

RENOVATION OF AYERS PRECISION MACHINING TECHNOLOGY RESTROOM

1801-M COLEMAN ROAD, ANNISTON, ALABAMA 36207
GADSDEN STATE COMMUNITY COLLEGE - AYERS CAMPUS

GADSDEN STATE COMMUNITY COLLEGE
DR. KATHY L. MURPHY PRESIDENT

OWNER GADSDEN STATE COMMUNITY COLLEGE
PO BOX 227
GADSDEN, ALABAMA 35902

ALABAMA COMMUNITY COLLEGE SYSTEM
P.O. BOX 302130
MONTGOMERY, ALABAMA 36130

ARCHITECT LATHAN ASSOCIATES ARCHITECTS, P.C.
300 CHASE PARK SOUTH
SUITE 200
HOOVER, ALABAMA 35244
EMAIL: RFI@LATHANASSOCIATES.COM

ENGINEER/CONSULTANT DEWBERRY ENGINEERS, INC.
RIVERCHASE OFFICE PLAZA #2
SUITE 205
HOOVER, ALABAMA 35244

ACCS No. 2024 012 GSCC

DRAWING INDEX (SET - 6 TOTAL SHEETS)

GENERAL (1 SHEET)

T1 - TITLE AND INDEX

ARCHITECTURAL DRAWINGS (1 SHEET)

A1 - OVERALL FLOOR PLAN, ENLARGED FLOOR PLAN, DOOR SCHEDULE, DETAILS, INTERIOR ELEVATION, REFLECTED CEILING PLAN, FINISH FLOOR PLAN, LEGENDS, AND SCHEDULES

PLUMBING DRAWINGS (2 SHEETS)

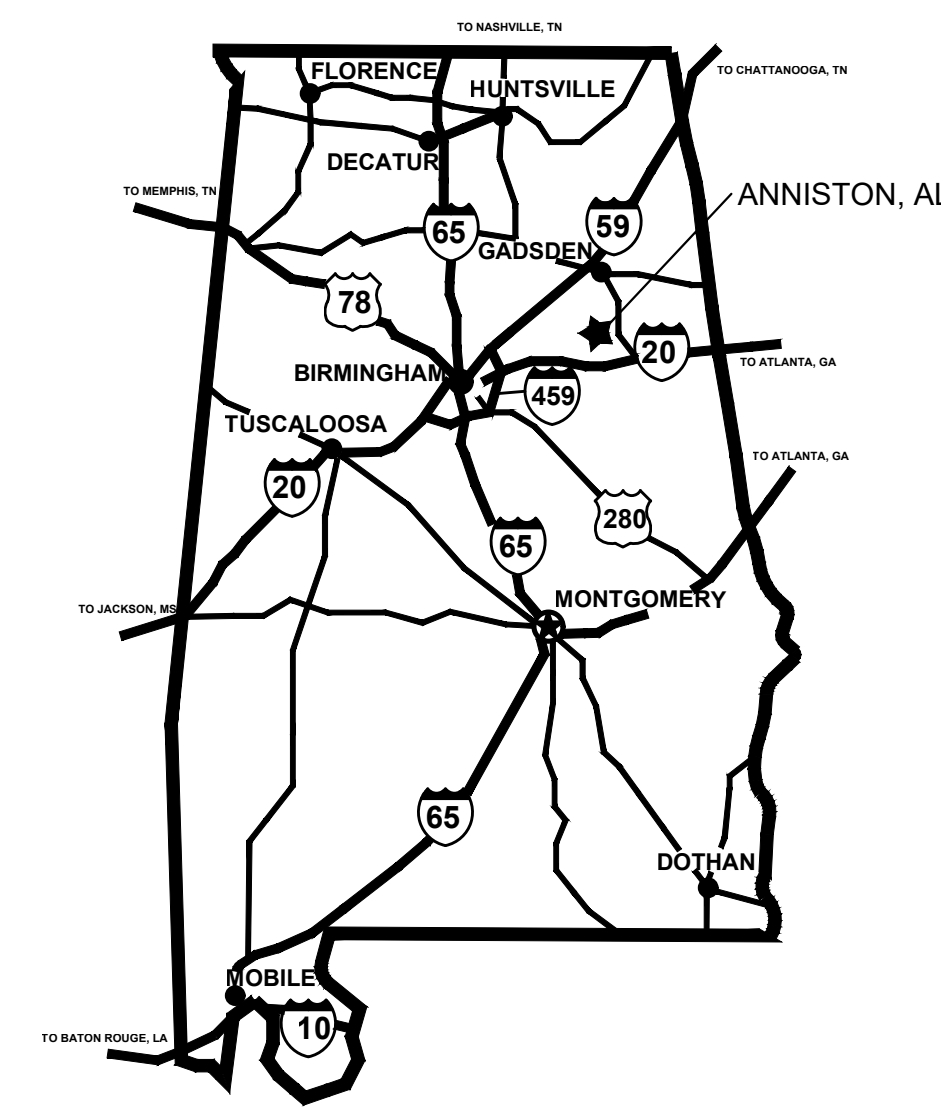
P0.1 - PLUMBING SCHEDULES AND NOTES
P1.0 - PLUMBING RESTROOM PLAN

MECHANICAL DRAWINGS (1 SHEET)

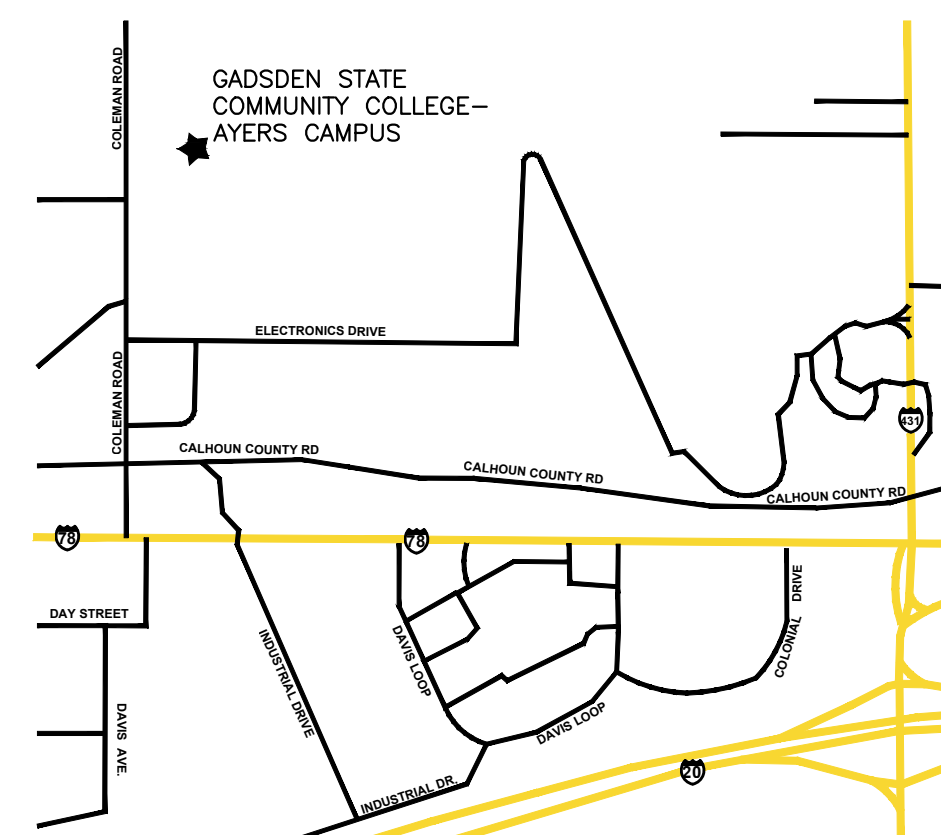
M1.0 - MECHANICAL LEGEND & FLOOR PLAN

ELECTRICAL DRAWINGS (1 SHEET)

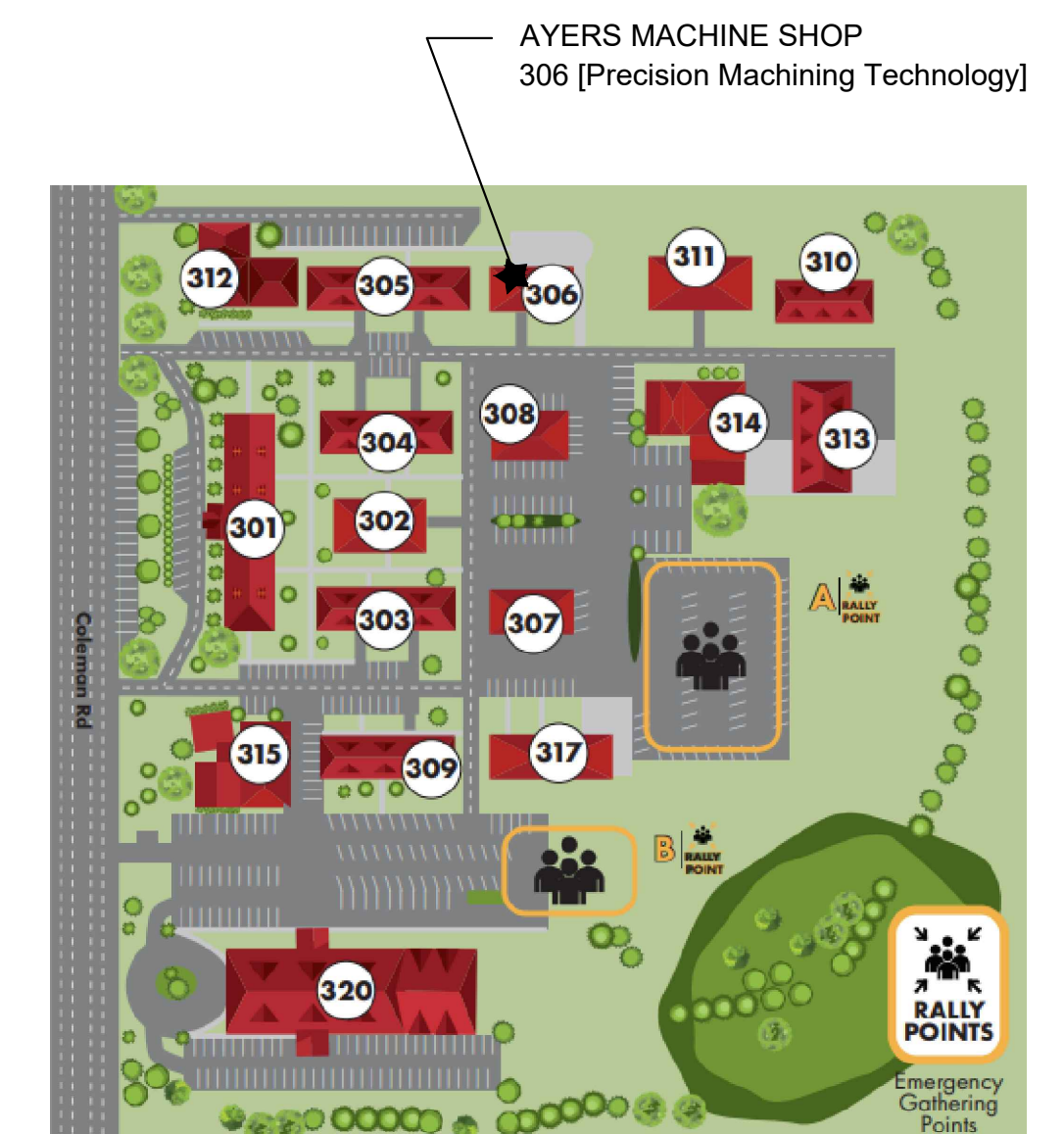
E1.0 - ELECTRICAL LEGEND & FLOOR PLAN



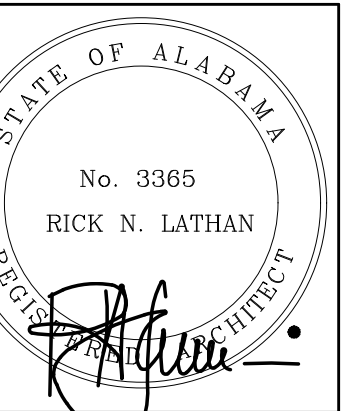
AREA MAP
STATE OF ALABAMA



VICINITY MAP
ANNISTON, ALABAMA



CAMPUS PLAN
ANNISTON, ALABAMA



SHEET TITLE:
TITLE AND INDEX

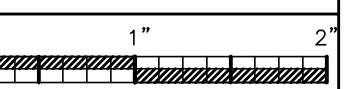
PROJ. MGR.: S. WILSON
DRAWN: —
DATE: MAY 31, 2024

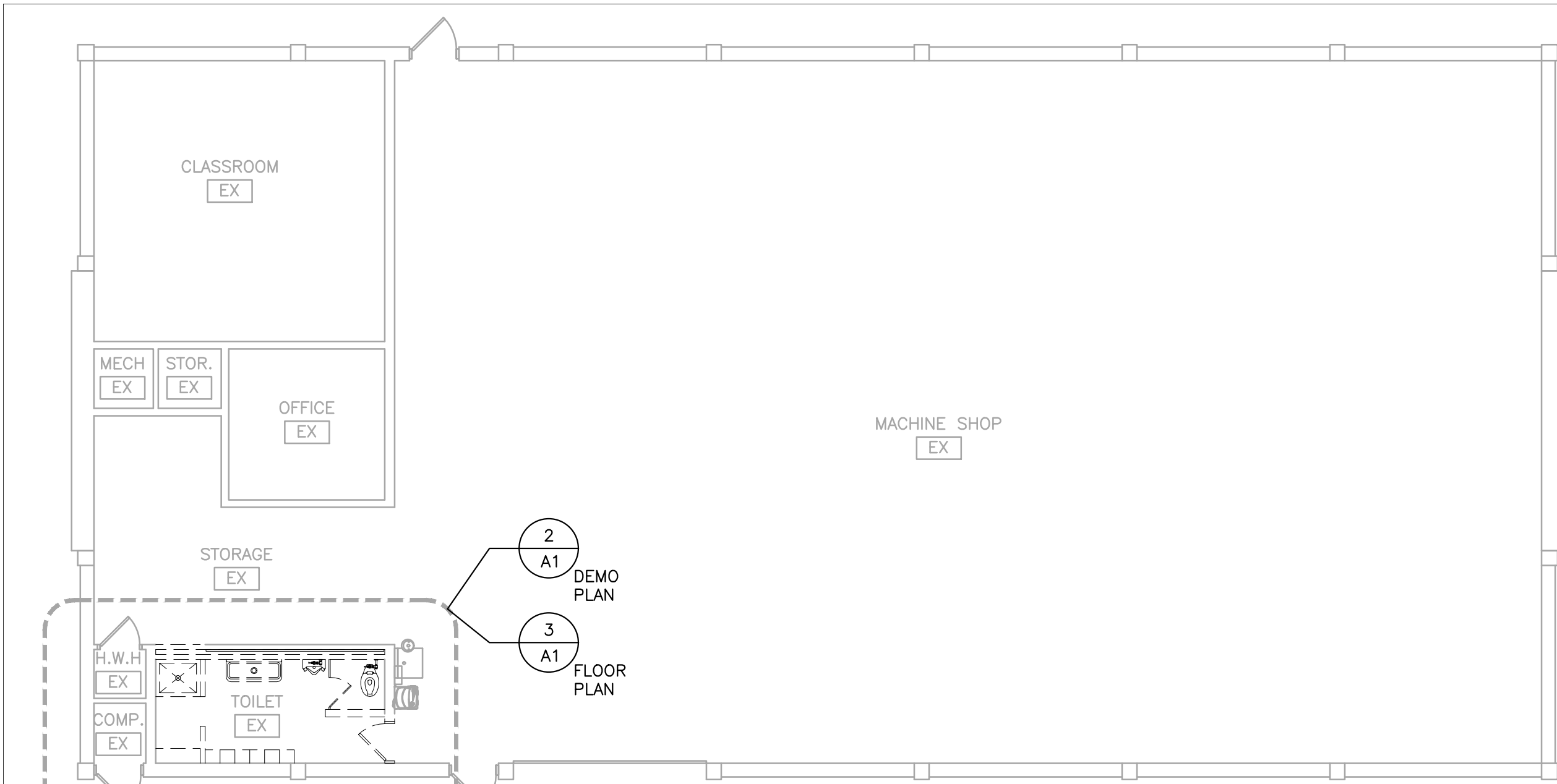
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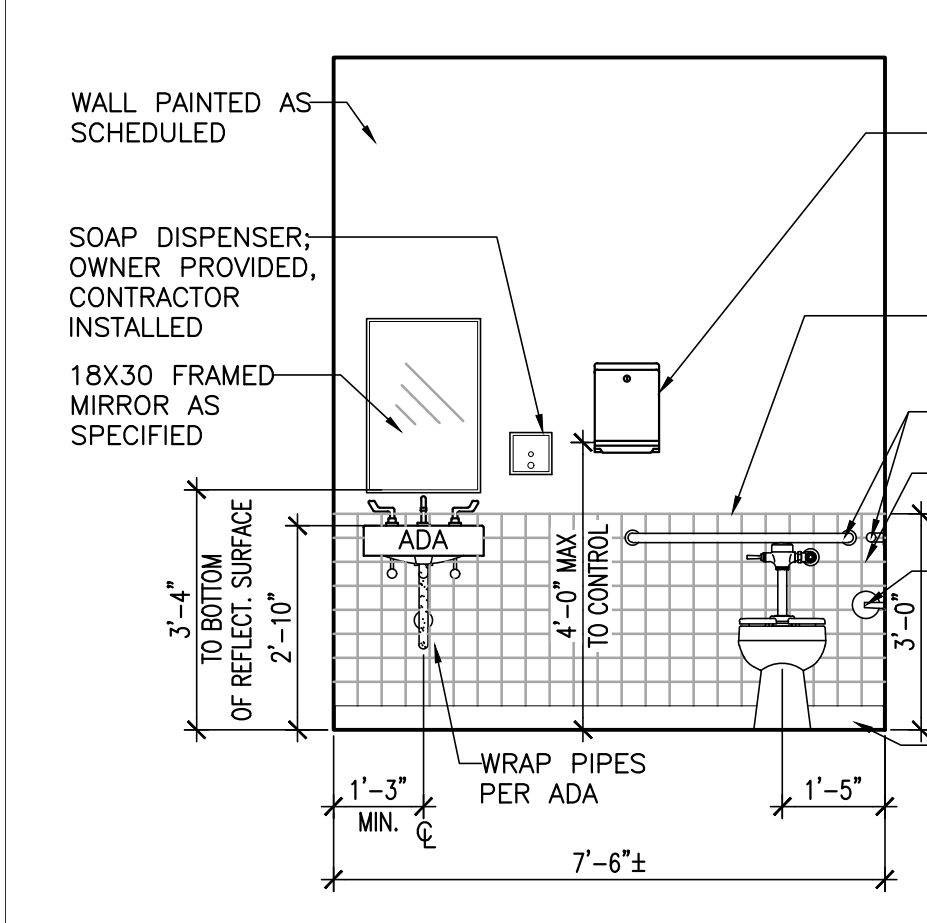
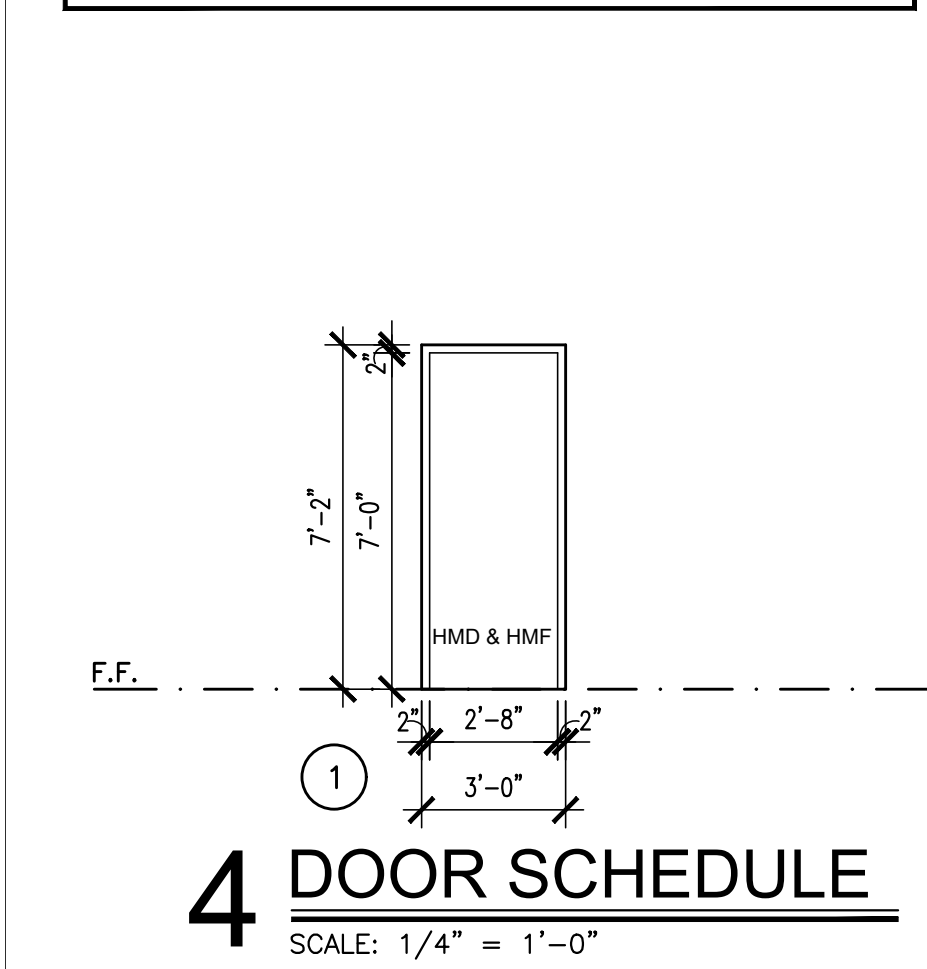
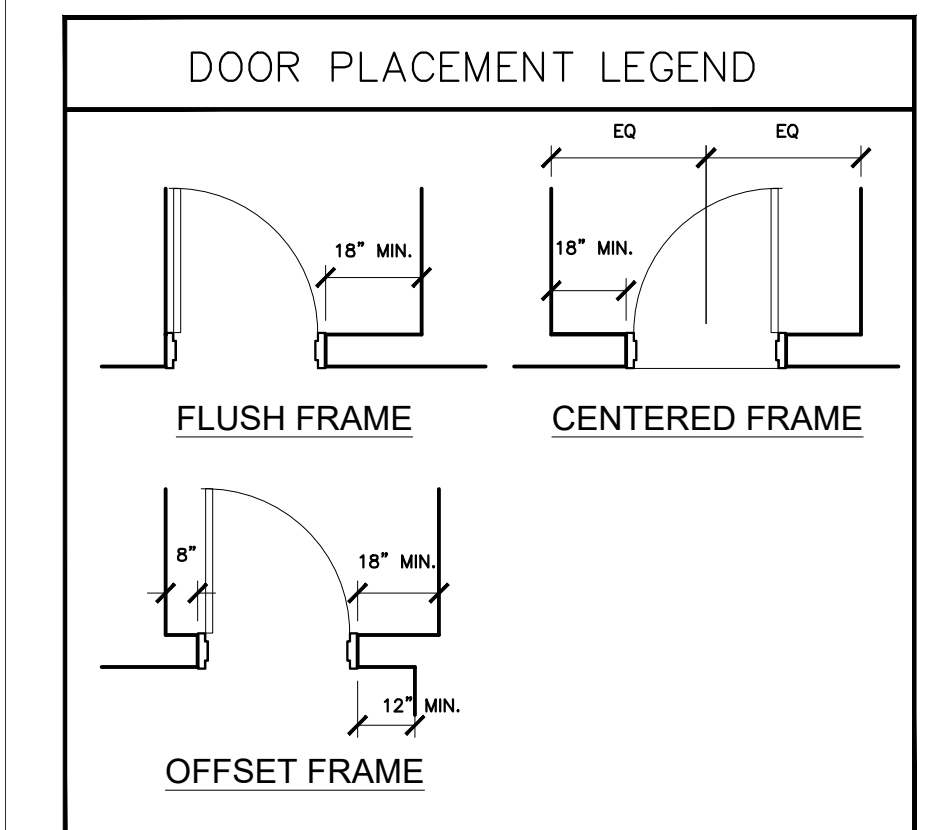
T1

1 OF 1





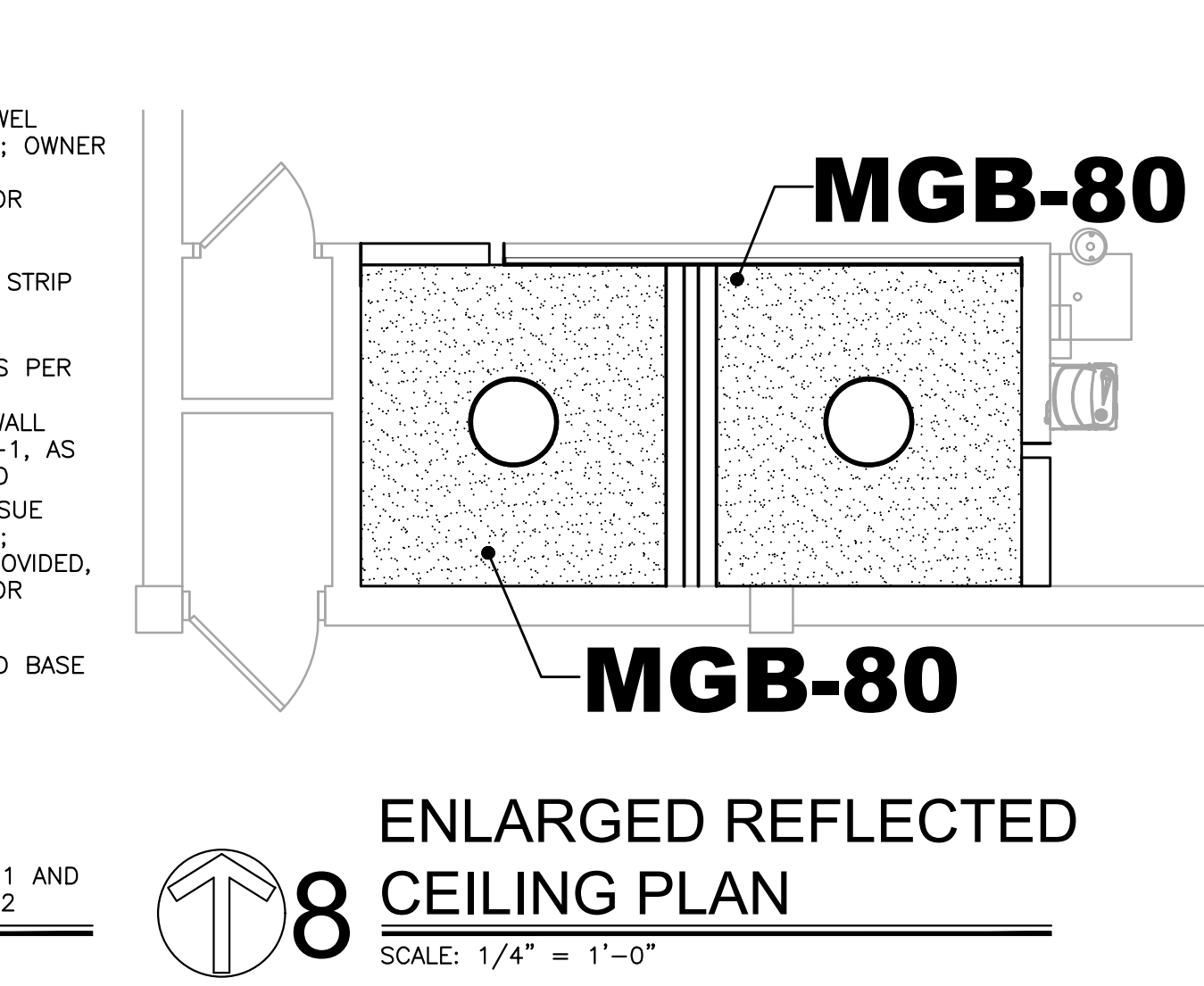
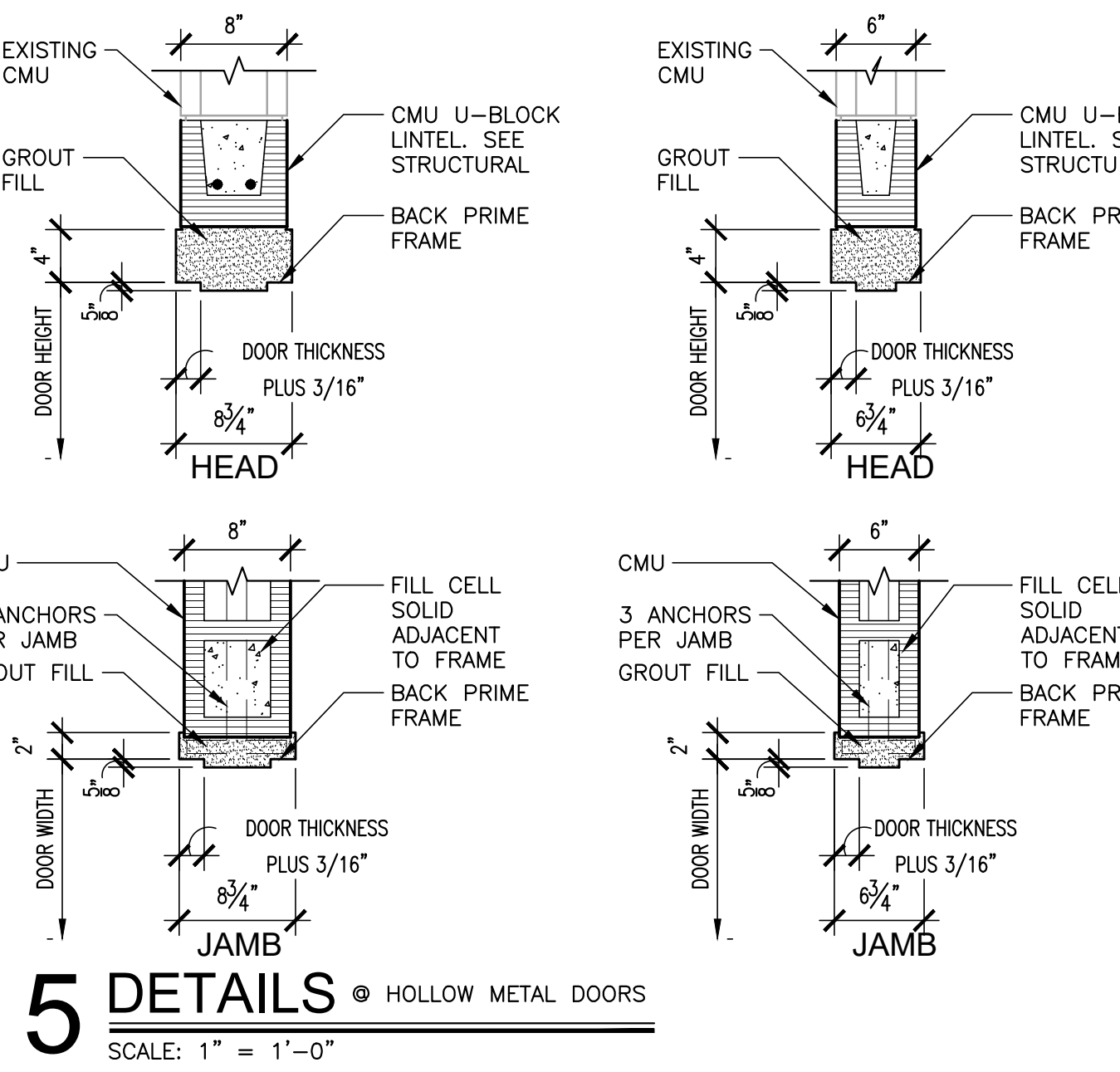
1 OVERALL FLOOR PLAN
SCALE: 1/8" = 1'-0"



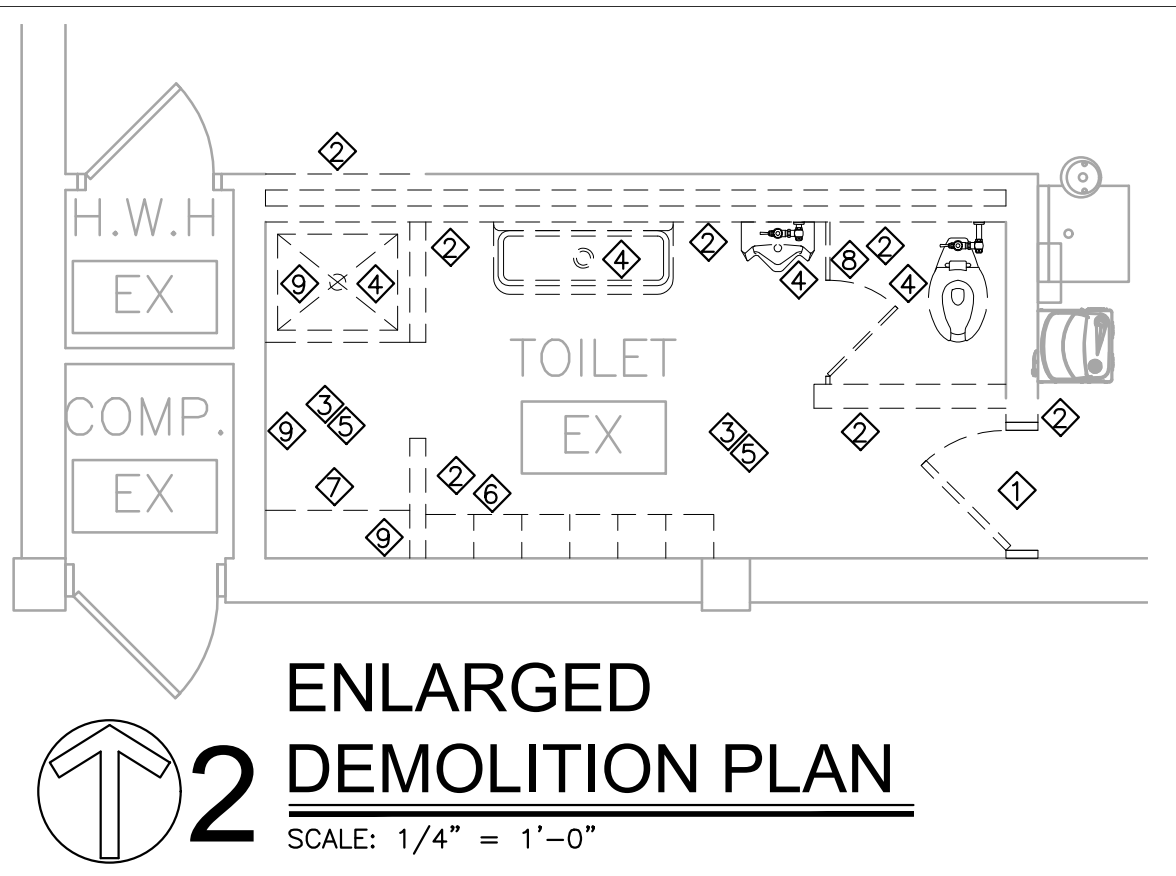
7 INTERIOR ELEVATION MEN 101 AND WOMEN 102
SCALE: 3/8" = 1'-0"

DOOR AND WINDOW LEGEND		DOOR FIRE RATING LEGEND	
HMD	HOLLOW METAL DOOR	DOOR TYPE (2)	NO RATING
HMF	HOLLOW METAL FRAME		

HARDWARE LEGEND			
HARDWARE SET: A EACH TO HAVE:			
3	HINGE	5BB1HW 4.5 X 4.5	IVE
1	PRIVACY LOCK	ND40 OS-OCC	SCH
1	SURFACE CLOSER	4011 MC TBSRT	LCN
1	MOP CLOCK	8400 6" X 1" LDW B-CS	IVE
1	KICK PLATE	8400 8" X 2" LDW B-CS	IVE
1	WALL STOP	WS4011402CCV	IVE
1	GASKETING	188SBK PSA	ZER



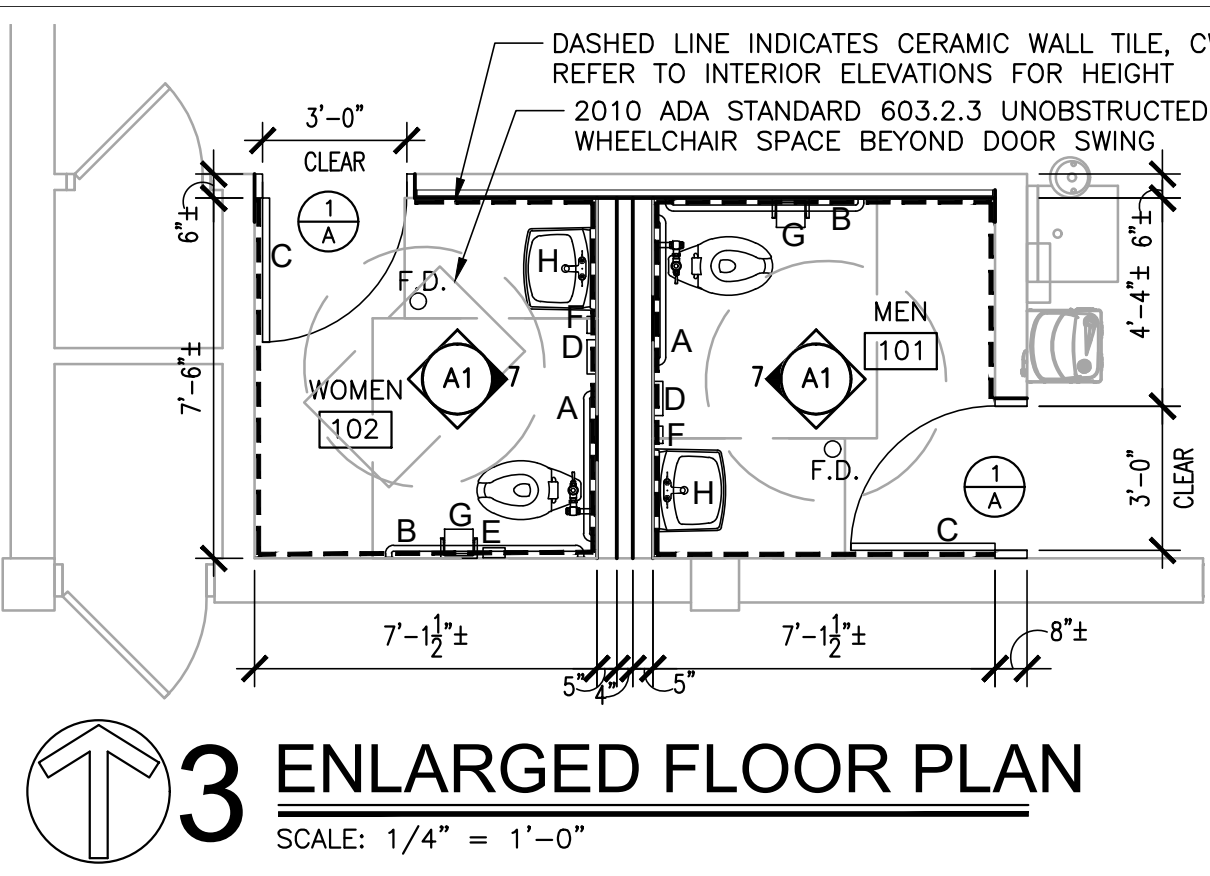
8 ENLARGED REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"



2 ENLARGED DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

DEMOLITION NOTES

- DEMOLITION SCOPE OF WORK SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING: ALL EXISTING FLOOR FINISHES, ALL CEILING SYSTEMS, GYPSUM BOARD SOFFITS, WALL & ASSOCIATED DOOR AS INDICATED, ALL PLUMBING FIXTURES & ACCESSORIES, ETC. IT IS THE INTENT OF THESE DOCUMENTS FOR ALL DEMOLITION WORK AS REQUIRED TO PROVIDE NEW CONSTRUCTION TO BE INCLUDED IN BASE BID, WHETHER INDICATED OR NOT. DASHED LINES INDICATE GENERAL EXISTING CONSTRUCTION TO BE REMOVED. CONTACT ARCHITECT FOR DEMOLITION CLARIFICATION IF UNCLEAR ON WHICH ITEMS ARE TO BE REMOVED.
- GENERAL CONTRACTOR SHALL REMOVE ALL ABANDONED ARCHITECTURAL, PLUMBING, MECHANICAL, ELECTRICAL CONSTRUCTION. PROTECT ITEMS TO BE RELOCATED OR DESIGNATED AS SALVAGED.
- CONTRACTOR SHALL PROTECT EXISTING CONSTRUCTION & SYSTEMS TO REMAIN AND CORRECT ANY DAMAGE RESULTING FROM DEMOLITION WORK. PROTECT FIRE ALARM SYSTEM AND MAINTAIN OPERATIONAL. MAINTAIN EXISTING FIRE WALL FUNCTIONAL.
- COORDINATE WITH FINISH LEGEND AND SCHEDULE TO DETERMINE EXISTING SURFACES TO RECEIVE NEW FINISHES REMOVE EXISTING FINISHES AS REQUIRED AND MAKE EXISTING SURFACES READY TO RECEIVE NEW FINISHES. PATCH AND/OR REPAIR EXISTING ADJACENT CONSTRUCTION TO REMAIN.
- DISCONNECT & REMOVE ANY EXISTING ABANDONED FLOOR CONDUIT AND OUTLETS. PATCH AND REPAIR SLAB.
- CONTACT AND COORDINATE W/ ARCHITECT BEFORE REMOVING OR ALTERING ANY STRUCTURAL COMPONENTS. SEE RESPECTIVE PLUMBING, HVAC AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
- COORDINATE WITH THE OWNER BEFORE REMOVING ANY SALVAGEABLE MATERIALS & EQUIPMENT.
- DEMOLITION WORK SHALL NOT CHANGE THE INTEGRITY OF EXISTING STRUCTURE, FIRE ALARM SYSTEM & FIRE RATED CONSTRUCTION TO REMAIN. ANY EXISTING FIRE RATED CONSTRUCTION TO REMAIN WHICH HAS BEEN AFFECTED BY DEMOLITION WORK MUST BE CORRECTED AND MADE TO MEET THE ORIGINAL RATING. COORDINATE WITH ARCHITECTURAL, MECHANICAL, PLUMBING & ELECTRICAL DRAWINGS TO DETERMINE LIMITS OF DEMOLITION REQUIRED FOR NEW CONSTRUCTION.

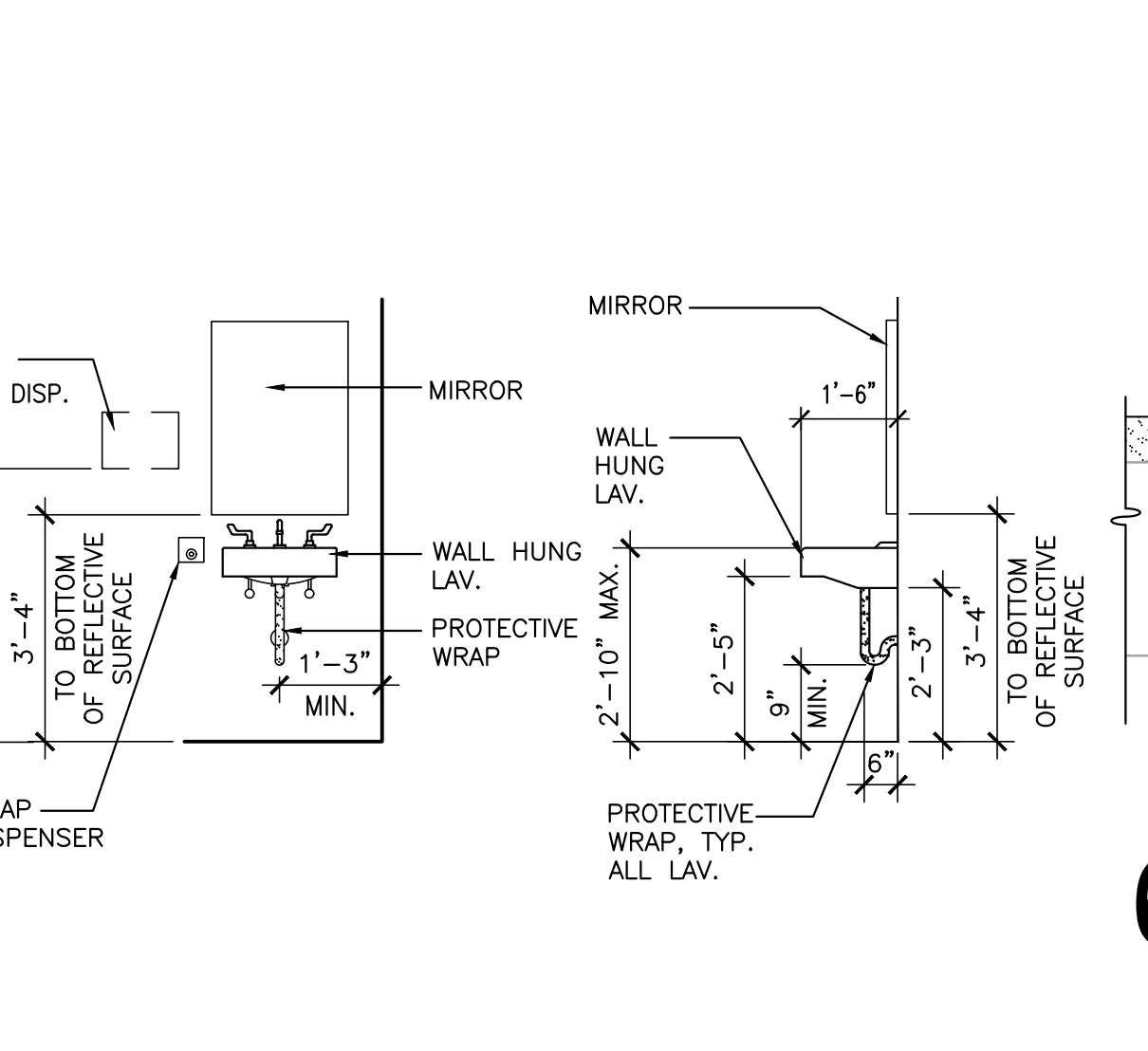


3 ENLARGED FLOOR PLAN
SCALE: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

- REMOVE DOOR, FRAME, AND ALL ASSOCIATED CONSTRUCTION.
- SELECTIVELY REMOVE PORTION OF EXISTING WALL AND ASSOCIATED CONSTRUCTION.
- REMOVE CEILING TILE SYSTEM, LIGHTS AND MECHANICAL GRILLES AS REQUIRED FOR NEW LAYOUT.
- REMOVE PLUMBING FIXTURES AND ACCESSORIES, CAP OFF PLUMBING SUPPLY AT LOCATION REQUIRED AND PREPARE FOR NEW CONSTRUCTION. SEE PLUMBING.
- REMOVE EXISTING FLOORING, EXISTING BASE AND PREP EXISTING SUBSTRATE AS REQUIRED TO RECEIVE NEW FINISH FLOORING AND NEW BASE.
- REMOVE EXISTING LOCKERS AND ASSOCIATED CONSTRUCTION.
- REMOVE EXISTING BENCH AND ASSOCIATED CONSTRUCTION.
- REMOVE EXISTING TOILET PARTITIONS AND ASSOCIATED CONSTRUCTION.
- REMOVE EXISTING WALL TILE, PREPARE SUBSTRATE AS REQUIRED TO ACCEPT NEW WALL FINISHES AS INDICATED.

DEMOLITION LEGEND	
	EXISTING WALL TO BE REMOVED
	EXISTING WALL/PARTITION PORTION TO REMAIN
	EXISTING DOOR TO REMAIN
	KEY NOTE



TYPICAL ADA DETAILS
NOT TO SCALE

FINISH SCHEDULE											
NO.	ROOM NAME	FLOOR	BASE	MILLWORK	WALLS	DOOR	CEILING/SOFFIT	NOTES			
				FACE TOP	NORTH	SOUTH	EAST	WEST	PNT-1	PNT-2	
101	VESTIBULE	ERF-1	RB-1	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	EPOXY PAINT ON ALL WALLS AND CEILING
102	CONCESSIONS	ERF-1	RB-1	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	EPOXY PAINT ON ALL WALLS AND CEILING

BASE				EPOXY			
ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION/NOTES	ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION/NOTES
RB-1	MANNINGTON	COLOR: BLACK	SEE FINISH SCHEDULE	ERF-1	TORGNO	COLLECTION: COLOR FLAKES COLOR: OUTBACK FB-517 SIZE: 1/4" SCALE	SEE FINISH SCHEDULE

PAINT				CERAMIC WALL TILE			
ITEM	MANUFACTURER	ITEM NUMBER/NAME	TYPE/LOCATION	ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION/NOTES
PNT-1	SHERWIN WILLIAMS	COLOR: VERSATILE GRAY SW6072	GENERAL WALL, TRIM AND DOOR	CWT-1	DALTILE	COLLECTION: COLOR WHEEL CLASSIC COLOR: ARCTIC WHITE SIZE: 4X4	SEE FINISH SCHEDULE
PNT-2	SHERWIN WILLIAMS	COLOR: CEILING BRIGHT WHITE SW7007	GENERAL CEILING				

SYMBOLS LEGEND	
A200	ROOM NUMBER
F.D.	FLOOR DRAIN
F	PARTITION TYPE
	EXISTING DOOR
	DOOR TYPE
	DOOR RATING
	HARDWARE SYMBOL
5	ELEV. MARK
AS.1	SHEET NUMBER INT. ELEVATION
	NEW DOOR AND SWING

GENERAL NOTES

SEE ARCHITECTURAL FINISH PLANS AND SPECIFICATIONS FOR AREAS REQUIRING THICKSET OR THINSET CERAMIC TILE INSTALLATION. COORDINATE WITH SUBCONTRACTOR AND DROP CONCRETE FLOOR SLAB IN SUCH AREAS AS REQUIRED AND RECOMMENDED BY THE TILE MANUFACTURER AND THE "TILE COUNCIL OF AMERICA". PROVIDE SLOPE FOR POSITIVE DRAINAGE IN AREAS WITH FLOOR DRAINAGE SYSTEM.

EXTEND & KEY RATED WALLS TO BOTTOM OF ROOF DECK - SEE LIFE SAFETY DRAWINGS FOR RATED WALL LOCATIONS.

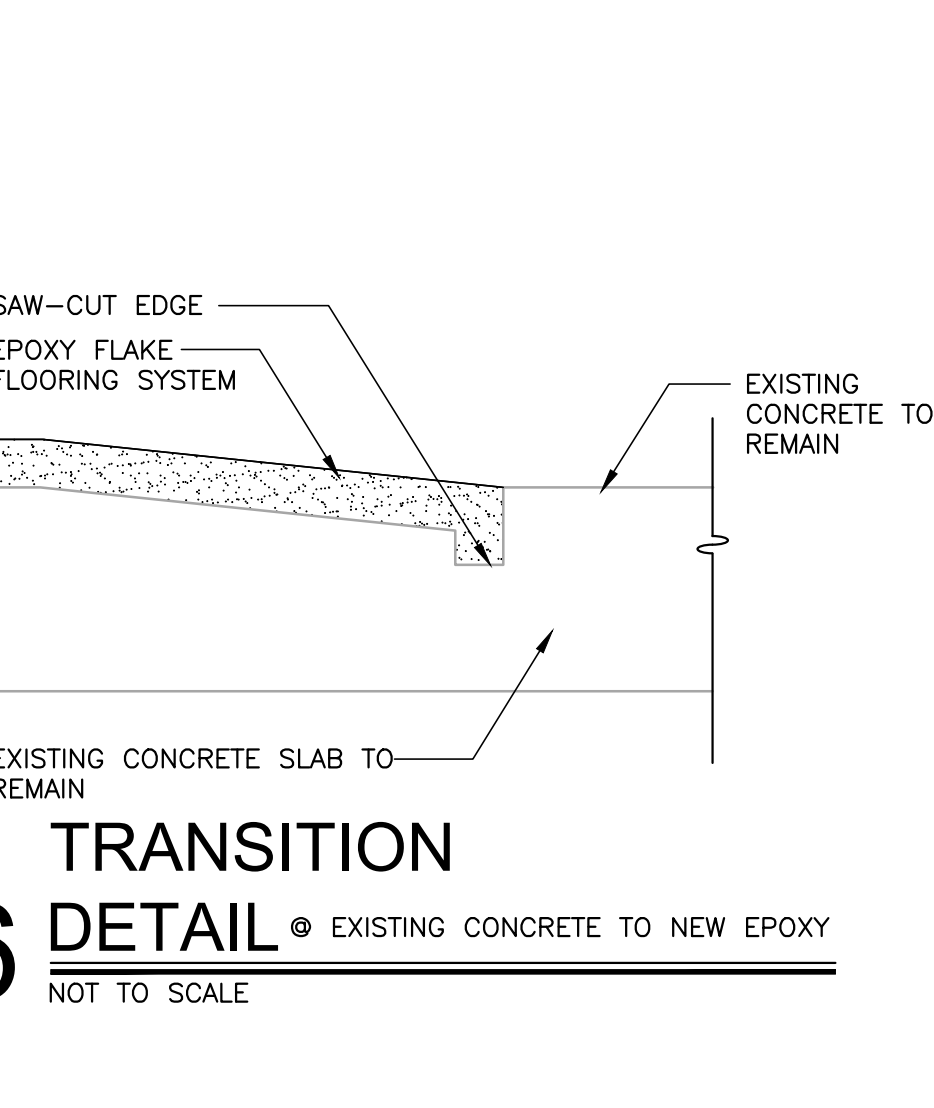
COORDINATE W/ ELECTRICAL & MECHANICAL AND PROVIDE CONCRETE EQUIPMENT PAD AS REQUIRED

ALL PLAN DIMENSIONS ARE TO FACE OF CMU AND TO OUTSIDE OF BRICK, STONE AND TO FACE OF GYP. BD. UNLESS NOTED OTHERWISE

SLOPE FINISH FLOOR TO FLOOR DRAINS. SEE PLUMBING FOR LOCATIONS OF FLOOR DRAINS.

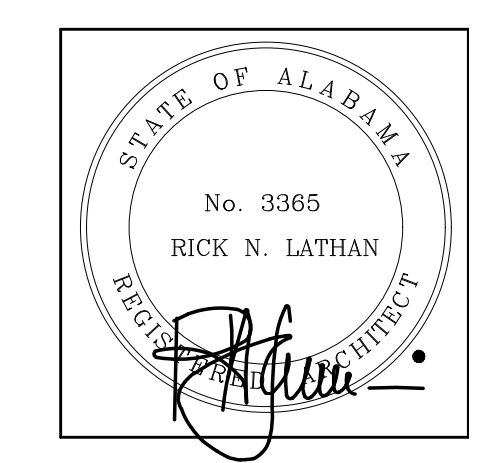
2021 INTERNATIONAL BUILDING CODE REQUIRED BY ACCS:
A. 2021 - INTERNATIONAL EXISTING BUILDING CODE.
B. 2021 - INTERNATIONAL PLUMBING CODE.
C. 2021 - INTERNATIONAL FUEL GAS CODE.
D. 2021 - INTERNATIONAL MECHANICAL CODE.
E. 2020 - NATIONAL ELECTRICAL CODE (NFPA 70).
F. 2021 - INTERNATIONAL FIRE CODE.
G. ANSISHRAE/IES STANDARD 90.1 - 2013 ENERGY STANDARD FOR BUILDINGS.
H. 2010 - ADA STANDARDS FOR ACCESSIBLE DESIGN.
I. 2019 NFPA 72: NATIONAL FIRE ALARM AND SIGNALING CODE (NFPA 72).

TOILET ACCESSORY LEGEND	
A	36" S.S. GRAB BAR
B	42" S.S. GRAB BAR
C	COAT HOOK (MOUNTED ON INTERIOR OF DOOR)
D	PAPER TOWEL DISPENSER - (N.I.C.) BY OWNER
E	FEMININE NAPKIN DISPOSAL
F	SOAP DISPENSER - (N.I.C.) BY OWNER
G	TOILET TISSUE DISPENSER - (N.I.C.) BY OWNER
H	FRAMED MIRROR 18" X 30"



6 TRANSITION DETAIL EXISTING CONCRETE TO NEW EPOXY
NOT TO SCALE

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AYERS PRECISION MACHINING TECHNOLOGY RESTROOM
1801-M COLEMAN ROAD, ANNISTON, AL 36202
GADSDEN STATE COMMUNITY COLLEGE



SHEET TITLE:
OVERALL FLOOR PLAN,
ENLARGED FLOOR PLAN,
DOOR SCHEDULE, DETAILS,
INTERIOR ELEVATION,
REFLECTED CEILING PLAN,
FINISH FLOOR PLAN,
LEGENDS, AND SCHEDULES

PROJ. MGR.: S. WILSON
DRAWN: K. JOINER
DATE: MAY 31, 2024
REVISIONS

JOB NO. **24-18**
SHEET NO:
A1
1 OF 1

PLUMBING LEGEND					
	BALANCE VALVE	DN	DOWN		
	BALL VALVE	GPH	GALLONS PER HOUR		
	CHECK VALVE	GPM	GALLONS PER MINUTE		
	FLOOR DRAIN	HW	HOT WATER		
	PLUMBING FIXTURE	EX	EXISTING		
	ABOVE				
	ABOVE FINISHED FLOOR				
	BACKFLOW PREVENTER				
	COLD WATER				

PLUMBING SPECIFICATIONS

- SANITARY PIPING SHALL BE SCHEDULE 40 PVC ASTM D-2665. JOINTS SHALL BE SOLVENT WELDED ASTM B-2564. PVC LOCATED IN A RETURN PLENUM SHALL BE WRAPPED WITH INSULATION MEETING ASTM E84.
- CONNECT TO EXISTING PIPING AS SHOWN ON THE DRAWINGS. CONTRACTOR SHALL CONFIRM EXACT SIZE, LOCATION, INVERT, AND DIRECTION OF FLOW OF EXISTING PIPING PRIOR TO BEGINNING ANY WORK.
- DOMESTIC WATER PIPING SHALL BE TYPE "L" COPPER TUBE ASTM C-88. FITTINGS TO MEET ANSI B-16.18 OR B-16.22. JOINTS SHALL BE SOLDERED AND 100% LEAD FREE.
- CONNECT TO EXISTING WATER PIPING AS SHOWN ON THE DRAWINGS. PATCH INSULATION AT POINT OF NEW CONNECTION. CONTRACTOR SHALL CONFIRM EXACT SIZE AND LOCATION OF EXISTING PIPING PRIOR TO BEGINNING ANY WORK.
- CONNECT TO EXISTING PIPING AS SHOWN ON DRAWINGS. CONTRACTOR SHALL COORDINATE EXACT LOCATION AND SIZE OF EXISTING PIPING AS SHOWN ON DRAWINGS.
- INSTALL APPLIANCE TYPE REGULATORS AS SHOWN ON DRAWINGS. REGULATORS SHALL HAVE VENT LIMITING DEVICE AS REQUIRED BY LOCAL CODE AND LOCAL UTILITY, OR SHALL BE VENTED TO THE EXTERIOR AS APPROVED BY ARCHITECT.
- SANITARY SYSTEM TEST: TEST PIPING BY STOPPING LOWER OUTLETS AND FILLING WITH WATER TO 10' HYDROSTATIC HEAD. STOP LEAKS AND REPEAT TEST UNTIL WATERTIGHT. ALL JOINTS SHALL BE EXPOSED THROUGHOUT TEST.
- PROVIDE "BALL TEST" ON ALL PIPING 3" AND LARGER WITH BALL 1/2" SMALLER THAN PIPE DIAMETER.
- PROVIDE VISUAL INSPECTION OF ALL BUILDING DRAIN PIPING BELOW GRADE. VISUAL INSPECTION SHALL BE BY MEANS OF A VIDEO CAMERA ROUTED THROUGH THE DRAIN SYSTEM. WHERE THE DRAIN PIPING IS CONNECTED TO EXISTING DRAIN PIPING, THE VISUAL INSPECTION SHALL INCLUDE THE EXISTING DRAIN PIPING FROM THE POINT OF CONNECTION, DOWNSTREAM TO THE POINT OF CONNECTION TO THE PUBLIC UTILITY. A VIDEO TAPE AND WRITTEN REPORT, NOTING ANY DEFECTS, ON THE FINDINGS OF THE VISUAL INSPECTION SHALL BE PROVIDED TO THE OWNER WITH THE CLOSE-OUT DOCUMENTS. THE PLUMBING CONTRACTOR SHALL PROVIDE PERSONNEL AND EQUIPMENT REQUIRED FOR THE VISUAL INSPECTION.
- DOMESTIC WATER PIPING TEST: ON COMPLETION OF ROUGHING-IN, CAP ALL OUTLETS, MAKE CONNECTIONS WITH HOUSE SUPPLY LINE, AND PUT UNDER FULL WATER PRESSURE. TEST BY APPLYING ADDITIONAL PRESSURE (BY TEMPORARY PUMP OR COMPRESSED AIR CONNECTION) TO TOTAL HYDROSTATIC PRESSURE 1-1/2 TIMES STREET PRESSURE BUT NOT LESS THAN 150 PSIG FOR NOT LESS THAN 4 HOURS.
- IMMEDIATELY AND COMPLETELY STOP ALL LEAKS AND RETEST UNTIL SYSTEM IS WATERTIGHT. AFTER TESTING, LEAVE GENERAL PRESSURE ON UNTIL READY TO INSTALL FIXTURE (EXCEPT WHEN NECESSARY TO DRAIN TO AVOID FREEZING DURING CONSTRUCTION). AFTER COMPLETION OF ALL TESTS, REPAIRS AND INSTALLATION OF FIXTURES, FLUSH ALL DOMESTIC HOT AND COLD WATER PIPING WITH WATER TO REMOVE ALL SEDIMENT SCALE AND UNTIL WATER RUNS CLEAR, THEN DISINFECT.
- DISINFECT PIPING WITH HYPOCHLORITE SOLUTION OF CHLORINE OR COMPRESSED CHLORINE GAS APPLIED THROUGH ON APPROVED CHLORINATOR. OPERATE ALL VALVES AND FAUCETS SEVERAL TIMES TO INSURE THE CHLORINE REACHES ALL PARTS OF THE SYSTEM. FEED WATER AND CHLORINATION AGENT INTO THE SYSTEM AT RATES THAT WILL PROVIDE A RESIDUAL CHLORINE CONTENT OF NOT LESS THAN 50 PPM AFTER A RETENTION PERIOD OF 6 HOURS AND 10 PPM AFTER A RETENTION PERIOD OF 24 HOURS. UPON COMPLETION OF TREATMENT, FLUSH TREATED WATER FROM EACH SYSTEM UNTIL THE WATER SUPPLY IS SATISFACTORY TO THE PUBLIC HEALTH AUTHORITY HAVING JURISDICTION. PROVIDE ARCHITECT A CERTIFICATE OF COMPLIANCE FROM THE LOCAL HEALTH DEPARTMENT.
- CLEAN AIR AERATORS, HOSE SPRAYS, FLUSH VALVES, ETC. AND ADJUST TO PROPER FLOW RATES.
- UPON COMPLETION OF ALL TESTING, CONTRACTOR SHALL PROVIDE TO THE ARCHITECT COPIES OF TEST RESULTS AND INCLUDE A LISTING OF ALL PERSONNEL WITNESS TO THE TESTS.

GENERAL NOTES

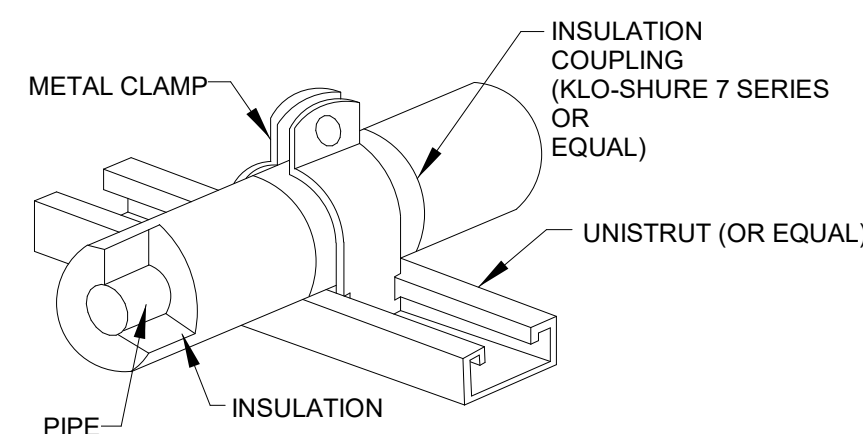
- LOCATIONS OF UTILITIES SHOWN ON PLANS ARE APPROXIMATE. VERIFY WITH LOCAL UTILITY PRIOR TO BIDDING.
- CONTRACTOR SHALL VERIFY EXACT LOCATION, SIZE, AND ELEVATION OF ALL EXISTING SERVICES PRIOR TO INSTALLING ANY NEW PIPE.
- WHEREVER DISSIMILAR METALS ARE CONNECTED ON WATER LINES, A DIELECTRIC UNION SHALL BE USED.
- ALL HORIZONTAL WATER AND VENT PIPING SHALL BE RUN ABOVE CEILING ON PLAN WHERE SHOWN UNLESS OTHERWISE NOTED.
- ALL HORIZONTAL SANITARY PIPING IS RUN BELOW FLOOR ON PLAN WHERE SHOWN UNLESS OTHERWISE NOTED.
- ALL WATER PIPING BELOW SLAB ON GRADE SHALL BE BENT UP AT ENDS SO THAT NO JOINTS OCCUR BELOW FLOOR.
- ALL WATER PIPING INSTALLED IN EXTERIOR WALLS SHALL BE LOCATED ON THE INTERIOR SIDE OF THE EXTERIOR WALL INSULATION.
- NO VENT THRU ROOF IS TO BE LOCATED WITHIN 10 FEET OF ANY BUILDING AIR INTAKES, PER CODE. COORDINATE WITH MECHANICAL AND GENERAL CONTRACTORS.
- DOMESTIC WATER PIPING LOCATED ABOVE THE CEILING, SHALL BE INSTALLED BELOW CEILING INSULATION.
- CONTRACTOR SHALL COORDINATE FLOOR DRAIN LOCATIONS WITH MECHANICAL EQUIPMENT PRIOR TO INSTALLATION.
- CONTRACTOR SHALL PROVIDE SHOCK ARRESTORS ON ALL BRANCH LINES.
- PROVIDE DISINFECTION OF WATER PIPING SYSTEM WITH CHLORINE SOLUTION AS PER CODE.
- INSTALLATION OF BACKFLOW PREVENTER SHALL COMPLY WITH CURRENT INTERNATIONAL BUILDING CODE AND CURRENT INTERNATIONAL PLUMBING CODE.
- ALL OVERHEAD WATER PIPING TO BE RUN BELOW INSULATION AT BOTTOM OF TRUSSES FOR FREEZE PROTECTION.
- INSULATION ON ALL PIPING SHALL MEET SMOKE/ FLAME RATING OF 25 & 50.
- THE LOCATION OF LAVATORIES AND WATER CLOSETS RELATIVE TO THE FINISHED WALL IS CRITICAL. REFER TO ARCHITECTURAL AND THE SPECIFICATIONS FOR ADDITIONAL INFORMATION. ALL WATER CLOSETS TO BE 18" FROM FINISH WALL TO CENTER OF WATER CLOSET.
- WATER HAMMER ARRESTORS ARE REQUIRED TO PROTECT WATER PIPING SYSTEMS WHERE QUICK-CLOSING VALVES ARE UTILIZED. WATER HAMMER ARRESTORS SHALL CONFORM TO ASSE 1010.
- THESE DRAWINGS NOT INTENDED TO SHOW ALL POSSIBLE CONDITIONS. IT IS INTENDED THAT A COMPLETE PLUMBING SYSTEM BE PROVIDED WITH ALL NECESSARY EQUIPMENT, APPURTENANCES AND CONTROLS. COMPLETELY COORDINATED WITH ALL DISCIPLINES. ALL PARAMETERS GIVEN IN THESE DOCUMENTS SHALL BE STRICTLY CONFORMED WITH ANY ITEMS AND LABOR REQUIRED FOR A COMPLETE PLUMBING SYSTEM IN ACCORDANCE WITH ALL APPLICABLE CODES, STANDARDS AND THESE CONTRACT DOCUMENTS SHALL BE FURNISHED WITHOUT INCURRING ANY ADDITIONAL COST TO THE PROJECT. CAREFULLY REVIEW ALL CONTRACT DOCUMENTS AND THE DESIGN OF OTHER TRADES BEFORE PREPARING SHOP DRAWINGS.
- COORDINATE PLUMBING PIPING WITH STRUCTURAL, PLUMBING, HVAC, AND ELECTRICAL. MAKE OFFSETS AND TRANSITIONS TO COORDINATE WITH OTHER TRADES WITHOUT ANY ADDITIONAL COST TO THE PROJECT.
- NO PIPING TO BE RUN ABOVE ELECTRICAL PANELS. MAINTAIN ALL REQUIRED CLEARANCES.
- CONTRACTOR SHALL VISIT JOB SITE AND VERIFY EXISTING CONDITIONS BEFORE SUBMITTING A PRICE. ORDERING MATERIALS OR PERFORMING ANY WORK. NOTIFY THE ARCHITECT OF ANY DEVIATION FROM PLUMBING PLAN.
- SUPPORT PIPE AS REQUIRED BY THE CURRENT INTERNATIONAL PLUMBING CODE.
- FIRESTOP ALL RATED WALL AND FLOOR PENETRATIONS. SEE ARCHITECTURAL DRAWINGS FOR RATED WALL AND FLOOR LOCATIONS.
- OFFSET ALL VTR'S TO BACKSIDE OF ROOF RIDGE.
- DO NOT BEGIN WORK UNTIL ELEVATION OF FINAL CONNECTION POINT IS VERIFIED AND GRADING OF ENTIRE SYSTEM CAN BE DETERMINED (EVEN IF FINAL CONNECTION IS SPECIFIED UNDER ANOTHER SECTION).

Dewberry
 2 Riverchase Office Plaza
 Suite 205
 Hoover, AL 35244
 (205) 988-2069
 www.dewberry.com
 Project Number :
 50171446

LATHAN ARCHITECTS

RENOVATION OF
AYERS PRECISION MACHINING TECHNOLOGY RESTROOM
 1801-M COLEMAN ROAD, ANNISTON, AL 36202
 GADSDEN STATE COMMUNITY COLLEGE

PLUMBING FIXTURE SCHEDULE					
MARK	FIXTURE	WASTE	CW	HW	REMARKS
FD	FLOOR DRAIN	3"	-	-	J.R. SMITH #2010 WITH 6" ROUND NICKEL BRONZE GRATE. PROVIDE WITH J.R. SMITH TRAP INSERT.
P-1	WATER CLOSET - ADA COMPLIANT	4"	1"	-	FLOOR MOUNTED - KOHLER K-3607-SS-D COMPLETE SLOAN ROYAL #111 FLUSH VALVE WITH YJ BRACKET AND CHURCH "DURA GUARD" MODEL # 2155 SSC SEAT.
P-2	LAVATORY - ADA COMPLIANT	1 1/2"	1/2"	1/2"	WALL HUNG - KOHLER K-2032 (20" X 18") COMPLETE, SYMMONS S-20-0 FAUCET, K7715 OUTLET WITH TAILPIECE, J.R. SMITH #700-M31-Z FIXTURE SUPPORT, MCGUIRE #165 SUPPLIES WITH STOPS AND MCGUIRE #8872 P-TRAP. INSULATE P-TRAP, STOPS AND SUPPLIES WITH "PRO-WRAP" BY MCGUIRE. MOUNT WITH RIM MAXIMUM 34" AFF. PROVIDE LAWLER 570 THERMOSTATIC MIXING VALVE MOUNTED BELOW LAVATORY. RUN 100° F WATER TO FAUCET. MUST MEET A.D.A. GUIDELINES.

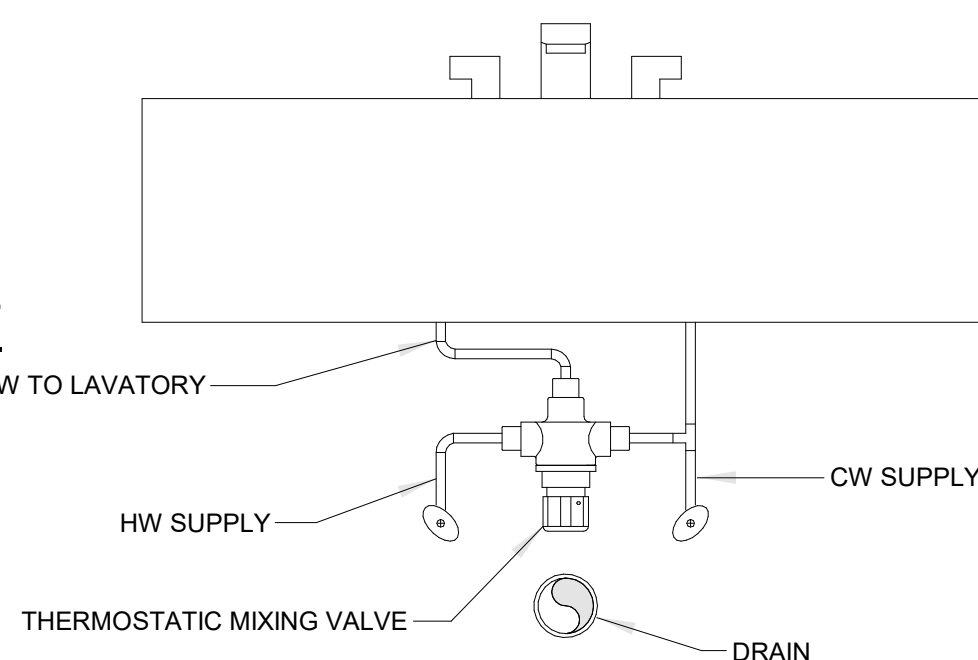


NOTES:

- APPLICATION: FOR STRUT MOUNTED, 4 INCH AND SMALLER, COPPER PIPE WITH FOAMED PLASTIC (ARMAFLEX) OR FIBERGLASS INSULATION.
- ALLOWED FOR HORIZONTAL OR VERTICAL INSTALLATION.
- FOR COLD PIPE APPLICATION, APPLY ADHESIVE TO END OF FOAMED PLASTIC INSULATION PRIOR TO INSERTING INTO COUPLING.

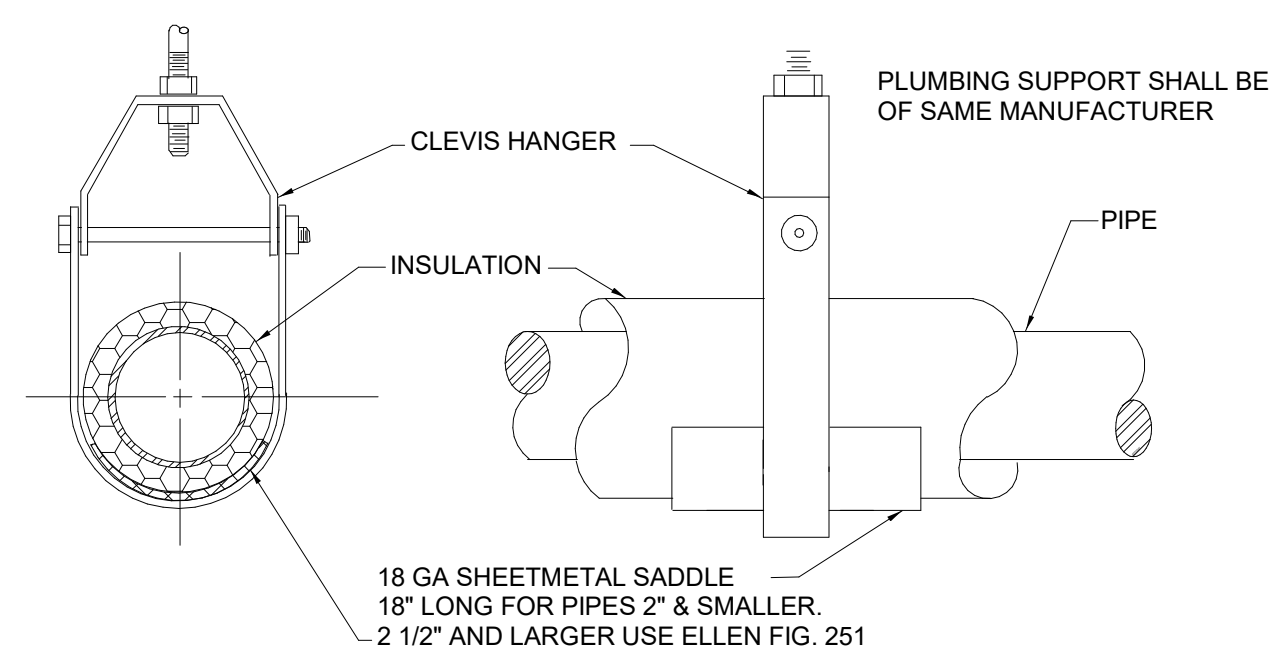
STRUT-MOUNTED PIPING SUPPORT INSULATION COUPLING DETAIL

NO SCALE



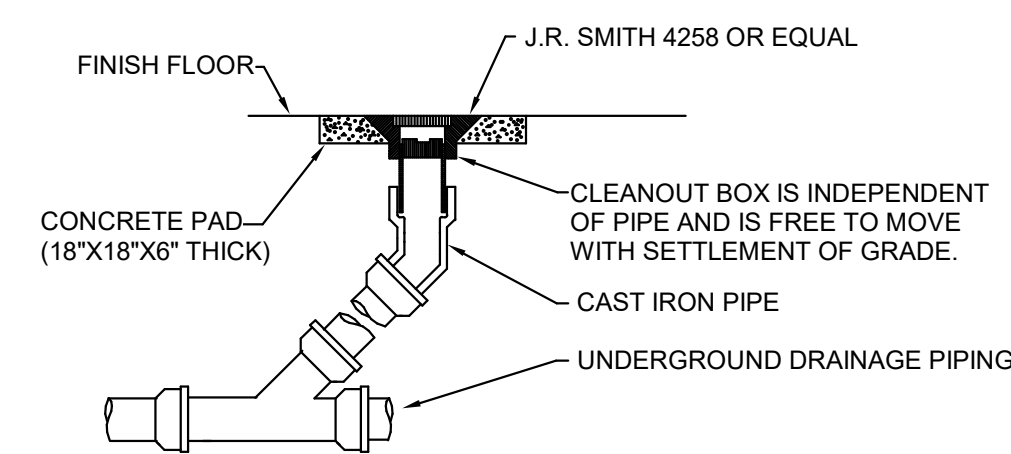
TMV BELOW LAVATORY

NO SCALE



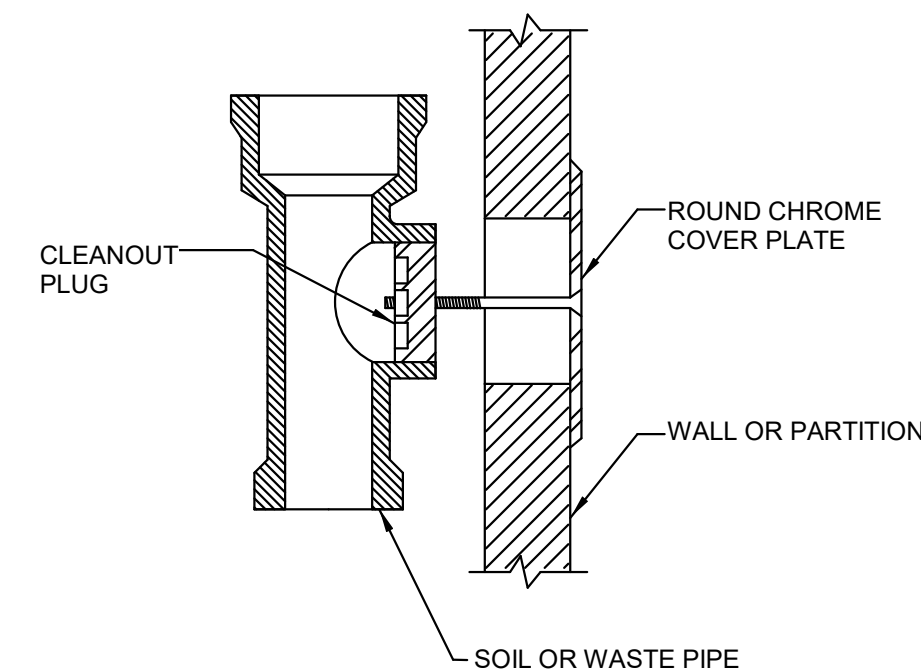
SUSPENDED PIPE SUPPORT DETAIL

No Scale



DETAIL OF CLEANOUT TO GRADE

NO SCALE



WALL CLEANOUT DETAIL

No Scale

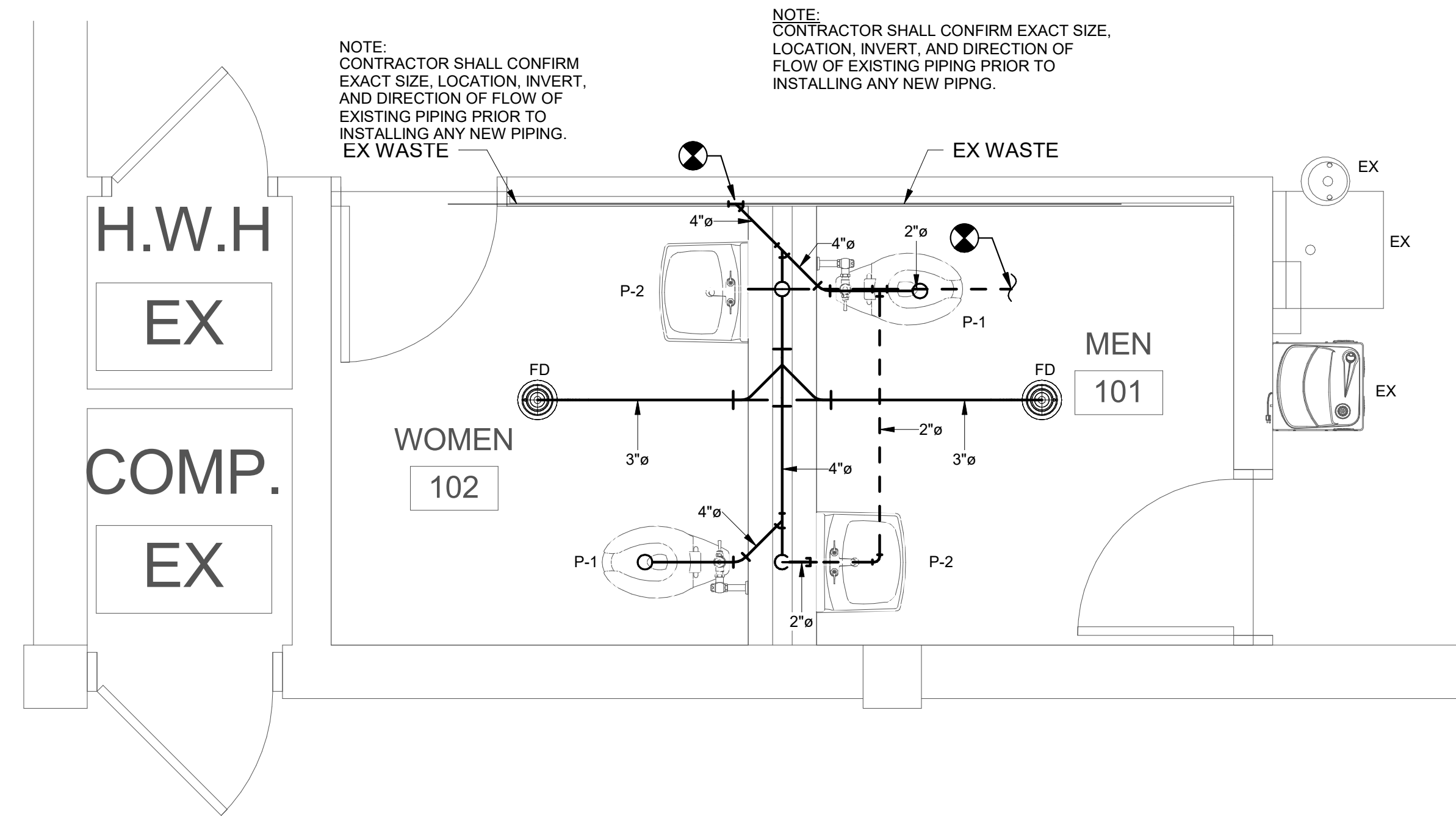
SHEET TITLE:
 PLUMBING SCHEDULES AND NOTES

PROJ. MGR.: SMC
 DRAWN: ZC
 DATE: 06/03/24
 REVISIONS:

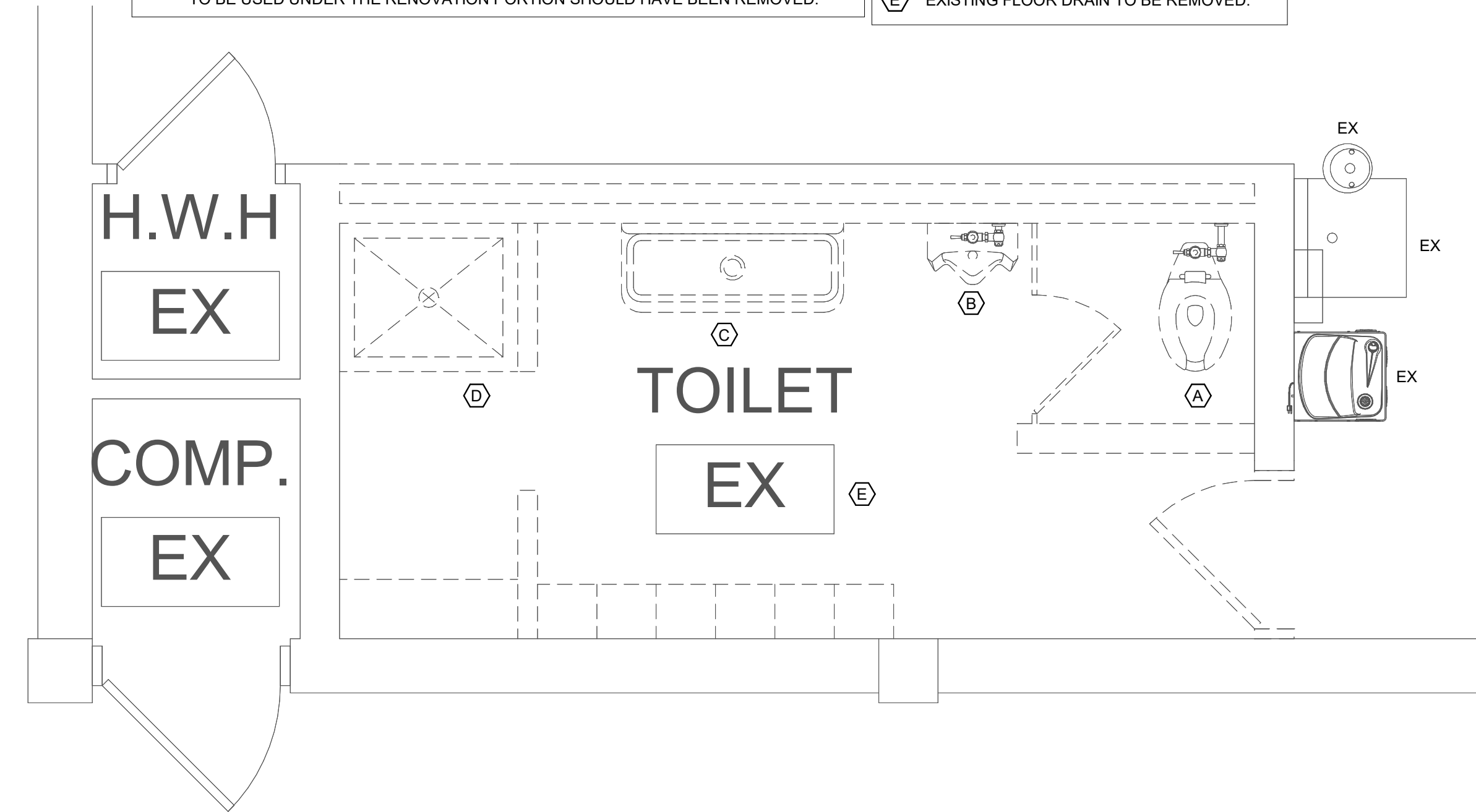
JOB NO. 24-18
 SHEET NO. P0.1

- DEMOLITION GENERAL NOTES**
1. ALL REMOVED FIXTURES SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE DELIVERED TO THE OWNERS WAREHOUSE BY THIS CONTRACTOR.
 2. IF THE OWNER DECIDES NOT TO RETAIN FIXTURES OR EQUIPMENT REMOVED, THE FIXTURES SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.
 3. ONCE DEMOLITION IS COMPLETE, ALL PIPING THAT IS NOT IN USE OR THAT IS NOT TO BE USED UNDER THE RENOVATION PORTION SHOULD HAVE BEEN REMOVED.

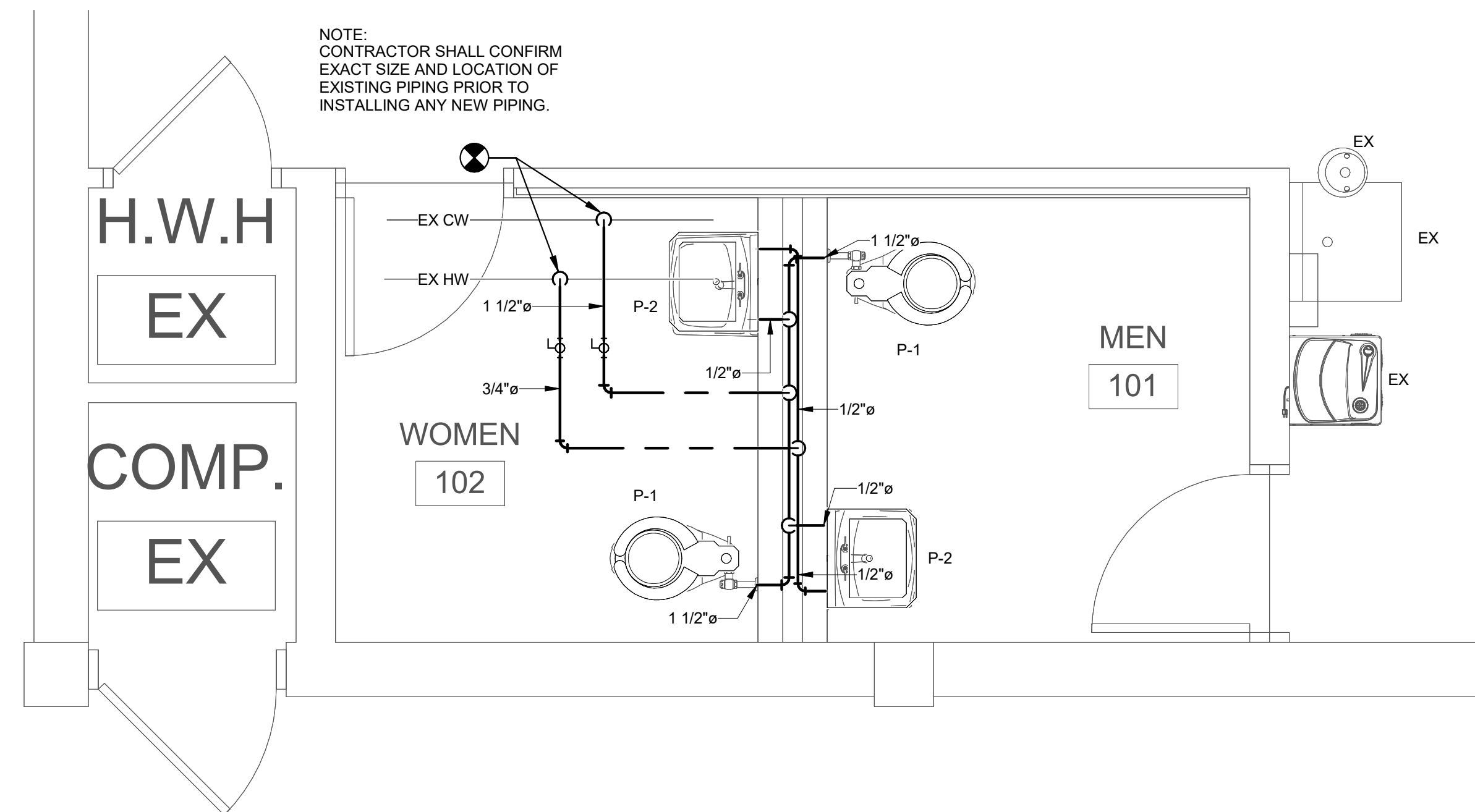
- DEMOLITION KEYNOTES**
- (A) EXISTING WATER CLOSET TO BE REMOVED.
 - (B) EXISTING URINAL TO BE REMOVED.
 - (C) EXISTING LAVATORY TO BE REMOVED.
 - (D) EXISTING SHOWER TO BE REMOVED.
 - (E) EXISTING FLOOR DRAIN TO BE REMOVED.



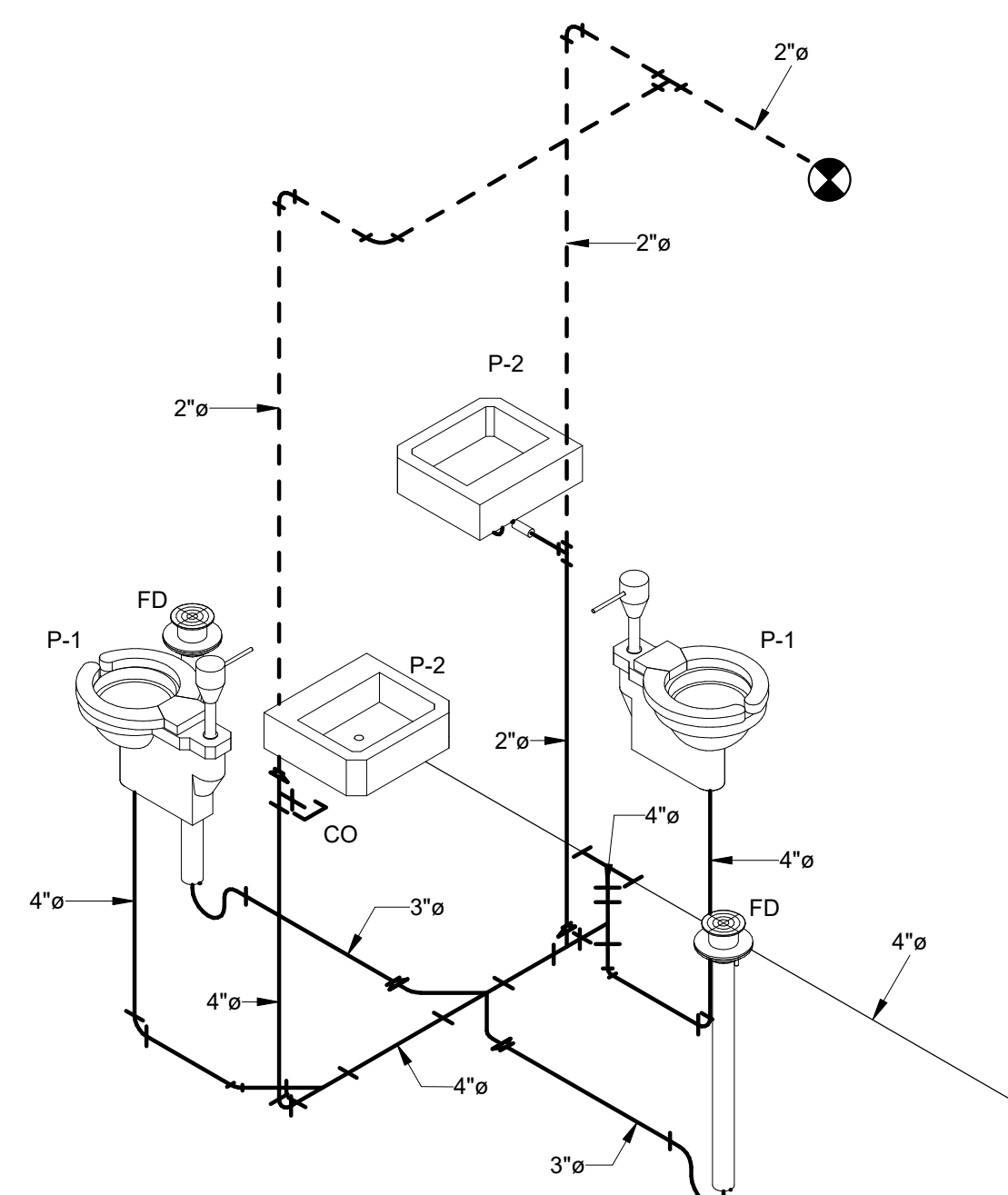
3 NON-PRESSURE - RESTROOM PLAN
 1/2" = 1'-0"



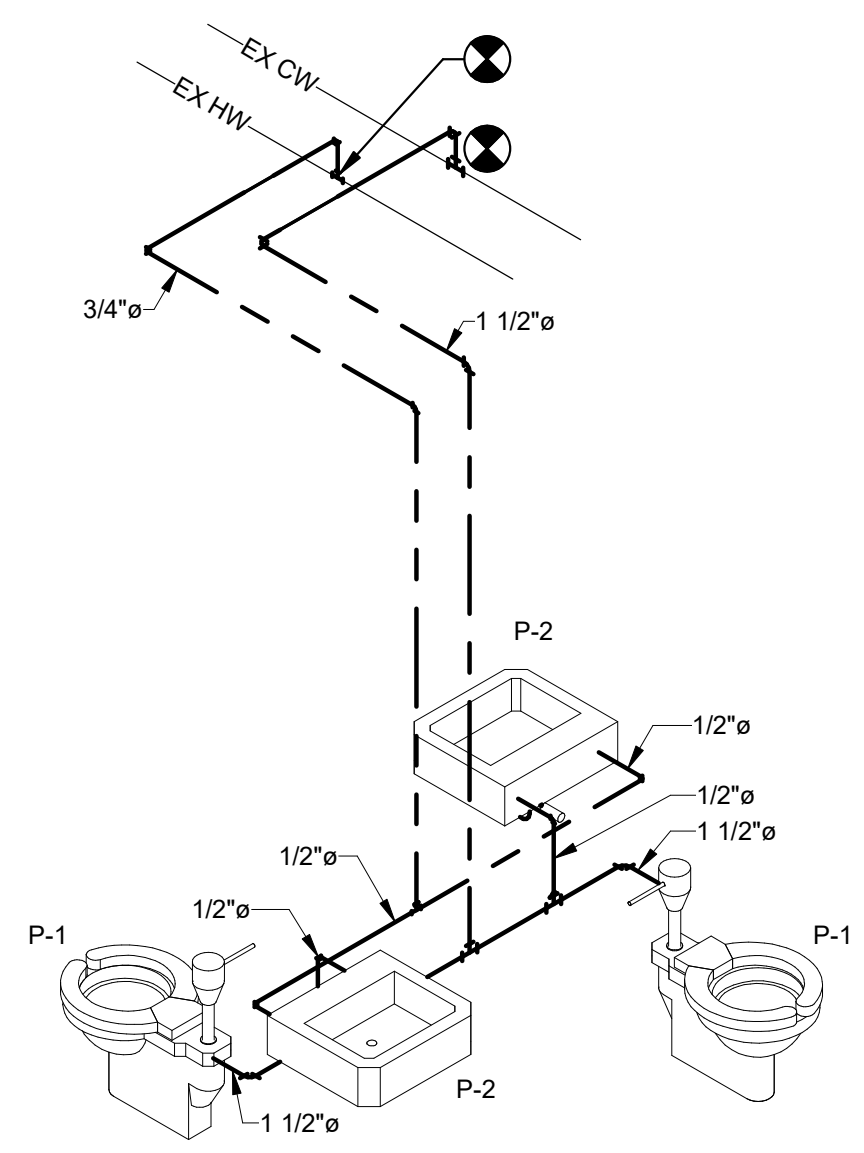
2 PLUMBING - RESTROOM PLAN - DEMOLITION
 1/2" = 1'-0"



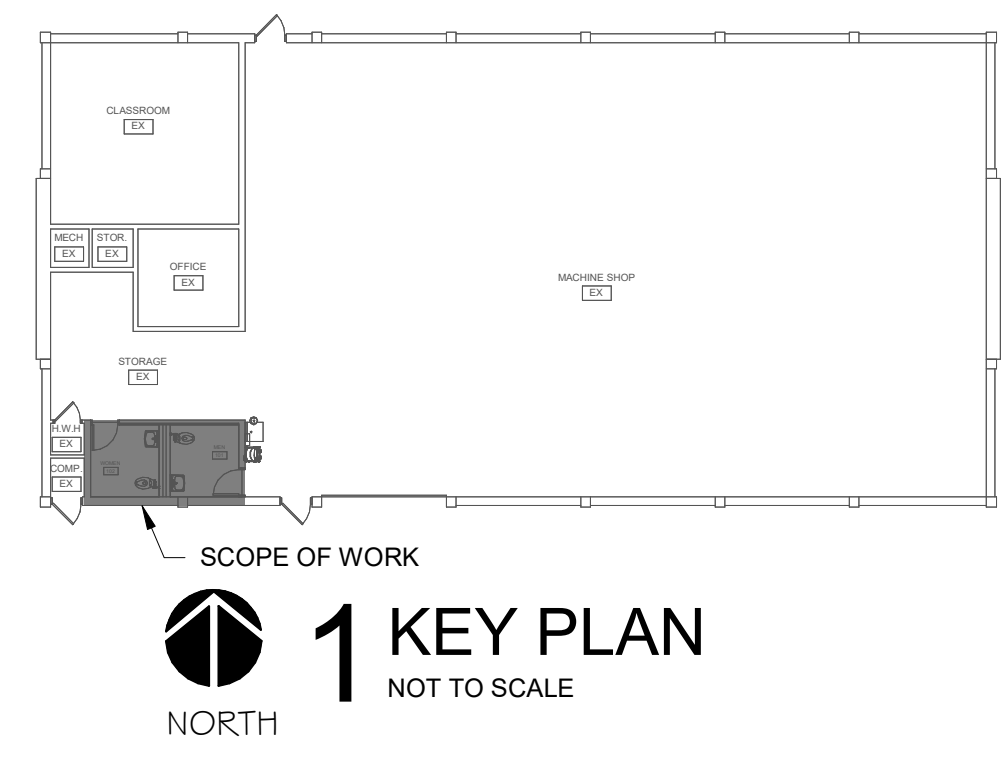
4 PRESSURE - RESTROOM PLAN
 1/2" = 1'-0"



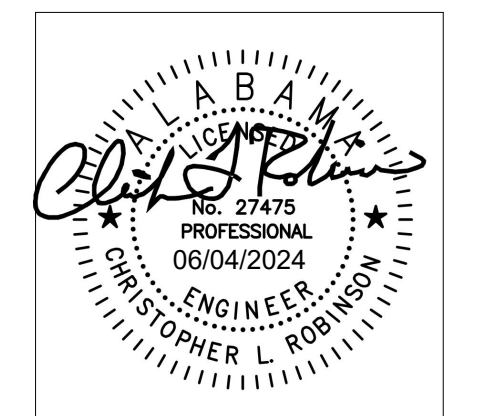
5 NON PRESSURE PLUMBING RISER
 NOT TO SCALE



6 PRESSURE PLUMBING RISER
 NOT TO SCALE



1 KEY PLAN
 NOT TO SCALE



SHEET TITLE:
 PLUMBING RESTROOM PLAN

PROJ. MGR.: SMC
 DRAWN: ZC
 DATE: 06/03/24
 REVISIONS:

JOB NO. 24-18
 SHEET NO. P1.0
 2 OF 2

HVAC SPECIFICATIONS

- ALL DUCTWORK TO BE GALVANIZED SHEET METAL CONSTRUCTION ACCORDING TO CURRENT ADDITION OF SMACNA HVAC DUCT CONSTRUCTION STANDARDS. SIZES SHOWN ARE INSIDE INSULATION.
 - LOW PRESSURE: SUPPLY, RETURN, AND OSA : 2" PRESSURE CLASS, "B" SEAL.
 - EXHAUST: 2 PRESSURE CLASS, "B" SEAL.
- BRANCH DUCT CONNECTIONS FOR CONNECTING ROUND LOW PRESSURE BRANCHES TO RECTANGULAR LOW PRESSURE TRUNKS: GALVANIZED STEEL SPIN-IN FITTINGS WITH INTEGRAL DAMPERS, AND BEADED COLLARS, SIMILAR AND EQUAL TO FLEXMASTER, SERIES FLD FOR SHEET METAL TRUNKS WITH STAND OFFS FOR DAMPER QUADRANTS. GAUGES: AS REQUIRED FOR PRESSURE CLASS. (26 GAUGE MINIMUM.)
- FLEXIBLE DUCTS SHALL BE THERMAFLEX MKC, FLEXMASTER TYPE 4, OR EQUAL WITH MINIMUM R5 RATING. HANG DUCTS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. MAKE CONNECTIONS BETWEEN FLEXIBLE DUCTS AND AIR DEVICES OR SPIN-INS WITH NYLON DRAW BANDS. MAXIMUM LENGTH = 5 FT.
- AIR DEVICES SHALL BE TITUS, PRICE, OR NAILOR. SEE AIR DEVICE LEGEND.
- TEST AND BALANCE: AFTER SYSTEMS HAVE BEEN INSTALLED COMPLETE, ADJUST AND TEST SYSTEMS FOR PROPER OPERATION. AIR DISTRIBUTION, TEMPERATURES, WATER FLOWS AND CORRECT ALL NOISE OR VIBRATION CONDITIONS. TEST AND BALANCE EACH DIFFUSER, GRILLE AND HOT-WATER COIL TO WITHIN 10 PERCENT OF DESIGN REQUIREMENTS. ALL HVAC AIR AND WATER BALANCE WORK SHALL BE PERFORMED BY AN INDEPENDENT TEST AND BALANCING AGENCY SPECIALIZING IN TESTING AND BALANCING OF AIR CONDITIONING SYSTEMS. THE AGENCY SELECTED SHALL BE AN AABC OR NEBB MEMBER. ALL INSTRUMENTS USED FOR TESTING AND BALANCING MUST HAVE BEEN CALIBRATED WITHIN 6 MONTHS AND CHECKED FOR ACCURACY PRIOR TO START OF WORK. PERFORM ALL TESTS AS REQUIRED BY LOCAL CODES.
- MANUAL BALANCING DAMPERS: COMPLY WITH SMACNA HVAC DUCT CONSTRUCTION STANDARDS, FIGURE 2-12 AND 2-13. EQUIP ALL DAMPERS WITH LOCKING QUADRANTS AND END BEARINGS. SAW-MARK ENDS OF DAMPER RODS PARALLEL TO BLADES. END BEARINGS AND QUADRANTS SHALL HAVE AIR TIGHT DUCT CONNECTIONS AND SHAFT SEALS, DURO-DYNE OR EQUAL.

DUCTWORK LEGEND

- | | |
|----------|---|
| (CFM) S | SUPPLY DIFFUSER |
| (CFM) R | RETURN GRILLE |
| (CFM) E | EXHAUST GRILLE |
| (CFM) T | TRANSFER AIR GRILLE |
| (CFM) SR | SIDEWALL REGISTER |
| Ø | ROUND DUCT SYMBOL |
| W X H | RECTANGULAR DUCT (WIDTH X HEIGHT) |
| | EXISTING DUCTWORK, PIPING, OR EQUIPMENT TO REMAIN. |
| | EXISTING DUCTWORK, PIPING, OR EQUIPMENT TO BE REMOVED. |
| | RECTANGULAR SUPPLY DUCT TURNING UP |
| | RECTANGULAR SUPPLY AIR DUCT TURNING DOWN |
| | RECTANGULAR RETURN AIR OR EXHAUST DUCT TURNING UP |
| | RECTANGULAR RETURN AIR OR EXHAUST DUCT TURNING DOWN |
| | ROUND DUCT TURNING DOWN |
| | ROUND DUCT TURNING UP |
| | MAXIMUM 5' FLEXIBLE DUCT ALL BRANCH DUCTS |
| | RECTANGULAR 90° ELBOW WITH TURNING VANES FOR SUPPLY. |
| | RISE OR DROP IN DUCT |
| | RECTANGULAR BRANCH OFF OF RECTANGULAR DUCT WITH MANUAL DAMPER |
| | CONICAL SPIN-IN WITH MANUAL DAMPER |
| | MANUAL DAMPER |
| | CONNECT TO EXISTING, FIELD VERIFY EXACT SIZE AND LOCATION. |

HVAC ABBREVIATIONS

- | | |
|--------|---------------------------------|
| A | AMPS |
| AFF | ABOVE FINISH FLOOR |
| AHU | AIR HANDLING UNIT |
| AMB. | AMBIENT |
| ARCH. | ARCHITECTURAL |
| BHP | BRAKE HORSEPOWER |
| BOD | BOTTOM OF DUCT |
| BTUH | BRITISH THERMAL UNIT PER HOUR |
| CFM | CUBIC FEET PER MINUTE |
| DB | DRY BULB |
| DN. | DOWN |
| "F | DEGREES FAHRENHEIT |
| ΔP | CHANGE IN PRESSURE |
| ΔT | CHANGE IN TEMPERATURE |
| DIA. | DIAMETER |
| EA | EXHAUST AIR |
| ENT. | ENTERING |
| EAT | ENTERING AIR TEMPERATURE |
| EMG | EXPANDED METAL GRILLE |
| EWI | EXTERNAL WATER TEMPERATURE |
| E.S.P. | EXTERNAL STATIC PRESSURE |
| EX. | EXISTING |
| EXT. | EXTERNAL |
| FPM | FEET PER MINUTE |
| FT. | FEET |
| F.V. | FACE VELOCITY |
| GAL. | GALLONS |
| GPM | GALLONS PER MINUTE |
| H | HEIGHT |
| HP | HORSEPOWER |
| IN. | INCHES |
| I.D. | INSIDE DIAMETER |
| KW | 1000 WATTS |
| L | LENGTH |
| LBS. | POUNDS |
| LRA | LOCKED ROTOR AMPS |
| LVG. | LEAVING |
| LAT | LEAVING AIR TEMPERATURE |
| LWT | LEAVING WATER TEMPERATURE |
| MAX. | MAXIMUM |
| MAT | MIXED AIR TEMPERATURE |
| MBH | 1000 BTUH |
| MCA | MINIMUM CIRCUIT AMPACITY |
| MIN. | MINIMUM |
| MOCIP | MAXIMUM OVER CURRENT PROTECTION |
| NO | NORMALLY OPEN |
| NC | NORMALLY CLOSED |
| NPLV | NON-STAND PART LOAD VALUE |
| OSA | OUTSIDE AIR |
| O.D. | OUTSIDE DIAMETER |
| PSI | POUNDS PER SQUARE INCH |
| PSIA | PSI ATMOSPHERIC |
| PSIG | PSI GAUGE |
| RA | RETURN AIR |
| RAT | RETURN AIR TEMPERATURE |
| RH | RELATIVE HUMIDITY |
| RLA | RATED LOAD AMPS |
| RPM | REVOLUTIONS PER MINUTE |
| SA | SUPPLY AIR |
| SAT | SUPPLY AIR TEMPERATURE |
| T.S.P. | TOTAL STATIC PRESSURE |
| TD | TRANSFER DUCT |
| TOD | TOP OF DUCT |
| U.N.O. | UNLESS NOTED OTHERWISE |
| V | VOLUME |
| V/Hz | VOLTS/PHASE/HERTZ |
| W.G. | WATER GAGE |
| W | WIDTH |
| WB | WET BULB |

HVAC GENERAL NOTES

- MECHANICAL DRAWINGS ARE DIAGRAMMATIC AND SUBJECT TO REQUIREMENTS OF ARCHITECTURAL DRAWINGS AND CONDITIONS EXISTING IN THE FIELD. MECHANICAL DRAWINGS INDICATE GENERALLY THE LOCATION OF COMPONENTS AND ARE NOT INTENDED TO SHOW ALL FITTINGS OR ALL DETAILS OF THE WORK TO BE PERFORMED.
- FOLLOW THE DRAWINGS CLOSELY, COORDINATE DIMENSIONS WITH ARCHITECTURAL DRAWINGS AND FIELD CONDITIONS. DO NOT SCALE MECHANICAL DRAWINGS FOR LOCATIONS OF SYSTEM COMPONENTS.
- COORDINATE CONSTRUCTION OF ALL MECHANICAL WORK WITH ARCHITECTURAL, STRUCTURAL, CIVIL, ELECTRICAL WORK, ETC., SHOWN ON OTHER CONTRACT DOCUMENT DRAWINGS.
- MAKE NO CHANGES WITHOUT THE ARCHITECT'S WRITTEN PERMISSION. IN CASE OF DOUBT, OBTAIN ARCHITECT'S DECISION BEFORE PROCEEDING WITH WORK. FAILURE TO FOLLOW THIS INSTRUCTION SHALL MAKE THE CONTRACTOR LIABLE FOR DAMAGE TO OTHER WORK AND RESPONSIBLE FOR REMOVING AND REPAIRING DEFECTIVE OR MISLOCATED WORK IN PROPER MANNER.
- DO NOT SCALE DRAWINGS TO LOCATE DIFFUSERS AND EQUIPMENT. COORDINATE WITH NEW AND EXISTING LIGHTING, ELECTRICAL CONDUIT, AND ALL EXISTING FIELD CONDITIONS.
- PRIOR TO PREPARING SUBMITTALS, VERIFY ALL EQUIPMENT VOLTAGES WITH ELECTRICAL DRAWINGS AND ELECTRICAL CONTRACTOR AND REPORT ANY INCONSISTENCIES TO THE ARCHITECT PRIOR TO ORDERING EQUIPMENT. ANY FAILURE TO DO SO WILL MAKE THE MECHANICAL CONTRACTOR RESPONSIBLE FOR ANY EQUIPMENT ORDERED WITH THE INCORRECT VOLTAGE.
- PROTECT MECHANICAL EQUIPMENT FROM DAMAGE DURING CONSTRUCTION. WHEN INSTALLATION IS COMPLETE, CLEAN EQUIPMENT AS REQUIRED AND PROVIDE ALL NEW FILTERS.
- INSTALL ALL EQUIPMENT TO PROVIDE NORMAL SERVICE ACCESS TO ALL COMPONENTS. INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. IF MANUFACTURER'S RECOMMENDATIONS CONFLICT WITH CONTRACT DOCUMENTS, OBTAIN ARCHITECT'S DECISION BEFORE PROCEEDING.
- ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES AND STANDARDS (SEE SPECIFICATIONS).
- PROVIDE ALL NECESSARY RELAYS, SWITCHES, SENSORS, LOW VOLTAGE CONTROL WIRING, ACTUATORS, ETC. FOR A COMPLETE AND FUNCTIONAL CONTROLS SYSTEM.

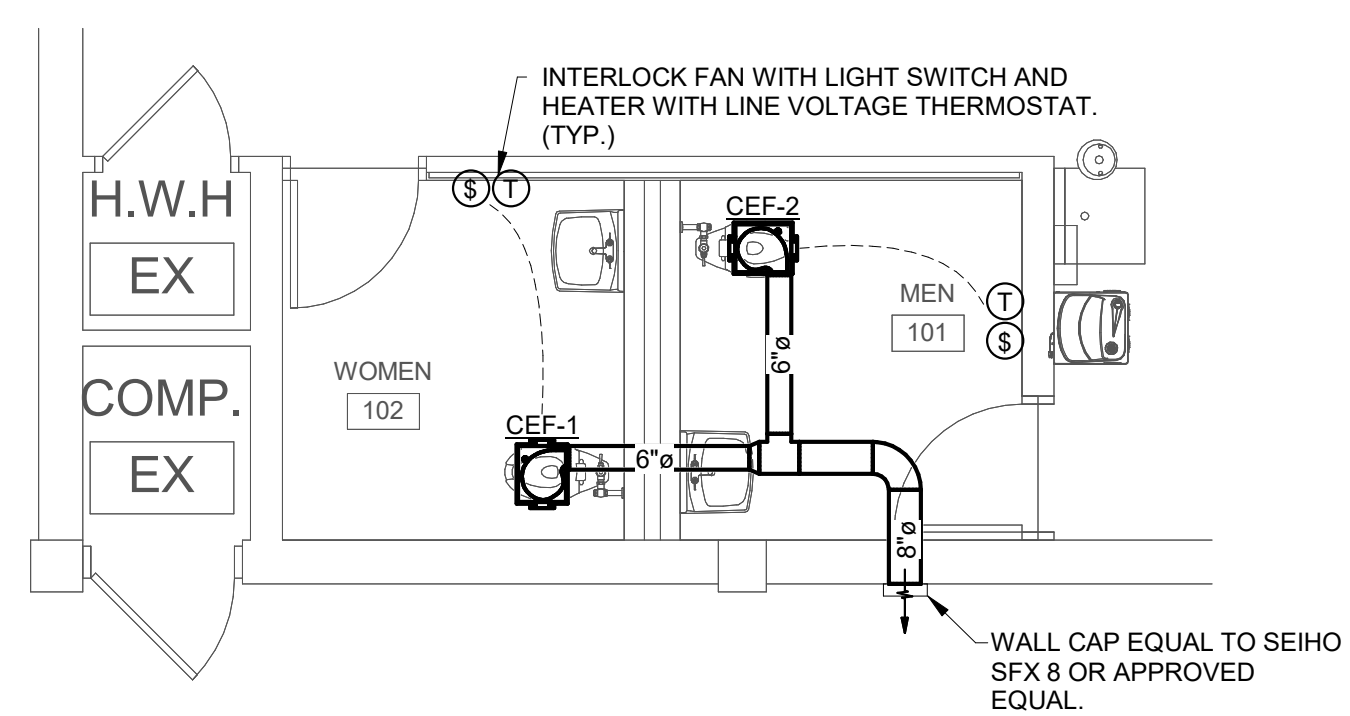
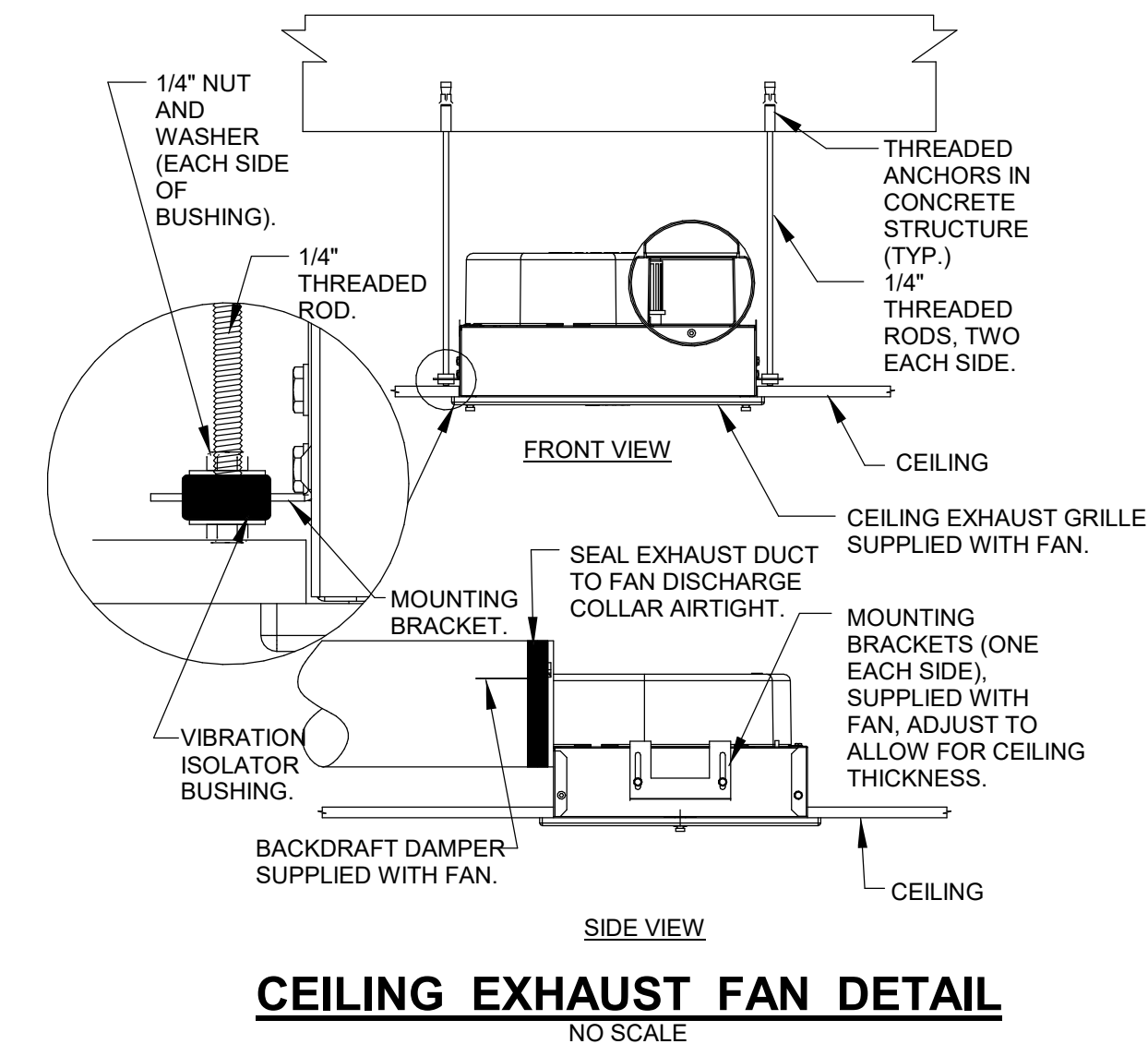
Dewberry
 2 Riverchase Office Plaza
 Suite 205
 Hoover, AL 35244
 (205) 988-2069
 www.dewberry.com
 Project Number :
 50171446

LATHAN ARCHITECTS

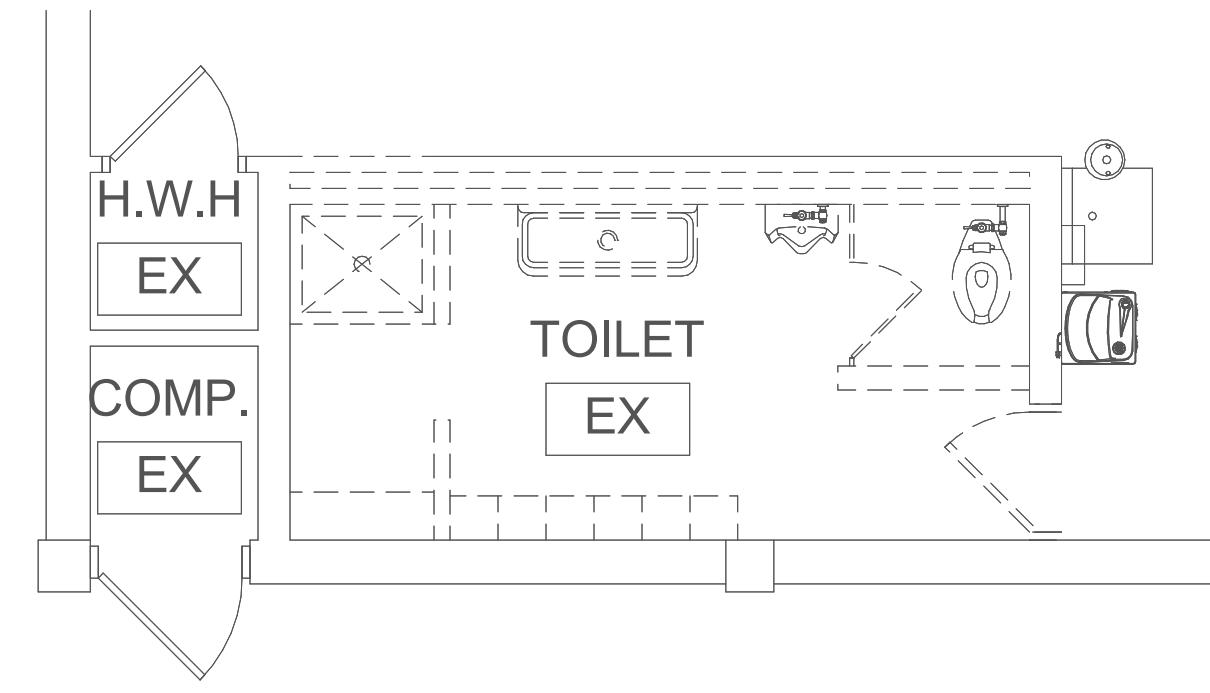
RENOVATION OF
AYERS PRECISION MACHINING TECHNOLOGY RESTROOM
 1801-M COLEMAN ROAD, ANNISTON, AL 36202
 GADSDEN STATE COMMUNITY COLLEGE

FAN SCHEDULE

FAN TYPE:						FAN ACCESSORIES:						
1. CEILING MOUNTED EXHAUST FAN WITH HEATER.						1. BACKDRAFT DAMPER. 2. DISCONNECT PLUG. 3. CEILING GRILLE. 4. INTEGRAL 1300 W HEATER. 5. INTERLOCK FAN WITH LIGHT SWITCH AND HEATER TO LINE VOLTAGE THERMOSTAT.						
MARK	FAN TYPE	AIRFLOW (CFM)	E.S.P. (in-wg)	SONES	HEATER	AMPS	ELECTRICAL			ACCESSORIES	BASIS OF DESIGN	
							V	PH	HZ		MANUFACTURER	MODEL
CEF-1	1	70	0.25	1.5"	1300W	12 A	120 V	1	60	1,2,3,4,5	BROAN	BHF80
CEF-2	1	70	0.25	1.5"	1300W	12 A	120 V	1	60	1,2,3,4,5	BROAN	BHF80

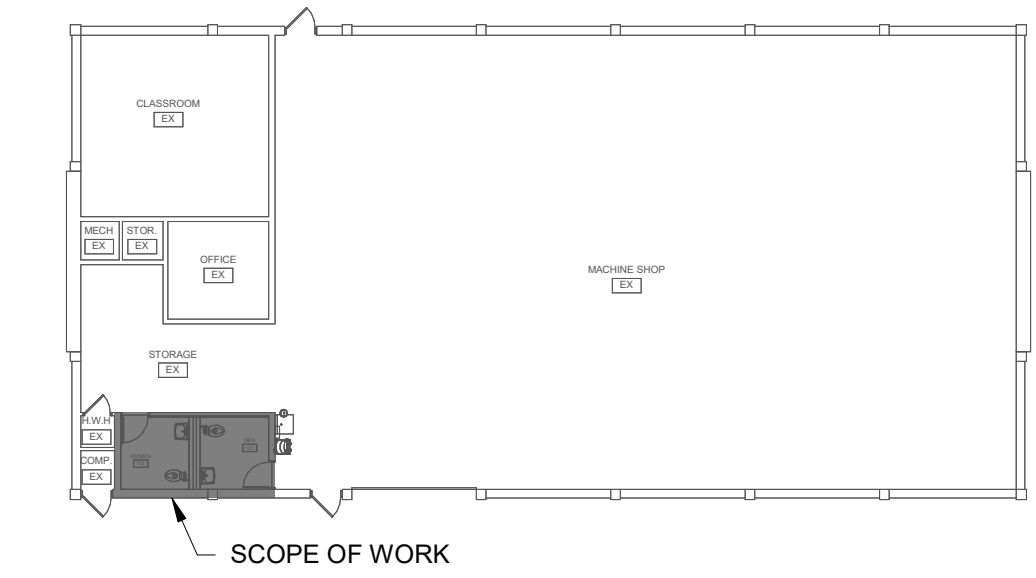


3 MECHANICAL - RESTROOM PLAN
 1/4" = 1'-0"



2 MECHANICAL - RESTROOM PLAN - DEMOLITION
 1/4" = 1'-0"

DEMOLITION NOTE:
 REMOVE ALL EXISTING HVAC SERVING THE EXISTING RESTROOMS.



1 KEY PLAN
 NORTH NOT TO SCALE

SHEET TITLE:
 MECHANICAL LEGEND & FLOOR PLAN

PROJ. MGR.: Checker
 DRAWN: Author
 DATE: 12/28/15
 REVISIONS:

JOB NO. 24-18
 SHEET NO. M1.0
 1 OF 1

SPECIFICATIONS SECTION 16000 - ELECTRICAL

- PART I - GENERAL**
- 1.01 RELATED REQUIREMENTS
- A. COMPLY WITH DIVISION 1 - GENERAL REQUIREMENTS AND REFERENCED DOCUMENTS.
 - B. RELATED WORK: SECTION 08521 - SPECIAL CONDITIONS.
- 1.02 WORK INCLUDED
- A. FOLLOWING LIST IS NOT TO BE CONSTRUED AS COMPLETE. INCLUDED ARE FOLLOWING:
 - 1. LIGHTING SYSTEM INSTALLED IN INTERIOR AREAS.

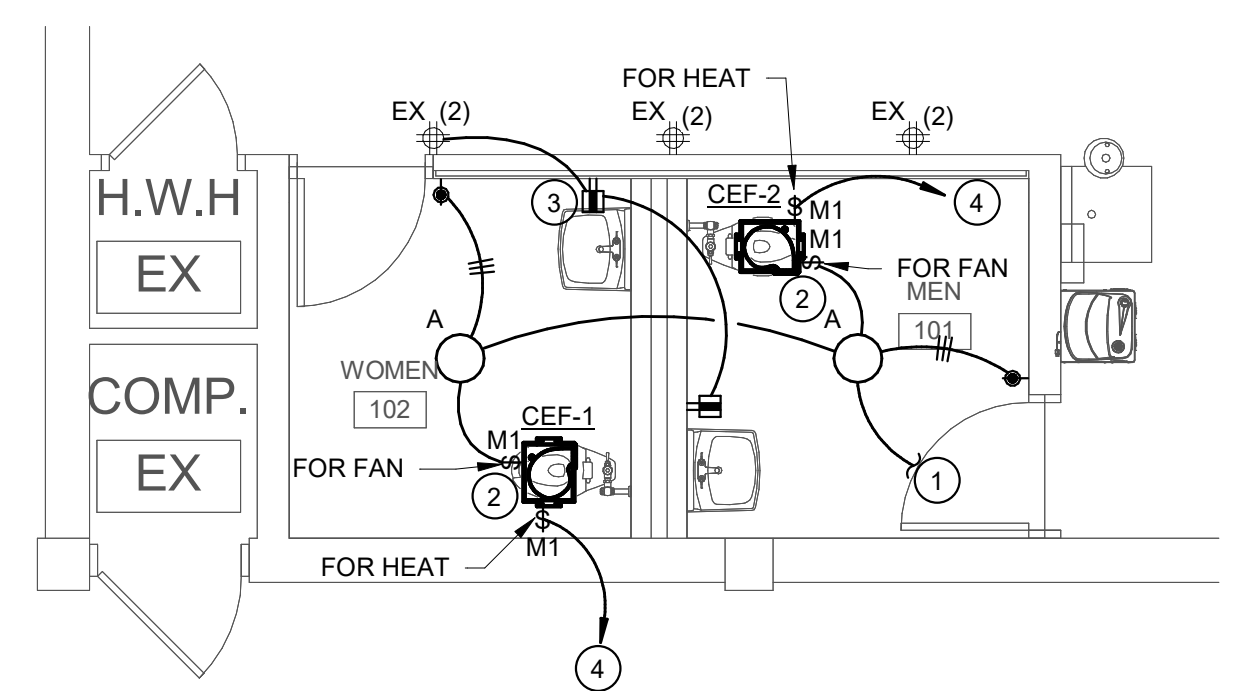
- 1.03 QUALITY ASSURANCE
- A. REGULATORY REQUIREMENTS:
 - 1. COMPLY WITH STATE AND LOCAL ELECTRICAL SAFETY ORDERS.
 - 2. COMPLY WITH APPLICABLE CODES: NATIONAL ELECTRICAL CODE CURRENT EDITION
- 1.04 SUBMITTAL
- A. PRODUCT DATA: SUBMIT COPIES OF MATERIAL LIST.
 - B. SHOP DRAWINGS:
 - 1. SUBMIT FOR LUMINAIRES, LIGHTING CONTROL DEVICES, AND MC CABLE ITEMS EXCEPT INSTALLATION MATERIALS SUCH AS, BUT NOT LIMITED TO, CONDUIT FITTINGS, OUTLET BOXES, 600 VOLT
 - 2. CHECK SHOP DRAWINGS FOR SPACE REQUIREMENTS AND CONFORMANCE WITH CONTRACT DOCUMENTS.

- PART II - PRODUCTS**
- 2.01 MATERIALS
- A. OUTLETS AND JUNCTION BOXES:
 - 1. GALVANIZED OR SHERARDIZED, ONE PIECE PRESSED STEEL, KNOCK-OUT TYPE.
 - 2. SIZE OF EACH BOX DETERMINED IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE FOR NUMBER OF CONDUCTORS OR NUMBER AND SIZE OF CONDUITS ENTERING BOX, BUT NOT LESS THAN 4" SQUARE AND 1-1/2" DEEP.
 - B. WIRE AND CABLE:
 - 1. CONDUCTOR SIZE: #12AWG MINIMUM.
 - 2. CONDUCTORS SHALL BE COPPER OF NOT LESS THAN 98 PERCENT CONDUCTIVITY. 600 VOLT INSULATION SHALL BE USED FOR POWER, LIGHTING AND CONTROL. ALL CONDUCTORS SHALL BE SOLID.
 - 3. THHN
 - 4. ACCEPTABLE MANUFACTURERS ARE: ROME, TRIANGLE, GENERAL CABLE, CABLEC, AUXILIARY AND COMMUNICATION CABLES SHALL BE AS RECOMMENDED BY SYSTEM VENDOR.
 - C. LIGHTING FIXTURES:
 - 1. UNDERWRITER'S LABORATORIES LISTED. SEE LUMINAIRES SCHEDULE AND NOTES.

- PART III - EXECUTION**
- 3.01 INSTALLATION
- A. LOCATION AND VERIFICATION OF DIMENSIONS. SCALED AND FIGURE DIMENSIONS ARE APPROXIMATE AND ARE GIVEN FOR ESTIMATING PURPOSES ONLY. BEFORE PROCEEDING WITH WORK, CHECK AND VERIFY DIMENSIONS AND SIZES AND ASSUME RESPONSIBILITY FOR FITTING OF ALL MATERIALS AND EQUIPMENT TO OTHER PARTS OF EQUIPMENT AND TO THE STRUCTURE. WHERE APPARATUS AND EQUIPMENT HAVE BEEN INDICATED ON DRAWINGS, DIMENSIONS HAVE BEEN TAKEN FROM TYPICAL EQUIPMENT OF THE CLASS INDICATED. CHECK THE DRAWINGS TO SEE THAT EQUIPMENT TO BE INSTALLED WILL FIT INTO THE SPACES PROVIDED.
 - B. INSTALL MATERIALS AND EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, INSTRUCTIONS, INDUSTRY STANDARDS.
 - C. CONDUITS:
 - 1. RACEWAYS RUN ABOVE HUNG CEILINGS SHALL BE INSTALLED AS HIGH AS POSSIBLE, SHALL PERMIT THE REMOVAL OF CEILING PANELS AND LIGHTING FIXTURES, AND SHALL NOT INTERFERE WITH PIPES AND DUCTS.
 - 2. ALL CONDUIT NOT ENCASED IN CONCRETE OR UNDERGROUND SHALL BE COLOR CODED.
 - a) 3/4" WIDE SELF-ADHESIVE VINYL PLASTIC ELECTRICAL TAPE. ACCEPTABLE MANUFACTURERS ARE: 3M COMPANY "SCOTCH 35" OR APPROVED EQUAL.
 - b) BAND(S) SHALL BE APPLIED USING TWO (2) FULL TURNS AROUND CONDUIT, SIX (6) INCHES FROM ALL CONDUIT TERMINATIONS INTO SWITCHBOARDS, PANELBOARDS, MOTOR CONTROL CENTERS, STARTERS, CABINETS, CONTROL PANELS, PULLBOXES, OUTLET BOXES, ETC., ON EACH SIDE OF WALLS, FLOOR OR ROOF PENETRATED BY CONDUIT AND WHERE CONDUIT ENTERS WALL TO OUTLETS BELOW.
 - c) MATCH EXISTING ELECTRICAL IDENTIFICATION SCHEME
 - D. FIELD QUALITY CONTROL
 - 1. FURNISH NECESSARY INSTRUMENTS AND EQUIPMENT REQUIRED FOR MAKING TESTS, TEST ALL WIRING FOR SHORTS, OPEN CIRCUITS OR GROUNDING.
 - 2. IMMEDIATELY CORRECT ANY DEFECTIVE WORK.
 - 3. WHEN ENTIRE INSTALLATION HAS BEEN COMPLETED AND LIGHTING FIXTURES INSTALLED, TEST OUT CIRCUITS AND SWITCHING, AND DEMONSTRATE THAT OPERATION OF SYSTEM IS IN ACCORDANCE WITH CONTRACT DOCUMENTS.
 - E. ADJUSTING AND CLEANING
 - 1. CLEAN EXPOSED PARTS OF ELECTRICAL EQUIPMENT AND INTERIOR OF PANELS, CABINETS AND SWITCHBOARDS OF DIRT, CEMENT, AND PLASTER AND OTHER MATERIALS.
 - 2. REPLACE OR REFINISH SCRATCHED OR DAMAGED MATERIALS.

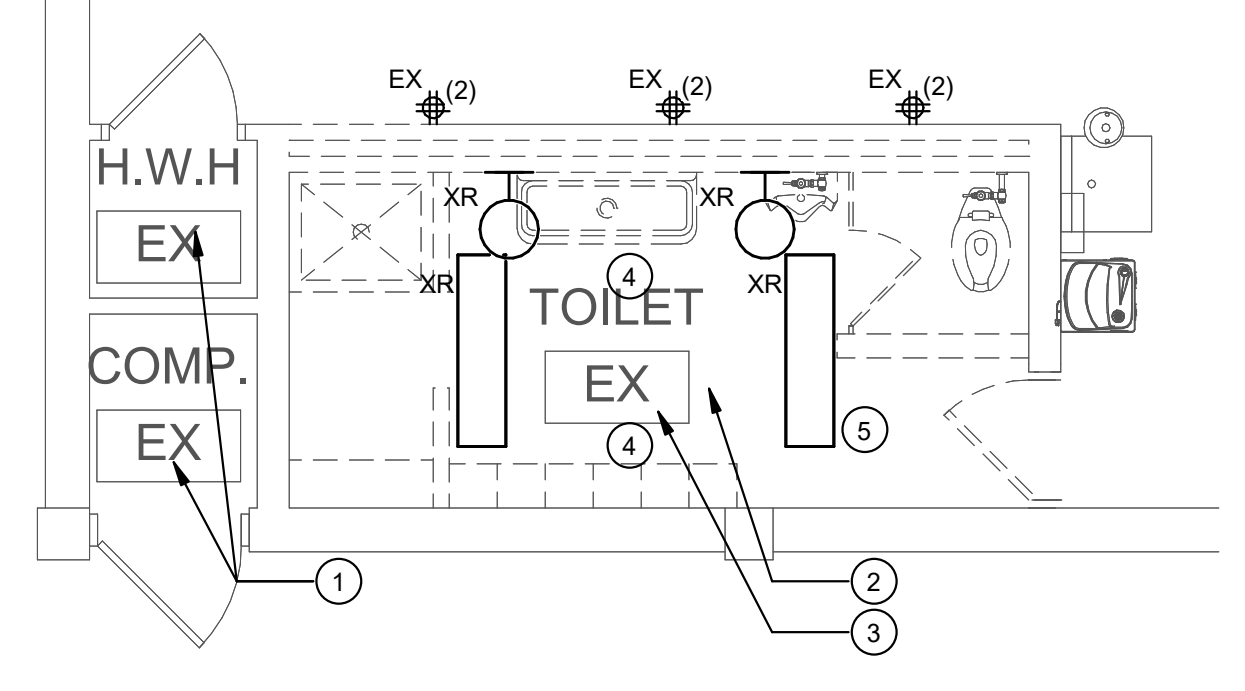
3 ELECTRICAL - RESTROOM PLAN
1/4" = 1'-0"

- # ELECTRICAL - RESTROOM PLAN KEYNOTES:**
1. REUSE EXISTING LIGHTING CIRCUIT MADE AVAILABLE FROM DEMOLITION.
 2. DISCONNECT SWITCH INTEGRAL TO UNIT
 3. VERIFY EXISTING CIRCUIT AND TRACE PRIOR TO INSTALL. VERIFY COMPLIANCE WITH NEC 220.14(I). IN THE EVENT OF NON-COMPLIANCE, NOTIFY ARCHITECT AND AWAIT FOR SUPPLEMENTAL INSTRUCTIONS.
 4. FOR HEATER. PROVIDE 2#12 & 1#12(G) - 3/4". TO THE NEAREST EXISTING 120/208V PANEL. PROVIDE ON A DEDICATED 20 AMP CIRCUIT. FIELD VERIFY LOADS ON THE EXISTING PANEL WITH NEC 220.87. NEW BREAKER SHALL MATCH EXISTING AIC RATING, VOLTAGE, TYPE, AND MANUFACTURER. PROVIDE 20 AMP RATED MOTOR SWITCH FOR DISCONNECTING MEANS. PROVIDE WIRING TO LINE VOLTAGE THERMOSTAT.



2 ELECTRICAL - RESTROOM PLAN - DEMOLITION
1/4" = 1'-0"

- # ELECTRICAL - RESTROOM PLAN - DEMOLITION KEYNOTES:**
1. ALL EXISTING ELECTRICAL WITHIN THIS AREA SHALL REMAIN
 2. REINSTALL EXISTING CIRCUITS THAT PASS THROUGH DEMOLITION AREA THAT ARE TO REMAIN. TYPICAL THROUGHOUT DEMOLITION SCOPE AREA.
 3. SEE NEW WORK. THERE SHALL BE NO JUNCTION BOXES LEFT ABOVE HARD CEILINGS.
 4. REINSTALL EXISTING CEILING SENSORS IN THE SAME LOCATION. COORDINATE WITH OWNER.
 5. PREPARE CIRCUIT FOR RECONNECTION / REUSE.



LUMINAIRE SCHEDULE								
TYPE MARK	MANUFACTURER	MODEL	VOLT	LAMP	WATT	COLOR TEMP	DESCRIPTION	COMMENTS / OPTIONS
A	LIGHTWAY	17-LED-L038-4-W2-FSG-DIM	MVOLT	LED 3000 LM	22 W	4000 K	SEMI FLUSH 16 1/2" DOME LED WITH WHITE TRIM FINISH AND FROSTED SMOOTH GLASS LENS.	PROVIDE ALL MOUNTING HARDWARE.

- LUMINAIRE SCHEDULE NOTES:**
1. MANUFACTURER CATALOG NUMBERS ARE SHOWN FOR GENERAL DESCRIPTIVE PURPOSES AND TO ESTABLISH STANDARD OF QUALITY ONLY. PROVIDE LUMINAIRES COMPLETE WITH ALL OPTIONS AND ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION. ALL PRODUCTS SHALL BE UL LISTED. ALL SUBSTITUTION REQUEST SHALL BE SUBMITTED FOR REVIEW PRIOR TO BID PER SPECIFICATIONS.
 2. VERIFY CONSTRUCTION OF CEILINGS BEING INSTALLED AND PROVIDE THE LUMINAIRES SPECIFIED IN APPROPRIATE CONFIGURATION WITH ALL HARDWARE AND ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION.
 3. PROVIDE LUMINAIRES WITH JOINING PLATES, END CAPS, CANOPIED, MOUNTING HARDWARE, ETC. AS REQUIRED FOR COMPLETE INSTALLATION.
 4. PROVIDE DEVICES FOR SECURING LAY-IN TYPE LUMINAIRES TO CEILING GRID TO COMPLY WITH ARTICLE 410 OF THE NATIONAL ELECTRIC CODE.
 5. EMERGENCY BATTERY PACKS FOR LED LUMINAIRES SHALL OPERATE FOR 90 MINUTES MINIMUM.
 6. LED FIXTURES: TO INSURE A FIXTURE WILL PERFORM "AS ADVERTISED" ON A CUT SHEET, THE PUBLISHED SPECIFICATION SHALL BE SUPPORTED BY LM-79 TEST RESULTS. LED FIXTURES WHICH ARE BUILT USING LED'S SHALL HAVE SUCCESSFULLY PASSED LM-80. LED'S SHALL YIELD A LM-80 RESULT OF A MINIMUM OF 70% OF THE ORIGINAL LIGHT OUTPUT OF THE LED STILL BEING DELIVERED AFTER 50,000 HOURS OF OPERATION. THE POWER SUPPLY UNIT (DRIVER) SHALL HAVE 150,000 HOURS MTBF (MEAN TIME BETWEEN FAILURES). AN INTEGRATED BATTERY BACKUP SOLUTION FOR THE LED FIXTURE IS REQUIRED. REPLACEABLE LED BOARDS TO ALLOW FIXTURE UPGRADE.
 7. VERIFY CONSTRUCTION OF CEILINGS BEING INSTALLED AND PROVIDE THE LUMINAIRES SPECIFIED IN APPROPRIATE CONFIGURATION WITH ALL HARDWARE AND ACCESSORIES REQUIRED FOR COMPATIBLE INSTALLATION.

STANDARD WALL MOUNTING HEIGHTS

DEVICE OR EQUIPMENT TYPE	MOUNTING HEIGHT (AFF/AFG)	MEASURED TO	NOTES
PANELBOARDS	78"	TOP	1, 3
PLUGMOLD AND WIREMOLD	SEE NOTES	TOP	1, 4
RECEPTACLES - NORMAL AREAS	18"	CENTER	1
RECEPTACLES - ABOVE COUNTER	SEE NOTES	TOP	1, 4
RECEPTACLES - EXTERIOR AREAS	18"	CENTER	1
RECEPTACLES - UNDER COUNTER	18"	CENTER	1
SAFETY SWITCHES	78"	TOP	1, 3
SENSORS - WALL MOUNTED	96"	TOP	1, 2
ENCLOSED CIRCUIT BREAKERS	78"	TOP	1, 3
FA NOTIFICATION DEVICES	84"	BOTTOM	1
FA PULL STATIONS	48"	TOP	1
LIGHT SWITCHES	48"	TOP	1

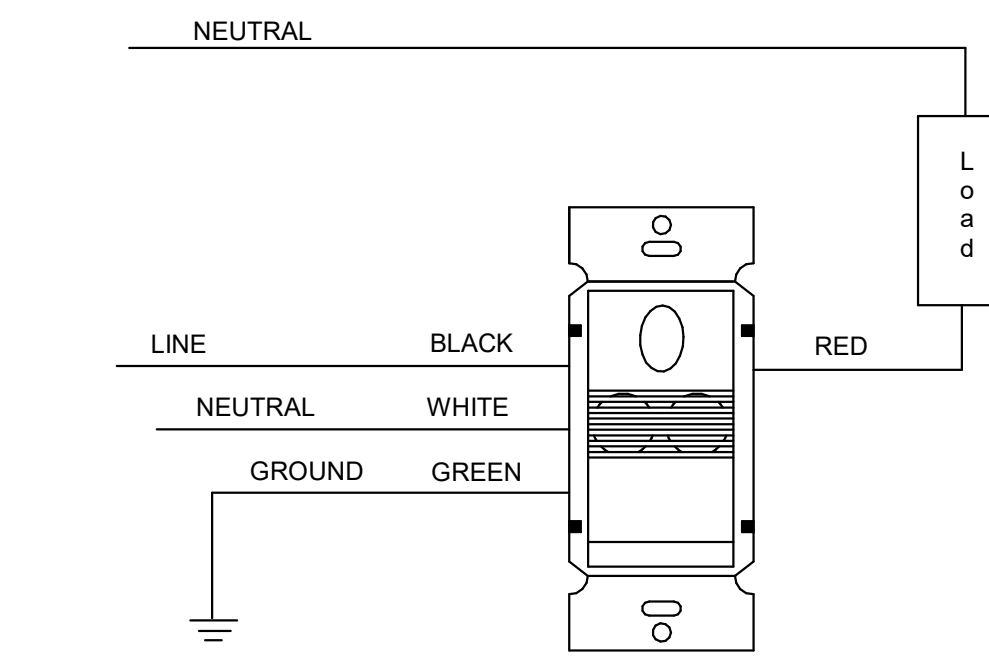
- NOTES:**
1. UNLESS NOTED OTHERWISE, WALL MOUNTING HEIGHTS INDICATED ON DRAWINGS OR DETAILS SHALL SUPERSEDE STANDARD WALL MOUNTING HEIGHTS LISTED HERE. COORDINATE ALL DEVICE LOCATIONS WITH OTHER TRADES PRIOR TO INSTALLATION. COORDINATE EXACT HEIGHT AND LOCATION WITH ARCHITECTURAL INTERIOR ELEVATIONS AND CASEWORK SHOP DRAWINGS PRIOR TO INSTALLATION. ADJUST TO MATCH MASONRY COURSES, IF APPLICABLE. MOUNT ALL BOXES TRUE AND PLUMB.
 2. CEILING HEIGHT PERMITTING, OTHERWISE MOUNT 12" BELOW CEILING TO TOP OF BOX.
 3. MOUNTING HEIGHT AS MEASURED TO TOP OF ENCLOSURE OR CENTER OF OPERATING HANDLE AT HIGHEST POSITION, WHICHEVER IS HIGHER. STACKING OF SAFETY SWITCHES, ENCLOSED CIRCUIT BREAKERS AND MOTOR STARTERS IS PERMITTED.
 4. MOUNT 6" ABOVE COUNTERTOP OR BACKSPLASH (IF APPLICABLE) TO TOP OF BOX. COORDINATE EXACT HEIGHT AND LOCATION WITH ARCHITECTURAL INTERIOR ELEVATIONS AND CASEWORK SHOP DRAWINGS PRIOR TO INSTALLATION.

DRAWING CONVENTIONS

- NEW WORK
- EX ○ EX EXISTING TO REMAIN
- XR ○ XR EXISTING TO REMOVE

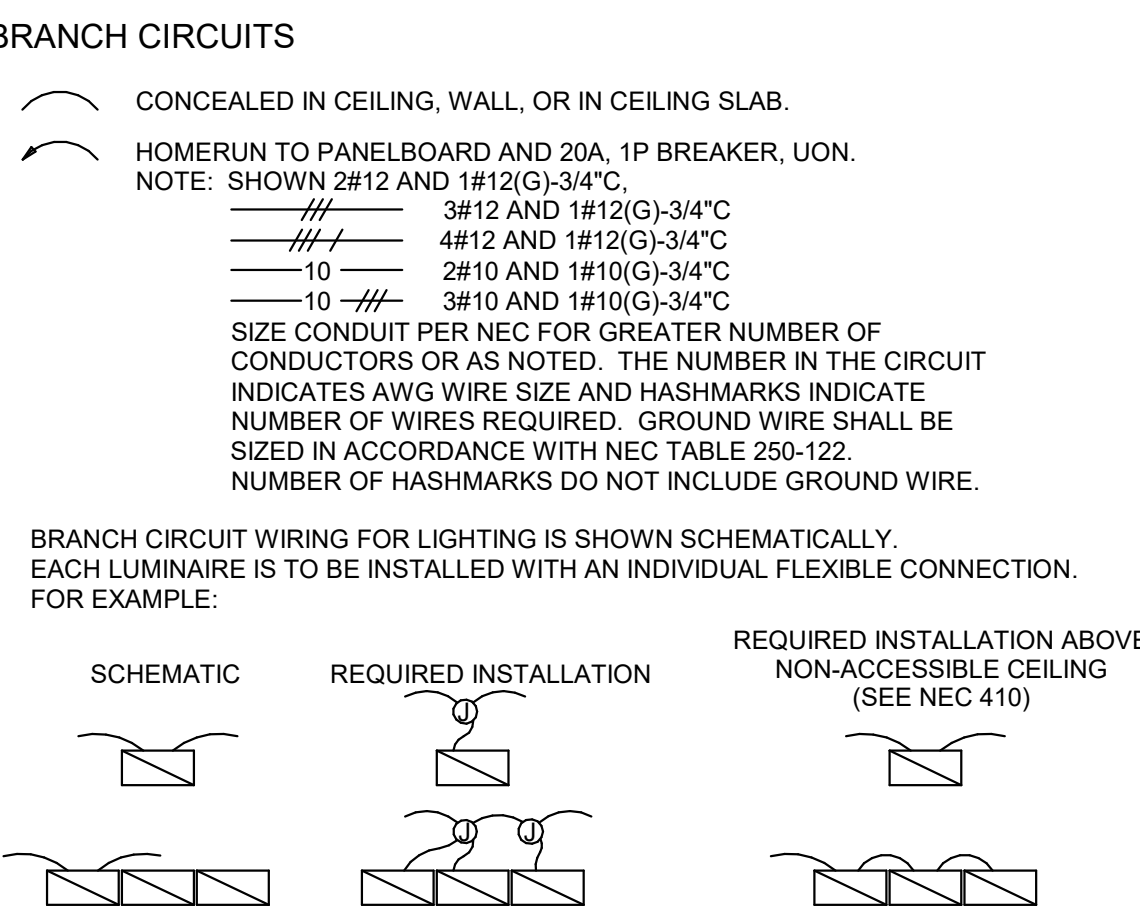
ABBREVIATIONS

- A AMPERES
- AFF ABOVE FINISHED FLOOR
- AWG AMERICAN WIRE GAUGE
- C CONDUIT RACEWAY
- CU COPPER
- CKTS CIRCUITS
- EC ELECTRICAL CONTRACTOR
- EM EMERGENCY
- G GROUND
- H MOUNTING HEIGHT TO CENTERLINE
- KVA KILOVOLT-AMPERES
- KW KILOWATT
- N NEUTRAL
- NEC NATIONAL ELECTRICAL CODE
- NIC NOT IN CONTRACT
- NL NIGHT LIGHT
- OC ON CENTER
- P POLES
- UON UNLESS OTHERWISE NOTED
- V VOLTS
- W WIRES
- EX EXISTING TO REMAIN
- XR EXISTING, REMOVE



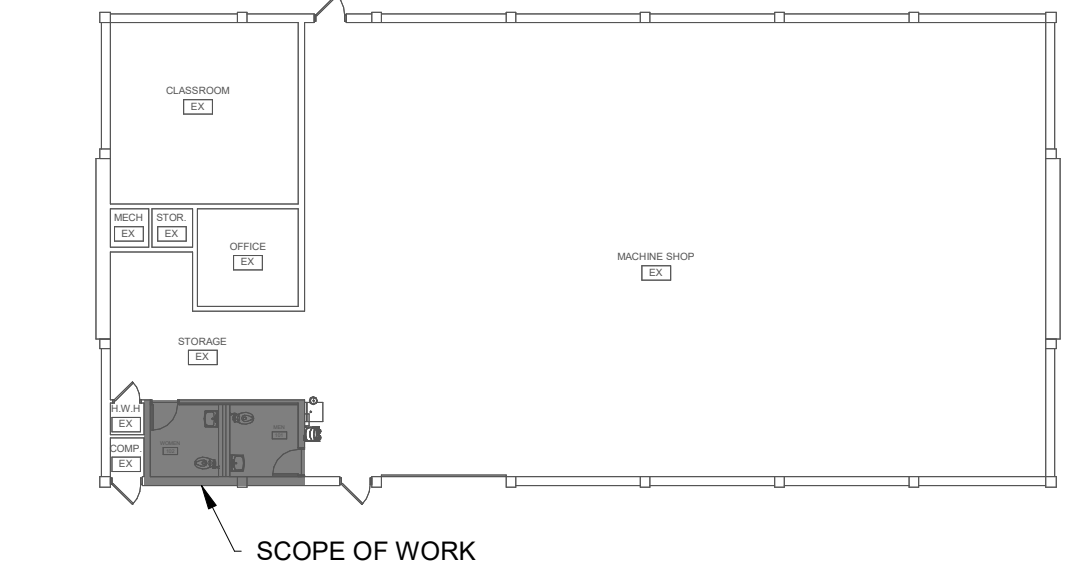
DETAIL - WALL SWITCH SENSOR
NOT TO SCALE

- RECEPTACLES**
- WALL MOUNTED**
- GROUND FAULT RECEPTACLE - NEMA 5-20R GF
 - ⊕ QUADRUPLEX RECEPTACLE - NEMA 5-20R
- LIGHTING (SEE LUMINAIRE SCHEDULE)**
- CEILING RECESSED**
- SURFACE MOUNTED LED LUMINAIRE - SINGLE OR CONTINUOUS LENGTHS AS SHOWN.
 - SEMI FLUSH SURFACE MOUNTED DOME LED
 - WALL MOUNTED VANITY LED
- WALL MOUNTED**
- SWITCHES**
- OCCUPANCY SENSOR, WALL MTD
 - M1§ MOTOR SWITCH



ELECTRICAL NOTES

1. THESE DRAWINGS ARE A PART OF A COMPLETE SET OF ARCHITECTURAL/ENGINEERING CONTRACT DOCUMENTS. ELECTRICAL CONTRACTOR SHOULD REFER TO THE ARCHITECTURAL DRAWINGS FOR ACTUAL LOCATION OF ITEMS WHERE SPECIFIED. SEE SAID CONFIGURATIONS FOR WALL DEFINITIONS, ELEVATIONS, CASEWORK, REFLECTED CEILING PLAN, ETC. ROUGH-IN INSTALLATIONS WHICH ARE NOT LOCATED ACCORDING TO THE ARCHITECTURAL ELEVATIONS SHALL BE RELOCATED AT NO ADDITIONAL COST.
2. CEILING CLEARANCES ARE CRITICAL FOR THIS PROJECT. GENERAL CONTRACTOR MUST COORDINATE ALL TRADES TO AVOID POTENTIAL INTERFERENCES. CONFLICTS BETWEEN TRADES SHALL BE REFERRED TO THE ARCHITECT FOR RESOLUTION.
3. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE NEC AND LOCAL ORDINANCES. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS.
4. ALL SYMBOLS SHOWN ON THIS LEGEND MAY NOT BE USED.
5. ALL PANELBOARDS ARE 3Ø 4W UNLESS OTHERWISE NOTED.
6. ALL BRANCH CIRCUITS SHOWN SHALL BE MC CABLE.
7. ALL CIRCUITS SHOWN CONCEALED SHALL BE RUN IN FURRED CEILING SPACES AND SHALL BE CONCEALED IN CONCRETE SLAB ONLY WHEN NO FURRED CEILING SPACE IS PROVIDED.
8. ALL WALL OUTLETS NOT PROVIDED WITH A DEVICE BY THIS CONTRACTOR SHALL BE PROVIDED WITH BLANK WALL PLATES.
9. ALL BRANCH CIRCUITS SHALL INCLUDE A GREEN COVERED GROUND WIRE SIZED PER NEC OR AS SHOWN. CONNECT TO EACH DEVICE AND OUTLET BOX ON THE CIRCUIT AND TO THE PANELBOARD GROUND BUS. NUMBER OF WIRES SHOWN ON DRAWINGS DOES NOT INCLUDE GROUND WIRE.
10. FINAL EQUIPMENT CONNECTIONS - THIS CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR & MATERIALS REQUIRED TO MAKE FINAL CONNECTIONS TO ALL EQUIPMENT FURNISHED BY THIS CONTRACTOR AND/OR EQUIPMENT FURNISHED BY OTHERS. VERIFY ALL REQUIREMENTS, CONDUCTOR SIZE, OVERCURRENT PROTECTION, PHASE, VOLTAGE, MOTOR ROTATION, ETC., WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN. PROVIDE FUSED DISCONNECT IF REQUIRED BY MANUFACTURER.



1 KEY PLAN
NOT TO SCALE

Dewberry

2 Riverchase Office Plaza
Suite 205
Hoover, AL 35244
(205) 988-2069
www.dewberry.com

Project Number :
50171446

LATHAN ARCHITECTS

RENOVATION OF
AYERS PRECISION MACHINING TECHNOLOGY RESTROOM
1801-M COLEMAN ROAD, ANNISTON, AL 36202
GADSDEN STATE COMMUNITY COLLEGE

SHEET TITLE:
ELECTRICAL LEGEND & FLOOR PLAN

PROJ. MGR.: CR
DRAWN: AM

DATE: MAY 31, 2024

REVISIONS

JOB NO. 24-18
SHEET NO. E1.0
1 OF 1