

COLLBRAN CONGREGATIONAL CHURCH

ADA RENOVATIONS

2003 HIGH STREET, COLLBRAN, CO 81624

BG+co. PROJECT # 2075

01/15/2021 DESIGN DEVELOPMENT
04/07/2021 CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

ARCHITECTURAL / MECHANICAL / PLUMBING / ELECTRICAL

PROJECT DESIGN TEAM

ARCHITECTURE:



Architecture
Interior Design
Project Management
BLYTHE GROUP + co.

MECHANICAL, PLUMBING AND ELECTRICAL ENGINEERING:

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COLLBRAN CONGREGATIONAL
CHURCH ADA RENOVATIONS

2003 HIGH STREET
COLLBRAN CO 81624

TITLE SHEET

FOR CONSTRUCTION

REV. DESC. DATE:

DATE: 04/07/21

PROJECT #: 2075

SHEET #:

G0-1

MATERIALS LEGEND

- EXISTING CONSTRUCTION
- ASPHALT PAVING (SECTION)
- EARTH (PLAN & SECTION)
- GRANULAR FILL (SECTION)
- STRUCTURAL FILL (SECTION)
- SAND (SECTION)
- CONCRETE (PLAN & SECTION)
- BRICK VENEER (SECTION)
- CONCRETE MASONRY UNITS (CMU) (PLAN & SECTION)
- PRECAST CONCRETE (SECTION)
- MORTAR NET (SECTION)
- STEEL (SECTION)
- WOOD BLOCKING (CONTINUOUS) (SECTION)
- WOOD BLOCKING (INTERMITTENT) (SECTION)
- WOOD SHEATHING
- WOOD (FINISH) (SECTION & ELEVATION)
- INSULATION (FIBROUS) (PLAN & SECTION)
- INSULATION (RIGID) (PLAN & SECTION)
- STUCCO (SECTION)
- STUCCO (ELEVATION)
- GYPSUM WALL BOARD (GWB) (REFLECTED CEILING PLAN)

NOTE: SOME MATERIALS SHOWN MAY NOT BE USED ON THIS PROJECT.

SYMBOLS LEGEND

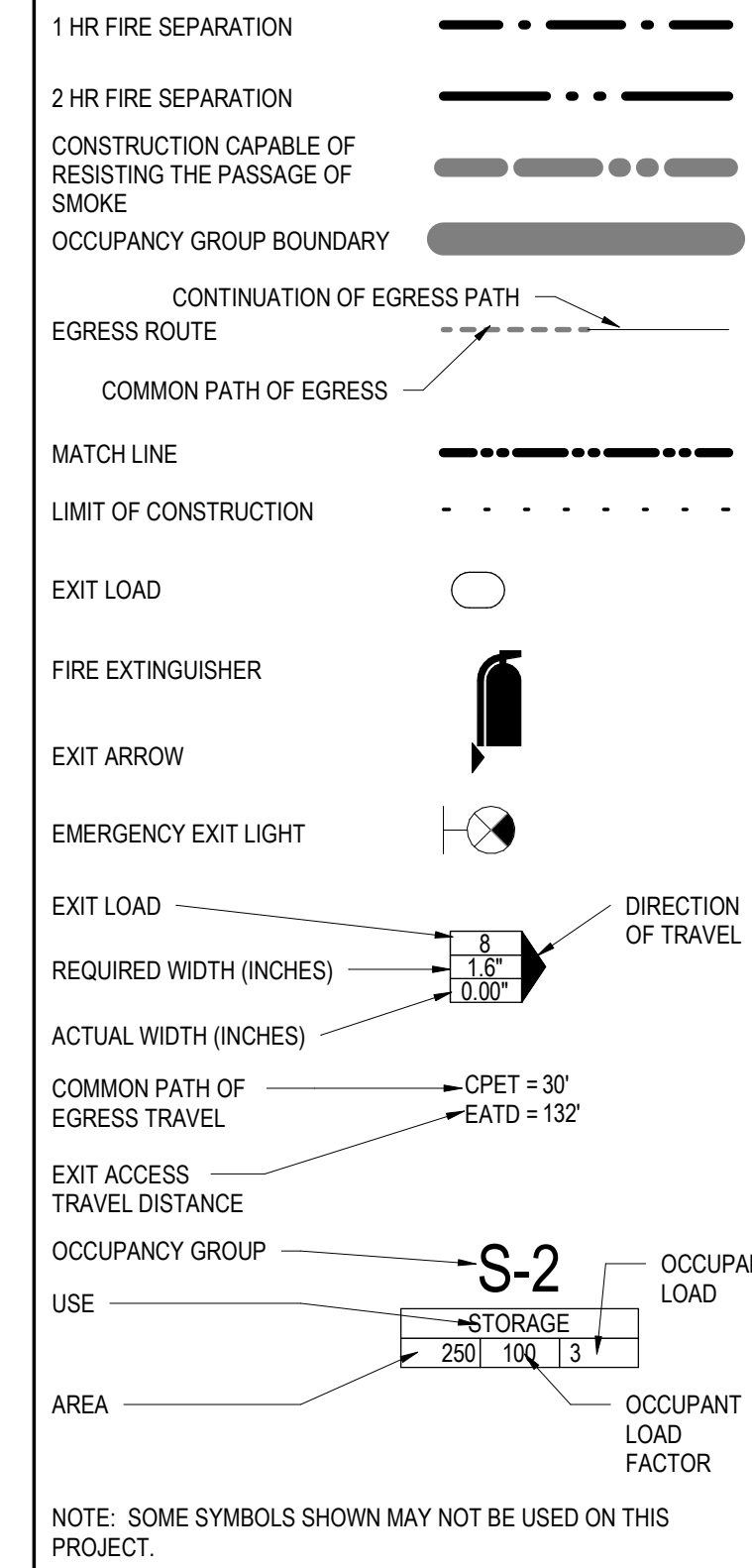
- ROOM TAG ROOM NAME
- DOOR TAG DOOR NAME
- ASSEMBLY TAG ASSEMBLY TAG
- NEW COLUMN GRID LINE GRID LINE
- EXISTING COLUMN GRIDLINE GRID LINE
- KEY NOTE KEY NOTE
- WINDOW / FRAME TYPE WINDOW / FRAME TYPE
- DRAWING REFERENCE DRAWING REFERENCE
- BUILDING SECTION INDICATOR BUILDING SECTION INDICATOR
- WALL SECTION INDICATOR WALL SECTION INDICATOR
- SIGN TAG SIGN TAG
- ELEVATION INDICATOR ELEVATION INDICATOR
- DIMENSION LINES DIMENSION LINES
- NEW CONTOUR NEW CONTOUR
- EXISTING CONTOUR EXISTING CONTOUR
- HIDDEN LINE HIDDEN LINE
- OVERHEAD OBJECT OVERHEAD OBJECT
- CENTER LINE CENTER LINE
- MATCH LINE MATCH LINE
- LIMITS OF CONSTRUCTION LIMITS OF CONSTRUCTION
- DEMOLISHED ITEMS DEMOLISHED ITEMS

ABBREVIATIONS

- | | | | | | |
|---------|-------------------------------|--------|--|------|------------------------|
| ADD-X | ADDENDUM NO. X | HVAC | HEATING VENTILATING & AIR CONDITIONING | UNO | UNLESS NOTED OTHERWISE |
| AFF | ABOVE FINISH FLOOR | ID | INSIDE DIAMETER | VCT | VINYL COMPOSITION TILE |
| AHU | AIR HANDLING UNIT | ILLUM | ILLUMINATED | VERT | VERTICAL |
| AL | ALUMINUM | INCL | INCLUDED | VFY | VERIFY |
| ALT | ALTERNATE | INCL | INCLUDED | VIF | VERIFY IN FIELD |
| ALT-X | ALTERNATE NO. X | INSUL | INSULATION | VWC | VINYL WALL COVERING |
| AM | ACOUSTIC MATERIAL | INT | INTERIOR | W | WIDE / WIDTH |
| AM-X | ACOUSTIC MATERIAL TYPE X | JT | JOINT | W/ | WITH |
| ARCH | ARCHITECT / ARCHITECTURAL | L | LONG / LENGTH | W/O | WITHOUT |
| ATTEN | ATTENUATION | LAV | LAVATORY | WD | WOOD |
| AVE | AVENUE | LLH | LONG LEG HORIZONTAL | WOM | WALK OFF MAT |
| AVG | AVERAGE | LLV | LONG LEG VERTICAL | | |
| B.O. | BOTTOM OF | MAS | MASONRY | | |
| BIT | BITUMINOUS | MATL | MATERIAL | | |
| BLDG | BUILDING | MAX | MAXIMUM | | |
| BLKG | BLOCKING | MECH | MECHANICAL | | |
| CL | CENTER LINE | MFR | MANUFACTURER | | |
| CEM | CEMENT / CEMENTITIOUS | MIN | MINIMUM | | |
| CJ | CONTROL JOINT | MISC | MISCELLANEOUS | | |
| CLG | CEILING | MO | MASONRY OPENING | | |
| CLR | CLEAR | MTD | MOUNTED | | |
| CMU | CONCRETE MASONRY UNIT(S) | MTL | METAL | | |
| CONC | CONCRETE | NA | NOT APPLICABLE | | |
| CONT | CONTINUOUS | NIC | NOT IN CONTRACT | | |
| CPT | CARPET | NO. | NUMBER | | |
| CT | CERAMIC TILE | NRC | NOISE REDUCTION COEFFICIENT | | |
| CTR | CENTER | NTS | NOT TO SCALE | | |
| D | DEEP / DEPTH | OC | ON CENTER | | |
| DBL | DOUBLE | OD | OUTSIDE DIAMETER | | |
| DEMO | DEMOLISH / DEMOLITION | OPNG | OPENING | | |
| DEPT | DEPARTMENT | OPP | OPPOSITE | | |
| DF | DRINKING FOUNTAIN | PERF | PERFORATED | | |
| DIA / Ø | DIAMETER | PLAM | PLASTIC LAMINATE | | |
| DIM(S) | DIMENSION(S) | PLBG | PLUMBING | | |
| DN | DOWN | PLYWD | PLYWOOD | | |
| DTL | DETAIL | PNT | PAINT | | |
| DW | DISHWASHER | PREFAB | PREFABRICATED | | |
| DWG | DRAWING | PREFIN | PREFINISHED | | |
| EA | EACH | PT | PORCELAIN TILE | | |
| EJ | EXPANSION JOINT | QT | QUARRY TILE | | |
| EL | ELEVATION | QTY | QUANTITY | | |
| ELEC | ELECTRICAL | R | RADIUS | | |
| EQ | EQUAL | RB | RUBBER BASE | | |
| EQUIP | EQUIPMENT | RCP | REFLECTED CEILING PLAN | | |
| EWC | ELECTRIC WATER COOLER | REF | REFERENCE / REFER TO | | |
| EXIST | EXISTING | REFR | REFRIGERATOR | | |
| EXT | EXTERIOR | REINF | REINFORCE (D) (ING) | | |
| F.O. | FACE OF | REQD | REQUIRED | | |
| FAAB | FLUID APPLIED AIR BARRIER | RES | RESILIENT | | |
| FAAP | FIRE ALARM ANNUNCIATOR PANEL | RFS | ROOM FINISH SCHEDULE | | |
| FACP | FIRE ALARM CONTROL PANEL | RO | ROUGH OPENING | | |
| FBO | FURNISHED BY OWNER | ROW | RIGHT OF WAY | | |
| FD | FLOOR DRAIN | RTU | ROOF TOP UNIT | | |
| FDN | FOUNDATION | SC | SEALED CONCRETE | | |
| FE | FIRE EXTINGUISHER | SCHED | SCHEDULE (D) | | |
| FEC | FIRE EXTINGUISHER CABINET | SECT | SECTION | | |
| FF | FINISHED FLOOR | SF | SQUARE FEET | | |
| FRP | FIBERGLASS REINFORCED PLASTIC | SFT | STORE FRONT | | |
| FTG | FOOTING | SIM | SIMILAR | | |
| FURN | FURNISHING / FURNITURE | SPEC | SPECIFICATION | | |
| GA | GAGE | SQ | SQUARE | | |
| GALV | GALVANIZED | SS | STAINLESS STEEL | | |
| GL | GLAZING | SSM | SOLID SURFACE MATERIAL | | |
| GL-X | GLAZING TYPE X | STL | STEEL | | |
| GWB | GYPSUM WALL BOARD | STN | STAIN | | |
| H | HIGH / HEIGHT | STRUCT | STRUCTURAL | | |
| HC | HANDICAPPED | T&G | TONGUE & GROOVE | | |
| HDW | HARDWARE | T.O. | TOP OF | | |
| HDWD | HARDWOOD | TEMP | TEMPORARY | | |
| HM | HOLLOW METAL | TV | TELEVISION | | |
| HORIZ | HORIZONTAL | TYP | TYPICAL | | |

VICINITY MAP





SCOPE OF WORK SUMMARY

THIS PROJECT WILL NOT CHANGE THE CURRENT OCCUPANCY CLASSIFICATION, BUILDING HEIGHTS OR AREA, TYPE OF CONSTRUCTION, FIRE AND SMOKE PROTECTION, OCCUPANT LOAD, EGRESS REQUIREMENTS, EGRESS PATHS, OR ENERGY COMPLIANCE.

THE PROJECT IS LIMITED TO THE FOLLOWING SCOPE OF WORK:

- REPLACEMENT OF INTERIOR FINISHES, PLUMBING FIXTURES, AND RELOCATION OF LIGHTING AND ADDITION OF MECHANICAL EXHAUST FANS IN 3 RESTROOMS.
 - REPLACEMENT OF INTERIOR FINISHES AND PLUMBING FIXTURES (PERMITS ARE NOT REQUIRED PER IBC 2018 SECTION 105.2.7).
 - RELOCATION OF LIGHTING AND ADDITION OF MECHANICAL EXHAUST FANS IS GOVERNED BY CURRENT ELECTRICAL AND MECHANICAL CODES.
- REPLACEMENT OF INTERIOR FINISHES IN ONE HALLWAY. (PERMITS ARE NOT REQUIRED PER IBC 2018 SECTION 105.2.7).
- ADDITION OF CASEWORK INCLUDING A SINK AND RELOCATION / ADDITION OF ELECTRICAL OUTLETS.
 - CASEWORK (PERMITS ARE NOT REQUIRED PER IBC 2018 SECTION 105.2.7).
 - PLUMBING AND ELECTRICAL IS GOVERNED BY CURRENT ELECTRICAL AND MECHANICAL CODES.
- RECONFIGURATION OF 1 RESTROOM TO PROVIDE A UNI-SEX RESTROOM MEETING CURRENT ACCESSIBILITY REQUIREMENTS. THIS WORK IS GOVERNED BY THE 2018 IEBC PRESCRIPTIVE COMPLIANCE METHOD FOR ALTERATIONS (SECTION 903).

STATEMENT OF SPECIAL INSPECTIONS

GENERAL
The International Building Code requires that special inspections be performed to verify that the materials and construction methods used comply with the construction documents and applicable standards.

MINIMUM REQUIRED SPECIAL INSPECTIONS
NONE REQUIRED FOR THE SCOPE OF WORK

BUILDING CODE ANALYSIS

CODE JURISDICTION:
2018 IEBC (PRESCRIPTIVE COMPLIANCE)

OCCUPANCY:
A-3; B (UNCHANGED)

OCCUPANT LOADS:
A-3 = 365; B = 6 (UNCHANGED)

CONSTRUCTION TYPE:
CONSTRUCTION TYPICAL OF TYPE V-B. (UNCHANGED)

AUTOMATIC SPRINKLER SYSTEM:
IS NOT PROVIDED (UNCHANGED)

BUILDING AREA:
ACTUAL TOTAL BUILDING: 7,123 SF - FIRST FLOOR (UNCHANGED)
4,550 SF - LOWER LEVEL (UNCHANGED)
ALLOWED (IBC 506.1) 9,129 SF - PER FLOOR WITH FRONTAGE INCREASE

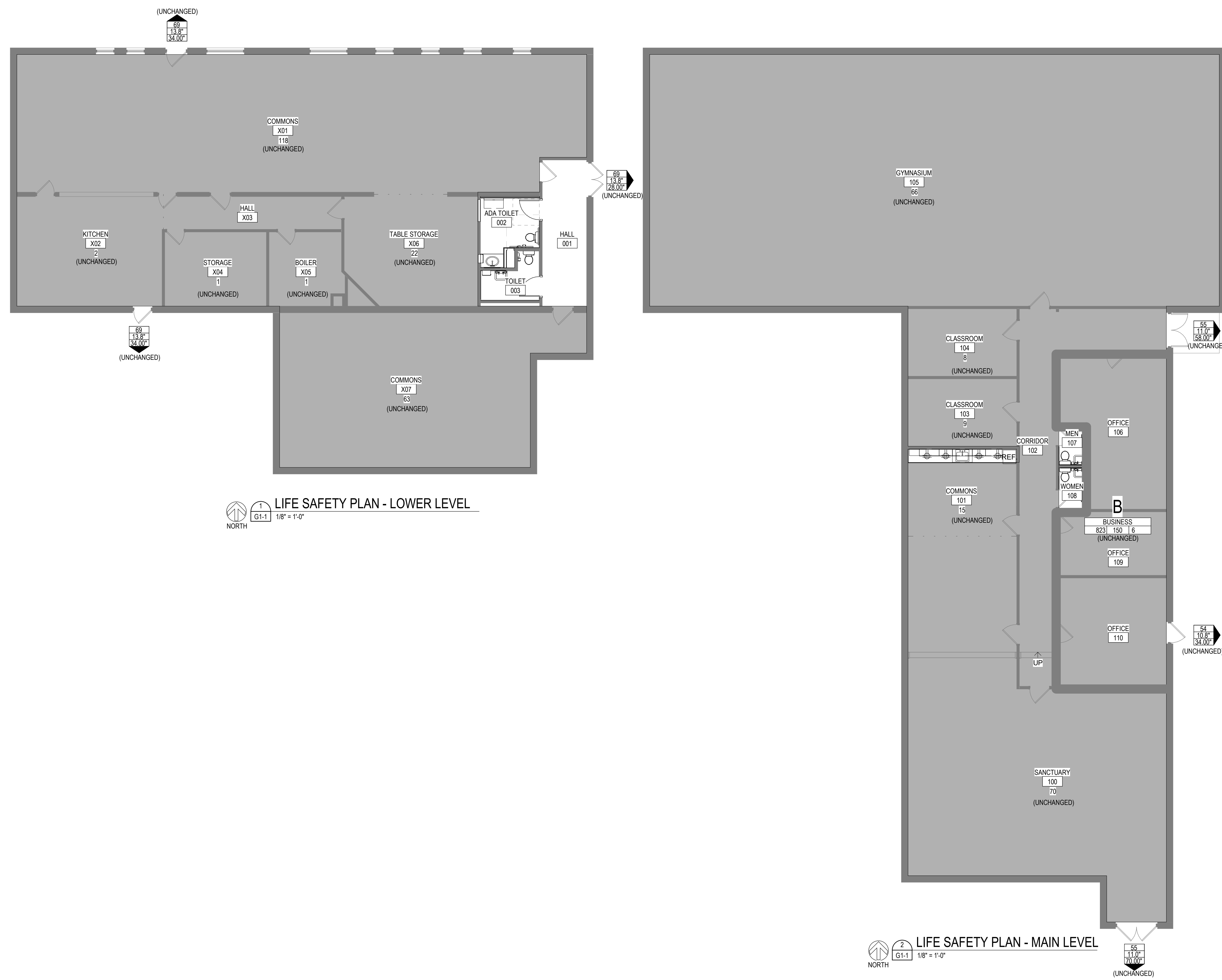
BUILDING HEIGHT:
ACTUAL HEIGHT: 22 +/- AFF. 1 STORY (UNCHANGED)
ALLOWABLE HEIGHT: 40' ABOVE GRADE PLANE 1 STORY (IBC 504)

FIRE RESISTANCE RATING REQUIREMENTS:
(FOR TYPE V-B CONSTRUCTION) (IBC TABLE 601)
STRUCTURAL FRAME: 0 HRS
BEARING WALLS, EXTERIOR: 0 HRS
BEARING WALLS, INTERIOR: 0 HRS
NON-BEARING WALLS, EXTERIOR: 0 HRS*
*1 HR IF < 10 FT FIRE SEPARATION DISTANCE (IBC TABLE 602)
NON-BEARING WALLS, INTERIOR: 0 HRS
FLOOR CONSTRUCTION: 0 HRS
ROOF CONSTRUCTION: 0 HRS

EXIT TRAVEL DISTANCE:
FOR A-3 AND B OCCUPANCY:
COMMON PATH OF EGRESS TRAVEL: 75 FT WITHOUT SPRINKLER SYSTEM, IBC TABLE 1006.2.1
EXIT ACCESS TRAVEL DISTANCE: 200 FT WITHOUT SPRINKLER SYSTEM, IBC TABLE 1017.2

PLUMBING FIXTURE COUNT: (UNCHANGED)

OCCUPANCY TYPE	OCC LD	MEN	WOMEN	WC'S REQ'D	LAV REQ'D	DF REQ'D	SS REQ'D
ASSEMBLY (A-3)	365	182	183	1.2/2.4/0	0.9/1.2/0	1	1
BUSINESS (B)	6	3	3	0.1/0.1/0	0.1/0.1/0	1	1
TOTAL REQUIRED (M/W/U)		2/3/0	1/2/0	1	1		
TOTAL PROVIDED (M/W/U)		1/2/1	1/2/1	1	1		



LIFE SAFETY PLAN - LOWER LEVEL
1 G1-1 1/8" = 1'-0"
NORTH

LIFE SAFETY PLAN - MAIN LEVEL
2 G1-1 1/8" = 1'-0"
NORTH

KEYNOTE LEGEND	
02-2	COAT HOOKS TO REMAIN
08-1	NEW 5 PANEL DOOR IN EXISTING FRAME
08-1	2X2 FURRING AND GWB FLOOR TO CEILING
09-2	INFILL DOOR OPENING WITH STUDS AND GWB
09-3	STUD AND GWB PARTITION
09-4	RE-INSTALL SALVAGED WOOD CEILING PANELS AFTER MECH DUCT INSTALLATION IN JOIST SPACE
09-5	NEW LVT FLOORING
09-6	PAINT ALL WALLS IN THIS AREA
09-7	PAINT CEILING IN THIS AREA
09-8	SKIM COAT EXISTING GWB CEILING AND PAINT
09-9	INSTALL 4" RUBBER BASE
09-1	PATCH AND REPAIR EXISTING GWB CEILING AT AREA OF REMOVED WALL
09-1	INSTALL FLOOR TRANSITION
1	
09-1	48" PVC WAINSCOT WITH PVC CAP AND BASE MOLDING
3	
09-1	54" PVC WAINSCOT WITH PVC CAP AND BASE MOLDING
4	
10-1	DIAPER CHANGING STATION
10-3	TOILET PAPER DISPENSER
10-4	SANITARY NAPKIN DISPOSAL
D1	REMOVE PLUMBING FIXTURE [REF MECHANICAL]
D2	REMOVE SHEET VINYL FLOOR COVERING
D5	REMOVE MIRROR
D6	REMOVE CUP DISPENSER
D8	REMOVE PAPER TOWEL DISPENSER
D9	REMOVE DOOR LEAF. FRAME TO REMAIN
D13	REMOVE DOOR AND FRAME
D14	REMOVE STUD WALL
D15	REMOVE COUNTER AND LAVATORY [REF PLUMBING]
D16	REMOVE GRAB BAR
D18	REMOVE WALLPAPER FULL HEIGHT
D19	REMOVE CEILING TEXTURE
D20	SALVAGE WOOD CEILING PANELS FOR RE-INSTALLATION. COORDINATE LOCATION AND EXTENTS WITH MECHANICAL. [REF MECHANICAL]
D21	PREPARE PAINTED CONCRETE FLOOR FOR NEW FLOOR COVERING
D22	REMOVE WOOD CROWN MOLDING

LEGEND

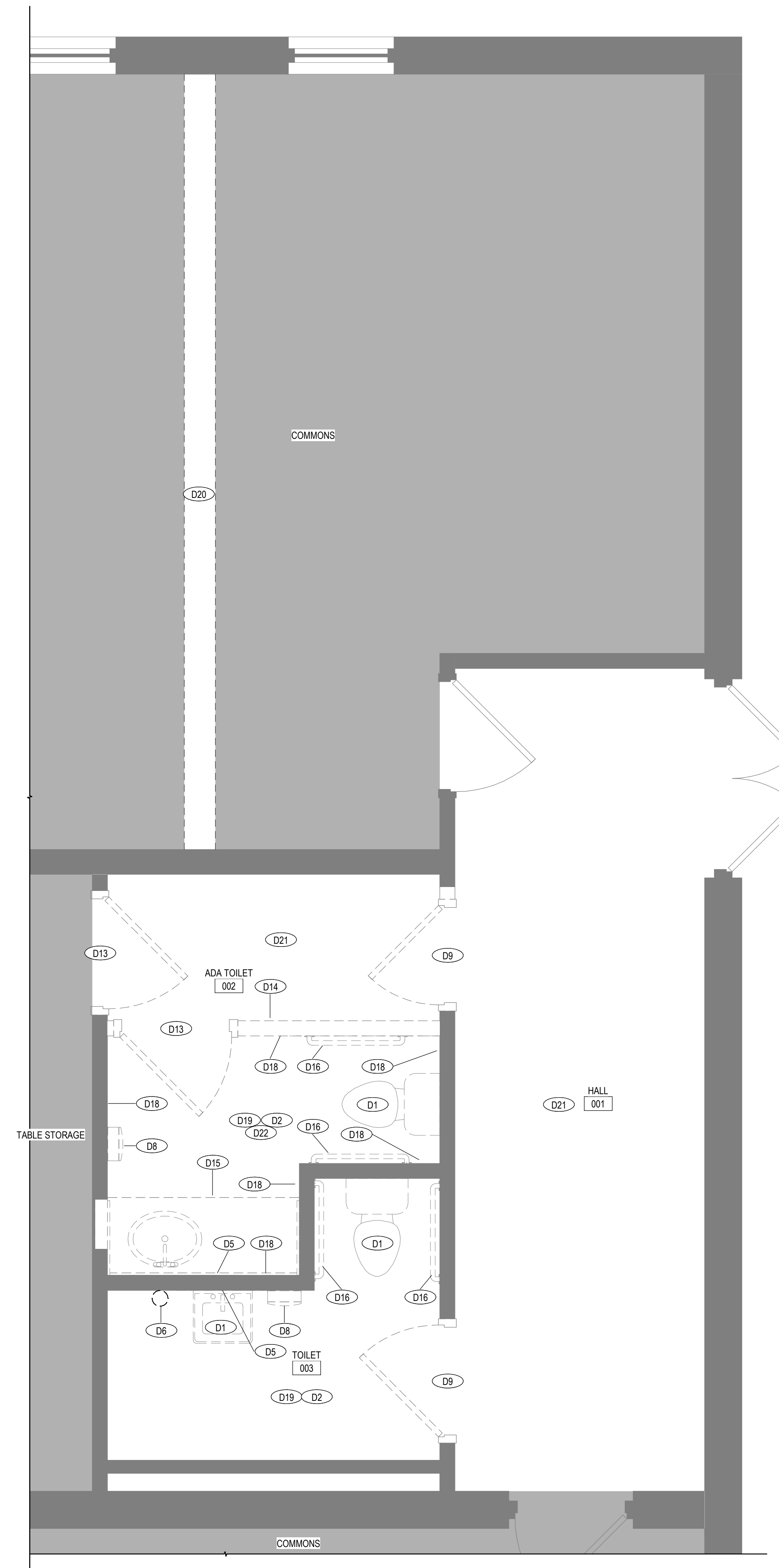
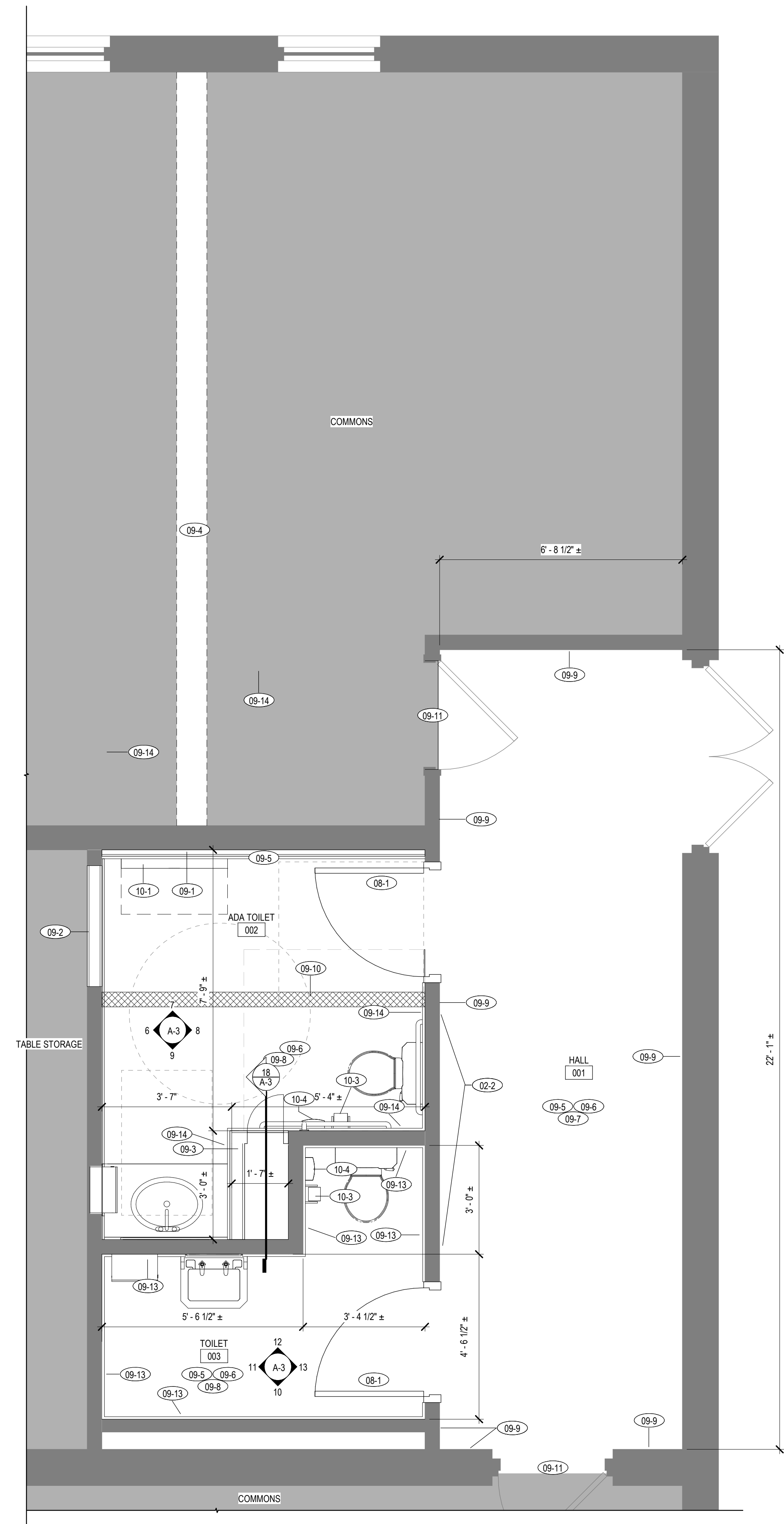
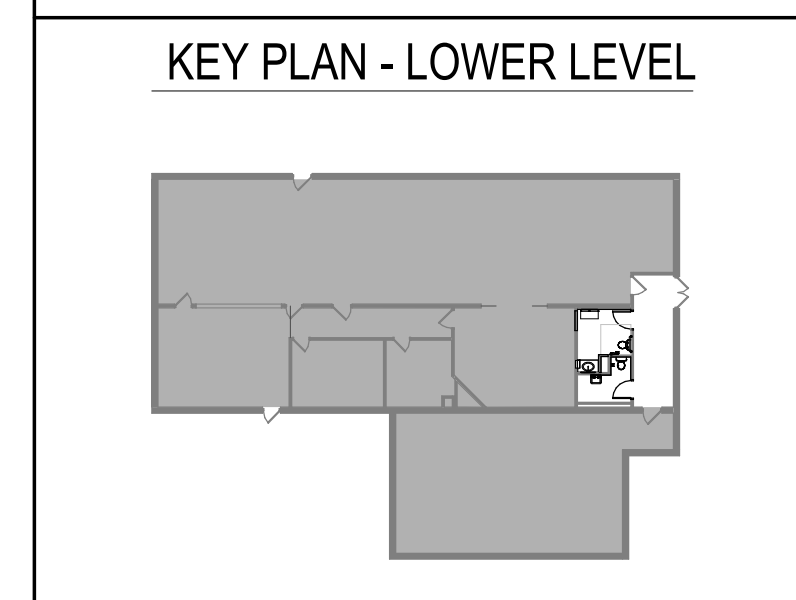
EXIST WALL NEW WALL

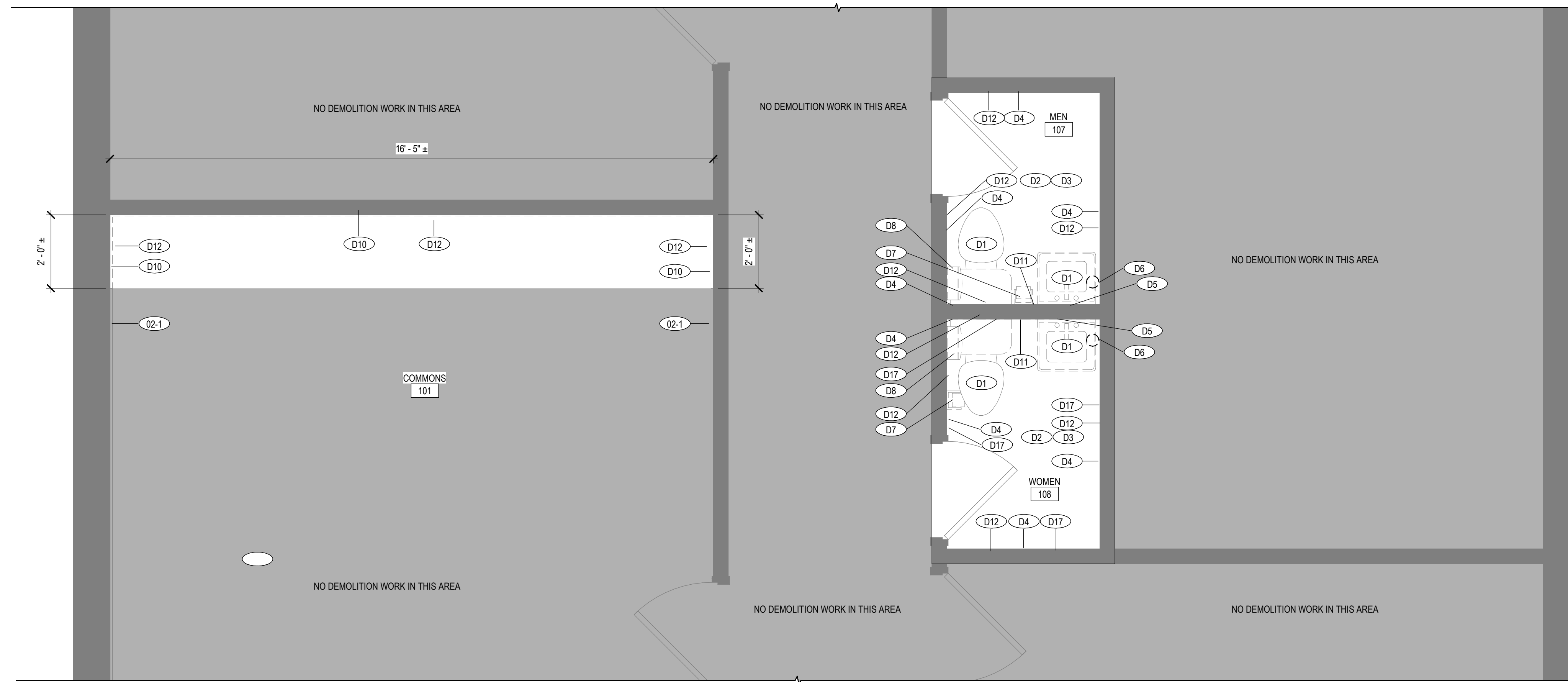
EXIST DOOR NEW DOOR

INDICATES NO ARCHITECTURAL RENOVATION WORK IN SHADED AREA

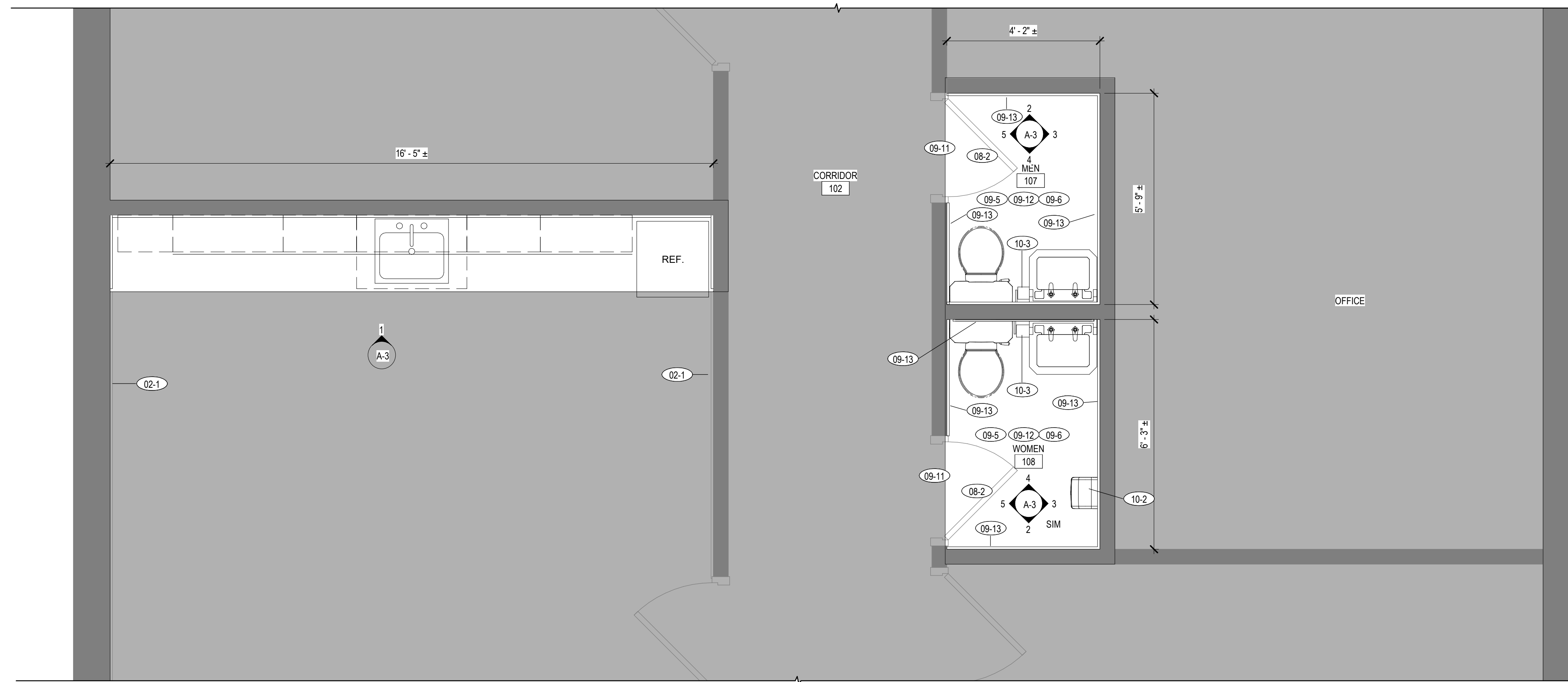
GENERAL NOTES

- ALL NEW INTERIOR PARTITIONS ARE 2X4 WOOD STUDS @ 16" O.C. AND 5/8" TYPE X GWB EA SIDE UNO.
- INTERIOR DIMENSIONS AT NEW WALLS ARE TO F.O. STUD, UNO.
- DIMENSIONS TO EXISTING WALLS ARE TO FINISH FACE, UNO.
- ALL ITEMS ARE NEW UNLESS NOTED AS EXISTING.





DEMOLITION PLAN - MAIN LEVEL
 NORTH
 3
 A-2
 1/2" = 1'-0"



MAIN LEVEL FLOOR PLAN
 NORTH
 1
 A-2
 1/2" = 1'-0"

KEYNOTE LEGEND	
02-1	WOOD BASEBOARD TO REMAIN
08-2	INSTALL WINDOW FILM ON DOOR GLAZING
09-5	NEW LVT FLOORING
09-6	PAINT ALL WALLS IN THIS AREA
09-11	INSTALL FLOOR TRANSITION
09-12	INSTALL NEW ACOUSTIC LAY-IN GRID CEILING @ 9'-0" AFF
09-13	48" PVC WAINSCOT WITH PVC CAP AND BASE MOLDING
10-2	PAPER TOWEL DISPENSER
10-3	TOILET PAPER DISPENSER
D1	REMOVE PLUMBING FIXTURE [REF MECHANICAL]
D2	REMOVE SHEET VINYL FLOOR COVERING
D3	REMOVE LIGHT FIXTURE
D4	REMOVE CHAIR RAIL
D5	REMOVE MIRROR
D6	REMOVE CUP DISPENSER
D7	REMOVE TOILET PAPER DISPENSER
D8	REMOVE PAPER TOWEL DISPENSER
D10	REMOVE SURFACE MOUNTED ELECTRICAL [REF ELECTRICAL]
D11	REMOVE 36" +/- WOOD PANELING WAINSCOT
D12	REMOVE WOOD BASEBOARD
D17	REMOVE 49" +/- WALLPAPER WAINSCOT

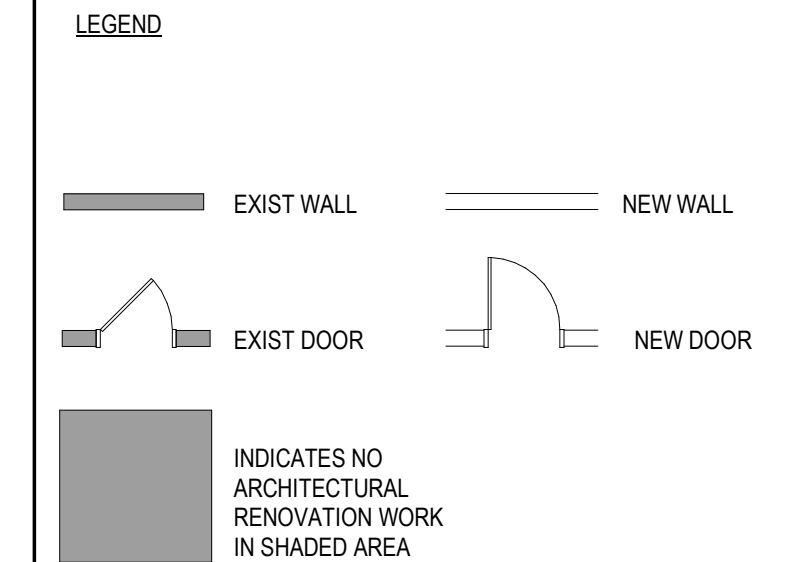
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 CHURCH ADA RENOVATIONS

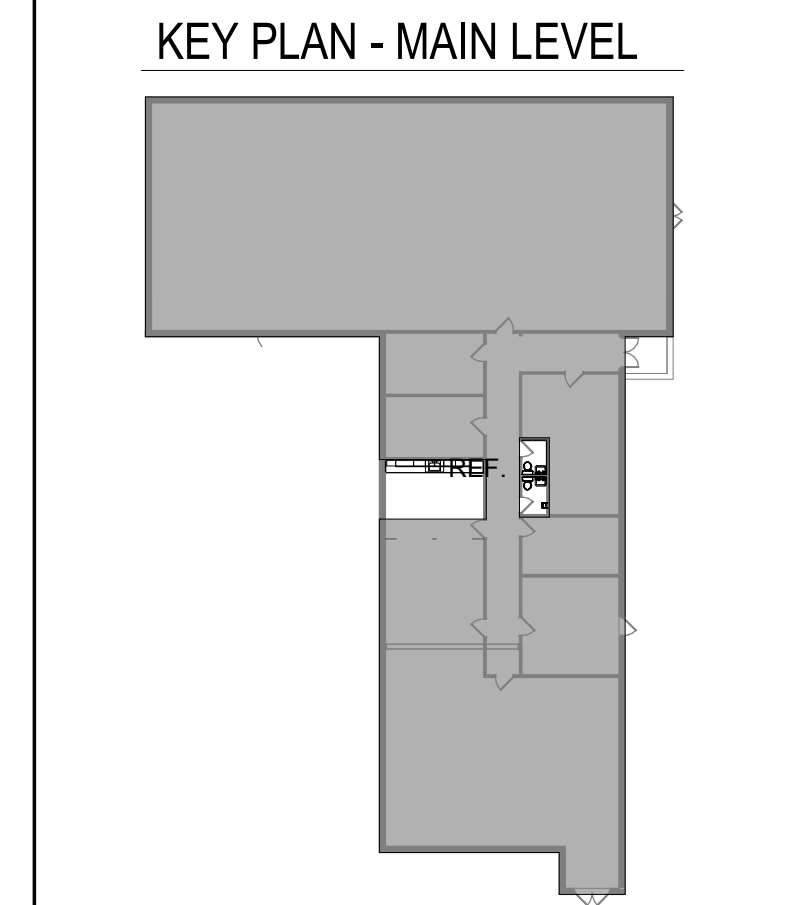
2003 HIGH STREET
 COLLBRAN CO 81624

MAIN LEVEL FLOOR PLAN

FOR CONSTRUCTION



- GENERAL NOTES
- ALL NEW INTERIOR PARTITIONS ARE 2X4 WOOD STUDS @ 16" O.C. AND 5/8" TYPE X GWB EA SIDE UNO.
 - INTERIOR DIMENSIONS AT NEW WALLS ARE TO F.O. STUD, UNO.
 - DIMENSIONS TO EXISTING WALLS ARE TO FINISH FACE, UNO.
 - ALL ITEMS ARE NEW UNLESS NOTED AS EXISTING.

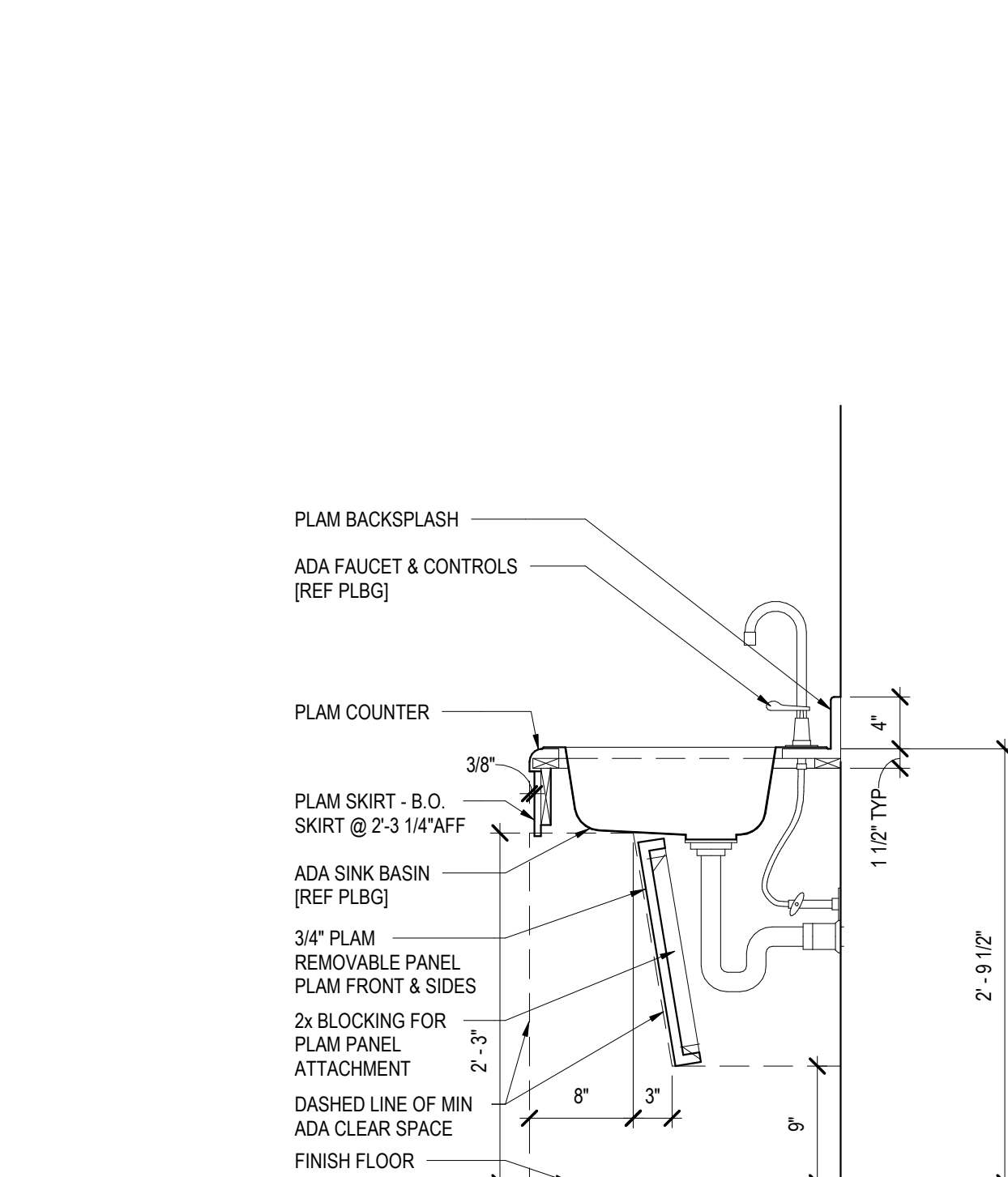
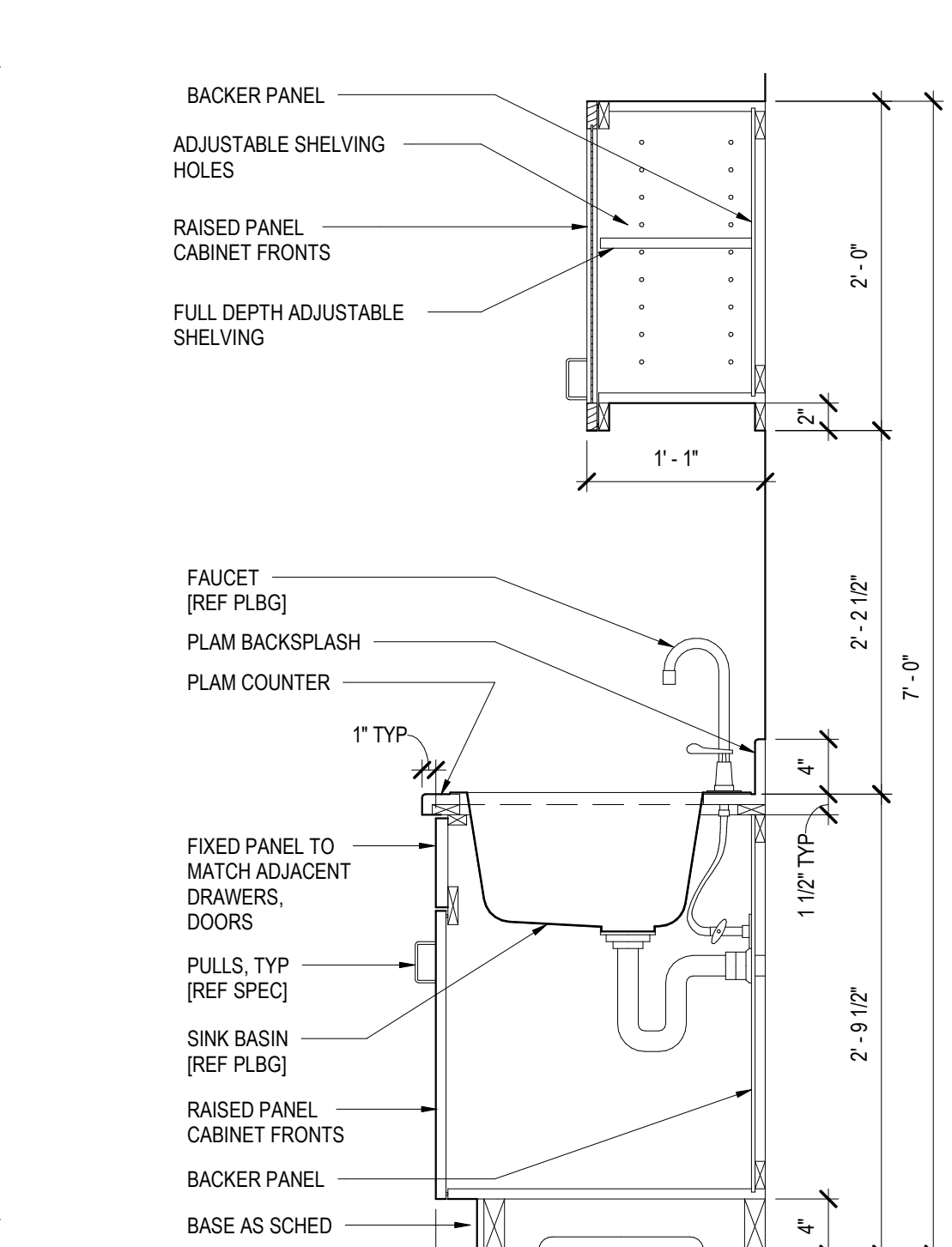
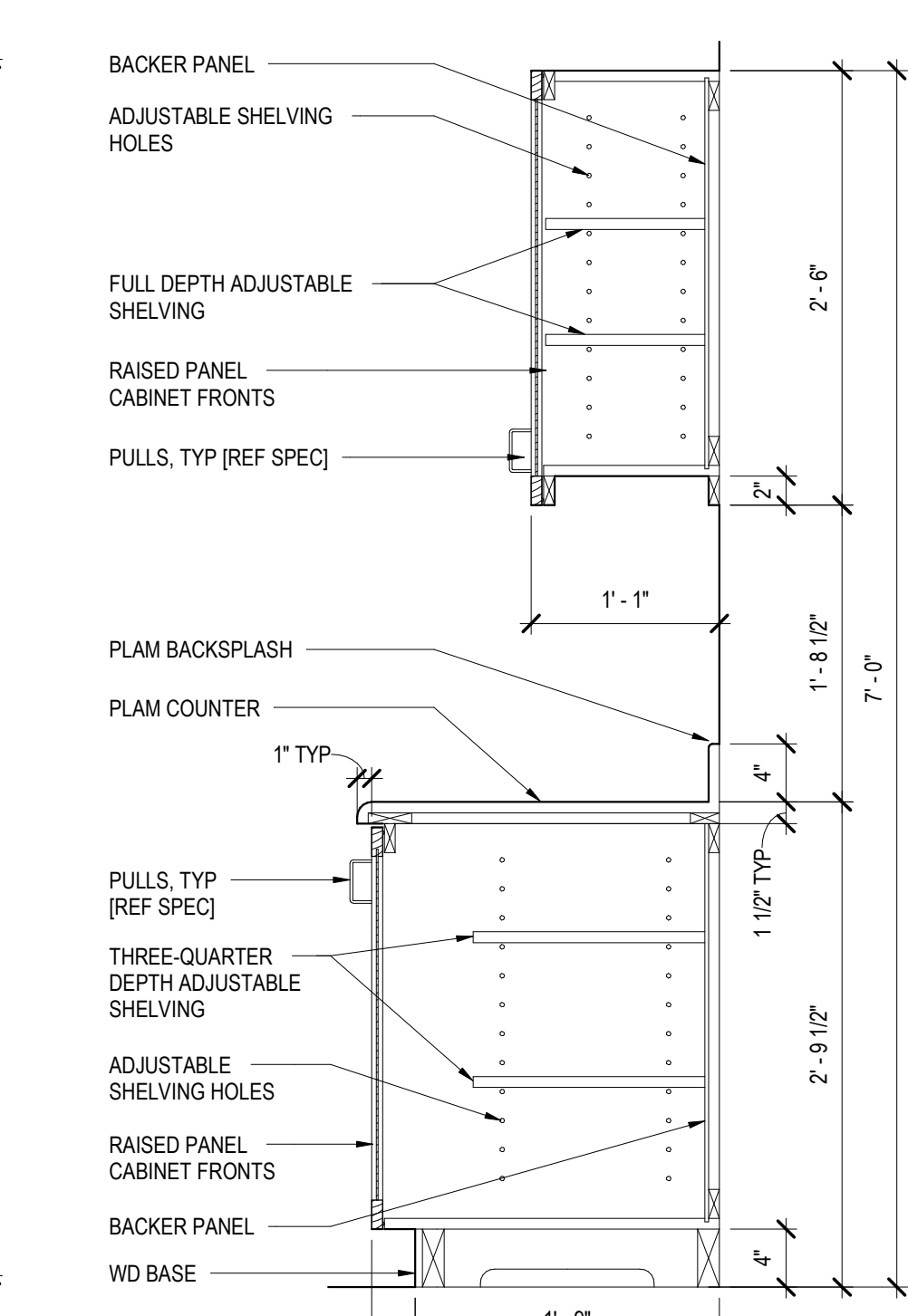
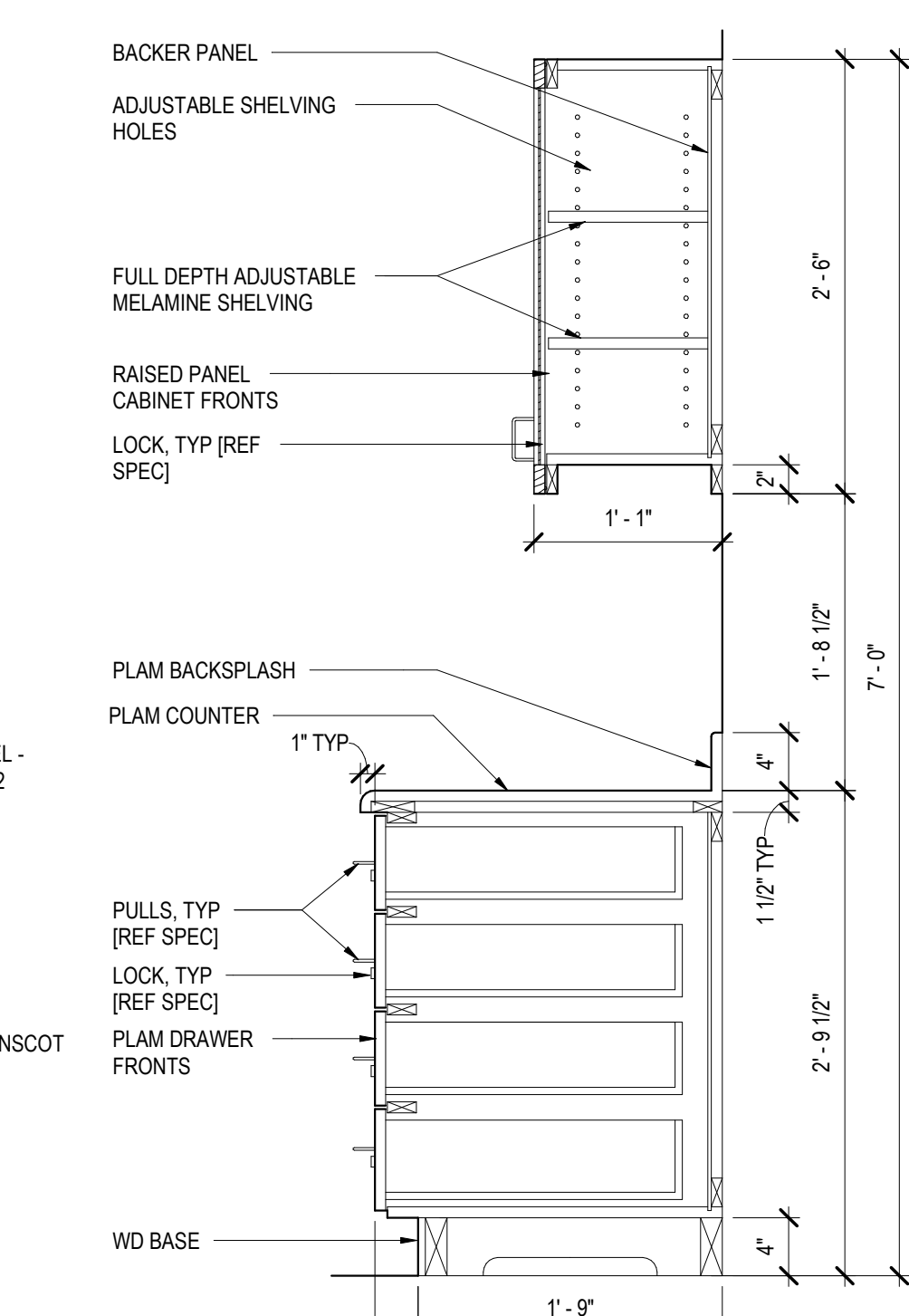
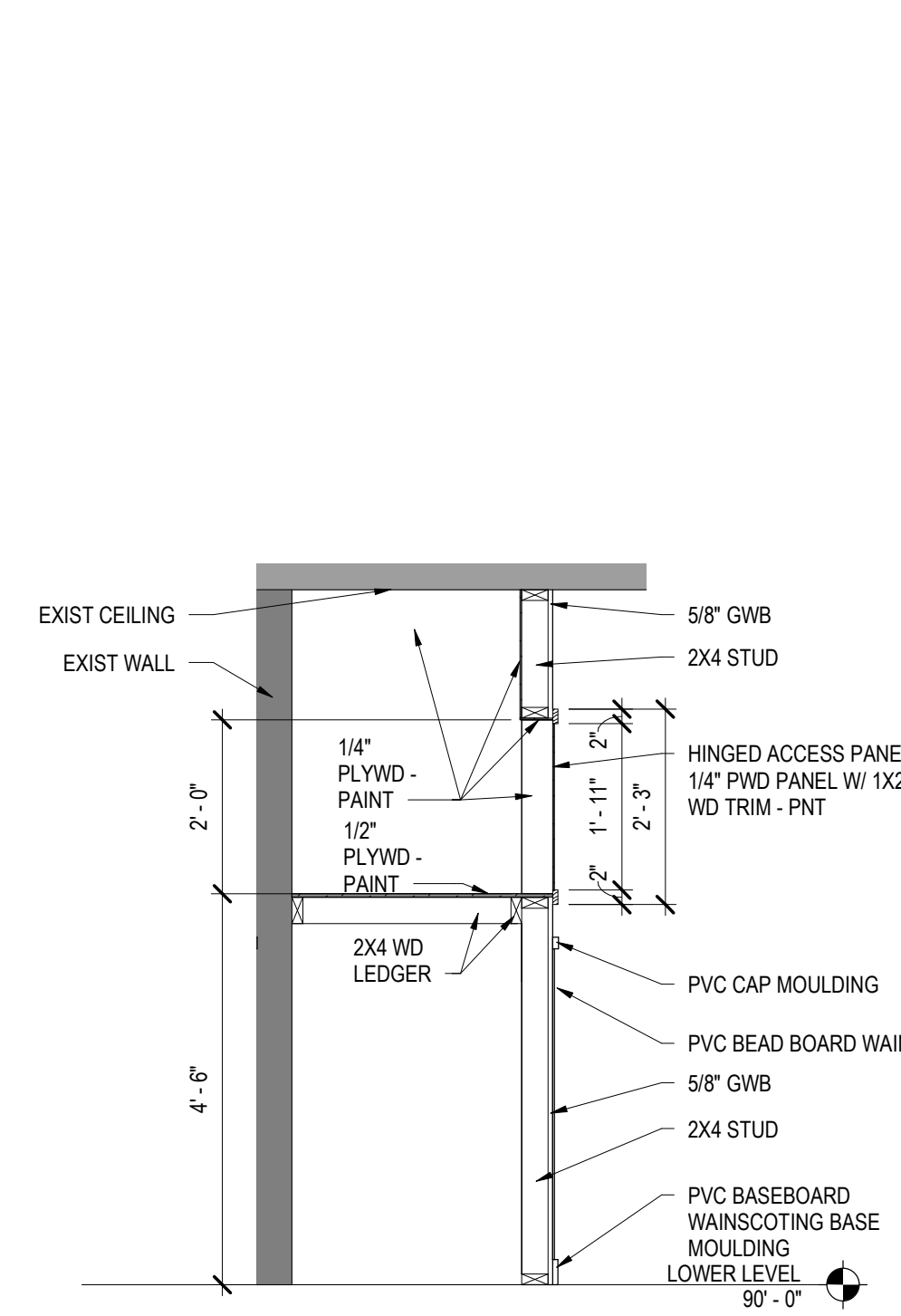
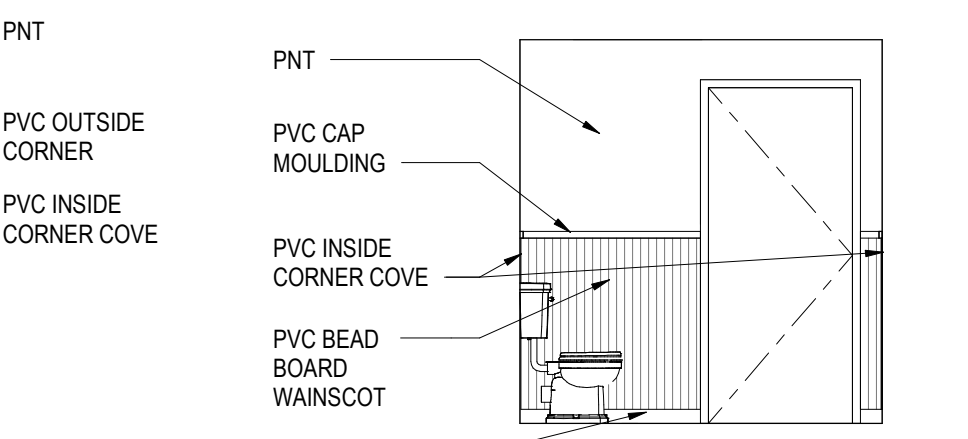
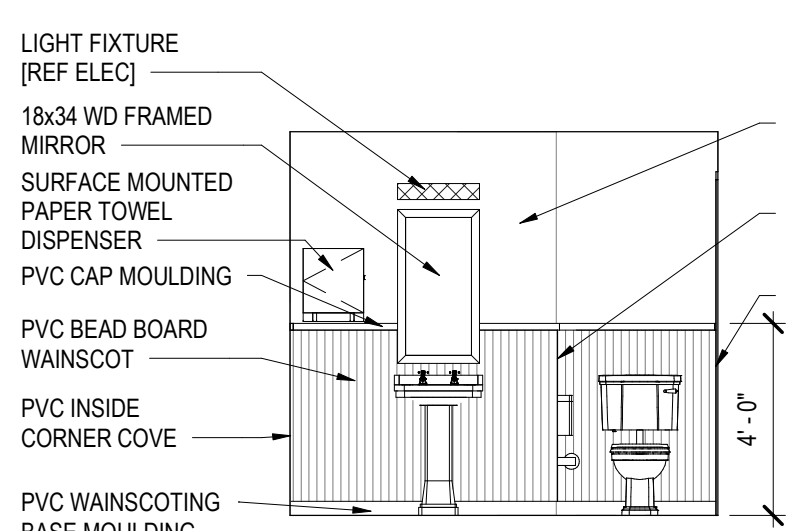
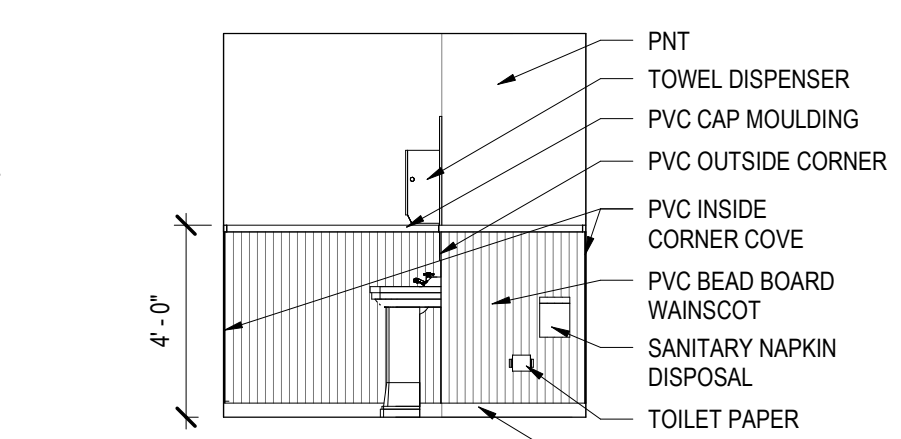
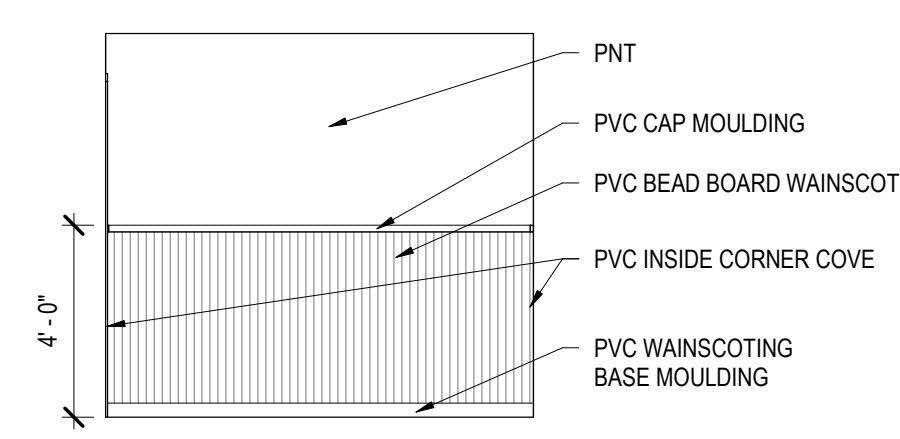
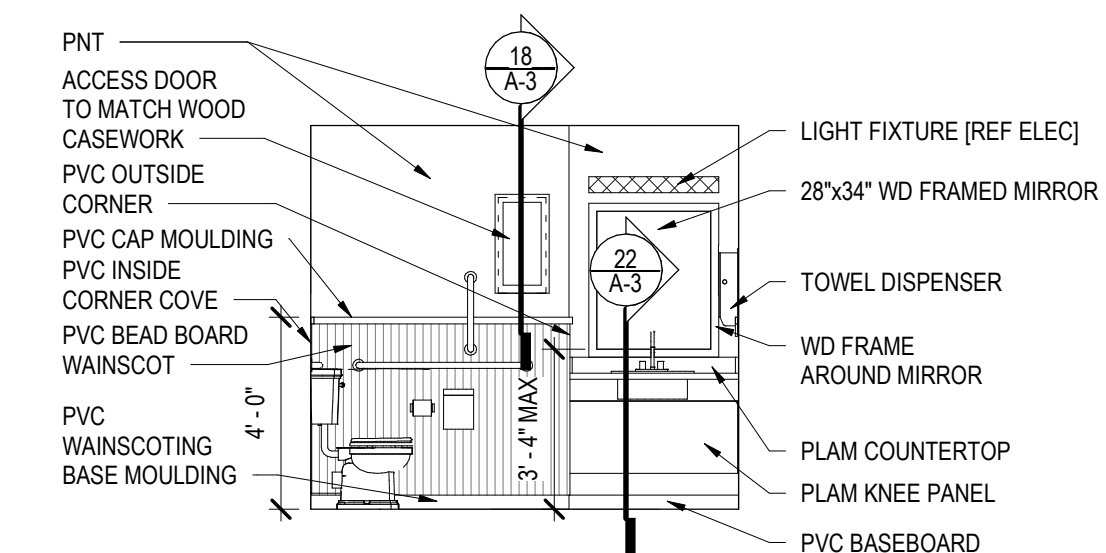
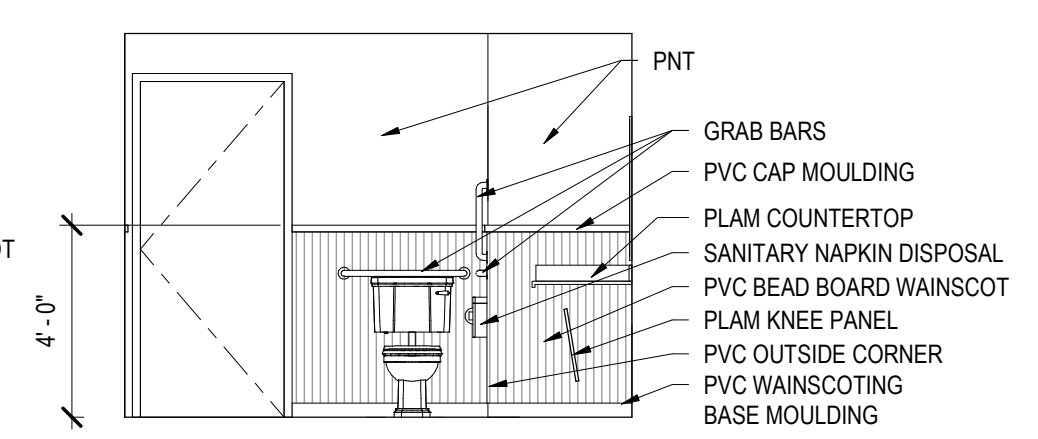
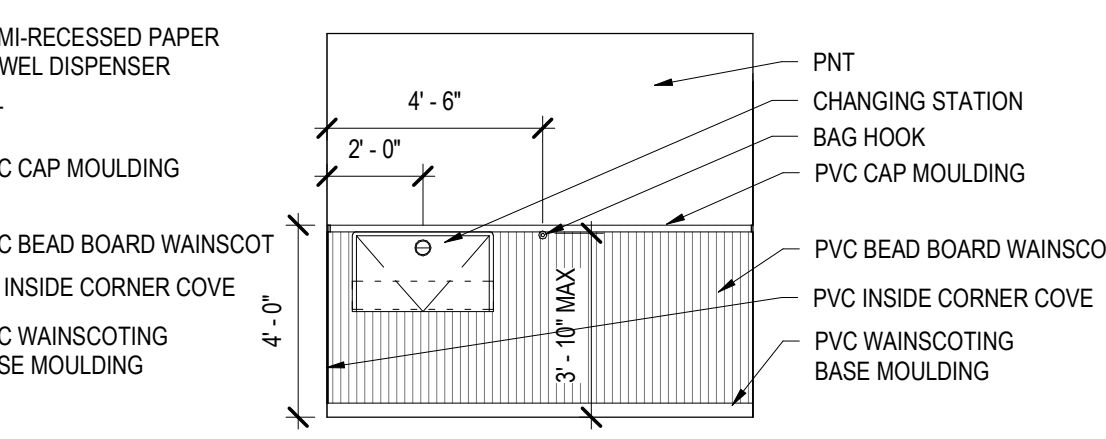
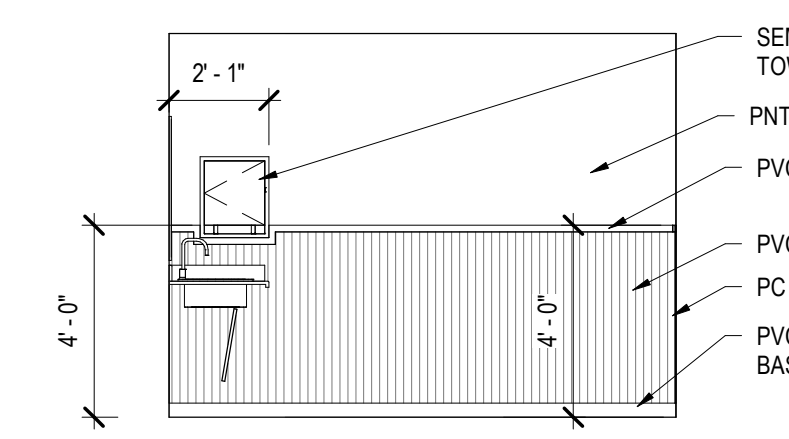
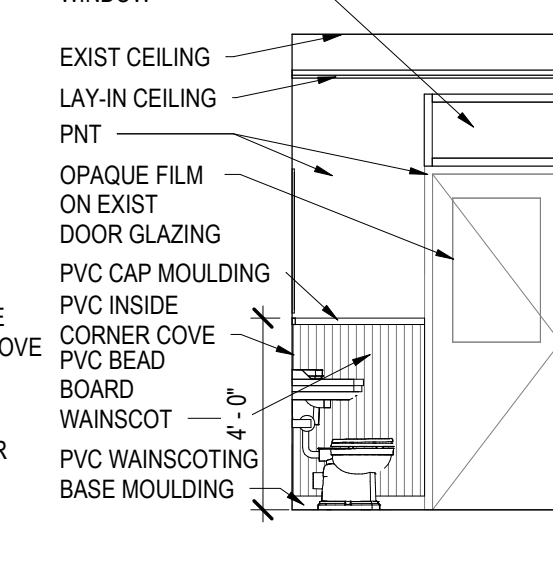
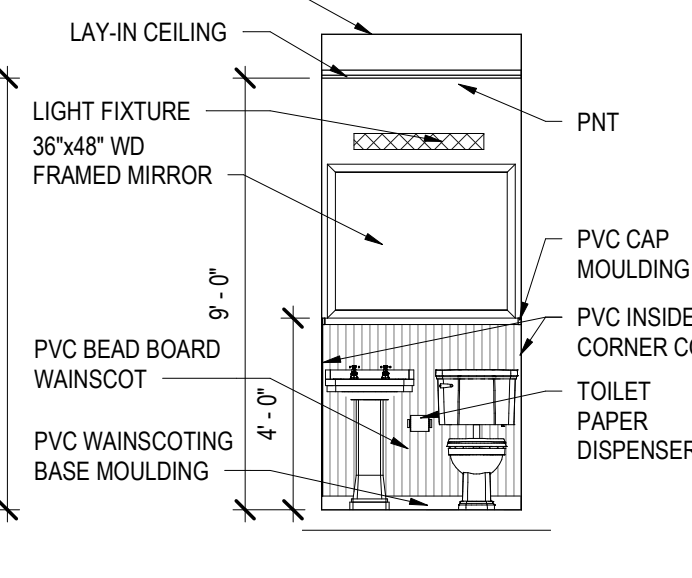
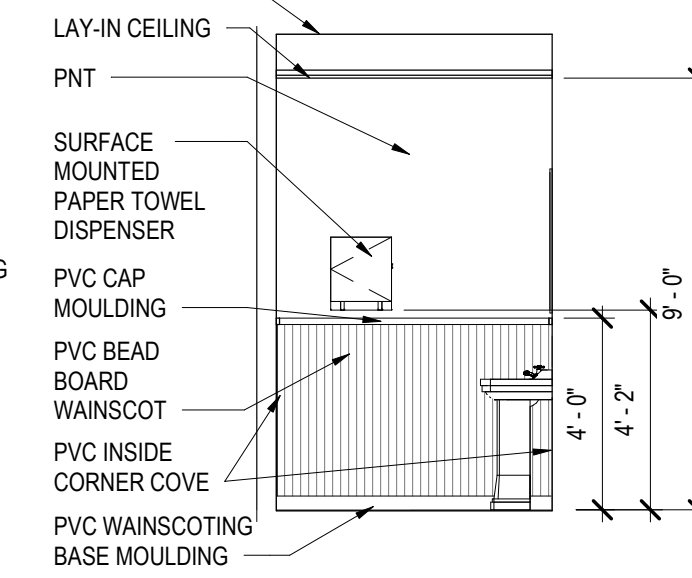
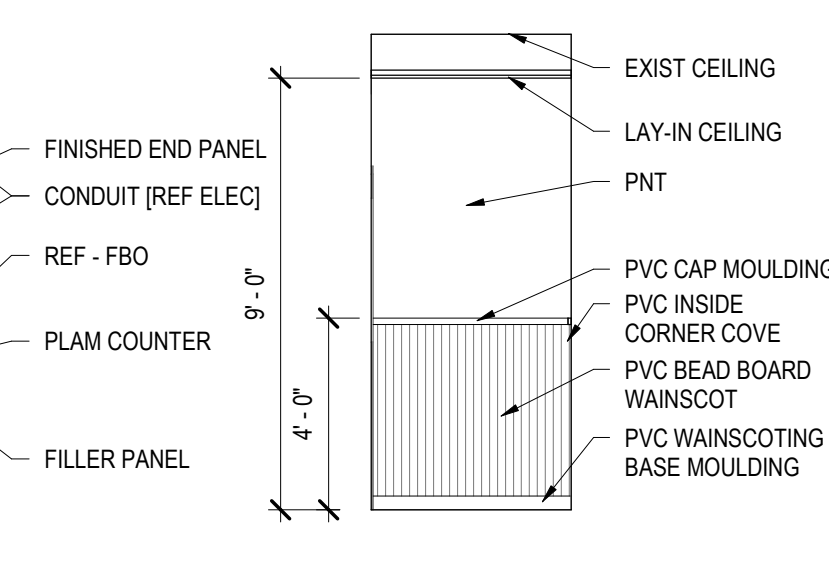
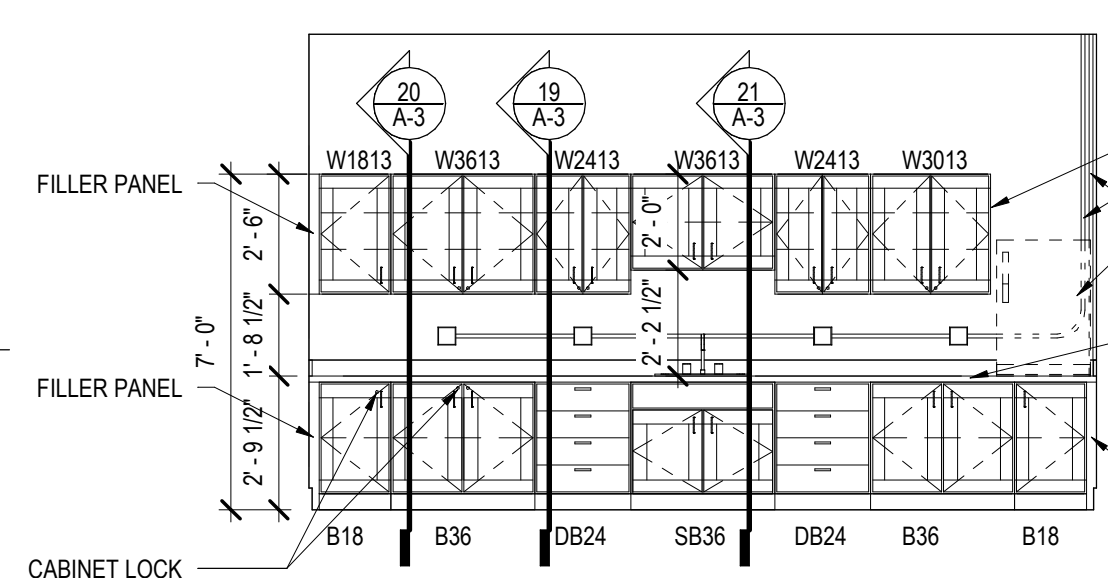
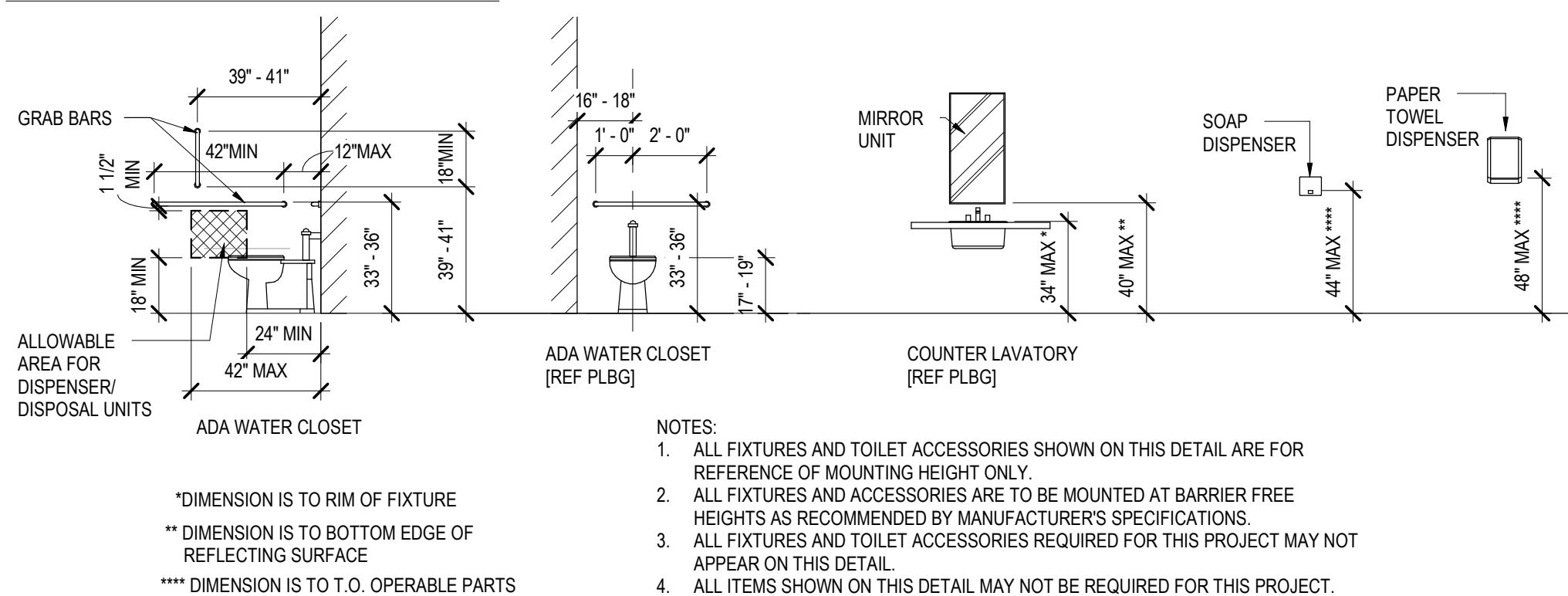


REV.	DESC.	DATE:

DATE: 04/07/21
 PROJECT #: 2075
 SHEET #:

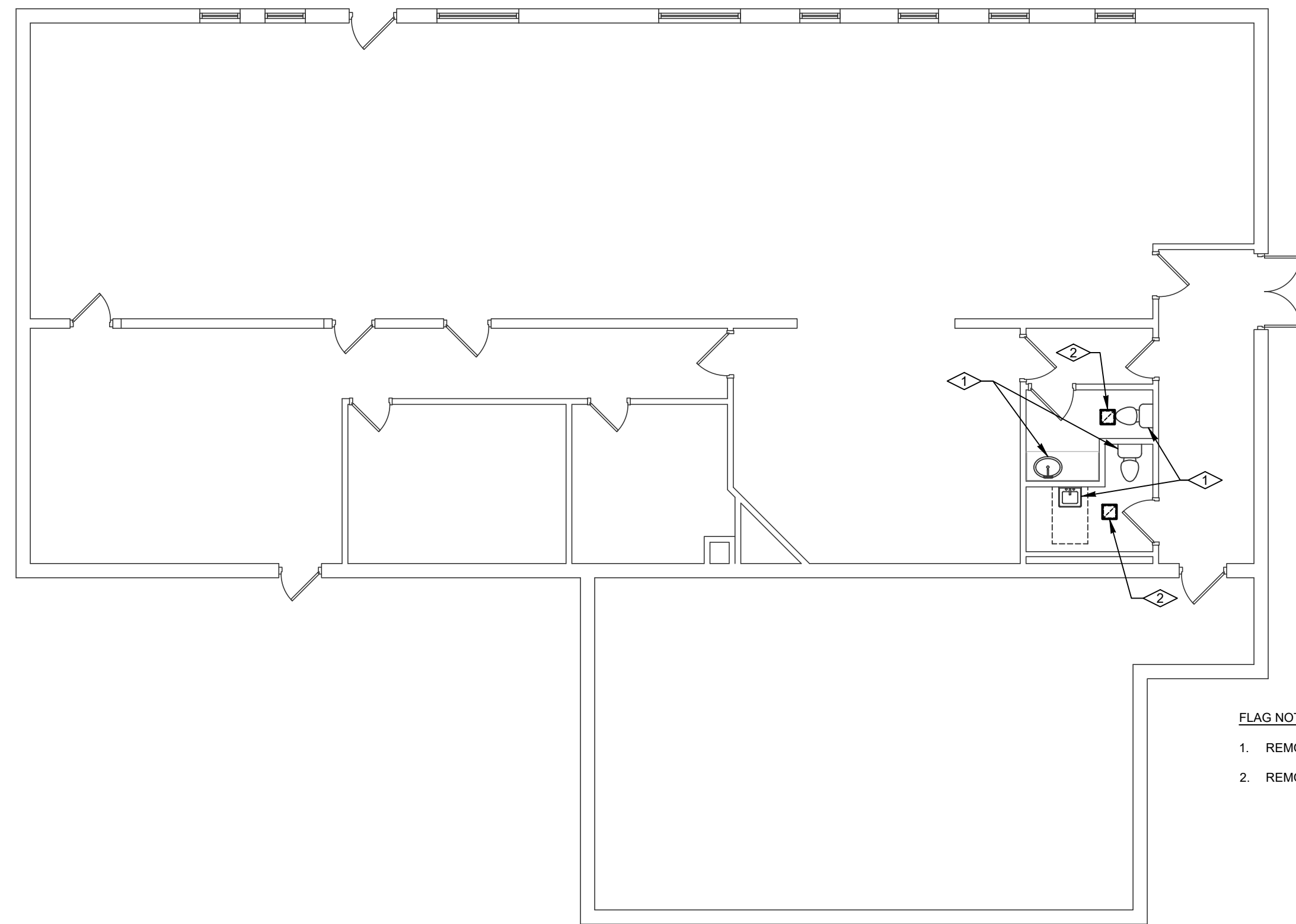
A-2

TYPICAL MOUNTING HEIGHTS



REV.	DESC.	DATE:

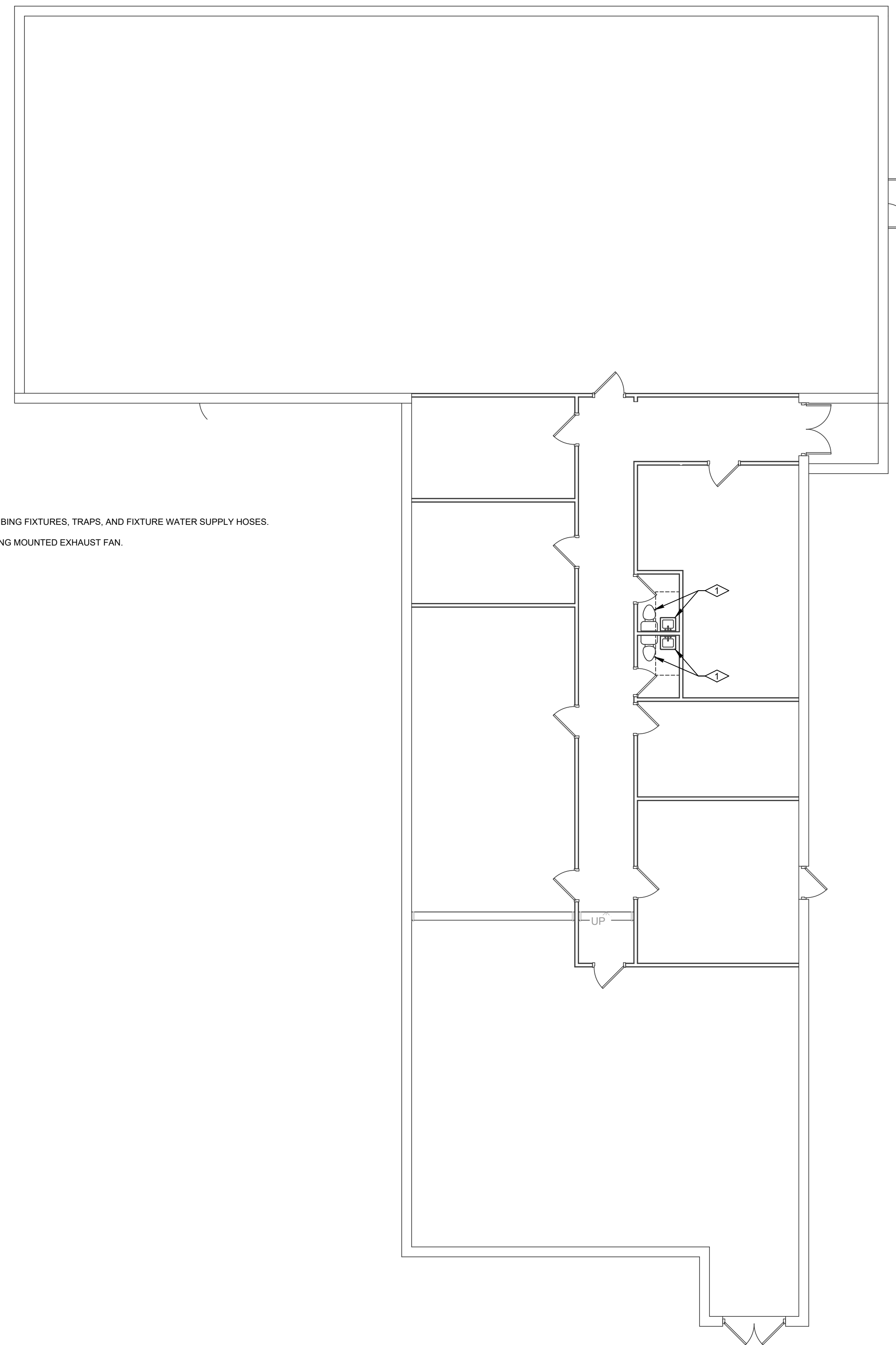
Project Team:
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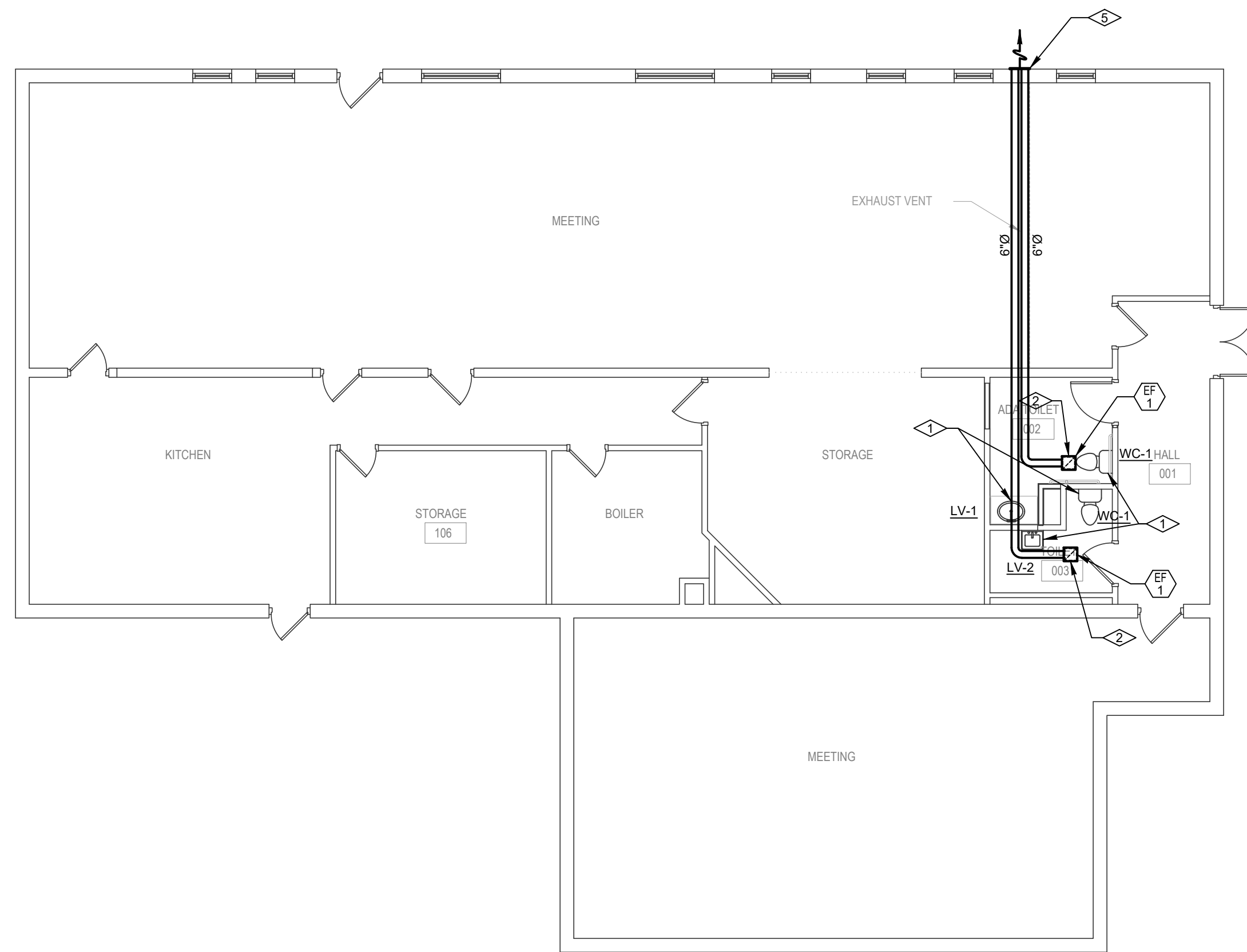
FLAG NOTES:

1. REMOVE EXISTING PLUMBING FIXTURES, TRAPS, AND FIXTURE WATER SUPPLY HOSES.
2. REMOVE EXISTING CEILING MOUNTED EXHAUST FAN.

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



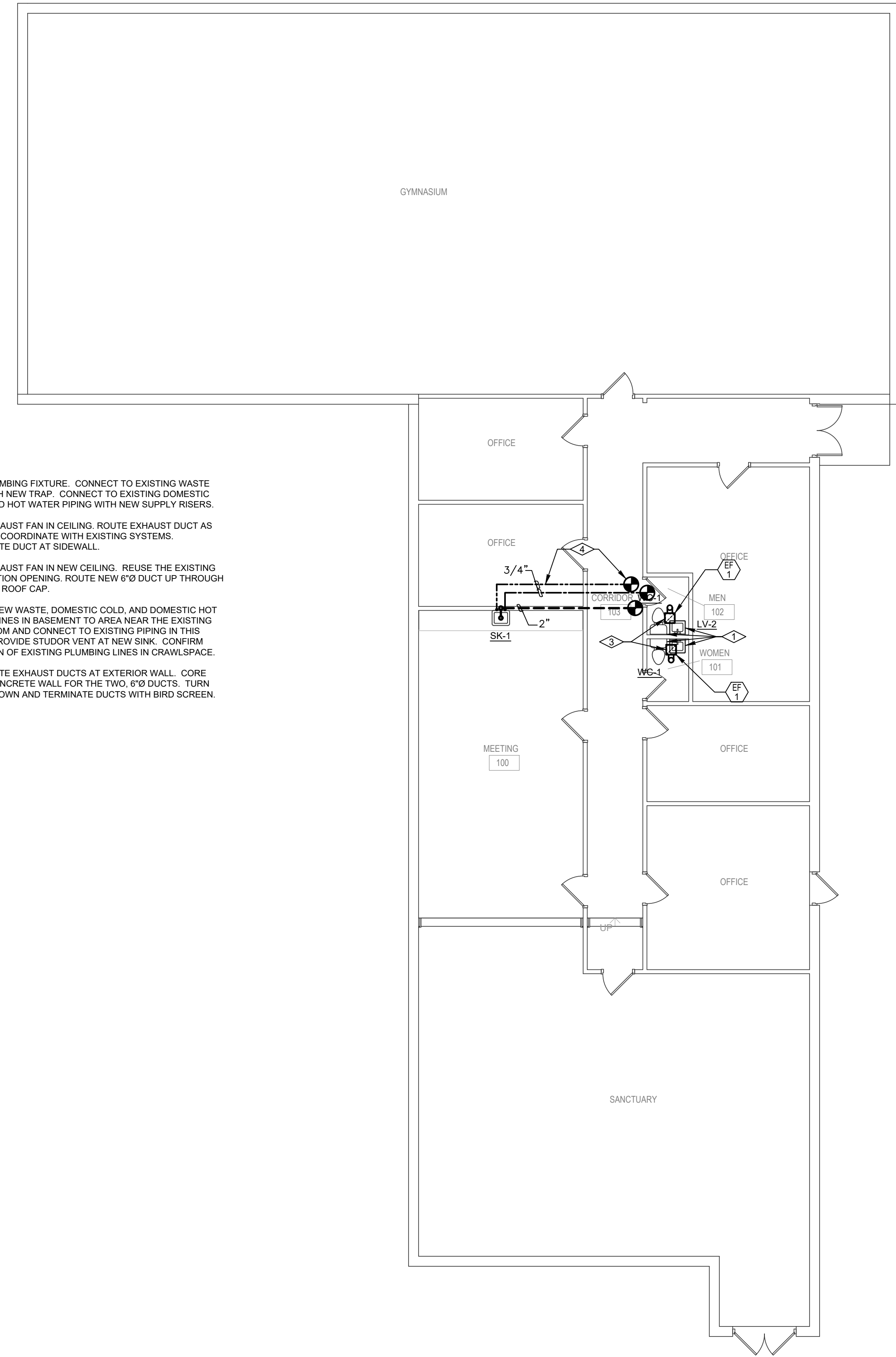
MECHANICAL - FIRST FLOOR DEMOLITION PLAN
SCALE: 1/8"=1'-0"
NORTH



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

FLAG NOTES:

1. NEW PLUMBING FIXTURE. CONNECT TO EXISTING WASTE LINE WITH NEW TRAP. CONNECT TO EXISTING DOMESTIC COLD AND HOT WATER PIPING WITH NEW SUPPLY RISERS.
2. NEW EXHAUST FAN IN CEILING. ROUTE EXHAUST DUCT AS SHOWN. COORDINATE WITH EXISTING SYSTEMS. TERMINATE DUCT AT SIDEWALL.
3. NEW EXHAUST FAN IN NEW CEILING. REUSE THE EXISTING VENTILATION OPENING. ROUTE NEW 6"Ø DUCT UP THROUGH ROOF TO ROOF CAP.
4. ROUTE NEW WASTE, DOMESTIC COLD, AND DOMESTIC HOT WATER LINES IN BASEMENT TO AREA NEAR THE EXISTING RESTROOM AND CONNECT TO EXISTING PIPING IN THIS AREA. PROVIDE STUDDOR VENT AT NEW SINK. CONFIRM LOCATION OF EXISTING PLUMBING LINES IN CRAWLSPACE.
5. TERMINATE EXHAUST DUCTS AT EXTERIOR WALL. CORE DRILL CONCRETE WALL FOR THE TWO, 6"Ø DUCTS. TURN DUCTS DOWN AND TERMINATE DUCTS WITH BIRD SCREEN.



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

MECHANICAL PROVISIONS

1. SCOPE OF WORK
 - A. THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK, MATERIALS, AND LABOR TO SATISFY A COMPLETE WORKING SYSTEM WHETHER SPECIFIED OR IMPLIED.
 - B. ALL WORK IS TO BE PERFORMED IN STRICT COMPLIANCE WITH ALL LOCAL CODES AND ALL OTHER REGULATION GOVERNING WORK OF THIS NATURE.
 - C. THE CONTRACTOR SHALL, BEFORE SUBMITTING ANY PROPOSAL, EXAMINE THE PROPOSED SITE AND SHALL DETERMINE FOR HIMSELF THE CONDITIONS THAT MAY AFFECT THE WORK. NO ALLOWANCE SHALL BE MADE IF THE CONTRACTOR FAILS TO MAKE SUCH EXAMINATIONS.
 - D. ALL EQUIPMENT AND MATERIALS SHALL BE AS SPECIFIED OR "APPROVED EQUAL" BY THE ENGINEER OR ARCHITECT.
2. PERMITS
 - A. THE CONTRACTOR SHALL SECURE ALL PERMITS OR APPLICATIONS AND PAY ANY AND ALL FEES.
3. SHOP DRAWINGS
 - A. SUBMIT MATERIAL LIST AND SHOP DRAWINGS FOR MAJOR EQUIPMENT TO THE ARCHITECT/ENGINEER FOR APPROVAL. THE CONTRACTOR SHALL SUBMIT FIVE SETS OF SHOP DRAWINGS AND THEY SHALL BE CLEARLY LABELED.
4. FLEXIBLE DUCT WORK
 - A. FLEXIBLE TYPE DUCT SHALL BE OF TWO ELEMENT SPIRAL CONSTRUCTION COMPOSED OF A CORROSION RESISTANT METAL SUPPORTING SPIRAL AND COATED FABRIC WITH A MINERAL BASE. FLEXIBLE DUCT CONNECTORS SHALL BE LISTED BY UL, CLASS 1 DUCTS, AND SHALL HAVE A FLAME SPREAD RATING NOT EXCEEDING 25 AND A SMOKE DEVELOPED RATING NOT EXCEEDING 50.
 - B. USE OF FLEXIBLE DUCTWORK SHALL BE LIMITED TO NO MORE THAN 6 LINEAR FEET PER RUN.
 - C. CONTRACTOR SHALL BE CAREFUL SO AS NOT TO KINK OR COLLAPSE FLEXIBLE DUCT.
5. REFRIGERANT
 - A. PIPING CONTRACTOR SHALL PROVIDE AND INSTALL REFRIGERANT PIPING IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND IN SUCH A WAY AS TO BE INCONSPICUOUS AND FREE FROM ANY POSSIBLE CONDENSATION.
 - B. INSULATE REFRIGERANT LINES WITH ARMOUR-FLEX TYPE INSULATION, SHALL BE TYPE "K" COPPER TUBING, WITH WROUGHT COPPER SOLDER TYPE FITTINGS SUITABLE FOR CONNECTION WITH SILVER SOLDER.
6. DUCTWORK
 - A. THE DUCTWORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "SMACNA" APPLICABLE MANUALS.
 - B. ALL DUCTWORK SHALL BE THE LOW VELOCITY TYPE, UNLESS SPECIFIED OTHERWISE.
 - C. CONTRACTOR SHALL PROVIDE AND INSTALL APPROVED FIRE DAMPERS AND ACCESS PANELS IN ANY AND ALL DUCTWORK WHICH PENETRATES A HORIZONTAL OR VERTICAL FIRE PARTITION, OR AS OTHERWISE SHOWN ON DRAWINGS.
 - D. ALL BRANCH DUCTS TO HAVE VOLUME DAMPERS, SMOOTH TURN RADIUS DUCTWORK OR TURNING VANES SHALL BE USED THROUGHOUT WHERE FLOW EXCEEDS 150 CFM.
 - E. ALL DUCT JOINTS TO BE SEALED IN ACCORDANCE WITH "SMACNA" STANDARDS AND ACCEPTED GOOD PRACTICE.
 - F. ALL DUCT DIMENSIONS SHOWN ARE NET INSIDE VALUES DIMENSIONS MAY BE CHANGED SO LONG AS THE NET FREE FACE AREA IS MAINTAINED.
 - G. ALL CONCEALED DUCTWORK SHALL BE INSULATED WITH 1-1/2" FIBERGLASS INSULATING BLANKET WITH ALUMINUM FOIL FACING.
 - H. ALL SUPPLY AND RETURN DUCTWORK 15 FEET DOWNSTREAM OF THE HVAC UNIT SHALL BE INTERNALLY LINED WITH A 1/2" ACOUSTICAL DUCT LINER UNLESS OTHERWISE NOTED ON THE DRAWINGS.
7. DRAINAGE PIPING
 - A. (CONDENSATE) SHALL BE SCHEDULE 40 PVC PIPE WITH SOLVENT JOINTS. PITCH HORIZONTAL LINES 1" IN 10'. CONDENSATE DRAINS SHALL BE ROUTED TO FLOOR DRAIN, ROOF DRAIN OR INDIRECT WASTE DRAIN.
8. HVAC CONTROLS
 - A. CONTRACTOR TO SUPPLY AND INSTALL ALL CONTROL WIRING AND THERMOSTATS AS REQUIRED.
9. ELECTRICAL
 - A. CONTRACTOR TO COORDINATE WITH ELECTRICAL CONTRACTOR FOR LOCATION OF WIRING FOR EACH HVAC UNIT.
10. PIPE SUPPORTS
 - A. ALL PIPE SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE IN A NEAT AND WORKMANLIKE MANNER. THE USE OF WIRE OR METAL STRAP TO SUPPORT PIPES WILL NOT BE PERMITTED. SPACING OF PIPE SUPPORTS SHALL NOT EXCEED 8 FEET FOR ALL PIPING. PLASTIC PIPING TO BE SUPPORTED EVERY 4 FEET.
11. GAS PIPING
 - A. PIPING SHALL BE SCHEDULE 40 BLACK STEEL PIPE WITH MALLEABLE IRON FITTINGS WHERE GAS PIPE CONNECTS TO EQUIPMENT, IT SHALL BE PROVIDED WITH A DRIP LEG THE FULL SIZE OF THE RUNOUT. A 100% SHUT-OFF VALVE AND A UNION. GAS PIPING CONTAINING PRESSURE GREATER THAN 9" W.G. SHALL BE SCHEDULE 40 BLACK STEEL PIPE WITH WELDED JOINTS.
12. MISCELLANEOUS
 - A. ALL EXTERIOR OPENINGS TO BE PROPERLY CAULKED AND SEALED WITH A SEALANT OF HIGH QUALITY AND LONG LIFE, TO PREVENT INFILTRATION OF OUTSIDE AIR INTO CONDITIONED SPACE.
 - B. COORDINATE INSTALLATION OF ALL ROOF FLASHINGS AT ROOF PENETRATION.
 - C. DO NOT SCALE THIS DRAWING FOR EXACT DIMENSIONS.
 - D. VERIFY ALL FIGURES, CONDITIONS, AND DIMENSIONS AT THE JOB SITE.
 - E. THE MECHANICAL PLANS ARE INTENDED TO BE DIAGRAMMATIC AND ARE BASED ON ONE MANUFACTURER'S EQUIPMENT. THEY ARE NOT INTENDED TO SHOW EVERY ITEM IN ITS EXACT LOCATION, THE EXACT DIMENSIONS, OR ALL THE DETAILS OF THE EQUIPMENT.
 - F. THE CONTRACTOR SHALL VERIFY THE ACTUAL DIMENSIONS OF THE EQUIPMENT PROPOSED TO ENSURE THAT THE EQUIPMENT WILL FIT IN THE AVAILABLE SPACE.
 - G. PEX TUBING, IF PEX TUBING IS USED AS AN APPROVED ALTERNATE FOR APPLICATIONS WHERE METALLIC PIPING IS THE BASIS OF DESIGN, THE PEX MANUFACTURER SHALL SUBMIT SHOP DRAWINGS CLEARLY INDICATING THAT THE DESIGN HAS BEEN ANALYZED AND MODIFIED, AS REQUIRED TO MAINTAIN SCHEDULED HYDRONIC SYSTEM PARAMETERS. ANY DESIGN RESULTING IN INCREASED SYSTEM PRESSURE DROP AS A RESULT OF IMPROPER PEX SIZING OR DESIGN SHALL NOT BE PERMITTED.
13. TESTING AND BALANCING
 - A. THE HVAC SYSTEM SHALL BE TESTED AND AND BALANCED BY AN INDEPENDENT AGENCY, UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER. A SEALED TYPE WRITTEN REPORT SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER FOR REVIEW AND APPROVAL.
14. GUARANTEE
 - A. MATERIALS, EQUIPMENT AND INSTALLATION SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE. DEFECTS WHICH APPEAR DURING THAT PERIOD SHALL BE CORRECTED AT THIS CONTRACTOR'S EXPENSE.
 - B. FOR THE SAME PERIOD, THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO PREMISES CAUSED BY DEFECTS IN WORKMANSHIP OR IN THE WORK OR EQUIPMENT FURNISHED AND/OR INSTALLED BY HIM.

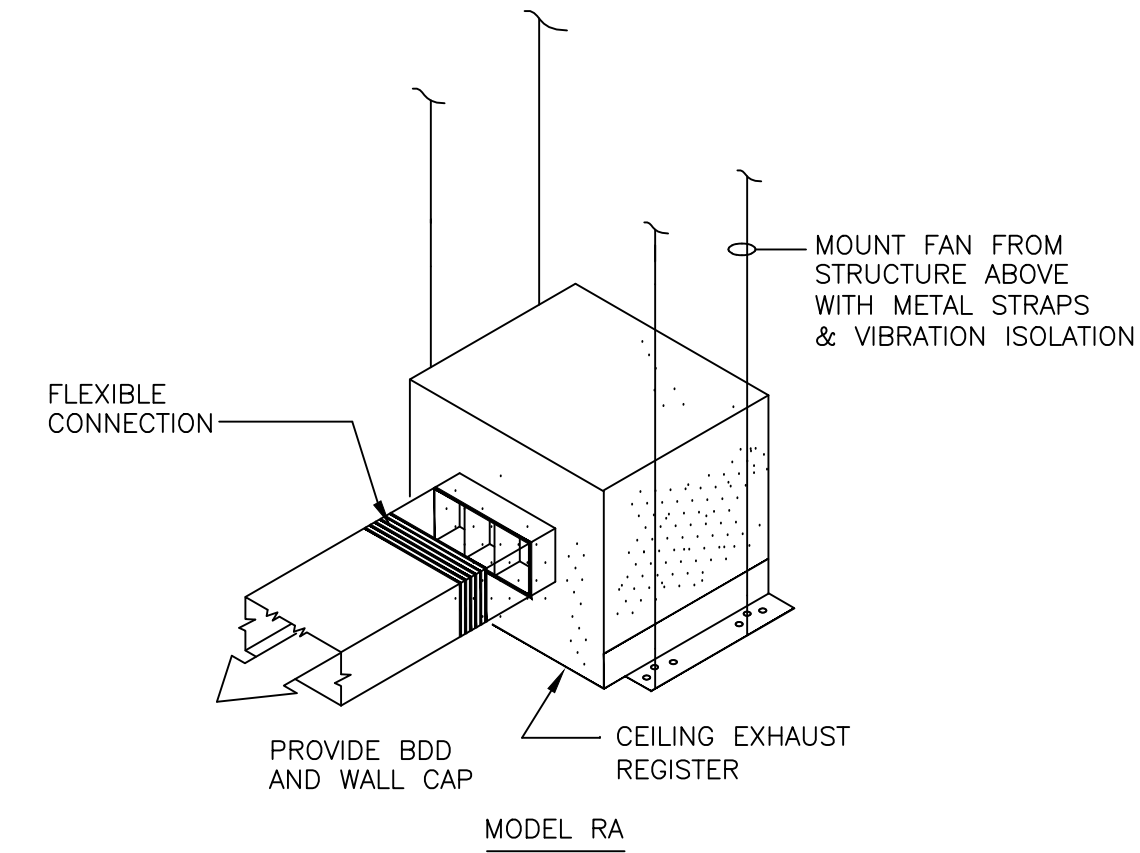
PLUMBING FIXTURE SCHEDULE									
FIXTURE NO.	DESCRIPTION	MANUFACTURER	MODEL	TRIM	PIPING CONNECTIONS				OPTIONS-ACCESSORIES
					S/W	VENT	C.W.	HW	
LV-1	COUNTER MOUNTED BATHROOM SINK, ADA	KOHLER	K-2196-1	INSIGHT FAUCET # K-13461	1 1/2"	1 1/2"	1/2"	1/2"	GRID DRAIN, MIXING VALVE, BATTERY OPERATED FAUCET
LV-2	PEDESTAL MOUNTED BATHROOM SINK, ADA	AMERICAN STANDARD	555.801	#7022801.002 FAUCET ADA	1-1/2"	1-1/2"	1/2"	1/2"	GRID DRAIN, MIXING VALVE, PEDESTAL
SK-1	1 COMPARTMENT SINK, ADA	JUST	SL-1815-A-GR	FAUCET MODEL # JBF-1600	1 1/2"	1 1/2"	1/2"	1/2"	SINK STRAINER, MIXING VALVE
WC-1	ADA WATER CLOSET- TANK TYPE	AMERICAN STANDARD	211AA.104	1.28 GPF FLUSH TANK	4"	2"	1-1/2"	-	PROVIDE SEAT AND LID.

PLUMBING SPECIFICATION

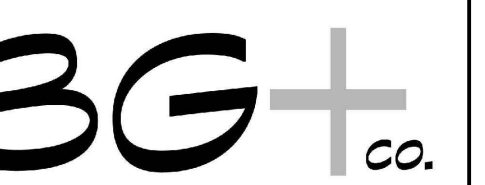
1. SCOPE OF WORK
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 - B. ALL WORK IS TO BE PERFORMED IN STRICT COMPLIANCE WITH THE INTERNATIONAL PLUMBING CODE (LATEST EDITION), ALL LOCAL CODES AND ALL OTHER REGULATION GOVERNING WORK OF THIS NATURE.
 - C. THE CONTRACTOR SHALL, BEFORE SUBMITTING ANY PROPOSAL, EXAMINE THE PROPOSED SITE AND SHALL DETERMINE FOR HIMSELF THE CONDITIONS THAT MAY AFFECT THE WORK. NO ALLOWANCE SHALL BE MADE IF THE CONTRACTOR FAILS TO MAKE SUCH EXAMINATIONS.
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4. DOMESTIC WATER SUPPLY PIPING
 - A. UNDERGROUND: PROVIDE TYPE "K" SOFT DRAWN COPPER TUBING WITH BRAZED CONNECTIONS.
 - B. ABOVE GROUND: PROVIDE TYPE "L" HARD DRAWN COPPER TUBING WITH 125 PSI SOLDER JOINTS, COPPER OR BRASS FITTINGS. ALL SOLDER TO BE "NO LEAD" TYPE.
 - C. ALL HOT WATER PIPING TO BE INSULATED WITH 1" FIBERGLASS INSULATION.
 - D. ALL COLD WATER PIPING TO BE INSULATED WITH 3/4" FOAM INSULATION.
5. SANITARY/STORM DRAINAGE AND VENT PIPING
 - A. ABOVE GRADE:
 - 2" BELOW: SCHEDULE 40 GALV. STEEL PIPE WITH SCREWED ENDS OR SOLID CORE SCHEDULE 40 PVC WITH SOLVENT JOINTS OR DWV COPPER WITH SOLDER JOINTS. ALL SOLDER TO BE "NO LEAD" TYPE.
 - 3" AND ABOVE: SERVICE WT. CAST IRON WITH NO-HUB OR BELL AND SPIGOT JOINTS, OR SOLID CORE SCHEDULE 40 PVC WITH SOLVENT JOINTS.
 - B. BELOW GRADE: SERVICE WT. CAST IRON WITH NO-HUB OR BELL AND SPIGOT JOINTS, OR SOLID CORE SCHEDULE 40 PVC WITH SOLVENT JOINTS.
 - C. PVC PIPING SHALL NOT BE USED IN AIR PLENUM CEILINGS AND SHALL NOT CROSS FIRE RATED WALLS, CEILINGS, OR FLOORS.
 - D. DRAINAGE PIPING SHALL BE RUN AS STRAIGHT AS POSSIBLE AND SHALL HAVE LONG TURN FITTINGS.
 - E. DRAINAGE PIPING 3" SIZE AND SMALLER SHALL RUN AT A UNIFORM GRADE OF AT LEAST 1/8" PER FOOT. AND PIPING LARGER THAN 3" SHALL BE RUN AT A GRADE OF NO LESS THAN 1/8" PER FOOT.
 - F. ALL VENT PIPING SHALL BE SLOPED TO DRAIN BACK TO FIXTURES.
 - G. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER FLASHING OF THE VENT PIPING RUN THROUGH THE ROOF.
 - H. PVC USED TO BE SOLID CORE TYPE SCHEDULE 40 PVC.
7. PIPE SUPPORTS
 - A. ABOVE GRADE: ALL PIPE SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE IN A NEAT AND WORKMANLIKE MANNER. THE USE OF WIRE AND PERFORATED METAL TO SUPPORT PIPES WILL NOT BE PERMITTED. SPACING OF PIPE SUPPORTS SHALL BE AS SPECIFIED IN INTERNATIONAL PLUMBING CODE (LATEST EDITION).
 - B. BELOW GRADE: EARTH SHALL BE EXCAVATED TO A MINIMUM DEPTH WITH AN EVEN SURFACE TO INSURE SOLID BEARING OF PIPE FOR ITS ENTIRE LENGTH.
 - INTERIOR: THE PIPE SHALL BE INSTALLED (UNLESS OTHERWISE SPECIFIED) A MINIMUM OF 4 INCHES BELOW THE BOTTOM OF THE SLAB AND SHALL NOT BE IN ANY DIRECT CONTACT WITH THE CONCRETE AT ANY POINT.
 - EXTERIOR: THE WATER PIPE SHALL HAVE A MINIMUM OF 60" OF COVER AND THE SANITARY WASTE PIPE SHALL HAVE A MINIMUM OF 24" OF COVER.
8. MISCELLANEOUS
 - A. COORDINATE INSTALLATION OF ALL ROOFS FLASHING AT ROOF PENETRATIONS.
 - B. DO NOT SCALE THIS DRAWING FOR EXACT DIMENSIONS. VERIFY ALL FIGURES, CONDITIONS AND DIMENSIONS AT THE JOB SITE.
 - C. THE PLUMBING PLANS ARE INTENDED TO BE DIAGRAMMATIC AND ARE BASED ON ONE MANUFACTURER'S EQUIPMENT. THEY ARE NOT INTENDED TO SHOW EVERY ITEM IN ITS EXACT LOCATION, THE EXACT DIMENSIONS OR ALL THE DETAILS OF THE EQUIPMENT. THE CONTRACTOR SHALL VERIFY THE ACTUAL DIMENSIONS OF THE EQUIPMENT PROPOSED TO ENSURE THAT THE EQUIPMENT WILL FIT THE AVAILABLE SPACE.
9. TESTING
 - A. PLUMBING SYSTEM SHALL BE FLOW AND PRESSURE TESTED IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE (LATEST EDITION).
10. GUARANTEE
 - A. MATERIALS, EQUIPMENT AND INSTALLATION SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE. DEFECTS WHICH APPEAR DURING THAT PERIOD SHALL BE CORRECTED AT THIS CONTRACTORS EXPENSE.
 - B. FOR THE SAME PERIOD THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO PREMISES CAUSED BY DEFECTS IN WORKMANSHIP OR IN THE WORK OR EQUIPMENT FURNISHED AND/OR INSTALLED BY HIM.

EXHAUST FAN SCHEDULE										
EQUIPMENT NO.	SERVICE	LOCATION	CFM	EXTERNAL STATIC PRESS (IN. W.G.)	MOTOR				MANUFACTURER & MODEL	OPTIONS/ACCESSORIES
					WATTS	HP	RPM	VOLT/PH/Hz		
EF-1	RESTROOM	CEILING	120	0.5	128.00	925	115/1/60		GREENHECK, SP-B150	NOTE 1

NOTES:
1. PROVIDE WITH SPEED CONTROL, BACKDRAFT DAMPER, ROOF CAP, AND VIBRATION ISOLATORS.



CEILING EXHAUST FAN DETAIL
NOT TO SCALE



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COLLBRAN CONGREGATIONAL
CHURCH
ADA RENOVATIONS

2003 HIGH STREET
COLLBRAN CO 81624

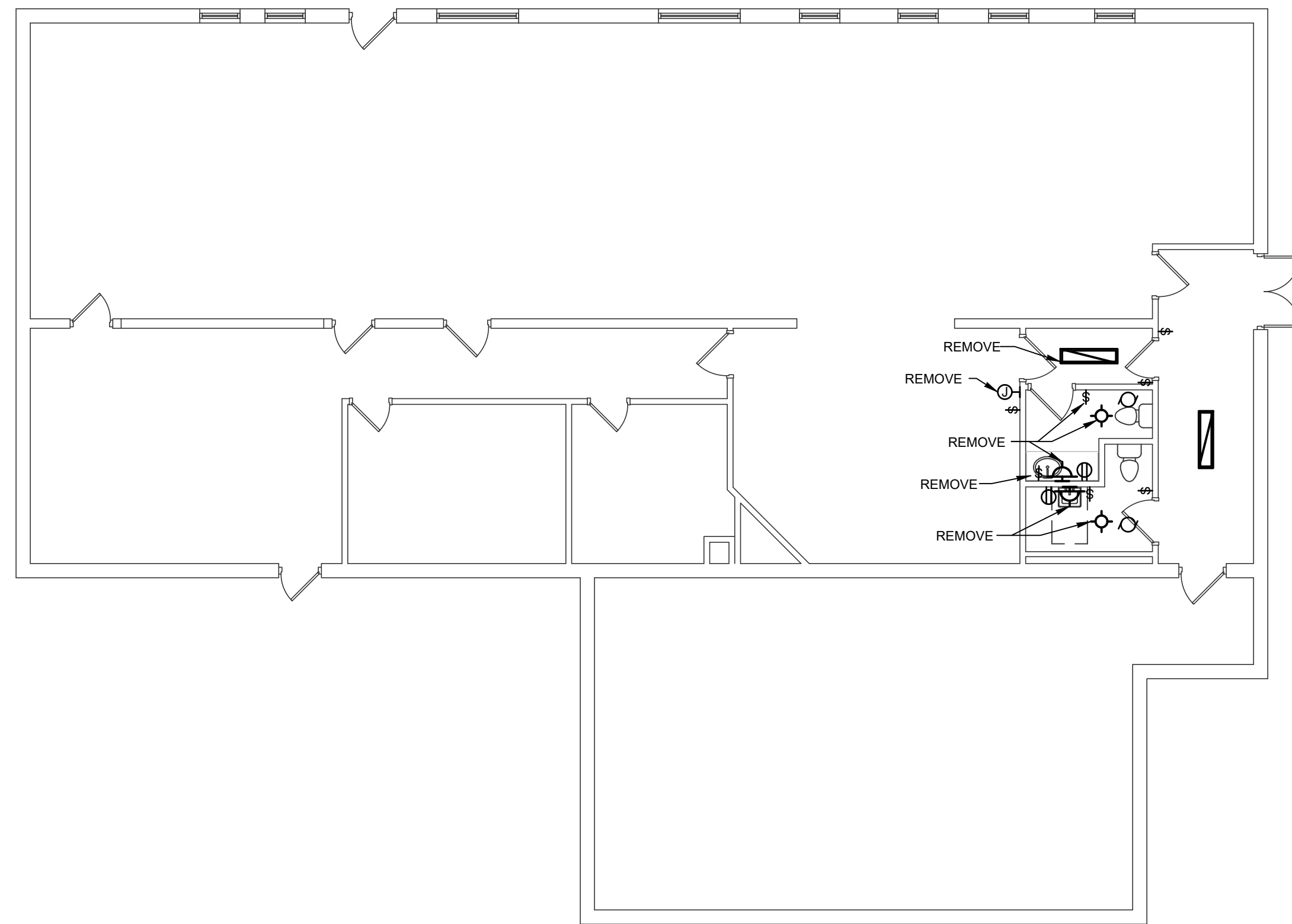
CONSTRUCTION DOCUMENTS

REV.	DESC.	DATE:

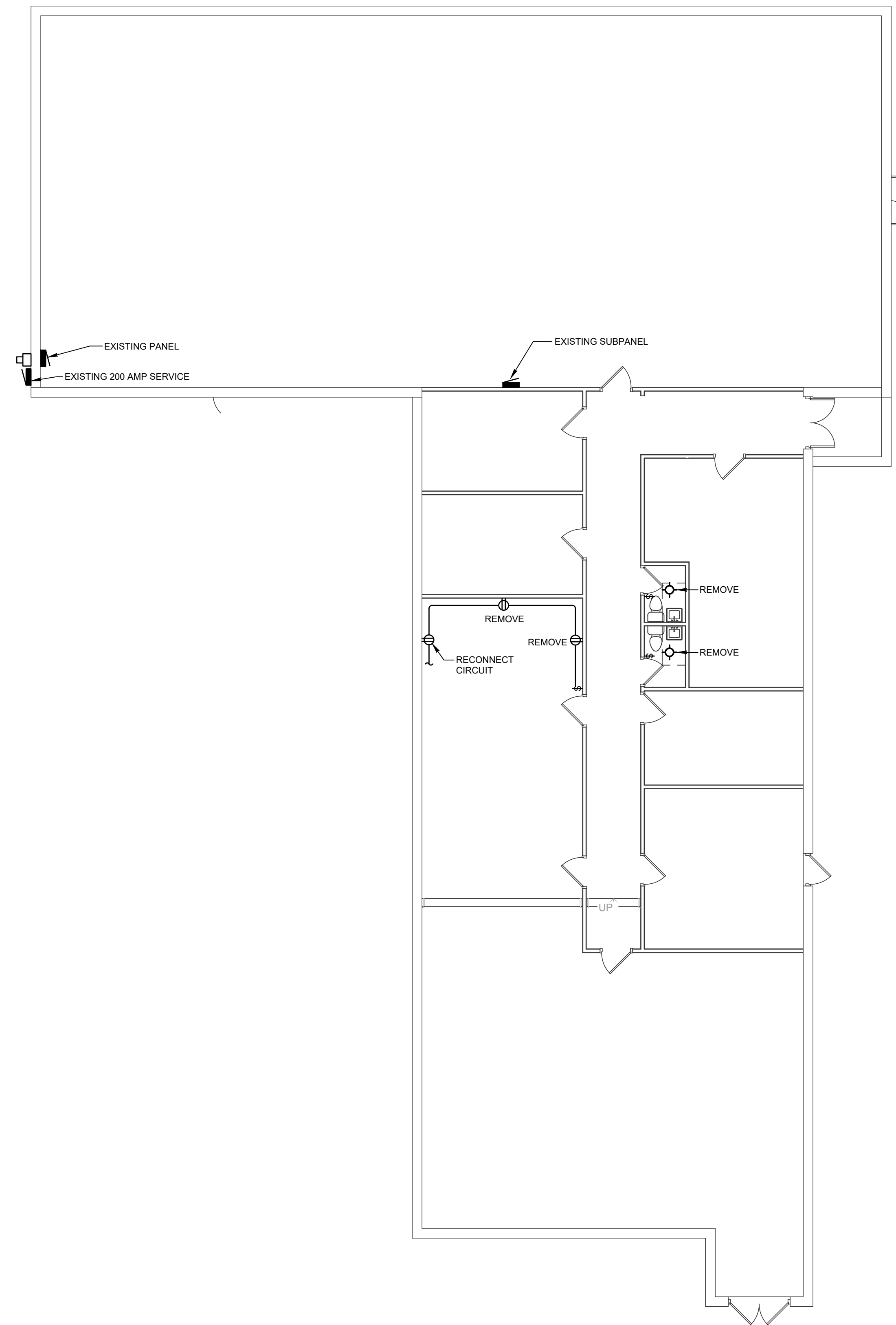
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PROJECT #: 20-227

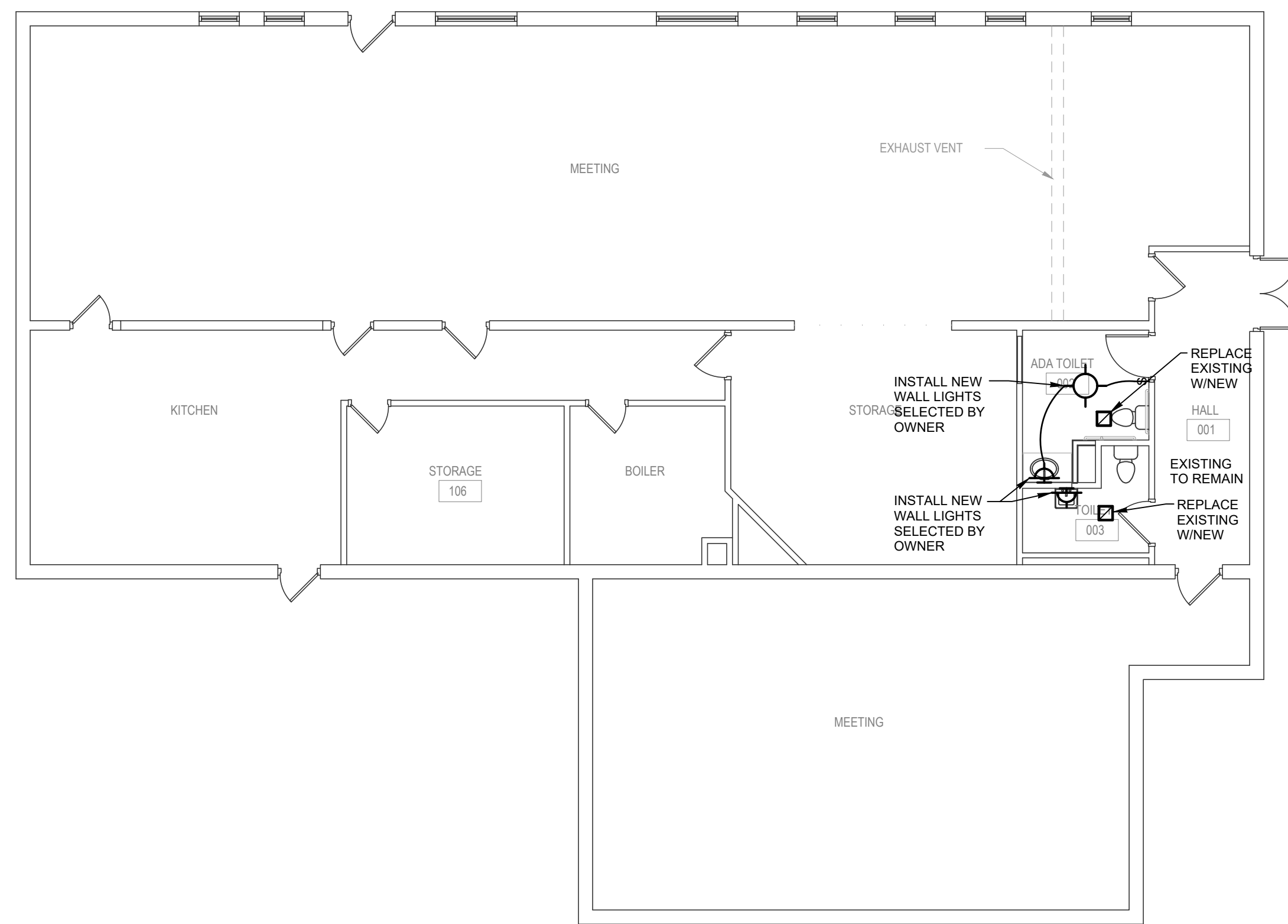
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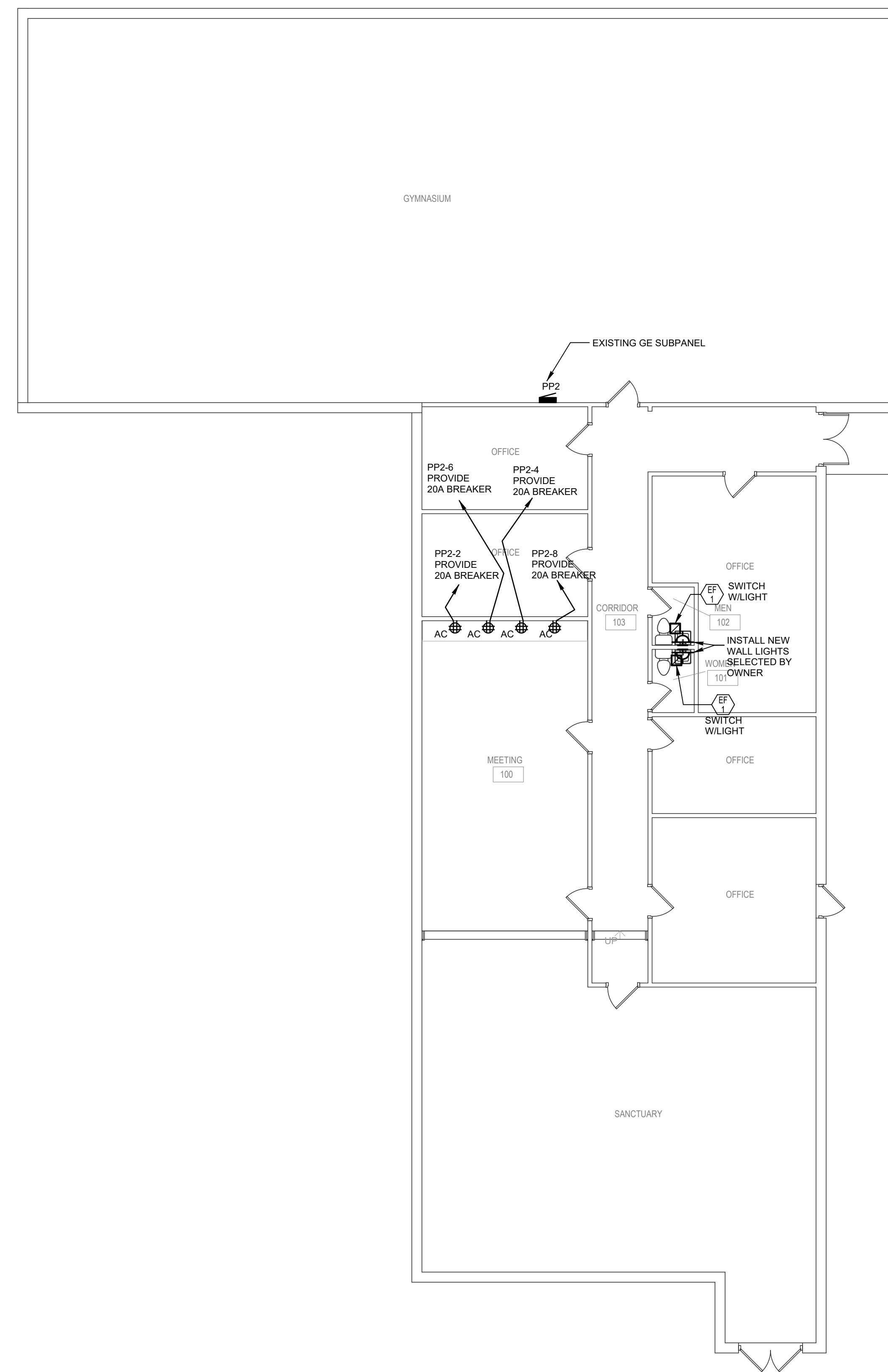
ELECTRICAL - LOWER LEVEL DEMOLITION PLAN
SCALE: 1/8"=1'-0"
NORTH



ELECTRICAL - FIRST FLOOR DEMOLITION PLAN
SCALE: 1/8"=1'-0"
NORTH



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



 **ELECTRICAL - FIRST FLOOR PLAN**
SCALE: 1/8"=1'-0"