.S.	Not to Scale
O.C.	On Center
OPP	Opposite
PT, PTD	Paint, Painted
PNL	Panel
PARNTN, PTN	Partition
PLAS	Plaster
P.LAM	Plastic Laminate
P	Plate
FLEXI	Flexiglass
PLY	Plywood
QTY	Quantity
R	Raised
RAD	Radiant
RECT	Rectangular
REF	Refrigerator
RCP	Reflected Ceiling Plan
REQD	Required
RN	Room
SCHED	Schedule
SECT	Section
SH	Shelf
SIM	Similar
S.C.	Solid Core
S.P.	Solid Surfacing
SPEC	Specification
S.S.	Stainless steel
ST	Stone
STL	Steel
STN	Station
STRCT	Structural, Structure
SURR	Surround
SUSP	Suspended
T	Tile
TEL	Telephone
TER	Terrazzo
THK	Thick, Thickness
T.B.D.	To Be Determined
T&B	Top and Bottom
T.O.	Top of
TYP	Typical
U.O.N.	Unless Otherwise Noted
UND	Underlaid
VCT	Vinyl Composition Tile
VERT	Vertical
VEN	Vener
V.I.F.	Verify In Field
W	Wash
W.C.	Water Closet
W/D	Washer/Dryer
WP	Waterproofing
WPS	Weights
WINDN	Window
W	Wood

SAFETY NOTES

- I. GENERAL:
- A) ALL DEMOLITION, REPAIRS & ALTERATIONS TO BE DONE IN ACCORDANCE WITH THE NY STATE BLDG CODE & ALL OTHER REGULATIONS & AGENCIES HAVING JURISDICTION.
- B) ANY DAMAGES TO WALL, & FLOOR FINISHES IN ANY OF THE COMMON AREAS OF THE BLDG AFFECTED BY THE WORK SHALL BE REPAIRED BY GC.
- C) GC TO PROVIDE REQUIRED TEMPORARY BRACINGS & SHORINGS WHEREVER ANY STRUCTURAL WORK IS INVOLVED.
2. MEANS OF EGRESS:
- A) ALL EX'G MEANS OF EGRESS FROM THE BLDG TO BE MAINTAINED CLEAR & FREE OF ALL OBSTRUCTIONS SUCH AS BLDG MATERIALS, TOOLS, ETC.
3. FIRE SAFETY:
- A) ALL BLDG MATERIALS STORED AT THE CONSTR. AREA & OR ANY AREA OF THE BLDG ARE TO BE SECURED IN A LOCKED AREA IN AN ORDERLY FASHION. ACCESS TO SUCH AREAS TO BE CONTROLLED BY OWNER AND/OR GC.
- B) ALL FLAMMABLE MATERIALS ARE TO BE KEPT TIGHTLY SEALED IN THEIR MFR'S CONTAINERS, TO BE KEPT AWAY FROM HEAT & IN AN ADEQUATELY VENTILATED SPACE.
- C) ALL ELECTRICAL POWER TO BE SHUT OFF WHERE CONDUIT IS EXPOSED. ALL ELECTRICAL POWER IN THE CONSTRUCTION AREA TO BE SHUT OFF AFTER WORKING HOURS.
- D) AT ALL TIMES, GC TO MAKE SURE THERE IS NO LEAKAGE OF NATURAL GAS OR ANY FLAMMABLE GAS USED IN CONSTR. IN THE BLDG.
4. DUST CONTROL, NOISE HOURS, PROTECTION AND NOISE:
- A) GC SHALL MINIMIZE & CONFINED TO THE IMMEDIATE CONSTR. AREA DEBRIS, DIRT & DUST FROM PERMEATING OTHER PARTS OF THE BLDG DURING CONSTR. ALL MATERIALS & RUBBISH WILL BE PLACED IN BARRELS OR BAGS BEFORE BEING REMOVED FROM THE AREA OF WORK.
- B) DEBRIS, DUST & DIRT WILL BE CLEARED FROM THE BLDG REGULARLY TO AVOID ANY EXCESSIVE ACCUMULATION.
- C) IF LEAD PAINT OR ACM IS ENCOUNTERED, IT SHALL BE HANDLED & ABATED BY LICENSED CONTRACTOR IN ACCORDANCE WITH FEDERAL & NY STATE LAWS.
5. CONSTRUCTION THAT REQUIRES INTERRUPTION OF HEATING, WATER OR ELECTRICAL SERVICES IN THE BLDG, SHALL BE COORDINATED BETWEEN GC AND THE COLLEGE & SHALL NOT DELAY SCHEDULE.
6. CAMPUS REQUIRES A MIN OF 72 HOURS ADVANCED NOTICE FOR ANY REQUESTED SHUTDOWNS OR DISRUPTIONS TO CAMPUS UTILITIES.
7. STRUCTURAL SAFETY: NO STRUCTURAL WORK SHALL BE DONE THAT MAY ENDANGER THE OCCUPANTS.

PURCHASE COLLEGE NOTES

- I. ALL CONTRACTORS & SUB-CONTRACTORS SHALL WEAR VISIBLE, EASILY IDENTIFIABLE ID BADGES.
2. LOUD, NOISY, DISRUPTIVE WORK (DRILLS, SAWS, POWER TOOLS, ETC.) SHALL BE COORDINATED WITH COLLEGE REPRESENTATIVE TO MINIMALLY DISTURB FUNCTIONING IN THE REST OF THE BLDG.
3. REFER TO APPENDIX "A" SPECIAL CONDITIONS FOR CONSTRUCTION FOR ADDITIONAL REQUIREMENTS BY THE COLLEGE.
4. ALL ADJOINING PROPERTY AFFECTED BY ANY OPERATIONS SHALL BE PROTECTED PER REQUIREMENTS OF CHAPTER 33 OF THE NY STATE BUILDING CODE.
5. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE PROTECTION OF CONDITIONS & MATERIALS WITHIN & ADJACENT TO THE PROPOSED CONSTR. AREA. THE CONTRACTOR SHALL DESIGN & INSTALL ADEQUATE SHORING & BRACING FOR ALL CONSTR. OR REMOVAL TASKS. THE CONTRACTOR SHALL HAVE COMPLETE RESPONSIBILITY FOR ANY DAMAGE OR INJURIES CAUSED BY OR DURING THE EXECUTION OF THE WORK.
6. THE CONTRACTOR SHALL PROVIDE, INSTALL & MAINTAIN AIR FILTERS TO PROTECT FRESH AIR INTAKES, LOUVERS & HVAC UNITS AS REQD AT LOCATIONS DETERMINED BY THE COLLEGE.

FEMA FLOOD DATA & USGS GROUNDWATER DATA

- I. PER THE FEMA FLOOD INSURANCE RATE MAP, 2013 "PRELIMINARY," AS WELL AS THE 2007 MAP NUMBER 3619C0227E, EFFECTIVE ON 09/28/2007, THIS BUILDING LIES OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PLAIN.
2. GROUND WATER IS NOT OF CONCERN IN THIS PROJECT, AS THE PROPOSED WORK IS CONFINED ENTIRELY TO SELECTED INTERIOR UPGRADE OF SELECTED BUILDINGS, ABOVE GRADE.
3. THE BLDG IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA.

2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE

- I. STATEMENT OF COMPLIANCE.
- TO THE BEST OF MY KNOWLEDGE, BELIEF & PROFESSIONAL JUDGMENT, ALL WORK UNDER THIS APPLICATION IS IN COMPLIANCE WITH THE 2020 NYS ECCC.
2. COM-CHECK ANALYSIS FOR INTERIOR LIGHTING ARE PROVIDED ON ELECTRICAL DRAWINGS.
3. REFER TO MEP DRAWINGS FOR SPECIFIC ENERGY CODE COMPLIANCE PER TRADE.

BUILDING DEPARTMENT NOTES

- I. ALL DOORS MUST COMPLY WITH NYS REGULATIONS REGARDING INCOMBUSTIBLE MATERIALS.
2. ALL WOOD TO BE USED IN THE CONSTR. SHALL BE FIRE RETARDANT TREATED WOOD.
3. FIRE-STOPPING SHALL BE AS REQD BY NYS BLDG CODE CHAPTER 17 SECTION 1705.17.
4. ALL INTERIOR FINISHES SHALL COMPLY W/ THE NYS BLDG CODE CHAPTER 8 INTERIOR FINISHES.
5. ALL MATERIALS, ASSEMBLIES, FORMS & METHODS OF CONST & SERVICE EQUIP SHALL COMPLY W/ THE NY STATE BLDG CODE CHAPTER 1 SECTION 104: MATERIALS, EQUIPMENT & METHODS OF CONSTRUCTION.
7. ALL WORK MUST COMPLY W/ CHAPTER 11 OF THE 2020 NYS BUILDING CODE, ANSI A117.1/2009 & ALL CODES ASSOCIATED WITH THE AMERICANS WITH DISABILITIES ACT (ADA).
9. ALL PARTITIONS OF PUBLIC CORRIDORS, HALL PASSAGES, & OTHER PERMANENT PARTITIONS TO BE OF 1 HOUR FIRE RESISTIVE RATINGS WITH 3/4 HOUR APPROVED TYPE DOOR.
10. ALL MECHANICAL SPACES 1 SHAFTS TO BE OF 2 HOUR FIRE RESISTIVE RATINGS WITH 1 1/2 HOUR APPROVED TYPE DOOR.
11. HANG CEILING TO CONFORM WITH NYS BLDG CODE CHAPTER 1 FOR CLASS 1 FIREPROOFING.
12. ALL METAL STUD PARTITIONS TO BE CONSTRUCTED IN ACCORDANCE NYS BUILDING CODE CHAPTER 1 & 22 & ALL APPLICABLE INDUSTRY STANDARDS.
13. SPECIAL & PROGRESS INSPECTIONS SHALL BE CARRIED OUT IN ACCORDANCE W/ CHAPTER 17 OF THE NYS BUILDING CODE.
- SPECIAL INSPECTION CODE REF.
1. FIRE RESISTANT PENETRATIONS & JOINTS PROGRESS INSPECTION CODE REF. BC 1705.17
2. ENERGY CODE COMPLIANCE CODE REF. BC 109.3.5
3. FINAL CODE REF. IRC/NY 101-10
- IN ADDITION TO ABOVE INSPECTIONS, REFER TO MEP DWGS FOR REQUIRED SPECIAL INSPECTIONS PER EACH TRADE.
14. CONTRACTOR IS RESPONSIBLE FOR ARRANGING SPECIAL INSPECTIONS REQD FOR FINAL SIGN-OFFS W/ AUTHORITIES HAVING JURISDICTION. OWNER SHALL RETAIN TESTING FIRMS & SPECIAL INSPECTION AGENCIES.

ACCESSIBILITY DESIGN NOTES:

- ACCESSIBILITY REGULATION AS PER:
- CHAPTER 11 OF 2020 NYS BUILDING CODE
 - 106/ANSI A 117.1 -2009 AND ADA
 - 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN

- I. ACCESSIBLE ROUTE: ALL SANITARY FACILITIES SHALL BE ON ACCESSIBLE ROUTE WITH MIN WIDTH OF 36".
2. ALL DOORWAYS LEADING TO SUCH SANITARY FACILITIES SHALL HAVE:
- A) A CLEAR UNOBSTRUCTED OPENING WIDTH OF 32"
- B) A LEVEL & CLEAR AREA FOR A MIN DEPTH OF 60" IN THE DIRECTION OF THE DOOR SWING AS MEASURED AT RIGHT ANGLES TO THE PLANE OF THE DOOR IN ITS CLOSED POSITION, & 48" WHERE THE DOOR SWINGS AWAY FROM THE LEVEL, & 4' CLEAR AREA.
- C) DOOR MANEUVERING CLEARANCES, AS PER 2009 404.2.3, FIG. 404.2.3.2 & TABLE 404.2.3.2, SEE SHEET A-003
- D) PERMITTED CHANGE IN LEVEL IN FLOOR SURFACES SHALL NOT EXCEED 1/4" BEFORE MAX HEIGHT OF BEVEL 1/4" AS PER ANSI 2004 303, SEE ADA DETAIL ON SHEET A-502.
- E) IF PROVIDED, THRESHOLDS AT DOORWAYS SHALL BE 1/2" MAX IN HEIGHT.
- EXCEPTION: AN EX'G OR ALTERED THRESHOLD SHALL BE PERMITTED TO BE 3/4" MAX IN HEIGHT PROVIDED THAT THRESHOLD HAS A BEVELED EDGE ON EACH SIDE WITH A MAX SLOPE OF 1:2 FOR THE HEIGHT EXCEEDING 1/4". (SEE ANSI 2004 404.2.4)
3. SINGLE ACCOMMODATION TOILET FACILITIES: THERE SHALL BE SUFFICIENT SPACE IN TOILET ROOM FOR A WHEELCHAIR MEASURING 30"x48" TO ENTER THE ROOM & PERMIT THE DOOR TO CLOSE. AS PER ANSI 2004 404.3, CLEARANCE AROUND A WC SHALL BE 60" MIN IN WIDTH, MEASURED PERPENDICULAR FROM THE SIDEWALL, & SHALL BE 56" IN DEPTH, MEASURED PERPENDICULAR FROM THE REAR WALL. THE REQD CLEARANCE AROUND THE WC SHALL BE PERMITTED TO OVERLAP THE WC, ASSOCIATED GRAB BARS, PAPER DISPENSERS, SANITARY MARKIN RECEPT, COAT HOOKS, SHOWER ACCESSIBLE ROUTES, CLEAR FLOOR SPACE AT OTHER FIXTURES & THE TURNING SPACE. NO OTHER FIXTURES OR OBSTRUCTIONS SHALL BE WITHIN THE REQUIRED WC CLEARANCE. (SEE ANSI 2004 FIG.604.3)
4. GRAB BARS LOCATED ON REAR & SIDE WALL OF DESIGNATED ACCESSIBLE TOILETS SHALL BE MOUNTED BETWEEN 33"-36" (MEASURED TO THE TOP SURFACE OF THE GRAB BAR) FROM THE FINISHED FLOOR, PARALLEL TO THE FLOOR & AT LEAST 15" ABOVE THE FLUSHOMETERS. MIN GRAB BAR DIMS, INSTALLATION REQUIREMENTS & CLEARANCES TO FOLLOW ADA STANDARD DETAILS ON SHEET A-003 AND A-004.
5. A CLEAR FLOOR SPACE 30"x48" SHALL BE PROVIDED IN FRONT OF A LAVATORY TO ALLOW FRONT APPROACH. SUCH CLEAR FLOOR SPACE SHALL ADJOIN OR OVERLAP AN ACCESSIBLE ROUTE & SHALL EXTEND INTO KNEE & TOE SPACE UNDERNEATH THE LAVATORY.
6. A CLEAR FLOOR SPACE 30"x48" SHALL BE PROVIDED IN FRONT OF AN URINAL TO ALLOW FORWARD APPROACH. SUCH CLEAR FLOOR SPACE SHALL ADJOIN OR OVERLAP AN ACCESSIBLE ROUTE.
7. DOORS & HARDWARE.
- A) MAX DOOR OPENING FORCE FOR ALL INTERIOR DOORS SHALL NOT EXCEED 5 LBS.
- B) AS PER ANSI 2004 404.2.5, HANDLES, PULLS, LATCHES, LOCKS, & OTHER OPERABLE PARTS ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND & DOES NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST TO OPERATE. OPERABLE PARTS OF DOORS SHALL BE 34" MIN & 48" MAX ABOVE THE FLOOR, WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED & USABLE FROM BOTH SIDES.
8. FIXTURES:
- A) WATER CLOSETS, THE WC, SHALL BE LOCATED WITH A WALL OR PARTITION TO THE REAR & TO ONE SIDE, THE CENTERLINE OF THE WC, SHALL BE 16" MIN AND 18" MAX FROM THE SIDE WALL OR PARTITION. (SEE ANSI 2004 FIG. 604.2) THE HEIGHT OF WC, SHALL BE MIN OF 17' & A MAX OF 19" MEASURED TO THE TOP OF THE TOILET SEAT.
- B) URINALS: THE HEIGHT OF WALL HUNG URINAL RIM SHALL BE AT MAX 17" ABOVE THE FLOOR AS PER ANSI 2004 605. FLUSH CONTROL SHALL BE MOUNTED NO MORE THAN 44" ABOVE THE FLOOR.

ACCESSIBILITY DESIGN NOTES CONT'D:

- C) LAVATORIES: LAVATORIES ADJACENT TO A WALL SHALL BE MOUNTED WITH A MIN DISTANCE OF 18" FROM THE CENTER LINE OF THE FIXTURE. ALL ACCESSIBLE LAVATORIES SHALL BE MOUNTED WITH THE RIM OR COUNTER SURFACE NO HIGHER THAN 34" ABOVE THE FLOOR & WITH A CLEARANCE OF AT LEAST 24" FROM THE FLOOR TO THE BOTTOM OF THE AFFRON WITH KNEE CLEARANCE UNDER THE FRONT LIP EXTENDING A MIN OF 30" IN WIDTH & 8" MIN DEPTH AT THE TOP. TOE CLEARANCE SHALL BE THE SAME WIDTH & MIN 17" DEEP FROM THE FRONT OF THE LAVATORY & MIN 4" HEIGHT FROM THE FLOOR AS PER ANSI 2004 606.3. (SEE ANSI 2004 FIG. 606.3)
- D) HOT WATER & PIPES UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.
- E) FAUCET CONTROLS & OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND & SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST AS PER ANSI 2004 606.4.
- F) FORCE REQD TO ACTIVATE CONTROLS CANNOT EXCEED 5LBS.
- G) MIRRORS SHALL BE MOUNTED WITH THE BOTTOM OF THE REFLECTING SURFACE NO HIGHER THAN 40" ABOVE THE FLOOR (BETTER 34.5").
9. CLEAR FLOOR SPACE IS THE MIN SPACE REQUIRED TO ACCOMMODATE A STATIONARY WHEELCHAIR & ITS OCCUPANT WHICH IS MIN 30"x48". THE MIN CLEAR FLOOR SPACE MAY BE POSITIONED FOR FORWARD OR PARALLEL APPROACH TO AN OBJECT. IT MAY BE A PART OF THE KNEE SPACE REQD UNDER SOME OBJECTS.
10. REACH RANGES:
- A) FORWARD REACH: WHEN FORWARD APPROACH IS PROVIDED, THE OBJECT IS IN FRONT OF THE WHEELCHAIR.
- a) UNOBSTRUCTED FORWARD REACH.
- WHERE A FORWARD REACH IS UNOBSTRUCTED, THE HIGH FORWARD REACH SHALL BE 48" MAX & THE LOW FORWARD REACH SHALL BE 15" MIN ABOVE THE FLOOR. (SEE ANSI 2004 FIG. 208.2.1)
- b) OBSTRUCTED HIGH FORWARD REACH.
- WHERE A HIGH FORWARD REACH IS OVER AN OBSTRUCTION, THE CLEAR FLOOR SPACE COMPLYING WITH SECTION 305 OF ANSI 2004 SHALL EXTEND BENEATH THE ELEMENT FOR A DISTANCE NOT LESS THAN THE REQD REACH DEPTH OVER THE OBSTRUCTION. THE HIGH FORWARD REACH SHALL BE 40" MAX ABOVE THE FLOOR WHERE THE REACH DEPTH IS 20" MAX. WHERE THE REACH DEPTH EXCEEDS 20", THE HIGH FORWARD REACH SHALL BE 44" MAX ABOVE THE FLOOR, & THE REACH DEPTH SHALL BE 28" MAX. (SEE ANSI 2004 FIG. 308.2.2)
- B) SIDE REACH: WHEN PARALLEL APPROACH IS PROVIDED, THE OBJECT IS ON THE SIDE OF THE WHEELCHAIR.
- a) UNOBSTRUCTED SIDE RECH.
- WHERE A CLEAR FLOOR SPACE COMPLYING WITH SECTION 305 OF ANSI 2004 ALLOWS A PARALLEL APPROACH TO AN ELEMENT & THE EDGE OF THE CLEAR FLOOR SPACE IS 10" MAX FROM THE ELEMENT, THE HIGH SIDE REACH SHALL BE 48" MAX & THE LOW SIDE REACH SHALL BE 15" ABOVE THE FLOOR. (SEE ANSI 2004 FIG. 308.3.1).
- EXCEPTION: EX'G ELEMENTS THAT ARE NOT ALTERED SHALL BE PERMITTED AT 34" MAX ABOVE THE FLOOR.
- b) OBSTRUCTED HIGH SIDE REACH.
- WHERE A CLEAR FLOOR SPACE COMPLYING WITH SECTION 305 OF ANSI 2004 ALLOWS A PARALLEL APPROACH TO AN ELEMENT AND THE HIGH SIDE REACH IS OVER AN OBSTRUCTION, THE HEIGHT OF THE OBSTRUCTION SHALL BE 34" ABOVE THE FLOOR AND THE DEPTH OF THE OBSTRUCTION SHALL BE 24" MAX. THE HIGH SIDE REACH SHALL BE 48" MAX ABOVE THE FLOOR FOR A REACH DEPTH OF 10" MAX WHERE THE REACH DEPTH EXCEEDS 10", THE HIGH SIDE REACH SHALL BE 48" MAX ABOVE THE FLOOR FOR A REACH DEPTH OF 24" MAX. (SEE ANSI 2004 FIG. 308.3.2)
- II. SIGNAGE:
- INTERIOR & EXTERIOR SIGNS IDENTIFYING PERMANENT ROOMS & SPACES SHALL BE ACCESSIBLE & CONTAIN RAISED CHARACTERS & BRAILLE. WHERE ACCESSIBLE SIGN IS PROVIDED AT A DOOR, THE SIGN SHALL BE ALONGSIDE THE DOOR AT THE LATCH SIDE. WHERE IT IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF. WHERE AN ACCESSIBLE SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAVES, THE SIGN SHALL BE TO THE RIGHT OF THE RIGHT-HAND DOOR. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE OF A SINGLE DOOR, OR TO THE RIGHT SIDE OF DOUBLE DOORS, SIGNS SHALL BE ON THE NEAREST ADJACENT WALL. ACCESSIBLE SIGNS SHALL BE LOCATED SO THAT A CLEAR FLOOR AREA 18" MIN BY 18" MIN, CENTERED ON THE RAISED CHARACTERS IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION. (SEE ANSI 2004 FIG. 103.3.1)
- EXCEPTION: SIGNS CONTAINING RAISED CHARACTERS & BRAILLE SHALL BE PERMITTED ON THE PUSH SIDE OF DOORS WITH CLOSERS AND WITHOUT HOLD-OPEN DEVICES.
- A) VISUAL CHARACTERS: THEY SHOULD HAVE CHARACTER HEIGHT PROPORTIONAL TO THE VIEWING DISTANCE. CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER LIGHT CHARACTERS ON A DARK BACKGROUND, OR DARK CHARACTERS ON A LIGHT BACKGROUND. (SEE ANSI 2004 TABLE 103.2.4)
- B) RAISED CHARACTERS SHALL BE RAISED 1/32" (0.8 MM) MIN ABOVE THEIR BACKGROUND. SHALL BE IN UPPERCASE AND IN SANS SERIF. RAISED CHARACTERS SHALL BE 48" MIN ABOVE THE FLOOR, MEASURED TO THE BASELINE OF THE LOWEST RAISED CHARACTER AND 60" MAX ABOVE THE FLOOR MEASURES TO THE BASELINE OF THE HIGHEST RAISED CHARACTER. (SEE ANSI 2004 FIG. 103.3.5, 103.3.10)
- C) BRAILLE: CONTRACTED (GRADE 2) BRAILLE SHALL BE PROVIDED BELOW THE ENTIRE TEXT. IT SHALL BE MOUNTED 48" MIN & 60" MAX ABOVE THE FLOOR MEASURED TO THE BASELINE OF THE BRAILLE CELLS. (SEE ANSI 2004 FIG. 103.4.3, TABLE 103.4.3)
- D) PICTOGRAMS: WHEN PICTOGRAMS ARE INSTALLED TO DESIGNATE A PERMANENT INTERIOR ROOM SUCH A TOILET ROOMS, THE PICTOGRAM SHALL HAVE TEXT DESCRIPTION IN RAISED CHARACTERS & BRAILLE LOCATED DIRECTLY BELOW THE PICTOGRAM FIELD. (SEE ANSI 2004 FIG. 103.5)

GENERAL NOTES

- GENERAL NOTES:
1. SCOPE OF WORK SHALL NOT BE LIMITED BY THE DRAWINGS BUT SHALL INCLUDE ANY & ALL WORK NECESSARY TO FACILITATE THE INTENT OF THE DOCUMENTS.
2. ALL WORK CALLED FOR ON THESE DWGS SHALL BE IN COMPLIANCE WITH CODES, RULES & REGULATIONS OF ALL GOVERNMENTAL AGENCIES HAVING JURISDICTION. THIS INCLUDES BUT IS NOT LIMITED TO THE INTERNATIONAL BUILDING CODE 2018 (IBC 2018), 2020 BUILDING CODE OF NEW YORK STATE, 2020 EXISTING BUILDING CODE OF NYS WITH AMENDMENTS FROM INTERNATIONAL EXISTING BUILDING CODE 2018 (IEBC 2018), 2020 PLUMBING, MECHANICAL, FUEL GAS AND FIRE CODE OF NYS, 2020 ENERGY CONSERVATION CODE OF NYS WITH AMENDMENTS FROM INTERNATIONAL ENERGY CONSERVATION CODE 2018 (IECC 2018),OSHA GUIDELINES AND THE AMERICANS WITH DISABILITIES ACCESSIBILITY GUIDELINES (ADA)
3. GC SHALL CHECK & VERIFY IN FIELD ALL DIMS, NOTES & CONDITIONS SHOWN ON DWGS BEFORE ANY CONSTRUCTION WORK IS STARTED & SHALL NOTIFY ARCHITECT OF DISCREPANCIES, OMISSIONS AND/OR CONFLICTS BEFORE PROCEEDING. ALL WORK TO BE DONE IN ACCORDANCE WITH CODE, INCLUDING ADMINISTRATIVE ARTICLES & ALL OTHER REGULATIONS OF ALL OTHER AGENCIES HAVING JURISDICTION.
4. GC MUST COMPLY WITH ALL RULES AND REGULATIONS OF AGENCIES HAVING JURISDICTION. THIS COMPLIANCE INCLUDES, BUT IS NOT LIMITED TO, ALL CITY, STATE AND FEDERAL CONSTRUCTION, SAFETY, SANITARY LAWS, STATUTES, CODES & ORDINANCES & BUILDING STANDARD SPECIFICATIONS. GENERAL CONTRACTOR SHALL SECURE & PAY FOR ALL REQD PERMITS & INSPECTIONS NECESSARY FOR PROPER EXECUTION, APPROVALS & COMPLETION OF WORK.
5. ALL DIMS ARE TO FINISH FACE UNON.
6. DO NOT SCALE DWGS - WRITTEN DIMS GOVERN. LARGE SCALE DWGS GOVERN SMALL SCALE.
7. ALL PLAN DIMS ARE TO THE NEAREST 1/4".
8. GC IS REQD TO COORDINATE ALL WORK & DELIVERIES WITH BLDG MANAGEMENT & SECURITY.
9. ALL CORRESPONDENCE & PROJECT COMMUNICATION TO BE THROUGH ARCHITECT.
10. PREP ALL SURFACES AS REQD TO RECEIVE NEW FINISHES, INTERIOR FINISHES SHALL COMPLY WITH THE NY STATE BUILDING CODE.
11. MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED, BUT NECESSARY FOR PROPER & ACCEPTABLE CONSTRUCTION, INSTALLATION OR OPERATION OF ANY PART OF THE WORK AS DETERMINED BY THE ARCHITECT SHALL BE INCLUDED IN THE WORK THE SAME AS IF HEREIN SPECIFIED OR INDICATED.
12. FIRE PROTECTION TO COMPLY WITH SECTION CHAPTER 7 OF NYS BUILDING CODE.
13. FIRE RATED DOORS SHALL BEAR THE LABEL OF THE BOARD OF STANDARD AND APPEALS OR THE MEA DIVISION.
14. PLUMBING FIXTURES SHALL COMPLY WITH ALL STATE AND LOCAL REGULATIONS INCLUDING ADA GUIDELINES FOR FIXTURES AND INSTALLATION.
15. ALL SHUT-OFF VALVES SHALL BE ACCESSIBLE BY ACCESS PANEL.
16. PLUMBING FIXTURES SHALL BE INSTALLED & PLUMBED TO FULL WORKING ORDER.
17. GC TO PROVIDE BLOCKING AT ALL NECESSARY AREAS - INCLUDING AT GRAB BARS, EQUIPMENT, HALLWAYS, DESIGNATED VANITY UNITS AND SINKS, ACCESSORIES, FIXTURES AND APPLIANCES.
18. ALL ELECTRICAL WORK TO BE PERFORMED BY LICENSED CONTRACTORS.
19. "PROVIDE" MEANS TO FURNISH & INSTALL, "SUPPLIED BY OWNER" MEANS MAIN MATERIAL TO BE SUPPLIED BY OWNER AND CONTRACTOR IS TO INSTALL IT AS DIRECTED. "INC" MEANS NOT IN CONTRACT AND WILL BE FURNISHED & INSTALLED BY OTHERS.
20. NO CHANGE IN EGRESS, USE OR OCCUPANCY.
21. THE OVERLOADINGS OF FLOORS WITH BUILDING MATERIALS IS PROHIBITED.
22. CUTTING, TRENCHING, CHANNELING FLOOR OR CEILING, OR CORE DRILLING IS NOT PERMITTED. REVIEW WITH ARCHITECT WHERE NECESSARY.
23. GC MUST PROVIDE TWO (2) 10LB FIRE EXTINGUISHERS AT EACH CONSTRUCTION SITE. ONE OF WHICH MUST BE KEPT IN PLAIN SIGHT & ACCESSIBLE AT ALL TIMES DURING CONSTRUCTION.
24. CLEANING:
- MAINTAIN PREMISES & PUBLIC PROPERTIES FREE FROM ACCUMULATIONS OF WASTE, DEBRIS & RUBBISH CAUSED BY OPERATIONS. DEBRIS SHALL BE REMOVED FROM JOB SITE DAILY. ALL DEBRIS TO BE STORED IN METAL, CLOSED CONTAINERS.
 - AT COMPLETION OF WORK, REMOVE TEMPORARY FACILITIES, WASTE MATERIALS, RUBBISH, ALL TOOLS, EQUIPMENT, MACHINERY & SURPLUS MATERIALS, & CLEAN ALL SIGHT EXPOSED SURFACES.
25. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK & VERIFY ALL DIMS AND EX'G CONDITIONS. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT BEFORE PROCEEDING WITH WORK. ANY WORK STARTED BEFORE INSULATION AND ACCEPTANCE BY THE ARCHITECT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE SUBJECT TO CORRECTIONS BY HIM WITHOUT ADDITIONAL COMPENSATION.
26. DAMAGE CAUSED BY EXECUTION OF THIS CONTRACT, TO EXISTING STRUCTURE, PIPES, DUCTS, MECHANICALS, ETC. SHALL BE REPAIRED TO ORIGINAL CONDITION OR REPLACED BY THE CONTRACTOR AT NO EXTRA CHARGE TO THE OWNER.
27. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND COMPLETION OF THE WORK WITH APPROVED MATERIALS.
28. BY SUBMITTING A PROPOSAL OR AGREEMENT TO PERFORM WORK, THE CONTRACTOR AGREES THAT HE IS SKILLED & EXPERIENCED IN THE USE & INTERPRETATION OF PLANS & SPECS. HE HAS CAREFULLY REVIEWED THE PLANS AND SPECS FOR THIS & HAS FOUND THEM TO BE FREE OF AMBIGUITIES AND SUFFICIENT FOR BID PURPOSES. FURTHER, HE HAS CAREFULLY EXAMINED THE SITE OF THE WORK & FROM HIS OWN OBSERVATIONS HAS SATISFIED HIMSELF AS TO THE NATURE & LOCATION OF THE WORK, THE CHARACTER, QUALITY, & QUANTITY OF MATERIALS, THE DIFFICULTIES LIKELY TO BE ENCOUNTERED, & OTHER ITEMS WHICH MAY AFFECT THE PERFORMANCE OF WORK.

DRAWING LIST

ARCHITECTURAL	
A-001	TITLE, COLLEGE PLAN & LOCATION MAP
A-002	KEYPLANS
A-003	NOTES, ABBREVIATIONS, LEGEND & DRAWING LIST
A-004	ADA RESTROOM DETAILS
A-005	ADA DOOR DETAILS
A-101	MUSIC BUILDING PLANS
A-102	DANCE BUILDING PLANS
A-103	PHYSICAL EDUCATION BUILDINGS PLANS
A-104	LIBRARY PLANS
A-111	FLOOR TILE LAYOUTS
A-201	MUSIC BUILDING INTERIOR ELEVATIONS
A-202	DANCE BUILDING INTERIOR ELEVATIONS
A-203	PHYSICAL EDUCATION INTERIOR ELEVATIONS
A-204	PHYSICAL EDUCATION INTERIOR ELEVATIONS
A-205	LIBRARY INTERIOR ELEVATIONS
A-501	DETAILS
A-502	DETAILS
A-601	SCHEDULES

PLUMBING	
P-001	GENERAL NOTES, SYMBOLS & ABBREVIATIONS
P-101	MUSIC BUILDING - PLUMBING PLANS
P-102	DANCE BUILDING - PLUMBING PLANS
P-103	PHYSICAL EDUCATION - PLUMBING PLANS
P-104	LIBRARY BUILDINGS - PLUMBING PLANS
P-501	MUSIC BUILDING - PLUMBING RISER DIAGRAMS
P-502	DANCE BUILDING - PLUMBING RISER DIAGRAMS
P-503	PHYSICAL EDUCATION - PLUMBING RISER DIAGRAMS
P-504	LIBRARY BUILDING - PLUMBING RISER DIAGRAMS
P-601	PLUMBING SCHEDULES & DETAILS

MECHANICAL	
M-001	GENERAL NOTES, SYMBOLS & ABBREVIATIONS
M-101	MUSIC BUILDING - MECHANICAL PLANS
M-102	DANCE BUILDING - MECHANICAL PLANS
M-103	PHYSICAL EDUCATION - MECHANICAL PLANS
M-104	LIBRARY BUILDING - MECHANICAL PLANS
M-601	MECHANICAL SCHEDULES & DETAILS

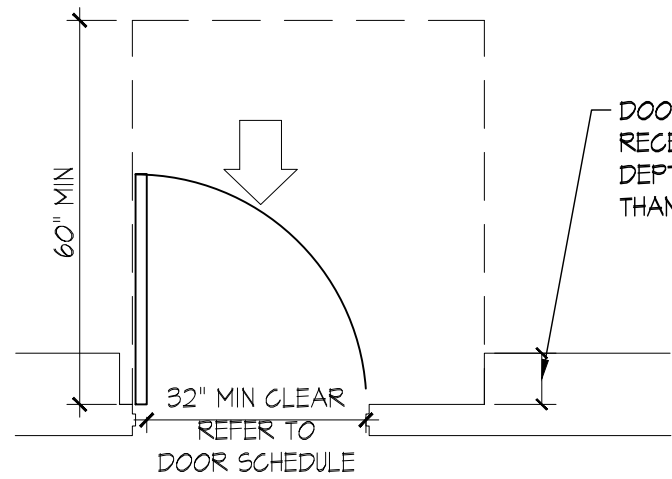
ELECTRICAL	
E-001	GENERAL NOTES, SYMBOLS & ABBREVIATIONS
E-101	MUSIC BUILDING - ELECTRICAL PLANS
E-102	DANCE BUILDING - ELECTRICAL PLANS
E-103	PHYSICAL EDUCATION - ELECTRICAL PLANS
E-104	LIBRARY BUILDING - ELECTRICAL PLANS
E-501	ELECTRICAL RISER DIAGRAMS & SCHEDULES
E-502	FIRE ALARM RISER DIAGRAMS
E-601	ELECTRICAL SCHEDULES
E-602	ELECTRICAL SCHEDULES
E-603	ELECTRICAL SCHEDULES
E-604	ELECTRICAL SCHEDULES
E-701	ELECTRICAL DETAILS
E-702	ELECTRICAL DETAILS

FIRE PROTECTION	
F-001	GENERAL NOTES, SYMBOLS & ABBREVIATIONS
F-101	MUSIC BUILDING - FIRE PROTECTION PLANS
F-701	FIRE PROTECTION DETAILS

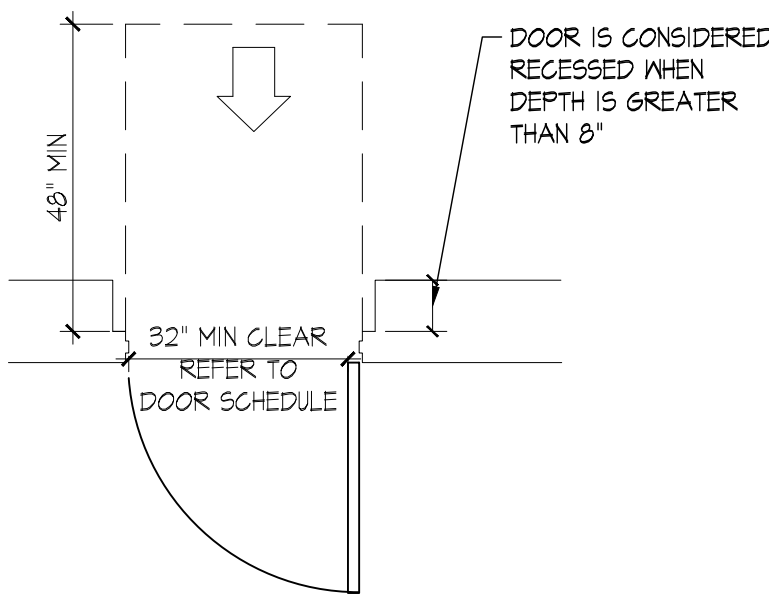
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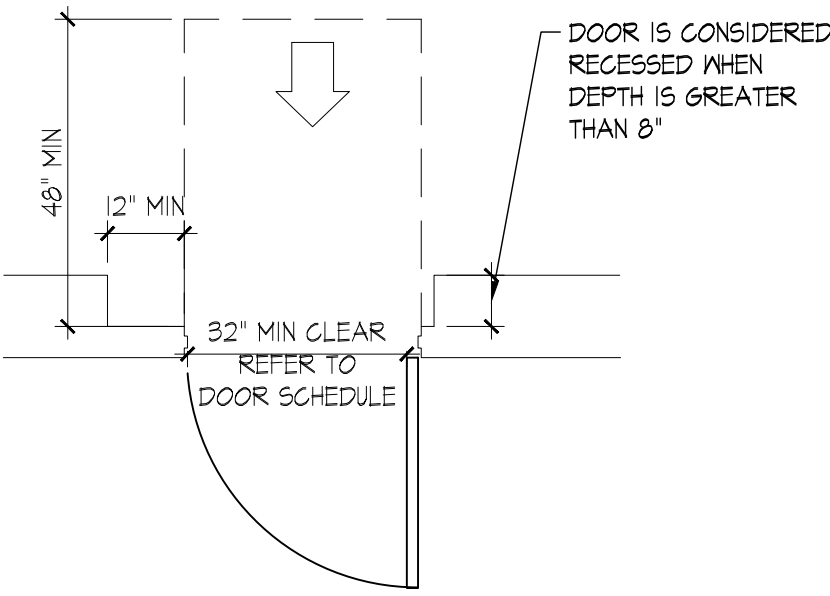
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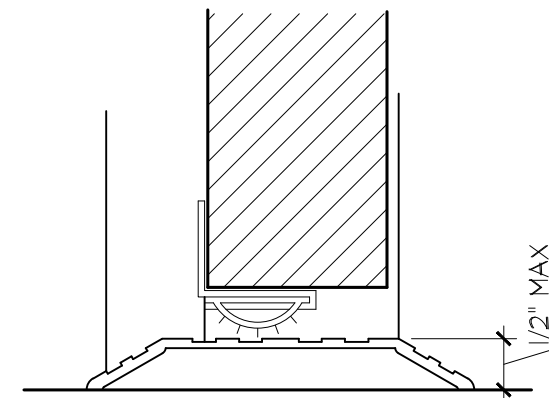
RECESSED DOOR
PULL SIDE, FRONT APPROACH
(WITH OR WITHOUT CLOSER)



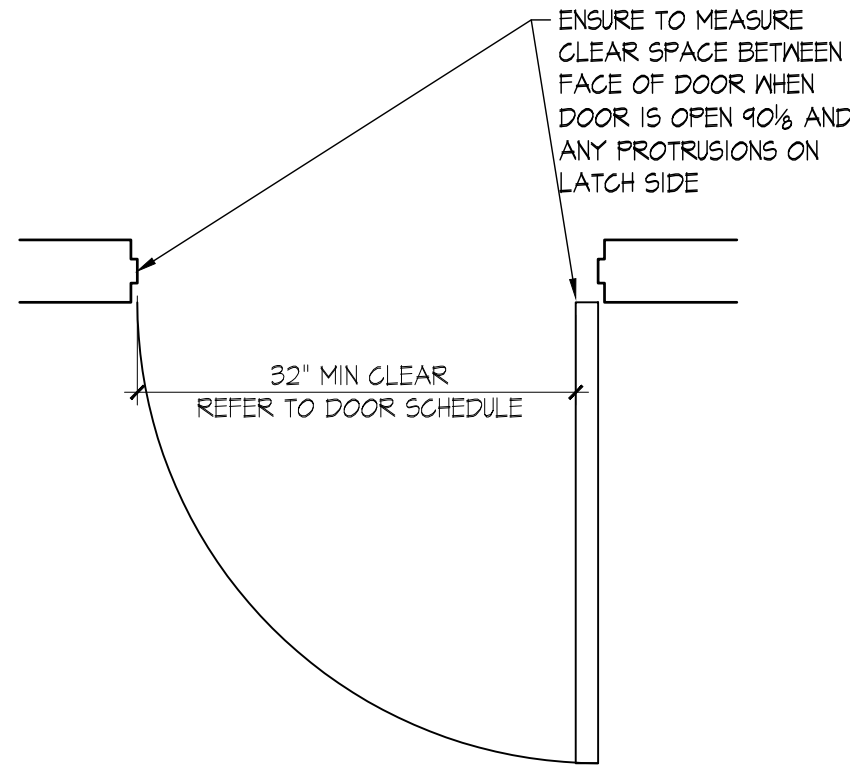
RECESSED DOOR
PUSH, FRONT APPROACH
(WITHOUT CLOSER)



RECESSED DOOR
PUSH, FRONT APPROACH
(WITH CLOSER)



THRESHOLD

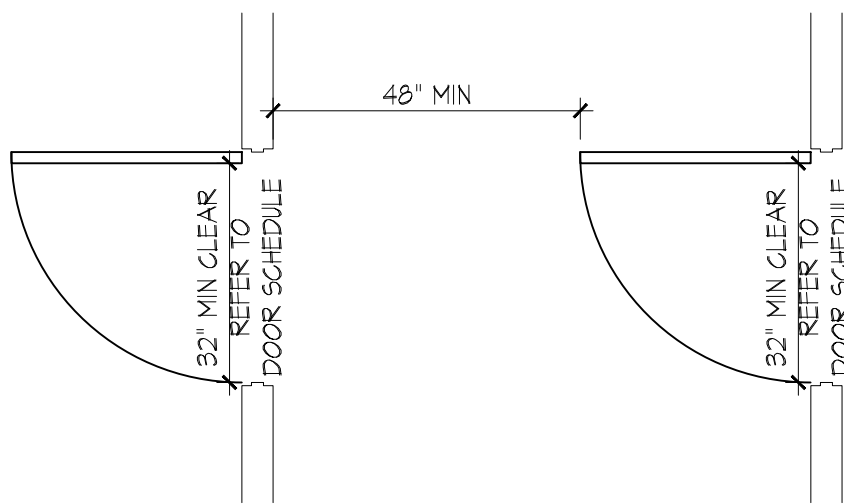


CLEARANCE THROUGH DOOR

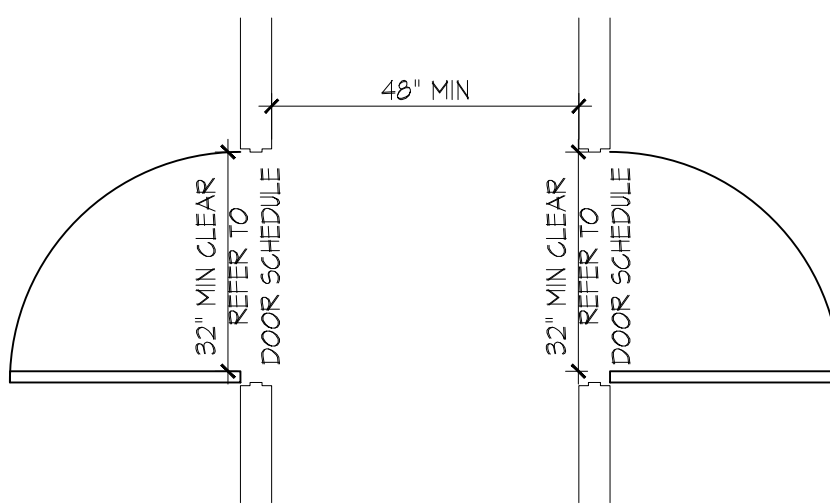
4 ADA RECESSED DOOR CLEARANCES
NOT TO SCALE

3 ADA THRESHOLD
NOT TO SCALE

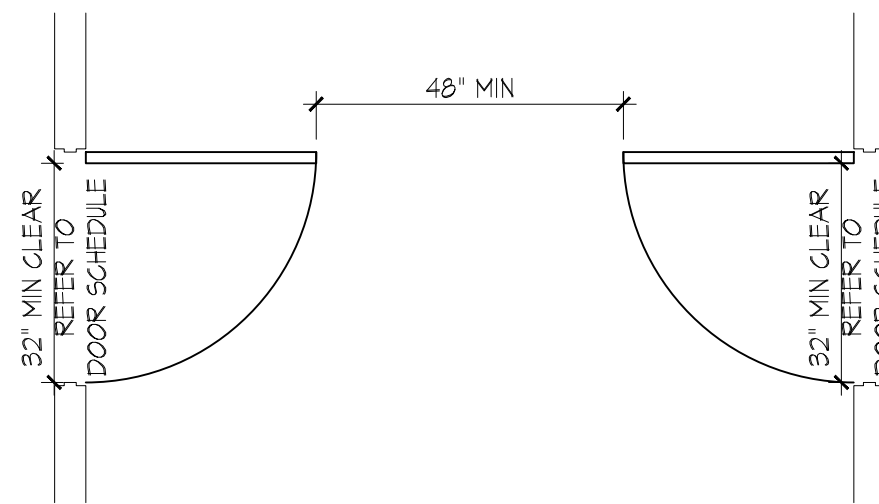
2 ADA DOOR WIDTH
NOT TO SCALE



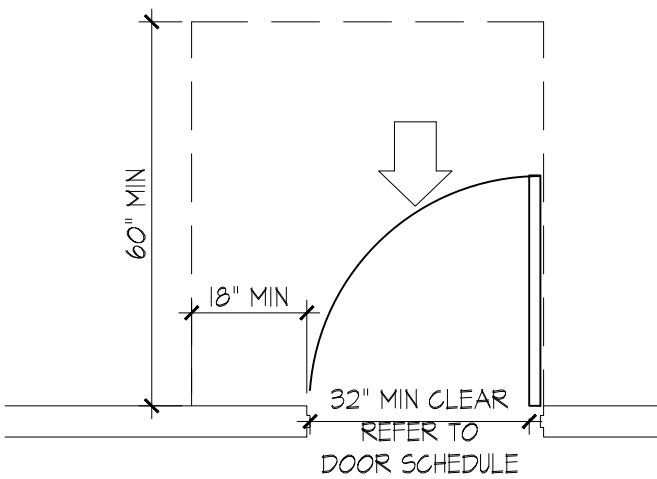
TWO DOORS IN SERIES CLEARANCES



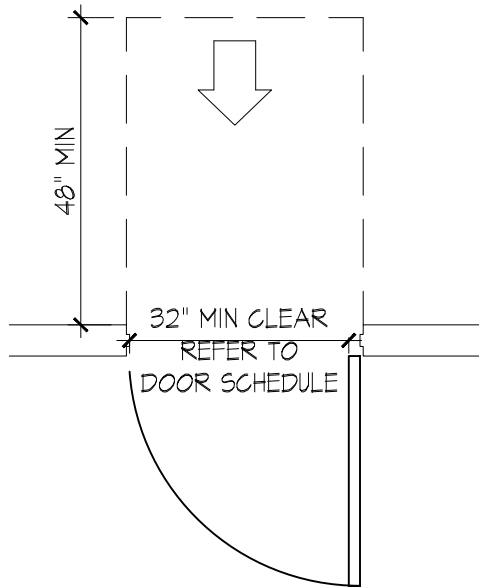
TWO DOORS IN SERIES CLEARANCES



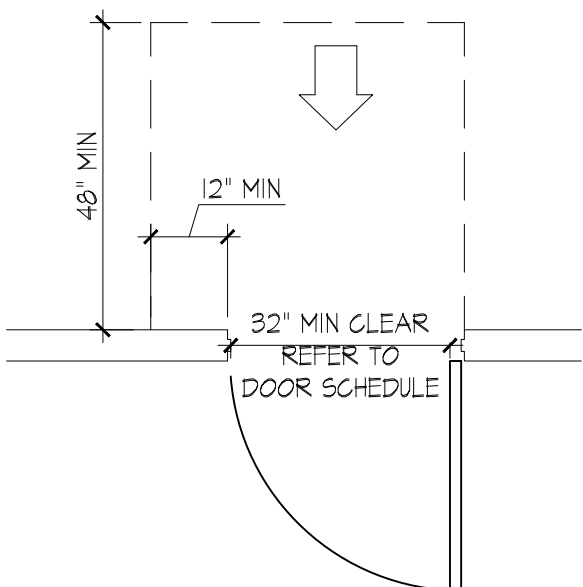
TWO DOORS IN SERIES CLEARANCES



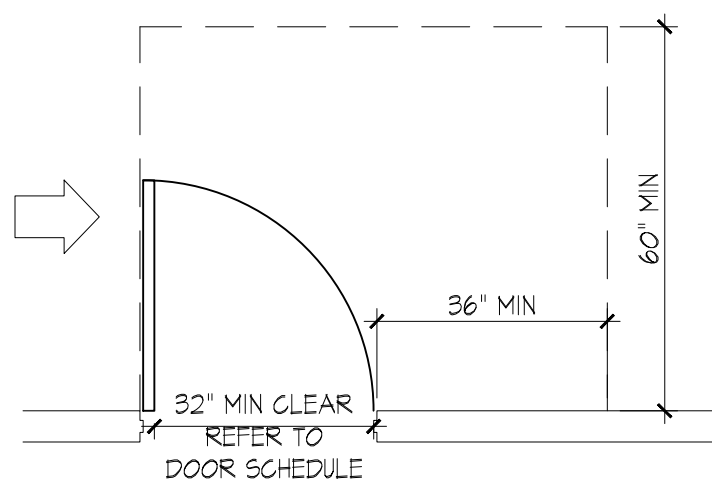
PULL SIDE, FRONT APPROACH
(WITH OR WITHOUT CLOSER)



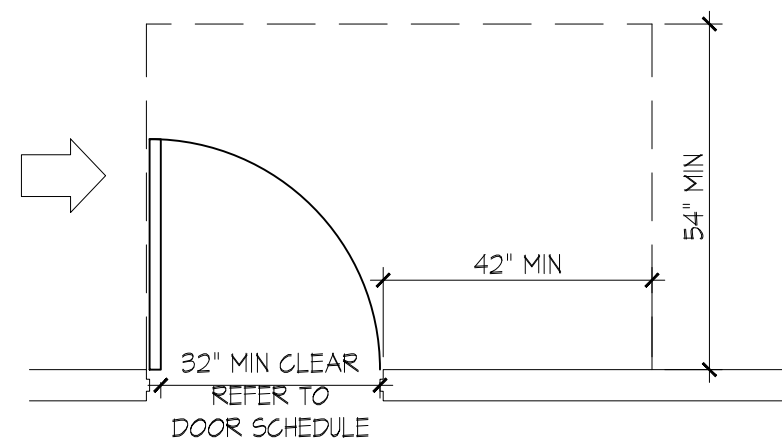
PUSH SIDE, FRONT APPROACH
(WITHOUT CLOSER)



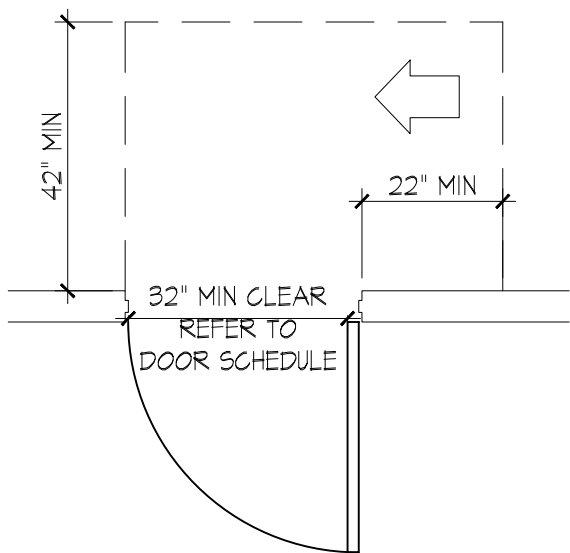
PUSH SIDE, FRONT APPROACH
(WITH CLOSER)



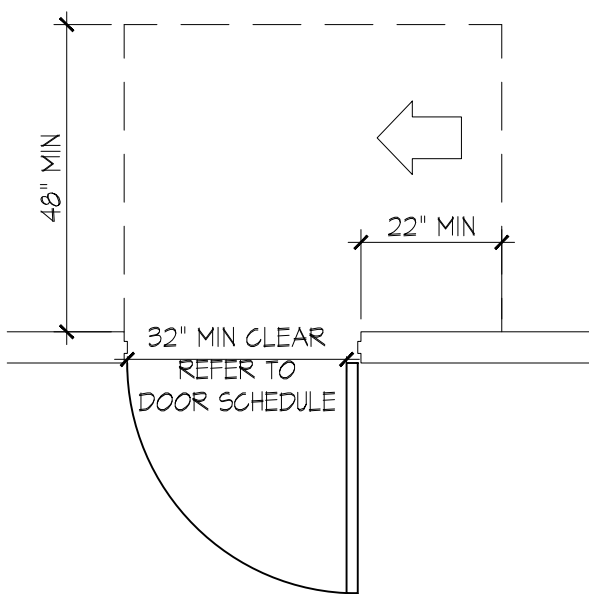
PULL SIDE, HINGE APPROACH -
ALTERNATE 1
(WITH OR WITHOUT CLOSER)



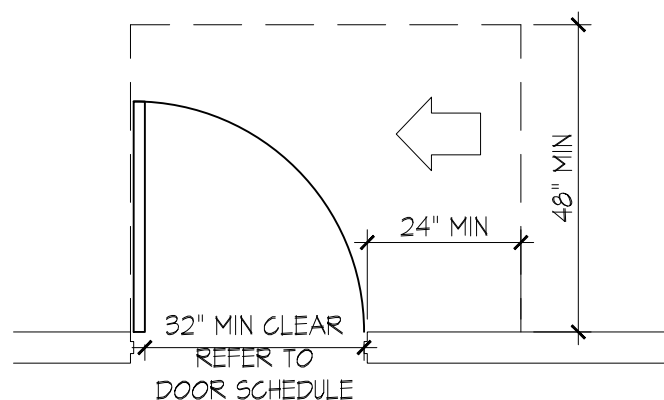
PULL SIDE, HINGE APPROACH -
ALTERNATE 2
(WITH OR WITHOUT CLOSER)



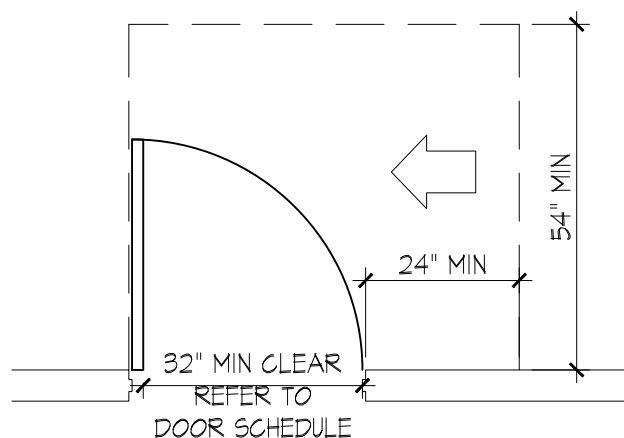
PUSH SIDE, HINGE APPROACH
(WITHOUT CLOSER)



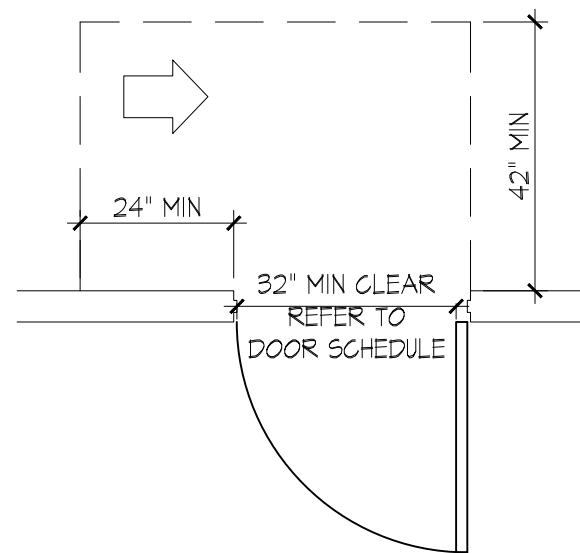
PUSH SIDE, HINGE APPROACH
(WITH CLOSER)



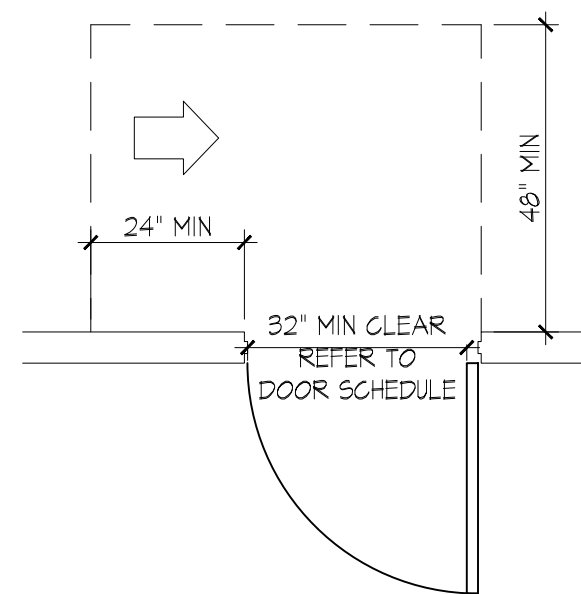
PULL SIDE, LATCH APPROACH
(WITHOUT CLOSER)



PULL SIDE, LATCH APPROACH
(WITH CLOSER)



PUSH SIDE, LATCH APPROACH
(WITHOUT CLOSER)



PUSH SIDE, LATCH APPROACH
(WITH CLOSER)

1 ADA DOOR CLEARANCES
NOT TO SCALE

RESTROOM RENOVATION PURCHASE COLLEGE

STATE UNIVERSITY OF NEW YORK

735 Anderson Hill Rd.
Purchase, NY 10577

PHASE 2:

MUSIC BUILDING
DANCE BUILDING
PHYS. ED. BUILDING
LIBRARY

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Rev	Date	Issue
29 April 2022	Issue for Bid	

ADA DOOR DETAILS

Date 01-16-2020
Project No. 1944
Drawing By SJ, CQ
CHK By SN
Scale AS NOTED

DOB Rev
A-005.00
#

DEMOLITION PLAN NOTES

- PROTECT ALL EX'S CONDITIONS TO REMAIN.
- THE CONTRACT DOCUMENTS ARE COMPLEMENTARY; WORK FROM ALL TRADES AND DISCIPLINES SHALL BE COORDINATED BY THE GENERAL CONTRACTOR. THE OWNER AND ARCHITECT SHALL BE NOTIFIED IMMEDIATELY OF ANY APPARENT CONFLICTS. DEMOLITION NOT SHOWN BUT REQUIRED TO ACHIEVE DESIGN INTENT SHOWN IN CONSTRUCTION DRAWINGS IS PART OF DEMOLITION WORK.
- SCOPE OF DEMO & REMOVAL WORK SHALL NOT BE LIMITED BY THESE DWGS BUT SHALL INCLUDE ALL WORK NECESSARY TO FACILITATE CONSTRUCTION.
- TEMPORARY MAINTENANCE OF HAZARDOUS CONDITIONS: UPON RECEIPT OF THE NOTICE TO PROCEED, CONTRACTOR SHALL CAREFULLY INSPECT ALL EX'S WORK SCHEDULED FOR REMOVAL. ANY SUCH WORK FOUND TO BE WEAKENED, STRUCTURALLY UNSAFE OR OTHERWISE HAZARDOUS, SHALL IMMEDIATELY BE MADE SAFE MAINTAINED UNTIL SUCH TIME WHEN IT SHALL BE REMOVED.
- ALL EXISTING ELEMENTS TO REMAIN SHALL BE SHORED AND PROTECTED FROM DAMAGE DURING CONSTRUCTION SO THAT THEY REMAIN INTACT AND SOUND. DAMAGE PREDATING CONSTRUCTION ACTIVITIES SHALL BE DOCUMENTED BY THE CONTRACTOR. SHORING WHERE NEEDED SHALL BE DESIGNED AND SEALED BY AN ENGINEER LICENSED IN THE STATE OF NEW YORK.
- STABILITY AND INTEGRITY OF EXISTING STRUCTURES:

SHORING OF MEMBERS AND PROTECTION OF THE EXISTING STRUCTURE DURING DEMOLITION IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL COMPLY WITH THE REQUIREMENTS OF THE BUILDING CODE. REFER TO "PROTECTION OF ADJOINING PROPERTY" IN THE GENERAL NOTES BELOW.

CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY BRACING AND SHORING DURING MASONRY WALL REMOVAL. DEMOLISH EX'S MASONRY WALL IN A SAFE MANNER AND SHALL NOT CAUSE DAMAGE TO THE EXISTING BUILDING ELEMENTS TO REMAIN.

THE WORK OF DEMOLITION SHALL BE CARRIED ON IN A MANNER THAT WILL ENSURE ADJACENT AREAS AGAINST ANY DAMAGE WHICH MIGHT OCCUR FROM FALLING DEBRIS OR OTHER CAUSE AND SO AS NOT TO INTERFERE WITH USE OF ADJACENT AREAS AND STRUCTURES OR THE FREE AND SAFE PASSAGE TO AND FROM THE BUILDINGS AND STRUCTURES.

DEMOLITION PLAN NOTES (CONT'D)

- ANY REMOVALS, INFILLS AND EXTENSIONS OF EXISTING TO REMAIN CONSTRUCTION SHALL BE PATCHED AS REQUIRED TO MATCH ADJACENT MATERIAL, FINISH, WORKMANSHIP AND CONSTRUCTION, U.O.N.
- GC TO REMOVE & LEGALLY DISPOSE OF ALL APPLIANCES, PLUMBING FIXTURES & MISC. CONSTR. DEBRIS SCHEDULED TO BE DEMOLISHED. CONTACT COLLEGE REPRESENTATIVE FOR RIGHT OF FIRST REFUSAL FOR ITEMS BEING REMOVED. LIGHTING FIXTURES TO BE SAVED FOR REUSE.
- REMOVE ALL EX'S DOORS, WALLS, TOILET PARTITIONS, ETC. SHOWN IN DASHED LINE, INCLUDING ALL MECHANICAL, ELECTRICAL AND PLUMBING ITEMS THERE IN.
- REMOVE WALLS AS REQ'D TO ACCESS PLUMBING THAT REQUIRES REPLACEMENT. REMOVE RADIATOR AND ASSOCIATED PIPING. COORDINATE WITH MEP DEMO DRAWINGS.
- NOTIFY ARCHITECT IF FIXTURES OR DEVICES EXIST WHICH ARE NOT NOTED ON THE PLAN.
- GC TO NOTIFY ARCHITECT OF ALL RISERS, & PIPING EXPOSED DURING DEMO.
- ALL DEMO TO BE DONE W/ MINIMAL IMPACT ON WORK ENVIRONMENT. AREAS TO BE LEFT CLEAN & SAFE AT END OF EACH SHIFT. GC TO PROVIDE PROTECTIVE PLASTIC AT DOORWAYS BEFORE THE START OF WORK.
- DEMO OF LOAD-BEARING WALLS IS PROHIBITED.
- CONTRACTOR TO SEAL ALL VENTS DURING DEMO.
- ALL PIPING NOT BEING REUSED, TO BE CAPPED AT RISER.
- NO CUTTING OR CHANNELING OF BUILDING STRUCTURE IS PERMITTED FOR ANY WORK.
- ALL TILES AND WALL COVERING ON EXISTING WALLS TO BE REMOVED TO EXPOSE STRUCTURE BELOW. CMU PLASTER WALL, METAL STUDS, ETC. WHERE APPLICABLE REMOVE TILE WITH ASSOCIATED GYPSUM BOARD BACKING.

DEMOLITION PLAN NOTES (CONT'D)

- GC SHALL BE TOTALLY RESPONSIBLE FOR PROTECTING ALL EXISTING SURFACES AND ITEMS TO REMAIN.
 - ALL EX'S FINISHED FLOORING TO BE REMOVED DOWN TO SLAB.
 - WHERE NEW SLAB PENETRATIONS ARE REQUIRED, GC WILL BE RESPONSIBLE FOR SCANNING THE EXISTING CONDITIONS AND SLABS FOR SAFE PENETRATION.
 - ASBESTOS REMOVAL TO BE COORDINATED WITH SUNY. CONTRACTOR IS RESPONSIBLE FOR ASBESTOS ABATEMENT, SUNY TO PROVIDE ABATEMENT PLANS & TEST RESULTS.
- RCP & POWER PLAN DEMO NOTES:**
- ALL GYM CEILINGS WITHIN RESTROOMS SHALL BE REMOVED AND REPLACED WITH NEW.
 - PROTECT EX'S SPRINKLERS DURING CONSTRUCTION. REFER TO PP DRAWINGS FOR NEW WORK.
 - ALL AFFECTED HVAC ACCESSORIES IN RESTROOMS AND ADJACENT AFFECTED AREAS TO BE REMOVED AND REPLACED WITH NEW AS PER MECHANICAL DRAWINGS.
 - REMOVE ALL LT SWITCHES, OUTLETS & FIRE ALARMS, & INSTALL NEW AS PER ELECTRICAL PLANS.
 - WHERE NEW WALLS AFFECT ADJACENT AREAS AFFECTED ACT CEILING MUST BE RESTORED AND AFFECTED FIXTURES RELOCATED IF REQ'D.

REFLECTED CEILING PLAN (RCP) NOTES

- ALL SWITCHES SHOULD BE INSTALLED AT 48" TO THE TOP OF THE SWITCH, U.O.N. REFER TO ELECTRICAL DRAWINGS FOR KEY LOCK SWITCHES INFO & LOCATION.
- GANG ALL SWITCHES, WHERE APPLICABLE.
- REFER TO ELEC. DWGS FOR REMOVAL OF FIXT & COMPLETE SCOPE OF ELEC. WORK INCLUDING CIRCUITING & SWITCHING.
- REFER TO LIGHTING SCHEDULE PROVIDED ON SHEET A-600 AND ELECTRICAL DRAWINGS.
- INSTALL NEW GYM CEILING AND ALL ASSOCIATED COMPONENTS INCLUDING LIGHTING FIXTURES, DIFFUSERS, ACCESS HATCHES, FIRE ALARM DEVICES, ETC. COORDINATE WITH ELECTRICAL, MECHANICAL AND FIRE PROTECTION.
- INSTALL CEILING MOUNTED OCCUPANCY SENSORS. COORDINATE WITH ELECTRICAL.
- AT NEW WALL LOCATIONS REMOVE REPAIR CEILING GRID AND TILE AS REQUIRED TO ACCOMMODATE NEW PARTITIONS. PROVIDE NEW ADDITIONAL CEILING SYSTEM HANGER TO MAINTAIN PROPER SUPPORT OF CEILING.
- IF NEW WALL PARTITION AFFECTS EXISTING FIXTURES IN ACT CEILING, RELOCATE FIXTURES AT CLOSEST AVAILABLE GRID LOCATION. VERIFY WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION.
- SCHEDULED CEILING TYPES AND EQUIPMENT MUST BE COORDINATED WITH MEP DRAWINGS AND MEP COORDINATION SHOP DRAWINGS WHEN REQUIRED. DEPTHS OF CEILING AND FIXTURES MUST BE SHOWN. ANY CHANGE IN DESIGN INTENDED CEILING HEIGHT MUST BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND OWNER PRIOR TO INSTALLATION.

REFLECTED CEILING PLAN NOTES:

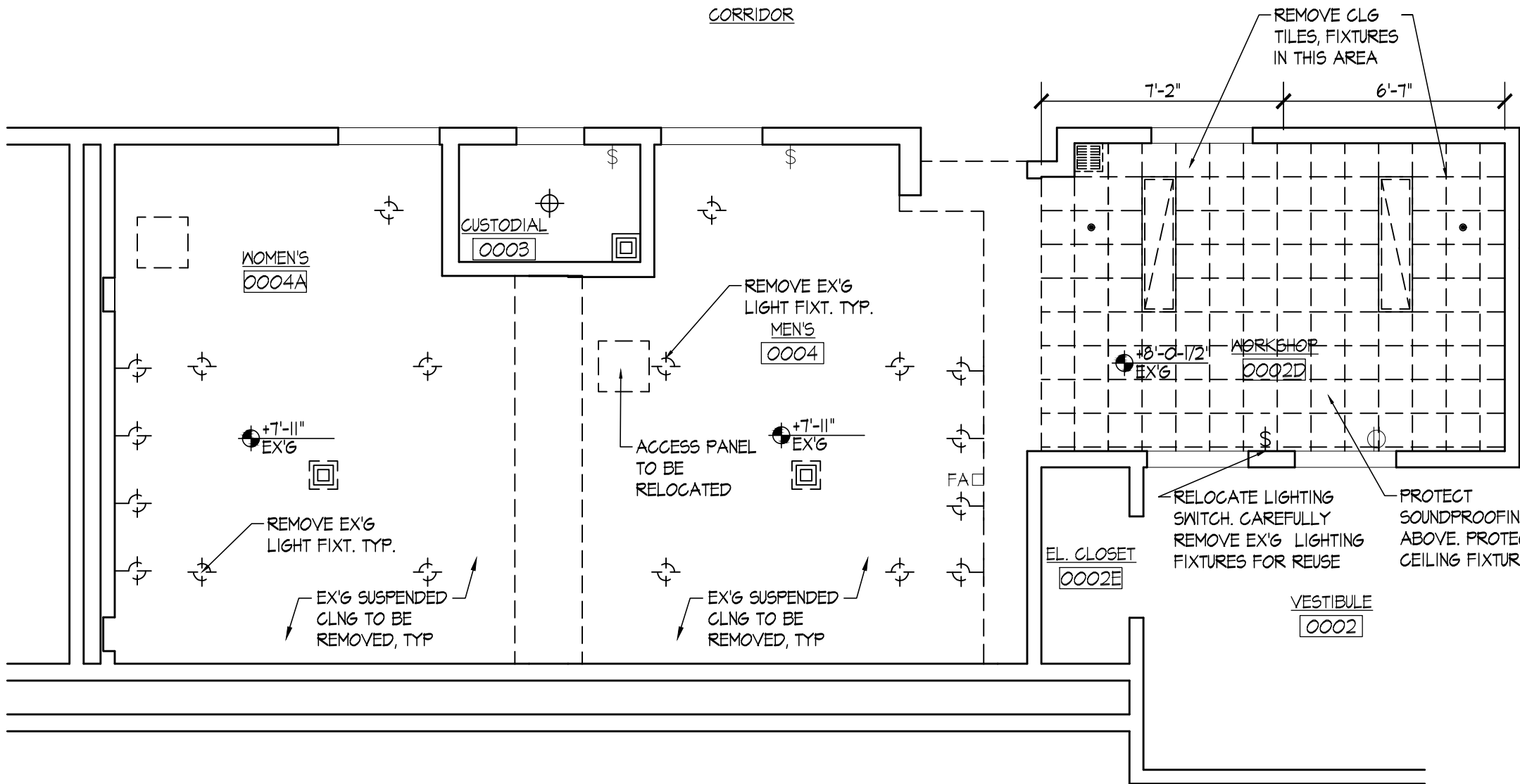
- FINAL ACCESS PANEL SIZE AND LOCATIONS MUST BE COORDINATED WITH EQUIPMENT ABOVE THE CEILING IN LOCATIONS WHERE HARD CEILINGS ARE SPECIFIED. SHOW ACCESS PANEL LOCATIONS IN MEP COORDINATED SHOP DRAWINGS.
- REFER AND COORDINATE WITH MEP/PP DRAWINGS FOR ALL CEILING EQUIPMENT INCLUDING SUPPLY AND RETURN AIR GRILLES, SPRINKLER HEADS, ALARMS AND SENSORS, ETC.
- PRIOR TO CEILING FRAMING CONTRACTOR SHALL VERIFY THAT NO OBSTRUCTIONS OCCUR TO SCHEDULED FIXTURES, DUCTS AND EQUIPMENT. ANY OBSTRUCTION MUST BE REPORTED TO ARCHITECT AND ENGINEER PRIOR TO CONSTRUCTION.
- FOR NEW CEILINGS THAT ARE NOTED AT LESS THAN 8'-0", PRIOR TO CEILING FRAMING CONTRACTOR SHALL VERIFY WITH ARCHITECT POSSIBILITY TO RAISE CEILING TO REACH 8'-0" MIN. NO FRAMING SHALL COMMENCE BEFORE MAXIMUM CEILING HEIGHT IS CONFIRMED BY ARCHITECT.
- NO CHANGE IN SPRINKLER NUMBER. RELOCATE SPRINKLER TO CENTER OF ROOM WHERE INDICATED WITH INDEX R, TO ALLOW FOR SUFFICIENT COVERAGE, TYP.

CONSTRUCTION PLAN NOTES:

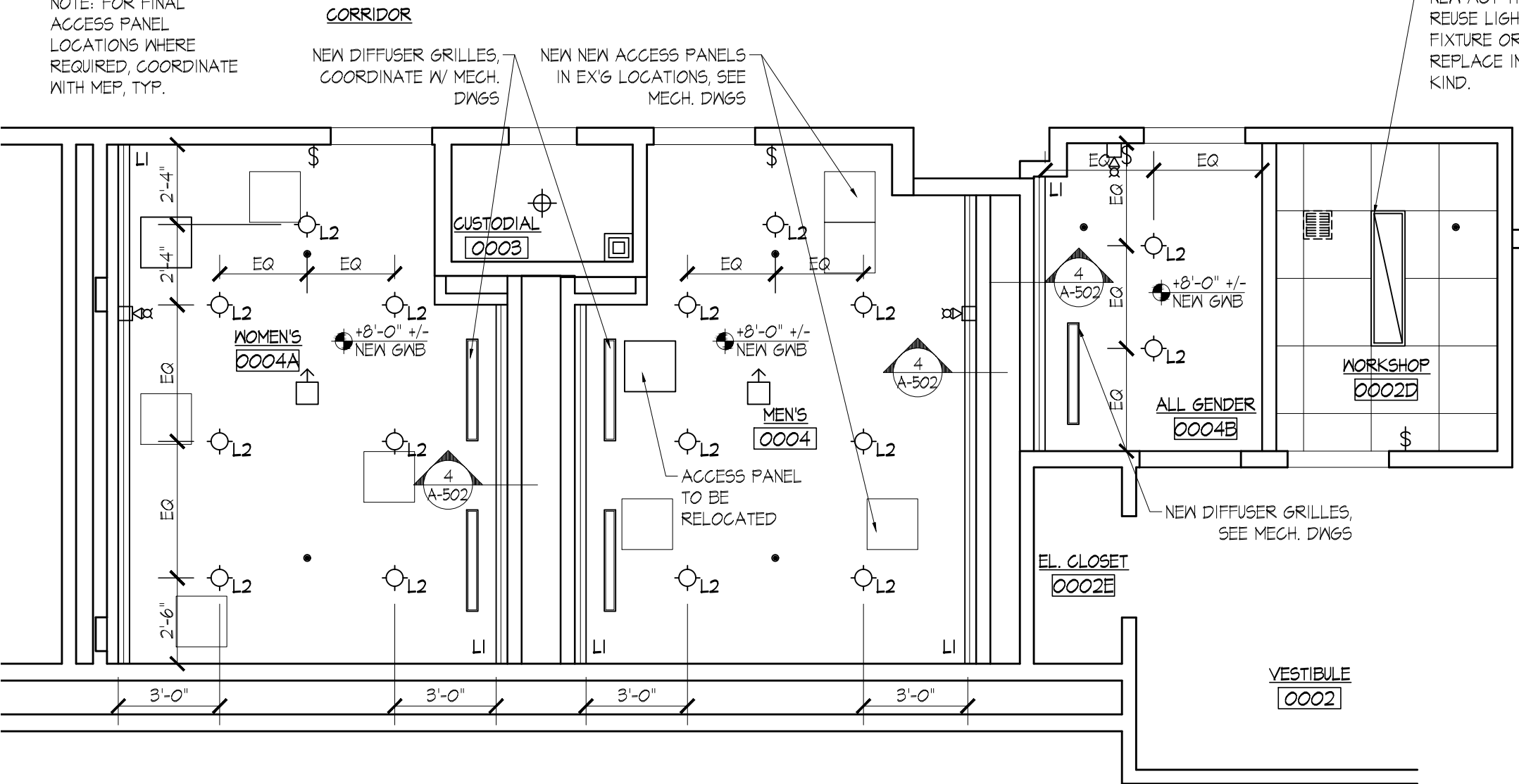
- ALL EXPOSED EX'S SURFACES, INCLUDING WALLS & CEILINGS, SHOULD BE SKIM COATED TO MATCH SIMILAR QUALITY OF NEW PARTITIONS.
 - BURY ALL WIRING & PATCH EX'S SURFACES WHICH HAVE BEEN CHANNELLED FOR ELEC. OR OTHER INVASIVE WORK. PREPARE & PAINT/TITLE WALLS ACCORDING TO FINISH SCHED.
 - PROVIDE FIRE RETARDANT TREATED WOOD BLOCKING AS REQ'D BEHIND FINISHES FOR INSTALLATION OF GRAB BARS, ACCESSORIES, TOILET PARTITION ANCHORS, FIXTURES & VANITIES. FOR 3-STATION VANITY SUPPORT REFER TO MANUFACTURER'S RECOMMENDATIONS.
 - ALL RATED PARTITIONS SHALL EXTEND TO THE SLAB ABOVE. CEILING HEIGHT PARTITIONS SHALL BE BRACED TO THE SLAB ABOVE.
 - PATCH & REPAIR ANY AREAS DAMAGED BY LEAKAGE PRIOR TO NEW FINISHES & CONSTRUCTION.
 - REFER TO PLUMBING DWGS & SPECS FOR REQ'D PIPING & CONNECTIONS, MATERIALS & SCOPE OF WORK.
 - GC TO PROVIDE FIRESTOPPINGS AT ALL NEW & EX'S PENETRATIONS TO REMAIN & RATED PARTITIONS. ALL RATED PARTITION & SHAFT WALLS TO BE RESTORED.
 - SCRAPE CLEAN & REPAIR WALLS, CEILINGS & FLOORS WITHIN SCOPE OF WORK AREA. PREP FOR NEW FINISHES & PAINT PER SPEC REQUIREMENTS. COLORS TO BE APPROVED BY ARCH.
 - ENSURE A SMOOTH & EVEN SUBSURFACE FOR APPLICATION OF NEW FINISHES.
 - REFURBISHED & NEW FLOOR DRAINS WHERE INDICATED, REFER TO PLUMBING DRAWINGS AND SPECS FOR DETAILS.
 - IF NEW RESTROOMS REQUIRE WORK ON FLOOR BELOW TO ACCESS PLUMBING, DISTURBED SPACES TO BE RESTORED TO ORIGINAL CONDITION AT CONCLUSION OF WORK. IF APPLICABLE, IN ADJACENT SPACES, REPAIR EXISTING DAMAGED CERAMIC WALL TILE IN PLACE, MATCH ADJACENT FINISH.
 - INSTALLATION OF ALL FIXT. AND ACCESSORIES MUST COMPLY WITH THE ADA GUIDELINES AND PRESCRIBED DIMS. CONSTR. TOLERANCES WILL NOT BE PERMITTED. DIMS ARE PROVIDED TO ALLOW FOR MIN OR MAX RANGES. ANY FIELD CONDITION THAT SLIGHTLY VARIES FROM THE DWGS SHALL BE VERIFIED WITH ARCHITECT PRIOR TO CONSTRUCTION OR INSTALLATION.
 - ALL PLUMBING FIXT & ACCESSORIES SHALL BE ADA COMPLIANT IN COMPLIANCE WITH ADA ARCH. GUIDELINES. GENERAL INFORMATION ON FLOOR SPACE CLEARANCES AND MOUNTING HEIGHTS PROVIDED ON ADA DETAIL SHEETS, A-003 AND A-004.
 - AT AREAS WHERE NEW MASONRY INFILL OR ABUTS EXISTING MASONRY, THE MASONRY COURSING SHALL BE MAINTAINED AND THE VERTICAL JOINTS SHALL BE TOOTHED INTO THE EXISTING COURSING UNLESS NOTED OR DIRECTED OTHERWISE.
 - REFER TO WALL TYPES AND NET WALL FINISH DETAILS ON SHEET A-501.
- NEW CEILING FRAMING:**
- UPON CEILING DEMOLITION, CONTRACTOR WILL REVIEW WITH ARCHITECT ANY POSSIBILITY TO RAISE CEILING UP TO 8'-6" IN AREAS WHERE CEILINGS ARE NOTED BELOW 8'-6".
 - NO CEILING FRAMING WILL COMMENCE BEFORE EVENTUAL OBSTRUCTIONS FOR SCHEDULED FIXTURES AND ACCESSORIES ARE IDENTIFIED AND REVIEWED WITH ARCHITECT.

TOILET ROOMS GENERAL NOTES:

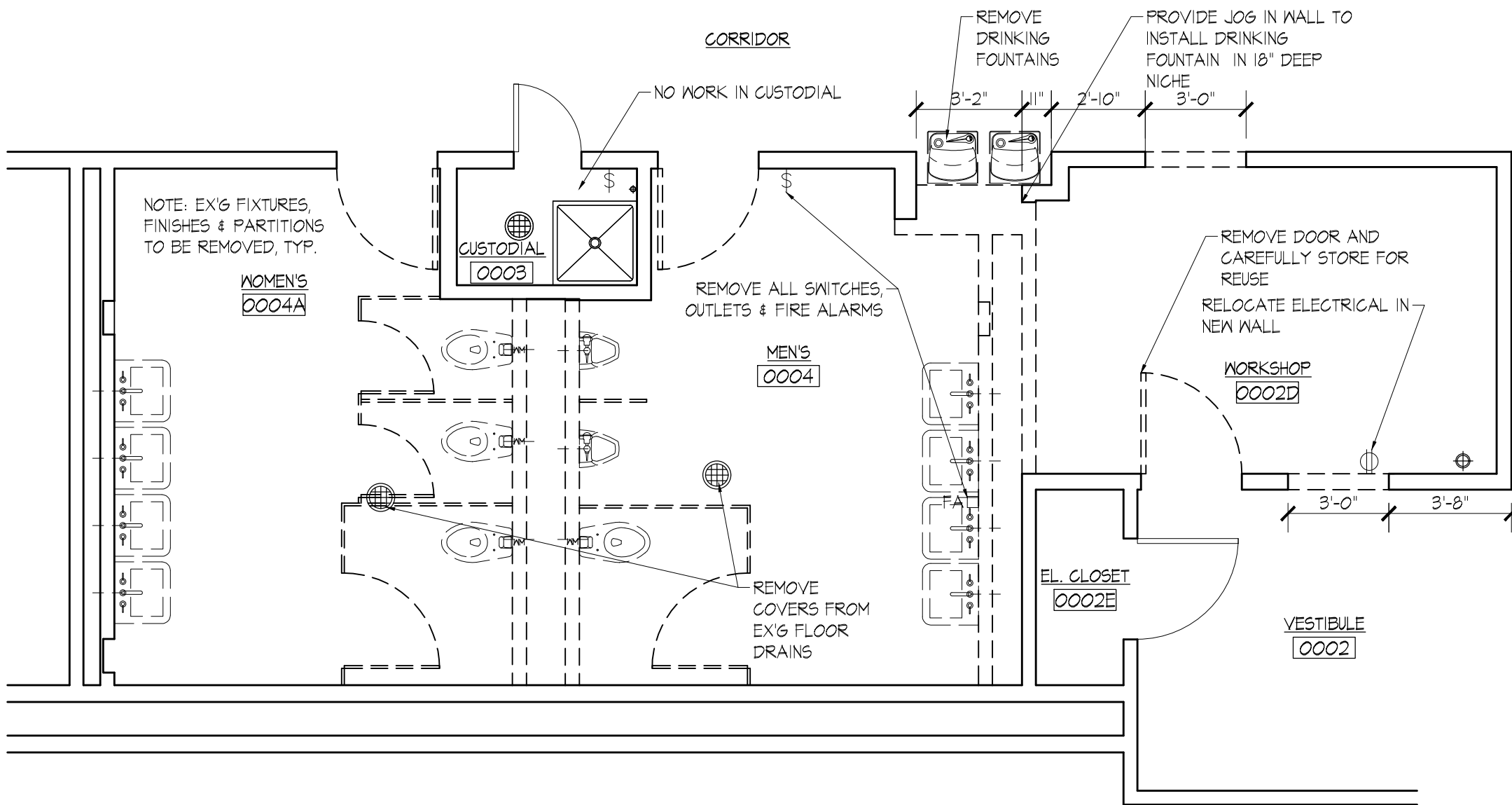
- SOAP, TOILET TISSUE DISPENSERS, HAND DRIERS AND OTHER SPECIFIED ACCESSORIES TO BE PROVIDED & INSTALLED BY GC. REFER TO ACCESSORIES SCHEDULE ON SHEET A-601.
- GC TO PROVIDE PROPER BLOCKING FOR ALL WALL MOUNTED ACCESSORIES.
- PROVIDE A FULL DOOR HANDLE ON ALL HANDICAP STALL DOORS. LOCATE HANDLE ON TOILET-FACING SIDE WHEN DOOR IS IN CLOSED POSITION, 6" FROM THE HINGE SIDE OF DOOR & 30" AFF.
- UNLESS NOTED OTHERWISE, MOUNT DOOR HOOKS ON TOILET-FACING SIDE OF ALL TOILET PARTITION DOORS & SINGLE USE TOILET DOORS WHEN DOOR IS IN CLOSED POSITION, AT CENTER LINE OF DOOR LEAF, 48" AFF FOR ADULTS RESTROOMS.
- REFERENCE MOUNTING HEIGHTS AND LOCATIONS INDICATED ON SHEET A-003 AND A-004 AS PER ADA GUIDELINES.



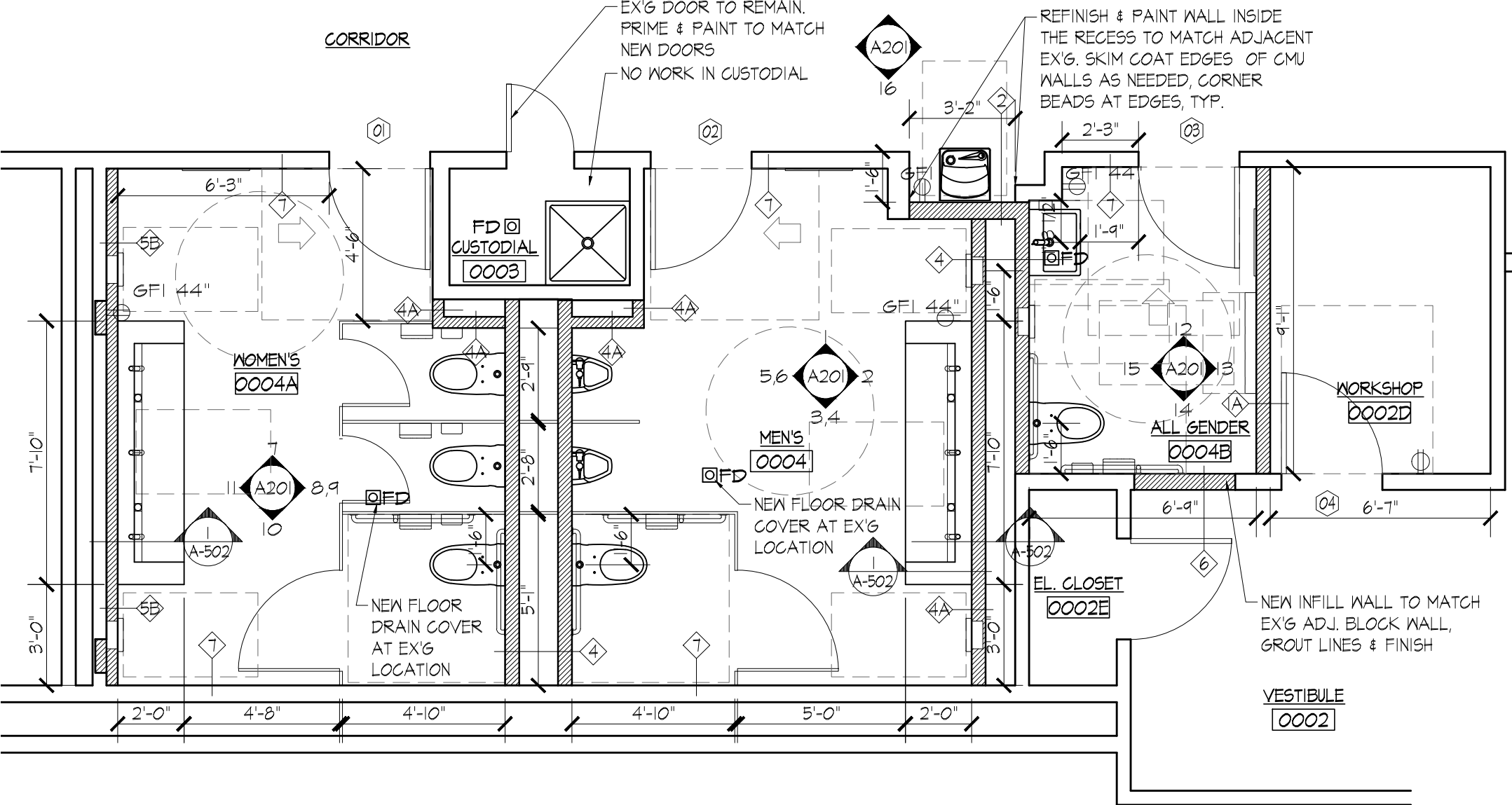
4 BASEMENT DEMOLITION RCP
1/4" = 1'-0"



3 BASEMENT RCP
1/4" = 1'-0"



2 BASEMENT DEMOLITION PLAN
1/4" = 1'-0"



1 BASEMENT CONSTRUCTION PLAN
1/4" = 1'-0"

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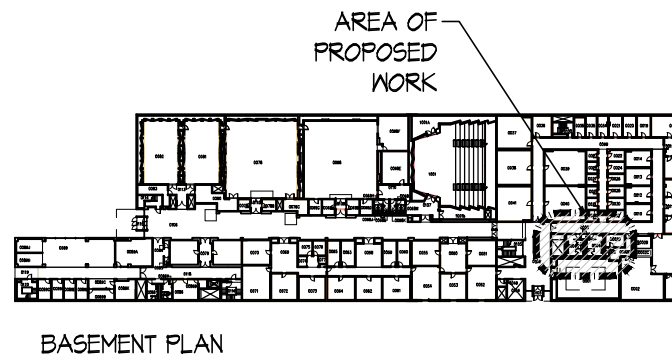
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	29 April 2022	Issue for Bid

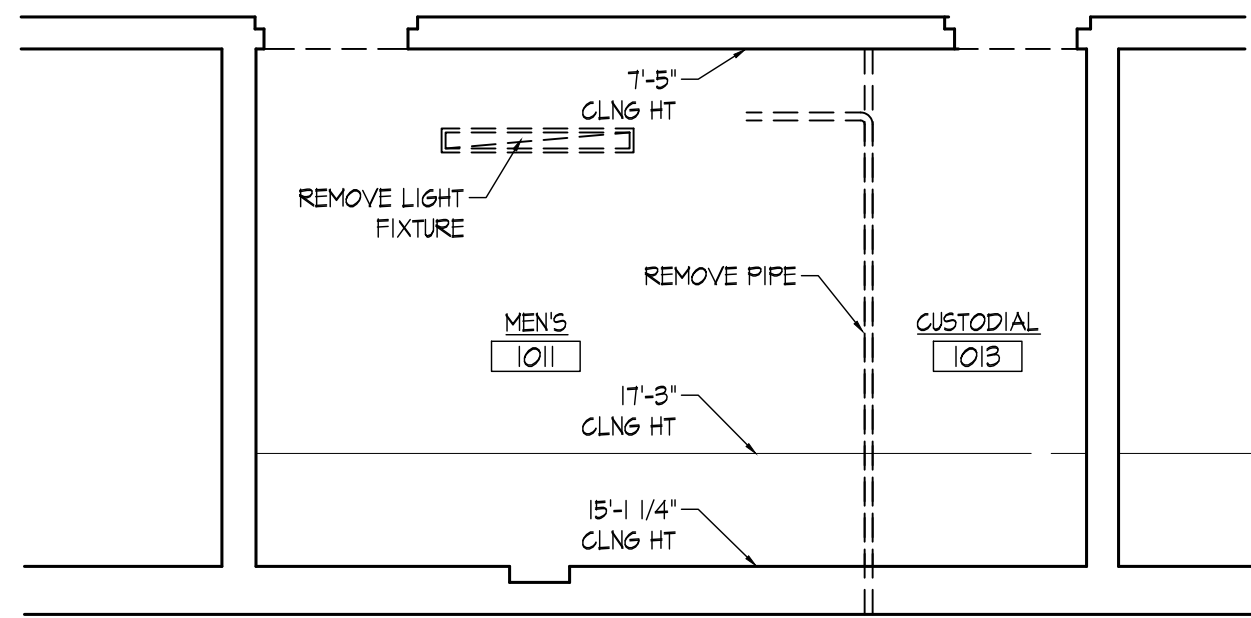
Keyplan



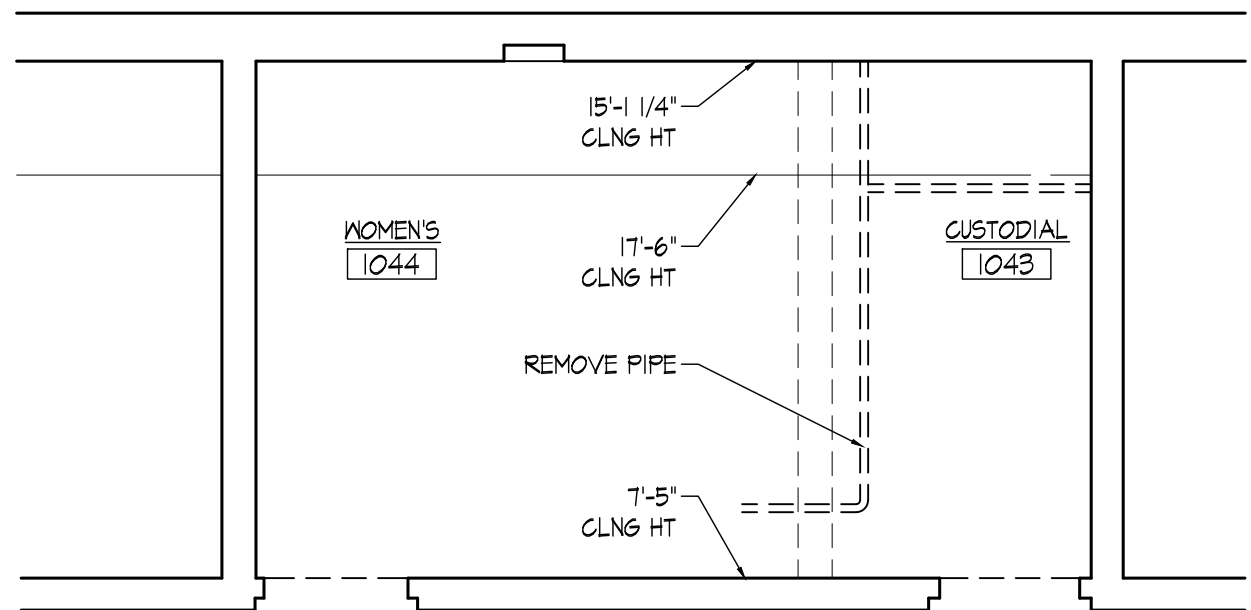
Title
PLANS
MUSIC BUILDING

Date	01-16-2020
Project No.	1944
Drawing By	SJ, CQ
CHK By	SN
Scale	AS NOTED

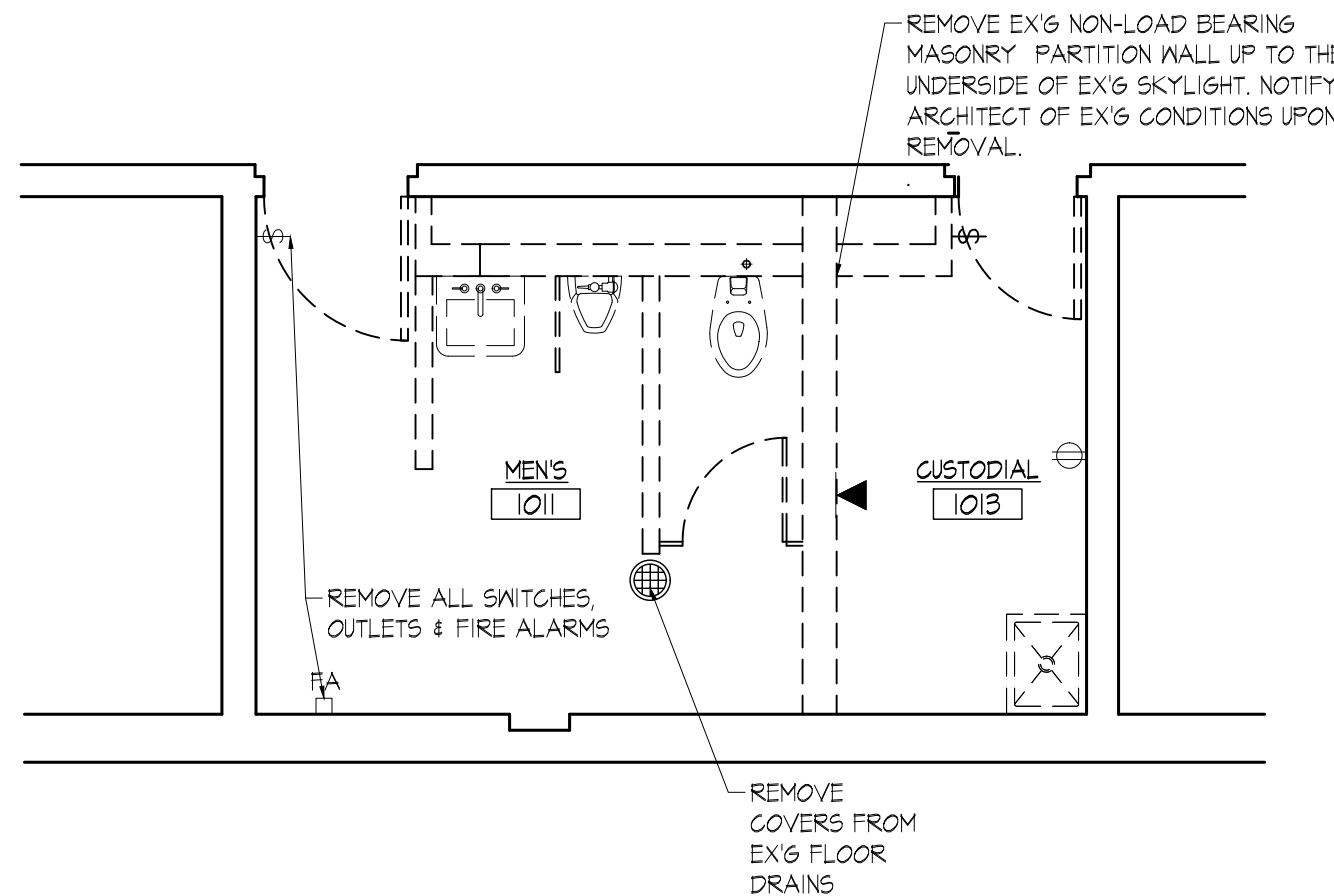
DOB Rev
A-101.00
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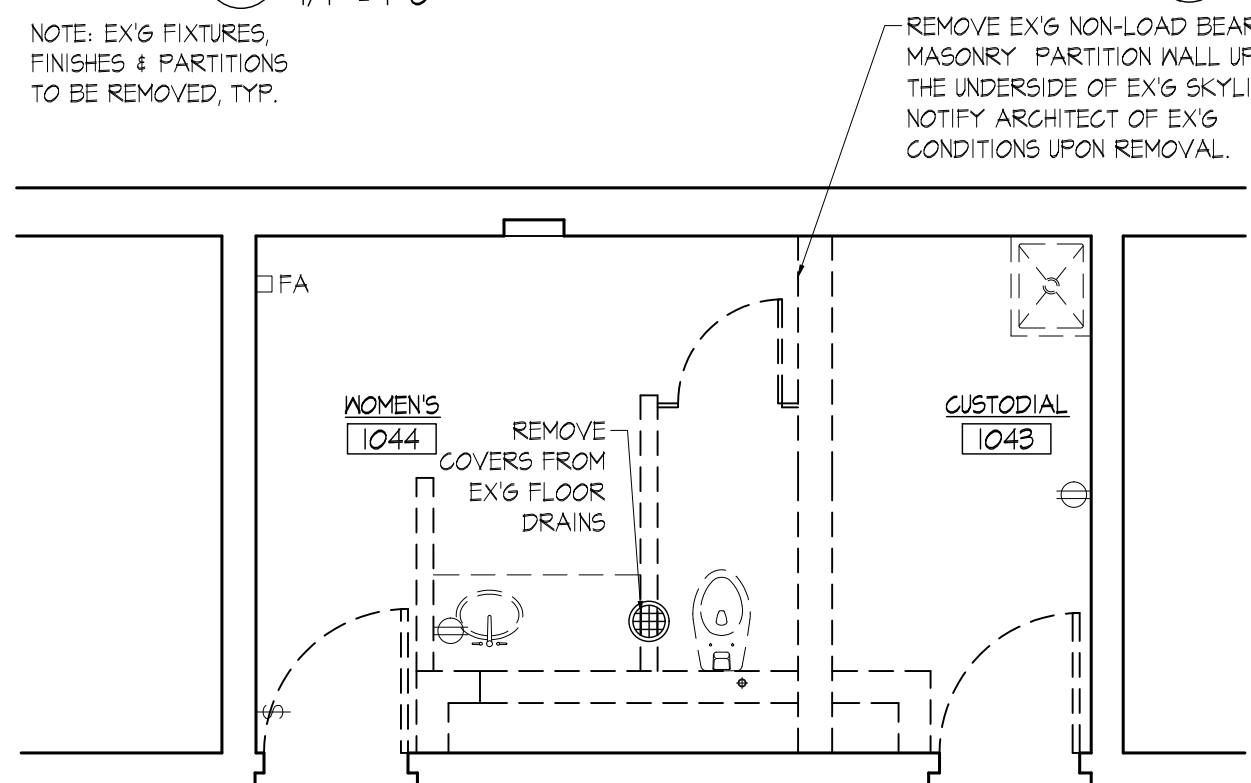
4B FIRST FLOOR MEN'S DEMOLITION RCP
1/4" = 1'-0"



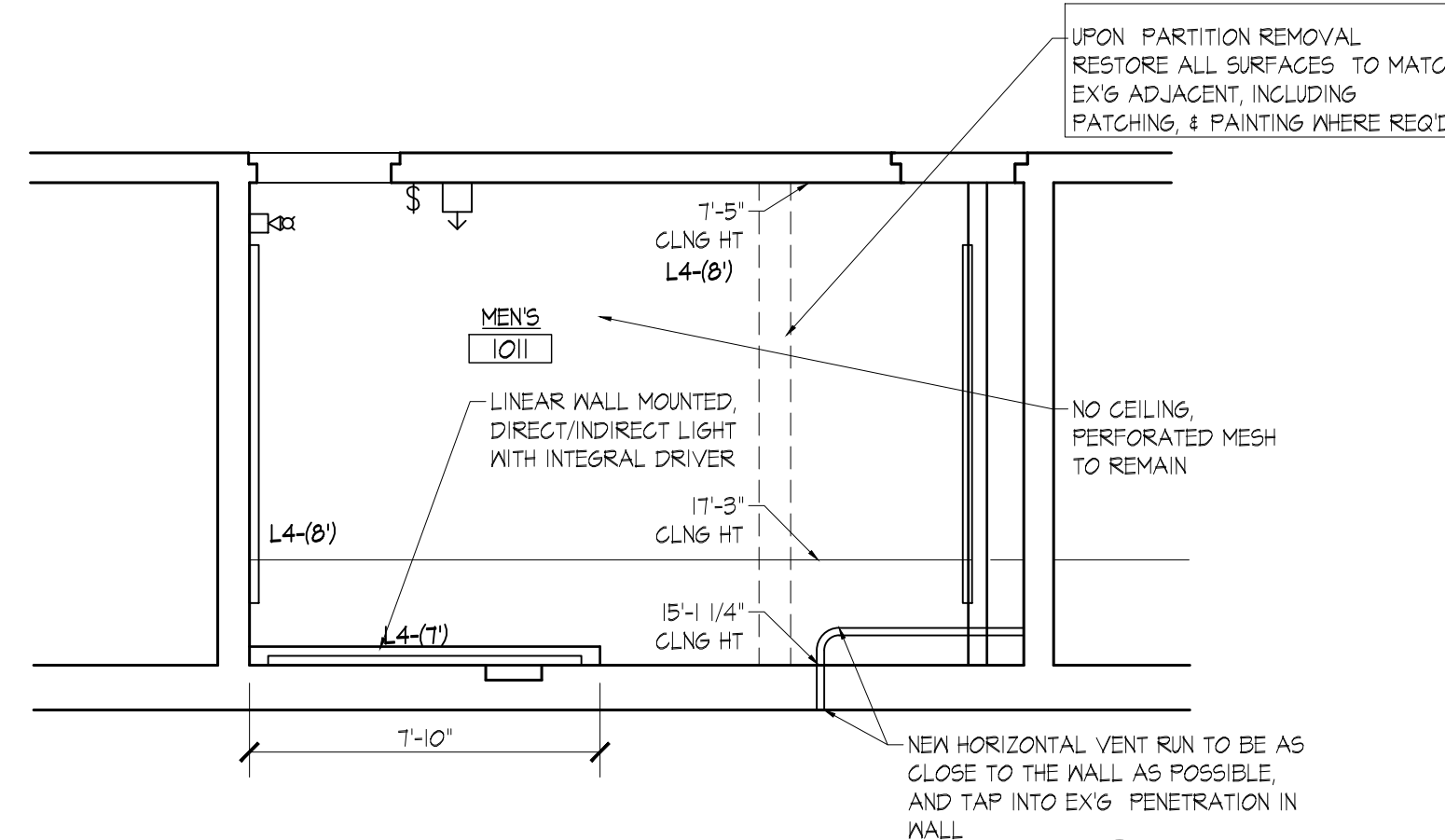
4A FIRST FLOOR WOMEN'S DEMOLITION RCP
1/4" = 1'-0"



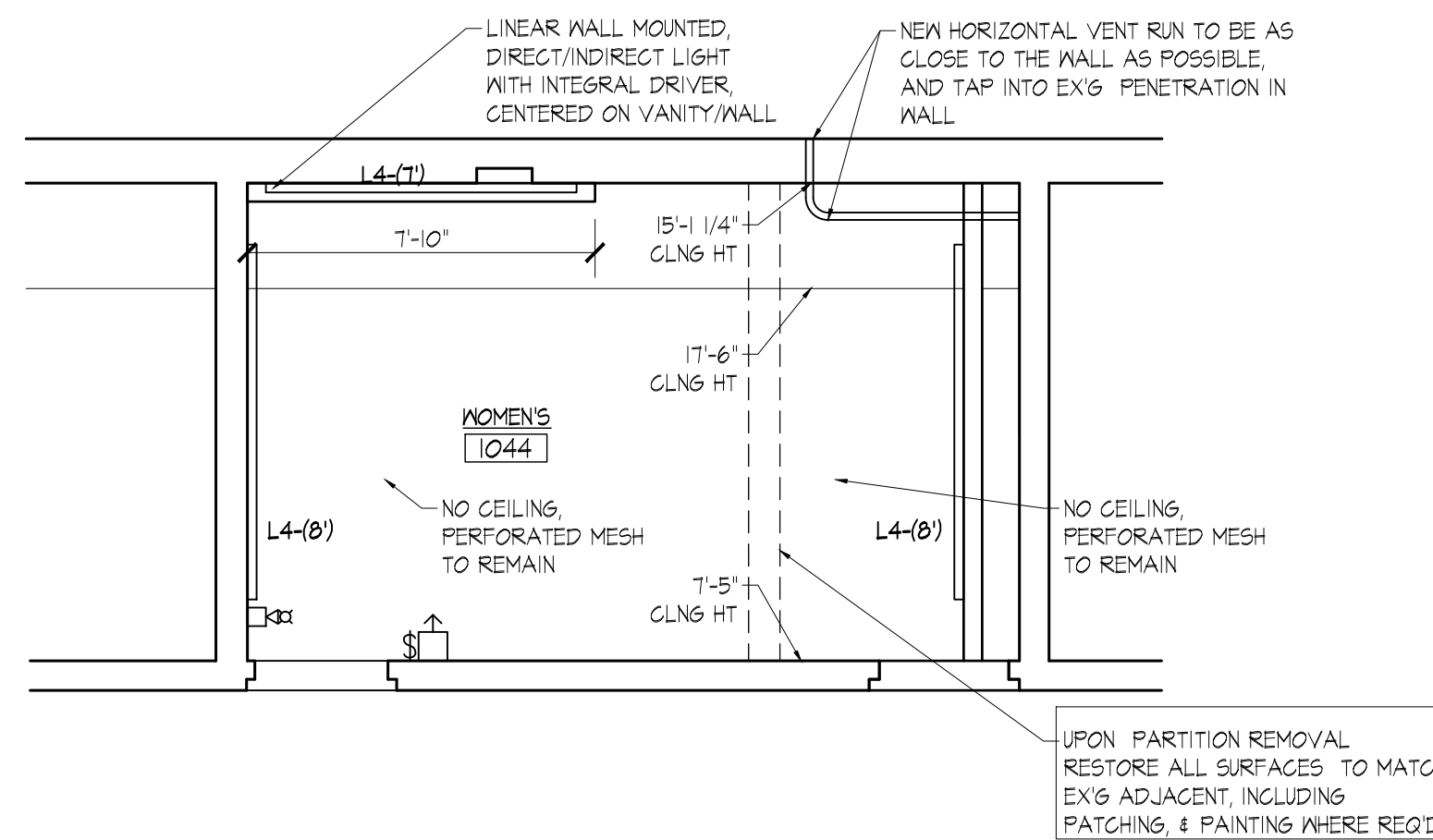
3B FIRST FLOOR MEN'S DEMOLITION PLAN
1/4" = 1'-0"



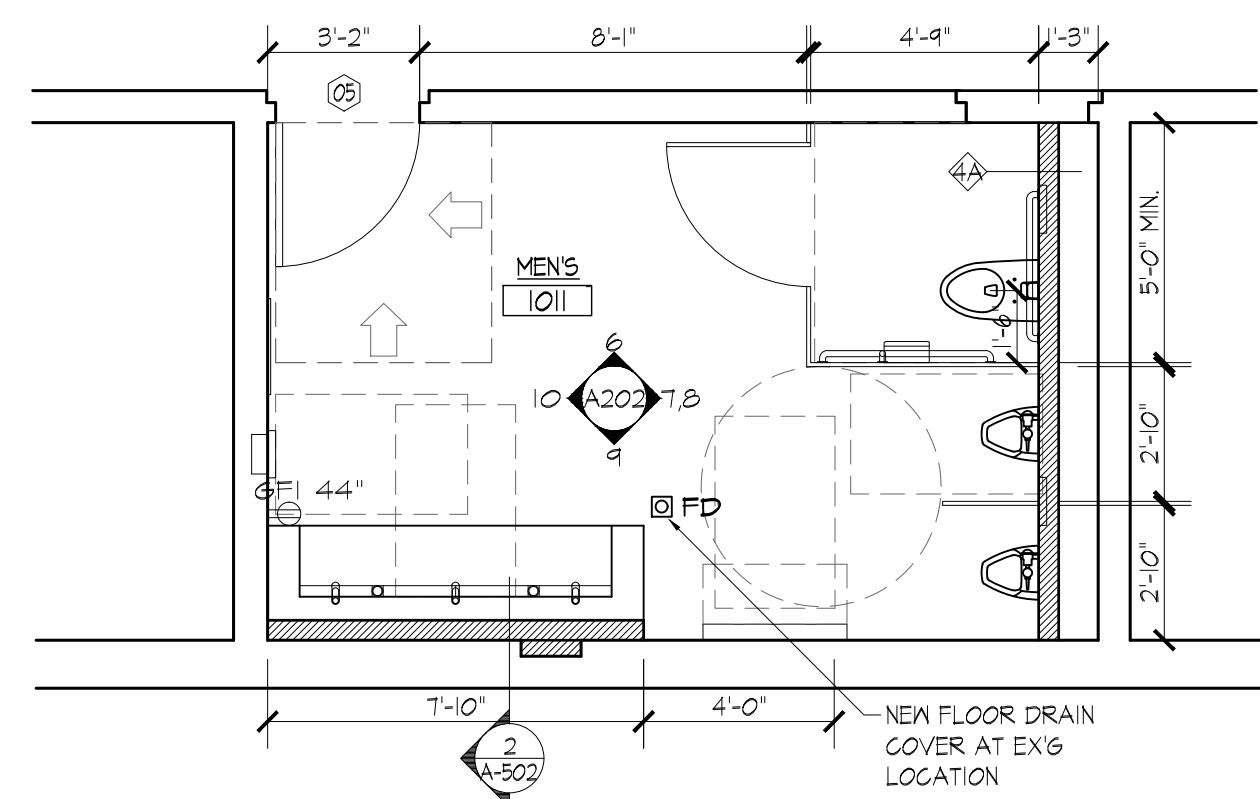
3A FIRST FLOOR WOMEN'S DEMOLITION PLAN
1/4" = 1'-0"



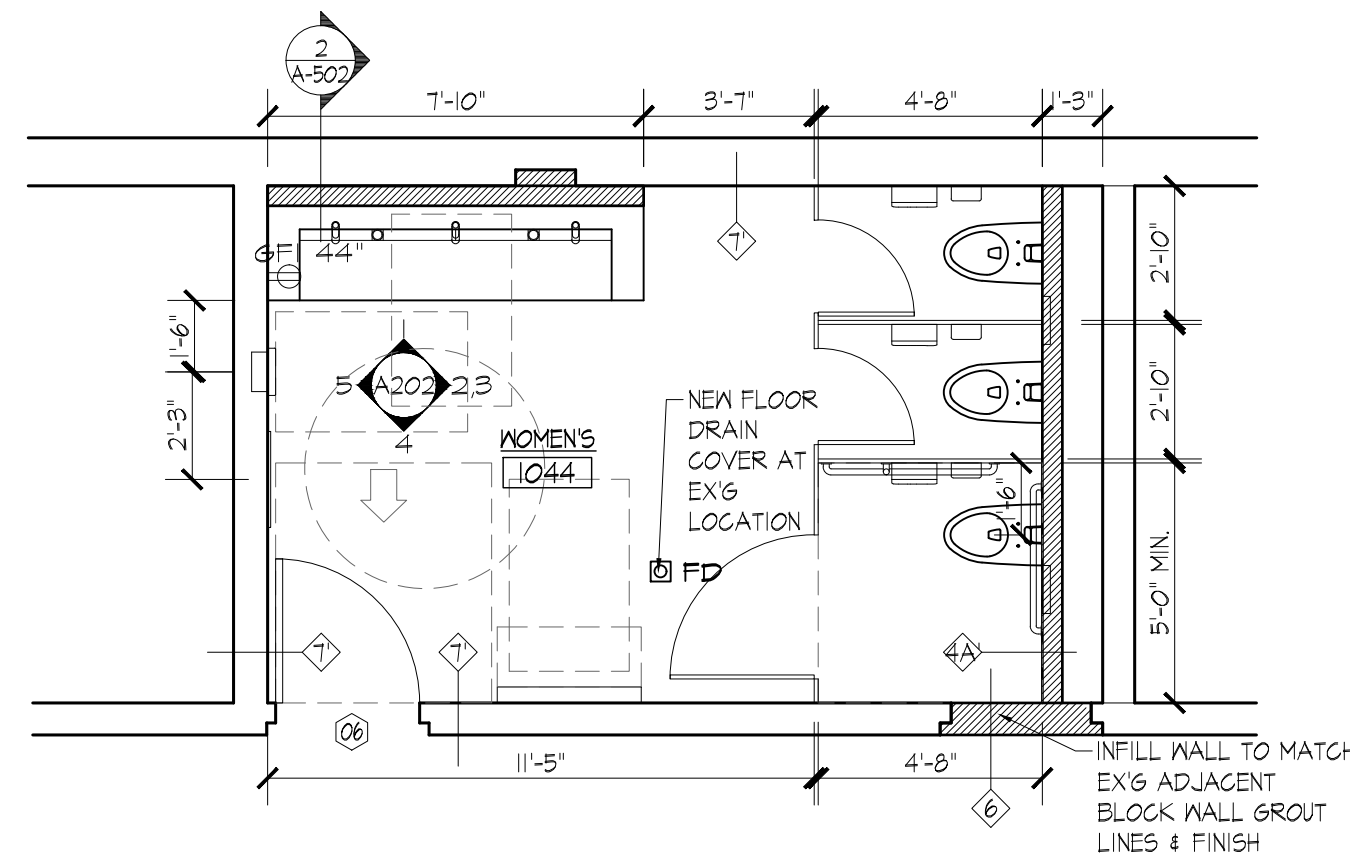
1A FIRST FLOOR MEN'S RCP
1/4" = 1'-0"



1A FIRST FLOOR WOMEN'S RCP
1/4" = 1'-0"



1B FIRST FLOOR MEN'S CONSTRUCTION PLAN
1/4" = 1'-0"



1A FIRST FLOOR WOMEN'S CONSTRUCTION PLAN
1/4" = 1'-0"

NOTES

- FOR PLAN RELATED NOTES INCLUDING DEMOLITION NOTES, RCP AND POWER DEMO NOTES, CONSTRUCTION PLAN NOTES, REFLECTED CEILING PLAN NOTES AND OTHER RELATED NOTES REFER TO SHEET A-101

UPON PARTITION REMOVAL RESTORE ALL SURFACES TO MATCH EX'G ADJACENT, INCLUDING PATCHING, & PAINTING WHERE REQ'D

NO CEILING, PERFORATED MESH TO REMAIN

NEW HORIZONTAL VENT RUN TO BE AS CLOSE TO THE WALL AS POSSIBLE, AND TAP INTO EX'G PENETRATION IN WALL

NEW HORIZONTAL VENT RUN TO BE AS CLOSE TO THE WALL AS POSSIBLE, AND TAP INTO EX'G PENETRATION IN WALL

UPON PARTITION REMOVAL RESTORE ALL SURFACES TO MATCH EX'G ADJACENT, INCLUDING PATCHING, & PAINTING WHERE REQ'D

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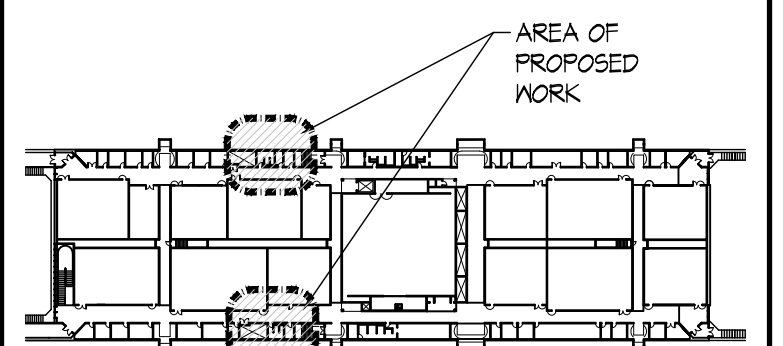
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Keyplan

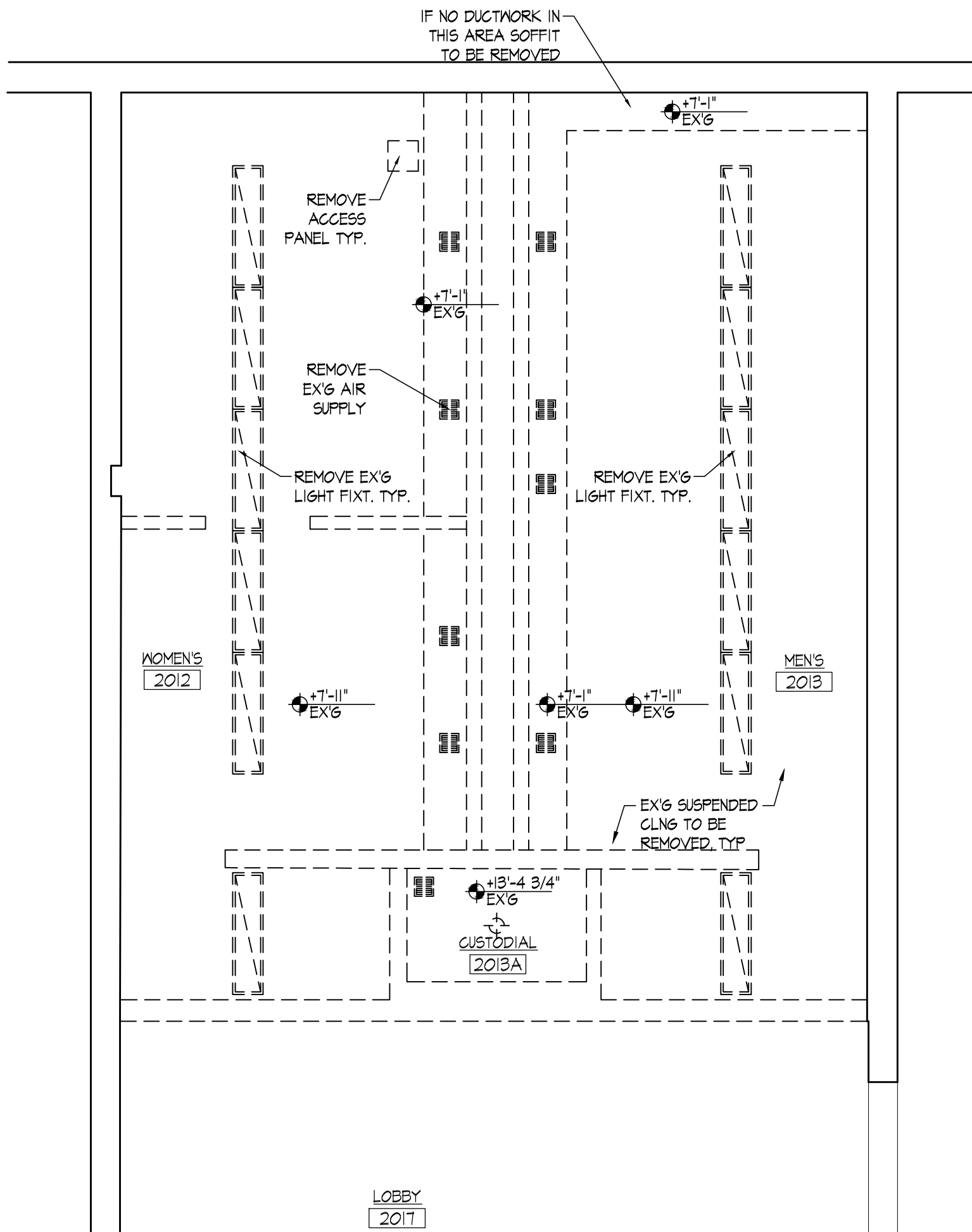


FIRST FLOOR PLAN

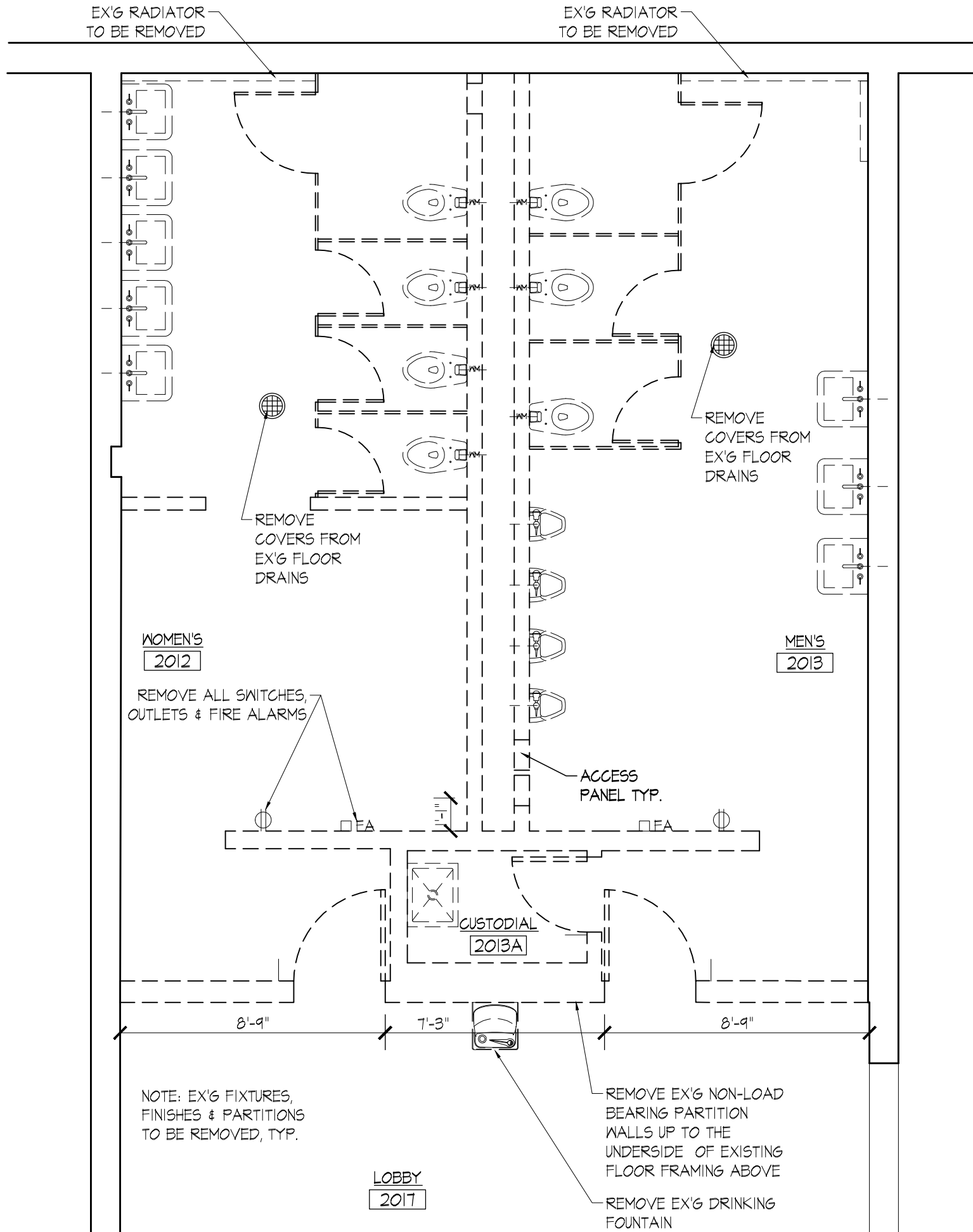
Title PLANS DANCE BUILDING

Date	01-16-2020
Project No.	1944
Drawing By	SJ, CQ
CHK By	SN
Scale	AS NOTED

DOB Rev
A-102.00
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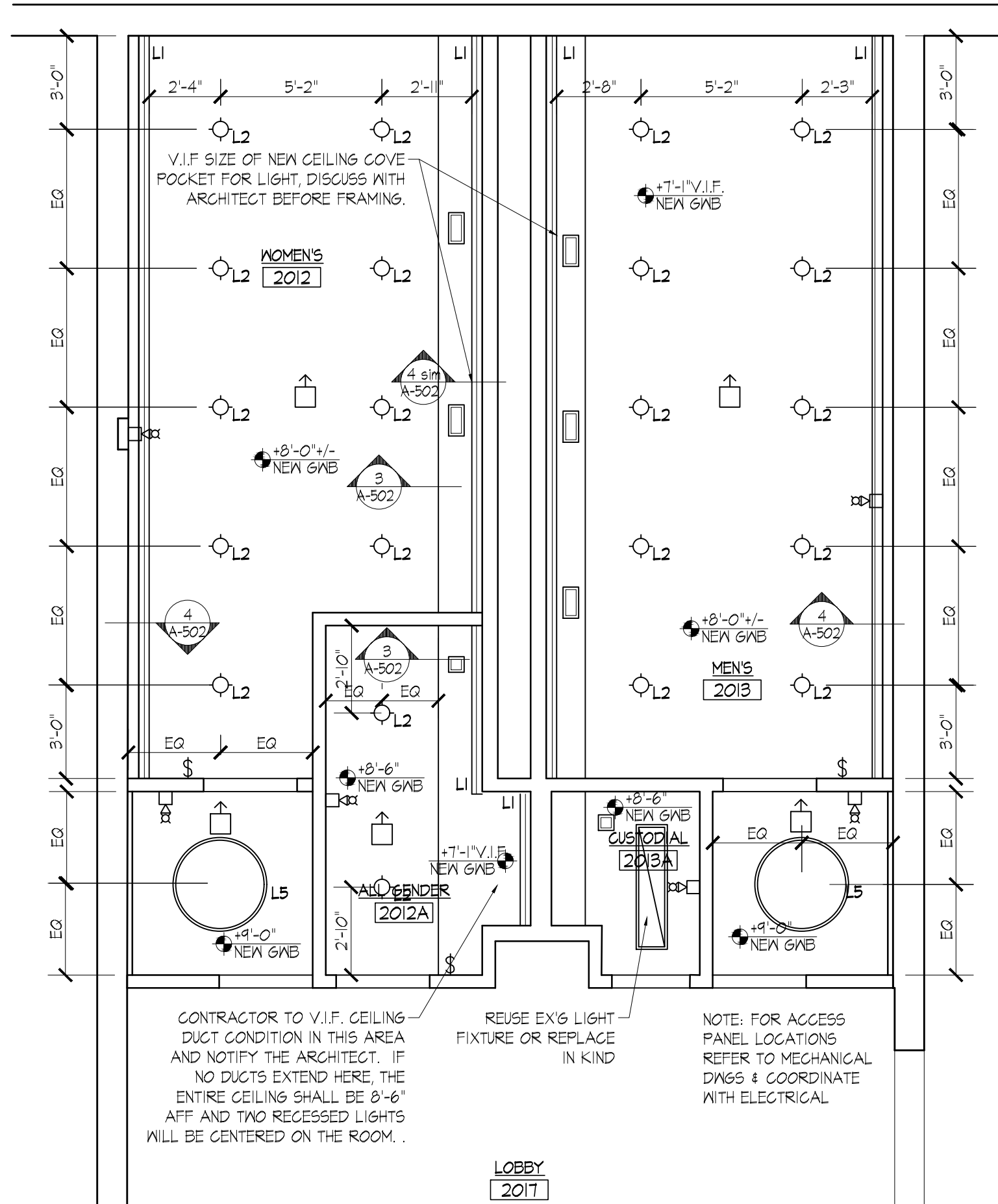


4 SECOND FLOOR DEMOLITION RCP
1/4" = 1'-0"

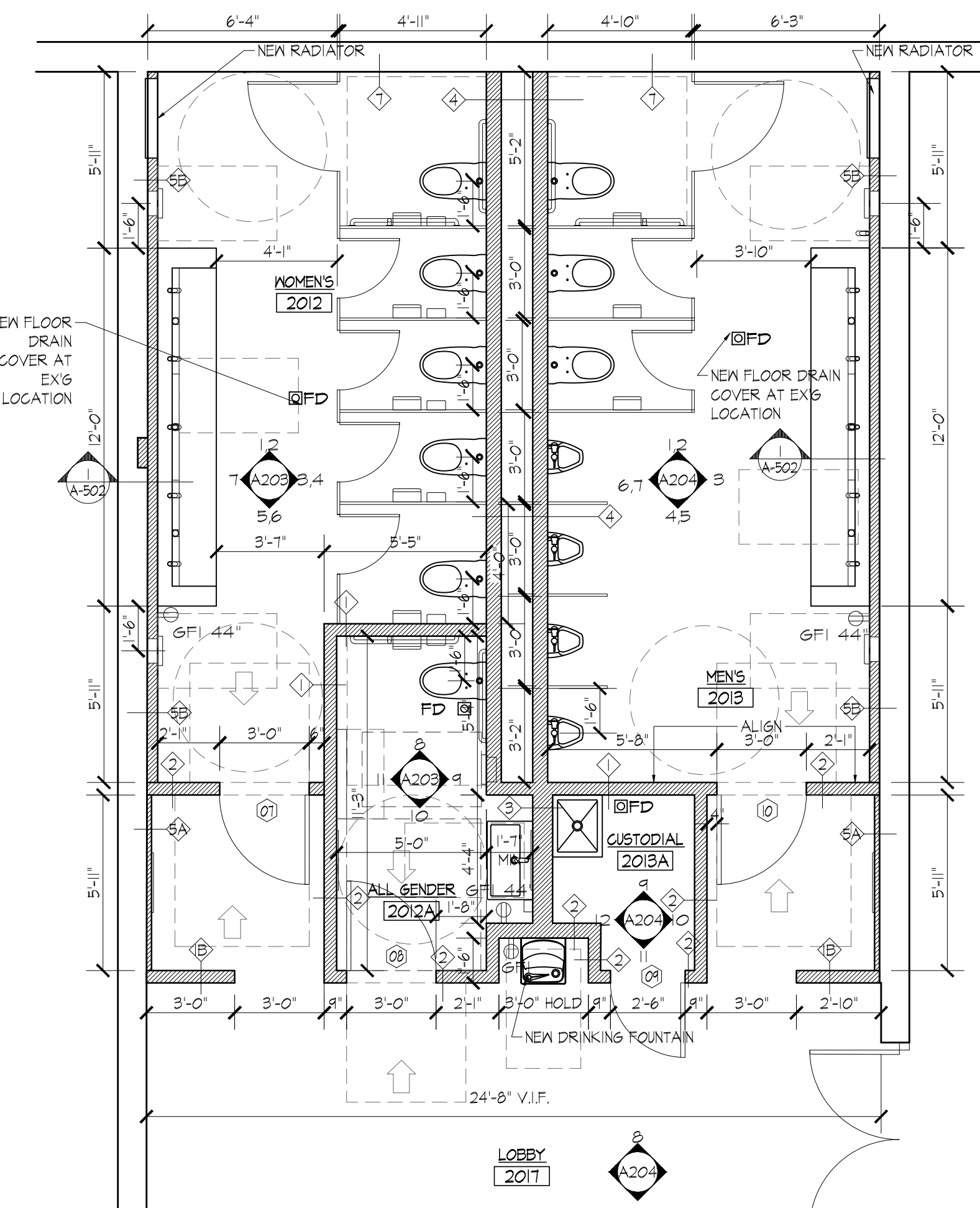


2 SECOND FLOOR DEMOLITION PLAN
1/4" = 1'-0"

NOTE: FOR FINAL ACCESS PANEL LOCATIONS WHERE REQUIRED, COORDINATE WITH MEP, TYP.



3 SECOND FLOOR RCP
1/4" = 1'-0"



1 SECOND FLOOR CONSTRUCTION PLAN
1/4" = 1'-0"

NOTES

- I. FOR PLAN RELATED NOTES INCLUDING DEMOLITION NOTES, RCP AND POWER DEMO NOTES, CONSTRUCTION PLAN NOTES, REFLECTED CEILING PLAN NOTES AND OTHER RELATED NOTES REFER TO SHEET A-101

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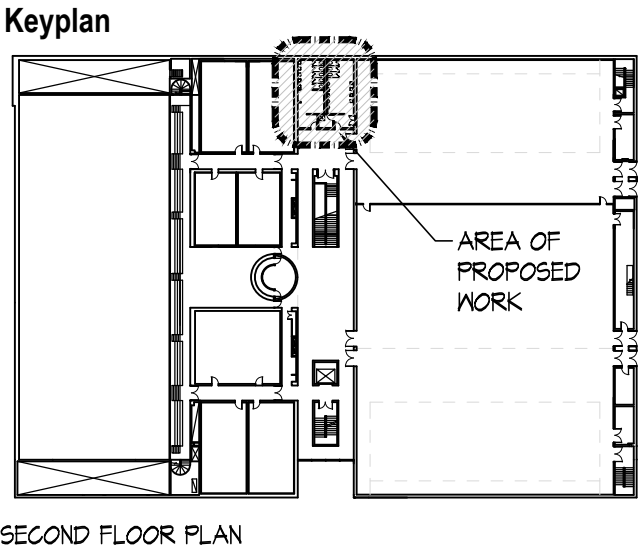
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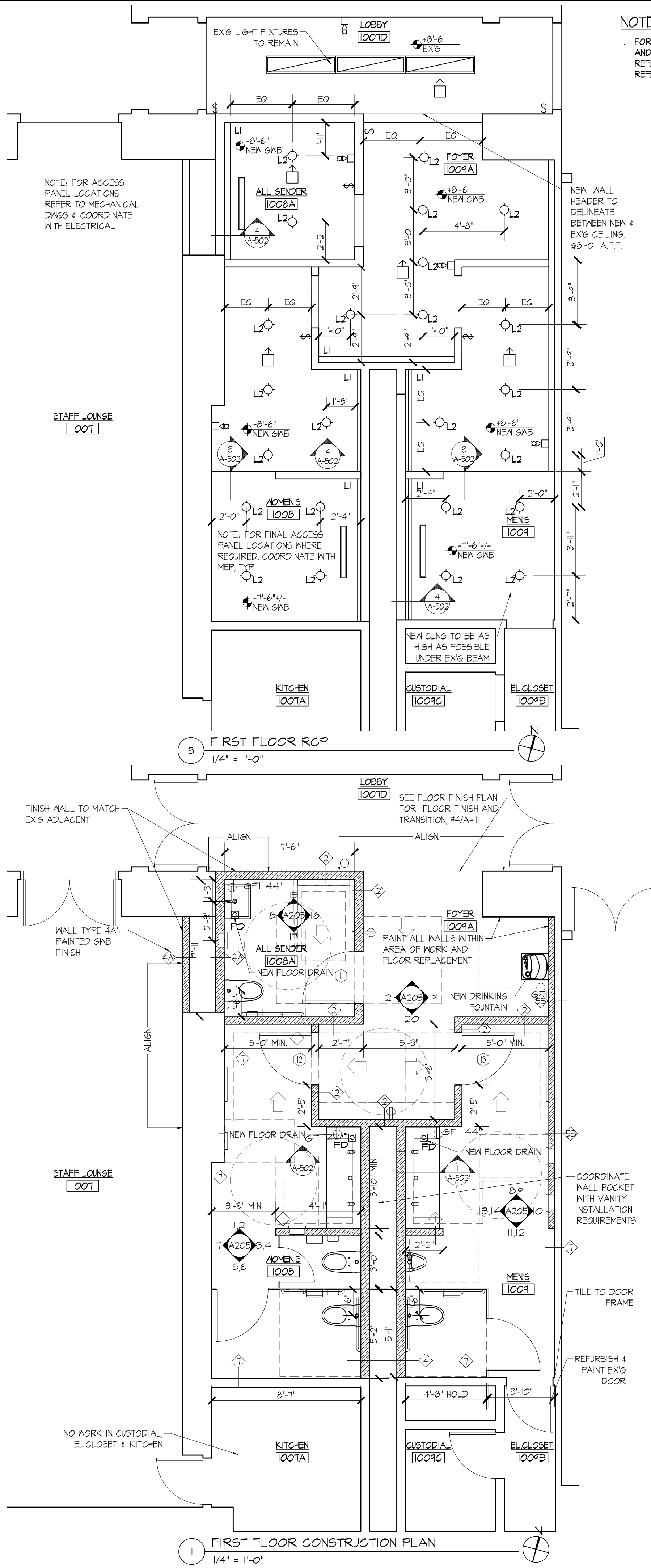
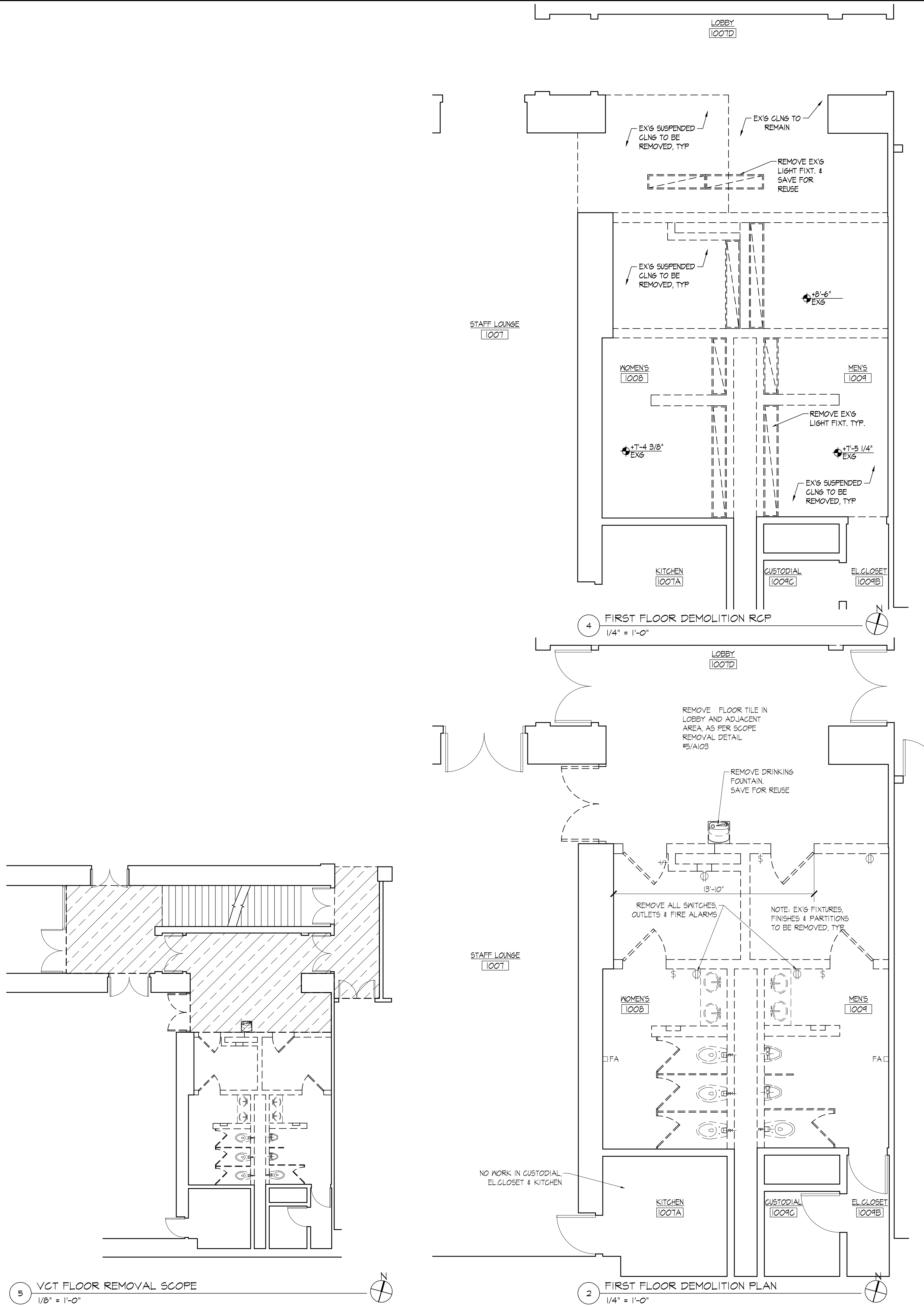


SECOND FLOOR PLAN

PLANS
PHYSICAL EDUCATION

Date	01-16-2020
Project No.	1944
Drawing By	SJ, CQ
CHK By	SN
Scale	AS NOTED

DOB Rev
A-103.00
#



NOTES

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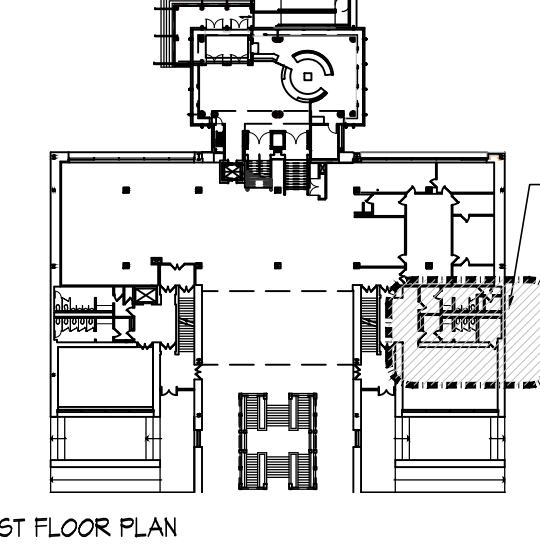
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Keyplan



FIRST FLOOR PLAN

Title
**PLANS
LIBRARY BUILDING**

Date	01-16-2020
Project No.	1944
Drawing By	SJ, CQ
CHK By	SN
Scale	AS NOTED

DOB Rev
A-104.00
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FINISH NOTES

1. NO LESS THAN HALF TILE AT EDGES AND CORNERS. LAYOUTS TO BE PREVIOUSLY CONFIRMED BY ARCHITECT, TYP.
2. FOR FINISH NOTES AND LEGEND REFER TO SHEET A-601
3. FOR ELEVATIONS REFER TO SHEETS A201-205

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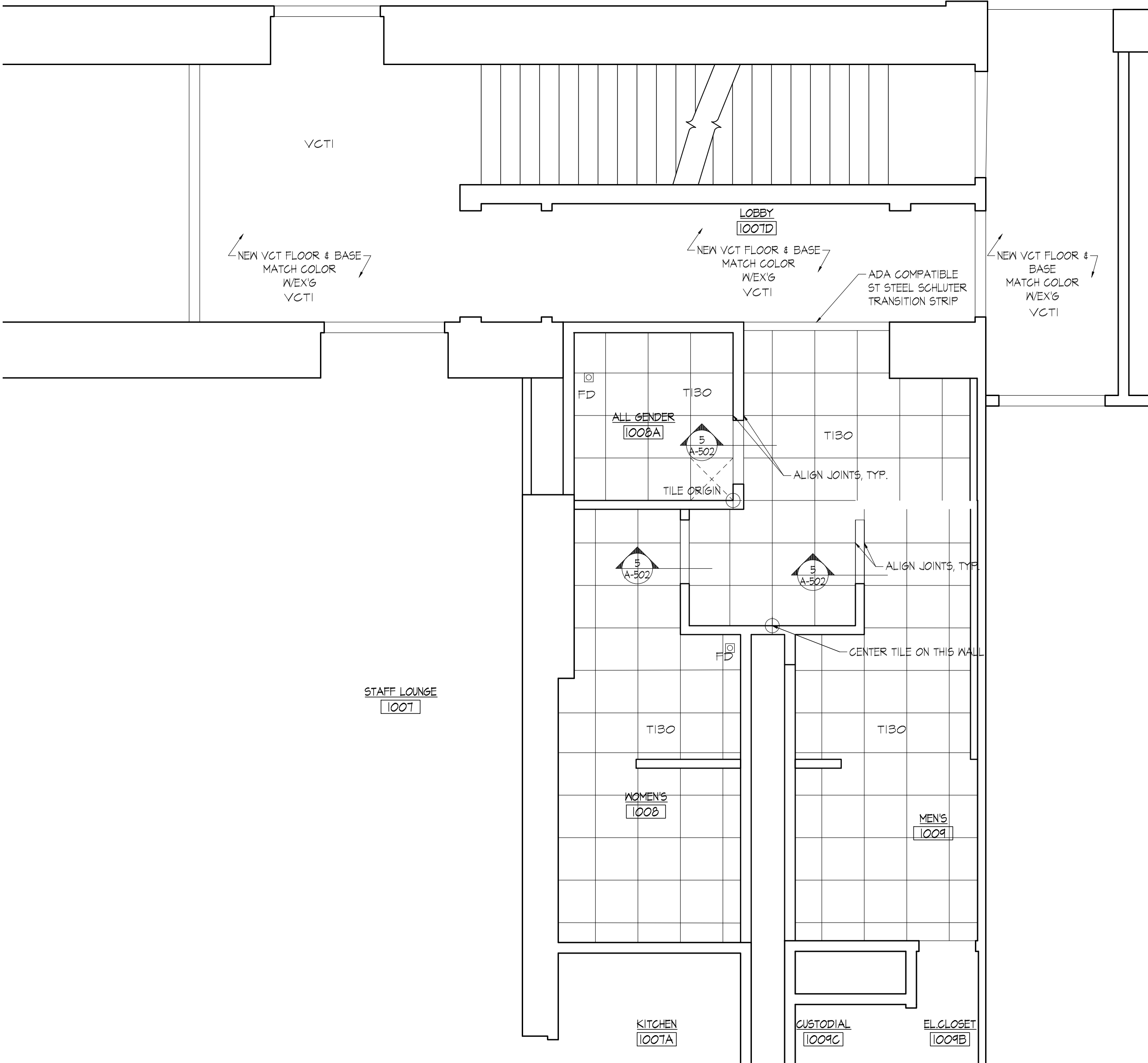
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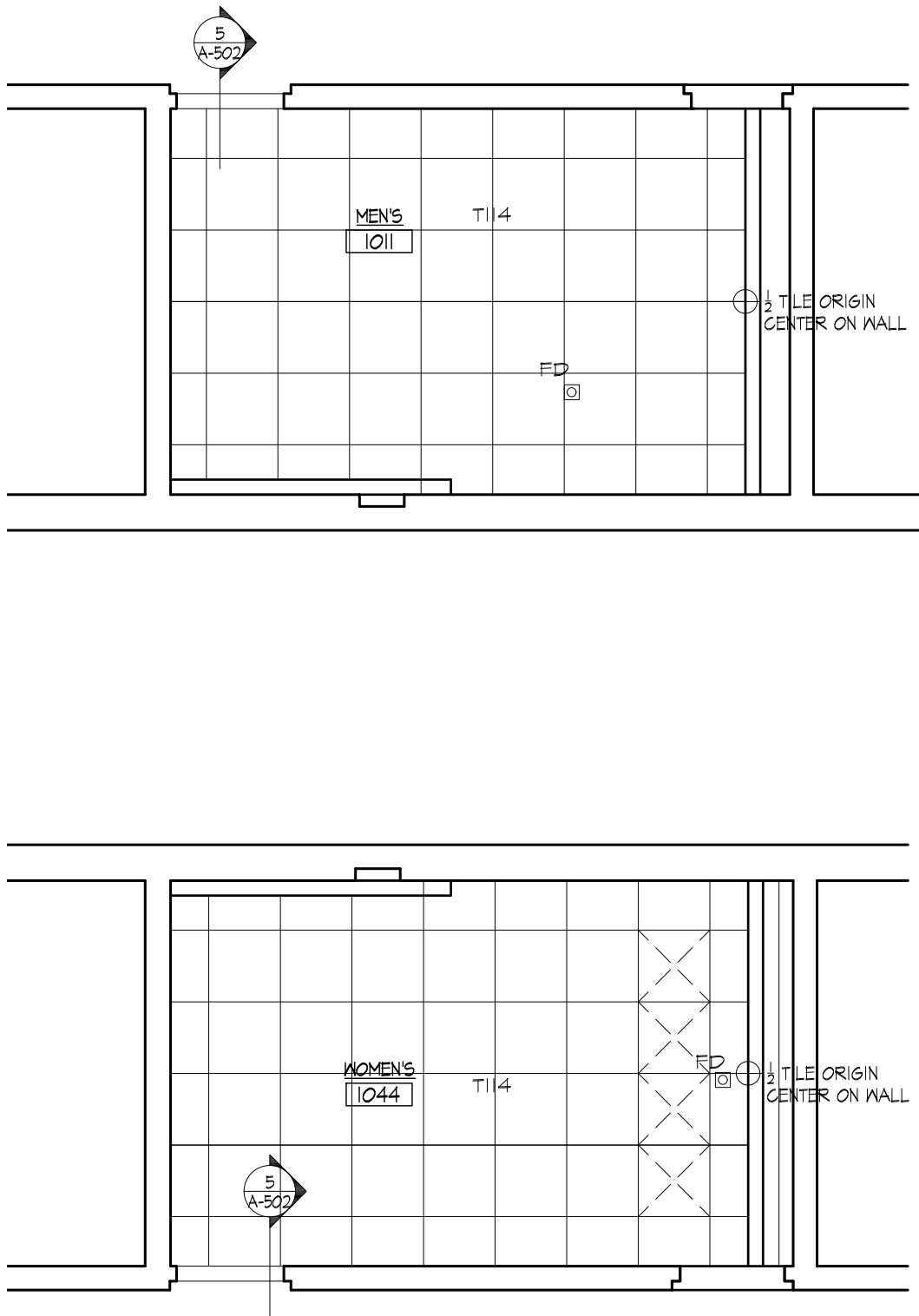
Title
FLOOR FINISH PLANS

Date	01-16-2020
Project No.	1944
Drawing By	SJ, CQ
CHK By	SN
Scale	AS NOTED

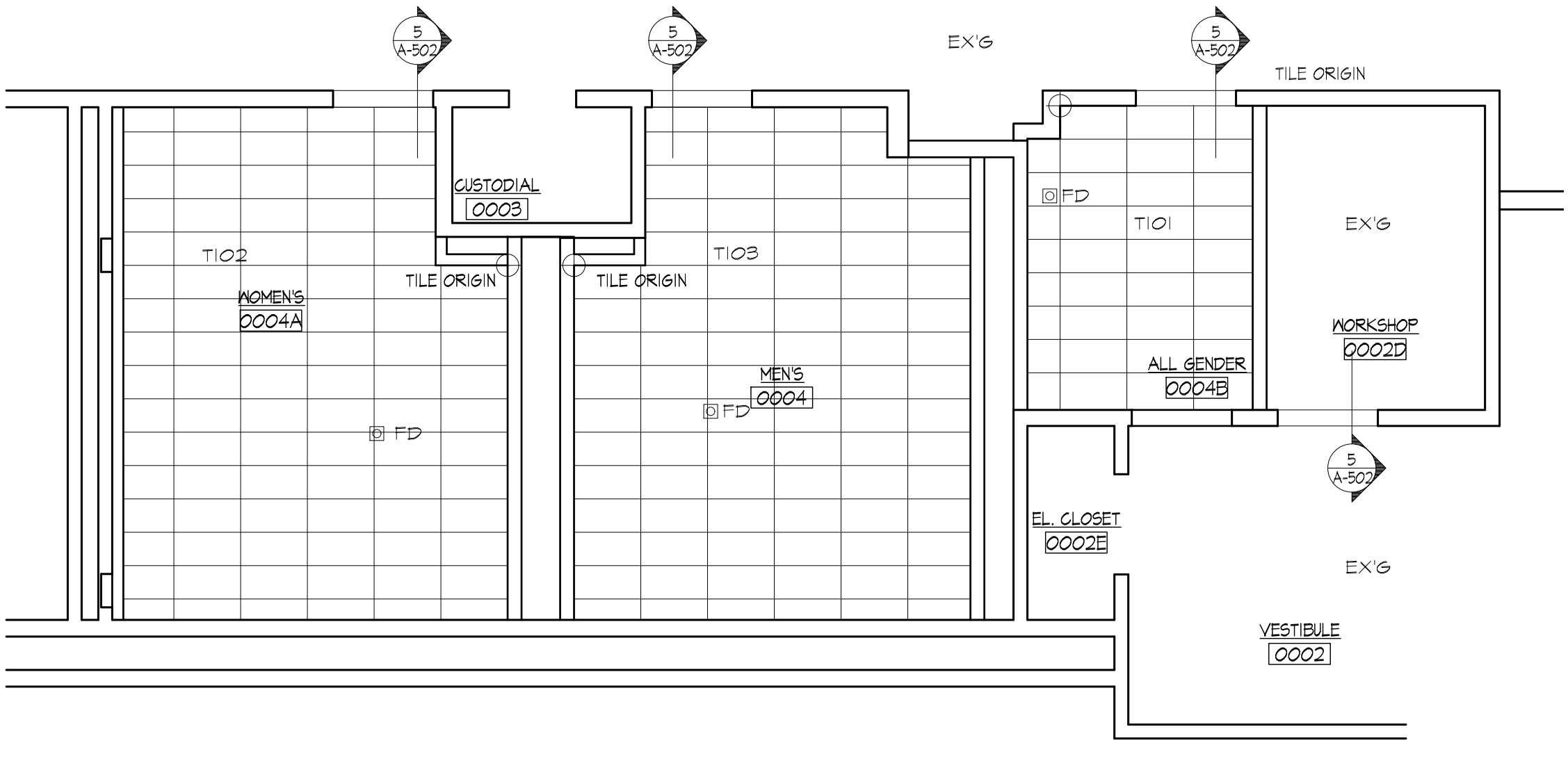
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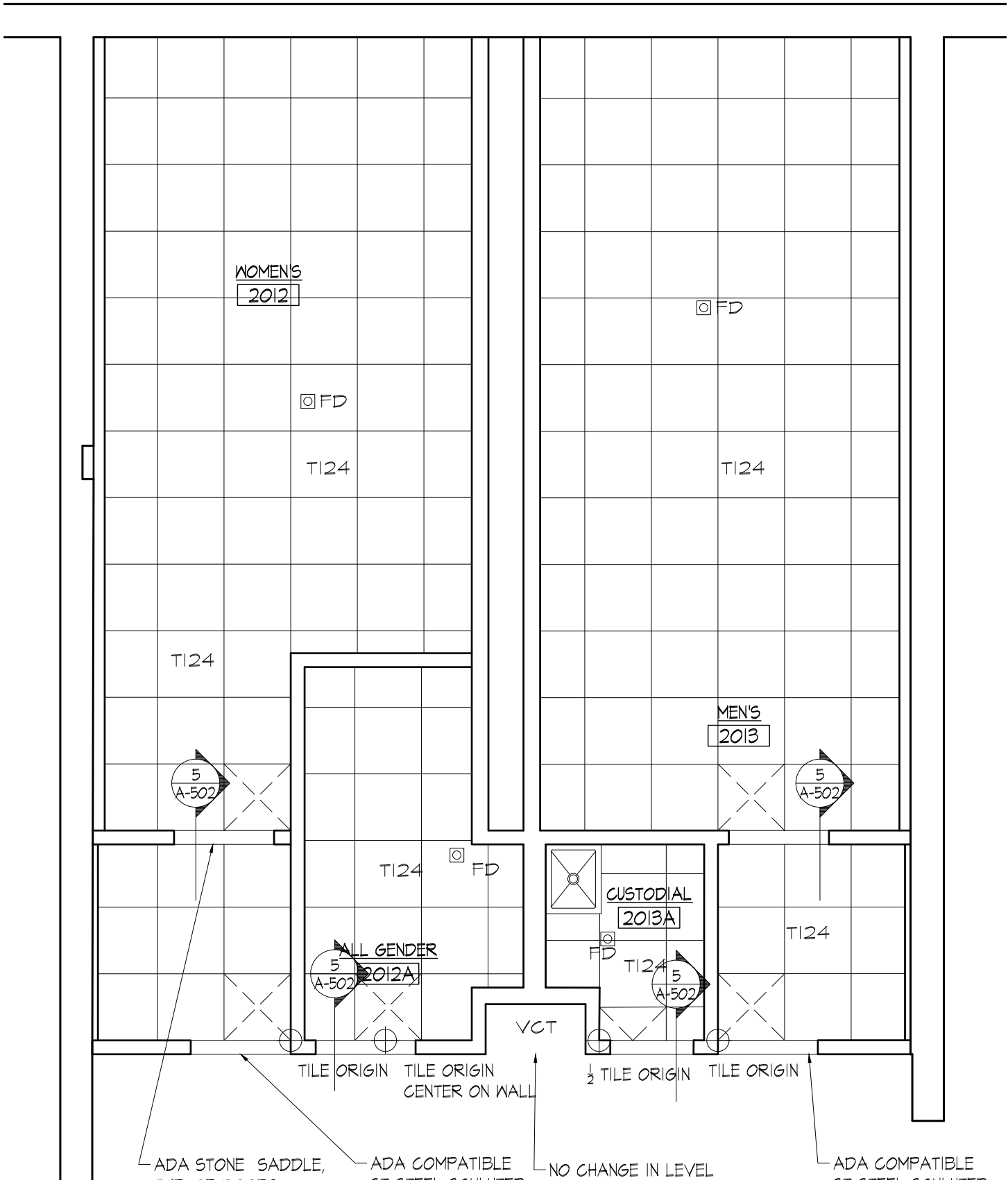
4 LIBRARY FIRST FLOOR
1/4" = 1'-0"



2 DANCE BUILDING FIRST FLOOR
1/4" = 1'-0"



1 MUSIC BUILDING BASEMENT
1/4" = 1'-0"



3 PHYSICAL EDUCATION SECOND FLOOR
1/4" = 1'-0"

ELEVATION NOTES:

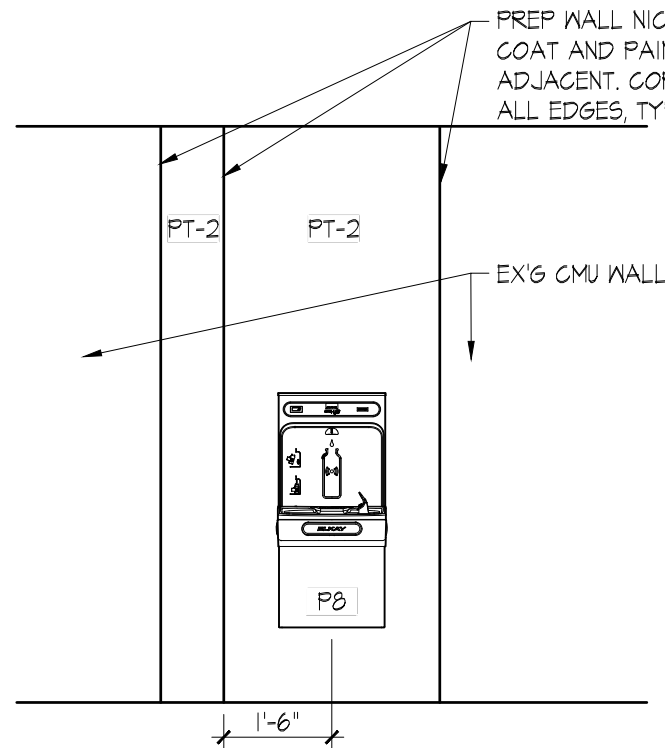
1. CONVENIENCE GFCI OUTLETS TO BE LINED WITH THE MIRROR EDGE @ 3'-3 1/8" A.F.F. AND TO CLEAR VANITY / MIRROR, TYP.

2. SOAP DISPENSER OUTLETS TO BE HIDDEN BEHIND THE VANITY COVERS, COORDINATE WITH MANUFACTURER'S INSTRUCTIONS

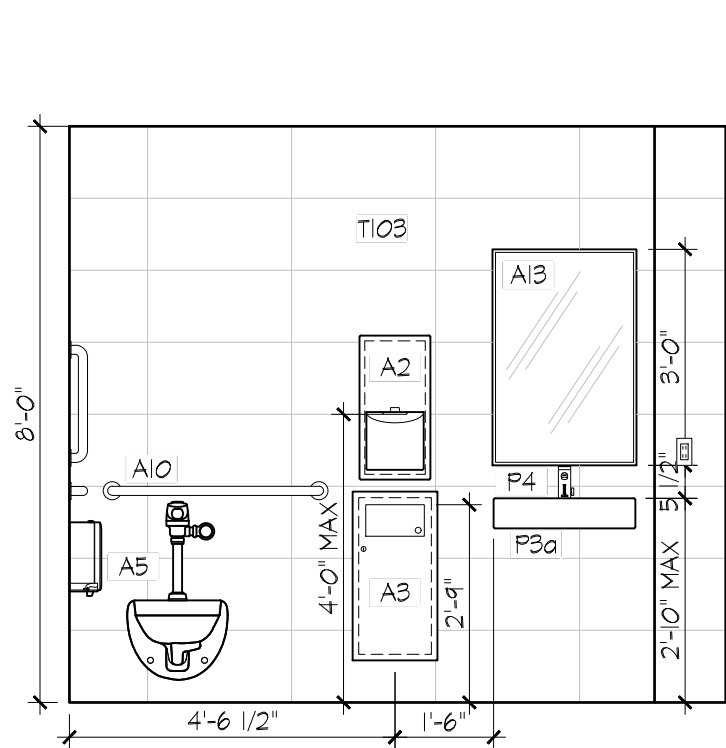
3. TILE LAYOUTS MUST BE CONFIRMED PRIOR TO INSTALLATION

4. MOUNTING HEIGHT AND PLACEMENT OF PLUMBING FIXTURES, TOILET ACCESSORIES, AND DOOR CLEARANCES MUST BE ADA COMPLIANT. REFER TO REQUIREMENTS NOTED ON SHEETS A-003 AND A-004. IF ANY DIMENSION SHOWN ON ELEVATIONS CONTRADICTS ADA DETAILS ON SHEETS A-003, A-004 AND A-005 CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY.

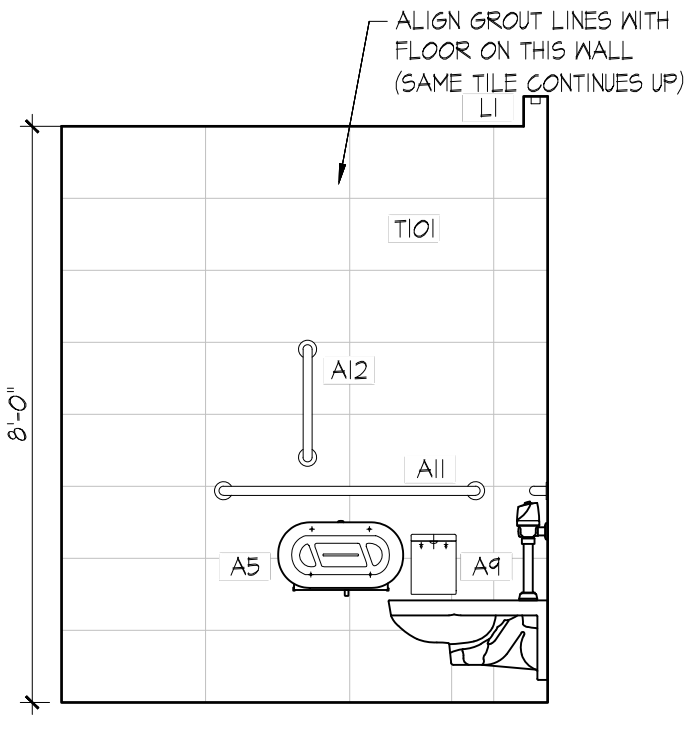
5. ALL ADA DIMENSIONS, HEIGHTS AND CLEARANCES OF FIXTURES AND ACCESSORIES, DOOR AND REACH CLEARANCES SHALL HOLD UP TO MIN OR MAX DIMENSION PROVIDED, NO TOLERANCES.



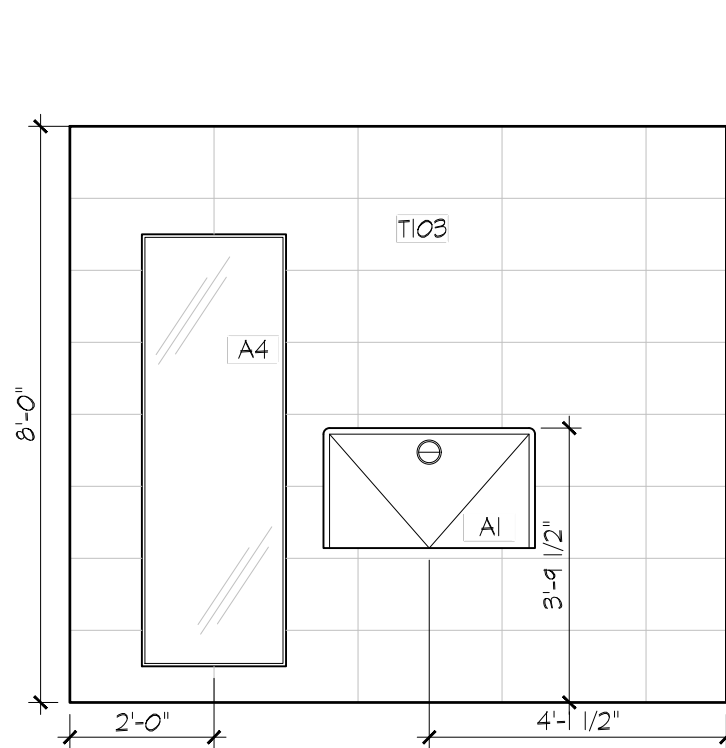
16 CORRIDOR WEST
3/8" = 1'-0"



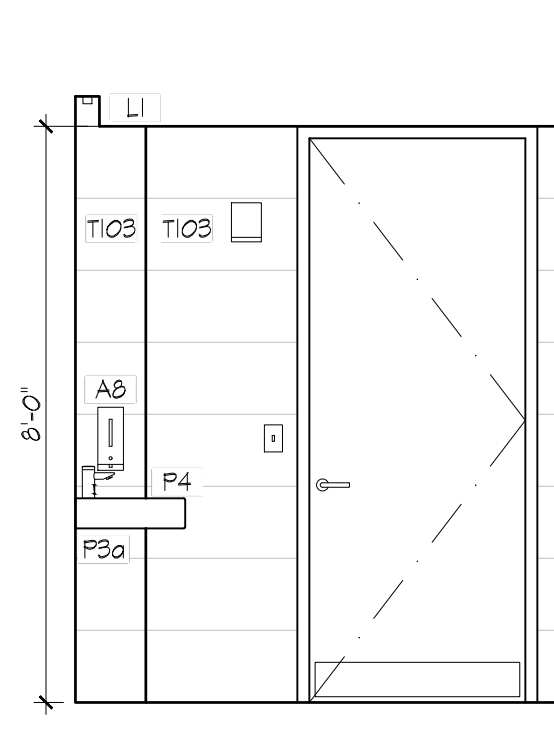
15 ALL GENDER 0004B NORTH
3/8" = 1'-0"



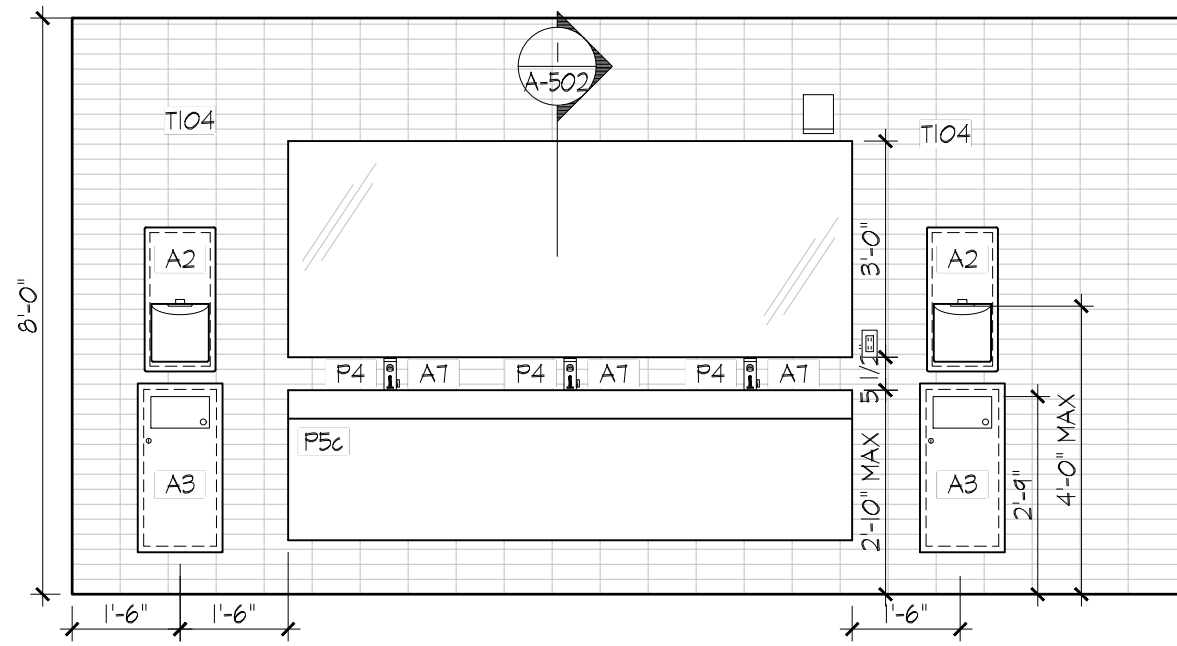
14 ALL GENDER 0004B WEST
3/8" = 1'-0"



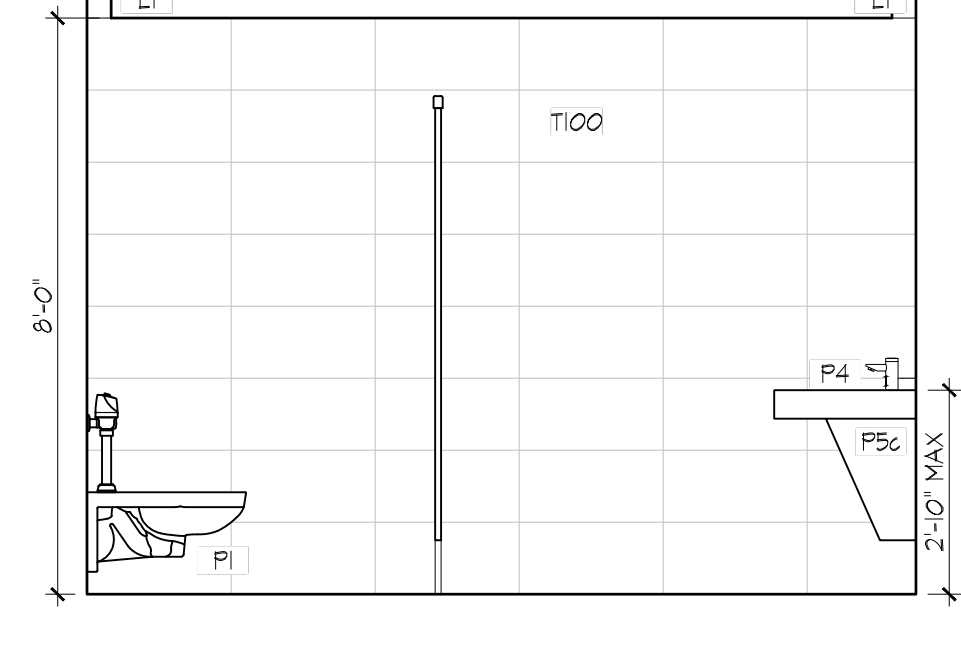
13 ALL GENDER 0004B SOUTH
3/8" = 1'-0"



12 ALL GENDER 0004B EAST
3/8" = 1'-0"



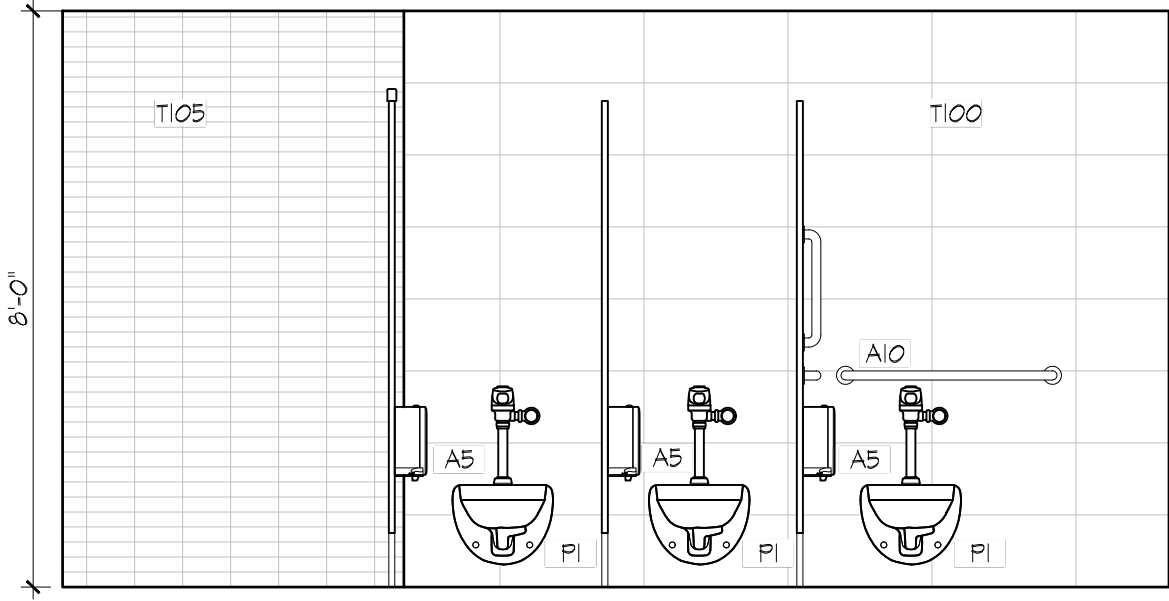
11 WOMEN'S 0004A NORTH
3/8" = 1'-0"



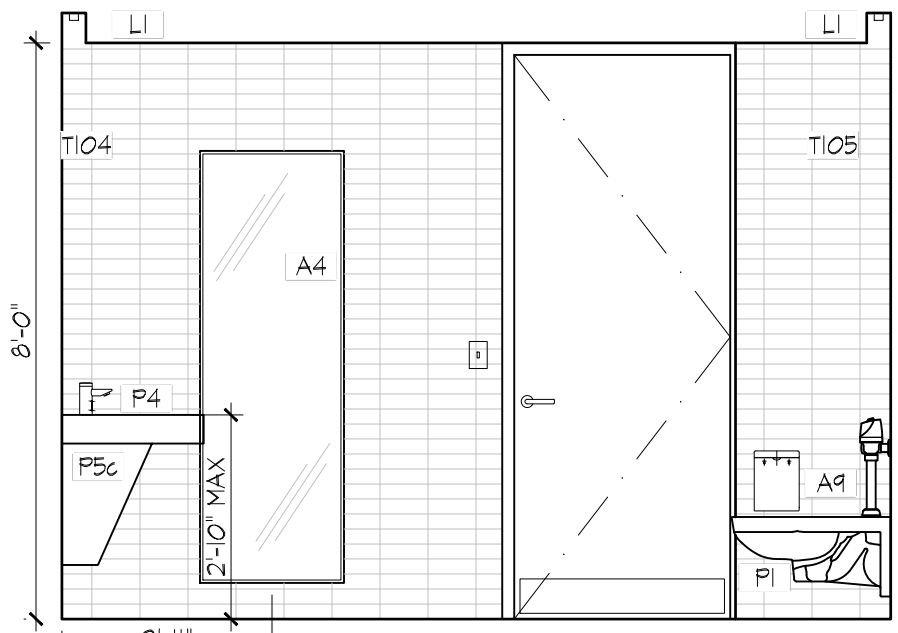
10 WOMEN'S 0004A WEST
3/8" = 1'-0"



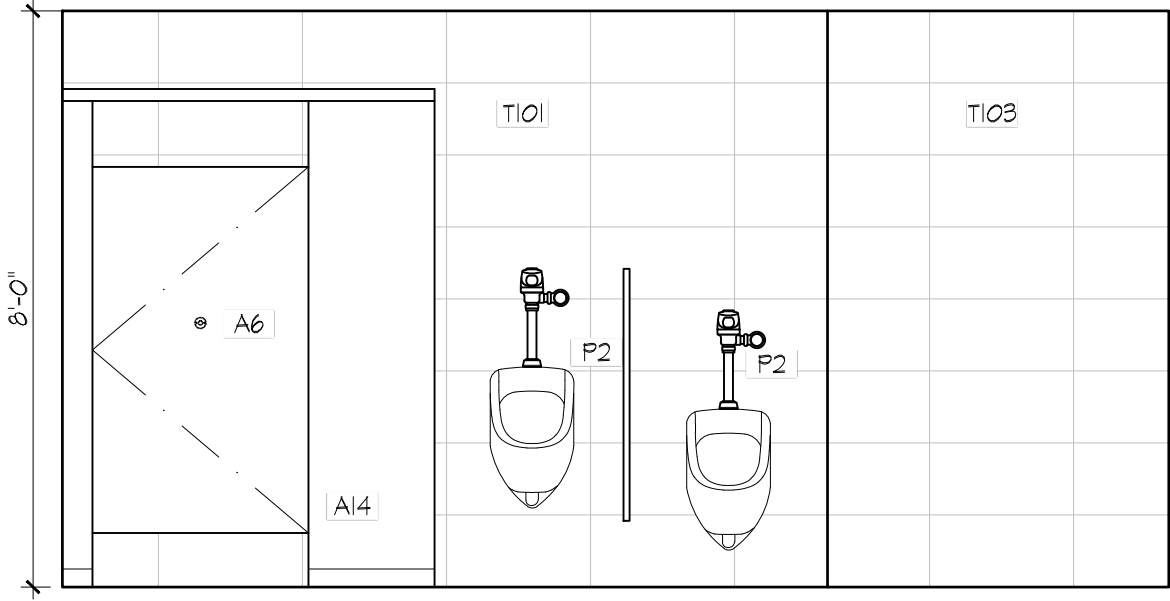
9 WOMEN'S 0004A SOUTH
3/8" = 1'-0"



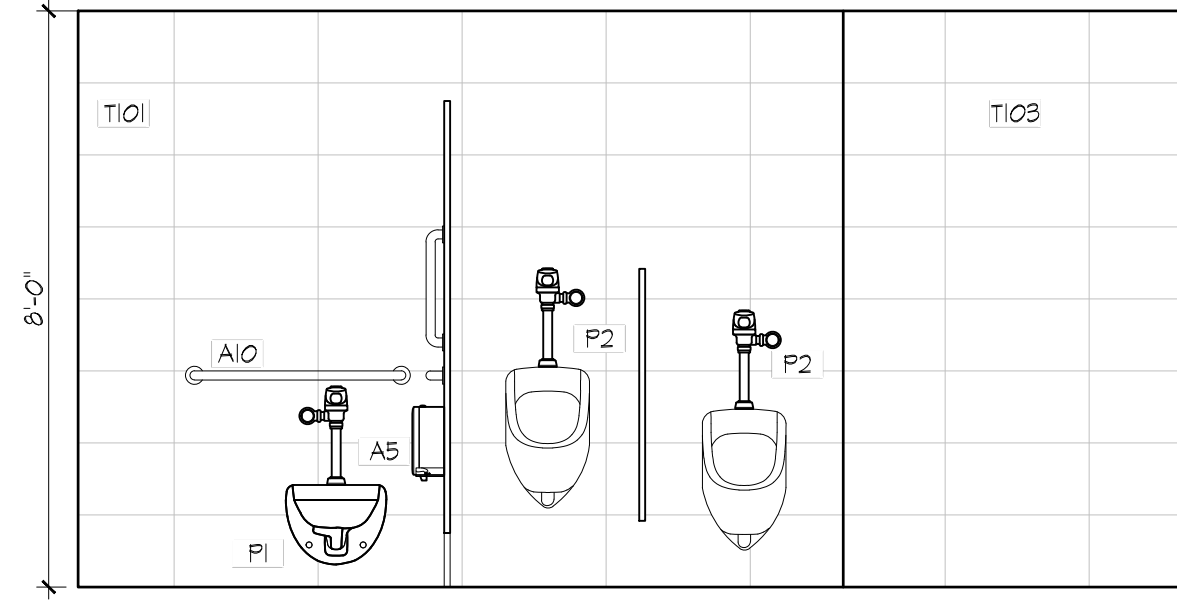
8 WOMEN'S 0004A SOUTH
3/8" = 1'-0"



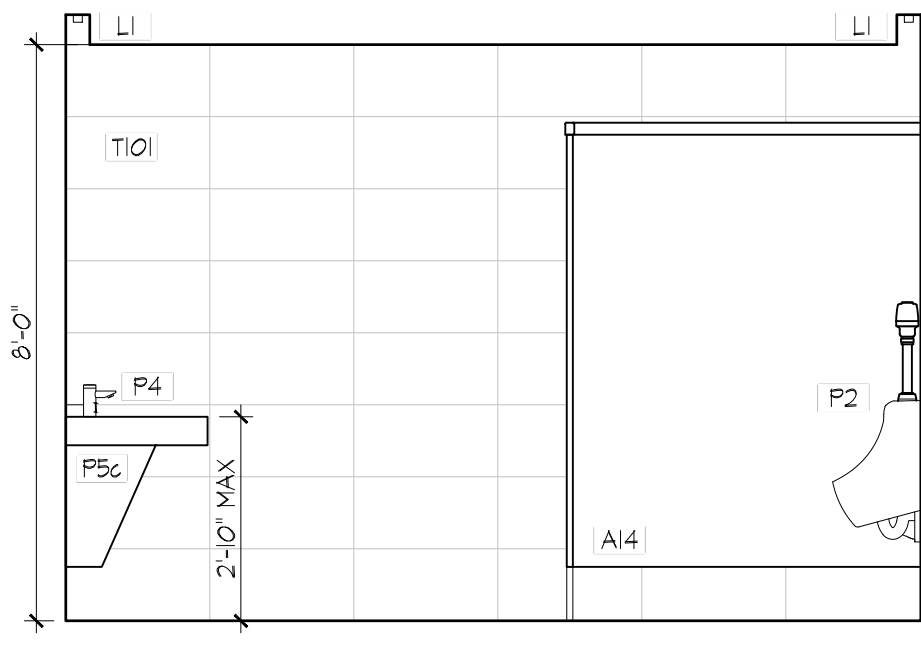
7 WOMEN'S 0004A EAST
3/8" = 1'-0"



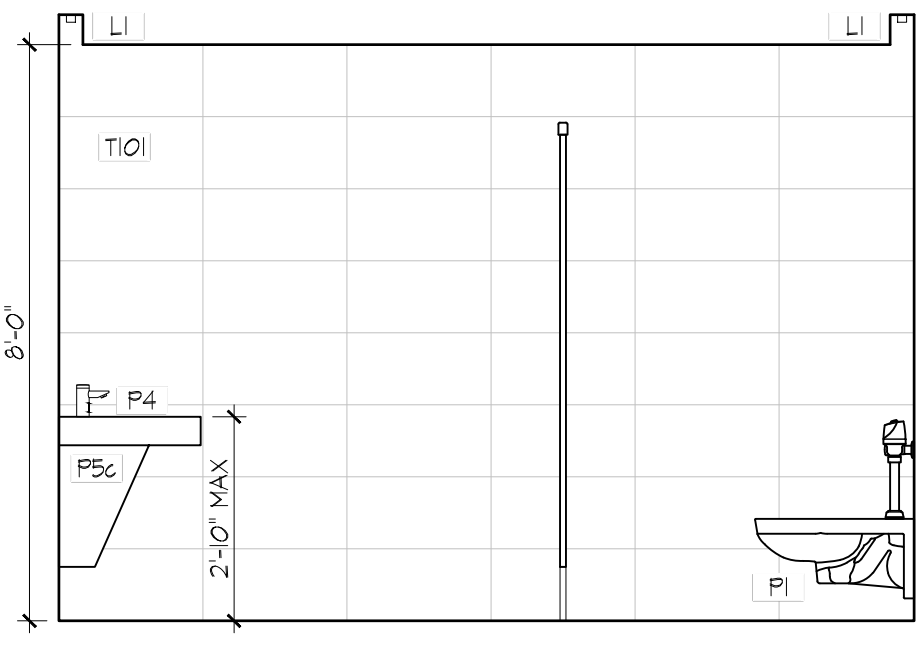
6 MEN'S 0004 NORTH
3/8" = 1'-0"



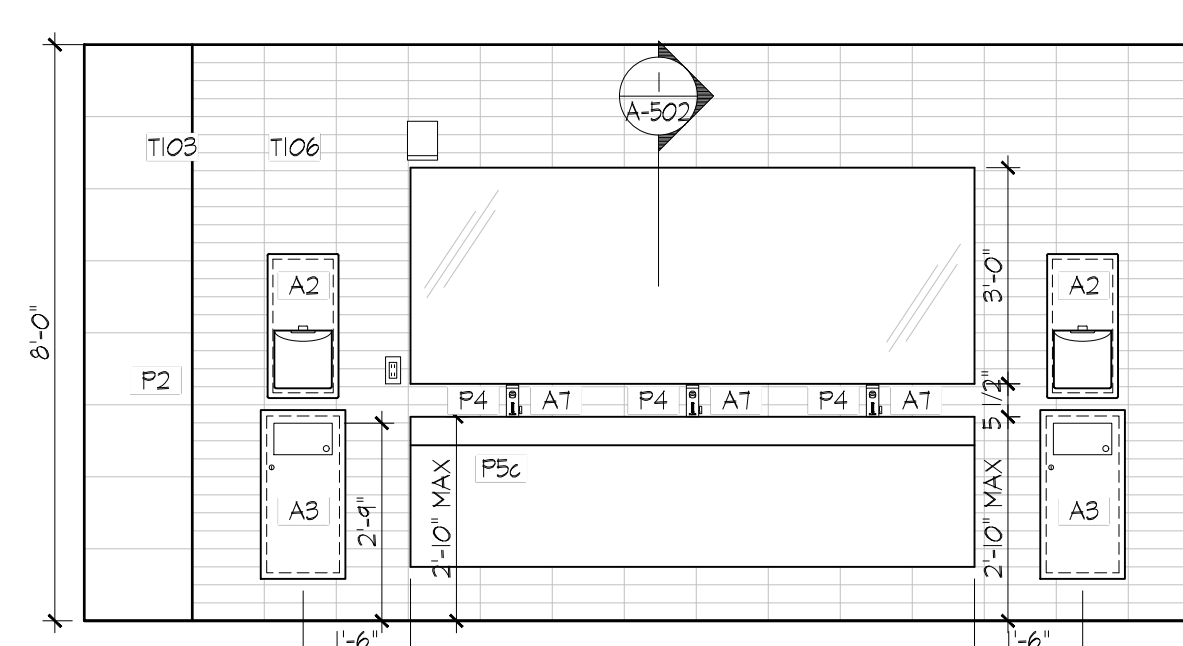
5 MEN'S 0004 NORTH
3/8" = 1'-0"



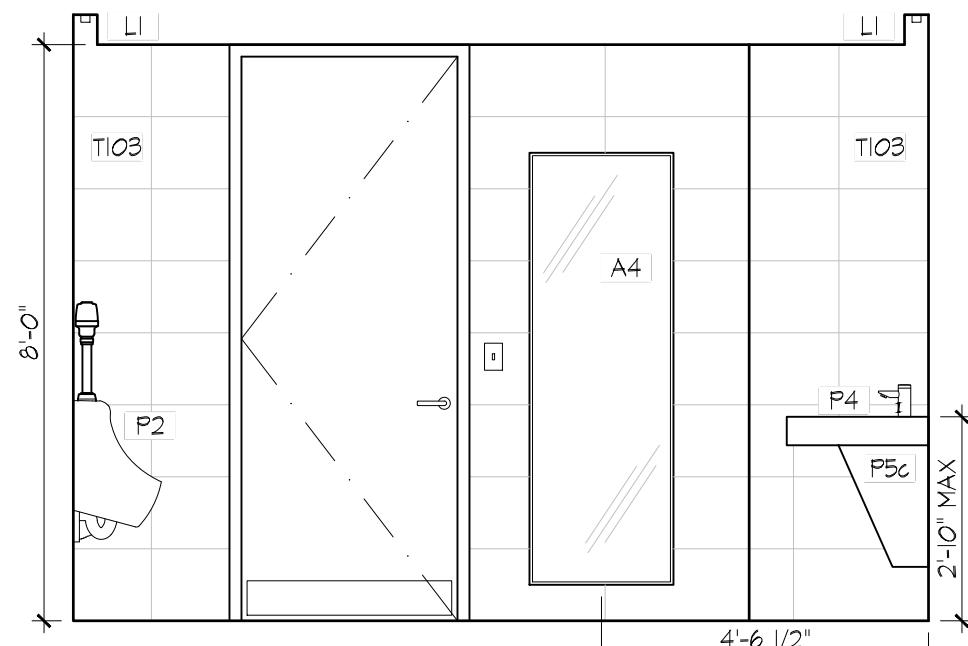
4 MEN'S 0004 WEST
3/8" = 1'-0"



3 MEN'S 0004 WEST
3/8" = 1'-0"



2 MEN'S 0004 SOUTH
3/8" = 1'-0"



1 MEN'S 0004 EAST
3/8" = 1'-0"

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Rev Date Issue
29 April 2022 Issue for Bid

INTERIOR ELEVATIONS
MUSIC BUILDING

Date 01-16-2020
Project No. 1944
Drawing By SJ, CQ
CHK By SN
Scale AS NOTED

DOB Rev
A-201.00
#

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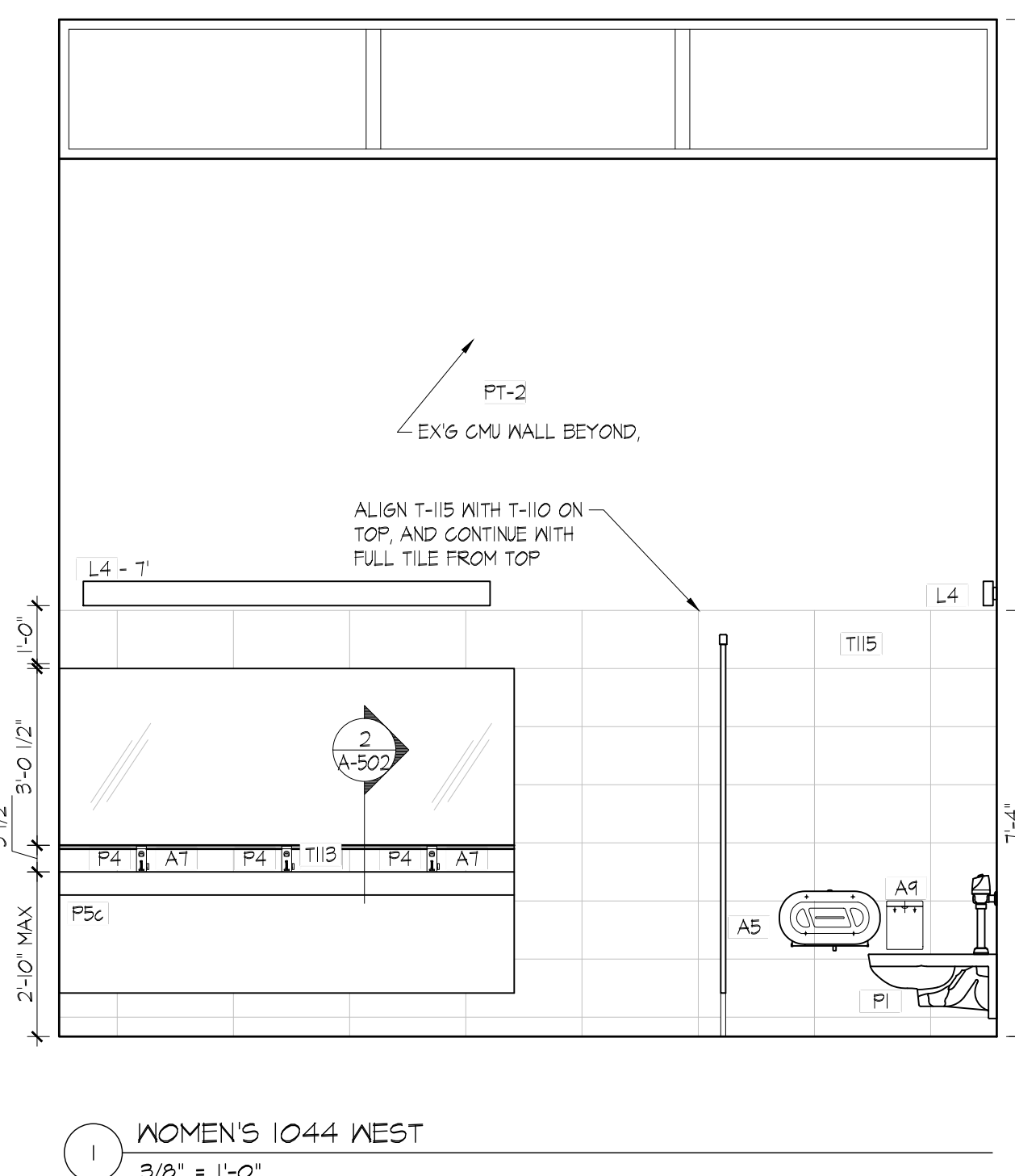
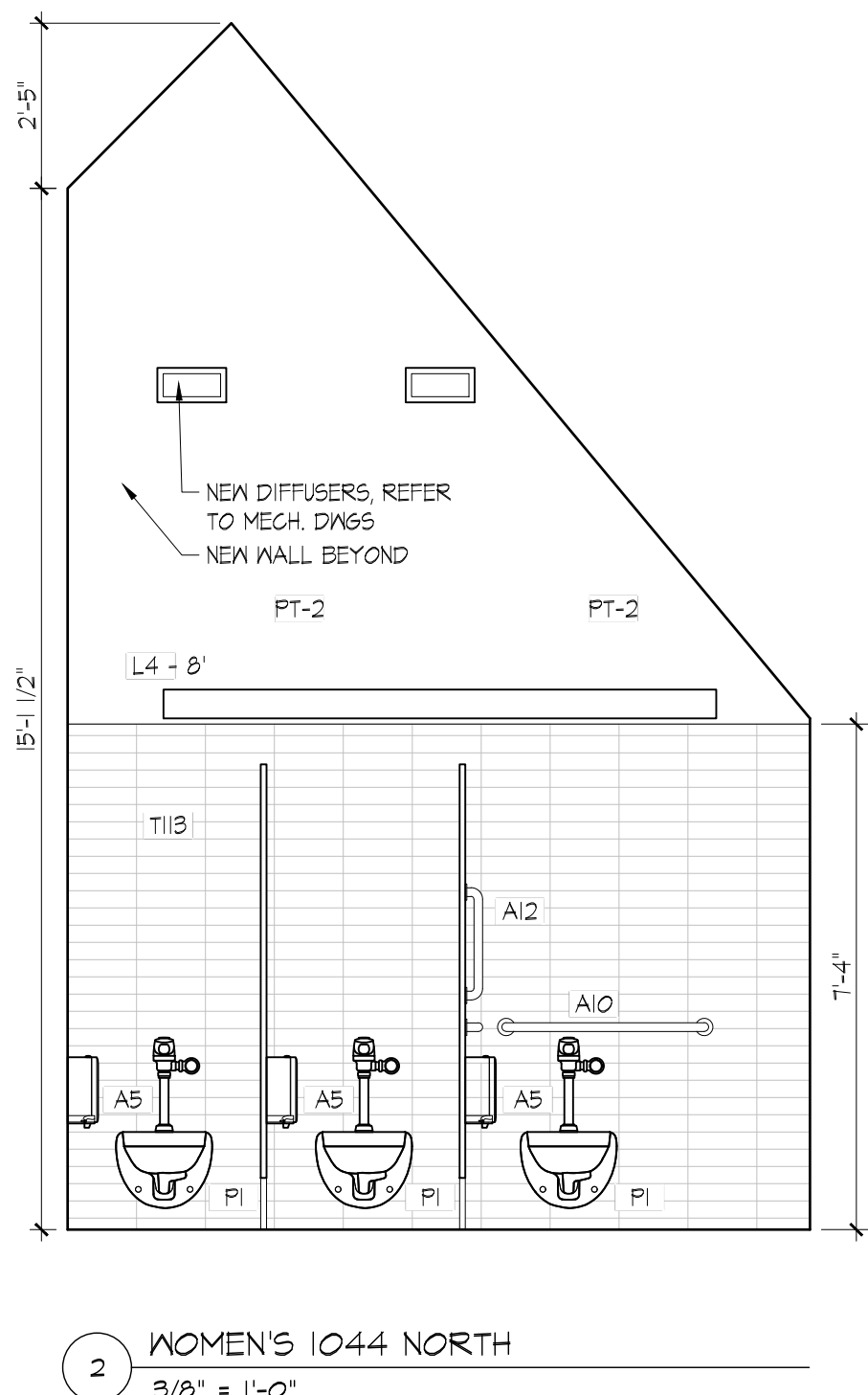
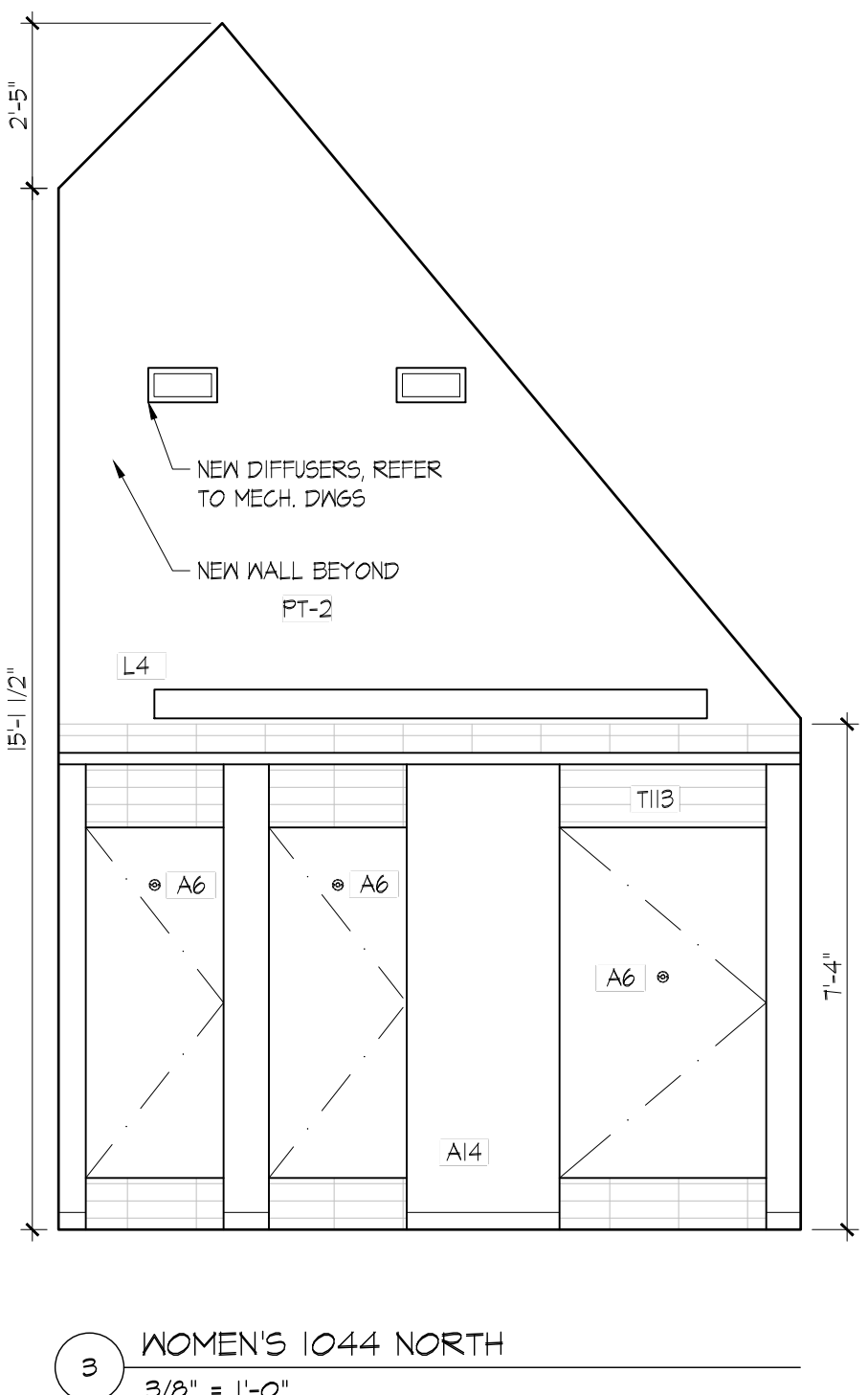
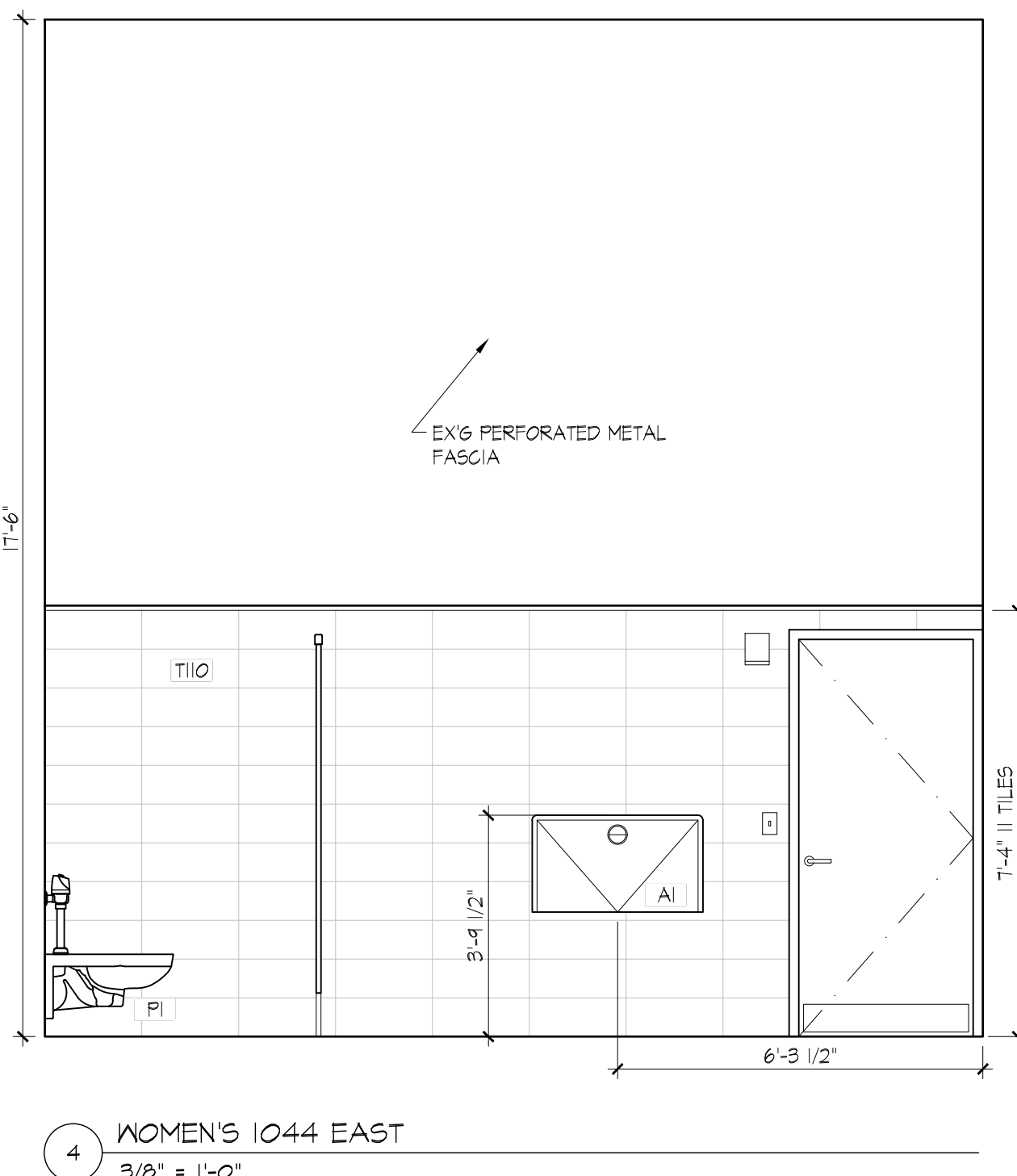
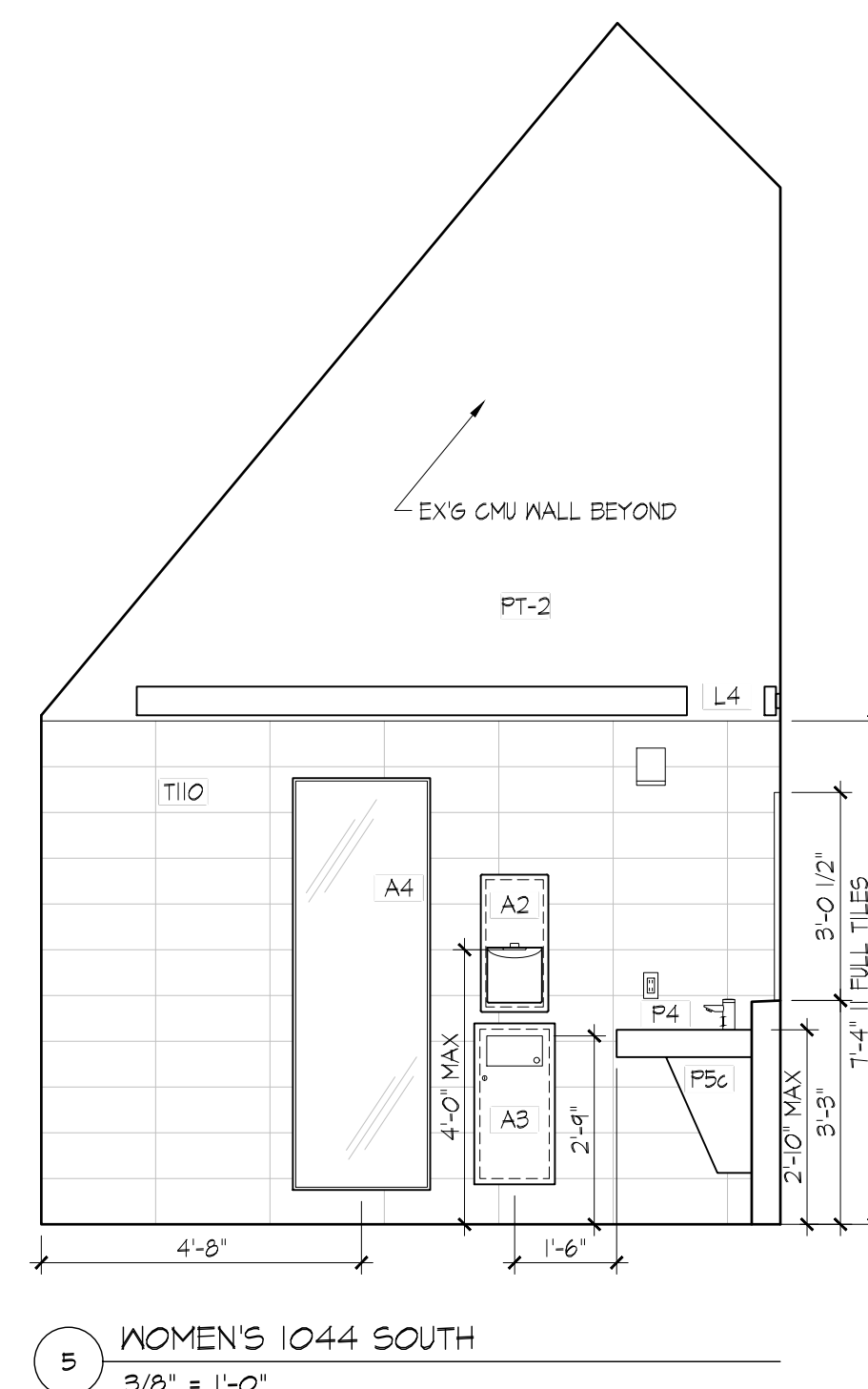
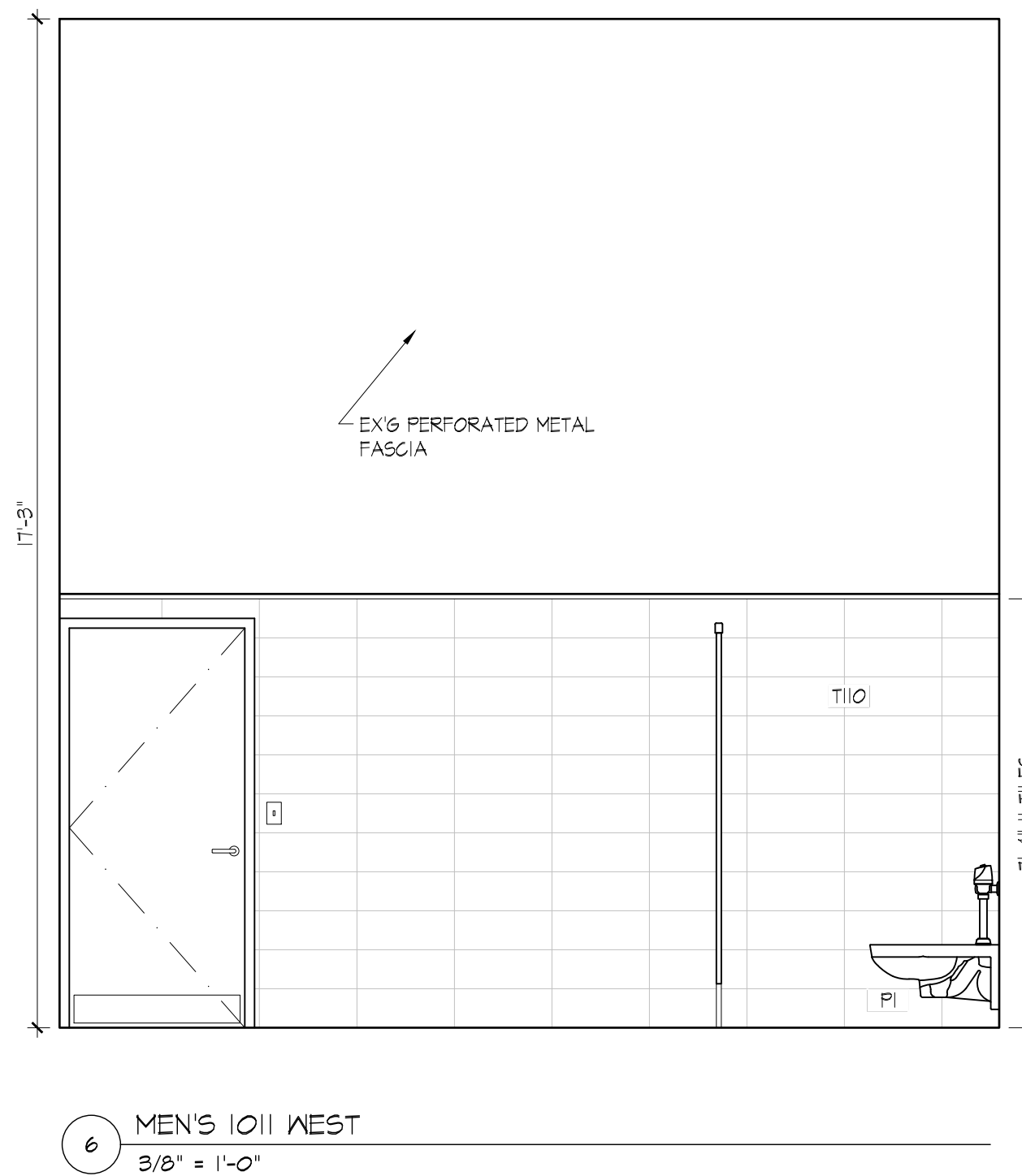
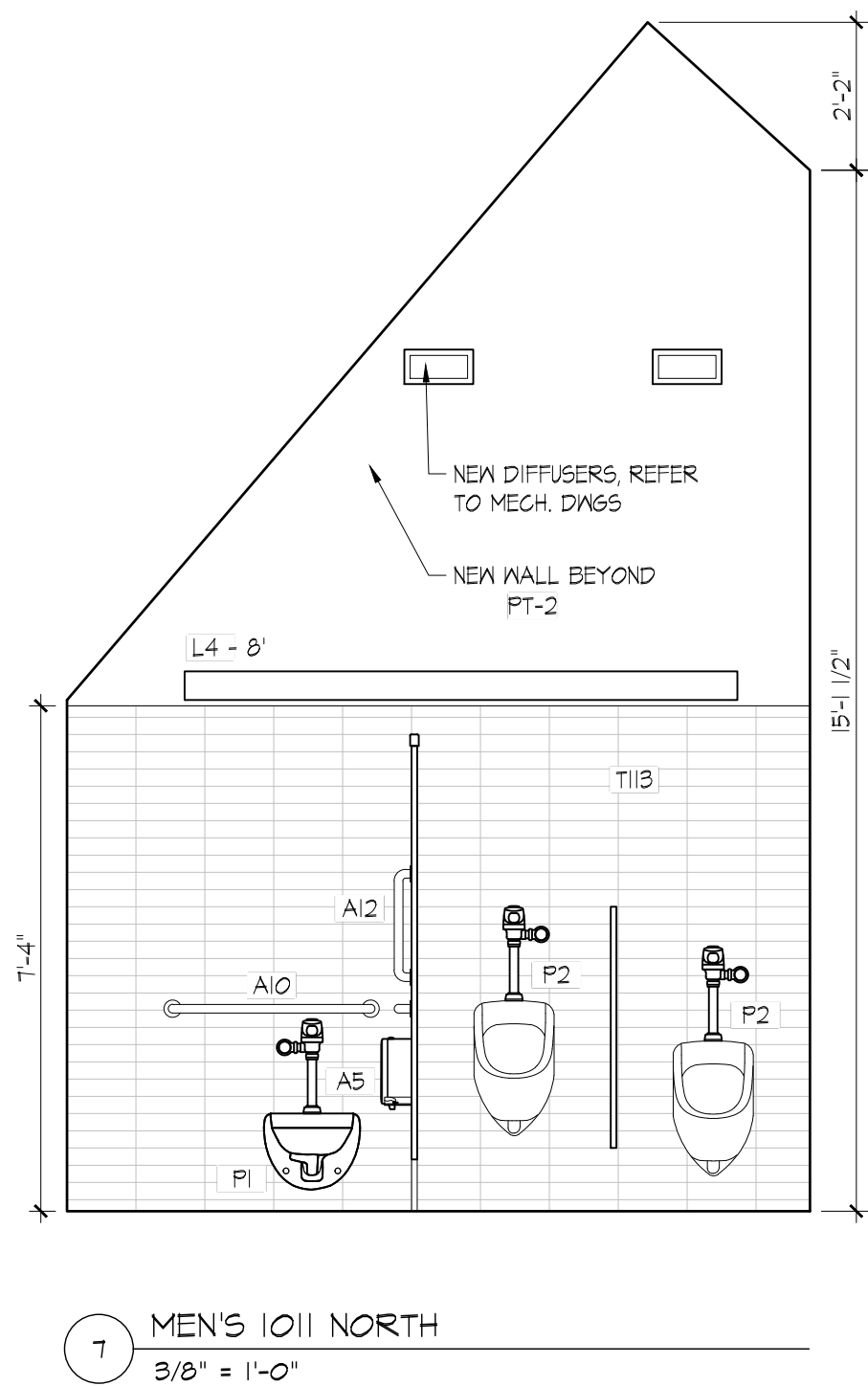
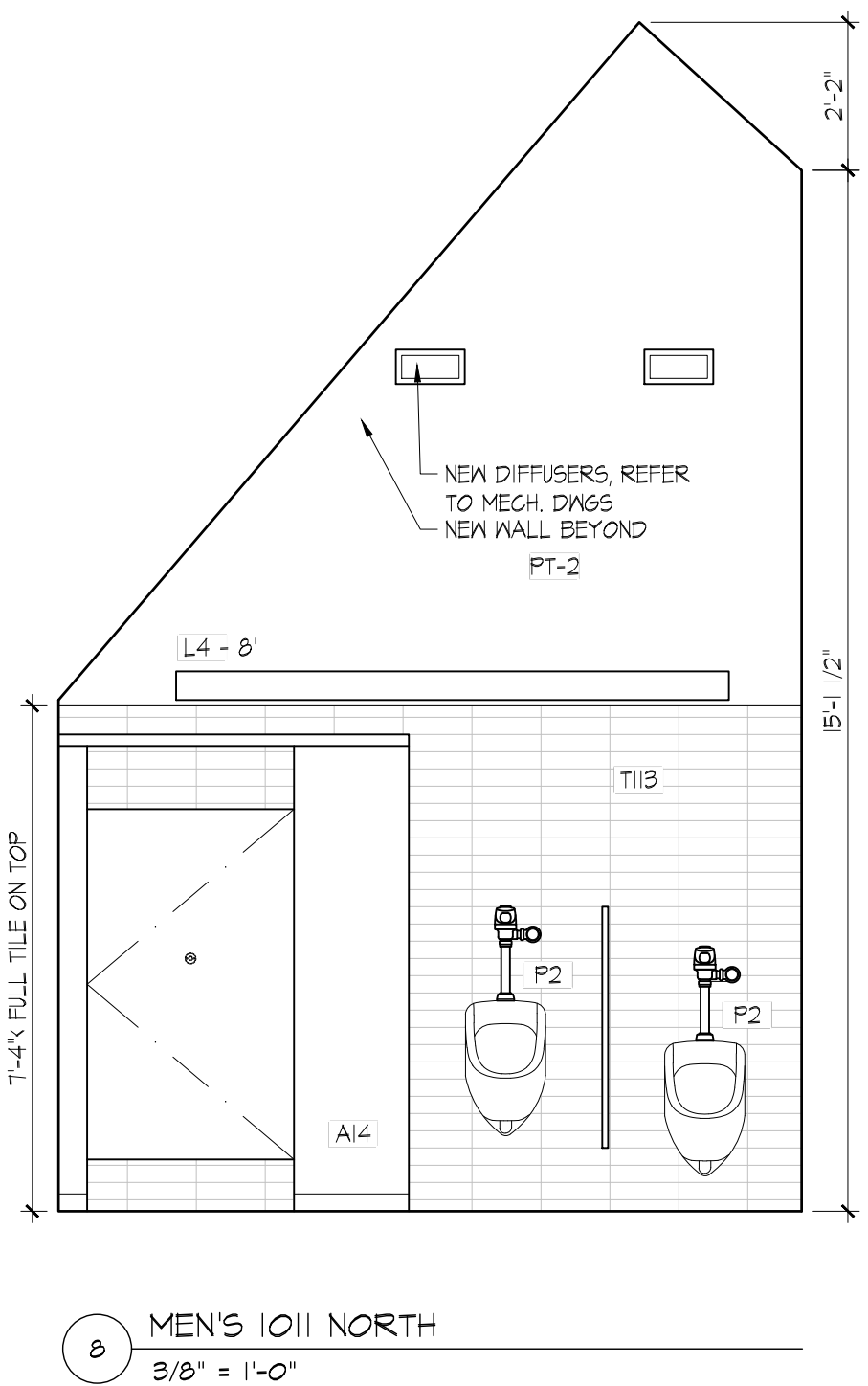
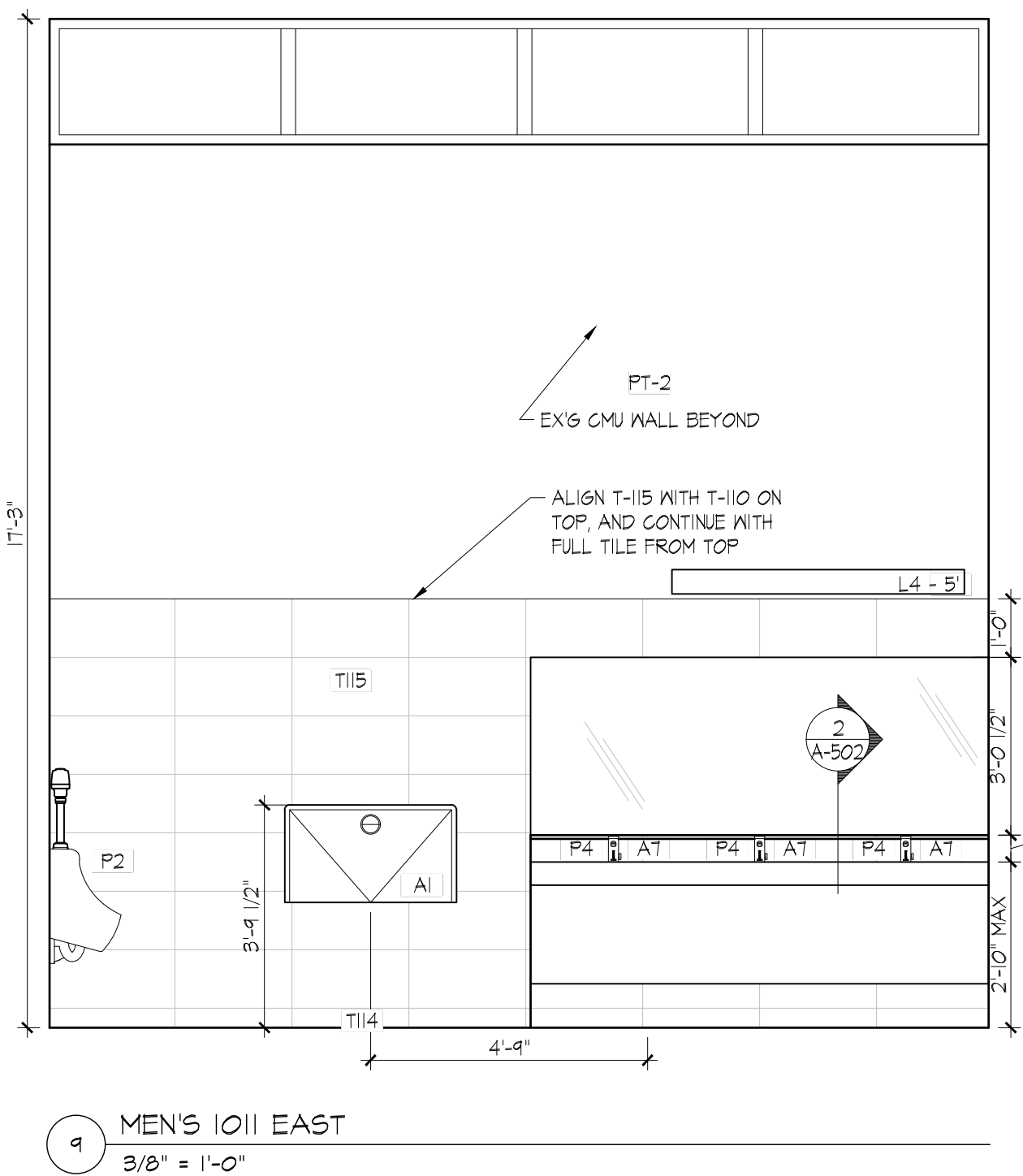
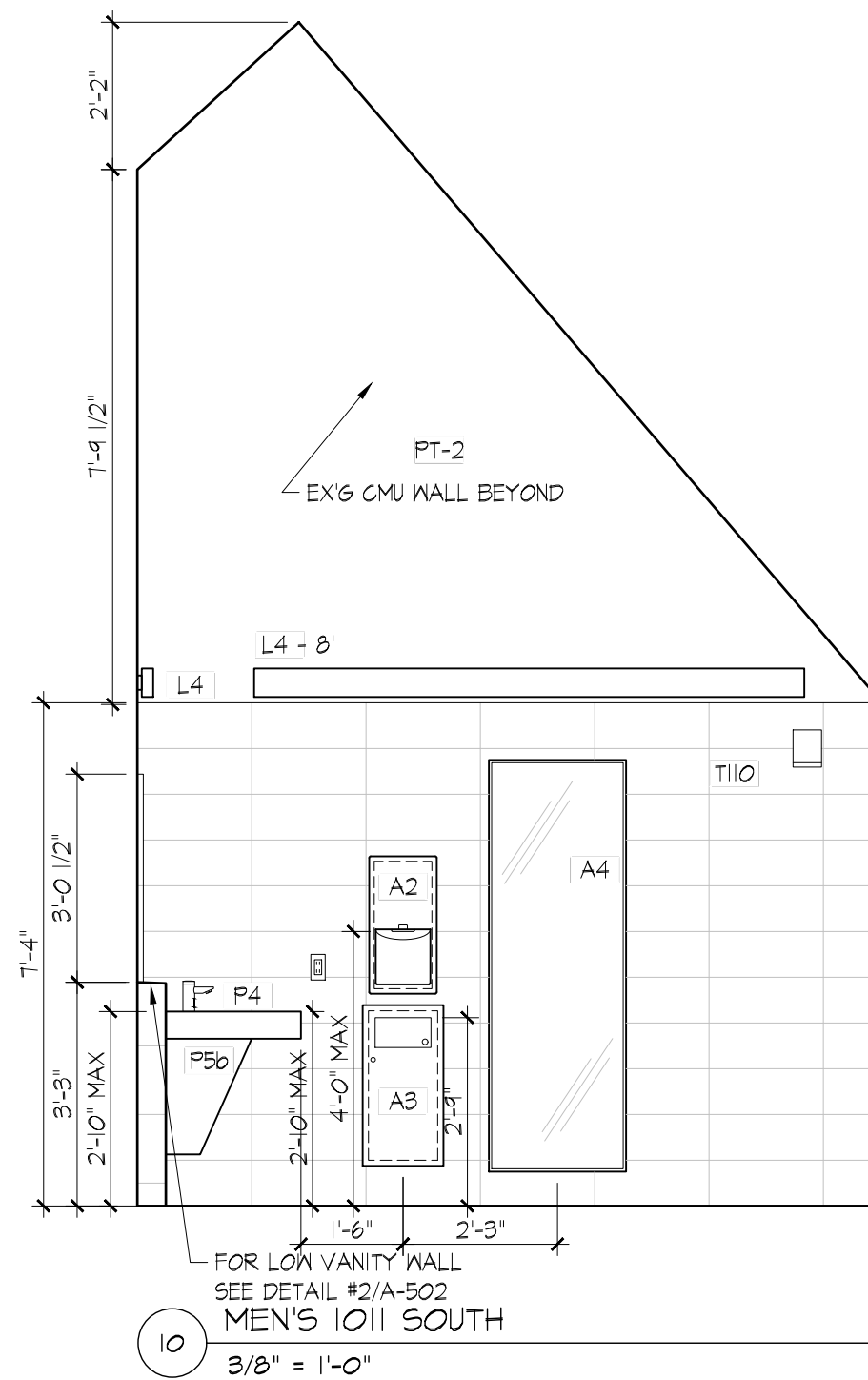
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Rev	Date	Issue
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Interior Elevations
DANCE BUILDING

Date	01-16-2020
Project No.	1944
Drawing By	SJ, CQ
CHK By	SN
Scale	AS NOTED

DOB Rev
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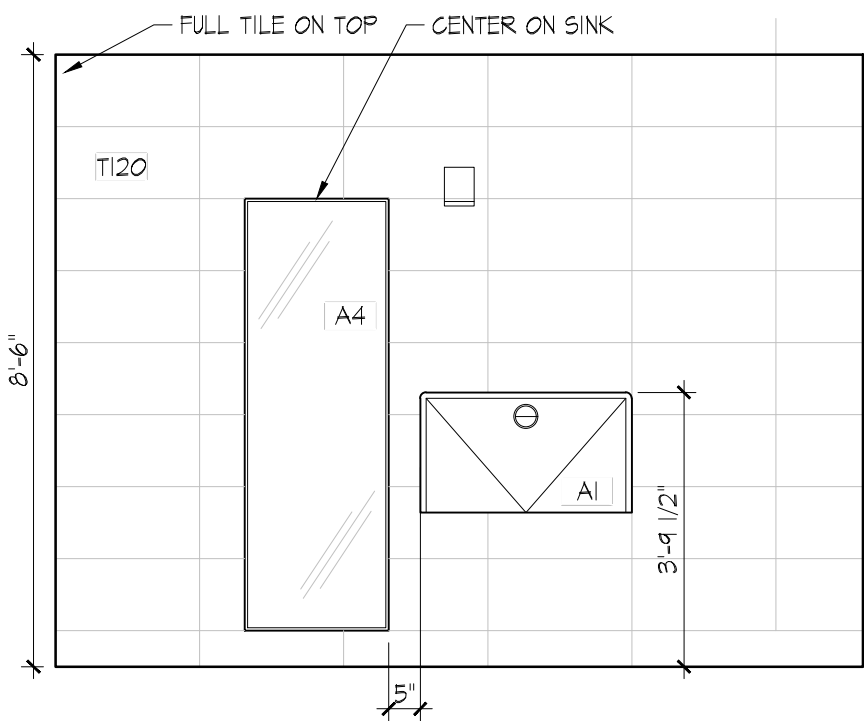
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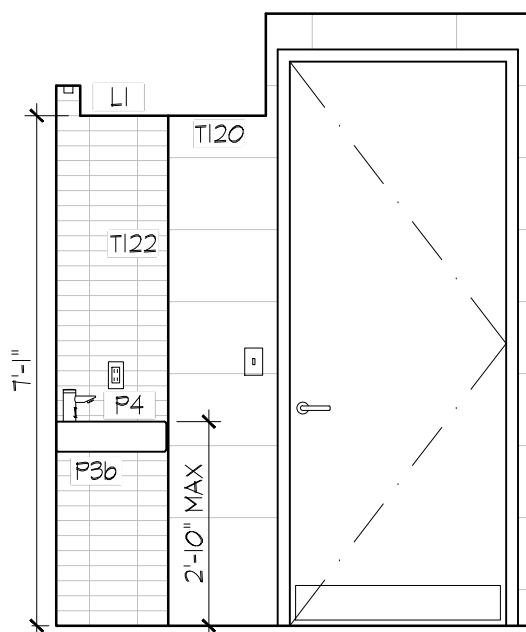
Title
INTERIOR ELEVATIONS
PHYSICAL EDUCATION

Date 01-16-2020
Project No. 1944
Drawing By SJ, CQ
CHK By SN
Scale AS NOTED

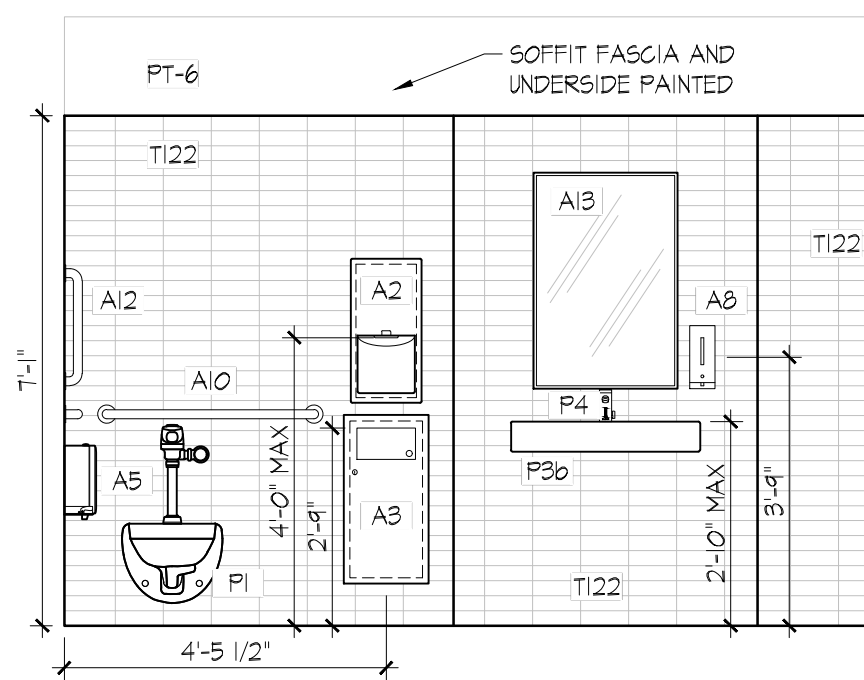
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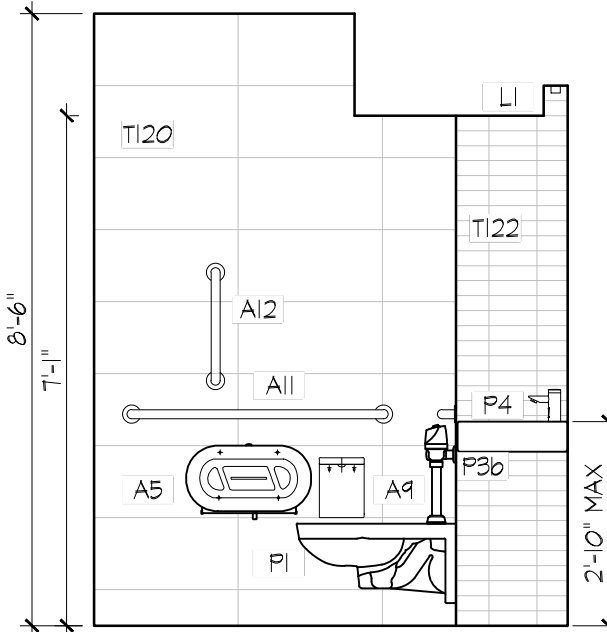
11 ALL GENDER 2012A SOUTH
3/8" = 1'-0"



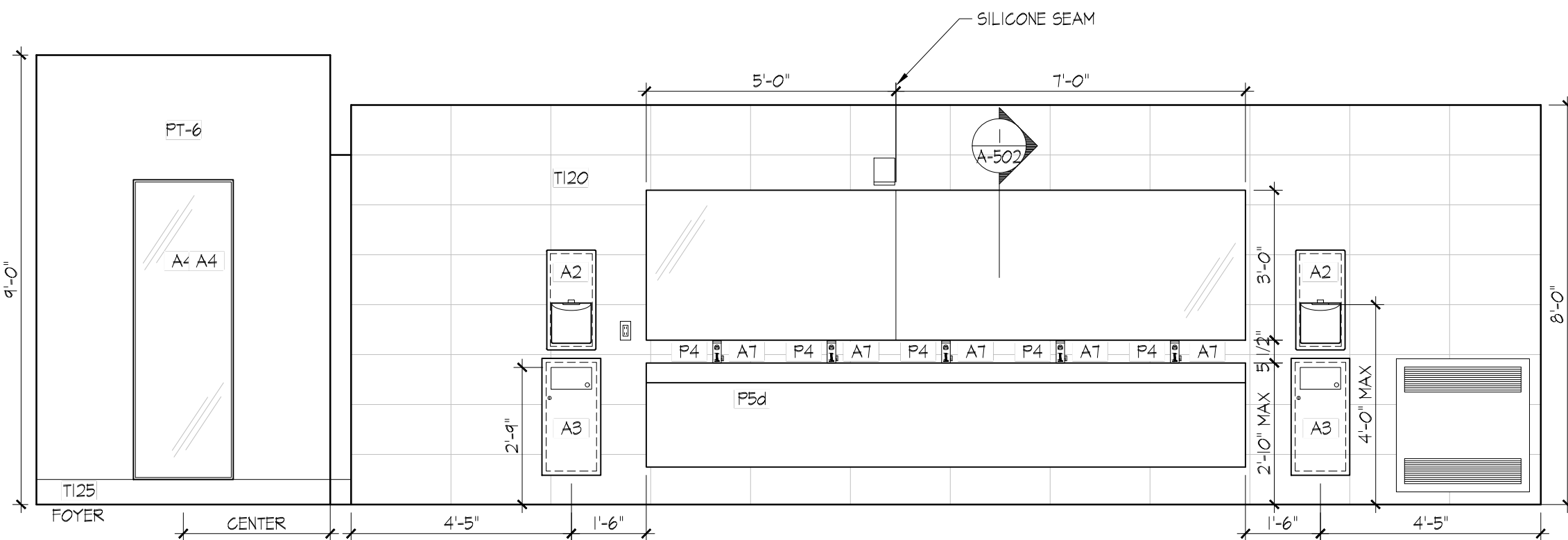
10 ALL GENDER 2012A EAST
3/8" = 1'-0"



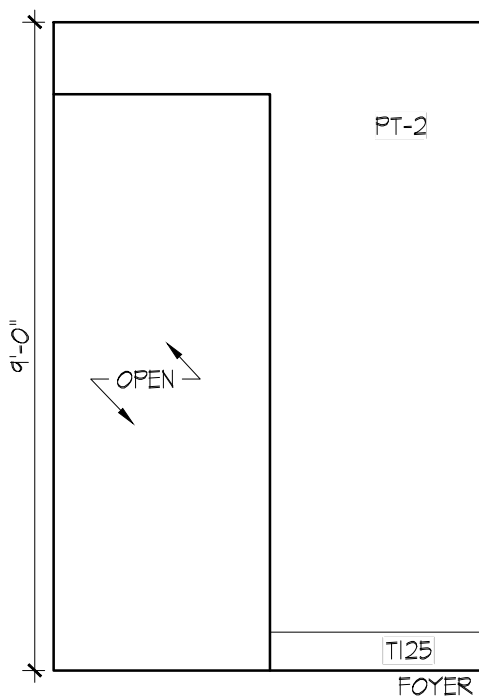
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3/8" = 1'-0"



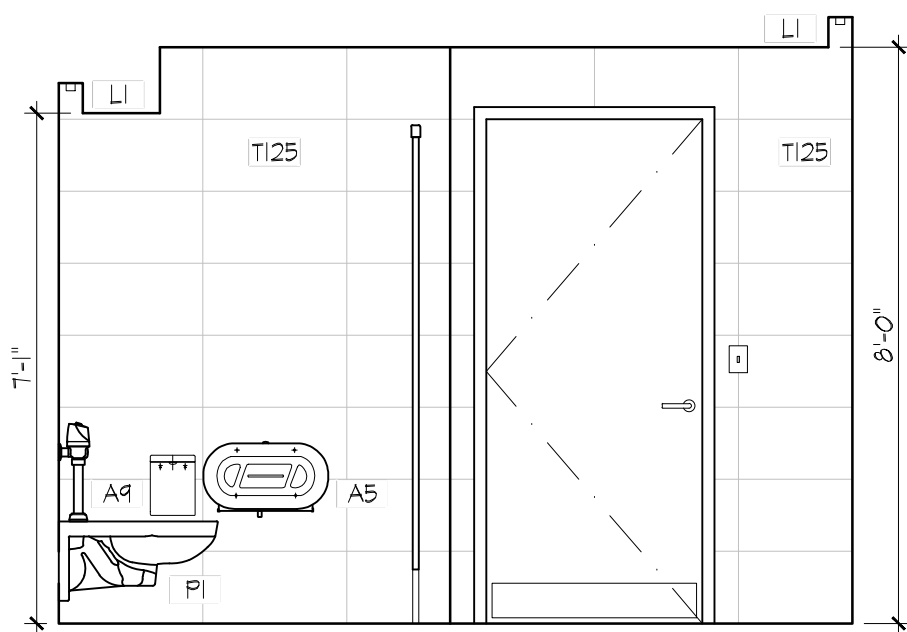
8 ALL GENDER 2012A WEST
3/8" = 1'-0"



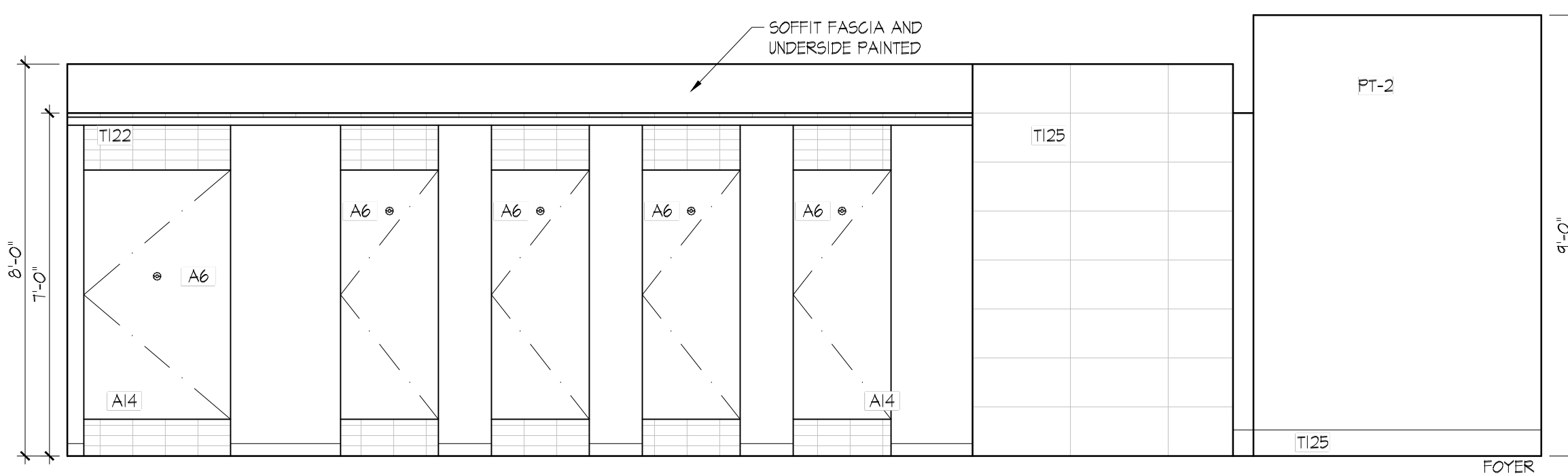
7 WOMEN'S 2012 SOUTH
3/8" = 1'-0"



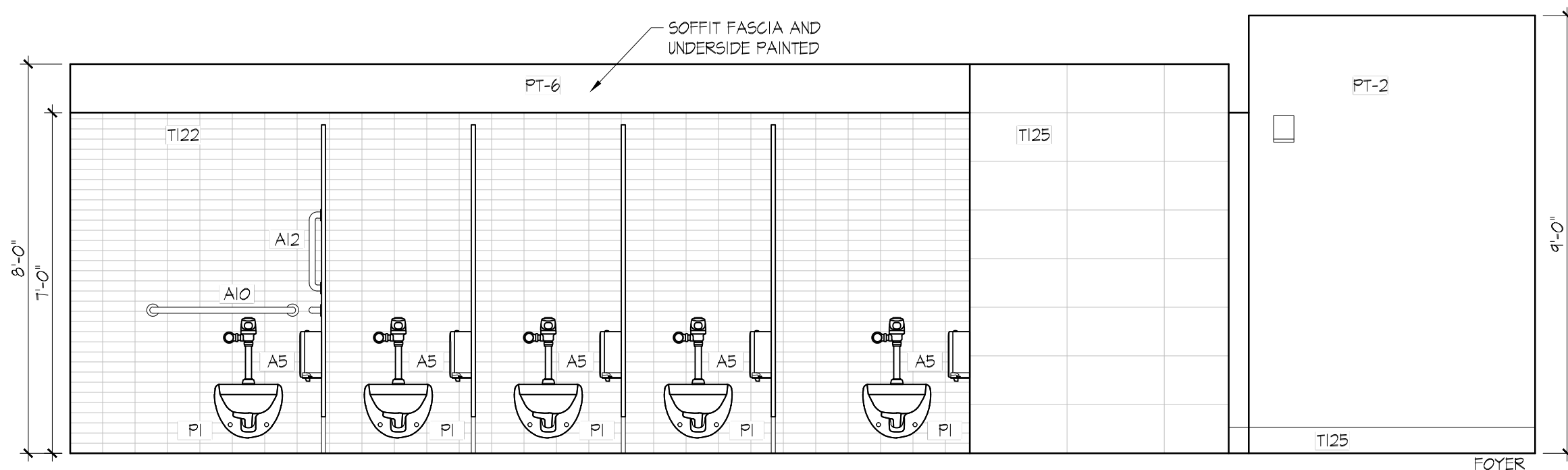
6 WOMEN'S 2012 EAST
3/8" = 1'-0"



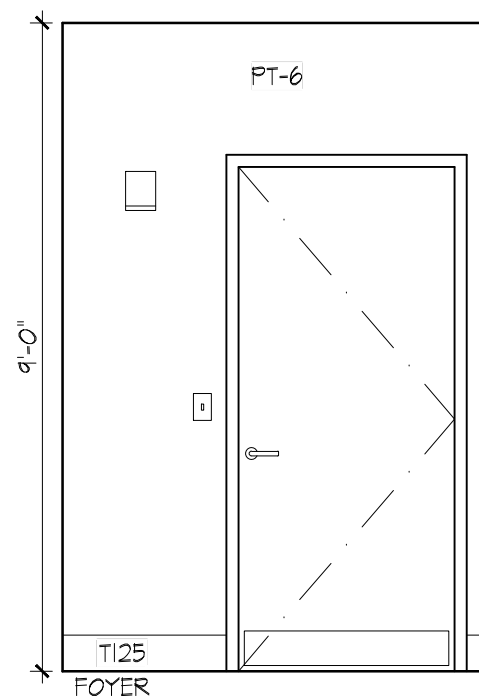
5 WOMEN'S 2012 EAST
3/8" = 1'-0"



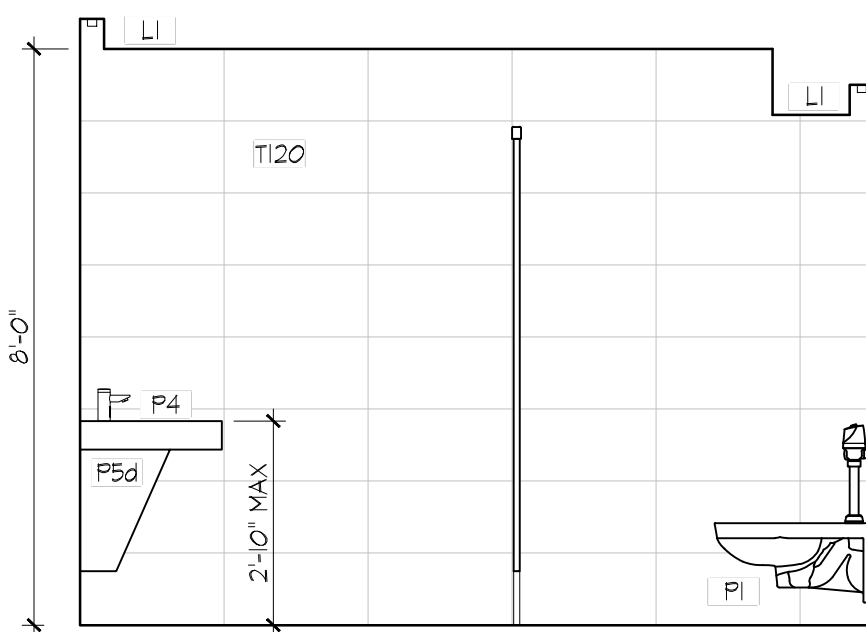
4 WOMEN'S 2012 SOUTH
3/8" = 1'-0"



3 WOMEN'S 2012 NORTH
3/8" = 1'-0"



2 WOMEN'S 2012 WEST
3/8" = 1'-0"



1 WOMEN'S 2012 WEST
3/8" = 1'-0"

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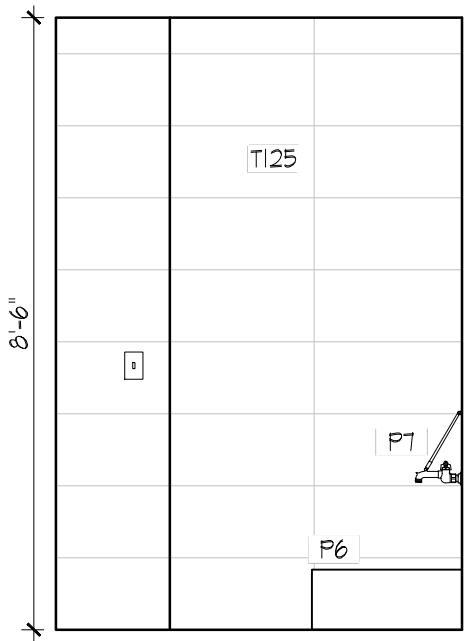
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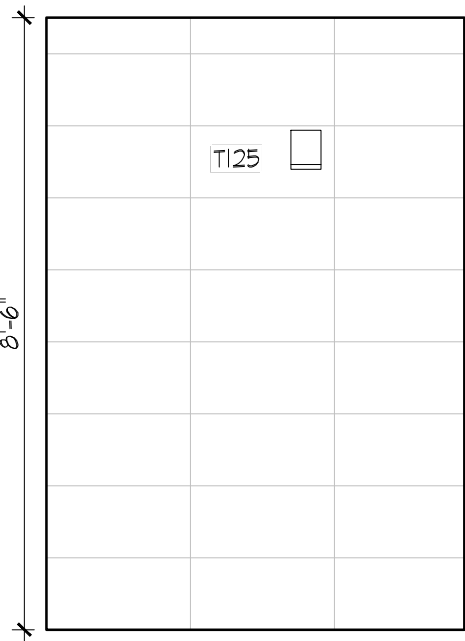
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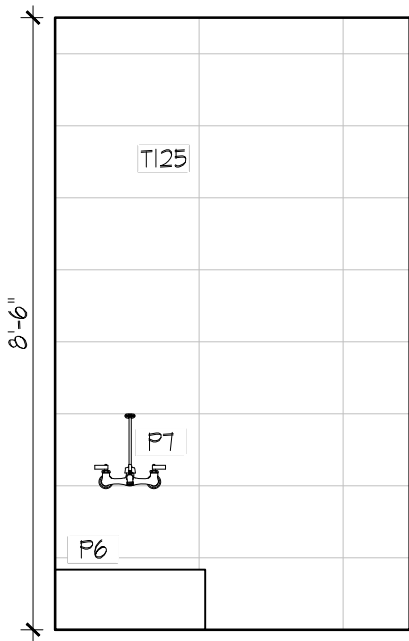
12 CUSTODIAL 2013A SOUTH
3/8" = 1'-0"



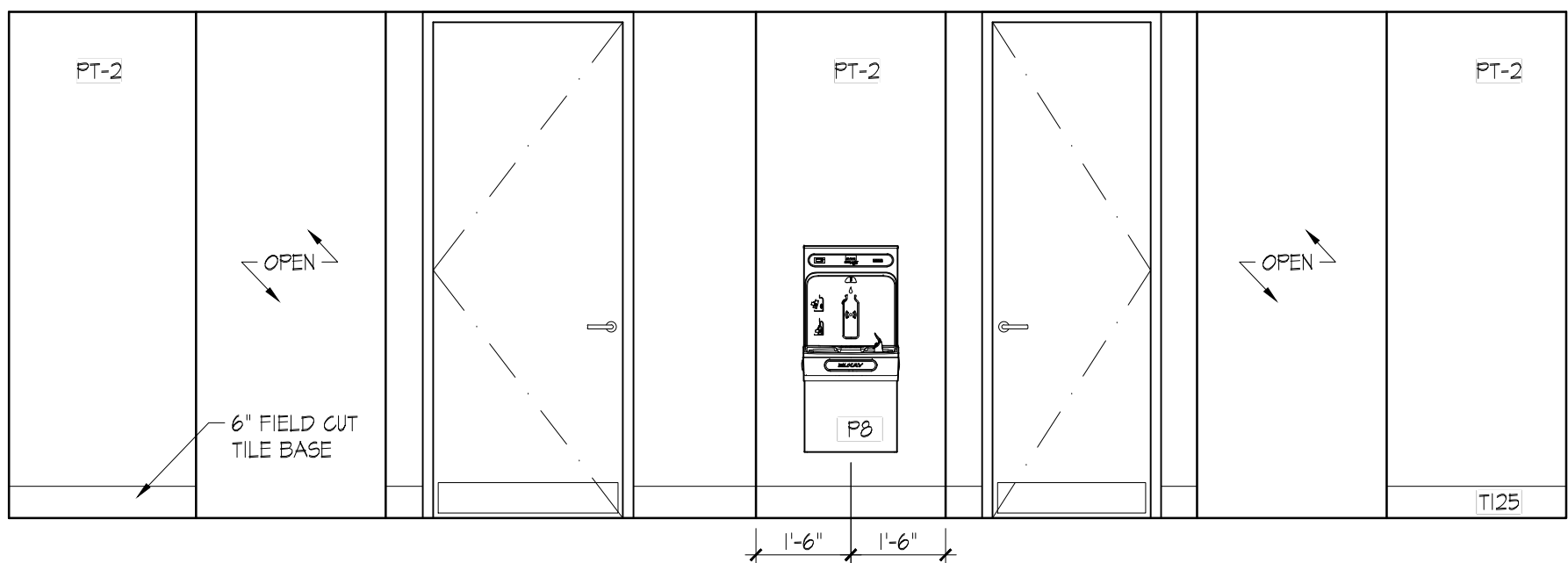
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3/8" = 1'-0"



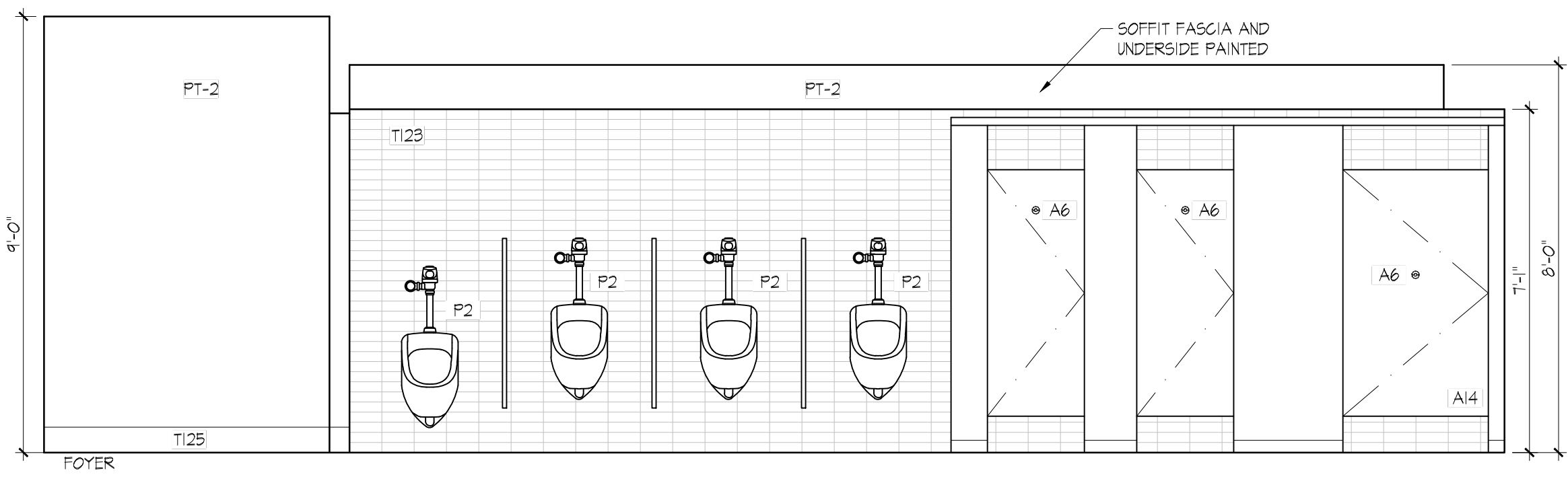
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3/8" = 1'-0"



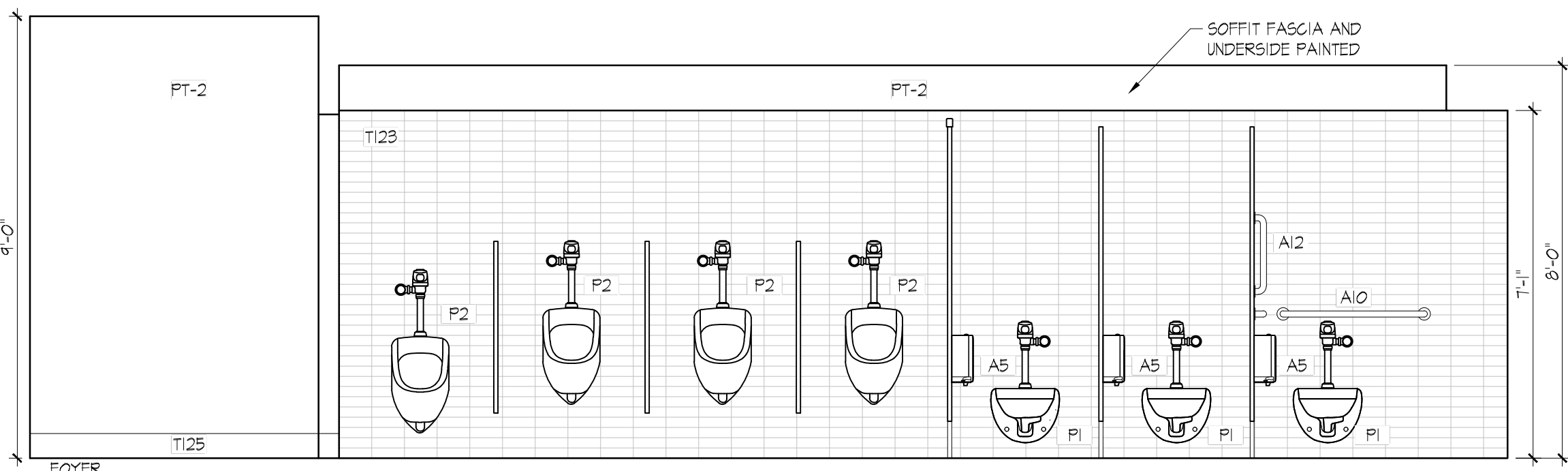
9 CUSTODIAL 2013A WEST
3/8" = 1'-0"



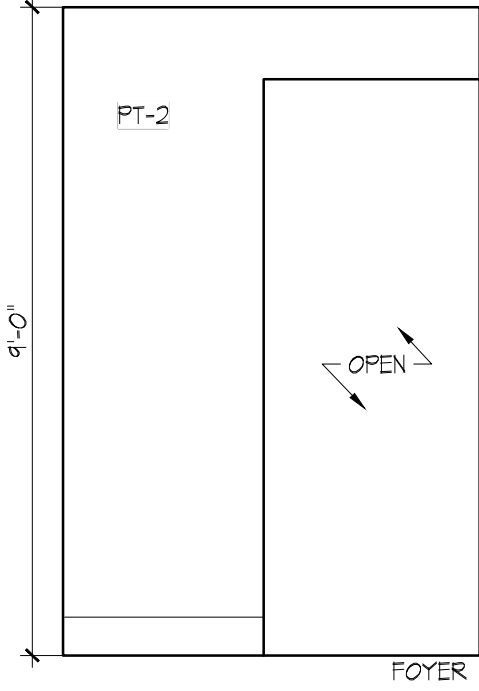
8 LOBBY 2017 WEST
3/8" = 1'-0"



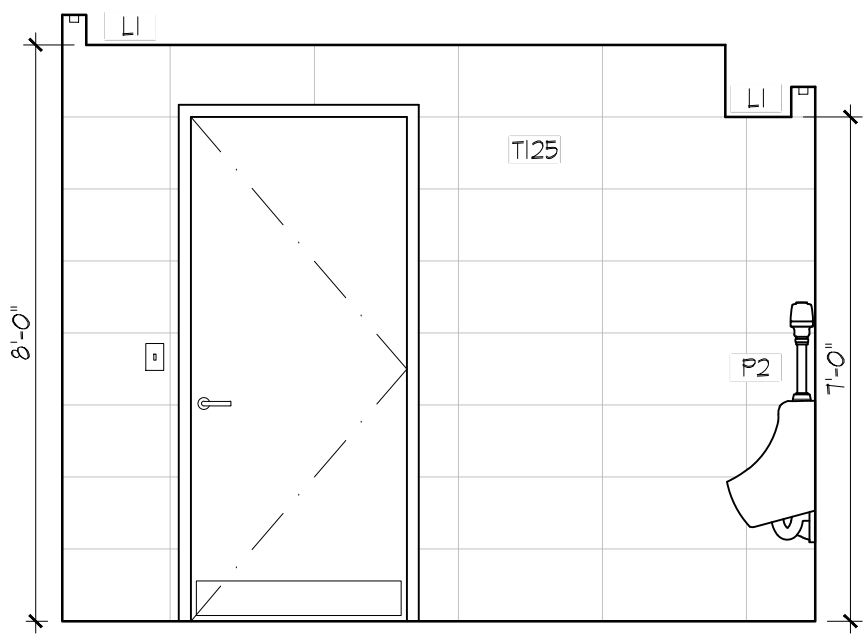
7 MEN'S 2013 SOUTH
3/8" = 1'-0"



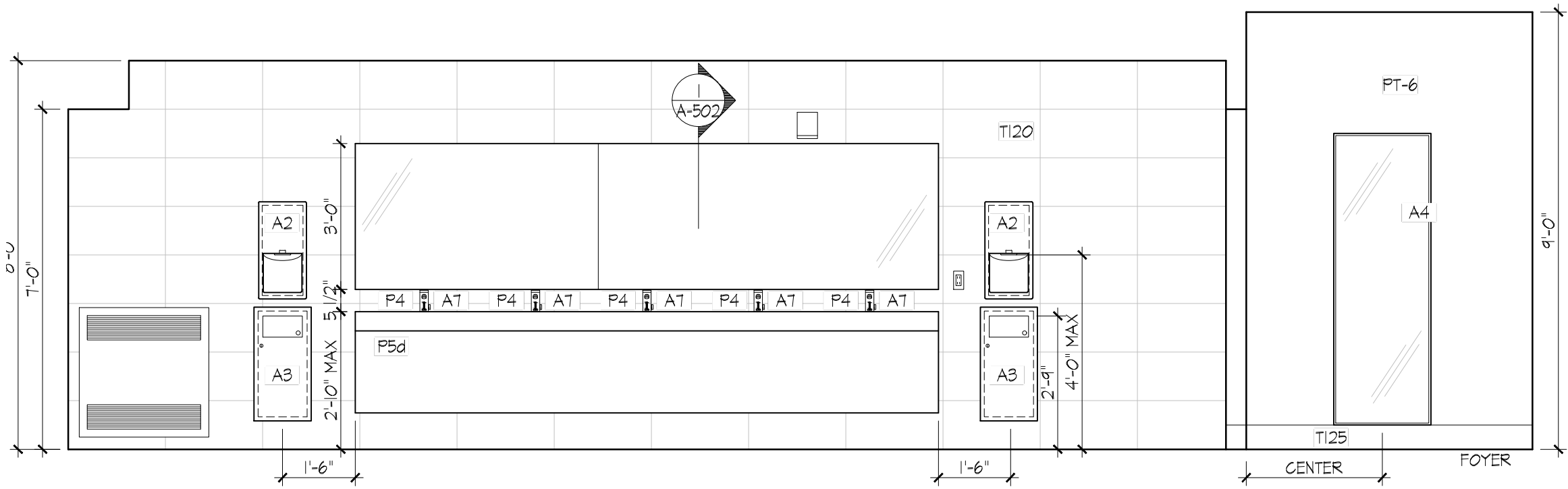
6 MEN'S 2013 SOUTH
3/8" = 1'-0"



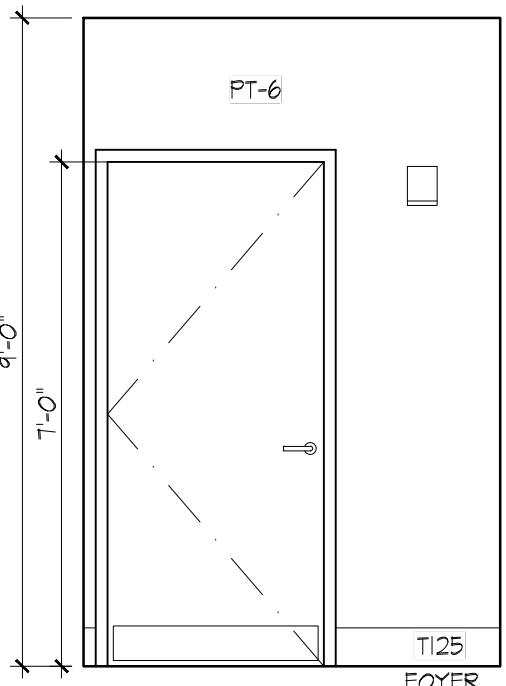
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3/8" = 1'-0"



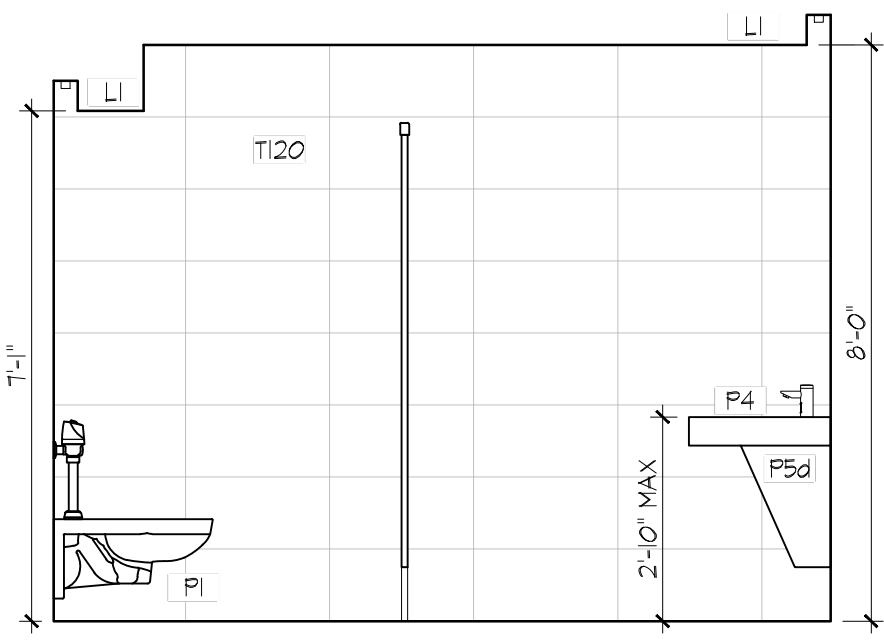
4 MEN'S 2013 EAST
3/8" = 1'-0"



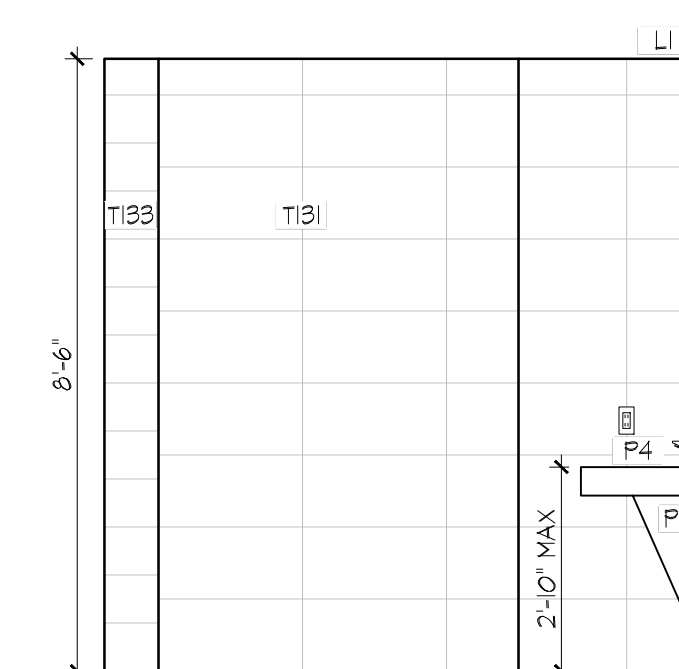
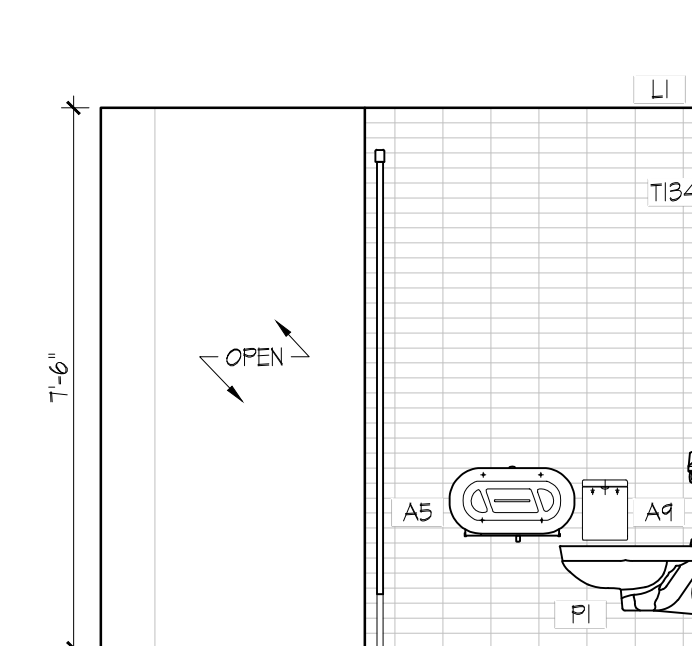
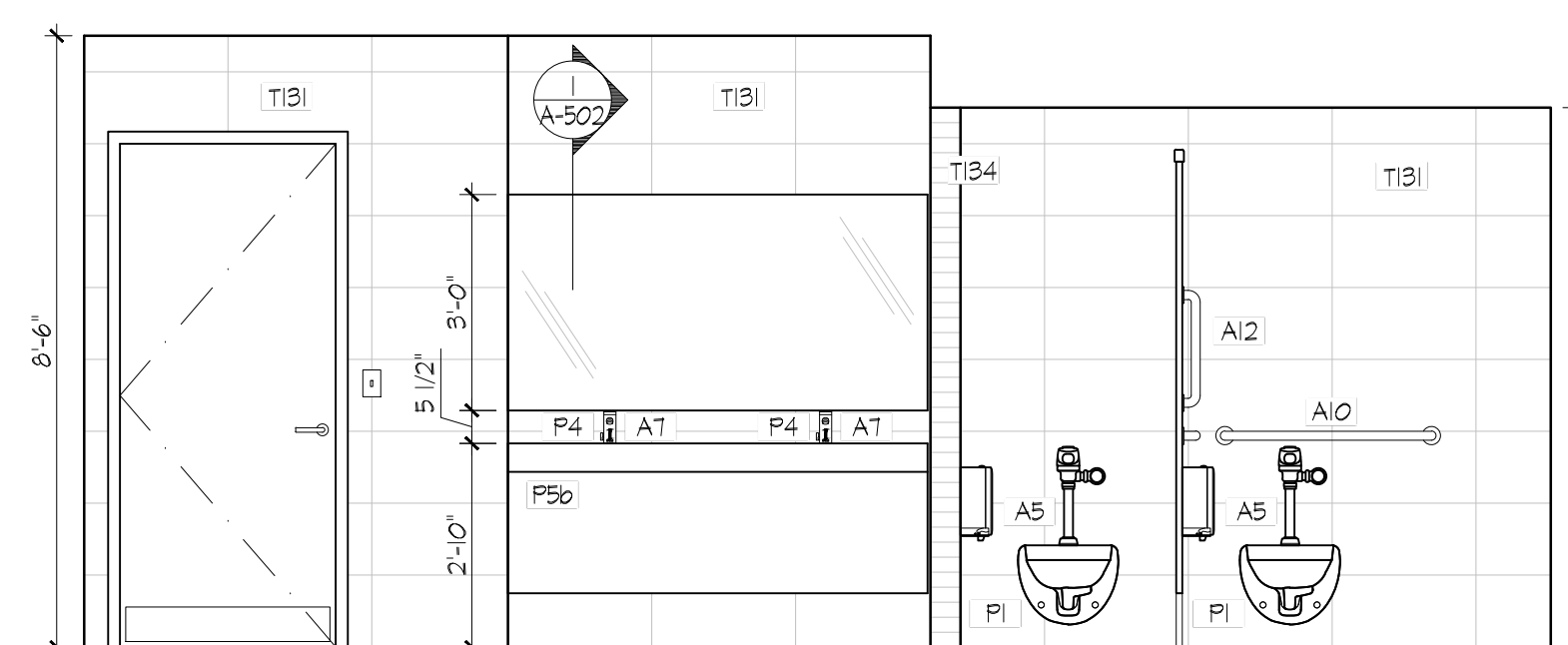
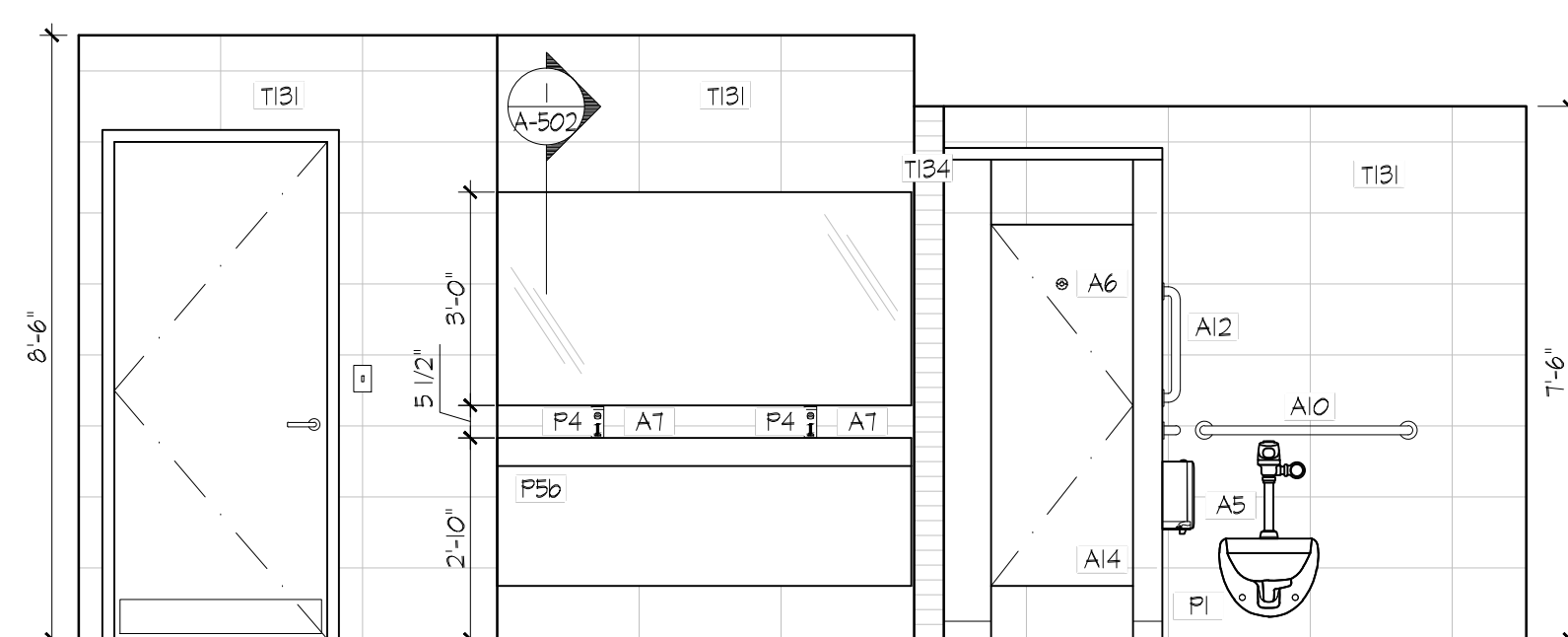
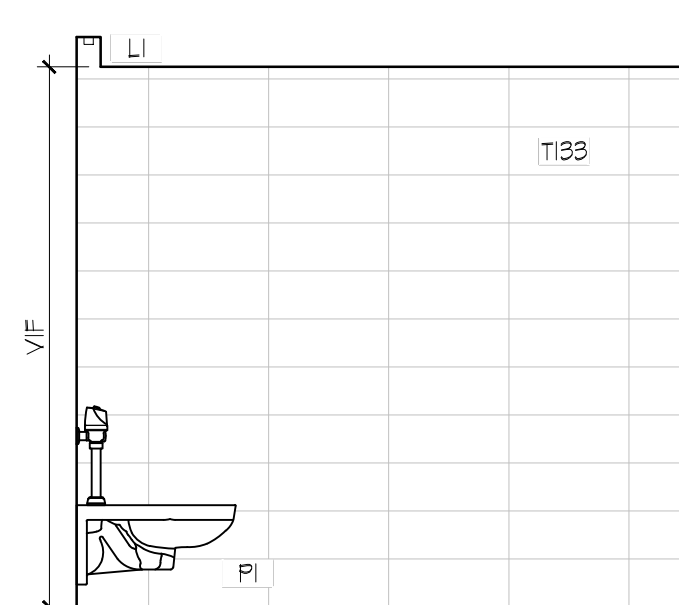
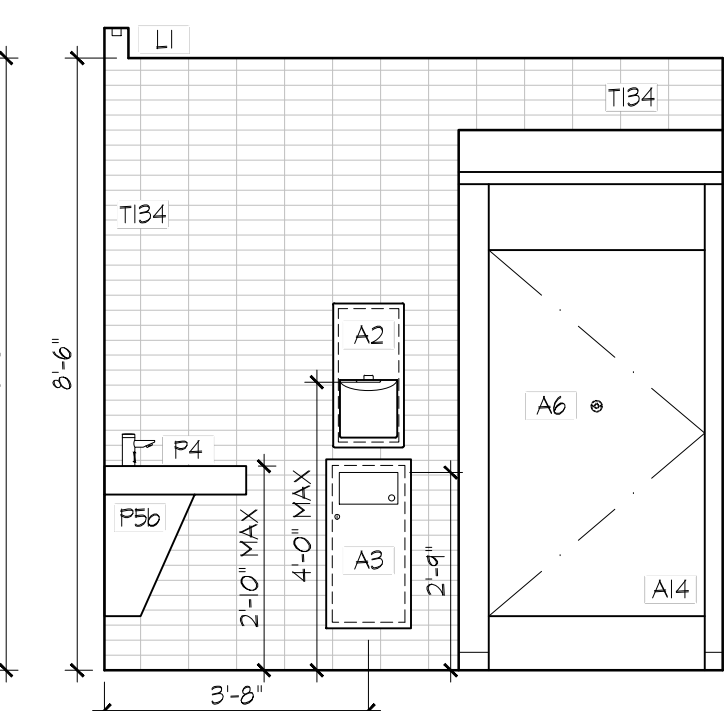
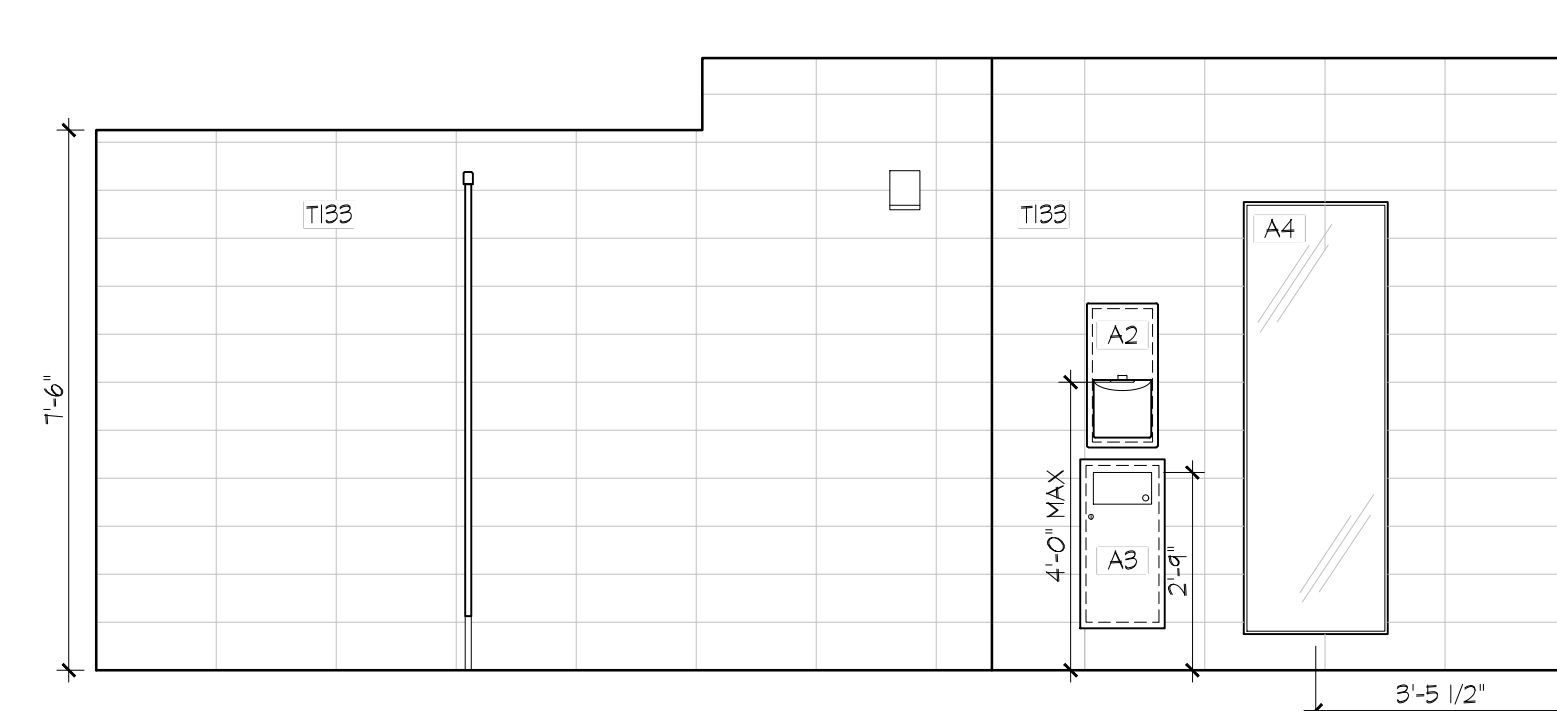
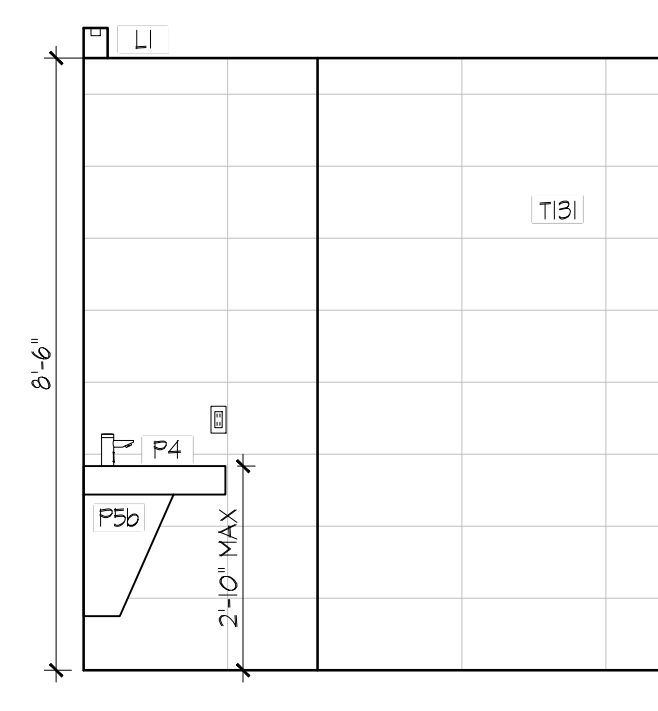
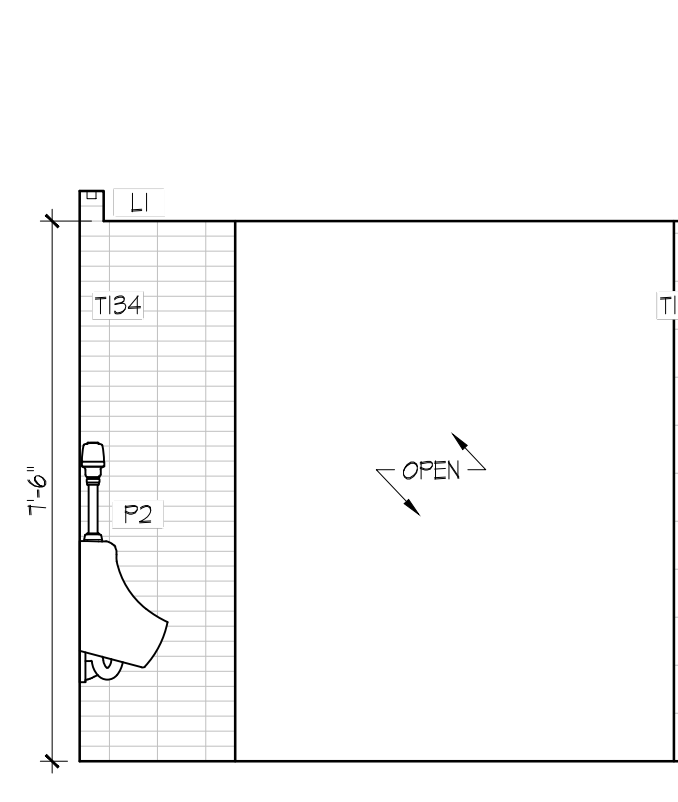
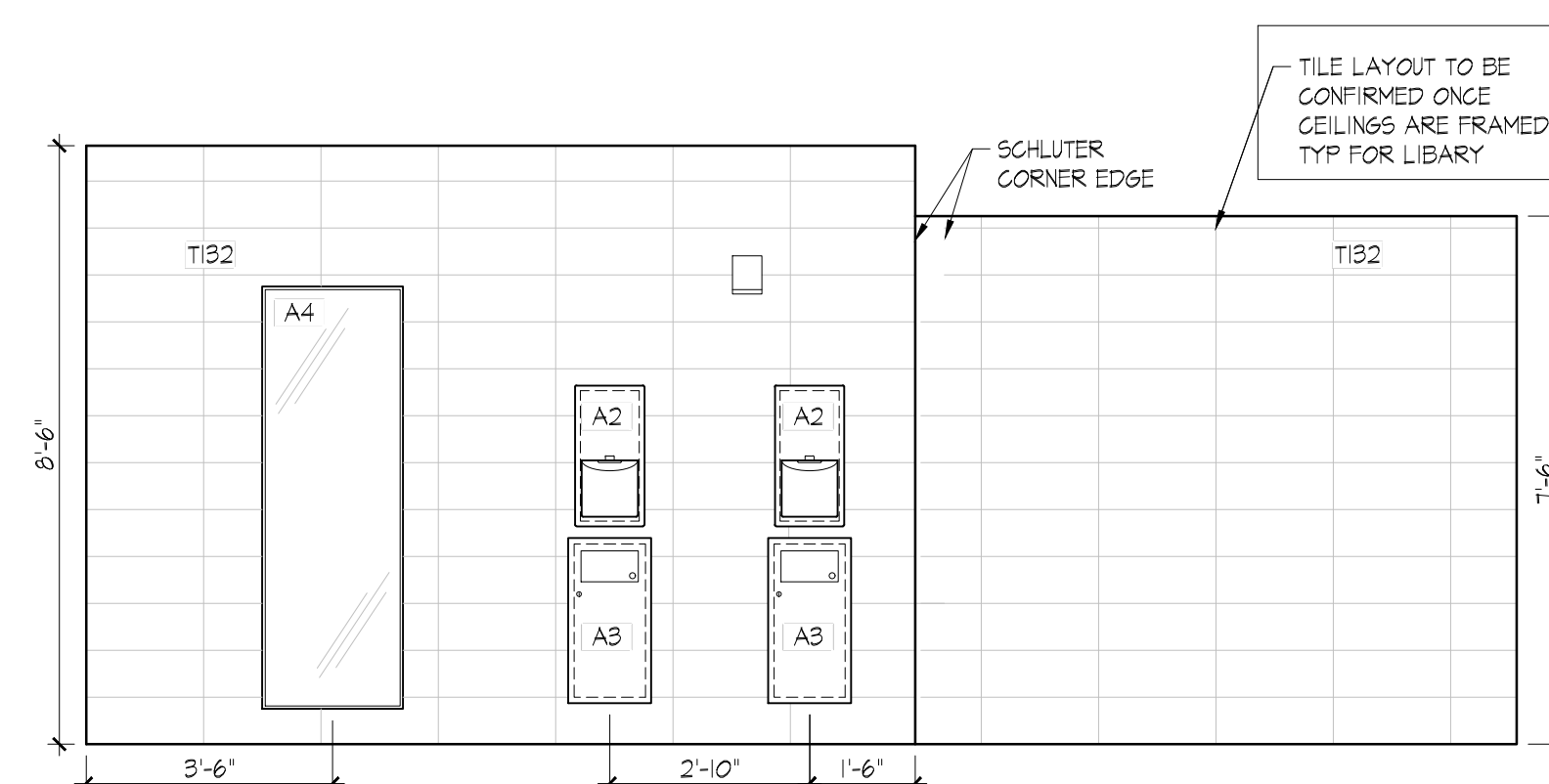
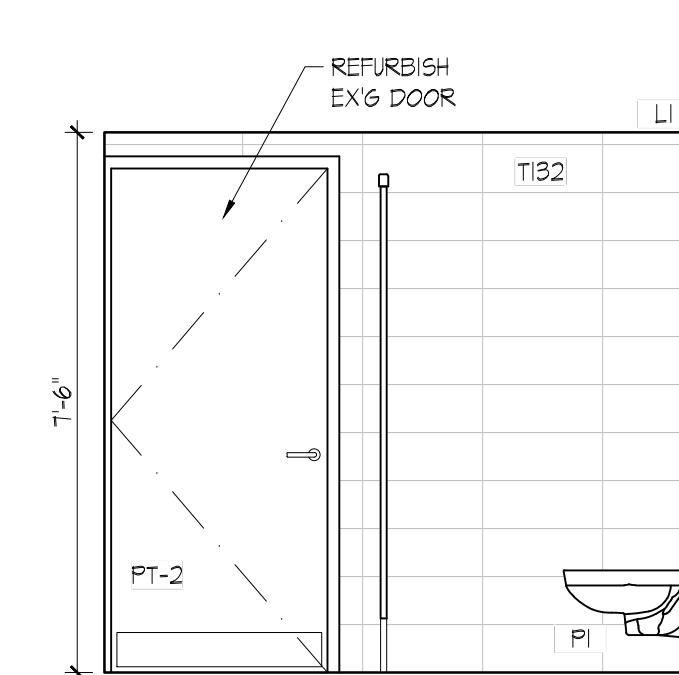
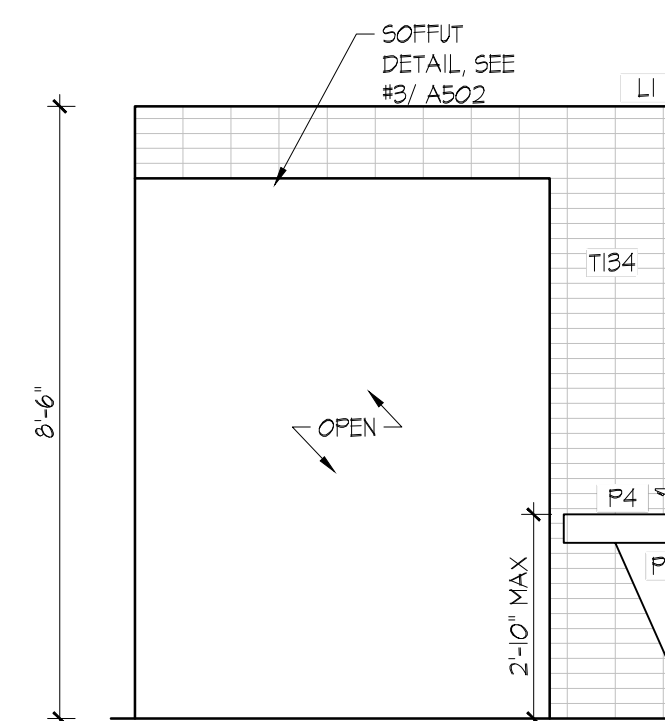
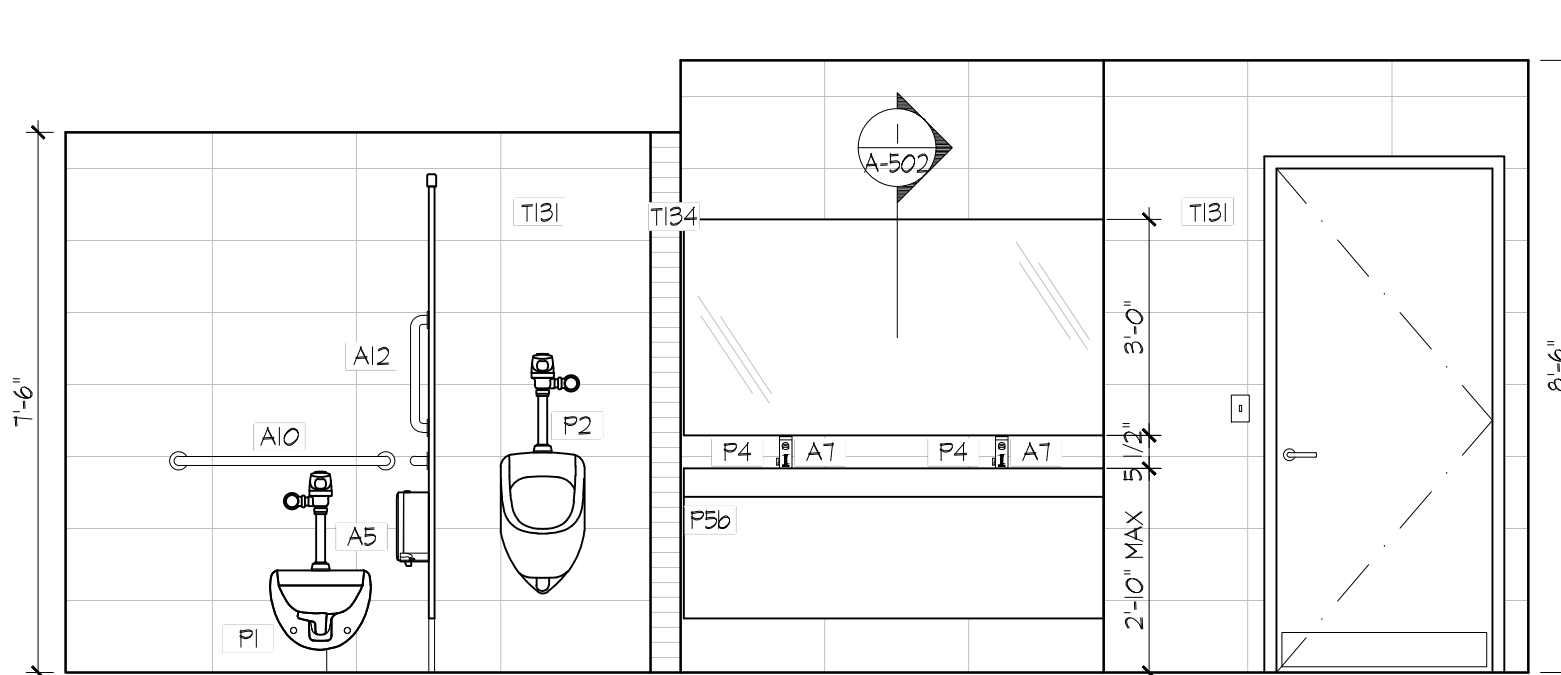
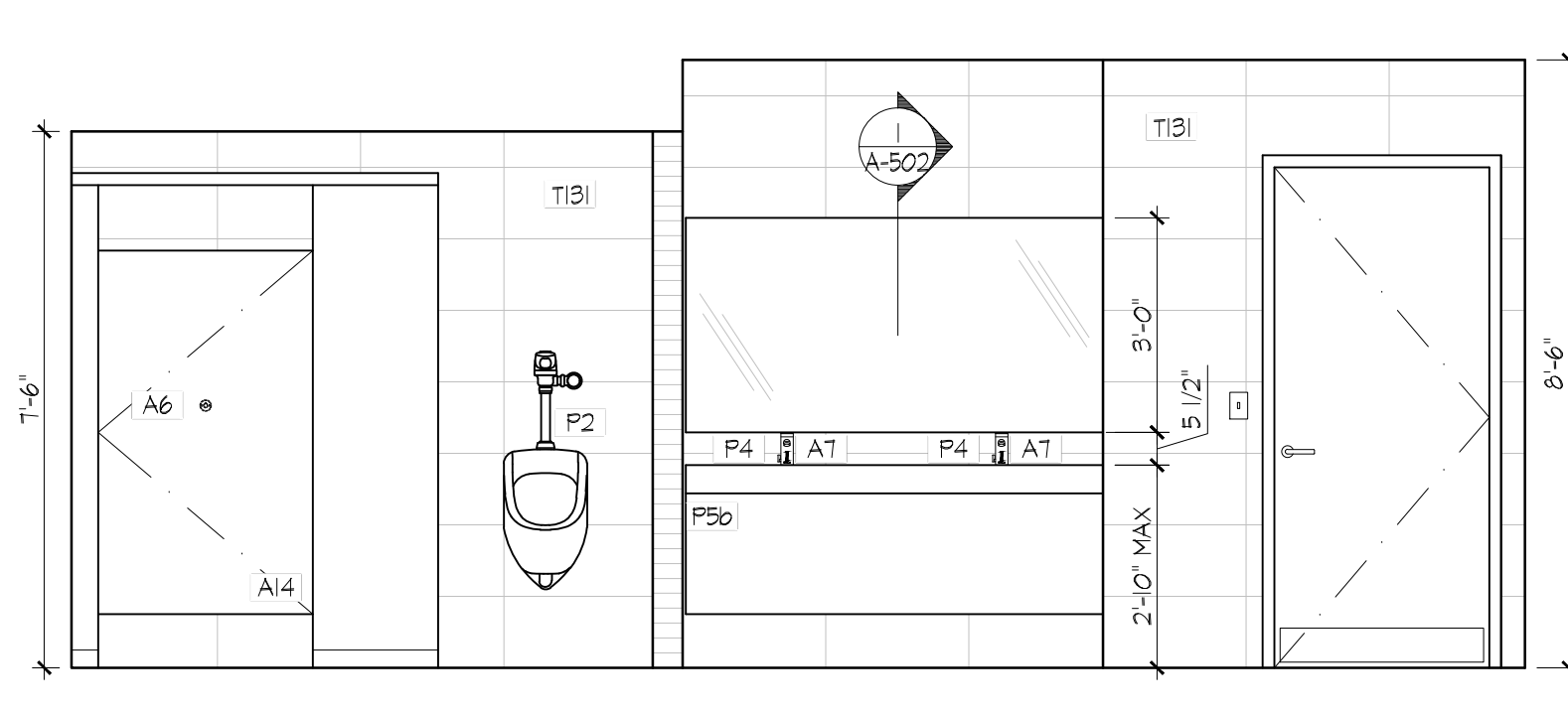
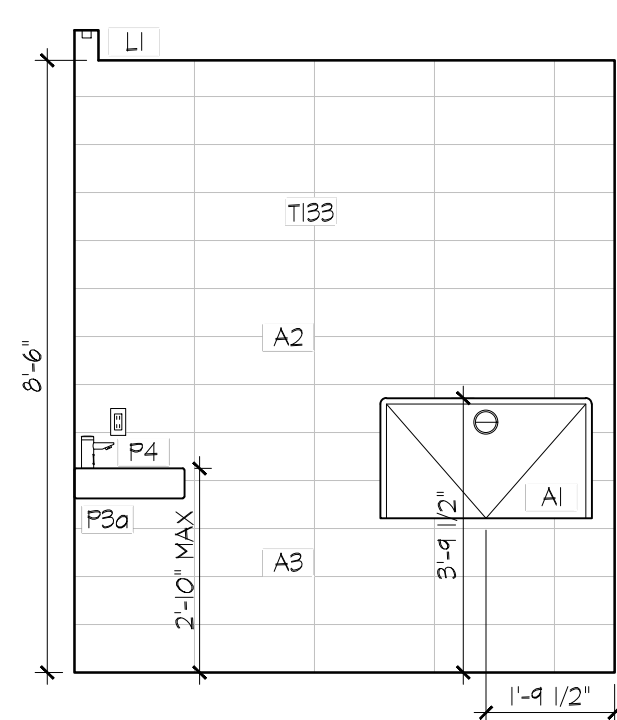
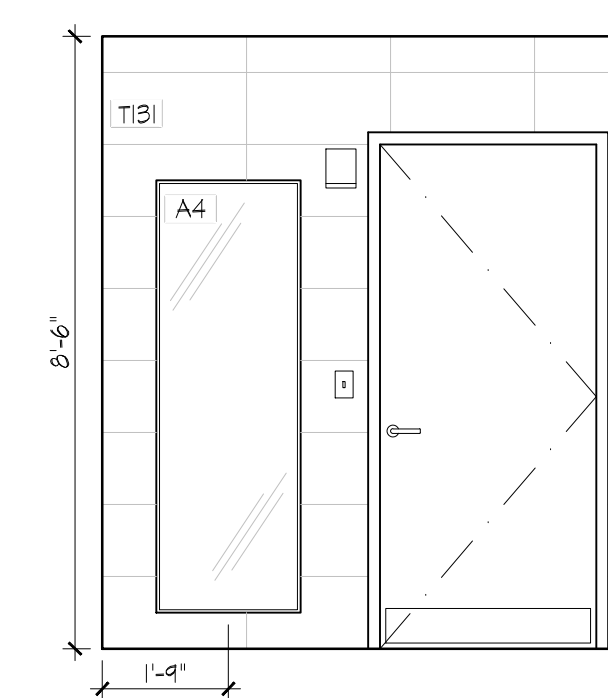
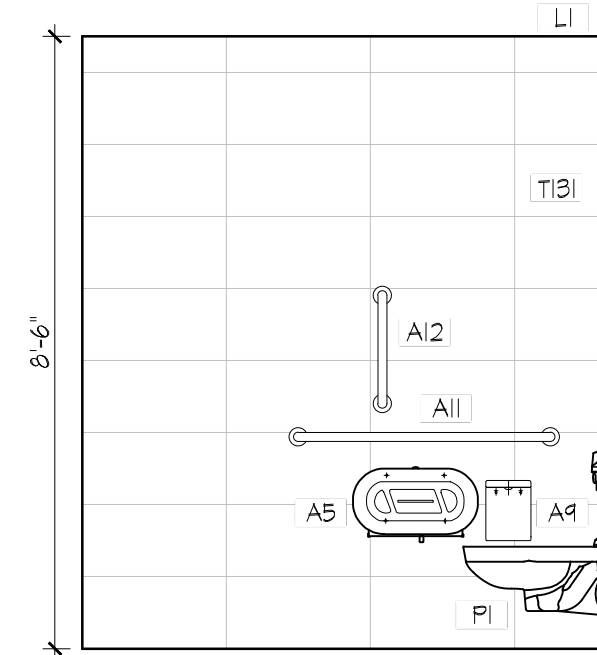
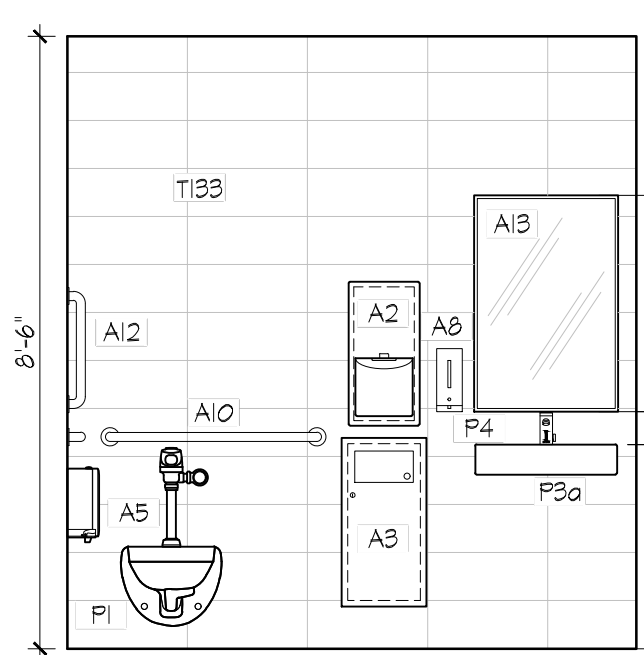
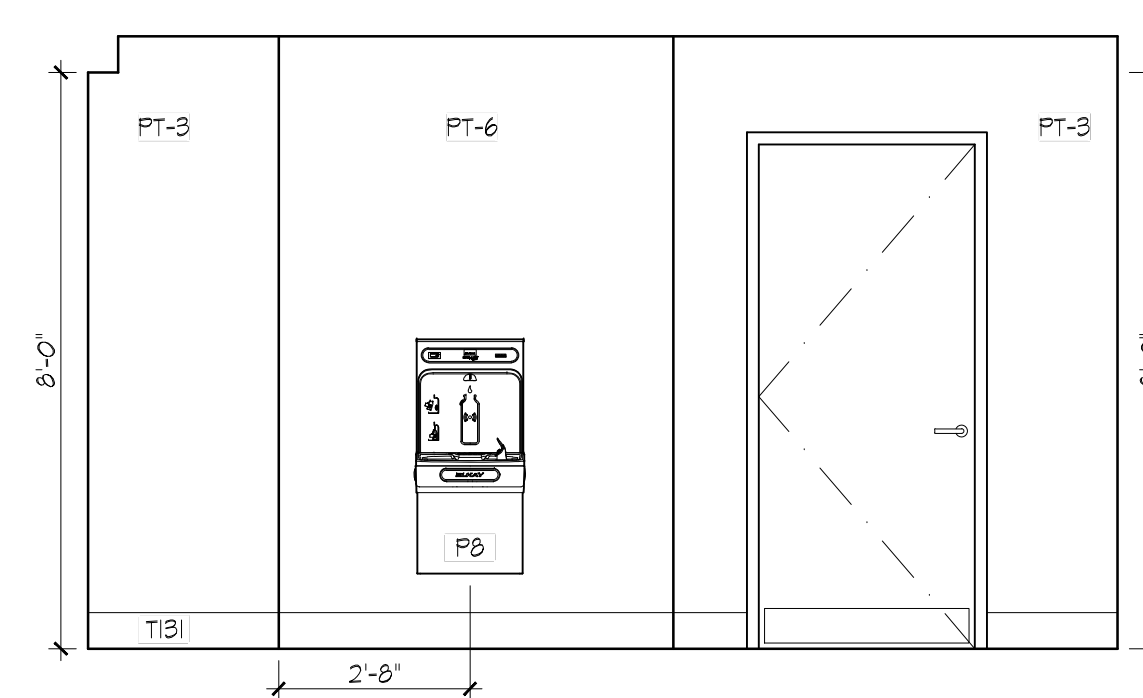
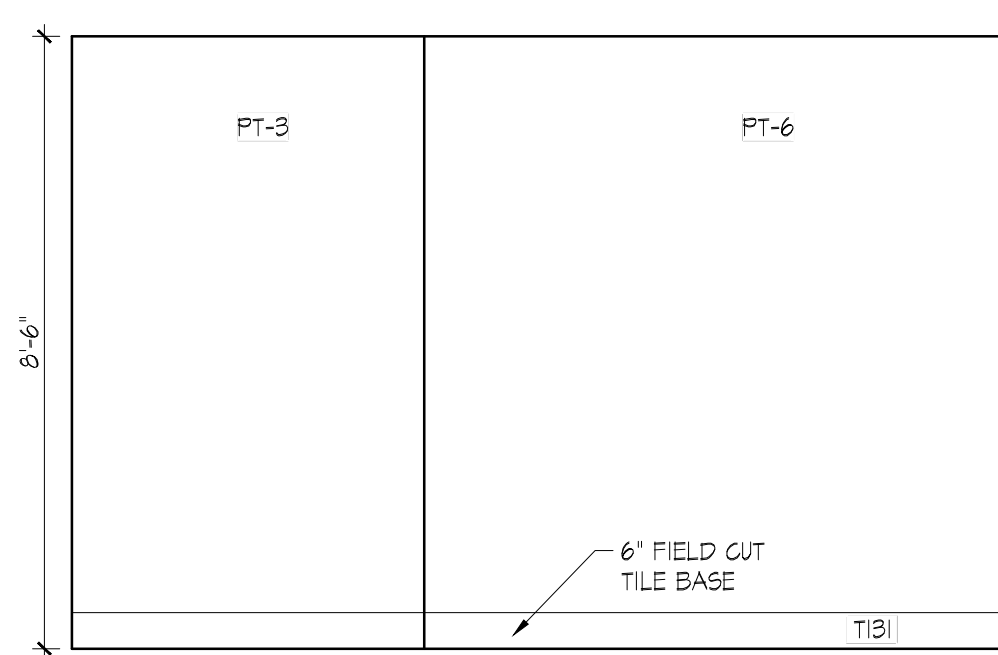
3 MEN'S 2013 NORTH
3/8" = 1'-0"



2 MEN'S 2013 WEST
3/8" = 1'-0"



1 MEN'S 2013 WEST
3/8" = 1'-0"

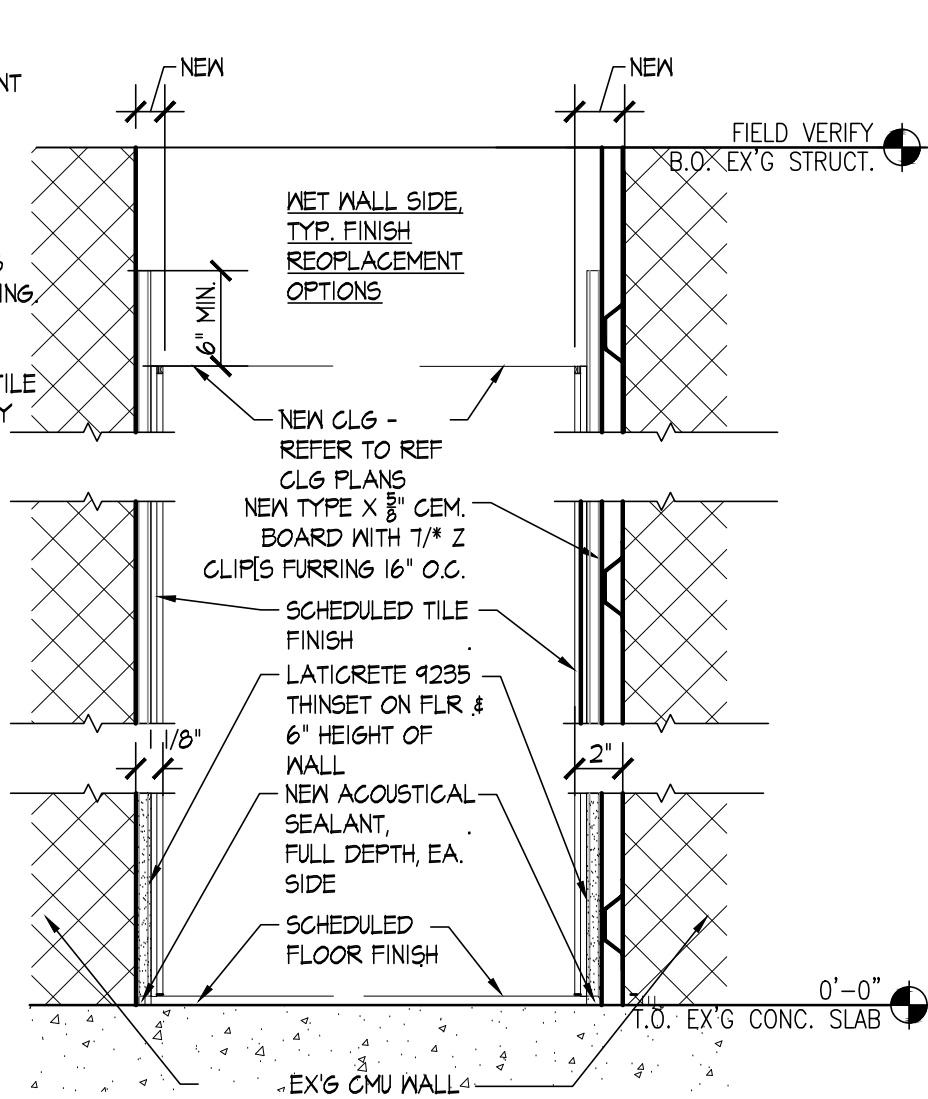


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FRIGING NOTE***

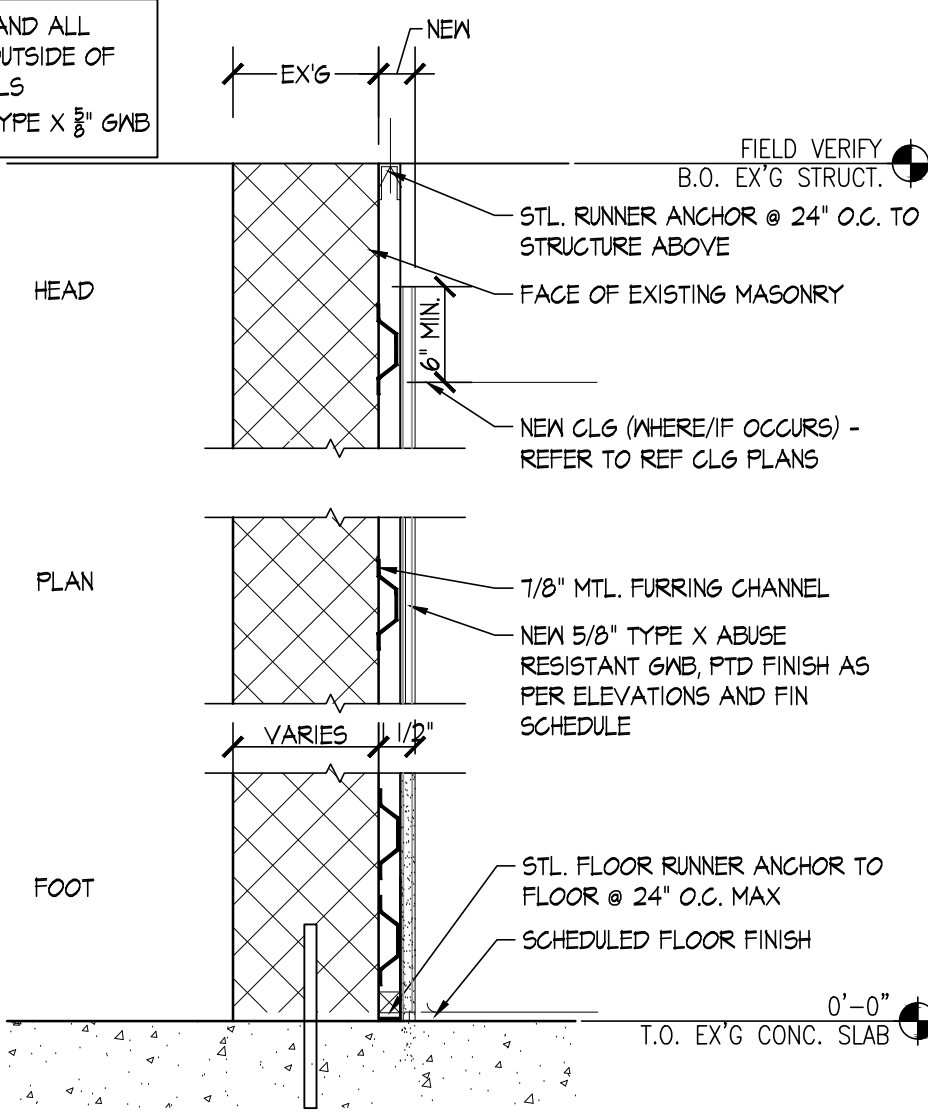
TILE FINISH REPLACEMENT SHALL MATCH EX'G CONDITIONS. FOR FRIGING PURPOSES ASSUME THAT EXISTING WALL TYPE FINISH REPLACEMENT INCLUDES CEMENT BOARD & FURRING.

PROVIDE DEDUCT UNIT PRICE REQUIRED FOR TILE INSTALLATION DIRECTLY ON CMU.

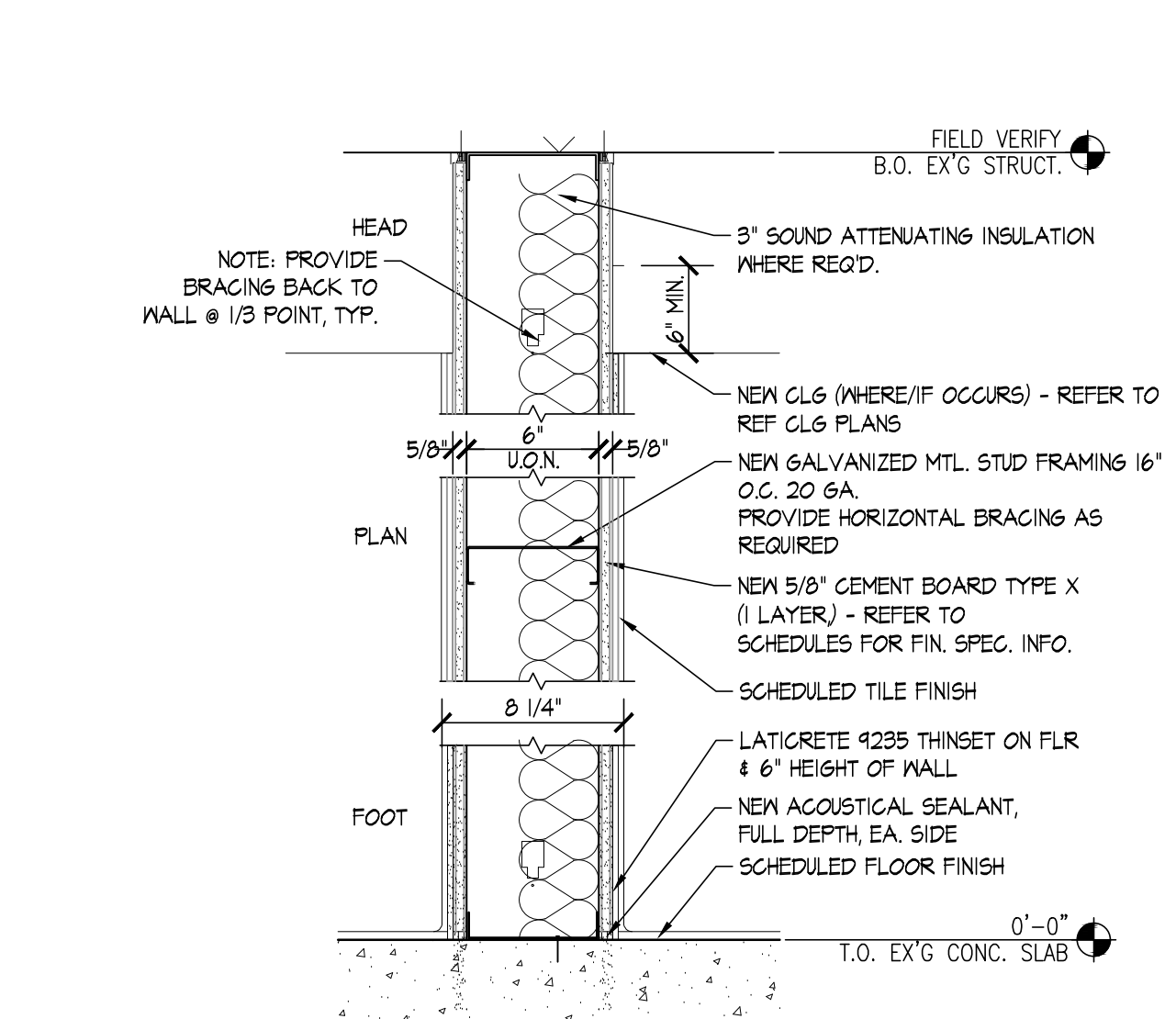


7 TYP. WET WALL FINISH REPLACEMENT
1-1/2"=1'-0"

* ON CORRIDOR SIDES AND ALL EXPOSED WALL SIDES OUTSIDE OF RESTROOMS/ TILED WALLS USE ABUSE RESISTANT TYPE X 5/8" GMB

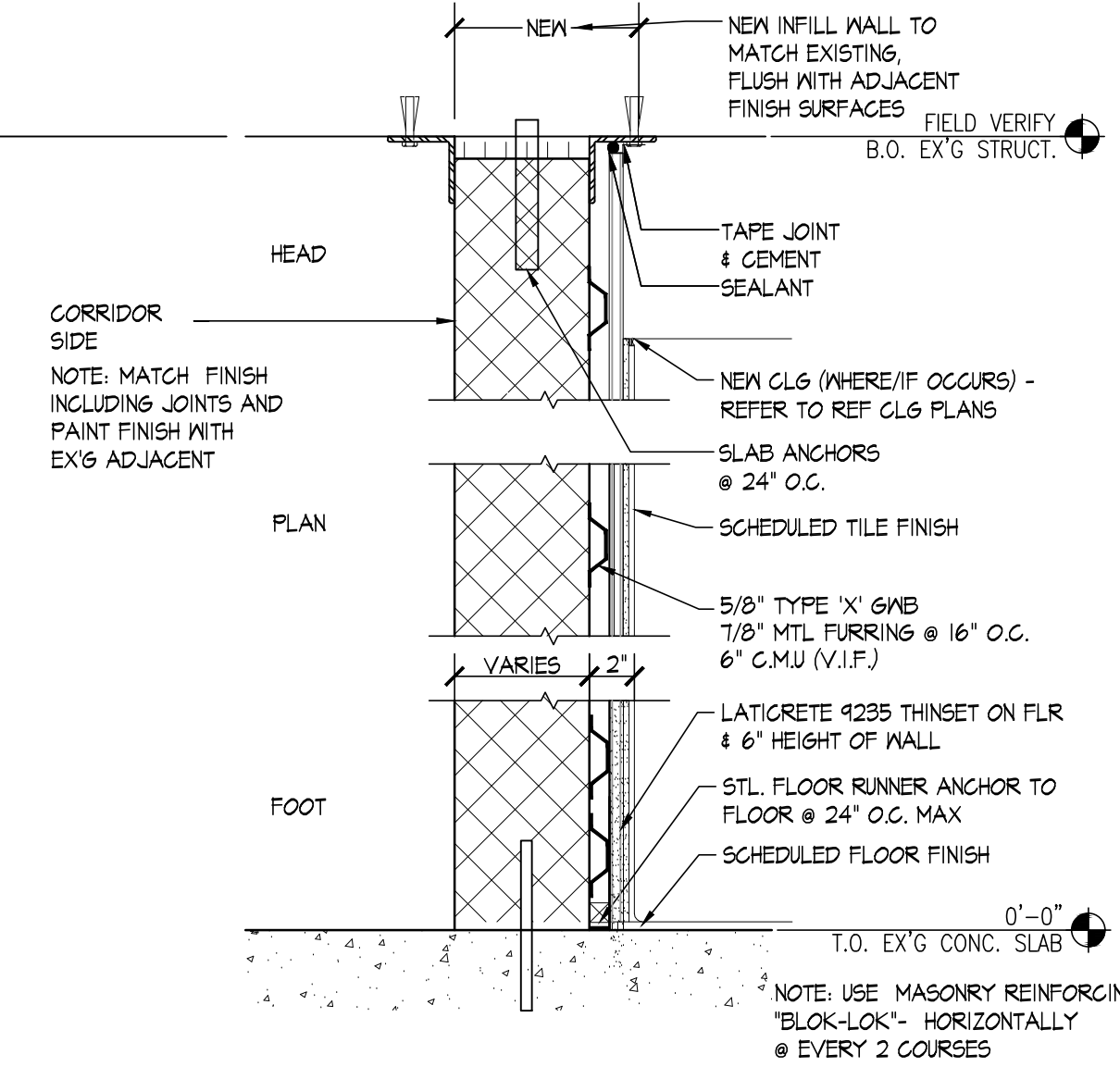


5A TYP. WALL FURRING
1-1/2"=1'-0"

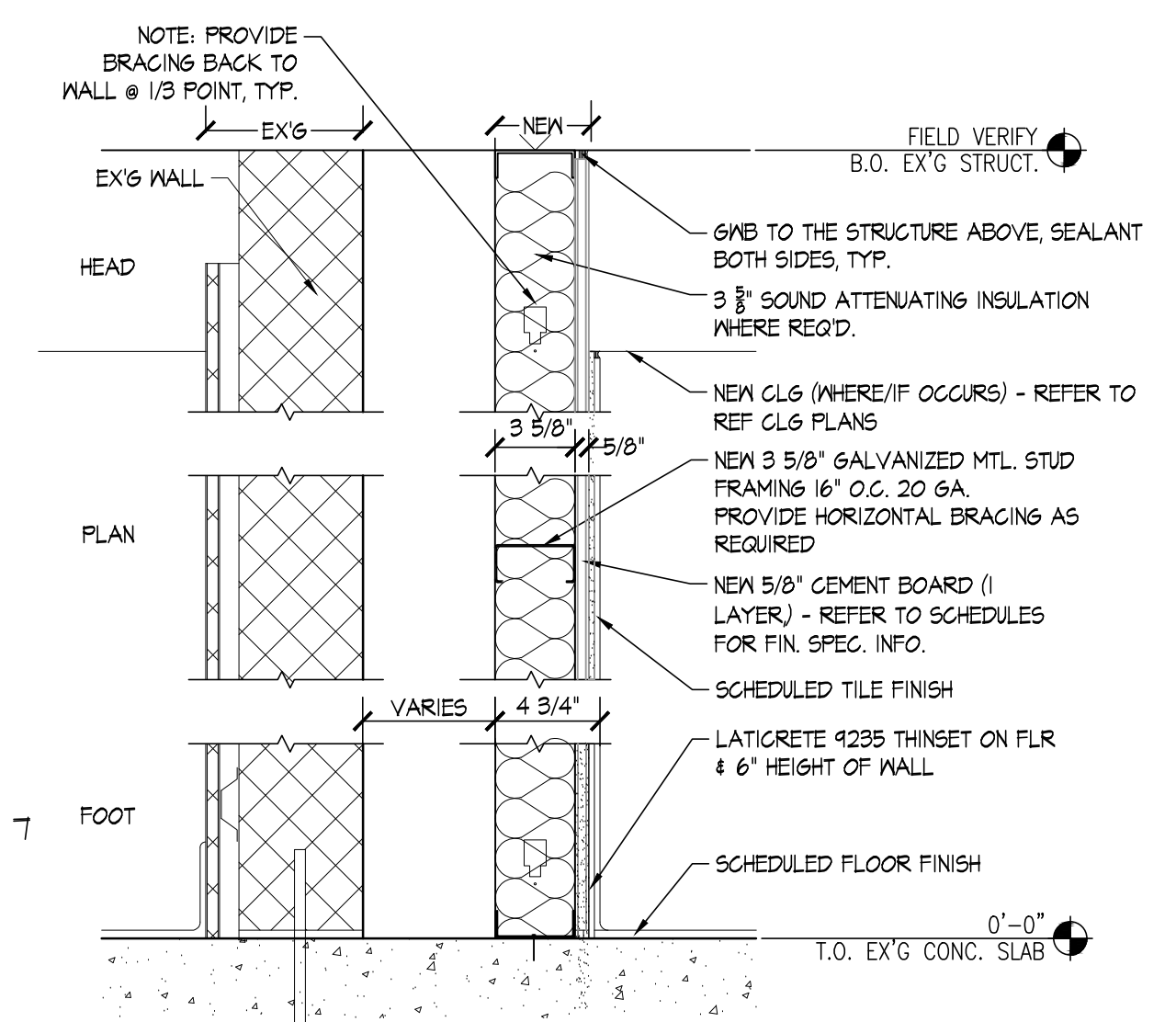


3 PLUMBING WALL
1-1/2"=1'-0"

1 TYPICAL PARTITION WALLS
1 1/2" = 1'-0"

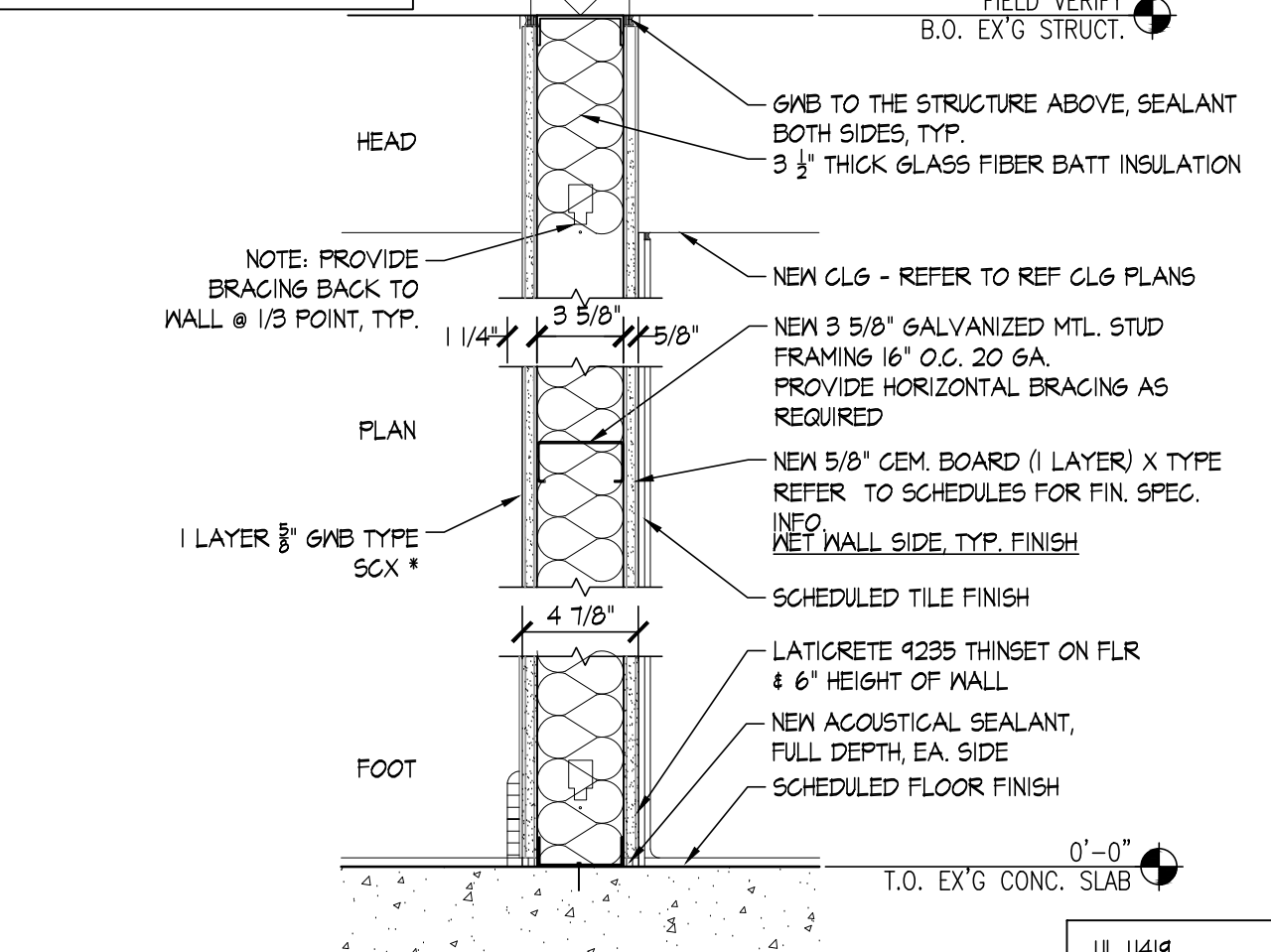


6 CMU WALL INFILL
1-1/2"=1'-0"



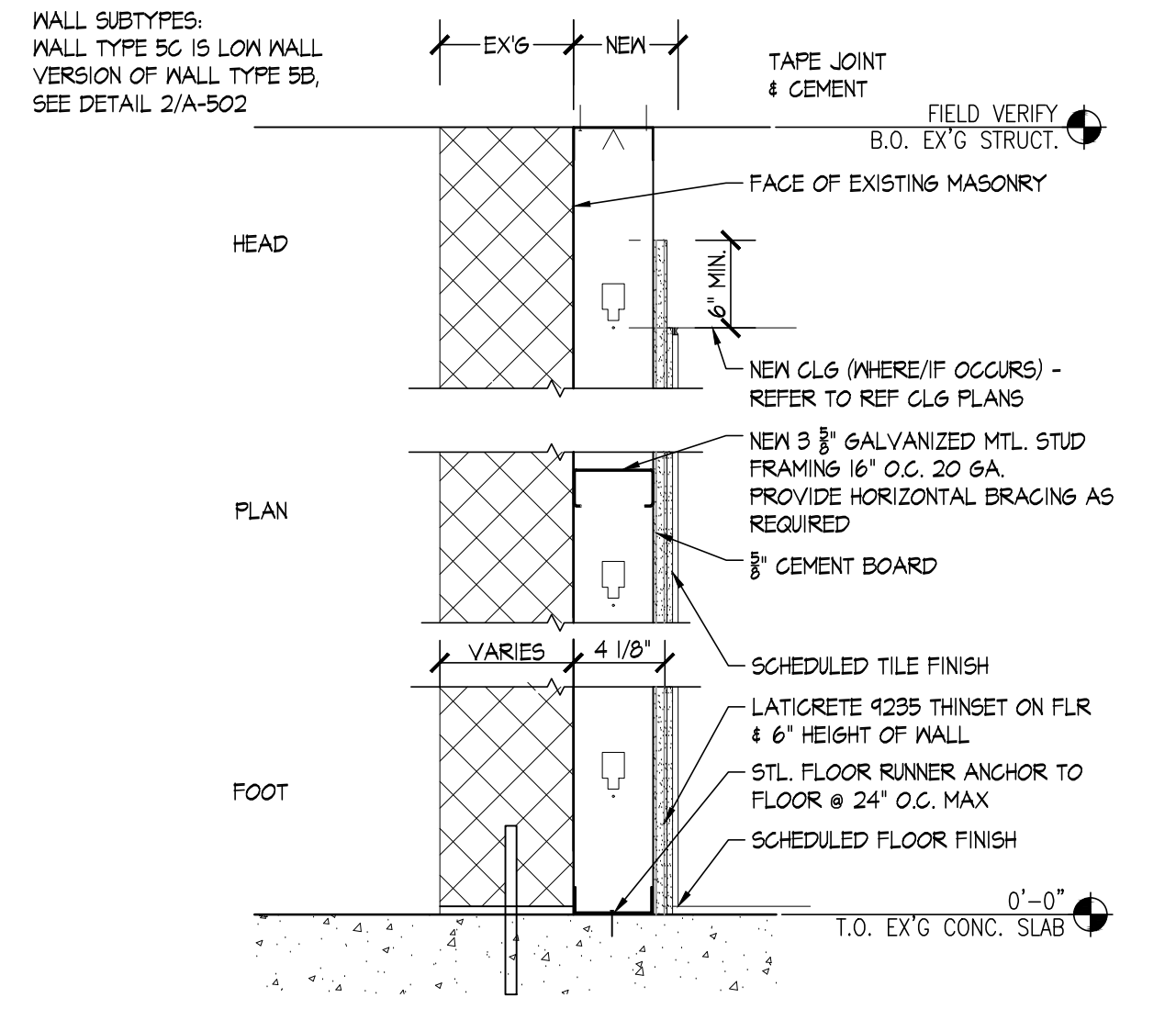
4A PLUMBING WALL: ONE SIDE
1-1/2"=1'-0"

* ON CORRIDOR SIDES AND ALL EXPOSED WALL SIDES OUTSIDE OF RESTROOMS/ TILED WALLS USE ABUSE RESISTANT TYPE X 5/8" GMB

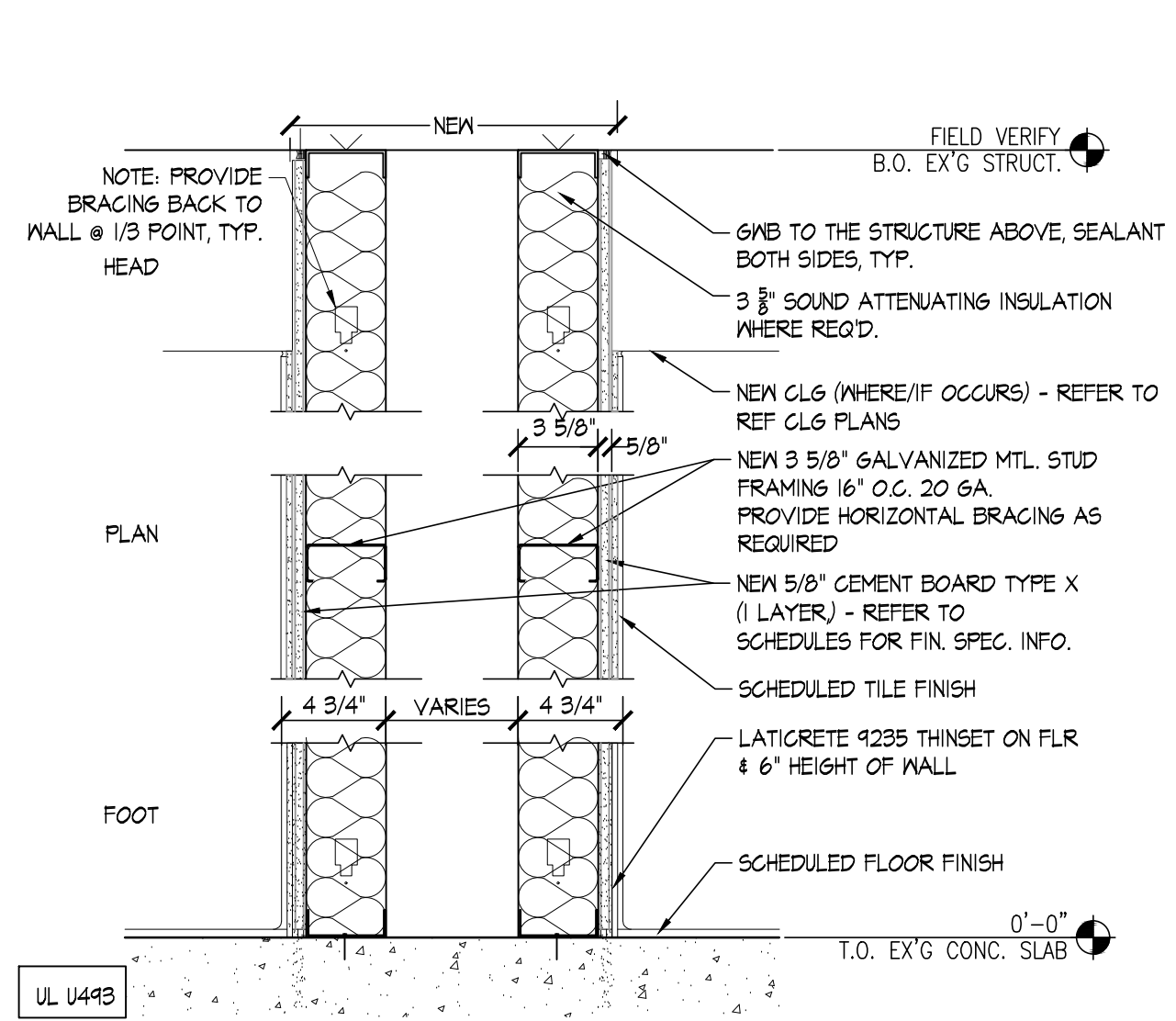


2 TYP. 1 HOUR RATED WALL
1-1/2"=1'-0"

2 TYP. 1 HOUR RATED WALL
1 1/2" = 1'-0"

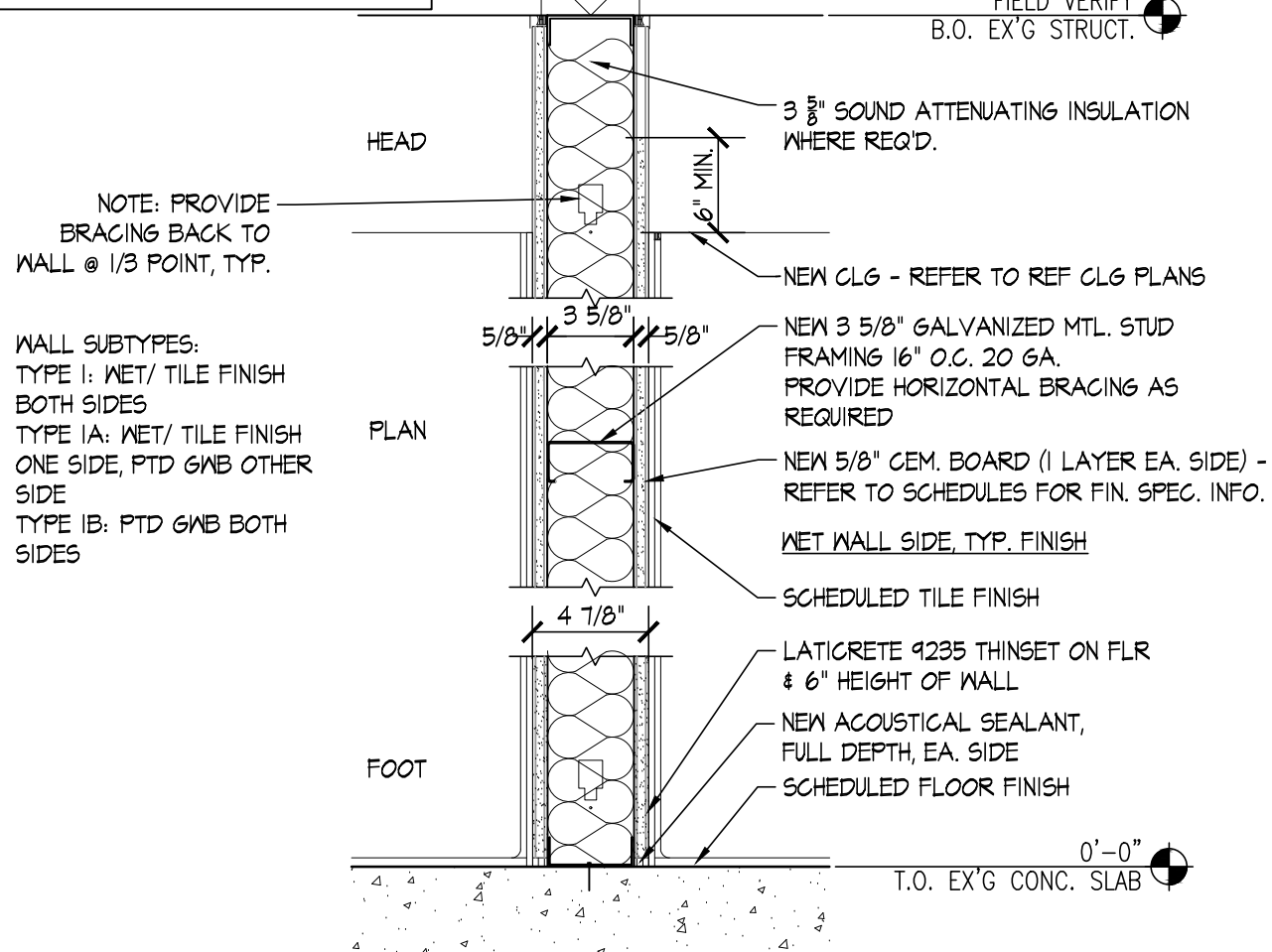


5B PLUMBING WALL FURRING
1-1/2"=1'-0"



4 PLUMBING CHASE WALL: TWO SIDES
1-1/2"=1'-0"

* ON CORRIDOR SIDES AND ALL EXPOSED WALL SIDES OUTSIDE OF RESTROOMS/ TILED WALLS USE ABUSE RESISTANT TYPE X 5/8" GMB



1 TYP. WALL
1-1/2"=1'-0"

1 TYP. WALL
1 1/2" = 1'-0"

PARTITION TYPE NOTES

1. REFER TO FLOOR PLANS FOR PARTITION TYPE LOCATIONS.
2. UNLESS OTHERWISE NOTED, DRYWALL PARTITIONS ARE DIMENSIONED TO FINISH FACE.
3. FOR ALL FIRE RATED PARTITION ASSEMBLIES, CONFORM TO PUBLISHED DESIGN REQUIREMENTS FOR TESTED ASSEMBLY LISTED.
4. FOR FIRE RATED PARTITIONS, PROVIDE HEAD OF WALL, BASE OF WALL, AND PENETRATION FIRESTOPPING.
5. OUTLET OR SWITCH BOXES LOCATED ON OPPOSITE SIDES OF WALLS OR PARTITIONS SHALL BE SEPARATED BY A MINIMUM HORIZONTAL DISTANCE OF 24 INCHES, (UL, INC.)
6. AT INTERSECTIONS OF RATED WALL & NON-RATED PARTITIONS, THE RATED PARTITION MUST BE CONTINUOUS TO MAINTAIN THE RATINGS.
7. GYPSUM WALLBOARD IS 5/8" TYPE X UNO.
8. ABUSE RESISTANT GYPSUM BOARD ON EXPOSED FACES OF WALLS, TYPICAL.
9. CEILINGS AND SOFFITS SHALL BE CONSTRUCTED WITH STANDARD GYPSUM BOARD.
10. IN ALL ROOMS OR SPACES CONTAINING SINKS OR OTHER PLUMBING FIXTURES, INSTALL MOISTURE RESISTANT GMB ON THE WET WALL & RETURN ON THE SIDE WALLS 4'-0"
11. AT CERAMIC WALL TILE INSTALLATIONS, SUBSTRATE SHALL BE APPROPRIATE BACKER BOARD FOR PROPER INSTALLATION. REFER TO SPECIFICATIONS.
12. REFER TO INTERIOR ELEVATIONS & DETAILS AND FINISH SCHEDULES LEGENDS AND NOTES ON SHEET A-601 FOR WALL FINISHES & WALL MOUNTED ACCESSORIES TO COORDINATE BLOCKING REQUIREMENTS.
13. REFER TO FINISH SCHEDULE & REFLECTED CEILING PLANS FOR THE CEILING TYPE & HEIGHT COORDINATE HEIGHTS OF GMB WITH CEILING HEIGHTS & WITH PARTITION DETAILS SHOWN
14. UNLESS OTHERWISE NOTED, OUTSIDE FACE OF DOOR FRAME SHALL BE LOCATED 4" FROM THE ADJACENT WALL.
15. WHERE NEW WALLS ARE BEING INSTALLED, ADJACENT TO 4" IN THE SAME PLANE AS EXISTING WALLS, NEW WALLS MUST BE LOCATED SO THAT FINISHED FACE OF NEW AND EXISTING ADJACENT WALLS MATCH AND ARE ALIGNED.
16. UNLESS OTHERWISE NOTED, ALL INTERIOR OUTSIDE CORNERS, INCLUDING BOTH GYPSUM WALL BOARD & TILE CORNERS SHALL RECEIVE CORNER GUARDS. CONTRACTOR IS RESPONSIBLE TO IDENTIFY QUANTITY OF EACH FOR ALL CORNER CONDITIONS. COORDINATE INSTALLATION WITH SCHEDULED FINISHES AND REQUIRED BLOCKING.

60 IS RESPONSIBLE FOR INSTALLATION OF ALL BLOCKING AT LOCATIONS WHERE FIXTURES & ACCESSORIES, ETC. ARE SHOWN. BLOCKING SHALL BE SIZED AS REQUIRED.

PRICE WALL ALTERNATES AS FOLLOW:

ALTERNATE #1
1. WALL TYPE 4 ALT. PRICE AS 2-HOUR RATED UL U449 U56 ASSEMBLY, WITH ADDITIONAL LAYER OF 5/8" GMB BOTH SIDES

WALL TYPE LEGEND:

WALL TYPE 1: NON-RATED WALL W/ MET/TILE FINISH BOTH SIDES
WALL TYPE 1A: NON-RATED WALL W/ MET/TILE FINISH ONE SIDE, PTD. GMB OTHER SIDE
WALL TYPE 1B: NON-RATED WALL W/ PTD. GMB BOTH SIDES
WALL TYPE 2: FIRE RATED WALL (1 HOUR); W/ MET/TILE FINISH ONE SIDE, PTD. GMB OTHER SIDE
WALL TYPE 3: PLUMBING WALL W/ MET/TILE FINISH BOTH SIDES
WALL TYPE 4: PLUMBING CHASE WALL W/ MET/TILE FINISH BOTH SIDES
WALL TYPE 4A: ONE SIDE PLUMBING CHASE WALL W/ MET/TILE FINISH ON FINISHED SIDE
WALL TYPE 5A: FURRED WALL, PTD GMB FINISH
WALL TYPE 5B: FURRED PLUMBING WALL, MET/TILE FINISH
WALL TYPE 6: CMU INFILL WALL TO MATCH EX'G WITH MET/TILE FINISH ONE SIDE
WALL TYPE 7: NEW MET/TILE WALL FINISH TO REPLACE EXISTING CONTRACTOR TO VERIFY IF EX'G TILE IS INSTALLED DIRECTLY ONTO CMU WALL OR IS TO REPLACE FINISH TYPE IN KIND.

***NOTE SUBTYPE 4A: DANCE BUILDING: WALL NOT TILED TO THE CEILING

NEW MET/TILE WALL FINISH TO REPLACE EXISTING CONTRACTOR TO VERIFY IF EX'G TILE IS INSTALLED DIRECTLY ONTO CMU WALL OR IS TO REPLACE FINISH TYPE IN KIND.

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RESTROOM RENOVATION PURCHASE COLLEGE

STATE UNIVERSITY OF NEW YORK

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PHASE 2:

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DANCE BUILDING
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Rev Date Issue
29 April 2022 Issue for Bid

Title DETAILS

Date 01-16-2020
Project No. 1944
Drawing By S.J. CQ
CHK By SN
Scale AS NOTED

D08 Rev
A-501.00
#

RESTROOM RENOVATION
PURCHASE COLLEGE

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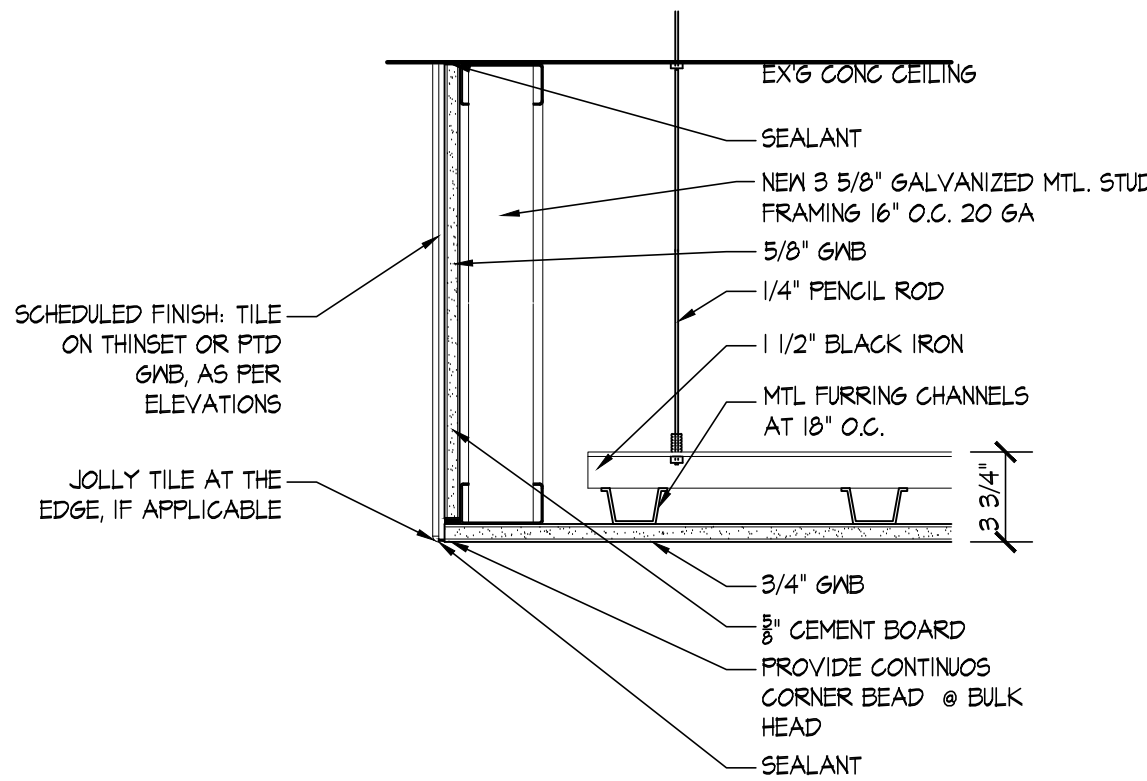
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Rev	Date	Issue
	29 April 2022	Issue for Bid

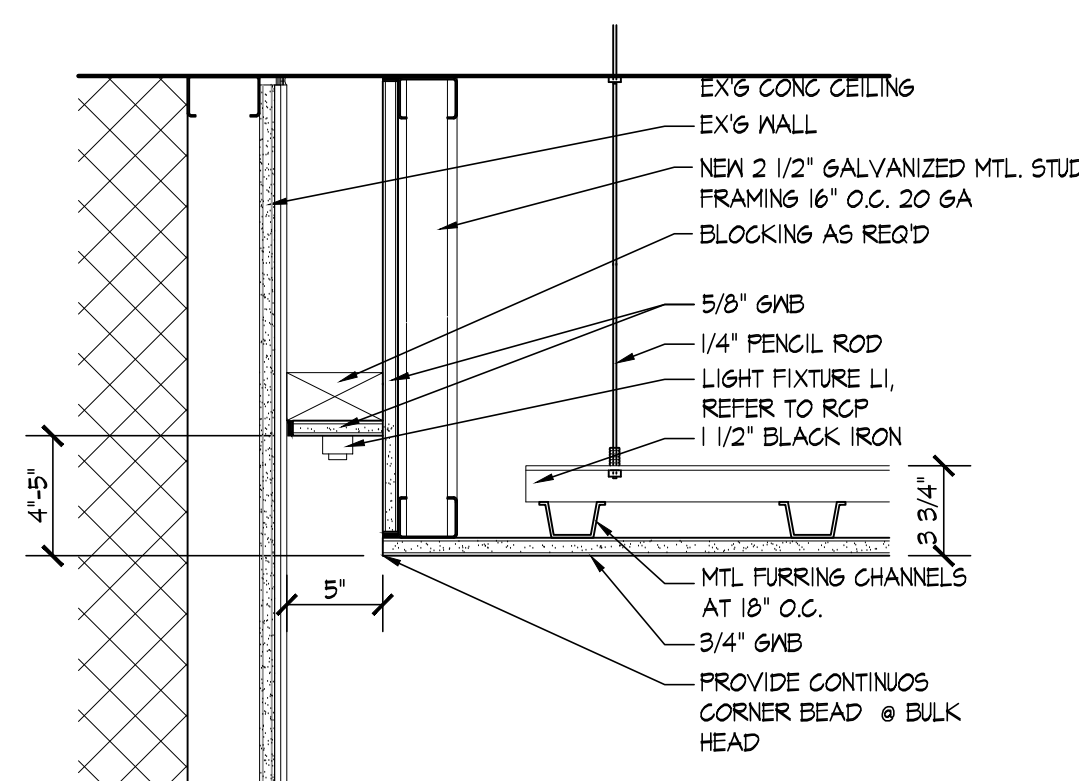
Title
DETAILS

Date	01-16-2020
Project No.	1944
Drawing By	SJ, CQ
CHK By	SN
Scale	AS NOTED

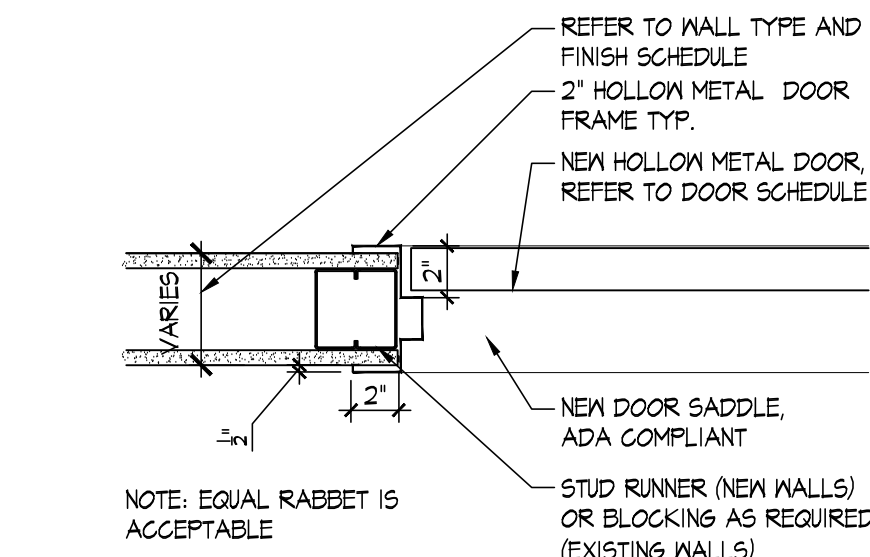
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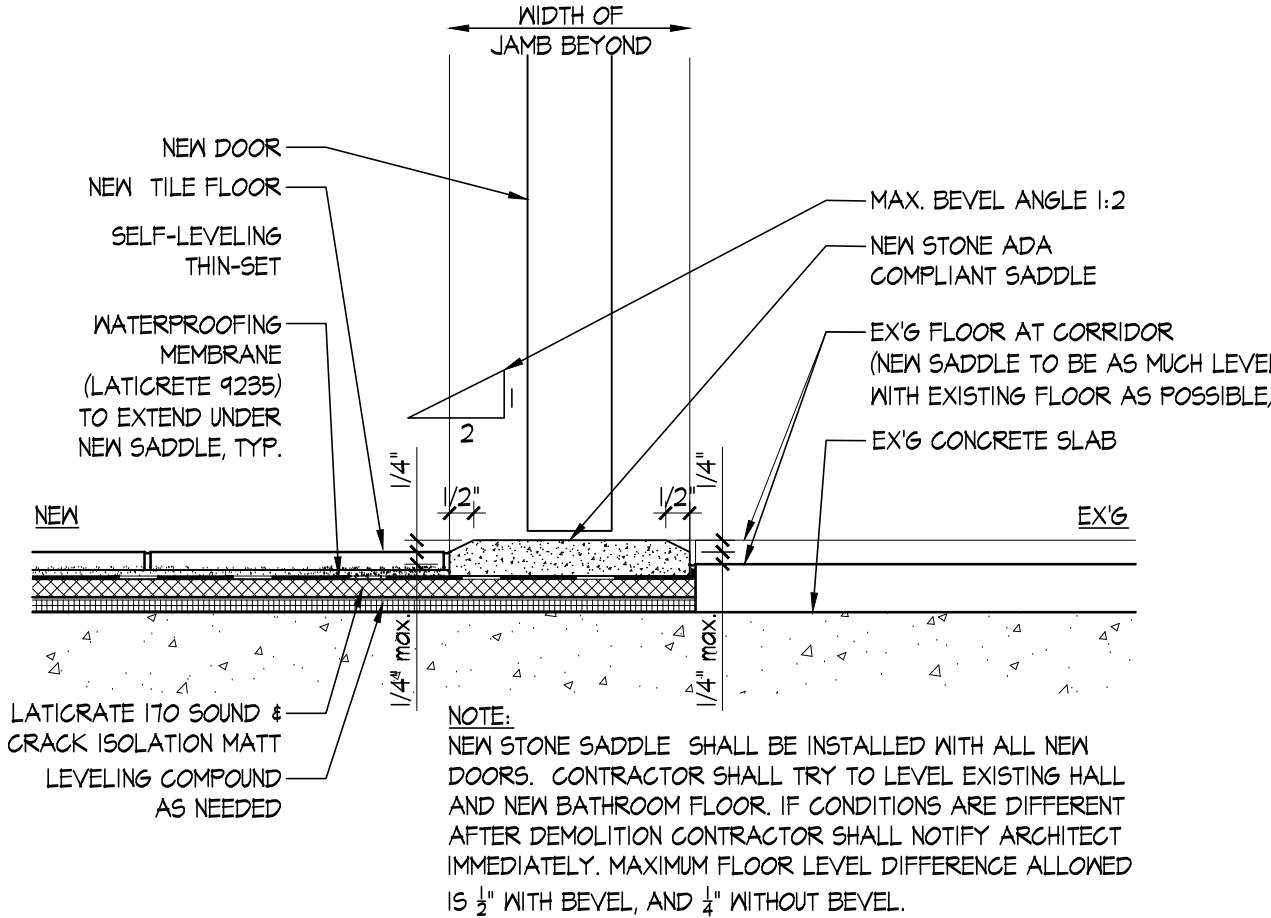
3 SUSPENDED CEILING & SOFFIT DETAIL
1 1/2" = 1'-0"



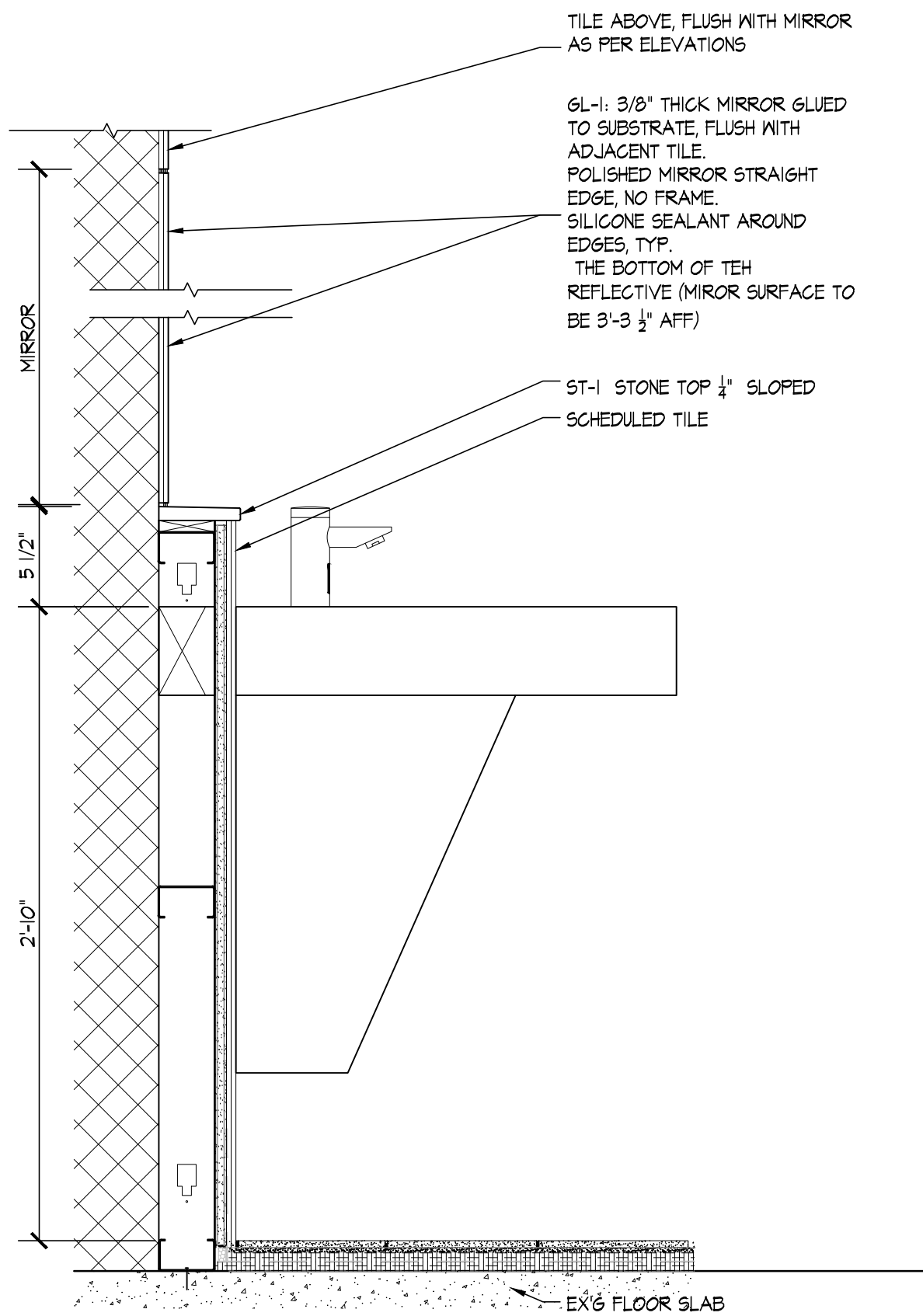
4 CEILING COVE
1 1/2" = 1'-0"



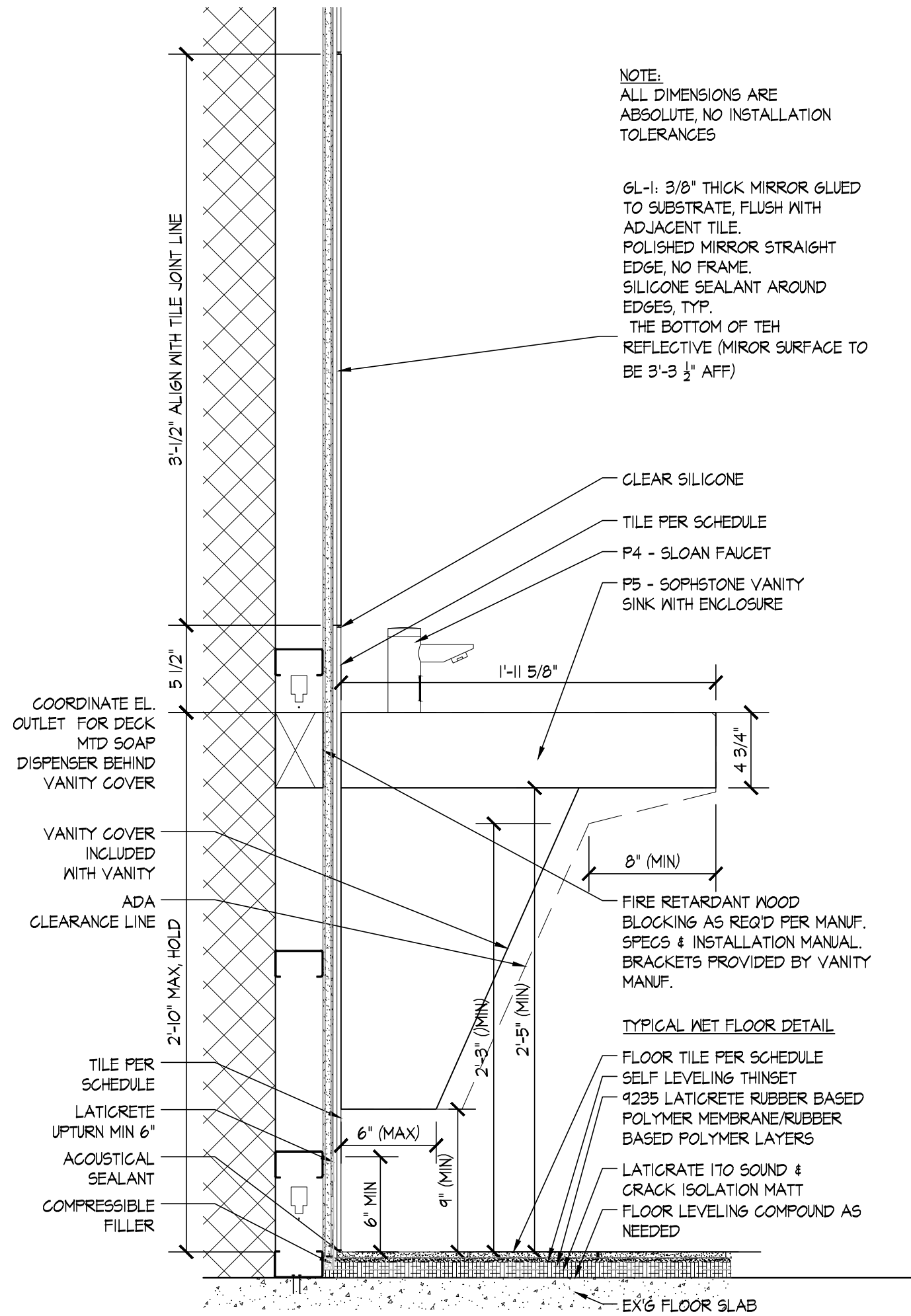
6 DOOR JAMB
1 1/2" = 1'-0"



5 ADA FLOOR SADDLE
3" = 1'-0"



2 LOW VANITY WALL @ MUSIC BUILDING
1 1/2" = 1'-0"



1 TYP WET FLOOR/WALL FINISH / VANITY / MIRROR
1 1/2" = 1'-0"

PLUMBING SCHEDULE								
TAG	ITEM	MANUF	STYLE	MODEL	DIM/DESCRIP	FIN	QTY	NOTES
P1	WALL MOUNTED TOILET	SLOAN	---	ST-2459	---	WHITE	22	
P1a	SOLAR POWERED DUAL FLUSH	SLOAN	----	8111-1/6/11	---	---	22	
P2	URINAL/FLUSH VALVE COMBO	SLOAN	----	WEJ5-10001201	---	---	8	
P3a	WALL MOUNTED SINK	DURAVIT	----	VERO	24" WIDE X 10.5" DEEP	WHITE	2	ONE FAUCET HOLE
P3b	WALL MOUNTED SINK	DURAVIT	----	VERO	31" WIDE X 10.5" DEEP	WHITE	1	ONE FAUCET HOLE
P4	FAUCET	SLOAN	----	OPTIMA SOLIS EAF-2751	---	CHROME	24	
P5b	VANITY SINK	SOPHSTONE	----	SOPH-ST10	10"X23 5/8"	COTTON	2	VANITY WITH BRACKETS AND ENCLOSURE
P5c	VANITY SINK	SOPHSTONE	----	SOPH-ST94	94"X23 5/8"	COTTON	4	COORDINATE FAUCET AND DECK MOUNTED DISPENSER HOLES
P5d	VANITY SINK	SOPHSTONE	----	SOPH-ST144	144"X23 5/8"	COTTON	2	COORDINATE EL. OUTLET BEHIND VANITY ENCLOSURE, TYP.
P6	MOP SINK	FIAT PRODUCTS	----	MSB 24X24	24X24"	---	2	
P7	MOP SINK WALL MOUNTED FAUCET	FIAT PRODUCTS	----	FIAT 830-A4	---	---	2	
P8	DRINKING FOUNTAIN	ELKAY	----	LZ58VSLP	---	---	3	

- NOTES:
REFER TO PLUMBING DRAWINGS AND SPECS. TYP.
- FOR ALL TOILETS PROVIDE TOILET SEAT CENOTOCO 500 ST-SCCFE-001
 - ALL FIXTURES TO BE MOUNTED AS PER DIMENSIONS PROVIDED IN SCHEDULE #5/A-004 FOR EACH TYPE OF RESTROOM
 - FOLLOW ALL APPLICABLE ADA REQUIREMENTS FOR INSTALLATION OF PLUMBING FIXTURES; REFER TO SHEET A-003, A-004
 - CONTRACTOR SHALL VERIFY QUANTITIES

ACCESSORY SCHEDULE								
TAG	ITEM	MANUF	STYLE	MODEL	DIM/DESCRIP	FIN	QTY	NOTES
A1	BABY CHANGING STATION	KOALA	---	KB110-S5NM	---	SS	5	SURFACE MTD. AS PER ADA GUIDELINES
A2	HAND DRYER	BOBRICK	---	B-3125	---	SS	17	INSTALLED IN PAIRS, SEE ELEVATION, AS PER ADA GUIDELINES
A3	RECESSED TRASH RECEPTACLE	BOBRICK	---	B-35633	---	SS	17	
A4	FULL LENGTH MIRROR	BOBRICK	---	B-290	24"X12'	SS	11	SEE LEVATIONS, CENTERED ON WALLS, U.O.N.
A5	TOILET PAPER HOLDER	BOBRICK	---	B-2842	---	SS	22	INSTALLED AS PER ADA GUIDELINES
A6	COAT HOOK	BOBRICK	---	B-541	---	SS	11	ON DOORS INSIDE AG RESTROOMS AND ADA STALLS
A7	AUTOMATIC SOAP DISPENSER	SLOAN	SURFACE MOUNT	OPTIMA ESP 2000CP	---	---	26	DECK MOUNTED, COORDINATE W/ELC. AND PROVIDE AC ADAPTER
A8	AUTOMATIC SOAP DISPENSER	BOBRICK	WALL MOUNT	B-2013	---	---	3	BATTERY OPERATED
A9	SANITARY NAPKIN DISPOSAL	BOBRICK	---	B-210	---	SS	16	IN AG AND WOMEN'S RESTROOMS
A10	GRAB BAR	BOBRICK	---	B-5806	36"	SS	11	INSTALLED AS PER ADA GUIDELINES
A11	GRAB BAR	BOBRICK	---	B-5806	42"	SS	11	INSTALLED AS PER ADA GUIDELINES
A12	GRAB BAR	BOBRICK	---	B-5806	18"	SS	11	INSTALLED AS PER ADA GUIDELINES
A13	MIRROR	BOBRICK	---	B-290	24"X36"	SS	3	MOUNTED HEIGHT AS PER ADA GUIDELINES
A14	TOILET PARTITIONS	BOBRICK	OVERHEAD BRACED	C6L- 1082 DURALINE	---	TBD	---	SEE DRAWINGS, PEINTER MASH FINISH
A16	KLUTCH HOLDER/HOOK	BOBRICK	---	B-635	---	SS	0	NOT USED

- CONTRACTOR SHALL VERIFY ALL COUNTS & LOCATIONS SO THAT EACH BATHROOM IS PROVIDED WITH REQUISITE NUMBER OF ACCESSORIES TO SUIT FIXTURES & LAYOUT.
- TOILET COMPARTMENT/PARTITIONS TO BE FABRICATED AFTER FIELD VERIFICATION ACCOUNTING FOR INSTALLED FINISHES & APPROVED SHOP DRAWINGS.
- INSTALLATION OF ACCESSORIES TO FOLLOW ADA STANDARDS AS PER SHEET A-003 AND A-004 AND CONSTRUCTION PLAN NOTES REGARDING REQUIRED BLOCKING AND STANDARDS.
- MOUNTING HEIGHTS AS PER ADA GUIDELINES ON SHEET A-004, A005, LOCATIONS AS PER PLANS/ ELEVATIONS

LIGHT SCHEDULE								
TAG	TYPE	MFR	MODEL	FIN	WATTAGE COLOR TEMP/ CRI	LAMP	QTY	NOTES
L1	LINEAR LED COVE LIGHT	LUCETTA LIGHTING	CELESTE LINEAR	WHITE	1.8W/FT / 3000K/90 CRI	LED	---	QTY IS IN LINEAR FEET, SEE DRAWINGS
L1ALT	LINEAR LED COVE LIGHT	QTRAN	TORG-ENCAPSULATED /3	SATIN	1.5W/FT / 3000K/90 CRI	LED	---	QTY IS IN LINEAR FEET, SEE DRAWINGS
L2	4" RECESSED ROUND	COOPER LIGHTING	HALO LCR 4, REGRESSED	WHITE	10W MIN / 3000K/90 CRI	LED	61	3000K, 90 CRI, FROSTED GLASS COVER
L4	WALL LINEAR SURFACE MTD	COOPER LIGHTING	NEO RAY: HUNTINGTON DEFINE 3'	WHITE	/ 3000K / 90 CRI	LED	44 FT	DIRECT/ INDIRECT, QTY IS IN LINEAR FEET 4x 8', 2x7'
L4ALT	WALL LINEAR SURFACE MTD	ALCON LIGHTING	12100-20-W-D/I (2.5'X4'X8')	WHITE	DOWNLIGHT: 4.5 WATT / 134 LUMEN UPLIGHT: 4.5 WATT / 530 LUMEN	LED	44 FT	DIRECT/ INDIRECT, QTY IS IN LINEAR FEET 4x 8', 2x7'
L5	OVERSIZE PENDANT	DELRAY LIGHTING	DOSIO 3'	WHITE	75W / 3000K / 90 CRI	LED	2	SEPARATE REMOTE MOUNTING, 3000K , 90 CRI

- NOTES:
REFER TO ELECTRICAL DRAWINGS, SCHEDULES AND SPECS. TYP.
- REFER TOP ELECTRICAL DRAWINGS FOR DETAILS, CONTROLS AND WIRING.
 - SUBMITTALS REQUIRED
 - COORDINATE MOUNTING HEIGHTS W/ ARCHITECT PRIOR TO INSTALLATION.

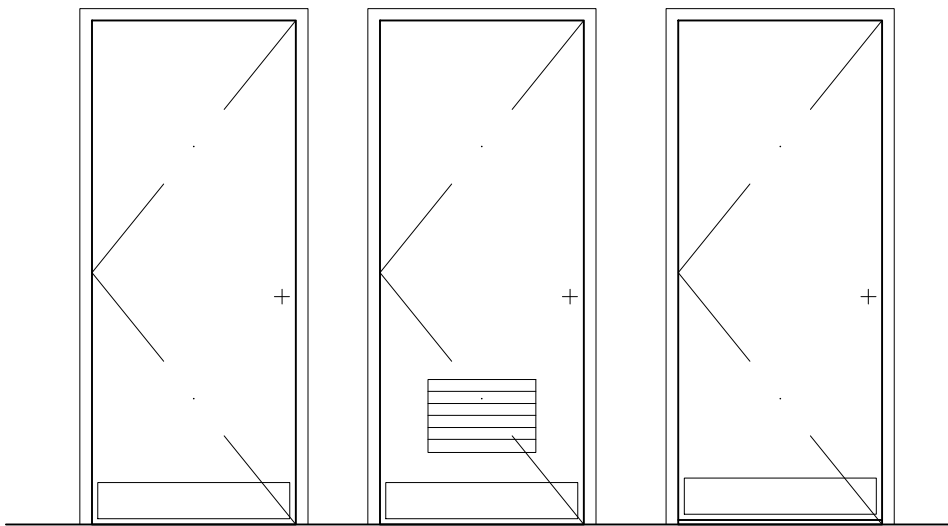
DOOR SCHEDULE																			
LOCATION				DOOR						FRAME				THRESHOLD		HWR			
	MARK	FROM	TO	TYPE	WIDTH	HEIGHT	THK	FIRE RATING	MAT	FIN	HEAD	JAMB	MAT	FIN	MAT	DTL	SET	COMMENTS	
MISC	01	CORR.	0004A	B	3'-0"	T-10"	1 3/4"	45 MIN	MTL	PT-2'	---	---	MTL	PT-2'	ST-1	4/A-502	1	LOUVER 12'X10' 0.45F 100% FREE AREA	
	02	CORR.	0004	B	3'-0"	T-10"	1 3/4"	45 MIN	MTL	PT-2'	---	---	MTL	PT-2'	ST-1	4/A-502	1	LOUVER 12'X10' 0.45F 100% FREE AREA	
	03	CORR.	0004B	C	3'-0"	T-10"	1 3/4"	45 MIN	MTL	PT-2'	---	---	MTL	PT-2'	ST-1	4/A-502	2		
	04	VEST.	0002D	EX'G	3'-0"	T-10"	1 3/4"	45 MIN	MTL	PT-2'	---	---	MTL	PT-2'	VGT	---	4	REUSE DOOR & PARTIAL HARDWARE, REFURBISH AS NEEDED, NEW FRAME, HINGES	
DANCE	05	CORR.	1011	A	3'-0"	6'-10"	1 3/4"	45 MIN	MTL	PT-2'	---	---	MTL	PT-2'	ST-1	4/A-502	1		
	06	CORR.	1044	A	3'-0"	6'-10"	1 3/4"	45 MIN	MTL	PT-2'	---	---	MTL	PT-2'	ST-1	4/A-502	1		
PHYSICAL ED.	07	CORR.	2012	B	3'-0"	T-10"	1 3/4"	45 MIN	MTL	PT-2'	---	---	MTL	PT-2'	ST-1	4/A-502	1	LOUVER 18'X12' 0.75F 100% FREE AREA	
	08	CORR.	2012A	C	3'-0"	T-10"	1 3/4"	45 MIN	MTL	PT-2'	---	---	MTL	PT-2'	ST-1	4/A-502	2		
	09	CORR.	2013A	C	2'-6"	T-10"	1 3/4"	45 MIN	MTL	PT-2'	---	---	MTL	PT-2'	ST-1	4/A-502	3		
	10	CORR.	2013	B	3'-0"	T-10"	1 3/4"	45 MIN	MTL	PT-2'	---	---	MTL	PT-2'	ST-1	4/A-502	1	LOUVER 18'X12' 0.95F 100% FREE AREA	
LIBRARY	11	LOBBY	1008A	C	3'-0"	T-0"	1 3/4"	45 MIN	MTL	PT-2'	---	---	MTL	PT-2'	ST-1	4/A-502	2		
	12	LOBBY	1008	B	3'-0"	T-0"	1 3/4"	45 MIN	MTL	PT-2'	---	---	MTL	PT-2'	ST-1	4/A-502	1	LOUVER 10'X8' 0.35F 100% FREE AREA	
	13	LOBBY	1009	B	3'-0"	T-0"	1 3/4"	45 MIN	MTL	PT-2'	---	---	MTL	PT-2'	ST-1	4/A-502	1	LOUVER 10'X8' 0.35F 100% FREE AREA	

- NOTES:
- ALL DOORS TO RECEIVE METAL KICK PLATES, 10" HIGH
 - FOR DOORS & HARDWARE DETAILS REFER TO SPECIFICATIONS, TYP
 - FLOOR TRANSITIONS AT DOORS SHALL MEET ADA PROVISIONS INCLUDING #303, CHANGES IN LEVEL & PROVIDE EITHER A MAX VERTICAL CHANGE IN HEIGHT OF 1/4" OR 1/4" PLUS 1/4" BEVELED TRANSITION.
 - ALL TRANSITIONS EXCEEDING 1/2" MUST BE RAMPED
 - ALL NEW DOORS ARE TO BE LOCATED 4" FROM FINISH FACE OF ADJACENT WALL TO OUTSIDE EDGE OF DOOR FRAME UNLESS OTHERWISE NOTED, OR EX'G CONDITIONS
 - ALL DOOR HARDWARE SHALL ALLOW FOR FREE EGRESS FROM ANY SPACE
 - DOOR AND FRAME HEIGHT: ALL DOOR HEIGHTS TO MATCH EX'G. ALL FRAME HEIGHTS TO MATCH EX'G.
 - V.I.F. DOOR HT & DOOR FRAME HT:
 - FINISH: ALL EXTERIOR SIDES OF DOORS AND FRAMES WILL MATCH EXISTING & ADJACENT (COORDINATE WITH FACILITIES)
 - INTERIOR SIDE OF DOORS AND FRAMES TO BE PT-3 AS PER SCHEDULE
 - ALL FIRE RATED DOORS SHALL HAVE SURFACE MOUNTED CLOSER
 - DOOR LOUVERS TO BE 10X16, COORDINATE WITH MECHANICAL AND SPECS
 - SUBMITTALS REQUIRED
 - HARDWARE: MORTISE LOCK WITH SMALL CORE AS PER FACILITIES STANDARDS, REFER TO SPECIFICATIONS

HARDWARE LEGEND:

1	HARDWARE SET 1: MULTI PERSON RESTROOM CLASSROOM LOCKSET TYPE	8	COUNT:	
2	HARDWARE SET 2: SINGLE PERSON RESTROOM DORMITORY LOCKSET TYPE	3	COUNT:	
3	HARDWARE SET 3: CLOSET CUSTODIAL LOCKSET TYPE	1	COUNT:	
4	HARDWARE SET 4: EX'G/ MATCH EX'G	1	COUNT:	

HDMR SET 2: EXAMPLE (REFER TO SPECS FOR EXACT CONFIGURATIONS)			FIN
1	LOCK SET	SEE HARDWARE LEGEND	
1	TRIM SET		
1	LATCH	-	
3	HINGES		
3	SILENCERS		
1	STOP		
1	SURFACE CLOSER	FOR FIRE RATED DOORS ONLY	NORTON T810
1	OCCUPANCY SENSOR		
1	KICK PLATE		



NOTES:
FOR DOORS AND HARDWARE DETAILS
REFER TO SPECIFICATIONS, TYP.

DOOR LEGEND:

- A NEW METAL DOOR & FRAME
COUNT: 2
- B NEW METAL LOUVERED DOOR & FRAME
COUNT: 6
- C NEW METAL DOOR & FRAME, DOOR UNDERCUT 3/4"
COUNT: 5

FINISH SCHEDULE																										
ELEVATIONS																										
ROOM #	ROOM	FLOOR	BASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	CLNG	NOTES
M 0004	MEN'S	T-103	--	T-103	T-106, T-103	T-101	T-101	T-101, T-103	T-101, T-103	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PT-1	
M 0004A	WOMEN'S	T-102	--	--	--	--	--	--	--	T-104, T-105	T-100, T-105	T-100, T-105	T-100	T-104	--	--	--	--	--	--	--	--	--	--	PT-1	
M 0004B	ALL GENDER	T-101	--	--	--	--	--	--	--	--	--	--	--	--	T-103	T-103	T-101	T-103	--	--	--	--	--	--	PT-1	
CORR	CORRIDOR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PT-2	--	--	--	--	--	PT-1	
D 1011	MEN'S	T-114	--	--	--	--	--	--	T-110	T-113	T-113	T-115	T-110	--	--	--	--	--	--	--	--	--	--	--	PT-1	PT-2, WALLS ABOVE TILE
D 1044	WOMEN'S	T-114	--	T-115	T-113	T-113	T-110	T-110	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PT-1	PT-2, WALLS ABOVE TILE
PE 2012	WOMEN'S	T-124	--	T-120	PT-6	T-122, T-125, PT-2	T-122, T-125, PT-2	T-125	PT-2	T-120, PT-6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PT-1	
PE 2012A	ALL GENDER	T-124	--	--	--	--	--	--	--	T-120, T-122	T-122	T-120, T-122	T-120	--	--	--	--	--	--	--	--	--	--	--	PT-1	
PE 2013	MEN'S	T-124	--	T-120	PT-6	T-120, PT-6	T-125	PT-2	T-123, PT-2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PT-1	
PE 2017	LOBBY	T-124	--	--	--	--	--	--	--	PT-2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PT-1	
PE 2018A	CUSTODIAL	T-124	--	--	--	--	--	--	--	--	T-125	T-125	T-125	T-125	--	--	--	--	--	--	--	--	--	--	PT-1	
L 1008	WOMEN'S	T-130	--	T-131, T-133	T-134	T-131, T-134	T-131, T-134	T-133	T-134	T-133	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PT-1	
L 1009	MEN'S	T-130	--	--	--	--	--	--	--	T-131	T-134	T-132	T-132	T-134	T-131, T-134	T-131, T-134	--	--	--	--	--	--	--	--	PT-1	
L 1008A	ALL GENDER	T-130	--	--	--	--	--	--	--	--	--	--	--	--	--	T-133	T-131	T-131	T-133	--	--	--	--	--	PT-1	
L 100TD	LOBBY	VGT-1 VGT-2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	PT-3, PT-6	PT-3, PT-6	PT-3	PT-1	PT-1		

FINISH LEGEND

STONE:

ST-1 DOOR SADDLE
CAESARSTONE 4141 HONED, MISTY CARRERA

NOTE: SADDLE TO BE ADA COMPATIBLE, SEE DETAIL #2/A-501.00

TILE:

NOTE: GROUT: USE EPOXY GROUT (LATIGRETE), COLOR TBD
TILE EDGES: FOR TOP OF FIELD CUT TILE BASE WHERE EXPOSED, EXPOSED EDGES AND OUTSIDE CORNERS USE JOLLY TILE WHERE AVAILABLE OR M-1 SCHLUTER JOLLY IN ST. STEEL FINISH

MUSIC BUILDING

T-100 LANDMARK PORTUGUESE BLACK & WHITE, 12'X24"
T-101 LANDMARK PORTUGUESE ECLECTIC, 12'X24"
T-102 LANDMARK EXPLORE, STAR GRAY, 12'X24"
T-103 LANDMARK ATTITUDE, LIGHT WHITE, 12'X24"
T-104 (\$ T-134) NEMO BOND, COTTON, 2 1/2'X8' & JOLLY 1/2'X8"
T-105 NEMO BOND, ONYX, 2 1/2'X8' & JOLLY 1/2'X8"
T-106 NEMO REGOLO, LUNARIA, 3'X12"

DANCE BUILDING

T-110 NEMO HAWTHORN, CLOUD, 8'X20"
T-113 NEMO REGOLO, MATTONE TATAMI, 3'X12"
T-114 (\$ T-130) LANDMARK JOURNEY, NATURAL IVORY, 24'X24"
T-115 (\$ T-131) LANDMARK JOURNEY, NATURAL IVORY, 12'X24" (WALL)

PHYS. ED. BUILDING

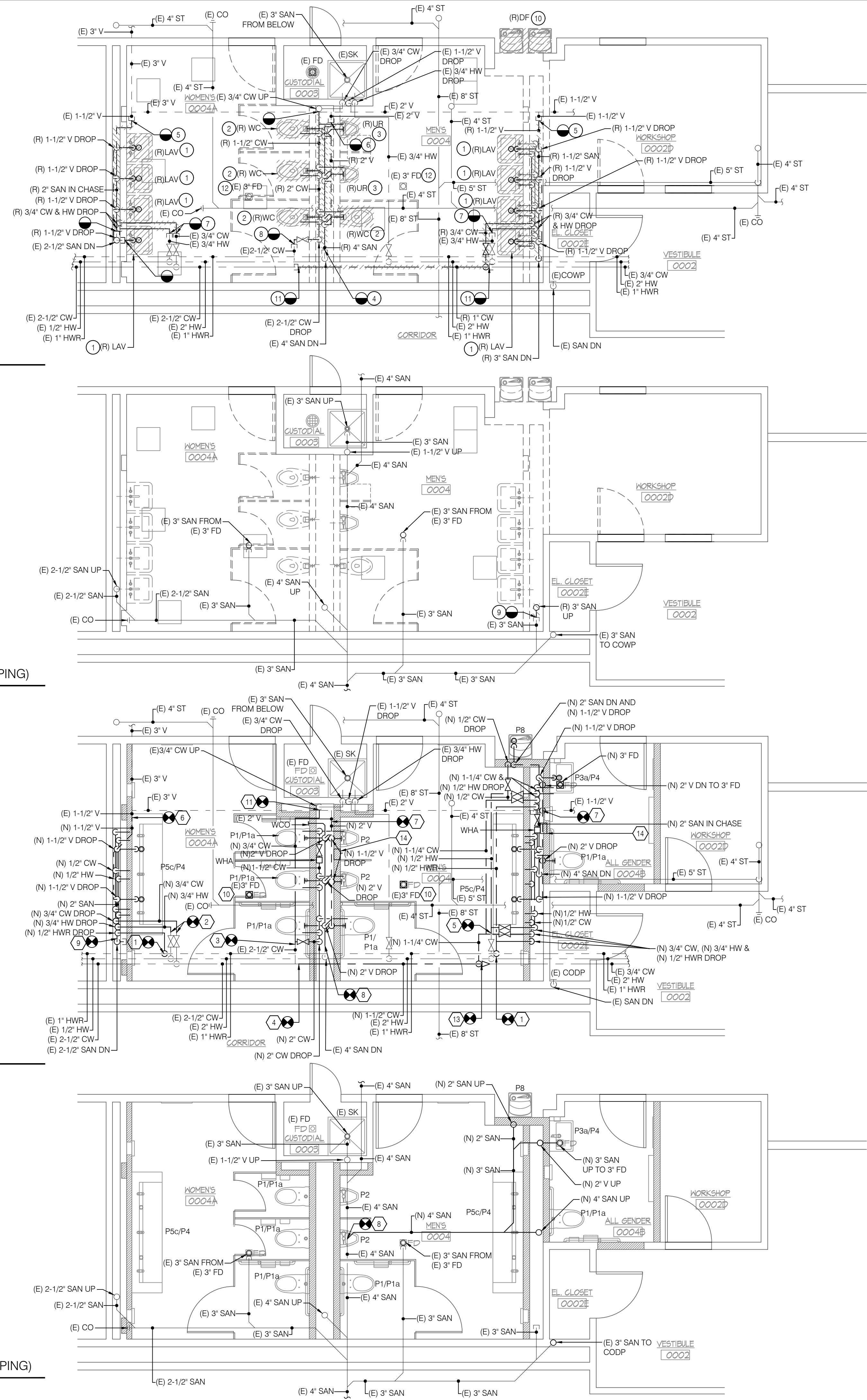
T-120 LANDMARK CHARME, VEINED STATUTARIO, 12'X24"
T-122 NEMO BOND, OPAL, 2 1/2'X8' & JOLLY 1/2'X8"
T-123 NEMO BOND, PEINTER, 2 1/2'X8' & JOLLY 1/2'X8"
T-124 LANDMARK MADE IN, FREEDOM WHITE, 24'X24"
T-125 LANDMARK MADE IN, FREEDOM WHITE, 12'X24"

1 BASEMENT LEVEL PLAN - PLUMBING REMOVALS
SCALE: 1/4" = 1'-0"

2 BASEMENT LEVEL PLAN - PLUMBING REMOVALS (BELOW FLOOR PIPING)
SCALE: 1/4" = 1'-0"

3 BASEMENT LEVEL PLAN - PLUMBING NEW WORK
SCALE: 1/4" = 1'-0"

4 BASEMENT LEVEL PLAN - PLUMBING NEW WORK (BELOW FLOOR PIPING)
SCALE: 1/4" = 1'-0"



- ### # DEMOLITION KEY NOTES
1. REMOVE EXISTING LAVATORY, FAUCET ALONG WITH P-TRAP CONNECTIONS AND ASSOCIATED PIPES.
 2. REMOVE EXISTING WATER CLOSET, FLUSH VALVE, CARRIER AND ASSOCIATED PIPES.
 3. REMOVE EXISTING URINAL, FLUSH VALVE, CARRIER AND ASSOCIATED PIPES.
 4. CUT AND CAP EXISTING 4\"/>

- ### # SHEET KEY NOTES
1. CONNECT NEW 1/2\"/>

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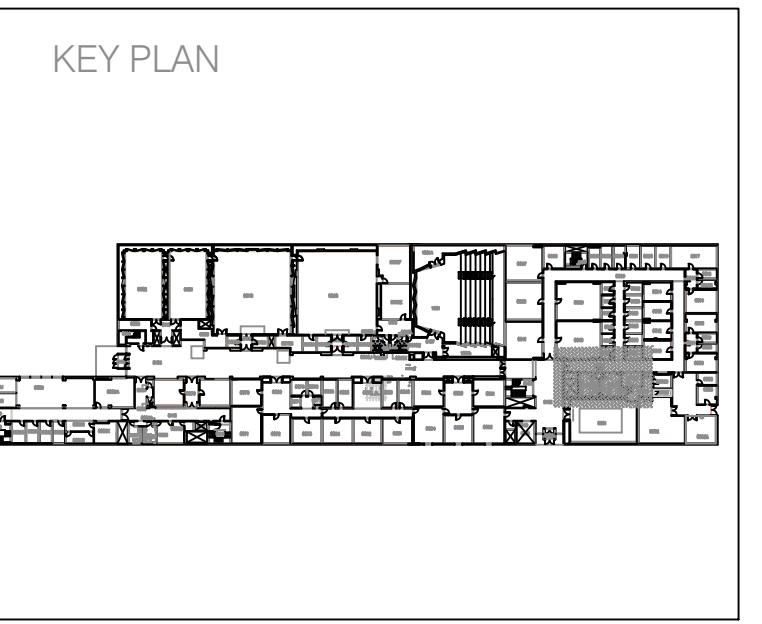
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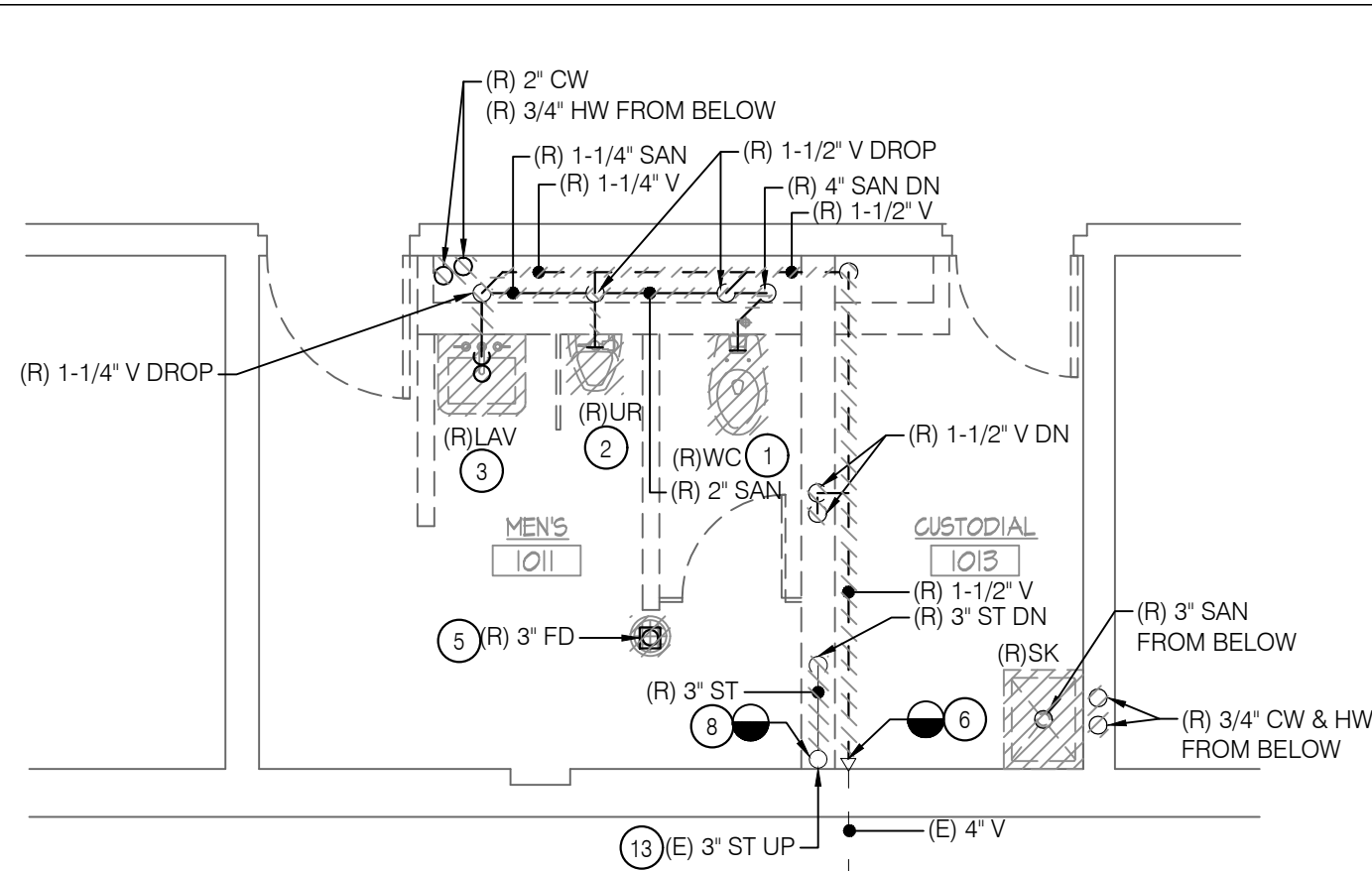
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MUSICAL BUILDING - PLUMBING PLANS

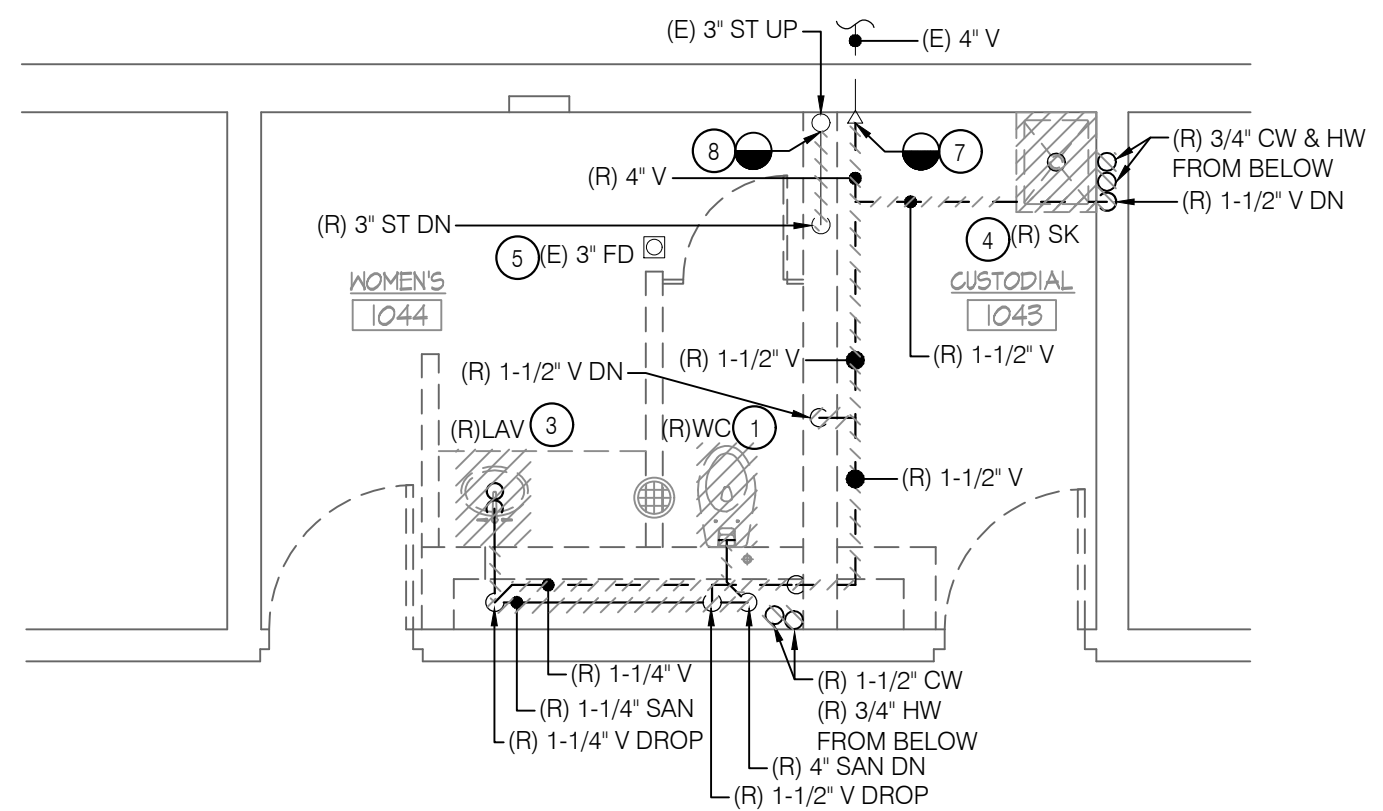
Date	01-16-2020
Project No.	1944
Drawing By	CHS
CHK By	KB
Scale	AS NOTED
	DOB Rev
P-101.00	



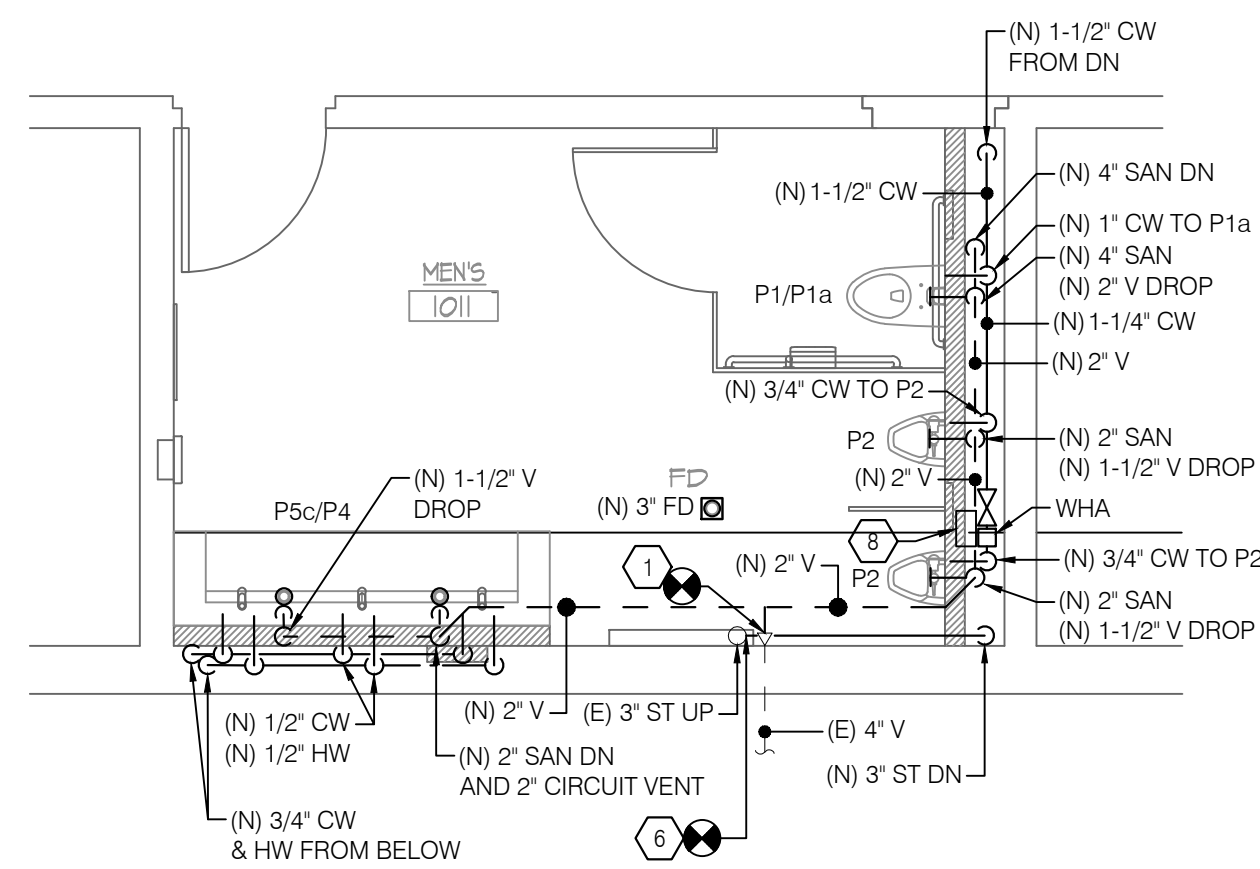
1. REMOVE EXISTING WATER CLOSET, FLUSH VALVE, CARRIER AND ASSOCIATED PIPES.
2. REMOVE EXISTING URINAL, FLUSH VALVE, CARRIER AND ASSOCIATED PIPES.
3. REMOVE EXISTING LAVATORY, FAUCET ALONG WITH P-TRAP CONNECTIONS AND ASSOCIATED PIPES.
4. REMOVE EXISTING SINK, FAUCET ALONG WITH P-TRAP CONNECTIONS AND ASSOCIATED PIPES.
5. REMOVE EXISTING GRATE FROM EXISTING FLOOR DRAIN.
6. CUT AND CAP EXISTING 1-1/2" VENT PIPE AT THIS LOCATION.
7. CUT AND CAP EXISTING 4" VENT PIPE AT THIS LOCATION.
8. CUT AND CAP EXISTING 3" ST PIPE AT THIS LOCATION.
9. CUT AND CAP EXISTING 4" SAN PIPE AT THIS LOCATION.
10. CUT AND CAP EXISTING 2" CW, AND 3/4" HW PIPES AT THIS LOCATION.
11. CUT AND CAP EXISTING 3/4" CW, AND 3/4" HW PIPES AT THIS LOCATION.
12. CUT AND CAP EXISTING 3" SAN PIPE AT THIS LOCATION.
13. REMOVE EXISTING STORM RISER IN EXISTING CHASE. CUT AND CAP PIPE BACK TO MAIN AT CEILING.

1. CONNECT NEW 2" V TO EXISTING 4" V PIPE.
2. CONNECT NEW 1-1/2" CW TO EXISTING 2" CW PIPE.
3. CONNECT NEW 4" SAN TO EXISTING 4" SAN PIPE.
4. CONNECT NEW 3" SAN TO EXISTING 3" SAN PIPE.
5. CONNECT NEW 3/4" CW AND HW TO EXISTING 3/4" CW AND HW PIPES.
6. CONNECT NEW 3" ST TO EXISTING 3" ST PIPE.
7. CONNECT NEW 1-1/2" CW TO EXISTING 1-1/2" CW PIPE.
8. ACCESS PANEL TO ACCESS BALL VALVE AND WATER HAMMER ARRESTOR.
9. CONNECT NEW 2" SAN TO EXISTING 3" SAN.
10. CONNECT NEW 2" VENT TO EXISTING 2" VENT.
11. PROVIDE NEW GRATE FOR EXISTING FLOOR DRAIN.
12. CONNECT NEW 1-1/2" V TO EXISTING 1-1/2" V.
13. CONNECT NEW 1-1/2" CW AND 3/4" HW TO EXISTING 2" CW AND 3/4" HW PIPES.

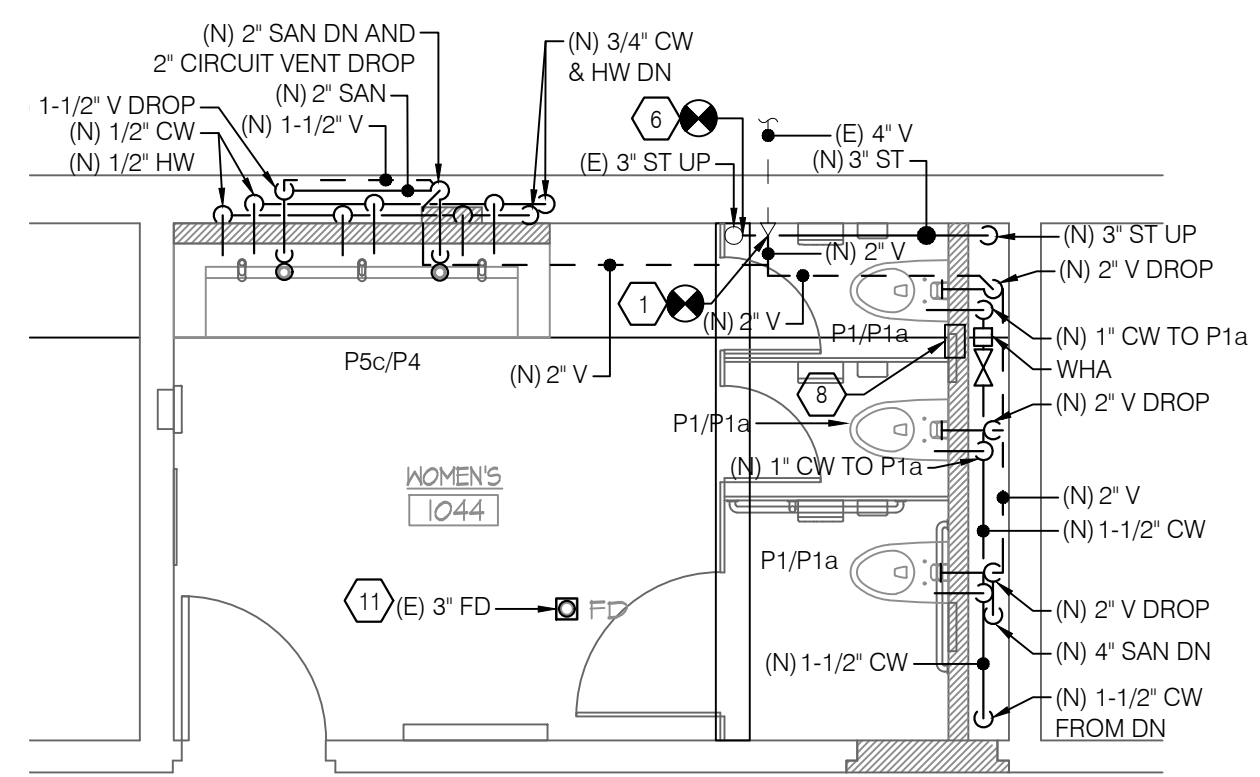
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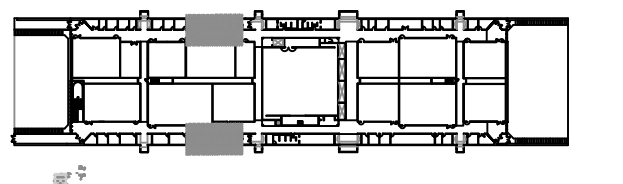
- P-102.00 SCALE: 1/4" = 1'-0"



- P-102.00 SCALE: 1/4" = 1'-0"



- P-102.00 SCALE: 1/4" = 1'-0"



P-102.00

DEMOLITION KEY NOTES

1. REMOVE EXISTING WATER CLOSET, FLUSH VALVE, CARRIER AND ASSOCIATED PIPES.
2. REMOVE EXISTING URINAL, FLUSH VALVE, CARRIER AND ASSOCIATED PIPES.
3. REMOVE EXISTING LAVATORY, FAUCET ALONG WITH P-TRAP CONNECTIONS AND ASSOCIATED PIPES.
4. REMOVE EXISTING GRATE FROM EXISTING FLOOR DRAIN.
5. REMOVE EXISTING SINK, FAUCET ALONG WITH P-TRAP CONNECTIONS AND ASSOCIATED PIPES.
6. REMOVE EXISTING DRINKING FOUNTAIN AND ALL ASSOCIATED PIPES.
7. CUT AND CAP EXISTING 3" SAN AND 1-1/2" VENT PIPE AT THIS LOCATION.
8. CUT AND CAP EXISTING 4" SAN PIPE AT THIS LOCATION.
9. CUT AND CAP EXISTING 2" VENT PIPE AT THIS LOCATION.
10. CUT AND CAP EXISTING 1-1/2" VENT PIPE AT THIS LOCATION.
11. CUT AND CAP EXISTING 2" SAN PIPE AT THIS LOCATION.
12. CUT AND CAP EXISTING 3/4" CW PIPE AT THIS LOCATION.

NEW WORK KEY NOTES

1. CONNECT NEW 2" SAN TO EXISTING 3" SAN PIPE.
2. CONNECT NEW 1-1/2" V TO EXISTING 1-1/2" V PIPE.
3. CONNECT NEW 3/4" CW TO EXISTING 1" CW PIPE.
4. CONNECT NEW 3/4" HW TO EXISTING 1" HW PIPE.
5. CONNECT NEW 3" SAN TO EXISTING 4" SAN PIPE .
6. CONNECT NEW 4" SAN TO EXISTING 4" SAN PIPE.
7. CONNECT NEW 2" V TO EXISTING 3" V PIPE.
8. CONNECT NEW 2" V TO EXISTING 2" V PIPE.
9. CONNECT NEW 3/4" CW AND 3/4" HW TO EXISTING 2-1/2" CW AND 3/4" HW PIPES.
10. PROVIDE NEW GRATE FOR EXISTING FLOOR DRAIN.
11. CONNECT NEW 3/4" CW AND HW TO EXISTING 3/4" CW AND HW PIPES.
12. ACCESS PANEL TO ACCESS BALL VALVE AND WATER HAMMER ARRESTOR.
13. CONNECT NEW 3/4" CW TO EXISTING 3/4" CW PIPE.

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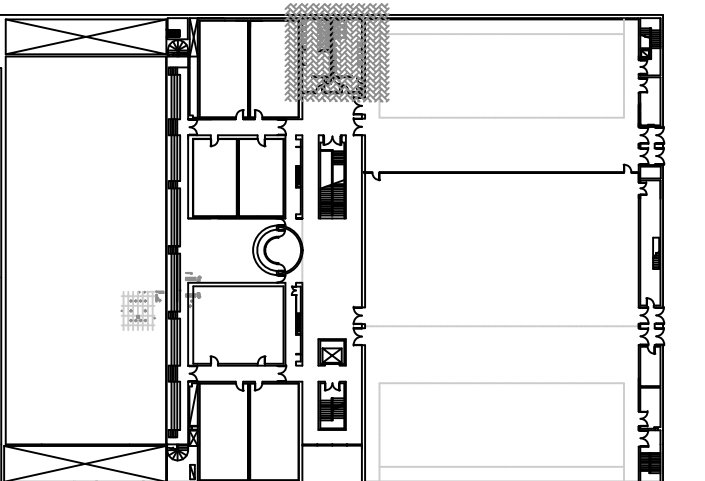
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KEY PLAN

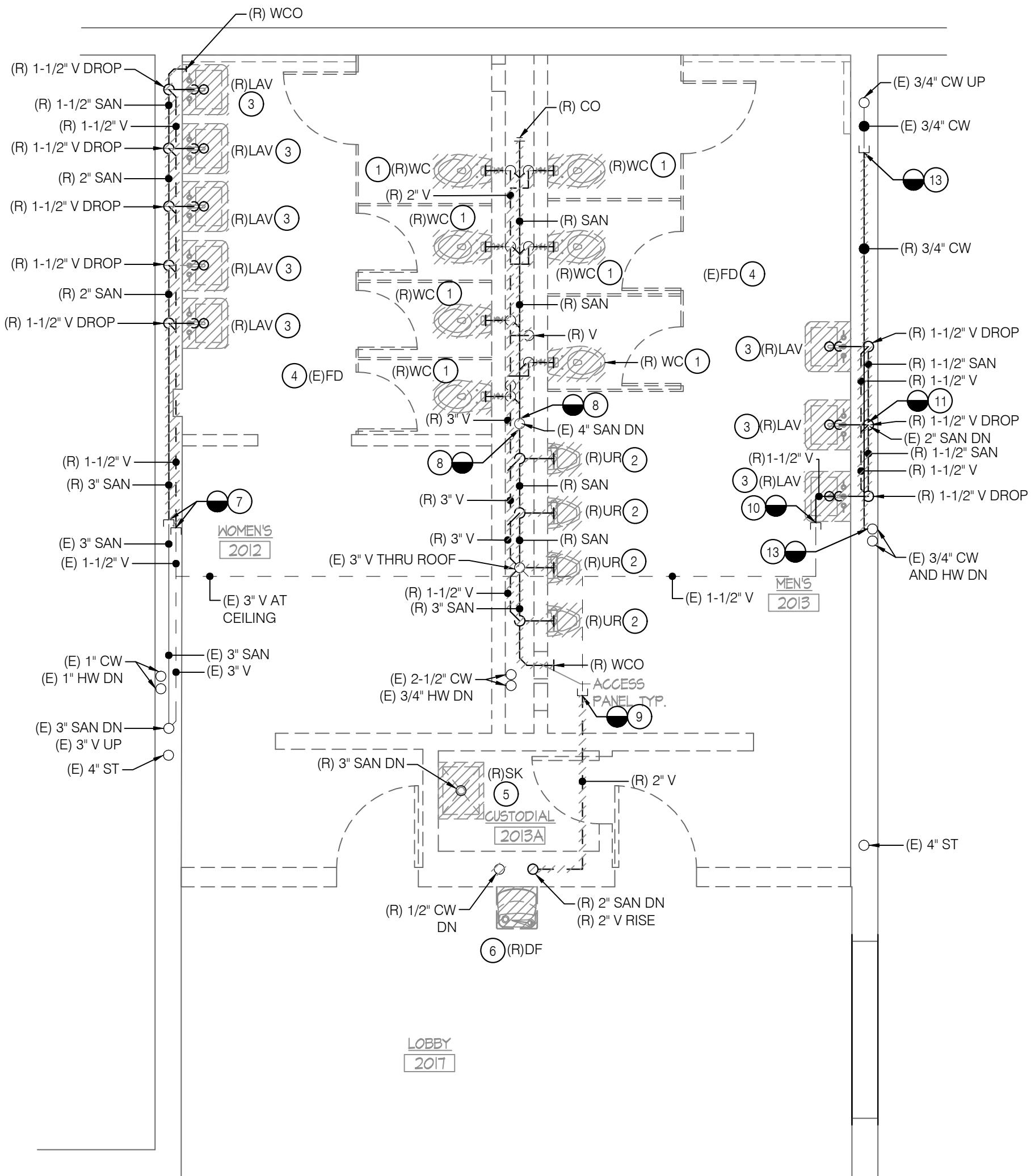


Title
PHYSICAL EDUCATION -
PLUMBING PLANS

Date 01-16-2020
Project No. 1944
Drawing By CHS
CHK By KB
Scale AS NOTED

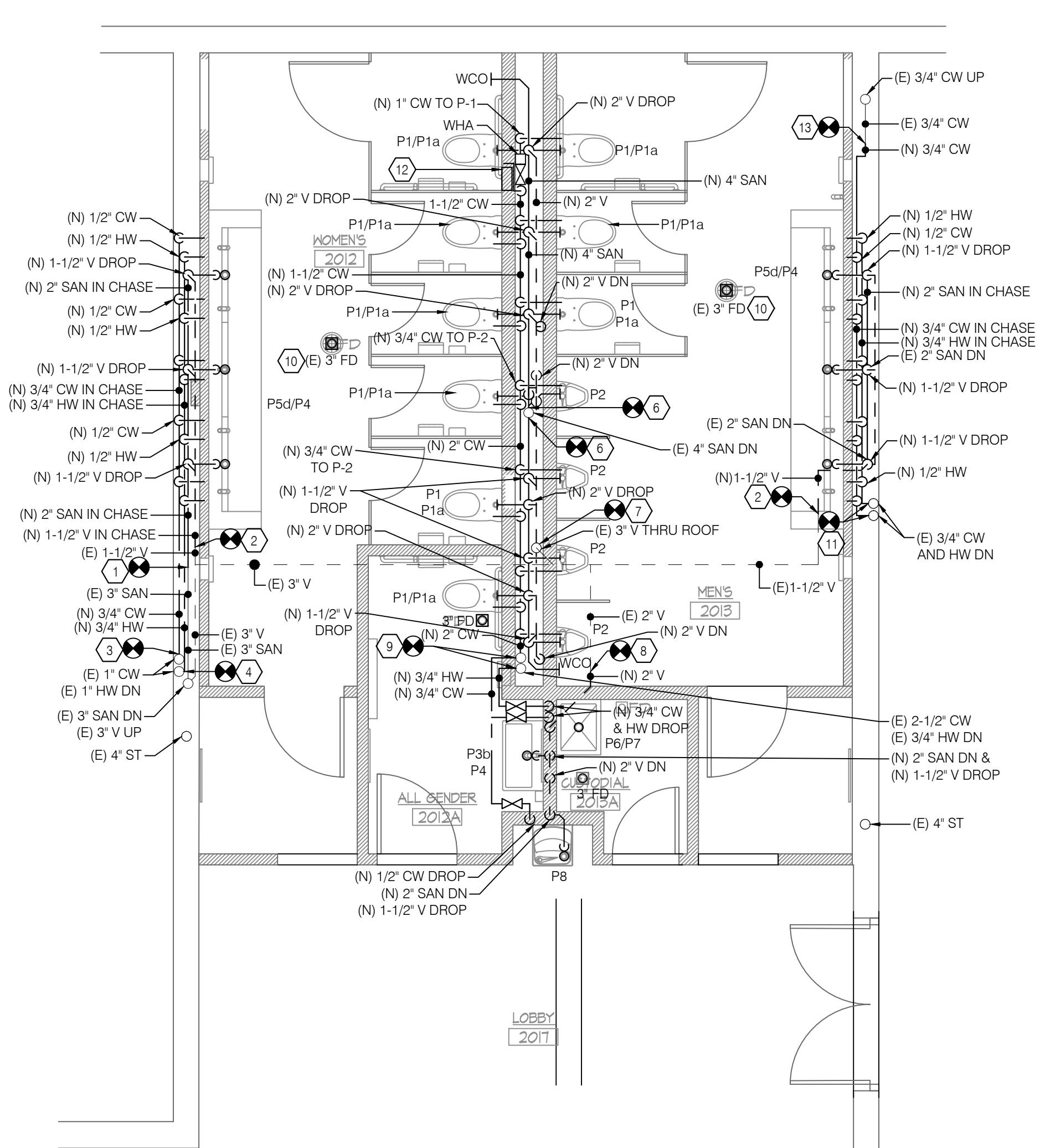
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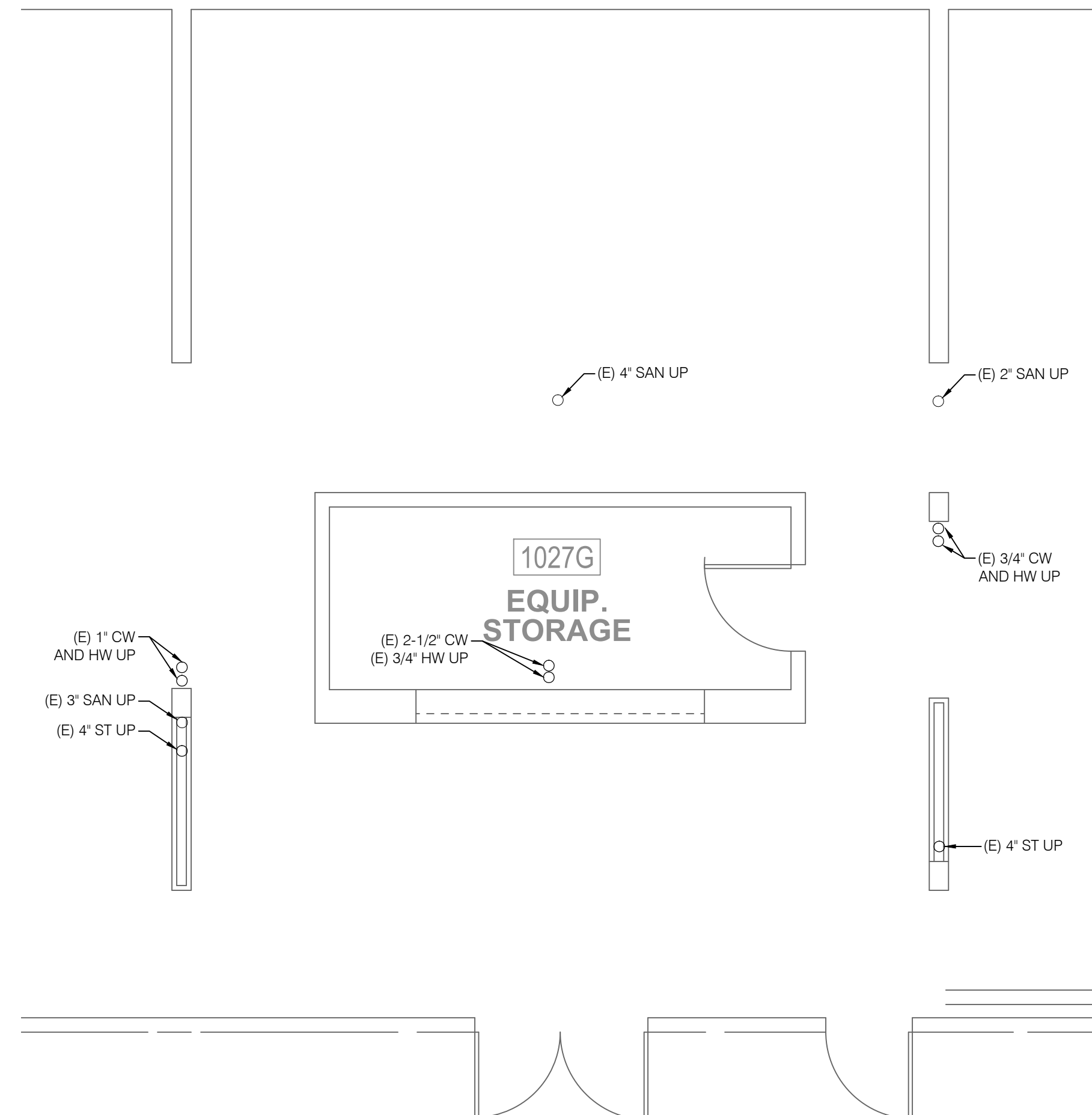
1 SECOND FLOOR PLAN - PLUMBING REMOVAL

P-103.00 SCALE: 1/4" = 1'-0"



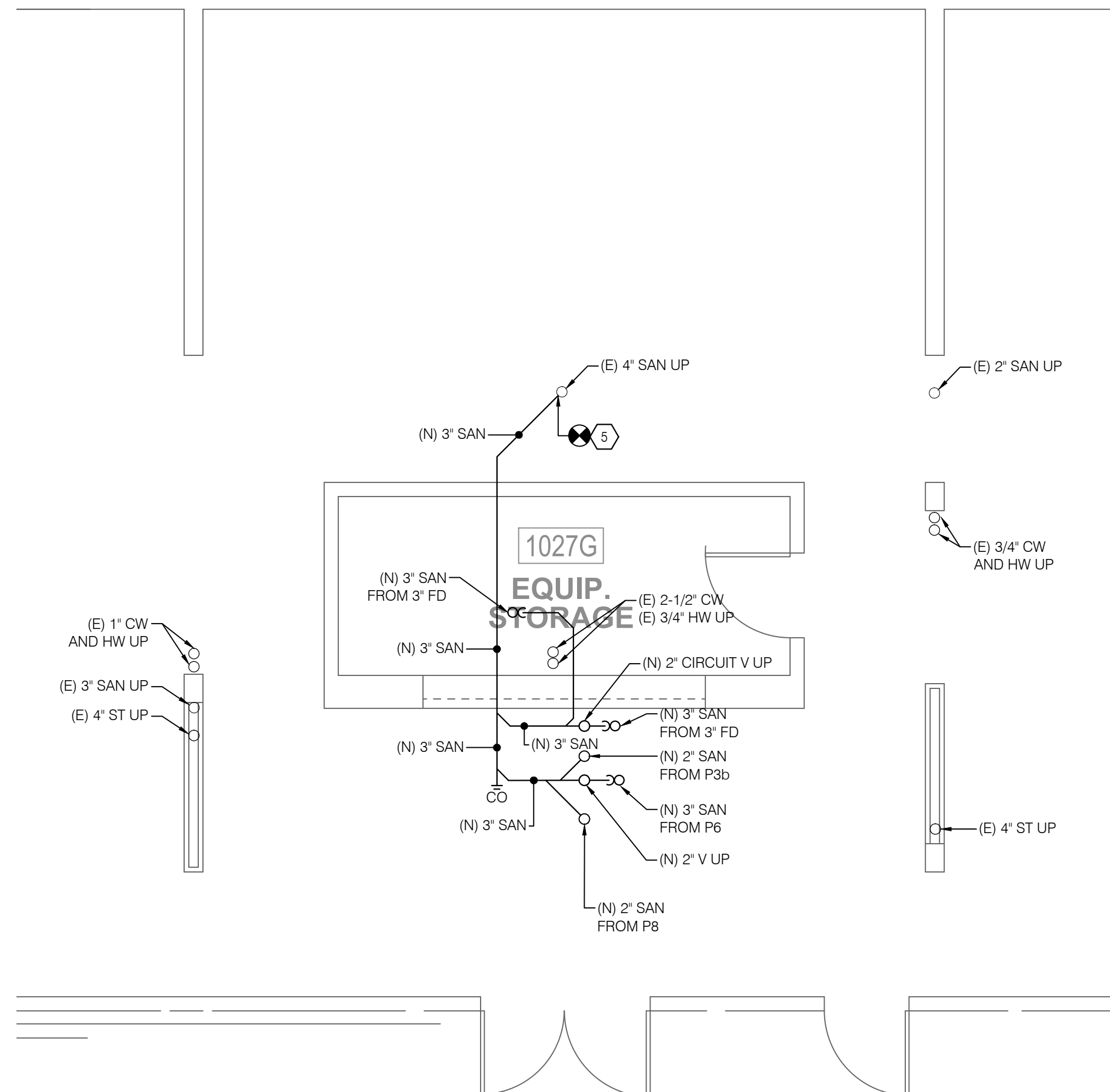
2 SECOND FLOOR PLAN - PLUMBING NEW WORK

P-103.00 SCALE: 1/4" = 1'-0"



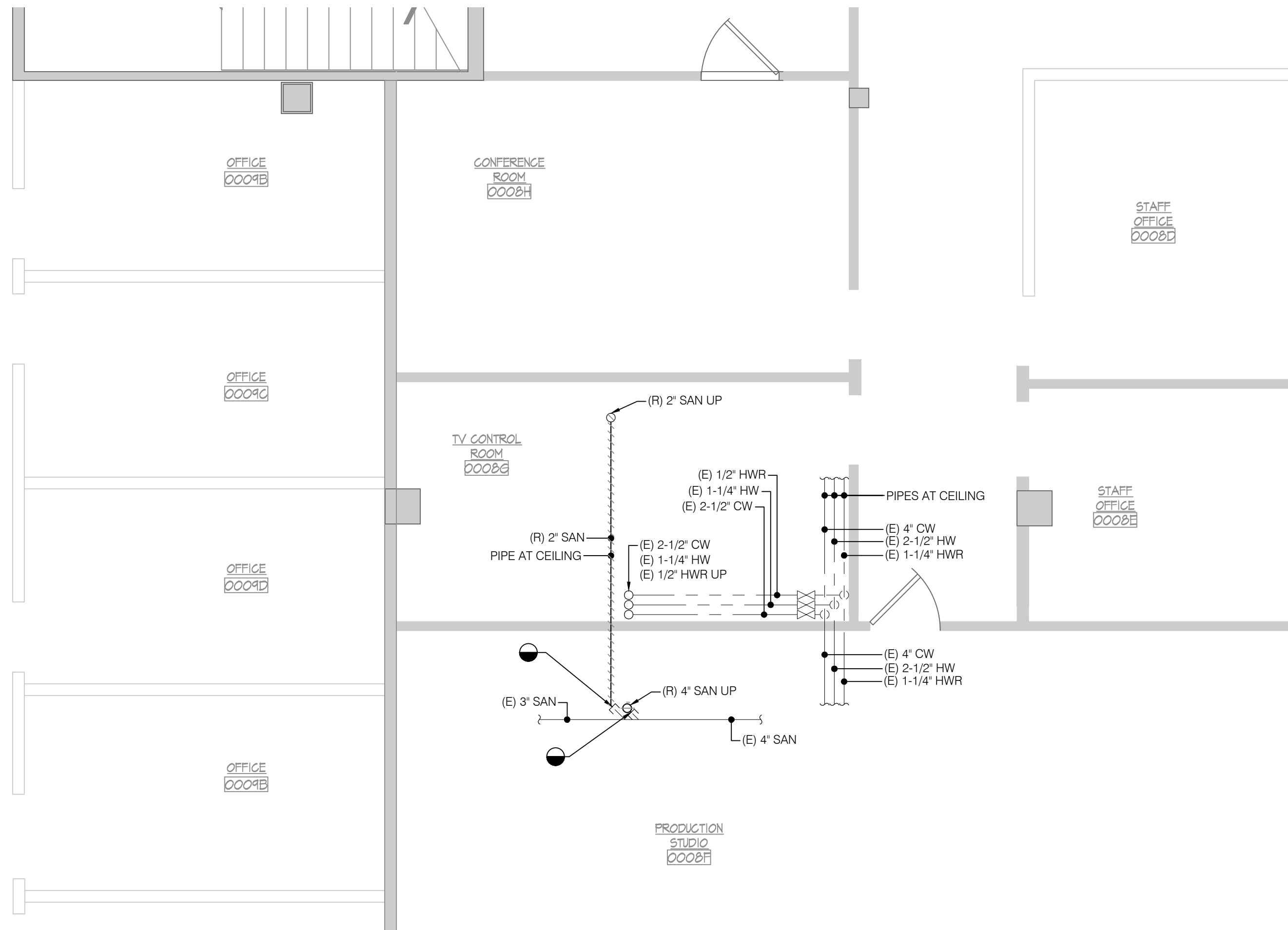
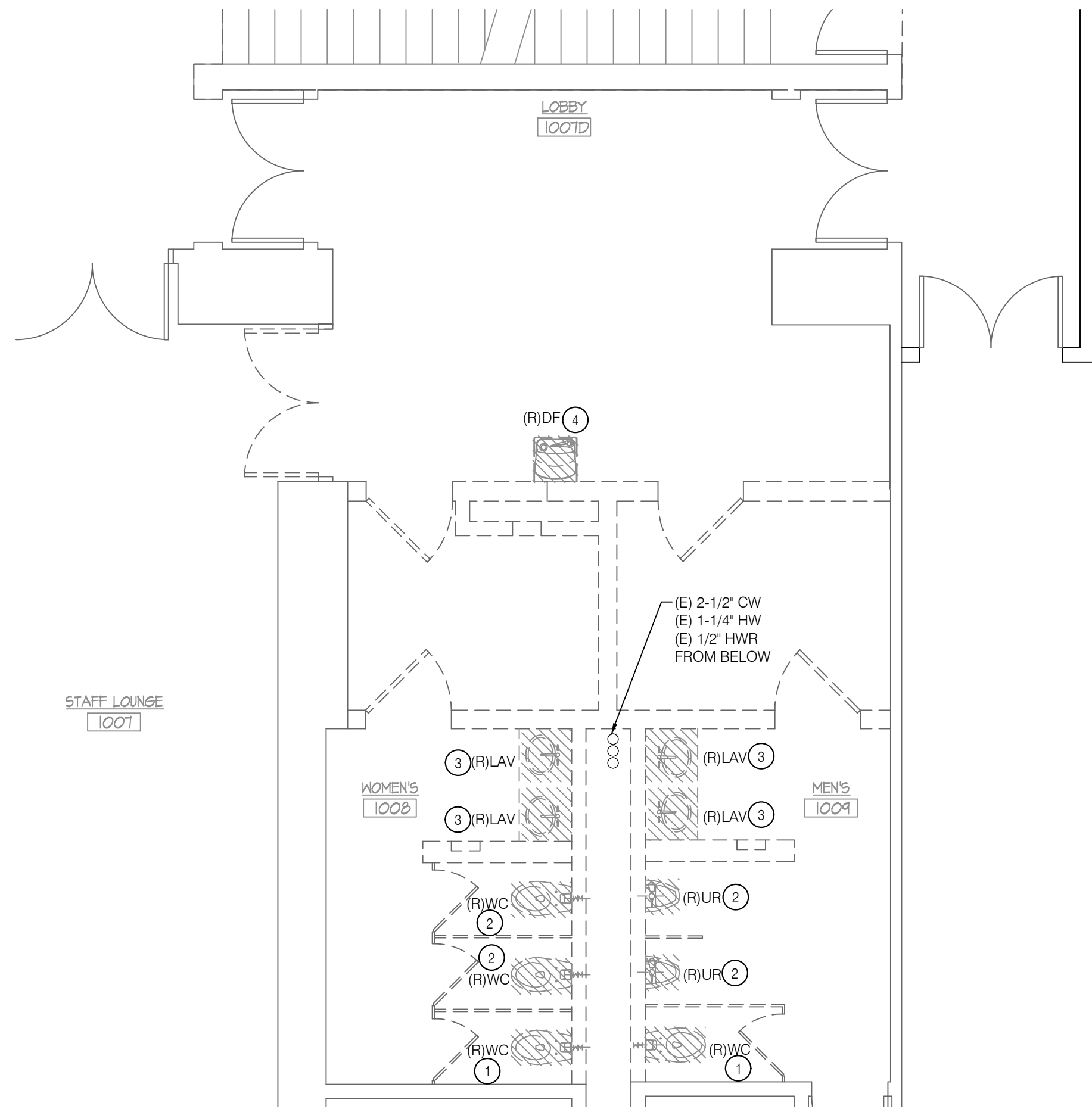
3 FIRST FLOOR PLAN - PLUMBING REMOVAL

P-103.00 SCALE: 1/4" = 1'-0"



4 FIRST FLOOR PLAN - PLUMBING NEW WORK

P-103.00 SCALE: 1/4" = 1'-0"



DEMOLITION KEY NOTES

1. REMOVE EXISTING WATER CLOSET, FLUSH VALVE, CARRIER AND ASSOCIATED PIPES.
2. REMOVE EXISTING URINAL, FLUSH VALVE, CARRIER AND ASSOCIATED PIPES.
3. REMOVE EXISTING LAVATORY, FAUCET ALONG WITH P-TRAP CONNECTIONS AND ASSOCIATED PIPES.
4. REMOVE EXISTING DRINKING FOUNTAIN AND ALL ASSOCIATED PIPES.

NEW WORK KEY NOTES

1. CONNECT NEW 4\"/>

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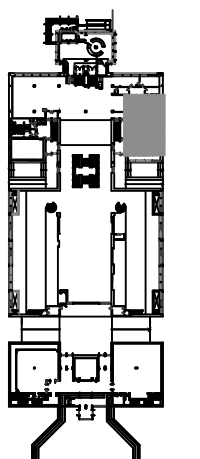
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KEY PLAN



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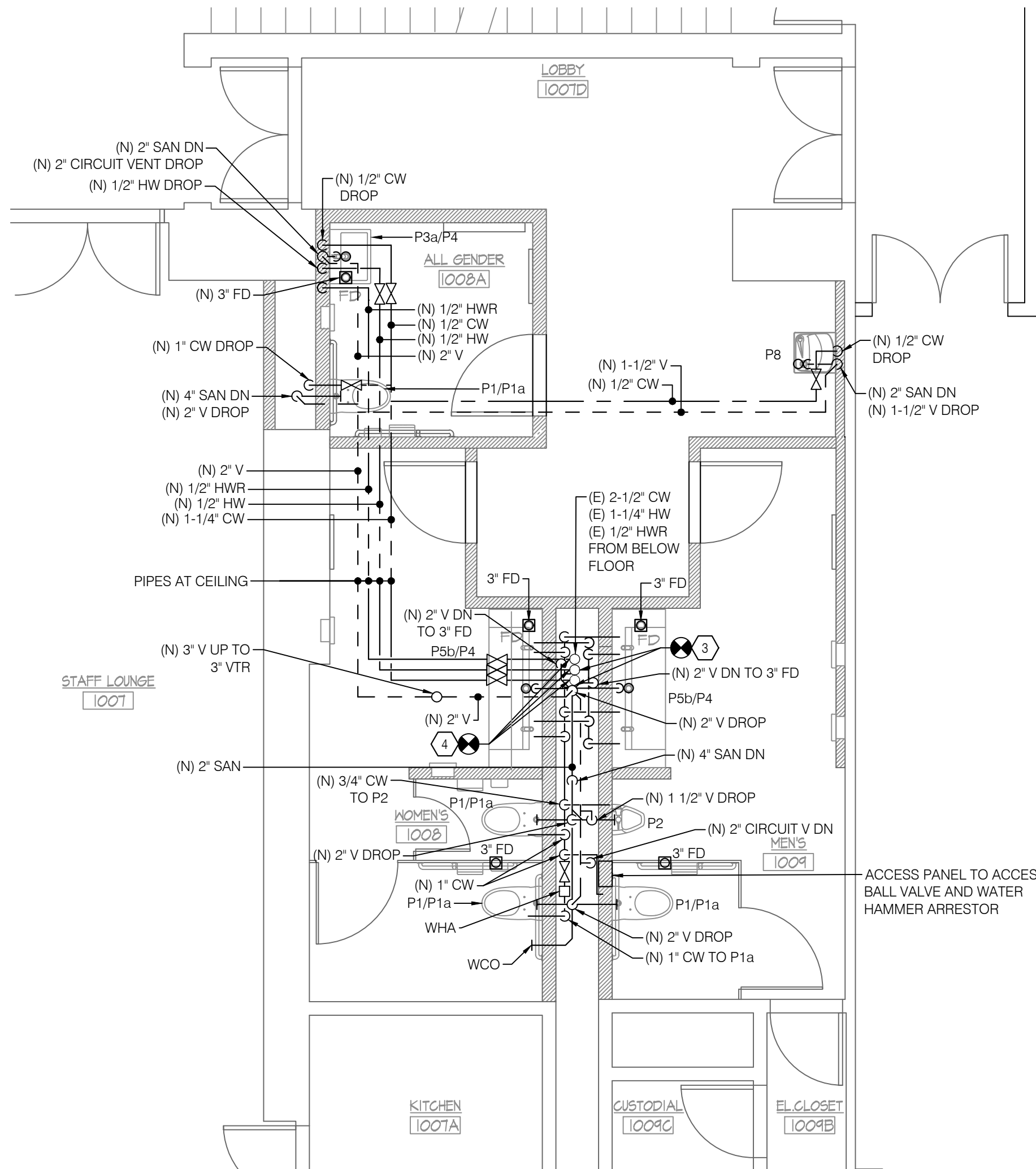
Date	01-16-2020
Project No.	1944
Drawing By	CHS
CHK By	KB
Scale	AS NOTED

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1 FIRST FLOOR PLAN - PLUMBING REMOVALS

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

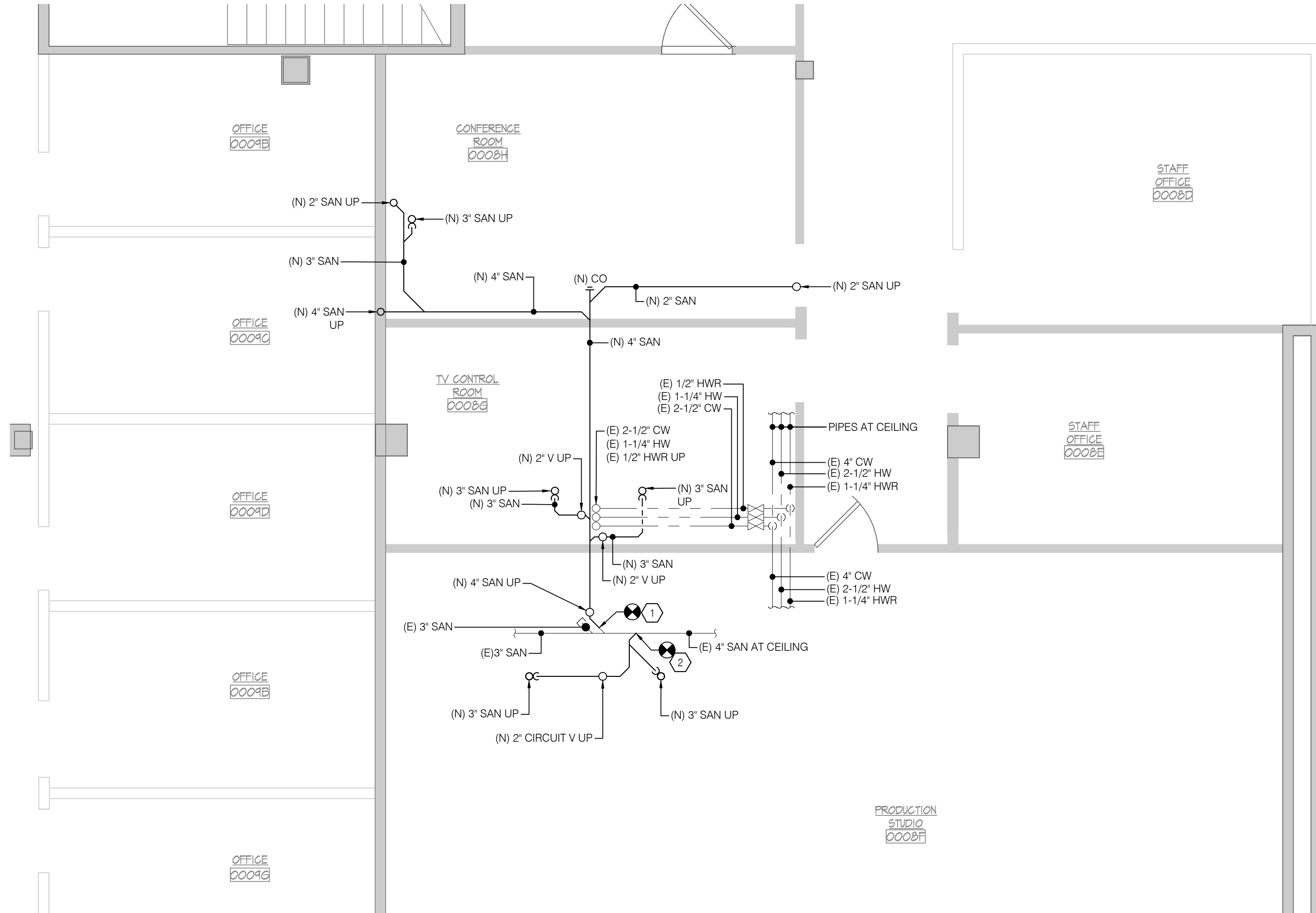


3 FIRST FLOOR PLAN PLAN - PLUMBING NEW WORK

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

2 BASEMENT FLOOR PLAN - PLUMBING REMOVALS

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



4 BASEMENT FLOOR PLAN - PLUMBING NEW WORK

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





SHEET KEY NOTES

1. PROVIDE NEW GRATE FOR EXISTING FLOOR DRAIN.

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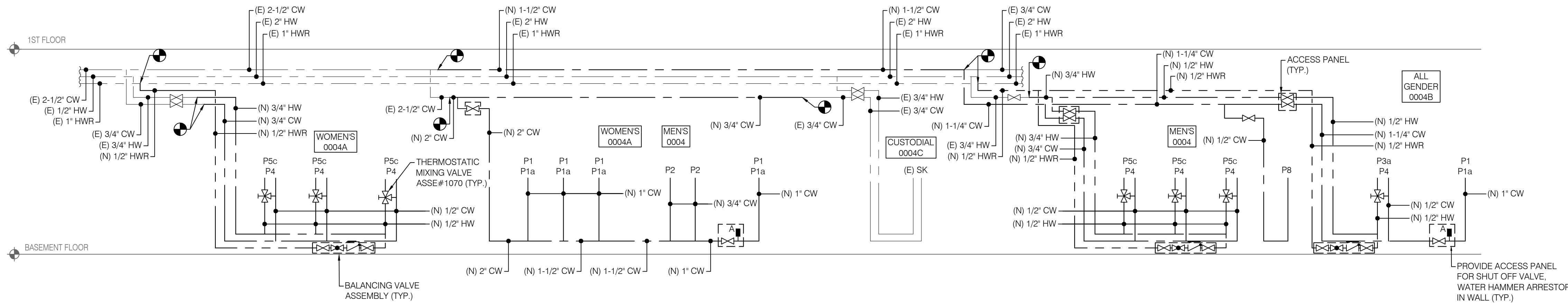
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MUSICAL BUILDING - PLUMBING RISER DIAGRAMS

Date 01-16-2020
Project No. 1944
Drawing By CHS
CHK By KB
Scale AS NOTED

DOB Rev

P-501.00

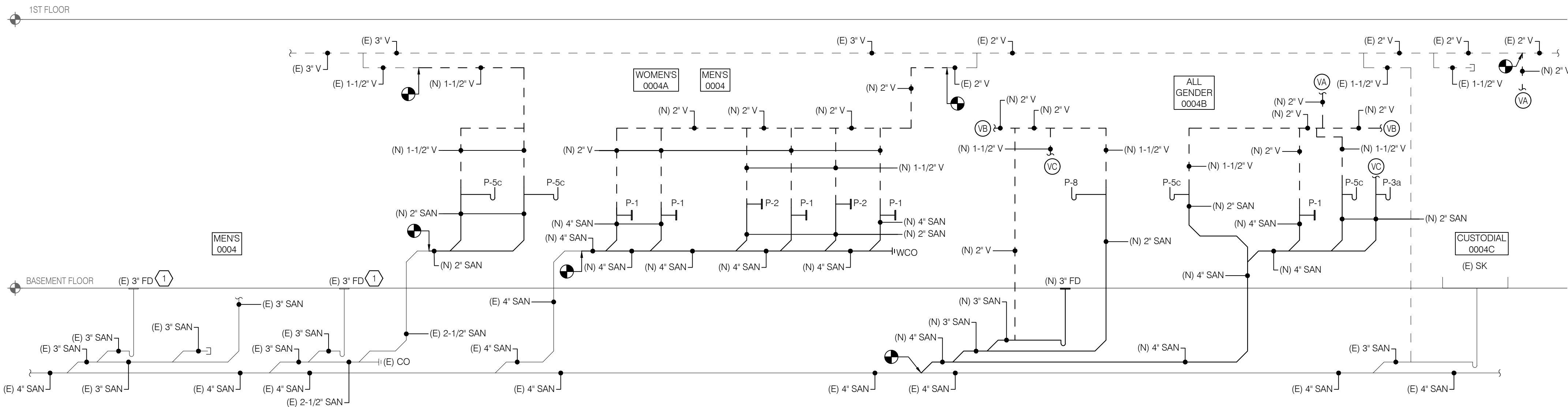


1

PARTIAL WATER RISER DIAGRAM (MUSIC BUILDING)

P-501.00

SCALE: NOT TO SCALE

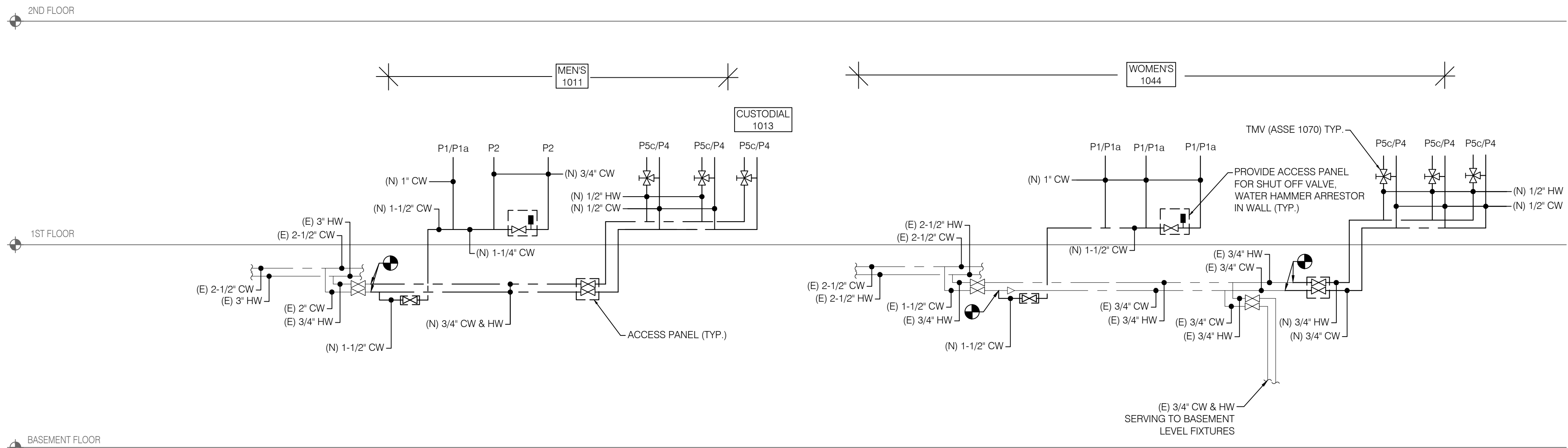


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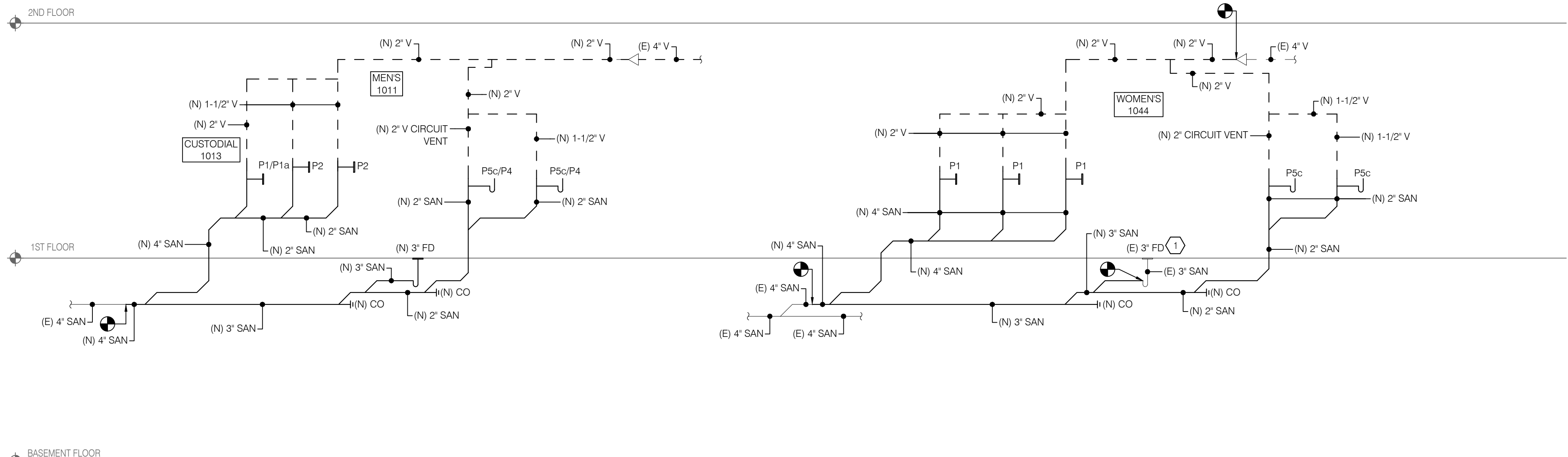
PARTIAL SANITARY RISER DIAGRAM (MUSIC BUILDING)

P-501.00

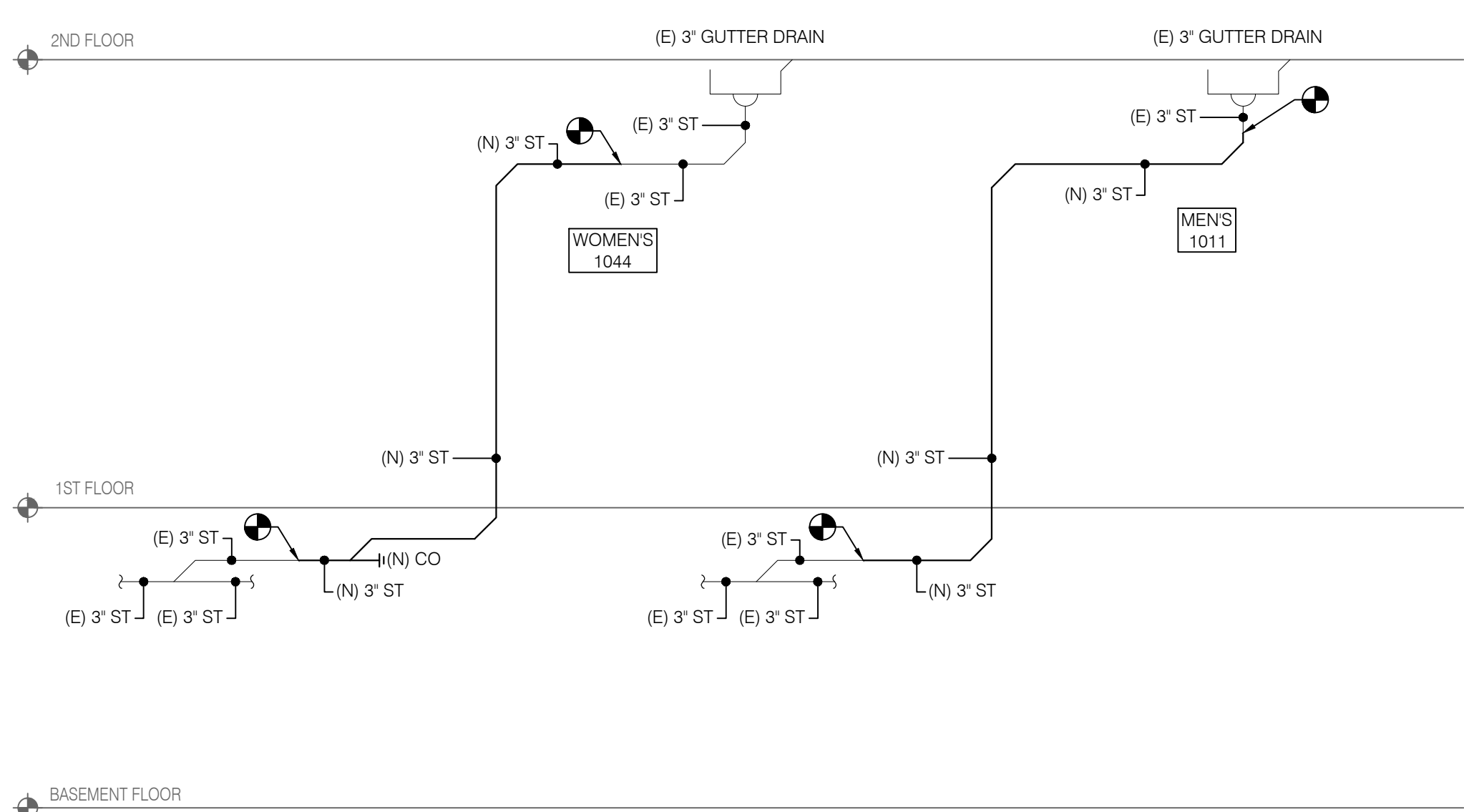
SCALE: NOT TO SCALE



1 PARTIAL WATER RISER DIAGRAM (DANCE BUILDING)
P-502.00 SCALE: NOT TO SCALE



2 PARTIAL SANITARY RISER DIAGRAM (DANCE BUILDING)
P-502.00 SCALE: NOT TO SCALE



3 PARTIAL STORM RISER DIAGRAM (DANCE BUILDING)
P-502.00 SCALE: NOT TO SCALE

SHEET KEY NOTES

1. PROVIDE NEW GRATE FOR EXISTING FLOOR DRAIN.

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Rev	Date	Issue
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Title
**DANCE BUILDING -
PLUMBING RISER
DIAGRAMS**

Date	01-16-2020
Project No.	1944
Drawing By	CHS
CHK By	KB
Scale	AS NOTED

DOB Rev

P-502.00



SHEET KEY NOTES

1. PROVIDE NEW GRATE FOR EXISTING FLOOR DRAIN.

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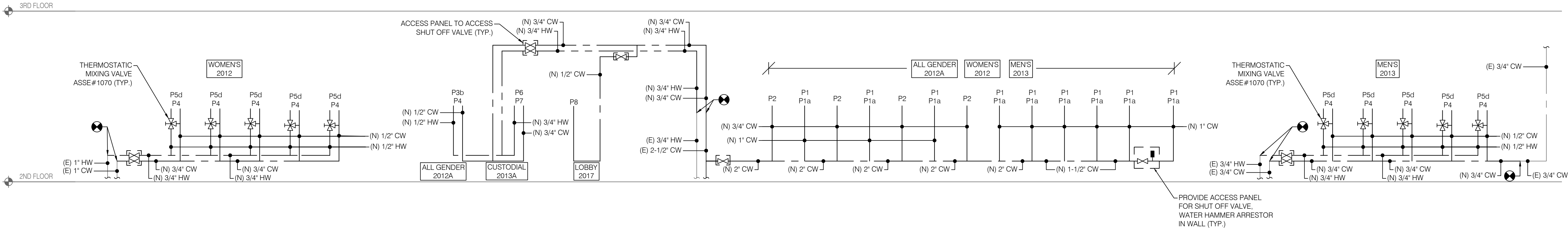
Rev Date Issue
05 May 2022 Issue for Bid

PHYSICAL EDUCATION - PLUMBING RISER DIAGRAMS

Date 01-16-2020
Project No. 1944
Drawing By CHS
CHK By KB
Scale AS NOTED

DOB Rev

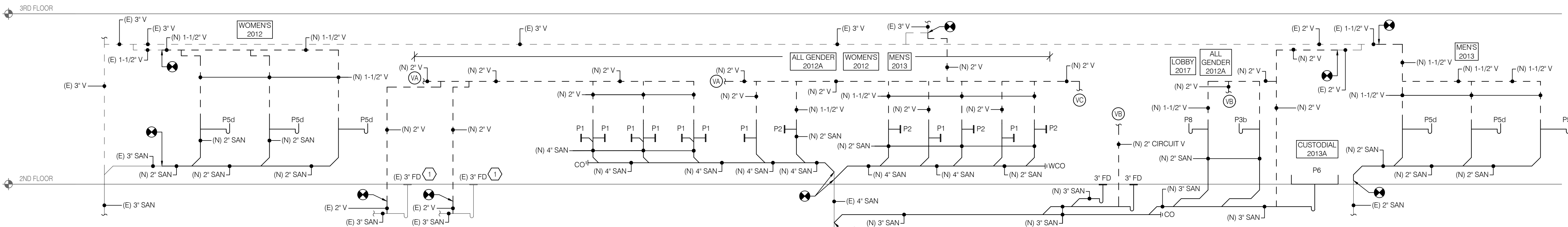
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1

PARTIAL WATER RISER DIAGRAM (PHYSICAL EDUCATION BUILDING)

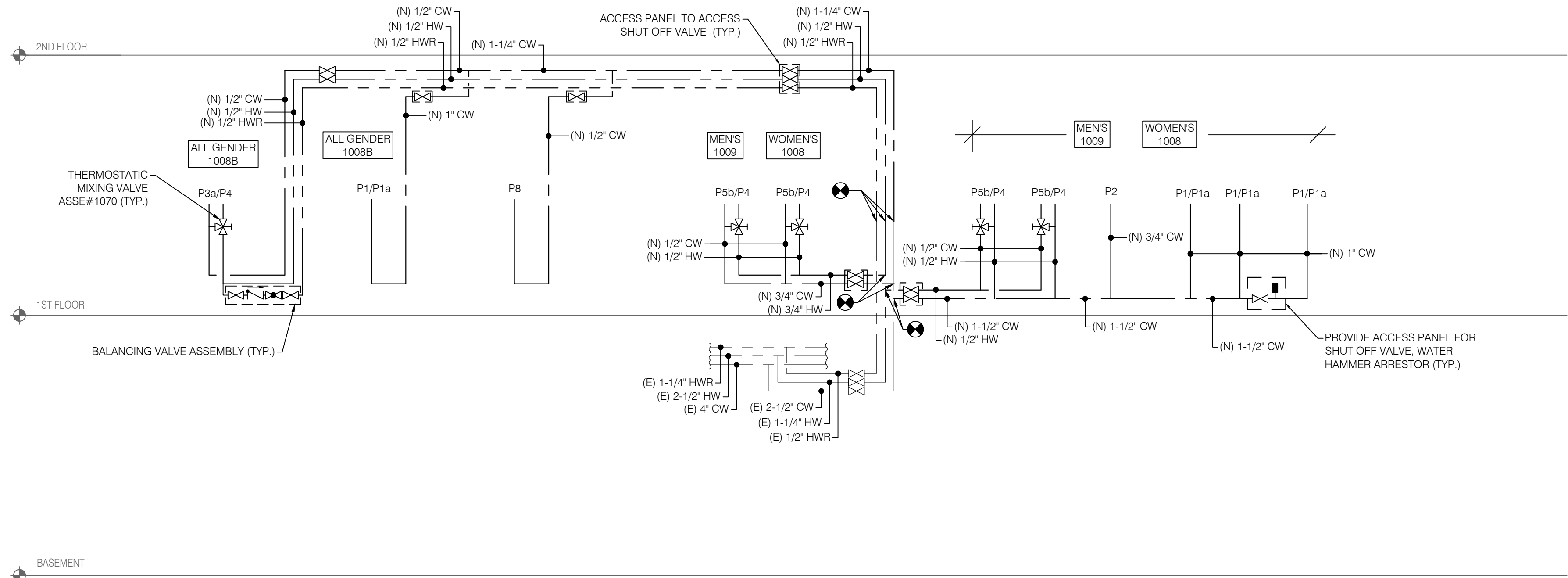
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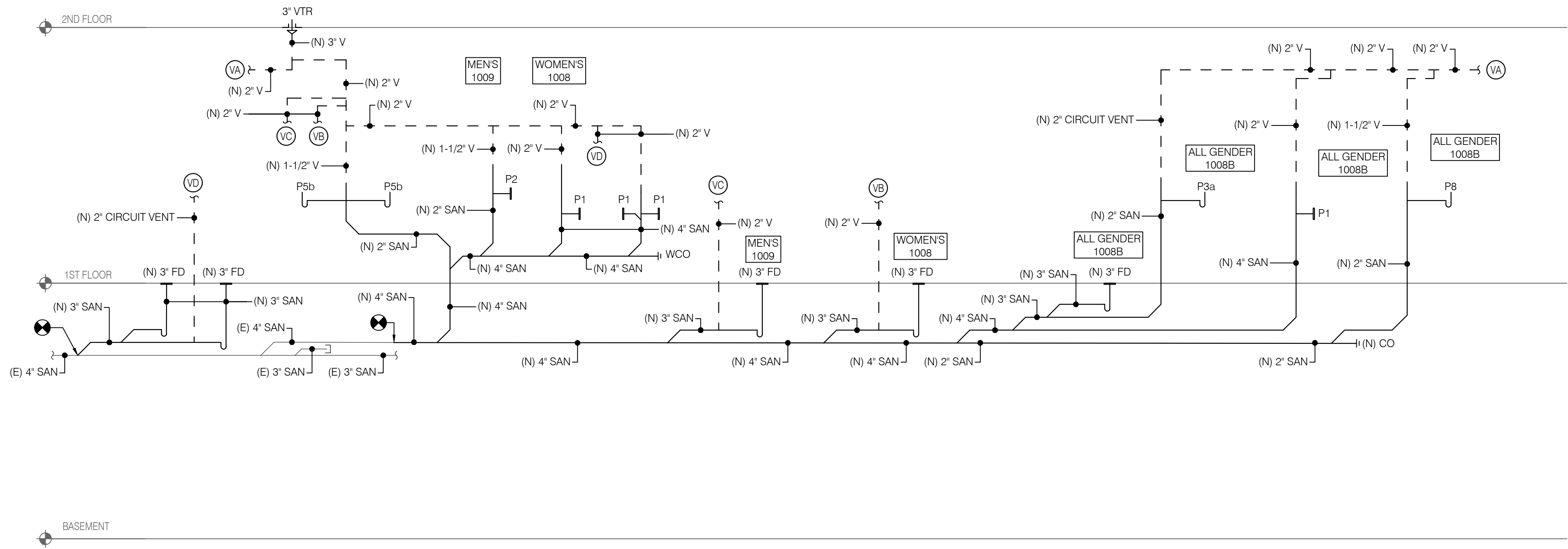
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PARTIAL SANITARY RISER DIAGRAM (PHYSICAL EDUCATION BUILDING)

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1 PARTIAL WATER RISER DIAGRAM (LIBRARY BUILDING)
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2 PARTIAL SANITARY RISER DIAGRAM (LIBRARY BUILDING)
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LIBRARY BUILDING - PLUMBING RISER DIAGRAMS

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PLUMBING FIXTURE SCHEDULE											
ID	FIXTURE	ADA	MANUFACTURER	MODEL	DESCRIPTION	MOUNTING	REMARKS	PLUMBING FIXTURE ROUGH-IN			
								CW	HW	WASTE	VENT
P1	WALL MOUNTED TOILET	YES	SLOAN	ST-2459	WHITE VITREOUS CHINA, ELONGATED BOWL, WALL MOUNTED, WALL OUTLET, SIPHON JET FLUSHING ACTION ACHIEVES 1000g MAP SCORE WHEN USED WITH ANY SLOAN FLUSHOMETER , 1 1/2" I.P.S. TOP SPUD INLET, STATIC LOAD RATING OF 750 LBS. WATER SPOT AREA 10 1/8" X 9 3/8" (26 CM X24 CM).	WALL MOUNT	1.28 GPF. FLUSHOMETER TOILET, FOR ADA SEAT HEIGHT SET AT 17" TO 19" FROM FINISHED FLOOR	-	-	4"	2"
P1a	SOLAR POWERED DUAL FLUSH	-	SLOAN	8111-1.6/1.1	EXPOSED, SOLAR POWERED, SENSOR ACTIVATED SLOAN SOLIS DUAL FLUSH MODEL WATER CLOSET FLUSHOMETER FOR WALL HUNG TOP SPUD BOWLS. FULL FLUSH (LARGE BUTTON) 1.6 GPF/6.0 LPF. REDUCED FLUSH (SMALL BUTTON) 1.1 GPF/4.2 LPF.	-	-	1"	-	-	-
P2	URINAL/FLUSH VALVE COMBO	YES	SLOAN	WESU-7000.1201	WHITE VITREOUS CHINA, WASH-DOWN FLUSHING ACTION, INTEGRAL FLUSHING RIM, 3/4" I.P.S. TOP SPUD INLET, 2" NPT OUTLET FLANGE , VANDAL RESISTANT STRAINER ASSEMBLY INCLUDED, 100% FACTORY FLUSH TESTED , FLUSH VOLUME 0.125 GPF, SU-7009 URINAL AND SOLIS 8186 FLUSHOMETER COMBO.	WALL MOUNT	0.125 GPF EXPOSED SENSOR URINAL FLUSHOMETER	3/4"	-	2"	1-1/2"
P3a	WALL MOUNTED SINK	YES	DURAVIT	VERO	SINK DIMENSION 23 5/8" X 18 1/4" X 5 3/8" , WHITE VITREOUS CHINA WITH OVER FLOW, ORDER NO 045460.27	WALL MOUNT	-	-	-	2"	1-1/2"
P3b	WALL MOUNTED SINK	YES	DURAVIT	VERO	SINK DIMENSION 31 1/2" X 18 1/4" X 5 3/8" , WHITE VITREOUS CHINA WITH OVER FLOW, ORDER NO 045480.25	WALL MOUNT	-	-	-	2"	1-1/2"
P4	WALL MOUNTED SINK FAUCET	-	SLOAN	OPTIMA SOLIS EAF-275-ISM	SOLAR POWERED, SENSOR ACTIVATED , ELECTRONIC , CHROME PLATED CONSTRUCTED METAL , HAND WASHING FAUCET , MAGNETIC SOLENIID VALVE, AUTOMATIC SELF ADAPTING SENSOR TECHNOLOGY, 6 VDC LITHIUM BATTERY BACK-UP POWER.	-	0.5 GPM FLOW RATE, PROVIDE ASSE #1070 THERMOSTIC MIXING VALVE	1/2"	1/2"	-	-
P5b	VANITY SINK	YES	SOPHSTONE	SOPH-ST70	SINK DIMENSION 70" X 23 5/8" X 4-3/4" ADA COMPLIANT, SOPSTONE COMPOSITE STONE WITH HONED FINISH, METICULOUSLY HAND CRAFTED, SMOOTH, EASY TO CLEAN SURFACE WITH STAIN RESISTANT QUALITIES. ECO- SENSITIVE WITH HIGH RECYCLED MATERIAL CONTEN	WALL MOUNT	FOR SOPHSTONE VANITY COLORS REFER TO ARCHITECTURAL DRAWINGS	-	-	2"	1-1/2"
P5c	VANITY SINK	YES	SOPHSTONE	SOPH-ST94	SINK DIMENSION 94" X 23 5/8" X 4-3/4" ADA COMPLIANT, SOPSTONE COMPOSITE STONE WITH HONED FINISH, METICULOUSLY HAND CRAFTED, SMOOTH, EASY TO CLEAN SURFACE WITH STAIN RESISTANT QUALITIES. ECO- SENSITIVE WITH HIGH RECYCLED MATERIAL CONTEN	WALL MOUNT	FOR SOPHSTONE VANITY COLORS REFER TO ARCHITECTURAL DRAWINGS	-	-	2"	1-1/2"
P5d	VANITY SINK	YES	SOPHSTONE	SOPH-ST144	SINK DIMENSION 114" X 23 5/8" X 4-3/4" ADA COMPLIANT, SOPSTONE COMPOSITE STONE WITH HONED FINISH, METICULOUSLY HAND CRAFTED, SMOOTH, EASY TO CLEAN SURFACE WITH STAIN RESISTANT QUALITIES. ECO- SENSITIVE WITH HIGH RECYCLED MATERIAL CONTEN	WALL MOUNT	FOR SOPHSTONE VANITY COLORS REFER TO ARCHITECTURAL DRAWINGS	-	-	2"	1-1/2"
P6	MOP SINK	-	ADVANCE TABCO	9-OP-20	16 GAUGE TYPE 304 SERIES STAINLESS STEEL SINK BOWL WITH FLOOR MOUNTED, SINK DIMENSION 21" X 25" X 10". FREE FLOW DRAIN.	FLOOR MOUNT	-	-	-	3'	2"
P7	MOP SINK WALL MOUNTED FAUCET	-	ADVANCE TABCO	K-240	BRASS CHROME PLATED BODY AND SPOUT, CHROME PLATED HANDLES, 8" O.C WATER SUPPLY , QUARTER TURN WEDGE STYLE HANDLES WITH COLORED HOT AND COLD INDEXES, VACUUM BREAKER, BUILT-IN STOPS.	-	-	3/4"	3/4"	-	-
P8	DRINKING FOUNTAIN	YES	ELKAY	LZS8WSLP	ELKAY ENHANCED EZH20 BOTTLE FILLING STATION & SINGLE ADA COOLER, FILTERED 8 GPH FINISH WITH LIGHT GREY GRANITE. 115V/60HZ , FULL LOAD 5 AMPS WITH CHILLING CAPACITY OF 8.0 GPH (GALLONS PER HOUR) OF 50° F DRINKING WATER, HANDS FREE, AUTOMATIC FILTER STATUS RESET, ENERGY SAVINGS, GREEN TICKER, LAMINAR FLOW, ANTIMICROBIAL, REAL DRAIN	WALL MOUNT	-	1/2"	-	2"	1-1/2"
3" FD	FLOOR DRAIN	-	PROSET	T35630-F-P	THE TRAP GUARD DEVICE IS AN INTEGRAL PART OF THE PROSET FLOOR DRAIN AND COMES AS A COMPLETE UNIT. THE DRAIN COMES WITH A PROTECTIVE PLASTIC STRAINER COVER AND A HEAVY PLUG UNDERNEATH THE STRAINER TOP.	FLOOR MOUNT	-	-	-	3'	2"
NOTE: *REFER TO ARCHITECTURAL PLANS FOR EXACT FIXTURE LOCATIONS, QUANTITIES AND ADA REQUIREMENTS. *PLUMBING FIXTURE SCHEDULE INDICATING THE SPECIFIED PRODUCT ARE BASIS OF DESIGN.											

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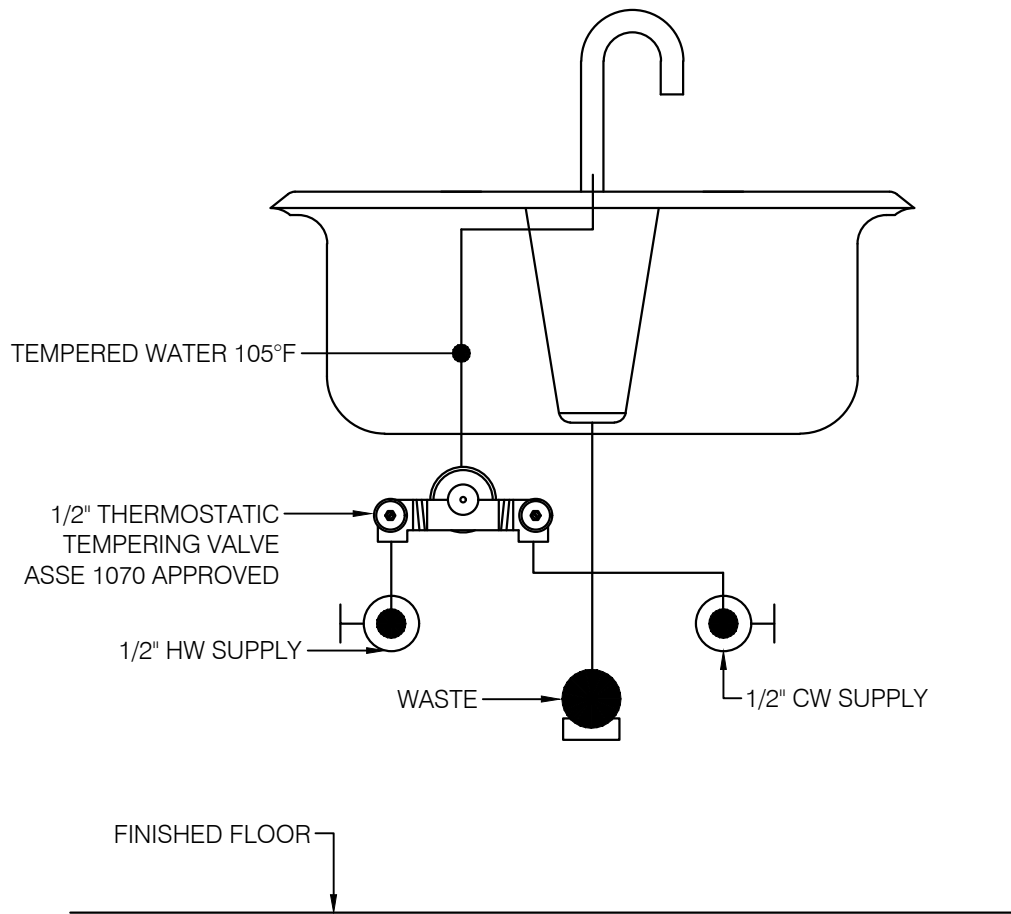
Rev	Date	Issue
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Title PLUMBING SCHEDULES AND DETAILS

Date	01-16-2020
Project No.	1944
Drawing By	CHS
CHK By	KB
Scale	AS NOTED

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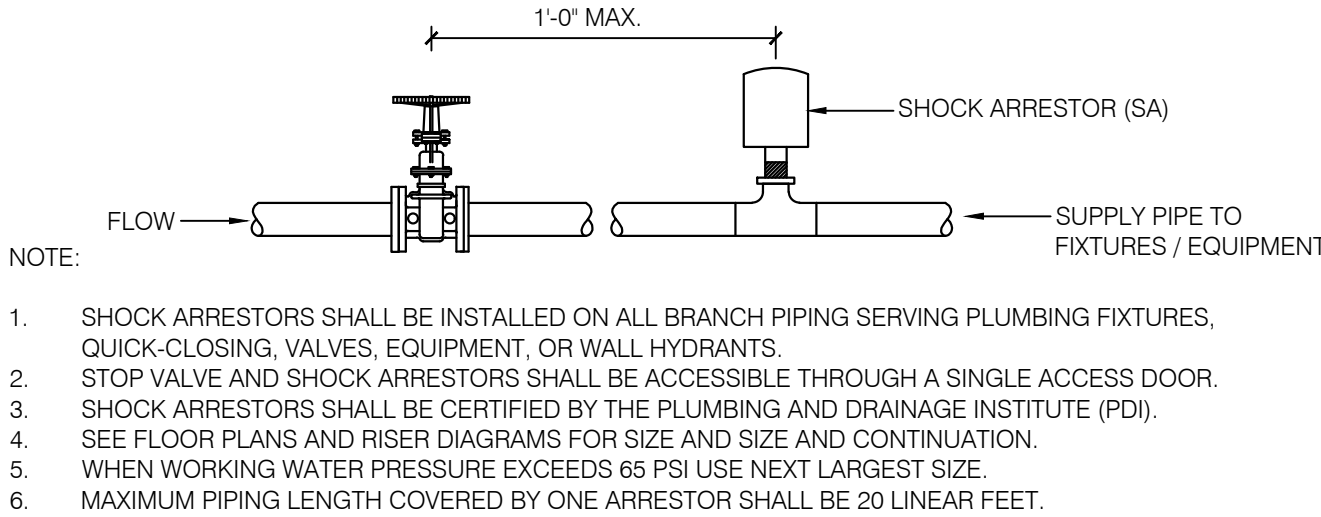
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4

POINT OF USE MIXING VALVE DETAIL

SCALE: NOT TO SCALE



NOTE:

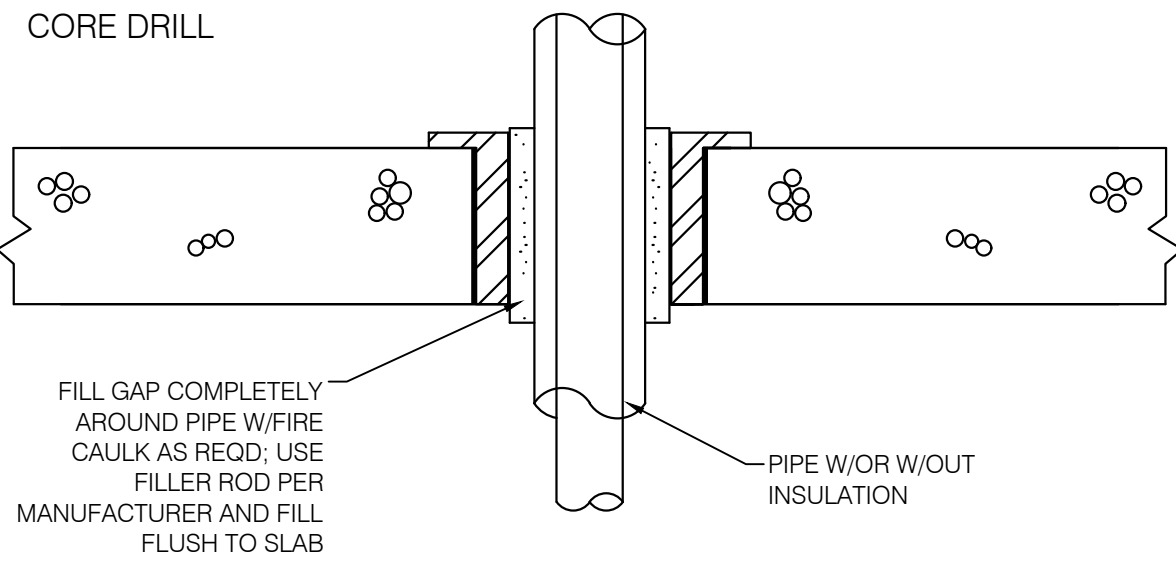
- SHOCK ARRESTORS SHALL BE INSTALLED ON ALL BRANCH PIPING SERVING PLUMBING FIXTURES, QUICK-CLOSING, VALVES, EQUIPMENT, OR WALL HYDRANTS.
- STOP VALVE AND SHOCK ARRESTORS SHALL BE ACCESSIBLE THROUGH A SINGLE ACCESS DOOR.
- SHOCK ARRESTORS SHALL BE CERTIFIED BY THE PLUMBING AND DRAINAGE INSTITUTE (PDI).
- SEE FLOOR PLANS AND RISER DIAGRAMS FOR SIZE AND SIZE AND CONTINUATION.
- WHEN WORKING WATER PRESSURE EXCEEDS 65 PSI USE NEXT LARGEST SIZE.
- MAXIMUM PIPING LENGTH COVERED BY ONE ARRESTOR SHALL BE 20 LINEAR FEET.

WATER HAMMER ARRESTOR SIZE SCHEDULE			
SIZE OF PIPE	FIXTURE UNITS	HAMMER ARRESTOR SIZE (PDI REFERENCE)	
1/2"	1-11	A	
3/4"	12-32	B	
1"	33-60	C	
1 1/4"	61-113	D	
1 1/2"	114-154	E	
2"	155-330	F	

3

SHOCK ARRESTOR DETAIL

SCALE: NOT TO SCALE



CORE DRILL

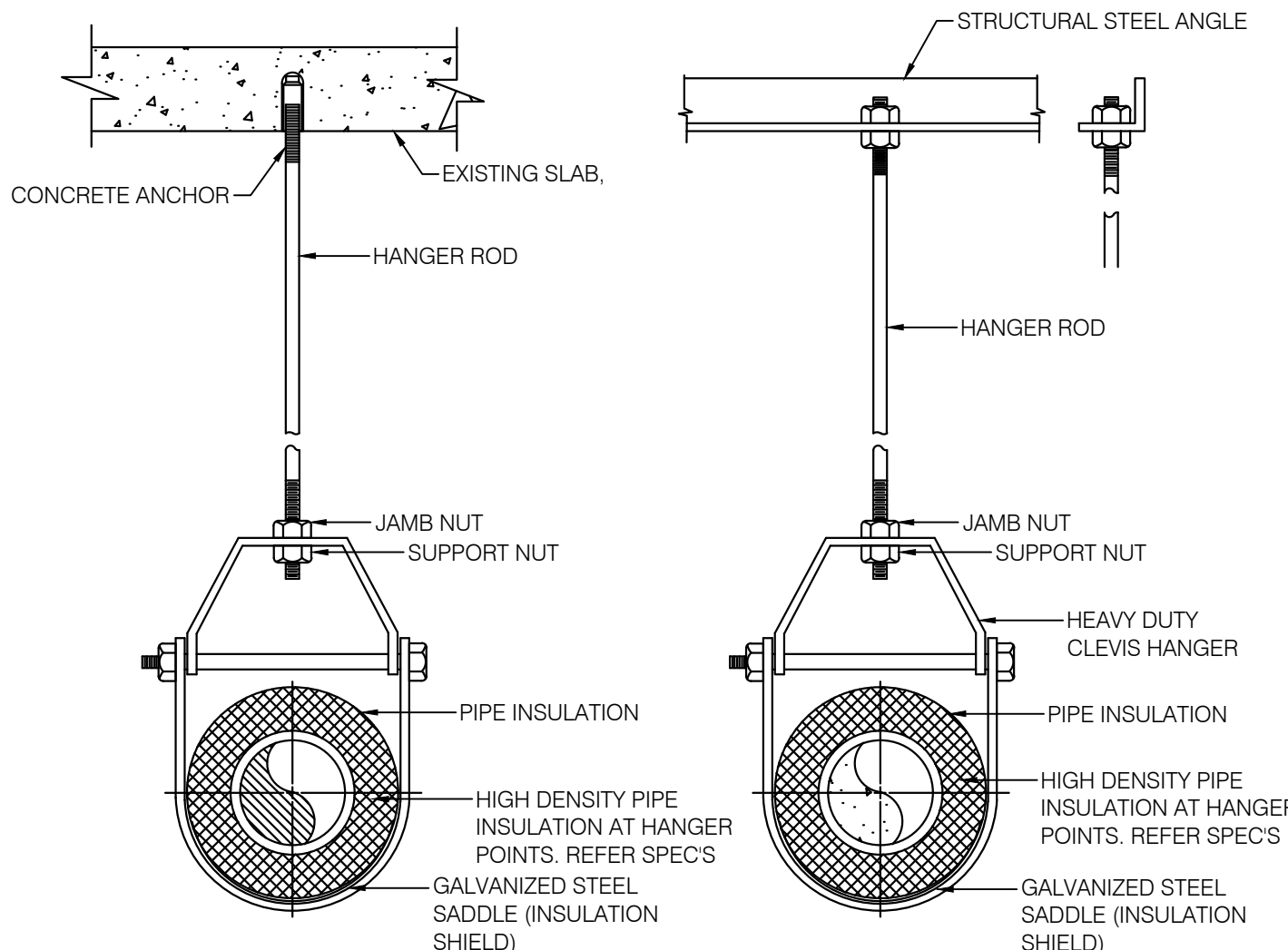
FILL GAP COMPLETELY AROUND PIPE W/RE CAULK AS RECD: USE FILLER ROD PER MANUFACTURER AND FILL FLUSH TO SLAB

NOTE: ALL PIPING SLEEVES WILL BE SCHEDULE 40 STEEL PIPE

2

PIPE PENETRATION THROUGH CONCRETE

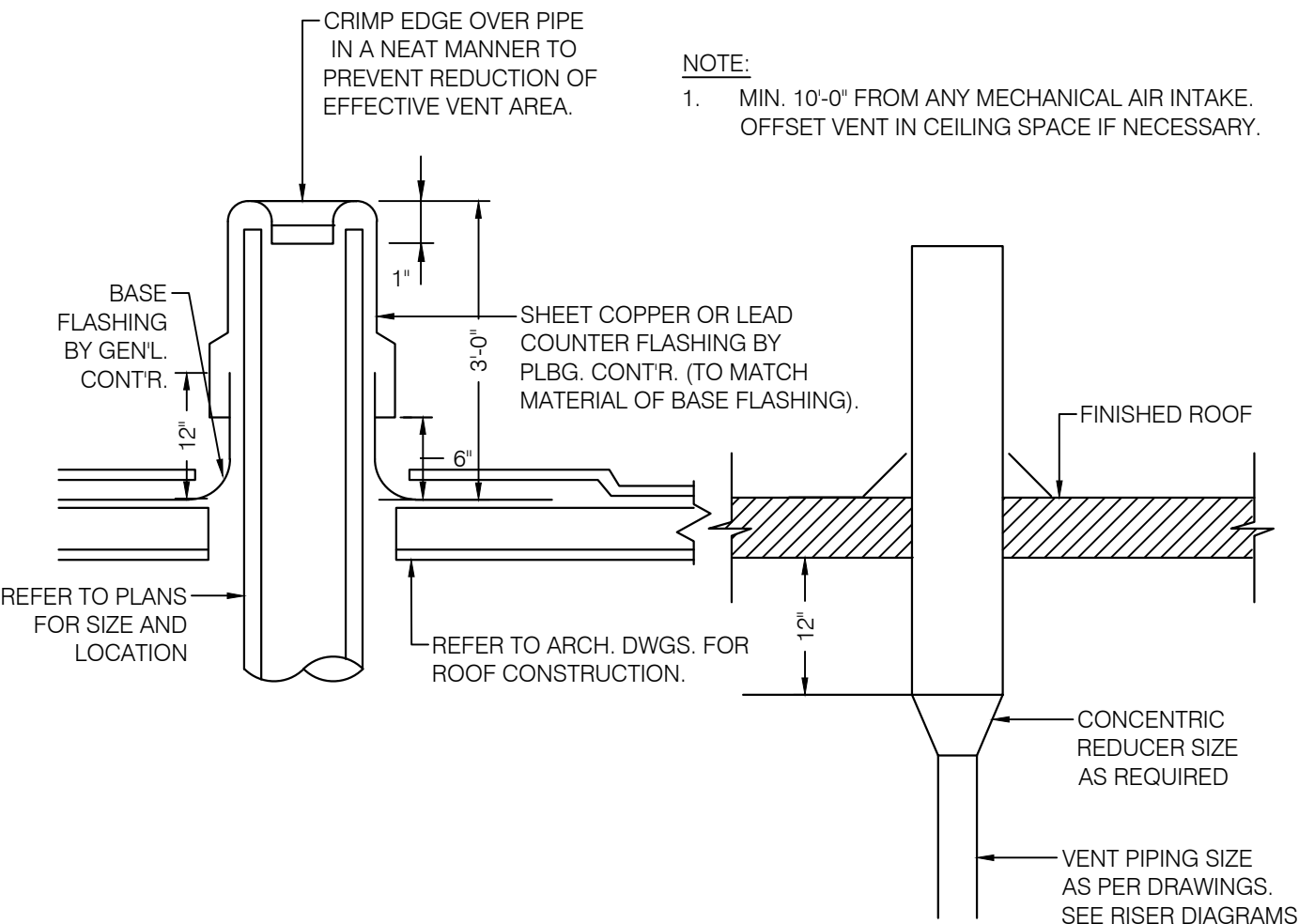
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1

PIPE SUPPORT DETAIL

SCALE: NOT TO SCALE



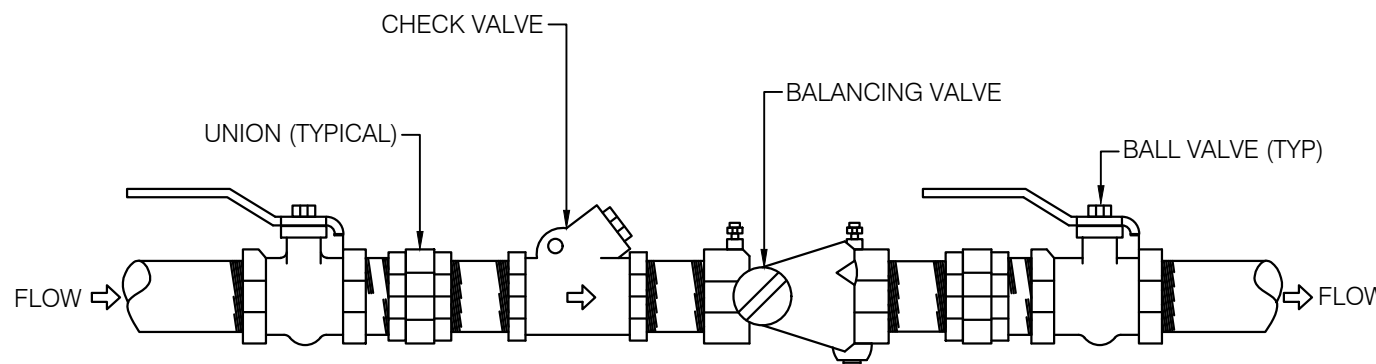
NOTE:

- MIN. 10'-0" FROM ANY MECHANICAL AIR INTAKE. OFFSET VENT IN CEILING SPACE IF NECESSARY.

8

PLUMBING VENT THROUGH ROOF DETAIL

SCALE: NOT TO SCALE



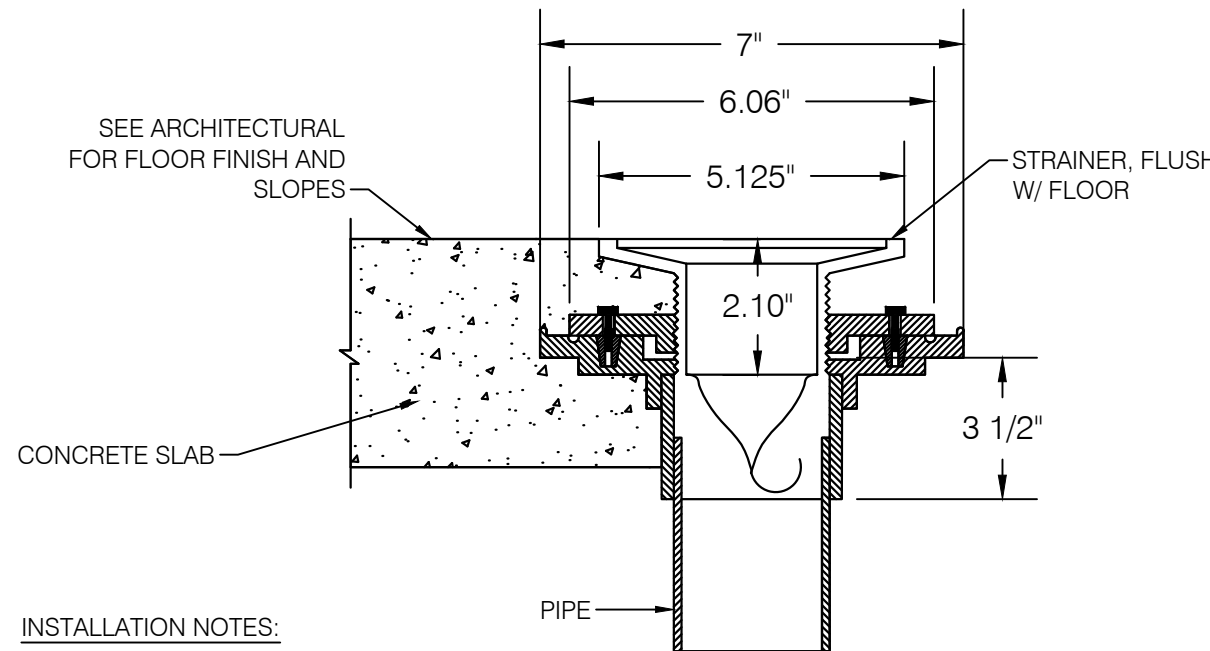
NOTES:

- ALL THREADED PIPING BETWEEN UNIONS SHALL BE BRASS.
- INSTALL DIE-ELECTRIC UNIONS FOR PIPING CONNECTIONS OF DISSIMILAR METALS.
- CONTRACTOR SHALL BALANCE THE HWR SYSTEM TO ACHIEVE SUFFICIENT FLOW THROUGH THE SYSTEM TO MAINTAIN DESIRED TEMPERATURE OF 120° F AT REMOTE FIXTURE.

7

DOMESTIC HOT WATER RETURN BALANCING ASSEMBLY

SCALE: NOT TO SCALE



INSTALLATION NOTES:

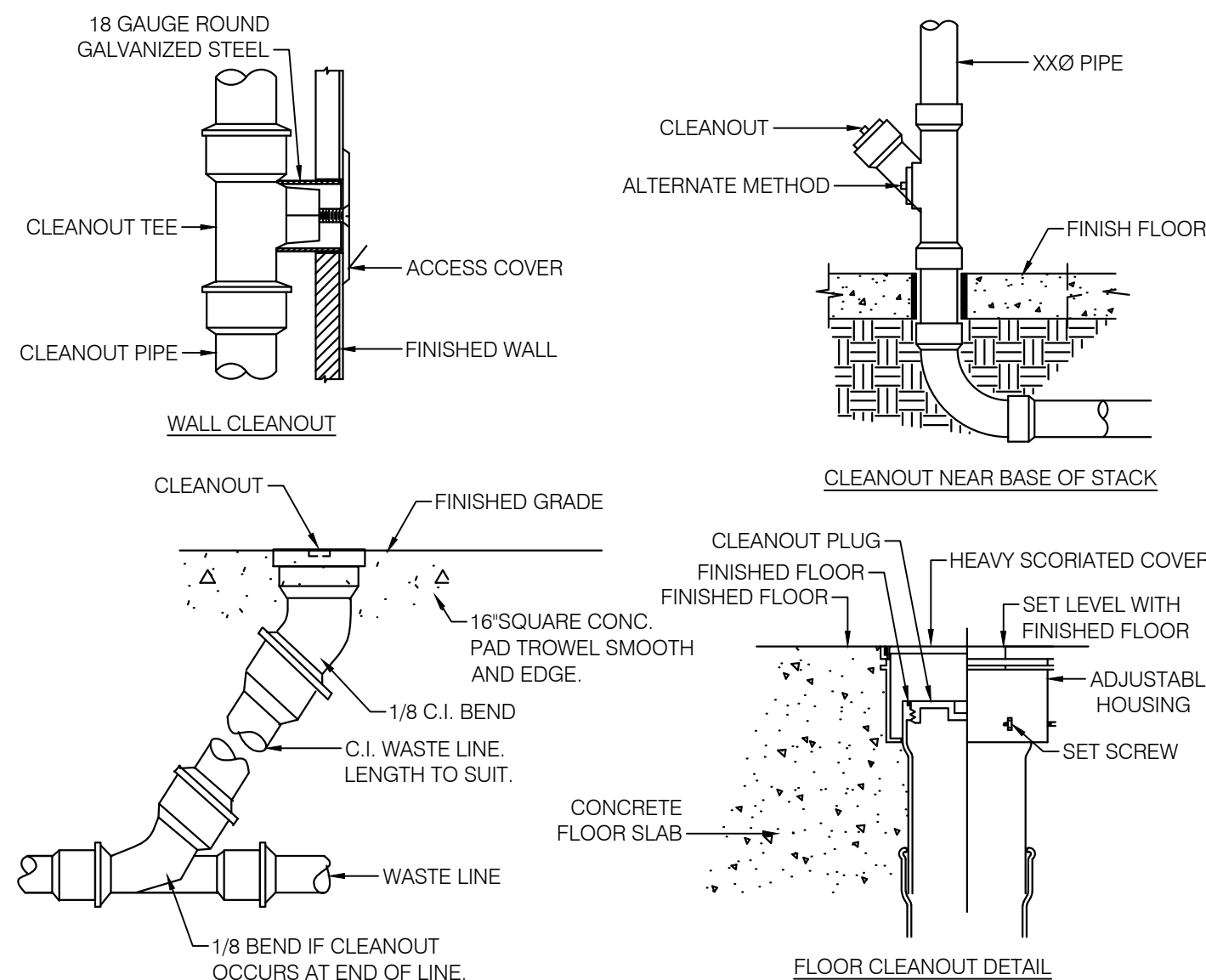
- THE TRAP GUARD DEVICE IS AN INTEGRAL PART OF THE PRESET FLOOR DRAIN AND COMES AS A COMPLETE UNIT.
- THE INSTALLATION IS IDENTICAL TO ANY TYPICAL FLOOR DRAIN ASSEMBLY CONNECTING TO PLASTIC OR C.L. PIPE.
- THE DRAIN COMES WITH A PROTECTIVE PLASTIC STRAINER COVER AND A HEAVY PLUG UNDERNEATH THE STRAINER TOP.
- AFTER THE CONCRETE POUR, THE PLASTIC STRAINER COVER SHOULD BE REMOVED. A FACTORY INSTALLED ELASTOMERIC PLUG PROTECTS THE TRAP GUARD DEVICE DURING CONSTRUCTION AND CAN BE USED AS A TEST PLUG AND MUST BE REMOVED BEFORE NORMAL DRAIN USAGE. IF THE TRAP GUARD DEVICE SHOULD GET DAMAGED OR IMPAIRED IN ANY WAY, THE DEVICE CAN BE EASILY REMOVED. A PULLER TOOL ATTACHES TO THE TWO BUILT-IN LUGS INSIDE OF THE TRAP GUARD FOR EASY REMOVAL & REPLACEMENT. NOT TO BE USED ON WAXED OR GREASE-LANDEN FLOORS.

NOTE: CARE SHOULD BE TAKEN NOT TO TOUCH THE FLEXIBLE MATERIAL WITH PRIMER OR SOLVENT CEMENT.

6

TRAP GUARD FLOOR DRAIN DETAIL

SCALE: NOT TO SCALE



5

CLEANOUT DETAILS

SCALE: NOT TO SCALE

- A. EXISTING WORK SHOWN IS BASED ON AVAILABLE DOCUMENTATION AND SPOT CHECKS ON SURVEY. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS AND COORDINATE WITH ENGINEER PRIOR TO PROCEEDING WITH WORK.
- B. THE DEMOLITION PLAN IS INTENDED TO PROVIDE THE CONTRACTOR WITH A GENERAL KNOWLEDGE OF THE EXISTING CONDITIONS WITHIN THE PROJECT AREA.
- C. CONTRACTOR SHALL SCHEDULE ALL WORK IN ACCORDANCE WITH OWNER'S REQUIREMENTS.
- D. CONTRACTOR TO FIELD COORDINATE ALL REMOVAL/ STORAGE/DISPOSAL OF EXISTING EQUIPMENT WITH THE OWNER.
- E. CONTRACTOR TO COORDINATE WITH ARCHITECT AND STRUCTURAL ENGINEER TO PATCH AND REPAIR AREAS AFFECTED BY DEMOLITION WORK.
- F. CONTRACTOR TO REINSTALL ALL THERMOSTATS OR SENSORS AFFECTED BY DEMOLITION.

1. REMOVE EXISTING EXHAUST GRILLE AND ASSOCIATED DUCTWORK, ACCESSORIES, FITTINGS, HANGERS AND SUPPORTS FROM POINT OF DISCONNECTION SHOWN.
2. DISCONNECT AND RELOCATE EXISTING SUPPLY AIR GRILLE. CAP AND SEAL DUCT OPENING AIR TIGHT. SEE NEW WORK PLAN ON DWG. 2/M-101.00 FOR EXACT LOCATION.

1. PROVIDE EXHAUST LINEAR DIFFUSER AT THE LOCATION SHOWN AND COORDINATE WITH ARCH. RCP. (TYP.)
2. ALL UNUSED DUCT OPENINGS SHALL BE CAP AND SEALED AIR TIGHT.
3. TAB CONTRACTOR TO BALANCE RELOCATED SUPPLY AIR GRILLE TO AIRFLOW SHOWN ON PLANS.
4. PROVIDE DOOR LOUVER OF 0.4 SQ FT WITH 100% FREE AREA.

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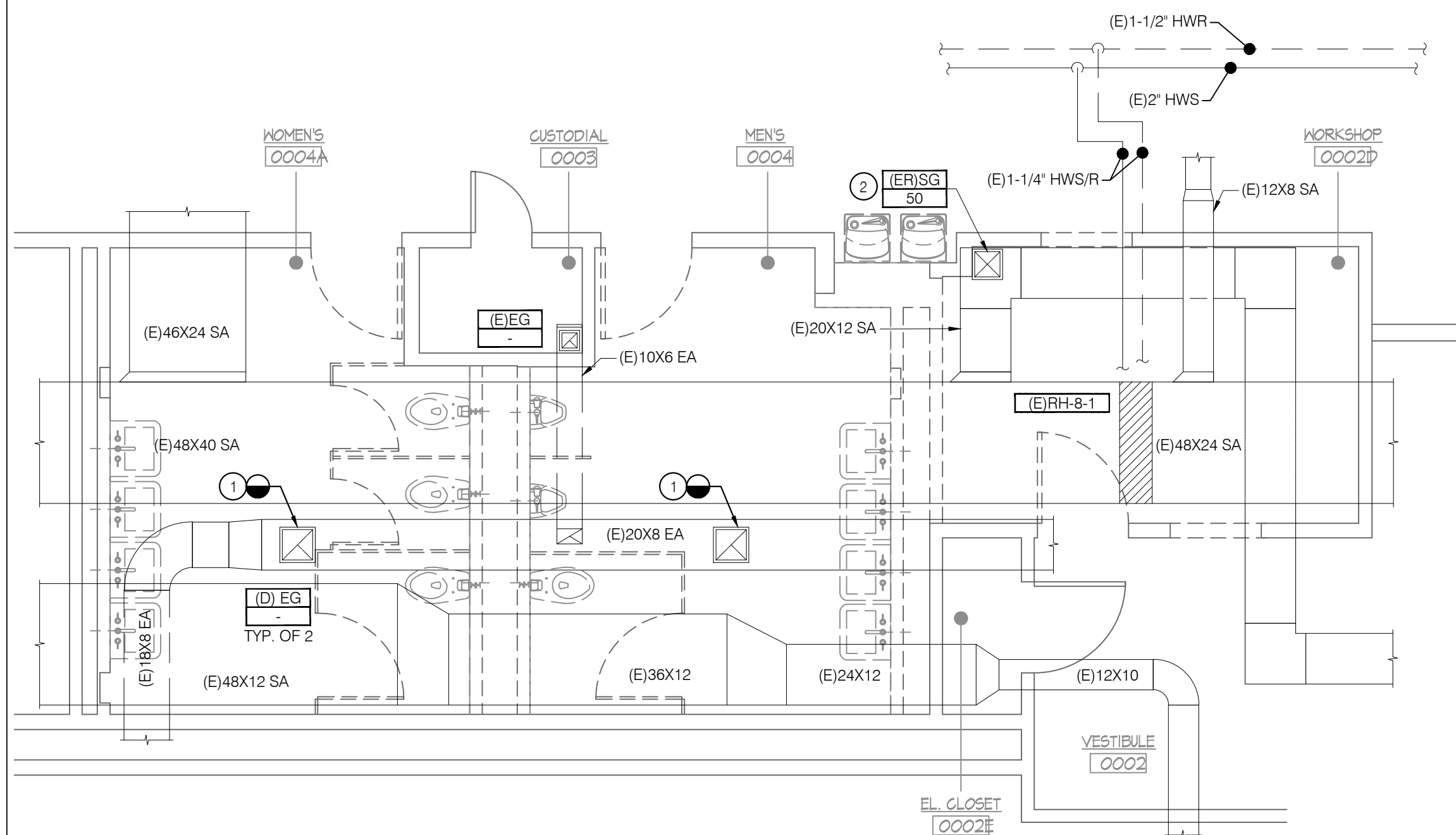
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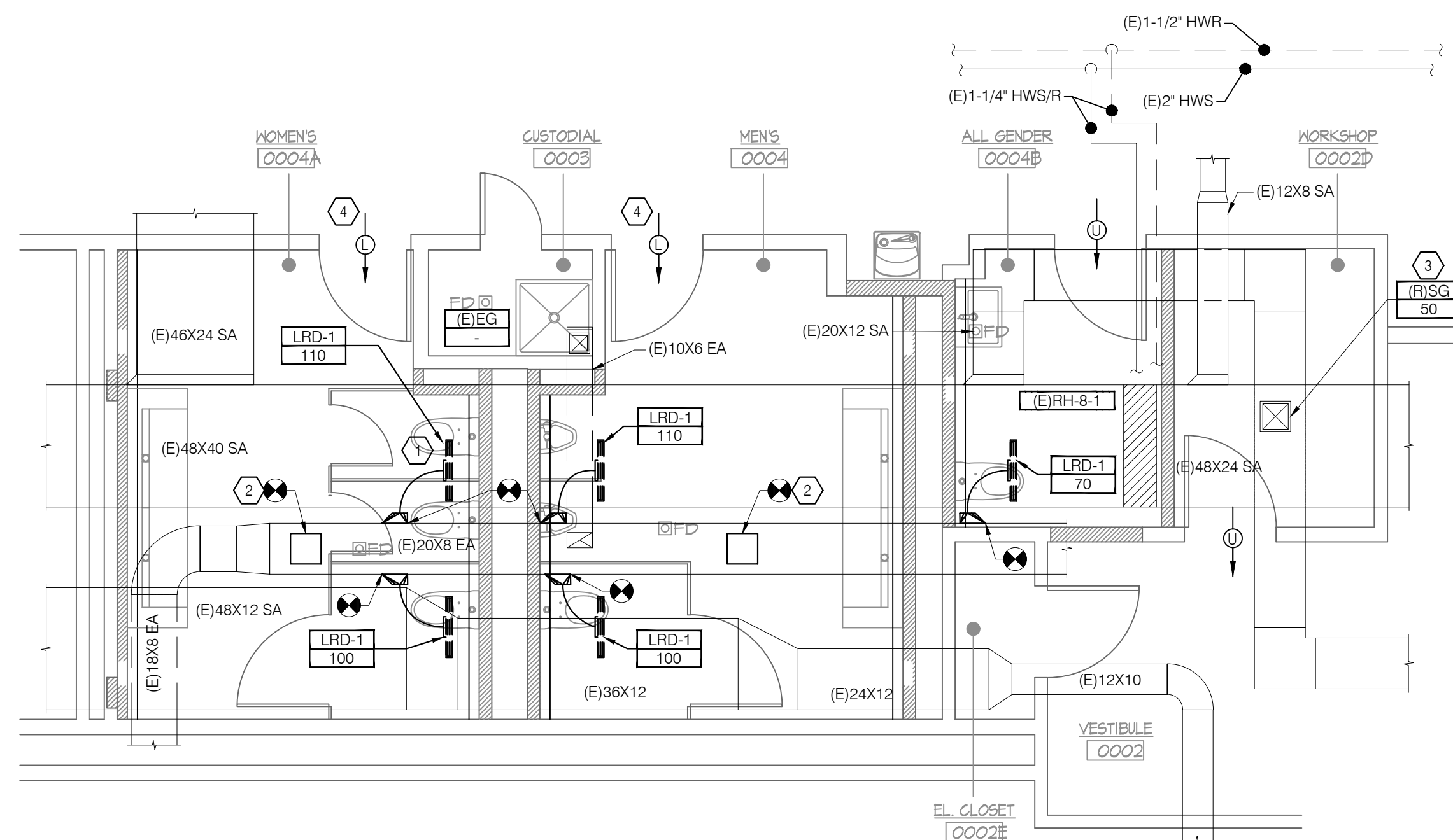
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1

M-101.00

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

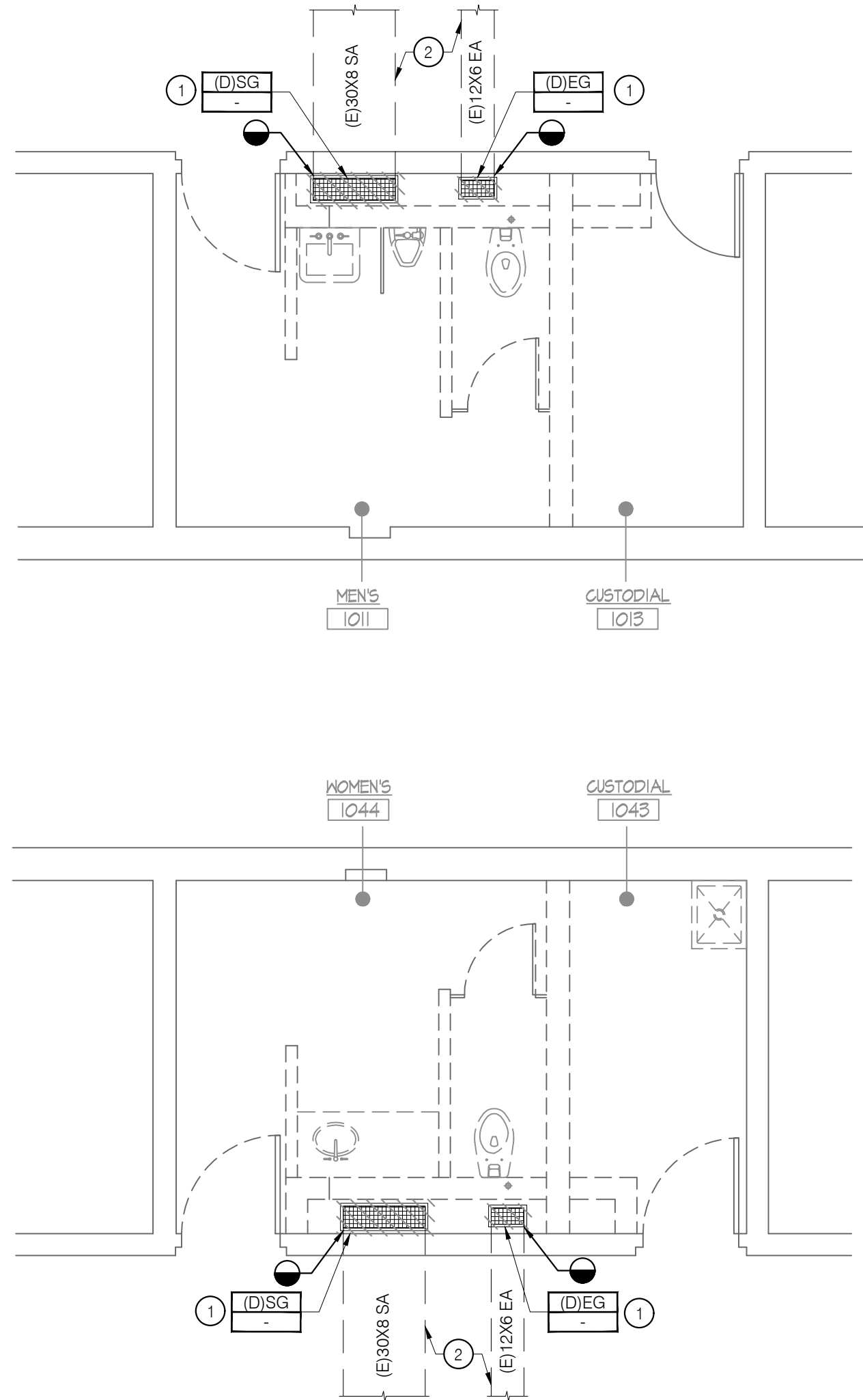


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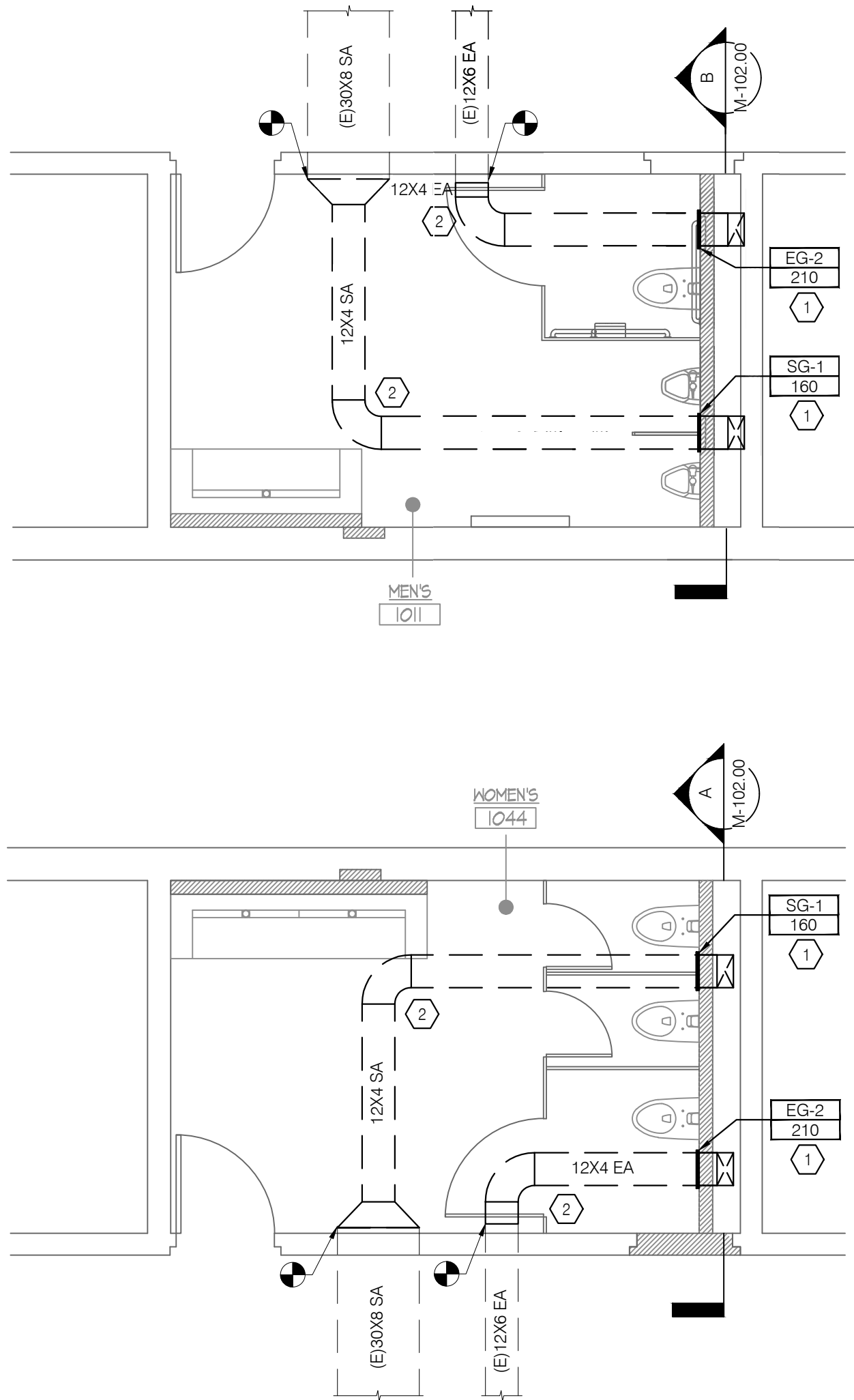
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SCALE: 1/4" = 1'-0"

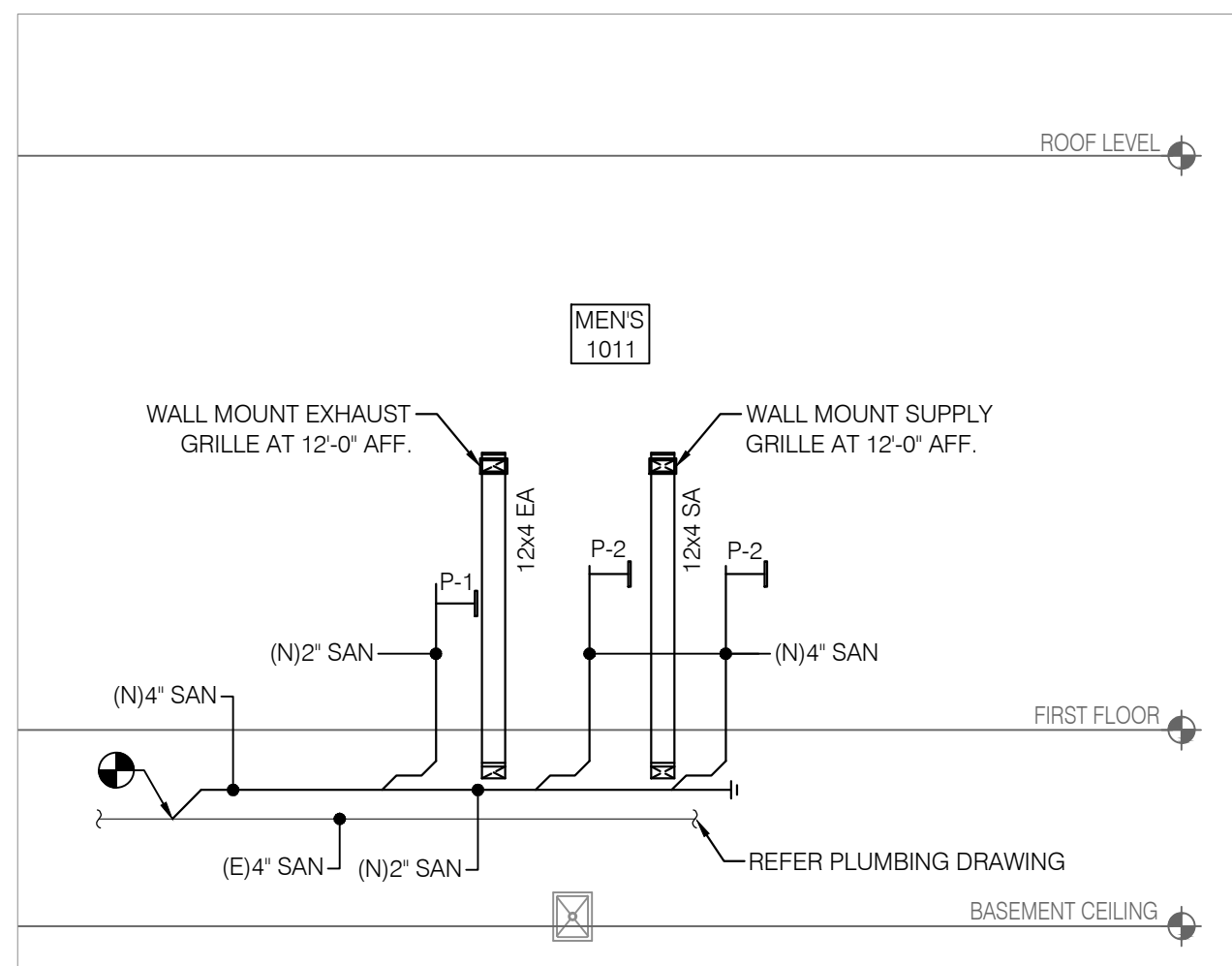




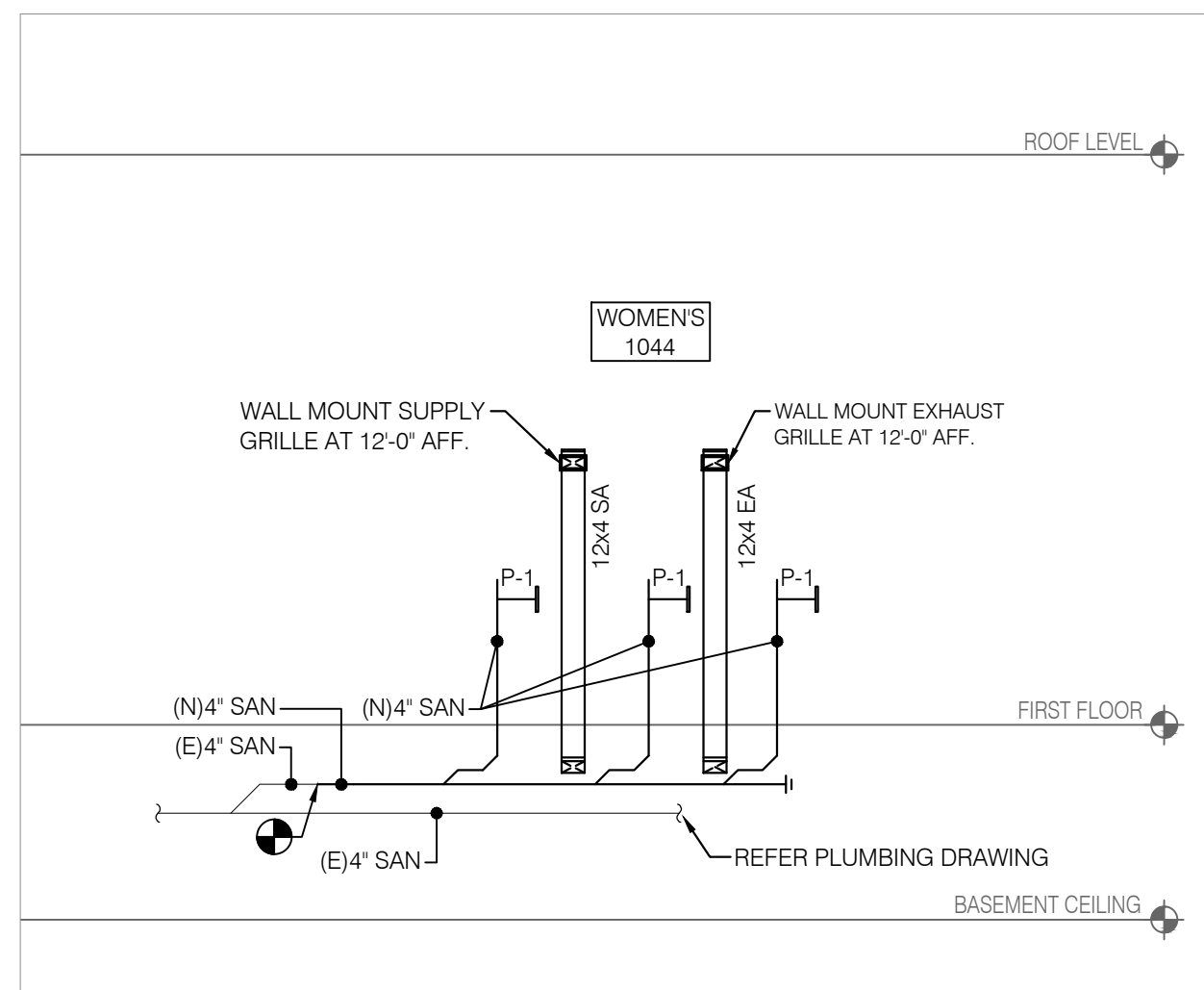
1 FIRST FLOOR PLAN - MECHANICAL REMOVALS
SCALE: 1/4" = 1'-0"



2 FIRST FLOOR PLAN - MECHANICAL NEW WORK
SCALE: 1/4" = 1'-0"



B SECTIONAL VIEW OF DUCT AND SANITARY PIPE COORDINATION
SCALE: NTS



A SECTIONAL VIEW OF DUCT AND SANITARY PIPE COORDINATION
SCALE: NTS

GENERAL NOTES

- EXISTING WORK SHOWN IS BASED ON AVAILABLE DOCUMENTATION AND SPOT CHECKS ON SURVEY. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS AND COORDINATE WITH ENGINEER PRIOR TO PROCEEDING WITH WORK.
- THE DEMOLITION PLAN IS INTENDED TO PROVIDE THE CONTRACTOR WITH A GENERAL KNOWLEDGE OF THE EXISTING CONDITIONS WITHIN THE PROJECT AREA.
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- CONTRACTOR TO REINSTALL ALL THERMOSTATS OR SENSORS AFFECTED BY DEMOLITION.

DEMOLITION KEY NOTES

- REMOVE EXISTING DUCTWORK AND ALL ASSOCIATED AIR DEVICES ACCESSORIES/FITTINGS, INSULATION, HANGERS, SUPPORTS, ETC., WITHIN THE WORK AREA SHOWN.
- EXISTING SUPPLY & EXHAUST DUCTS RUNNING IN CEILING BELOW TO REMAIN.

SHEET KEY NOTES

- PROVIDE WALL MOUNT SUPPLY AND EXHAUST GRILLE AT 12'-0" AFF. AND CONNECT TO THE RESPECTIVE MAIN DUCTS RUNNING IN BELOW PLENUM.
- NEW SUPPLY AND EXHAUST DUCT RUNNING IN CEILING BELOW. CONTRACTOR TO COORDINATE WITH OTHER DISCIPLINES.

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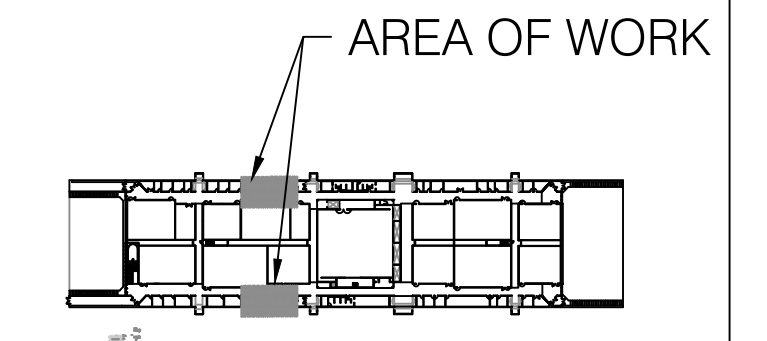
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KEY PLAN

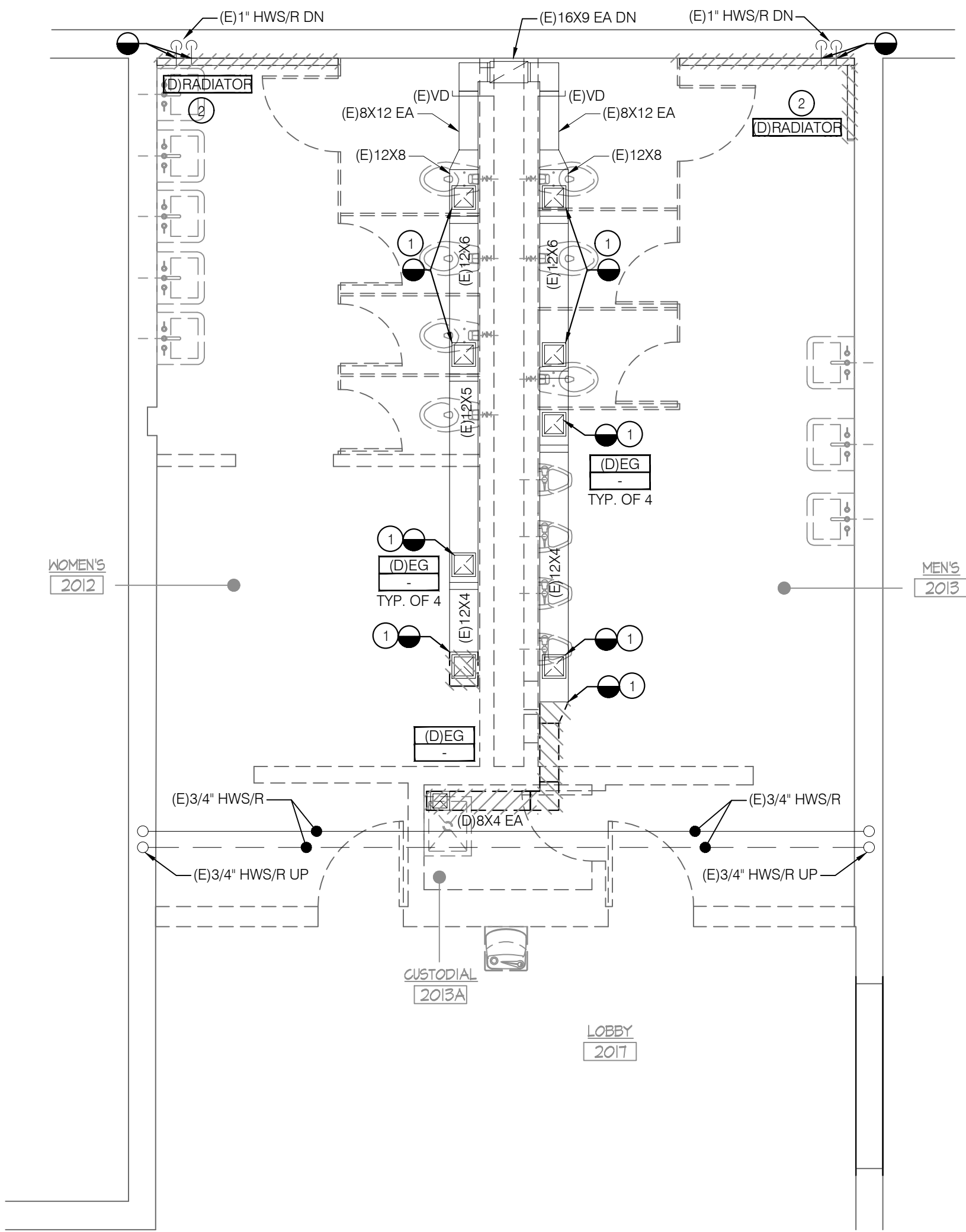


Title DANCE INSTRUCTIONAL FACILITIES - MECHANICAL PLANS

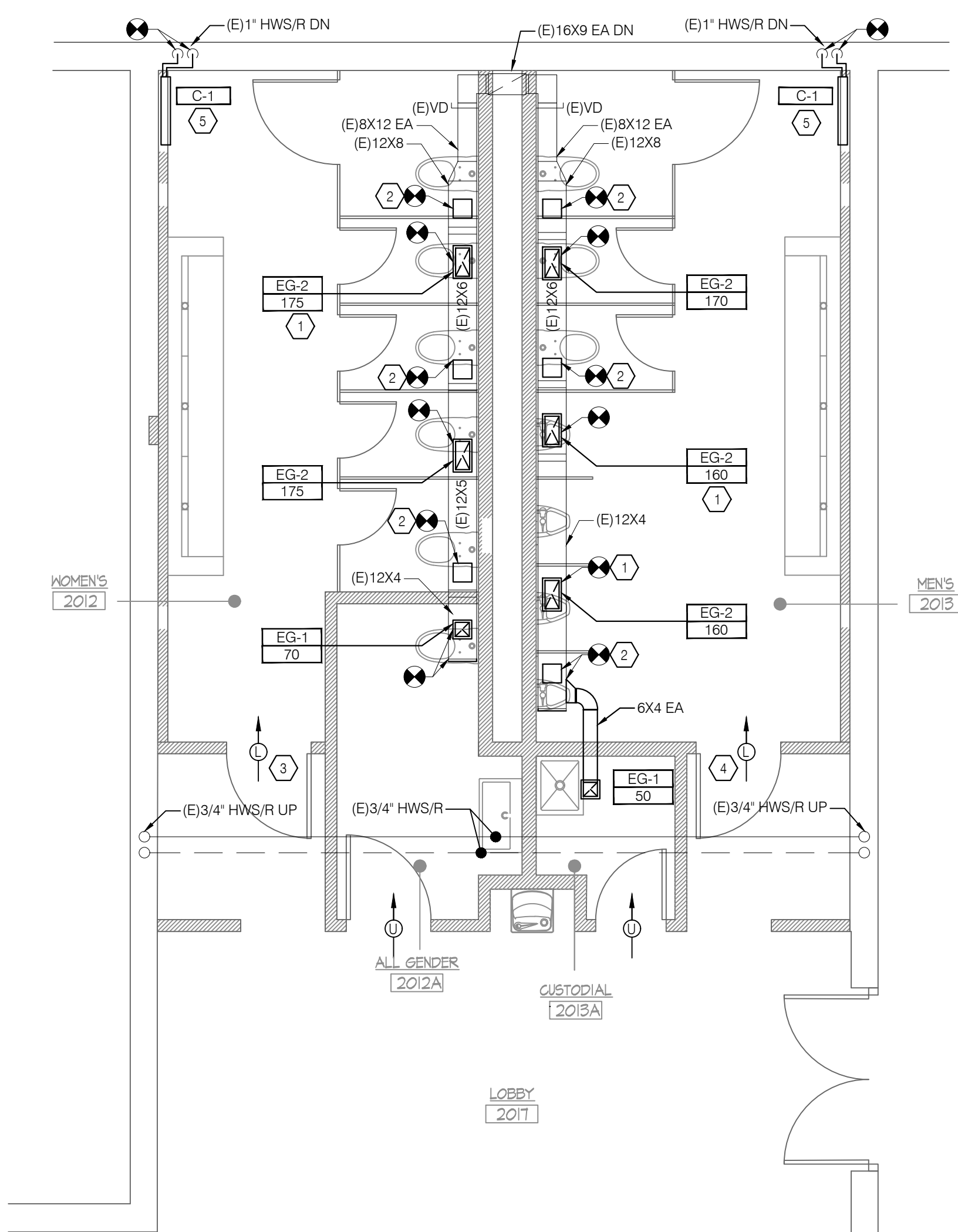
Date 01-16-2020
Project No. 1944
Drawing By AKV
CHK By BS
Scale AS NOTED

DOB Rev
M-102.00





1 SECOND FLOOR PLAN - MECHANICAL REMOVALS
M-103.00 SCALE: 1/4" = 1'-0"



2 SECOND FLOOR PLAN - MECHANICAL NEW WORK
M-103.00 SCALE: 1/4" = 1'-0"

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- CONTRACTOR SHALL SCHEDULE ALL WORK IN ACCORDANCE WITH OWNER'S REQUIREMENTS.
- CONTRACTOR TO FIELD COORDINATE ALL REMOVAL/STORAGE/DISPOSAL OF EXISTING EQUIPMENT WITH THE OWNER.
- CONTRACTOR TO COORDINATE WITH ARCHITECT AND STRUCTURAL ENGINEER TO PATCH AND REPAIR AREAS AFFECTED BY DEMOLITION WORK.
- CONTRACTOR TO REINSTALL ALL THERMOSTATS OR SENSORS AFFECTED BY DEMOLITION.

DEMOLITION KEY NOTES

- REMOVE EXISTING EXHAUST GRILLE AND ASSOCIATED DUCTWORK, ACCESSORIES, FITTINGS, HANGERS AND SUPPORTS FROM POINT OF DISCONNECTION SHOWN.
- REMOVE EXISTING RADIATOR AND ASSOCIATED PIPING, VALVES, SUPPORTS, CONTROLS ETC. PIPING SHALL BE REMOVED UP TO THE POINT OF DISCONNECTION SHOWN IN PLANS.

SHEET KEY NOTES

- PROVIDE EXHAUST GRILLE AT THE LOCATION SHOWN AND COORDINATE WITH ARCH. RCP. (TYP.)
- ALL UNUSED DUCT OPENINGS SHALL BE CAP AND SEALED AIR TIGHT.
- PROVIDE DOOR LOUVER OF 0.7 SQ FT WITH 100% FREE AREA.
- PROVIDE DOOR LOUVER OF 0.9 SQ FT WITH 100% FREE AREA.
- PROVIDE NEW WALL RECESSED CONVECTOR FOR CAPACITIES REFER TO DWG M-601.00. INSTALLATION AND CONTROLS TO MATCH BASE BUILDING STANDARDS. COORDINATE WITH BUILDING ENGINEER.

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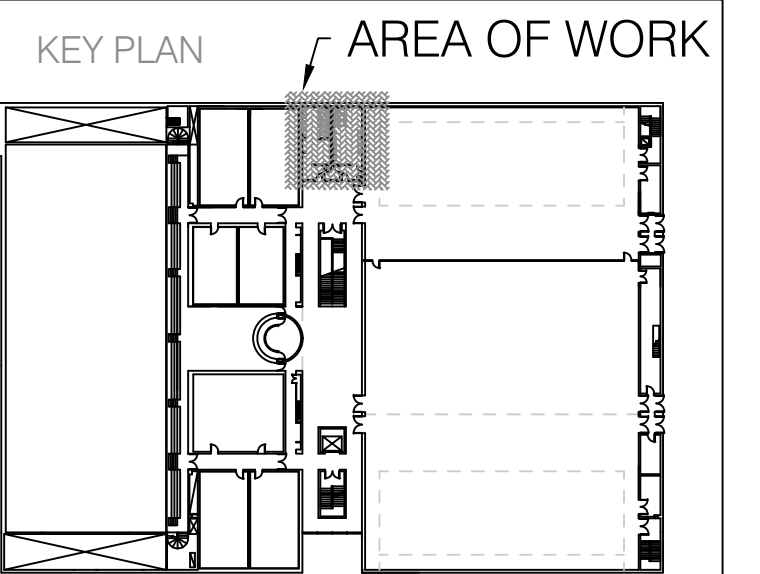
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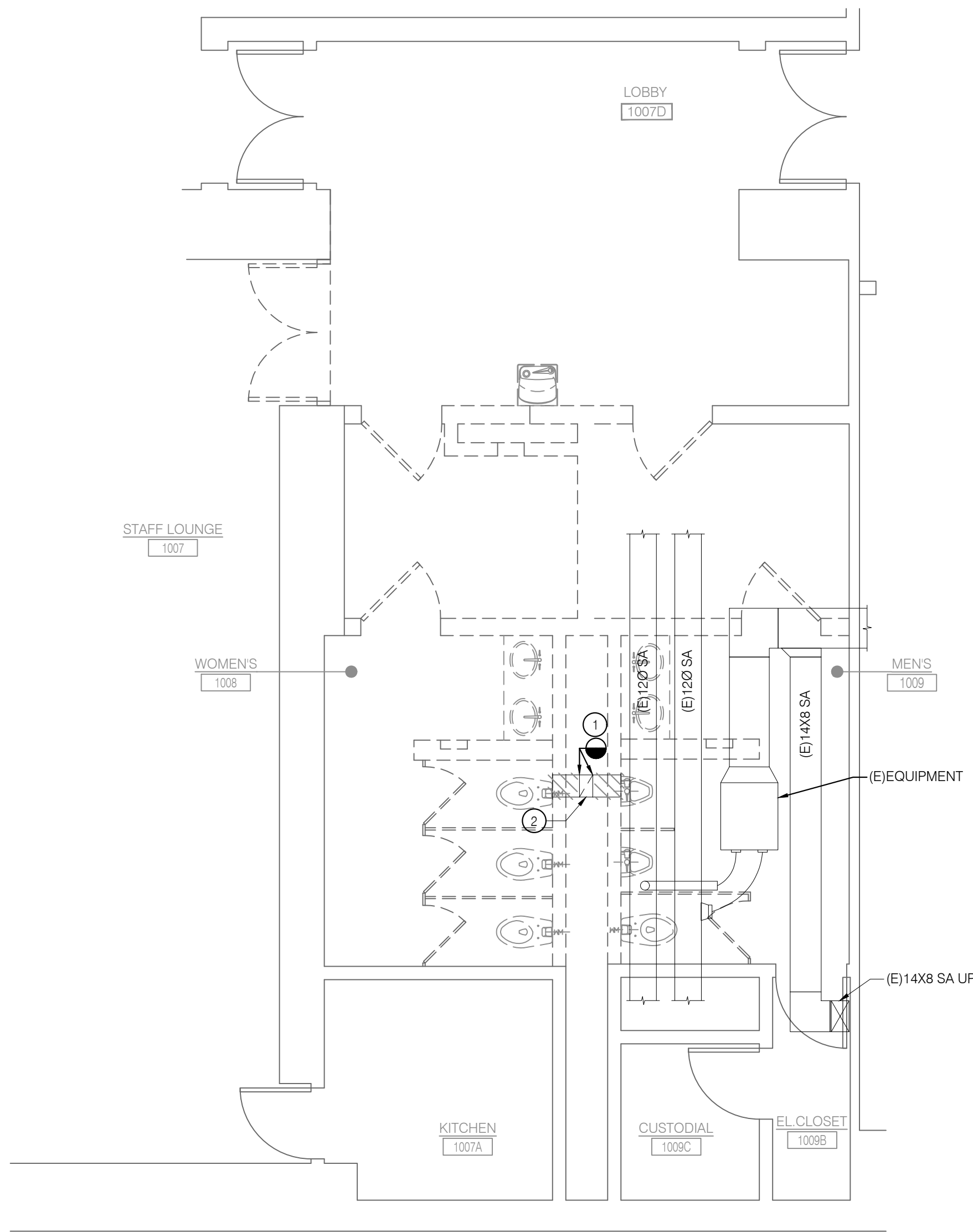


Title PHYSICAL EDUCATION - MECHANICAL PLANS

Date	01-16-2020
Project No.	1944
Drawing By	AKV
CHK By	BS
Scale	AS NOTED

DOB Rev
M-103.00

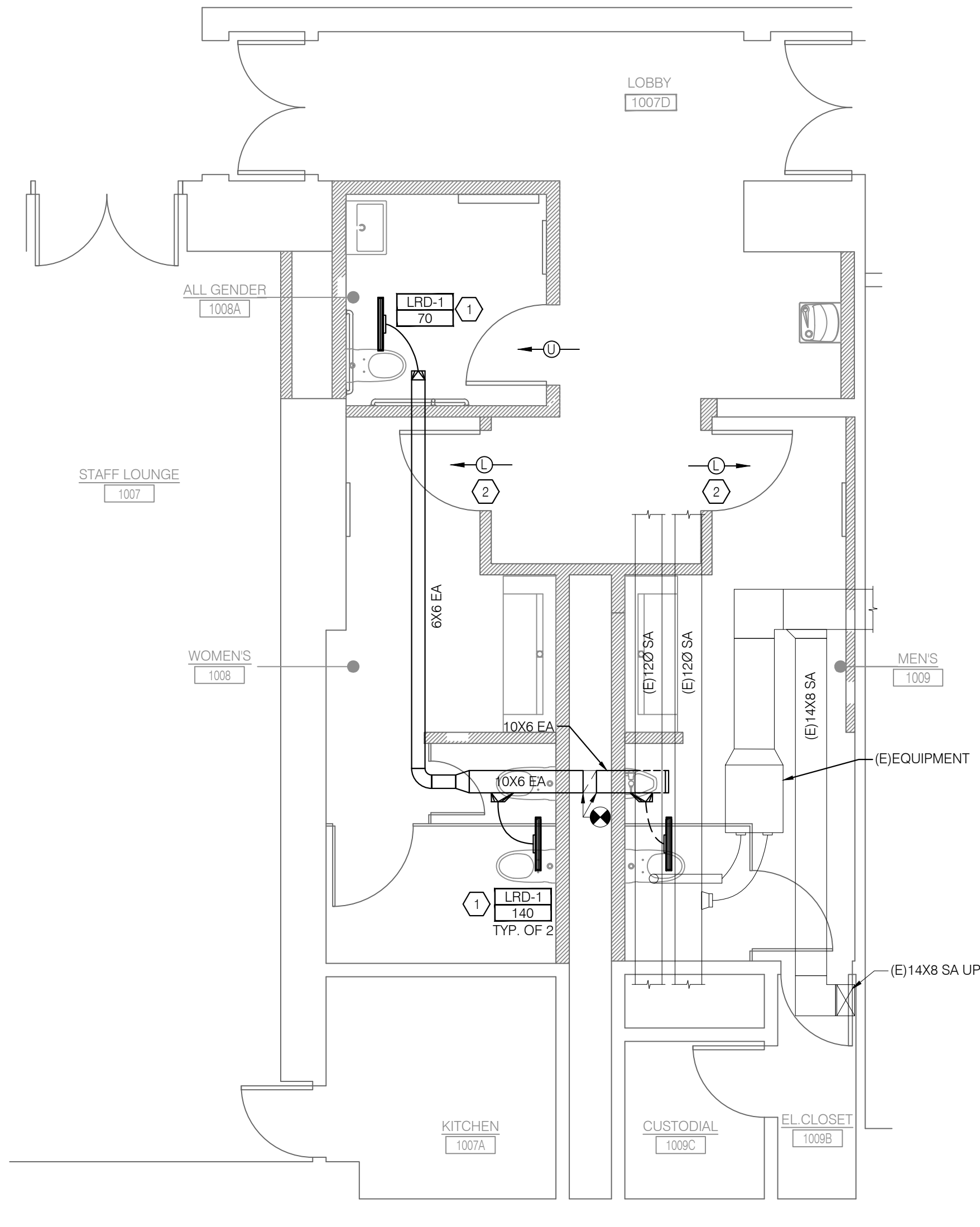




1
M-104.00

BASEMENT LEVEL PLAN - MECHANICAL REMOVALS

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



2
M-104.00

BASEMENT LEVEL PLAN - MECHANICAL NEW WORK

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

GENERAL NOTES

- EXISTING WORK SHOWN IS BASED ON AVAILABLE DOCUMENTATION AND SPOT CHECKS ON SURVEY. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS AND COORDINATE WITH ENGINEER PRIOR TO PROCEEDING WITH WORK.
- THE DEMOLITION PLAN IS INTENDED TO PROVIDE THE CONTRACTOR WITH A GENERAL KNOWLEDGE OF THE EXISTING CONDITIONS WITHIN THE PROJECT AREA.
- CONTRACTOR SHALL SCHEDULE ALL WORK IN ACCORDANCE WITH OWNER'S REQUIREMENTS.
- CONTRACTOR TO FIELD COORDINATE ALL REMOVAL/STORAGE/DISPOSAL OF EXISTING EQUIPMENT WITH THE OWNER.
- CONTRACTOR TO COORDINATE WITH ARCHITECT AND STRUCTURAL ENGINEER TO PATCH AND REPAIR AREAS AFFECTED BY DEMOLITION WORK.
- CONTRACTOR TO REINSTALL ALL THERMOSTATS OR SENSORS AFFECTED BY DEMOLITION.

DEMOLITION KEY NOTES

- REMOVE EXISTING DUCTWORK AND ALL ASSOCIATED AIR DEVICES ACCESSORIES/FITTINGS, INSULATION, HANGERS, SUPPORTS, ETC., WITHIN THE WORK AREA SHOWN.
- (E)10x6 EA DUCT DN TO REMAIN.

SHEET KEY NOTES

- PROVIDE EXHAUST LINEAR DIFFUSER AT THE LOCATION SHOWN AND COORDINATE WITH ARCH. RCP. (TYP.).
- PROVIDE DOOR LOUVER OF 0.3 SQ FT WITH 100% FREE AREA.

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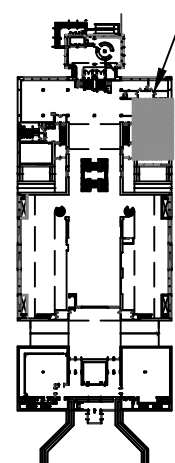
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KEY PLAN



AREA OF
WORK

Title

LIBRARY BUILDING - MECHANICAL PLANS

Date 01-16-2020
Project No. 1944
Drawing By AKV
CHK By BS
Scale AS NOTED

DOB Rev

M-104.00



AIR DEVICE SCHEDULE											
UNIT MARK	AIR FLOW RANGE (CFM)	MAX. SP (IN WG)	MAX. NC	DEVICE TYPE	SIZE			NO. OF SLOTS	BASIS OF DESIGN		NOTES
					NECK (IN)	MODULE (IN)	SLOT (IN)		MANUFACTURER	MODEL	
LRD-1	70/LF	0.1	22	LINEAR LOT DIFFUSER	6	24X2.5	1	2	TITUS	MLR39	1, 2, 3
SG-1	70-210	0.1	13	SUPPLY GRILLE	12X6	14X8	-	-	TITUS	300R	1, 2, 3
EG-1	0-70	0.1	10	EXHAUST GRILLE	6X6	8X8	-	-	TITUS	350RL	1,2
EG-2	70-210	0.1	11	EXHAUST GRILLE	12X6	14X8	-	-	TITUS	350RL	1,2
NOTES: 1. PROVIDE OPPOSED BLADE DAMPERS IN ALL DIFFUSERS & GRILLES WITH SCREWDRIVER ADJUSTMENT ACCESSIBLE THROUGH FACE OF THE GRILLE. 2. DIFFUSER/GRILLES SHALL BE TESTED IN ACCORDANCE WITH ANSI/ASHRAE STANDARD 70-2006. 3. ALL ML TYPE LINEAR SUPPLY/RETURN DIFFUSERS SHALL BE PROVIDED WITH MP TYPE PLENUM BOX.											

CONVECTOR SCHEDULE											
UNIT NO	TYPE	SIZE			MBH	GPM	EWT (°F)	TEMP DROP (°F)	BASIS OF DESIGN		NOTES
		LENGTH	DEPTH	HEIGHT					MANUFACTURER	MODEL	
C-1	RECESSED	29"	4"	17"	1.5	0.40	190	20	TRANE	RG	1, 2, 3
NOTES: 1. UNIT SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATION. 2. COLOR AS SPECIFIED BY ARCHITECT. 3. PROVIDE SHUT-OFF VALVES, CIRCUIT SETTER, TEST PORTS AND INLET STRAINERS.											

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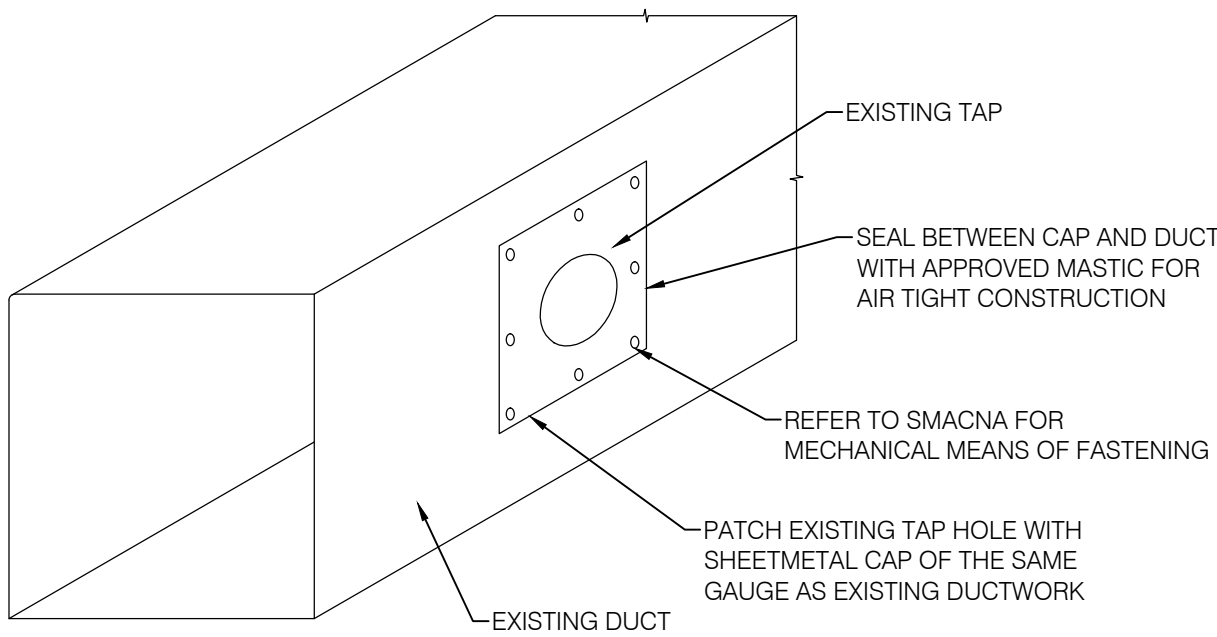
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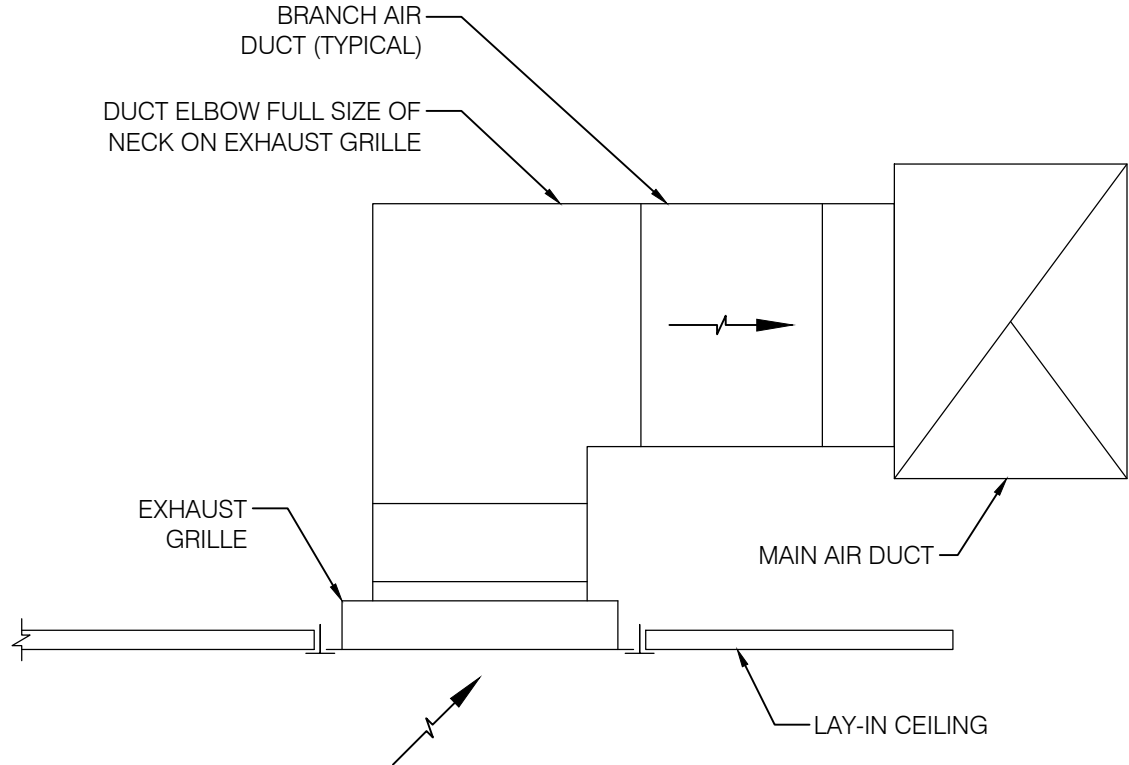
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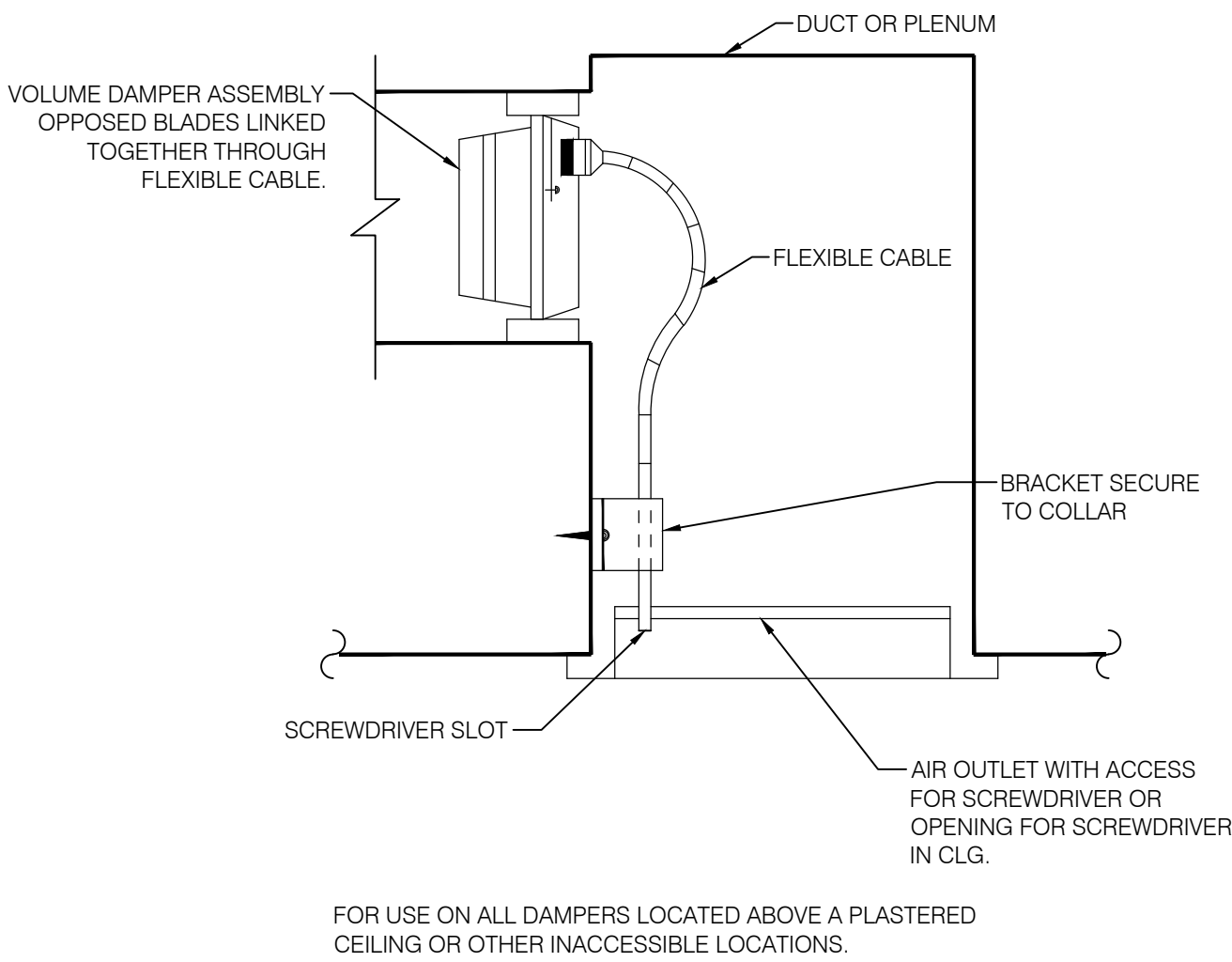
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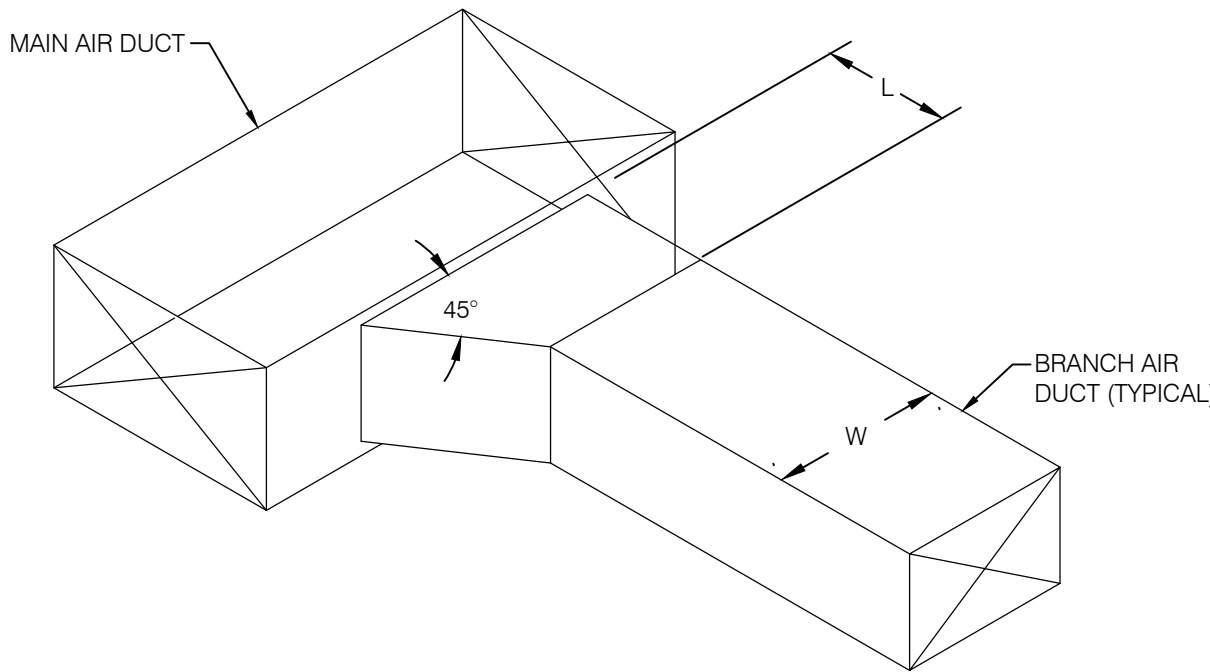
5 PATCHING AND SEALING EXISTING DUCT TAP
M-601.00 SCALE: NOT TO SCALE



3 GRILLE CONNECTION DETAIL
M-601.00 SCALE: NOT TO SCALE

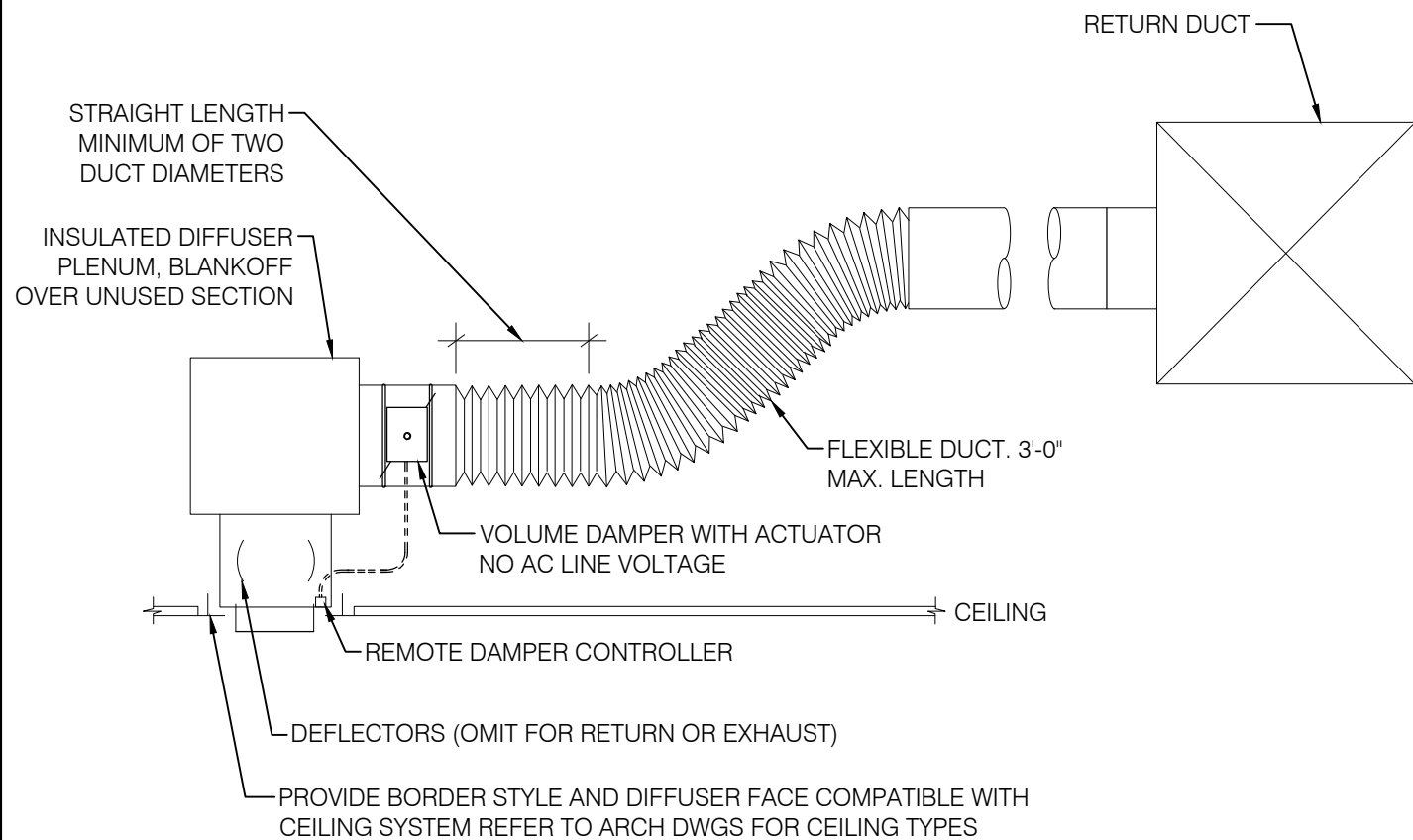


1 REMOTE DAMPER OPERATOR FOR INACCESSIBLE DAMPER
M-601.00 SCALE: NOT TO SCALE



NOTES:
1. L = 1/4 W, 6" MINIMUM

6 EXHAUST AIR DUCT CONNECTION DETAIL
M-601.00 SCALE: NOT TO SCALE



NOTES:

- SUPPORT FLEXIBLE DUCT AT 2'-0" OC MAX. CLAMPS AND HANGERS NOT SHOWN.
- PROVIDE SHEET METAL TRANSITION AS REQUIRED BETWEEN FLEXIBLE DUCT AND DIFFUSER COLLAR IF DIFFUSER DOES NOT HAVE ROUND DUCT CONNECTION.
- PROVIDE REMOTE DAMPER CONTROL FOR ALL DIFFUSERS.
- DIFFUSER SHOWN, REGISTER OR GRILLE SIMILAR.
- ROUND BRANCH DUCT SHOWN, RECTANGULAR BRANCH DUCT SIMILAR WITH APPROPRIATE CONNECTIONS/TRANSITIONS.

4 LINEAR CEILING DIFFUSER (SLOT-TYPE) INSTALLATION (WITH FLEX)
M-601.00 SCALE: NOT TO SCALE

TABLE 1 ALLOWABLE HANGER LOAD (MAX)				TABLE 2 TRAPEZE ANGLE LOAD (MAX)	
STRAPS	LBS	RODS	LBS	L	2" x 2" x 1/4" 2 1/2" x 2 1/2" x 1/4"
2-1"x22 GA	520	2-1/4" Ø	540	36"	1200 LBS 1940 LBS
2-1"x20 GA	640	2-3/8" Ø	1360	48"	1160 LBS 1900 LBS
2-1"x18 GA	840	2-1/2" Ø	2500	60"	1060 LBS 1800 LBS
2-1"x16 GA	1400	2-5/8" Ø	4000	72"	900 LBS 1640 LBS
		2-3/4" Ø	6000	84"	660 LBS 1400 LBS
				96"	320 LBS 1060 LBS

NOTES:

- TABULATED DATA FROM SMACNA ALLOWS FOR DUCT REINFORCING AND INSULATION, BUT NO EXTERNAL LOADS.
- PROVIDE HIGH DENSITY INSERT AT TRAPEZE FOR INSULATED DUCTS.
- SEE STRUCTURAL DRAWINGS FOR DETAILS FOR SECURING RODS TO STRUCTURE.

2 RECTANGULAR DUCT HANGERS
M-601.00 SCALE: NOT TO SCALE

Title
MECHANICAL SCHEDULES
AND DETAILS

Date 01-16-2020
Project No. 1944
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- INSTALLATION OF ALL WORK SHALL BE IN ACCORDANCE WITH THE FOLLOWING REGULATIONS, CODES, ETC.
 - A. LOCAL CODES AND ORDINANCES
 - B. THE EDITION OF THE NATIONAL ELECTRICAL CODE NFPA 70 (NEC) IN EFFECT.
2. CONTRACTOR TO PROVIDE SUFFICIENT NOTICE TO THE OWNER'S REPRESENTATIVE PRIOR TO ANY WORK TO ALLOW ADEQUATE TIME FOR COORDINATION OF EXISTING SITE ACTIVITIES WITH THE CONSTRUCTION WORK.
3. CONTRACTOR TO INCLUDE IN THEIR SCOPE ALL LABOR, MATERIALS, SERVICES, APPARATUS AND SHOP DRAWINGS IN ADDITION TO THE CONTRACT DOCUMENTS AS REQUIRED TO COMPLY WITH ALL APPLICABLE GOVERNING LAWS, CODES AND JURISDICTION REQUIREMENTS. PROVIDE ELECTRICAL EQUIPMENT WITH ALL ASSOCIATED ACCESSORIES, BRANCH CIRCUIT WIRING AND CONDUIT INFRASTRUCTURE AS REQUIRED TO ENSURE A COMPLETE AND OPERATIONAL SYSTEM.
4. ALL MATERIALS AND WORK SHALL BE ACCORDING TO PROJECT SPECIFICATIONS.
5. IF MATERIAL OR EQUIPMENT IS INSTALLED BEFORE IT IS APPROVED, THE CONTRACTOR SHALL BE LIABLE FOR ITS REMOVAL AND REPLACEMENT AT NO ADDITIONAL CHARGE IF IN THE OPINION OF THE ARCHITECT OR ENGINEER, THE MATERIAL OR EQUIPMENT DOES NOT MEET THE INTENT OF THE DRAWINGS AND/OR SPECIFICATIONS.
6. REFER TO ARCHITECTURAL DRAWINGS FOR THE EXACT LOCATION, ELEVATION, MOUNTING HEIGHTS AND DETAILS OF ALL LIGHT FIXTURES AND DEVICES. REPORT ANY DISCREPANCIES TO THE ARCHITECT IMMEDIATELY.
7. ALL NEW SLAB PENETRATIONS SHALL BE X-RAYED OR RADAR PRIOR TO CORE DRILLING. OBTAIN APPROVAL FROM OWNER'S REPRESENTATIVE PRIOR TO ANY CORE DRILLING.
8. PROVIDE FIRESTOPPING MATERIALS TO MAINTAIN INTEGRITY OF THE FIRE RATED CONSTRUCTION WHERE CONDUITS PASS THROUGH WALLS AND FLOORS.
9. CONTRACTOR TO PROVIDE ALL LIGHT FIXTURE AND EQUIPMENT WITH INTEGRAL OR REMOTE MOUNTED ACCESSORY DEVICES WITH ALL NECESSARY COMPONENTS, BRANCH CIRCUIT WIRING AND CONDUITS TO ENSURE A COMPLETE AND OPERATIONAL SYSTEM. CONTRACTOR TO MAKE ALL FINAL CONNECTIONS TO THE EQUIPMENT.
10. ELECTRICAL SYSTEMS SHALL BE GROUNDED PER ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE.
11. PROVIDE AN INSULATED EQUIPMENT GROUNDING CONDUCTOR IN ALL BRANCH CIRCUITS AND FEEDERS INSTALLED IN RACEWAYS. THE DEDICATED EQUIPMENT GROUNDING CONDUCTOR SHALL BE SIZED PER NEC SECTION 250.122. SOLE USE OF METAL RACEWAY AS A GROUNDING CONDUCTOR SHALL NOT BE ACCEPTABLE. WIRING METHODS SHALL BE IN ACCORDANCE WITH NEC SECTION 518.4 FOR ALL ASSEMBLY AREAS.
12. PROVIDE RED COLOR LOCKABLE TYPE BREAKERS FOR CIRCUITS SERVING LIFE SAFETY PANEL BOARDS.
13. NUMBER OF WIRES MAY NOT BE INDICATED FOR ALL CIRCUITS, ONLY THOSE WHERE CLARIFICATION IS NECESSARY. PROVIDE THE NUMBER AND SIZE AS NECESSARY FOR THE PROPER FUNCTION OF THE SYSTEM WHETHER SPECIFICALLY INDICATED ON PLAN OR NOT.
14. UNLESS OTHERWISE NOTED, ALL CONDUCTORS SHALL BE #12 AWG MINIMUM. PROVIDE EACH CIRCUIT HOMERUN WITH A DEDICATED NEUTRAL CONDUCTOR AND INSULATED EQUIPMENT GROUNDING CONDUCTOR.
15. GANG ALL SWITCHES INSTALLED AT THE SAME LOCATION UNDER A SINGLE COVER PLATE. PROVIDE BARRIERS WITHIN THE SWITCH BACK BOX AS REQUIRED TO SEPARATE 120V CIRCUITS FROM 277V CIRCUITS.
16. ALL BACK BOXES INSTALLED IN PARTITION WALLS SHALL BE STAGGERED. BACK-TO-BACK INSTALLATION IS NOT PERMITTED.
17. PROVIDE ACCESS PANELS FOR ALL INACCESSIBLE JUNCTION BOXES AS REQUIRED BY THE N.E.C.
18. CONTRACTOR TO TEST AND VERIFY THE CAPACITY OF THE EXISTING FIRE ALARM SYSTEM SERVING BUILDING PRIOR TO STARTING ANY ASSOCIATED WORK. REPORT IN WRITING, THE TEST RESULTS INCLUDING ANY DEFICIENCIES IDENTIFIED WITHIN THE EXISTING SYSTEM. SUBMIT ASSOCIATED COSTS FOR OWNERS APPROVAL TO REPLACE AND/OR PROVIDE ADDITIONAL EQUIPMENT AND COMPONENTS AS REQUIRED TO ENSURE A COMPLETE AND OPERATIONAL SYSTEM.
19. ELECTRICAL CONTRACTOR TO COORDINATE WITH MECHANICAL, PLUMBING AND OTHER TRADES TO PROVIDE ALL EQUIPMENT ASSOCIATED WITH THEIR RESPECTIVE TRADES WITH NECESSARY WIRING AND CONDUIT INFRASTRUCTURE FOR ALL SENSORS, CONTROL SYSTEMS AND REMOTE MOUNTED CONTROL PANELS AS REQUIRED.
20. CONTRACTOR TO PROVIDE DEDICATED CIRCUIT FOR CONNECTION TO EACH MECHANICAL, PLUMBING AND MISCELLANEOUS EQUIPMENT CONTROL PANELS AS REQUIRED. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH MECHANICAL AND CONTROLS CONTRACTORS.
21. CONTRACTOR TO COORDINATE ELECTRICAL WORK TO AVOID INTERFERENCE BETWEEN ALL TRADES.
 - A. DETERMINE INTERFERENCE BEFORE WORK IS FABRICATED OR INSTALLED. THE CONTRACTOR SHALL BE THOROUGHLY FAMILIAR WITH ALL DETAILS OF WORK AND WORKING CONDITIONS AND COORDINATE WORK DURING PRELIMINARY STAGES TO ENSURE ACTUAL ERECTION WILL PROCEED WITHOUT INTERFERENCE. COORDINATION IS OF PARAMOUNT IMPORTANCE AND REQUESTS FOR ADDITIONAL PAYMENT WILL BE CONSIDERED WHERE REQUEST IS BASED ON INTERFERENCE.
 - B. WHERE JOB CONDITIONS REQUIRE REASONABLE DEVIATIONS FROM CONTRACT DOCUMENTS, MAKE DEVIATIONS WITHOUT ADDITIONAL COST TO OWNER, AFTER OBTAINING APPROVAL OF ARCHITECT.
 - C. PROVIDE MAXIMUM PRACTICAL SPACE FOR OPERATION, REPAIR, REMOVAL, AND TESTING OF ELECTRICAL EQUIPMENT. DEVIATIONS MAY BE MADE TO PROVIDE REQUIRED ACCESSIBILITY PROVIDED THEY ARE APPROVED BY THE OWNERS OR THE ARCHITECTS.
 - D. KEEP CONDUITS, WIRE WAYS AND SIMILAR ITEMS AS CLOSE AS POSSIBLE TO CEILING, WALLS AND COLUMNS IN ORDER TO TAKE UP MINIMUM AMOUNT OF SPACE. ALL WORK TO BE IN STALLED IN A NEAT AND WORK MAN LIKE MANNER.
 - E. PROVIDE OFFSETS, FITTINGS AND SIMILAR ITEMS NECESSARY TO ACCOMPLISH REQUIREMENTS OF COORDINATION WITHOUT ADDITIONAL EXPENSE TO OWNER.
 - F. PROVIDE ACCESS TO AND CLEARANCES AROUND ELECTRICAL EQUIPMENT AS REQUIRED BY THE N.E.C.

DEPENDING ON BRANCH CIRCUIT RUN LENGTH FROM PANELBOARD TO THE LAST DEVICE ON THE BRANCH CIRCUIT, THE CONTRACTOR SHALL INCREASE THE BRANCH CIRCUIT WIRE SIZE AS PER THE TABLE BELOW.

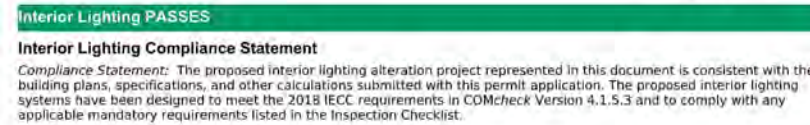
LENGTH (FEET)	VOLTAGE (V)	AMPACITY (A)	WIRE SIZE (AWG TYP.)
0-66	120	20	#12
0-102	120	20	#10

1. GENERAL:
 - A. BEFORE SUBMITTING THEIR BID, THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE TO VERIFY THE EXISTING CONDITIONS AND SCOPE OF WORK AREA. NO CONSIDERATION OR ALLOWANCE WILL BE GRANTED FOR FAILURE TO VISIT THE SITE, NOR FOR ANY ALLEGED MISUNDERSTANDING OF WORK TO BE PERFORMED. THE CONTRACTOR SHALL INCLUDE IN HIS BID PRICE ALL LABOR AND MATERIAL THAT MAY AFFECT HIS WORK.
 - B. THE GENERAL EXTENT OF EXISTING ELECTRICAL WORK TO BE DISMANTLED AND REMOVED OR RELOCATED IS INDICATED ON THE DRAWINGS.
 - C. ALL COMPONENTS ASSOCIATED WITH SYSTEMS AND EQUIPMENT TO BE REMOVED OR RELOCATED MAY NOT BE SPECIFICALLY INDICATED. REMOVE ALL ASSOCIATED ELECTRICAL ACCESSORIES AND COMPONENTS INCLUDING BUT NOT LIMITED TO HANGERS, WIRING, CONDUIT, BOXES AND ALL ADDITIONAL MISCELLANEOUS ITEMS RELATED TO THE EXISTING EQUIPMENT INDICATED TO BE REMOVED OR RELOCATED. REMOVE ALL ASSOCIATED WIRING AND CONDUIT BACK TO THE SOURCE OF SUPPLY IN EXISTING CIRCUITS WHICH ARE TO BE DEMOLISHED. UNLESS SPECIFICALLY INDICATED, NO EQUIPMENT, MATERIALS OR ASSOCIATED COMPONENTS SHALL BE ABANDONED IN PLACE.
 - D. ABANDON ALL CONDUITS CONCEALED IN CONCRETE WALLS OR SLABS. REMOVE ALL WIRING FROM ABANDONED CONDUITS BACK TO SOURCE OF SUPPLY.
2. DISPOSAL OF DEMOLITION:
 - A. CONTRACTOR SHALL CLEAN THE PROJECT SITE AT THE END OF EACH WORKING DAY. NOTIFY THE BUILDING OWNER PRIOR TO DISPOSAL OF DEMOLISHED MATERIALS TO ALLOW SALVAGE OF ANY USABLE MATERIALS. AFTER INSPECTION FROM THE OWNER'S REPRESENTATIVE, ALL UNUSED MATERIALS SHALL BE REMOVED FROM THE JOB SITE WITH DISPOSAL IN ACCORDANCE WITH APPLICABLE SPECIFICATIONS AND REGULATIONS.
3. PROTECTION:
 - A. PROTECT FROM DAMAGE ALL EXISTING EQUIPMENT, DEVICES AND MATERIALS TO REMAIN. ANY EXISTING MATERIALS AND EQUIPMENT DAMAGED DURING THE COURSE OF THE CONSTRUCTION PROCESS SHALL BE REPLACED WITH MATERIALS AND EQUIPMENT CONFORMING TO EXISTING SPECIFICATIONS AT NO ADDITIONAL COST TO THE OWNER.
4. TERMINATION AND PATCHING:
 - A. DISCONNECT EXISTING EQUIPMENT AND DEVICES WITH ASSOCIATED ACCESSORIES, CONDUIT AND WIRING BACK TO SOURCE OF SUPPLY.
 - B. WHERE EXISTING FLOORS, WALLS AND ROOFS MUST BE CUT OR ARE DAMAGED DURING THE CONSTRUCTION PROCESS, PATCH THE CUT OR DAMAGED AREAS TO MATCH THE ADJACENT CONSTRUCTION.
 - C. THE CONTINUITY OF ALL EXISTING CONDUITS AND FEEDERS SERVICING AREAS AND EQUIPMENT TO REMAIN SHALL BE MAINTAINED. MODIFY THE EXISTING CIRCUITS IF REQUIRED IN ORDER TO MAINTAIN THE EXISTING CIRCUITRY.
5. ALL EXISTING LED FIXTURES SHOULD BE SALVAGED AND RETURNED TO THE COLLEGE.

FATC

CEILING/WALL MOUNTED FIRE ALARM VISUAL DEVICE (STROBE), ADA COMPLIANT NUMBER
DENOTES CANDELA INTENSITY RATING, MINIMUM 15cd, MOUNTING HEIGHT FROM 80" UP TO
A MAXIMUM OF 96" AFF

FIRE ALARM TERMINAL CABINET



MICRO INVERTERS FOR THE EMERGENCY LIGHTS

W	WATTS
WP	WEATHERPROOF

Date	01-16-2020
Project No.	1944
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CHK By	
Scale	AS NOTED

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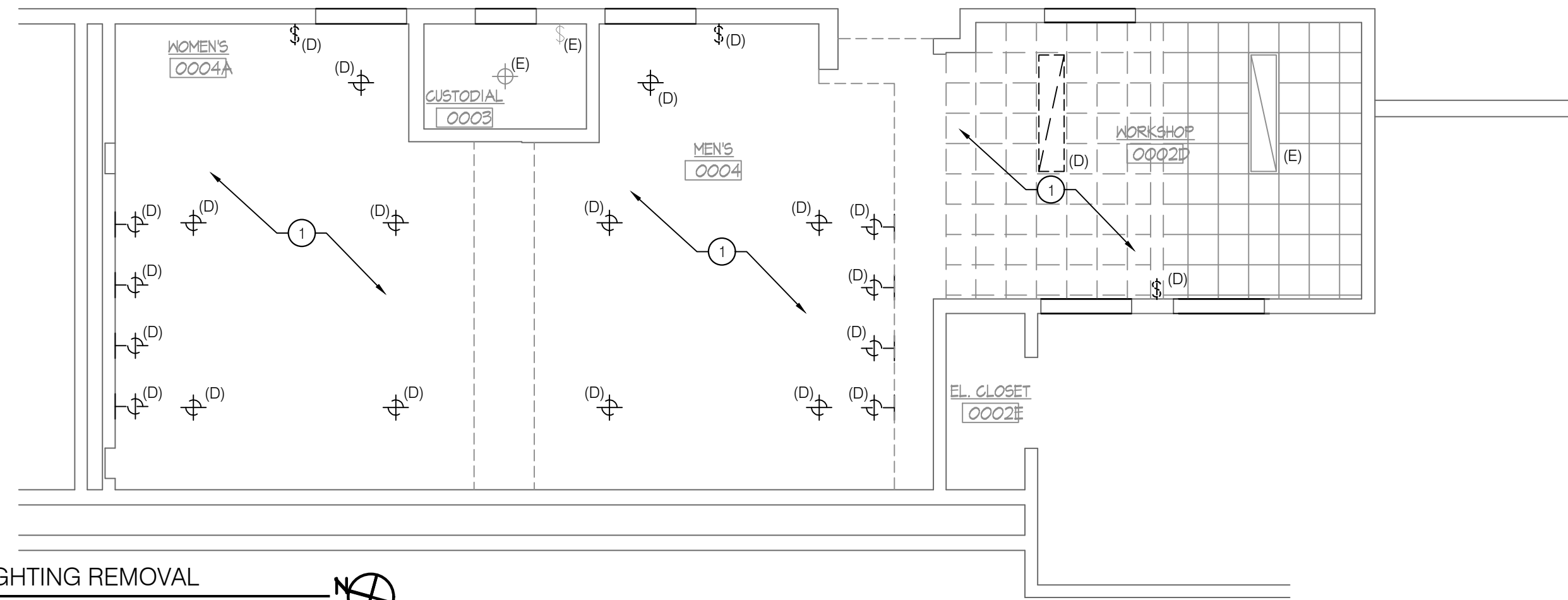
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GENERAL NOTES, SYMBOLS & ABBREVIATIONS

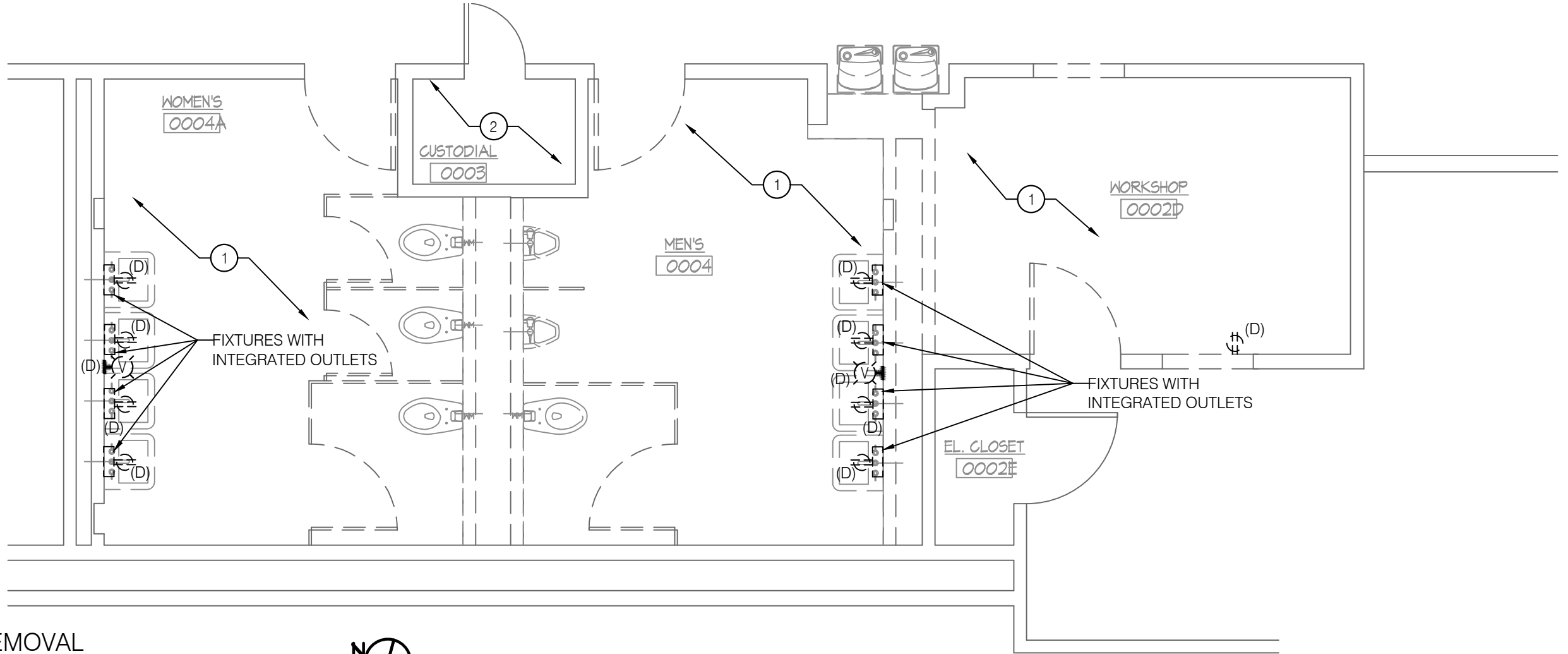
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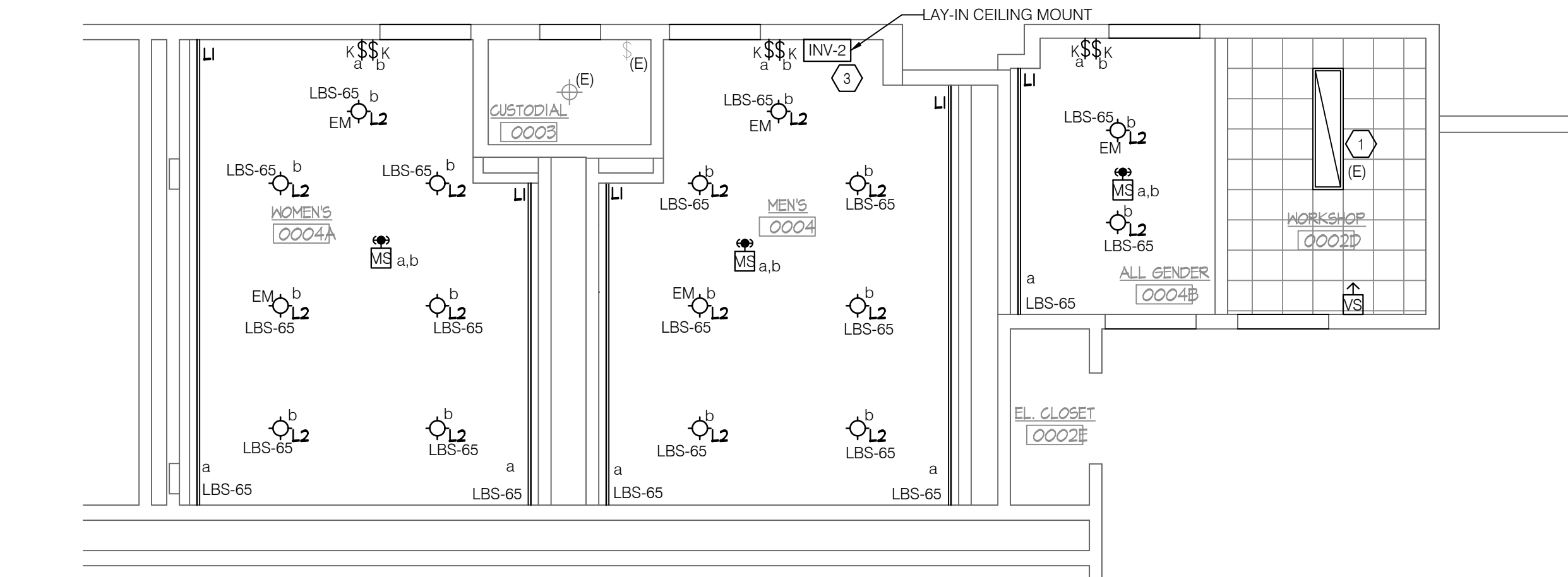
4 BASEMENT LEVEL PLAN - ELECTRICAL LIGHTING REMOVAL
E-101.00 SCALE: 1/4" = 1'-0"



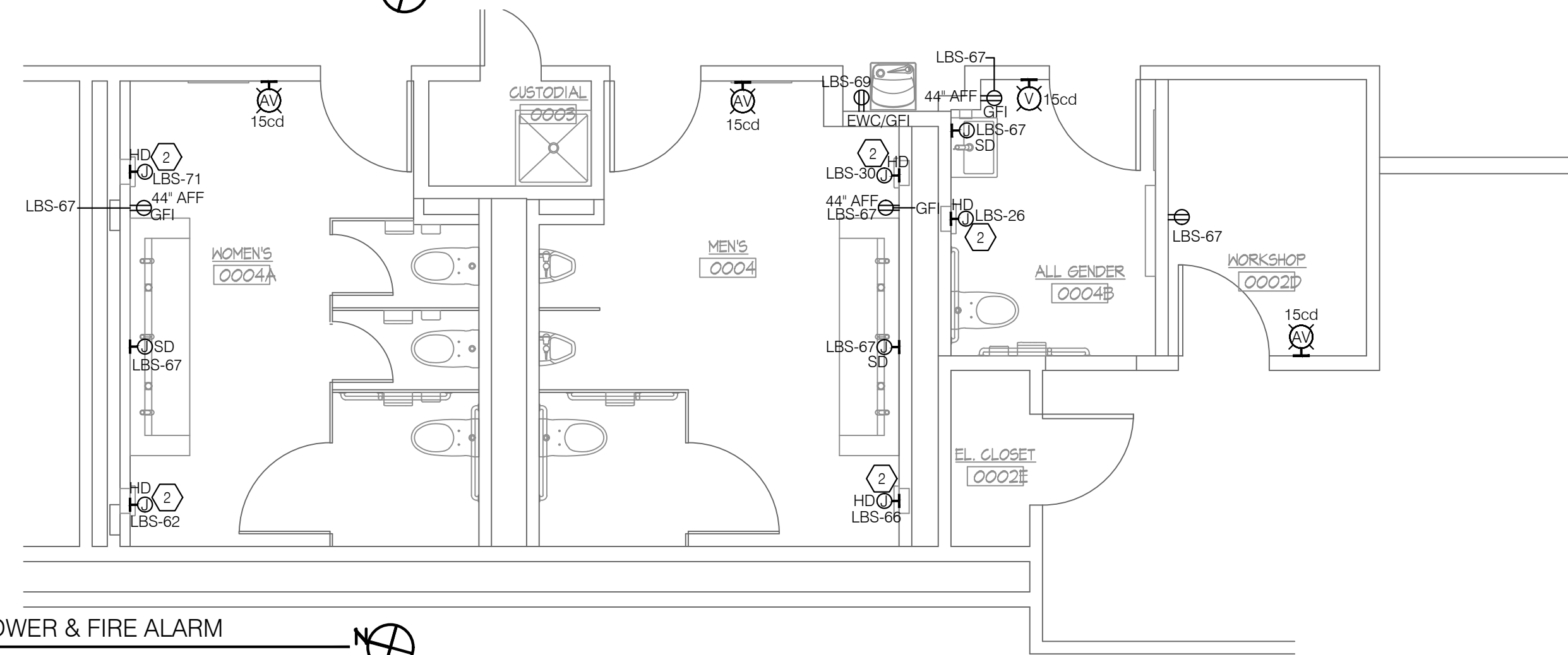
3 BASEMENT LEVEL PLAN - ELECTRICAL REMOVAL
E-101.00 SCALE: 1/4" = 1'-0"



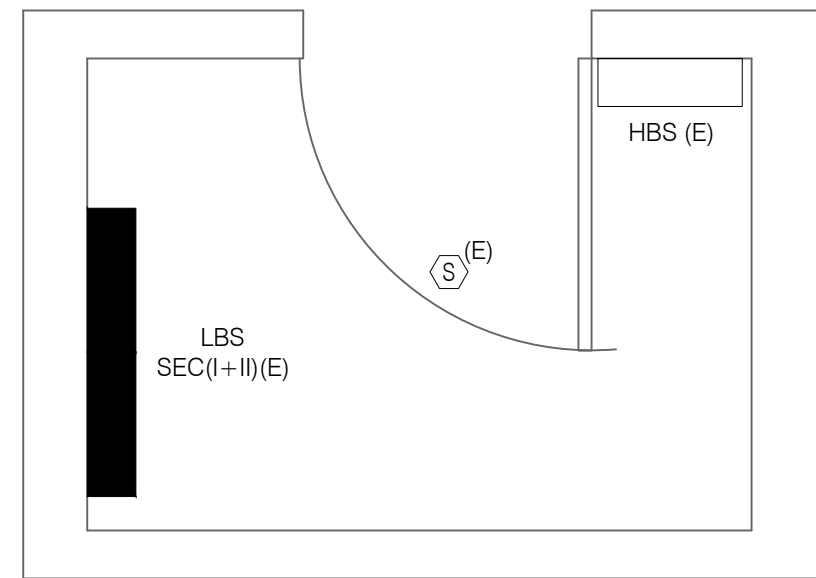
2 BASEMENT LEVEL PLAN - ELECTRICAL LIGHTING
E-101.00 SCALE: 1/4" = 1'-0"



1 BASEMENT LEVEL PLAN - ELECTRICAL POWER & FIRE ALARM
E-101.00 SCALE: 1/4" = 1'-0"



5 ENLARGED PLAN - ELECTRICAL CLOSET
E-101.00 SCALE: 1/2" = 1'-0"



GENERAL NOTES

1. REFER TO THE ELECTRICAL COVER SHEET DRAWING FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS.
2. UNLESS OTHERWISE NOTED, DEMOLISH ALL EXISTING ELECTRICAL AND FIRE ALARM DEVICES AND EQUIPMENT SHOWN OR NOT SHOWN ON PLANS AT DEMOLISHED WALL, CEILING AND FLOOR SECTIONS THROUGHOUT THE AREA OF WORK. ABANDON CONCEALED EXISTING CONDUITS INSTALLED IN CONCRETE WALLS OR SLABS.
3. FOR ALL DEMOLISHED EQUIPMENT AND DEVICES, REMOVE ALL ASSOCIATED ACCESSORIES, BRANCH CIRCUIT WIRING AND CONDUIT BACK TO SOURCE OF SUPPLY.
4. REFER TO ARCHITECTURAL DRAWINGS TO VERIFY THE ELEVATIONS, DETAILS, LOCATION, MOUNTING HEIGHTS AND ADDITIONAL INFORMATION PRIOR TO THE ROUGH-IN OF ELECTRICAL OUTLETS, DEVICES AND FIRE ALARM DEVICE INSTALLATION LOCATIONS.
5. COORDINATE WITH CONTRACT DOCUMENTS FOR ALL OTHER DISCIPLINES AND TRADES FOR EXACT LOCATION OF ASSOCIATED EQUIPMENT.
6. THE CONTINUITY OF EXISTING CIRCUITS SERVING EXISTING DEVICES AND EQUIPMENT, EXISTING FIRE ALARM INITIATING DEVICE, NOTIFICATION APPLIANCE, SIGNALING LINE CIRCUITS AND FIXTURES TO REMAIN SHALL BE MAINTAINED.
7. ALL NEW OUTLETS, DEVICES AND FIRE ALARM DEVICES MUST BE FLUSH MOUNTED WITH CONCEALED CONDUITS. ANY SURFACE MOUNTED OUTLETS, DEVICES AND CONDUITS IN THE SCOPE OF WORK AREA MUST BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION.
8. ALL REUSED CIRCUIT NUMBERS INDICATED ON PLAN ARE BASED ON EXISTING DOCUMENTS AND MAY NOT MATCH THE AS-BUILT CONDITION OF THE EXISTING CIRCUITS SERVING THE AREA. CONTRACTOR TO VERIFY AND UPDATE THE CIRCUIT NUMBERS UTILIZED DURING CONSTRUCTION.
9. ALL NEW FIRE ALARM DEVICES MUST BE COMPATIBLE WITH AND CONNECTED TO THE EXISTING FIRE ALARM SYSTEM, ZONED BY FLOOR. EXTEND EXISTING WIRING AND CONDUIT FOR RELOCATED DEVICES TO NEW LOCATIONS AS REQUIRED.
10. WHERE MORE THAN TWO VISUAL (STROBE) NOTIFICATION APPLIANCES ARE IN THE FIELD OF VIEW, THEY SHALL FLASH IN SYNCHRONIZATION. PROVIDE EXTERNAL SYNC MODULE OR SYNC PROTOCOL BUILT IN TO THE FIRE ALARM CONTROL PANEL.
11. LOCATION OF FIXTURES AND DEVICES SHOWN ON PLANS ARE DIAGRAMMATIC ONLY. REFER TO ARCHITECTURAL DRAWINGS TO VERIFY THE ELEVATIONS, DETAILS, LOCATION, MOUNTING HEIGHTS AND ADDITIONAL INFORMATION PRIOR TO THE ROUGH-IN OF ELECTRICAL FIXTURES AND DEVICES.
12. AT THE COMPLETION OF CONSTRUCTION, CLEAN LENSES AND REFLECTORS OF ALL LIGHTING FIXTURES IN THE CONTRACT AREA AND RENDER THEM FREE OF ANY MATERIAL, SUBSTANCE OR FILM FOREIGN TO THE FIXTURES. BLEMISHED, DAMAGED OR UNSATISFACTORY FIXTURES ARE TO BE REPLACED IN A SATISFACTORY MANNER.
13. ALL EMERGENCY LIGHTS AND EXIT SIGNS TO BE PROVIDED WITH INTEGRAL OR REMOTE EMERGENCY BATTERY PACK.
14. CLEAN, RE-LAMP AND RE-BALLAST ALL EXISTING TO REMAIN AND RELOCATED LIGHTING FIXTURES IN THE CONTRACT AREA AS REQUIRED. CONTRACTOR TO ENSURE THAT ALL REUSED FIXTURES ARE IN WORKING CONDITION. ALL EXISTING DEVICES TO REMAIN ARE TO BE PROTECTED FROM DAMAGE THROUGHOUT THE CONSTRUCTION PROCESS.
15. UNLESS OTHERWISE NOTED, IN THE SCOPE OF WORK AREA, ALL ELECTRICAL OUTLETS, DEVICES, FIRE ALARM DEVICES, LIGHT FIXTURES AND CONTROL DEVICES SHOWN WITH A SUBSCRIPT "N" OR WITHOUT ANY SUBSCRIPT ARE NEW TO BE PROVIDED. DEVICES SHOWN WITH A SUBSCRIPT "E" INDICATE EXISTING EQUIPMENT TO REMAIN. DEVICES SHOWN WITH A SUBSCRIPT "D" AND DASHED LINE INDICATE EXISTING EQUIPMENT TO DEMOLISHED.

DEMOLITION KEY NOTES

1. UNLESS OTHERWISE NOTED, ALL ELECTRICAL DEVICES, CONDUITS, WIRING/BOXES, LIGHTING FIXTURE, SWITCHING SCHEME INCLUDING ALL TELEPHONE/DATA, RECEPTACLES (WALL/CEILING/FLOOR) SERVING THIS AREA ARE TO BE DEMOLISHED. MAINTAIN EXISTING CIRCUIT WIRING FROM LIGHTING FIXTURES FOR REUSE. ALL OTHER WIRING DEVICES, CONDUIT, AND FEEDERS SHALL BE REMOVED BACK TO SOURCE.
2. UNLESS AND OTHERWISE NOTED, ALL EXISTING ELECTRICAL AND FIRE ALARM DEVICES IN THIS AREA ARE EXISTING TO REMAIN.

SHEET KEY NOTES

1. REWIRE CIRCUITING TO ACCOMMODATE THE NEW LIGHTING CONTROL LAYOUT.
2. PROVIDE AUTOMATIC THERMAL-OVERLOAD SWITCH FOR DISCONNECTING MEANS.
3. PROVIDE INVERTER FOR EMERGENCY LIGHT FIXTURES IN THIS FLOOR WITH 50W POWER REQUIREMENT FOR 1.5 HOUR. INVERTERS SHALL BE PROVIDED WITH TEST AND LED-CHARGE INDICATORS. MANUFACTURER BASIS OF DESIGN: MYERS EMERGENCY POWER SYSTEMS.

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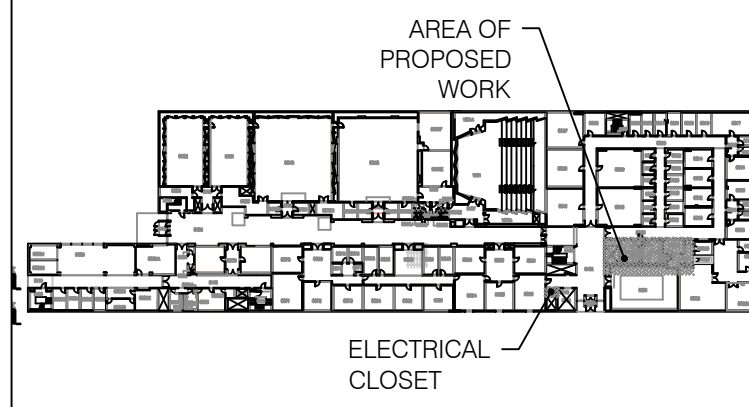
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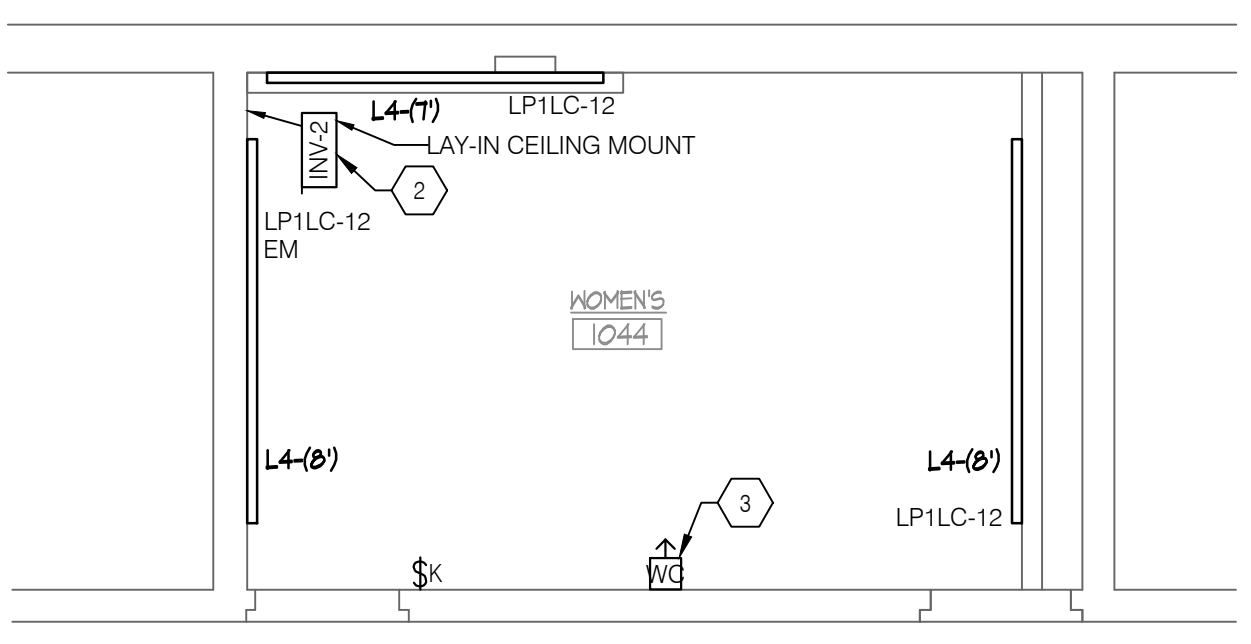
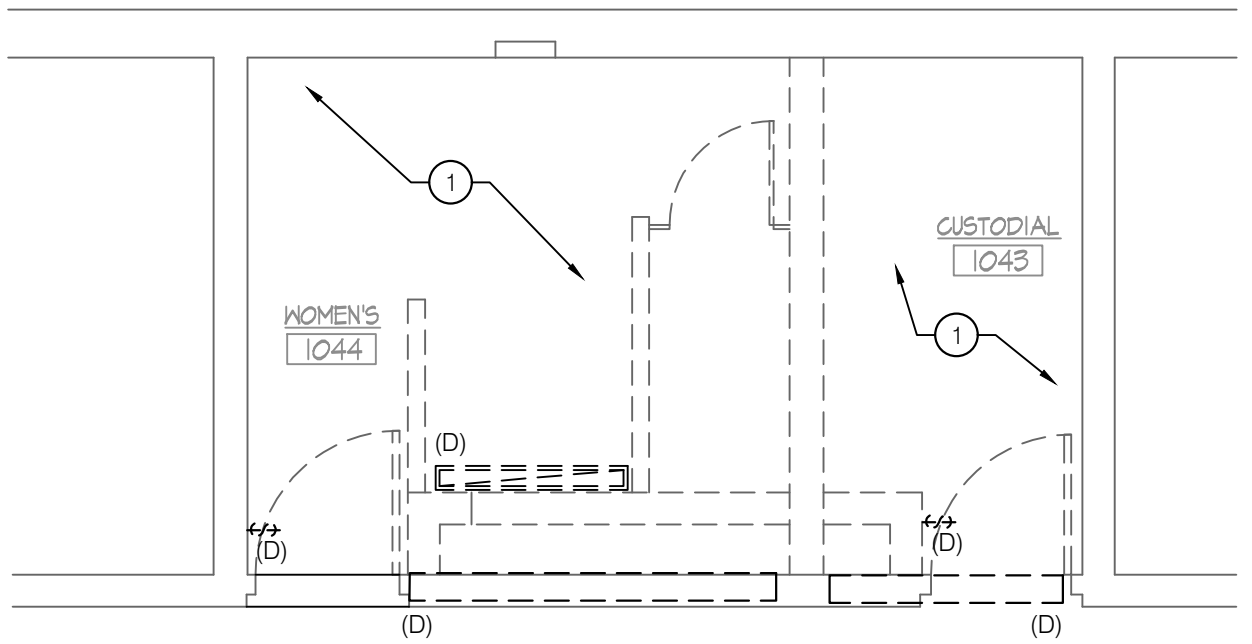
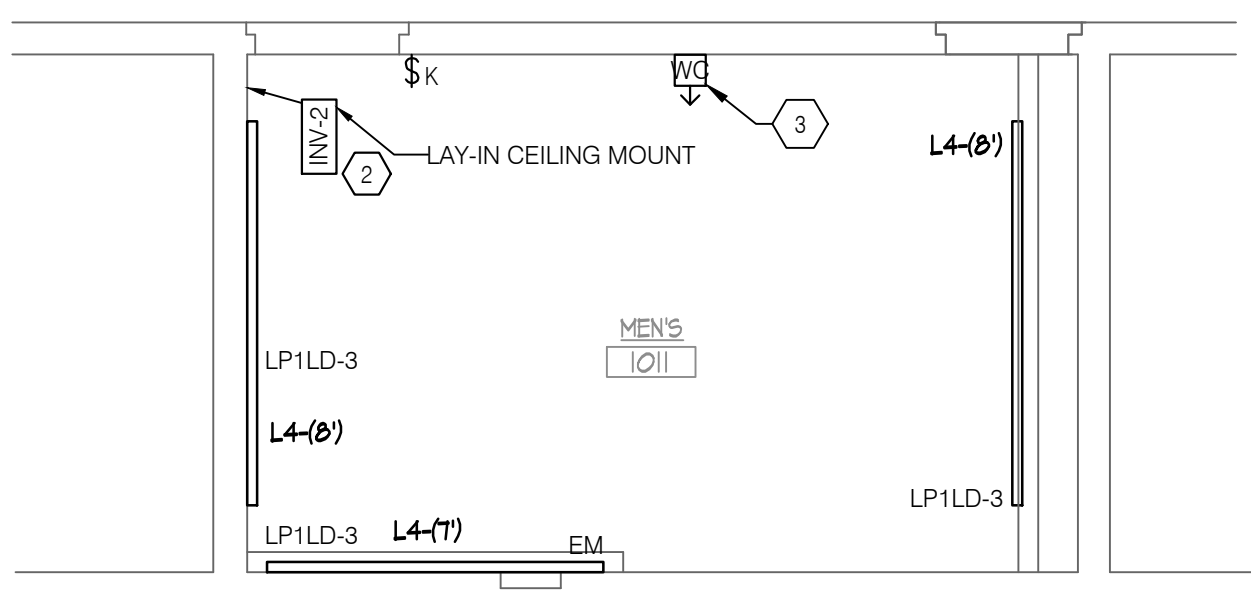
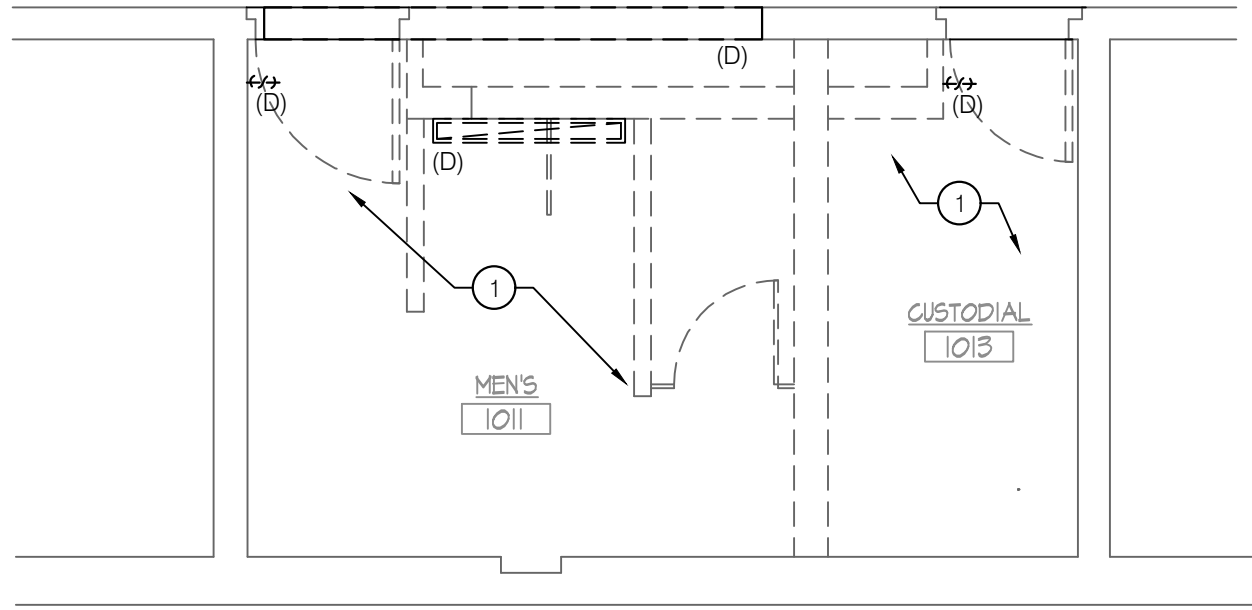
KEY PLAN



MUSICAL INSTRUCTIONAL FACILITIES - ELECTRICAL PLANS

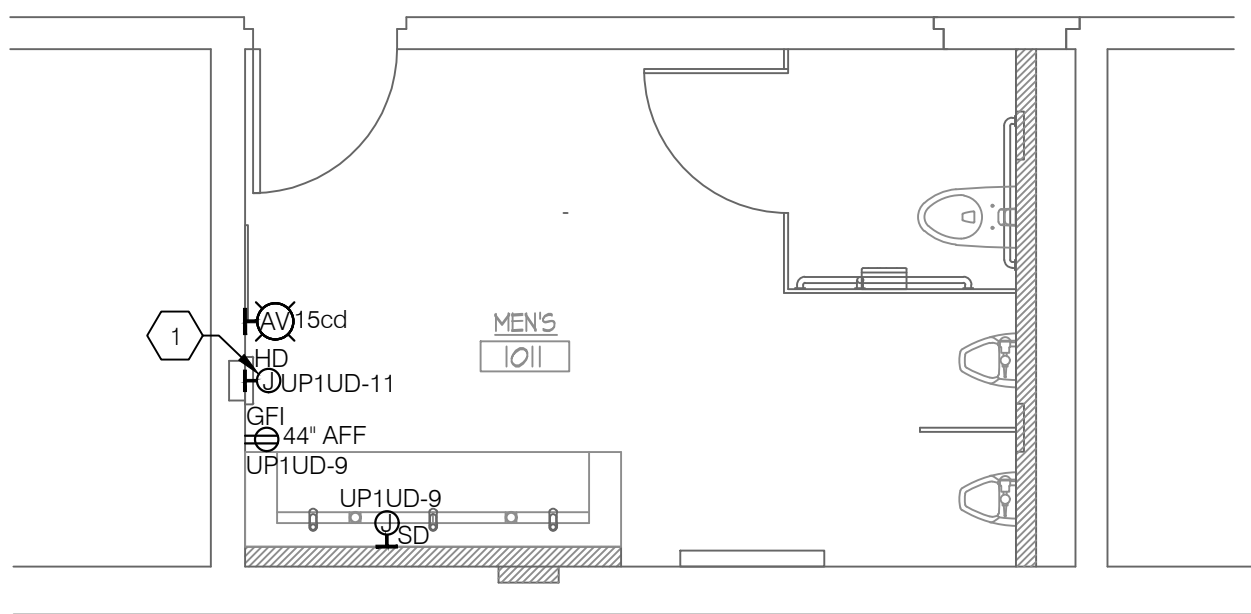
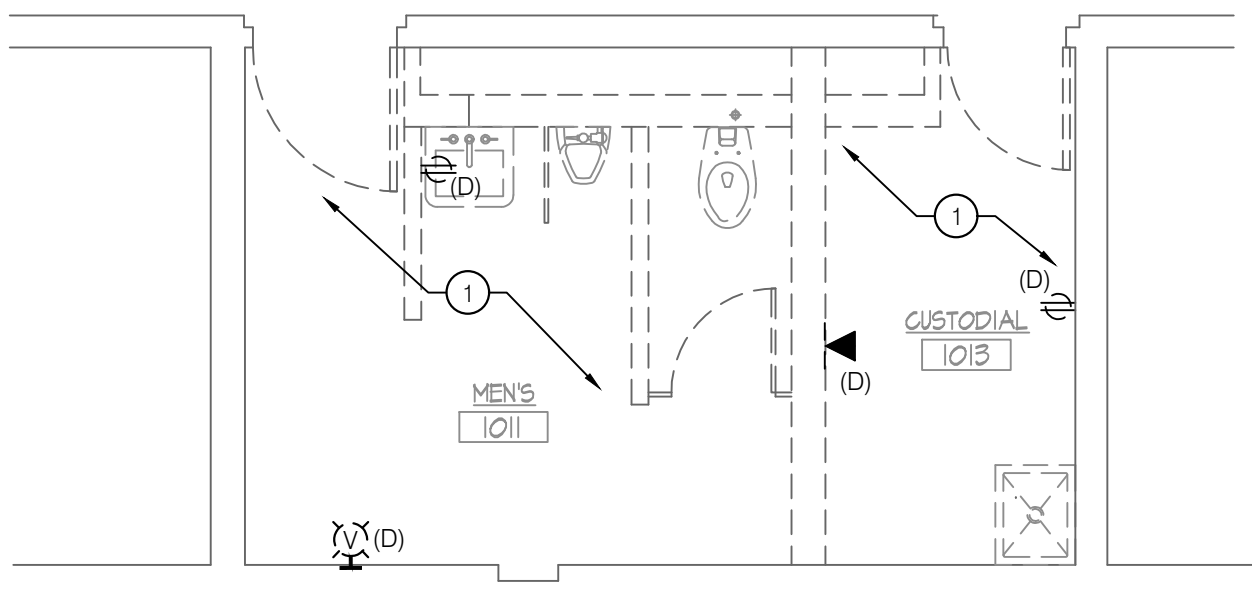
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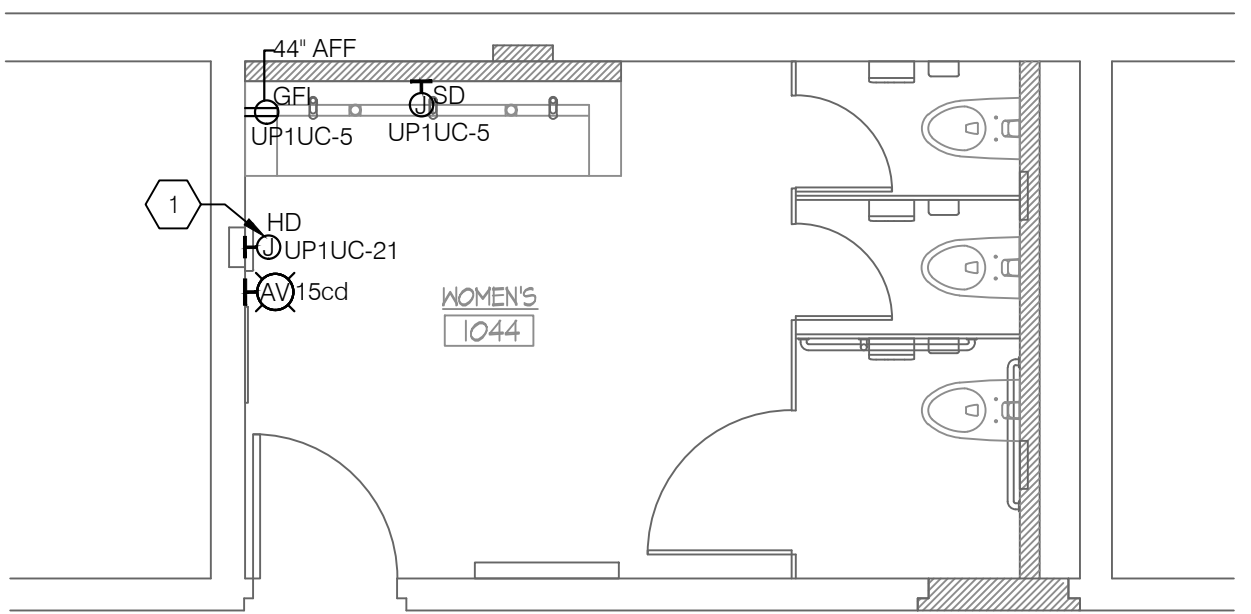
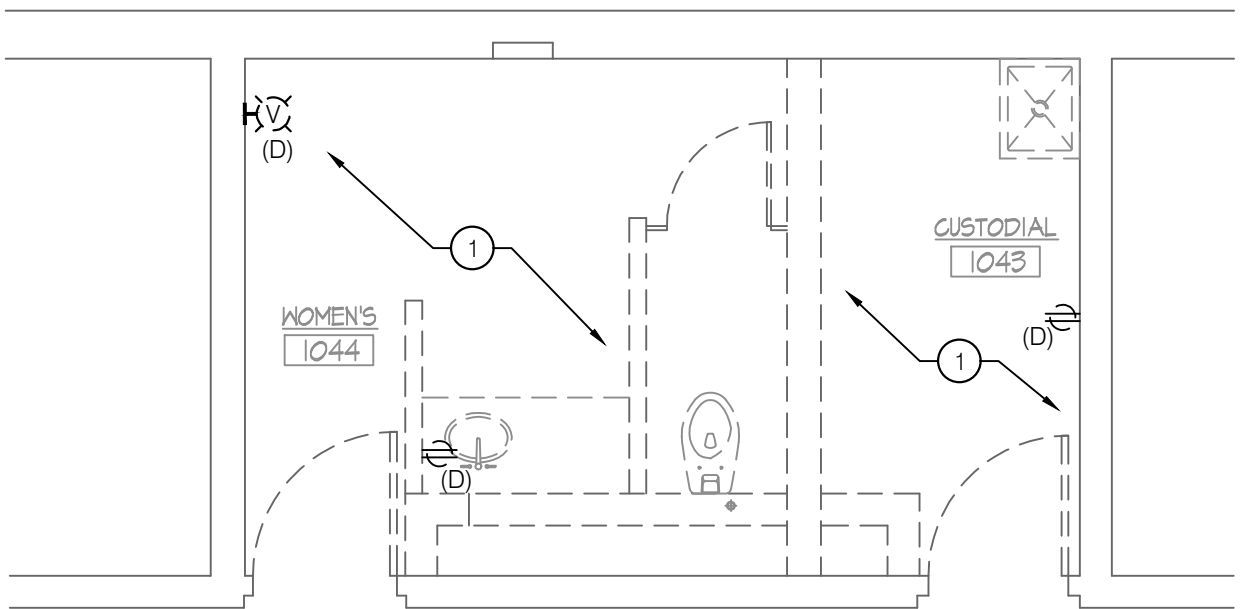


4 FIRST FLOOR PLAN - ELECTRICAL LIGHTING REMOVALS
SCALE: 1/4" = 1'-0"

3 FIRST FLOOR PLAN - ELECTRICAL LIGHTING
SCALE: 1/4" = 1'-0"



5 ENLARGED PLAN - MEN'S ROOM ELECTRIC ROOM
SCALE: 1/2" = 1'-0"



2 FIRST FLOOR PLAN - ELECTRICAL REMOVALS
SCALE: 1/4" = 1'-0"

1 FIRST FLOOR PLAN - ELECTRICAL POWER & FIRE ALARM
SCALE: 1/4" = 1'-0"

6 ENLARGED PLAN - WOMEN'S ROOM ELECTRIC ROOM
SCALE: 1/2" = 1'-0"

GENERAL NOTES

- REFER TO THE ELECTRICAL COVER SHEET DRAWING FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS.
- UNLESS OTHERWISE NOTED, DEMOLISH ALL EXISTING ELECTRICAL AND FIRE ALARM DEVICES AND EQUIPMENT SHOWN OR NOT SHOWN ON PLANS AT DEMOLISHED WALL, CEILING AND FLOOR SECTIONS THROUGHOUT THE AREA OF WORK. ABANDON CONCEALED EXISTING CONDUITS INSTALLED IN CONCRETE WALLS OR SLABS.
- FOR ALL DEMOLISHED EQUIPMENT AND DEVICES, REMOVE ALL ASSOCIATED ACCESSORIES, BRANCH CIRCUIT WIRING AND CONDUIT BACK TO SOURCE OF SUPPLY.
- REFER TO ARCHITECTURAL DRAWINGS TO VERIFY THE ELEVATIONS, DETAILS, LOCATION, MOUNTING HEIGHTS AND ADDITIONAL INFORMATION PRIOR TO THE ROUGH-IN OF ELECTRICAL OUTLETS, DEVICES AND FIRE ALARM DEVICE INSTALLATION LOCATIONS.
- COORDINATE WITH CONTRACT DOCUMENTS FOR ALL OTHER DISCIPLINES AND TRADES FOR EXACT LOCATION OF ASSOCIATED EQUIPMENT.
- THE CONTINUITY OF EXISTING CIRCUITS SERVING EXISTING DEVICES AND EQUIPMENT, EXISTING FIRE ALARM INITIATING DEVICE, NOTIFICATION APPLIANCE, SIGNALING LINE CIRCUITS AND FIXTURES TO REMAIN SHALL BE MAINTAINED.
- ALL NEW OUTLETS, DEVICES AND FIRE ALARM DEVICES MUST BE FLUSH MOUNTED WITH CONCEALED CONDUITS. ANY SURFACE MOUNTED OUTLETS, DEVICES AND CONDUITS IN THE SCOPE OF WORK AREA MUST BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION.
- ALL REUSED CIRCUIT NUMBERS INDICATED ON PLAN ARE BASED ON EXISTING DOCUMENTS AND MAY NOT MATCH THE AS-BUILT CONDITION OF THE EXISTING CIRCUITS SERVING THE AREA. CONTRACTOR TO VERIFY AND UPDATE THE CIRCUIT NUMBERS UTILIZED DURING CONSTRUCTION.
- ALL NEW FIRE ALARM DEVICES MUST BE COMPATIBLE WITH AND CONNECTED TO THE EXISTING FIRE ALARM SYSTEM, ZONED BY FLOOR. EXTEND EXISTING WIRING AND CONDUIT FOR RELOCATED DEVICES TO NEW LOCATIONS AS REQUIRED.
- WHERE MORE THAN TWO VISUAL (STROBE) NOTIFICATION APPLIANCES ARE IN THE FIELD OF VIEW, THEY SHALL FLASH IN SYNCHRONIZATION. PROVIDE EXTERNAL SYNC MODULE OR SYNC PROTOCOL BUILT IN TO THE FIRE ALARM CONTROL PANEL.
- LOCATION OF FIXTURES AND DEVICES SHOWN ON PLANS ARE DIAGRAMMATIC ONLY. REFER TO ARCHITECTURAL DRAWINGS TO VERIFY THE ELEVATIONS, DETAILS, LOCATION, MOUNTING HEIGHTS AND ADDITIONAL INFORMATION PRIOR TO THE ROUGH-IN OF ELECTRICAL FIXTURES AND DEVICES.
- AT THE COMPLETION OF CONSTRUCTION, CLEAN LENSES AND REFLECTORS OF ALL LIGHTING FIXTURES IN THE CONTRACT AREA AND RENDER THEM FREE OF ANY MATERIAL, SUBSTANCE OR FILM FOREIGN TO THE FIXTURES. BLEMISHED, DAMAGED OR UNSATISFACTORY FIXTURES ARE TO BE REPLACED IN A SATISFACTORY MANNER.
- ALL EMERGENCY LIGHTS AND EXIT SIGNS TO BE PROVIDED WITH INTEGRAL OR REMOTE EMERGENCY BATTERY PACK.
- CLEAN, RE-LAMP AND RE-BALLAST ALL EXISTING TO REMAIN AND RELOCATED LIGHTING FIXTURES IN THE CONTRACT AREA AS REQUIRED. CONTRACTOR TO ENSURE THAT ALL REUSED FIXTURES ARE IN WORKING CONDITION. ALL EXISTING DEVICES TO REMAIN ARE TO BE PROTECTED FROM DAMAGE THROUGHOUT THE CONSTRUCTION PROCESS.
- UNLESS OTHERWISE NOTED, IN THE SCOPE OF WORK AREA, ALL ELECTRICAL OUTLETS, DEVICES, FIRE ALARM DEVICES, LIGHT FIXTURES AND CONTROL DEVICES SHOWN WITH A SUBSCRIPT "N" OR WITHOUT ANY SUBSCRIPT ARE NEW TO BE PROVIDED. DEVICES SHOWN WITH A SUBSCRIPT "E" INDICATE EXISTING EQUIPMENT TO REMAIN. DEVICES SHOWN WITH A SUBSCRIPT "D" AND DASHED LINE INDICATE EXISTING EQUIPMENT TO DEMOLISHED.

DEMOLITION KEY NOTES

- UNLESS OTHERWISE NOTED, ALL ELECTRICAL DEVICES, CONDUITS, WIRINGS/BOXES, LIGHTING FIXTURE, SWITCHING SCHEME INCLUDING ALL TELEPHONE/DATA, RECEPTACLES (WALL/CEILING/FLOOR) SERVING THIS AREA ARE TO BE DEMOLISHED. MAINTAIN EXISTING CIRCUIT WIRING FROM LIGHTING FIXTURES FOR REUSE. ALL OTHER WIRING DEVICES, CONDUIT, AND FEEDERS SHALL BE REMOVED BACK TO SOURCE.

SHEET KEY NOTES

- PROVIDE AUTOMATIC THERMAL-OVERLOAD SWITCH FOR DISCONNECTING MEANS.
- PROVIDE INVERTER FOR EMERGENCY LIGHT FIXTURES IN THIS ROOM WITH 50W POWER REQUIREMENT FOR 1.5 HOUR. INVERTERS SHALL BE PROVIDED WITH TEST AND LED-CHARGE INDICATORS. MANUFACTURER BASIS OF DESIGN: MYERS EMERGENCY POWER SYSTEMS.
- ARCHITECT TO CONFIRM MOUNTING HEIGHT OF OCCUPANCY SENSOR. OCCUPANCY SENSOR TO BE MOUNTED AT A ELEVATION HIGHER THAN THE STALL DOORS.

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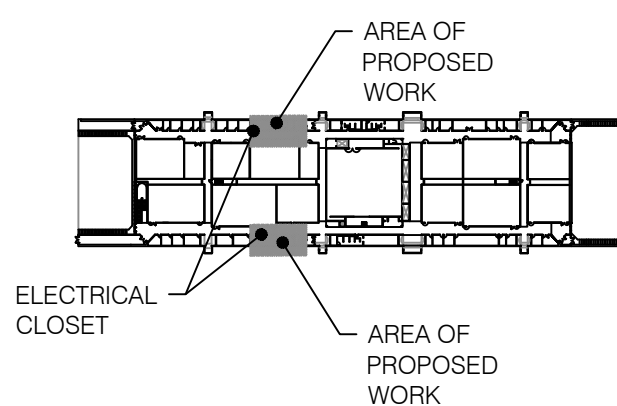
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KEY PLAN



Title DANCE INSTRUCTIONAL FACILITIES - ELECTRICAL PLANS

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GENERAL NOTES

1. REFER TO THE ELECTRICAL COVER SHEET DRAWING FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS.
2. UNLESS OTHERWISE NOTED, DEMOLISH ALL EXISTING ELECTRICAL AND FIRE ALARM DEVICES AND EQUIPMENT SHOWN OR NOT SHOWN ON PLANS AT DEMOLISHED WALL, CEILING AND FLOOR SECTIONS THROUGHOUT THE AREA OF WORK. ABANDON CONCEALED EXISTING CONDUITS INSTALLED IN CONCRETE WALLS OR SLABS.
3. FOR ALL DEMOLISHED EQUIPMENT AND DEVICES, REMOVE ALL ASSOCIATED ACCESSORIES, BRANCH CIRCUIT WIRING AND CONDUIT BACK TO SOURCE OF SUPPLY.
4. REFER TO ARCHITECTURAL DRAWINGS TO VERIFY THE ELEVATIONS, DETAILS, LOCATION, MOUNTING HEIGHTS AND ADDITIONAL INFORMATION PRIOR TO THE ROUGH-IN OF ELECTRICAL OUTLETS, DEVICES AND FIRE ALARM DEVICE INSTALLATION LOCATIONS.
5. COORDINATE WITH CONTRACT DOCUMENTS FOR ALL OTHER DISCIPLINES AND TRADES FOR EXACT LOCATION OF ASSOCIATED EQUIPMENT.
6. THE CONTINUITY OF EXISTING CIRCUITS SERVING EXISTING DEVICES AND EQUIPMENT, EXISTING FIRE ALARM INITIATING DEVICE, NOTIFICATION APPLIANCE, SIGNALING LINE CIRCUITS AND FIXTURES TO REMAIN SHALL BE MAINTAINED.
7. ALL NEW OUTLETS, DEVICES AND FIRE ALARM DEVICES MUST BE FLUSH MOUNTED WITH CONCEALED CONDUITS. ANY SURFACE MOUNTED OUTLETS, DEVICES AND CONDUITS IN THE SCOPE OF WORK AREA MUST BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION.
8. ALL REUSED CIRCUIT NUMBERS INDICATED ON PLAN ARE BASED ON EXISTING DOCUMENTS AND MAY NOT MATCH THE AS-BUILT CONDITION OF THE EXISTING CIRCUITS SERVING THE AREA. CONTRACTOR TO VERIFY AND UPDATE THE CIRCUIT NUMBERS UTILIZED DURING CONSTRUCTION.
9. ALL NEW FIRE ALARM DEVICES MUST BE COMPATIBLE WITH AND CONNECTED TO THE EXISTING FIRE ALARM SYSTEM, ZONED BY FLOOR. EXTEND EXISTING WIRING AND CONDUIT FOR RELOCATED DEVICES TO NEW LOCATIONS AS REQUIRED.
10. WHERE MORE THAN TWO VISUAL (STROBE) NOTIFICATION APPLIANCES ARE IN THE FIELD OF VIEW, THEY SHALL FLASH IN SYNCHRONIZATION. PROVIDE EXTERNAL SYNC MODULE OR SYNC PROTOCOL BUILT IN TO THE FIRE ALARM CONTROL PANEL.
11. LOCATION OF FIXTURES AND DEVICES SHOWN ON PLANS ARE DIAGRAMMATIC ONLY. REFER TO ARCHITECTURAL DRAWINGS TO VERIFY THE ELEVATIONS, DETAILS, LOCATION, MOUNTING HEIGHTS AND ADDITIONAL INFORMATION PRIOR TO THE ROUGH-IN OF ELECTRICAL FIXTURES AND DEVICES.
12. AT THE COMPLETION OF CONSTRUCTION, CLEAN LENSES AND REFLECTORS OF ALL LIGHTING FIXTURES IN THE CONTRACT AREA AND RENDER THEM FREE OF ANY MATERIAL, SUBSTANCE OR FILM FOREIGN TO THE FIXTURES. BLEMISHED, DAMAGED OR UNSATISFACTORY FIXTURES ARE TO BE REPLACED IN A SATISFACTORY MANNER.
13. ALL EMERGENCY LIGHTS AND EXIT SIGNS TO BE PROVIDED WITH INTEGRAL OR REMOTE EMERGENCY BATTERY PACK.
14. CLEAN, RE-LAMP AND RE-BALLAST ALL EXISTING TO REMAIN AND RELOCATED LIGHTING FIXTURES IN THE CONTRACT AREA AS REQUIRED. CONTRACTOR TO ENSURE THAT ALL REUSED FIXTURES ARE IN WORKING CONDITION. ALL EXISTING DEVICES TO REMAIN ARE TO BE PROTECTED FROM DAMAGE THROUGHOUT THE CONSTRUCTION PROCESS.
15. UNLESS OTHERWISE NOTED, IN THE SCOPE OF WORK AREA, ALL ELECTRICAL OUTLETS, DEVICES, FIRE ALARM DEVICES, LIGHT FIXTURES AND CONTROL DEVICES SHOWN WITH A SUBSCRIPT "N" OR WITHOUT ANY SUBSCRIPT ARE NEW TO BE PROVIDED. DEVICES SHOWN WITH A SUBSCRIPT "E" INDICATE EXISTING EQUIPMENT TO REMAIN. DEVICES SHOWN WITH A SUBSCRIPT "D" AND DASHED LINE INDICATE EXISTING EQUIPMENT TO DEMOLISHED.

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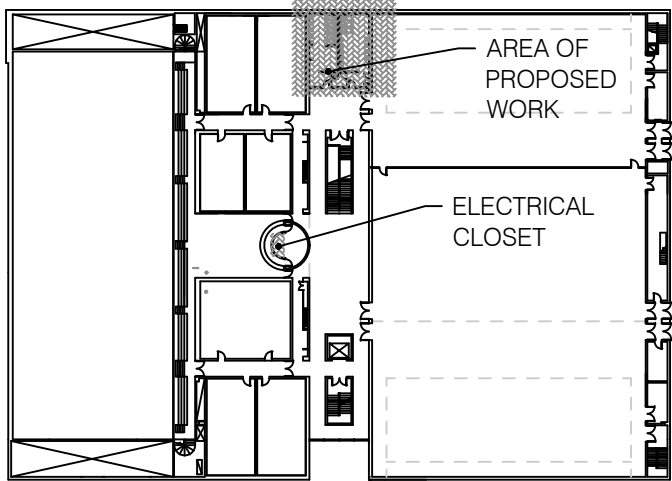
DEMOLITION KEY NOTES

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2. UNLESS OTHERWISE NOTED, ALL EXISTING LIGHT FIXTURES AND CONTROLS IN THIS AREA ARE EXISTING TO REMAIN.
3. UNLESS OTHERWISE NOTED, ALL EXISTING ELECTRICAL AND FIRE ALARM DEVICES IN THIS AREA ARE EXISTING TO REMAIN.

SHEET KEY NOTES

1. PROVIDE AUTOMATIC THERMAL-OVERLOAD SWITCH FOR DISCONNECTING MEANS.
2. PROVIDE INVERTER FOR EMERGENCY LIGHT FIXTURES IN THIS FLOOR WITH 50W POWER REQUIREMENT FOR 1.5 HOUR. INVERTERS SHALL BE PROVIDED WITH TEST AND LED-CHARGE INDICATORS. MANUFACTURER BASIS OF DESIGN: MYERS EMERGENCY POWER SYSTEMS.
3. NEW 120/208V, 1Ø, 3WIRE PANEL 'A' FED VIA 60A, 2 POLE BREAKER FROM EXISTING PANEL BY LOCKER/CLASS ROOM. CONTRACTOR TO RUN 3 #4 AWG + 1 #8 AWG G IN 1".

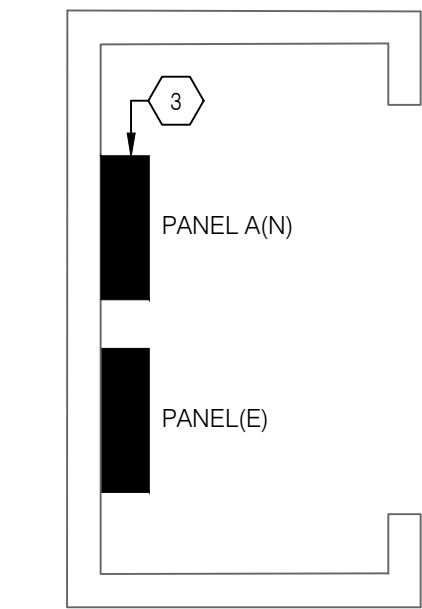
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PHYSICAL EDUCATION -
ELECTRICAL PLANS

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Project No. 1944
Drawing By
CHK By
Scale AS NOTED
DOB Rev

E-103.00



ENLARGED PLAN - ELECTRICAL CLOSET

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

FIRST FLOOR PLAN - ELECTRICAL LIGHTING REMOVALS

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

FIRST FLOOR PLAN - ELECTRICAL LIGHTING

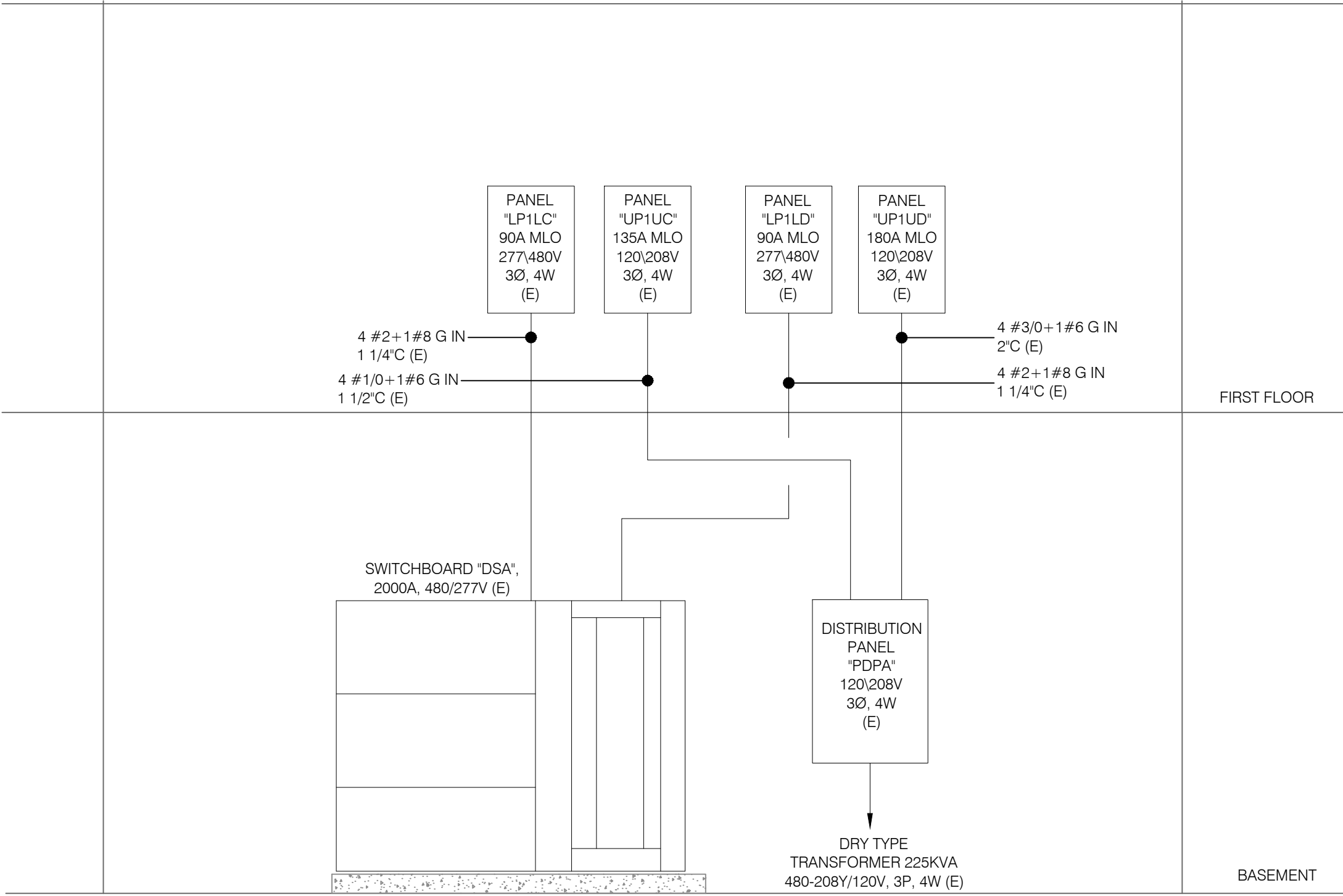
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FIRST FLOOR PLAN - ELECTRICAL REMOVALS

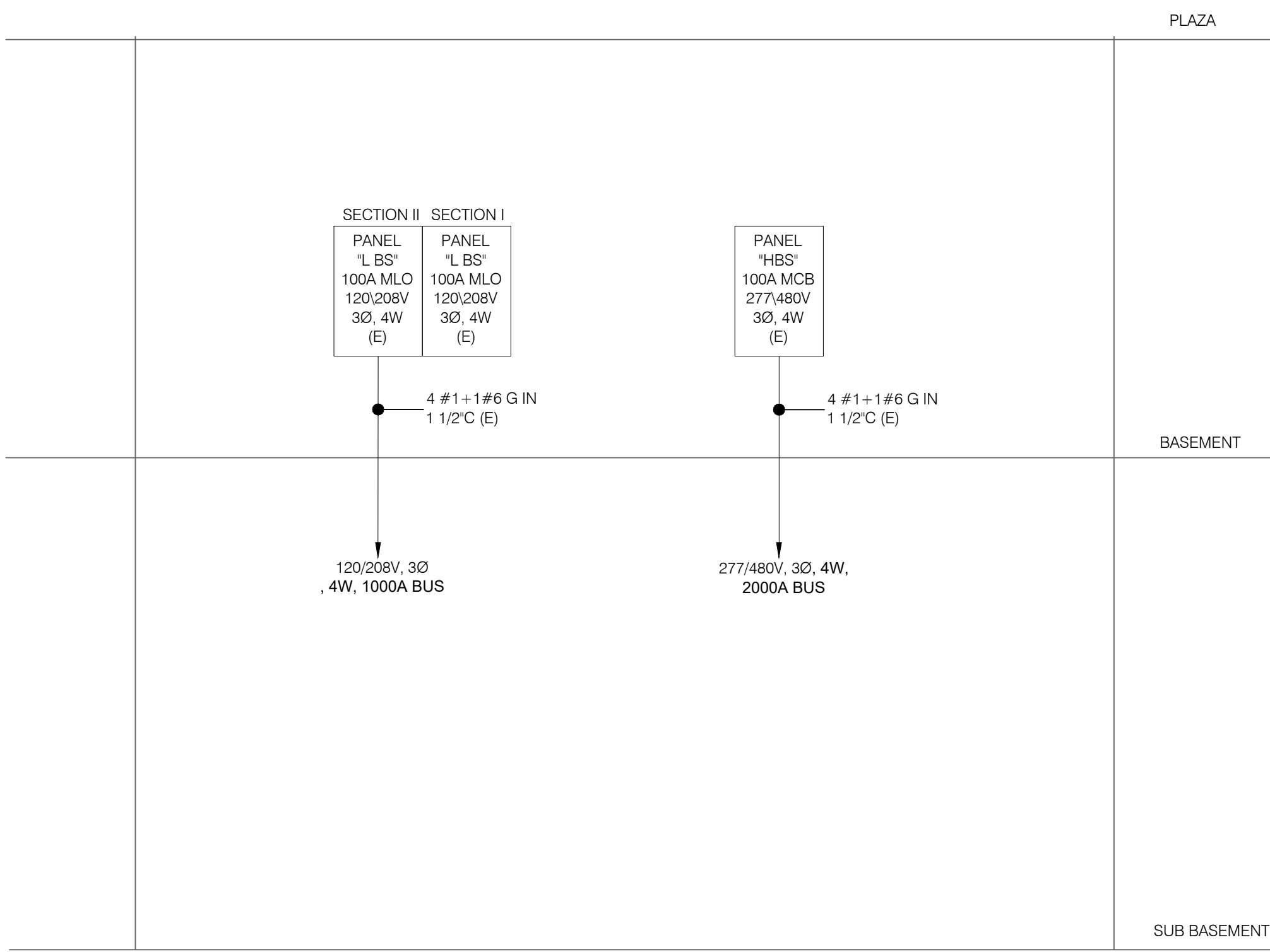
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FIRST FLOOR PLAN - ELECTRICAL POWER & FIRE ALARM

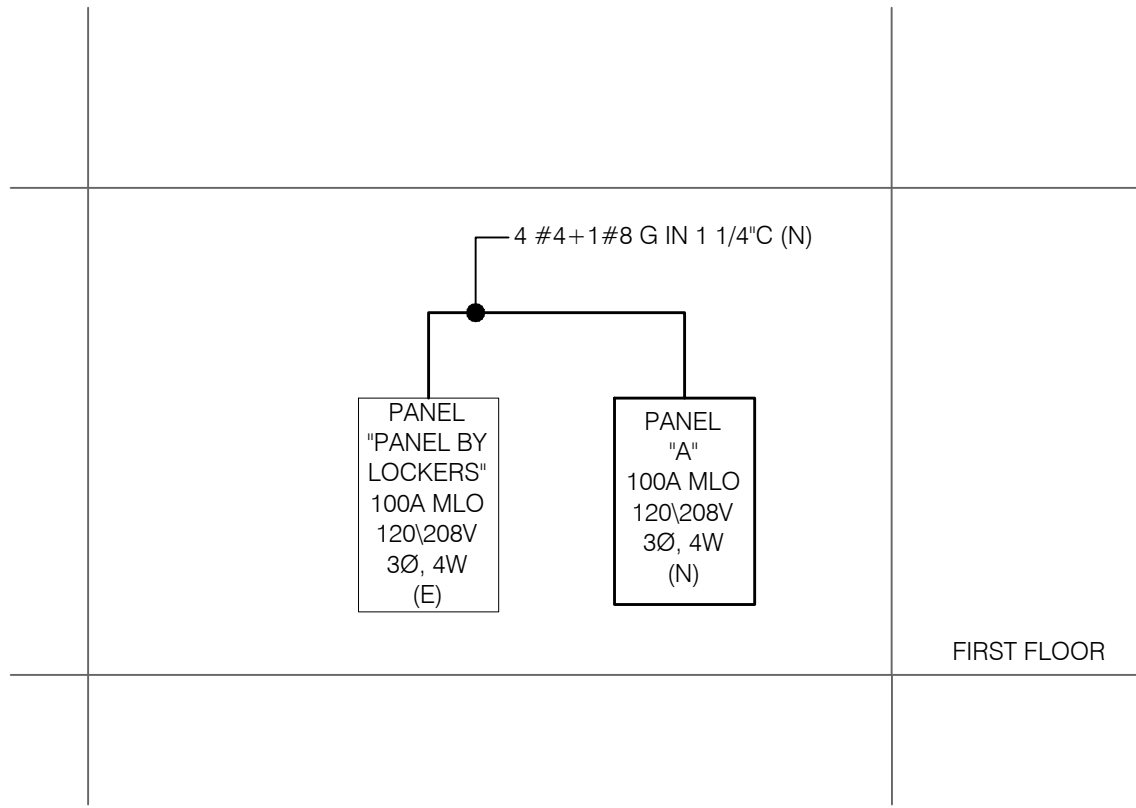
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1 PARTIAL ELECTRICAL RISER (DANCE INSTRUCTIONAL FACILITIES)
E-501.00 SCALE: NTS



2 PARTIAL ELECTRICAL RISER (MUSICAL INSTRUCTIONAL FACILITIES)
E-501.00 SCALE: NTS



3 PARTIAL ELECTRICAL RISER (PHYSICAL EDUCATION)
E-501.00 SCALE: NTS

GENERAL NOTES

1. UNLESS OTHERWISE NOTED, ALL ELECTRICAL EQUIPMENT, PANELS AND FEEDERS ARE EXISTING TO REMAIN AND SHOWN FOR REFERENCE ONLY.

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Title ELECTRICAL RISER
DIAGRAMS

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GENERAL NOTES

1. THE FIRE ALARM RISER DIAGRAM ONLY INCLUDES NEW FIRE ALARM DEVICES. REFER TO FLOOR PLAN DRAWING TO VERIFY EXACT QUANTITY OF DEVICES.
2. THE FIRE ALARM RISER DIAGRAM IS PROVIDED FOR REFERENCE ONLY AND IS NOT INTENDED TO DESCRIBE THE SYSTEM ARCHITECTURE AND DOES NOT INCLUDE ALL NECESSARY INFORMATION TO INSTALL THE SYSTEM. THE INSTALLED SYSTEM MUST MEET ALL REQUIREMENTS OF THE NFPA AND AHJ.
3. THE FIRE ALARM SYSTEM IS DESIGNED TO UTILIZE HORN MODULES FOR AUDIBLE NOTIFICATIONS.
4. ALL NEW FIRE ALARM VISUAL NOTIFICATION DEVICES IN THE SCOPE OF WORK AREA MUST BE ADA COMPLIANT.
5. THE FIRE ALARM AUDIBLE DEVICE SHALL HAVE A SOUND LEVEL AT LEAST 15 dBA ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR 5 dBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, THROUGHOUT THE AREA OF WORK.
6. ALL EXISTING AND NEW FIRE ALARM DEVICES INSTALLED IN THE AREA OF WORK SHALL CONFORM WITH ALL STANDARDS AND REQUIREMENTS OF ADA, UL, ANSI AND NFPA. EXISTING NON-COMPLIANT DEVICES IN THE SCOPE OF WORK AREA SHALL BE REPLACED IN PLACE WITH NEW COMPLIANT DEVICES. VISUAL (STROBE) DEVICES SHALL BE EQUIPPED WITH FIELD SELECTABLE WITH MINIMUM 15 AND MAXIMUM 110 CANDELA RATED LIGHT OUTPUT OPTION AND SIMULTANEOUS FLASH RATE OF 1 TO 3 Hz.
9. ALL SOUND MASKING, WHITE NOISE, PA AND SIMILAR SYSTEMS MUST BE DEACTIVATED WHEN AN ALARM SIGNAL IS INITIATED BY THE FIRE ALARM SYSTEM. CONTRACTOR TO PROVIDE MODULES TO INTERFACE WITH THE FIRE ALARM SYSTEM AS REQUIRED.
10. THE FIRE ALARM SYSTEM IS TO BE CLEAR OF ALL TROUBLE AND ALARM SIGNALS AT THE END OF EACH DAY INCLUDING ANY REPROGRAMMING REQUIRED BY THE TEMPORARY OR PERMANENT REMOVAL OF EXISTING DEVICES.
11. CONTRACTOR TO REPROGRAM THE EXISTING FIRE ALARM SYSTEM UPON COMPLETION OF ANY MODIFICATIONS TO THE SYSTEM AS REQUIRED, UNLESS OTHERWISE NOTED, MAINTAIN AND MATCH EXISTING SEQUENCE OF OPERATIONS.
12. ALL FIRE ALARM WORK MUST BE COORDINATED WITH THE OWNER AND BUILDING ENGINEER AT LEAST 3 DAYS PRIOR TO INSTALLATION. THE FIRE ALARM SYSTEM MUST REMAIN OPERATIONAL AS THE BUILD OUT OCCURS. OBTAIN WRITTEN PERMISSION FROM THE OWNER PRIOR TO THE INTERRUPTION OF THE BUILDING FIRE ALARM SYSTEM. THE CONTRACTOR MUST FOLLOW ALL BUILDING OWNER PROTOCOLS AND CODE REQUIREMENTS FOR A FIRE ALARM INTERRUPTION.
13. THE BUILDING FIRE ALARM SYSTEM IS MONITORED BY "DATAWATCH SYSTEMS", PHONE NUMBER 301-280-4321.
14. CONTRACTOR TO PREPARE AND SUBMIT FIRE ALARM SHOP DRAWINGS TO THE ENGINEER AND THE FIRE MARSHAL FOR REVIEW AND FINAL APPROVAL. CONTRACTOR TO BE PRESENT DURING FINAL INSPECTION AND TESTING BY THE FIRE MARSHALL. SHOP DRAWINGS SHALL INCLUDE:
 - SYSTEM RISER DIAGRAM AND FLOOR PLAN WITH DEVICE ADDRESSES, CONDUIT SIZES AND WIRE TYPE AND SIZES
 - FIRE ALARM EXTENDER PANEL, IF REQUIRED
 - COMPONENT WIRING DIAGRAMS
 - PRODUCT DATA SHEETS AND EQUIPMENT DESCRIPTION
 - BATTERY SIZE CALCULATIONSANY REVISIONS AND ADDITIONS REQUIRED BY THE AHJ PRIOR TO OBTAINING THE CERTIFICATE OF OCCUPANCY ARE THE RESPONSIBILITY OF THE CONTRACTOR.

RESTROOM RENOVATION
PURCHASE COLLEGE

STATE UNIVERSITY OF NEW YORK

735 Anderson Hill Rd.
Purchase, NY 10577

PHASE 2:

MUSIC BUILDING
DANCE BUILDING
PHYS. ED. BUILDING
LIBRARY

Conditions

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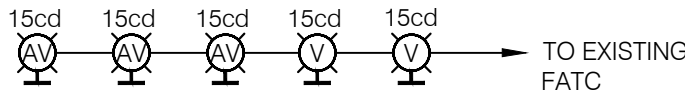
Rev	Date	Issue
	05 May 2022	Issue for Bid

Title FIRE ALARM RISER
DIAGRAMS AND
SCHEDULES

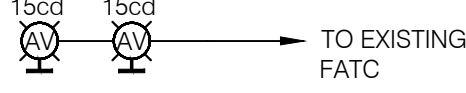
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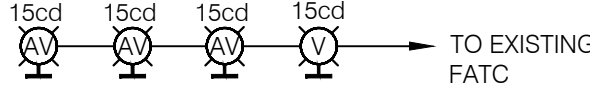
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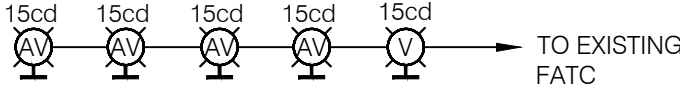
FIRST FLOOR



FIRST FLOOR



BASEMENT LEVEL



FIRST FLOOR

3

PARTIAL FIRE ALARM RISER (PHYSICAL EDUCATION)

E-502.00

SCALE: NTS

2

PARTIAL FIRE ALARM RISER (DANCE INSTRUCTIONAL FACILITIES)

E-502.00

SCALE: NTS

1

PARTIAL FIRE ALARM RISER (MUSICAL INSTRUCTIONAL FACILITIES)

E-502.00

SCALE: NTS

4

PARTIAL FIRE ALARM RISER (LIBRARY BUILDING)

E-502.00

SCALE: NTS

LIGHTING FIXTURE SCHEDULE										
TYPE	SYMBOL	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LUMENS	LAMP	WATTAGE	QUANTITY	VOLTAGE	REMARKS
L1		CELESTA LINEAR TAPE LIGHT, WHITE METAL CHANNEL	LUCETTA LIGHTING	VP-24CEL150-30-XX-SLWH-3M-010	166 LM / FT	LED	1.8W/FT	193 FT	120/277 V	QUANTITY IS IN LINEAR FEET, REFER TO FLOOR PLANS FOR EXACT FIXTURE LENGTH
L2		4-INCH ROUND ALL-PURPOSE LED RETROFIT MODULE, 3000K, 90CRI, MATTE WHITE FINISH	COOPER LIGHTING	LCR4-08-9FS-E010-MM	800 LM	LED	10W	60	120/277 V	
L4		NEORAY DEFINE 3, WITH INTEGRATED DRIVER, DIRECT/INDIRECT, WHITE FINISH	COOPER LIGHTING	S123DWW-C-5600-755U-9-30-1-U	5600 / 755U	LED	4.8W/FT	46 FT	120/277 V	QUANTITY IS IN LINEAR FEET, REFER TO FLOOR PLANS FOR EXACT FIXTURE LENGTH
L5		INOUT CIRCULAR LED PENDANT, 3" DIA, 3000K, 93CRI, WHITE FINISH	DELRAY LIGHTING	UDCwC-3-W-W30-D-EM	5438 LM	LED	75W	2	120 V	SEPARATE REMOTE MOUNTING
NOTES: 1. PROVIDE FIXTURES WITH ALL NECESSARY ACCESSORIES TO ENSURE A COMPLETE AND OPERATIONAL SYSTEM. 2. COORDINATE WITH ARCHITECT FOR ALL FIXTURE FINISHES, LENS ACCESSORIES, CEILING TYPE AND MOUNTING REQUIREMENTS. 3. CONDUCTOR SIZE FEEDING ALL EMERGENCY LIGHT FIXTURES SHALL BE #10 AWG, OR SHALL MATCH EXISTING CONDUCTOR SIZE. 4. ALL EMERGENCY LIGHT FIXTURES SHALL BE FED VIA #10 AWG, UNLESS OTHERWISE NOTED ON PLAN. ALL EMERGENCY LIGHTING SHALL BE APPROVED WITH INTEGRAL OR REMOTE BATTERY BACKUP. 5. ALL DIMMER SWITCHES MUST BE COMPATIBLE WITH DIMMABLE BALLASTS. CONTRACTOR TO ENSURE ALL SWITCHES ARE RATED TO ACCOMMODATE THE LOAD REQUIREMENTS OF ASSOCIATED LIGHTING CIRCUIT. 6. UNLESS OTHERWISE NOTED, ALL FLUORESCENT FIXTURES SHALL BE PROVIDED WITH (3500K) or (4100K) LMWS. 7. UNLESS OTHERWISE NOTED, ALL LIGHT FIXTURES INDICATED ON PLANS AS TO BE CONTROLLED WITH A DUAL SWITCHING SYSTEM SHALL BE PROVIDED WITH (50% STEP-DIM) or (TWO) BALLASTS AND DRIVERS. 8. ALL APPLICABLE LIGHT FIXTURES, SWITCHES, BALLASTS AND ASSOCIATED ACCESSORIES MUST BE COMPATIBLE WITH THE LIGHTING CONTROL SYSTEM SERVING THE SPACE.										

MECHANICAL EQUIPMENT ELECTRICAL CONNECTION SCHEDULE												
UNIT MARK	UNIT DESCRIPTION	VOLTAGE / PHASE	HP	LOAD KW	FLA	MCA	MOCP IN PANEL	UNIT DISCONNECT SWITCH			FEEDER	REMARKS
								SIZE	TYPE	FURNISHED BY		
EF-1	EXHAUST FAN	120/1	0.06	0.12	0.96	1.2	20	-	SM	DIV.26	2 #12 + 1 # 12G IN 3/4"C	AUTOMATIC TIMER SWITCH TO TURN OFF EXHAUST FAN.
ABBREVIATIONS: SM - MOTOR RATED SWITCH; NFSS - NON FUSED SAFETY SWITCH; FSS - FUSED SAFETY SWITCH; VFD - VARIABLE FREQUENCY DRIVE												
NOTES: 1. ALL OUTDOOR DISCONNECT SWITCHES SHALL BE IN NEMA 3R ENCLOSURE TYPE, UNLESS OTHERWISE NOTED. 2. ALL FUSE SIZES FOR EQUIPMENT DISCONNECT SWITCH SHALL BE BASED ON THE EQUIPMENT NAME PLATE DATA AND EQUIPMENT MANUFACTURER RECOMMENDATIONS. 3. CONTRACTOR TO PROVIDE ELECTRICAL CONNECTIONS FOR ALL ASSOCIATED CONDENSATE PUMP, CONTROL PANEL, ALARM AND MISCELLANEOUS ACCESSORY DEVICES SERVING 4. ALL FUSES SHALL BE DUAL ELEMENT TYPE.												

PROJECT: SUNY PURCHASE COLLEGE -MUSIC INSTRUCTIONAL FAC PANEL VOLTAGE:														480/277V				A/C RATING:				14K													
PANEL: HBS (E)														PHASE & WIRE:				3PH, 4W				MOUNTING:				SURFACE									
LOCATION MUSIC ELEC. ROOM														BUSMAIN (AMPS):				100A MCB				NEMA TYPE:				1									
CKT	OCD		LOAD (KVA)										3PH SEQUENCE				LOAD (KVA)				OCD		CKT												
NO.	A	P	DESCRIPTION										MISC	HHW	HVAC	REC	LTO	A	B	C	MISC	HHW	HVAC	REC	LTO	A	P	NO.							
1	20	1	EXISTING LOAD										1.2				3.4				2.2							20	1	2					
3	20	1	EXISTING LOAD										1.2					3.4				2.2						20	1	4					
5	20	1	EXISTING LOAD										1.2						3.4		2.2						20	1	6						
7	20	1	LTG-RM 87, 88, 89 (E)										1.2				3.4								2.2		20	1	8						
9	20	1	LTG-RM 85, 86 (E)										1.2					3.4							2.2		20	1	10						
11	20	1	LTG-VEST 81A (E)										1.2						3.4						2.2		20	1	12						
13	20	1	LTG-RM 893, 94, 95, 96, 97, 98 (E)										1.2				3.4								2.2		20	1	14						
15	20	1	LTG-RM 890, 91, 92, 99, 100, 101 (E)										2.2					4.4							2.2		20	1	16						
17	20	1	LTG-RM 872, 73, 74, 75, 76, 77 (E)										2.2						4.4						2.2		20	1	18						
19	20	1	LTG-RM 8102, 103, 104, 105 (E)										2.2				4.4								2.2		20	1	20						
21	20	1	EXISTING LOAD										2.2						4.4		2.2						20	1	22						
23	20	1	EXISTING LOAD										2.2							4.4							20	1	24						
25	20	1	EXISTING LOAD										2.2					4.4			2.2						20	1	26						
CONNECTED LOAD (KVA)														6.6	0.0	0.0	0.0	15.0	19.0	15.6	13.2	0.0	0.0	0.0	15.4										
25% OF LARGEST MOTOR (KVA)																																			
TOTAL CONNECTED LOAD (KVA)														19.8	0.0	0.0	0.0	30.4																	
DEMAND FACTOR														1.0	1.25	1.0	X	1.25											58						
TOTAL DEMAND LOAD (KVA)														19.8	0.0	0.0	0.0	38.0											70						
X= 1ST 10KVA @ 100% + REMAINDER @ 50% (N.E.C. 220-44)																																			
1 SPARE CIRCUIT MADE AVAILABLE AFTER DEMOLITION														2 PROVIDE NEW CIRCUIT BREAKER																					

PROJECT: SUNY PURCHASE COLLEGE -MUSIC INSTRUCTIONAL FAC PANEL VOLTAGE:															120/208V					A/C RATING:					10K						
PANEL: LBS SEC.II (E)															PHASE & WIRE:					3PH, 4W					MOUNTING:					SURFACE	
LOCATION MUSIC ELEC. ROOM															BUSMAIN (AMPS):					100A MLO					NEMA TYPE:					1	
CKT	OCD	DESCRIPTION				LOAD (KVA)				3PH SEQUENCE			LOAD (KVA)				DESCRIPTION				OCD		CKT								
						MISC	HHW	HVAC	REC	LTO	A	B	C	MISC	HHW	HVAC					REC	LTO		A	P	NO.					
37	20	1	EXISTING LOAD						0.3				0.7			0.4					EXISTING LOAD	20	1	38							
39	20	1	EXISTING LOAD						0.3					0.7		0.4					EXISTING LOAD	20	1	40							
41	20	1	EXISTING LOAD						0.4						0.8	0.4					EXISTING LOAD	20	1	42							
43	20	1	EXISTING LOAD							0.5		0.9				0.4					EXISTING LOAD	20	1	44							
45	20	1	EXISTING LOAD							0.5			0.9					0.4			EXISTING LOAD	20	1	46							
47	20	1	EXISTING LOAD								0.4				0.8				0.4		EXISTING LOAD	20	1	48							
49	20	1	EXISTING LOAD						0.4					0.8		0.4					EXISTING LOAD	20	1	50							
51	20	1	EXISTING LOAD						0.4						0.8		0.4				EXISTING LOAD	20	1	52							
53	20	1	EXISTING LOAD						0.4							0.8	0.4				EXISTING LOAD	20	1	54							
55	20	1	EXISTING LOAD						0.4						0.8		0.4				EXISTING LOAD	20	1	56							
57	20	1	EXISTING LOAD						0.4							0.4					EXISTING LOAD	20	1	58							
59	20	1	EXISTING LOAD						0.4												BUSSED SPACE										
61	20	1	EXISTING LOAD						0.4							0.8			0.4		EXISTING LOAD	20	1	60							
63	20	1	EXISTING LOAD							0.4			1.4			1.0					JBOX - HAND DRYER 0004A(N)	2	20	1	62						
65	20	1	EXISTING LOAD							0.3				0.7					0.4		EXISTING LOAD	20	1	64							
67	20	1	LTG-0004A,0004,0004B(N)												2.2	1.0					JBOX - HAND DRYER 0004(N)	2	20	1	66						
69	20	1	REC - RM. 0004B,0004,0004A & 0002D(N)								1.1		1.1								MAIN	100	3	68							
71	20	1	REC - EWC(GF(N)								0.4			0.4							/	/	/	70							
73	20	1	JBOX - HAND DRYER 0004A(N)						1.0							1.0					/	/	/	72							
CONNECTED LOAD (KVA)								4.8	0.0	0.0	3.2	1.2	5.7	3.9	6.4	5.2	0.0	0.0	0.8	0.8											
25% OF LARGEST MOTOR (KVA)																															
TOTAL CONNECTED LOAD (KVA)								10.0	0.0	0.0	4.0	2.0																			
DEMAND FACTOR								1.0	1.25	1.0	X	1.25											TOTAL DEMAND (KVA)				16				
TOTAL DEMAND LOAD (KVA)								10.0	0.0	0.0	4.0	2.5											LINE CURRENT (AMPS)				48				
																							WHW - HOT WATER HEATER								
1 SPARE CIRCUIT MADE AVAILABLE AFTER DEMOLITION															2 PROVIDE NEW CIRCUIT BREAKER																

PROJECT: SUNY PURCHASE COLLEGE -MUSIC INSTRUCTIONAL FAC PANEL VOLTAGE:														120/208V				A/C RATING:				10K								
PANEL: LBS SEC.I (E)														PHASE & WIRE:				3PH, 4W				MOUNTING:				SURFACE				
LOCATION MUSIC ELEC. CONTROL ROOM - 0049														BUSMAIN (AMPS):				100A MLO				NEMA TYPE:				1				
CKT	NO	ODD	DESCRIPTION					LOAD (KVA)					3 PH SEQUENCE					LOAD (KVA)					ODD	CKT						
	A	P						MISC	HHW	HVAC	REC	LTO	A	B	C	MISC	HHW	HVAC	REC	LTO	DESCRIPTION					A	P	NO		
1	20	1	EXISTING LOAD					0.6						1.1								EXISTING LOAD					20	1	2	
3	20	1	EXISTING LOAD					0.5							1.1		0.6					EXISTING LOAD					20	1	4	
5	20	1	EXISTING LOAD					0.6								1.1	0.5					EXISTING LOAD					20	1	6	
7	20	1	REC-FILM (E)							0.5			0.8				0.3					EXISTING LOAD					20	1	8	
9	20	1	EXISTING LOAD					0.6							1.0					0.4		EXISTING LOAD					20	1	10	
11	20	1	REC-FILM (E)							0.6						1.1				0.5		EXISTING LOAD					20	1	12	
13	20	1	EXISTING LOAD					0.4						0.8			0.4					EXISTING LOAD					20	1	14	
15	20	1	EXISTING LOAD					0.4							0.8		0.4					EXISTING LOAD					20	1	16	
17	20	1	EXISTING LOAD					0.4								0.8	0.4					EXISTING LOAD					20	1	18	
19	20	1	EXISTING LOAD					0.4						0.9			0.5					EXISTING LOAD					20	1	20	
21	20	1	EXISTING LOAD					0.4								0.8				0.4		EXISTING LOAD					20	1	22	
23	20	1	EXISTING LOAD							0.6						1.1				0.5		EXISTING LOAD					20	1	24	
25	20	1	EXISTING LOAD							0.5		1.5					1.0					JBXX - HAND DRYER 0004B (N)					2	26	1	26
27	20	1	EXISTING LOAD							0.6				1.0			0.4					EXISTING LOAD					20	1	28	
29	20	1	EXISTING LOAD							0.5					1.5	1.0						JBXX - HAND DRYER 0004(N)					2	20	1	30
31	20	1	EXISTING LOAD							0.6			0.6									MAIN (E)					100	3	32	
33	20	1	REC-BATHROOM HAND DRYER (E)					0.8							0.8							/					/	/	34	
35	20	1	REC-BATHROOM HAND DRYER (E)					0.8								0.8						/					/	/	36	
CONNECTED LOAD (KVA)							5.9	0.0	0.0	3.9	0.0	5.7	5.5	6.4	8.0	0.0	0.0	0.9	0.9											
TOTAL CONNECTED LOAD (SECTION 1)							11.9	0.0	0.0	4.8	0.0																			
TOTAL CONNECTED LOAD (SECTION 2)							10.0	0.0	0.0	4.0	2.0																			
25% OF LARGEST MOTOR (KVA)							21.9	0.0	0.0	8.8	2.9																			
TOTAL CONNECTED LOAD (KVA)							11.0	1.25	1.0	X	1.25																			
DEMAND FACTOR							21.9	0.0	0.0	8.8	3.6																			
TOTAL DEMAND LOAD (KVA)																														
X= 1ST 10KVA @ 100% + REMAINDER @ 50% (N.E.C. 220-44)																						34								
1 SPARE CIRCUIT MADE AVAILABLE AFTER DEMOLITION																						2 PROVIDE NEW CIRCUIT BREAKER								
DHW - HOT WATER HEATER																						95								

PROJECT: SUNY PURCHASE COLLEGE -PHYSICAL EDUCATION										PANEL VOLTAGE:				120/208V				AIC RATING:											
PANEL: A(N)										PHASE & WIRE:				1PH, 3W				MOUNTING:											
LOCATION: ELECTRICAL CLOSET										BUSMAIN (AMPS):				100A MLO				NEMA TYPE:											
CKT		LOAD (KVA)		1 PH SEQUENCE				LOAD (KVA)																					
OCD		A		P		DESCRIPTION		MISC		HHW		HVAC		REC		LTO		DESCRIPTION		OCD		A		P		CKT NO.			
1		20		1		LITG - RM 2012,2013,2012A,2013A														REC - RM 2012,2013,2012A,2013A		20		1		2			
3		20		1		JBOX - EXWGEF12017				0.4				1.4		1.0				JBOX - HAND DRYER RM 2012A		20		1		4			
5		20		1		JBOX - HAND DRYER RM 2013		1.0						2.0		1.0				JBOX - HAND DRYER RM 2013		20		1		6			
7		20		1		JBOX - HAND DRYER RM 2012		1.0						2.0		1.0				JBOX - HAND DRYER RM 2012A		20		1		8			
9						BUSSED SPACE								0.0						BUSSED SPACE									
11						BUSSED SPACE								0.0						BUSSED SPACE									
						CONNECTED LOAD (KVA)		2.0		0.0		0.0		0.4		0.6		3.7		3.4		3.0		0.0		1.1		0.0	
						25% OF LARGEST MOTOR (KVA)																							
						TOTAL CONNECTED LOAD (KVA)		5.0		0.0		0.0		1.5		0.6													
						DEMAND FACTOR		1.0		1.25		1.0		X		1.25													
						TOTAL DEMAND LOAD (KVA)		5.0		0.0		0.0		1.5		0.8													
X= 1ST 10KVA @ 100% + REMAINDER @ 50% (N.E.C. 220-44)																													

PROJECT: SUNY PURCHASE COLLEGE -LIBRARY BUILDING										PANEL VOLTAGE: 120/208V				AIC RATING: 10K						
PANEL: LS-4 SEC.II (E)										PHASE & WIRE: 3PH, 4W				MOUNTING: SURFACE						
LOCATION MEN'S ELEC. CLOSET 1009										BUS/MAIN (AMPS): 100A MLO				NEMA TYPE: 1						
CKT	NO.	A	P	DESCRIPTION	LOAD (KVA)				3PH SEQUENCE				LOAD (KVA)				CKT			
					MISC	HWH	HVAC	REC	LTO	A	B	C	MISC	HWH	HVAC	REC	LTO			
43	20	1		REC - LOBBY 1007(N)				0.5	1.1				0.6				EXISTING LOAD	20	1	44
45	20	1		REC - RM 1008,1009,1009(N)				0.7			1.9		1.2				EXISTING LOAD	20	1	46
47	20	1		REC - EWCGR(N)				0.4				1.6	1.2				EXISTING LOAD	20	1	48
49	20	1		JBOX - HAND DRYER RM 1009(N)	1.0				2.2				1.2				EXISTING LOAD	20	1	50
51	20	1		JBOX - HAND DRYER RM 1009(N)	1.0						1.6			0.6			EXISTING LOAD	20	1	52
53	20	1		JBOX - HAND DRYER RM 1009(N)	1.0							2.2			1.2		EXISTING LOAD	20	1	54
55	20	1		JBOX - HAND DRYER RM 1008(N)	1.0					1.6			0.6				EXISTING LOAD	20	1	56
57	20	1		JBOX - HAND DRYER RM 1008(N)	1.0							2.2	1.2				EXISTING LOAD	20	1	58
59				BUSSED SPACE									0.8	0.8			EXISTING LOAD	20	1	60
61				BUSSED SPACE						0.9			0.9				EXISTING LOAD	20	1	62
63				BUSSED SPACE							1.2				1.2		EXISTING LOAD	20	1	64
65				BUSSED SPACE								0.8		0.8			EXISTING LOAD	20	1	66
67				BUSSED SPACE						0.6				0.6			EXISTING LOAD	20	1	68
69				BUSSED SPACE							1.2			1.2			EXISTING LOAD	20	1	70
71				BUSSED SPACE								0.6			0.6		EXISTING LOAD	20	1	72
73	50	3		EXISTING LOAD	0.8				2.0				1.2				EXISTING LOAD	20	1	74
75	/	/		/	0.8						2.0		1.2				EXISTING LOAD	20	1	76
77	/	/		/	0.8							1.4		0.6			EXISTING LOAD	20	1	78
79	90	3		EXISTING LOAD	0.5				1.7				1.2				EXISTING LOAD	20	1	80
81	/	/		/	0.5						1.3		0.8				EXISTING LOAD	20	1	82
83	/	/		/	0.5							0.5					BUSSED SPACE			84
CONNECTED LOAD (KVA)					8.9	0.0	0.0	1.7	0.0	10.1	11.4	7.9	9.7	0.0	0.0	7.4	1.8			
25% OF LARGEST MOTOR (KVA)																				
TOTAL CONNECTED LOAD (KVA)					18.8	0.0	0.0	9.1	1.8											
DEMAND FACTOR					1.0	1.25	1.0	X	1.25	TOTAL DEMAND (KVA) 30										
TOTAL DEMAND LOAD (KVA)					18.8	0.0	0.0	9.1	2.3	LINE CURRENT (AMPS) 83										
X= 1ST 10KVA @ 100% + REMAINDER @ 50% (N.E.C. 220-44)										HWH - HOT WATER HEATER										
1 SPARE CIRCUIT MADE AVAILABLE AFTER DEMOLITION										2 PROVIDE NEW CIRCUIT BREAKER										

PROJECT: SUNY PURCHASE COLLEGE -LIBRARY BUILDING										PANEL VOLTAGE: 120/208V				AIC RATING: 10K											
PANEL: LS-4 SEC.I (E)										PHASE & WIRE: 3PH, 4W				MOUNTING: SURFACE											
LOCATION MEN'S ELEC. CLOSET 1009										BUS/MAIN (AMPS): 200A MCB				NEMA TYPE: 1											
CKT	OCD			LOAD (KVA)						3 PH SEQUENCE						LOAD (KVA)						OCD			CKT
NO.	A	P		DESCRIPTION			MISC	HWH	HVAC	REC	LTO	A	B	C	MISC	HWH	HVAC	REC	LTO	DESCRIPTION			A	P	NO.
1	20	1					0.6					1.4			0.8							1	20	1	20
3	20	1					0.6						1.2		0.6							1	20	1	10
5	20	1					1.2							2.4	1.2							1	20	1	6
7	20	1					1.2				2.0				0.8							1	20	1	8
9	20	1					0.8					1.0				0.2						1	20	1	10
11	20	1					1.2							1.7		0.5						1	20	1	12
13	20	1					0.8				1.6				0.8							1	20	1	14
15	20	1					1.2						2.4		1.2							1	20	1	16
17	20	1					0.6							1.8	1.2							1	20	1	18
19	20	1					0.6				1.5				0.9							15	20	1	20
21	20	1					1.0					1.6				0.6						1	20	1	22
23	20	1							0.5					0.9		0.4						1	20	1	24
25	20	1					0.6				1.8					1.2						1	20	1	26
27	20	1							1.2				2.0			0.8						1	20	1	28
29	20	1					0.6							1.8		1.2						1	20	1	30
31	20	1					0.6				1.4					0.8						1	20	1	32
33	20	1					0.6					1.8				1.2						1	20	1	34
35	20	1							1.2					2.0		0.8						1	20	1	36
37	20	1					0.6				1.8				1.2							1	20	1	38
39	20	1					0.5						1.3	0.8								1	20	1	40
41	20	1					0.8							2.0	1.2							1	20	1	42
CONNECTED LOAD (KVA)							11.1	0.0	0.0	5.9	0.0	11.5	11.3	12.6	10.7	0.0	0.0	7.0	0.7						
TOTAL CONNECTED LOAD (SECTION 1)							21.8	0.0	0.0	12.9	0.7														
TOTAL CONNECTED LOAD (SECTION 2)							18.6	0.0	0.0	9.1	1.8														
25% OF LARGEST MOTOR (KVA)																									
TOTAL CONNECTED LOAD (KVA)							40.4	0.0	0.0	22.0	2.5														
DEMAND FACTOR							1.0	1.25	1.0	X	1.25					TOTAL DEMAND (KVA) 60									
TOTAL DEMAND LOAD (KVA)							40.4	0.0	0.0	18.0	3.1					LINE CURRENT (AMPS) 165									
X= 1ST 10KVA @ 100% + REMAINDER @ 50% (N.E.C. 220-44)										HWH - HOT WATER HEATER															
1 SPARE CIRCUIT MADE AVAILABLE AFTER DEMOLITION										2 PROVIDE NEW CIRCUIT BREAKER															

PROJECT: SUNY PURCHASE COLLEGE -LIBRARY BUILDING										PANEL VOLTAGE: 120/208V				AIC RATING: 10K			
PANEL: HS-4 (E)										PHASE & WIRE: 3PH, 4W				MOUNTING: SURFACE			
LOCATION MEN'S ELEC. ROOM 1009										BUS/MAIN (AMPS): 100A MCB				NEMA TYPE: 1			
CKT	NO.	A	P	DESCRIPTION	LOAD (KVA)				3PH SEQUENCE				LOAD (KVA)				CKT
					MISC	HWH	HVAC	REC	LTO	A	B	C	MISC	HWH	HVAC	REC	LTO
1	20	1		LTO - DUPLICATION AND SEC. CEILING (E)						1.2	2.4						
3	20	1		LTO - STAFF RANGE CEILING (E)						1.2		2.4					
5	20	1		LTO - CORRIDOR CEILING (E)						1.2			2.4	1.2			
7	20	1		EXISTING LOAD	1.2						2.4		1.2				
9	20	1		CONFERENCE AND DIRECTOR CEILING (E)	1.2							2.4	1.2				
11	20	1		EXISTING LOAD	1.2								2.4	1.2			
CONNECTED LOAD (KVA)					3.8	0.0	0.0	0.0	3.8	4.8	4.8	4.8	0.0	0.0	0.0	2.4	
25% OF LARGEST MOTOR (KVA)																	
TOTAL CONNECTED LOAD (KVA)					8.4	0.0	0.0	0.0	8.0								
DEMAND FACTOR					1.0	1.25	1.0	X	1.25					TOTAL DEMAND (KVA) 16			
TOTAL DEMAND LOAD (KVA)					8.4	0.0	0.0	0.0	7.5					LINE CURRENT (AMPS) 44			
X= 1ST 10KVA @ 100% + REMAINDER @ 50% (N.E.C. 220-44)										HWH - HOT WATER HEATER							
1 SPARE CIRCUIT MADE AVAILABLE AFTER DEMOLITION										2 PROVIDE NEW CIRCUIT BREAKER							

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Rev Date Issue
05 May 2022 Issue for Bid

Title
ELECTRICAL DETAILS

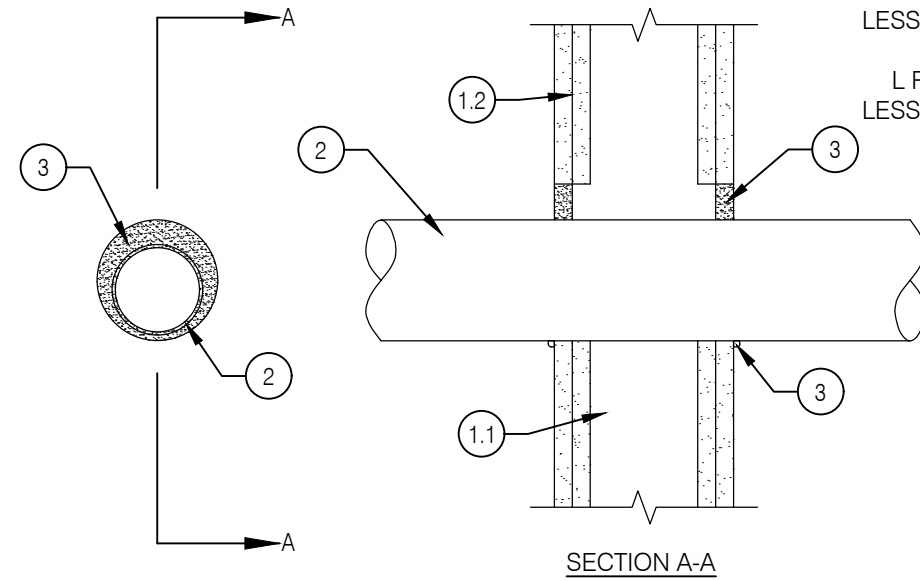
Date 01-16-2020
Project No. 1944
Drawing By
CHK By
Scale AS NOTED
DOB Rev

E-701.00

GYPSUM WALLBOARD

F RATINGS - 1 AND 2 HR
T RATING - 0 HR

L RATING AT AMBIENT -
LESS THAN 1 CFM/SQ FT
L RATING AT 400 F -
LESS THAN 1 CFM/SQ FT

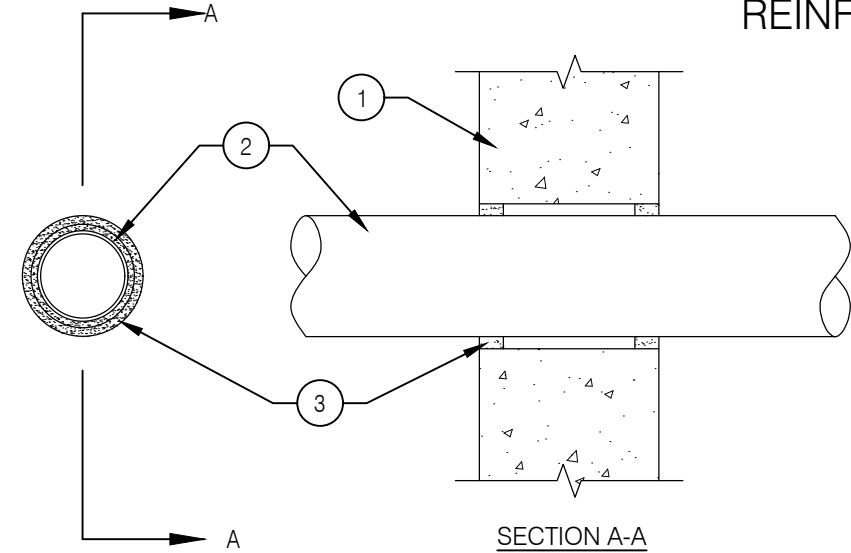


1. WALL ASSEMBLY - THE FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
 - 1.1. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. LUMBER SPACED 16 IN. OC. STEEL STUDS TO BE MIN 3-5/8 IN. WIDE AND SPACED MAX 24 IN. OC.
 - 1.2. GYPSUM BOARD* - THICKNESS, TYPE, NUMBER OF LAYERS AND FASTENERS AS REQUIRED IN THE INDIVIDUAL WALL AND PARTITION DESIGN. MAX DIAM OF OPENING IN WOOD STUD WALLS IS 8 IN. MAX DIAM OF OPENING IN STEEL STUD WALLS IS 14 IN. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.
2. THROUGH PENETRANT - ONE METALLIC PIPE, CONDUIT OR TUBING TO BE INSTALLED WITHIN THE FIRESTOP SYSTEM. THE SPACE BETWEEN PIPE, CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE A MIN 0 IN. (POINT CONTACT) TO A MAX 2 IN. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:
 - 2.1. STEEL PIPE - NOM 12 IN. DIAM (OR SMALLER) SCHEDULE 5 (OR HEAVIER STEEL PIPE.
 - 2.2. IRON PIPE - NOM 12 IN. DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE.
 - 2.3. CONDUIT - NOM 4 IN. DIAM (OR SMALLER) ELECTRICAL METALLIC TUBING, NOM 6 IN. DIAM (OR SMALLER) STEEL CONDUIT OR NOM 1 IN. DIAM (OR SMALLER) FLEXIBLE STEEL CONDUIT.
 - 2.4. COPPER TUBING - NOM 6 IN. DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
 - 2.5. COPPER PIPE - NOM 6 IN. DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
3. FILL, VOID OR CAVITY MATERIAL* - CAULK - MIN 5/8 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. MIN 3/8 IN. DIAM BEAD OF FILL MATERIAL APPLIED AT POINT CONTACT LOCATION AT THE PENETRANT/GYPSUM BOARD INTERFACE ON BOTH SIDES OF WALL.

PENETRATIONS THROUGH STRUCTURE SHALL MAINTAIN FIRE RESISTANCE AND COMPLY WITH SECTION 713.4 OF THE IBC 2009. ALL ANNULAR SPACES BETWEEN RATED STRUCTURE/ENCLOSURE SHALL BE FILLED WITH APPROVED MATERIAL COMPLYING WITH REQUIREMENTS OF UL 1479.

REINFORCED CONCRETE

F RATING - 2 HR
T RATING - 0 HR.



1. WALL ASSEMBLY - MIN 6 IN. (152 MM) THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF OR 1600-2400 KG/M3) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS*. MAX DIAM OF OPENING IS 25 IN. (635 MM). SEE CONCRETE BLOCKS (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR THE NAMES OF MANUFACTURERS.
2. THROUGH PENETRANT - ONE METALLIC PIPE, TUBING OR CONDUIT TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPES, TUBING OR CONDUITS AND PERIPHERY OF OPENING IS DEPENDENT UPON THE TYPE AND MAX DIAM OF THE THROUGH PENETRANT AS TABULATED BELOW. PIPE, TUBING OR CONDUIT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, TUBING OR CONDUITS MAY BE USED:
 - 2.1. STEEL PIPE - NOM 24 IN. (610 MM) DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
 - 2.2. IRON PIPE - NOM 24 IN. (610 MM) DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE.
 - 2.3. COPPER TUBING - NOM 6 IN. (152 MM) DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
 - 2.4. COPPER PIPE - NOM 6 IN. (152 MM) DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
 - 2.5. CONDUIT - NOM 4 IN. (102 MM) DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING, NOM 6 IN. (152 MM) DIAM GALV STEEL CONDUIT OR NOM 1 IN. DIAM FLEXIBLE STEEL CONDUIT.

TYPE OF THROUGH PENETRANT	MAX DIAM OF THROUGH PENETRANT, IN. (MM)	MIN & MAX ANNULAR SPACE, IN. (MM)
STEEL OR IRON PIPE	4 (102)	0, 1-1/2 (38)
STEEL TUBING OR CONDUIT	4 (102)	0, 1-1/2 (38)
STEEL CONDUIT	6 (152)	1/8 (3), 1/2 (13)
STEEL OR IRON PIPE	24 (610)	1/8 (3), 1/2 (13)
COPPER TUBING OR PIPE	6 (152)	1/8 (3), 1/2 (13)

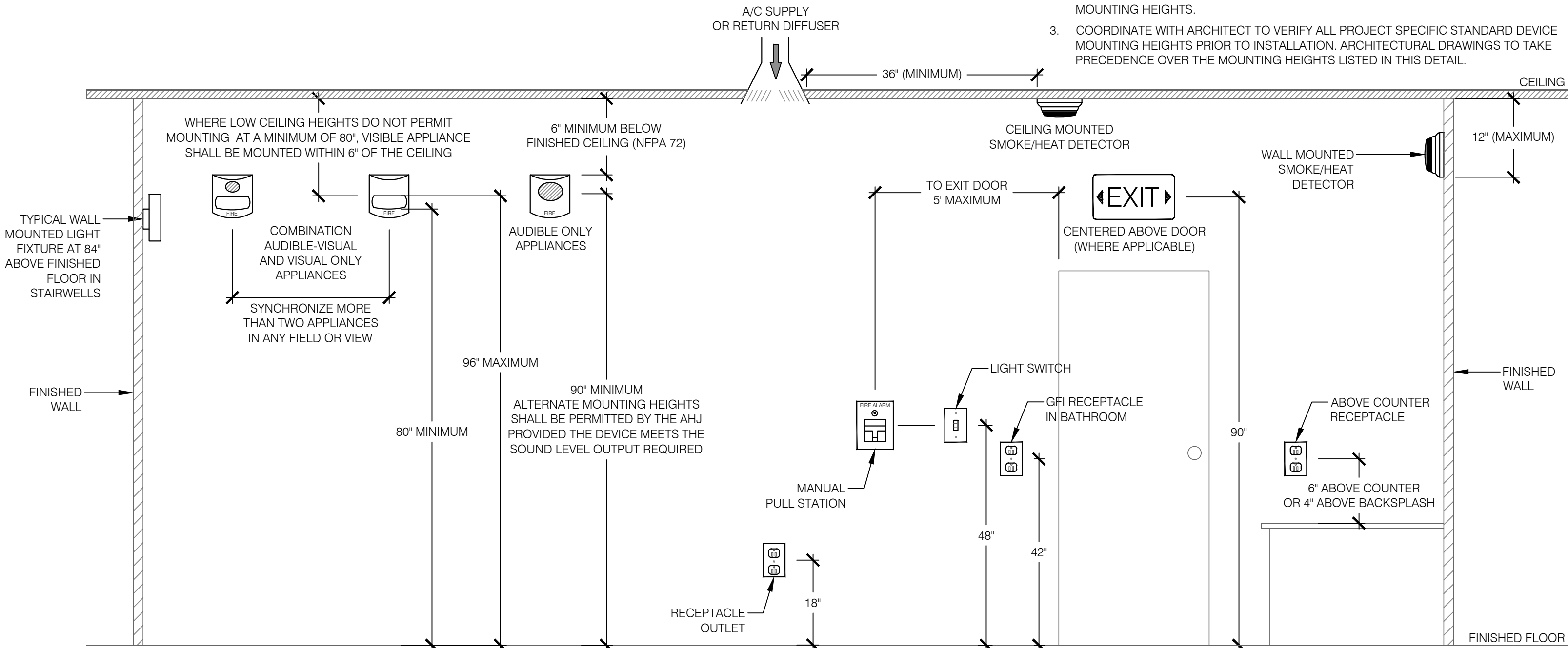
3. FILL, VOID OR CAVITY MATERIAL* - SEALANT - MIN 5/8 IN. (16 MM) THICKNESS OF FILL MATERIAL APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. AT THE POINT CONTACT LOCATION BETWEEN THROUGH PENETRANT AND CONCRETE, A MIN 3/8 IN. (10 MM) DIAM BEAD OF FILL MATERIAL SHALL BE APPLIED AT THE CONCRETE/THROUGH PENETRANT INTERFACE ON BOTH SURFACES OF WALL.
- PENETRATIONS THROUGH STRUCTURE SHALL MAINTAIN FIRE RESISTANCE AND COMPLY WITH SECTION 713.4 OF THE IBC 2009. ALL ANNULAR SPACES BETWEEN RATED STRUCTURE/ENCLOSURE SHALL BE FILLED WITH APPROVED MATERIAL COMPLYING WITH REQUIREMENTS OF UL 1479.

THROUGH-PENETRATION FIRE STOP DETAILS

SCALE: NTS

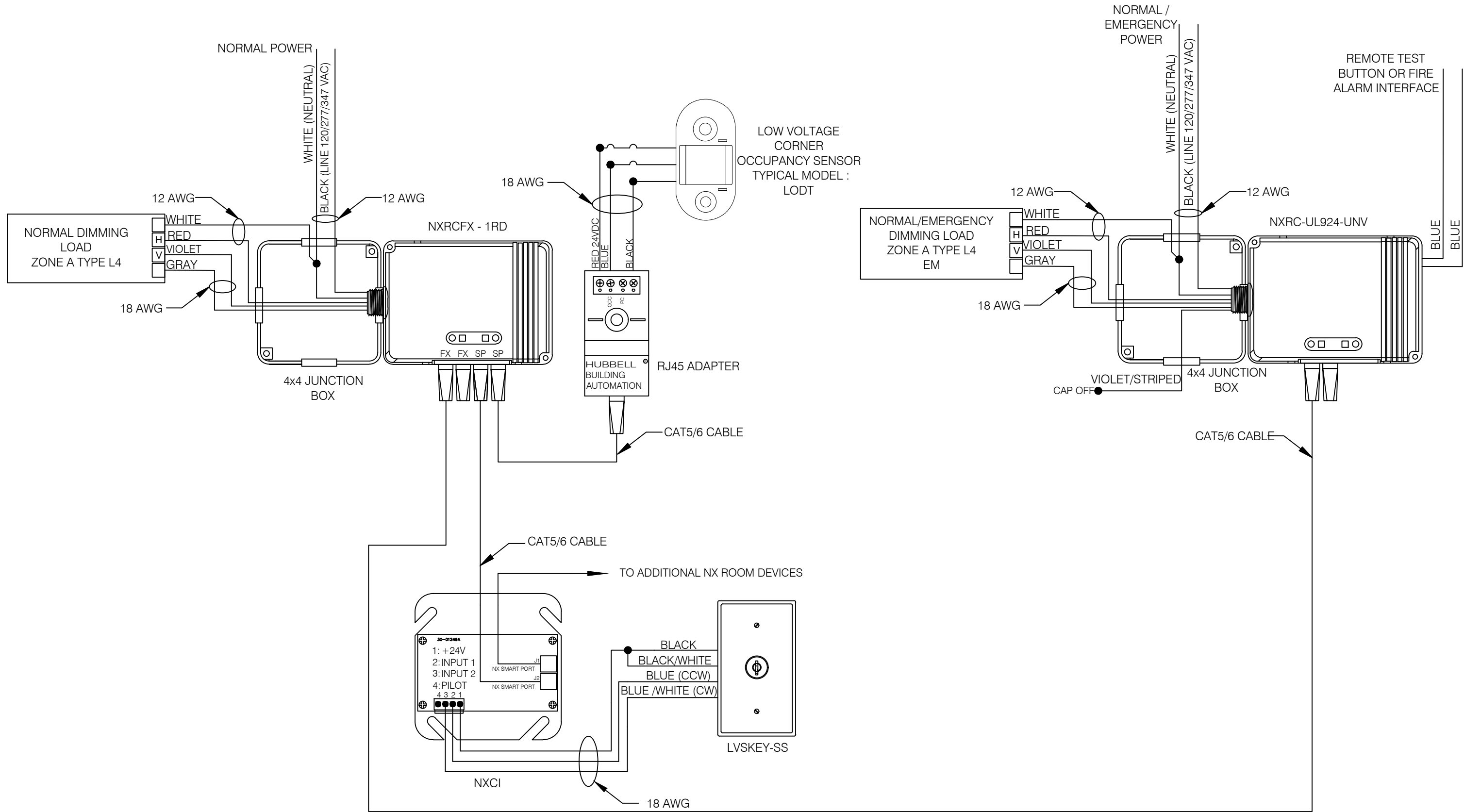
NOTES:

1. DEVICES SHALL BE INSTALLED ON A COMMON VERTICAL LINE WHEREVER POSSIBLE.
2. REFER TO THE PROPER DEVICE INSTALLATION INSTRUCTIONS FOR BACKBOX MOUNTING HEIGHTS.
3. COORDINATE WITH ARCHITECT TO VERIFY ALL PROJECT SPECIFIC STANDARD DEVICE MOUNTING HEIGHTS PRIOR TO INSTALLATION. ARCHITECTURAL DRAWINGS TO TAKE PRECEDENCE OVER THE MOUNTING HEIGHTS LISTED IN THIS DETAIL.



2 TYPICAL DEVICE MOUNTING HEIGHT

E-701.00 SCALE: NTS



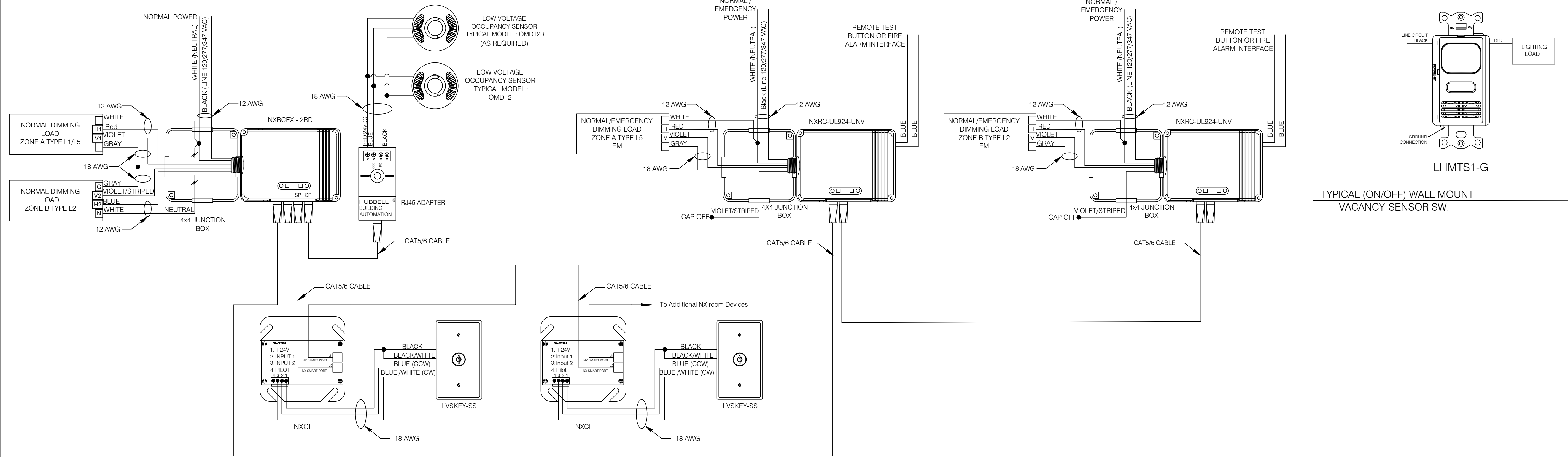
MEN'S 1011 / WOMEN'S 1044

ONE ZONE (0-10v) WITH CORNER MOUNT OCCUPANCY SENSOR, NXCI TO KEY SWITCH AND EM RELAY

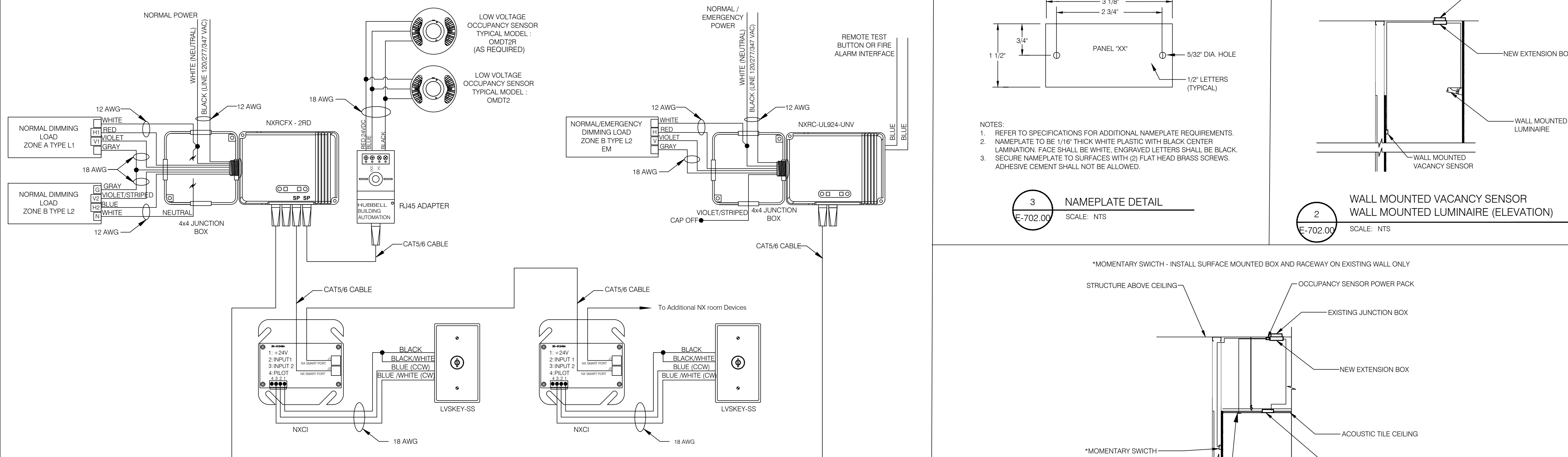
CONCEPT DRAWING NOTES:
CONTROL SYSTEM DRAWING IS PROVIDED FOR CONCEPTUAL PURPOSES ONLY AND IS NOT INTENDED FOR CONSTRUCTION. EXACT EQUIPMENT REQUIREMENTS, INCLUDING LOCATIONS AND QUANTITIES, SHOULD BE VERIFIED IN ACCORDANCE WITH THE MOST UP-TO-DATE LIGHTING/ELECTRICAL REFLECTED CEILING PLANS, LIGHTING FIXTURE SCHEDULES, PANEL SCHEDULES, CONTROL INTENT AND SPECIFICATIONS. SHADE EQUIPMENT SHOULD BE VERIFIED IN ACCORDANCE WITH ARCHITECTURAL PLANS, SPECIFICATIONS AND WINDOW SCHEDULES/DETAILS.

3 LIGHTING CONTROL WIRING DIAGRAM

E-701.00 SCALE: NTS

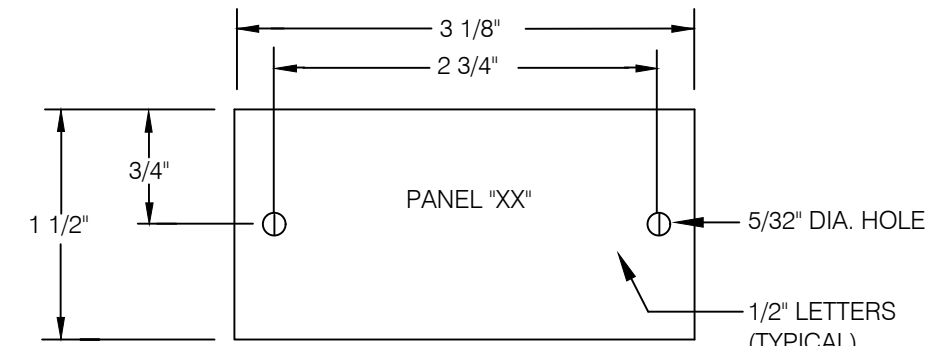


WOMEN'S 2012/ MEN'S 2013
TWO ZONE (0-10v) WITH CEILING MOUNT OCCUPANCY SENSOR

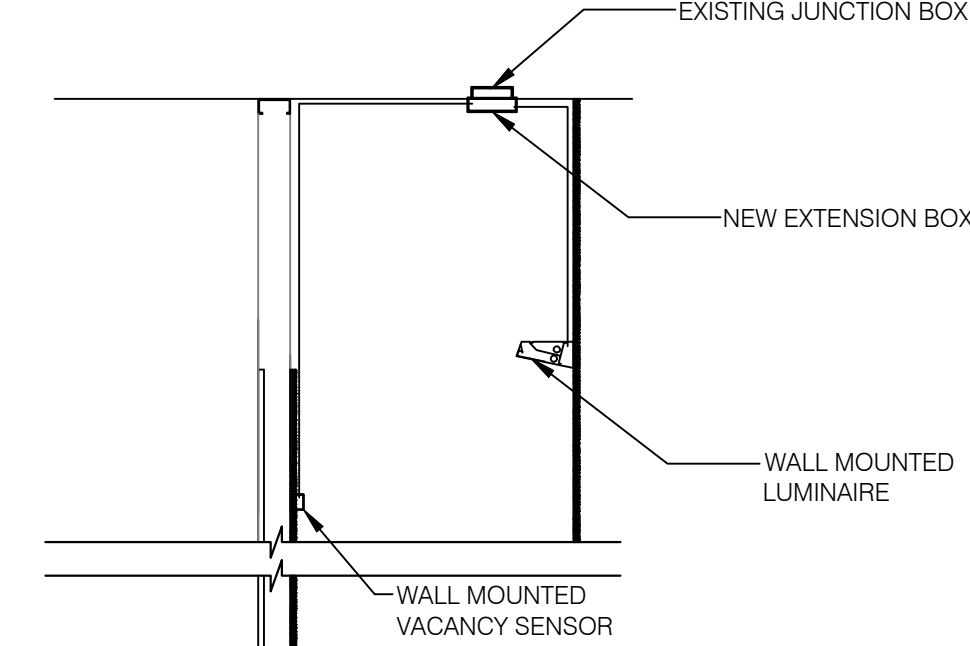


TYPICAL
TWO ZONE (0-10v) WITH CEILING MOUNT OCCUPANCY SENSOR

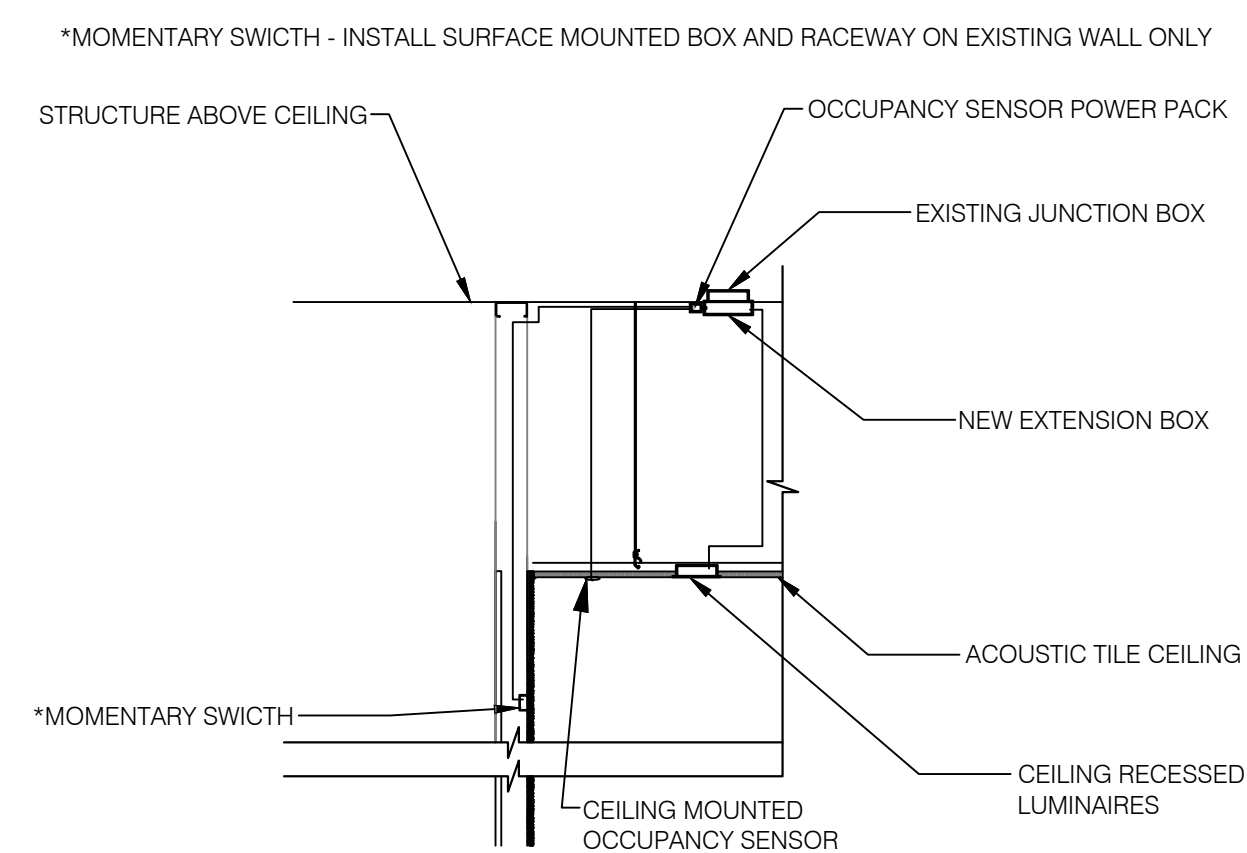
4 LIGHTING CONTROL WIRING DIAGRAM
E-702.00 SCALE: NTS



3 NAMEPLATE DETAIL
E-702.00 SCALE: NTS



2 WALL MOUNTED VACANCY SENSOR
WALL MOUNTED LUMINAIRE (ELEVATION)
E-702.00 SCALE: NTS



1 LIGHT SWITCH
CEILING MOUNTED OCCUPANCY SENSOR
CEILING RECESSED LUMINAIRE (ELEVATION)
E-702.00 SCALE: NTS

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Rev Date Issue
05 May 2022 Issue for Bid

ELECTRICAL DETAILS

Date 01-16-2020
Project No. 1944
Drawing By
CHK By
Scale AS NOTED
DOB Rev

E-702.00

GENERAL FIRE PROTECTION NOTES

1. AUTOMATIC SUPERVISED SPRINKLER SYSTEM SHALL BE DESIGNED AND INSTALLED THROUGHOUT THE SCOPE OF WORK AREA IN ACCORDANCE WITH THE CODES AND STANDARDS LISTED BELOW.

2. SPRINKLERS IN THE SCOPE OF WORK AREA SHALL BE REMOVED AND REPLACED WITH NEW TO ACCOMMODATE THE NEW ARCHITECTURAL LAYOUT IN ACCORDANCE WITH THE CODES AND STANDARDS LISTED BELOW. REFER TO ARCHITECTURAL DRAWINGS FOR COMPLETE SCOPE OF WORK.

3. IT IS THE INTENT OF THESE DOCUMENTS TO PROVIDE DESIGN, MATERIALS, AND EQUIPMENT FOR A FULLY FUNCTIONING AND OPERATING SPRINKLER SYSTEM, INCLUDING THE PROPER INTERFACE AND COORDINATION WITH MECHANICAL, ELECTRICAL, PLUMBING, ARCHITECTURAL, AND STRUCTURAL SYSTEMS.

4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS OF THE AUTHORITY HAVING JURISDICTION.

5. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE LOCATIONS OF SPRINKLERS AND SLOPED PIPING WITH LIGHTING FIXTURES, DIFFUSERS, DUCTWORKS, CLEARANCE REQUIRED FOR EQUIPMENT ACCESS, CONDUITS, PIPES, STRUCTURAL MEMBERS, AND ALL OTHER OBSTRUCTIONS FOR A CODE COMPLIANT COVERAGE IN ACCORDANCE WITH NFPA 13.

6. STRUCTURAL MEMBERS SHALL NOT BE CUT OR PENETRATED UNLESS APPROVED BY THE PROJECT ARCHITECT AND STRUCTURAL ENGINEER.

7. PIPING LAYOUTS, WHERE SHOWN, ARE DIAGRAMMATIC AND SHOWS SYSTEM INTENT ONLY. THE CONTRACTOR SHALL PROVIDE FINAL LAYOUT AND HYDRAULIC CALCULATIONS IN ACCORDANCE WITH THE STATE BUILDING CODE AND REFERENCED NFPA 13.

8. SPRINKLER PIPING SHALL BE INSTALLED SO THAT ALL PORTIONS OF THE SYSTEM CAN BE DRAINED THROUGH THE MAIN DRAIN VALVES FOR THE SYSTEM. WHERE TRAPPED SECTIONS OF PIPING CANNOT BE AVOIDED, AUXILIARY DRAINS SHALL BE PROVIDED IN ACCORDANCE WITH NFPA 13.

9. DO NOT INSTALL PIPING BELOW HVAC EQUIPMENT OR THAT INTERFERES WITH ANY TYPE OF ACCESS PANELS.

10. SPRINKLERS LOCATED IN AREAS EXPOSED TO STRUCTURE ABOVE SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 13 REQUIREMENTS FOR OBSTRUCTED OR UNOBSTRUCTED CONSTRUCTION CLASSIFICATIONS.

11. SPRINKLERS SHALL BE PROVIDED BELOW DUCTWORK OR EQUIPMENT GREATER THAN 4 FEET IN WIDTH AND COMPLY WITH ALL APPLICABLE OBSTRUCTION RULES OF NFPA 13.

12. WHERE CEILING TILES ARE PROVIDED, SPRINKLERS SHALL BE CENTERED IN CEILING TILES.

13. SPRINKLER GUARDS SHALL BE PROVIDED ON SPRINKLERS IN AREAS SUBJECT TO MECHANICAL DAMAGE AND ON SPRINKLERS LOCATED LESS THAN 7 FEET ABOVE FINISHED FLOOR.

14. PROVIDE ORDINARY TEMPERATURE SPRINKLERS IN ALL AREAS EXCEPT WHERE INTERMEDIATE OR HIGH TEMPERATURE SPRINKLERS ARE SPECIFICALLY REQUIRED BY NFPA 13.

15. SPRINKLERS THAT HAVE BEEN PAINTED OVER WITH PAINT FROM OTHER THAN THE SPRINKLER MANUFACTURER SHALL BE REPLACED WITH NEW.

16. ALL PIPING SHALL BE HYDROSTATICALLY TESTED IN ACCORDANCE WITH NFPA 13.

DESIGN CRITERIA

SPRINKLER SYSTEM SHALL BE DESIGNED IN ACCORDANCE WITH NFPA 13 HAZARD CLASSIFICATIONS AND THEIR CORRESPONDING DESIGN DENSITY, DESIGN AREA, AND HOSE STREAM REQUIREMENTS. PIPE SCHEDULE METHOD IS NOT PERMITTED TO BE USED. MINIMUM SAFETY FACTOR OF 10 PSI SHALL BE PROVIDED.

1. LIGHT HAZARD: HALLWAY, ALL GENDER, MEN'S, WOMEN'S RESTROOM AND SIMILAR SPACES SHALL BE DESIGNED USING 0.1 GPM/SF OVER 1500 SQUARE FEET WITH 100 GPM HOSE STREAM. MAXIMUM SPRINKLER PROTECTION AREA SHALL NOT EXCEED 225 SQUARE FEET.

FIRE PROTECTION REMOVALS NOTES

1. REFER TO ARCHITECTURAL DEMOLITION DRAWINGS FOR FULL EXTENT OF DEMOLITION SCOPE OF WORK.

2. CONTRACTOR IS STRONGLY ENCOURAGED TO VISIT THE SITE AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS AND SCOPE OF WORK PRIOR TO SUBMITTING BIDS.

3. EXISTING CONDITIONS, WHERE SHOWN, IS BASED ON AVAILABLE AS-BUILT DOCUMENTATION FROM THE OWNER AND SITE SURVEYS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AS ACTUAL CONDITIONS MAY VARY.

4. EXISTING FIRE PROTECTION SYSTEM COMPONENTS IN THE SCOPE OF WORK AREA THAT ARE FOUND TO BE DAMAGED OR NOT IN REUSABLE CONDITION SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND REPLACED WITH NEW.

5. CONTRACTOR SHALL COORDINATE ALL REMOVAL, DISPOSAL, AND STORAGE OF EXISTING EQUIPMENT WITH THE OWNER.

6. SHUTDOWN OF SPRINKLER SYSTEM TO PERFORM REQUIRED WORK SHALL BE KEPT TO A MINIMUM AND COORDINATED WITH THE OWNER AT LEAST THREE DAYS IN ADVANCE. SPRINKLER SYSTEM SHALL NOT BE SHUTDOWN WITHOUT OWNER APPROVAL.

7. EXISTING SPRINKLER SYSTEMS LOCATED OUTSIDE OF THE WORK AREA SHALL NOT BE AFFECTED AND REMAIN FULLY OPERATIONAL DURING THE COURSE OF THE RENOVATION. WHERE THIS CANNOT BE AVOIDED, EMPORARY FIRE PROTECTION MEASURES SHALL BE PROVIDED IN THE AFFECTED AREAS IN THE FORM STRATEGICALLY LOCATED TEMPORARY CONTROL VALVES, APPROVED FIRE WATCH OR OTHER APPROVED METHODS ACCEPTABLE TO THE AHJ.

CODES AND STANDARDS

2020NYS BUILDING CODE

2020NYS EXISTING BUILDING CODE

2020NYS FIRE CODE

NFPA 13STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS, 2016

SPRINKLER LEGEND

SYMBOL	MODEL	K FACTOR	TYPE	ORFICE	RESPONSE	FINISH	TEMP.
	VICTAULIC V3801	5.6	CONCEALED	1/2"	QUICK	BRASS	155° F

PIPE FITTINGS

ECCENTRIC

CONCENTRIC

CAPPED CONNECTION

PIPE UNION

ELBOW TURNED UP

ELBOW TURNED DOWN

TEE DOWN

SHUT-OFF VALVE IN RISER

PIPE WITH HEAT TRACE

ANNOTATIONS

FIRE RISER DESIGNATION

REVISION NUMBER

POINT OF DEMOLITION

POINT OF CONNECTION

DETAIL ANNOTATIONS

2

DETAIL NUMBER

FP7.01

WHERE THE DETAIL IS DRAWN

2

DETAIL NUMBER

FP7.01

WHERE THE DETAIL IS DRAWN

FP1.01

WHERE THE DETAIL REFERENCED

SYMBOLS

PIPE REPRESENTATION

FIRE PROTECTION PIPING

PIPE VALVES AND ACCESSORIES

BUTTERFLY VALVE W/ TAMPER SWITCH

OS&Y VALVE W/ TAMPER SWITCH

DOUBLE CHECK VALVE / DETECTOR BACKFLOW PREVENTER (ASSE 1015, 1048)

BALL VALVE

CHECK VALVE

PRESSURE REDUCING VALVE

FLOW SWITCH

STRAINER

NOTE: ALL SYMBOLS MAY NOT APPEAR ON THE DRAWINGS.

ABBREVIATIONS

AAV
ABV
AD
AFF
AHJ
AP
ARCH
ASME

ASPE
ASSE

AUTO AIR VENT ABOVE
AREA DRAIN ABOVE FINISHED FLOOR
AUTHORITY HAVING JURISDICTION
ACCESS PANEL
ARCHITECTURAL
AMERICAN SOCIETY OF MECHANICAL ENGINEERS
AMERICAN SOCIETY OF PLUMBING ENGINEERS
AMERICAN SOCIETY OF SANITARY ENGINEERS

BLDG
BLW

CFM
CLG
CONN
CONT
CW

D
DCWASA
DIA
DN
DWG

E
EA
EQUIP
ETR

F
FD
FDC
FHC
FHV
FL
FCB
FOT
FS
FT

GAL
GPM

HDPE
HP

IN
INV

KW

MAX
MECH
MFR
MIN
MTD

AUTO AIR VENT ABOVE
AREA DRAIN ABOVE FINISHED FLOOR
AUTHORITY HAVING JURISDICTION
ACCESS PANEL
ARCHITECTURAL
AMERICAN SOCIETY OF MECHANICAL ENGINEERS
AMERICAN SOCIETY OF PLUMBING ENGINEERS
AMERICAN SOCIETY OF SANITARY ENGINEERS

BUILDING BELOW

CUBIC FEET PER MINUTE
CEILING CONNECTION
CONTINUATION
COLD WATER

DEMOLISH / REMOVAL
D.C. WATER AND SEWER AUTHORITY
DIAMETER
DOWN
DRAWING

EXISTING
EACH
EQUIPMENT
EXISTING TO REMAIN

FIRE
FLOOR DRAIN
FIRE DEPARTMENT CONNECTION
FIRE HOSE CABINET
FIRE HOSE VALVE
FLOOR
FLAT ON BOTTOM
FLAT ON TOP
FLOW SWITCH
FEET

GALLON
GALLONS PER MINUTE

HIGH DENSITY POLYETHYLENE
HORSE POWER

INCH
INVERT

KILOWATT

MAXIMUM
MECHANICAL
MANUFACTURER
MINIMUM
MOUNTED

N
NFPA

NIC
NO.

OS&Y

P
PH
PRV
PSI

RPM

SAN
SF
SS
STP
STRUC

TDA
TEMP
TYP

W
WM
WTR
W/
W/O

NEW
NATIONAL FIRE PROTECTION ASSOCIATION
NOT IN CONTRACT
NUMBER

OUTSIDE STEM AND YOLK

PUMP
PHASE (ELECTRICAL)
PRESSURE REDUCING VALVE
POUNDS PER SQUARE INCH

REVOLUTIONS PER MINUTE

SANITARY/WASTE PIPE
SQUARE FEET
STAINLESS STEEL
STANDPIPE
STRUCTURAL

TEST AND DRAIN ASSEMBLY
TEMPERATURE
TYPICAL

WATT
WATER METER
WATER
WITH
WITHOUT

NOTE: ALL ABBREVIATIONS MAY NOT APPEAR ON THE DRAWINGS.

FIRE PROTECTION DRAWING LIST

SHEET	DRAWING	TITLE
1	F-001.00	GENERAL NOTES, SYMBOLS & ABBREVIATIONS
2	F-101.00	MUSIC BUILDING - FIRE PROTECTION PLANS
3	F-701.00	FIRE PROTECTION DETAILS

RESTROOM RENOVATION
PURCHASE COLLEGE
STATE UNIVERSITY OF NEW YORK

735 Anderson Hill Rd.
Purchase, NY 10577

PHASE 2:
MUSIC BUILDING
DANCE BUILDING
PHYS. ED. BUILDING
LIBRARY

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Rev

Date

Issue

05 May 2022

Issue for Bid

Title

GENERAL NOTES,
SYMBOLS &
ABBREVIATIONS

Date

01-16-2020

Project No.

1944

Drawing By

CHS

CHK By

KB

Scale

AS NOTED

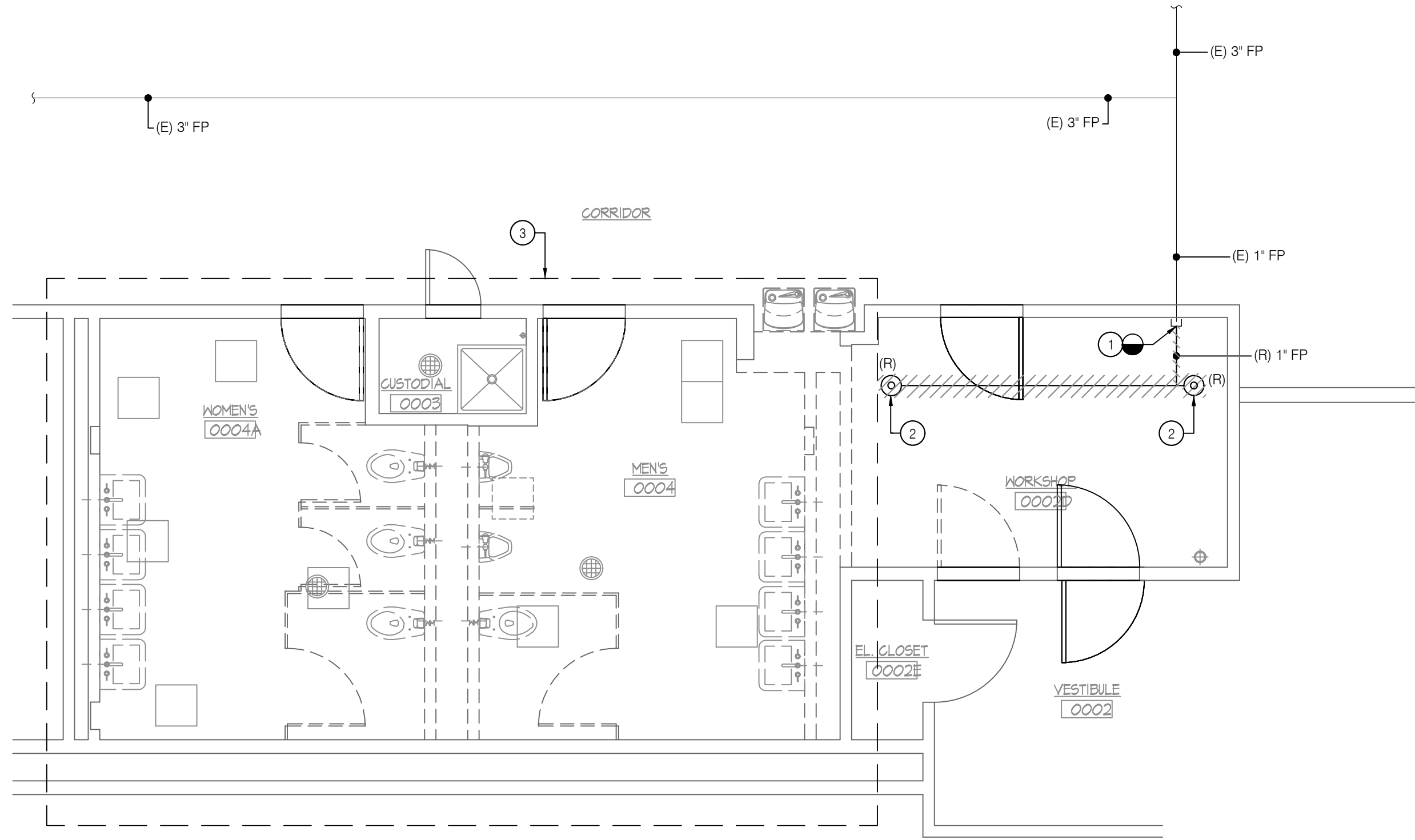
DOB Rev

F-001.00

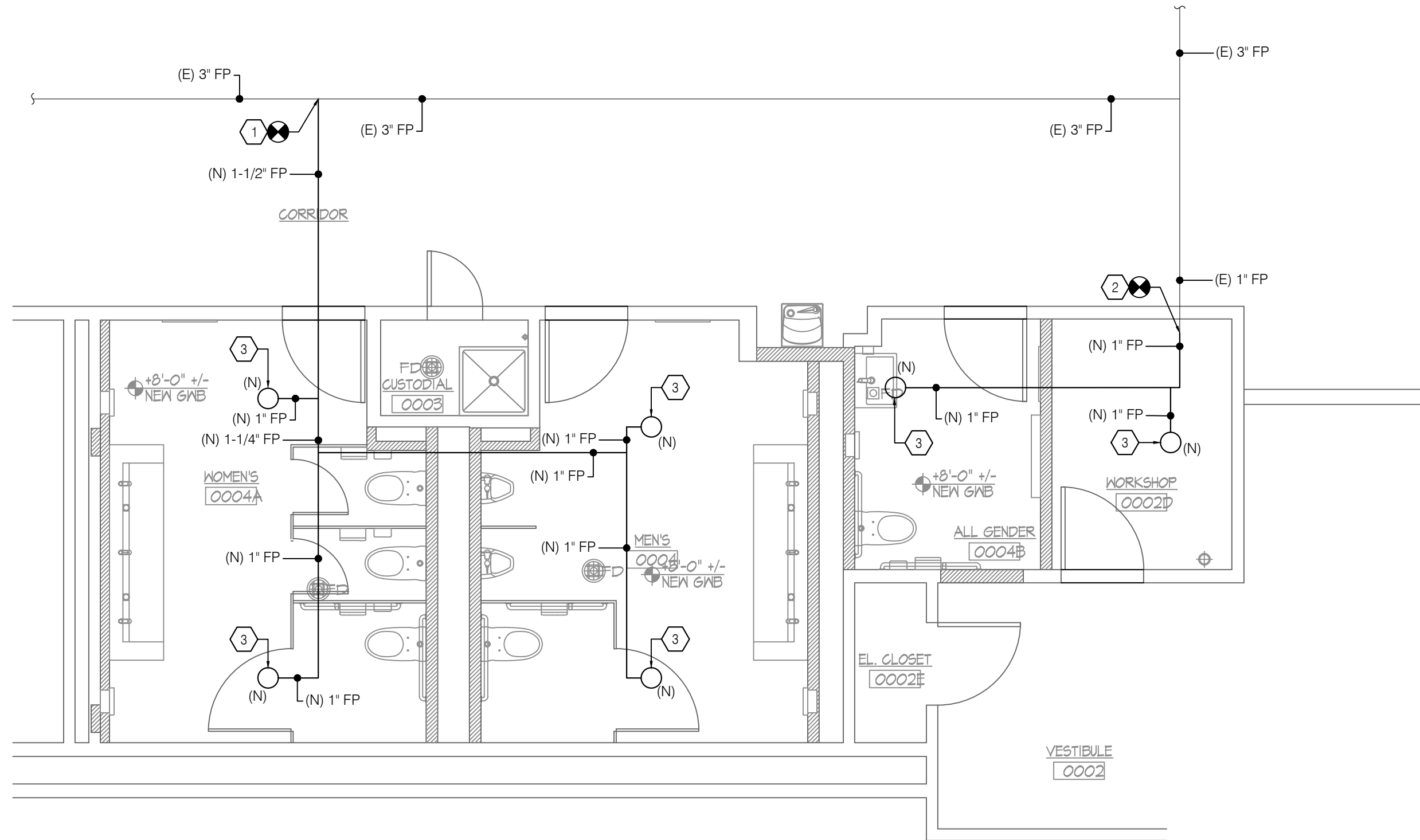
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Original drawing size is 24"x36"; Scale entities accordingly if reduced/enlarged.

F SHEET 01 OF 03



1 BASEMENT LEVEL PLAN - FIRE PROTECTION REMOVALS
SCALE: 1/4" = 1'-0"



2 BASEMENT LEVEL PLAN - FIRE PROTECTION NEW WORK
SCALE: 1/4" = 1'-0"

DEMOLITION KEY NOTES

1. CUT AND CAP EXISTING 1" FP PIPE AT THIS LOCATION.

2. REMOVE EXISTING SPRINKLER HEAD.

3. NO EXISTING SPRINKLER IN THIS AREA.

SHEET KEY NOTES

1. CONNECT NEW 1-1/2" SPRINKLER PIPE TO EXISTING 3" SPRINKLER PIPE.

2. CONNECT NEW 1" SPRINKLER PIPE TO EXISTING 1" SPRINKLER PIPE.

3. CONCEALED SPRINKLER HEAD.

SPRINKLER LEGEND								
SYMBOL	MODEL	K FACTOR	TYPE	ORFICE	RESPONSE	FINISH	TEMP.	QTY.
	VICTAULIC V3801	5.6	CONCEALED	1/2"	QUICK	BRASS	155° F	6

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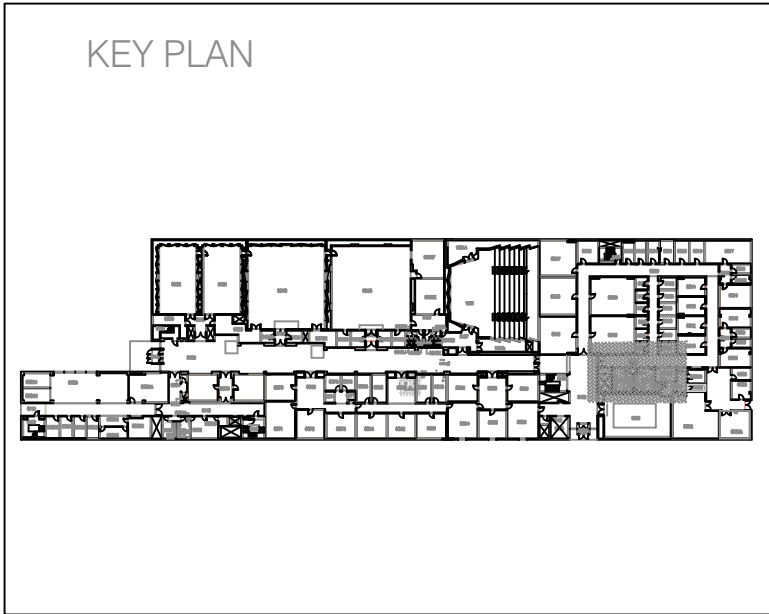
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MEP Engineer

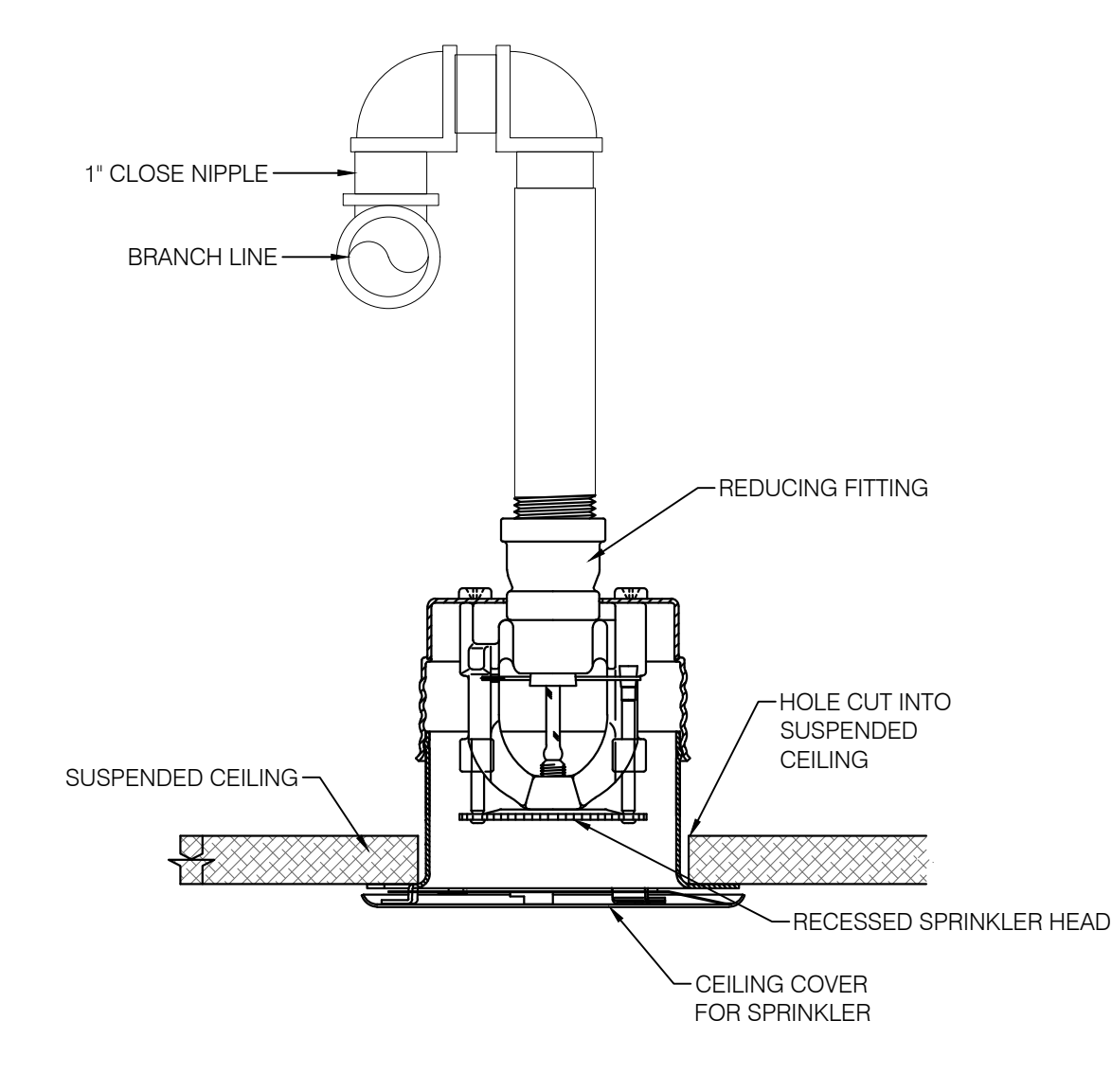
SETTY & Associates, Ltd
149 W 36th Street, 8th floor
New York, NY 10018
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F 646 224 8497

Rev	Date	Issue
05 May 2022	Issue for Bid	



MUSIC BUILDING - FIRE PROTECTION PLANS

Date	01-16-2020
Project No.	1944
Drawing By	CHS
CHK By	KB
Scale	AS NOTED
DOB Rev	
F-101.00	

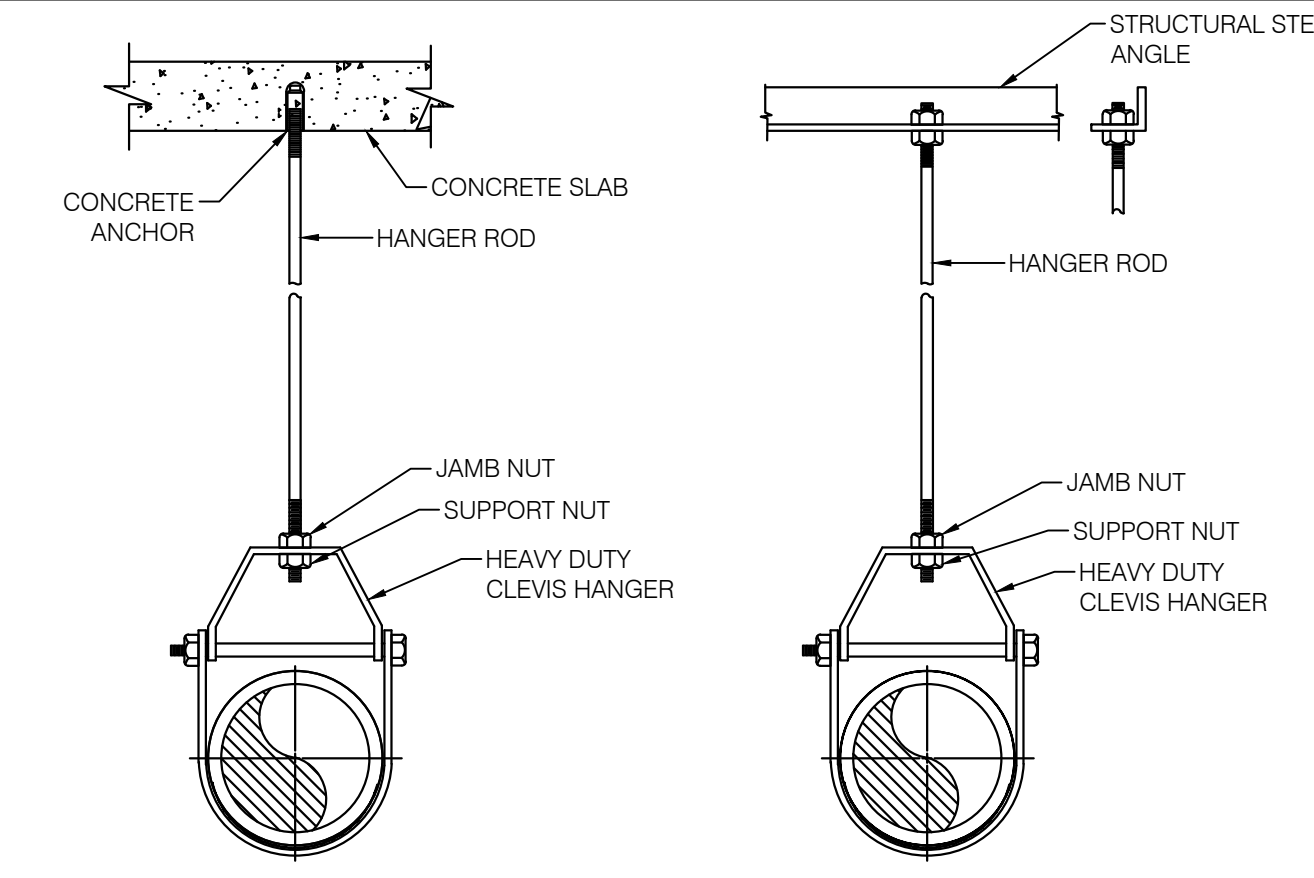


3

CONCEALED SPRINKLER DETAIL

F-701.00

SCALE: NOT TO SCALE



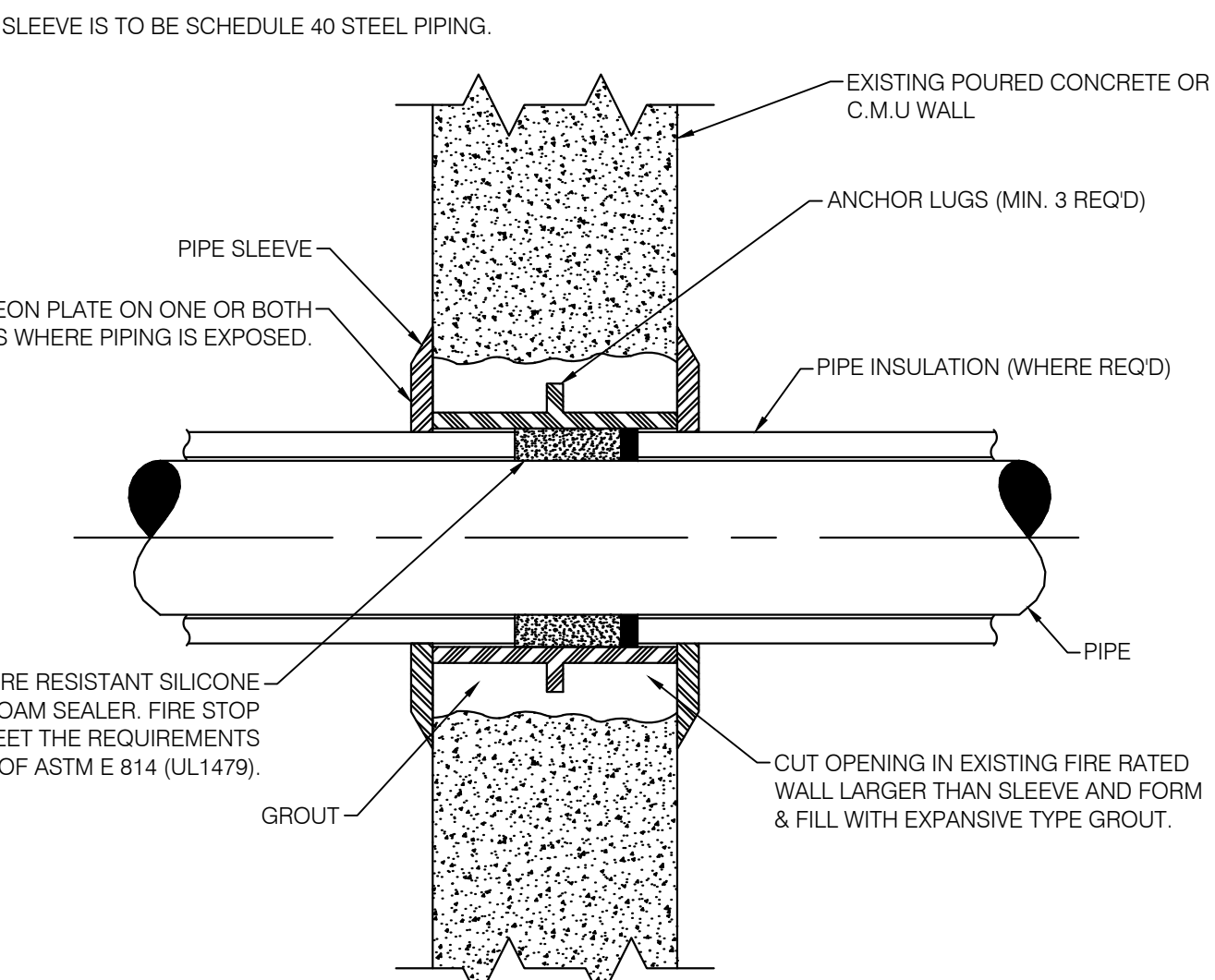
MAXIMUM DISTANCE BETWEEN HANGERS (FEET - INCHES)											
NOMINAL PIPE SIZE (IN INCHES)											
	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	5	6	8
STEEL PIPE EXCEPT THREADED LIGHT WALL	12 - 0	12 - 0	15 - 0	15 - 0	15 - 0	15 - 0	15 - 0	15 - 0	15 - 0	15 - 0	15 - 0
THREADED LIGHTWALL STEEL PIPE	12 - 0	12 - 0	12 - 0	12 - 0	12 - 0	12 - 0	N/A	N/A	N/A	N/A	N/A

2

PIPE SUPPORT DETAIL

F-701.00

SCALE: NOT TO SCALE



NOTE:
1. PIPING SLEEVE IS TO BE SCHEDULE 40 STEEL PIPING.

1

PIPE PENETRATION THROUGH FIRE RATED WALL

F-701.00

SCALE: NOT TO SCALE

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Rev

Date

Issue

05 May 2022

Issue for Bid

Title

FIRE PROTECTION DETAILS

Date

01-16-2020

Project No.

1944

Drawing By

CHS

CHK By

KB

Scale

AS NOTED

DOB Rev

F-701.00

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F SHEET 03 OF 03