RICHARD BLAND COLLEGE GYM BATHROOM

WORKING DRAWINGS

7/21/23 PROJECT # 236007

OWNER

RICHARD BALND COLLEGE 11301 JOHNSON ROAD SOUTH PRINCE GEORGE, VA 23805

ARCHITECT

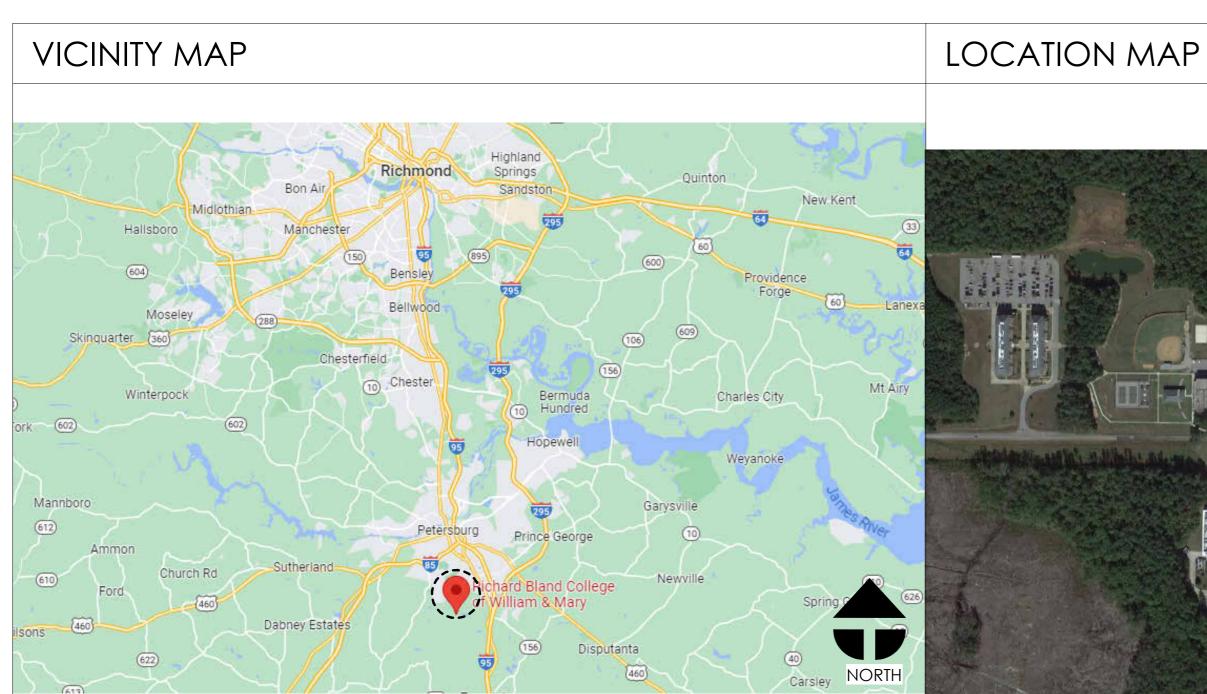
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MEP CONSULTANT

INVERSITY CONSULTING 250 WYLDEROSE CMNS SUITE 102, MIDLOTHIAN, VA 23113 804.977.0403 INVERSITYCONSULTING.COM

GENERAL NOTES

- ALL WORK AND MATERIALS SHALL COMPLY WITH ALL LOCAL AND GOVERNING CODES.
- ALL WORK AND MATERIALS SHALL BE PROVIDED AND INSTALLED BY QUALIFIED PERSONNEL IN A WORKMANLIKE MANNER.
- ALL PRODUCTS SHALL BE NEW, BEST OF THEIR KIND, AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
- DISCREPANCIES, OMISSIONS, AMBIGUITIES, OR CONFLICTS WITHIN THE CONSTRUCTION DOCUMENTS, OR SHOULD THEY BE IN DOUBT AS TO THEIR MEANING OR INTENTION, THEY SHOULD NOTIFY THE ARCHITECT FOR CLARIFICATION PRIOR TO PROCEEDING WITH THE WORK. DURING CONSTRUCTION, THE CONTRACTOR MAY EXPOSE CONDITIONS THAT ARE UNSTABLE OR UNSAFE. IF THE CONTRACTOR FINDS SUCH CONDITIONS, THEY SHALL TAKE EMERGENCY ACTION TO STABILIZE THE CONDITIONS AND NOTIFY THE OWNER AND
- CONTRACTOR SHALL COORDINATE THE WORK OF ALL SUBCONTRACTORS. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO BID ALL PARTS OF THE CONSTRUCTION DOCUMENTS TO ALL SUBCONTRACTORS. THE ENTIRE SET OF CONSTRUCTION DOCUMENTS IS COHESIVE AND HOLISTIC FOR ALL TRADES. NOTES INDICATED ON ONE SHEET APPLY TO ALL SHEETS OF THE DRAWINGS FOR ALL TRADES.
- CONTRACTOR SHALL COORDINATE ALL REQUIRED UTILITY WORK.
- CONTRACTOR SHALL MAINTAIN A CLEAN AND SECURE WORK SITE AT ALL TIMES.
- CONTRACTOR SHALL PROVIDE ALL REQUIRED EROSION CONTROL DEVICES, CONSTRUCTION BARRICADES, AND PROTECTIVE DEVICES DURING CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN FIRE EXTINGUISHING EQUIPMENT AT THE WORK AREA AT ALL TIMES.
- DIMENSIONS ARE TO FINISH SURFACE UNLESS OTHERWISE NOTED
- ALL DIMENSIONS SHALL BE CHECKED AND VERIFIED PRIOR TO PROCEEDING WITH THE WORK OR ORDERING MATERIALS. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR
- ALL FRAMING WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED TO PREVENT ROT AND DECAY.
- PROVIDE SEALANT AND BACKER ROD AT ALL WOOD, METAL, AND CONCRETE JOINTS. CAULK BETWEEN MASONRY AND OTHER MATERIALS.
- ISOLATE DISSIMILAR METALS TO PREVENT GALVANIC ACTION OR CORROSION.
- 15. ALL PIPES, DUCTS, VENTS, WIRES, ETC. ARE TO BE CONCEALED UNLESS OTHERWISE NOTED.
- 16. PROVIDE ALL MATERIALS, LABOR, AND EQUIPMENT NECESSARY TO COMPLETE THE WORK.
- DO NOT USE OPEN FLAMES, HEATING EQUIPMENT, CUTTING EQUIPMENT OR OTHER TOOLS IN A WAY THAT WOULD IGNITE COMBUSTIBLE CONSTRUCTION OR MATERIALS.
- MAINTAIN ALL STATUTORY REQUIRED INSURANCE FOR THE PROJECT. SUBMIT A CERTIFICATE OF INSURANCE TO THE OWNER FOR REVIEW BY THE OWNER'S INSURANCE AGENT.
- UPDATE THE ARCHITECT AND THE OWNER ON THE PROGRESS OF THE WORK ON A REGULAR BASIS. PROVIDE A SCHEDULE FOR THE PROJECT. PROVIDE ACCESS AND ALLOW THE ARCHITECT TO REVIEW THE CONSTRUCTION THROUGHOUT THE PROJECT.
- PROVIDE DAMP PROOFING ON ALL WALLS BELOW GRADE, AND ALL MASONRY WALL SURFACES INSIDE WALL CAVITIES.
- PROVIDE PREFABRICATED END DAMS, CORNERS, AND TRANSITIONS AT ALL FLASHING AREAS.
- PROVIDE CONTROL JOINTS AND EXPANSION JOINTS AS RECOMMENDED BY MANUFACTURERS AND AS REQUIRED BY INDUSTRY STANDARDS. MASONRY EXPANSION JOINTS SHALL BE LOCATED NEAR BUILDING CORNERS AND MAJOR WINDOWS. JOINTS SHALL NOT EXCEED 20'-0" O.C. UNLESS APPROVED BY ARCHITECT. REVIEW EXPANSION JOINT LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.
- IN CASES OF CONFLICTS BETWEEN DRAWINGS AND/ OR SPECIFICATIONS, THE CONTRACTOR IS TO NOTIFY THE ARCHITECT FOR CLARIFICATIONS BEFORE PROCEEDING WITH THE WORK. FOR BID AND PRICING PURPOSES, THE MORE EXPENSIVE OR RESTRICTIVE OPTION SHOULD BE INCLUDED IN THE PROJECT.
- DO NOT SCALE DRAWINGS, CONTRACTOR TO RELY ON WRITTEN DIMENSIONS, ALL DIMENSIONS SHOULD BE VERIFIED. NOTIFY ARCHITECT FOR CLARIFICATION.
- THE CONTRACTOR SHALL COORDINATE AND VERIFY THE INSTALLATION OF BUILDING SYSTEMS AND COMPONENTS PRIOR TO INSTALLATION, PREPARE COORDINATION DRAWINGS AND SHOP DRAWINGS TO SHOW INTEGRATION OF BUILDING SYSTEMS. ASSEMBLE AND INSTALL PIPES, DUCTS, ELECTRICAL AND OTHER BUILDING CONSTRUCTION TO AVOID CONFLICTS WITH THE DESIGN INTENT. SHIFT BUILDING SYSTEMS AS REQUIRED TO ACHIEVE THE FINISHED DIMENSIONS OF WALLS, CEILINGS AND OTHER ARCHITECTURAL FEATURES MAINTAIN STRUCTURAL INTEGRITY AT ALL TIMES.
- THESE DRAWINGS ARE BASED ON HISTORICAL DRAWINGS OF THE EXISTING BUILDING AND LIMITED FIELD INVESTIGATION. CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS PRIOR TO PERFORMING THE WORK. CONTRACTOR MAY REQUEST ACCESS TO PREVIOUS CONSTRUCTION DOCUMENTS TO THE OWNER FOR ADDITIONAL INFORMATION IF







ENTEROS DESIGN 7 NORTH 25TH STREET

RICHMOND, VA 23223

804.861.1200 P

Written dimensions on these drawings shall have precedence over scaled Architect must be notified of any variations from the dimensions and conditions shown on these drawings

CONSULTANT

RC

WORKING DRAWINGS

REVISIONS

DESCRIPTION

COVER

PROJ. NO.: 236007 DATE: 7/21/23

BBBBBBBB

ARCHITECTURAL ABBREVIATIONS

-PT //C B BS BV CP CT CW CWP DJ FF HU LT L P P C S TTN UTO V W W E J D - L D G L K C W O T O S O S M O T O S S M T O S S M T O S M T O S S S M T O S S S M T O S S S M T O S S S M T O S S S M T O S S S S S S S S S S S S S S S S S S	ACCENT PAINT AIR CONDITIONING ANCHOR BOLT AIR BARRIER SYSTEM ABOVE ACOUSTICAL CEILING PANEL ACOUSTICAL CEILING TILE ALUMINUM CLAD WINDOW ALUMINUM COMPOSITE WALL PANEL ADJUSTABLE ABOVE FINISHED FLOOR AIR HANDLING UNIT ALTERNATE ALUMINUM ACCESS PANEL ARCHITECTURAL PRECAST CONCRETE ALUMINIUM STOREFRONT ATTENUATION AUTOMATIC AVERAGE ALUMINIUM WINDOW ACOUSTICAL WALL COVERING ACOUSTICAL WALL PANEL BUILDING EXPANSION JOINT	FND FOC FOM FOW FR FRA FRM FRP FRT FT FTG FURN FVC GA GAL GALV GPDW GFRC GFRG	FOUNDATION FACE OF FACE OF FACE OF CONCRETE FACE OF MASONRY FACE OF WALL FIRE RATED FIRE RATED ASSEMBLY FRAME FIBERGLASS REINFORCED PLASTIC FIRE RETARDANT TREATED FOOT FOOTING FURNITURE FIRE VALVE CABINET FABRIC WALL COVERING GAUGE GALLON GALVANIZED GYPSIMA DRYWALL
BS BV CP CT CW CWP DJ FF HU LT L P PC S TTN UTO VG WP EJ D E L L K C M OT OS OW R G S MT	AIR BARRIER SYSTEM ABOVE ACOUSTICAL CEILING PANEL ACOUSTICAL CEILING TILE ALUMINUM CLAD WINDOW ALUMINUM COMPOSITE WALL PANEL ADJUSTABLE ABOVE FINISHED FLOOR AIR HANDLING UNIT ALTERNATE ALUMINUM ACCESS PANEL ARCHITECTURAL PRECAST CONCRETE ALUMINIUM STOREFRONT ATTENUATION AUTOMATIC AVERAGE ALUMINIUM WINDOW ACOUSTICAL WALL COVERING ACOUSTICAL WALL PANEL	FOM FOW FR FRA FRM FRP FRT FT FTG FURN FVC FWC GA GAL GALV GPDW GFRC GFRG	FACE OF MASONRY FACE OF WALL FIRE RATED FIRE RATED ASSEMBLY FRAME FIBERGLASS REINFORCED PLASTIC FIRE RETARDANT TREATED FOOT FOOTING FURNITURE FIRE VALVE CABINET FABRIC WALL COVERING GAUGE GALLON GALVANIZED
BV CP CT CW CWP DJ FF HU LT L P PC S TTN UTO VG W WC WP EJ D E L L K C M OT OS OW R G S MT	ABOVE ACOUSTICAL CEILING PANEL ACOUSTICAL CEILING TILE ALUMINUM CLAD WINDOW ALUMINUM COMPOSITE WALL PANEL ADJUSTABLE ABOVE FINISHED FLOOR AIR HANDLING UNIT ALTERNATE ALUMINUM ACCESS PANEL ARCHITECTURAL PRECAST CONCRETE ALUMINIUM STOREFRONT ATTENUATION AUTOMATIC AVERAGE ALUMINIUM WINDOW ACOUSTICAL WALL COVERING ACOUSTICAL WALL PANEL	FOW FR FRA FRM FRP FRT FT FTG FURN FVC FWC GA GAL GALV GPDW GFRC GFRG	FACE OF WALL FIRE RATED FIRE RATED ASSEMBLY FRAME FIBERGLASS REINFORCED PLASTIC FIRE RETARDANT TREATED FOOT FOOTING FURNITURE FIRE VALVE CABINET FABRIC WALL COVERING GAUGE GALLON GALVANIZED
CT CW CWP DJ FF HU LT L P PC S TTN UTO VG W WC WP EJ D E LDG LK LKG M OT OS OW RG SMT	ACOUSTICAL CEILING TILE ALUMINUM CLAD WINDOW ALUMINUM COMPOSITE WALL PANEL ADJUSTABLE ABOVE FINISHED FLOOR AIR HANDLING UNIT ALTERNATE ALUMINUM ACCESS PANEL ARCHITECTURAL PRECAST CONCRETE ALUMINIUM STOREFRONT ATTENUATION AUTOMATIC AVERAGE ALUMINIUM WINDOW ACOUSTICAL WALL COVERING ACOUSTICAL WALL PANEL	FRA FRM FRP FRT FT FTG FURN FVC GA GAL GALV GPDW GFRC GFRG	FIRE RATED ASSEMBLY FRAME FIBERGLASS REINFORCED PLASTIC FIRE RETARDANT TREATED FOOT FOOTING FURNITURE FIRE VALVE CABINET FABRIC WALL COVERING GAUGE GALLON GALVANIZED
CWP DJ FF HU LT L P PC S TTN UTO VG W WC WP EJ D E LDG LK LKG M OT OS OW RG SMT	ALUMINUM COMPOSITE WALL PANEL ADJUSTABLE ABOVE FINISHED FLOOR AIR HANDLING UNIT ALTERNATE ALUMINUM ACCESS PANEL ARCHITECTURAL PRECAST CONCRETE ALUMINIUM STOREFRONT ATTENUATION AUTOMATIC AVERAGE ALUMINIUM WINDOW ACOUSTICAL WALL COVERING ACOUSTICAL WALL PANEL	FRP FRT FT FTG FURN FVC GA GAL GALV GPDW GFRC GFRG	FIBERGLASS REINFORCED PLASTIC FIRE RETARDANT TREATED FOOT FOOTING FURNITURE FIRE VALVE CABINET FABRIC WALL COVERING GAUGE GALLON GALVANIZED
DJ FF HU LT L P PC S TTN UTO VG W WC WP EJ D E L DG L K L K G M OT OS OW R G S MT	ADJUSTABLE ABOVE FINISHED FLOOR AIR HANDLING UNIT ALTERNATE ALUMINUM ACCESS PANEL ARCHITECTURAL PRECAST CONCRETE ALUMINIUM STOREFRONT ATTENUATION AUTOMATIC AVERAGE ALUMINIUM WINDOW ACOUSTICAL WALL COVERING ACOUSTICAL WALL PANEL	FRT FTG FURN FVC FWC GA GAL GALV GPDW GFRC GFRG	FIRE RETARDANT TREATED FOOT FOOTING FURNITURE FIRE VALVE CABINET FABRIC WALL COVERING GAUGE GALLON GALVANIZED
HU LT L P PC S TTN UTO VG W WC WP EJ D E LDG LK LKG M OT OS OW RG SMT	AIR HANDLING UNIT ALTERNATE ALUMINUM ACCESS PANEL ARCHITECTURAL PRECAST CONCRETE ALUMINIUM STOREFRONT ATTENUATION AUTOMATIC AVERAGE ALUMINIUM WINDOW ACOUSTICAL WALL COVERING ACOUSTICAL WALL PANEL	FTG FURN FVC FWC GA GAL GALV GPDW GFRC GFRG	FOOTING FURNITURE FIRE VALVE CABINET FABRIC WALL COVERING GAUGE GALLON GALVANIZED
L P P C S TTN UTO VG W WC WP EJ D L L D G L K L K G M OT OS OW R G S MT	ALUMINUM ACCESS PANEL ARCHITECTURAL PRECAST CONCRETE ALUMINIUM STOREFRONT ATTENUATION AUTOMATIC AVERAGE ALUMINIUM WINDOW ACOUSTICAL WALL COVERING ACOUSTICAL WALL PANEL	FVC FWC GA GAL GALV GPDW GFRC GFRG	FIRE VALVE CABINET FABRIC WALL COVERING GAUGE GALLON GALVANIZED
P PC S TTN UTO VG W WC WP EJ D LDG LK LKG M OT OS OW RG SMT	ACCESS PANEL ARCHITECTURAL PRECAST CONCRETE ALUMINIUM STOREFRONT ATTENUATION AUTOMATIC AVERAGE ALUMINIUM WINDOW ACOUSTICAL WALL COVERING ACOUSTICAL WALL PANEL	FWC GA GAL GALV GPDW GFRC GFRG	FABRIC WALL COVERING GAUGE GALLON GALVANIZED
S ITIN UTO VG W WC WP EJ D LDG LK LKG M OT OS OW RG SMT	ALUMINIUM STOREFRONT ATTENUATION AUTOMATIC AVERAGE ALUMINIUM WINDOW ACOUSTICAL WALL COVERING ACOUSTICAL WALL PANEL	GAL GALV GPDW GFRC GFRG	GALLON GALVANIZED
UTO VG W WC WP EJ D LDG LK LKG M OT OS OW RG SMT	AUTOMATIC AVERAGE ALUMINIUM WINDOW ACOUSTICAL WALL COVERING ACOUSTICAL WALL PANEL	GPDW GFRC GFRG	
W WC WP EJ D E LDG LK LKG M OT OS OW RG SMT	ALUMINIUM WINDOW ACOUSTICAL WALL COVERING ACOUSTICAL WALL PANEL	GFRG	GYPSUM DRYWALL
WC WP EJ D C LDG LK LKG M OT OS OW RG SMT	ACOUSTICAL WALL COVERING ACOUSTICAL WALL PANEL		GLASS FIBER REINFORCED CONCRETE GLASS FIBER REINFORCED GYPSUM
EJ D LDG LK LKG M DT DS DW RG SMT		GL	GLASS
ELDG LK LK LKG M OT OS OW RG SMT	BUILDING LAFANSION JOINT	GL-BLK GPL	GLASS BLOCK GYPSUM PLASTER
LDG LK LKG M OT OS OW RG SMT	BOARD BARRIER FREE	GPM GRAN	GALLONS PER MINUTE GRANITE
KG M OT OS OW RG SMT	BUILDING	GSF	GROSS SQAURE FOOT
DT DS DW RG BMT	BLOCK BLOCKING	GSU GT	GLAZED STRUCTURAL UNIT GLASS TILE
OS OW RG BMT	BENCH MARK BOTTOM	GWT GYP	GLAZED WALL TILE GYPSUM
RG MT	BOTTOM OF STRUCTURE	НВ	HOSE BIBB
	BOTTOM OF WALL BEARING	HBD HDNR	HARDBOARD HARDENER
WN	BASEMENT BETWEEN	HDR HDWD	HEADER HARDWOOD
JR	BUILT-UP ROOF	HDWR	HARDWARE
ΑB	CARPET CABINET	HM HORIZ	HOLLOW METAL HORIZONTAL
3 CTV	CHALKBOARD CLOSED CIRCUIT TELEVISION	HP HPFP	HORSEPOWER HIGH PERFORMANCE FLOOR PAINT
SF	COLD FORMED STEEL FRAMING	HR	HOUR
FSF-S G	COLD FORMED STEEL FRAMING, STRUCTURAL CORNER GUARD	HT HTG	HEIGHT HEATING
PC	CAST IN PLACE CONCRETE	HTR	HEATER
J LG	CONTROL JOINT CEILING	HVAC ID	HEATING, VENTILATING, AIR CONDITIONING INSIDE DIAMETER
LR M	CLEAR CENTIMETER	IN INCL	INCH INCLUDE
MBD	CEMENT BOARD	INFO	INFORMATION
MU MU-A	CONCRETE MASONRY UNIT CONCRETE MASONRY UNIT-ACOUSTICAL	INST INSUL	INSTALLATION INSULATION
MU-GF MU-GLZ	CONCRETE MASONRY UNIT - GROUND FACE CONCRETE MASONRY UNIT - GLAZED	INT IRWC	INTERIOR IMPACT RESISTANT WALL COVERING
MU-SPLF	CONCRETE MASONRY UNIT - SPLIT FACE	IWB	INTERACTIVE WHITE BOARD
O OL	CLEANOUT COLUMN	JAN JC	Janitor Janitor Closet
ONC ONST	CONCRETE CONSTRUCTION	JCT JT	JUNCTION JOINT
ONT ONTR CONTR	CONTINUOUS	KO L	KNOCKOUT
ORR	CORRIDOR	LAB	LENGTH/LONG LABORATORY
PT R	CARPET TILE CLASSROOM	LAHJ LAM	LOCAL AUTHORITY HAVING JURISDICTION LAMINATE
RS SMU	COURSE CAST STONE MASONRY UNIT	LAV LBS	LAVATORY POUNDS
Γ	CERAMIC TILE	LGMF	LIGHT GAUGE METAL FRAMING
rsk Jft	COUNTERSINK CUBIC FOOT	LH LIN	LEFT HAND LINOLEUM
JYD V	CUBIC YARD CURTAIN WALL	LKR LLH	LOCKER LONG LEG HORIZONTAL
VFD	CEMENTITIOUS WOOD FIBER DECK	LLV	LONG LEG VERTICAL
BL	DEPTH/DEEP Double	LMC LPS	LINEAR METAL CEILING LAMINATE PANEL SYSTEM
MO PT	DEMOLITION DEPARTMENT	LT LVR	LIGHT Louver
	DRINKING FOUNTAIN	LVT	LUXURY VINYL TILE
) A	DOOR GRILLE DIAMETER	M MACH	METER MACHINE
AG M	DIAGONAL DIMENSION	MAS MATL	MASONRY MATERIAL
V	DIVISION	MAX	MAXIMUM
N	DOOR LOUVER DOWN	MB MBL	markerboard marble
	DAMPPROOFING DISPLAY RAIL	MCP MECH	METAL CEILING PANEL MECHANICAL
	DOWNSPOUT	MED	MEDIUM
L VG	DETAIL DRAWING	MEMB MFR	MEMBRANE MANUFACTURER
VR	DRAWER EACH	MIF MIN	MULTICOLOR INTERIOR FINISHING MINIMUM
	EXHAUST FAN	MIR	MIRROR
S S	EXTERIOR FINISH SYSTEM EXTERIOR INSULATION & FINISH SYSTEM	MISC MLDG	MISCELLANEOUS MOLDING
	EXPANSION JOINT ELEVATION	MM MO	MILLIMETER MASONRY OPENING
AS	ELASTOMERIC	MPS	MANUAL PROJECTION SCREEN
EC EV	ELECTRICAL ELEVATOR	MR MT	MAP RAIL MOUNT
MER PS	EMERGENCY EXPANDED POLYSTYRENE	MTD MTG	MOUNTED MOUNTING
ΥX	EPOXY	MTL	METAL
YYY Q	EPOXY PAINT EQUAL	MTLB MWP	METAL BASE MEMBRANE WATERPROOFING
QUIP T	EQUIPMENT ESTIMATE	NA NIC	NOT APPLICABLE NOT IN CONTRACT
R	EXISTING TO REMAIN	NO.	NUMBER
VC	ELECTRIC WATER COOLER EXISTING	NOM NRC	NOMINAL NOISE REDUCTION COEFFICIENT
(H (P	EXHAUST EXPANSION	NTS OC	NOT TO SCALE ON CENTER
(PC	EXPOSED CONSTRUCTION	OD	OUTSIDE DIAMETER
(PC PT (T	EXPOSED CONSTRUCTION-PAINTED EXTERIOR	OPNG OPP HD	OPENING OPPOSITE HAND
AF	FLUID APPLIED ATHLETIC FLOORING FACE BRICK	OVHD PC	OVERHEAD PRECAST
)	FLOOR DRAIN	PCP	PORTLAND CEMENT PLASTER
С	FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET	PERF PERM	PERFORATED PERIMETER
E	FINISHED FLOOR FINISHED FLOOR ELEVATION	PIP PLAM	POURED IN PLACE PLASTIC LAMINATE
S L	FIBERGLASS	PLAS	PLASTER
GRC H	FIBERGLASS REINFORCED CONCRETE FIRE HYDRANT	PLWD PLYWD	PLASTIC LAMINATE WOOD PLYWOOD
HC	FIRE HOSE CABINET	PNT	PAINT
HVC N _R	FIRE HOSE VALVE CABINET FINISHED FLOOR	PNTD POLY POLYISO	PAINTED POLYETHYLENE POLYISOCYANURATE

	PS PR	PROJECTION SCREEN PAIR
	PREFAB	PREFABRICATED
	PREFIN PREP	Prefinished Prepare/Preparation
	PS	PROJECTOR SCREEN
	PSB PSF	PENCIL SHARPENER BLOCK POUNDS PER SQUARE FOOT
	PSI	POUNDS PER SQUARE INCH
	PT PTL	PRESSURE/PRESERVATIVE TREATED PORCELAIN TILE
	PTLB PTN	PORCELAIN TILE BASE PARTITION
	PTS	PNEUMATIC TUBE SYSTEM
	PVC PVMT	POLYVINYL CHLORIDE PAVEMENT
	PVWC	PERFORATED VINYL WALL COVERING
	QT QTY	QUARRY TILE QUANTITY
	R R/W	RISER RIGHT OF WAY
	RA	RETURN AIR
	RAD RB	RADIUS RUBBER BASE
	RCP	REFLECTED CEILING PLAN
	RD RECP	ROOF DRAIN RECEPTACLE
	REFG	REFRIGERATOR
	REINF REM	REINFORCING RECESSED ENTRY MAT
	RENO RES	RENOVATION RESINOUS FLOORING
	RFG	ROOFING
	RFT RH	RUBBER FLOOR TILE RIGHT HAND
	RL	RAIN LEADER
	RM RO	ROOM ROUGH OPENING
	RSF	RESILIENT SPORTS FLOORING
	RSF-RFT RES	SILIENT SPORTS FLOORING - RUBBER FLOOR TILE RESILIENT STAIR RISER
	RST RT	RESILIENT STAIR TREAD RIGHT
	RTU	ROOFTOP UNIT
	SAB SC-PLK	SOUND ATTENUATION BLANKET SECURITY CEILING PLANK
G	SC-PNL SEC	CURITY CEILING PANEL
	SCH SF	SCHEDULE SQUARE FOOT
	SFRM SGB	SPRAYED FIRE RESISTANT MATERIAL SECURITY GYPSUM BOARD
	SHM	SECURITY HOLLOW METAL
	SHTG SIM	SHEATHING SIMILAR
	SPEC	SPECIFICATION
	SPF SPFCC	SPRAYED POLYURETHANE FOAM SPRAYED POLYURETHANE FOAM CLOSED CELL
	SPR SQ	SPRINKLER SQUARE
	SRD	SECONDARY ROOF DRAIN
	STND SS	STAINED STAINLESS STEEL
	SSURF	SOLID SURFACE
	ST STC	STREET SOUND TRANSMISSION COEFFICIENT
	STD STL	STANDARD STEEL
	STRUCT STR	UCTURAL
	SUSP SV	SUSPENDED SHEET VINYL
	SWM	SECURITY WOVEN MESH
	SY SYM	SQUARE YARD SYMMETRICAL
	T T&G	TREAD TONGUE & GROOVE
	T.O.	TOP OF
	TB TEL	TACKBOARD TELEPHONE
	THHD	THRESHOLD
	THK TOS	THICKNESS TOP OF STRUCTURE
	TOW	TOP OF WALL
	TRT TS	TREATED TACK STRIP
	TV TYP	TELEVISION TYPICAL
	UC	UNDERCUT
	UG UH	UNDERGROUND UNIT HEATER
	UON	UNLESS OTHERWIDE NOTED (INDICATED)
	VAT VCT	VINYL ASBESTOS TILE VINYL COMPOSITION TILE
	VDB	VISUAL DISPLAY BOARD
	VERT VEST	VERTICAL VESTIBULE
	VFCT VR	VINYL FREE COMPOSITION TILE VAPOR RETARDER

VAPOR RETARDER VINYL/RUBBER BASE

VENT THROUGH ROOF

VINYL WALL COVERING

WOOD CEILING PANEL

VINYL TILE

WIDE

WITH

WITHOUT

WOOD

WINDOW

WALL GUARD

WATER HEATER

WATERPROOFING

WORKING POINT

WATER RESISTANT

WOOD SPORTS FLOORING

WELDED WIRE FABRIC

WELDED WIRE MESH

WAINSCOT

WALL TILE

WEIGHT

YARD

WOOD BASE

WATER CLOSET

WOOD PANELING

VRB

VTR

VWC

W/O

WB

WC

WCP

WD

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WG

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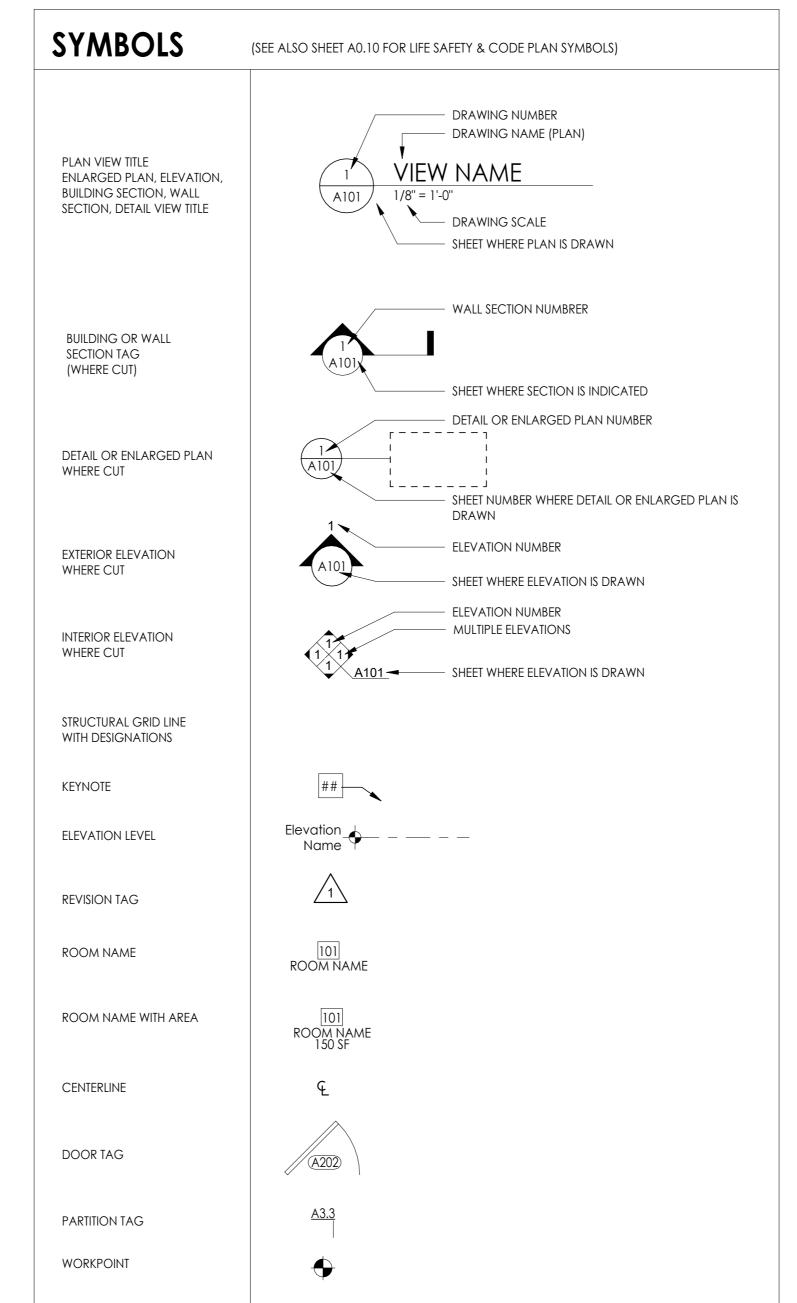
	DRAWING INDEX - COVER SHEET						
Sheet Number	Sheet Name						
PROJECT INFORMATION							
A0.01	COVER						
A0.02	DRAWING INDEX & PROJECT INFORMATION						
ARCHITECTURAL							
A0.10	LIFE SAFETY & CODE PLAN						
A0.30	EXISTING PHOTOS						
A2.01	FLOOR PLANS						
A8.01	BATHROOM PLANS, ELEVATIONS & DETAILS						
A8.02	INTERIOR ELEVATIONS & DETAILS						
A8.03	MILLWORK ELNARGED PLANS, SECTIONS & DETAILS						
A9.03	FINISH SCHEDULE & DETAILS						
PLUMBING							
P0.01	PLUMBING - LEGEND & SCHEDULES						
P1.01	PLUMBING - PARTIAL PLANS, DETAILS, & SPECIFICATIONS						
ELECTRICAL							
E0.01	ELECTRICAL - LEGEND, SCHEDULES & DETAILS						
E1.01	ELECTRICAL - PARTIAL FIRST FLOOR PLANS						

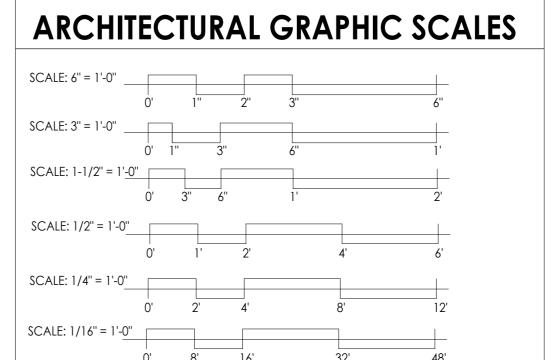
SPOT/CEILING ELEVATION

DIMENSION

•

XX' - XX''





SPECIFICATION NOTES

CONCRETE

- CONCRETE SHALL BE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE (ACI) 301, AND 318.
- CONCRETE SHALL BE NORMAL WEIGHT AND HAVE MINIMUM COMPRESSIVE STRENGTH OF 3,500 PSI AT 28 DAYS UNLESS OTHERWISE NOTED ALL CONCRETE SHALL BE THOROUGHLY CONSOLIDATED AND VIBRATED DURING PLACEMENT AND WORKED AROUND EMBEDDED ITEMS AND INTO
- PLACE CONCRETE ON SOLID UNDISTURBED SOIL OR ENGINEERED FILL WITH MINIMUM BEARING CAPACITY OF 2,000 PSF
- COORDINATE PLACEMENT OF ALL EMBEDDED ITEMS INCLUDING REINFORCING ANCHOR BOLTS DOWELS AND SPECIALTY ITEMS ACCURATELY LACE SECURE ITEMS PRIOR TO PACEMENT OF CONCRETE
- ALL CONCRETE SHALL BE PLACED WITH A SLUMP OF BETWEEN 3-5 INCHES
- FINISH CONCRETE TO BE FLUSH AND SMOOTH WITH ADJACENT SURFACE. PATCH AND REPAIR VAPOR BARRIER BELOW DEMOLISHD CONCRETE. PROVIDE NEW 15 MIL STEGO WRAP VAPOR BARRIER BELOW NEW CONCRETE.
- CUT AND PATCH EXISTING CONCRETE AS REQUIRED FOR THE INSTALLATION OF PLUMBING ANDR EQUIPMENT.

CONCRETE MASONRY

- CONCRETE MASORNRY MATERIALS AND CONSTRUCTION SHALL CONFIRM TO THE AMERICAN CONCRETE INSTITUTE (ACI) 530.
- ALL CONCRETE MASONRY UNITS SHALL BE HOLLOW UNITS ASTM C90 MADE WITH LIGHTWEIGHT AGGREGATE WITH MINIMUM NET STRENGTH OF 1,900 PSI AT 28 DAYS.
- COMPRESSIVE STRENGTH OF MASONRY SHALL BE DETERMIND BY THE UNIT STRENGTH METHOD AS SET FORTH IN ACI 530.1. THE NET AREA COMPRESSIVE STRENGTH OF MASONRY F'M SHALL BE 1,500 PSI AT 28 DAYS.
- MORTAR SHALL BE TYPE M OR S AND SHALL COMPLY WITH ASTM C270 GROUT SHALL COMPLY WITH ASTM C 476 PROPERTIES SPECIFICATION AND SHALL BE PROPORTIONED TO OBTAIN A 28 DAY COPMPRESSIVE STRENGTH
- REINFORING STEEL SHALL COMPLY WITH ASTM A 615, GRADE 60. SHOP FABRICATED REINFORCING BARS WHICH ARE SHOWN TO BE BENT OR
- HOOKED. ALL JOINTS ARE TO BE FILLED SOLID WITH MORTAR.
- ALL MASONRY CONTAINING REINFORCING DOWELS ANCHOR BOLTS EMBEDS OR OTHER STRUCTUREAL ELEMENTS SHALL BE SOLIDLY GROUTED. ALL
- MASONRY CELLS SUPPORTING BEAMS OR COLUMNS SHALL BE GROUTED SOLID FOR A MINIMUM OF 3 COURSES BELOW BEARING POINT. CONSTRUCTION SHALL BE INSPECTED PER THE REQUIREMENTS OF THE LOCAL CODE OFFICAL.

INTERORIOR ARCHITECTURAL MILLWORK

WORK INCLUDES CUSTOM BUILT IN CABINETS AND SHELVING AS INDICATED ON THE DRAWINGS

- COUNTERTOPS
- PROVIDE CUSTOM LAMINATE COUTER TOPS WITH BACK SPLASHES AT ALL COUNTER AND VANITIES
- COORDINATE COLOR WITH FINISH KEY
- CUSTOM CABINETS SHALL INCLUDE LAMINATED WOOD PLYWOOD FRONTS WITH FLUSH DOORS INCLUDING CONCEALED EURO-HINGES. PULLS TO BE SELECTED BY OWNER
- PROVIDE BLOCKING AS REQUIRED IN WALLS TO INSTALL ALL MILWORK AND HANDRAILS
- INTERIOR CONSTRUCTION TO BE 3/4" PLYWOOD COVERED IN WHITE MELAMINE

- PROVIDE JOINT SEALANTS AS REQUIRED BY EXTERIOR OR INTERIOR CONSTRUCTION CONDITION
- ALL INTERIOR SEALANTS SHALL BE LOW-VOC SEALANTS SHALL BE BT PECORA, TEMCO, OR DOW.
- INTERIOR LATEX SEALANT: PECORA AC-20+. COMPLY WITH ASTM C 834, TYPE OP, GRADE NF.
- INTERIOR SINGLE-COMPONENT MILDEW-RESISTANT SILICONE SEALANT: PECORA 898. TYPE, S GRADE NS, CLASS 25, USE, NT, M, G, A, AND O. USE O JOINT SUBSTRATES: GALVANIZED STEEL AND CERAMIC TILE.

FLOORING

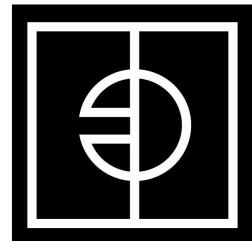
- PROVIDE NEW RESINOUS FLOORING IN BOTH BATHROOMS, HALLWAY, AND TRAINING ROOM
- BASIS OF DESIGN PRODUCT: DUR-A-FLEX DUR-A-QUARTZ SEE FINISH SCHEDULE FOR MORE DETAILS.
- WRAP RESINOUS FLOORING UP THE WALL AROUND PERIMETER OF THE TRAINING ROOM, 6". INSTALL FLOORING FOLLOWING MANUFACTURER'S INSTALLATION GUIDE.
- USE INSTALLATION PRODUCTS RECOMMENDED BY FLOORING MANUFACTURER. TEST CONCRETE SUBSTRATES TO VERIFY AND RECEIVE FLOOR
- MANUFACTURER'S ACCEPTANCE OF COMPLIANCE PRIOR TO PROCEEDING WITH INSTALLATION. PROVIDE NEW TRANSITIONS STRIPS GOING INTO THE TWO BATHROOMS, USE PEMKO COMMERCIAL THRESHOLDS: SADDLE THRESHOLDS 151 3".
- CHOOSE FINISH TO MATCH.

- COMPLY WITH TCA'S HANDBOOK FOR CERAMIC TILE INSTALLATION FOR TCA INSTALLATION METHODS SPECIDFIED IN TILE INSTALLATION SCHEDULES COMPLY WITH ANSI A 108 SERIES SPECIFCATIONS FOR INSTALLION OF CERAMIC TILE
- EXTEND TILE WORK INTO RECESSES AND UNDER OR BEHIND EQUIPEMENT AND FIXTURES TO FORM COMPLETE COVERING WITHOUT INTERRUPTIONS UNLESS OTHERWISE INDICATED TERMINATE WORK NEATLY AT OBSTRUCTIONS EDGES AND CORNERS WITHOUT DISRUPTING PATTERN OR JOINT ALIGNMENTS.
- ACCURATELY FORM INTERSECTIONS AND RETURNS. PERFORM CUTTING AND DRILLING OF TILE WITHOUT MARRING VISIBLE SURFACES. CAREFULLY GRIND CUT EDGES OF TILE ABUTTING TRIM FINISH OR BUILT-IN ITEMS FOR STRAIGHT ALIGNED JOINTS. FIT TILE CLOSELY TO ELECTRICAL OUTLETS PIPING
- AND OTHER PENETRATIONS SO PLATES COLLARS OR COVER OVERLAP TILE PROVIDE ALL TRIM PIECES AND ACCESSORIES REQUIRE TO COMPLTE THE WORK
- UNLESS OTHER WISE NOTED INSTALL ALL TILE WITH 1/16" GROUT JOINTS GROUT SHALL BE LATICRETE SPECTRALOCK PRO COLOR SELECTED FROM MANUFACTURERS FULL RANGE

- DO NOT PROCEED WITH PAINTING UNLESS SUBSTRATES ARE CURED, DRY AND PROPERLY PREPARED.
- PAINT WHEN THE TEMPERATURES ARE BETWEEN 50 AND 95 DEGREES FAHRENHEIT, OR AS RECOMMENDED BY THE PAINT MANUFACTURER. STORE PAINT PRODUCTS IN CONDITIONED AREAS.
- PROTECT PAINTED FINISHES FROM MOISTURE AND ADVERSE WEATHER CONDITIONS
- USE LOW-VOC PAINTS AND COATINGS AT ALL INTERIOR LOCATIONS, VENTILATE ENCLOSED AREAS WHEN PAINTING
- A. 1 COAT OF SHERWIN-WILLIAMS LOXON PRIMER (SW-LX02W0050) 2 COATS SHERWIN-WILLIAMS PRO-INDUSTRIAL PRE-CATALYZED WATERBASED EPOXY SEMI-GLOSS (SW - K46-1150 SERIES)
- HOLLOW METAL FRAMES A. 1 COAT SHERWIN-WILLIAMS PRO INDUSTRIAL PRO-CRYL UNIVERSAL PRIMER (SW-B66-1300 SERIES)
- B. 2 COATS SHERWIN-WILLIAMS PRO-INDUSTRIAL PRE-CATALYZED WATERBASED EPOXY SEMI-GLOSS (SW K46-1150 SERIES) MATCH EXISTING SURROUNDING PAINT COLORS. PAINT SAMPLE MOCKUP OF WALL COLORS FOR REVIEW BY THE OWNER AND ARCHITECT PRIOR TO
- PROCEEDING WITH FINAL COATS. PAINT TO THE OUTSIDE CORNERS OR OTHER LINE IN THE EXISTING CONSTRUCTION SO THAT CHANGE FROM NEW TO OLD FINISH IS NOT VISIBLE.
- VERIFY TYPE OF EXISTING PAINT FINISH AND USE PAINT FINISHES WHICH ARE COMPATIBLE AND RECOMMENDED FOR COVERING EXISTING PAINT MATERIAL
- APPLY PAINT FINISHES FOLLOWING MANUFACTURERS SPECIFICATIONS RECOMMENDATIONS AND AND INSTRUCTIONS PRIME SURFACES AND APPLY
- TWO FINISH COATS MINIMUM. FINAL PAINTED SURFACES SHALL BE SMOOTH AND PROVIDE AN EVEN OPAQUE FINISH REMOVE HARDWARE FIXTURES FURNISHINGS AND OTHER REMOVABLE ELEMENTS FROM WORK AREA PRIOR TO PAINTING REINSTALL REMOVED
- ELEMENTS TO ORIGINAL POSITION CONDITIONS AND OPERATION AFTER PAINTING IS COMPLETE
- PROVIDE OWNER WITH LARGE SCALE PAINT SAMPLE FOR REVIEW PROTECT SURROUNDING AREAS FROM PAINT SPILLS, DRIPS, AND SPRAYS. REMOVE ANY DRIPS OR SPILLS OR REPLACE AFFECTED FINISHES AFTER PAINT WORK IS COMPLETE.

PARTITIONS

- PROVIDE NEW BATHROOM PARTITIONS
- BASIS OF DESIGN: ASI GLOBAL PARTITIONS SOLID PLASTIC (HDPE) CHARCOAL #9237
- INSTALL PARTITIONS FOLLING MANUFACTURER'S INSTALLATION GUIDE INSTALL PARTITION IN OVERHEAD BRACED STYLE
- INSTALL PARTITIONS SECURE TO WALL, PROVIDE BLOCKING AS REQUIRED. INSTALL PARTITIONS PLUMB AND SQUARE. USE HARDWARE BY PARTITION MANUFACTURER.



ENTEROS DESIGN

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> > 804.861.1200 P

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CONSULTANT

Ш $\mathbf{\Omega}$ $\mathbf{\Omega}$ Δ

> WORKING **DRAWINGS**

RC

REVISIONS

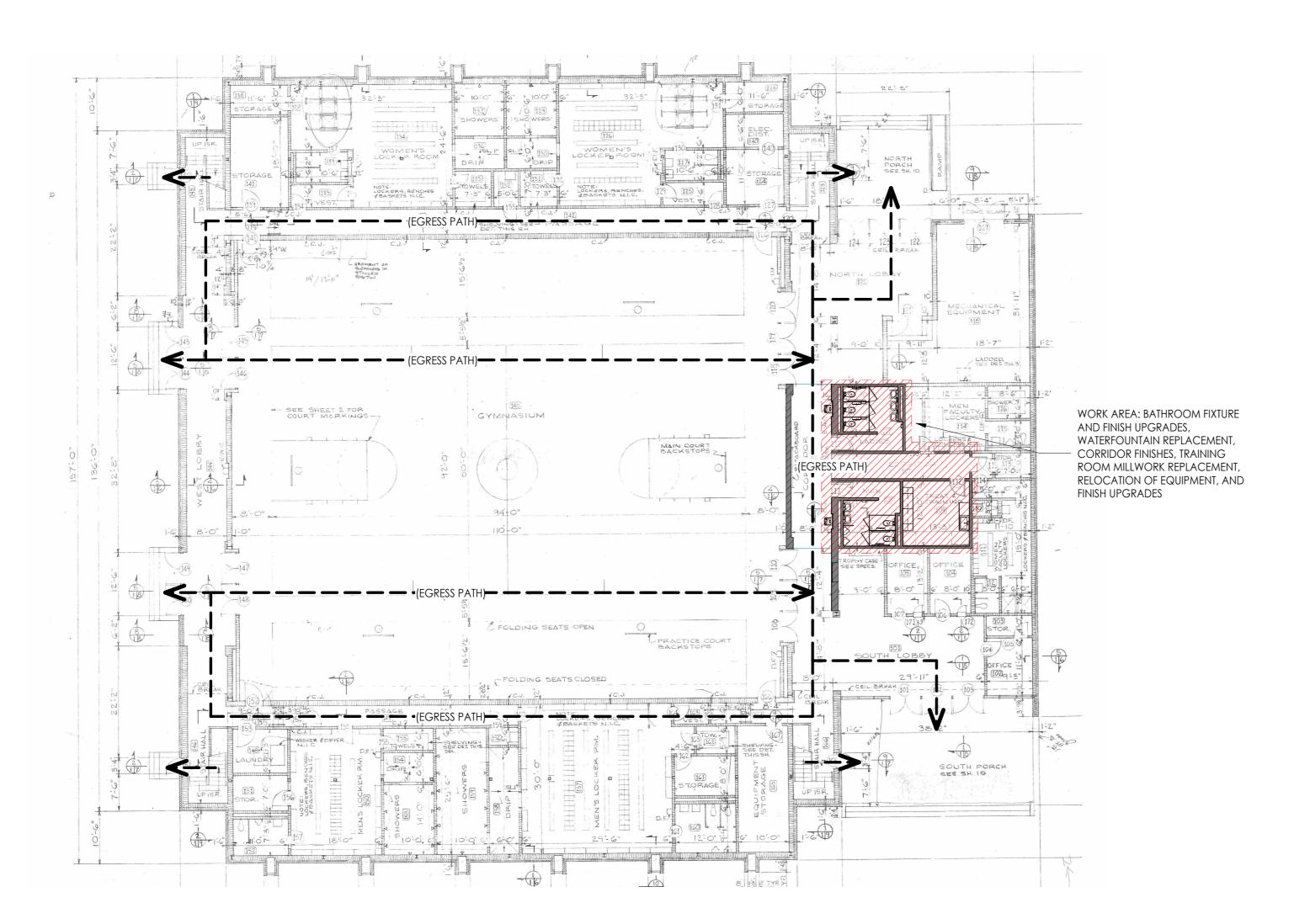
DATE DESCRIPTION

DRAWING INDEX & **PROJECT**

INFORMATION PROJ. NO.: 236007

DATE: 7/21/23 DRAWN BY: STT

*** 07/21/2023



LIFE SAFETY - FIRST FLOOR A0.10 1/16" = 1'-0"

CODE INFORMATION

ALL WORK SHALL CONFORM TO ALL APPLICABLE CODE STANDARDS AND GOVERNING AUTHORITIES INCLUDING BUT NOT LIMITED TO:

BUILDING: 2018 VIRGINIA UNIFORM STATEWIDE BUILDING CODE (VUSBC)

2018 VIRGINIA CONSTRUCTION CODE (VCC)

2018 VIRGINIA EXISTING BUILDING CODE (CHAPTER 6 SECTIONS602 & 603 - LEVEL 2 ALTERATIONS)

MECHANICAL: 2018 VIRGINIA MECHANICAL CODE (VMC)

2018 VIRGINIA PLUMBING CODE PLUMBING: ELECTRICAL: 2017 NATIONAL ELECTRICAL CODE (NFPA 70)

ENERGY: 2018 VIRGINIA ENERGY CONSERVATION CODE (VECC) 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN (ASAD), 09/15/2010 **ACCESSIBILITY**

2022 CONSTRUCTION & PROFESSIONAL SERVICES MANUAL (CPSM)

-REV 2/14/2023 HIGH PERFORMANCE BUILDING ACT WILL NOT APPLY TO THIS PROJECT

BUILDING DATA

A4 NON-SEPARATED MIXED USE USE GROUP:

CONSTRUCTION TYPE: IIB (unprotected non-combustible)

AUTOMATIC SPRINKLER SYSTEM:

FIRE ALARM:

EXISTING HEIGHT: EXISTING HEIGHT 33'-0" +/-, NO CHANGE 33,620 SF +/-, NO CHANGE EXISTING AREA:

PLUMBING FIXTURES (IBC 2902) (IPC 403) (IPC 419.2)

TOTAL OCCUPANTS: EXISTING NO CHANGE **TOTAL FIXTURES:** EXISTING, NO CHANGE

FIRE-RESISTANCE RATING (IBC TABLE 601)

CONSTRUCTION TYPE:

BUILDING ELEMENT: REQ. RATING:

STRUCTURAL FRAME:

BEARING WALLS: INTERIOR:

EXTERIOR:

FLOOR CONSTRUCTION:

ROOF CONSTRUCTION:

VERTICAL EXIT ENCLOSURES:

SHAFT ENCLOSURES:

FIREWALL: 2 HR

NOTES:

BUILDING OCCUPANT LOAD (IBC TABLE 1004.1.2)

BUILDING TOTAL OCCUPANTS: 1,153 , NO CHANGE

EGRESS REQUIREMENTS (IBC CHAPTER 10)

PROVIDED 1ST FLOOR

MAX EXIT ACCESS TRAVEL DISTANCE: 200 FT

MAX COMMON PATH: 75 FT

MAX DEAD END: 20 FT

0.2"/OCC. (DOORS, RAMPS, CORRIDORS) EGRESS WIDTH: (IBC 1005.3)

INTERIOR FINISHES (IBC TABLE 803.11)

OCCUPANCY: A3 FINISH CLASS:

EXITS & PASSAGEWAY:

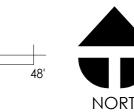
EXIT ACCESS CORRIDOR:

ROOMS AND ENCLOSED SPACES: C

CLASS A: FLAME SPREAD 0-25: SMOKE DEVELOPED 0-450

CLASS B: FLAME SPREAD 26-75: SMOKE DEVELOPED 0-450 CLASS C: FLAME SPREAD 76-200: SMOKE DEVELOPED 0-450





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CONSULTANT

EG

WORKING DRAWINGS

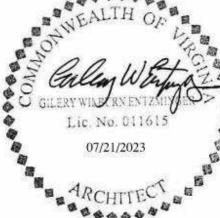
RICHARD

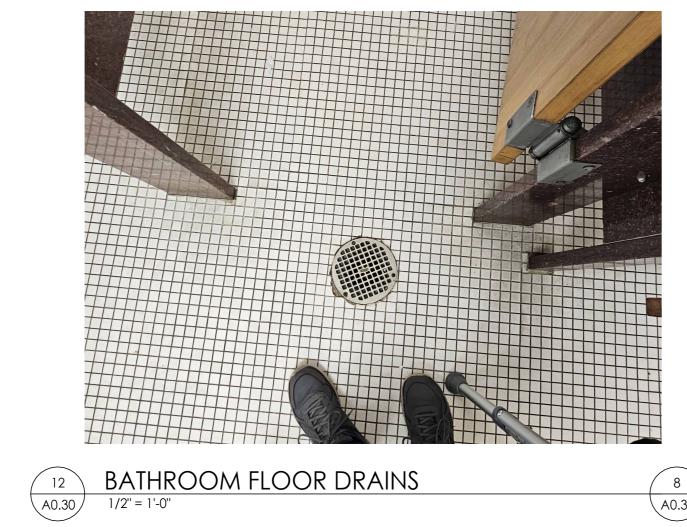
REVISIONS

DATE DESCRIPTION

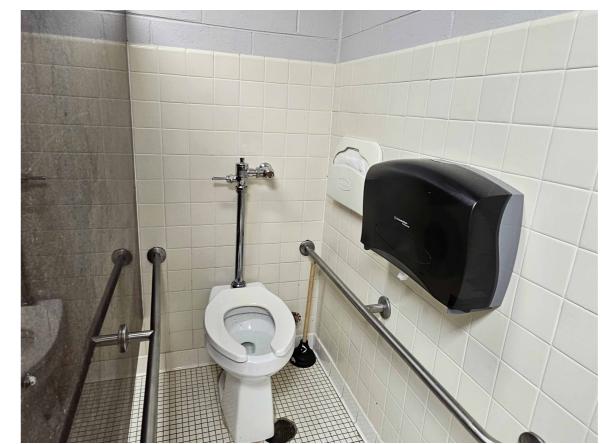
LIFE SAFETY & CODE PLAN

PROJ. NO.: 236007 DATE: 7/21/23 DRAWN BY: STT





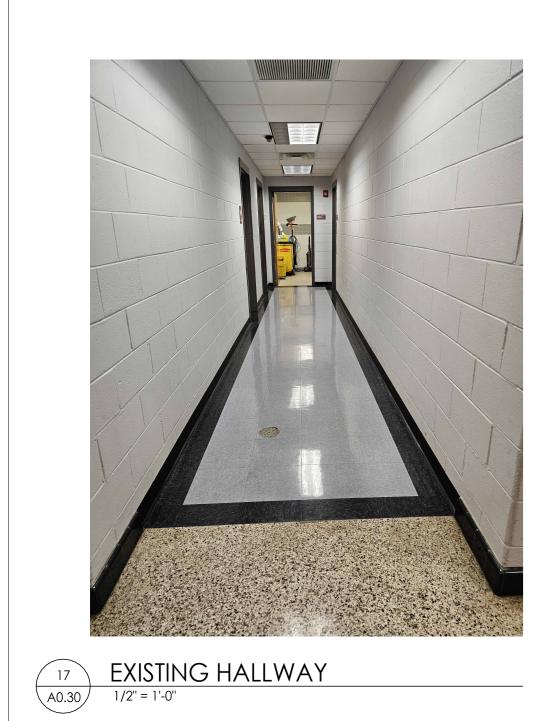






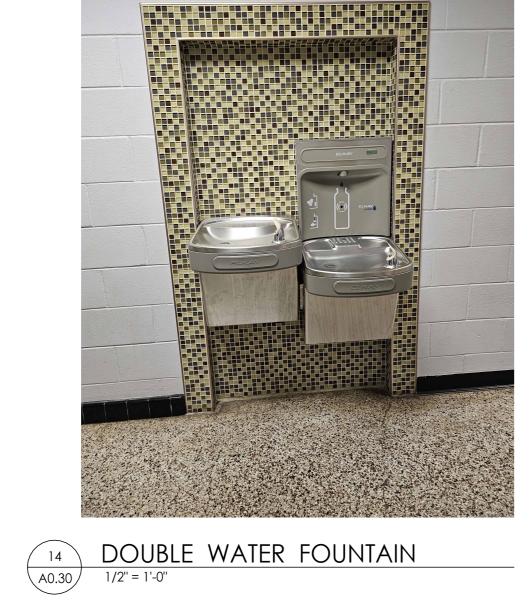


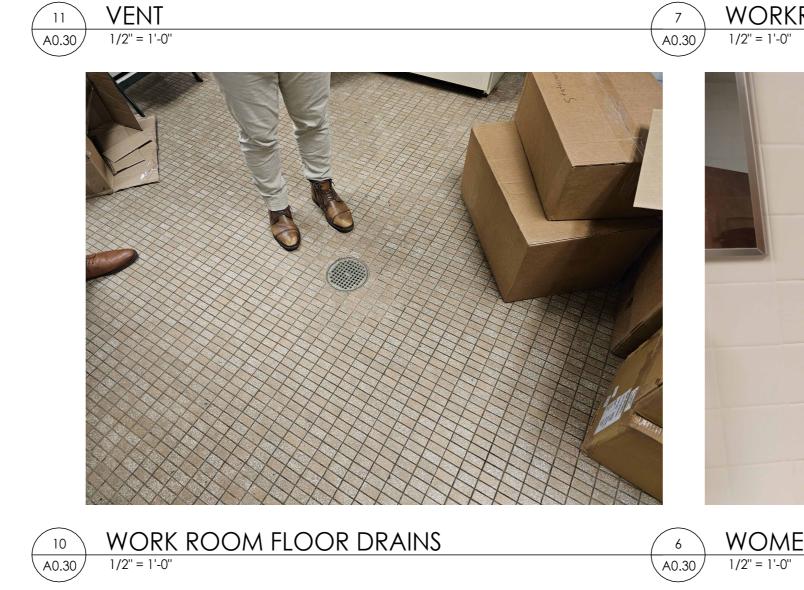




WOMEN'S STALL

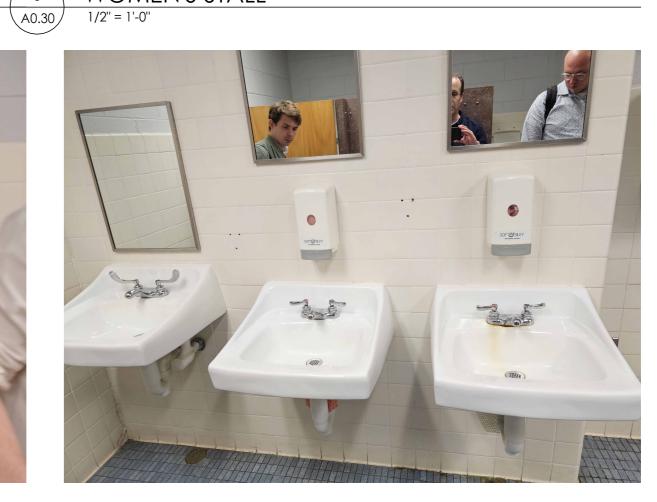








WORKROOM FRIDGES

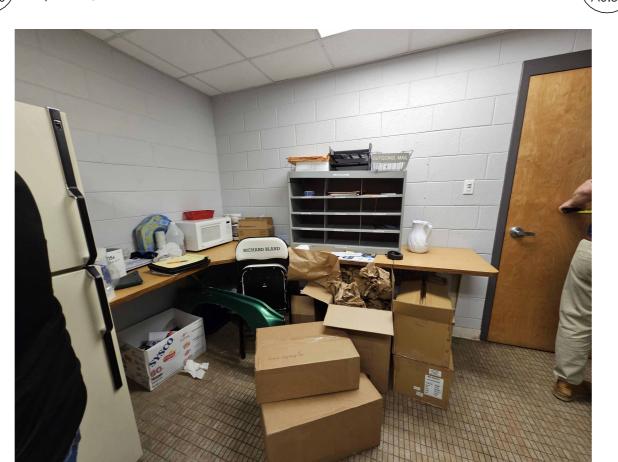


WOMEN'S STALL

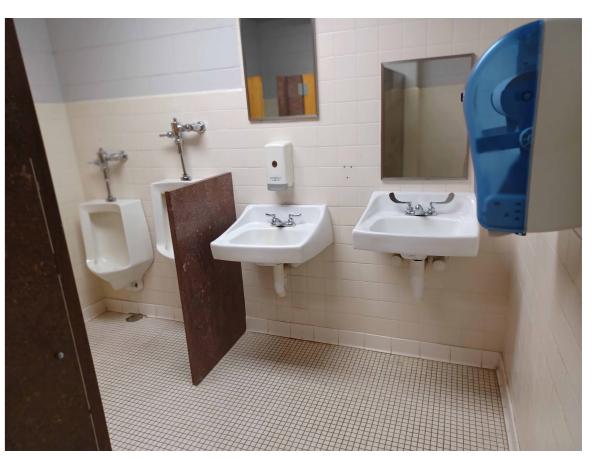












9 WORK AREA A0.30 1/2" = 1'-0" 5 URINAL'S A0.30 1/2" = 1'-0" 1 MEN'S SINKS 1/2" = 1'-0"



A0.30 1/2" = 1'-0"

13 WATER FOUNTAIN
A0.30 1/2" = 1'-0"



A0.30

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CONSULTANT

11301 JOHNSON RD, SOUTH PRINCE GEORGE, VA

WORKING DRAWINGS

REVISIONS # DATE DESCRIPTION

EXISTING PHOTOS

PROJ. NO.: 236007 DATE: 7/21/23 DRAWN BY: STT

DEMOLITION GENERAL NOTES

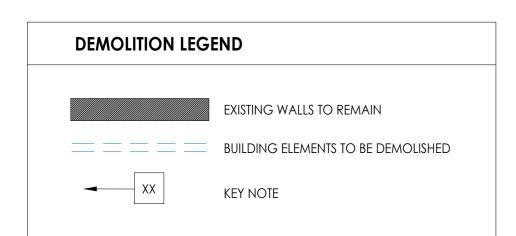
- THESE DRAWINGS ARE BASED ON HISTORICAL DRAWINGS AND LIMITED FIELD INVESTIGATIONS OF THE EXISTING BUILDING. CONTRACTOR SHALL VERITY ALL CONDITIONS PRIOR TO CONSTRUCTION OR FABRICATION. MODIFICATIONS SHALL BE MADE ONLY AFTER APPROVAL BY ARCHITECT.
- ALL DIMENSIONS ARE NOMINAL. FIELD VERIFY ALL DIMENSIONS. NOTIFY THE ARCHITECT IF EXISTING CONDITIONS DEVIATE FROM THOSE SHOWN ON THE DRAWINGS, PRIOR TO EXECUTING THE WORK.
- PROTECT ALL EXISTING CONSTRUCTION TO REMAIN. IF EXISTING CONSTRUCTION TO REMAIN IS DAMAGED DURING DEMOLITION THEN THE CONTRACTOR SHALL REPAIR OR REPLACE TO MATCH THE ORIGINAL
- MAINTAIN EXISTING BUILDING IN A SECURE AND WEATHERTIGHT CONDITION AT ALL TIMES. BOARD UP AND PROVIDE TEMPORARY OPENING PROTECTION AS REQUIRED.
- PRIOR TO REMOVAL OR MODIFICATION OF WALLS OR OTHER POTENTIALLY LOAD BEARING ELEMENTS, THE ACTUAL SIZE AND LOCATION OF STRUCTURAL COMPONENTS AND LOAD BEARING CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR BY MEANS OF SELECTIVE DEMOLITION. THE CONTRACTOR SHALL NOTIFY THE A/E OF ANY UNUSUAL OR HAZARDOUS CONCEALED CONDITIONS.
- PROVIDE ALL TEMPORARY BRACING AND SHORING NECESSARY TO SAFELY SUPPORT ALL LOADS WHILE
- MAKING MODIFICATIONS REQUIRED BY THE WORK.
- REMOVE EXISTING CONSTRUCTION WHERE SHOWN AS DASHED LINES. MAINTAIN FIRE EXTINGUISHING EQUIPMENT AT ALL TIMES.
- DO NOT USE TOOLS OR EQUIPMENT WHICH COULD IGNITE COMBUSTIBLE CONSTRUCTION.
- REFER TO ALL DRAWING AND SPECIFICATIONS AS THEY REGARD TO DEMOLITION, INCLUDING BUT NOT LIMITED TO, STRUCTURAL, PLUMBING, MECHANICAL, ELECTRICAL, & ARCHITECTURAL.
- REMOVE AND TERMINATE ABANDONED ELECTRICAL, PLUMBING, MECHANICAL, OR UTILITY SYSTEMS. TERMINATE CONCEALED INACCESIBLE SYSTEMS AS REQUIRED BY CODE.
- REMOVE ALL FINISHES AND SUBSTRATES AS REQUIRED FOR THE INSTALLATION OF NEW FINISHES. PREPARE SUBSTRATES FOR NEW FINISHES AS RECOMMENDED BY THE FINISH MANUFACTURER. WHERE NEW MATERIAL OR FINISHES TIE INTO EXISTING, OR WHERE PATCHING IS REQUIRED, PATCH SURFACES AND REPAIR TO
- CREATE SEAMLESS, SMOOTH, AND UNNOTICIABLE TRANSITIONS BETWEEN EXSTING AND NEW MATERIALS. REMOVE CONCRETE AS REQUIRED FOR INSTALLATION OF NEW PLUMBING AND TO PROVIDE DRAINAGE TO
- WHERE CEILINGS ARE TO BE DEMOLISHED REMOVE ALL LIGHT FIXTURES & DEVICES. REF. ELCTRICAL, PLUMBING, SPRINKLER, AND MECHANICAL FOR ADDITIONAL INFORMATION REGARDING MODIFICATIONS FOR NEW WORK.

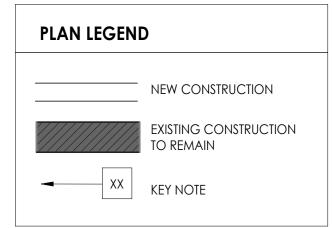
NEW FLOOR DRAINS WHERE INDICATED. PATCH AND REPAIR CONCRETE AFTER INSTALLATION AS REQUIRED.

- MAINTAIN EXISTING UTILITIES INDICATED TO REMAIN IN SERVICE.
- IF SUSPECTED HAZARDOUS MATERIALS ARE ENCOUNTERED, DO NOT DISTURB; NOTIFY THE OWNER &
- ARCHITECT IMMEDIATELY FOR REVIEW & ADDITIONAL DIRECTION. COMPLY WITH DISPOSAL REGULATIONS OF ALL AUTHORITIES HAVING JURISDICTION. THE OWNER HAS FIRST RIGHT OF REFUSAL FOR ALL DEMOLISHED MATERIALS.
- IN AREAS OF WORK, REMOVE AND SALVAGE ALL INTERIOR AND EXTERIOR PLAQUES AND SIGNAGE, WALL MOUNTED TV'S, SECURITY CAMERAS, EXTERIOR LIGHTS, AND SPEAKERS. PROVIDE TO OWNER FOR STORAGE AND/OR REUSE. REINSTALL WHERE NOTED.
- IN ALL AREAS THAT SHOW NEW WORK, AND NEW FLOOR FINISHES, DEMO EXISTING FLOOR TO CONCRETE SLAB AND PREP SLAB AS REQUIRED BY THE NEW FINISH MANUFACTURERS INSTALLATION INSTRUCTIONS AND WARRANTY REQUIREMENT.

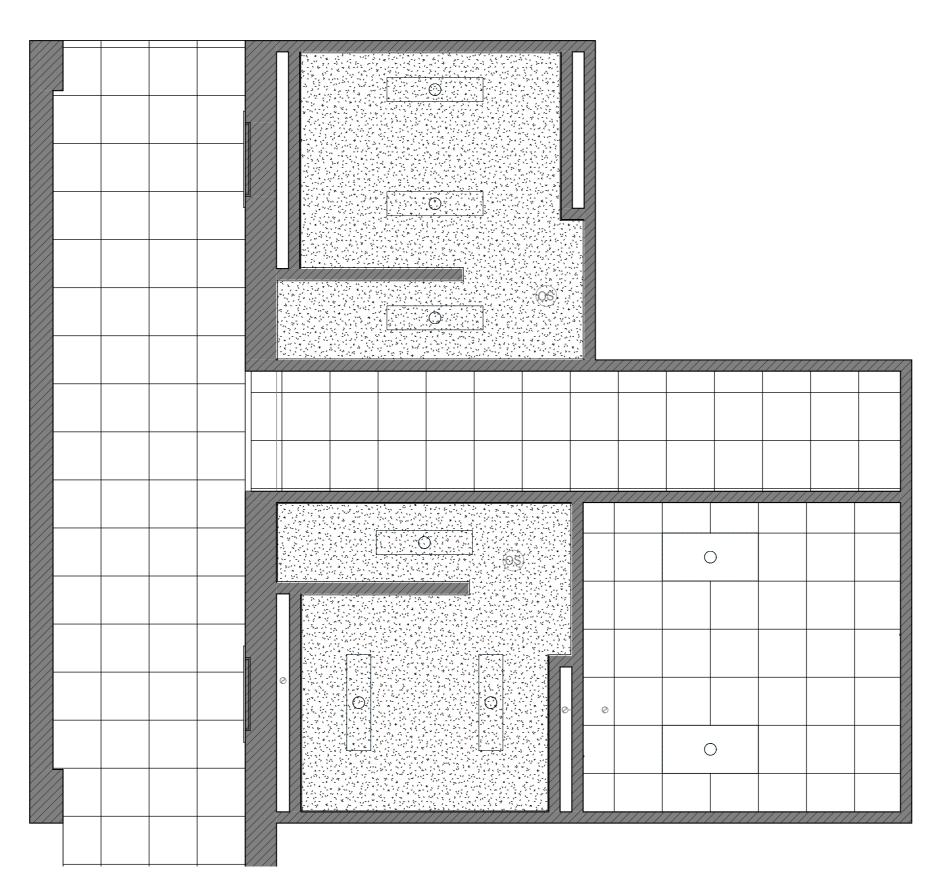
DEMOLITION KEY NOTES

- DEMOLISH EXISTING WALL TILE AND SETTING MATERIALS, PATCH AND REPAIR EXISTING CMU WALL TO RECEIVE NEW FINISH.
- DEMOLISH EXISTING FLOOR TILE INSTALLATION DOWN TO CONCRETE. REMOVING EXISTING THICKSET SETTING MORTAR. PROVIDE NEW CONCRETE TOPPING TO SLOPE INSTALLATION TO DRAINS. PROVIDE TOPPING COMPATIBLE WITH FLOOR FINISH AND PREPARE SUBSTRATE AS REQUIRED BY FLOOR FINISH MANUFACTURER.
- PATCH OR REPAIR CEILINGS AS REQUIRED FOR INSTALLATION OF NEW LIGHT FIXTURES AND CEILING
- DEVICES AS SHOWN ON THE ELECTRICAL DRAWINGS.
- DEMOLISH EXISTING TOILET PARTITIONS AND ACCESSORIES. DEMOLISH EXISTING PLUMBING FIXTURES AND PREPARE ROUGH-IN FOR THE INSTALLATION OF NEW FIXTURES PER THE PLUMBING DRAWINGS.
- DEMOLISH EXISTING VCT TILE INSTALLATION DOWN TO CONCRETE. REMOVING EXISTING SETTING MATERAL
- AND SHOT BLAST EXISTING CONCRETE PER FLOORING FINISH MANUFACTURER'S GUIDELINES.
- SALVAGE AND RELOCATE EXISTING ICE MAKER. SALVAGE AND RELOCATE ONE EXISTING REFRIGERATOR. DEMOLISH OTHER REFRIGERATOR AS DIRECTED BY
- OWNER. CONFIRM WITH OWNER WHICH REFRIGERATORS WILL BE RETAINED OR DEMOLISHED.
 DEMOLISH EXISTING MILLWORK. PATCH HOLES IN WALLS TO PRODUCE SMOOTH SURFACE FOR NEW WALL





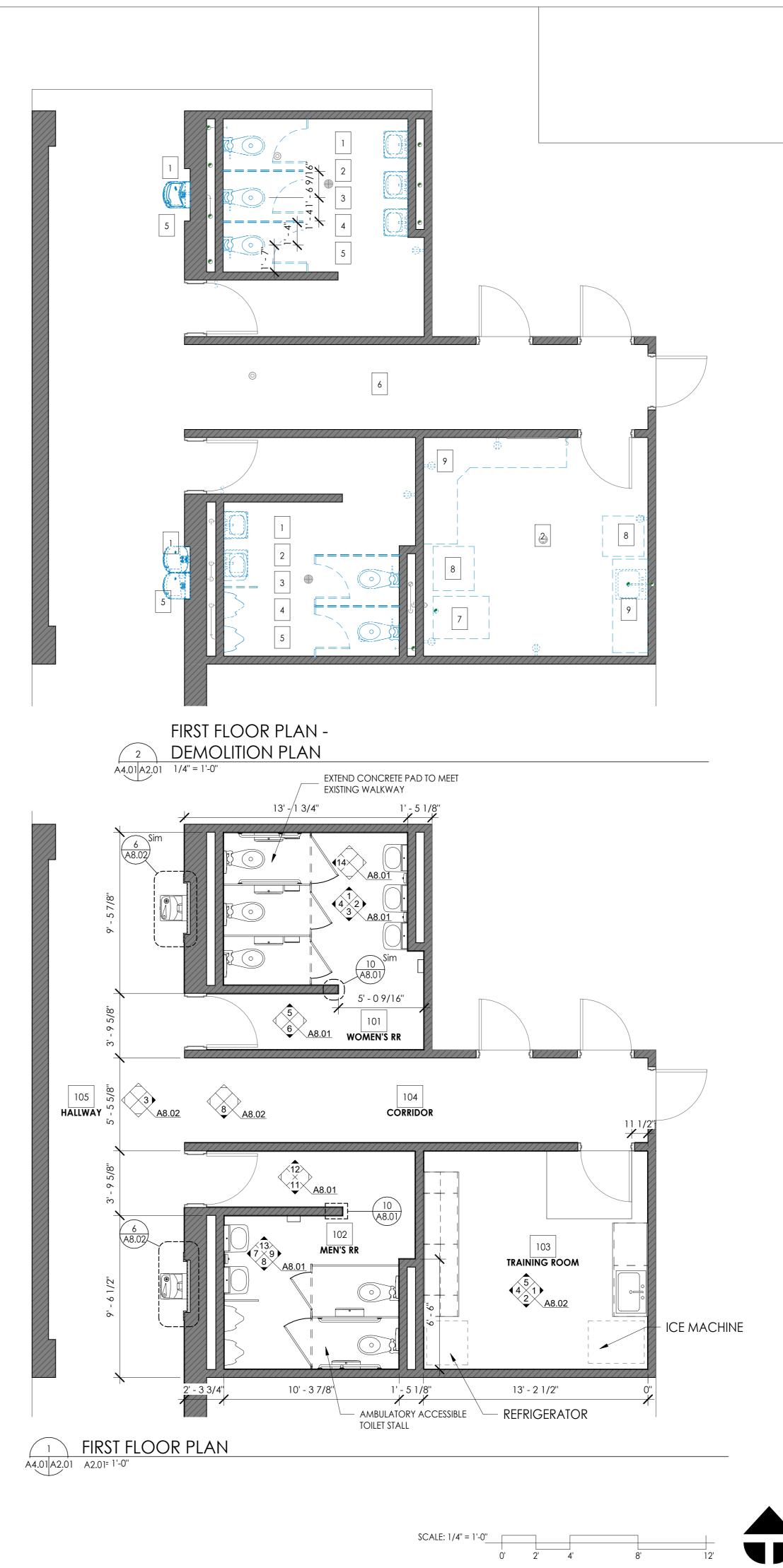


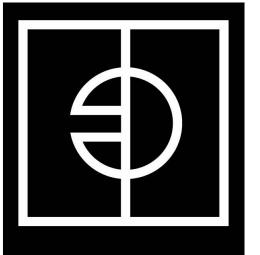


REFLECTED CEILING



A4.01 A2.01 1/4" = 1'-0"





ENTEROS DESIGN

804.861.1200 P

7 NORTH 25TH STREET

RICHMOND, VA 23223

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CONSULTANT

11301 JOHNSON RD, SOUTH PRINCE GEORGE, VA

RICHARD WORKING

DRAWINGS

REVISIONS # DATE DESCRIPTION

FLOOR PLANS

PROJ. NO.: 236007

DATE: 7/21/23 DRAWN BY: STT

A2.01



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> RICHMOND, VA 23223 804.861.1200 P

7 NORTH 25TH STREET

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CONSULTANT

BLAND CO BATHROO 11301 JOHNSON RD, SOUTH PRINCE GEORGE, VA BL, RICHARD GYM

WORKING

DRAWINGS **REVISIONS**

DATE DESCRIPTION

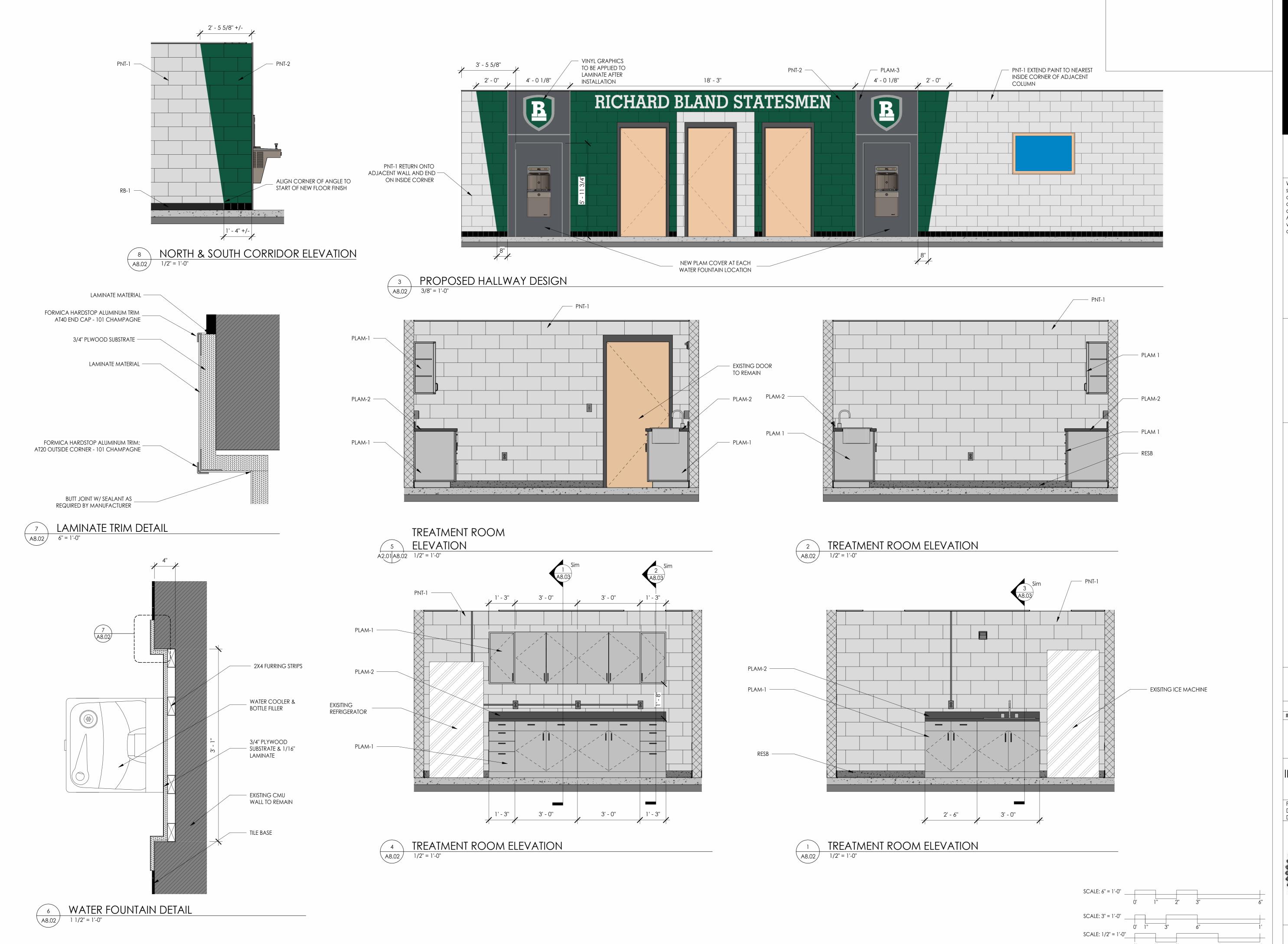
BATHROOM PLANS, **ELEVATIONS &**

DETAILS PROJ. NO.: 236007

DATE: 7/21/23 DRAWN BY: STT

ARCHITECT .

A8.01



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CONSULTANT

RICHARD BLAND COLLEGE
GYM BATHROOM

11301 JOHNSON RD,
SOUTH PRINCE GEORGE, VA 23805

WORKING DRAWINGS

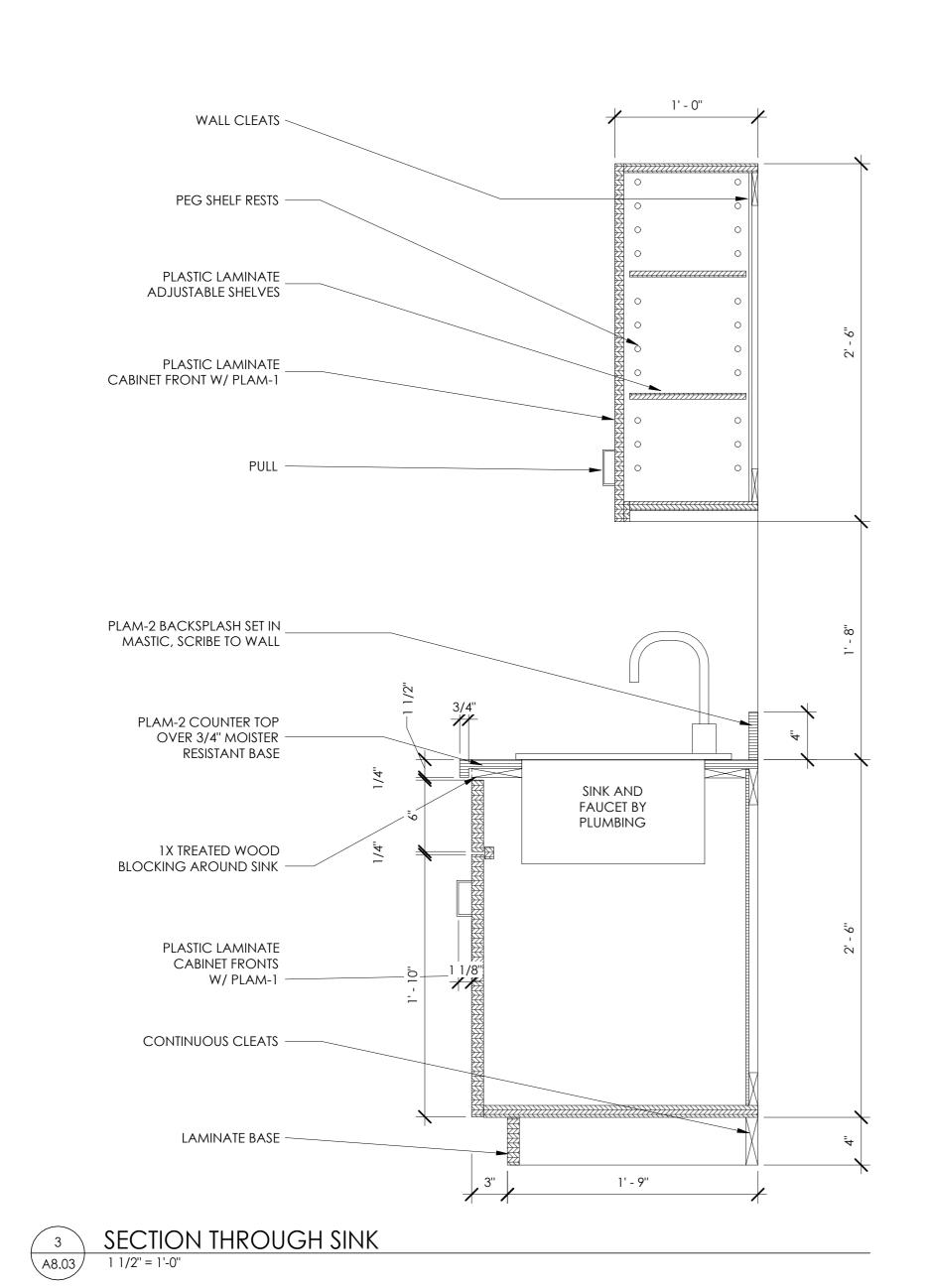
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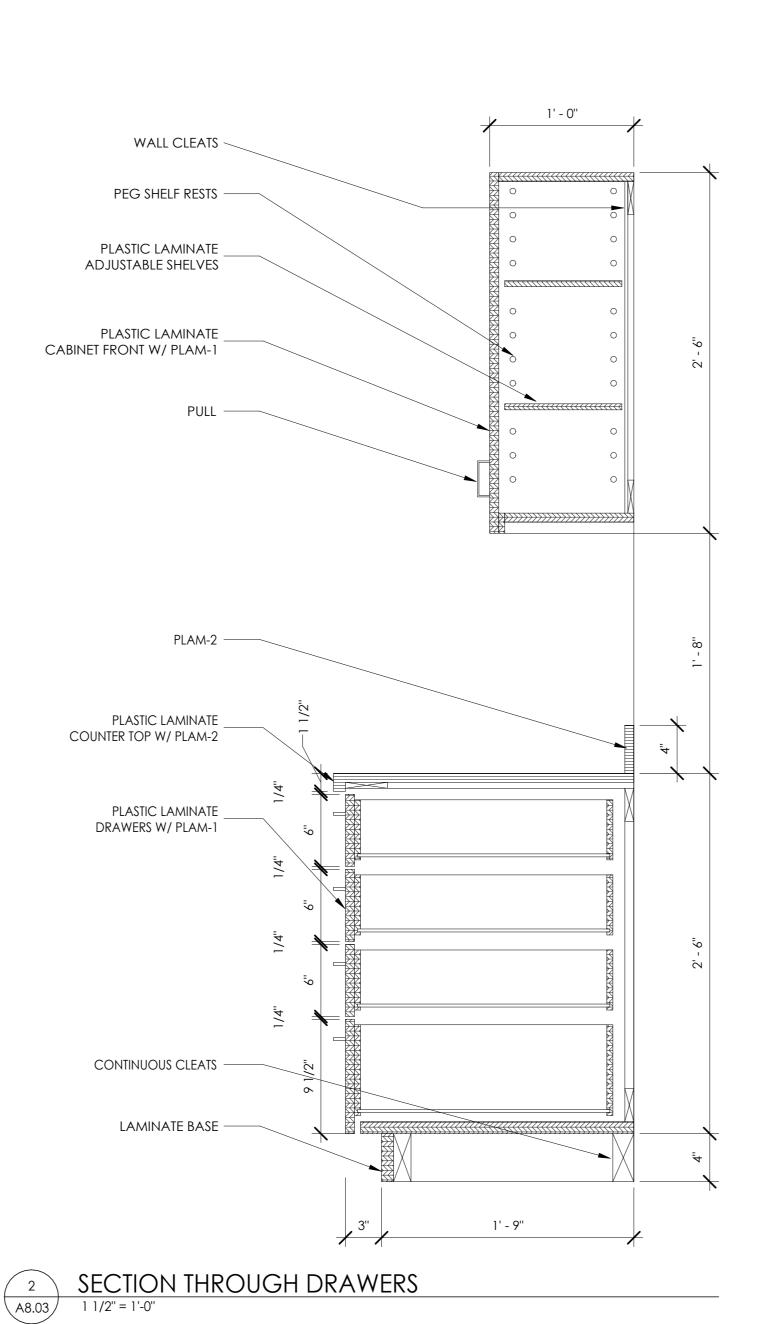
INTERIOR ELEVATIONS & DETAILS

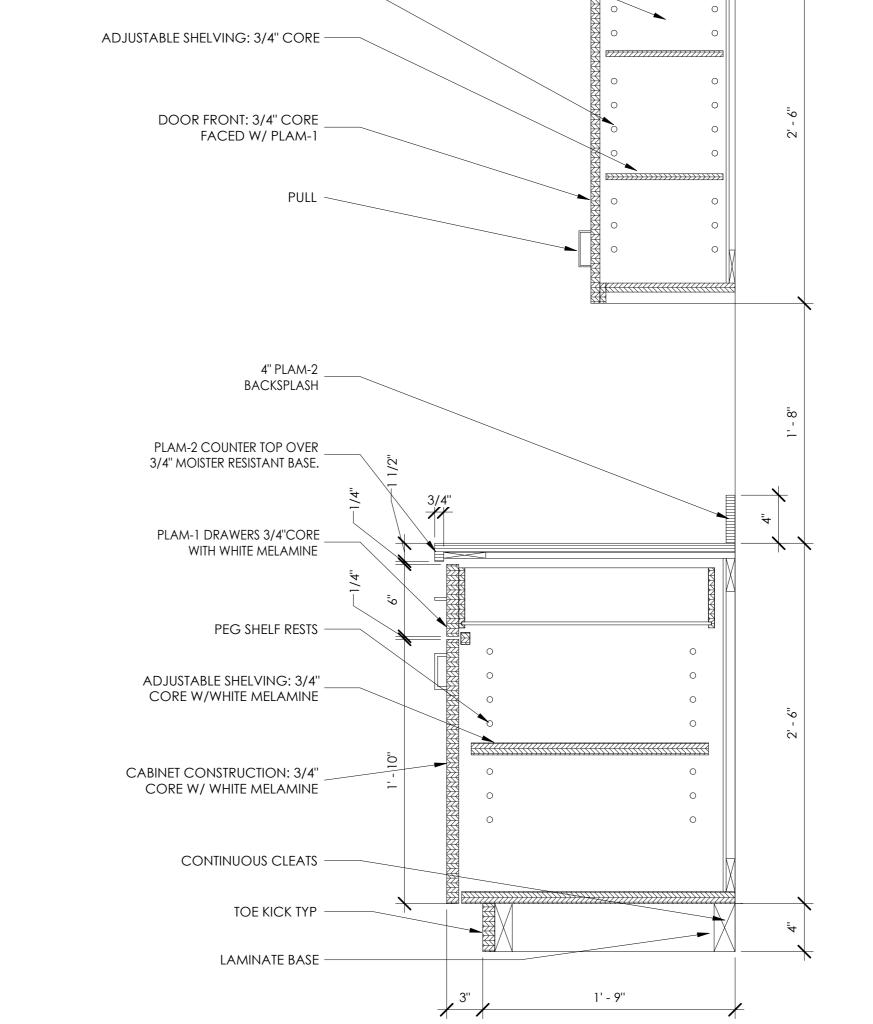
PROJ. NO.: 236007
DATE: 7/21/23
DRAWN BY: STT

Constant of the constant of the

A8.02







1' - 0"



SECTION THROUGH CABINET W/ DRAWERS

1 1/2" = 1'-0"

WALL CLEATS -

PEG SHELF RESTS -

CABINET CONSTRUCTION: 3/4" CORE -



7 NORTH 25TH STREET RICHMOND, VA 23223

DESIGN

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CONSULTANT

BLAND COLLEGE
A BATHROOM 11301 JOHNSON RD, SOUTH PRINCE GEORGE, VA RICHARD E GYM

WORKING DRAWINGS

REVISIONS # DATE DESCRIPTION

MILLWORK

ELNARGED PLANS, SECTIONS & DETAILS

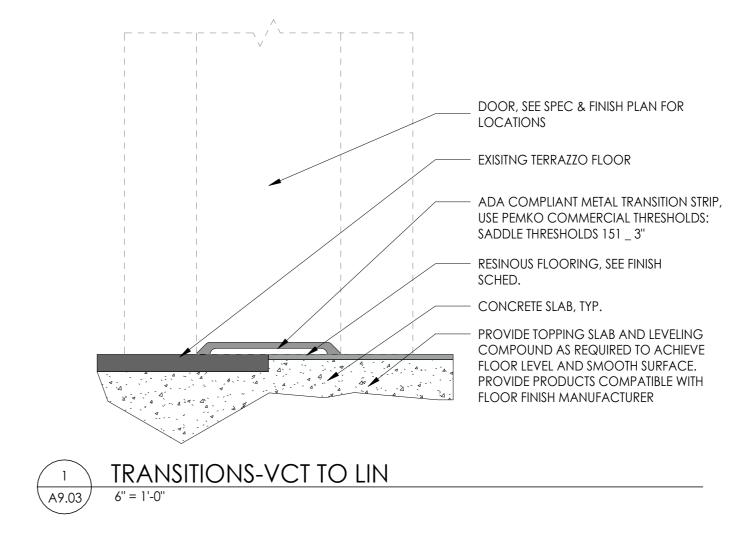
PROJ. NO.: 236007 DATE: 7/21/23 DRAWN BY: STT

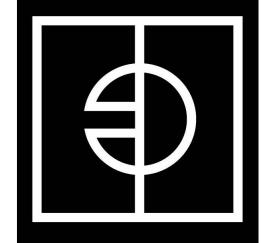


A8.03

				FINISH SCHEDULE				
			V	VALL FINISH				
NUMBER	NAME	NORTH	EAST	SOUTH	WEST	FLOOR FINISH	BASE FINISH	CEILING FINISH
		·	·			·		
01	WOMEN'S RR	WT-1/WT-2/WT-4	WT-1/WT-3	WT-1/WT-4	WT-1/WT-3	RESF	-	PNT-3
02	MEN'S RR	WT-1/WT-4	WT-1/WT-2	WT-1/WT-2/WT-4	WT-1/WT-3	RESF	-	PNT-3
03	TRAINING ROOM	PNT-1	PNT-1	PNT-1	PNT-1	RESF	RESB	EXISTING - REPLACE DAMAGED
04	CORRIDOR	PNT-1/PNT-2	-	PNT-1/PNT-2	-	RESF	RB-1/EXISTING	EXISTING - REPLACE DAMAGED
05	HALLWAY		PNT-1/PNT-2/PLAM-3			EXISTING	EXISITNG	

FINISH KEY									
FINISH KEY	DESCRIPTION	MANUFACTURER	PRODUCT LINE/NO.	COLOR NAME/NO.	SIZE (NOMINAL)	COMMENTS			
WALL FINISHES		<u>'</u>			<u>'</u>	·			
PNT-1	PAINT-1 TYPICAL WALL PAINT					MATCH EXISTING TYPICAL CMU COLOR			
PNT-2	PAINT-2 ACCENT PAINT		CUSTOM	COLOR TO MATCH: PANTONE 343		CUSTOM COLOR MATCH PANTONE 343 GREEN			
PNT-3	PAINT-3 CEILING PAINT			MATCH EXISITNG					
WT-1	WALL TILE-1	BEST TILE	BAMBUSA	CREMA	12" x 24"	INSTALL WALL TILE PER INTERIOR ELEVATIONS			
WT-2	WALL TILE-2	BEST TILE	TAPESTRY	VISION 005G	12" x 36"	INSTALL WALL TILE PER INTERIOR ELEVATIONS			
WT-3	WALL TILE-3	BEST TILE	TAPESTRY	VISION 0010	4" x 16"	INSTALL WALL TILE PER INTERIOR ELEVATIONS			
WT-4	WALL TILE -4	BEST TILE	BAMBUSA	CREMA	2.5" x 24"	INSTALL WALL TILE PER INTERIOR ELEVATIONS			
BASE FINISHES									
RESB	RESINOUS INTERGRATED BASE	DUR-A-FLEX	DUR-A-QUARTZ	Q11-23		(2) GROUT COATS (20 MILS TOTAL) ARMOUR TOP GLOSS			
RB-1	RUBBER BASE 1	JOHNSONITE	TRADITIONAL VINYL	40 BLACK	4"				
FLOOR FINISHES									
RESF	RESINOUS FLOORING	DUR-A-FLEX	DUR-A-QUARTZ	Q11-23		(2) GROUT COATS (20 MILS TOTAL) ARMOUR TOP GLOSS			
MILLWORK									
PLAM-1	PLASTIC LAMINATE	WILSON ART		ASTRO STRANDZ					
PLAM-2	PLASTIC LAMINATE PLASTIC LAMINATE	WILSON ART	-	GRAPHITE					
PLAM-3	PLASTIC LAMINATE PLASTIC LAMINATE	FORMICA	HARD STOP	STORM					





ENTEROS DESIGN

RICHMOND, VA 23223

7 NORTH 25TH STREET

804.861.1200 P

Written dimensions on these drawings shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job. The Architect must be notified of any variations from the dimensions and conditions shown on these drawings.

CONSULTANT

RICHARD BLAND COLLEG
GYM BATHROOM

11301 JOHNSON RD,
SOUTH PRINCE GEORGE, VA 23805

WORKING DRAWINGS

REVISIONS
DATE DESCRIPTION

FINISH SCHEDULE & DETAILS

PROJ. NO.: 236007 DATE: 7/21/23 DRAWN BY: STT

DRAWN BY: STT

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A9.03

PLUN	BING FIX	TURE SCHEDULE									
								BASIS OF	DESIGN		
MARK		DESCRIPTION	WASTE	VENT	C.W.	H.W.	FIXTURE	MANUFACTURER	MODEL NUMBER	NOTES	
FD-1		CI BODY, ADJUSTABLE STRAINER HEAD, 7" DIAMETER POLISHED NICKEL BRONZE TYPE 'F37' STRAINER, EXTENDED RIM, ASME A112.6.3	2" OR 3"	1 1/2"	-	-	FLOOR DRAIN	JAY R. SMITH	2005Y-B-NB	-	
HB-1	HOSE BIBB	NON-FREEZE USE, BRASS WITH CHROME FINISH, BACKFLOW PREVENTED, ASSE 1052 APPROVED, MALE HOSE THREAD, WHEEL HANDLE, WITH RECESSED WALL BOX	-	-	3/4"	-	HOSE BIBB	WOODFORD	MODEL B26	6	
EWC-1		RIC REFRIGERATED COOLER, WALL MOUNTED, HEAVY DUTY VANDAL RESISTANT, FILTERED, SINGLE STATION W/ FRONT BUTTON DOLER - ACTIVATION, AND BOTTLE FILLING STATION, TAILPIECE AND P-TRAP, 1/2" STOP, 3/8" SUPPLY, ASME A112.19.3, ADA COMPLIANT, 8 LEVEL GPH OF 50 °F WATER AT 90 °F AMBIENT AND 80 °F INLET WATER TEMPERATURE. BOTTLE FILLER SHALL HAVE A MINIMUM 1.0 GPM				_	ELECTRIC WATER COOLER	ELKAY	LVRCHD8S	1	
		FLOW ACTIVATED BY ELECTRONIC SENSOR, 20 SECOND SHUT-OFF TIMER AND BOTTLE COUNTER.					BOTTLE FILLER	ELKAY	LZWSR		
LAV-1	LAVATORY WALL	21"x18"x5" DEEP, RECTANGULAR WITH D-BASIN, VITREOUS CHINA, WALL MOUNT WITH HANGER BRACKET, GRID DRAIN, 1 1/4" TAILPIECE AND P-TRAP, 1/2" STOPS AND SUPPLIES, ASME A112.19.2. PROVIDE DECK MOUNTED 4" CENTERSET FAUCET, 0.5 GPM,	1 1/4" 1 1/2"	1 1/4" 1 1/2"	//" 1 1/2" 1/	1/2"	1/2"	LAVATORY	тото	LT307.4	1, 2, 7
LAV-1	MOUNT	BELOW DECK MIXING VALVE, INFRARED SENSOR, BATTERY POWERED, MULTI-LAMINAR SPRAY, CHROME FINISH WITH GRID STRAINER DRAIN. PROVIDE WITH TMV-1. ASME A112.18.1.				.,,_	FAUCET	SLOAN	EBF-650-8-BAT-BDT-CP-0.5 GPM-MLM-IR-FCT	1, 2, 1	
LAV-2	LAVATORY WALL	21"x18"x5" DEEP, RECTANGULAR WITH D-BASIN, VITREOUS CHINA, WALL MOUNT WITH HANGER BRACKET, GRID DRAIN, 1 1/4" TAILPIECE AND P-TRAP, 1/2" STOPS AND SUPPLIES, ASME A112.19.2. PROVIDE DECK MOUNTED 4" CENTERSET FAUCET, 0.5 GPM, BELOW DECK MIXING VALVE, INFRARED SENSOR, BATTERY POWERED, MULTI-LAMINAR SPRAY, CHROME FINISH WITH GRID STRAINER DRAIN. PROVIDE WITH TMV-1. ASME A112.18.1.	1 1/4" 1 1/	1/4" 1 1/2"	1/2"	1/2"	LAVATORY	тото	LT307.4	1, 2, 7	
LAV-2	MOUNT		1 1/4		1/2	1/2	FAUCET	SLOAN	EBF-650-8-BAT-BDT-CP-0.5 GPM-MLM-IR-FCT	1, 2, 7	
		31"x22"x6" DEEP, SINGLE BOWL DROP-IN, 18 GAUGE TYPE 304 STAINLESS STEEL, LUSTROUS SATIN FINISH, 4-HOLE, REAR CENTER 3 1/2" DRAIN, 1 1/2" TAILPIECE AND P-TRAP, 1/2" STOPS AND SUPPLIES, ASME A112.19.3. PROVIDE DECK MOUNTED 8" CENTERSET CONCEALED FAUCET, 1.5 GPM, MANUAL LEVER HANDLES, SWING ARC SPOUT, CHROME FINISH, ASME A112.18.1. PROVIDE DECK MOUNTED BOT FILLED FALICET, DOUBLE SWING ARM, 2.5 GPM, CHROME FINISH	1 1/2" 1	1 1/2"			SINK	ELKAY	LRAD312260		
S-1	SINK COUNTER MOUNT				1/2"	1/2"	FAUCET	ELKAY	LKD2439BHC	1, 2	
		MOUNTED POT-FILLER FAUCET, DOUBLE SWING ARM, 2.5 GPM, CHROME FINISH.					POT FILLER	HANSGROHE	04060000		
UR-1	URINAL WALL	WALL MOUNTED, WASHOUT ACTION, FLUSHING RIM, VITREOUS CHINA, 3/4" TOP SPUD. PROVIDE PISTON OPERATED MANUAL FLUSH VALVE 0.5 GPF, WITH INLET ANGLE STOP AND 1 1/4" OUTLET VACUUM BREAKER, ASSE 1037, 11 1/2" ROUGH-IN, ASME	2"	1 1/2")" 3/4"	_	URINAL	тото	UT447E	1, 5	
	MOUNT	A112.18.2 AND ADA COMPLIANT.		•			FLUSH VALVE	тото	TMU1LN22#CP	, -	
UR-2	URINAL WALL	WALL MOUNTED, WASHOUT ACTION, FLUSHING RIM, VITREOUS CHINA, 3/4" TOP SPUD. PROVIDE PISTON OPERATED MANUAL FLUSH VALVE 0.5 GPF, WITH INLET ANGLE STOP AND 1 1/4" OUTLET VACUUM BREAKER, ASSE 1037, 11 1/2" ROUGH-IN, ASME	2"	1 1/2"	3/4"	_	URINAL	тото	UT447E		
011-2	MOUNT	A112.18.2.	2	1 1/2	3/4	_	FLUSH VALVE	тото	TMU1LN22#CP	-	
WC 1		WATER CLOSET, FLOOR MOUNTED, BOTTOM OUTLET, ELONGATED BOWL, VITREOUS CHINA, SIPHON JET, 1 1/2" TOP SPUD, ASME A112.19.2. PROVIDE DIAPHRAGM OPERATED MANUAL FLUSH VALVE, DUAL FLUSH 1.6 / 1.1 GPF, WITH INLET ANGLE STOP AND	4"	2"	1"		WATER CLOSET	тото	CT725CUFG	1.2	
WC-1		OUTLET VACUUM BREAKER, ASSE 1037, WITH 24" TUBE FOR EXISTING ROUGH-IN, ADA COMPLIANT.	4	2	'	-	FLUSH VALVE	SLOAN	WES 111-1.6/1.1	1, 3	
WC-2		WATER CLOSET, FLOOR MOUNTED, BOTTOM OUTLET, ELONGATED BOWL, VITREOUS CHINA, SIPHON JET, 1 1/2" TOP SPUD, ASME	4"	2"	1"		WATER CLOSET	тото	CT725CUFG	3	
V V O-Z		DUNT A112.19.2. PROVIDE DIAPHRAGM OPERATED MANUAL FLUSH VALVE, DUAL FLUSH 1.6 / 1.1 GPF, WITH INLET ANGLE STOP AND LVE OUTLET VACUUM BREAKER, ASSE 1037, 11 1/2" FOR EXISTING ROUGH-IN.	7		1"	-	FLUSH VALVE	SLOAN	WES 111-1.6/1.1		
NOTES:											

- MOUNTING HEIGHTS OF ALL ACCESIBLE FIXTURES SHALL BE IN ACCORDANCE WITH ICC A117.1 "ACCESSIBLE AND USABLE BUILDING AND FACILITIES".
- INSULATE EXPOSED TRAP AND SUPPLIES IN ACCORDANCE WITH ICC A117.1 "ACCESSIBLE AND USABLE BUILDING AND FACILITIES".
- 3. MOUNT FIXTURE BOWL RIM HEIGHT 16.5", SEAT HEIGHT 17" AFF. PROVIDE WITH OPEN FRONT SEAT SIMILAR TO TOTO SC534. WC-1 TO BE ARRANGED AND INSTALLED ADA COMPLIANT.
- 4. PROVIDE FLOOR DRAIN WITH WATERLESS INLINE DRAIN TRAP SEAL, MODEL SURESEAL AS MANUFACTURED BY RECTORSEAL.
- 5. MOUNT FIXTURE RIM HEIGHT 17" AFF. UR-1 TO BE ARRANGED AND INSTALLED ADA COMPLIANT.
- 6. PROVIDE WITH RECESSED MOUNTED BOX, OPTIONAL ANODIZED ALUMNIMUM BOX.
- 7. LAVATORY MOUNTING HEIGHT SHALL BE 34" AFF.

BACKFLOW PREVENTERS										
MARK	PIPE SIZE	TYPE	CONFORMING	NFORMING SERVICE		BASIS OF DESIGN		DESIGN	LOCATION	NOTES
IVIARN	PIPE SIZE	ITPE	ТО	SERVICE	MANUFACTURER	MODEL NO	LOCATION	NOTES		
BFP-1	MATCH SUPPLY SIZE	DUAL CHECK	ASSE 1024	ICE MAKER	FEBCO (WATTS)	LF510	IN-LINE AT FILTER	1		
NOTES:										
1. ALL BACK	KFLOW PREVENTERS SHALL BE	LEAD FREE CONSTRU	JCTION.							

PLUMBING PIPING INSULATION SCHEDULE									
SERVICE	SIZE RANGE	THICKNESS	MATERIAL	MAXIMUM THERMAL CONDUCTIVITY					
ABOVE GROUND DOMESTIC COLD WATER	ALL	1"	MINERAL OR GLASS FIBER PRE-FORMED PIPE INSULATION WITH FACTORY APPLIED VAPOR BARRIER JACKET OR FLEXIBLE ELASTOMERIC TUBULAR PIPE INSULATION WITH FIELD FINISH	0.25 BTU/(IN*HR*FT2*°F)					
ABOVE GROUND DOMESTIC HOT WATER			0.25 BTU/(IN*HR*FT2*°F)						

PLUMBING PIPING S	PLUMBING PIPING SCHEDULE								
SERVICE	SIZE RANGE	SLOPE	MATERIAL	STANDARD					
ABOVE GROUND DOMESTIC WATER	1/2" - 2"	-	TYPE L HARD COPPER TUBE W/ CAST OR WROUGHT COPPER SOLDER JOINT FITTINGS	ASTM B 88 / ASME B16.18 / B16.22					
BELOW GROUND SANITARY / WASTE	3" AND LARGER	1%	PVC SCHEDULE 40 WITH DWV FITTINGS	ASTM D 2665 / ASTM F 1866					

MARK	FLOW MIN	CAPACITY	PRESSURE DROP	ESSURE DROP BASIS OF DESIGN (PSI) MANUFACTURER MODEL NO		ESSURE DROP BASIS OF DESIGN		TEMPERATURE	STANDARD	NOTES
IVIANN	(GPM)	(GPM)	(PSI)			SETTING	STANDARD	NOTES		
TMV-1	0.25	0.5	8	WATTS	LFUSG-B	95°F	ASSE 1070	1		

PLUMBING GENERAL NOTES

- 1. WORK INCLUDES PROVIDING A FIRST CLASS WORKING SYSTEM, TESTED AND READY FOR OPERATION, COMPLETE WITH LABOR, MATERIALS, APPARATUS, TRANSPORTATION, AND TOOLS REQUIRED FOR THE INSTALLATION, AS INDICATED.
- 2. ALL WORK SHALL COMPLY WITH 2018 VIRGINIA CONSTRUCTION CODE AND LOCAL BUILDING CODES, THE VIRGINIA PLUMBING AND MECHANICAL CODES (VMC 2018, VPC 2018, VFGC 2018, VECC 2018), NFPA CODES AND ALL OTHER APPLICABLE CODES. OBTAIN PERMITS, INSPECTIONS, LICENSES AND TESTS REQUIRED FOR THIS WORK AND PAY ALL FEES IN CONNECTION THEREWITH.
- COORDINATE WORK CLOSELY WITH OTHER TRADES. ALL DIMENSIONS SHOWN ARE FOR THE CONVENIENCE OF THE CONTRACTOR, AND SHALL BE VERIFIED AND COORDINATED IN THE FIELD PRIOR TO INSTALLATION. FAILURE TO COORDINATE WORK WILL NOT BE CONSIDERED AS A BASIS FOR
- 4. THESE DRAWINGS ARE SCHEMATIC IN NATURE AND DO NOT SHOW EXACT LOCATIONS OF FIXTURES, PIPING AND EQUIPMENT. DO NOT SCALE DRAWINGS. ALL OFFSETS AND FITTINGS FOR COMPLETE INSTALLATION MAY NOT BE INDICATED ON THE DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS AT THE BUILDING AND ANY CHANGES NECESSARY FOR COORDINATION WITH EXISTING CONDITIONS. PLUMBING SYSTEMS AND EQUIPMENT SHALL BE INSTALLED AND COORDINATED WITH OTHER WORK. IF CONFLICTS CANNOT BE RESOLVED THEY SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT / ENGINEER.
- THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION SELECTED BY THE CONTRACTOR OR OF THE SAFETY PRECAUTIONS AND PROGRAMS INCIDENTAL TO THE WORK OF THE CONTRACTOR. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE FAILURE OF THE CONTRACTOR TO PERFORM THE WORK IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS.
- ALL MATERIALS SHALL BEAR THE MANUFACTURER'S NAME, TRADE NAME AND BE U.L. LABELED IF REQUIRED. UNLESS NOTED OTHERWISE, ALL EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER. ALL EQUIPMENT OF A SIMILAR TYPE SHALL BE OF THE SAME MANUFACTURER.
- 7. GUARANTEE / WARRANTY: ALL PLUMBING EQUIPMENT, MATERIALS AND LABOR REQUIRED BY THESE SPECIFICATIONS AND ACCOMPANYING DRAWINGS SHALL BE GUARANTEED TO BE FREE FROM DEFECTIVE MATERIALS OR WORKMANSHIP FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE OF THE PROJECT EXCEPT EXTENDED WARRANTIES, AS SPECIFIED ELSEWHERE IN THESE DOCUMENTS ON SPECIFIC ITEMS OF EQUIPMENT, WILL BE FURNISHED BY THE TRADE PROVIDING THE EQUIPMENT.
- CONTRACTOR SHALL FURNISH LOCATION AND SIZE OF OPENINGS REQUIRED FOR PLUMBING FIXTURES, EQUIPMENT AND PIPING TO THE GENERAL CONTRACTOR IN TIME NOT TO DELAY BUILDING CONSTRUCTION.
- 9. PIPE SIZES SHOWN ARE NPS INSIDE DIMENSIONS. COPPER TUBE SIZES ARE FOR NOMINAL TYPE L.

ABBREVIATIONS

ABV	- ABOVE	EX	- EXISTING
ΑD	- ACCESS DOOR	EL	- ELEVATION
BEL	- BELOW	FL	- FLOOR
N	- DOWN	INV	- INVERT

DFU - DRAINAGE FIXTURE UNIT

PLUMBING PIPING SYSTEMS

SFU - SUPPLY FIXTURE UNIT

С	- COLD WATER	S	- SANITARY
Н	- HOT WATER	V	- VENT
HR	- HOT WATER RECIRCULATING	VTR	- VENT-THRU-ROOF
		W	- WASTE

FIXTURE & EQUIPMENT MARKS

BFP	- BACKFLOW PREVENTER	OSD	- OPEN SITE DRAIN
со	- CLEANOUT	TMV	- THERMOSTATIC MIXING VALVE
EFD	- EMERGENCY FLOOR DRAIN	UR	- URINAL
EWC	- ELECTRIC WATER COOLER	WH	- WALL HYDRANT
FCO	- FLOOR CLEANOUT	WC	- WATER CLOSET
FD	- FLOOR DRAIN	wco	- WALL CLEANOUT
НВ	- HOSE BIBB		
LAV	- LAVATORY		

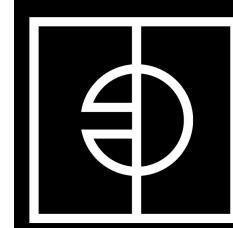
PLUMBING LEGEND

·	TEE OR ELBOW FROM TOP OF MAIN
<u></u>	TOP OF MAIN
- ÷	BOTTOM OF MAIN
LL	SIDE OF MAIN
0	RISER IN PLAN
	COLD WATER
	HOT WATER
	HOT WATER RETURN
	SANITARY SOIL & WASTE
	SANITARY VENT (RISER VIEW)
	DIRECTION OF SLOPE DOWN
	SHUTOFF / SERVICE VALVE (IN PLAN)
	CHECK VALVE
WHA	WATER HAMMER ARRESTOR
	EXISTING TO REMAIN
	EXISTING TO BE REMOVED
igorplus	EXTENT OF DEMOLITION
lacksquare	POINT OF CONNECTION - NEW TO EXISTING
1	DEMOLITION PLAN REFERENCE NOTE
1	PLAN REFERENCE NOTE

GENERAL PLUMBING INSTALLATION NOTES

- MAKE PROPER SUPPLY AND DRAINAGE PIPING CONNECTIONS TO ALL FIXTURES AND EQUIPMENT EVEN THOUGH EVERY BRANCH PIPE AND FITTING MAY NOT BE GRAPHICALLY INDICATED.
- VERIFY FIXTURE LOCATIONS WITH ARCHITECTURAL WORKING DRAWINGS BEFORE ROUGHING-IN PLUMBING FIXTURES.
- PIPING SLOPES AND INVERT ELEVATIONS OF SEWERS, MANHOLES, SEPTIC TANKS, ETC. SHALL BE ESTABLISHED AND VERIFIED BY THE PLUMBING CONTRACTOR PRIOR TO PIPING INSTALLATION IN ORDER THAT PROPER SLOPES ARE MAINTAINED AND NECESSARY INVERT ELEVATIONS MET.
- COORDINATE THE LOCATIONS OF ALL PIPING WITH ELECTRICAL WORK AND LIGHTING FIXTURES, HVAC PIPING AND DUCTWORK, FIRE PROTECTION PIPING, STRUCTURAL ELEMENTS AND CEILING CONSTRUCTION, ETC.
- PROVIDE ALL FLOOR DRAINS WITH STANDARD SEAL P-TRAP, UNLESS OTHERWISE NOTED. FLOOR DRAIN TRAP SEALS SUBJECT TO LOSS BY EVAPORATION SHALL BE EQUIPED WITH WATERLESS INLINE DRAIN TRAP SEAL MODEL SURESEAL AS MANUFACTURED BY RECTORSEAL.
- ALL SHUTOFF / SERVICE VALVES, WATER HAMMER ARRESTORS, ETC. IN CONCEALED LOCATIONS SHALL BE ACCESSIBLE. PROVIDE ACCESS DOOR OR PANEL AS REQUIRED.
- CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF ALL POINTS OF CONNECTION FOR NEW-TO-EXISTING WORK PRIOR TO NEW WORK BEING INSTALLED.
- PROVIDE CLEANOUT AT THE BASE OF ALL NEW SOIL OR WASTE STACKS.

	PLUMBING DRAWING INDEX				
SHEET NUMBER	SHEET NAME				
P0.01	PLUMBING - LEGEND & SCHEDULES				
P1 01	PLUMBING - PARTIAL PLANS DETAILS & SPECIFICATIONS				



ENTEROS DESIGN

> 7 NORTH 25TH STREET RICHMOND, VA 23223

> > 804.861.1200 P

Written dimensions on these drawings shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job. The Architect must be notified of any variations from the dimensions and conditions shown on these drawings.



804.977.0403 INVERSITY CONSULTING. COM PC: 23041

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WORKING DRAWINGS

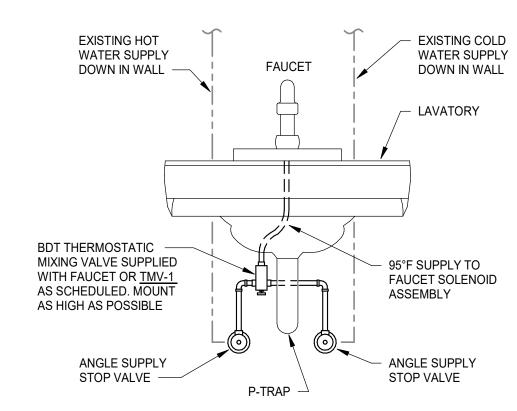
REVISIONS # DATE DESCRIPTION

PLUMBING - LEGEND & SCHEDULES

PROJ. NO.: 236007

DATE: 07/21/23 DRAWN BY: JAF





LAVATORY FAUCET TEMPERING VALVE DETAIL

PLUMBING SPECIFICATION NOTES

- A. ALL SUBMITTALS OF ANY TYPE, AND ALL CORRESPONDENCE, SHALL FOLLOW THE REQUIREMENTS OF DIVISION 1.
- B. WORK INCLUDES PROVIDING A FIRST CLASS WORKING SYSTEM, TESTED AND READY FOR OPERATION, COMPLETE WITH LABOR, MATERIALS, APPARATUS, TRANSPORTATION, AND TOOLS REQUIRED FOR THE INSTALLATION, AS INDICATED.
- C. ALL WORK SHALL COMPLY WITH 2018 VIRGINIA CONSTRUCTION CODE AND LOCAL BUILDING CODES, THE VIRGINIA PLUMBING AND MECHANICAL CODES (VPC 2018, VMC 2018, VECC 2018), NFPA CODES AND ALL OTHER APPLICABLE CODES. OBTAIN PERMITS, INSPECTIONS, LICENSES AND TESTS REQUIRED FOR THIS WORK AND PAY ALL FEES IN CONNECTION THEREWITH.
- D. COORDINATE WORK CLOSELY WITH OTHER TRADES. ALL DIMENSIONS SHOWN ARE FOR THE CONVENIENCE OF THE CONTRACTOR AND SHALL BE VERIFIED AND COORDINATED IN THE FIELD PRIOR TO INSTALLATION. FAILURE TO COORDINATE WORK WILL NOT BE CONSIDERED AS A BASIS FOR EXTRA PAYMENTS.
- E. THESE DRAWINGS ARE SCHEMATIC IN NATURE AND DO NOT SHOW EXACT LOCATIONS OF FIXTURES, PIPING AND EQUIPMENT. DO NOT SCALE DRAWINGS. ALL OFFSETS AND FITTINGS FOR COMPLETE INSTALLATION MAY NOT BE DEFINED ON THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXACT DIMENSIONS AT THE BUILDING AND FOR ANY CHANGES NECESSARY FOR COORDINATION WITH STRUCTURAL CONDITIONS. PLUMBING SYSTEMS AND EQUIPMENT SHALL BE INSTALLED AND COORDINATED WITH OTHER WORK. IF CONFLICTS CANNOT BE RESOLVED THEY SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT / ENGINEER.
- F. GUARANTEE / WARRANTY: ALL PLUMBING EQUIPMENT, MATERIALS AND LABOR REQUIRED BY THESE SPECIFICATIONS AND ACCOMPANYING DRAWINGS SHALL BE GUARANTEED TO BE FREE FROM DEFECTIVE MATERIALS OR WORKMANSHIP FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE OF THE PROJECT EXCEPT EXTENDED WARRANTIES AS SPECIFIED ELSEWHERE IN THESE DOCUMENTS ON SPECIFIC ITEMS OF EQUIPMENT WILL BE FURNISHED BY THE TRADE PROVIDING THE EQUIPMENT.
- G. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION SELECTED BY THE CONTRACTOR OR OF THE SAFETY PRECAUTIONS AND PROGRAMS INCIDENTAL TO THE WORK OF THE CONTRACTOR. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE FAILURE OF THE CONTRACTOR TO PERFORM THE WORK IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS.
- H. ALL MATERIALS SHALL BEAR THE MANUFACTURER'S NAME, TRADE NAME AND BE U.L. LABELED IF REQUIRED. UNLESS NOTED OTHERWISE, ALL EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER. ALL EQUIPMENT OF A SIMILAR TYPE SHALL BE OF THE SAME MANUFACTURER.
- I. CONTRACTOR SHALL LOCATE AND SIZE ALL OPENINGS REQUIRED FOR PLUMBING FIXTURES, EQUIPMENT AND PIPING, AND PROVIDE THIS INFORMATION TO THE GENERAL CONTRACTOR IN TIME NOT TO DELAY BUILDING CONSTRUCTION.
- J. PIPE SIZES SHOWN ARE NPS INSIDE DIMENSIONS. COPPER PIPE SIZES ARE FOR NOMINAL COPPER TUBE SIZE.

K. DOMESTIC WATER PIPING:

INTERIOR PIPING (ABOVE GRADE) SHALL BE TYPE "L" HARD COPPER TUBING, ASTM B88. COPPER TUBING SHALL BE ASSEMBLED WITH LEAD-FREE SOLDER-TYPE CAST OR WROUGHT COPPER SOLDER FITTINGS. ASME B16.22. DIELECTRIC FITTINGS SHALL BE USED WHERE COPPER PIPING IS CONNECTED TO DISSIMILAR JOINT FITTINGS. JOINTS SHALL BE MADE WITH A NON-CORROSIVE FLUX WITH SOLDER COMPOSED OF 95 PERCENT TIN AND 5 PERCENT ANTIMONY. VALVES SHALL BE BY A SINGLE MANUFACTURER. BALL VALVES SHALL BE MSS SP-110, CLASS 150 WOG, TWO-PIECE CONSTRUCTION, FULL PORT CHROME PLATED BRASS OR STAINLESS STEEL BALL, BRASS BODY, END CONNECTIONS THREAD OR SOLDER. ACCEPTABLE MANUFACTURERS INCLUDE CRANE, MILWAUKEE, NIBCO OR APPROVED EQUAL. VALVES SHALL BE INSTALLED AS DETAILED ON THE PLANS OR WITH STEM UPRIGHT OR ABOVE HORIZONTAL. WHEN VALVES ARE NOT SHOWN IN DETAILS ON THE PLANS, IT SHALL BE UNDERSTOOD THAT THE PLUMBING CONTRACTOR SHALL PROVIDE ALL VALVES AND FITTINGS NECESSARY FOR THE CONTROL, OPERATION AND ISOLATION OF ALL FIXTURES AND EQUIPMENT.

L. SANITARY WASTE AND VENT PIPING, BELOW GRADE, BELOW BUILDING SLAB: PVC SCHEDULE 40 WITH DWV FITTINGS, ASTM D 2665 / ASTM F 1866.

PROVIDE AND INSTALL ALL FIXTURES AS INDICATED ON DRAWINGS AND HEREIN SPECIFIED WITH ALL SUPPLIES, WASTE AND VENT CONNECTIONS, ALL FITTINGS, ALL NECESSARY SUPPORTS, FAUCETS, VALVES AND TRAPS. FURNISH INDIVIDUAL STOPS ON SUPPLY PIPES OF ALL FIXTURES EXCEPT FOR SUPPLY PIPES TO FLUSH VALVES WITH INTEGRAL STOPS. ALL EXPOSED TRIMMINGS AND FIXTURE SUPPLY PIPES TO BE POLISHED CHROMIUM PLATED FINISH. ALL ENAMELED CAST IRON FIXTURES SHALL BE FURNISHED WITH ACID RESISTING ENAMEL. FAUCET LOCATIONS SHALL BE UNIFORM, WITH COLD WATER FAUCET ON THE RIGHT SIDE OF THE FIXTURE AND HOT WATER ON THE LEFT SIDE. FIXTURE COLOR SHALL BE WHITE. JOINTS FORMED WHERE FIXTURES COME IN CONTACT WITH WALLS OR FLOORS SHALL BE SEALED. REFER TO DRAWINGS FOR QUANTITIES, LOCATIONS AND MOUNTING HEIGHTS. NEW FIXTURES SHALL BE FREE FROM FLAWS AND BLEMISHES WITH FINISHED SURFACES CLEAN, SMOOTH AND BRIGHT. VISIBLE PARTS OF FIXTURE BRASS AND ACCESSORIES SHALL BE CHROME PLATED. FIXTURES SHALL BE COMMERCIAL GRADE - SEE PLUMBING

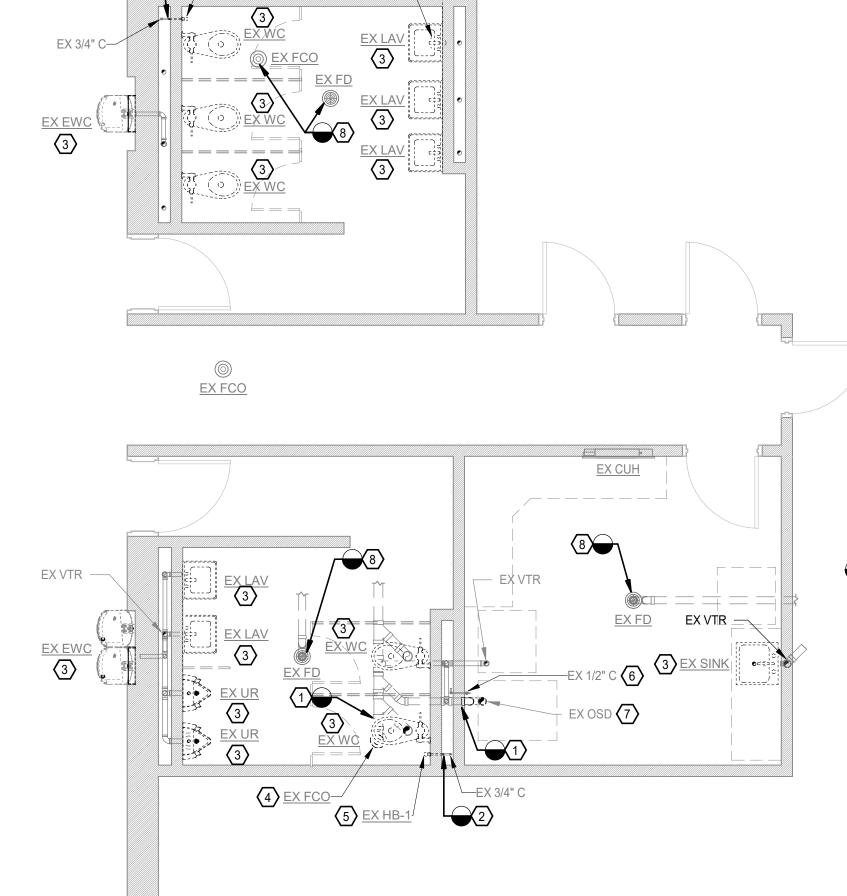
N. BACKFLOW PREVENTERS:

BFP-1: DUAL CHECK VALVE BACKFLOW PREVENTER SHALL BE CERTIFIED TO NSF / ANSI 61, AND ASSE 1024. THE MAIN BODY SHALL BE LEAD-FREE BRONZE BODY INCLUDING NOT LESS THAN ONE UNION WITH TAMPER-PROOF LOCKING WIRE, AN ATTACHED BRASS ID TAG INDICATING DIRECTION OF FLOW. THE CHECK ASSEMBLIES SHALL BE ACETYL RESIN AND PPO, THE DISCS SILICONE, THE SPRINGS STAINLESS STEEL. THE SEAL RING AND O-RINGS SHALL BE BUNA NITRILE. THE DUAL CHECK VALVE SHALL BE FEBCO SERIES LF510 OR APPROVED EQUAL.

O. PIPE HANGERS: SHALL BE ADJUSTABLE CLEVIS TYPE, MSS SP 58 AND MSS SP 69. PROVIDE INSULATION PROTECTION SHIELDS FOR INSULATED PIPE. PROVIDE THREADED GALVANIZED STEEL SUPPORT RODS AND UPPER ATTACHMENTS.

THICKNESS AS SCHEDULED, FLEXIBLE ELASTOMERIC TUBULAR PIPE INSULATION WITH FIELD FINISH OR 3.5 LB DENSITY MINERAL-FIBER, PRE-FORMED PIPE INSULATION WITH FACTORY APPLIED WHITE, FLAME RESISTANT, VAPOR BARRIER ASJ JACKET AS MANUFACTURED BY OWENS-CORNING, MANVILLE, CERTAINTEED, OR PPG. VALVES & FITTINGS: SHALL BE COVERED WITH SAME TYPE AND THICKNESS AS PIPING, PROTECTED WITH PVC COVERS.

TMV-1: SHALL BE WATTS LFUSG-B-M2 OR APPROVED EQUAL, ASSE 1070 CERTIFIED. MAINTAIN AND LIMIT HOT WATER TO SELECTABLE TEMPERATURE. LEAD-FREE BRASS BODY CONSTRUCTION, 4-PORT "H" PATTERN STYLE, 3/8" COMPRESSION CONNECTIONS, TAMPER RESISTNET LOCKING ADJUSTMENT NUT, INTEGRAL FILTER WASHERS AND DUAL CHECK VALVES.



GENERAL PROJECT SCOPE NOTE

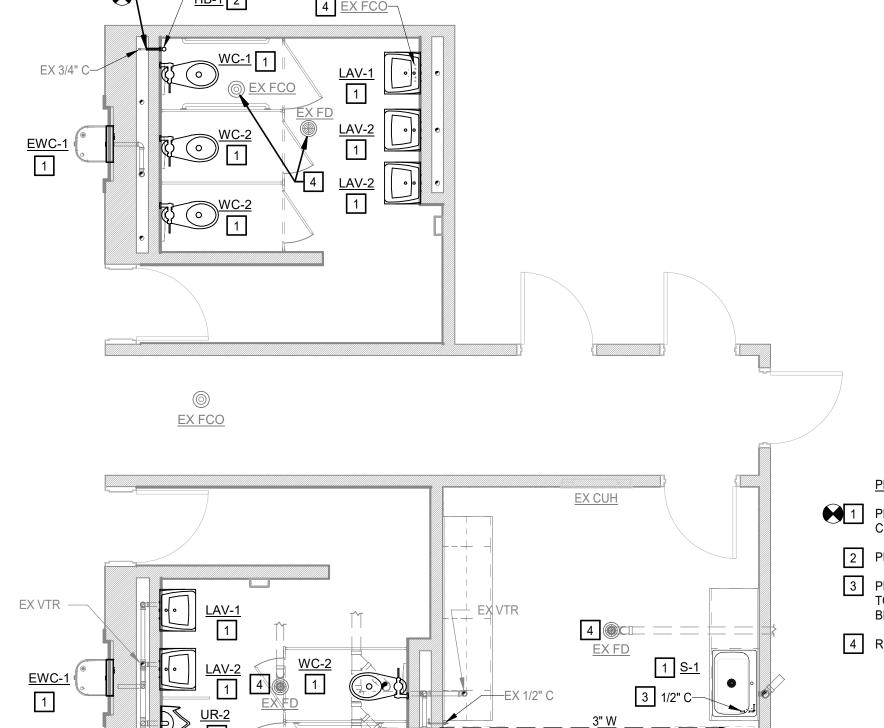
GENERALLY, THE PROJECT PLUMBING SCOPE IS THE REPLACEMENT OF THE EXISTING FIXTURES AS INDICATED REUSING THE EXISTING ROUGH-IN LOCATIONS. PIPING CONNECTIONS TO EXISTING DRAINAGE AND SUPPLY SYSTEMS SHALL MATCH EXISTING PIPING MATERIALS. COORDINATE PROTECTION AND PREPARATION OF EXISTING FLOOR DRAINS, CLEANOUTS, PIPING ROUGH-IN AND FIXTURE HANGERS TO REMAIN WITH DEMOLITION OF WALL AND FLOOR TILE FINISHES.

DEMOLITION PLAN REFERENCE NOTES

- (1) REMOVE EXISTING SWV PIPING TO EXTENT INDICATED. CAP BRANCH AND PREPARE FOR CONNECTION TO NEW WORK.
- REMOVE EXISTING DOMESTIC WATER PIPING TO EXTENT INDICATED. CAP BRANCH AND PREPARE FOR CONNECTION TO NEW WORK.
- REMOVE EXISTING FIXTURE, DRAIN PIPING AND SUPPLIES TO ROUGH-IN AT EXISTING WALL, CAP / PLUG PIPING AND PREPARE FOR CONNECTION TO NEW WORK. REUSE EXISTING WALL HANGER / CARRIER AT URINALS. REMOVE EXISTING WALL HANGER / CARRIER AT LAVATORIES.
- 4 REMOVE EXISTING FLOOR CLEANOUT.
- (5) REMOVE EXISTING HOSE BIBB.
- 6 REMOVE EXISTING WATER FILTER ASSEMBLY AND RETAIN FOR REUSE. CLOSE SHUT-OFF VALVE AND CAP BRANCH.
- 7 REMOVE EXISTING OPEN SITE DRAIN AND P-TRAP.
- (8) EXISTING FLOOR DRAIN / CLEANOUT TO REMAIN. REMOVE AND RETAIN STRAINER / COVER FOR REUSE. PROTECT DRAIN BODY OPENING DURING FLOOR TILE DEMOLITION.



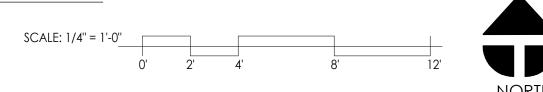
PLUMBING - PARTIAL FIRST FLOOR PLAN - DEMOLITION

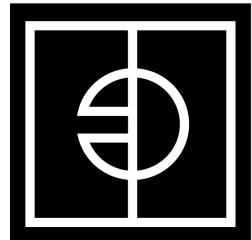


PLAN REFERENCE NOTES

- 1 PROVIDE FIXTURE, DRAIN AND SUPPLIES AS REQUIRED FOR CONNECTION TO EXISTING ROUGH-IN.
 - 2 PROVIDE HOSE BIBB AND CONNECT TO EXISTING ROUGH-IN.
- PROVIDE 1/2" COLD SUPPLY BRANCH WITH SHUT-OFF VALVE AND <u>BFP-1</u>
 TO RELOCATED ICE MACHINE FILTER ASSEMBLY. INSTALL IN CASEWORK BELOW SINK.
- 4 RE-INSTALL FLOOR DRAIN STRAINER / CLEANOUT COVER.







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PC: 23041

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WORKING DRAWINGS

REVISIONS # DATE DESCRIPTION

PLUMBING - PARTIAL PLANS, DETAILS, & **SPECIFICATIONS**

PROJ. NO.: 236007 DATE: 07/21/23 DRAWN BY: JAF

ELECTRICAL SPECIFICATIONS:

- 1. ALL ELECTRICAL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE 2018 VIRGINIA UNIFORM STATEWIDE BUILDING CODE, 2018 VIRGINIA ENERGY CONSERVATION CODE, AND THE 2017 NATIONAL ELECTRICAL CODE (NEC).
- 2. ALL ELECTRICAL EQUIPMENT AND MATERIAL USED SHALL BEAR THE UNDERWRITER'S LABORATORY (UL) LABEL FOR THE INTENDED APPLICATION.
- 3. THE CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIALS REQUIRED TO PROVIDE COMPLETE WORKING ELECTRICAL SYSTEMS AS SHOWN ON THE DRAWINGS. ALL WORK SHALL BE DONE IN A NEAT AND WORKMANLIKE MANNER AND SHALL BE SUBJECT TO APPROVAL BY THE ARCHITECT/ENGINEER (A/E) AND OWNER. THE CONTRACTOR SHALL WARRANT FOR A PERIOD OF ONE YEAR ALL WORK PROVIDED UNDER THE CONTRACT TO INCLUDE, BUT NOT NECESSARILY LIMITED TO, ALL SYSTEMS, EQUIPMENT, MATERIALS, AND WORKMANSHIP. THIS SHALL NOT BE CONSTRUED TO LIMIT ANY EXTENDED WARRANTY PERIODS OF LONGER THAN ONE YEAR FOR SPECIFIC ITEMS AS CALLED FOR IN THESE SPECIFICATIONS. THE WARRANTY PERIOD SHALL COMMENCE ON THE DATE OF ACCEPTANCE BY THE OWNER AND SHALL COVER ALL PARTS AND LABOR AS REQUIRED TO FULFILL THE WARRANTY AT NO COST TO THE OWNER.
- 4. THE ELECTRICAL TRADE MAY VISIT THE JOB SITE AND SURVEY ALL EXISTING CONDITIONS WHICH MAY AFFECT HIS WORK PRIOR TO CONTRACT PRICE AGREEMENT. IF A SITE VISIT IS DESIRED, HE SHALL COORDINATE DATE AND TIME FOR SUCH VISIT WITH THE ARCHITECT AND OWNER. THE ELECTRICAL TRADE SHALL COORDINATE ALL WORK WITH THE WORK OF OTHER TRADES. CONFLICTS DUE TO FAILURE OF THE ELECTRICAL TRADE TO COORDINATE WORK WILL BE CORRECTED AT THE EXPENSE OF THE ELECTRICAL TRADE, INCLUDING COSTS FOR REPAIRS TO WORK OF OTHER TRADES.
- 5. THE ELECTRICAL TRADE SHALL SUBMIT ALL ELECTRICAL MATERIALS REQUIRED BY THESE SPECIFICATIONS FOR REVIEW BY A/E IN ACCORDANCE WITH SUBMITTAL PROCEDURES. SUBMITTALS ARE REQUIRED FOR ALL EQUIPMENT AND MATERIALS INDICATED WITH AN [S] BEHIND THE PRODUCT TITLE. THIS SHALL INCLUDE SUBMISSION OF THE SPECIFIED PRODUCTS EQUIPMENT AND MATERIALS. ALL SUBMITTAL DATA SHALL BE CORRECTLY IDENTIFIED TO SHOW PROJECT NAME, AND THE EXACT MODEL, STYLE, OR SIZE OF ITEM BEING SUBMITTED AND SHALL BEAR THE SUBCONTRACTOR'S STAMP WHICH STATES THAT THEY HAVE REVIEWED THE SUBMISSION, IT IS COMPLETE, AND THAT IN THEIR OPINION IT MEETS THE CONTRACT REQUIREMENTS. THE CONTRACTOR'S STAMP SHALL CLEARLY INDICATE THE NAME OF THE REVIEWING CONTRACTOR. REFER TO THE GENERAL CONDITIONS OF IN THE ARCHITECT'S SPECIFICATIONS FOR ALL SUBMITTAL REQUIREMENTS.
- 6. AT COMPLETION OF PROJECT, THE ELECTRICAL TRADE SHALL SUBMIT IN ACCORDANCE WITH ARCHITECT'S SUBMITTAL PROCEDURE, OPERATION AND MAINTENANCE DATA (O/M) FOR ALL ELECTRICAL ITEMS WHICH WILL REQUIRE SERVICING BEFORE THE DURATION OF THEIR USEFUL LIFE HAS BEEN REACHED. O/M MANUALS SHALL INCLUDE A COMPLETE PRODUCT INDEX, INSTALLATION AND MAINTENANCE DATA, SEQUENCE OF CONTROLS, PARTS LISTS, AND THE NAME, ADDRESS, AND TELEPHONE NUMBER OF SUPPLIER OR NEAREST REPRESENTATIVE.
- 7. ALL WIRING FOR CIRCUITRY 120 VOLT OR GREATER SHALL BE COPPER THWN OR THHN IN METALLIC CONDUIT. ALL 120V CIRCUIT WIRING SHALL BE #12 OR LARGER. ALL WIRE #8 AWG OR LARGER SHALL BE STRANDED. ALL CIRCUITS SHALL BE PROVIDED WITH A SEPARATE NEUTRAL. ON 120/208V SYSTEMS, COLOR SCHEME SHALL BE AS FOLLOWS: PHASE A BLACK, PHASE B RED, PHASE C BLUE, NEUTRAL WHITE, GROUND GREEN.
- 8. SURFACE RACEWAY [S]: SURFACE RACEWAY MAY BE USED FOR INSTALLATION OF OUTLETS AND WIRING ALONG EXISTING EXPOSED MASONRY OR CONCRETE WALLS. SURFACE RACEWAY SHALL BE WIREMOLD SERIES 500 OR 700 (OR ACCEPTABLE EQUAL), COMPLETE WITH ALL REQUIRED FITTINGS, PLATES, COVERS, ADAPTERS, BOXES, WIRING DEVICES, DEVICE BRACKETS, ELBOWS, TEES, ETC. THE ELECTRICAL TRADE SHALL PROVIDE A DRAWING SHOWING ALL LOCATIONS WHERE HE INTENDS TO INSTALL SURFACE RACEWAY FOR REVIEW AND APPROVAL OF THE A/E PRIOR TO INSTALLATION. SURFACE RACEWAY SHALL BE INSTALLED IN ACCORDANCE WITH ALL MANUFACTURER RECOMMENDATIONS AND INSTRUCTIONS.
- 9. ALL POWER LIMITED SHIELDED TWISTED PAIR CABLE SHALL BE AS MANUFACTURED BY BELDEN, ALPHA, WEST PENN, OR ANIXTER. FURNISH PROPER NUMBER OF CONTROL WIRING PAIRS, SHIELDING, INSULATION, ETC. AS REQUIRED BY CONTROLLED SYSTEM MANUFACTURER. ALL WIRING ON THIS PROJECT SHALL BE PLENUM RATED.
- 10. GROUNDING: ALL GROUNDING SHALL BE IN ACCORDANCE WITH NEC. ALL CIRCUITRY SHALL INCLUDE AN EQUIPMENT GROUNDING CONDUCTOR (GEC).
- 11. ALL CONDUIT SHALL BE RIGID HEAVY WALL CONDUIT (GRS), INTERMEDIATE METAL CONDUIT (IMC), OR ELECTRICAL METALLIC TUBING (EMT) AS PERMITTED BY NEC. MINIMUM SIZE SHALL BE 3/4" EXCEPT FOR FLEXIBLE CONDUIT. CONDUIT SHALL BE BY REPUBLIC, STEELDUCT, ALLIED TUBING, WHEATLAND, OR OTHER ACCEPTABLE MANUFACTURER. PVC CONDUIT AND MC CABLE ARE NOT PERMITTED FOR THIS PROJECT.
- 12. FLEXIBLE METAL CONDUIT SHALL BE USED FOR ALL FLEXIBLE CONNECTIONS, PLUS ALL SHORT MOTOR CONNECTIONS, AND ALL EQUIPMENT SUBJECT TO MOVEMENT OR VIBRATION. FLEXIBLE METAL CONDUIT MAY ALSO BE USED AS THE FLEXIBLE CONNECTION TO RECESSED LIGHTING FIXTURE ASSEMBLIES AND IN EXISTING WALL VOIDS. FLEXIBLE METAL CONDUIT SHALL BE INSTALLED IN ACCORDANCE WITH THE NEC AND ALL LIMITATIONS THEREIN AND SHALL BE LIMITED TO 6' MAXIMUM LENGTH. LIQUIDTIGHT FLEXIBLE METAL CONDUIT SHALL BE USED IN ALL INTERIOR WET LOCATIONS.
- 13. FURNISH AND INSTALL CONDUIT RUNS TO PRODUCE SWITCHING AND CIRCUIT CONTROL INDICATED ON THE DRAWINGS. ALLOW FOR MAKING CONNECTIONS TO ALL OUTLETS, LIGHT FIXTURES, ETC. INDICATED AND CHECK PLANS TO INSURE ALL OUTLETS, ETC., HAVE A DESIGNATED CIRCUIT.

14. OUTLET BOXES:

- A. ALL OUTLET BOXES SHALL BE ONE-PIECE CONSTRUCTION WITH PROPER CONDUIT KNOCKOUTS AS REQUIRED, AND EQUAL TO STEEL CITY OR RACO. PROVIDE PROPER DEVICE COVER AS REQUIRED FOR DEVICES AND WALL FINISH. ALL BOXES SHALL BE RIGIDLY AND SECURELY FASTENED IN PLACE IN ACCORDANCE WITH NEC.
- B. ALL CEILING OUTLET BOXES SHALL HAVE ADJUSTABLE BAR HANGERS AND PROPER FIXTURE ADAPTER COVER.
- C. ALL OUTLET BOX COVER PLATES SHALL BE TYPE 302 STAMPED STAINLESS STEEL.
- D. ALL UNUSED KNOCKOUTS IN BOXES SHALL BE PLUGGED WITH STEEL SNAP-IN KNOCKOUT BLANKS. BLANKS SHALL BE BY SAME MANUFACTURER AS OUTLET BOX.

15. WIRING DEVICES [S]:

- A. RECEPTACLES: HEAVY DUTY SPECIFICATION GRADE HUBBELL HBL SERIES, COOPER 5362 SERIES OR P&S 5362 SERIES, DUPLEX, GFCI, ETC. AS REQUIRED WITH STAINLESS STEEL COVER PLATES. DEVICE COLOR SHALL MATCH EXISTING OUTLETS.
- B. BLANK FACE GFCI OUTLET: COMMERCIAL SPECIFICATION GRADE, 20A, WITH SELF TESTING AND STATUS INDICATOR LIGHT, TEST AND RESET BUTTONS, LEVITON #GFRBF SERIES OR ACCEPTABLE EQUAL. DEVICE SHALL SERVE AS ACCESSIBLE GROUND-FAULT PROTECTION FOR ELECTRIC WATER COOLER OUTLET BEHIND COVER IN ACCORDANCE WITH NEC 422.5.
- 16. LIGHTING FIXTURES [S]: LIGHTING FIXTURES SHALL BE AS SPECIFIED IN THE LIGHTING FIXTURE SCHEDULE OR ACCEPTABLE EQUALS. PROVIDE LIGHTING FIXTURES COMPLETE WITH ALL REQUIRED PLATES, RINGS, HANGERS, TRIM AND ALL ACCESSORIES NECESSARY FOR A COMPLETE AND SECURE INSTALLATION. ALL FIXTURES SHALL BE ADEQUATELY SUPPORTED BY FIXTURE STUDS, CONDUIT STEMS, STEEL RODS, OR BAR HANGERS. RECESSED FIXTURES IN ACT CEILINGS SHALL BE PROVIDED WITH A MINIMUM OF TWO (2) AUXILIARY SUPPORT WIRES AT THE DIAGONAL CORNERS OF THE FIXTURE. THE AUXILIARY SUPPORT WIRES SHALL BE ATTACHED TO THE STRUCTURE AND CAPABLE OF SUPPORTING THE FIXTURE IF THE CEILING SYSTEM SUPPORT WIRES ARE COMPROMISED. FIXTURES SHALL NOT BE MOUNTED TO OR SUSPENDED FROM ANY MECHANICAL SYSTEM.

ELECTRICAL ABBREVIATIONS									
Α	-	AMPS	HP	-	HORSEPOWER				
AC	-	AIR CONDITIONING	HW	-	HOT WATER				
ACS	-	ABOVE COUNTER SPLASHBACK	HWCP	-	HOT WATER CIRCULATING PUMP				
ATS	-	AUTOMATIC TRANSFER SWITCH	HZ	-	HERTZ				
BRKR	-	BREAKER	IBS	-	IN BASE OF SHELVES				
С	-	CONDUIT	IMC	-	INTERMEDIATE METAL CONDUIT				
CLG	-	CEILING	JB	-	JUNCTION BOX				
COMB	-	COMBINATION	KVA	-	KILOVOLT-AMPS				
CRT	-	CIRCUIT	KW	-	KILOWATT				
CT	-	CURRENT TRANSFORMER	MP	-	MOTOR PROTECTIVE SWITCH				
CUH	-	CABINET UNIT HEATER	MS	-	MOTOR STARTER				
CW	-	COLD WATER	NF	-	NON-FUSIBLE				
DDC	-	DIRECT DIGITAL CONTROLLER	РВ	-	PUSH BUTION				
DH	_	DOOR HOLDER	PC	-	PHOTOCELL				
DISC	-	DISCONNECT SWITCH	PNL	-	PANEL				
DP	_	DOUBLE POLE	PAC	-	PACKAGED AIR CONDITIONING UNIT				
DS	-	DOOR SWITCH	R	-	REMOVE				
DT	_	DOUBLE THROW	REC	-	RECEPTACLE				
Е	_	EXISTING	S/N	-	SOLID NEUTRAL				
EGC	-	EQUIPMENT GROUND CONDUCTOR	S/0	-	SPACE ONLY				
EM	-	EMERGENCY	SP	_	SINGLE POLE				
EMT	-	ELECTRIC METALLIC TUBING	ST	_	SINGLE THROW				
ESC	-	ELECTRIC SEQUENCE CONTROLS	SW	_	SWITCH				
EUH	_	ELECTRIC UNIT HEATER	TRANS	-	TRANSFORMER				
EWC	_	ELECTRIC WATER COOLER	UH	-	UNIT HEATER				
FA	-	FIRE ALARM	V	_	VOLT				
FLA	_	FULL LOAD AMPS	VV	_	VARIABLE VOLUME				
FP	_	FAN POWERED VARIABLE VOLUME BOXES	W	_	WATTS				
GEC	_	GROUND ELECTRODE CONDUCTOR	WH	_	WALL HEATER				
GEN	_	GENERATOR	WL	_	WHILE IN USE				
GFCI	_	GROUND FAULT CIRCUIT INTERRUPTER	WP	_	WEATHERPROOF				
GRS	_	GALVANIZED RIGID STEEL CONDUIT	Ø	_	PHASE				
HOA	_		· -						

SCOPE OF WORK LEGEND SYMBOL DESCRIPTION REMOVE DEVICES AND EQUIPMENT IN ACCORDANCE WITH THE GENERAL DEMOLITION NOTES. DEVICES ARE EXISTING TO REMAIN.

GENERAL DEMOLITION NOTES

- A. PROVIDE ALL ELECTRICAL DEMOLITION WORK REQUIRED TO INSTALL THE WORK INDICATED.
 REROUTE AND RECONNECT ALL BRANCH CIRCUITS THAT WILL REMAIN IN USE BUT INTERFERES WITH
 THE WORK
- B. REMOVE ALL EXISTING CONDUITS THAT WILL NOT BE REUSED WHERE ACCESSIBLE. THEY MAY BE ABANDONED WHERE BEHIND INACCESSIBLE PARTITIONS TO REMAIN.
- C. WHERE RECESSED WIRING DEVICES (SWITCHES, RECEPTACLES, ETC.) ARE CALLED OUT TO BE REPLACED IN THEIR CURRENT LOCATIONS, THE EXISTING RECESSED OUTLET BOX MAY BE REUSED. THE WIRING DEVICE AND COVER PLATE SHALL BE REPLACED.
- D. MAINTAIN CONTINUITY OF ALL EXISTING CIRCUITS TO REMAIN OR PORTIONS THEREOF AFFECTED BY THE WORK.
- E. BEFORE DEMOLITION, VERIFY WITH THE OWNER ALL EQUIPMENT TO BE SALVAGED TO OWNER AND NOT REMOVED FROM THE SITE. FOR ALL REMAINING EQUIPMENT INDICATED FOR REMOVAL (AND NOT RELOCATED), REMOVE AND DISPOSE IN A LEGAL MANNER.
- F. EXERCISE CARE IN REMOVING DEMOLITION ITEMS. REPAIR OR REPLACE ALL DAMAGE CAUSED TO EXISTING CONSTRUCTION AND EQUIPMENT TO REMAIN.
- G. DRAWINGS ARE BASED UPON EXISTING PLANS AND FIELD INVESTIGATION WITHOUT DEMOLITION. VISIT THE EXISTING BUILDING AS NECESSARY TO BECOME FAMILIAR WITH ALL EXISTING CONDITIONS AND EXAMINE ALL DRAWINGS TO AVOID CONFLICTS.
- H. DEMOLITION FLOOR PLANS ARE PROVIDED FOR REFERENCE ONLY TO AID IN DEFINING THE SCOPE OF DEMOLITION WORK.

SYSTEM	AFF TOP OF OUTLET	ELECTRICAL SYMBOLS					
	UNLESS NOTED	SYMBOL	DESCRIPTION				
	1' - 8"	-	125V, 3W, 20A, 2P, 1Ø DUPLEX RECEPTACLE, WALL				
	ABOVE COUNTER	° ⊕	125V, 3W, 20A, 2P, 1Ø DUPLEX RECEPTACLE, WALL MOUNT BOTTOM OF OUTLET 2" ABOVE COUNTER BACKSPLASH				
	1' - 8"	G ₩	125V, 3W, 20A, 2P, 1Ø DUPLEX GROUND FAULT RECEPTACLE, WALL				
	ABOVE COUNTER	GC ⊕	125V, 3W, 20A, 2P, 1Ø DUPLEX GROUND FAULT RECEPTACLE, WALL MOUNT BOTTOM OF OUTLET 2" ABOVE COUNTER BACKSPLASH				
	1' - 8"	₩C	125V, 3W, 20A, 2P, 1Ø DUPLEX RECEPTACLE, WALL LOCATED BEHIND THE ELECTRIC WATER COOLER COVER				
	1' - 8"	S ⊕	125V, 3W, 20A, 2P, 1Ø DUPLEX RECEPTACLE, WALL, MOUNTED IN SURFACE RACEWAY				
		EC	DIRECT CONNECTION TO EQUIPMENT				
ICAL ILS	1' - 8"	НВ	RECESSED OUTLET BOX WITH BLANK COVER PLATE				
LECTRIC SYMBOL		⊦B _G	BLANK FACE GFCI OUTLET FOR GFCI PROTECTION OF ELECTRIC WATER COOLER RECEPTACLE, MOUNT 2" BELOW WATER COOLER COVER, SEE SPECIFICATIONS FOR REQUIREMENTS				
ELE SY		0	CEILING OUTLET WITH RECESSED 2'X4' LED FIXTURE				
		· •	CEILING OUTLET WITH SURFACE MOUNT 1'X4' LED FIXTURE				
	4' - 0"	S	LOCAL SWITCH, SINGLE POLE, 120-277V, 20A				
	4' - 0"	s ^M	LOCAL SWITCH, SINGLE POLE, 120-277V, 20A WITH BUILT IN OCCUPANCY SENSOR				
		<u>©</u>	OCCUPANCY SENSOR, CEILING MOUNT				
		B	REMOTE BATTERY PACK				
			LIGHTING CONTROL WIRING				
	7' - 0"		FIRE ALARM SYSTEM AUDIO/VISUAL NOTIFICATION DEVICE, WALL MOUNTED				

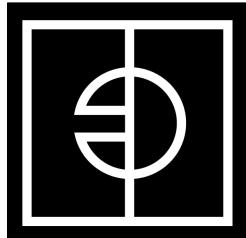
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ELECTRICAL DRAWING INDEX								
SHEET NUMBER	SHEET NAME							
0.01	ELECTRICAL - LEGEND, SCHEDULES & DETAILS							
1 01	FLECTRICAL - PARTIAL FIRST FLOOR PLANS							

LIGHT FIXTURE SCHEDULE										
TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LUMENS	WATTAGE	LAMP TYPE	MOUNTING	REMARKS		
А	1'X4' SURFACE MOUNT FLAT PANEL LED FIXTURE WITH SELECTABLE LUMEN LEVEL AND SELECTABLE COLOR TEMPERATURE, DIRECT CEILING MOUNT KIT	LITHONIA	CPANL-1X4-ALO1-SWW7-M4-DCMK14	4400	41	LED	SURFACE	1,2,3		
В	2'X4' RECESS MOUNT FLAT PANEL LED FIXTURE WITH SELECTABLE LUMEN LEVEL AND SELECTABLE COLOR TEMPERATURE	LITHONIA	CPANL-2X4-ALO6-SWW7-M2	6000	55	LED	FLUSH	2,3		

LIGHT FIXTURE SCHEDULE REMARKS:

- 1. PROVIDE BATTERY PACK FIELD INSTALLATION KIT #ILBLP-CP10-HE-SD-A ON FIXTURES WHERE BATTERY PACK IS SHOWN ON THE DRAWINGS. WHERE CEILINGS ARE INACCESSIBLE, COORDINATE INSTALLATION OF REMOTE BATTERY PACKS WITH ACCESS DOORS SHOWN ON THE ARCHITECTURAL PLANS.
- 2. SELECT FIXTURE TEMPERATURE TO MATCH EXISTING FIXTURES.
- SELECT HIGH LUMEN SETTING.



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PC: 23041

GYM BATHROOM

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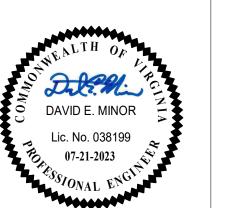
WORKING DRAWINGS

REVISIONS
DATE DESCRIPTION

ELECTRICAL -LEGEND, SCHEDULES & DETAILS

PROJ. NO.: 236007 DATE: 07/21/23

DRAWN BY: Author



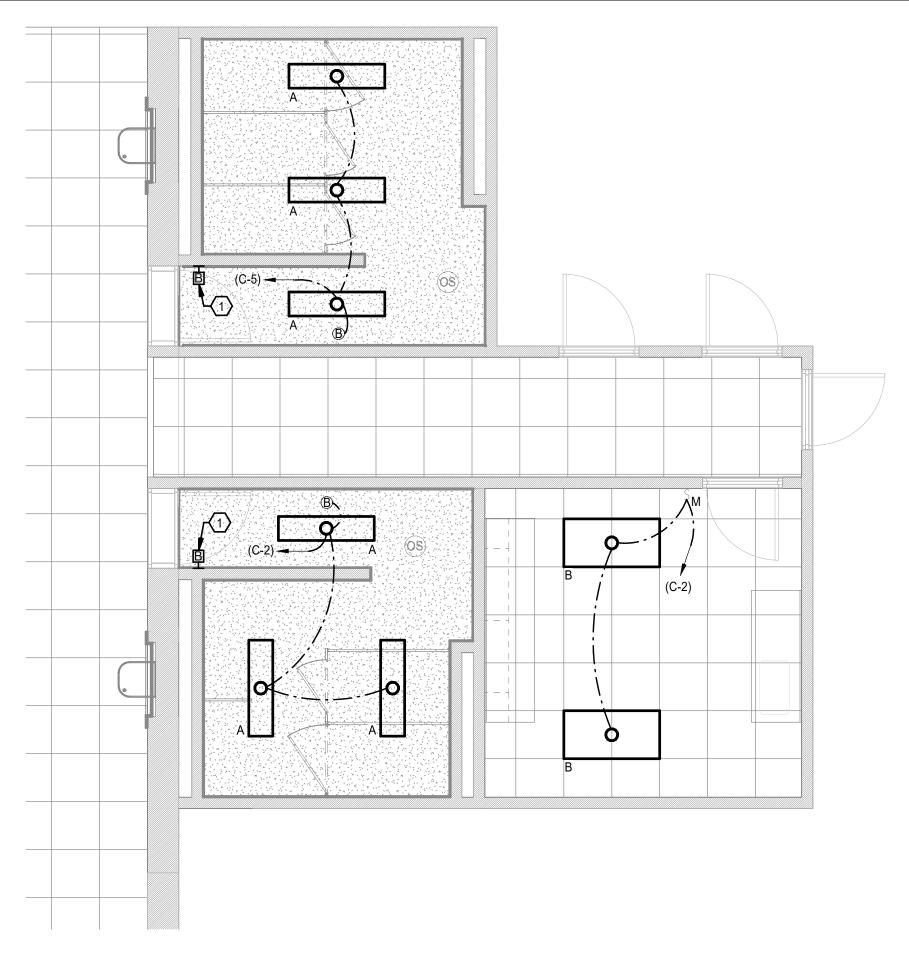
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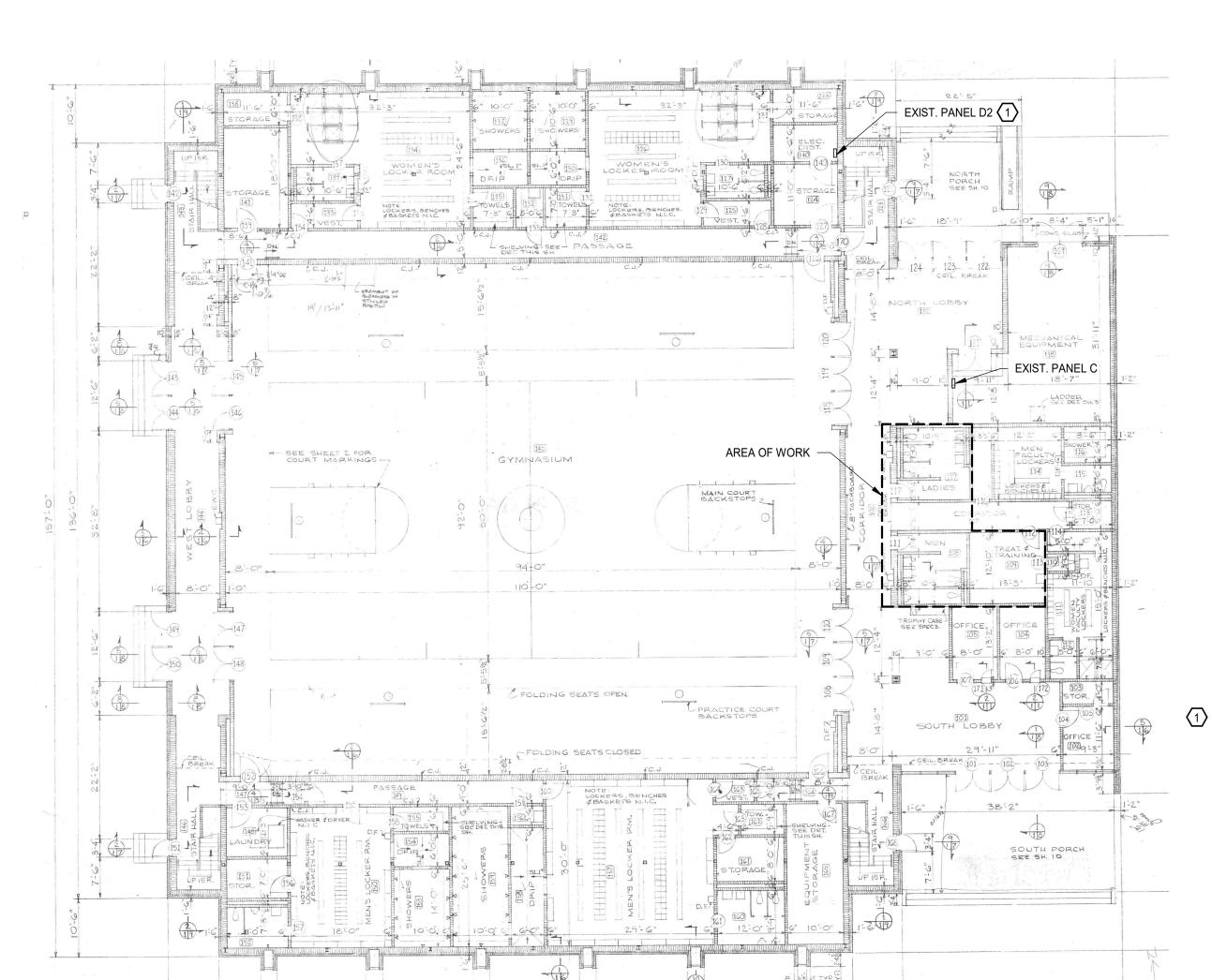
PROVIDE BLANK FACE ON EXISTING RECESSED OUTLET BOX AFTER REMOVAL OF SWITCH.

LIGHTING PLAN GENERAL NOTES:

1. INSTALL ALL NEW LIGHT FIXTURES IN THE SAME LOCATIONS AS THE REMOVED LIGHT FIXTURES. CONNECT NEW LIGHT FIXTURES TO EXISTING LIGHTING CIRCUITS.

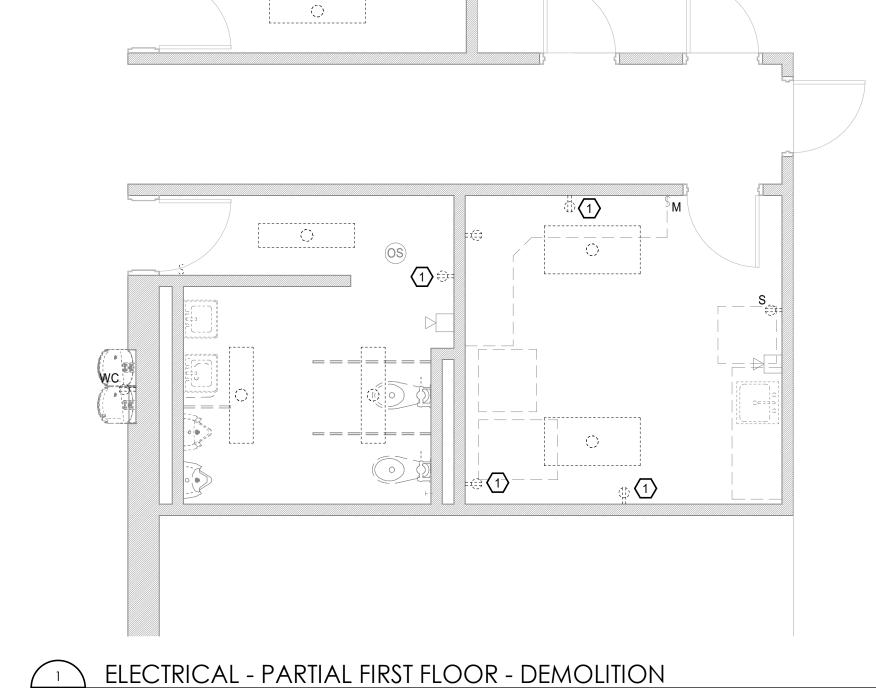


ELECTRICAL - PARTIAL FIRST FLOOR - LIGHTING



DEMOLITION PLAN REFERENCE NOTES:

REPLACE EXISTING RECEPTACLE WITH NEW RECEPTACLE SHOWN ON PARTIAL FIRST FLOOR - POWER PLAN IN CURRENT LOCATION AND CONNECT TO EXISTING CIRCUIT.



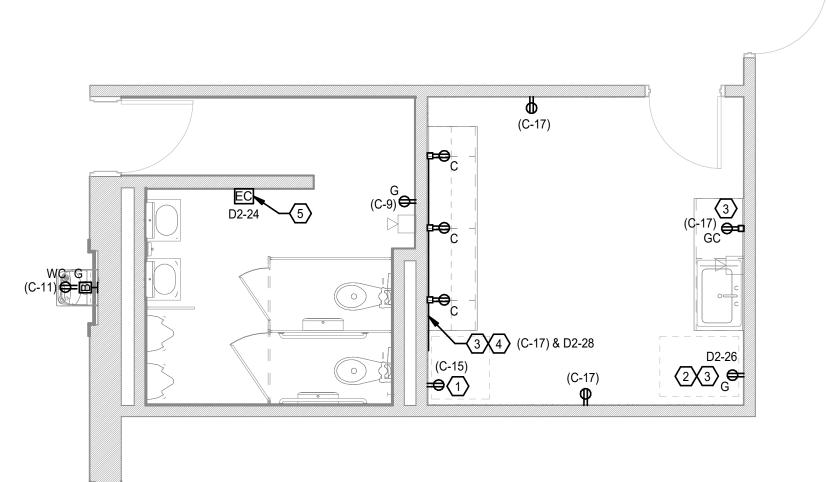
GENERAL NOTES:

1. EXISTING CIRCUIT NUMBERS ARE SHOWN IN PARENTHESIS (NEW CIRCUITS ARE NOT IN PARENTHESIS) AND ARE BASED ON INFORMATION SHOWN ON EXISTING DRAWINGS. VERIFY EXISTING CIRCUIT NUMBERS SHOWN IN THE FIELD PRIOR TO BEGINNING WORK.

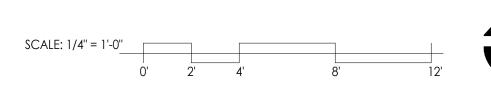
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POWER PLAN REFERENCE NOTES:

- 1 RECEPTACLE IS DESIGNATED FOR REFRIGERATOR.
- 2 RECEPTACLE IS DESIGNATED FOR ICEMAKER.
- WIRING AND OUTLETS MAY BE INSTALLED IN SURFACE RACEWAY, SEE SPECIFICATIONS, SHEET E0.01 FOR SURFACE RACEWAY REQUIREMENTS.
- RECEPTACLES ABOVE COUNTER SHALL BE CONNECTED TO EXISTING CIRCUIT C-17 AND NEW CIRCUIT D2-28. D2-28 SHALL SUPPLY THE RECEPTACLE DESIGNATED FOR POWERING THE COUNTER MOUNTED MICROWAVE AND C-17 SHALL SUPPLY THE REMAINING RECEPTACLES. VERIFY WHICH OF THE RECEPTACLES IS DESIGNATED FOR THE MICROWAVE WITH THE OWNER PRIOR TO INSTALLATION.
- 5 PROVIDE CIRCUIT SHOWN TO NEW HAND DRYER.



ELECTRICAL - PARTIAL FIRST FLOOR - POWER



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BATHROOM GYM

RBC

WORKING DRAWINGS

REVISIONS # DATE DESCRIPTION

ELECTRICAL -PARTIAL FIRST FLOOR PLANS

PROJ. NO.: 236007 DATE: 07/21/23 DRAWN BY: Author



OVERALLPLAN REFERENCE NOTES:

PROVIDE FOUR (4) 1-POLE, 20 AMP CIRCUIT BREAKERS IN EMPTY SPACES 22, 24, 26, & 28 IN EXISTING PANEL D2 TO SERVE NEW LOADS SHOWN ON PARTIAL FIRST FLOOR - POWER. PANEL D2 IS A SQUARE D 3-PHASE, 120/208V, 100 AMP TYPE NQ PANELBOARD. NEW BREAKERS SHALL MATCH EXISTING.

