

COLLEGE HILL WATER TREATMENT PLANT INTERIOR RENOVATIONS

CITY PROJECT NO. 11030-BG
LYNCHBURG, VIRGINIA



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DRAWING LIST

CS1.1	COVER SHEET
A1.1	PHASE PLAN, THIRD FLOOR DEMO PLAN, FLOOR PLAN, RCP & MISC.
A1.2	PHASE PLAN & SECOND FLOOR DEMOLITION PLAN
A1.3	SECOND FLOOR PLAN, SCHEDULES, AND DETAILS
A1.4	SECOND FLOOR RCP & INTERIOR ELEVATIONS
MP1.0	MECHANICAL & PLUMBING LEGEND, NOTES & ABBREVIATIONS
M1.1	MECHANICAL SECOND & THIRD FLOOR
P1.1	PLUMBING THIRD FLOOR
P1.2	PLUMBING SECOND FLOOR
E0.1	LEGEND, NOTES & ABBREVIATIONS
E1.1	LIGHTING & FIRE ALARM-EXISTING CONDITIONS
E1.2	LIGHTING & FIRE ALARM REWORKED CONDITIONS
E1.3	LIGHTING & FIRE ALARM REWORKED CONDITIONS TRAINING ROOM
E2.1	POWER-EXISTING CONDITIONS
E2.2	POWER-REWORKED CONDITIONS

BUILDING CODE INFORMATION

BUILDING CODE STUDY DATA

1. APPLICABLE CODES:

A) Building Code	Virginia Uniform Statewide Building Code(USBC)-2012 Edition*
B) International Mechanical Code	IMC-2012
C) International Standard Plumbing Code	IPC-2012
D) National Electrical Code/NFPA	NEC-2011
E) Accessibility Requirements	ICC/ANSI A117.1-09 "Accessible and Usable Buildings and Facilities", 2009

*International Building Code is referenced into the USBC, therefore IBC 2012 Sections are listed herein.

2. BUILDING USE, CONSTRUCTION CLASSIFICATION & HEIGHT

Use Groups: Business

Type of Construction (IBC Table 503): 1B

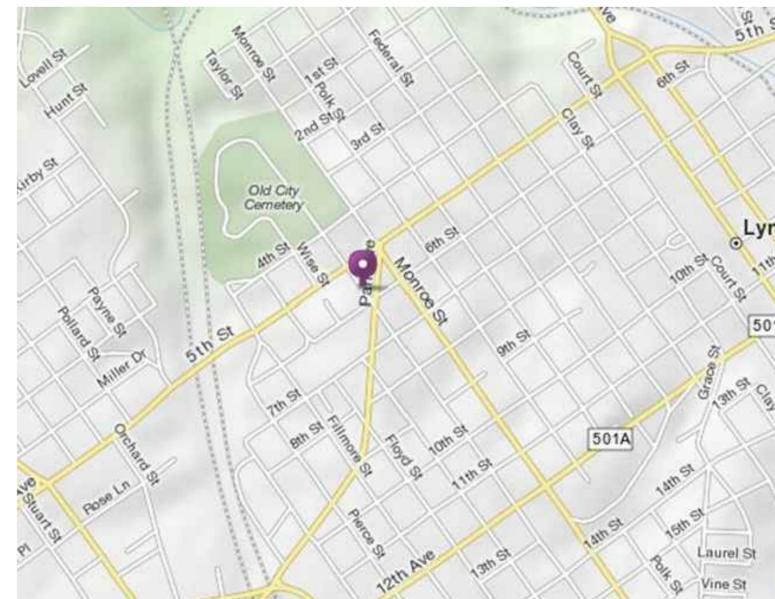
*NOTE: Any change that affects the Life Safety aspect is shown on the A1.1 drawing, otherwise project scope involves upgrades to HVAC, electrical lighting/power (meet current code requirements and regulations) and architectural finishes.



SITE MAP



NORTH



VICINITY MAP



NORTH

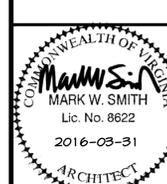
ABBREVIATIONS

AB ANCHOR BOLT	DET DETAIL(ED)	GRG GRATING	LLV LONG LEG VERTICAL	PLYND PLYWOOD	STC SOUND TRANSMISSION COEFFICIENT
ABV ABOVE	DIA DIAMETER	GRB GYPSUM WALLBOARD	LOC LOCATION	PNLS PANELING	STD STANDARD
ACST ACOUSTIC	DIAG DIAGONAL, DIAGRAM	GYP GYPSUM	LONG LONGITUDINAL	PR PAIR	STL STEEL
ACT ACoustical CEILING TILE	DM DIMENSION	LFT LOW POINT	HGT HEIGHT, HIGH	PSF POUNDS PER SQUARE FOOT	STO STORAGE
AFB ABOVE FINISHED FLOOR	DK DECK	MACH MACHINE	HB HOSE BIBB	PSI POUNDS PER SQUARE INCH	STRUCT STRUCTURAL
AGGR AGGREGATE	DN DOWN	MAS MASONRY	HBD HARDBOARD	PT PRESURE TREATED, POINT, POINT OF TANG.	SUSP SUSPENDED(S)
AHR ANCHOR	DOH DOOR OPENING HEIGHT	MATL MATERIAL	HC HANDICAPPED	PTD PAINTED	SYM SYMMETRICAL
AL ALUMINUM	DOH DOOR OPENING HEIGHT	MAX MAXIMUM	HWN HARDWARE	PTN PARTITION	SYS SYSTEM
APC ARCHITECTURAL PRECAST	DP DRAINAGE	MCT MARBLE COMPOSITE TILE	HWD HARDWOOD	PVC POLYVINYL CHLORIDE, POINT OF VERTICAL CURVE	TEL TELEPHONE
APPROX APPROXIMATE	DR DOOR	MDF MEDIUM DENSITY FIBERBOARD	HMT HOLLOW METAL	QT QUARRY TILE	T&G TONGUE AND GROOVE
ARCH ARCHITECTURAL	DS DOWNSPOUT	MEGH MEDIUM DENSITY FIBERBOARD	HML HOLLOW METAL	R RADIUS, REACTION, RISER, RESISTANCE	TK THICK(NESS)
AVG AVERAGE	DN6 DRAWING	MEZZ MEZZANINE	HMD HOLLOW METAL DOOR	RA RETURN AIR	THR THRESHOLD
BD BOARD	EA EACH	MFR MANUFACTURER	HMF HOLLOW METAL FRAME	RAF RESILIENT ATHLETIC FLOORING	TOJ TOP OF JOIST
BET BETWEEN	EIFS EXTERIOR INSULATION FINISH SYSTEM	MIN MINIMUM	HRH HORIZONTAL	RCP REFLECTED CEILING PLAN	TOT TOTAL
BLDG BUILDING	EJ EXPANSION JOINT	MISC MISCELLANEOUS	HFT HIGH POINT	RCP REFLECTED CEILING PLAN	TRE TREAD
BLK BLOCKING	EL ELEVATION	MO MASONRY OPENING	HR HANDRAIL	RD ROOF DRAIN	TRD TREAD
BM BEAM	ELEC ELECTRICAL	MOH MASONRY OPENING HEIGHT	HT HEIGHT	REF REFERENCE	TRTD TREATED
BOT BOTTOM	ELEV ELEVATOR, ELEVATION	MON MASONRY OPENING WIDTH	HVAC HEATING, VENTILATING & AIR CONDITIONING	REINF REINFORCE(MENT) (ING)	T'STAT THERMOSTAT
BRG BEARING	ENCL ENCLOSE(URE)	MR MOISTURE RESISTANT	HN HOT WATER	REQD REQUIRED	TYP TYPICAL
BRU BUILT-UP ROOF (ING)	EQPT EQUIPMENT	MT MOUNT	ID INSIDE DIAMETER	REQD REQUIREMENT(S)	UN UNLESS OTHERWISE NOTED
C/G CENTER TO CENTER	ENG ENGINEERING	MTL METAL	IN INCH	REIL RESILIENT	UTIL UTILITY
CLP CAST-IN-PLACE, CAST IRON PIPE	ENC ELECTRICAL WATER COOLER	INSTL INSTALL(ED)	INCL INCLUSIVE	RET RETURN	VCT VINYL COMPOSITION TILE
CJ CONTROL JOINT	EXH EXHAUST	INSTR INSTRUMENT	INTD INTERMEDIATE	REV REVERSE ACTING, REVISED, REVISION	VENT VENTILATE
CL CENTER LINE	EXIST EXISTING	INSUL INSULATE(ED) (ING) (ION)	INTD INTERMEDIATE	RF RETURN FAN, ROOF	VERT VERTICAL
CFS COLD FORMED STEEL	EXP EXPOSED	INT INTERIOR	INTD INTERMEDIATE	RG RETURN GRILLE	VEST VESTIBULE
CFMF COLD FORMED METAL FRAMING	EXN EXPANSION	NO NUMBER	NOH NOMINAL	RM ROOM	VIF VERIFY IN FIELD
CL6 CEILING	EXT EXTERIOR	NSI NONSLIP TREAD	NSI NONSLIP TREAD	RO ROUGH OPENING	VNR VENEER
CLR CLEAR	FLW FLASHING & KEEPS	NTS NOT TO SCALE	NTS NOT TO SCALE	RJ ROLL UP	VTR VENT THRU ROOF
CMU CONCRETE MASONRY UNIT	FD FLOOR DRAIN	OAH OVERALL HEIGHT	OAH OVERALL HEIGHT	S SOLID, SOUTH, SWITCH	VWC VINYL WALL COVERING
COL COLUMN	FDN FOUNDATION	OAN OVERALL WIDTH	OAN OVERALL WIDTH	SCF STEEL CHANNEL FRAME	W/ WITH
COMP COMPOSITE	FIN FINISH(ED)	OC ON CENTER	OC ON CENTER	SCHED SCHEDULE	WC WATER CLOSET, WATER COLUMN
CONG CONCRETE, CONCENTRATED	FL FLOOR	OD OUTSIDE DIAMETER	OD OUTSIDE DIAMETER	SECT SECTION	WD ROOF
CONN CONNECT(ED), CONNECTION	FRP FIBERGLASS REINFORCED POLYESTER	OFI OWNER FURNISHED CONTRACTOR INSTALLED	OFI OWNER FURNISHED CONTRACTOR INSTALLED	SF SQUARE FEET (FOOT)	W/O WITHOUT
CONSTR CONSTRUCTION	FT FOOT(FEET)	OFF OFFICE	OFF OFFICE	SG SUPPLY GRILLE	WOH WINDOW OPENING HEIGHT
CONT CONTINUATION, CONTINUOUS, CONTROL	FRT FIRE RETARDANT TREATED	OH OVERHEAD	OH OVERHEAD	SGF STRUCTURAL GLAZED FACING UNITS	WON WINDOW OPENING WIDTH
CONTR CONTRACT, CONTRACTOR, CONTROL	COORD COORDINATE	OPN OPENING	OPN OPENING	SH SHEET	WP WEATHERPROOF, WORKING POINT
COORD COORDINATE	CORR CORRUGATED	OPP OPPOSITE	OPP OPPOSITE	SIM SIMILAR	WRWB WATER RESISTANT GYPSUM WALLBOARD
CORR CORRUGATED	CT CERAMIC TILE	OUT OUT TO OUT	OUT OUT TO OUT	SMT SEALANT	W/SCOT WAINSCOT
CT CERAMIC TILE	GAL GALLON	PI PERIMETER INSULATION	PI PERIMETER INSULATION	PL PLATE	W/F WELDED WIRE FABRIC
CTR CENTER	GALV GALVANIZED	PL PLATE	PL PLATE	PLAM PLASTIC LAMINATE	W/ NEST
CTSK COUNTERSUNK	GL GLASS	PLAM PLASTIC LAMINATE	PLAM PLASTIC LAMINATE	PLAS PLASTER	
DBL DOUBLE					
DEPT DEPARTMENT					

SYMBOL LEGEND

	PRE CAST ARCHITECTURAL CONCRETE "APC"		FINISH WOOD
	GYPSUM WALLBOARD		PLYWOOD
	BRICK OR MASONRY VENEER		CONCRETE
	CONCRETE MASONRY UNITS "CMU"		CRUSHED STONE BASE MATERIAL
	RIGID INSULATION		EARTH
	BATT INSULATION		STEEL
	KEY NOTE TAG		ELEVATION MARKER
	WALL TYPE TAG		DOOR TAG
	HORIZONTAL BLIND		INTERIOR ELEVATION MARKER
	SECTION REFERENCE SYMBOL		DETAIL REFERENCE SYMBOL

COLLEGE HILL
WATER TREATMENT PLANT
INTERIOR RENOVATIONS
PROJECT NO: 11119 CITY PROJECT NO. 11030-BG
LYNCHBURG, VA.



DESIGNED: MWS
DRAWN: TCC,BLS
CHECKED: MWS
DATE: 2016-03-31
REVISIONS:

COVER SHEET

CS1.1

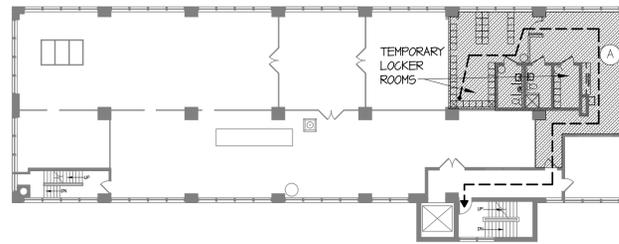
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SEQUENCE OF PHASE WORK

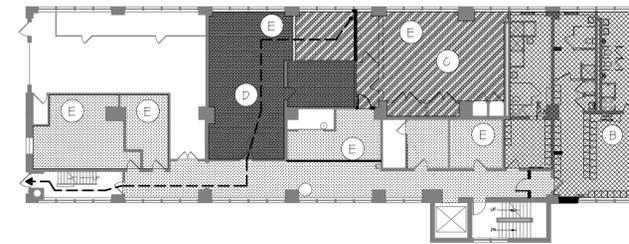
- PHASE A (SEE 1/A1.1):** THIRD FLOOR TEMPORARY LOCKER ROOMS AND NEW TOILET/SHOWER ROOMS (PREVIOUS METER SHOP)
 - THIS PHASE IS TO BE COMPLETED FIRST. ALLOWING THE SECOND FLOOR LOCKER AND TOILET AREAS TO BE TEMPORARILY RELOCATED FOR NEXT CONSTRUCTION PHASE B.
 - OWNER RESPONSIBILITY: TO COORDINATE W/ G.C. AND PROVIDE A LIST OF ITEMS TO BE RELOCATED AND/OR DISPOSED OF.
- PHASE B (SEE 2/A1.1):** SECOND FLOOR MEN'S AND WOMEN'S LOCKER ROOMS AND TOILET/SHOWER ROOMS
 - THIRD FLOOR LOCKER OCCUPANCY WILL RELOCATE BACK TO SECOND FLOOR UPON COMPLETION OF PHASE E. CONTRACTOR TO COORDINATE WITH OWNER ON REMOVAL OF TEMPORARY WALLS, FINISHES AND OTHER ITEMS WITH IN TEMPORARY LOCKER ROOM.
 - OWNER RESPONSIBILITY: TO COORDINATE W/ G.C. AND PROVIDE A LIST OF ITEMS TO BE RELOCATED AND/OR DISPOSED OF.
- PHASE C (SEE 2/A1.1):** TRAINING/ CONF. ROOM-TEMPORARY PARTITION SHALL BE CONSTRUCTED IN CORRIDOR 216 (AS SHOWN ON 2/A1.1). DEMOLITION AND CONSTRUCTION SHALL OCCUR IN ROOM 209
 - OWNER RESPONSIBILITY: TO COORDINATE RELOCATION OF ITEMS SUCH AS DESKS, CHAIRS, ETC. FROM CONSTRUCTION AREA.

- PHASE D (SEE 2/A1.1):** UTILITY LINE MAINTENANCE OFFICES
 - THESE OFFICE SPACES WILL RELOCATED WHILE DEMOLITION AND CONSTRUCTION OCCURS IN ROOM 209
 - OWNER RESPONSIBILITY: TO COORDINATE RELOCATION OF ITEMS SUCH AS DESKS, CHAIRS, FILE CABINETS ETC. FROM CONSTRUCTION AREA.
- PHASE E (SEE 2/A1.1):**
 - FLOOR REPLACEMENT WILL UNDERGO IN AREAS AS SHOWN ON PHASE PLAN 1/A1.1 & 2/A1.1. AS WELL AS IN PREVIOUS PHASES (A,B,C, D-SEE FLOOR PLANS)

NOTE: TRAVEL DISTANCE HAS BEEN MODIFIED FROM EXISTING SHOP AREA TO A PROPOSED TEMPORARY LOCKER ROOM (USED WHILE LOCKER ROOM RENOVATION TAKES PLACE ON SECOND FLOOR) NEW TRAVEL DISTANCE TO EXIT 15 125 FEET.



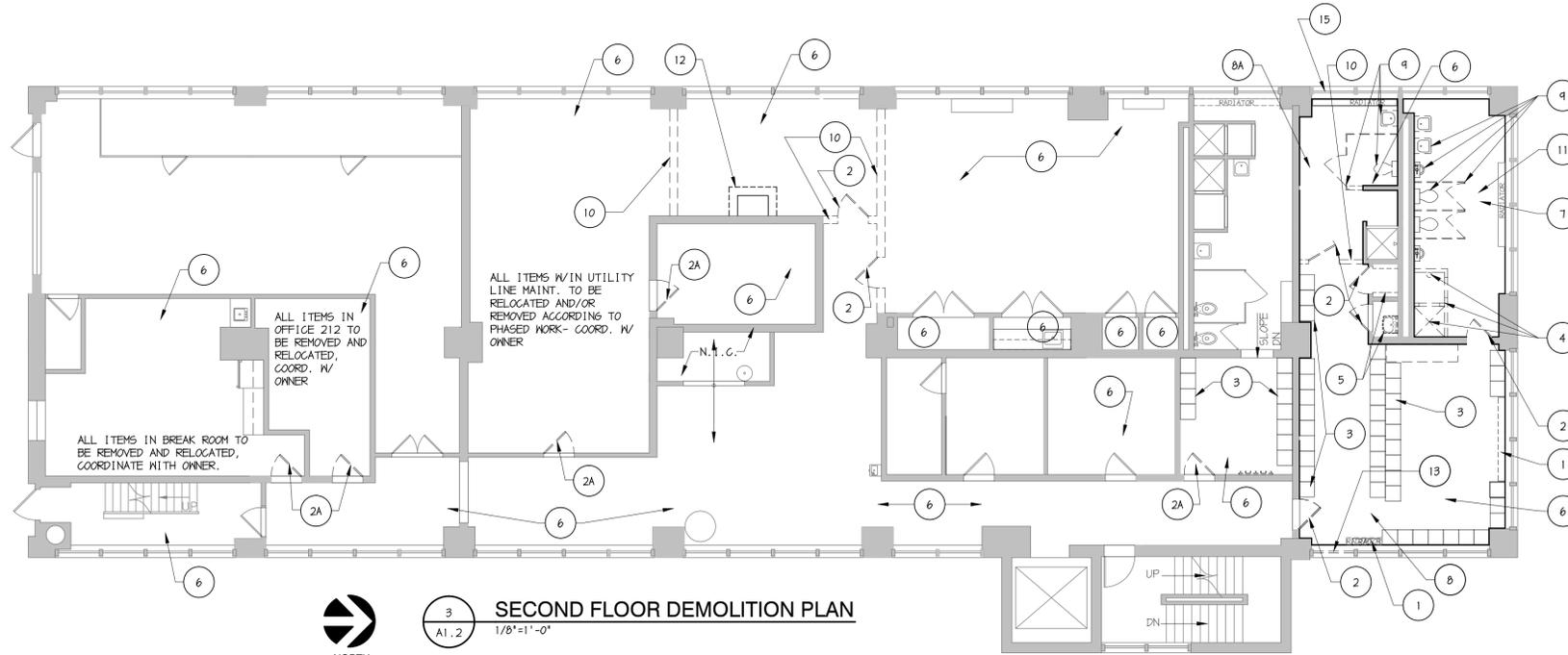
1 THIRD FLOOR PHASE PLAN
A1.2 1"=20'-0"



2 SECOND FLOOR PHASE PLAN
A1.2 1"=20'-0"

KEY NOTES

- 1 REMOVE EXISTING RADIATOR AND REPLACE WITH NEW WHERE SHOWN
- 2 REMOVE EXISTING DOOR AND FRAME
- 2A REMOVE DOOR, FRAME TO REMAIN.
- 3 G.C. TO RELOCATE EXISTING LOCKERS TO TEMPORARY MEN'S & WOMEN'S LOCKER ROOM ON THIRD FLOOR
- 4 REMOVE EXISTING WALLS OF SHOWER. REMOVE EXISTING SHOWER RECEPTOR. PREPARE FLOOR TO MAKE LEVEL WITH EXIST. ADJACENT AND TO RECEIVE NEW WATER CLOSET.
- 5 REMOVE EXISTING SINK, SHELVING AND ANY OTHER ITEMS MOUNTED ON WALLS.
- 6 REMOVE EXISTING VGT FLOORING AND VINYL BASE.
- 7 EXISTING CERAMIC TILE FLOOR TO REMAIN. NEW FLOOR TO BE OVERLAID. CUT OUT EXISTING CURVED NOSING TO RECEIVE NEW BASE. SEE DETAIL 11/A1.4.
- 8 REMOVE EXISTING CEILING.
- 8A REMOVE EXISTING 2x4 CEILING. SALVAGE 2x4 TILE TO REUSE WITHIN WOMEN'S LOCKER ROOM & TOILET ROOM.
- 9 REMOVE EXISTING TOILET PARTITIONS, PLUMBING FIXTURES, AND ACCESSORIES. WATER SUPPLY AND DRAINING TO REMAIN. REMARK AS NEEDED FOR NEW FIXTURES.
- 10 REMOVE EXISTING WALL AS SHOWN. PATCH AND REPAIR EXISTING ADJACENT WALLS.
- 11 REMOVE SUSPENDED PLASTER CL6.
- 12 PROVIDE DUST-PROOF ENCLOSURE FOR COMPUTER SERVER DURING CONSTRUCTION.
- 13 REMOVE EXISTING METAL WINDOW UNIT. PREPARE OPENING TO RECEIVE NEW LOUVER, SEE MECHANICAL.
- 14 REMOVE EXISTING BASE AND WALL CABINETS. SEE PLUMBING DRAWINGS FOR ADDITIONAL DEMOLITION WORK.
- 15 REMOVE EXISTING GLASS PANEL FROM UPPER PORTION OF EXISTING WINDOW UNIT. REPLACE WITH LOUVER, SEE MECHANICAL DRAWINGS.



3 SECOND FLOOR DEMOLITION PLAN
A1.2 1/8"=1'-0"

GENERAL DEMOLITION NOTES

1. MEN'S AND WOMEN'S LOCKER ROOMS: REMOVE AND CLEAR OUT ALL MISC. ITEMS, SUCH AS LAUNDRY BARRELS, WALL MIRRORS, TRASH CANS, ETC. - COORDINATE WITH OWNER ON RELOCATION TO THIRD FLOOR.
2. ALL BLOCK WALL TILE TO REMAIN IN MEN'S SHOWER & WOMEN'S LOCKER AND TOILET SPACES. SEE FINISH SCHEDULE FOR NEW WALL FINISHES & TYPES.
3. SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR ADDITIONAL DEMOLITION WORK.

NOTE: TRAVEL DISTANCE HAS BEEN MODIFIED FROM EXISTING OFFICE TO A PROPOSED OFFICE. NEW TRAV DISTANCE TO EXIT 15 112 FEET. ALL OTHER AREAS REMAIN THE SAME.



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COLLEGE HILL WATER TREATMENT PLANT INTERIOR RENOVATIONS

LYNCHBURG, VA. PROJECT NO: 11119 CITY PROJECT NO. 11080-BG



MARK W. SMITH
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2016-03-31
ARCHITECT

DESIGNED: TCC
DRAWN: TCC,BLS
CHECKED: MWS
DATE: 2016-03-31
REVISIONS:

PHASE PLAN & SECOND FLOOR DEMOLITION PLAN

A1.2



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COLLEGE HILL
WATER TREATMENT PLANT
INTERIOR RENOVATIONS
LYNCHBURG, VA. PROJECT NO: 1119 CITY PROJECT NO. 11030-BG

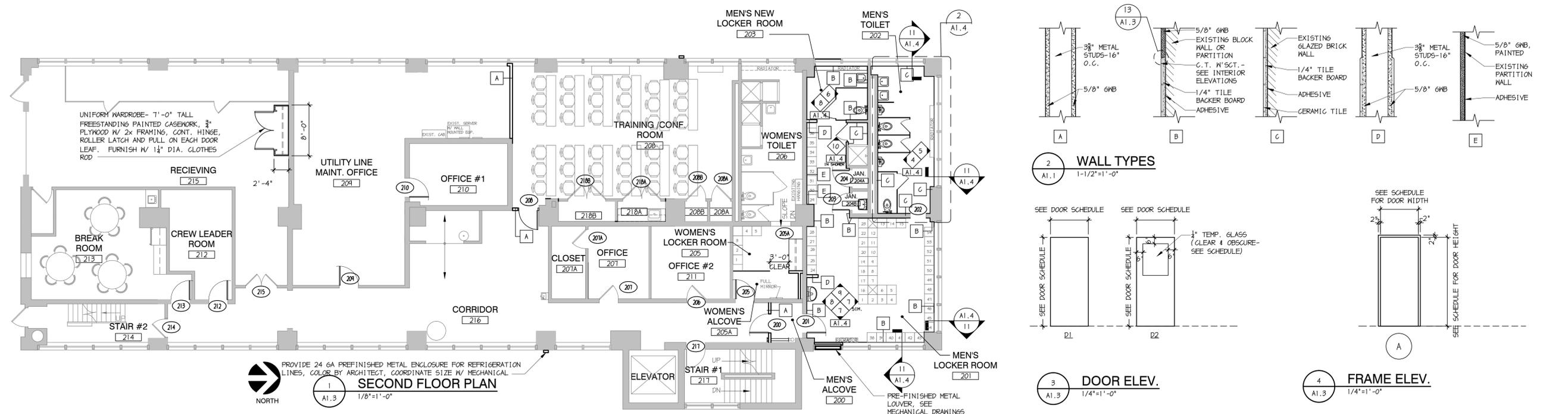


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2016-03-31

DESIGNED: MWS
DRAWN: TCC, BLS
CHECKED: MWS
DATE: 2016-03-31
REVISIONS:

SECOND FLOOR PLANS SCHEDULES & DETAILS

A1.3



PROVIDE 24 GA PREFINISHED METAL ENCLOSURE FOR REFRIGERATION LINES, COLOR BY ARCHITECT, COORDINATE SIZE W/ MECHANICAL
NORTH
1
A1.3
1/8"=1'-0"

2 WALL TYPES
A1.1 1-1/2"=1'-0"

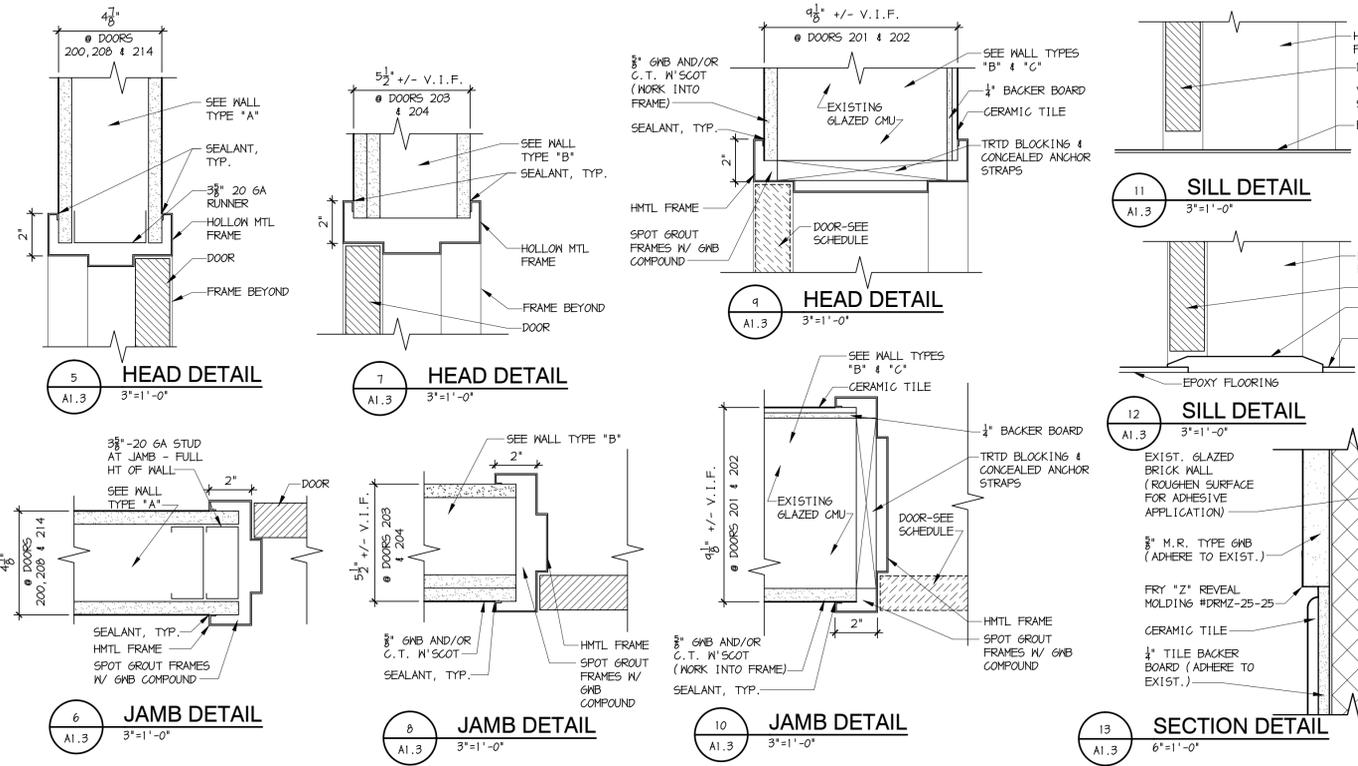
3 DOOR ELEV.
A1.3 1/4"=1'-0"

4 FRAME ELEV.
A1.3 1/4"=1'-0"

OPENING SCHEDULE

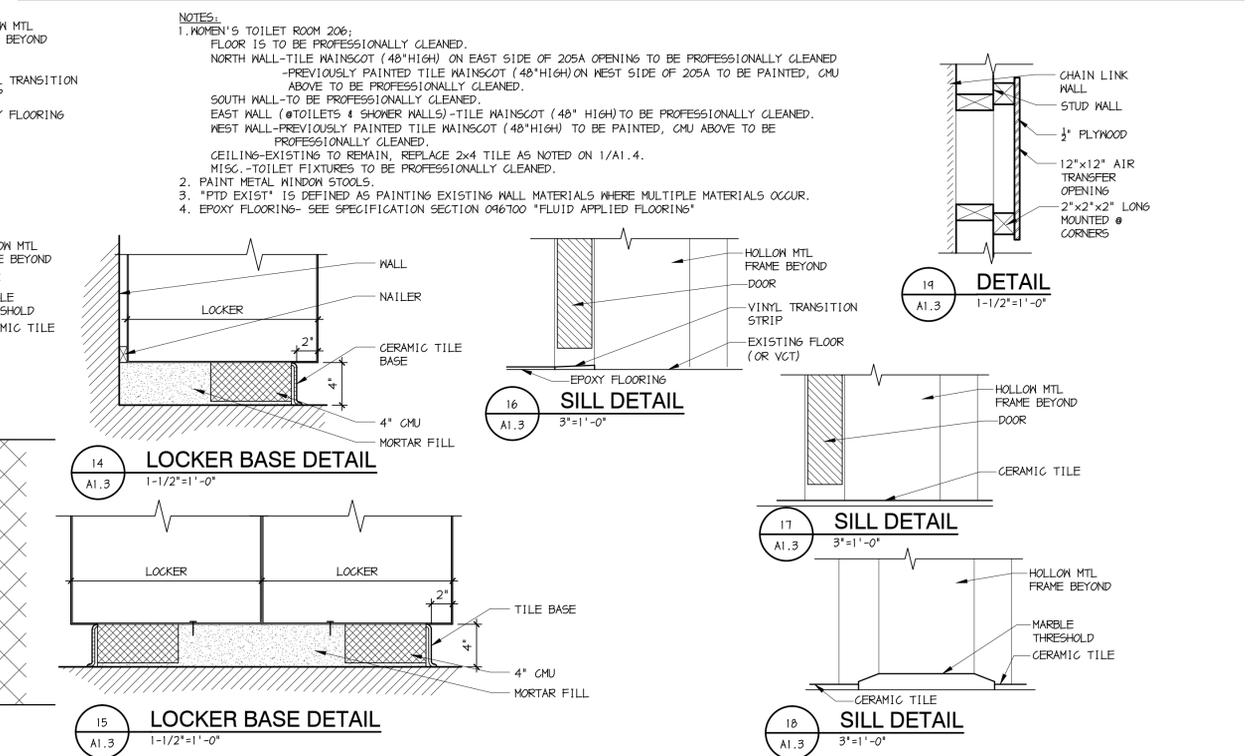
Tag	Opening					Frame		Fire Rating	Glass	Details			Hardware Set No.	Remarks	
	Width	Height	Thick	Mat'l	Finish	Elev	Mat'l			Elev	H	J			S
200	3'-0"	7'-0"	1-3/4"	MD	STAIN	D2	PTD HTML	A	---	OBSCURE	5/A1.3	6/A1.3	11/A1.3	1	---
201	3'-0"	7'-0"	1-3/4"	MD	STAIN	D2	PTD HTML	A	---	OBSCURE	4/A1.3	10/A1.3	12/A1.3	1	EXIST. OPENING-V. I.F.
202	2'-6"	6'-0"	1-3/4"	MD	STAIN	D1	PTD HTML	A	---	---	7/A1.3	8/A1.3	17/A1.3	21	EXIST. OPENING-V. I.F.
203	2'-6"	6'-0"	1-3/4"	MD	STAIN	D1	PTD HTML	A	---	---	7/A1.3	8/A1.3	17/A1.3	21	EXIST. OPENING-V. I.F.
204	2'-6"	6'-0"	1-3/4"	MD	STAIN	D1	PTD HTML	A	---	---	7/A1.3	8/A1.3	17/A1.3	21	EXIST. OPENING-V. I.F.
205	3'-0"	6'-0"	1-3/4"	MD	STAIN	D1	EXISTING	---	---	---	---	---	---	---	PAINT EXIST. FRAME-INSTALL NEW DOOR (REVERSE SKING)
205A	3'-2"	6'-0"	1-3/4"	MD	STAIN	D1	EXISTING	---	---	---	---	---	---	---	EXIST CAGED OPENING TO BE PAINTED
206	EXIST. OPNG	EXIST. OPNG	---	---	---	---	EXISTING	---	---	---	---	---	---	---	PAINT EXIST. FRAME AND EXIST. DOOR
207	EXIST. OPNG	EXIST. OPNG	---	---	---	---	EXISTING	---	---	---	---	---	---	---	PAINT EXIST. FRAME AND EXIST. DOOR
207A	EXIST. OPNG	EXIST. OPNG	---	---	---	---	EXISTING	---	---	---	---	---	---	---	PAINT EXIST. FRAME AND EXIST. DOOR
208	3'-0"	7'-0"	1-3/4"	MD	STAIN	D2	PTD HTML	A	---	CLEAR	5/A1.3	6/A1.3	11/A1.3	6	---
208A	EXIST. OPNG	EXIST. OPNG	---	---	---	---	EXISTING	---	---	---	---	---	---	---	PAINT EXIST. FRAME AND EXIST. DOOR
208B	EXIST. OPNG	EXIST. OPNG	---	---	---	---	EXISTING	---	---	---	---	---	---	---	PAINT EXIST. FRAME AND EXIST. DOOR
209	3'-0"	6'-0"	1-3/4"	MD	STAIN	D2	EXISTING	---	---	CLEAR	---	---	---	10	PAINT EXIST. FRAME-INSTALL NEW DOOR
210	3'-0"	6'-0"	1-3/4"	MD	STAIN	D2	EXISTING	---	---	OBSCURE	---	---	---	10	PAINT EXIST. FRAME-INSTALL NEW DOOR
211	NUMBER NOT USED	---	---	---	---	---	---	---	---	---	---	---	---	---	---
212	3'-0"	6'-0"	1-3/4"	MD	STAIN	D2	EXISTING	---	---	---	---	---	---	10	PAINT EXIST. FRAME-INSTALL NEW DOOR
213	3'-0"	6'-0"	1-3/4"	MD	STAIN	D2	EXISTING	---	---	---	---	---	---	1	PAINT EXIST. FRAME-INSTALL NEW DOOR
214	EXIST. OPNG	EXIST. OPNG	---	---	---	---	EXISTING	---	---	---	---	---	---	---	PAINT EXIST. FRAME AND EXIST. DOOR
215	EXIST. OPNG	EXIST. OPNG	---	---	---	---	EXISTING	---	---	---	---	---	---	---	PAINT EXIST. FRAME AND EXIST. DOOR
216	NUMBER NOT USED	---	---	---	---	---	---	---	---	---	---	---	---	---	---
217	EXIST. OPNG	EXIST. OPNG	---	---	---	---	EXISTING	---	---	---	---	---	---	---	PAINT EXIST. FRAME AND EXIST. DOOR
218A	EXIST. OPNG	EXIST. OPNG	---	---	---	---	EXISTING	---	---	---	---	---	---	---	PAINT EXIST. FRAME AND EXIST. DOOR
218B	EXIST. OPNG	EXIST. OPNG	---	---	---	---	EXISTING	---	---	---	---	---	---	---	PAINT EXIST. FRAME AND EXIST. DOOR

NOTES:
1. USE FULLY WELDED FRAMES AT NEW WALLS & K.D. AT EXISTING WALLS.
2. PAINT ALL METAL DOORS & FRAMES.



FINISH SCHEDULE

Tag	Space Name	Floor	Base	North Wall	South Wall	East Wall	West Wall	Ceiling	Ceiling Height	Remarks
200	MEN'S ALCOVE	EPOXY FLOORING	VINYL	PTD EXIST	PTD GNB	PTD EXIST	PTD EXIST	ACT. TILE	9'-0"	---
201	MEN'S LOCKER ROOM	C.T.	C.T.	C.T. N' SGT	GT MISC/GNB	C.T. N' SGT	GT MISC/GNB	ACT. TILE	9'-0"	---
202	MEN'S TOILET	C.T.	C.T.	C.T.	C.T.	C.T.	C.T.	ACT. TILE	9'-0"	---
203	MEN'S NEW LOCKER ROOM	C.T.	C.T.	GT MISC/GNB	GT MISC/GNB	N/A	C.T. N' SGT	ACT. TILE	8'-0"	G.T. TO GL6. 1/16" SHOWER & DRYING AREA
204A	JANITOR'S CLOSET	C.T.	EXIST	PTD EXIST	PTD EXIST	PTD EXIST	PTD EXIST	EXPOSED EXIST.	11'-04/-	---
204B	JANITOR'S CLOSET	C.T.	EXIST	PTD EXIST	PTD EXIST	PTD EXIST	PTD EXIST	EXPOSED EXIST.	11'-04/-	---
205A	WOMEN'S ALCOVE	C.T.	C.T.	PTD GNB	PTD EXIST	PTD EXIST	MTL PART/GNB	EXISTING	9'-3"	SEE 1/A.4 FOR CL6.
205	WOMEN'S LOCKER ROOM	C.T.	C.T.	PTD EXIST	PTD EXIST	MTL PART/GNB	PTD EXIST	EXISTING	9'-3"	SEE 1/A.4 FOR CL6.
206	WOMEN'S TOILET	SEE NOTE 1	SEE NOTE 1	SEE NOTE 1	SEE NOTE 1	SEE NOTE 1	SEE NOTE 1	SEE NOTE 1	---	SEE NOTE 2
207	OFFICE	EPOXY FLOORING	VINYL	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	---	FLOOR REPLACEMENT ONLY
207A	CLOSET	VCT	VINYL	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	---	FLOOR REPLACEMENT ONLY
208	TRAINING/CONFERENCE ROOM	EPOXY FLOORING	VINYL	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	---	FLOOR REPLACEMENT ONLY
208A	TRAINING/CONF. ROOM CLOSET	VCT	VINYL	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	---	FLOOR REPLACEMENT ONLY
208B	TRAINING/CONF. ROOM CLOSET	VCT	VINYL	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	---	FLOOR REPLACEMENT ONLY
209	UTILITY LINE MAINTANCE OFF.	EPOXY FLOORING	VINYL	PTD EXIST	PTD GNB/EXIST	PTD EXIST	PTD EXIST	NO WORK	---	SEE NOTE 2.
210	OFFICE #1	EPOXY FLOORING	VINYL	PTD EXIST	PTD EXIST	PTD EXIST	PTD EXIST	NO WORK	---	---
211	OFFICE #2	EPOXY FLOORING	VINYL	PTD EXIST	PTD EXIST	PTD EXIST	PTD EXIST	NO WORK	---	SEE NOTE 2.
211A	CLOSET	EPOXY FLOORING	VINYL	PTD EXIST	PTD GNB	PTD EXIST	PTD EXIST	NO WORK	---	---
212	CREW LEADER ROOM	EPOXY FLOORING	VINYL	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	---	FLOOR REPLACEMENT ONLY
213	BREAK ROOM	EPOXY FLOORING	VINYL	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	---	FLOOR REPLACEMENT ONLY
214	STAIR #2	EPOXY FLOORING	EPOXY	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	---	FLOOR REPLACEMENT ONLY, SEE ALSO NOTE 2.
215	RECEIVING	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	---	---
216	CORRIDOR	EPOXY FLOORING	EPOXY	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	---	FLOOR REPLACEMENT ONLY, SEE ALSO NOTE 2.
217	STAIR #1	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	---	---
218A	TRAINING/CONF. ROOM CLOSET	VCT	VINYL	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	---	FLOOR REPLACEMENT ONLY
218B	TRAINING/CONF. ROOM CLOSET	VCT	VINYL	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	---	FLOOR REPLACEMENT ONLY



NOTES:
1. WOMEN'S TOILET ROOM 206; FLOOR 15 TO BE PROFESSIONALLY CLEANED.
NORTH WALL-TILE MAINSCOT (48" HIGH) ON EAST SIDE OF 205A OPENING TO BE PROFESSIONALLY CLEANED
PREVIOUSLY PAINTED TILE MAINSCOT (48" HIGH) ON WEST SIDE OF 205A TO BE PAINTED, CMU ABOVE TO BE PROFESSIONALLY CLEANED.
SOUTH WALL-TO BE PROFESSIONALLY CLEANED.
EAST WALL (TOILETS & SHOWER WALLS)-TILE MAINSCOT (48" HIGH) TO BE PROFESSIONALLY CLEANED.
WEST WALL-PREVIOUSLY PAINTED TILE MAINSCOT (48" HIGH) TO BE PAINTED, CMU ABOVE TO BE PROFESSIONALLY CLEANED.
CEILING-EXISTING TO REMAIN. REPLACE 2x4 TILE AS NOTED ON 1/A.4.
MISC.-TOILET FIXTURES TO BE PROFESSIONALLY CLEANED.
2. PAINT METAL WINDOW STOODS.
3. *PTD EXIST* IS DEFINED AS PAINTING EXISTING WALL MATERIALS WHERE MULTIPLE MATERIALS OCCUR.
4. EPOXY FLOORING- SEE SPECIFICATION SECTION 096700 "FLUID APPLIED FLOORING"

MECHANICAL LEGEND

SYMBOLS

	SECTION DESIGNATION UPPER: SECTION DESIGNATION LOWER: SECTION DRAWING NUMBER
	DETAIL DESIGNATION UPPER: DETAIL DESIGNATION LOWER: DETAIL DRAWING NUMBER
	EXHAUST FAN
	FAN COIL UNIT
	HEAT PUMP
	EXHAUST REGISTER
	THERMOSTAT

SHEET METAL

	SUPPLY DUCT UP
	SUPPLY DUCT DOWN
	EXHAUST OUTSIDE AIR OR RETURN DUCT UP
	EXHAUST OUTSIDE AIR OR RETURN DUCT DOWN
	FLEXIBLE CONNECTION
	ROUND DUCT
	DUCT WITH TURNING VANES
	ROUND DUCT UP
	ROUND DUCT DOWN
	SPIN-IN FITTING WITH DAMPER
	LATERAL SQUARE TO ROUND TAKEOFF
	REDUCER
	SQUARE TO ROUND
	FLEXIBLE DUCT
	ROUND DUCT
	MANUAL VOLUME DAMPER RUSKIN MD-35 OR EQUAL
	CEILING DIFFUSER
	RETURN OR RELIEF AIR REGISTER
	DENOTES EXISTING EQUIPMENT
	DENOTES EXISTING EQUIPMENT TO BE REMOVED
	POINT OF CONNECTION (NEW TO EXISTING)

PIPING

	SANITARY SEWER
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER RECIRC.
	VENT
	PIPE DOWN
	PIPE UP
	VENT THRU ROOF
	PIPE WITH CLEANOUT
	DIRECTION OF FLOW IN PIPE
	FLOOR DRAIN WITH P-TRAP
	BALL VALVE
	GATE VALVE
	CHECK VALVE
	CAPPED PIPE
	DIRECTION OF FLOW
	DIRECTION OF PITCH
	RISER
	DROP

ABBREVIATIONS

ABV	ABOVE
AFF	ABOVE FINISHED FLOOR
BOD	BOTTOM OF DUCT
BTUH	BRITISH THERMAL UNIT PER HOUR
CFM	CUBIC FEET PER MINUTE
CLG.	CEILING
C.O.	CLEANOUT
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RECIRC
DN	DOWN
EAT	ENTERING AIR TEMPERATURE
ENT.	ENTERING
EWH	ELECTRIC WATER HEATER
FCO	FLOOR CLEANOUT
FPM	FEET PER MINUTE
GPM	GALLONS PER MINUTE
HB	HOSE BIBB
HP	HORSEPOWER
LAT	LEAVING AIR TEMPERATURE
LVG.	LEAVING
MAX.	MAXIMUM
MBH	THOUSAND BTU PER HOUR
MFR.	MANUFACTURER
MIN.	MINIMUM
MVD	MANUAL VOLUME DAMPER
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NOM	NOMINAL
NTS	NOT TO SCALE
OA	OUTSIDE AIR
PSIG	POUNDS PER SQUARE INCH GAUGE
RPM	REVOLUTIONS PER MINUTE
SA	SUPPLY AIR
SAN	SANITARY
SP	STATIC PRESSURE (INCHES OF WATER)
TYP.	TYPICAL
WB	WET BULB TEMPERATURE, DEG. °F
WL	WALL LOUVER
V	VENT
VTR	VENT THROUGH ROOF

MECHANICAL GENERAL NOTES:

- WHERE DUCTWORK, PIPING, OR ANY OTHER MECHANICAL EQUIPMENT IS INSTALLED ABOVE THE CEILING STRUCTURE, SUFFICIENT CLEARANCE SHALL BE PROVIDED BELOW ALL LOW POINTS OF THIS EQUIPMENT FOR THE INSTALLATION OF THE FINISHED CEILING AND ITS STRUCTURE AND ALL CEILING-MOUNTED EQUIPMENT INCLUDING CEILING-MOUNTED MECHANICAL EQUIPMENT, LIGHT FIXTURES, PLUMBING LINES, SPRINKLER HEADS, ETC. CLEARANCES REQUIRED FOR THE INSTALLATION OF THIS CEILING-MOUNTED EQUIPMENT SHALL BE VERIFIED AND COORDINATED WITH THE GENERAL CONTRACTOR AND ALL INVOLVED SUBCONTRACTORS BEFORE INSTALLING THE MECHANICAL EQUIPMENT.
- WHERE SPACE IS LIMITED, SUCH AS IN THE FURRED CEILING SPACES AND CHASES, ROUTES AND CLEARANCES AND INSTALLATION PROCEDURES FOR DUCTWORK, PIPING, VALVES, AND OTHER MECHANICAL EQUIPMENT SHALL BE VERIFIED AND COORDINATED WITH OTHER WORK BEFORE EQUIPMENT IS INSTALLED.
- ALL STRUCTURAL STEEL AND OTHER MATERIALS REQUIRED FOR OVERHEAD-SUSPENDED MECHANICAL EQUIPMENT SHALL BE PROVIDED BY MECHANICAL CONTRACTOR UNLESS DETAILED ON STRUCTURAL DRAWINGS. ALL NECESSARY REINFORCING IN BUILDING STRUCTURE SHALL BE PROVIDED BY GENERAL CONTRACTOR.
- GRILLE AND OTHER EQUIPMENT MOUNTING HEIGHTS WHERE SHOWN ON DRAWINGS ARE MEASURED FROM FINISHED FLOOR TO BOTTOM EDGE OF OPENING UNLESS OTHERWISE INDICATED.
- MOUNT THERMOSTATS 5'-0" ABOVE FINISHED FLOOR.
- IF ANY EQUIPMENT OTHER THAN THAT SHOWN OR SPECIFIED IS FURNISHED, THE CONTRACTOR SHALL VERIFY THAT THE EQUIPMENT CAN BE INSTALLED IN THE SPACE AVAILABLE, INCLUDING PASSAGE THROUGH DOORS AND ACCESS DOORS AND ACCESS TO THOSE PARTS OF THE EQUIPMENT REQUIRING SERVICE.
- ALL DUCTS 30" WIDE OR WIDER SHOWN RUNNING SIDE-BY-SIDE ON THE PLANS SHALL BE INSTALLED WITH A MINIMUM CLEARANCE OF 6" BETWEEN THEM TO PROVIDE SPACE FOR CEILING SUSPENSION DEVICES.
- OPEN ENDS OF ALL RETURN AND EXHAUST DUCTS IN THE FURRED SPACE ABOVE THE CEILING SHALL BE COVERED WITH 1/2" MESH G.I. SECURELY ATTACHED TO THE DUCTS.
- ALL DUCTWORK AND PIPING SHALL BE LOCATED ABOVE NEW OR EXISTING CEILING UNLESS NOTED OTHERWISE.
- RUN CONDENSATE LINE FROM DRAINS ON FAN COIL UNITS TO NEARBY FLOOR DRAINS UNLESS OTHERWISE SHOWN. DRAINS SHALL BE SAME SIZE AS TAPPING ON UNIT EXCEPT NOT LESS THAN 3/4" IN SIZE.
- WHERE EXTERNAL INSULATION IS SHOWN ON DUCTS CONTAINING INTERNAL INSULATION, THE THICKNESS OF THE EXTERNAL INSULATION MAY BE REDUCED IN THICKNESS BY THE THICKNESS OF THE INTERNAL INSULATION.
- ALL INTERNAL INSULATION IN DUCTWORK SHALL BE PROTECTED AT UPSTREAM AND DOWNSTREAM EDGES BY MITERED OFFSETS IN THE DUCT. OFFSETS SHALL BE SAME AS THICKNESS OF INSULATION.
- SEE DRAWING NOTES FOR DESCRIPTION OF DUCTWORK INSULATION.
- ALL AIR INTAKE AND DISCHARGE LOUVERS TO EXTERIOR WALLS OF THE BUILDING SHALL BE FURNISHED BY MECHANICAL CONTRACTOR.
- OFFSET DUCTS AND PIPING WHERE NECESSARY TO CLEAR OTHER WORK SUCH AS BEAMS, PIPES, ELECT., ETC., COORDINATE DUCTWORK INSTALLATION OF OTHER TRADES TO AVOID SPACE CONFLICTS.
- ALL CEILING-MOUNTED DIFFUSERS AND GRILLES IN FURRED CEILING SHALL BE SYMMETRICALLY LOCATED WITH RESPECT TO LIGHTING FIXTURES. DO NOT SCALE DRAWINGS FOR LOCATIONS. COORDINATE EXACT LOCATIONS WITH ELECTRICAL CONTRACTOR AND REFER TO REFLECTED CEILING PLAN.
- DUCT SIZES SHOWN ON PLANS INDICATE CLEAR INSIDE DIMENSIONS OF DUCTS, NOT INCLUDING ALLOWANCE FOR INTERNAL INSULATION.
- WHERE CONNECTIONS OR ALTERNATIONS ARE MADE TO EXISTING PIPING, OR OTHER MECHANICAL EQUIPMENT, THE EXACT LOCATION AND CONFIGURATION OF THIS EQUIPMENT SHALL BE DETERMINED ON THE JOB SITE. ROUTE AND CLEARANCES FOR NEW PIPING, OR OTHER MECHANICAL EQUIPMENT CONNECTING TO EXISTING EQUIPMENT SHALL BE VERIFIED ON THE JOB SITE BEFORE FABRICATING NEW EQUIPMENT.
- WHERE ANY PART OF BUILDING IS CUT OR OTHERWISE DISFIGURED TO PERMIT INSTALLATION OF NEW EQUIPMENT, THIS PART OF BUILDING OR EXISTING EQUIPMENT SHALL BE REPAIRED TO MATCH EXISTING.
- COORDINATE CEILING DEVICE LOCATIONS WITH REFLECTED CEILING PLAN.
- PROVIDE AND INSTALL ACCESS DOORS IN DRYWALL TO MATCH EXISTING, FOR ACCESS TO ALL BALANCING DAMPERS AND NEW OR RELOCATED EQUIPMENT.
- AIR BALANCE REPORT SHALL ACCOMPANY A SET OF RED-LINE RECORD DRAWINGS INDICATING EXACT TO-SCALE LOCATIONS AND FINAL BALANCE AIR RATES.

PLUMBING GENERAL NOTES

- INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH THE UNIFORM STATEWIDE BUILDING CODE, INCLUDING REFERENCED CODES AND STANDARDS AND IN ACCORDANCE WITH MANDATES OF THE LOCAL BUILDING OFFICIALS.
- THE GENERAL ARRANGEMENT AND LOCATIONS OF PIPING, FIXTURES, ETC. ARE INDICATED BY THE DRAWINGS AND SHALL BE INSTALLED IN ACCORDANCE THEREWITH, WITH THE EXCEPTION OF SUCH CHANGES AS MAY BE REQUIRED ON ACCOUNT OF OTHER TRADES. CONTRACTOR SHALL COORDINATE WORK WITH INSTALLATION OF OTHER TRADES.
- PLUMBING WORK SHALL BE COORDINATED WITH THE CONTRACTOR AS TO SCHEDULING, DIMENSIONING AND LOCATION OF EQUIPMENT.
- MAJOR ITEMS ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INCIDENTAL ITEMS REQUIRED TO PROVIDE A COMPLETE AND FUNCTIONAL SYSTEM.
- TRADE NAMES AND CATALOG NUMBERS SHALL BE INTERPRETED AS ESTABLISHING A GENERAL DESIGN AND STANDARD OF QUALITY AND SHALL NOT BE CONSTRUED AS LIMITING COMPETITION. UNLESS STATED OTHERWISE, THE CONTRACTOR MAY USE ANY ARTICLE WHICH, IN HIS JUDGMENT AND WITH WRITTEN COMMENT FROM THE ARCHITECT/ENGINEER INDICATING NO OBJECTION PRIOR TO BIDDING, IS EQUAL OR SUPERIOR TO THAT SPECIFIED. DRAWINGS SHOWING CHANGES OR REVISIONS REQUIRED BY THE SUBSTITUTION FOR SPECIFIED ITEMS SHALL BE BORNE BY THE CONTRACTOR.
- ALL REQUIRED WALL OR FLOOR OPENINGS SHALL BE COORDINATED WITH THE CONTRACTOR.
- ALL PIPING SHALL BE ABOVE CEILING UNLESS INDICATED OTHERWISE.
- ALL EQUIPMENT SHALL BE WIPED CLEAN, REMOVING ALL TRACES OF OIL, DIRT, OR PAINT SPOTS.
- PROVIDE SUPPORTS TO RIGIDLY ATTACH ALL EQUIPMENT, APPURTENANCES AND PIPE AS REQUIRED FOR SUPPORT. PRIOR TO INSTALLATION OF HANGERS AND INSERTS, THE CONTRACTOR SHALL COORDINATE LOCATIONS AND EQUIPMENT TO MINIMIZE CONFLICTS WITH OTHER BUILDING SYSTEMS.
- CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO ALL EQUIPMENT INDICATED TO BE FURNISHED BY OTHERS.
- ALL PIPE OF THE SAME SIZE SHALL BE OF THE SAME MATERIAL.
- SLOPE ALL DRAIN LINES 1/4" INCH PER FOOT MINIMUM FOR SIZES LESS THAN 4 INCHES.
- VENTS SHALL EXTEND 12 INCHES ABOVE THE ROOF. ROOF FLASHING SHALL BE COORDINATED BY THE CONTRACTOR.
- DOMESTIC HOT AND COLD WATER PIPING SHALL BE TYPE "L" COPPER TUBING.
- PROVIDE FLOOR DRAINS WITH TRAP PRIMERS OF SIZE AND TYPE AS INDICATED ON DRAWINGS. ALL DRAINS CONNECTING TO SANITARY SEWER SYSTEM SHALL BE FURNISHED WITH P-TRAP. DRAINS SHALL HAVE OUTLET COMPATIBLE WITH PIPING SYSTEM TO WHICH IT IS CONNECTED.
- ALL EXPOSED FIXTURE SUPPLIES AND WASTE LINES SHALL BE CHROME PLATED.
- PLUMBING FIXTURES SHALL BE VENTED AND TRAPPED IN ACCORDANCE WITH THE UNIFORM STATEWIDE BUILDING CODE, 2012 EDITION. LOCATION OF VENT SHALL NOT EXCEED MAXIMUM DISTANCES TO TRAP AS ESTABLISHED WITHIN THE VIRGINIA UNIFORM STATEWIDE BUILDING CODE.
- COORDINATE ALL PENETRATIONS OF EXTERIOR WALL WITH OTHER TRADES.



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COLLEGE HILL
WATER TREATMENT PLANT
INTERIOR RENOVATIONS

LYNCHBURG, VA. PROJECT NO: 11119 CITY PROJECT NO. 11030-BG



WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATION FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS.

DESIGNED: CLS
DRAWN: DAC
CHECKED: CLS
DATE: 2016-03-31
REVISIONS:

MECHANICAL & PLUMBING LEGEND, NOTES & ABBREVIATIONS

MP1.0

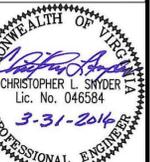


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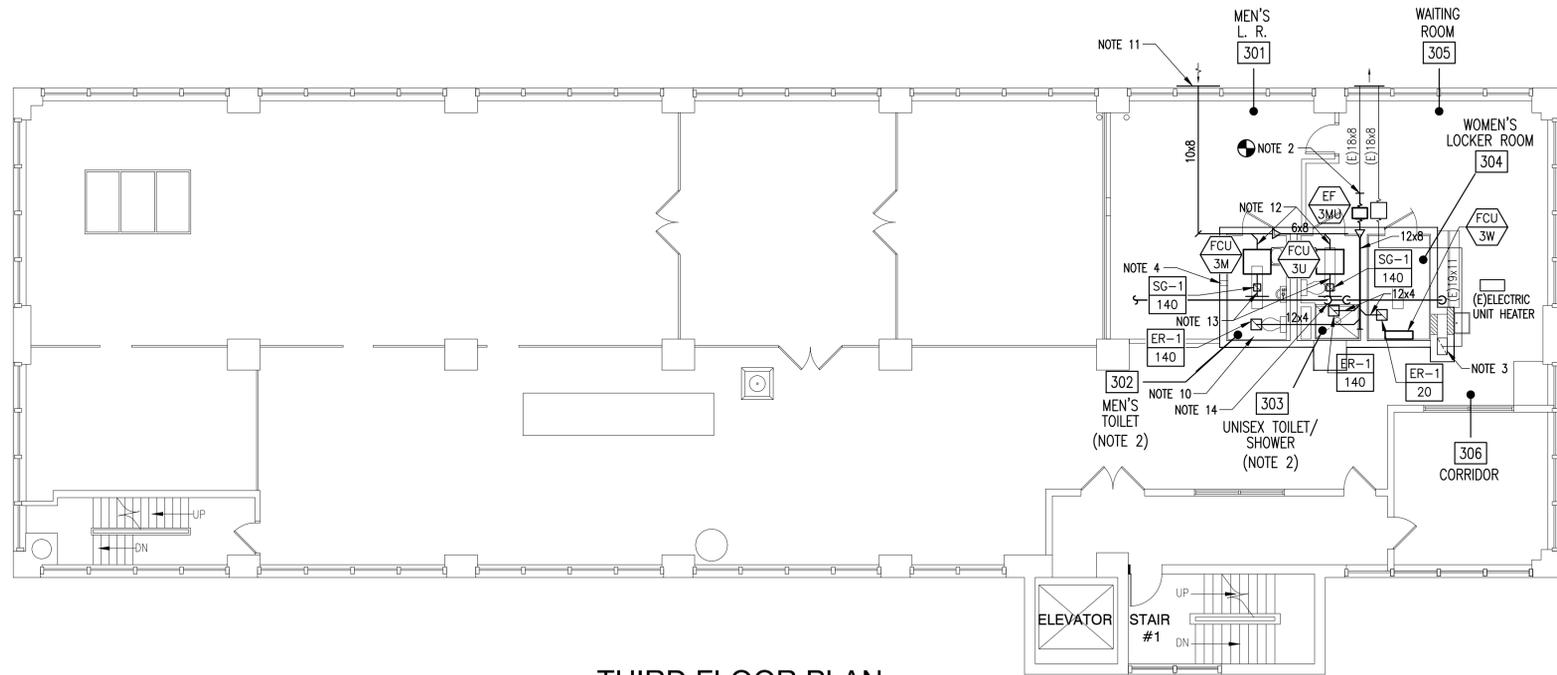
DESIGNED: CLS
DRAWN: DAC
CHECKED: CLS
DATE: 2016-03-31
REVISIONS:

MECHANICAL
SECOND &
THIRD FLOOR

M1.1

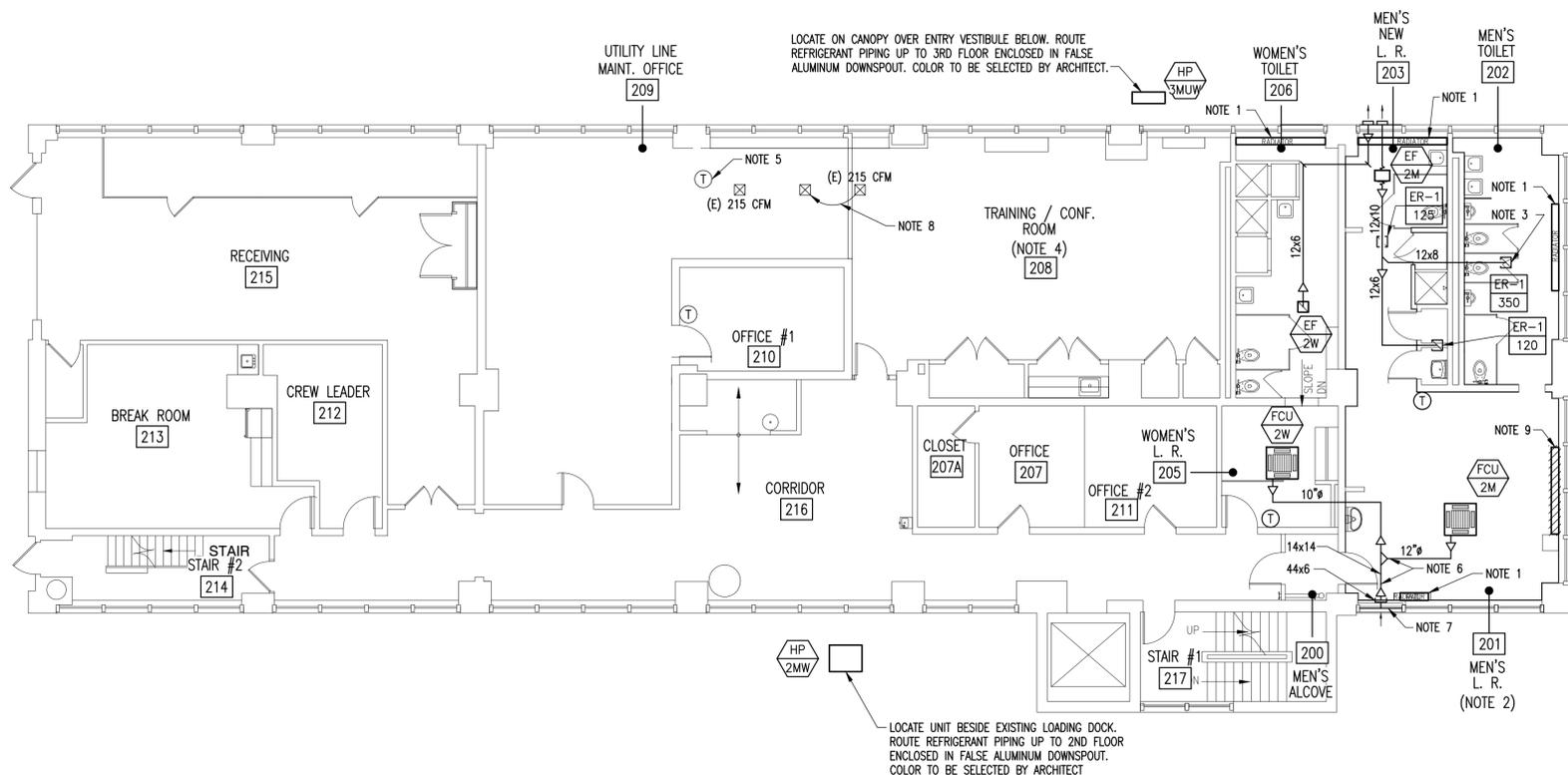
NOTES:

1. REMOVE EXISTING CONVECTOR HEATING UNITS AND REPLACE IN KIND MATCHING EXISTING UNIT SIZE, CONFIGURATION AND BTU'S. PROVIDE WITH SELF-CONTAINED THERMOSTATIC 2-WAY CONTROL VALVE AND DIELECTRIC FITTINGS WHERE DISSIMILAR MATERIALS ARE USED.
2. REMOVE EXISTING 18x8 EXHAUST DUCT AS REQUIRED FOR INSTALLATION OF EXHAUST FAN EF-3MU.
3. DISCONNECT MEN'S TOILET ROOM 202 FROM EXISTING EXHAUST FAN LOCATED ON THIRD FLOOR. REMOVE DUCTWORK BACK TO EXISTING EXHAUST 19x11 DUCT RISER. CAP OPEN END AND SEAL AIRTIGHT.
4. PATCH OPENING TO MATCH EXISTING.
5. REMOVE EXISTING CONTROL ELEMENT.
6. INSULATE ALL OUTSIDE AIR AND SUPPLY AIR DUCT WITH 1 1/2" FOIL FACED FIBERGLASS.
7. WALL LOUVER EQUAL TO RUSKIN ELF-811DD WITH FLANGED FRAME, BIRDSCREEN ON REAR AND FINISH AS SELECTED BY ARCHITECT. SIZE 46"W x 42"H. COORDINATE WITH WINDOW SECTION TO BE REMOVED BEFORE FABRICATION.
8. RELOCATE EXISTING CEILING DIFFUSER AND EXTEND DUCTWORK AS NECESSARY.
9. REMOVE EXISTING CONVECTOR AND PIPING TO BELOW FLOOR AND CAP. PATCH WALLS AND FLOOR TO MATCH EXISTING.
10. DEMOLISH AND REMOVE ABANDONED EXHAUST FANS AND RELATED DUCTS IN THIS AREA.
11. WALL LOUVER EQUAL TO RUSKIN ELF-811DD WITH FLANGED FRAME, BIRDSCREEN ON REAR, FINISH AS SELECTED BY ARCHITECT, AND PROVIDE WITH MODEL BD2A1 GRAVITY BACKDRAFT DAMPER. SIZE 46"W x 42"H. COORDINATE WITH WINDOW SECTION TO BE REMOVED BEFORE FABRICATION.
12. OA PLENUM SAME SIZE AS UNIT OPENING.
13. SA PLENUM SAME SIZE AS UNIT OPENING. STAB BOTTOM OF PLENUM WITH 8"x8" DUCT FROM SG-1.
14. REROUTE PIPING IN THIS AREA AS NEEDED.



THIRD FLOOR PLAN

SCALE: 1/8"=1'-0"



SECOND FLOOR PLAN

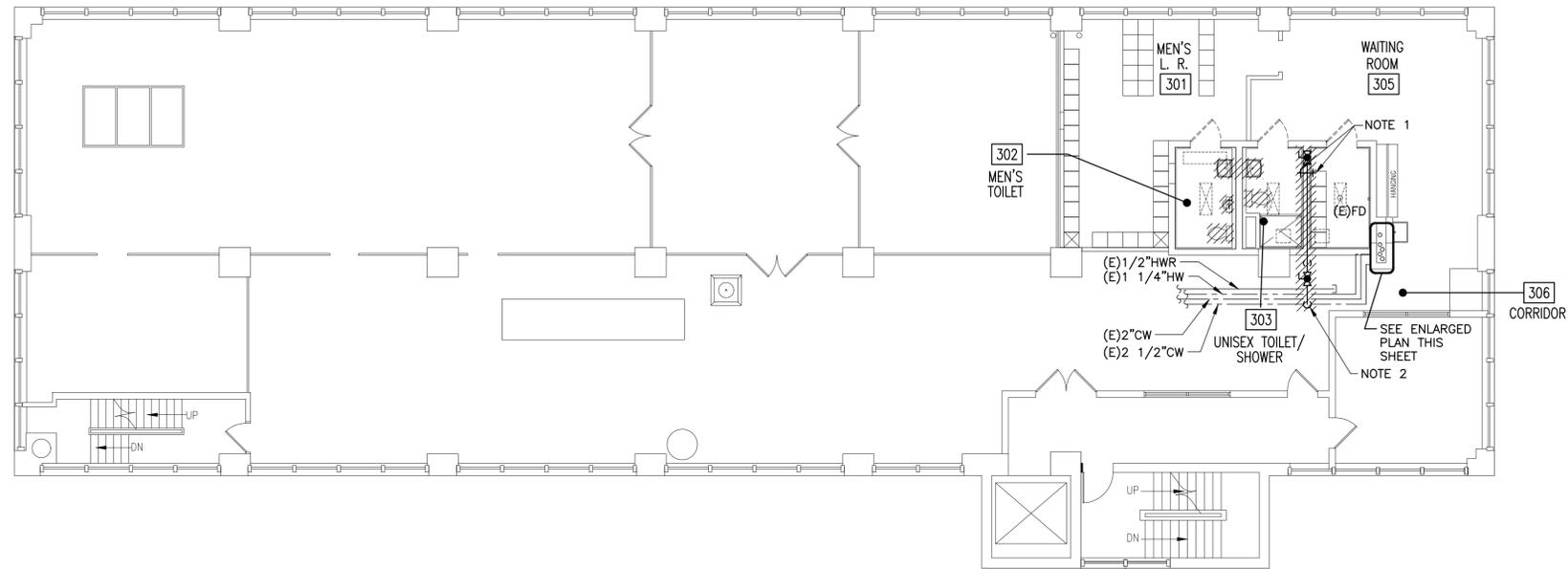
SCALE: 1/8"=1'-0"

MISCELLANEOUS EQUIPMENT SCHEDULE	
MARK	DESCRIPTION
EF 3MU	DIRECT DRIVE INLINE EXHAUST FAN EQUAL TO GREENHECK MODEL CSP-A390, 140W, 120V/1Ø/60HZ, WITH BUILT-IN THERMAL OVERLOAD, UL LABEL, RUBBER IN SHEAR HANGING ISOLATORS AND SOLID STATE SPEED CONTROL. FAN PERFORMANCE SHALL BE 300 CFM AIR FLOW AT ESTIMATED 0.625" SP AND SHALL RUN CONTINUOUSLY, BASED ON OCCUPANCY SENSOR.
EF 2M	DIRECT DRIVE INLINE EXHAUST FAN EQUAL TO GREENHECK MODEL CSP-A780, 405W, 120V/1Ø/60HZ, WITH BUILT-IN THERMAL OVERLOAD, UL LABEL, RUBBER IN SHEAR HANGING ISOLATORS AND SOLID STATE SPEED CONTROL. FAN PERFORMANCE SHALL BE 595 CFM AIR FLOW AT ESTIMATED 0.50" SP AND SHALL RUN CONTINUOUSLY DURING OCCUPIED TIMES, BASED ON OCCUPANCY SENSOR. PROVIDE WITH WC-18x8 DISCHARGE CAP WITH BACKDRAFT DAMPER AND BIRDSCREEN..
EF 2W	DIRECT DRIVE CEILING EXHAUST FAN EQUAL TO GREENHECK MODEL SP-A390, 135W, 120V/1Ø/60HZ, WITH BUILT-IN THERMAL OVERLOAD, UL LABEL, RUBBER IN SHEAR HANGING ISOLATORS AND SOLID STATE SPEED CONTROL. FAN PERFORMANCE SHALL BE 280 CFM AIR FLOW AT ESTIMATED 0.50" SP AND SHALL RUN CONTINUOUSLY DURING OCCUPIED TIMES, BASED ON OCCUPANCY SENSOR. PROVIDE WITH WC-18x8 DISCHARGE CAP WITH BACKDRAFT DAMPER AND BIRDSCREEN..
ER-1 CFM	EXHAUST REGISTER EQUAL TO METAL AIRE MODEL CC5D WITH ALUMINUM FINISH AND OPPOSED BLADE BALANCING DAMPER, NECK SIZE 12x12.
FCU 2M	FAN COIL UNIT EQUAL TO DAIKIN MODEL FXFQ36MVJU NOMINAL 3 TON COOLING, 40 MBH HEATING. CEILING CASSETTE WITH OUTSIDE AIR INTAKE, CONDENSATE PUMP AND WALL MOUNT THERMOSTAT, ELECTRICAL CHARACTERISTICS SHALL BE 208V/1Ø/60HZ.
FCU 2W	FAN COIL UNIT EQUAL TO DAIKIN MODEL FXFQ18MVJU NOMINAL 1 1/2 TON COOLING, 20 MBH HEATING. CEILING CASSETTE WITH OUTSIDE AIR INTAKE, CONDENSATE PUMP AND WALL MOUNT THERMOSTAT, ELECTRICAL CHARACTERISTICS SHALL BE 208V/1Ø/60HZ.
HP 2MW	HEAT PUMP EQUAL TO DAIKIN SERIES VRV-III MODEL RXYQ72PYDN TO SERVE FCU-2M AND FCU-2W ABOVE. SHALL BE PROVIDED WITH REFRIGERANT CIRCUIT DESIGN PER MANUFACTURER'S RECOMMENDATION AND HAVE 460V/3Ø/60HZ ELECTRICAL. PROVIDE 4" HIGH PAD FOR UNIT SUPPORT.
FCU 3M	FAN COIL UNIT EQUAL TO MITSUBISHI ELECTRIC MODEL SEZ-KD09NA4 NOMINAL 0.75 TON COOLING, 10.9 MBH HEATING. CONCEALED HORIZONTAL DUCTED UNIT WITH OUTSIDE AIR INTAKE, CONDENSATE PUMP AND WALL MOUNT THERMOSTAT, ELECTRICAL CHARACTERISTICS SHALL BE 208V/1Ø/60HZ.
FCU 3U	FAN COIL UNIT EQUAL TO MITSUBISHI ELECTRIC MODEL SEZ-KD09NA4 NOMINAL 0.75 TON COOLING, 10.9 MBH HEATING. CONCEALED HORIZONTAL DUCTED UNIT WITH OUTSIDE AIR INTAKE, CONDENSATE PUMP AND WALL MOUNT THERMOSTAT, ELECTRICAL CHARACTERISTICS SHALL BE 208V/1Ø/60HZ.
FCU 3W	FAN COIL UNIT EQUAL TO MITSUBISHI ELECTRIC MODEL MSZ-GE06NA-9 NOMINAL 0.5 TON COOLING, 7.2 MBH HEATING. WALL MOUNTED UNIT WITH OUTSIDE AIR INTAKE, CONDENSATE PUMP AND WALL MOUNT THERMOSTAT, ELECTRICAL CHARACTERISTICS SHALL BE 208V/1Ø/60HZ.
HP 3MUW	HEAT PUMP EQUAL TO MITSUBISHI MODEL MXZ-3C24NAHZ TO SERVE FCU-3M, FCU-3U, AND FCU-3W ABOVE. SHALL BE PROVIDED WITH REFRIGERANT CIRCUIT PIPING PER MANUFACTURER'S RECOMMENDATIONS AND HAVE 208V/1Ø/60HZ ELECTRICAL. ANCHOR UNIT TO CANOPY ON ISOLATION PADS.
SG-1 CFM	EXHAUST REGISTER EQUAL TO PRICE INDUSTRIES MODEL 610 WITH ALUMINUM FINISH, NECK SIZE 8x8.



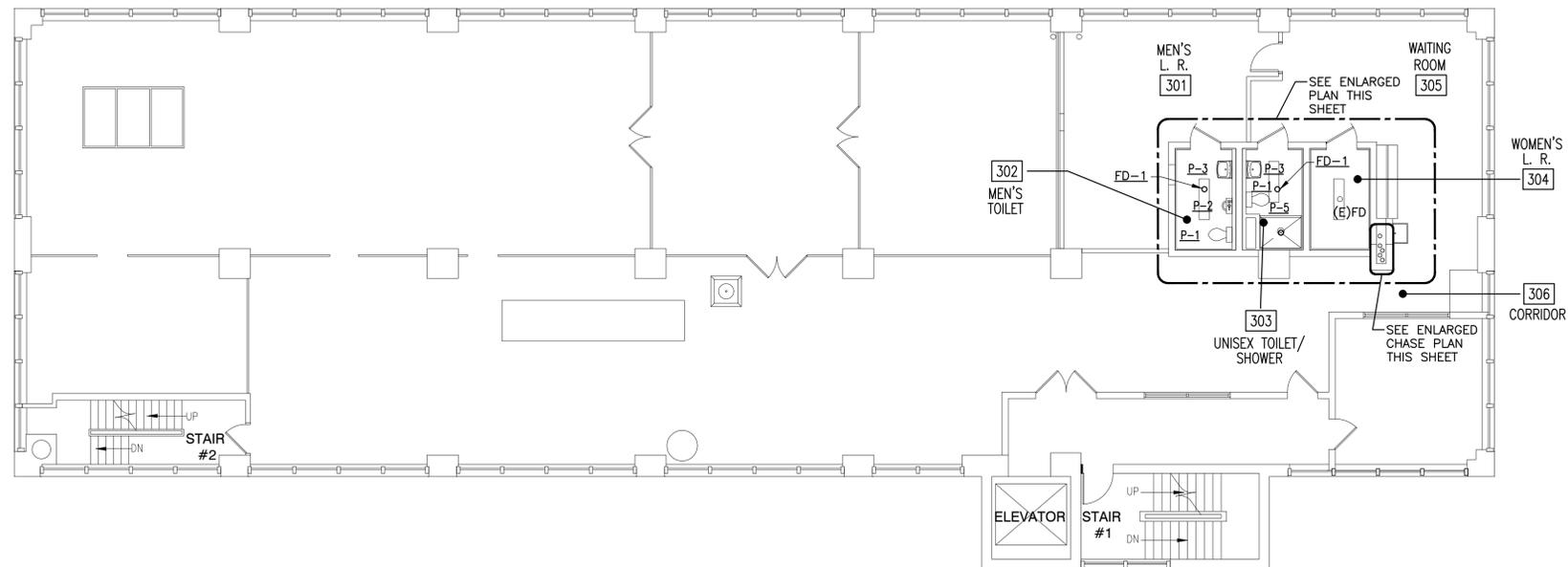
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423-164



THIRD FLOOR DEMOLITION PLAN

SCALE: 1/8"=1'-0"

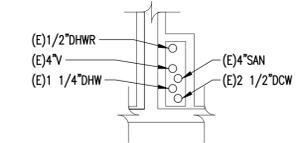


THIRD FLOOR PLAN

SCALE: 1/8"=1'-0"

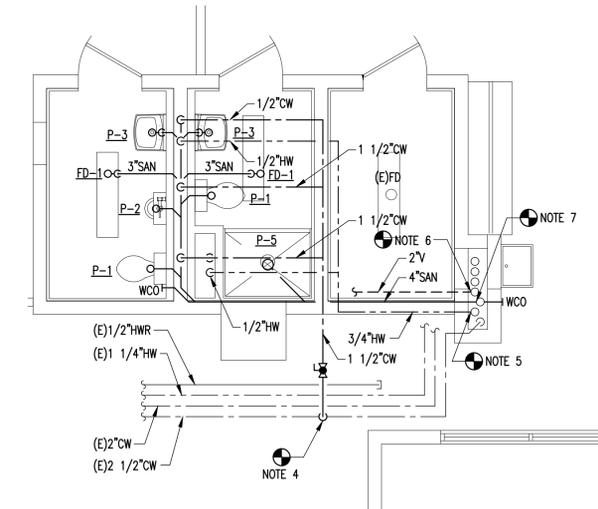
NOTES:

1. REMOVE EXISTING HOSE BIBB.
2. REMOVE DOMESTIC COLD WATER BRANCH FEEDING EXISTING HOSE BIBBS.
3. RECONNECT P-8 TO EXISTING DOMESTIC COLD WATER SUPPLY, DOMESTIC HOT WATER SUPPLY, SANITARY AND VENT CONNECTIONS.
4. CONNECT 1 1/2" DOMESTIC COLD WATER TO EXISTING 2 1/2" DOMESTIC COLD WATER MAIN.
5. CONNECT 3/4" HOT WATER TO EXISTING 1 1/4" HOT WATER MAIN.
6. CONNECT 2" VENT TO EXISTING 4" VENT.
7. CONNECT 4" SANITARY TO EXISTING 4" SANITARY RISER. PROVIDE WALL CLEANOUT AT CHASE WALL AS INDICATED.



ENLARGED CHASE PLAN

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



ENLARGED PLAN

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

FIXTURE SCHEDULE AND SPECIFICATIONS

DESIG	FIXTURE	MANUFACT. & MODEL	SIZE	SUPPLY FITTINGS AND STOPS	TRAP	CARRIER	REMARKS & ACCESSORIES	CONNECTION SIZES		
								WASTE	HOT	COLD
P-1	WATER CLOSET	A.S. MODEL 2234.015 1.6 GPF	STD	FLUSH VALVE SLOAN ROYAL 111	INTEGRAL	FLOOR MOUNTED	SEAT: CHURCH 9500C	3"	-	1"
P-2	URINAL	A.S. MODEL 6501.010	STD	FLUSH VALVE SLOAN ROYAL 186	INTEGRAL	WALL MOUNTED	-	2"	-	3/4"
P-3	LAV	A.S. MODEL 0355.012	20x18	3/8" ANGLE STOPS	1 1/4"x1 1/2" 17GA P-TRAP	WALL MOUNTED	FAUCET: MOEN 8434 W/GRID STRAINER ①	1 1/2"	1/2"	1/2"
P-4	JANITOR SINK	EXISTING TO BE REUSED					②			
P-5	SHOWER	MOEN 8325	-	3/8" ANGLE STOPS	③ SECOND FLOOR ④ THIRD FLOOR	WALL MOUNTED	ADJUSTABLE TEMPERATURE LIMIT STOP AND PRESSURE BALANCING MECHANISM	2"	1/2"	1/2"
P-6	WASH FOUNTAIN	BRADLEY S93-574	28x19	3/8" ANGLE STOPS	1 1/4"x1 1/2" 17GA P-TRAP	WALL MOUNTED	-	1 1/2"	1/2"	1/2"

- REMARKS: ① TRAP & SUPPLY INSULATION KIT - TRUBRO MODEL 102W
 ② FURNISH WITH STERN WILLIAMS T-10-VB SERVICE SINK FITTING W/VACUUM BREAKER, T-35 HOSE & WALL HOOK, BP S.S. SPLASH CATCHER PANELS.
 ③ FOR SECOND FLOOR ONLY, PROVIDE NEW DRAIN WITH GRATE AND P-TRAP, CONNECT TO EXISTING SANITARY.
 ④ FOR THIRD FLOOR ONLY, PROVIDE SIOUX CHIEF 832-2PNR ADJUSTABLE FLOOR DRAIN WITH 6" STRAINER AND TRAP AS REQUIRED.

MISCELLANEOUS EQUIPMENT SCHEDULE

MARK	DESCRIPTION
FD-1	4" JOSAM 32100 COATED C.I. DRAIN, TWO PIECE BODY WITH DOUBLE DRAINAGE FLANGE, BOTTOM OUTLET TRAP PRIMER AND MEDIUM DUTY SUPER FLOW NICKLE BRONZE GRATE. PROVIDE WITH TRAP PRIMER VALVE EQUAL TO PRECISION PLUMBING PRODUCTS PR-500 WITH 1/2" COPPER LINE.



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**COLLEGE HILL
WATER TREATMENT PLANT
INTERIOR RENOVATIONS**

LYNCHBURG, VA. PROJECT NO: 11119 CITY PROJECT NO. 11030-BG



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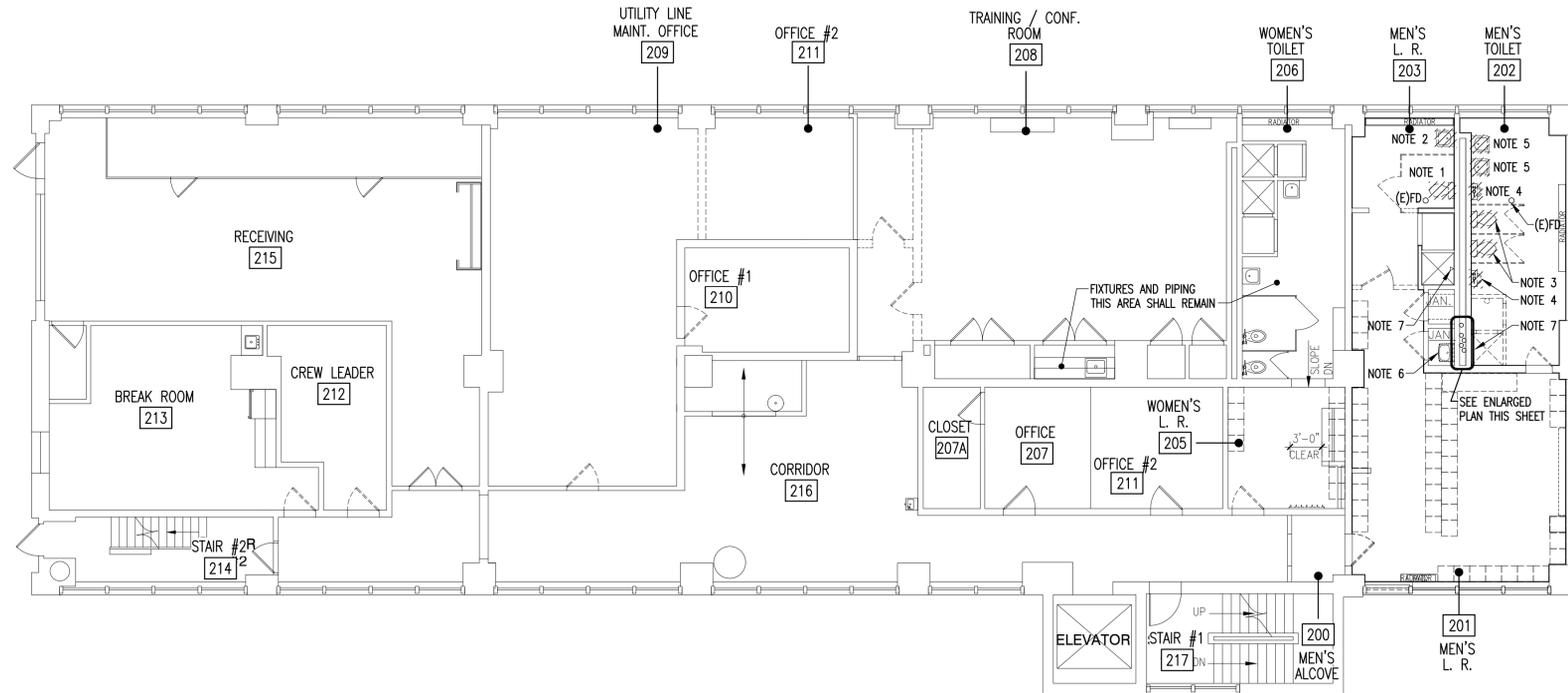
DESIGNED: CLS
DRAWN: DAC
CHECKED: CLS
DATE: 2016-03-31
REVISIONS:

PLUMBING
THIRD FLOOR

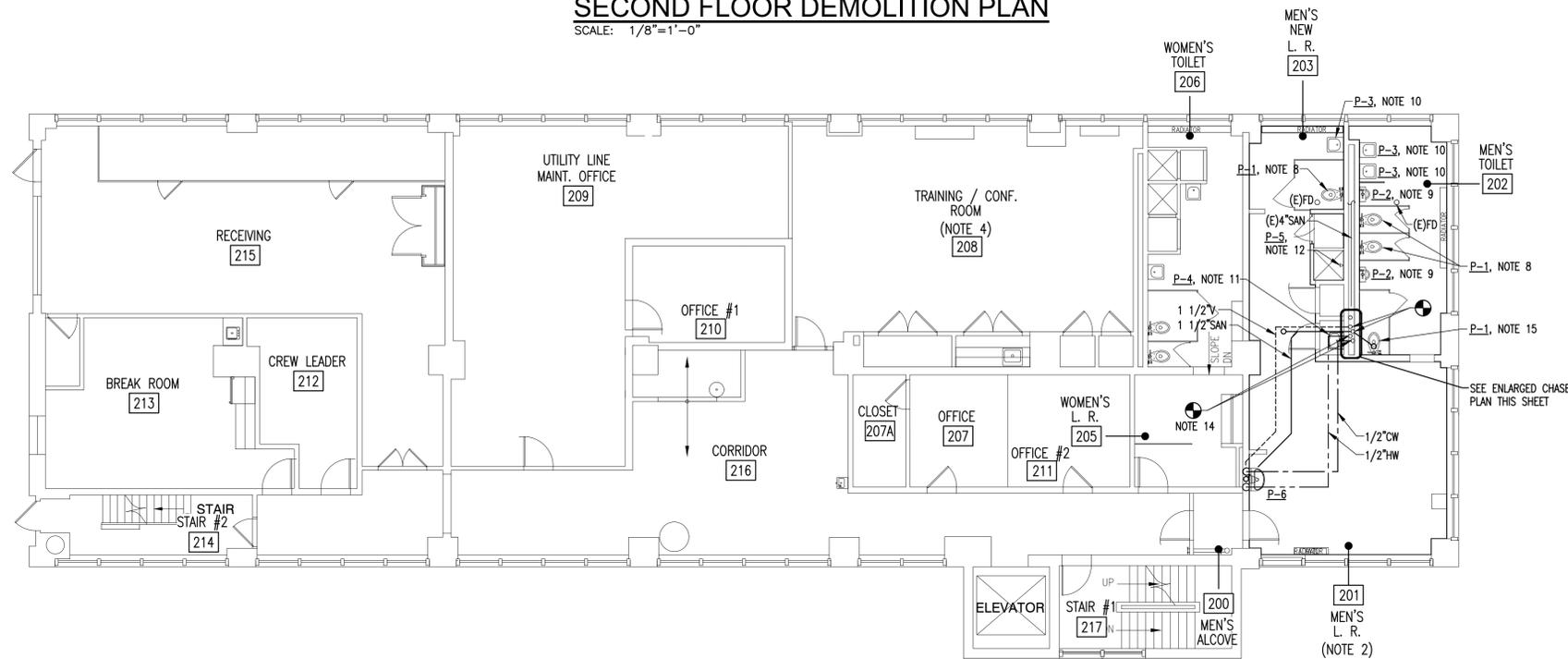


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P1.1



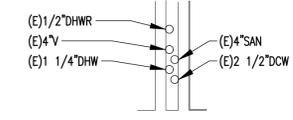
SECOND FLOOR DEMOLITION PLAN
SCALE: 1/8"=1'-0"



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

NOTES:

1. REMOVE WATER CLOSET COMPLETE. CAP DOMESTIC COLD WATER SUPPLY BACK AT DOMESTIC COLD WATER MAIN. REMOVE SANITARY BRANCH BACK TO SANITARY MAIN AND REPLACE SECTION OF SANITARY MAIN.
2. REMOVE LAVATORY COMPLETE. CAP DOMESTIC COLD WATER SUPPLY BACK AT DOMESTIC COLD WATER MAIN. REMOVE SANITARY BRANCH BACK TO SANITARY MAIN AND REPLACE SECTION OF SANITARY MAIN.
3. REMOVE WATER CLOSET. EXISTING STOP VALVE AND ALL CONNECTION POINTS FOR DOMESTIC COLD WATER SUPPLY, SANITARY AND VENT - SHALL REMAIN FOR RECONNECTION OF NEW FIXTURE.
4. REMOVE URINAL. EXISTING STOP VALVE AND ALL CONNECTION POINTS FOR DOMESTIC COLD WATER SUPPLY, SANITARY AND VENT SHALL REMAIN FOR RECONNECTION OF NEW FIXTURE.
5. REMOVE LAVATORY. EXISTING STOP VALVE AND ALL CONNECTION POINTS FOR DOMESTIC COLD WATER SUPPLY, DOMESTIC HOT WATER SUPPLY, SANITARY AND VENT - SHALL REMAIN FOR RECONNECTION OF NEW FIXTURE.
6. REMOVE EXISTING JANITOR'S SINK FOR RE-USE.
7. REMOVE SHOWER FIXTURE. EXISTING STOP VALVE AND ALL CONNECTION POINTS FOR DOMESTIC COLD WATER SUPPLY, DOMESTIC HOT WATER SUPPLY, SANITARY AND VENT.
8. RECONNECT P-1 TO EXISTING DOMESTIC COLD WATER SUPPLY, SANITARY AND VENT CONNECTIONS.
9. RECONNECT P-2 TO EXISTING DOMESTIC COLD WATER SUPPLY, SANITARY AND VENT CONNECTIONS.
10. RECONNECT P-3 TO EXISTING DOMESTIC COLD WATER SUPPLY, DOMESTIC HOT WATER SUPPLY, SANITARY AND VENT CONNECTIONS.
11. RE-FIT AND INSTALL JANITOR'S SINK REMOVED AFTER ROOM FINISH.
12. RECONNECT P-5 TO EXISTING DOMESTIC COLD WATER SUPPLY, DOMESTIC HOT WATER SUPPLY, SANITARY AND VENT CONNECTIONS
13. CONNECT 1/2" DOMESTIC COLD WATER AND 1/2" HOT WATER TO EXISTING RISERS IN CHASE.
14. CONNECT 1/2" DOMESTIC HOT AND COLD WATER TO EXISTING.
15. CONNECT P-1 TO EXISTING DOMESTIC COLD WATER SUPPLY. ROUTE NEW 3" SANITARY TO EXISTING WASTE IN CHASE.



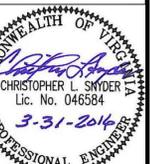
ENLARGED CHASE PLAN
SCALE: 1/8"=1'-0"



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**COLLEGE HILL
WATER TREATMENT PLANT
INTERIOR RENOVATIONS**

LYNCHBURG, VA. PROJECT NO: 11119 CITY PROJECT NO. 11030-BG



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CHECKED: CLS
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REVISIONS:

PLUMBING
SECOND FLOOR

PLAN LEGEND

RACEWAY

→ HOMERUN

WIRING DEVICES

⊖	RECEPTACLE, DUPLEX, NEMA 5-20.
S	SWITCH
OS	OCCUPANCY SENSOR, WALL-MOUNTED (NOTE 2)
OS	OCCUPANCY SENSOR, CEILING MOUNTED (NOTE 2)
HS	HUMIDISTAT (NOTE 4)

OVERCURRENT DEVICES

F	SAFETY SWITCH, FUSIBLE
M	STARTER, MANUAL

LIGHTING

□	FIXTURE, FLUORESCENT: SUSPENDED, SURFACE- OR PENDANT-MOUNTED
□	FIXTURE, FLUORESCENT: WALL-MOUNTED
○	FIXTURE: CEILING-MOUNTED
⊗ ⊙	FIXTURE, EXIT, UNSWITCHED, SINGLE-FACED, DOUBLE-FACED. ARROWS AS INDICATED ON DRAWING.

TELEPHONE / DATA SYSTEMS

▽ COMMUNICATIONS OUTLET BOX (NOTE 1)

FIRE DETECTION AND ALARM SYSTEM (NOTE 4)

F	MANUAL PULL STATION
F ^S	SMOKE DETECTOR
EK	EVACUATION NOTIFICATION DEVICE, COMBINATION AUDIBLE / VISUAL
EK	EVACUATION NOTIFICATION DEVICE, VISUAL ONLY

ABBREVIATIONS

C	CONDUIT
CH	COUNTER HEIGHT + ENOUGH ELEVATION TO CLEAR BACKSPASH
DEM	DEMOLISH
E>GFI	EXISTING, CONVERT TO GFI
EF	EXHAUST FAN
EGC	EQUIPMENT GROUNDING CONDUCTOR
ETR	EXISTING TO REMAIN
FCU	FAN COIL UNIT
FPFM	FUSE PER EQUIPMENT MANUFACTURER
GFI	GROUND FAULT INTERRUPTER
HP	HEAT PUMP
IG	ISOLATED GROUND
MIN	MINIMUM
MW	MICROWAVE
NTS	NOT TO SCALE
P	POLE
PH	PHASE
REL	RELOCATE
THD	TOTAL HARMONIC DISTORTION
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED

PLAN LEGEND NOTES

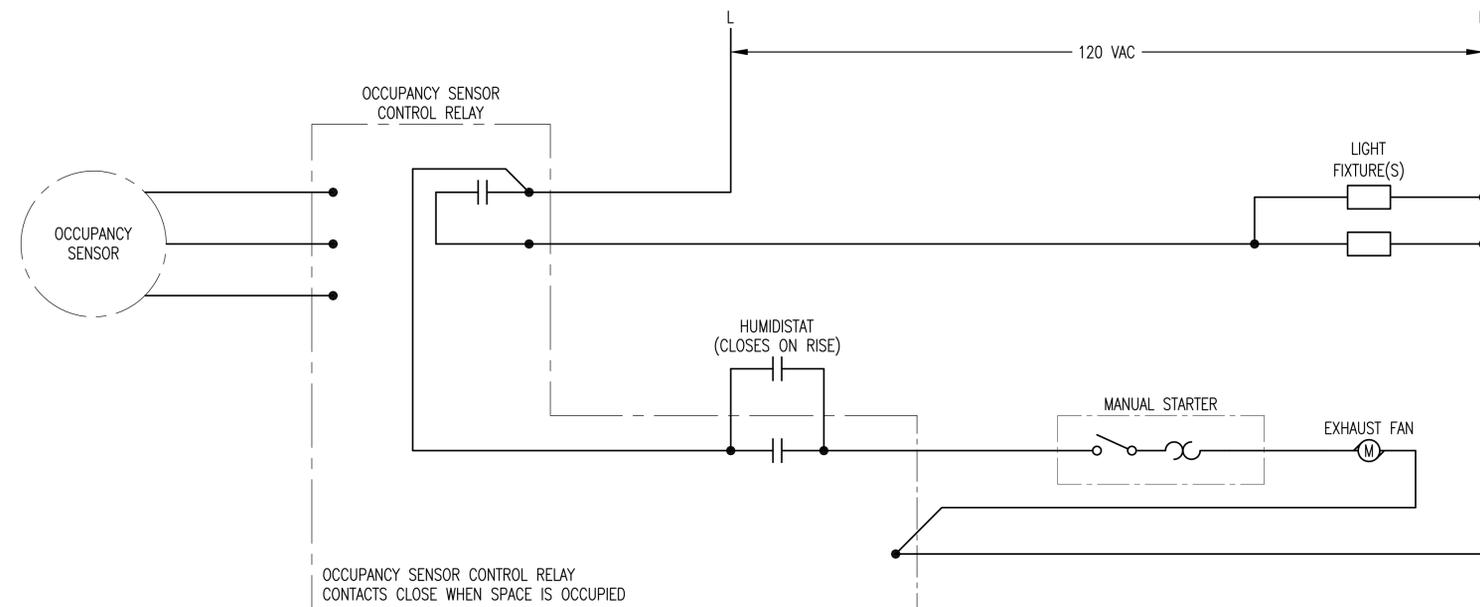
- A COMMUNICATIONS OUTLET BOX WILL BE A LOCATION TO WHICH TELEPHONE, DATA AND/OR CCTV CABLING CAN BE BROUGHT. AS APPLICABLE, TELEPHONE, DATA AND/OR CCTV JACKS CAN BE INSTALLED IN THE BOX COVERPLATE. CABLING, COVERPLATES AND JACKS WILL BE PROVIDED AND INSTALLED BY THE OWNER'S COMMUNICATIONS WIRING CONTRACTOR UNDER A SEPARATE CONTRACT.

COMMUNICATIONS OUTLET BOXES SHALL BE 4" x 4" x 2 1/2" DEEP, TWO-GANG, METALLIC OUTLET BOX WITH TWO-GANG PLASTER RING. ELECTRICALLY BOND COMMUNICATIONS OUTLET BOX TO ADJACENT POWER OUTLET VIA 1 #12 EGC - 3/4" C.

FROM EACH COMMUNICATION OUTLET BOX, RUN EMPTY, 3/4" CONDUIT BACK TO COMMUNICATIONS BACKBOARD. INSTALL PULL ROPE IN CONDUIT.
- INDICATES THAT LIGHTS IN SPACE SHALL BE CONTROLLED BY AN OCCUPANCY SENSOR. PROVIDE OCCUPANCY SENSORS, CONTROL RELAYS, WIRING, ETC OF TYPE AND QUANTITY REQUIRED FOR PROPER OPERATION.
- FIRE DETECTION AND ALARM SYSTEM COMPONENTS AND WIRING WILL BE PROVIDED UNDER A SEPARATE CONTRACT BY THE OWNER. PROVIDE OUTLET BOX AND CONDUIT SYSTEM WITH PULL CORDS AS SHOWN ON SIMPLEX / GRINNEL DRAWINGS.
- GRAINGER ITEM #2E547.

DRAWING LIST

E0.1	LEGEND AND NOTES
E1.1	LIGHTING & FIRE ALARM - EXISTING CONDITIONS
E1.2	LIGHTING & FIRE ALARM - REWORKED CONDITIONS
E1.3	LIGHTING & FIRE ALARM - TRAINING ROOM - REWORKED CONDITIONS
E2.1	POWER - EXISTING CONDITIONS
E2.2	POWER - REWORKED CONDITIONS



WIRING DETAIL - LIGHT & EXHAUST FAN CONTROL

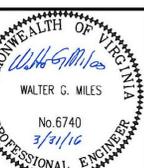
E2.2 - A - E0.1



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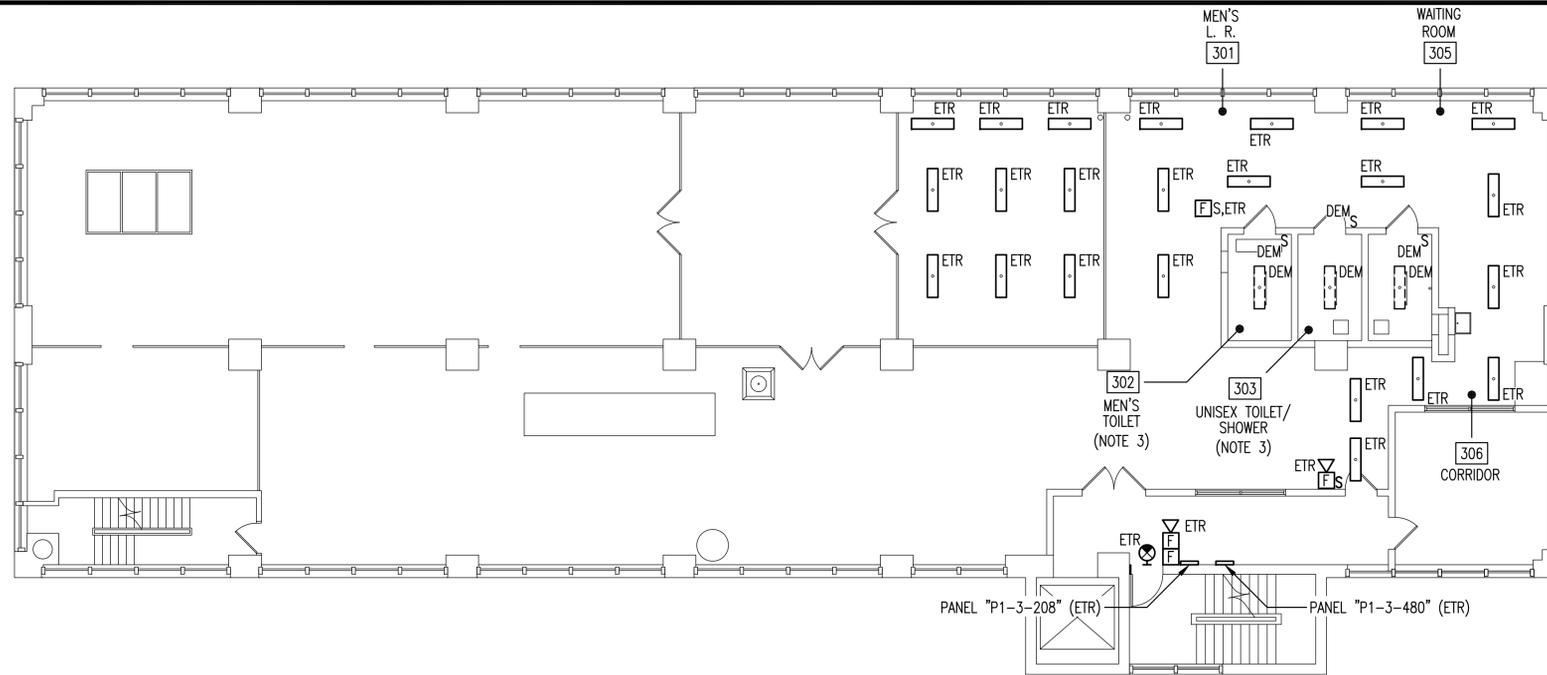
COLLEGE HILL WATER TREATMENT PLANT INTERIOR RENOVATIONS
 LYNCHBURG, VA. PROJECT NO: 11119 CITY PROJECT NO. 11030-BG



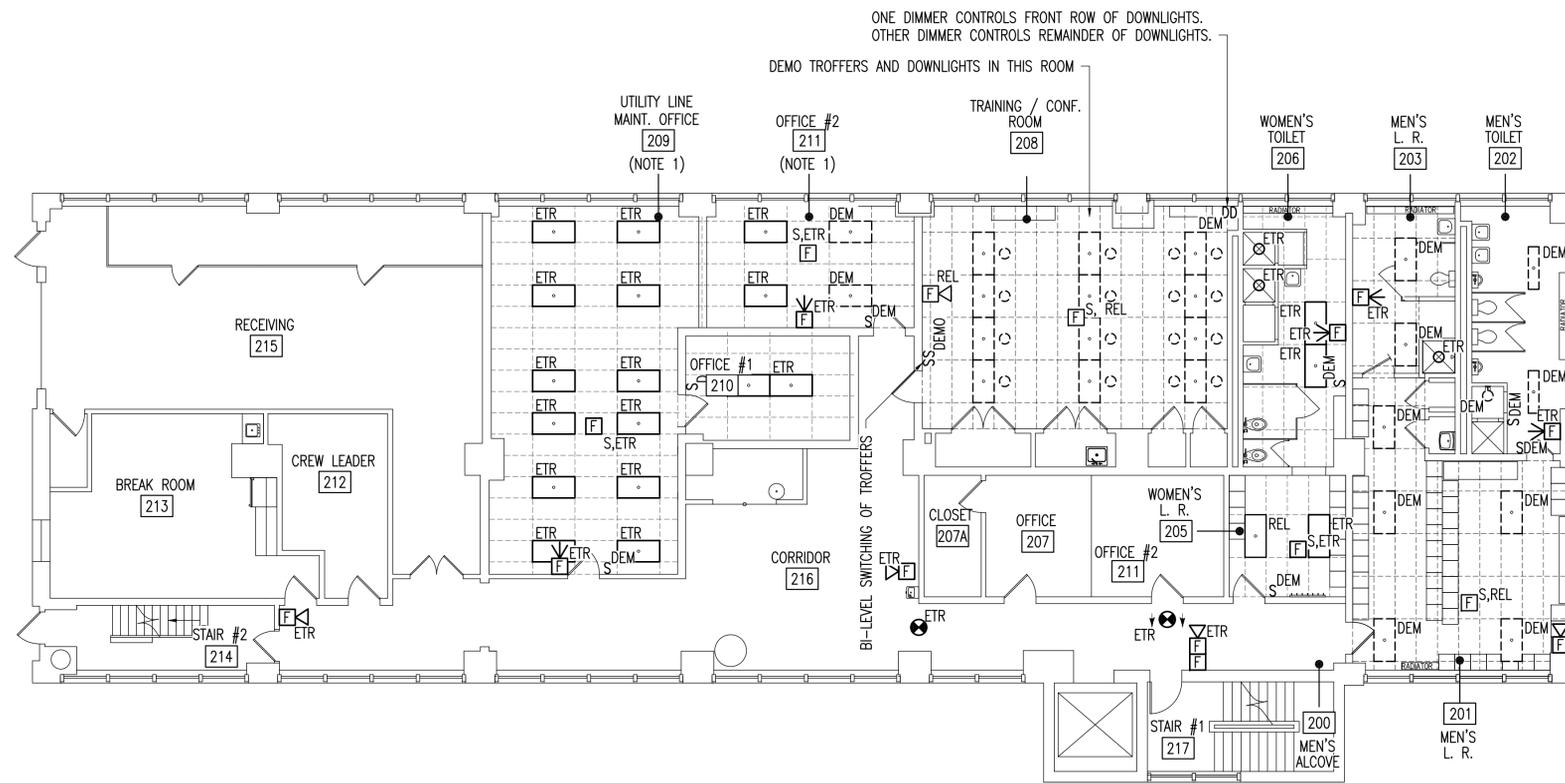
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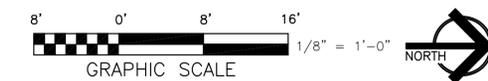
LEGEND, NOTES & ABBREVIATIONS



THIRD FLOOR



SECOND FLOOR



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LIGHTING & FIRE ALARM EXISTING CONDITIONS

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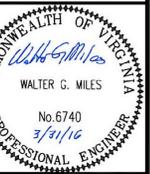


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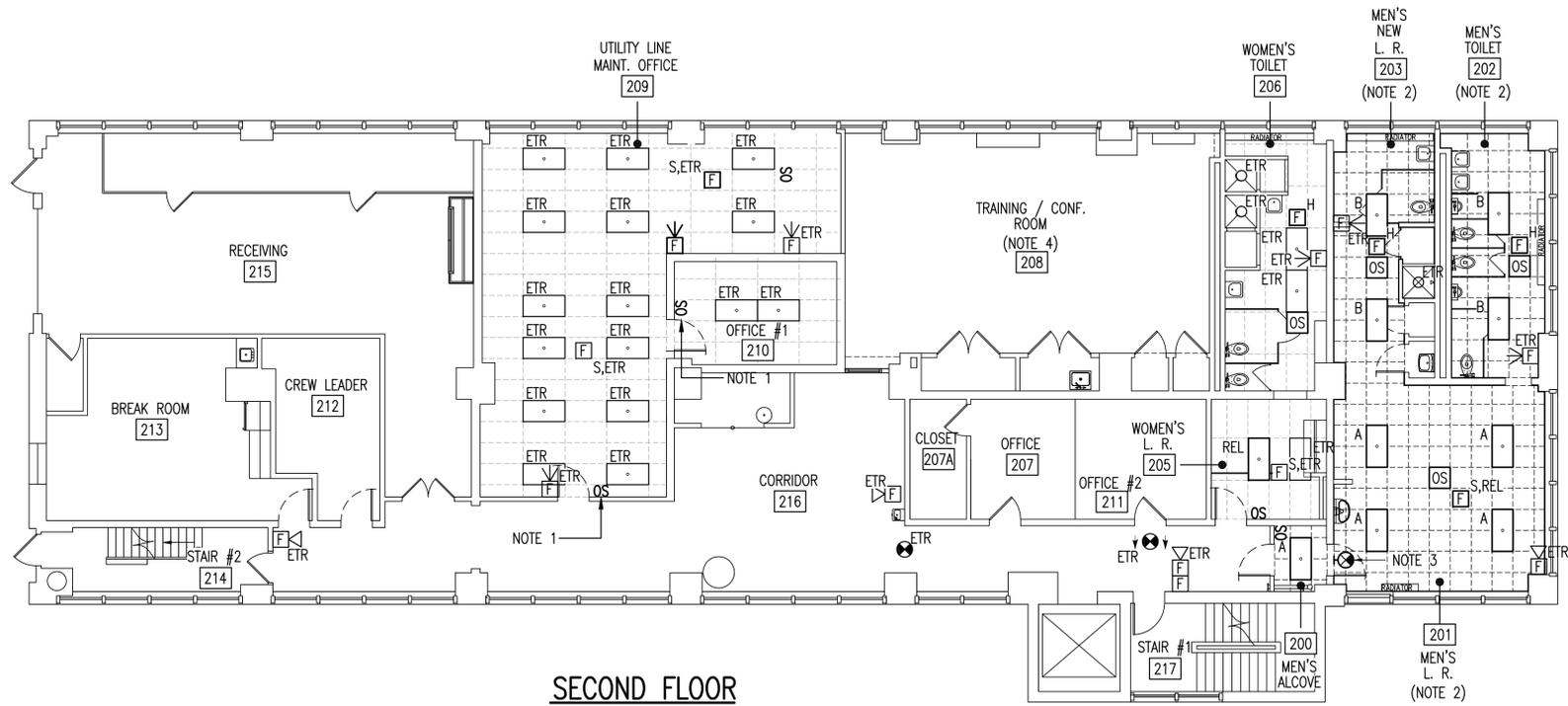
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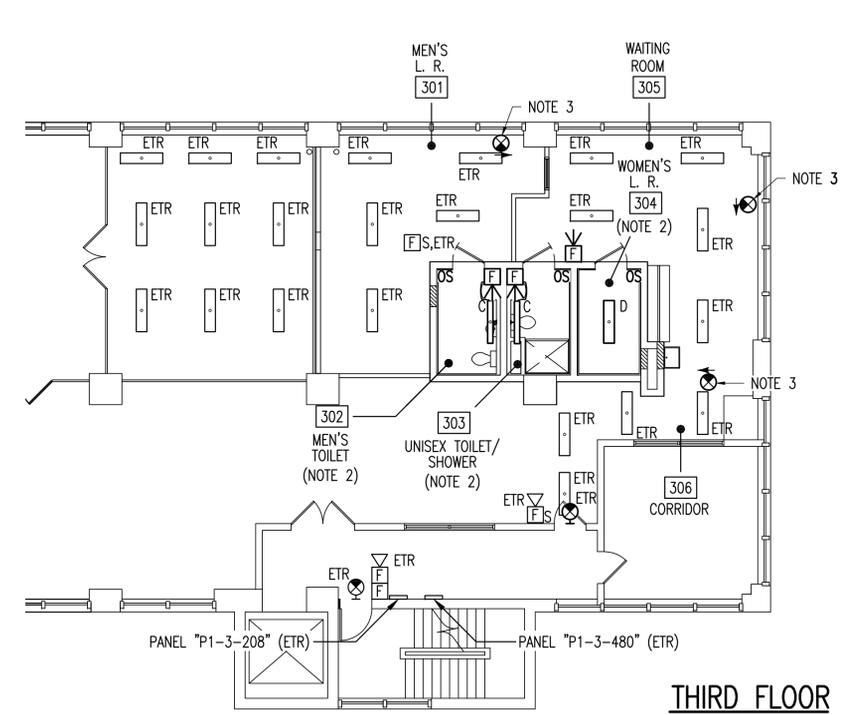
**LIGHTING
& FIRE ALARM
REWORKED
CONDITIONS**

3 OF 6

E1.2



SECOND FLOOR



THIRD FLOOR

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOG NUMBER *	VOLTAGE	VOLT-AMPERES (MAXIMUM)	LAMPS		BALLAST	DESCRIPTION
					QTY	TYPE **		
A	LITHONIA	2TL4-30L-LP830	***	25	N/A	LED ARRAY 3000 LUMENS	LED DRIVER (DIMMING)	HOUSING FORMED FROM COLD-ROLLED STEEL PAINTED AFTER FABRICATION. SMOOTH HEMMED SIDES AND SMOOTH INWARD-FORMED END FLANGES, STANDARD EXTRUDED ALUMINUM DOOR FRAME WITH MITERED CORNERS. POWDER-PAINTED ROTARY CAM LATCHES, INTEGRAL T-BAR CLIPS ACRYLIC SHIELDING MATERIAL IS 100% UV STABILIZED.
B	LITHONIA	2WRT-G-432-A12125	***	128	4	F32T8/TL830	THD<10%	24" x 48" TROFFER, HOUSING FORMED FROM COLD ROLLED STEEL. CLOSED-CELL NEOPRENE GASKETING BETWEEN THE LENS, DOORFRAME, HOUSING AND MOUNTING SURFACE. EXTRUDED ALUMINUM DOOR FRAME WITH CAM LATCHES. INTERNAL PRISM LENS. ALL METAL PARTS FINISHED WITH POWDER COAT PAINT AFTER FABRICATION. SLOW-BLOW FUSE.
C	ALIGHTS	AXL-E4-R-4-LS-30-D-LS-30-A	***	40	N/A	LED ARRAY	LED DRIVER	24" WALL MOUNT, ALUMINUM EXTRUDED HOUSING, PRECISION MILLED ENDCAPS, ELECTROSTATIC APPLIED POWDER COAT FINISH, UPLIGHT AND DOWNLIGHT
D	LITHONIA	AW-232	***	64	2	F32T8/TL830	THD<10%	STEEL HOUSING WITH HIGH-GLOSS BAKED WHITE ENAMEL FINISH, FLAT BOTTOM 100% VIRGIN ACRYLIC PRISMATIC DIFFUSER WITH SONIC-WELDED INJECTION MOLDED LUMINOUS ENDS, SINGLE FUSE
E	GOETHAM	EVO-30/07/MWD	***	10	N/A	LED ARRAY 700 LUMENS	LED DRIVER (DIMMING)	4" OPEN LED DOWNLIGHT
X	LITHONIA	LV-S-R-4X	***	10	1	LED ARRAY RED	N/A	CAST ALUMINUM HOUSING, 0.130" THICK CLEAR UV-STABLE POLYCARBONATE COVER, POLYCARBONATE FACEPLATE WITH UNIVERSAL DIRECTIONAL CHEVRONS, LED ARRAY, DAMP LOCATION

* => CATALOG NUMBERS ARE NOT COMPLETE. SEE VOLTAGE, BALLAST AND DESCRIPTION COLUMNS AS WELL AS SPECIFICATION SECTIONS 265100, 265110, 265120 AND 265130 FOR ADDITIONAL FEATURES.
 ** => FLUORESCENT LAMP CATALOG NUMBERS ARE THOSE OF THE PHILLIPS LIGHTING COMPANY. LAMP COLOR TEMPERATURE SHALL BE 3000 DEG K OR LESS.
 *** => FIXTURES WILL BE FED FROM EXISTING CIRCUITS. DETERMINE VOLTAGE IN FIELD.

NOTES (SHEET E1.2)

- PULL NEUTRAL TO OCCUPANCY SENSOR.
- FEED FIXTURES FROM CIRCUITS PRESENTLY SERVING DEMO'D FIXTURES IN THE AREA.
- FEED EXIT SIGNS FROM NEAREST EXISTING EXIT SIGN.
- FOR TRAINING ROOM LIGHTING, SEE DRAWING E1.3



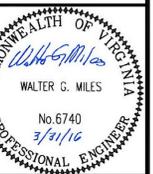
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LIGHTING & FIRE ALARM REWORKED CONDITIONS TRAINING ROOM 4 OF 6

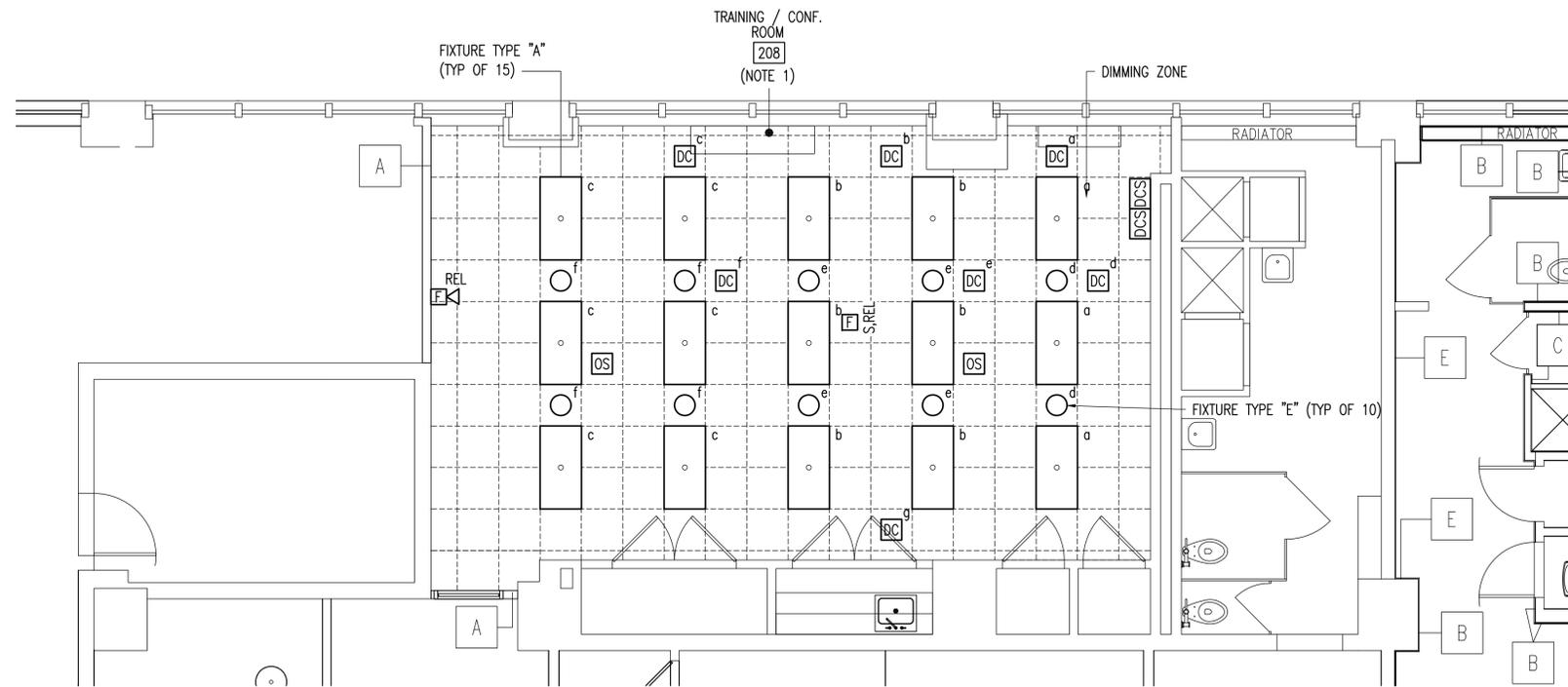
E1.3

NOTES (SHEET E1.3)

1. WHEN AN OCCUPANCY SENSOR SENSES THAT THE ROOM IS OCCUPIED, ALL LIGHTS SHALL BE ENERGIZED AT 30% BRIGHTNESS. EACH ZONE BRIGHTNESS SHALL BE FULLY ADJUSTABLE FROM 0% (OFF) TO 100% FROM ITS ASSOCIATED DIMMER CONTROL STATION.
2. ALL PRODUCTS SHALL BE ACUITY NLIGHT OR EQUAL.

CONTROL LEGEND (NOTE 2)

- OS OCCUPANCY SENSOR, NCM PDT 9 RJB
- DC DIMMING CONTROLLER, NPP16D
- DCS DIMMING CONTROL STATION (4-ZONE) NPODM 4P DX XX



SECOND FLOOR



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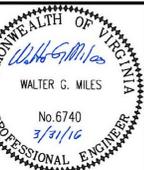


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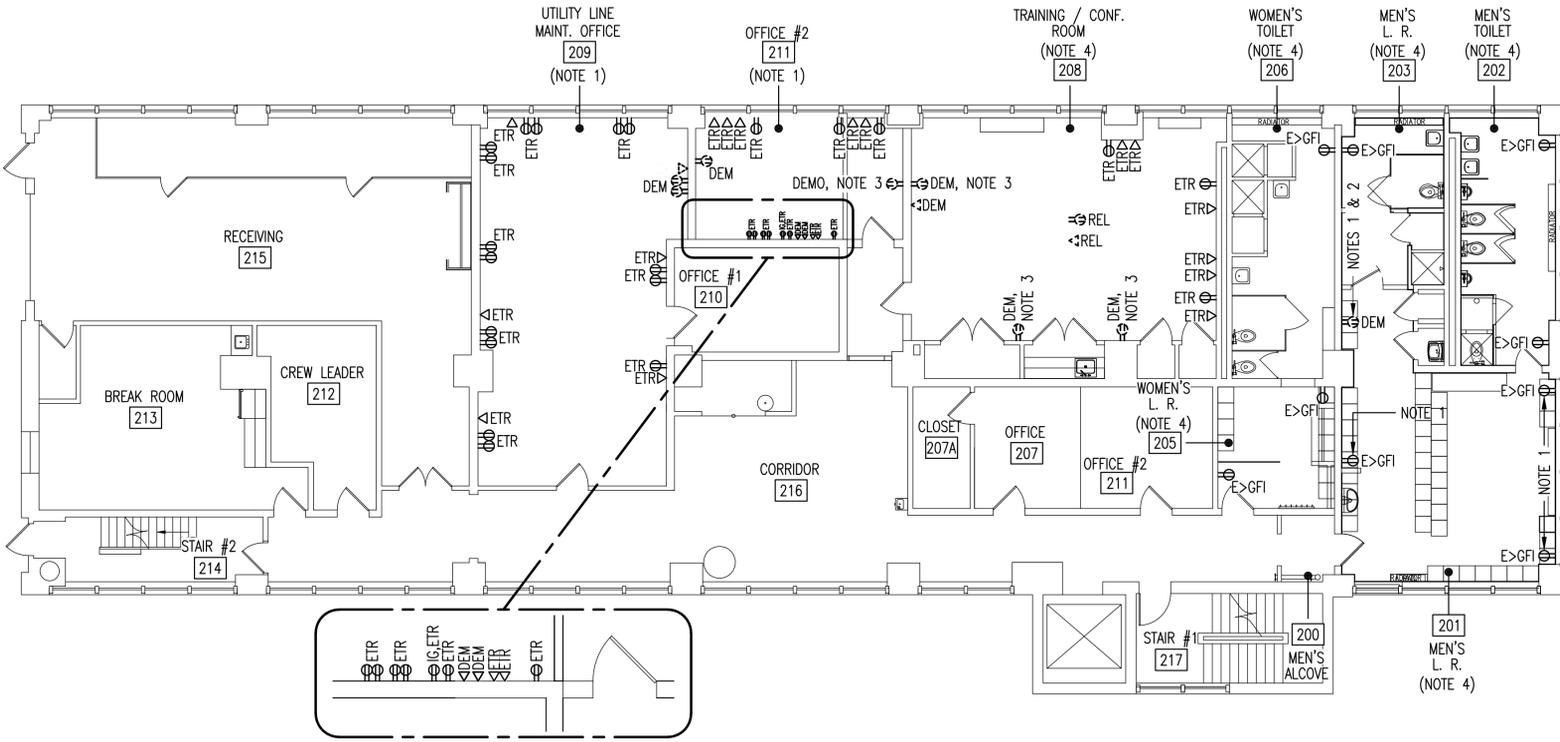
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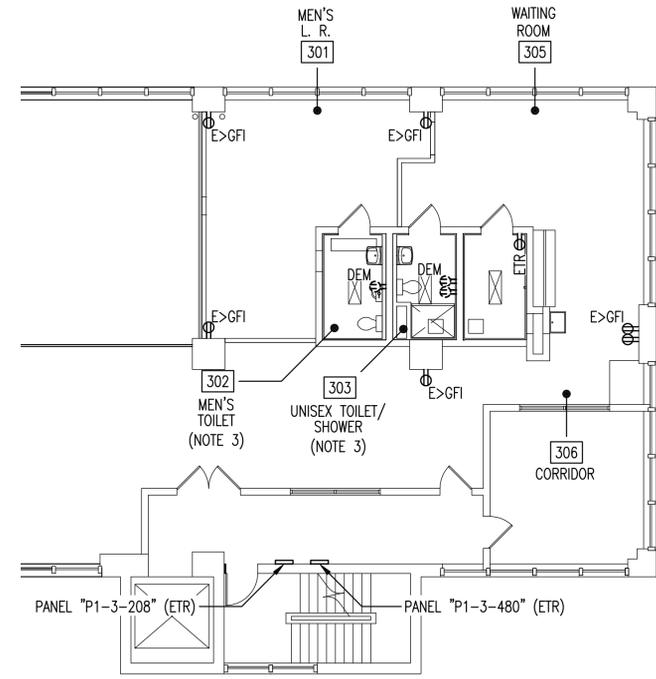
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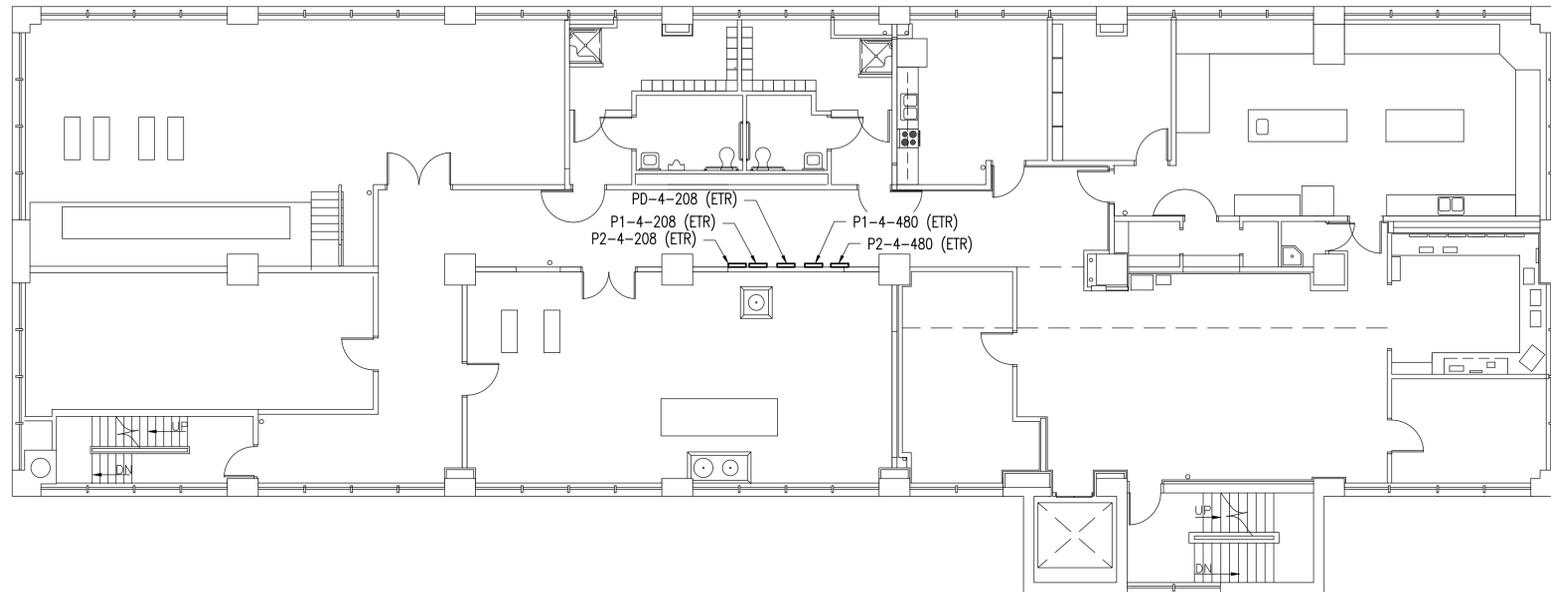
POWER EXISTING CONDITIONS



SECOND FLOOR



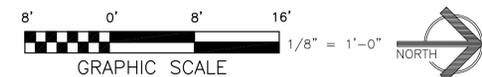
THIRD FLOOR



FOURTH FLOOR

NOTES (SHEET E2.1)

1. AFTER FURNITURE IS REMOVED, CONFIRM LOCATION OF EXISTING RECEPTACLES AND COMMUNICATION OUTLETS. INFORM ARCHITECT OF DISCREPANCIES.
2. DETERMINE HOW RECEPTACLE IS FED. REMOVE RECEPTACLE AND REWORK BRANCH CIRCUIT SO THAT WIRING NO LONGER RUNS THROUGH OUTLET BOX AND REMAINING RECEPTACLES ON CIRCUIT REMAIN ACTIVE. INSTALL BLANK COVER ON OUTLET BOX.
3. DETERMINE HOW RECEPTACLE IS FED. REWORK BRANCH CIRCUIT SO THAT REMAINING RECEPTACLES ON CIRCUIT REMAIN ACTIVE.
4. REPLACE EXISTING 120 VOLT RECEPTACLES AND COVERPLATES.



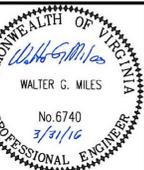
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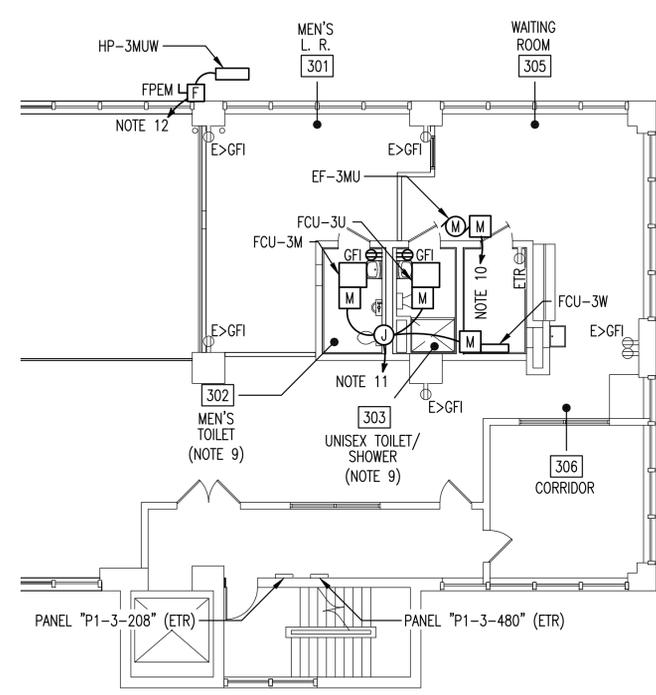
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POWER
REWORKED
CONDITIONS

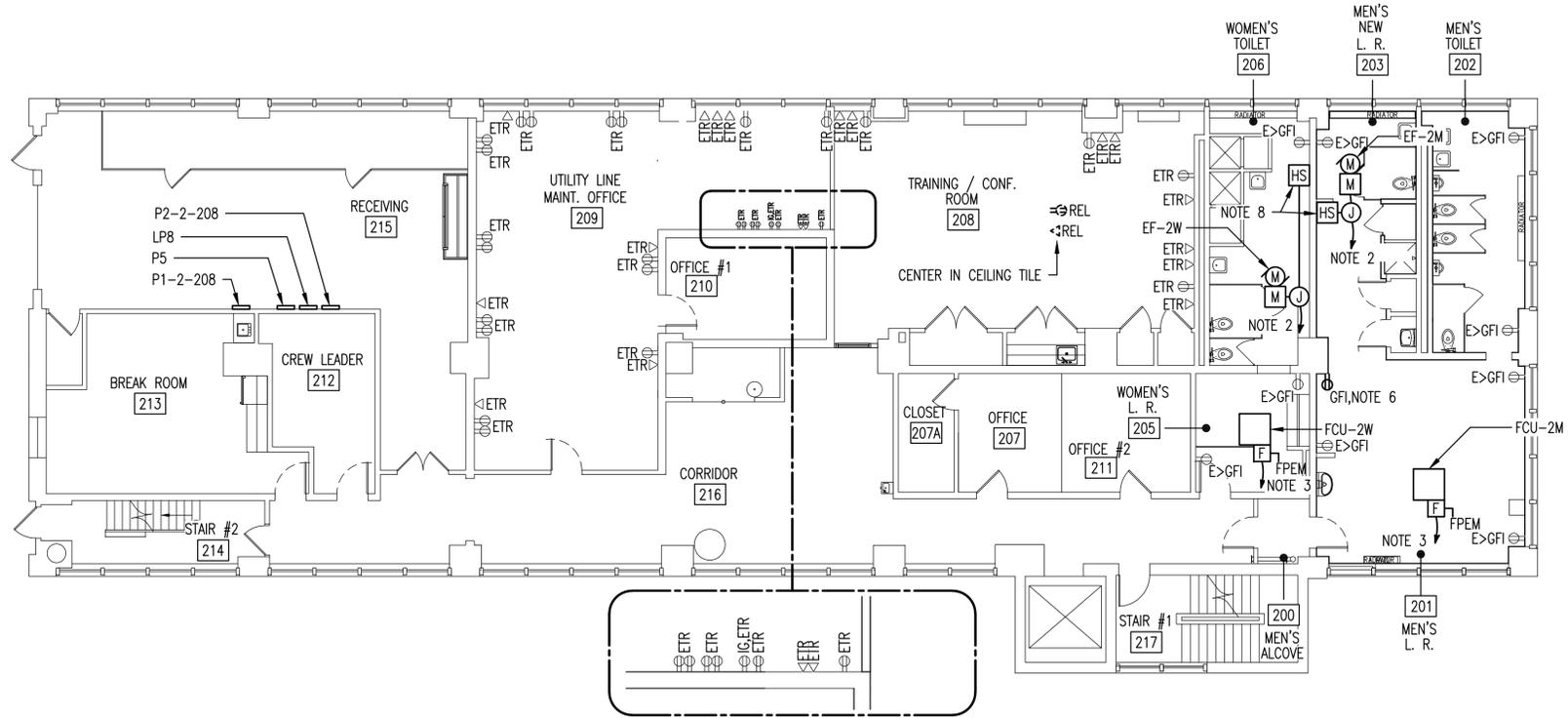


FOR LOCATION OF PANEL P1-4-208, SEE FOURTH FLOOR PLAN ON SHEET E2.1

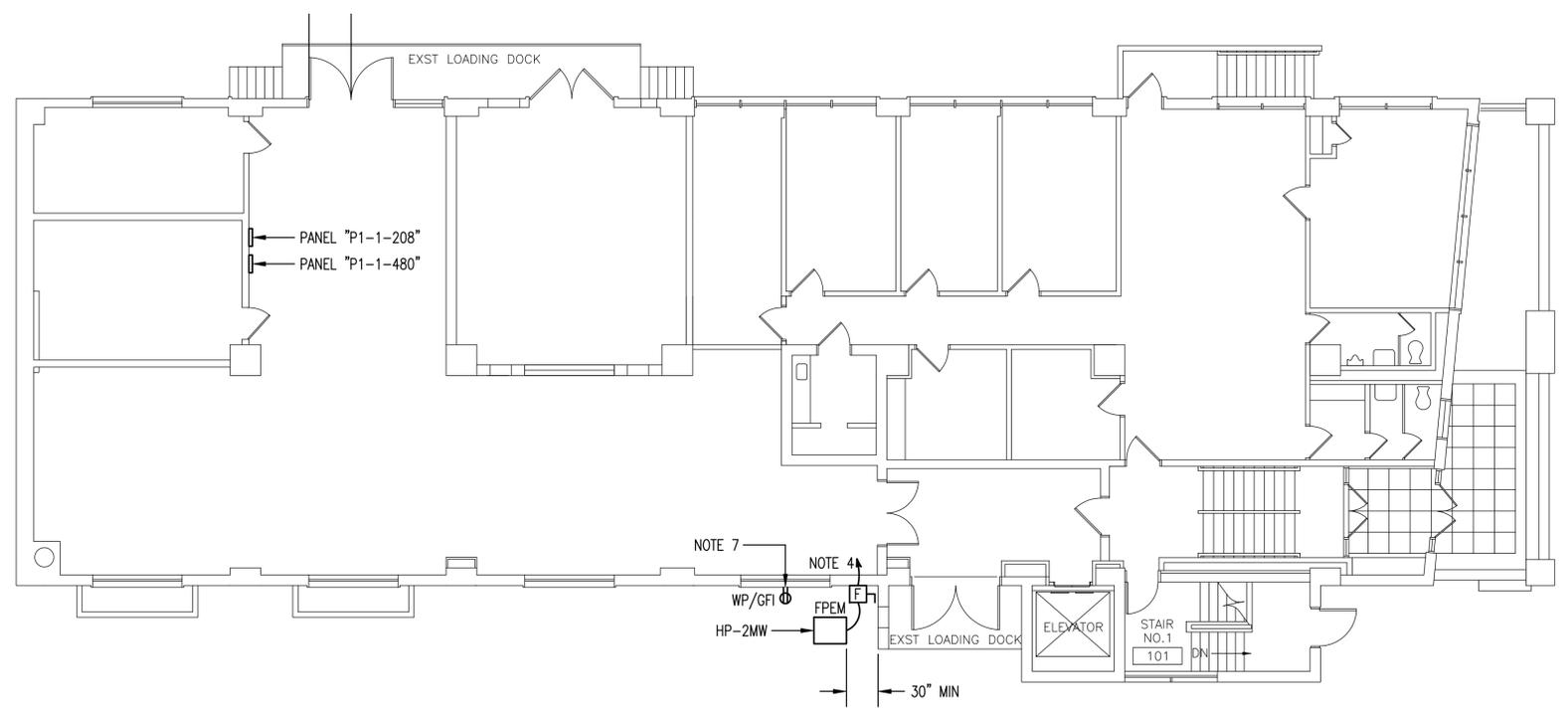
THIRD FLOOR

NOTES (SHEET E2.2)

- NOT USED
- FOR EACH EXHAUST FAN, RUN A 20 AMPERE CIRCUIT FROM 120 / 208 VOLT PANEL P2-2-208. INSTALL A SINGLE, 1P, 20 AT BREAKER IN THE PANEL TO SERVE THE THREE FANS.
- FOR EACH FAN COIL UNIT, RUN A 20 AMPERE CIRCUIT FROM 120 / 208 VOLT PANEL P2-2-208. INSTALL A 2P, 20 AT BREAKER IN THE PANEL.
- FOR THE HEAT PUMP, RUN A 30 AMPERE CIRCUIT FROM 277 / 480 VOLT PANEL P1-1-480. INSTALL A 3P, 30 AT BREAKER IN THE PANEL.
- COORDINATE WITH ARCHITECTURAL DETAIL A/A1.4.
- INSTALL THIS RECEPTACLE ONLY IF THE RECEPTACLE TO THE EAST DOES NOT EXIST OR MUST BE ABANDONED.
- RUN A 20 AMPERE CIRCUIT FROM 120 / 208 VOLT PANEL P1-1-208. INSTALL A 1P, 20 AT BREAKER IN THE PANEL.
- INSTALL HUMIDISTAT ON WALL 12" BELOW CEILING. SEE DETAIL A / E2.2 / E0.1.
- FOR EACH RECEPTACLE, RUN A 20 AMPERE CIRCUIT FROM 120 / 208 VOLT PANEL P1-4-208. INSTALL A 1P, 20 AT BREAKER IN THE PANEL.
- FOR EXHAUST FAN EF-3MU, RUN A 20 AMPERE CIRCUIT FROM 120 / 208 VOLT PANEL P1-4-208. INSTALL A SINGLE, 1P, 20 AT BREAKER IN THE PANEL.
- RUN A 20 AMPERE CIRCUIT FROM 120 / 208 VOLT PANEL P1-4-208. INSTALL A 2P, 20 AT BREAKER IN THE PANEL.
- RUN A 30 AMPERE CIRCUIT FROM 120 / 208 VOLT PANEL P1-4-208. INSTALL A 2P, 40 AT BREAKER IN THE PANEL.



SECOND FLOOR



FIRST FLOOR