

# CORNWALL PUBLIC LIBRARY HVAC SYSTEM REPLACEMENT PROJECT

395 HUDSON STREET  
CORNWALL, NEW YORK 12518  
SED #:44-03-01-06-6-009-006  
ISSUE DATE: JANUARY 26, 2023



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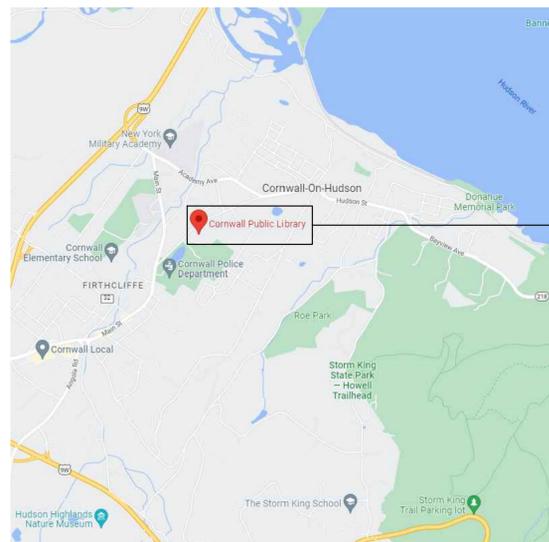
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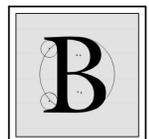
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PROJECT SITE

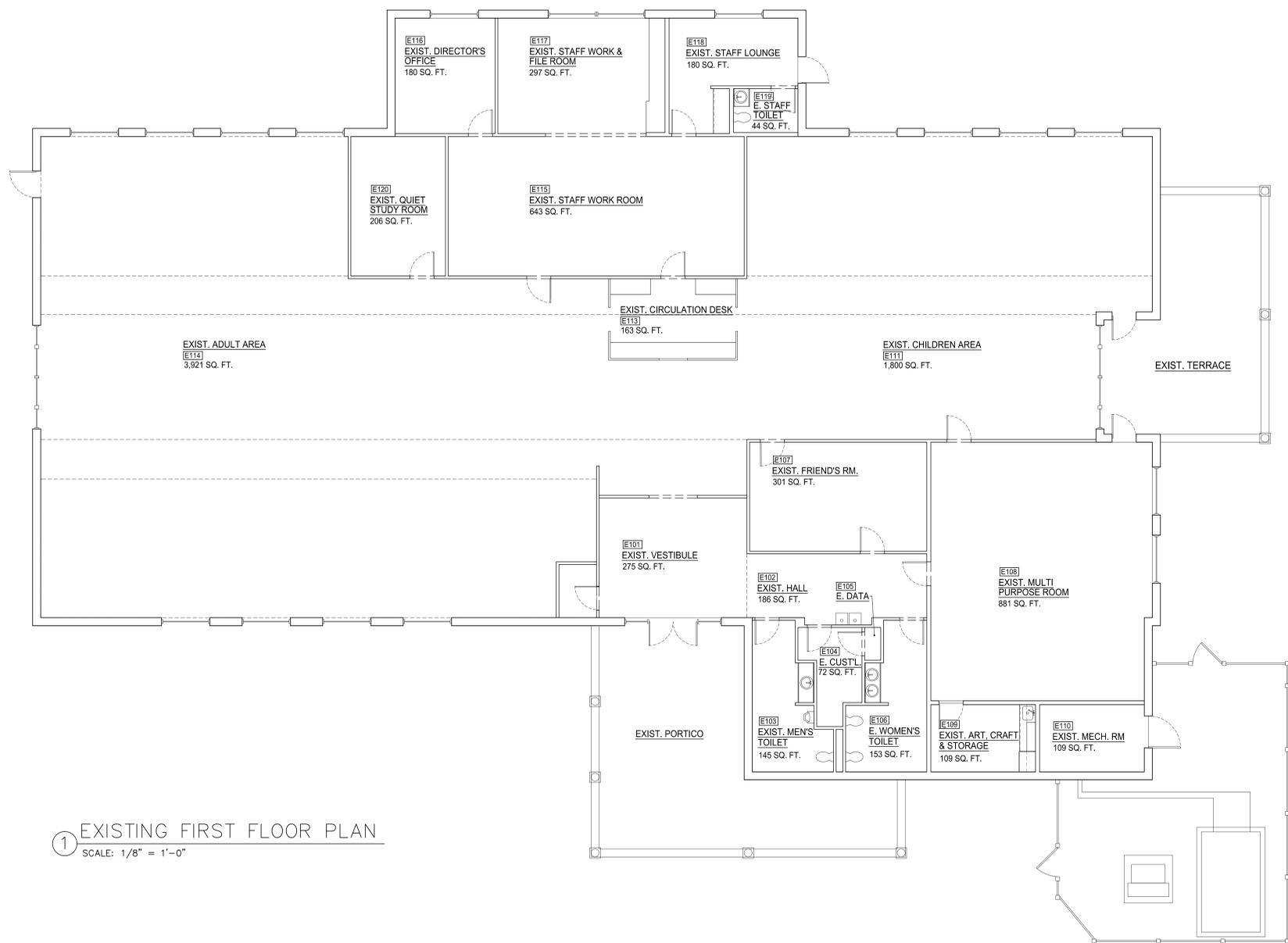
LOCATION MAP



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THE DESIGN OF THIS PROJECT CONFORMS TO APPLICABLE PROVISIONS OF THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE, AND THE MANUAL OF PLANNING STANDARDS OF THE NEW STATE EDUCATION DEPARTMENT



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

KEY PLAN:  
**'CORNWALL PUBLIC LIBRARY'**  
HUDSON ST.

PROJECT:  
**CORNWALL PUBLIC LIBRARY**  
**HVAC SYSTEM REPLACEMENT PROJECT**  
395 HUDSON STREET  
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**EXISTING PLAN FIRST FLOOR**

DATE	DRN	CHK	DESCRIPTION	
01.26.2023	BJK	BJK	CONSTRUCTION DWGS	
REV.	DATE	DRN	CHK	DESCRIPTION

PROJECT NO. **2150** SHEET NO. **AR.100**

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KEY PLAN:  
**'CORNWALL PUBLIC LIBRARY'**  
 HUDSON ST.  
  
 TRUE NORTH  
 PROJECT NORTH

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**EXISTING BUILDING EGRESS PLAN & CODE REVIEW**

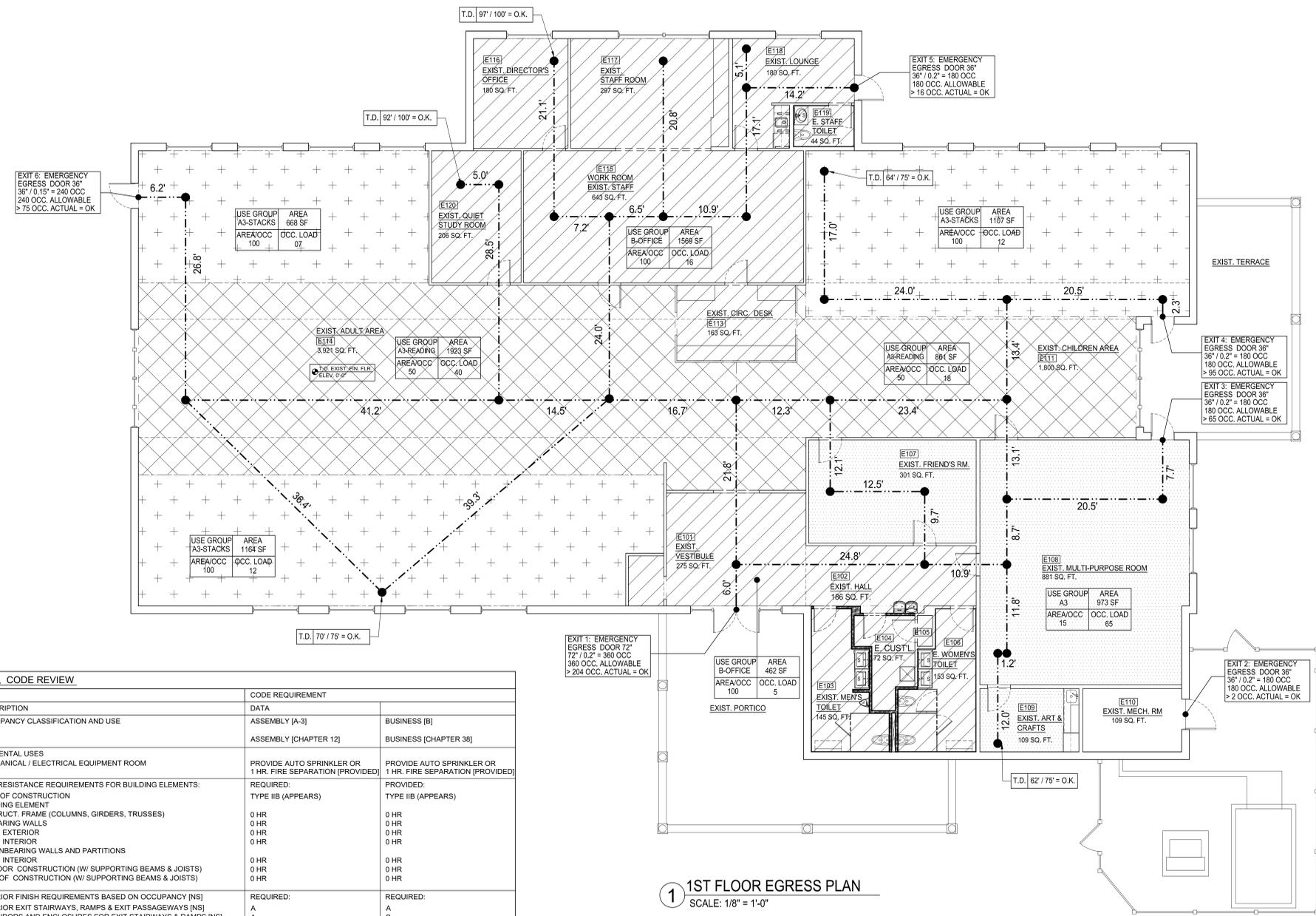
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01.26.2023	BJK	BJK	CONSTRUCTION DWGS

REV.	DATE:	DRN:	CHK:	DESCRIPTION:

PROJECT NO. **2150** SHEET NO. **T.01**

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**1 1ST FLOOR EGRESS PLAN**  
 SCALE: 1/8" = 1'-0"

**LIFE SAFETY SYMBOLS LEGEND:**  
**\*\*EXISTING BUILDING\*\***

**OCCUPANCY CLASSIFICATION**

- EXIST. BUILDING A OCCUPANCY TABLES & CHAIRS
- EXIST. BUILDING A OCCUPANCY LIBRARY STACKS
- EXIST. BUILDING A OCCUPANCY LIBRARY READING
- EXIST. BUILDING B OCCUPANCY OFFICE & STAFF

**OCCUPANCY LOAD WITH ROOM USE**

RM #	RM. NAME	ROOM NUMBER	ROOM NAME
USE	AREA	LOAD	

**TRAVEL DISTANCE**

T.D. ##### / #####  
 MAX. TRAVEL DISTANCE PERMITTED BY CODE  
 ACTUAL TRAVEL DISTANCE PERMITTED BY CODE

**EXIT PATH DIAGRAM**

●---●---●  
 TRAVEL DIST. SEGMENT (FT.)

**EXIT SIGNS**

EXIT SIGNS, SEE M.E.P. DWGS.

**EXISTING BUILDING, CODE REVIEW**

REGULATIONS	DESCRIPTION	CODE REQUIREMENT
B.C.N.Y.S. 301.4, 304.1 N.F.P.A. 101	OCCUPANCY CLASSIFICATION AND USE	ASSEMBLY [A-3] BUSINESS [B]
B.C.N.Y.S. 508.2.2 (TABLE 508.2)	INCIDENTAL USES MECHANICAL / ELECTRICAL EQUIPMENT ROOM	ASSEMBLY [CHAPTER 12] BUSINESS [CHAPTER 38]
B.C.N.Y.S. - 601	FIRE RESISTANCE REQUIREMENTS FOR BUILDING ELEMENTS: TYPE OF CONSTRUCTION BUILDING ELEMENT STRUCT. FRAME (COLUMNS, GIRDERS, TRUSSES) BEARING WALLS EXTERIOR INTERIOR NONBEARING WALLS AND PARTITIONS INTERIOR FLOOR CONSTRUCTION (W/ SUPPORTING BEAMS & JOISTS) ROOF CONSTRUCTION (W/ SUPPORTING BEAMS & JOISTS)	REQUIRED: TYPE IIB (APPEARS) PROVIDED: TYPE IIB (APPEARS)
B.C.N.Y.S. - 803 (TABLE 803.13)	INTERIOR FINISH REQUIREMENTS BASED ON OCCUPANCY [NS] INTERIOR EXIT STAIRWAYS, RAMPS & EXIT PASSAGEWAYS [NS] CORRIDORS AND ENCLOSURES FOR EXIT STAIRWAYS & RAMPS [NS] ROOMS AND ENCLOSED SPACES [NS]	REQUIRED: A A A C
B.C.N.Y.S. - 1004 (TABLE 1004.1)	OCCUPANT LOAD MAX. FLOOR AREA ALLOWANCE PER OCCUPANT: ASSEMBLY - UN-CONCENTRATED (TABLES) 15 NET ASSEMBLY - LIBRARY (STACKS) 100 GROSS ASSEMBLY - LIBRARY (READING) 50 NET BUSINESS AREAS 100 GROSS	ASSEMBLY USE: 1,471 SF / 15 SF = 99 PERSONS 2,995 SF / 100 SF = 30 PERSONS 2,932 SF / 50 SF = 59 PERSONS BUSINESS USE: 1,395 SF / 100 SF = 14 PERSONS
B.C.N.Y.S. - 1005 (TABLE 1005.1)	EXIT REQUIREMENT OCCUPANCY (N.S. = NON SPRINKLERED) STAIR CORRIDORS & DOORS	ASSEMBLY USE: (DOES NOT APPLY, NO STAIRS) 0.2' PER PERSON - PROVIDED BUSINESS USE: (DOES NOT APPLY, NO STAIRS) 0.2' PER PERSON - PROVIDED
B.C.N.Y.S. - 1006.2	EXIT REQUIREMENT COMMON PATH OF EGRESS TRAVEL (W/O SPRINKLER)	ASSEMBLY USE: 75'-0" (MAX) BUSINESS USE: 100'-0" (MAX)
B.C.N.Y.S. - 1017 (TABLE 1017.2)	EXIT REQUIREMENT EXIT ACCESS TRAVEL DISTANCE	ASSEMBLY USE: 200'-0" WITHOUT SPRINKLER SYST. - EXIST. BUILDING SATISFIES BUSINESS USE: 200'-0" WITHOUT SPRINKLER SYST. - EXIST. BUILDING SATISFIES
B.C.N.Y.S. - 1020.2 (TABLE 1020.2)	EXIT REQUIREMENT MINIMUM CORRIDOR WIDTH	0.2' PER PERSON, MIN = 44" - EXIST. BUILDING SATISFIES 0.2' PER PERSON, MIN = 44" - EXIST. BUILDING SATISFIES

**\*\*\*\*EXISTING BUILDING\*\*\*\*, PLUMBING FIXTURE COUNT**

CLASSIFICATION	OCCUPANCY	DESCRIPTION	REQUIREMENTS:
ASSEMBLY [A-3]	[A-3]	LIBRARY	WATER CLOSET (WC) MALE 1 WC / 125 OCC FEMALE 1 WC / 65 OCC LAVATORIES (LAV) MALE 1 LAV / 200 OCC FEMALE 1 LAV / 200 OCC DRINKING FOUNTAIN 1 DF / 500 OCC SERVICE SINK (SS) 1 SERVICE SINK
BUSINESS [B]	[B]	OFFICE STAFF	WATER CLOSET (WC) MALE 1 WC / 125 OCC FEMALE 1 WC / 65 OCC LAVATORIES (LAV) MALE 1 LAV / 200 OCC FEMALE 1 LAV / 200 OCC DRINKING FOUNTAIN 1 DF / 500 OCC SERVICE SINK (SS) 1 SERVICE SINK

ANALYSIS & DESIGN:

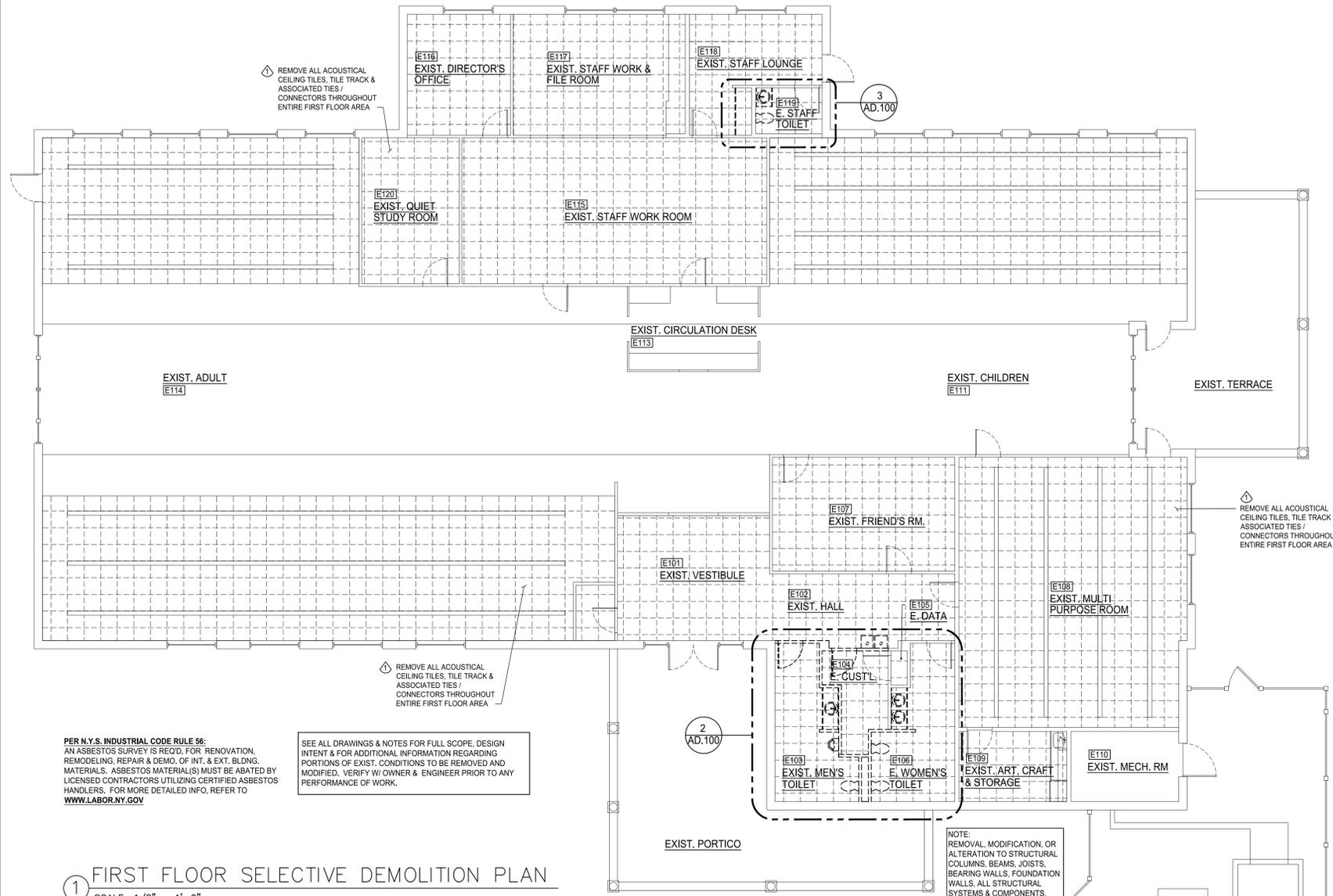
OCCUPANTS = 202 PERSONS x 0.5 = 101 MALES & 101 FEMALES

WATER CLOSETS (WC):  
 MALE: 101 P / 125 OCC = (1) W.C. REQUIRED. (1) W.C. PROVIDED & (1) URINAL PROVIDED = O.K.  
 FEMALE: 101 P / 65 OCC = (2) W.C. REQUIRED. (2) W.C. PROVIDED = O.K.

LAVATORIES (LAV):  
 MALE: 101 P / 200 OCC = (1) LAV REQUIRED. (2) LAVATORIES PROVIDED = O.K.  
 FEMALE: 101 P / 200 OCC = (1) LAV REQUIRED. (2) LAVATORIES PROVIDED = O.K.

DRINKING FOUNTAIN (DF):  
 MALE + FEMALE = 202 P / 500 OCC = (1) WATER FOUNTAIN REQUIRED (1) WATER FOUNTAIN PROVIDED = O.K.

SERVICE SINK (SS):  
 (1) SERVICE SINK REQUIRED & (1) SERVICE SINK PROVIDED = O.K.



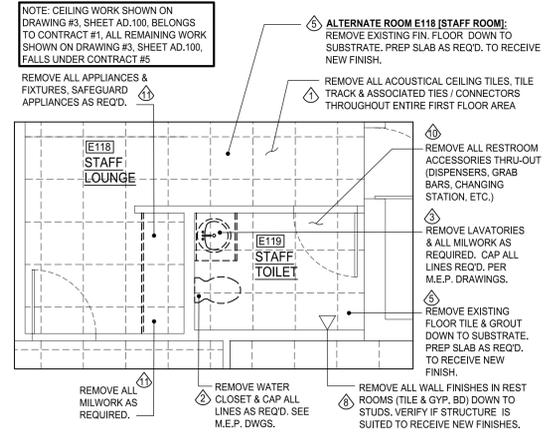
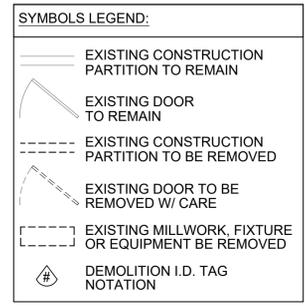
- GENERAL DEMOLITION NOTES:**
- A PRE DEMOLITION CONFERENCE SHALL BE SCHEDULED BETWEEN OWNER, CONTRACTOR AND ENGINEER A MINIMUM OF 10 WORKING DAYS BEFORE THE START OF ANY DEMOLITION WORKS.
  - CONTRACTOR SHALL COORDINATE ACTIVITIES OF ALL TRADES TO ASSURE AN ORDERLY & EFFICIENT EXECUTION FOR EACH PART OF THE WORK. CONTRACTOR & ALL SUB CONTRACTORS SHALL COORDINATE ALL DEMOLITION OPERATIONS THAT ARE DEPENDENT UPON EACH OTHER FOR PROPER WORK EXECUTION AS REQUIRED TO FULFILL DESIGN INTENT AS OUTLINED WITHIN THE CONSTRUCTION DOCUMENTS. COORDINATE CEILING, WALL, AND FLOOR DEMOLITION (INCLUDING ANY RELATED FINISHES) AS REQUIRED FOR NEW M.E.P. EQUIPMENT AND FIXTURES AS WELL AS ARCHITECTURAL FINISHES. REFER TO ALL CONSTRUCTION DOCUMENTS & NOTES FOR FULL SCOPE OF DEMOLITION WORK REQUIRED.
  - CONTRACTOR MUST REVIEW & VERIFY, WITH THE BUILDING OWNER & THE ENGINEER, ANY ITEMS AND EQUIPMENT THAT MAY BE RETAINED OR SALVAGED DURING DEMOLITION PRIOR TO THE COMMENCEMENT OF WORK. CONTRACTOR SHALL PERFORM A VISUAL INSPECTION OF ALL EXISTING CONDITIONS TO REMAIN AND SHALL PROVIDE REASONABLE AND ADEQUATE PROTECTION DURING THE DEMOLITION PHASE.
  - PERFORM ALL REMOVALS AND RELATED WORK AS OUTLINED WITHIN THESE CONSTRUCTION DOCUMENTS, AS DESCRIBED IN THESE NOTES AND AS REASONABLY UNDERSTOOD AS NECESSARY TO ENSURE ALL DEMOLITION WORK IS PERFORMED AS REQUIRED AND PREPARED ACCORDINGLY.
  - CONTRACTOR SHALL VERIFY ALL EXISTING CONSTRUCTION, DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY DEMOLITION WORK. THE CONTRACTOR SHALL IMMEDIATELY REPORT ANY DISCREPANCIES TO THE OWNER AND THE ENGINEER PRIOR TO STARTING ANY WORK. COMMENCEMENT OF WORK SHALL IMPLY THE ACCEPTANCE OF ALL EXISTING CONDITIONS. NO WORK WILL TAKE PLACE WHICH ALTERS THE BUILDING'S STRUCTURE AND ANY PROTECTIVE FIREPROOFING ASSEMBLY.
  - AN INSPECTION FOR POTENTIAL HAZARDOUS MATERIALS SHALL BE PERFORMED BY A LICENSED TESTING AGENCY, AS REQUIRED. IF ASBESTOS OR ANY HAZARDOUS MATERIALS ARE DISCOVERED OR ENCOUNTERED, THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY AND SHALL CEASE ANY WORKS WHICH WOULD CONTINUE TO DISTURB THE HAZARDOUS MATERIAL. HAZARDOUS MATERIALS REQUIRE PROPER MITIGATION INCLUDING BUT NOT LIMITED TO REMOVAL, ENCAPSULATION, CLEAN UP AND LEGAL DISPOSAL. WORK MAY ONLY RESUME UPON WRITTEN APPROVAL GRANTED BY THE OWNER'S PROFESSIONAL CONSULTANT IN CHARGE OF HANDLING THE MITIGATION PROCESS.
  - CONTRACTOR SHALL COMPLY WITH THE RULES OF THE BUILDING AND THE OWNERS REQUIREMENTS FOR HANDLING OF MATERIALS, EQUIPMENT, DEBRIS, ETC. TO ENSURE THAT THE BUILDING'S OPERATIONS ARE NOT INTERFERED WITH OR DISRUPTED. ALL DEMOLITION WORK SHALL BE PERFORMED DURING THE HOURS AS OUTLINED & APPROVED BY THE OWNER. THE REMOVAL OF DEBRIS, EQUIPMENT, MATERIALS, ETC. SHALL BE SCHEDULED ACCORDINGLY TO INSURE THE BUILDING OCCUPANTS ARE NOT INCONVENIENCED.
  - CONTRACTOR SHALL EMPLOY ALL MEANS AND METHODS THAT MINIMIZE NOISE, DUST, VIBRATIONS, POLLUTANTS, AND ANY POSSIBLE DISTURBANCES TO OPERATION OF ADJACENT OCCUPIED SPACES. REQUIRED DISRUPTIONS IN SERVICE SHALL BE PROPERLY COORDINATED, SCHEDULED AND APPROVED BY THE OWNER AND SERVICE PROVIDER.
  - CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE PROPER IDENTIFICATION OF ALL EXISTING BUILDING SYSTEM MATERIALS REQUIRING REMOVAL. QUESTIONS REGARDING IDENTIFICATION SHALL BE BROUGHT TO IMMEDIATE ATTENTION OF THE ENGINEER.
  - FIRE RATED PARTITIONS SHALL BE MAINTAINED AS REQUIRED, SEAL ANY NEW OPENINGS IN NEW OR EXISTING ASSEMBLIES AS REQUIRED.
  - CONTINUITY OF SERVICES THROUGH OUT THE BUILDING SHALL BE MAINTAINED AS REQUIRED. CONTRACTOR SHALL PROVIDE TEMPORARY SERVICES AND SYSTEMS AS REQUIRED.
  - ABANDONING ITEMS, SERVICES, OR UNUSED UTILITIES IN PLACE IS STRICTLY PROHIBITED UNLESS SPECIFICALLY PERMITTED BY THE ENGINEER & ISSUED IN WRITTEN FORM.
  - REFER TO ALL CONSTRUCTION DOCUMENTS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

PER N.Y.S. INDUSTRIAL CODE RULE 56: AN ASBESTOS SURVEY IS REQ'D. FOR RENOVATION, REMODELING, REPAIR & DEMO. OF INT. & EXT. BLDG. MATERIALS. ASBESTOS MATERIAL(S) MUST BE ABATED BY LICENSED CONTRACTORS UTILIZING CERTIFIED ASBESTOS HANDLERS. FOR MORE DETAILED INFO, REFER TO WWW.LABOR.NY.GOV

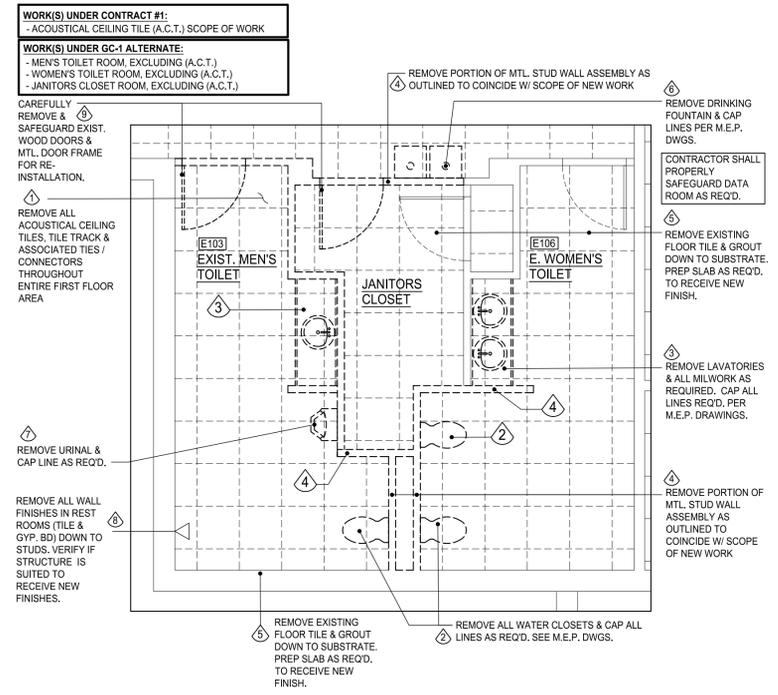
SEE ALL DRAWINGS & NOTES FOR FULL SCOPE, DESIGN INTENT & FOR ADDITIONAL INFORMATION REGARDING PORTIONS OF EXIST. CONDITIONS TO BE REMOVED AND MODIFIED. VERIFY W/ OWNER & ENGINEER PRIOR TO ANY PERFORMANCE OF WORK.

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

- KEYED DEMOLITION NOTES:**
- GENERAL DEMOLITION NOTES:**
- REMOVE EXISTING ACOUSTICAL CEILING TILE, GRID & CONNECTORS. EXISTING LIGHTING FIXTURES SHALL REMAIN AS OUTLINED WITHIN M.E.P. DRAWINGS. (PROTECT DURING DEMOLITION & RENOVATION PROCESS). EXISTING GYPSUM BOARD CEILINGS SHALL REMAIN (PROTECT DURING DEMOLITION & RENOVATION PROCESS). REFER TO M.E.P. DRAWINGS FOR SCOPE OF NEW CONSTRUCTION.
  - REMOVE WATER CLOSETS & RELATED FITTING & ACCESSORIES IN MEN'S ROOM AND WOMEN'S ROOM, CAP LINES AS OUTLINED WITHIN M.E.P. DRAWINGS & NOTES.
  - REMOVE ALL LAVATORIES, RELATED FITTING, ACCESSORIES & TRAPS IN MEN'S ROOM & WOMEN'S ROOM, INCLUDING LAVATORY COUNTER, BASE & ALL MILLWORK. CAP ALL LINES AS REQ'D. SEE M.E.P. DWGS.
  - REMOVE PORTIONS OF MTL. STUD WALL ASSEMBLY (PER OUTLINE & WORK SCOPE) INCLUDING UPPER & LOWER TRACKS INCLUDING GYP. BD. FINISH). SECURE ALL EXISTING WALL PORTIONS THAT ARE TO REMAIN. ALL CUTS TO BE SAW CUT PLUMB AND LEVEL. SEE M.E.P. DRAWINGS FOR NOTES REGARDING WIRING & PLUMBING LINES WITHIN WALLS.
  - REMOVE EXISTING FLOOR TILE AND THINSET / ADHESIVE DOWN TO EXISTING SUBSTRATE (IN MEN'S & WOMEN'S TOILET ROOMS). PREPARE SUBSTRATE AS REQ'D. TO RECEIVE NEW FINISHES.
  - REMOVE DRINKING FOUNTAIN, RELATED FITTINGS & ACCESSORIES & CAP LINES AS OUTLINED WITHIN M.E.P. DRAWINGS & NOTES.
  - REMOVE URINAL, RELATED FITTINGS & ACCESSORIES IN MEN'S ROOM, CAP LINES AS OUTLINED WITHIN M.E.P. DRAWINGS & NOTES.
  - REMOVE ALL WALL & COVE BASE TILE, ALONG WITH THINSET ADHESIVES WITHIN MEN'S AND WOMEN'S TOILET ROOMS. ENGINEER SHALL EXAMINE CONDITION OF EXISTING STRUCTURE TO VERIFY IF IT REQUIRES ADDITIONAL WORK(S) OR IF IT IS ADEQUATE TO ACCEPT NEW FINISH ASSEMBLY. ALL CUTS TO BE SAW CUT PLUMB AND LEVEL. SEE M.E.P. DRAWINGS FOR NOTES REGARDING OUTLETS, BOXES, WIRING & PLUMBING LINES WITHIN WALLS.
  - CAREFULLY REMOVE & SAFEGUARD EXISTING WOOD DOORS & METAL DOOR FRAMES. PREP AS REQUIRED FOR REFINISHING. PROVIDE NEW MATCHING HARDWARE, KICKPLATE, HINGES, ETC. AS REQ'D. REINSTALL DOORS INTO NEWLY FRAMED WALL PARTITION AS REQ'D.
  - CAREFULLY REMOVE ALL RESTROOM ACCESSORIES (GRAB BARS, DISPENSERS, BABY CHANGING STATION, ETC.). CONTRACTOR SHALL PERFORM QUALITY REVIEW TO VERIFY IF REUSE IS VIABLE & WHETHER ACCESSORY COMPLIES WITH PROPOSED DESIGN INTENT.
  - CAREFULLY REMOVE ALL MILLWORK, COUNTER TOPS, HARDWARE & FIXED APPLIANCES.



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



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

**KEY PLAN:**

'CORNWALL PUBLIC LIBRARY'

HUDSON ST.

TRUE NORTH  
PROJECT NORTH

**PROJECT:**  
CORNWALL PUBLIC LIBRARY  
HVAC SYSTEM  
REPLACEMENT PROJECT  
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**FIRST FLOOR SELECTIVE DEMO PLAN**

DATE:	DRN	CHK	DESCRIPTION
01.26.2023	BJK	BJK	CONSTRUCTION DWGS

REV.	DATE:	DRN	CHK	DESCRIPTION

PROJECT NO. **2150** SHEET NO. **AD.100**

**KEY PLAN:**

'CORNWALL PUBLIC LIBRARY'

HUDSON ST.

TRUE NORTH

PROJECT NORTH

**PROJECT:**  
 CORNWALL PUBLIC LIBRARY  
 HVAC SYSTEM REPLACEMENT PROJECT  
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 SED #: 44-03-01-06-G-009-006

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**EXISTING FLOOR PLAN WITH RESTROOM ALTERATION**

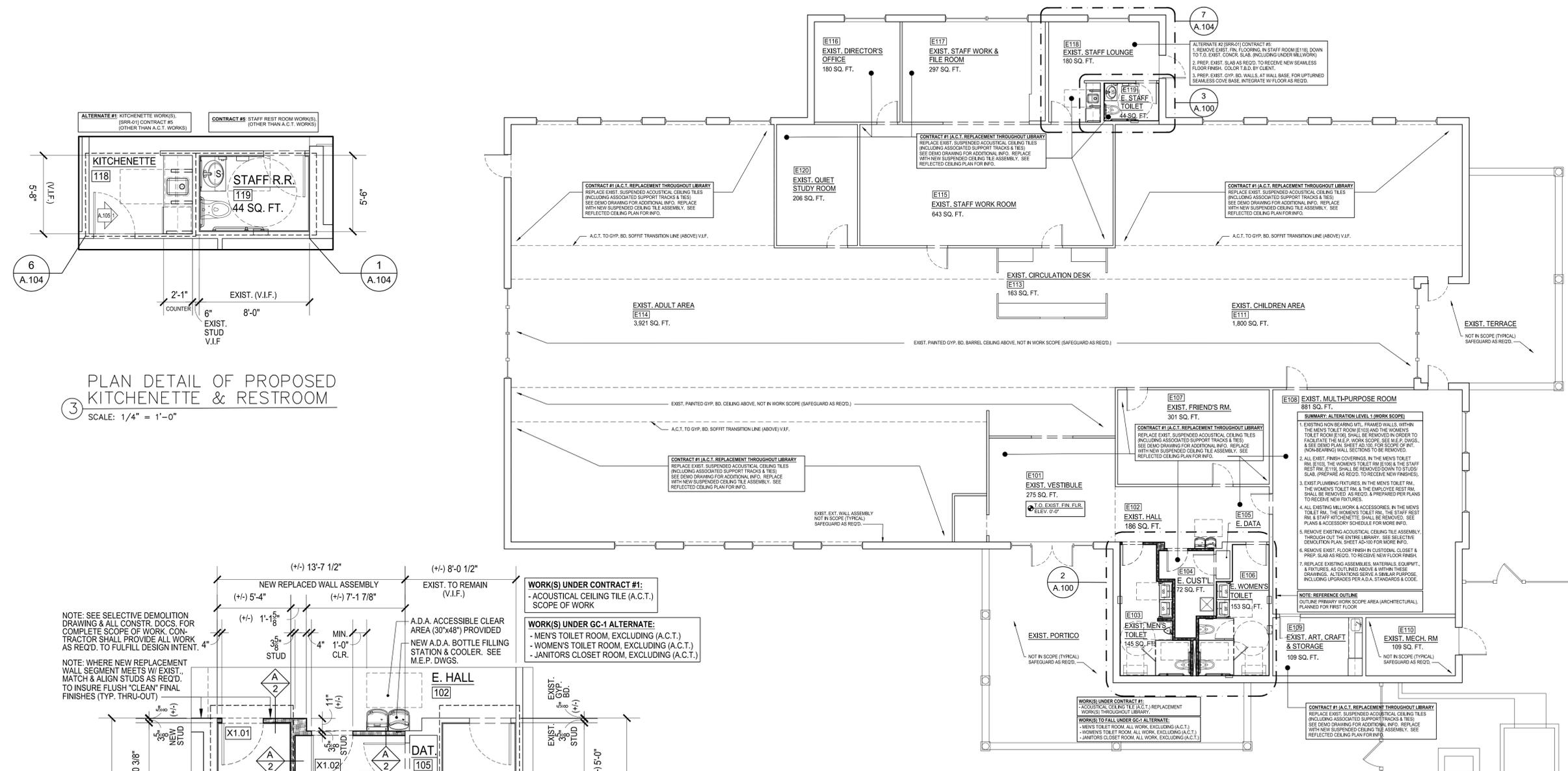
DATE:	DRN	CHK	DESCRIPTION
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REV.	DATE:	DRN	CHK	DESCRIPTION

PROJECT NO. **2150** SHEET NO. **A.100**

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**EXISTING FIRST FLOOR PLAN W/ PROPOSED RESTROOM ALTERATION**  
 SCALE: 1/8" = 1'-0"

- GENERAL NOTES:**
- ALL DIMENSIONS ARE PLUS/MINUS ROUGH DIMENSIONS. CONTRACTOR & SUBS MUST COORDINATE DRAWING INFORMATION THOROUGHLY (BETWEEN ALL TRADES). VERIFY & COORDINATE ALL FIELD & SITE CONDITIONS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE OWNER AND ENGINEER.
  - CONTRACTOR & SUBS SHALL REFER TO MANUF. DTLS. & SPECS FOR ADDITIONAL INFORMATION. ALL TRADES SHALL COORDINATE THEIR WORK AMONGST EACH ANOTHER.
  - PROVIDE THERMAL INSULATION PER DRAWINGS & CODE. SOUND ATTENUATION INSUL. SHALL BE PROVIDED IN ALL AREAS AS NOTED PER DRAWINGS & PER OWNER.
  - CONTRACTOR SHALL PROPERLY INVESTIGATE ALL PRE-EXISTING BUILDING CONDITIONS. WITHIN SCOPE OF WORK, TO ASSURE DESIGN CONFORMANCE AS OUTLINED WITHIN THESE DOCUMENTS AND TO INSURE ALL ALTERATIONS & MODIFICATIONS ARE WITHIN THE INTENT OF THESE DOCUMENTS.
- ADDITIONAL NOTES:**
- SEE ALL CONSTRUCT. DOCS. FOR INFO, DIMS., NOTES & DTLS. DO NOT SCALE DWGS.
  - PROVIDE 16 GA. STL. BACKING PLATES AT AREAS WHERE WALL MOUNTED EQUIPMENT WILL BE FASTENED (MILLWORK, ACCESSORIES, ETC.). REFER TO TYPICAL DRAWINGS. ALL FINAL LOCATIONS MUST BE COORDINATED WITH VENDOR / MANUFACTURER.
  - REFER TO ALL DRAWINGS FOR EQUIPMENT MOUNTING HEIGHTS & REQUIRED CLEARANCES. ADHERE TO ALL A.D.A. HEIGHT & CLEARANCE REQUIREMENTS.
  - MILLWORK EQUIPMENT CONTAINING LOCKS, IF REQUIRED BY OWNER, SHALL BE PROVIDED FOR DRAWERS & CASEWORK, ALL KEYING SHALL BE BY OWNER.
  - COORDINATE ALL POWER LOCATIONS W/ EQUIPMENT U.O.N..
  - REFER TO REFLECTED CEILING PLANS FOR CEILING HEIGHTS & VERIFY DESIGN HEIGHTS WITH FIELD REQUIREMENTS & CONDITIONS.

**LEGEND:**

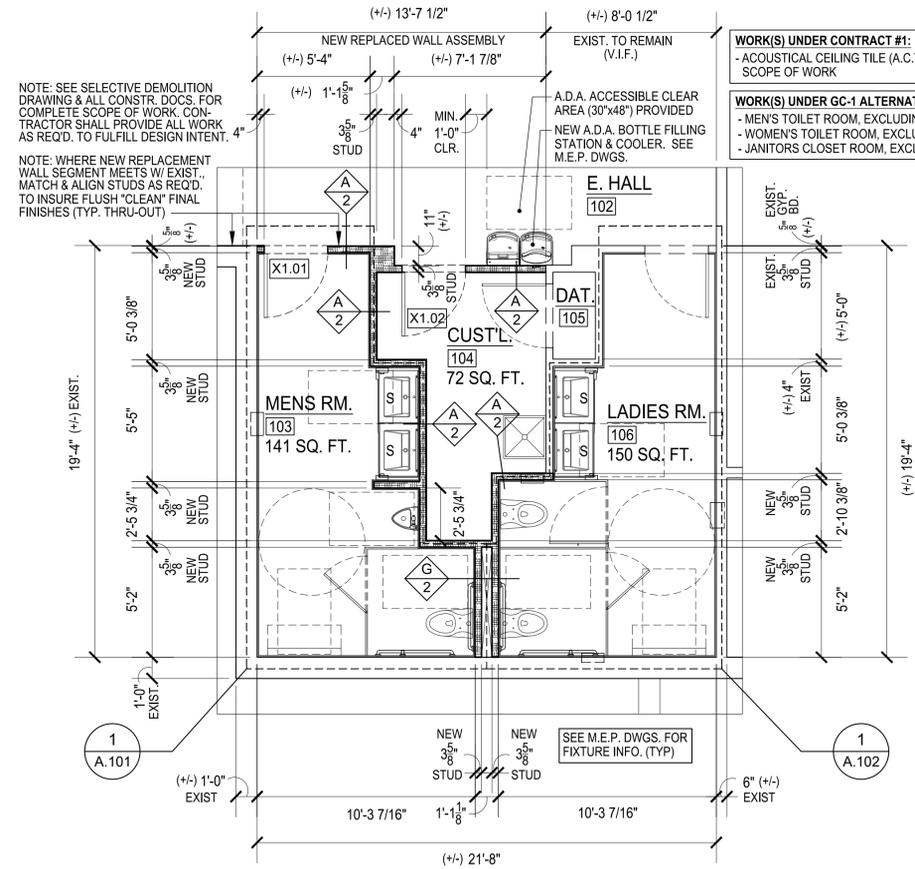
- EXISTING WALLS
- NEW MTL. STUD WALL W/ THERM. INSUL.
- NEW MTL. STUD WALL W/ SOUND ATTEN. INSUL.

**SYMBOLS:**

- WALL TYPE DETAIL NO. → SEE WALL SCHEDULE
- INTERIOR DOOR TAG → X.1.01 SEE DOOR SCHEDULE
- PORTABLE FIRE EXTINGUISHER → P.E.

NOTE: SEE FIRE PREVENTION DWGS. FOR PORTABLE EXTING. TYPES, LOC. & SPECIFICATIONS.

**PLAN DETAIL OF PROPOSED KITCHENETTE & RESTROOM**  
 SCALE: 1/4" = 1'-0"



**PLAN DETAIL OF PROPOSED RESTROOMS**  
 SCALE: 1/4" = 1'-0"

NOTE: SEE SELECTIVE DEMOLITION DRAWING & ALL CONSTR. DOCS. FOR COMPLETE SCOPE OF WORK. CONTRACTOR SHALL PROVIDE ALL WORK AS REQ'D. TO FULFILL DESIGN INTENT.

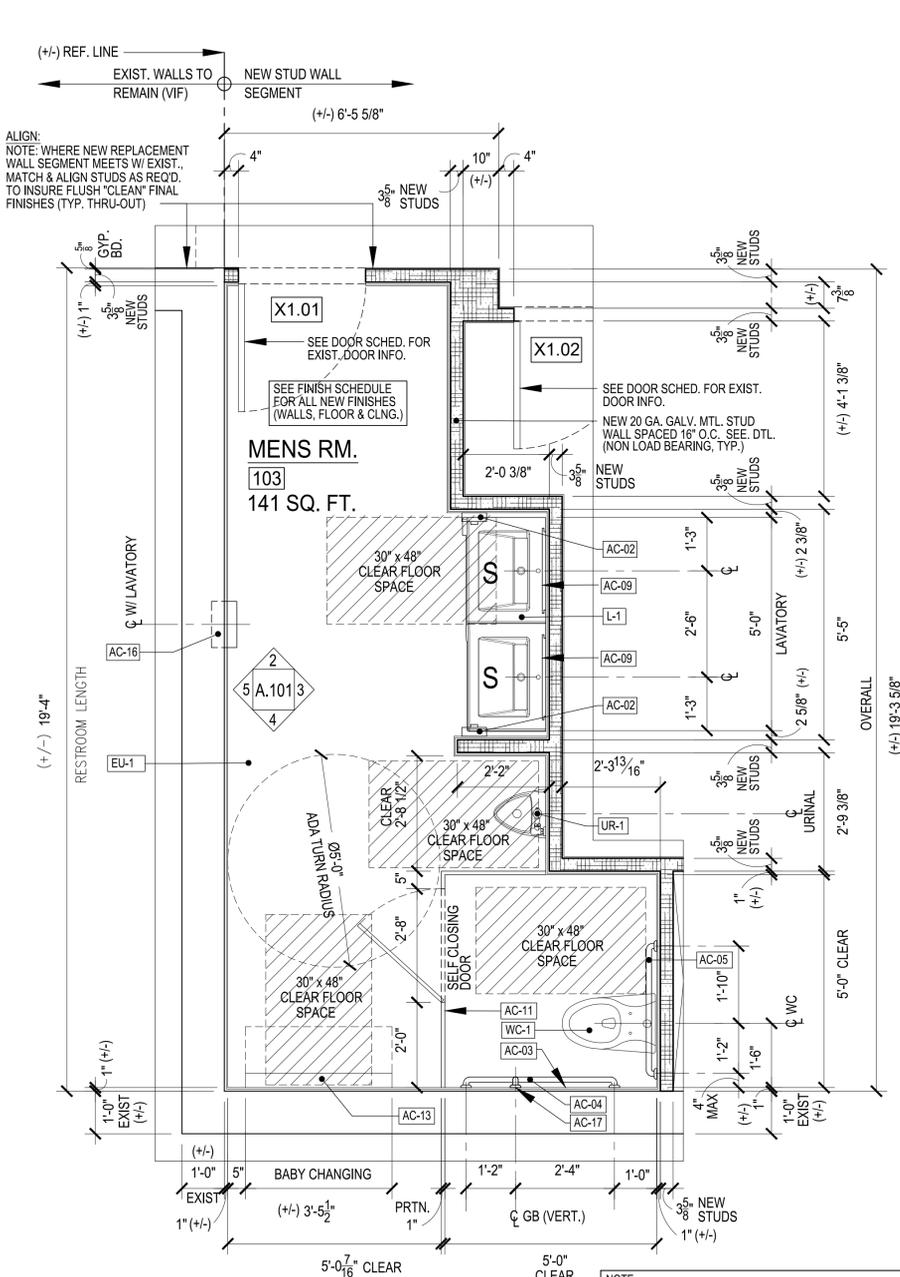
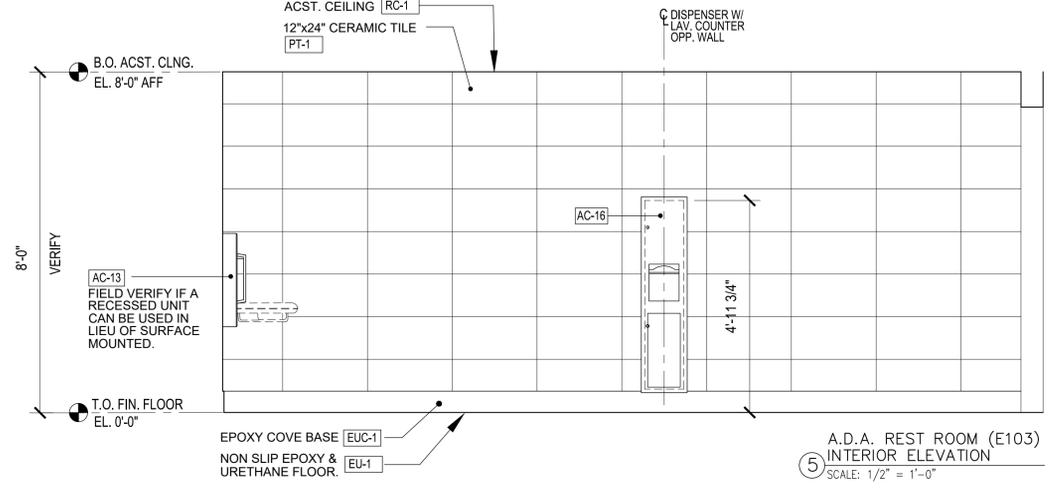
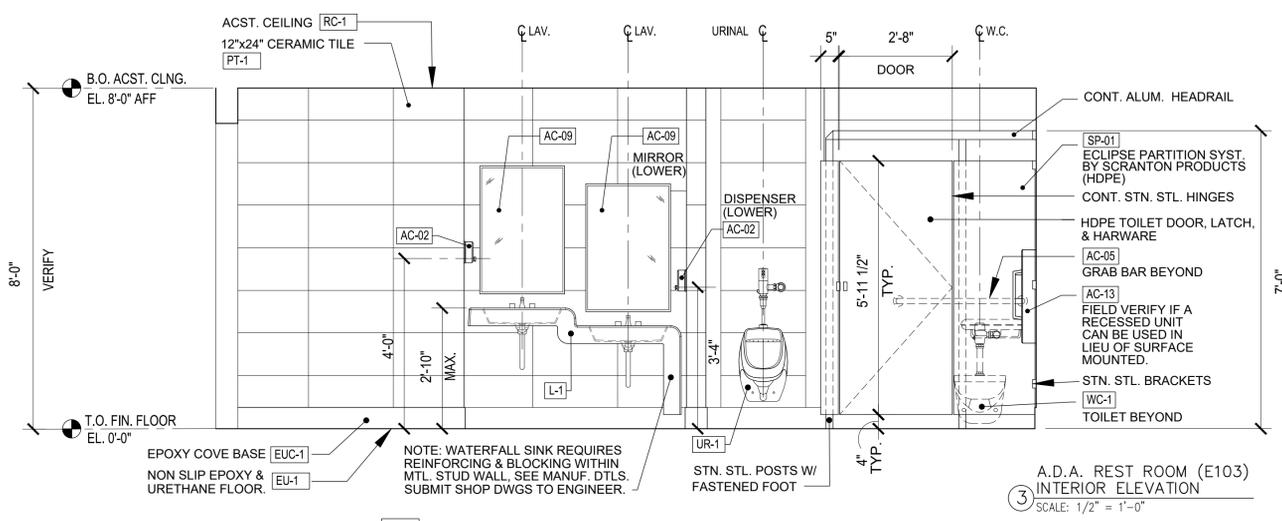
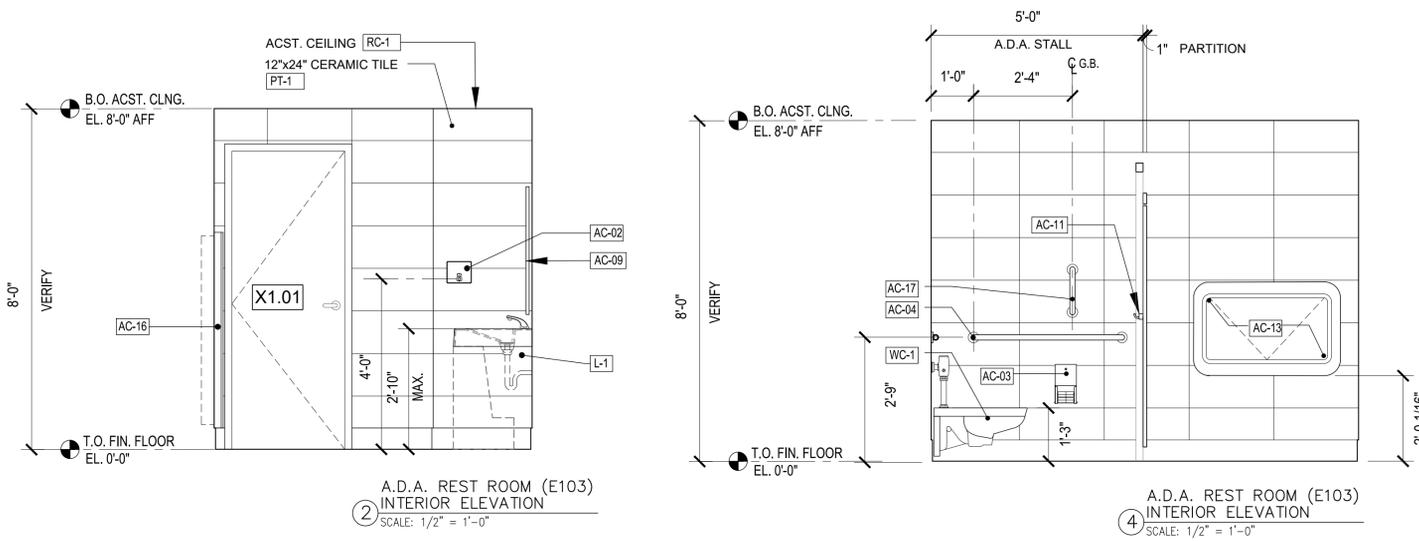
NOTE: WHERE NEW REPLACEMENT WALL SEGMENT MEETS W/ EXIST. MATCH & ALIGN STUDS AS REQ'D. TO INSURE FLUSH "CLEAN" FINAL FINISHES (TYP. THRU-OUT)

**WORK(S) UNDER CONTRACT #1:**  
 -ACOUSTICAL CEILING TILE (A.C.T.) SCOPE OF WORK

**WORK(S) UNDER GC-1 ALTERNATE:**  
 - MEN'S TOILET ROOM, EXCLUDING (A.C.T.)  
 - WOMEN'S TOILET ROOM, EXCLUDING (A.C.T.)  
 - JANITORS CLOSET ROOM, EXCLUDING (A.C.T.)

A.D.A. ACCESSIBLE CLEAR AREA (30"x48") PROVIDED  
 NEW A.D.A. BOTTLE FILLING STATION & COOLER. SEE M.E.P. DWGS.

SEE M.E.P. DWGS. FOR FIXTURE INFO. (TYP)



PLUMBING FIXTURE SCHEDULE (SEE M.E.P. DWGS. FOR ADDITIONAL & DETAILED INFO.)						
FIXTURE DESIGNATION	FIXTURE NAME	FIXTURE DESCRIPTION	FIXTURE		LOCATION	KEY NOTES
			MANUFACTURER	MODEL		
L-1	LAVATORY	SOLID SURFACE WATER-FALL SINK	SLOAN	ELWF-82000	E. MENS ROOM [E103] & E. LADIES ROOM [E108]	MATRIX LT GRAY (COLOR) REINF. MTL. STUD WALL PER MANUF. DTLS.
L-2	LAVATORY	SOLID SURFACE COUNTERTOP SINK	SLOAN	ELC-41000	E. STAFF REST RM. [E119]	AMBER (COLOR) REINF. MTL. STUD WALL PER MANUF. DTLS.
S-1	SINK	STAINLESS STEEL UNDERMOUNT	ELKAY	ELUHAD131655	E. STAFF ROOM [E118] KITCHENETTE	
WC-1	A.D.A. TOILET	ELONGATED, A.D.A. VITREOUS CHINA WALL MOUNT	ZURN	Z5615-BWL-AM-HET	E. MENS ROOM [E103] & E. LADIES ROOM [E108]	
UR-1	A.D.A. URINAL	VITREOUS CHINA	ZURN	Z57588.234.00	E. MENS ROOM [E103]	
WF-1	A.D.A. BOTTLE FILLING STATION & BI-LEVEL WATER COOLER	WALL HUNG	ELKAY	LZSTLGBWSSK	EXIST. HALL [E102]	
MB-1	MOP BASIN	FLOOR MOUNTED	FIAT	MSB-2424	CUSTODIAL RM [E104]	

**LEGEND:**

- EXISTING WALLS
- NEW MTL. STUD WALL W/ THERM. INSUL.
- NEW MTL. STUD WALL W/ SOUND ATTEN. INSUL.

**SYMBOLS:**

- WALL TYPE DETAIL NO. → SEE WALL SCHEDULE
- INTERIOR DOOR TAG → X1.01 SEE DOOR SCHEDULE
- PORTABLE FIRE EXTINGUISHER → P.E. NOTE: SEE FIRE PREVENTION DWGS. FOR PORTABLE EXTING. TYPES, LOC. & SPECIFICATIONS.

RESTROOM ACCESSORY SCHEDULE					
TAG	PRODUCT NAME	MANUF.	MODEL #	COLOR / FINISH	REMARKS
AC-01	PAPER TOWEL DISPENSER	BOBRICK OR SIM.	B-262	STAINLESS STEEL	
AC-02	SOAP DISPENSER	BOBRICK OR SIM.	B-2013	STAINLESS STEEL	AUTOMATIC DISPENSER
AC-03	TOILET TISSUE DISPENSER	BOBRICK OR SIM.	B-4288	STAINLESS STEEL	
AC-04	GRAB BAR 42"	BOBRICK OR SIM.	B-46806X42	STAINLESS STEEL	
AC-05	GRAB BAR 36"	BOBRICK OR SIM.	B-46806X36	STAINLESS STEEL	
AC-06	GRAB BAR 24"	BOBRICK OR SIM.	B-46806X24	STAINLESS STEEL	
AC-07	GRAB BAR 12"	BOBRICK OR SIM.	B-46806X12	STAINLESS STEEL	
AC-08	MIRROR 18"x36"	BOBRICK OR SIM.	B-290 1836	STAINLESS STEEL	VERIFY MIRROR WIDTH W/ CLIENT
AC-09	MIRROR 24"x36"	BOBRICK OR SIM.	B-290 2436	STAINLESS STEEL	VERIFY MIRROR WIDTH W/ CLIENT
AC-10	MIRROR 18"x60"	BOBRICK OR SIM.	B-290 1860	STAINLESS STEEL	
AC-11	COAT HOOK DOUBLE	BOBRICK OR SIM.	B-672	STAINLESS STEEL	
AC-12	SANITARY NAPKIN VENDING UNIT	BOBRICK OR SIM.	B-4706	STAINLESS STEEL	
AC-13	BABY CHANGING STATION	KOALA KARE	KB310 -SSWM	STAINLESS STEEL	VERIFY IF RECESSED UNIT IS AN OPTION.
AC-14	CURTAIN TRACK	BOBRICK OR SIM.		STAINLESS STEEL	
AC-15	UTILITY SHELF W/ MOP HOOKS	BOBRICK OR SIM.	B-239X34	STAINLESS STEEL	
AC-16	RECESSED PAPER TOWEL DISPENSER & DISPOSAL	BOBRICK OR SIM.	B-38032	STAINLESS STEEL	VERIFY EXIST. WALL ASSEMBLY TO INSURE ACCEPTANCE OF RECESSED ACCESSORY.
AC-17	GRAB BAR 18"	BOBRICK OR SIM.	B-46806X18	STAINLESS STEEL	
AC-18	STAINLESS STEEL SHELF	BOBRICK OR SIM.	B-295	STAINLESS STEEL	
AC-19	CONT. BAR W/ MULTI HOOK	MAGNUSON GRP.K	3K55C	POLISHED CHROME	
AC-22	SANITARY NAPKIN DISPOSAL UNIT	BOBRICK OR SIM.	B-4353	STAINLESS STEEL	

NOTE: CONTRACTOR SHALL REVIEW FIELD CONDITIONS & ACCESSORIES TO INSURE DESIGN COMPLIANCE. CONTRACTOR SHALL SUBMIT TECHNICAL DATA SHEETS, OF ALL FIELD VERIFIED ACCESSORIES, TO ENGINEER & CLIENT, FOR REVIEW & APPROVAL PRIOR TO PURCHASE & WORK(S). TYP.

**KEY PLAN:**

'CORNWALL PUBLIC LIBRARY'

HUDSON ST.

TRUE NORTH

PROJECT NORTH

**PROJECT:**  
 CORNWALL PUBLIC LIBRARY  
 HVAC SYSTEM REPLACEMENT PROJECT  
 395 HUDSON STREET  
 CORNWALL, NEW YORK 12518  
 SED #: 44-03-01-06-6-009-006

**SUB-CONSULTANT:**

**ENGINEER:**

**BLAKE ENGINEERING PLLC**

1898 COUNTY ROUTE 1  
 WESTTOWN, NEW YORK 10998  
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STATE OF NEW YORK  
 MATTHEW G. BLAKE  
 LICENSED PROFESSIONAL ENGINEER  
 089039

NOT VALID FOR CONSTRUCTION UNLESS SIGNED AND SEALED BY ENGINEER

MATTHEW G. BLAKE, P.E., LEED AP  
 NY - 89039 NJ - GE050037 PA - PE079303  
 MA - 53197 CT - 32283 FL - 85928

**MEN'S RESTROOM ALTERATION PLAN**  
**DETAIL W/ INTERIOR ELEVATIONS**

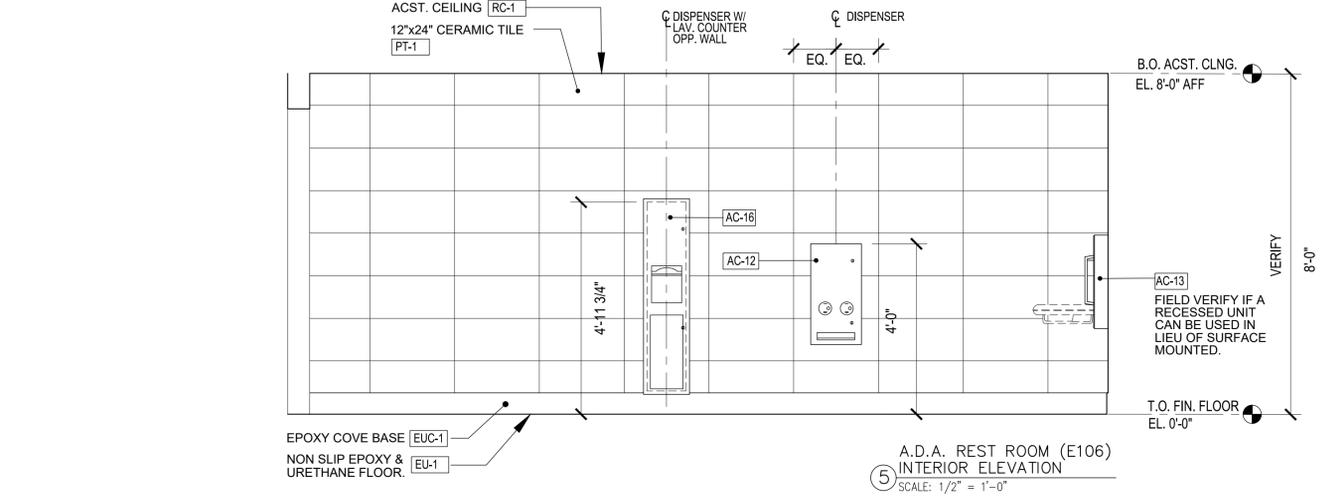
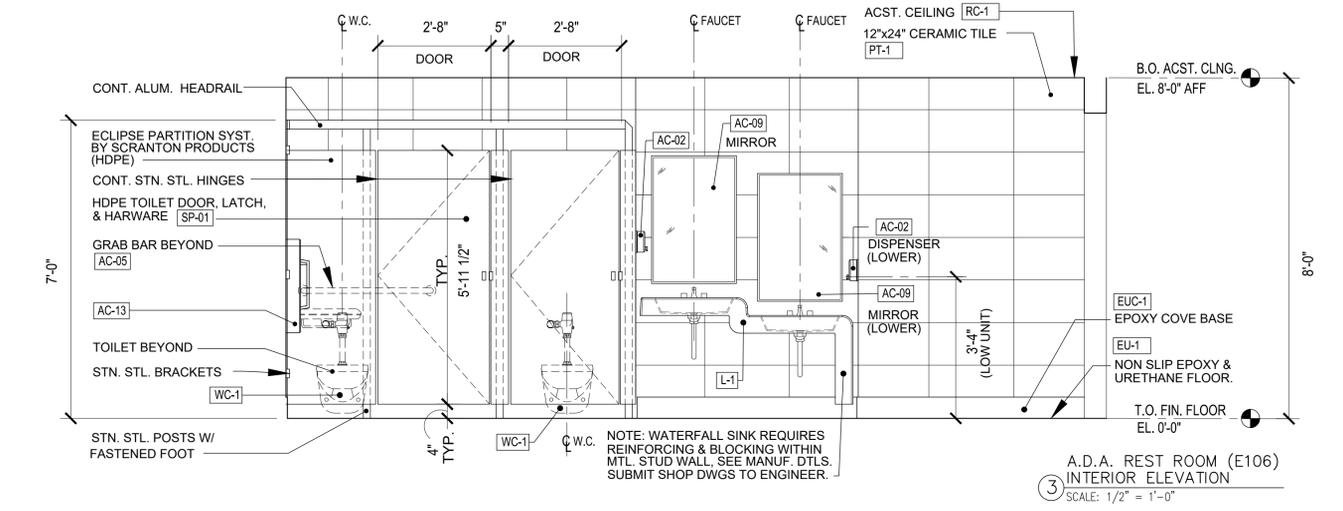
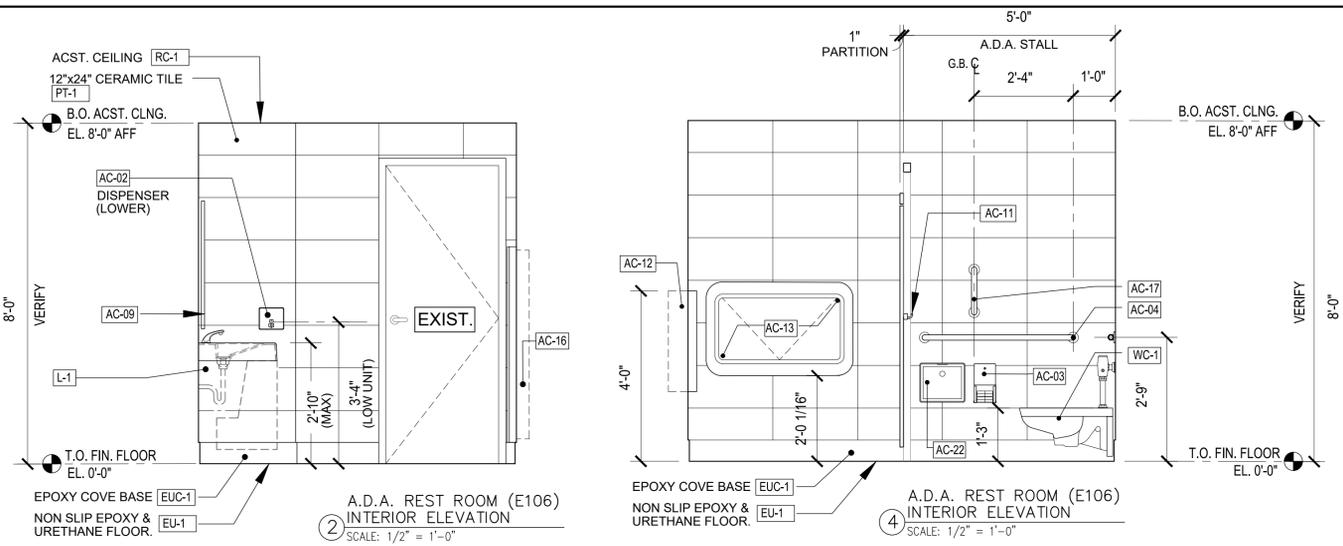
DATE: 01.26.2023 DRN: BJK CHK: BJK DESCRIPTION: CONSTRUCTION DWGS

REV. DATE: DRN CHK DESCRIPTION

PROJECT NO. **2150** SHEET NO. **A.101**

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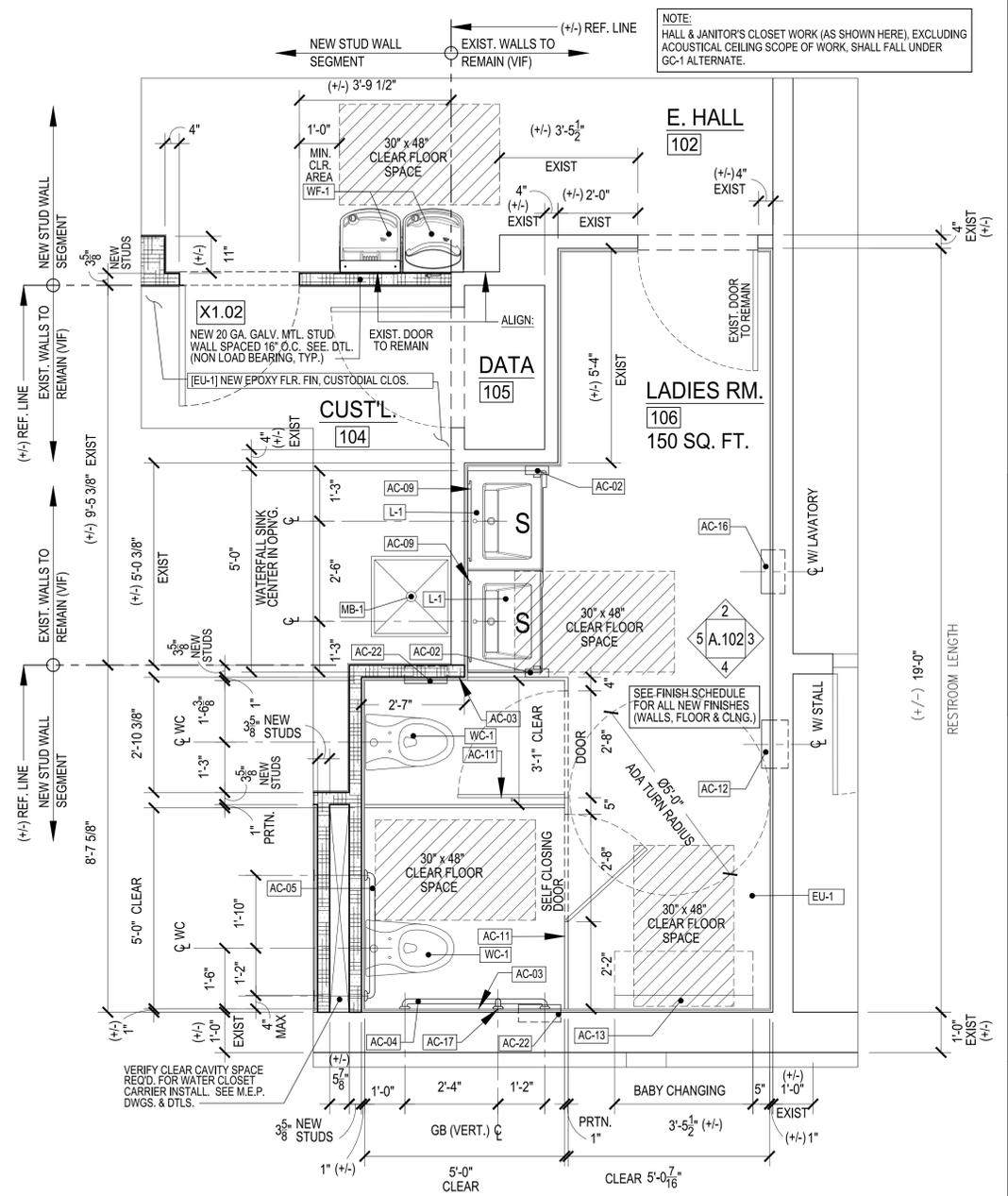
PLUMBING FIXTURE SCHEDULE (SEE M.E.P. DWGS. FOR ADDITIONAL & DETAILED INFO.)						
FIXTURE DESIGNATION	FIXTURE NAME	FIXTURE DESCRIPTION	FIXTURE		LOCATION	KEY NOTES
			MANUFACTURER	MODEL		
L-1	LAVATORY	SOLID SURFACE WATER-FALL SINK	SLOAN	ELWF-82000	E. MENS ROOM [E103] & E. LADIES ROOM [E106]	MATRIX LT GRAY (COLOR) REINF. MTL. STUD WALL PER MANUF. DTLS.
L-2	LAVATORY	SOLID SURFACE COUNTERTOP SINK	SLOAN	ELC-41000	E. STAFF REST RM. [E119]	AMBER (COLOR) REINF. MTL. STUD WALL PER MANUF. DTLS.
S-1	SINK	STAINLESS STEEL UNDERMOUNT	ELKAY	ELUHAD131655	E. STAFF ROOM [E118] KITCHENETTE	
WC-1	A.D.A. TOILET	ELONGATED, A.D.A. VITREOUS CHINA WALL MOUNT	ZURN	Z5615-BWL-AM-HET	E. MENS ROOM [E103] & E. LADIES ROOM [E106]	
UR-1	A.D.A. URINAL	VITREOUS CHINA	ZURN	Z57588.234.00	E. MENS ROOM [E103]	
WF-1	A.D.A. BOTTLE FILLING STATION & BI-LEVEL WATER COOLER	WALL HUNG	ELKAY	LZSTL8WSSK	EXIST. HALL [E102]	
MB-1	MOP BASIN	FLOOR MOUNTED	FIAT	MSB-2424	CUSTODIAL RM [E104]	

**LEGEND:**

- EXISTING WALLS
- NEW MTL. STUD WALL W/ THERM. INSUL.
- NEW MTL. STUD WALL W/ SOUND ATTEN. INSUL.

**SYMBOLS:**

- WALL TYPE DETAIL NO. → SEE WALL SCHEDULE
- INTERIOR DOOR TAG → X1.01 SEE DOOR SCHEDULE
- PORTABLE FIRE EXTINGUISHER → P.E. NOTE: SEE FIRE PREVENTION DWGS. FOR PORTABLE EXTING. TYPES, LOC. & SPECIFICATIONS.



EXIST. WOMENS REST ROOM [RM. E106] PROPOSED PLAN  
 ① SCALE: 1/2" = 1'-0"

NOTE: WOMENS RESTROOM WORK (AS SHOWN HERE), EXCLUDING ACOUSTICAL CEILING SCOPE OF WORK, SHALL FALL UNDER GC-1 ALTERNATE.

RESTROOM ACCESSORY SCHEDULE					
TAG	PRODUCT NAME	MANUF.	MODEL #	COLOR / FINISH	REMARKS
AC-01	PAPER TOWEL DISPENSER	BOBRICK OR SIM.	B-262	STAINLESS STEEL	
AC-02	SOAP DISPENSER	BOBRICK OR SIM.	B-2013	STAINLESS STEEL	AUTOMATIC DISPENSER
AC-03	TOILET TISSUE DISPENSER	BOBRICK OR SIM.	B-4288	STAINLESS STEEL	
AC-04	GRAB BAR 42"	BOBRICK OR SIM.	B-46806X42	STAINLESS STEEL	
AC-05	GRAB BAR 36"	BOBRICK OR SIM.	B-46806X36	STAINLESS STEEL	
AC-06	GRAB BAR 24"	BOBRICK OR SIM.	B-46806X24	STAINLESS STEEL	
AC-07	GRAB BAR 12"	BOBRICK OR SIM.	B-46806X12	STAINLESS STEEL	
AC-08	MIRROR 18"x36"	BOBRICK OR SIM.	B-290 1836	STAINLESS STEEL	VERIFY MIRROR WIDTH W/ CLIENT
AC-09	MIRROR 24"x36"	BOBRICK OR SIM.	B-290 2436	STAINLESS STEEL	VERIFY MIRROR WIDTH W/ CLIENT
AC-10	MIRROR 18"x60"	BOBRICK OR SIM.	B-290 1860	STAINLESS STEEL	
AC-11	COAT HOOK DOUBLE	BOBRICK OR SIM.	B-672	STAINLESS STEEL	
AC-12	SANITARY NAPKIN VENDING UNIT	BOBRICK OR SIM.	B-4706	STAINLESS STEEL	
AC-13	BABY CHANGING STATION	KOALA KARE KB310 -SSWM		STAINLESS STEEL	VERIFY IF RECESSED UNIT IS AN OPTION.
AC-14	CURTAIN TRACK	BOBRICK OR SIM.		STAINLESS STEEL	
AC-15	UTILITY SHELF W/ MOP HOOKS	BOBRICK OR SIM.	B-239X34	STAINLESS STEEL	
AC-16	RECESSED PAPER TOWEL DISPENSER & DISPOSAL	BOBRICK OR SIM.	B-38032	STAINLESS STEEL	VERIFY EXIST. WALL ASSEMBLY TO INSURE ACCEPTANCE OF RECESSED ACCESSORY.
AC-17	GRAB BAR 18"	BOBRICK OR SIM.	B-46806X18	STAINLESS STEEL	
AC-18	STAINLESS STEEL SHELF	BOBRICK OR SIM.	B-295	STAINLESS STEEL	
AC-19	COAT BAR W/ MULTI HOOK	MAGNUSON GRP.K	3K55C	POLISHED CHROME	
AC-22	SANITARY NAPKIN DISPOSAL UNIT	BOBRICK OR SIM.	B-4353	STAINLESS STEEL	

NOTE: CONTRACTOR SHALL REVIEW FIELD CONDITIONS & ACCESSORIES TO INSURE DESIGN COMPLIANCE. CONTRACTOR SHALL SUBMIT TECHNICAL DATA SHEETS, OF ALL FIELD VERIFIED ACCESSORIES, TO ENGINEER & CLIENT, FOR REVIEW & APPROVAL PRIOR TO PURCHASE & WORK(S). TYP.

**KEY PLAN:**

'CORNWALL PUBLIC LIBRARY'

HUDSON ST.

TRUE NORTH

PROJECT NORTH

**PROJECT:**  
 CORNWALL PUBLIC LIBRARY  
 HVAC SYSTEM REPLACEMENT PROJECT  
 395 HUDSON STREET  
 CORNWALL, NEW YORK 12518  
 SED #: 44-03-01-06-6-009-006

**SUB-CONSULTANT:**

**ENGINEER:**

**BLAKE ENGINEERING PLLC**

1898 COUNTY ROUTE 1  
 WESTTOWN, NEW YORK 10998  
 TEL:845-467-9207 FAX:845-767-5050  
 MBLAKE@BLAKEENGINEERINGPLLCCOM

STATE OF NEW YORK  
 MATTHEW G. BLAKE  
 LICENSED PROFESSIONAL ENGINEER  
 089039

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MATTHEW G. BLAKE, P.E., LEED AP  
 NY - 89039 NJ - GE050037 PA - PE079303  
 MA - 53197 CT - 32283 FL - 85928

**WOMENS RESTROOM ALTERATION PLAN DETAIL W/ INTERIOR ELEVATIONS**

DATE:	DRN:	CHK:	DESCRIPTION:
01.26.2023	BJK	BJK	CONSTRUCTION DWGS

PROJECT NO. **2150** SHEET NO. **A.102**

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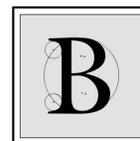
KEY PLAN:  
 'CORNWALL PUBLIC LIBRARY'



PROJECT:  
 CORNWALL PUBLIC LIBRARY  
 HVAC SYSTEM REPLACEMENT PROJECT  
 395 HUDSON STREET  
 CORNWALL, NEW YORK 12518  
 SED #: 44-03-01-06-6-009-006

SUB-CONSULTANT:

ENGINEER:



**BLAKE ENGINEERING PLLC**  
 1898 COUNTY ROUTE 1  
 WESTTOWN, NEW YORK 10998  
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MATTHEW G. BLAKE, P.E., LEED AP  
 NY - 89039 NJ - GE050037 PA - PE079303  
 MA - 53197 CT - 32283 FL - 85928

**EXISTING 1ST. FLOOR AND PROPOSED REFLECTED CEILING PLAN**

DATE:	DRN:	CHK:	DESCRIPTION:
01.26.2023	BJK	BJK	CONSTRUCTION DWGS

REV.	DATE:	DRN:	CHK:	DESCRIPTION:

PROJECT NO. **2150** SHEET NO. **A.103**

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**GENERAL NOTES:**

ALL DIMENSIONS ARE PLUS/MINUS ROUGH DIMENSIONS. CONTRACTOR & SUBS MUST COORDINATE INFO ON ALL DWGS. THOROUGHLY (W/ ALL TRADES) VERIFY & COORDINATE INFORMATION W/ ALL FIELD & SITE CONDITIONS. ALL DISCREPANCIES SHALL BE REPORTED, IN WRITING, TO THE IMMEDIATE ATTENTION OF THE ENGINEER AND THE OWNER.

THE CONTRACTOR & ALL SUBS SHALL REFER TO MANUFACTURERS SPECS., DETAILS AND GUIDELINES TO INSURE PROPER INSTALLATION & FUNCTION.

THE CONTRACTOR & ALL SUBS SHALL COORDINATE WORK(S) W/ ALL TRADES IN ORDER TO AVOID CONFLICTS.

THERMAL & ACOUSTICAL INSULATION SHALL BE PROVIDED & INSTALLED AS OUTLINED PER CODE, MEP ENGINEER REQUIREMENTS, & AT OWNER'S REQUEST.

SHOP DRAWINGS SHALL BE SUBMITTED AS NOTED PER DRAWINGS.

**REFLECTED CEILING KEYED NOTES:**

- THE MASTER LEGEND, REFERENCED BELOW, IS A COMPLETE LIST FOR ALL OF THE REFLECTED CEILING PLANS. NOT ALL NOTES, SYMBOLS, DESIGNATIONS & MATERIALS, ARE APPLICABLE TO THIS PLAN.
- REFER TO M.E.P. & EMERGENCY SYSTEMS DRAWINGS FOR LIGHT FIXTURE SCHEDULE & POWER SUPPLY & SPECS.
- PROVIDE ACCESS PANELS AT ALL ELECTRICAL, MECHANICAL & PLUMBING POINTS FOR SERVICE & MAINTENANCE.
- REFER TO FIRE SAFETY DRAWINGS.

**NOTE RC1:** [A.T.] DESIGNATION = ACOUSTICAL CEILING TILE. ARMSTRONG ULTIMA HEALTH ZONE (1445 OR APPROV EQ.), SQ. LAY IN 15/16", 24"x24" X 7/8" THK., CLASS A, ACOUSTICAL CEILING TILE W/ PRELUDE PLUS XL FIRE GUARD 15/16" EXPOSED TEE SUSPENSION SYSTEM. (0.80 NRC / 35 CAC ACOUST. VALUE) COLOR, PATTERN & FIN. SHALL BE DETERMINED BY CLIENT.

**NOTE RC2:** [E.G.B.] DESIGNATION = EXISTING GYPSUM BOARD CEILING TO REMAIN. CONTRACTOR SHALL SAFEGUARD CEILING THROUGH ALL PROJECT PHASES & SHALL PROVIDE A "CLEAN" SEAMLESS FINISH AT ALL AREAS REQUIRING TIE IN W/ NEW CONSTRUCTION AND SHALL PROPERLY PATCH & PAINT AREAS AFFECTED BY THE CONSTRUCTION AS REQ'D.

**MATERIALS LEGEND:**

- CONCRETE
- CMU WALL
- ADJACENT BUILDING (NOT IN SCOPE)
- GYPSUM BOARD CEILING OR SOFFIT
- WOOD
- GLASS
- K-LITE PANEL OVER G.W.B. SHEATHING

**SYMBOLS LEGEND:**

**EMERGENCY & EGRESS**

- SPRINKLER HEAD (CEILING MOUNTED)
- SPRINKLER HEAD (WALL MOUNTED)
- SMOKE/ CARBON MONOXIDE DETECTOR (WALL MOUNTED)
- SMOKE/ CARBON MONOXIDE DETECTOR (WALL MOUNTED)
- EXIT SIGN (WALL MOUNTED)
- EXIT SIGN (CEILING MOUNTED)
- FIRE ALARM SIGNALING DEVICE

**H.V.A.C.**

- LINEAR DIFFUSER IN SOFFIT
- LINEAR RETURN IN SOFFIT
- LINEAR GRILLE EXHAUST IN CEILING
- SUPPLY DIFFUSER
- RETURN AIR DIFFUSER

**LIGHTING & ELECTRICAL**

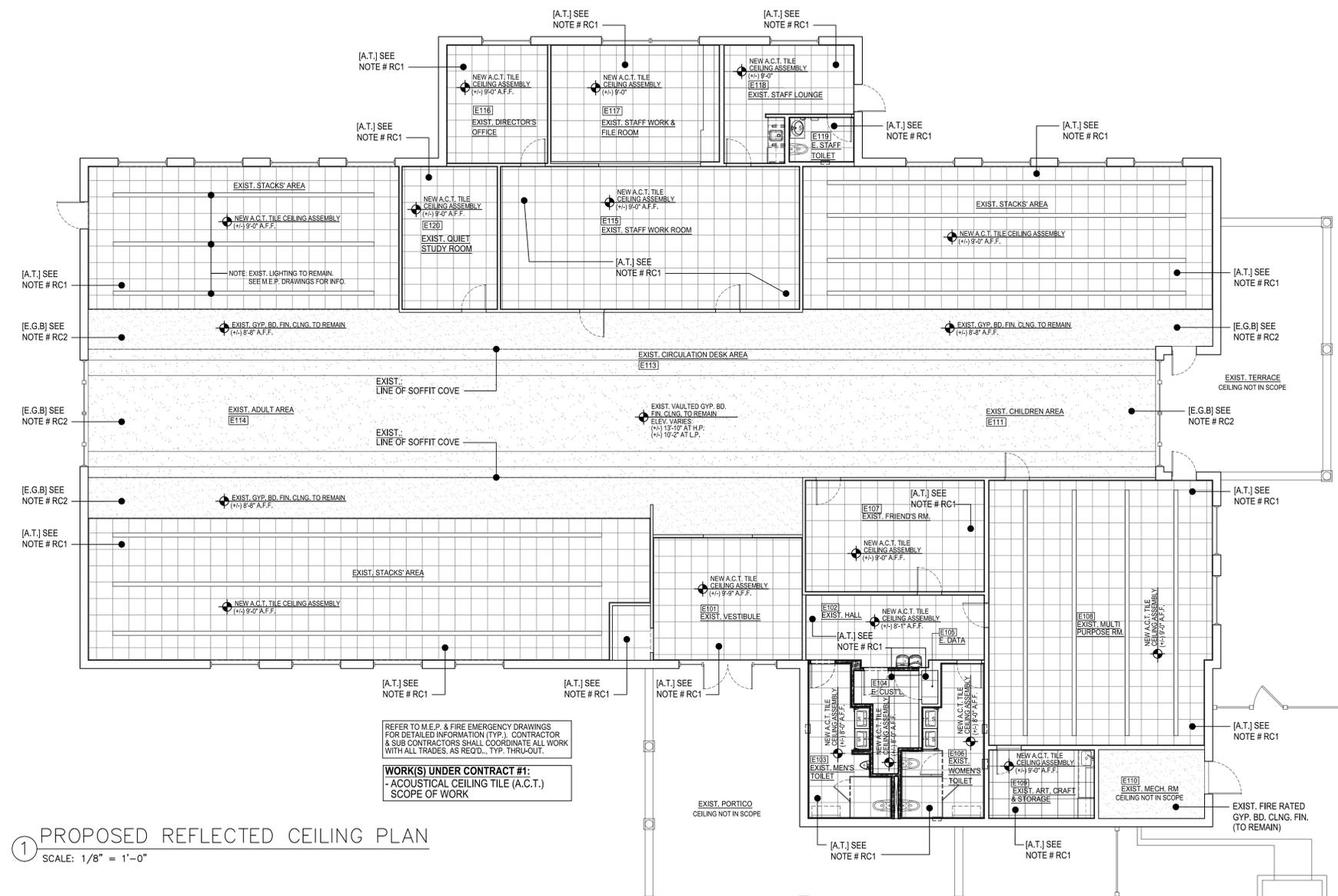
- JUNCTION BOX (VERIFY CEILING LOCATION)
- LIGHT SWITCH
- CEILING MOUNTED SPEAKER (RECESSED)
- LIGHT SWITCH
- OCCUPANT SENSOR
- LED RECESSED DOWNLIGHT
- LED RECESSED ADJUSTABLE DOWNLIGHT
- LED RECESSED DOWNLIGHT (WET LOCATIONS)
- LED PENDANT FIXTURE
- LED PENDANT FIXTURE (WET LOCATIONS)
- LED WALL FIXTURE
- LED WALL FIXTURE (WET LOCATIONS)
- LED SURFACE MOUNTED STRIP LIGHT- STAIRS
- LED SURFACE MOUNTED LINEAR DOWNLIGHT BELOW CABINETS
- LED LINEAR COVE LIGHT
- LED LINEAR PENDANT LIGHT
- LED INDUSTRIAL FIXTURE - MECHANICAL
- LED INDUSTRIAL FIXTURE - MECHANICAL
- 2'X2' LED RECESSED FIXTURE

**MISC. LIGHTING, ELECTRICAL & LOW VOLTAGE**

- WINDOW SHADE POCKET (VERIFY MECHANICAL OR ELECTRICAL)
- SECURITY CAMERA

**DRAWING LEGEND:**

- FINISH I.D.
- DATUM
- ACCESS PANEL

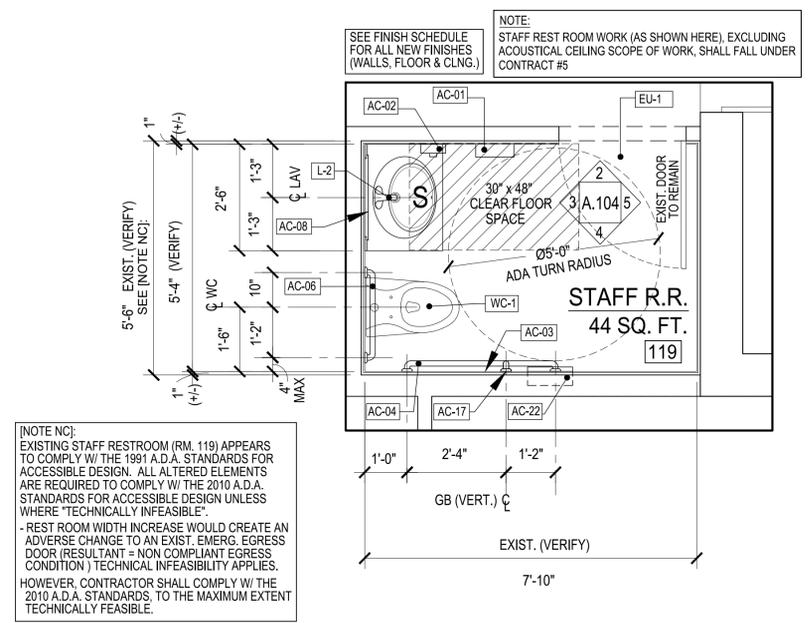


**1 PROPOSED REFLECTED CEILING PLAN**  
 SCALE: 1/8" = 1'-0"

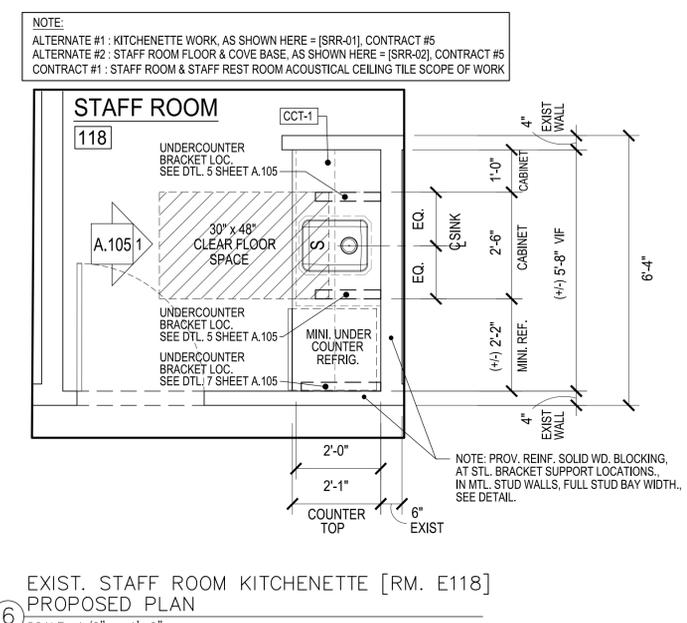
REFER TO M.E.P. & FIRE EMERGENCY DRAWINGS FOR DETAILED INFORMATION (TYP.). CONTRACTOR & SUB CONTRACTORS SHALL COORDINATE ALL WORK WITH ALL TRADES, AS REQ'D., TYP. THRU-OUT.

**WORK(S) UNDER CONTRACT #1:**  
 -ACOUSTICAL CEILING TILE (A.C.T.) SCOPE OF WORK

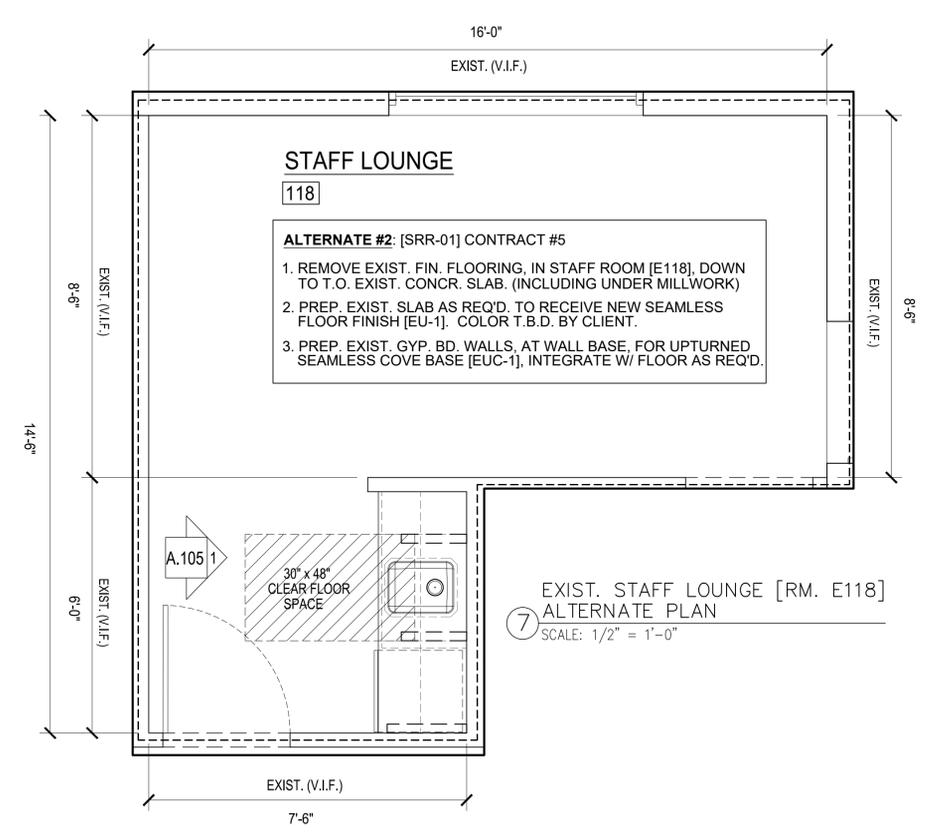
- REFLECTED CEILING GENERAL NOTES:**
- CEILING GRID & CEILING TILES SHALL BE CENTERED WITH ROOM, UNLESS OTHERWISE NOTED.
  - REFLECTED CEILING PLANS SHOW THE DESIGN INTENT AND LOCATIONS FOR ALL DEVICES THAT ARE LOCATED WITHIN OR MOUNTED TO FINISH CEILINGS. WHERE DISCREPANCIES OCCUR BETWEEN ARCHITECTURAL DRAWINGS AND M.E.P. & FIRE PROTECTION OR OTHER ENGINEERING DRAWINGS, CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY WHERE DISCREPANCIES ARE FOUND & SHALL REQUEST CLARIFICATION FROM THE ENGINEER PRIOR TO PROCEEDING WORK.
  - REFER TO FINISH SCHEDULE FOR ADDITIONAL CEILING INFORMATION.
  - LOCATION OF EXIT SIGNS, SPRINKLER HEADS, CEILING STROBES, LIGHT FIXTURES, SMOKE DETECTORS, AUDIO VISUAL, SECURITY AND ALL OTHER DEVICES EXPOSED AT ACOUSTICAL PANEL CEILINGS IN THE CENTER OF THE TILE, U.O.N..
  - REFER TO MECHANICAL DRAWINGS FOR LOCATIONS OF ACTIVE DIFFUSERS. WHERE DISCREPANCIES ARE FOUND BETWEEN DRAWINGS, CONTRACTOR SHALL REQUEST CLARIFICATION FROM THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK.
  - REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE CODES, LAYOUT AND QUANTITIES OF LIGHTING & LOCATION OF CONTROLS FOR LIGHTING, SHADING DEVICES AND OTHER ELECTRICALLY OPERATED EQUIPMENT. ALL EXPOSED GYPSUM WALL BOARD CEILINGS, SOFFITS AND BULKHEADS SHALL BE PRIMED, PAINTED OR FINISHED AS PER SCHEDULE AS REQ'D.
  - CONCEALED SPRINKLER HEAD CAPS SHALL BE FINISHED W/ CUSTOM COLORS AS REQUIRED TO MATCH THE CEILING SYSTEM IT IS INSTALLED WITHIN, TYP. THRU-OUT U.O.N..
  - ALL VISIBLE A.C.T. CUT EDGES SHALL BE PAINTED & ALL FIELD TILES SHALL BE FACTORY MADE AS REQ'D.
  - REFER TO ELECTRICAL DRAWINGS & NOTES FOR LIGHT FIXTURE CODES, LAYOUTS AND QUANTITIES OF LIGHTING.
  - ACCESS DOORS / ACCESS PANELS SHALL BE PROVIDED AT ALL VALVES, EQUIPMENT DEVICES, ETC. LOCATED ABOVE NON ACCESSIBLE CEILINGS. COORDINATE LOCATIONS WITH ENGINEER AS REQ'D.



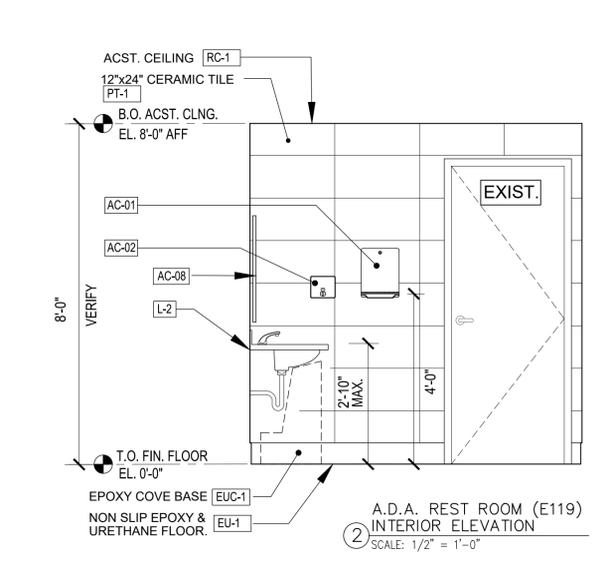
1 EXIST. STAFF ROOM REST ROOM [RM. E119] PROPOSED PLAN  
SCALE: 1/2" = 1'-0"



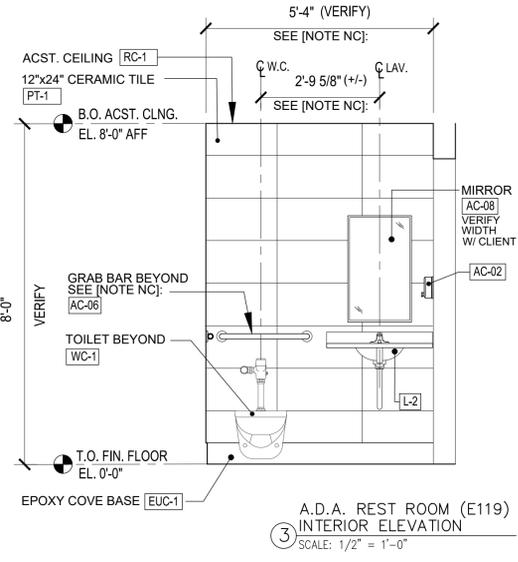
6 EXIST. STAFF ROOM KITCHENETTE [RM. E118] PROPOSED PLAN  
SCALE: 1/2" = 1'-0"



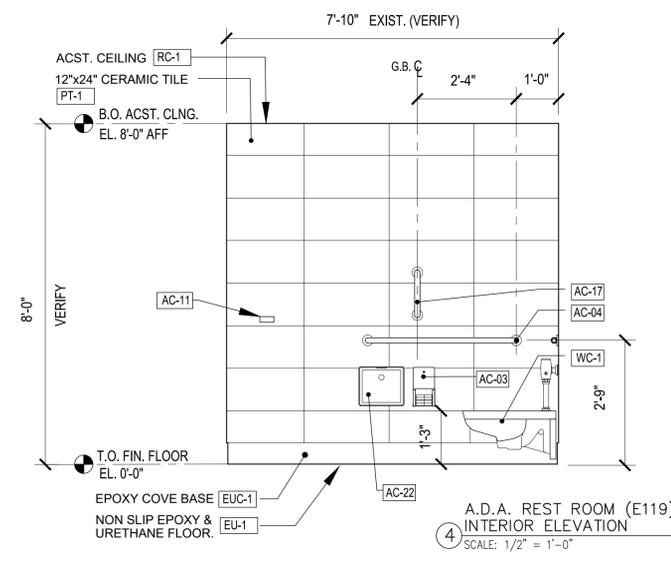
7 EXIST. STAFF LOUNGE [RM. E118] ALTERNATE PLAN  
SCALE: 1/2" = 1'-0"



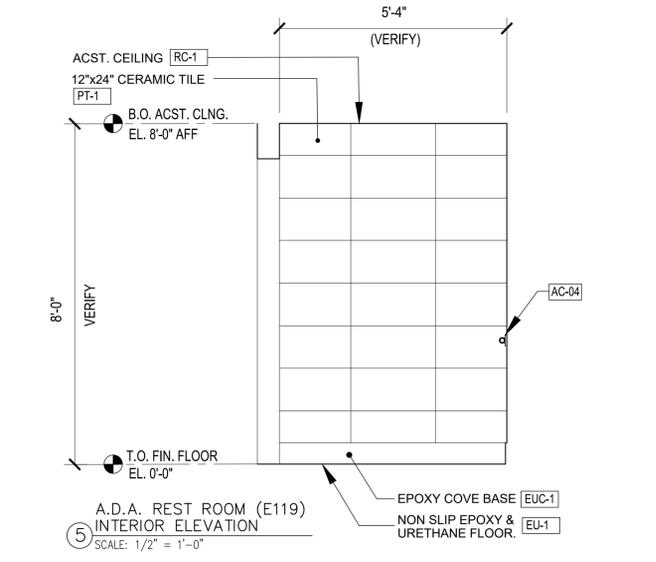
2 A.D.A. REST ROOM (E119) INTERIOR ELEVATION  
SCALE: 1/2" = 1'-0"



3 A.D.A. REST ROOM (E119) INTERIOR ELEVATION  
SCALE: 1/2" = 1'-0"



4 A.D.A. REST ROOM (E119) INTERIOR ELEVATION  
SCALE: 1/2" = 1'-0"



5 A.D.A. REST ROOM (E119) INTERIOR ELEVATION  
SCALE: 1/2" = 1'-0"

PLUMBING FIXTURE SCHEDULE (SEE M.E.P. DWGS. FOR ADDITIONAL & DETAILED INFO.)						
FIXTURE DESIGNATION	FIXTURE NAME	FIXTURE DESCRIPTION	FIXTURE		LOCATION	KEY NOTES
			MANUFACTURER	MODEL		
L-1	LAVATORY	SOLID SURFACE WATER-FALL SINK	SLOAN	ELWF-82000	E. MENS ROOM [E103] & E. LADIES ROOM [E106]	MATRIX LT GRAY (COLOR) REINF. MTL. STUD WALL PER MANUF. DTLS.
L-2	LAVATORY	SOLID SURFACE COUNTERTOP SINK	SLOAN	ELC-41000	E. STAFF REST RM. [E119]	AMBER (COLOR) REINF. MTL. STUD WALL PER MANUF. DTLS.
S-1	SINK	STAINLESS STEEL UNDERMOUNT	ELKAY	ELUHAD131655	E. STAFF ROOM [E118] KITCHENETTE	
WC-1	A.D.A. TOILET	ELONGATED, A.D.A. VITREOUS CHINA WALL MOUNT	ZURN	Z5615-BWL-AM-HET	E. MENS ROOM [E103] & E. LADIES ROOM [E106]	
UR-1	A.D.A. URINAL	VITREOUS CHINA	ZURN	Z57588.234.00	E. MENS ROOM [E103]	
WF-1	A.D.A. BOTTLE FILLING STATION & BI-LEVEL WATER COOLER	WALL HUNG	ELKAY	LZSTLG8WSSK	EXIST. HALL [E102]	
MB-1	MOP BASIN	FLOOR MOUNTED	FIAT	MSB-2424	CUSTODIAL RM [E104]	

**LEGEND:**

- EXISTING WALLS
- NEW MTL. STUD WALL W/ THERM. INSUL.
- NEW MTL. STUD WALL W/ SOUND ATTEN. INSUL.

**SYMBOLS:**

- WALL TYPE DETAIL NO. → SEE WALL SCHEDULE
- INTERIOR DOOR TAG → X1.01 SEE DOOR SCHEDULE
- PORTABLE FIRE EXTINGUISHER → P.E.

NOTE: SEE FIRE PREVENTION DWGS. FOR PORTABLE EXTING. TYPES, LOC. & SPECIFICATIONS.

RESTROOM ACCESSORY SCHEDULE					
TAG	PRODUCT NAME	MANUF.	MODEL #	COLOR / FINISH	REMARKS
AC-01	PAPER TOWEL DISPENSER	BOBRICK OR SIM.	B-262	STAINLESS STEEL	
AC-02	SOAP DISPENSER	BOBRICK OR SIM.	B-2013	STAINLESS STEEL	AUTOMATIC DISPENSER
AC-03	TOILET TISSUE DISPENSER	BOBRICK OR SIM.	B-4288	STAINLESS STEEL	
AC-04	GRAB BAR 42"	BOBRICK OR SIM.	B-46806X42	STAINLESS STEEL	
AC-05	GRAB BAR 36"	BOBRICK OR SIM.	B-46806X36	STAINLESS STEEL	
AC-06	GRAB BAR 24"	BOBRICK OR SIM.	B-46806X24	STAINLESS STEEL	
AC-07	GRAB BAR 12"	BOBRICK OR SIM.	B-46806X12	STAINLESS STEEL	
AC-08	MIRROR 18"x36"	BOBRICK OR SIM.	B-290 1836	STAINLESS STEEL	VERIFY MIRROR WIDTH W/ CLIENT
AC-09	MIRROR 24"x36"	BOBRICK OR SIM.	B-290 2436	STAINLESS STEEL	VERIFY MIRROR WIDTH W/ CLIENT
AC-10	MIRROR 18"x60"	BOBRICK OR SIM.	B-290 1860	STAINLESS STEEL	
AC-11	COAT HOOK DOUBLE	BOBRICK OR SIM.	B-672	STAINLESS STEEL	
AC-12	SANITARY NAPKIN VENDING UNIT	BOBRICK OR SIM.	B-4706	STAINLESS STEEL	
AC-13	BABY CHANGING STATION	KOALA KARE	KB310 -SSWM	STAINLESS STEEL	VERIFY IF RECESSED UNIT IS AN OPTION.
AC-14	CURTAIN TRACK	BOBRICK OR SIM.		STAINLESS STEEL	
AC-15	UTILITY SHELF W/ MOP HOOKS	BOBRICK OR SIM.	B-239X34	STAINLESS STEEL	
AC-16	RECESSED PAPER TOWEL DISPENSER & DISPOSAL	BOBRICK OR SIM.	B-38032	STAINLESS STEEL	VERIFY EXIST. WALL ASSEMBLY TO INSURE ACCEPTANCE OF RECESSED ACCESSORY.
AC-17	GRAB BAR 18"	BOBRICK OR SIM.	B-46806X18	STAINLESS STEEL	
AC-18	STAINLESS STEEL SHELF	BOBRICK OR SIM.	B-295	STAINLESS STEEL	
AC-19	CONT. BAR W/ MULTI HOOK	MAGNUSON GRP.K	3K55C	POLISHED CHROME	
AC-22	SANITARY NAPKIN DISPOSAL UNIT	BOBRICK OR SIM.	B-4353	STAINLESS STEEL	

NOTE: CONTRACTOR SHALL REVIEW FIELD CONDITIONS & ACCESSORIES TO INSURE DESIGN COMPLIANCE. CONTRACTOR SHALL SUBMIT TECHNICAL DATA SHEETS, OF ALL FIELD VERIFIED ACCESSORIES, TO ENGINEER & CLIENT, FOR REVIEW & APPROVAL PRIOR TO PURCHASE & WORK(S). TYP.

**KEY PLAN:**

'CORNWALL PUBLIC LIBRARY'

HUDSON ST.

TRUE NORTH

PROJECT NORTH

**PROJECT:**

CORNWALL PUBLIC LIBRARY HVAC SYSTEM REPLACEMENT PROJECT

395 HUDSON STREET  
CORNWALL, NEW YORK 12518  
SED #: 44-03-01-06-6-009-006

**SUB-CONSULTANT:**

**ENGINEER:**

**BLAKE ENGINEERING PLLC**

1898 COUNTY ROUTE 1  
WESTTOWN, NEW YORK 10998  
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MBLAKE@BLAKEENGINEERINGPLLC.COM

NOT VALID FOR CONSTRUCTION UNLESS SIGNED AND SEALED BY ENGINEER

MATTHEW G. BLAKE, P.E., LEED AP  
NY - 89039 NJ - GE050037 PA - PE079303  
MA - 53197 CT - 32283 FL - 85928

**STAFF RESTROOM & KITCHENETTE DETAIL W/ INTERIOR ELEVATIONS**

DATE: 01.26.2023 DRN: BJK CHK: BJK DESCRIPTION: CONSTRUCTION DWGS

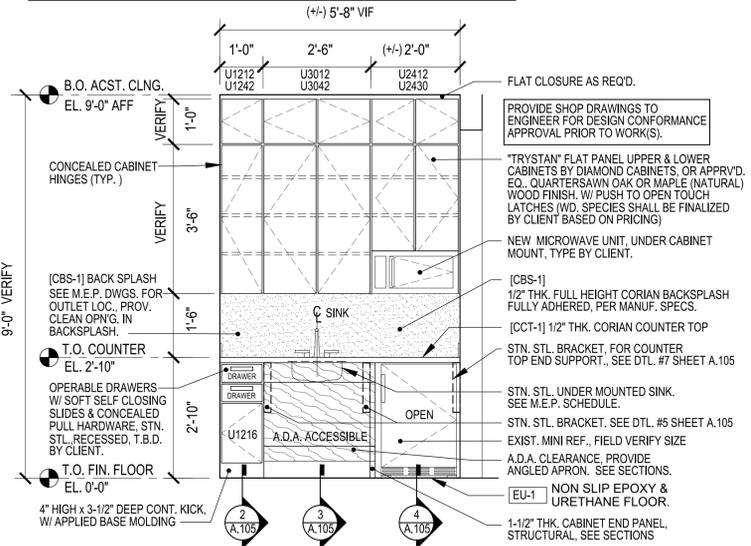
REV. DATE: DRN CHK DESCRIPTION

PROJECT NO. 2150 SHEET NO. A.104

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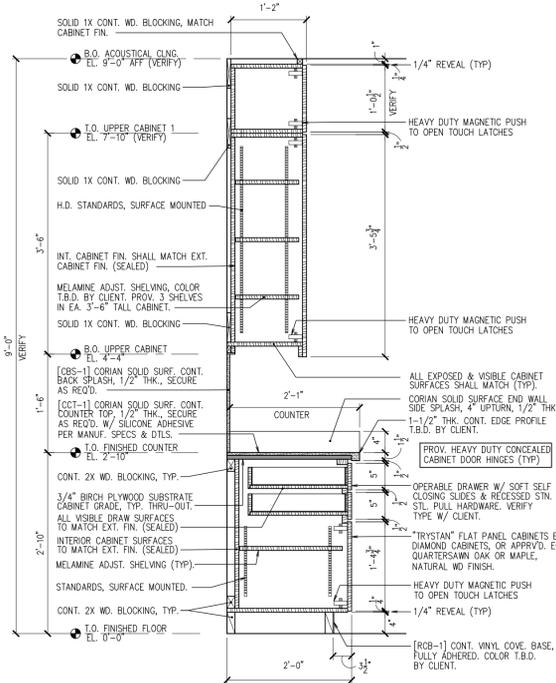
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**NOTE:**  
 ALTERNATE #1 : KITCHENETTE WORK, AS SHOWN HERE = [SRR-01], CONTRACT #5  
 ALTERNATE #2 : STAFF ROOM FLOOR & COVE BASE, AS SHOWN HERE = [SRR-02], CONTRACT #5  
 CONTRACT #1 : STAFF ROOM & STAFF REST ROOM ACOUSTICAL CEILING TILE SCOPE OF WORK



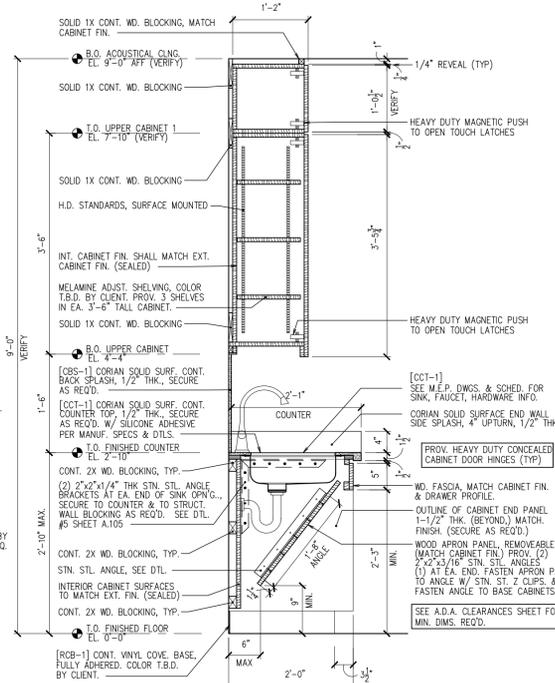
EXIST. STAFF ROOM KITCHENETTE [RM. E118]  
 MILLWORK ELEVATION

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



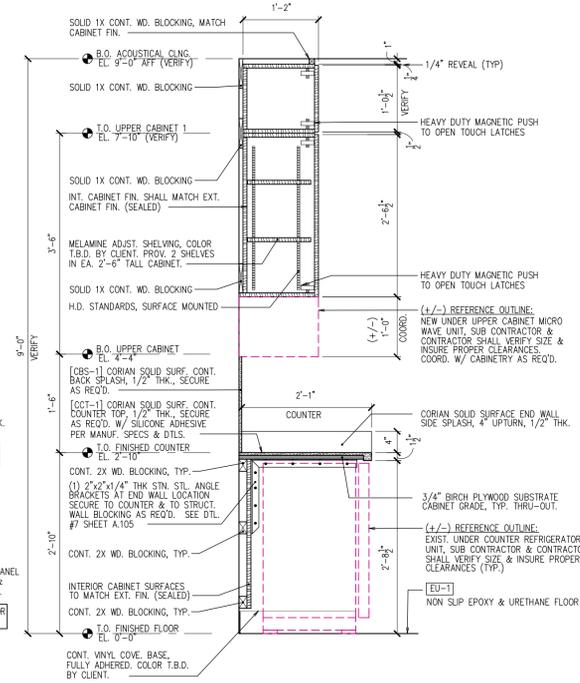
CABINET SECTION THRU DRAWER

2 SCALE: 3/4" = 1'-0"



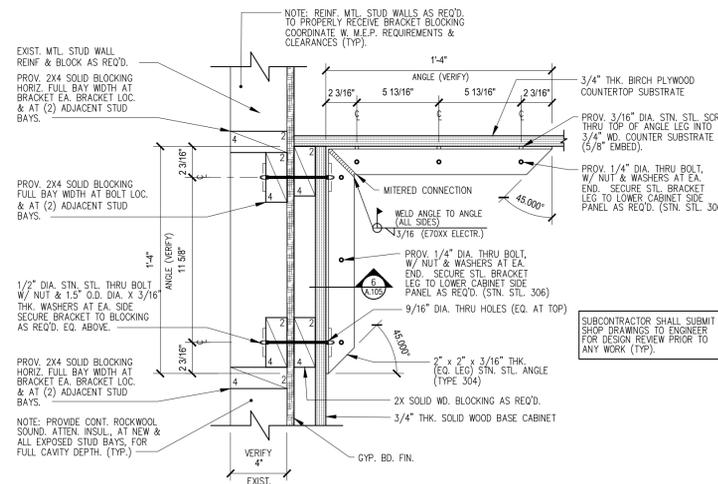
SECTION THRU ADA SINK

3 SCALE: 3/4" = 1'-0"



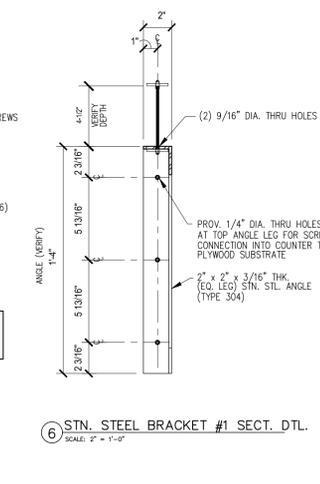
CABINET SECTION THRU MICROWAVE / FRIDGE

4 SCALE: 3/4" = 1'-0"



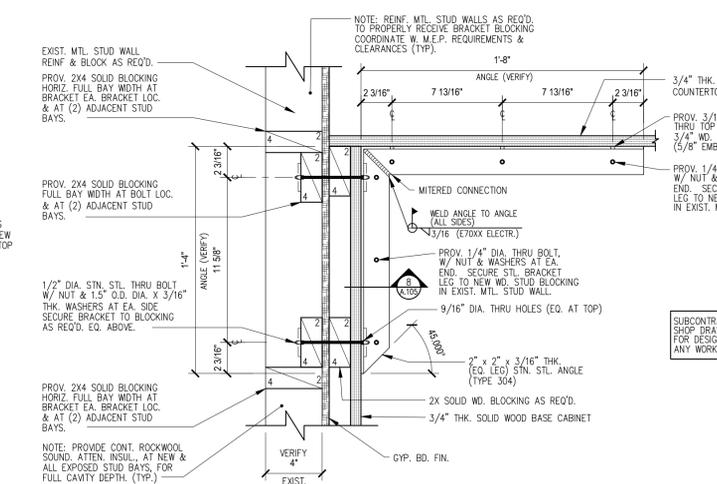
STN. STEEL BRACKET #1 DETAIL

5 SCALE: 2" = 1'-0"



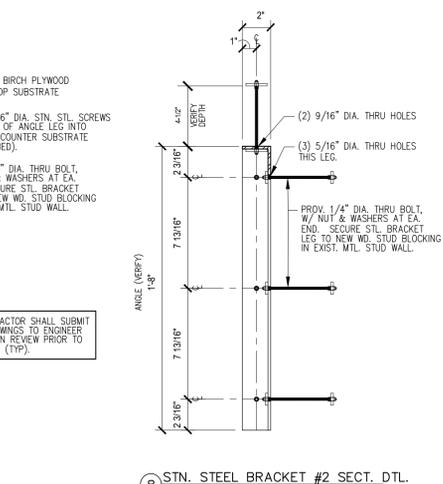
STN. STEEL BRACKET #2 DETAIL

6 SCALE: 2" = 1'-0"



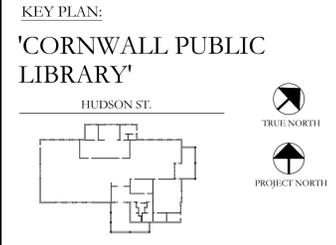
STN. STEEL BRACKET #2 DETAIL

7 SCALE: 2" = 1'-0"



STN. STEEL BRACKET #2 DETAIL

8 SCALE: 2" = 1'-0"



**PROJECT:**  
 CORNWALL PUBLIC LIBRARY  
 HVAC SYSTEM REPLACEMENT PROJECT  
 395 HUDSON STREET  
 CORNWALL, NEW YORK 12518  
 SED # 44-03-01-06-6-009-006

**SUB-CONSULTANT:**

**ENGINEER:**

**BLAKE ENGINEERING PLLC**  
 1898 COUNTY ROUTE 1  
 WESTTOWN, NEW YORK 10998  
 TEL: 845-467-9207 FAX: 845-767-5050  
 MBLAKE@BLAKEENGINEERINGPLLC.COM

NOT VALID FOR CONSTRUCTION UNLESS SIGNED AND SEALED BY ENGINEER

MATTHEW G. BLAKE, P.E., LEED AP  
 NY - 89039 NJ - GE050037 PA - PE079303  
 MA - 53197 CT - 32283 FL - 85928

**KITCHENETTE DETAILS [CONTRACT #5]**

DATE:	DRN	CHK	DESCRIPTION	
01.26.2023	BJK	BJK	CONSTRUCTION DWGS	
REV.	DATE:	DRN	CHK	DESCRIPTION

PROJECT NO. **2150** SHEET NO. **A.105**

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# FINISH MATERIAL LEGEND

## FLOORING:

### EU-1: EPOXY & URETHANE FLOOR

MANUF: STONHARD STONSHIELD HRI OR APPRV'D. EQ.  
 DESCRIPTION: SLIP RESIST., TROWELED EPOXY RESIN BASE, EPOXY UNDERCOAT, BROADCAST AGGREGATE & EPOXY SEALER W/ CLEAR URETHANE TOP COAT(S).  
 THICKNESS: 3/16" (MAX)  
 COLOR: T.B.D. BY CLIENT  
 NOTES: 1. PREPARE EXIST. CONCR. SLAB PER MANUF. DTLS. & SPECS.  
 2. CERTIFIED. MOISTURE TEST OF EXIST. SLAB SHALL BE REQ'D. & SUBMITTED TO ENGINEER PRIOR TO WORK.  
 3. PROVIDE PRIMER, SELF LEVELING, & WATERPROOFING AGENT / MEMBRANE IF REQ'D. BY MANUF. & ENGINEER.

## BASE:

### EUC-1: EPOXY & URETHANE COVE BASE

MANUF: STONHARD STONSHIELD HRI OR APPRV'D. EQ.  
 DESCRIPTION: TROWELED EPOXY RESIN COVE BASE W/ CONT. MTL. COVE STRIP TERMINATION INSTALL PER MANUF. SPECS. & DTLS. PROVIDE CLEAR URETHANE TOP COAT(S).  
 THICKNESS: T.B.D. (ALIGN W/ FIN. FACE OF WALL TILE)  
 HEIGHT: 6" HIGH  
 COLOR: MATCH EU-1 FLOOR COLOR  
 NOTES: 1. PREPARE SURFACE(S) AS REQ'D PER MANUF. DTLS. & SPECS.  
 2. PROVIDE PRIMER, SELF LEVELING, & WATERPROOFING AGENT / MEMBRANE IF REQ'D. BY MANUF. & ENGINEER.

### RCB-1: RUBBER COVE AT BASE OF WALLS & MILLWORK

MANUF: JOHNSONITE OR APPRV'D. EQ.  
 DESCRIPTION: RUBBER WALL BASE  
 HEIGHT: 6" HIGH  
 COLOR: T.B.D. BY CLIENT  
 NOTES: 1. FULL & DIRECT ADHESION (GLUED)

## WALLS:

### PT-1: PORCELAIN TILE

MANUF: AKDO, OR APPROVED EQ..  
 DESCRIPTION: BOOST STONE [PO2699-1224MO]  
 THICKNESS: T.B.D. (ALIGN W/ FIN. FACE OF EPOXY COVE)  
 DIMENSIONS: 12" HIGH x 24" LONG  
 COLOR: CLAY (M)  
 GROUT: LATICRETE THINSET, OR APPROVED EQ. COLOR T.B.D. BY CLIENT.  
 NOTES: 1. STACKED JOINT PATTERN  
 2. PROVIDE CLIENT W/ SAMPLE PRIOR TO ORDER.

### PNT-1: PAINTED WALL SURFACE

MANUF: SHERWIN WILLIAMS OR APPRV'D. EQ.  
 COLOR: COLOR T.B.D. BY CLIENT  
 TYPE: T.B.D. BY CLIENT (LOW V.O.C.)  
 NOTES: 1. AT AREAS WHERE PATCHING IS REQ'D., PREP., PRIME & PAINT ENTIRE SURFACE TO INSURE CLEAN & INTEGRATED FINISH.

## CEILING:

### RC-1: ACOUSTICAL CEILING TILE

MANUF: ARMSTRONG OR APPRV'D. EQ.  
 DESCRIPTION: ULTIMA HEALTH ZONE HIGH NRC #1445 FINE TEXTURE, (0.80 NRC, 35 CAC)  
 COLOR: WHITE GRID & DURABRITE TILE  
 DIMENSIONS: 24"x24"x7/8" FLAT LAY IN  
 GRID: PRELUDE EXPOSED TEE, 15/16"  
 CODE: CLASS A, RATED ASTM 84

## MISCELLANEOUS:

### CCT-1: SOLID SURFACE RESINOUS COUNTER TOP

MANUF: CORIAN W/ RESILIENCE TECH. OR APPRV'D. EQ.  
 DESCRIPTION: SOLID SURFACE COUNTER TOP.  
 THICKNESS: 1/2" W/ LAYERED EDGE NOSING (1-1/2" THK.)  
 COLOR: PROVIDE CLIENT W/ SAMPLES OF THE FOLLOWING:  
 OPTION #1: SADDLE BROWN  
 OPTION #2: ANTIQUE PEARL  
 OPTION #3: CARBON CEMENT  
 OPTION #4: BIANCO MARMOR

### CBS-1: SOLID SURFACE RESINOUS FULL HEIGHT BACK SPLASH

MANUF: CORIAN W/ RESILIENCE TECH. OR APPRV'D. EQ.  
 DESCRIPTION: SOLID SURFACE BACKSPLASH  
 THICKNESS: 1/2"  
 COLOR: MATCH CCT-1

### SP-1: TOILET PARTITION ASSEMBLY

MANUF: SCRANTON PRODUCTS OR APPRV'D. EQ.  
 DESCRIPTION: ECLIPSE 72 INCH EXTRA HIGH (FULL PRIVACY)  
 MATERIAL: HDPE PANELS & DOORS, STN. STL. CONT HINGES, BRACKETS & STANCHIONS.  
 COLOR: SHALE  
 NOTES: PROV. OCCUPANCY LATCH INDICATOR

### KC-1: KITCHENETTE CABINETRY

MANUF: DIAMOND CABINETS OR APPRV'D. EQ.  
 DESCRIPTION: TRYSTAN CLEAN CUT, FLAT PANEL, SLAB SHAPE  
 MATERIAL: NATURAL QUARTERSAWN OAK OR NATURAL MAPLE  
 COLOR: NATURAL  
 NOTES: 1. STN. STL. CONCEALED ADJST. DOOR HINGES  
 2. H.D. SOFT SELF CLOSING SLIDES ON ALL DRAWERS W/ STN. STL. RECESSED PULL HARDWARE (TYPE TBD BY CLIENT)  
 3. H.D. MAGNETIC PUSH TO OPEN TOUCH LATCHES ON ALL DOORS AS REQ'D.

## KEY PLAN:

### 'CORNWALL PUBLIC LIBRARY'

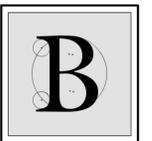


## PROJECT:

CORNWALL PUBLIC LIBRARY  
 HVAC SYSTEM REPLACEMENT PROJECT  
 395 HUDSON STREET  
 CORNWALL, NEW YORK 12518  
 SED #: 44-03-01-06-6-009-006

## SUB-CONSULTANT:

## ENGINEER:



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 MBLAKE@BLAKEENGINEERINGPLLC.COM



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MATTHEW G. BLAKE, P.E., LEED AP  
 NY - 89039 NJ - GE050037 PA - PE079303  
 MA - 53197 CT - 32283 FL - 85928

## FINISH MATERIAL LEGEND

DATE:	DRN	CHK	DESCRIPTION
01.26.2023	BJK	BJK	CONSTRUCTION DWGS

REV.	DATE:	DRN	CHK	DESCRIPTION

PROJECT NO. <b>2150</b>	SHEET NO. <b>A.401</b>
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KEY PLAN:

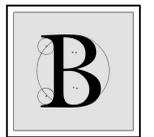
'CORNWALL PUBLIC LIBRARY'



PROJECT:  
**CORNWALL PUBLIC LIBRARY**  
 HVAC SYSTEM  
 REPLACEMENT PROJECT  
 395 HUDSON STREET  
 CORNWALL, NEW YORK 12518  
 SED #: 44-03-01-06-6-009-006

SUB-CONSULTANT:

ENGINEER:



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**A.D.A. DETAILS**

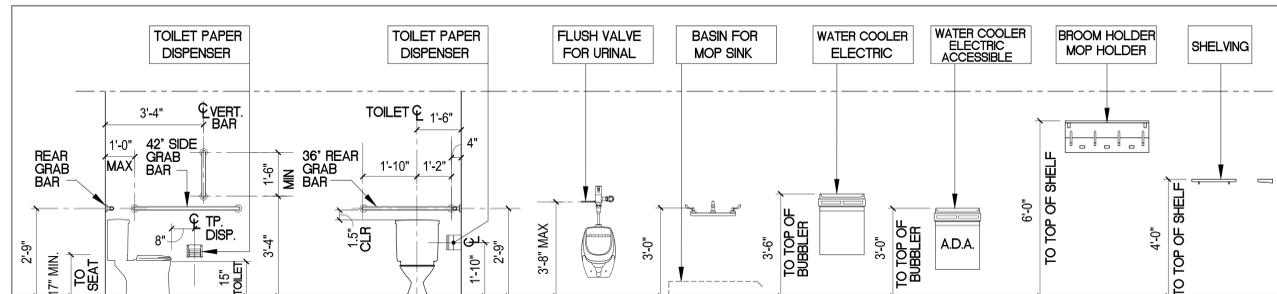
DATE:	DRN:	CHK:	DESCRIPTION:
01.26.2023	BJK	BJK	CONSTRUCTION DWGS

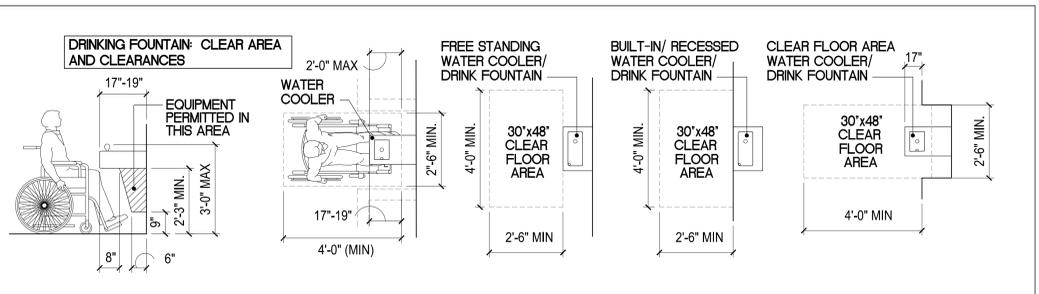
REV.	DATE:	DRN:	CHK:	DESCRIPTION:

PROJECT NO. **2150** SHEET NO. **A.500**

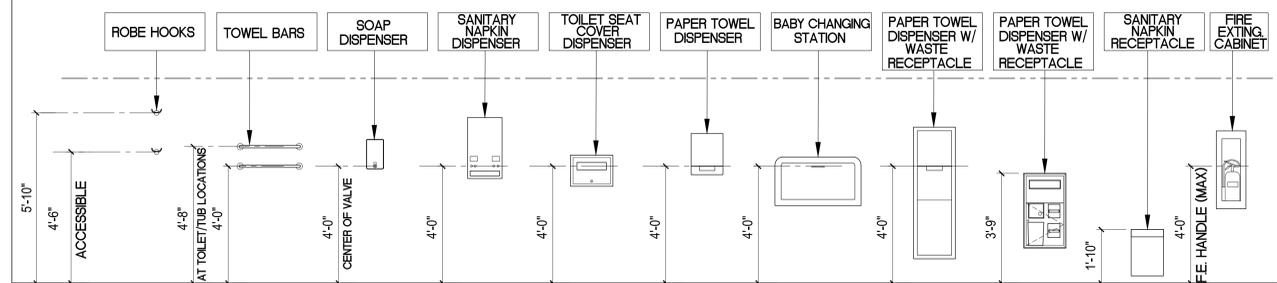
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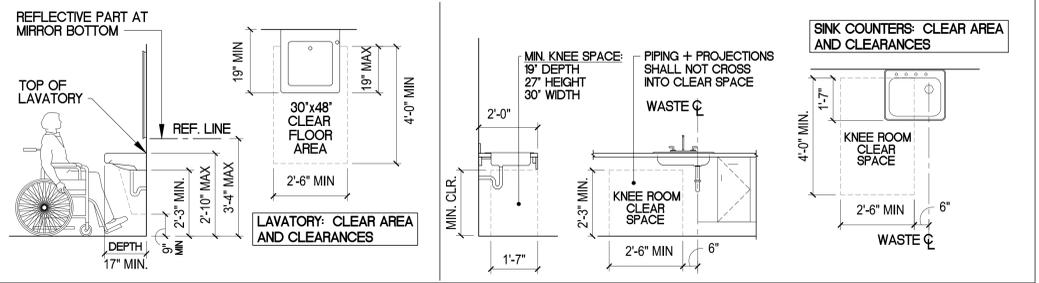
1 ACCESSIBILITY STANDARDS  
 (ANSI) MOUNTING HEIGHTS FOR ACCESSORIES



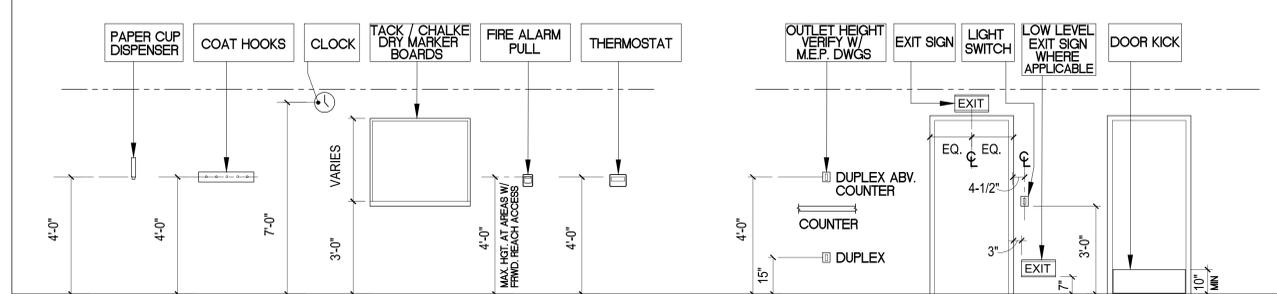
5 ACCESSIBILITY STANDARDS  
 (ANSI 117.1-2017) CLEARANCES FOR DRINKING FOUNTAIN



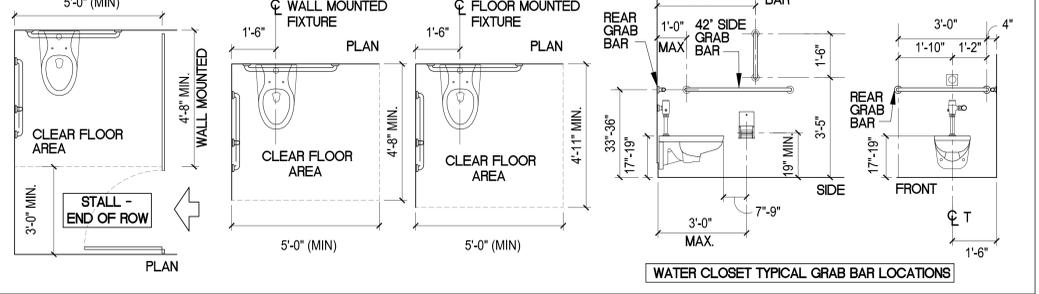
2 ACCESSIBILITY STANDARDS  
 (ANSI) MOUNTING HEIGHTS FOR ACCESSORIES



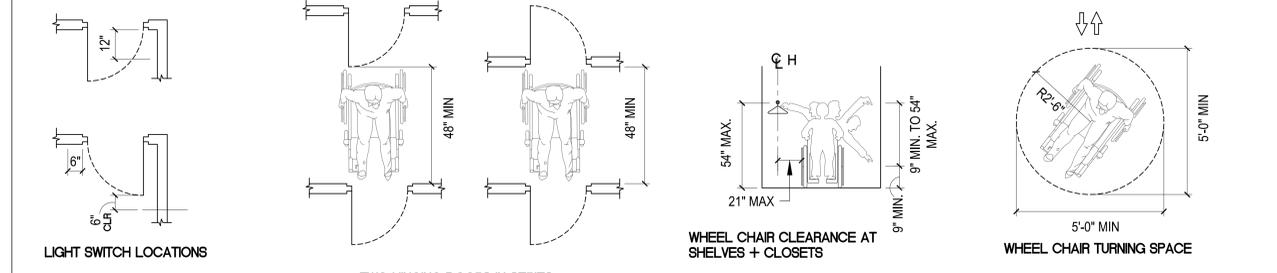
6 ACCESSIBILITY STANDARDS  
 (ANSI 117.1-2017) CLEARANCES FOR LAVATORIES & SINK COUNTERS



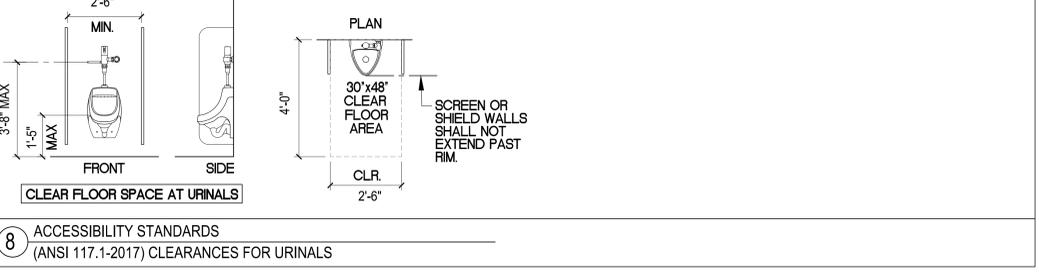
3 ACCESSIBILITY STANDARDS  
 (ANSI) MOUNTING HEIGHTS FOR MISCELLANEOUS ACCESSORIES, OUTLETS, SWITCHES, SIGNS & PLATES



7 ACCESSIBILITY STANDARDS  
 (ANSI 117.1-2017) CLEARANCES & GRAB BAR LOCATIONS FOR STALLS



4 ACCESSIBILITY STANDARDS  
 (ANSI 117.1-2017) MANEUVERING & CLEARANCE SPACE

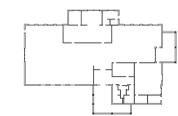


8 ACCESSIBILITY STANDARDS  
 (ANSI 117.1-2017) CLEARANCES FOR URINALS

KEY PLAN:

'CORNWALL PUBLIC LIBRARY'

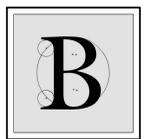
HUDSON ST.



PROJECT:  
**CORNWALL PUBLIC LIBRARY**  
 HVAC SYSTEM  
 REPLACEMENT PROJECT  
 395 HUDSON STREET  
 CORNWALL, NEW YORK 12518  
 SED #: 44-03-01-06-6-009-006

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 MBLAKE@BLAKEENGINEERINGPLLCC.COM



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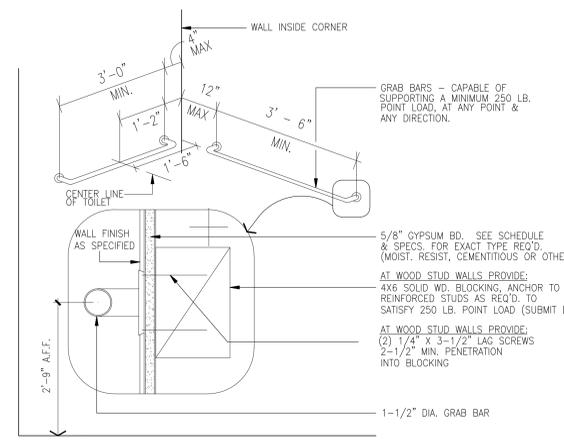
MATTHEW G. BLAKE, P.E., LEED AP  
 NY - 89039 NJ - GE050037 PA - PE079303  
 MA - 53197 CT - 32283 FL - 85928

**A.D.A. DETAILS**

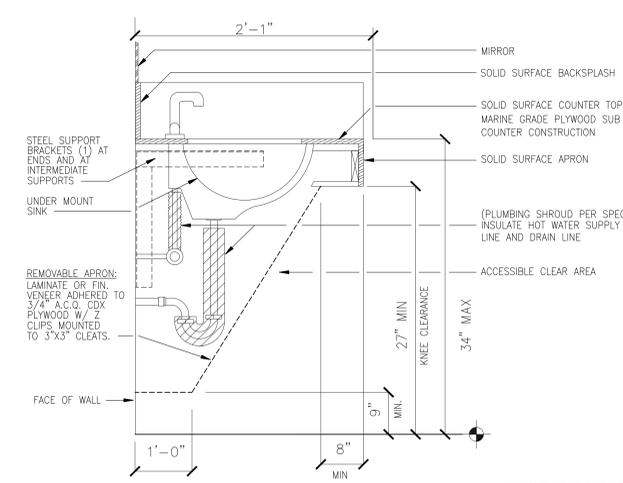
DATE:	DRN:	CHK:	DESCRIPTION:	
01.26.2023	BJK	BJK	CONSTRUCTION DWGS	
REV.	DATE:	DRN:	CHK:	DESCRIPTION:

PROJECT NO. **2150** SHEET NO. **A.501**

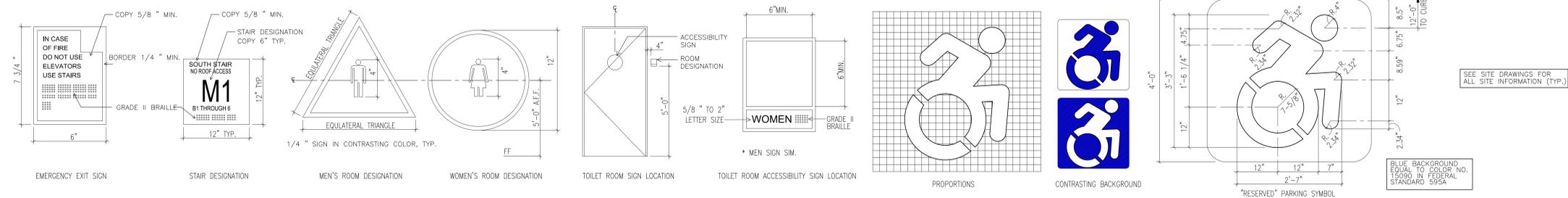
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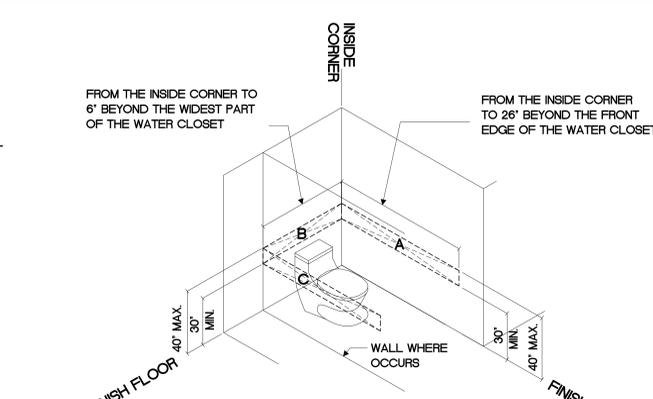
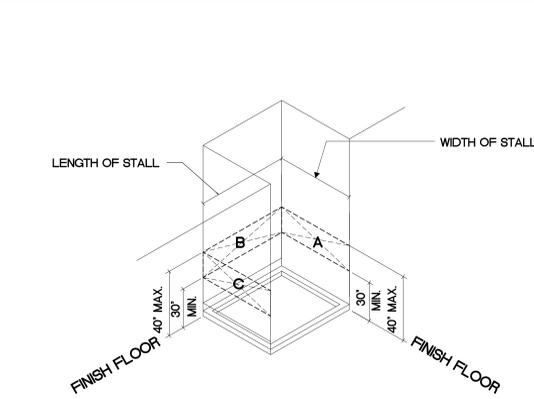
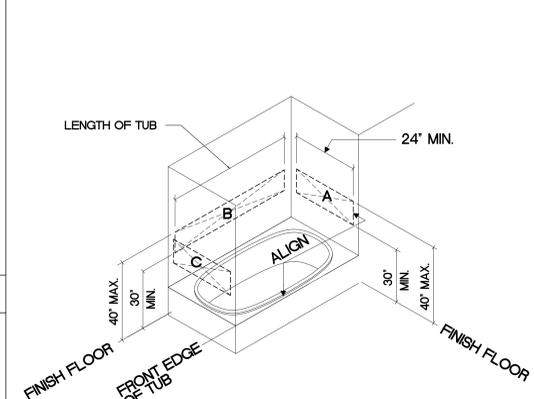
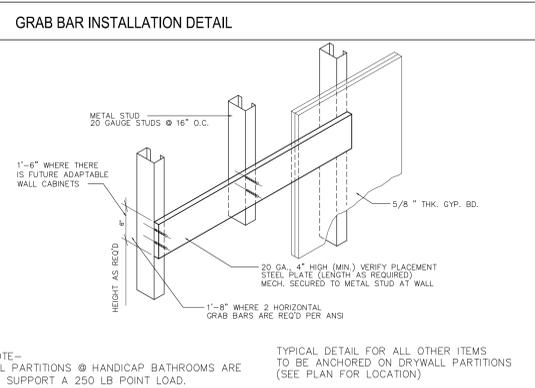
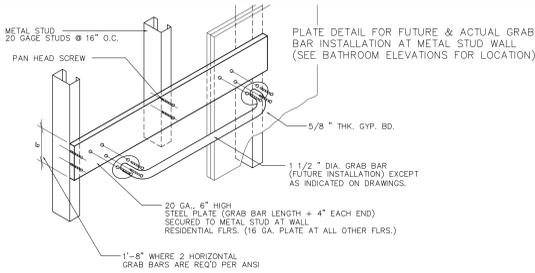
3 GRAB BAR DETAIL (N.T.S.)



4 LAVATORY CLEARANCE DETAIL



2 ACCESSIBILITY STANDARDS SIGNAGE, IDENTIFICATION & INTERNATIONAL SYMBOL OF ACCESSIBILITY



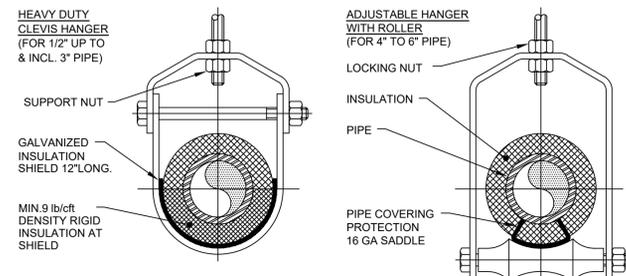
1 ACCESSIBILITY STANDARDS STANDARD REINFORCEMENT FOR TYPICAL BATHROOM MODULES

### Plumbing Fixture Schedule

FIXTURE MARK	DESCRIPTION	PIPING CONNECTION				WATER SUPPLY FIXTURE UNITS	DRAINAGE FIXTURE UNITS	ADA (Y/N)	ELECTRONIC CONTROL (Y/N)	MANUFACTURER/MODEL (OR ACCEPTABLE EQUAL)	REMARKS
		H.W.	C.W.	WASTE	VENT						
1	WATER CLOSET	-	1	4	2	10.0	4	Y	Y	WATER CLOSET TYPICAL OF ZURN MODEL #Z5615-BWL-AM HET; WALL HUNG W/ ELONGATED FRONT RIM; 1.28 GPF; FURNISH W/ SEAT MODEL #Z5955SS-EL AND HARDWIRED FLUSH VALVE MODEL# ZEMS6000AV-HET	INSTALL PER ADA & MANUFACTURER'S REQUIREMENTS; FURNISH FLUSHMETER HARDWIRING KITS FOR INSTALLATION BY EC
2	URINAL	-	3/4	2	2	5.0	2	Y	Y	URINAL TYPICAL OF ZURN ECOVANTAGE MODEL #Z5758.234.00; WHITE VITREOUS CHINA; 0.125 GPF; FURNISH W/ HARDWIRED SENSOR FLUSH VALVE MODEL #ZEM6030AV-JULS-IS	INSTALL PER ADA & MANUFACTURER'S REQUIREMENTS; FURNISH FLUSHMETER HARDWIRING KITS FOR INSTALLATION BY EC
3	2 STATION SINK	1/2	1/2	1-1/2	1-1/2	2.0	1	Y	Y	2 STATION SINK TYPICAL OF SLOAN ELWF-82000; PROVIDE HARDWIRED SENSOR FAUCET MODEL #SF-2900 W/ PLUG IN ADAPTER & DAISY CHAIN ELECTRICAL CABLE W/ ADA STRAINER, P-TRAP & ADA TRAP/STOP/SUPPLY PROTECTORS	INSTALL PER ADA & MANUFACTURER'S REQUIREMENTS
4	BI-LEVEL ADA DRINKING FOUNTAIN W/ BOTTLE FILLER	-	3/8	1-1/2	1-1/2	0.25	0.5	Y	-	BOTTLE FILLING STATION & BI-LEVEL ADA COOLER TYPICAL OF ELKAY MODEL #LZSTL8WSSK; FILTERED 8 GPH STAINLESS	INSTALL PER ADA & MANUFACTURER'S REQUIREMENTS
5	2'x2' MOP BASIN	1/2	1/2	3	2	1.4	2	N	N	MOP BASIN TYPICAL OF FIAT MODEL #MSB-2424; SHEET MOLDING COMPOUND CONSTRUCTION; FURNISH W/ FAUCET #830-AA; HOSE & BRACKET #832-AA; MOP HANGER #889-CC & STAINLESS WALL GUARD #MSG2424	INSTALL PER MANUFACTURER'S REQUIREMENTS
6	ELECTRIC WATER HEATER	3/4	3/4	-	-	-	-	-	-	ELECTRIC WATER HEATER TYPICAL OF AO SMITH MODEL #DEL-20S-4; 20 GAL. CAPACITY; 18 GPH RECOVERY @ 90F RISE; 4 KW INPUT; 208V, 1 PHASE	INSTALL PER MANUFACTURER'S REQUIREMENTS
7	1 STATION SINK	1/2	1/2	1-1/2	1-1/2	2.0	1	Y	Y	1 STATION SINK TYPICAL OF SLOAN ELC-41000; PROVIDE HARDWIRED SENSOR FAUCET MODEL #SF-2900 W/ PLUG IN ADAPTER W/ ADA STRAINER, P-TRAP & ADA TRAP/STOP/SUPPLY PROTECTORS	INSTALL PER ADA & MANUFACTURER'S REQUIREMENTS
8	STAINLESS STEEL UNDERMOUNT SINK	1/2	1/2	1-1/2	1-1/2	2.0	1	Y	N	STAINLESS STEEL UNDERMOUNT SINK TYPICAL OF ELKAY ELU131655PD; PROVIDE FAUCET MODEL LKGT1042 & PERFECT DRAIN FITTING MODEL LKPD1	INSTALL PER ADA & MANUFACTURER'S REQUIREMENTS

ADD ALTERNATE PC-01  
(FIXTURES 1-6)

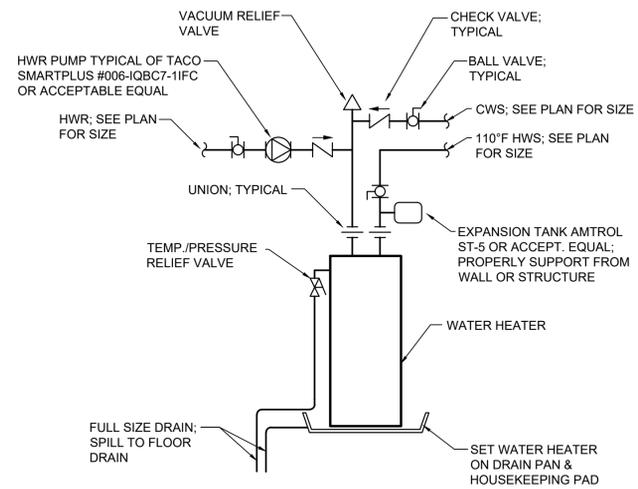
CONTRACT #5  
(FIXTURES 7-8)



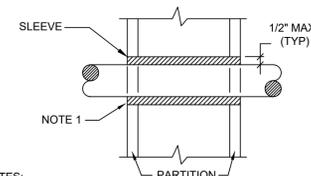
- NOTES:  
1. PIPE 8" AND LARGER SHALL HAVE ROLLER SUPPORTED WITH DUAL RODS.  
2. FOR CHW SERVICE OVER 3" REPLACE SADDLE WITH 12" LONG 14 GA SHIELD WITH RIGID INSULATION BETWEEN PIPE AND SHIELD.

PIPE Ø (IN.)	MAX. SPACING BETWEEN HANGERS (FT.)			MIN. ROD SIZE (IN.)
	STEEL PIPE	COPPER PIPE	CPVC	
1/2 THRU 1	7	5	5	3/8
1-1/2 THRU 2	9	8	6	3/8
2-1/2	11	9	7.5	1/2
3	12	10	7.5	1/2
4	14	12	8.5	5/8
6	17	14	9	3/4
8	19	16	10	7/8
10	22	18	10.5	7/8

1 Pipe Hanger Support  
P.101 N.T.S.

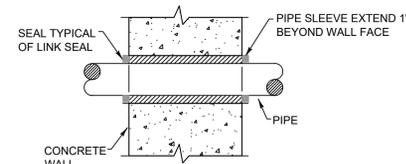


2 Water Heater Detail  
P.101 Scale: None

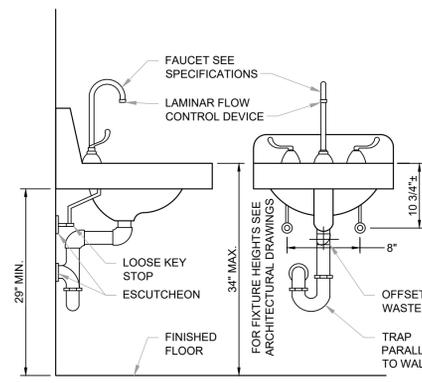


- NOTES:  
1. AT FIRE RATED PARTITIONS, ADD ADDITIONAL LAYER OF FIRE SAFING INSULATION AROUND PENETRATION SO AS TO FILL CAVITY.  
2. DUCT AND PIPE PENETRATIONS THRU CORRIDOR WALLS ABOVE THE CEILING ARE TO BE FIRE STOPPED AROUND THE PENETRATION.

3 Pipe Penetrations Detail  
P.101 N.T.S.



4 Exterior Wall Pipe Penetrations  
P.101 N.T.S.



5 Accessible Lavatory Detail  
P.101 Scale: None

### Plumbing Legend:

---	DOMESTIC COLD WATER SUPPLY
----	110 °F DOMESTIC HOT WATER SUPPLY
-----	140 °F DOMESTIC HOT WATER SUPPLY
-----	HOT WATER RETURN
-----	SANITARY SEWER, ABOVE GRADE
-----	SANITARY SEWER, BELOW GRADE
-----	PLUMBING VENT
-----	STORM WATER, ABOVE GRADE
-----	STORM WATER, BELOW GRADE
---	LP GAS PIPING
---	DIRECTION OF PIPE SLOPE (DOWN)
---	CONCENTRIC REDUCER OR INCREASER
---	ECCENTRIC REDUCER
---	TOP CONNECTION, 45° OR 90°
---	BOTTOM CONNECTION, 45° OR 90°
---	SIDE CONNECTION
---	CAPPED OUTLET
---	RISE OR DROP IN PIPE
---	UNION
---	PIPE UP
---	PIPE DOWN
---	POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK
---	STRAINER
---	HOSE BIB
---	SOLENOID VALVE
---	GATE VALVE
---	GLOBE VALVE
---	CHECK VALVE
---	BUTTERFLY VALVE
---	FULL PORT BALL VALVE
---	PRESSURE GAUGE
---	FLOOR CLEANOUT W/ DECK PLATE
---	CLEANOUT
---	WALL CLEANOUT
---	CLEANOUT TO GRADE
---	PLUMBING FIXTURE MARK

### Plumbing Notes:

- ALL MATERIALS AND EQUIPMENT ARE TO BE NEW, UNUSED, AND FREE FROM DEFECTS OF ANY KIND. THE BASIS OF QUALITY SHALL BE THE LATEST REVISION OF ASTM, ANSI, OR OTHER ACCEPTABLE STANDARDS.
- THESE DRAWINGS ARE DIAGRAMMATIC, AND INDICATE GENERAL ARRANGEMENT OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO HAVE REVIEWED THE SITE FOR HIS WORK PRIOR TO HAVING SUBMITTED HIS PROPOSAL. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CONDITIONS FOUND DURING THE COURSE OF THE CONTRACT.
- THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF ALL OTHER TRADES.
- ALL WORK INCLUDING LABOR AND MATERIALS SHALL BE FULLY GUARANTEED FOR ONE (1) YEAR FROM THE DATE OF PAYMENT AND FINAL ACCEPTANCE BY THE OWNER AND ENGINEER.
- ALL CUTTING, PATCHING, FIRE-STOPPING, AND SURFACE RESTORATION IN CONNECTION WITH THIS TRADE SHALL BE COMPLETED BY THIS CONTRACTOR.
- A MINIMUM OF FOUR (4) COPIES OF SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO ORDERING AND INSTALLATION OF THE EQUIPMENT AND/OR MATERIALS. BY SUBMITTING SHOP DRAWINGS, THE CONTRACTOR REPRESENTS THAT ACTUAL FIELD CONDITIONS ARE VERIFIED BY HIM AND ARE REFLECTED ON HIS SUBMITTALS.
- THIS CONTRACTOR SHALL PAY ALL FEES, GIVE ALL NOTICES, FILE ALL NECESSARY DRAWINGS, AND OBTAIN ALL PERMITS, INSPECTIONS AND CERTIFICATES OF APPROVAL REQUIRED IN CONNECTION WITH WORK UNDER THIS CONTRACT.
- ALL WORK IN ASSOCIATION WITH THIS CONTRACT SHALL BE COMPLETED IN STRICT COMPLIANCE WITH THE 2020 BUILDING CODE OF NEW YORK STATE, 2020 PLUMBING CODE OF NEW YORK STATE, 2020 FUEL GAS CODE OF NEW YORK STATE & 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.
- WHERE THE PROJECT INVOLVES A GAS SERVICE, THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION, APPLICATIONS AND FEES OF ALL WORK ASSOCIATED WITH THE LOCAL GAS UTILITY COMPANY. ALL WORK INVOLVING THE GAS UTILITY COMPANY SHALL BE COMPLETED IN ACCORDANCE WITH THEIR REGULATIONS AND GUIDELINES.
- ALL DOMESTIC COLD AND HOT WATER PIPING AND FITTINGS ARE TO BE INSULATED WITH 1" THICK RIGID ONE-PIECE MOLDED SECTIONAL FIBERGLASS PIPE COVERING WITH UNIVERSAL JACKET. ALL JOINTS ARE TO BE COMPLETELY SEALED A MINIMUM OF 6" BEYOND JOINT ENDS.
- ALL PIPING SHALL BE PROPERLY SUPPORTED AND ROUTED PARALLEL OR PERPENDICULAR TO BUILDING WALLS. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL SUPPORT HANGERS AND MISCELLANEOUS METALS REQUIRED FOR PROPER INSTALLATION OF WORK.
- PIPING SYSTEM MATERIALS ARE TO BE AS FOLLOWS:
  - DOMESTIC WATER DISTRIBUTION - CHLORINATED POLYVINYL CHLORIDE (CPVC) PLASTIC PIPE AND FITTINGS. JOINTS SHALL BE MADE IN ACCORDANCE WITH ASTM D 2846 USING A PRIMER AND SOLVENT CEMENT CONFORMING TO ASTM F 493.
  - SANITARY DRAINAGE & VENT - SCHEDULE 40 POLYVINYL CHLORIDE (PVC) PLASTIC PIPE AND FITTINGS. JOINTS SHALL BE MADE IN ACCORDANCE WITH ASTM D 2855 USING A PRIMER CONFORMING TO ASTM F 656 AND SOLVENT CEMENT CONFORMING TO ASTM D 2564.
  - GAS DISTRIBUTION - SCHEDULE 40 BLACK STEEL PIPE WITH MALLEABLE IRON THREADED FITTINGS & THREAD JOINT COMPOUND FOR PIPING THRU 4" DIAMETER. JOINTS MUST BE WELDED FOR PIPING OVER 4" DIAMETER. WHERE PIPING IS TO BE INSTALLED BELOW GRADE, PIPING AND FITTINGS ARE TO BE COATED WITH A CORROSION-RESISTENT MATERIAL.
- ALL EXPOSED PIPING, FITTINGS, TRAPS, ESCUTCHEONS, VALVES, ETC. SHALL BE CHROME PLATED.
- SLOPE SANITARY DRAINAGE PIPING 2" DIAMETER AND SMALLER NOT LESS THAN 1/4" PER FOOT. SLOPE SANITARY DRAINAGE PIPING OVER 2" DIAMETER NOT LESS THAN 1/8" PER FOOT.
- INSTALL A CLEANOUT AT THE BASE OF EACH SOIL STACK, AT EACH CHANGE IN DIRECTION, AT INTERVALS NOT OVER 50 FEET AND ELSEWHERE AS SHOWN ON DRAWINGS OR REQUIRED BY CODE.
- PROVIDE EXPOSED PIPING WITH CHROME PLATED CAST BRASS ESCUTCHEON WITH SET SCREW WHERE PENETRATING FLOORS, CEILINGS, WALLS OR PARTITIONS.
- TEST PIPING AND PROVE TIGHT FOR AT LEAST TWO HOURS IN ACCORDANCE WITH REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION AND/OR AS SPECIFIED. TEST SHALL BE PERFORMED IN THE PRESENCE OF THE ENGINEER AND LOCAL INSPECTOR. TEST SHALL BE REPEATED IF NECESSARY UNTIL FINAL APPROVAL OF SYSTEM IS OBTAINED.
- WATER & GAS PIPING TO BE AIR-PRESSURE TESTED TO 1-1/2 TIMES MAXIMUM WORKING PRESSURE.
- DRAINAGE, WASTE & VENT PIPING TO BE TESTED BY FILLING THE SYSTEM WITH WATER TO 10-FEET ABOVE HIGHEST POINT.
- SUPPORT HORIZONTAL PIPING UTILIZING A SPACING PER PIPING MANUFACTURER'S REQUIREMENTS.
- INSTALL VALVES ON THE ENTIRE DISTRIBUTION SYSTEM, SO LOCATED AS TO GIVE COMPLETE CONTROL TO ALL FIXTURES AND EQUIPMENT.
- INSTALL DRAIN VALVES AT BASE OF ALL RISERS AND AT LOW POINTS OF PIPING SYSTEM.
- THE CONTRACTOR IS RESPONSIBLE TO TEST ALL EQUIPMENT, PIPING, FIXTURES, AND SYSTEMS INSTALLED UNDER THIS CONTRACT TO ENSURE PROPER OPERATION PRIOR TO FINAL ACCEPTANCE BY THE OWNER AND ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE TO DETERMINE WHETHER SPECIAL LICENSING IS REQUIRED IN ORDER TO PERFORM THE REQUIRED WORK IN THE MUNICIPALITY WHERE THE PROJECT IS LOCATED. IF THE CONTRACTOR CANNOT OBTAIN THE REQUIRED LICENSING TO COMPLETE THE WORK WITHIN THE PROJECT SCHEDULE, THEN THE CONTRACTOR SHALL NOT BE PERMITTED TO BID ON THIS PROJECT.
- CONTRACTOR IS RESPONSIBLE TO CREATE AND SUBMIT RED-LINE "AS-BUILT" PLANS TO THE ENGINEER AT THE END OF THE PROJECT. AS-BUILT PLANS SHALL ACCURATELY REPRESENT THE SYSTEMS AS THEY WERE INSTALLED.

### KEY PLAN:

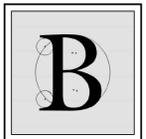
'CORNWALL PUBLIC LIBRARY'



PROJECT:  
CORNWALL PUBLIC LIBRARY  
HVAC SYSTEM REPLACEMENT PROJECT  
395 HUDSON STREET  
CORNWALL, NEW YORK 12518  
SED #44-03-01-06-6-009-006

SUB-CONSULTANT:

ENGINEER:



**BLAKE ENGINEERING PLLC**  
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WESTTOWN, NEW YORK 10998  
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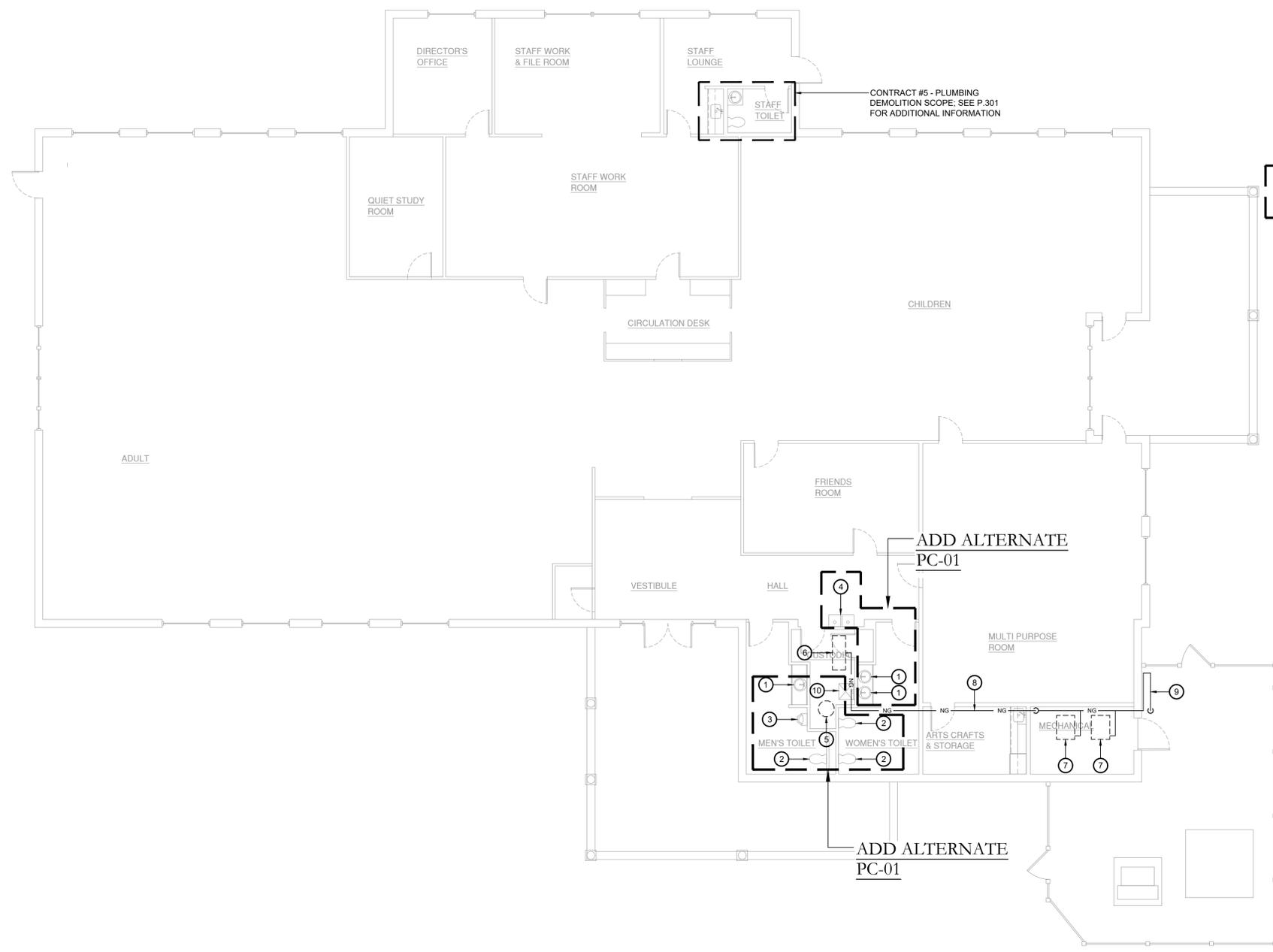
MATTHEW G. BLAKE, P.E., LEED AP  
NY - 89039 NJ - GE050037 PA - PE079303  
MA - 53197 CT - 32283 FL - 85928

### PLUMBING LEGEND, NOTES, SCHEDULE & DETAILS

DATE	DRN	CHK	DESCRIPTION
01.26.2023	BJK	BJK	CONSTRUCTION DWGS

REV.	DATE	DRN	CHK	DESCRIPTION

PROJECT NO. **2150** SHEET NO. **P.101**



**Key Notes:**

- ① EXISTING LAVATORY TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF. DEMOLISH SANITARY, VENT & WATER PIPING BACK TO MAINS AT FLOOR AND/OR WALL & CAP; MAINTAIN SERVICES FOR RECONNECTION TO NEW FIXTURE(S)
- ② EXISTING WATER CLOSET TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF. DEMOLISH SANITARY, VENT & WATER PIPING BACK TO MAINS AT FLOOR AND/OR WALL & CAP; MAINTAIN SERVICES FOR RECONNECTION TO NEW FIXTURE(S)
- ③ EXISTING URINAL TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF. DEMOLISH SANITARY, VENT & WATER PIPING BACK TO MAINS AT FLOOR AND/OR WALL & CAP; MAINTAIN SERVICES FOR RECONNECTION TO NEW FIXTURE(S)
- ④ EXISTING DRINKING FOUNTAIN TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF. DEMOLISH SANITARY, VENT & WATER PIPING BACK TO MAINS AT FLOOR AND/OR WALL & CAP; MAINTAIN SERVICES FOR RECONNECTION TO NEW FIXTURE(S)
- ⑤ EXISTING ELECTRIC WATER HEATER TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF. DEMOLISH SANITARY, VENT & WATER PIPING BACK TO MAINS AT FLOOR AND/OR WALL & CAP; MAINTAIN SERVICES FOR RECONNECTION TO NEW FIXTURE(S)
- ⑥ EXISTING GAS FIRED HUMIDIFIER TO BE REMOVED BY MC; PLUMBING CONTRACTOR TO DISCONNECT GAS AND WATER LINES FROM UNIT PRIOR TO REMOVAL
- ⑦ EXISTING GAS FIRED BOILER TO BE REMOVED BY MC; PLUMBING CONTRACTOR TO DISCONNECT GAS AND DOMESTIC WATER LINES FROM UNIT PRIOR TO REMOVAL
- ⑧ DISCONNECT, REMOVE & PROPERLY DISPOSE OF ALL NATURAL GAS PIPING INSIDE OF THE BUILDING SERVING THE GAS HUMIDIFIER AND BOILERS; FIELD VERIFY EXACT ROUTING AND QUANTITY
- ⑨ MODIFY EXISTING NATURAL GAS METER RISER; REMOVE ALL PIPING FROM INSIDE THE BUILDING BACK TO THE RISER; MAINTAIN GAS SERVICE TO EXISTING GENERATOR; COORDINATE W/ UTILITY COMPANY FOR MODIFICATIONS TO SERVICE RISER
- ⑩ EXISTING MOP SINK TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF. DEMOLISH SANITARY, VENT & WATER PIPING BACK TO MAINS AT FLOOR AND/OR WALL & CAP; MAINTAIN SERVICES FOR RECONNECTION TO NEW FIXTURE(S)

ADD ALTERNATE  
PC-01

ADD ALTERNATE  
PC-01

ADD ALTERNATE  
PC-01

ADD ALTERNATE  
PC-01

KEY PLAN:  
**'CORNWALL PUBLIC LIBRARY'**  
HUDSON ST.  
TRUE NORTH  
PROJECT NORTH

PROJECT:  
**CORNWALL PUBLIC LIBRARY**  
**HVAC SYSTEM**  
**REPLACEMENT PROJECT**  
395 HUDSON STREET  
CORNWALL, NEW YORK 12518  
SED #44-03-01-06-6-009-006

SUB-CONSULTANT:

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NOT VALID FOR CONSTRUCTION UNLESS SIGNED AND SEALED BY ENGINEER

MATTHEW G. BLAKE, P.E., LEED AP  
NY - 89039 NJ - GE050037 PA - PE079303  
MA - 53197 CT - 32283 FL - 85928

**PLUMBING DEMOLITION PLAN**

DATE	DRN	CHK	DESCRIPTION
01.26.2023	BJK	BJK	CONSTRUCTION DWGS

REV.	DATE	DRN	CHK	DESCRIPTION

PROJECT NO. **2150** SHEET NO. **PD.201**

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1 Plumbing Demolition Plan  
PD.201 Scale: 1/8" = 1'-0"

KEY PLAN:

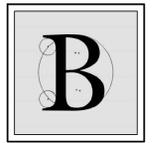
'CORNWALL PUBLIC LIBRARY'



PROJECT:  
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HVAC SYSTEM REPLACEMENT PROJECT  
395 HUDSON STREET  
CORNWALL, NEW YORK 12518  
SED #:44-03-01-06-6-009-006

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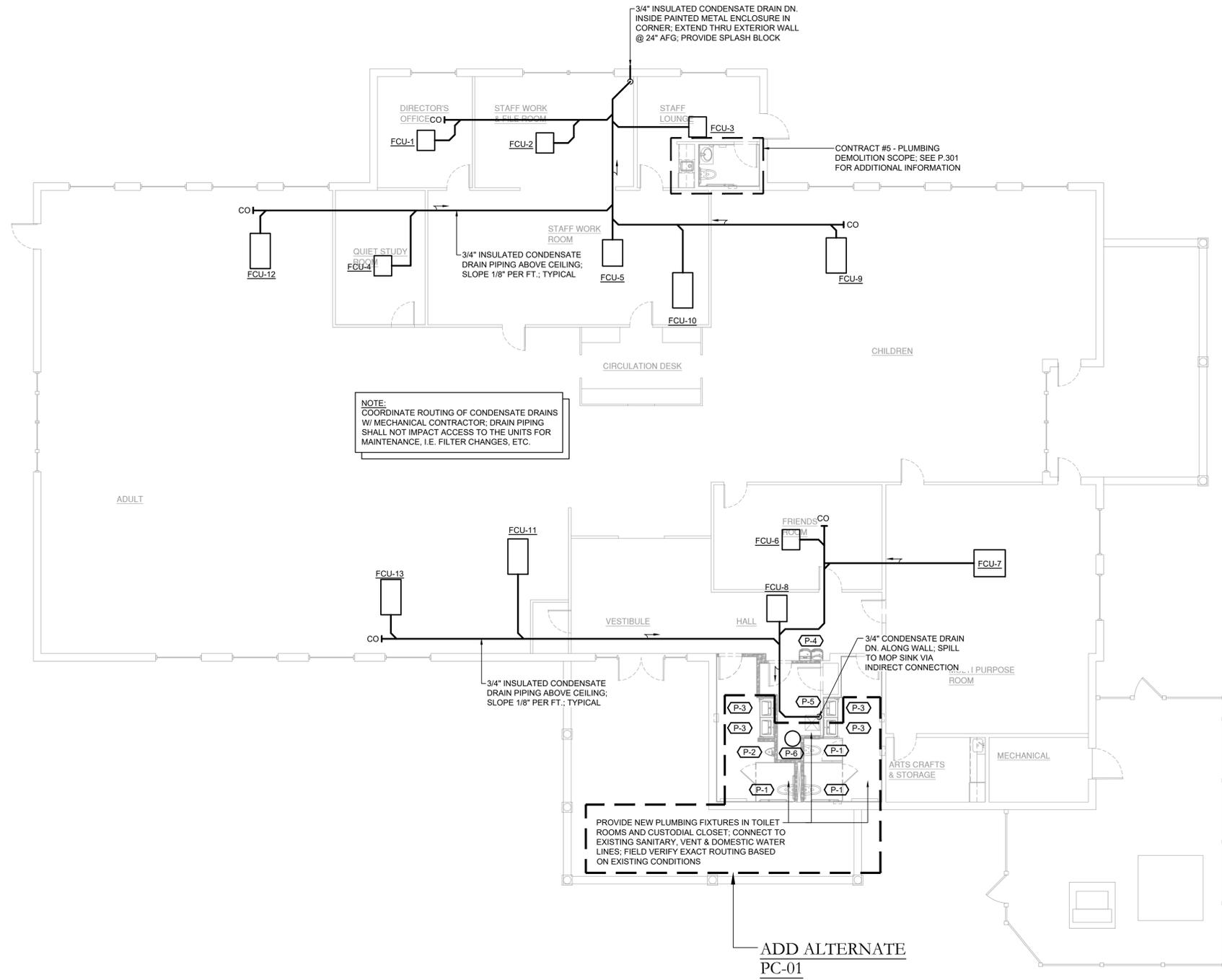
**PLUMBING PLAN**

DATE	DRN	CHK	DESCRIPTION
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REV.	DATE	DRN	CHK	DESCRIPTION

PROJECT NO. <b>2150</b>	SHEET NO. <b>P.201</b>
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NOTE:  
COORDINATE ROUTING OF CONDENSATE DRAINS W/ MECHANICAL CONTRACTOR. DRAIN PIPING SHALL NOT IMPACT ACCESS TO THE UNITS FOR MAINTENANCE, I.E. FILTER CHANGES, ETC.

PROVIDE NEW PLUMBING FIXTURES IN TOILET ROOMS AND CUSTODIAL CLOSET; CONNECT TO EXISTING SANITARY, VENT & DOMESTIC WATER LINES; FIELD VERIFY EXACT ROUTING BASED ON EXISTING CONDITIONS

ADD ALTERNATE PC-01

1 Plumbing Plan  
P.201 Scale: 1/8" = 1'-0"

**Key Notes:**

- ① EXISTING LAVATORY TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF. DEMOLISH SANITARY, VENT & WATER PIPING BACK TO MAINS AT FLOOR AND/OR WALL & CAP. MAINTAIN SERVICES FOR RECONNECTION TO NEW FIXTURE(S)
- ② EXISTING WATER CLOSET TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF. DEMOLISH SANITARY, VENT & WATER PIPING BACK TO MAINS AT FLOOR AND/OR WALL & CAP. MAINTAIN SERVICES FOR RECONNECTION TO NEW FIXTURE(S)
- ③ EXISTING KITCHENETTE SINK TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF. DEMOLISH SANITARY, VENT & WATER PIPING BACK TO MAINS AT FLOOR AND/OR WALL & CAP. MAINTAIN SERVICES FOR RECONNECTION TO NEW FIXTURE(S)

**KEY PLAN:**

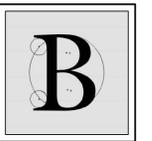
'CORNWALL PUBLIC LIBRARY'



**PROJECT:**  
 CORNWALL PUBLIC LIBRARY  
 HVAC SYSTEM REPLACEMENT PROJECT  
 395 HUDSON STREET  
 CORNWALL, NEW YORK 12518  
 SED #:44-03-01-06-6-009-006

**SUB-CONSULTANT:**

**ENGINEER:**



**BLAKE ENGINEERING PLLC**  
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 WESTTOWN, NEW YORK 10998  
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 MBLAKE@BLAKEENGINEERINGPLLCCOM



NOT VALID FOR CONSTRUCTION UNLESS SIGNED AND SEALED BY ENGINEER

MATTHEW G. BLAKE, P.E., LEED AP  
 NY - 89039 NJ - GE050037 PA - PE079303  
 MA - 53197 CT - 32283 FL - 85928

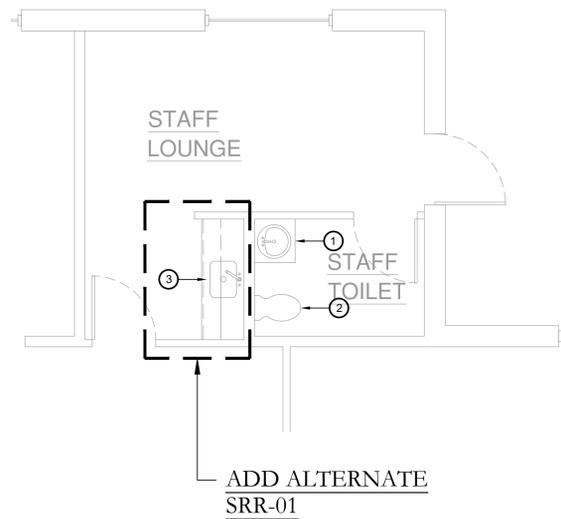
**STAFF RESTROOM & KITCHENETTE PLUMBING PLAN (CONTRACT #5)**

DATE	DRN	CHK	DESCRIPTION
01.26.2023	BJK	BJK	CONSTRUCTION DWGS

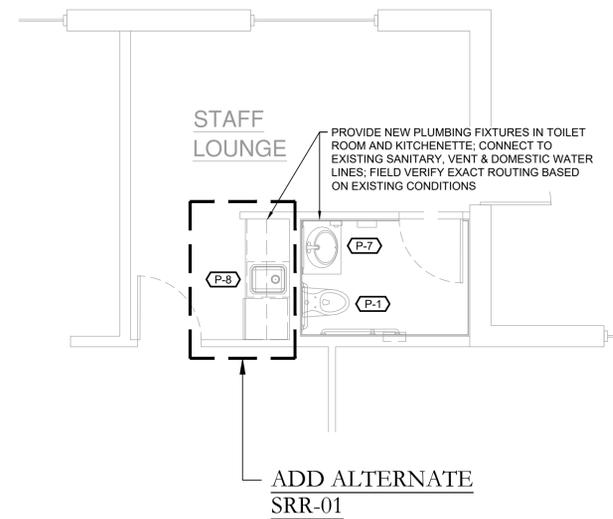
REV.	DATE	DRN	CHK	DESCRIPTION

PROJECT NO. <b>2150</b>	SHEET NO. <b>P.301</b>
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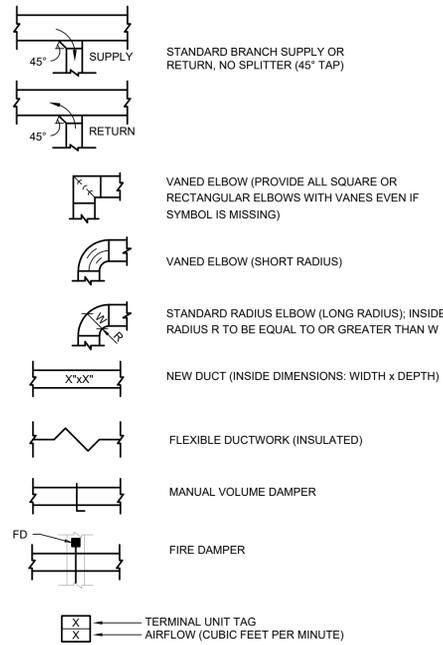
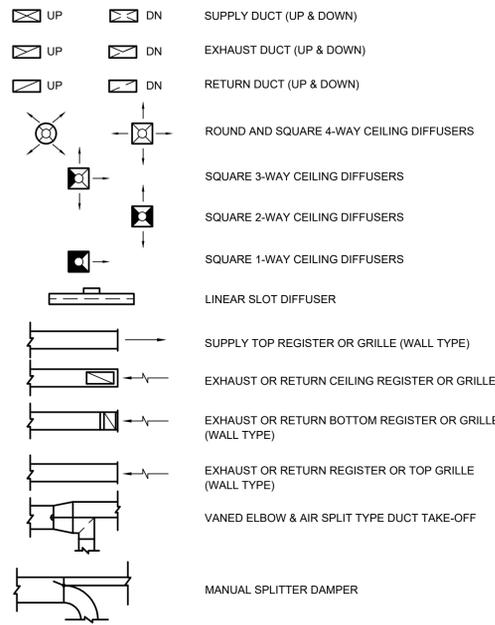


① Plumbing Demolition Plan  
 P.301 Scale: 1/4" = 1'-0"

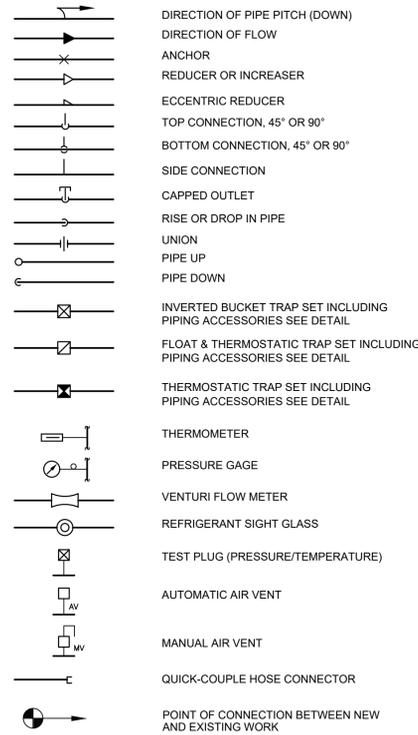


② Plumbing Plan  
 P.301 Scale: 1/4" = 1'-0"

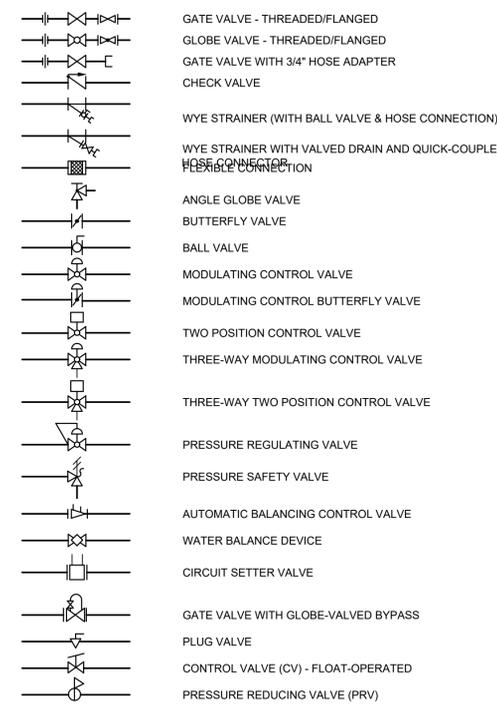
**Mechanical Legend :**



**Piping Legend:**



**Valve Legend:**



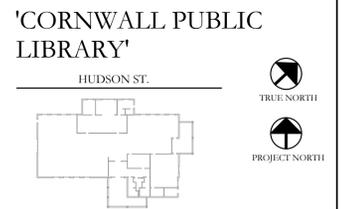
**Mechanical Notes:**

- ALL MATERIALS AND EQUIPMENT ARE TO BE NEW, UNUSED, AND FREE FROM DEFECTS OF ANY KIND. THE BASIS OF QUALITY SHALL BE THE LATEST REVISION OF ASTM, ANSI, OR OTHER ACCEPTABLE STANDARDS.
- THESE DRAWINGS ARE DIAGRAMMATIC, AND INDICATE GENERAL ARRANGEMENT OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO HAVE REVIEWED THE SITE FOR HIS WORK PRIOR TO HAVING SUBMITTED HIS PROPOSAL. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CONDITIONS FOUND DURING THE COURSE OF THE CONTRACT.
- THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF ALL OTHER TRADES.
- ALL WORK INCLUDING LABOR AND MATERIALS SHALL BE FULLY GUARANTEED FOR ONE (1) YEAR FROM THE DATE OF PAYMENT AND FINAL ACCEPTANCE BY THE OWNER AND ENGINEER.
- ALL CUTTING, PATCHING, FIRE-STOPPING, AND SURFACE RESTORATION IN CONNECTION WITH THIS TRADE SHALL BE COMPLETED BY THIS CONTRACTOR.
- A MINIMUM OF FOUR (4) COPIES OF SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO ORDERING AND INSTALLATION OF THE EQUIPMENT AND/OR MATERIALS. BY SUBMITTING SHOP DRAWINGS, THE CONTRACTOR REPRESENTS THAT ACTUAL FIELD CONDITIONS ARE VERIFIED BY HIM AND ARE REFLECTED ON HIS SUBMITTALS.
- THIS CONTRACTOR SHALL PAY ALL FEES, GIVE ALL NOTICES, FILE ALL NECESSARY DRAWINGS, AND OBTAIN ALL PERMITS, INSPECTIONS AND CERTIFICATES OF APPROVAL REQUIRED IN CONNECTION WITH WORK UNDER THIS CONTRACT.
- ALL WORK IN ASSOCIATION WITH THIS CONTRACT SHALL BE COMPLETED IN STRICT COMPLIANCE WITH THE 2020 BUILDING CODE OF NEW YORK STATE, 2020 MECHANICAL CODE OF NEW YORK STATE & 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.
- ALL HYDRONIC HOT WATER PIPING AND FITTINGS ARE TO BE INSULATED WITH A MINIMUM OF R-3 INSULATION. ALL JOINTS ARE TO BE COMPLETELY SEALED A MINIMUM OF 6" BEYOND JOINT ENDS.
- ALL PIPING SHALL BE PROPERLY SUPPORTED AND ROUTED PARALLEL OR PERPENDICULAR TO BUILDING WALLS. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL SUPPORT HANGERS AND MISCELLANEOUS METALS REQUIRED FOR PROPER INSTALLATION OF WORK.
- ALL PIPING SHALL BE PITCHED SUCH THAT AIR IN THE SYSTEM CAN BE VENTED THROUGH MANUAL AIR VENTS.
- TEST PIPING AND PROVE TIGHT FOR AT LEAST TWO HOURS TO TWICE THE SYSTEM WORKING PRESSURE. TEST SHALL BE PERFORMED IN THE PRESENCE OF THE ENGINEER AND LOCAL INSPECTOR. TEST SHALL BE REPEATED IF NECESSARY UNTIL FINAL APPROVAL OF SYSTEM IS OBTAINED.
- SUPPORT HORIZONTAL PIPING UTILIZING A SPACING PER PIPING MANUFACTURER'S REQUIREMENTS.
- INSTALL VALVES ON THE ENTIRE DISTRIBUTION SYSTEM, SO LOCATED AS TO GIVE COMPLETE CONTROL TO ALL FIXTURES AND EQUIPMENT.
- INSTALL DRAIN VALVES AT BASE OF ALL RISERS AND AT LOW POINTS OF PIPING SYSTEM. INSTALL MANUAL AIR VENT VALVE FACILITIES AT THE TOP OF ALL RISERS AND AT HIGH POINTS OF THE PIPING SYSTEM.
- INSTALL ALL HYDRONIC PIPING AS HIGH AS POSSIBLE PROVIDING RISERS, DROPS AND OFFSETS TO CLEAR STRUCTURAL MEMBERS, LIGHT FIXTURES, OTHER PIPING, AND OTHER OBSTRUCTIONS. WHERE CONFLICTS ARISE, IT SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO PROCEEDING.
- THE ENTIRE HYDRONIC SYSTEM IS TO BE BALANCED TO WITHIN 10% OF THE SPECIFIED WATER FLOWRATE REQUIREMENTS. A CERTIFIED BALANCING REPORT AND VERIFICATION IS TO BE SUBMITTED TO THE ENGINEER PRIOR TO FINAL ACCEPTANCE.
- ALL DUCTWORK IS TO BE CONSTRUCTED OF GALVANIZED SHEET STEEL (EXCEPT WHERE OTHERWISE SPECIFIED) WITH GAUGES, BRACING AND CONSTRUCTION IN ACCORDANCE WITH THE LATEST SMACNA DUCT MANUAL STANDARDS AND ALL OTHER AUTHORITIES HAVING JURISDICTION.
- PROVIDE MANUAL DAMPERS AT EACH SPLIT OR TAP CONNECTION TO TRUNK DUCTS FOR BALANCING PURPOSES WHETHER OR NOT SPECIFICALLY SHOWN ON DRAWINGS. EACH DAMPER SHALL BE OF THE OPPOSED BLADE DAMPER TYPE INSTALLED WITH AN OPERATOR AND LOCKING DEVICE. ALL DAMPERS LOCATED ABOVE HARD OR INACCESSIBLE CEILINGS SHALL BE INSTALLED WITH REMOTE GEAR OPERATORS.
- FURNISH & INSTALL FUSIBLE LINK FIRE DAMPERS AT ALL LOCATIONS WHERE DUCT PENETRATES FIRE-RATED FLOOR OR CEILING ASSEMBLY WHETHER OR NOT SPECIFICALLY SHOWN. INSTALL DUCTWORK CASING ACCESS DOORS AND FRAMES AHEAD OF EACH FIRE DAMPER FOR INSPECTION AND MAINTENANCE. DOORS SHALL BE A MINIMUM OF 20 GA. DOUBLE PANEL INSULATED TYPE.
- INSTALL TURNING VANES ON ALL RECTANGULAR TURNS. TURNING VANES SHALL BE DOUBLE THICKNESS TYPE CONSTRUCTED IN ACCORDANCE WITH SMACNA MANUAL.
- ROUND SHEET STEEL ELBOWS ARE TO BE INSTALLED AT THE DUCT CONNECTION TO ALL SUPPLY AIR DIFFUSERS. SHEET STEEL PLENUM BOXES ARE TO BE INSTALLED AT THE DUCT CONNECTION TO ALL RETURN AND EXHAUST AIR GRILLES. THE CONTRACTOR IS TO PAINT THE INSIDE OF THE SHEET STEEL PLENUM BOXES FLAT BLACK.
- ALL SUPPLY AND RETURN DUCTWORK LOCATED IN UNCONDITIONED SPACES OR ABOVE CEILINGS SHALL BE INSULATED WITH A MINIMUM OF R-5 INSULATION. ALL DUCTWORK LOCATED OUTSIDE THE BUILDING ENVELOPE SHALL BE INSULATED WITH A MINIMUM OF R-8 INSULATION. INSULATION SHALL BE FIBERGLASS DUCT WRAP WITH VAPOR SEAL SECURELY TAPED AROUND DUCT. IF DUCT LINING IS TO BE USED, ALL DUCT SIZES SHOWN SHALL BE CONSIDERED TO BE INSIDE CLEAR DIMENSIONS.
- INSTALL ALL DUCTWORK AS HIGH AS POSSIBLE PROVIDING RISERS, DROPS AND OFFSETS TO CLEAR STRUCTURAL MEMBERS, LIGHT FIXTURES, OTHER PIPING, AND OTHER OBSTRUCTIONS. WHERE CONFLICTS ARISE, IT SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO PROCEEDING.
- THE ENTIRE AIR DISTRIBUTION SYSTEM IS TO BE BALANCED TO WITHIN 10% OF THE SPECIFIED AIRFLOW REQUIREMENTS.
- THE CONTRACTOR IS RESPONSIBLE TO TEST ALL EQUIPMENT, PIPING, FIXTURES, AND SYSTEMS INSTALLED UNDER THIS CONTRACT TO ENSURE PROPER OPERATION PRIOR TO FINAL ACCEPTANCE BY THE OWNER AND ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE TO DETERMINE WHETHER SPECIAL LICENSING IS REQUIRED IN ORDER TO PERFORM THE REQUIRED WORK IN THE MUNICIPALITY WHERE THE PROJECT IS LOCATED. IF THE CONTRACTOR CANNOT OBTAIN THE REQUIRED LICENSING TO COMPLETE THE WORK WITHIN THE PROJECT SCHEDULE, THEN THE CONTRACTOR SHALL NOT BE PERMITTED TO BID ON THIS PROJECT.
- CONTRACTOR IS RESPONSIBLE TO CREATE AND SUBMIT RED-LINE "AS-BUILT" PLANS TO THE ENGINEER AT THE END OF THE PROJECT. AS-BUILT PLANS SHALL ACCURATELY REPRESENT THE SYSTEMS AS THEY WERE INSTALLED.

**Mechanical Equipment:**

- T** WIRED ZONE CONTROLLER TYPICAL OF HITACHI MODEL CW01; LARGE BACKLIT LCD WITH CONTROL OF TEMPERATURE, MODE AND FAN SPEED; MTD. @ 5'-0" A.F.F.
- T H** PROGRAMMABLE THERMOSTAT TYPICAL OF HONEYWELL MODEL TH8321R1001; 7 DAY PROGRAMMABLE; MTD. @ 5'-0" A.F.F.
- CC** CENTRAL CONTROLLER TYPICAL OF HITACHI MODEL CCL01; CONTROLS UP TO 64 GROUPS OF INDOOR UNITS W/ TOUCH SCREEN INTERFACE; MTD. @ 5'-0" A.F.F.
- COB** VRF CHANGE OVER BOX FOR SIMULTANEOUS HEATING AND COOLING OPERATION; TYPICAL OF HITACHI COB08M264B2ZS OR EQUAL; 208/1160
- MD-1** MOTORIZED FRESH AIR DAMPER TYPICAL OF RESIDEO (HONEYWELL) MODEL ARD OR ACCEPTABLE EQUAL; DAMPER SIZE TO MATCH SIZE OF DUCTWORK WHERE DAMPER IS INSTALLED; 24V POWER; FIELD-CONVERT TO POWER-OPEN/SPRING-CLOSE FOLLOWING MANUFACTURER'S INSTRUCTIONS; INTERLOCK ALL DAMPERS WITH ENERGY RECOVERY VENTILATOR SO THAT DAMPERS TO POWER OPEN WHENEVER THE ERV IS RUNNING; PROVIDE ALL HARDWARE AND WIRING NECESSARY TO INTERLOCK

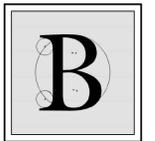
**KEY PLAN:**



**PROJECT:**  
**CORNWALL PUBLIC LIBRARY HVAC SYSTEM REPLACEMENT PROJECT**  
 395 HUDSON STREET  
 CORNWALL, NEW YORK 12518  
 SED #44-03-01-06-6-009-006

**SUB-CONSULTANT:**

**ENGINEER:**



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 MA - 53197 CT - 32283 FL - 85928

**MECHANICAL LEGENDS & NOTES**

DATE	DRN	CHK	DESCRIPTION
01.26.2023	BJK	BJK	CONSTRUCTION DWGS

REV.	DATE	DRN	CHK	DESCRIPTION

PROJECT NO. <b>2150</b>	SHEET NO. <b>M.101</b>
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**AIR-COOLED HEAT PUMP SCHEDULE**

EQUIPMENT TAG	MANUFACTURER (OR ACCEPT. EQUAL)	MODEL	INDOOR UNITS SERVED	COMPRESSOR TYPE	NOM. COOL CAPACITY (MBH)	NOM. HEAT CAPACITY (MBH)	TOTAL COOL CAPACITY (MBH) @65°F AMB.	TOTAL HEAT CAPACITY (MBH) @-10°F AMB.	OUTDOOR OPERATING TEMP. RANGE (°F)		AHRI EFFICIENCY RATINGS				REFRIGERANT	SOUND PRESSURE LEVEL COOLING/HEATING (dBA)	ELECTRICAL POWER REQUIREMENTS					WEIGHT (LB)	NOTES
									COOLING	HEATING	EER	IEER	COP47F	COP17F			VOLT.	PHASE	HZ.	MCA	MOCP		
HP-1	HITACHI	HVAHR348B32S	SEE INDOOR UNIT SCHEDULE	INVERTER SCROLL HERMETIC	384,000	432,000	340.6	216.9	23 TO 122	-13 TO 59	9.6	19.6	3.37	2.20	R410A	69	208	3	60	58 & 46 x2	70 & 60 x2	776 & 774 x2	PROVIDE W/ REQUIRED PIPING ACCESSORIES; INSTALL PER MANUFACTURER REQUIREMENTS

**INDOOR MINI-SPLIT UNIT SCHEDULE**

EQUIPMENT TAG	MANUFACTURER (OR ACCEPT. EQUAL)	MODEL	MINI-SPLIT UNIT TYPE	AREA OF BUILDING SERVED	AIRFLOW (CFM)	COOLING			HEATING			PAIRED OUTDOOR UNIT	EXTERNAL STATIC PRESSURE (IN. W.C.)	ELECTRICAL POWER REQUIREMENTS				WEIGHT (LB)	NOTES
						CAPACITY (MBH)	EDB (°F)	EWB (°F)	CAPACITY (MBH)	EDB (°F)	EWB (°F)			VOLT.	PHASE	HZ.	W		
FCU-1	HITACHI	HIDM008B23S	DUCTED MEDIUM STATIC	DIRECTOR'S OFFICE	250	7.3	80.0	67.0	4.6	70.0	60.0	HP-1	0.50	208	1	60	157	57	SEE VRF SYSTEM NOTES
FCU-2	HITACHI	HIDM012B23S	DUCTED MEDIUM STATIC	FILE ROOM	450	11.0	80.0	67.0	7.0	70.0	60.0	HP-1	0.50	208	1	60	157	60	SEE VRF SYSTEM NOTES
FCU-3	HITACHI	HIDM012B23S	DUCTED MEDIUM STATIC	STAFF LOUNGE	280	11.0	80.0	67.0	7.0	70.0	60.0	HP-1	0.50	208	1	60	157	60	SEE VRF SYSTEM NOTES
FCU-4	HITACHI	HICM008B23S	DUCTED MEDIUM STATIC	QUIET STUDY ROOM	250	7.3	80.0	67.0	4.6	70.0	60.0	HP-1	0.50	208	1	60	157	57	SEE VRF SYSTEM NOTES
FCU-5	HITACHI	HIDM018B23S	DUCTED MEDIUM STATIC	STAFF WORK ROOM	600	16.4	80.0	67.0	10.5	70.0	60.0	HP-1	0.50	208	1	60	190	79	SEE VRF SYSTEM NOTES
FCU-6	HITACHI	HIDM012B23S	DUCTED MEDIUM STATIC	FRIENDS ROOM	360	11.0	80.0	67.0	7.0	70.0	60.0	HP-1	0.50	208	1	60	157	60	SEE VRF SYSTEM NOTES
FCU-7	HITACHI	HIDH072B21S	DUCTED HIGH STATIC	MULTI PURPOSE ROOM/ARTS AND CRAFTS	1,925	65.7	80.0	67.0	41.9	70.0	60.0	HP-1	0.50	208	1	60	840	258	SEE VRF SYSTEM NOTES
FCU-8	HITACHI	HIDM027B23S	DUCTED MEDIUM STATIC	VESTIBULE/HALL	760	24.7	80.0	67.0	15.7	70.0	60.0	HP-1	0.50	208	1	60	190	79	SEE VRF SYSTEM NOTES
FCU-9	HITACHI	HIDH036B22S	DUCTED HIGH STATIC	CHILDREN ZONE 1	1,200	32.9	80.0	67.0	20.9	70.0	60.0	HP-1	0.50	208	1	60	259	106	SEE VRF SYSTEM NOTES
FCU-10	HITACHI	HIDH048B22S	DUCTED HIGH STATIC	CENTRAL ZONE 1	1,250	43.8	80.0	67.0	27.9	70.0	60.0	HP-1	0.50	208	1	60	259	106	SEE VRF SYSTEM NOTES
FCU-11	HITACHI	HIDH036B22S	DUCTED HIGH STATIC	CENTRAL ZONE 2	800	32.9	80.0	67.0	20.9	70.0	60.0	HP-1	0.50	208	1	60	259	106	SEE VRF SYSTEM NOTES
FCU-12	HITACHI	HIDH036B22S	DUCTED HIGH STATIC	ADULT ZONE 1	1,000	32.9	80.0	67.0	20.9	70.0	60.0	HP-1	0.50	208	1	60	259	106	SEE VRF SYSTEM NOTES
FCU-13	HITACHI	HIDH048B22S	DUCTED HIGH STATIC	ADULT ZONE 2	1,260	43.8	80.0	67.0	27.9	70.0	60.0	HP-1	0.50	208	1	60	259	106	SEE VRF SYSTEM NOTES

**VRF System Notes:**

- WIRED 7 DAY PROGRAMMABLE THERMOSTAT SHALL BE FURNISHED BY MECHANICAL CONTRACTOR FOR EACH INDOOR UNIT. THERMOSTATS SHIP LOOSE FOR FIELD INSTALLATION AND WIRING BY THE MECHANICAL CONTRACTOR.
- MECHANICAL CONTRACTOR TO PROVIDE CENTRAL CONTROLLER FOR LOCAL SET POINT CONTROL AND SYSTEM VIEWING. CONTROLLER TO BE INSTALLED AND WIRING BY MECHANICAL CONTRACTOR. 24V POWER BY ELECTRICAL CONTRACTOR.
- DISCONNECT SWITCH FOR CONDENSING UNITS AND INDOOR UNITS SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
- EXTERNAL SUPPORTS FOR INDOOR AND CONDENSING UNITS SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR.
- FILTER RACK AND 2" PLEATED MERV-13 FILTERS FOR DUCTED UNITS SHALL FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR. FILTER RACK SHALL BE GALVANIZED STEEL, FULLY INSULATED & FACTORY ASSEMBLED. TYPICAL OF FLT-H SERIES OR EQUAL
- CONDENSATE PUMPS SHIP FOR FIELD INSTALLATION BY MECHANICAL CONTRACTOR FOR WALL MOUNTED UNITS. DUCTED UNITS FURNISHED WITH FACTORY MOUNTED CONDENSATE PUMP. MECHANICAL CONTRACTOR TO PROVIDE CONDENSATE PIPING FROM ALL UNITS TO SANITARY DRAIN. FIELD VERIFY EXACT ROUTING AND TERMINATION POINT IN BUILDING.
- PROVIDE REFRIGERANT ISOLATION VALVES ON LIQUID AND GAS LINES AT EVERY FAN COIL UNIT.

**ENERGY RECOVERY VENTILATOR SCHEDULE**

EQUIPMENT TAG	MANUFACTURER (OR ACCEPT. EQUAL)	MODEL	FRESH AIR FLOW RATE (CFM)	EXHAUST AIR FLOW RATE (CFM)	ROOM EXH. AIR (°F)				OUTSIDE AIR (°F)				SUPPLY AIR (°F)				RECOVERY EFFECTIVENESS				ELECTRICAL DATA					WEIGHT (LB)	NOTES		
					WINTER		SUMMER		WINTER		SUMMER		WINTER		SUMMER		SENSIBLE		TOTAL		MOTOR		VOLT.	PHASE	HZ.			FLA	MOCP
					DB	WB	DB	WB	DB	WB	DB	WB	DB	WB	DB	WB	DB	WB	WINTER	SUMMER	WINTER	SUMMER							
ERV-1	RENEWAIRE	HE-4XJINV-S35VV--DANT--WL	2500	2500	70.0	51.4	75.0	62.5	4.6	2.6	90.2	72.9	51.8	40.0	79.2	67.6	72.1%	72.1%	70.2%	53.6%	2	2 HP	208	3	60	14.8	20	-	PROVIDE W/ MERV-13 FILTERS, ECM MOTORS, DISCONNECT SWITCH, BACKDRAFT DAMPERS, TIMER FOR OCCUPIED OPERATION & ELEC. DUCT HEATER

**AIR GRILLE/DIFFUSER SCHEDULE**

EQUIPMENT TAG	MANUFACTURER (OR ACCEPT. EQUAL)	MODEL	AIR DEVICE TYPE	AIRFLOW (CFM)		MAX AIR PRESS. DROP (IN. W.C.)	MOUNTING	PANEL/FRAME SIZE (IN.)	NECK SIZE (IN.)	MAX NC	DAMPER	FINISH	NOTES
				MIN.	MAX.								
D-1	KRUEGER	PLQ-6-F23-24x24-PR10-IB-44	SQUARE PLAQUE FACE DIFFUSER	50	175	0.10	LAY-IN	24"x24"	6"Ø	20	OBD	WHITE	-
D-2	KRUEGER	PLQ-8-F23-24x24-PR10-IB-44	SQUARE PLAQUE FACE DIFFUSER	176	300	0.10	LAY-IN	24"x24"	8"Ø	20	OBD	WHITE	-
D-3	KRUEGER	PLQ-10-F23-24x24-PR10-IB-44	SQUARE PLAQUE FACE DIFFUSER	301	435	0.10	LAY-IN	24"x24"	10"Ø	20	OBD	WHITE	-
R-1/EG-1	KRUEGER	S80P-20x20-F23-24x24-00-00-00-44	PERFORATED FACE RETURN GRILLE	0	1,600	0.10	LAY-IN	24"x24"	20"x20"	25	-	WHITE	FURNISH & INSTALL FULL-SIZE SHEET METAL PLENUM BOX ON REAR OF GRILLE. PAINT INSIDE FLAT BLACK

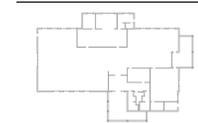
**VENTILATION SCHEDULE**

SYSTEM	SPACE SERVED	SPACE TYPE	SPACE AREA (SQ. FT.)	OCCUPANTS PER 1000 SQ. FT.	# OF OCCUPANTS	CFM PER PERSON	CFM PER SQ. FT.	CALCULATED VENTILATION RATE (CFM)	ZONE AIR DISTRIBUTION EFFECTIVENESS	ADJUSTED VENTILATION RATE (CFM)	PROVIDED VENTILATION RATE (CFM)
FCU-1	DIRECTOR'S OFFICE	OFFICE	180	5	1	5	0.06	16	0.8	20	20
FCU-2	FILE ROOM	OFFICE	300	5	2	5	0.06	28	0.8	35	35
FCU-3	STAFF LOUNGE	BREAK ROOM	181	50	1	5	0.12	16	0.8	20	20
FCU-4	QUIET STUDY ROOM	CONFERENCE	206	50	11	5	0.06	67	0.8	84	85
FCU-5	STAFF WORK ROOM	OFFICE	644	5	4	5	0.06	59	0.8	73	75
FCU-6	FRIENDS ROOM	LIBRARY	301	50	4	5	0.06	56	0.8	70	70
FCU-7	MULTI PURPOSE ROOM	MULTI USE ASSEMBLY	881	100	89	7.5	0.06	720	0.8	900	900
	ARTS AND CRAFTS	STORAGE	110	0	0	0	0.12	13	0.8	17	20
FCU-8	VESTIBULE/HALL	CORRIDOR	462	0	0	0	0.06	28	0.8	35	35
FCU-9	CHILDREN ZONE 1	LIBRARY	898	10	9	5	0.12	153	0.8	191	200
FCU-10	CENTRAL ZONE 1	LIBRARY	1,277	10	13	5	0.12	218	0.8	273	275
FCU-11	CENTRAL ZONE 2	LIBRARY	1,027	10	11	5	0.12	178	0.8	223	225
FCU-12	ADULT ZONE 1	LIBRARY	840	10	9	5	0.12	146	0.8	182	185
FCU-13	ADULT ZONE 2	LIBRARY	1,637	10	17	5	0.12	281	0.8	352	355

**KEY PLAN:**

**'CORNWALL PUBLIC LIBRARY'**

HUDSON ST.

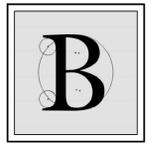


**PROJECT:**

**CORNWALL PUBLIC LIBRARY HVAC SYSTEM REPLACEMENT PROJECT**  
 395 HUDSON STREET  
 CORNWALL, NEW YORK 12518  
 SED #:44-03-01-06-6-009-006

**SUB-CONSULTANT:**

**ENGINEER:**



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MATTHEW G. BLAKE, P.E., LEED AP  
 NY - 89039 NJ - GE050037 PA - PE079303  
 MA - 53197 CT - 32283 FL - 85928

**MECHANICAL SCHEDULES**

DATE	DRN	CHK	DESCRIPTION
01.26.2023	BJK	BJK	CONSTRUCTION DWGS

REV.	DATE	DRN	CHK	DESCRIPTION

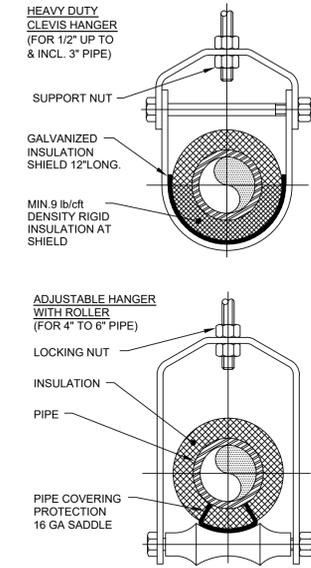
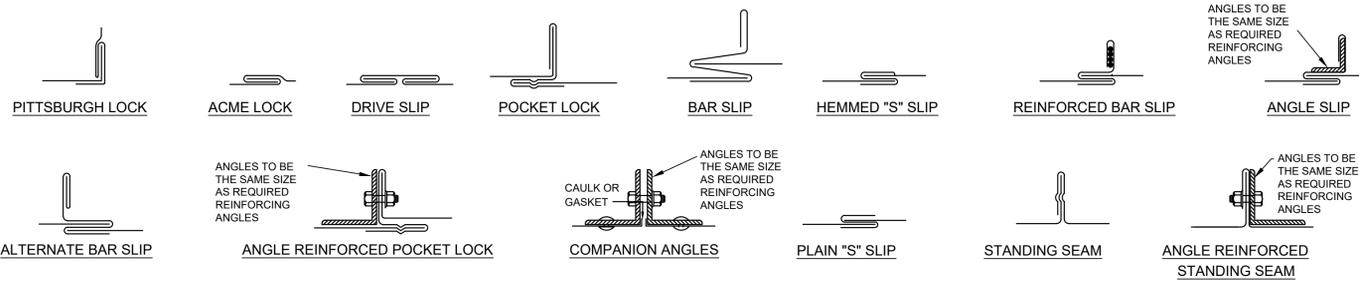
PROJECT NO. **2150** SHEET NO. **M.102**

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**THICKNESS & REINFORCING SCHEDULE - \* LOW PRESSURE DUCTWORK**

\* NOTE: LOW PRESSURE DUCTWORK SHALL BE DUCTWORK IN WHICH THE PRESSURE DOES NOT EXCEED 2" WATER GAUGE.

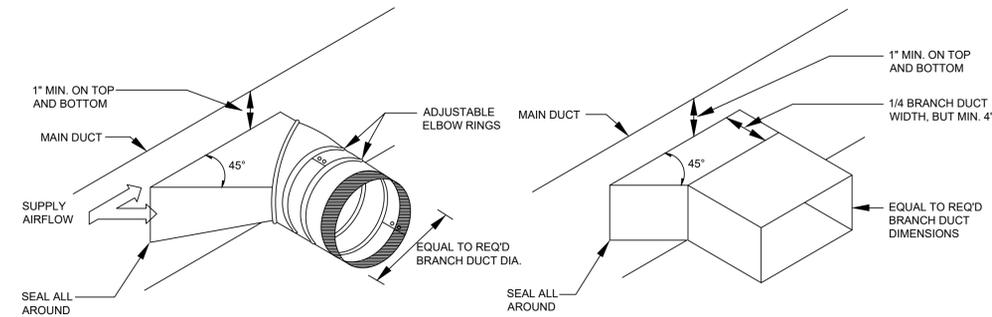
GREATEST DUCT DIMENSION	STEEL DUCTS U.S. STANDARD GAUGE	ALUMINUM DUCTS B & S GAUGE	LONGITUDINAL SEAM	TRANSVERSE JOINT SMALLEST DIMENSION	TRANSVERSE JOINT GREATEST DIMENSION	REINFORCING (ALL DUCTS 18" THRU 54" SHALL BE CROSSBROKEN)
12" OR LESS	26	24(0.020")	PITTSBURGH OR ACME LOCK	DRIVE SLIP OR POCKET LOCK OR BAR SLIP	PLAIN "S" SLIP OR POCKET LOCK OR BAR SLIP	NONE REQUIRED
13" THRU 18"	24	22(0.025")	PITTSBURGH OR ACME LOCK	DRIVE SLIP OR POCKET LOCK OR BAR SLIP	PLAIN "S" SLIP OR POCKET LOCK OR BAR SLIP	NONE REQUIRED
19" THRU 30"	24	22(0.025")	PITTSBURGH OR ACME LOCK	HEMMED "S" SLIP OR BAR SLIP OR DRIVE SLIP OR 1" POCKET LOCK	HEMMED "S" SLIP OR BAR SLIP OR 1" POCKET LOCK	IF TRANSVERSE JOINTS ARE LOCATED 4'-0" OR LESS ON CENTER NO REINFORCING IF ON 8'-0" CENTERS REINFORCE WITH 1"x1"x1/8" ANGLES AT 4 FT. O.C. FASTENED ON 8" CENTERS
31" THRU 42"	22	20(0.032")	PITTSBURGH OR ACME LOCK	DRIVE SLIP 18" OR LESS BAR SLIP REINFORCED BAR SLIP OR POCKET LOCK	BAR SLIP OR REINFORCED BAR SLIP OR POCKET LOCK	IF TRANSVERSE JOINTS ARE LOCATED 4'-0" OR LESS ON CENTER NO REINFORCING IF ON 8'-0" CENTERS REINFORCE WITH 1"x1"x1/8" ANGLES AT 4 FT. O.C. FASTENED ON 8" CENTERS
43" THRU 54"	22	20(0.032")	PITTSBURGH LOCK	1 1/4" BAR SLIP, OR REINFORCED BAR SLIP, OR 1 1/2" POCKET LOCK	1 1/4" BAR SLIP, OR REINFORCED BAR SLIP, OR 1 1/2" POCKET LOCK	IF TRANSVERSE JOINTS ARE LOCATED 4'-0" OR LESS ON CENTER NO REINFORCING IF ON 8'-0" CENTERS REINFORCE WITH 1"x1"x1/8" ANGLES AT 4 FT. O.C. FASTENED ON 8" CENTERS
55" THRU 60"	20	18(0.040")	PITTSBURGH LOCK	1 1/4" BAR SLIP, OR REINFORCED BAR SLIP, OR 1 1/2" POCKET LOCK	1 1/4" BAR SLIP, OR REINFORCED BAR SLIP, OR 1 1/2" POCKET LOCK	IF TRANSVERSE JOINTS ARE LOCATED 4'-0" OR LESS ON CENTER NO REINFORCING IF ON 8'-0" CENTERS REINFORCE WITH 1"x1"x1/8" ANGLES AT 4 FT. O.C. FASTENED ON 8" CENTERS
61" THRU 84"	20	18(0.040")	PITTSBURGH LOCK	REINFORCED BAR SLIP, OR ANGLE SLIP, ALTERNATE BAR SLIP, OR ANGLE REINFORCED POCKET LOCK	REINFORCED BAR SLIP, OR ANGLE SLIP, ALTERNATE BAR SLIP, OR ANGLE REINFORCED POCKET LOCK	REINFORCE ALL SIDES OVER 60" WITH 1 1/2"x1 1/2"x1/8" ANGLES ON 2'-0" CENTERS. SIDES UNDER 60" NEED NO REINFORCING IF JOINTS ARE ON 4'-0" CENTERS. IF JOINTS ARE ON 8'-0" CENTERS REINFORCE WITH 1 1/2"x1 1/2"x1/8" ANGLES ON 4'-0" CENTERS.
85" THRU 96"	18	16(0.051") (LONGITUDINAL SEAM MAY BE STANDING SEAM)	PITTSBURGH LOCK	1 1/2" COMPANION ANGLES, OR ANGLE REINFORCED POCKET LOCK, OR 1 1/2" ANGLE SLIP OR REINFORCED BAR SLIP	1 1/2" COMPANION ANGLES, OR ANGLE REINFORCED POCKET LOCK, OR 1 1/2" ANGLE SLIP OR REINFORCED BAR SLIP	REINFORCE ALL SIDES OVER 84" WITH 1 1/2"x1 1/2"x3/16" ANGLES ON 2'-0" CENTERS. SIDES 61" THRU 84" REINFORCE WITH 1 1/2"x1 1/2"x1/8" ANGLES ON 2'-0" CENTERS. SIDES 60" OR LESS NEED NO REINFORCING IF JOINTS ARE ON 4'-0" CENTERS. IF JOINTS ARE ON 8'-0" CENTERS REINFORCE WITH 1 1/2"x1 1/2"x1/8" ANGLES ON 4'-0" CENTERS.
OVER 96"	18	16(0.051") (LONGITUDINAL SEAM MAY BE STANDING SEAM)	PITTSBURGH LOCK	2" COMPANION ANGLE, OR 2"x2"x1/4" ANGLE SLIP, OR 2"x2"x1/4" ANGLE REINFORCED POCKET LOCK OR REINFORCED BAR SLIP	2" COMPANION ANGLE, OR 2"x2"x1/4" ANGLE SLIP, OR 2"x2"x1/4" ANGLE REINFORCED POCKET LOCK OR REINFORCED BAR SLIP	REINFORCE ALL SIDES OVER 96" WITH 2"x2"x1/4" ANGLES ON 2'-0" CENTERS. REINFORCE ALL SIDES 85" THRU 96" WITH 1 1/2"x1 1/2"x3/16" ANGLES ON 2'-0" CENTERS. REINFORCE ALL SIDES 61" THRU 84" WITH 1 1/2"x1 1/2"x1/8" ANGLES ON 2'-0" CENTERS. REINFORCE ALL SIDES UNDER 60" WITH 1 1/2"x1 1/2"x1/8" ANGLES IF JOINTS ARE 8'-0" ON CENTER. NO REINFORCING IF JOINTS ARE 4'-0" ON CENTER.



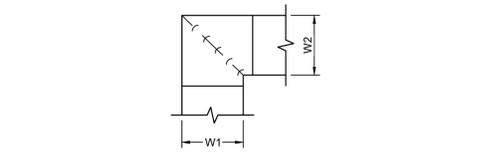
NOTES:  
 1. PIPE 8" AND LARGER SHALL HAVE ROLLER SUPPORTED WITH DUAL RODS.  
 2. FOR CHW SERVICE OVER 3" REPLACE SADDLE WITH 12" LONG 14 GA SHIELD WITH RIGID INSULATION BETWEEN PIPE AND SHIELD.

PIPE Ø (IN.)	MAX. SPACING BETWEEN HANGERS (FT.)			MIN. ROD SIZE (IN.)
	STEEL PIPE	COPPER PIPE	CPVC	
1/2 THRU 1	7	5	5	3/8
1-1/2 THRU 2	9	8	6	3/8
2-1/2	11	9	7.5	1/2
3	12	10	7.5	1/2
4	14	12	8.5	5/8
6	17	14	9	3/4
8	19	16	10	7/8
10	22	18	10.5	7/8

1 Pipe Hanger Support  
M.103 N.T.S.

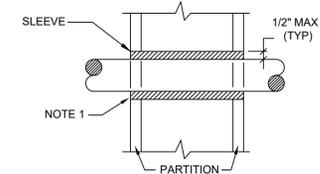


4 Typical Branch Take-Off Fitting Detail  
M.103 N.T.S.



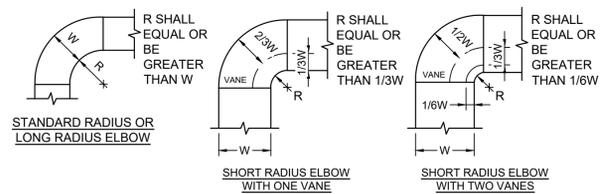
NOTE:  
 1. ALL VANED ELBOWS SHALL BE CONSTRUCTED AND INSTALLED AS DETAILED BY SMACNA.  
 2. WHEN W1 IS NOT EQUAL TO W2, VANE SHALL BE SINGLE VANE TYPE REGARDLESS OF W DIMENSION.  
 3. ALL SINGLE VANES SHALL HAVE A 2" RADIUS, 1-1/2" MAXIMUM SPACE BETWEEN VANES AND A 3/4" TRAILING EDGE.  
 4. WHEN W EQUALS W2 AND W1 IS GREATER THAN 20" VANES SHALL BE DOUBLE VANE TYPE.

2 Ductwork Squared Elbow Detail  
M.103 N.T.S.



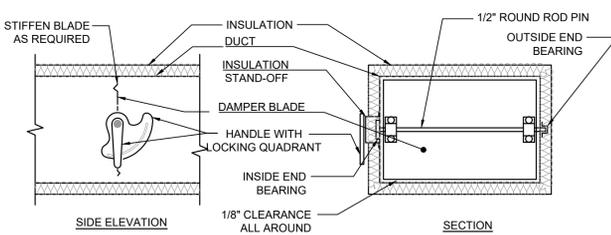
NOTES:  
 1. AT FIRE RATED PARTITIONS, ADD ADDITIONAL LAYER OF FIRE SAFING INSULATION AROUND PENETRATION SO AS TO FILL CAVITY.  
 2. DUCT AND PIPE PENETRATIONS THRU CORRIDOR WALLS ABOVE THE CEILING ARE TO BE FIRE STOPPED AROUND THE PENETRATION.

3 Pipe Penetrations Detail  
M.103 N.T.S.



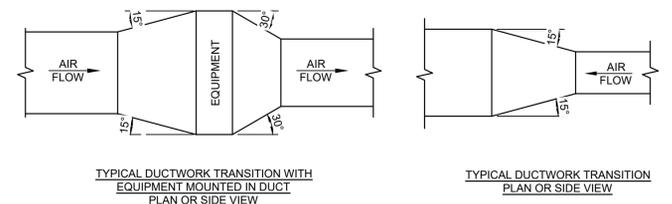
NOTE:  
 1. THE INTERIOR SURFACE OF ALL RADIUS ELBOWS SHALL BE MADE ROUND.  
 2. ALL STANDARD RADIUS ELBOWS CAN BE SUBSTITUTED WITH SHORT RADIUS ELBOWS. ALL SHORT RADIUS ELBOWS SHALL HAVE VANES. VANES SHALL BE CONSTRUCTED, SUPPORTED AND FASTENED AS RECOMMENDED BY SMACNA.

5 Ductwork Radius Elbow Detail  
M.103 N.T.S.



NOTE:  
 1. DELETE INSULATION STAND-OFF ON DUCTWORK WITHOUT EXTERIOR INSULATION.  
 2. DETAIL SHOWS SINGLE-BLADE DAMPER. DAMPER INSTALLATION SHALL BE SIMILAR FOR MULTI-BLADE DAMPERS & ROUND DAMPERS.

6 Ductwork Volume Damper Detail  
M.103 N.T.S.



NOTE:  
 UNLESS OTHERWISE INDICATED ON PLANS, MAXIMUM ANGLES SHOWN SHALL APPLY.

7 Ductwork Transition Detail  
M.103 N.T.S.

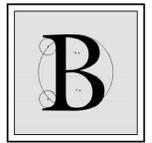
KEY PLAN:  
 'CORNWALL PUBLIC LIBRARY'  
 HUDSON ST.  

 TRUE NORTH  
 PROJECT NORTH

PROJECT:  
 CORNWALL PUBLIC LIBRARY  
 HVAC SYSTEM REPLACEMENT PROJECT  
 395 HUDSON STREET  
 CORNWALL, NEW YORK 12518  
 SED #44-03-01-06-6-009-006

SUB-CONSULTANT:

ENGINEER:



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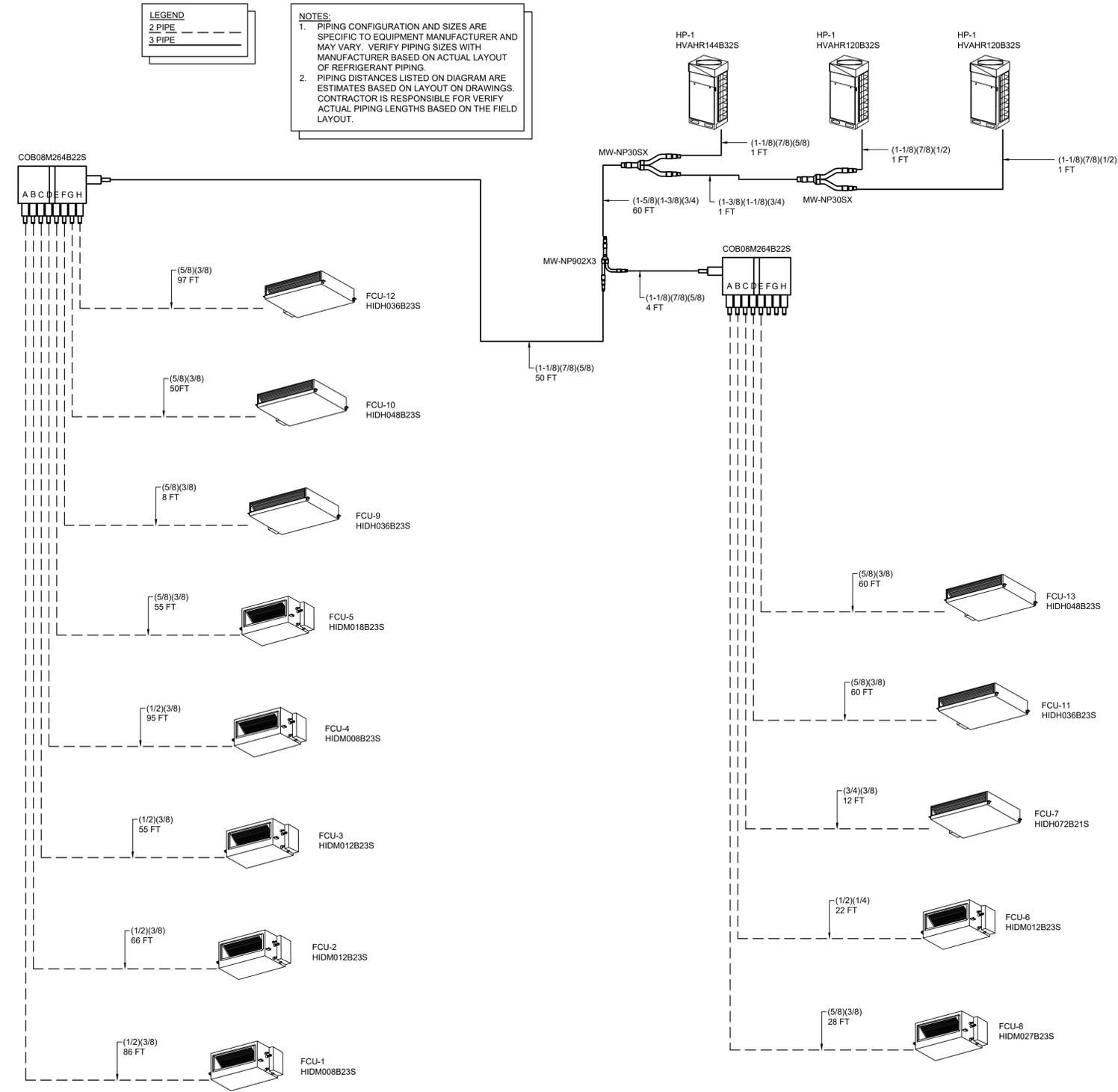
MATTHEW G. BLAKE, P.E., LEED AP  
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 MA - 53197 CT - 32283 FL - 85928

**MECHANICAL SCHEDULE & DETAILS**

DATE	DRN	CHK	DESCRIPTION
01.26.2023	BJK	BJK	CONSTRUCTION DWGS

REV.	DATE	DRN	CHK	DESCRIPTION

PROJECT NO. **2150** SHEET NO. **M.103**



**LEGEND**  
 2 PIPE - - - - -  
 3 PIPE - - - - -

**NOTES:**  
 1. PIPING CONFIGURATION AND SIZES ARE SPECIFIC TO EQUIPMENT MANUFACTURER AND MAY VARY. VERIFY PIPING SIZES WITH MANUFACTURER BASED ON ACTUAL LAYOUT OF REFRIGERANT PIPING.  
 2. PIPING DISTANCES LISTED ON DIAGRAM ARE ESTIMATES BASED ON LAYOUT ON DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR VERIFY ACTUAL PIPING LENGTHS BASED ON THE FIELD LAYOUT.

1 VRF System Piping Diagram  
 M.104 N.T.S.

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 HUDSON ST.

TRUE NORTH  
 PROJECT NORTH

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**VRF SYSTEM PIPING DIAGRAM**

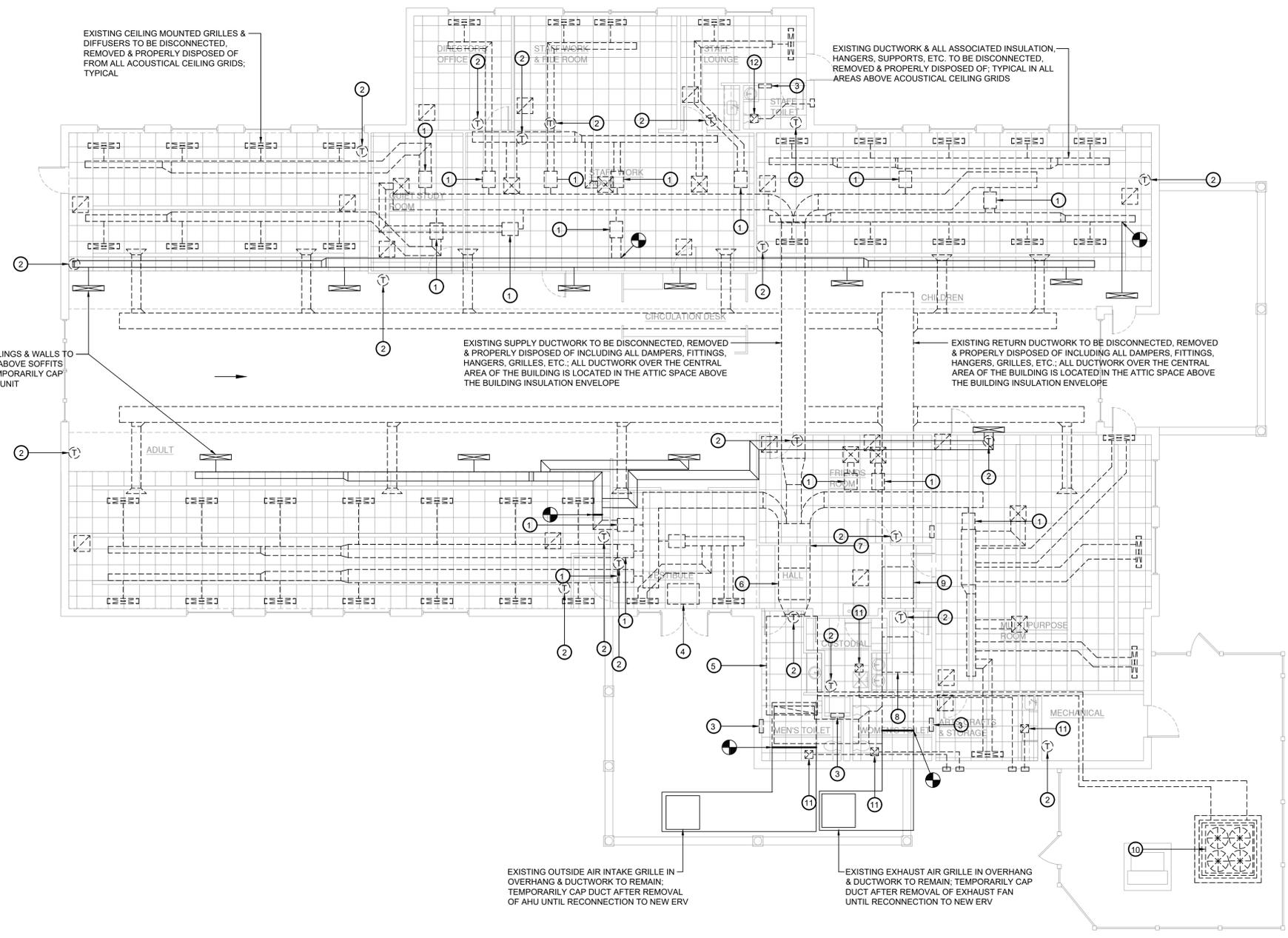
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01.26.2023	BJK	BJK	CONSTRUCTION DWGS

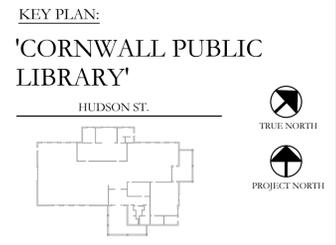
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- Key Notes:**
- 1 EXISTING VAV BOX TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ALL ASSOCIATED DUCTWORK, PIPING, VALVES, HANGERS, CONTROLS, ETC.
  - 2 EXISTING THERMOSTAT & ASSOCIATED CONTROL WIRING TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ALL PIPING, CONTROLS, ETC.
  - 3 EXISTING WALL MOUNTED HOT WATER CABINET HEATER TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ALL PIPING, CONTROLS, ETC.
  - 4 EXISTING WALL MOUNTED HOT WATER CABINET HEATER TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ALL PIPING, CONTROLS, ETC.
  - 5 EXISTING AIR HANDLING UNIT TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ALL ASSOCIATED DUCTWORK, PIPING, VALVES, HANGERS, CONTROLS, ETC.
  - 6 EXISTING SUPPLY AIR DUCT SILENCER TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ANY ASSOCIATED INSULATION, HANGERS, SUPPORTS, ETC.
  - 7 EXISTING GAS FIRED HUMIDIFIER TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ANY ASSOCIATED PIPING, VENTING, DUCTWORK, HANGERS, SUPPORTS, ETC.
  - 8 EXISTING EXHAUST FAN TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ALL ASSOCIATED DUCTWORK, HANGERS, CONTROLS, ETC.
  - 9 EXISTING RETURN AIR DUCT SILENCER TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ANY ASSOCIATED INSULATION, HANGERS, SUPPORTS, ETC.
  - 10 EXISTING CONDENSING UNIT TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ALL ASSOCIATED PIPING, CONTROLS, ETC. RECOVER & DISPOSE OF REFRIGERANT PER EPA GUIDELINES
  - 11 EXISTING EXHAUST FAN TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ANY ASSOCIATED DUCTWORK, HANGERS, SUPPORTS, ETC.
  - 12 EXISTING EXHAUST FAN TO BE REMAIN; REMOVE AND STORE OR SECURE FAN AS NECESSARY TO REPLACE CEILING; REINSTALL AS NEEDED IN NEW CEILING SYSTEM



**PROJECT:**  
**CORNWALL PUBLIC LIBRARY**  
**HVAC SYSTEM**  
**REPLACEMENT PROJECT**  
 395 HUDSON STREET  
 CORNWALL, NEW YORK 12518  
 SED #:44-03-01-06-6-009-006

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**MECHANICAL DEMOLITION PLAN**

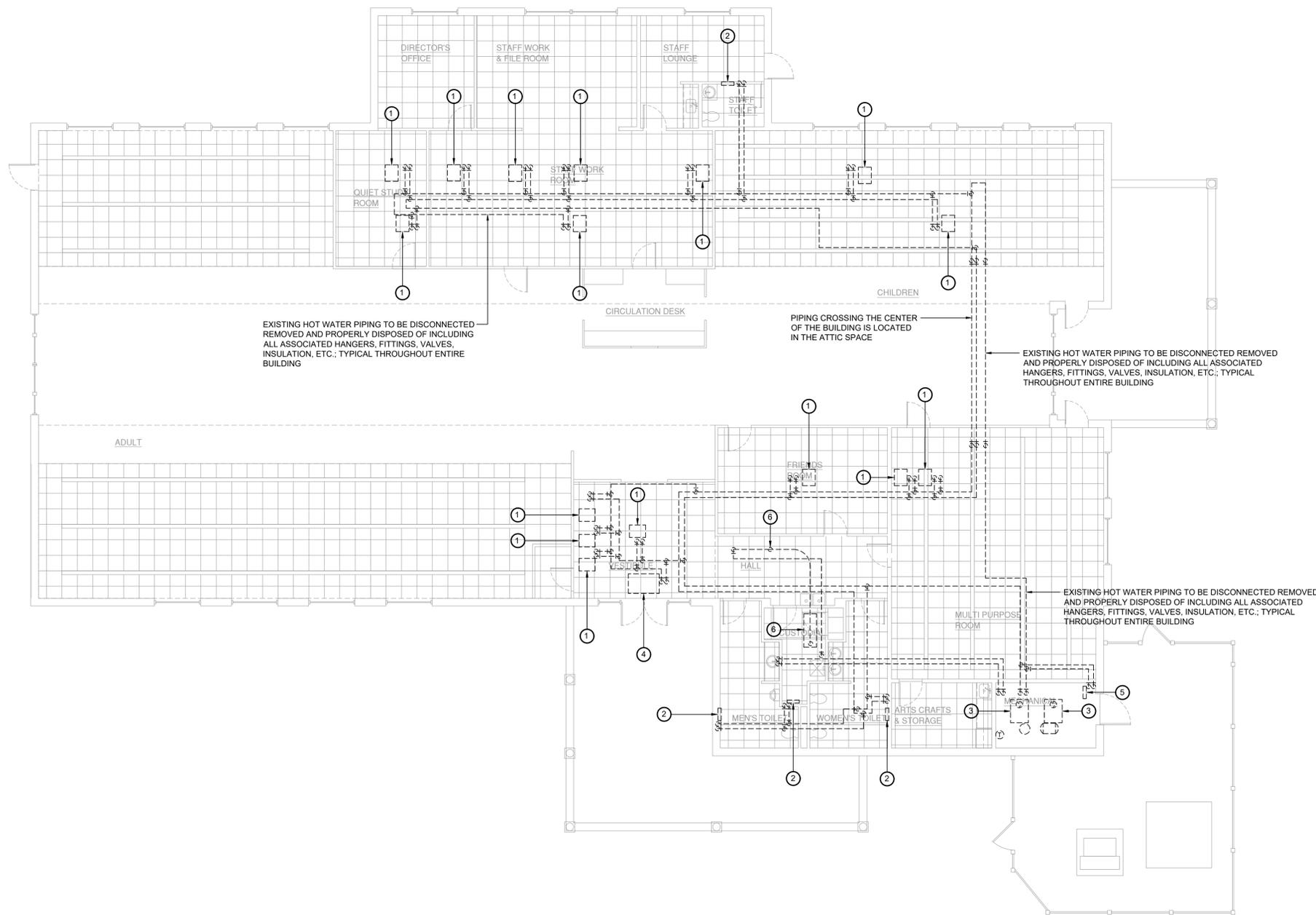
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01.26.2023	BJK	BJK	CONSTRUCTION DWGS

REV.	DATE:	DRN:	CHK:	DESCRIPTION:

PROJECT NO. **2150** SHEET NO. **MD.201**

**1 Mechanical Demolition Plan**  
 MD.201 Scale: 1/8" = 1'-0"



1 Hydronic Demolition Plan  
 MD.202 Scale: 1/8" = 1'-0"

**Key Notes:**

- ① EXISTING VAV BOX TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ALL ASSOCIATED DUCTWORK, PIPING, VALVES, HANGERS, CONTROLS, ETC.
- ② EXISTING WALL MOUNTED HOT WATER CABINET HEATER TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ALL PIPING, CONTROLS, ETC.
- ③ EXISTING GAS FIRED HOT WATER BOILER TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ALL VENTS, PUMPS, PIPING, AIR SEPARATOR, EXPANSION TANK, ACCESSORIES, CONTROLS, ETC.
- ④ EXISTING CEILING MOUNTED HOT WATER CABINET HEATER TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ALL PIPING, CONTROLS, ETC.
- ⑤ EXISTING HOT WATER UNIT HEATER TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ALL PIPING, CONTROLS, ETC.
- ⑥ EXISTING GAS FIRED HUMIDIFIER TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ANY ASSOCIATED VENTING, PIPING, DUCTWORK, HANGERS, SUPPORTS, ETC.

**KEY PLAN:**

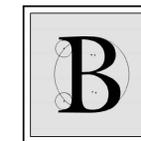
'CORNWALL PUBLIC LIBRARY'



**PROJECT:**  
 CORNWALL PUBLIC LIBRARY  
 HVAC SYSTEM REPLACEMENT PROJECT  
 395 HUDSON STREET  
 CORNWALL, NEW YORK 12518  
 SED #:44-03-01-06-6-009-006

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**HYDRONIC DEMOLITION PLAN**

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REV.	DATE	DRN	CHK	DESCRIPTION

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**Key Notes:**

- ① BALANCE OUTSIDE AIR TO 20 CFM
- ② BALANCE OUTSIDE AIR TO 35 CFM
- ③ BALANCE OUTSIDE AIR TO 20 CFM
- ④ BALANCE OUTSIDE AIR TO 85 CFM
- ⑤ BALANCE OUTSIDE AIR TO 75 CFM
- ⑥ BALANCE OUTSIDE AIR TO 70 CFM
- ⑦ BALANCE OUTSIDE AIR TO 920 CFM
- ⑧ BALANCE OUTSIDE AIR TO 35 CFM
- ⑨ BALANCE OUTSIDE AIR TO 200 CFM
- ⑩ BALANCE OUTSIDE AIR TO 275 CFM
- ⑪ BALANCE OUTSIDE AIR TO 225 CFM
- ⑫ BALANCE OUTSIDE AIR TO 185 CFM
- ⑬ BALANCE OUTSIDE AIR TO 355 CFM

**KEY PLAN:**

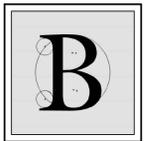
'CORNWALL PUBLIC LIBRARY'



**PROJECT:**  
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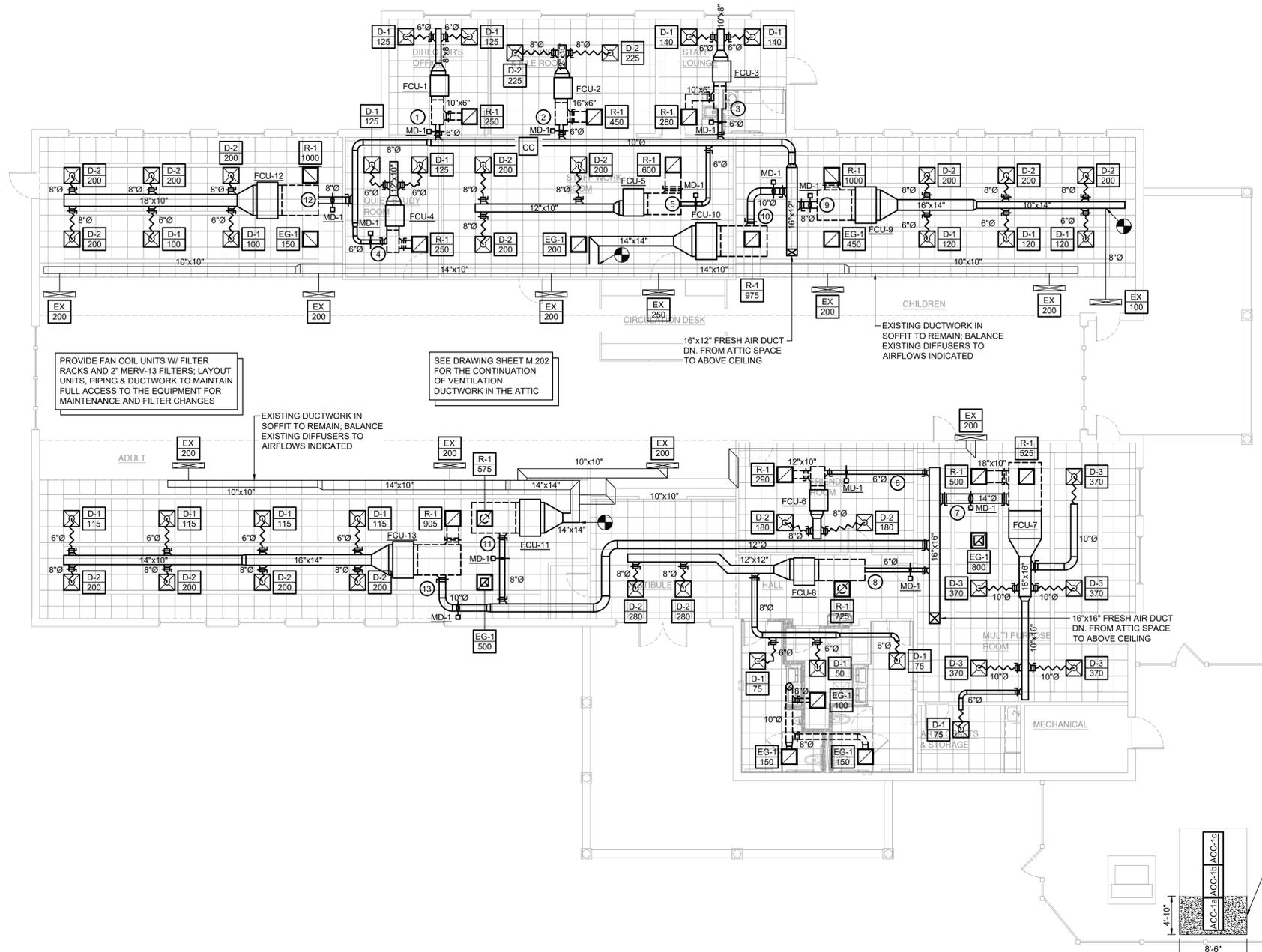
**MECHANICAL DUCTWORK PLAN**

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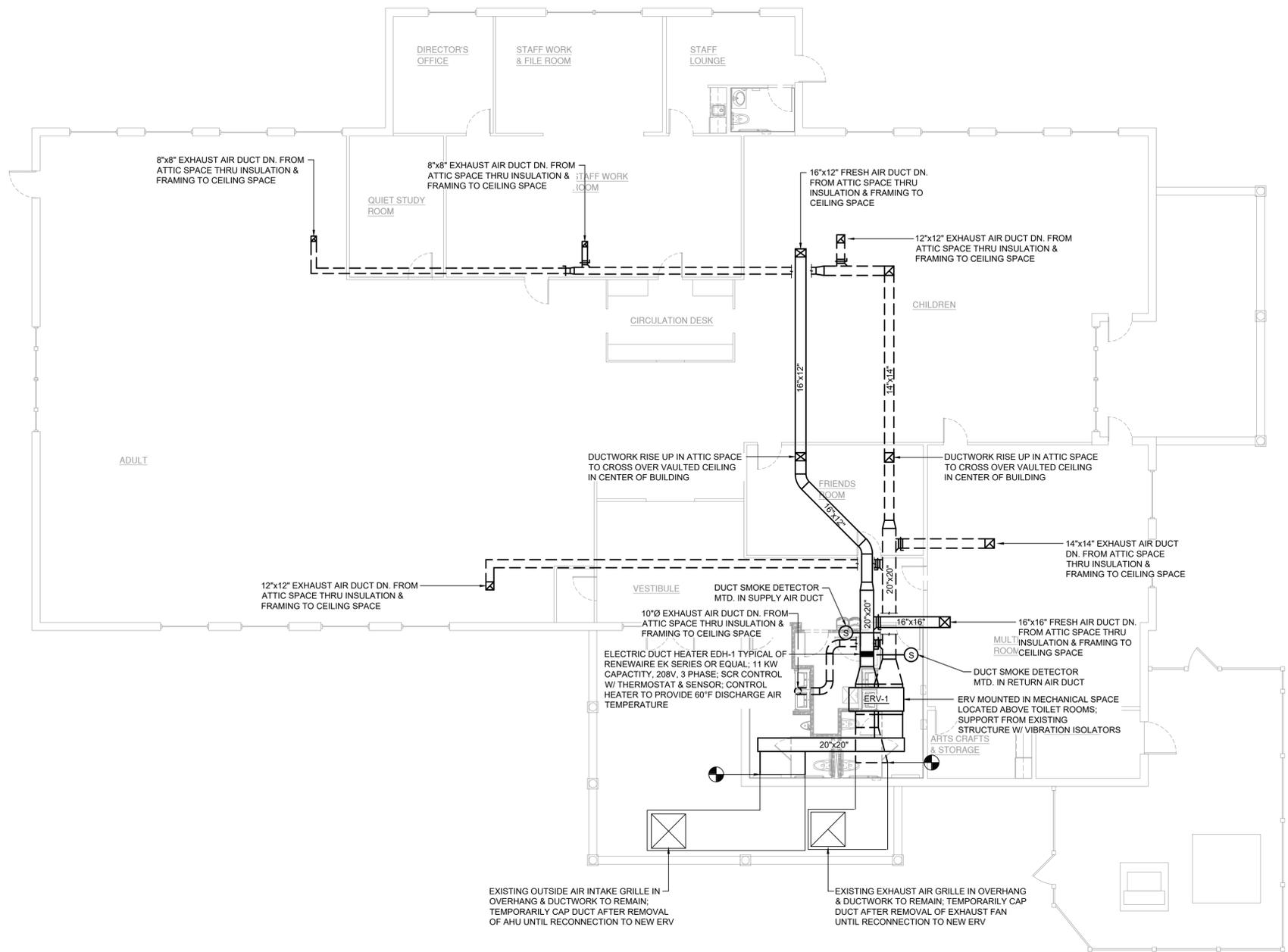
REV.	DATE	DRN	CHK	DESCRIPTION

PROJECT NO.	SHEET NO.
<b>2150</b>	<b>M.201</b>

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1 Mechanical Ductwork Plan  
 M.201 Scale: 1/8" = 1'-0"



1 Attic Mechanical Plan  
 M.202 Scale: 1/8" = 1'-0"

KEY PLAN:  
 'CORNWALL PUBLIC LIBRARY'  
 HUDSON ST.

PROJECT:  
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ATTIC MECHANICAL PLAN

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REV.	DATE	DRN	CHK	DESCRIPTION

PROJECT NO. **2150** SHEET NO. **M.202**

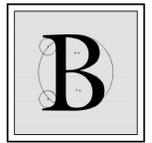
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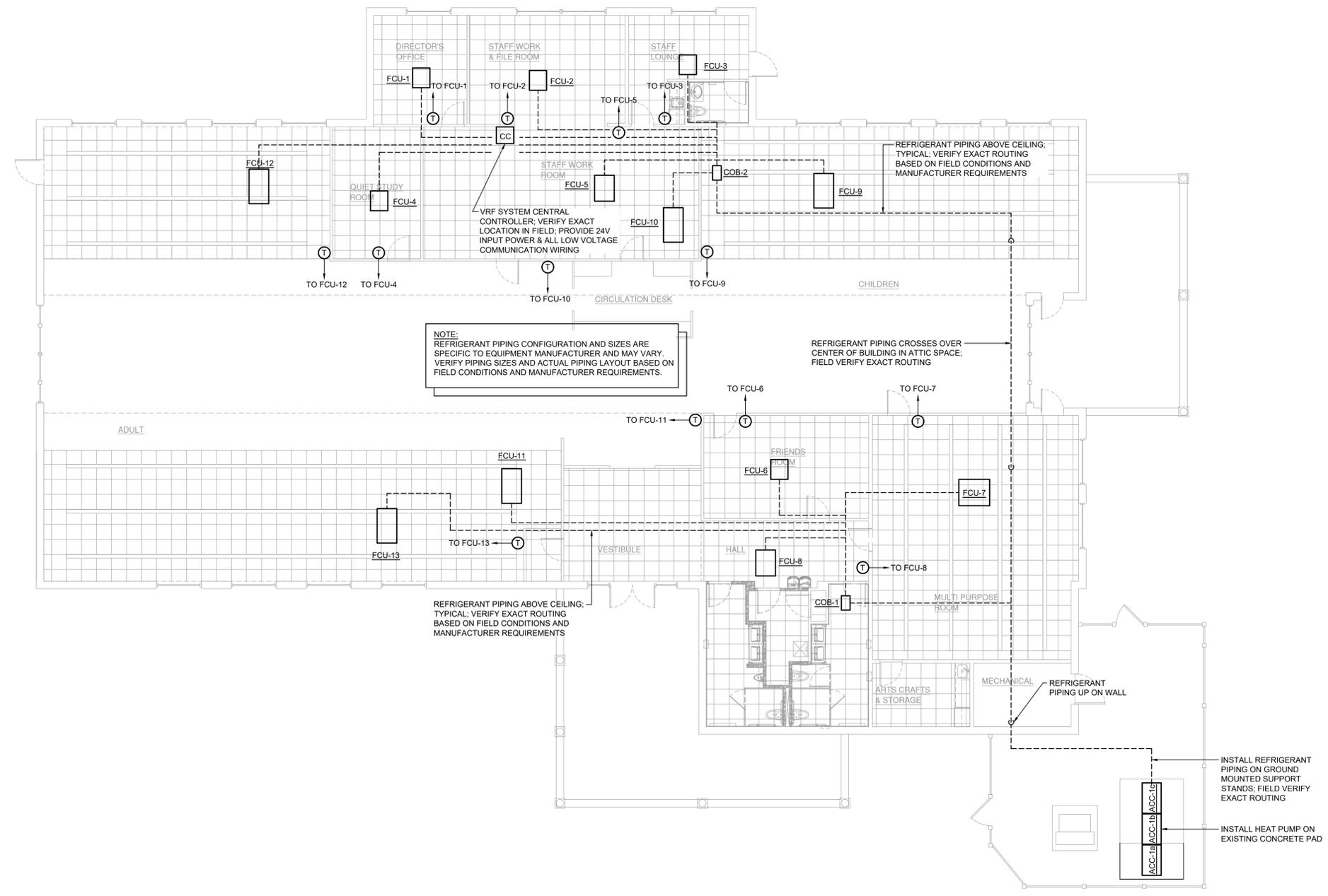
**MECHANICAL PIPING PLAN**

DATE	DRN	CHK	DESCRIPTION
01.26.2023	BJK	BJK	CONSTRUCTION DWGS

REV.	DATE	DRN	CHK	DESCRIPTION

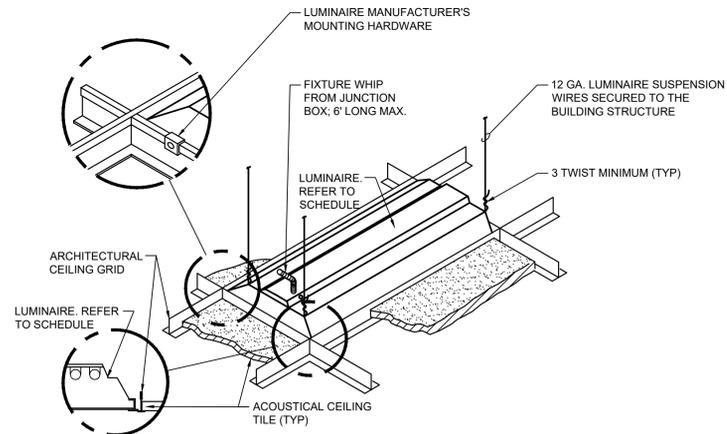
PROJECT NO. <b>2150</b>	SHEET NO. <b>M.301</b>
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1 Mechanical Piping Plan  
 M.301 Scale: 1/8" = 1'-0"

LIGHTING FIXTURE SCHEDULE										
TAG	SYMBOL	MANUFACTURER & MODEL	TYPE	VOLTAGE	# OF LAMPS	LAMP WATTS	FIXTURE WATTS	MOUNTING	SIZE	NOTES
-	⊗	HE WILLIAMS LED EXIT SIGN EXIT-R-EM-WHT-D	LED	120	1	3.8	3.8	UNIVERSAL	-	90-MINUTE BATTERY BACKUP



**GENERAL NOTE:**

- INSTALL IN ACCORDANCE WITH MANUFACTURER'S MOUNTING INSTRUCTIONS AND USING THE RECOMMENDED MOUNTING HARDWARE.

**1** Luminaire Mounting Detail - Lay-In Ceiling  
E.101 Scale: None

**ELECTRICAL LEGEND:**

- ⊗ MOTOR
- ⊕ EARTH GROUND
- JUNCTION BOX
- PB PULL BOX
- FUSE WITH RATING
- ⌋ MOLDED CASE CIRCUIT BREAKER
- ⌋ DISCONNECT SWITCH, FUSED
- ⌋ DISCONNECT SWITCH, UNFUSED
- ⌋ STARTER, COMBINATION WITH DISCONNECT SWITCH
- ⌋ STARTER OR MOTOR CONTROLLER
- ⊕ METER
- ⊕ 20A 120V SINGLE RECEPTACLE
- ⊕ 20A 120V DUPLEX RECEPTACLE
- ⊕ 20A 120V DUPLEX RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTER
- ⊕ 20A 120V QUADRAPLEX RECEPTACLE
- ⊕ RECEPTACLE, SPECIAL PURPOSE
- ⊕ USB 20A 120V USB CHARGER RECEPTACLE TYPICAL OF HUBBELL USB20X OR ACCEPTABLE EQUAL
- F FLOOR BOX WITH STAINLESS COVER TYPICAL OF LEW ELECTRIC #08-1-SP OR ACCEPTABLE EQUAL; PUSH BUTTON OPEN; FULLY IP66 RATED WATER PROOF (WHEN IN CLOSED POSITION); W/ 20A 125V E60120 GFCI RECEPTACLE (UNLESS OTHERWISE NOTED)
- W WALL PHONE OUTLET MTD. 48" A.F.F.; 3/4" EMT CDT. IN WALL TO ABOVE CEILING W/ PULL CORD
- ◇ WALL BOX FOR TELEVISION CONNECTION; 1-1/4" EMT CDT. IN WALL TO ABOVE CEILING W/ PULL CORD
- ▽ TELEPHONE/DATA COMMUNICATION BOX W/ (2) 3/4" EMT CDT. IN WALL TO ABOVE CEILING W/ PULL CORD; NO FACE PLATE
- ⌋ BRANCH CIRCUIT HOMERUN; LINES INDICATE NUMBER OF CIRCUITS, NEUTRAL, AND SWITCH LEG CONDUCTORS; ONE SEPARATE GROUNDING CONDUCTOR SHALL BE PROVIDED FOR EACH HOMERUN; NOT SHOWN
- \$2 SWITCH  
BLANK = SINGLE POLE 2 = DOUBLE POLE  
3 = THREE-WAY 4 = FOUR-WAY  
D = DIMMER K = KEY OPERATED  
P = WITH PILOT LIGHT PB = PUSH BUTTON  
T = TIMER OPERATED WP = WEATHER PROOF  
X = EXPLOSION PROOF OC = OCCUPANCY SENSOR
- ⌋ HORN/STROBE DEVICE, ONE ASSEMBLY; MTD. 80" A.F.F. UNLESS OTHERWISE NOTED; 15 CANDELA UNLESS OTHERWISE NOTED
- ⌋ STROBE DEVICE; MTD. 80" A.F.F. UNLESS OTHERWISE NOTED; 15 CANDELA UNLESS OTHERWISE NOTED
- ◇ MANUAL PULL STATION; MTD. 48" A.F.F.
- ◇ WATER FLOW SWITCH
- ◇ VALVE TAMPER SWITCH
- ⊗ DETECTOR; LETTER INDICATES AS FOLLOWS:  
BLANK = SMOKE DETECTOR  
P = PHOTOELECTRIC SMOKE  
M = MULTIPLE STATION SMOKE ALARM  
D = PHOTOELECTRIC DUCT SMOKE DETECTOR
- ⊕ R RATE OF RISE HEAT DETECTOR, 135°F
- ⊕ C CARBON MONOXIDE DETECTOR; MTD. 60" A.F.F.
- FACP ADDRESSABLE FIRE ALARM CONTROL PANEL
- FAPP FIRE ALARM ANNUNCIATOR PANEL
- OS DUAL TECHNOLOGY OCCUPANCY SENSOR

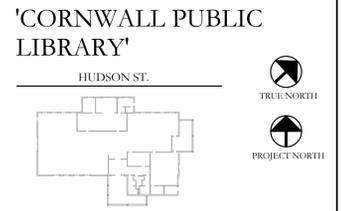
**ELECTRICAL NOTES:**

- ALL MATERIALS AND EQUIPMENT ARE TO BE NEW, UNUSED, AND FREE FROM DEFECTS OF ANY KIND. THE BASIS OF QUALITY SHALL BE THE LATEST REVISION OF ASTM, ANSI, OR OTHER ACCEPTABLE STANDARDS.
- THESE DRAWINGS ARE DIAGRAMMATIC, AND INDICATE GENERAL ARRANGEMENT OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO HAVE REVIEWED THE SITE FOR HIS WORK PRIOR TO HAVING SUBMITTED HIS PROPOSAL. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CONDITIONS FOUND DURING THE COURSE OF THE CONTRACT.
- THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF ALL OTHER TRADES.
- ALL WORK INCLUDING LABOR AND MATERIALS SHALL BE FULLY GUARANTEED FOR ONE (1) YEAR FROM THE DATE OF PAYMENT AND FINAL ACCEPTANCE BY THE OWNER AND ENGINEER.
- ALL CUTTING, PATCHING, FIRE-STOPPING, AND SURFACE RESTORATION IN CONNECTION WITH THIS TRADE SHALL BE COMPLETED BY THIS CONTRACTOR.
- A MINIMUM OF FOUR (4) COPIES OF SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO ORDERING AND INSTALLATION OF THE EQUIPMENT AND/OR MATERIALS. BY SUBMITTING SHOP DRAWINGS, THE CONTRACTOR REPRESENTS THAT ACTUAL FIELD CONDITIONS ARE VERIFIED BY HIM AND ARE REFLECTED ON HIS SUBMITTALS.
- THIS CONTRACTOR SHALL PAY ALL FEES, GIVE ALL NOTICES, FILE ALL NECESSARY DRAWINGS, AND OBTAIN ALL PERMITS, INSPECTIONS AND CERTIFICATES OF APPROVAL REQUIRED IN CONNECTION WITH WORK UNDER THIS CONTRACT.
- EQUIPMENT AND MATERIALS FOR WHICH UNDERWRITERS LABORATORIES INC. (UL) PROVIDES PRODUCT LISTING SERVICE SHALL BE LISTED AND BEAR THE LISTING MARK.
- ALL WORK IN ASSOCIATION WITH THIS CONTRACT SHALL BE COMPLETED IN STRICT COMPLIANCE WITH THE 2017 NATIONAL ELECTRIC CODE, 2020 BUILDING CODE OF NEW YORK STATE, 2020 FIRE CODE OF NEW YORK STATE & 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.
- ALL NEW LIGHTING FIXTURES SHALL BE INSTALLED FULLY LAMPED AND OPERABLE. THE CONTRACTOR SHALL TURN OVER TO THE OWNER SPARE LAMPS OF EVERY TYPE ON THE PROJECT IN AN AMOUNT NOT LESS THAN 20% OF THE TOTAL NUMBER OF EACH TYPE (MINIMUM 1 PER TYPE).
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION, APPLICATIONS AND FEES OF ALL WORK ASSOCIATED WITH THE LOCAL UTILITY COMPANY AND/OR THE TELEPHONE COMPANY. ALL WORK INVOLVING THE UTILITY COMPANY SHALL BE COMPLETED IN ACCORDANCE WITH THEIR REGULATIONS AND GUIDELINES.
- ALL CONDUCTORS SHALL BE COPPER, SHALL NOT BE LESS THAN #12 AWG, AND SHALL NOT EXCEED 70 FEET FROM PANEL BOARD TO FURTHEST CONNECTION UNLESS OTHERWISE NOTED ON PLANS.
- WIRING SHALL CONSIST OF METALLIC ARMORED CABLES (TYPE AC) INSTALLED WHERE CONCEALED IN FRAMED WALLS, CEILINGS, OR PERMITTED BY THE NEC. OTHER AREAS SHALL CONSIST OF INSULATED CONDUCTORS INSTALLED IN RIGID STEEL CONDUIT (RGS), ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METAL CONDUIT (IMC), OR FLEXIBLE METALLIC ARMORED CABLE (GREENFIELD).
- LIGHTING LOADS SHALL NOT BE COMBINED ON THE SAME CIRCUIT AS ANY OTHER ELECTRICAL LOADS.
- CONTRACTOR SHALL BE RESPONSIBLE TO FURNISH & INSTALL ALL SMALL DETAILS AND INCIDENTAL WORK NOT SHOWN OR SPECIFIED, BUT WHICH CAN BE REASONABLY INFERRED AS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM OF HIGH QUALITY MEETING ALL APPLICABLE CODES AND REGULATIONS.
- FOR EACH NEW OR MODIFIED ELECTRICAL PANEL, THE CONTRACTOR SHALL PROVIDE A TYPE WRITTEN DIRECTORY CARD TO REFLECT ALL CIRCUITING. ADDITIONALLY, THE CONTRACTOR SHALL LABEL (WITH A PERMANENT MARKER OR LABEL) EACH RECEPTACLE ON THE INSIDE OF EACH FACE PLATE WITH PANEL AND CIRCUIT NUMBER DESIGNATION.
- MINIMUM REQUIREMENT FOR EQUIPMENT GROUNDING SHALL BE GOVERNED BY THE NEC. ALL GROUNDS, BONDING, ETC. SHALL MEET THESE REQUIREMENTS. THE CONTRACTOR SHALL FURNISH AND INSTALL ANY AND ALL ITEMS NECESSARY TO MEET THESE REQUIREMENTS AT NO EXTRA COST, EVEN IF SUCH ITEMS ARE NOT DETAILED ON THE DRAWINGS.
- ALL CONDUIT AND CABLE SHALL BE PROPERLY SUPPORTED AND ROUTED PARALLEL OR PERPENDICULAR TO BUILDING WALLS. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL SUPPORT HANGERS AND MISCELLANEOUS METALS REQUIRED FOR PROPER INSTALLATION OF WORK.
- THE CONTRACTOR IS RESPONSIBLE TO TEST ALL EQUIPMENT, WIRING, DEVICES, AND SYSTEMS INSTALLED UNDER THIS CONTRACT TO ENSURE PROPER OPERATION PRIOR TO FINAL ACCEPTANCE BY THE OWNER AND ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE TO DETERMINE WHETHER SPECIAL LICENSING IS REQUIRED IN ORDER TO PERFORM THE REQUIRED WORK IN THE MUNICIPALITY WHERE THE PROJECT IS LOCATED. IF THE CONTRACTOR CANNOT OBTAIN THE REQUIRED LICENSING TO COMPLETE THE WORK WITHIN THE PROJECT SCHEDULE, THEN THE CONTRACTOR SHALL NOT BE PERMITTED TO BID ON THIS PROJECT.

WIRE COLOR CODING TABLE							
PHASE	WIRES	VOLTAGE	L1	L2	L3	NEUTRAL	GROUND
1	2 (1)	120	BLACK	-	-	WHITE	-
1	2 (1)	208	BLACK	RED	-	-	-
1	3	120	BLACK	-	-	WHITE	GREEN (2)
1	3	208	BLACK	RED	-	-	GREEN (2)
3	4	208	BLACK	RED	BLUE	-	GREEN (2)
3	5	208	BLACK	RED	BLUE	WHITE	GREEN (2)
1	3	277	BROWN	-	-	GRAY	GREEN (2)
1	3	480	BROWN	ORANGE	-	-	GREEN (2)
3	4	480	BROWN	ORANGE	YELLOW	-	GREEN (2)
3	5	480	BROWN	ORANGE	YELLOW	GRAY	GREEN (2)

NOTES:  
1. FOR DOUBLE INSULATED EQUIPMENT ONLY.  
2. GREEN/YELLOW MAY BE USED:  
- GREEN/YELLOW SHALL BE GREEN WITH ONE OR MORE YELLOW STRIPES.  
- GREEN = 50 TO 70%, YELLOW = 50 TO 30%.  
- GREEN/YELLOW IS THE ONLY COLOR INTERNATIONALLY ACCEPTED FOR USE AS AN EQUIPMENT GROUNDING CONDUCTOR.  
- GREEN OR GREEN/YELLOW MUST ONLY BE USED FOR GROUNDING CONDUCTORS.

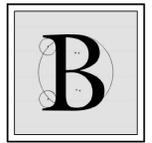
**KEY PLAN:**



**PROJECT:**  
CORNWALL PUBLIC LIBRARY  
HVAC SYSTEM REPLACEMENT PROJECT  
395 HUDSON STREET  
CORNWALL, NEW YORK 12518  
SED #44-03-01-06-6-009-006

**SUB-CONSULTANT:**

**ENGINEER:**



**BLAKE ENGINEERING PLLC**  
1898 COUNTY ROUTE 1  
WESTTOWN, NEW YORK 10998  
TEL:845-467-9207 FAX:845-767-5050  
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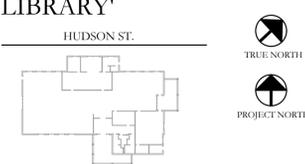
MATTHEW G. BLAKE, P.E., LEED AP  
NY - 89039 NJ - GE050037 PA - PE079303  
MA - 53197 CT - 32283 FL - 85928

**ELECTRICAL LEGEND, NOTES, SCHEDULE & DETAILS**

DATE	DRN	CHK	DESCRIPTION
01.26.2023	BJK	BJK	CONSTRUCTION DWGS

REV.	DATE	DRN	CHK	DESCRIPTION

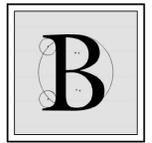
PROJECT NO. **2150** SHEET NO. **E.101**

KEY PLAN:  
 'CORNWALL PUBLIC LIBRARY'  
 HUDSON ST.  


PROJECT:  
 CORNWALL PUBLIC LIBRARY  
 HVAC SYSTEM  
 REPLACEMENT PROJECT  
 395 HUDSON STREET  
 CORNWALL, NEW YORK 12518  
 SED #44-03-01-06-6-009-006

SUB-CONSULTANT:

ENGINEER:



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MATTHEW G. BLAKE, P.E., LEED AP  
 NY - 89039 NJ - GE050037 PA - PE079303  
 MA - 53197 CT - 32283 FL - 85928

**ELECTRICAL PANEL SCHEDULES**

DATE:	DRN:	CHK:	DESCRIPTION:
01.26.2023	BJK	BJK	CONSTRUCTION DWGS

REV.	DATE:	DRN:	CHK:	DESCRIPTION:

PROJECT NO. **2150** SHEET NO. **E.102**

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120/208V 3Ø 4W+G		BUS RATING: 225A				100 AMP MCB				
CONNECTED LOAD	CONDUCTORS	CKT. BREAKER AMPACITY	POSITION	L1 KVA	L2 KVA	L3 KVA	POSITION	CKT. BREAKER AMPACITY	CONDUCTORS	CONNECTED LOAD
EXIST-FACP	EXISTING	20	1				2	20	EXISTING	EXIST-SAGE & SECURITY
EXIST-REC-STACK AREA FLOOR	EXISTING	20	3				4	20	EXISTING	EXIST-REC-DATA CLOS
EXIST-REC-STACK AREA	EXISTING	20	5				6	20	EXISTING	EXIST-REC-PA COMP RM FLOOR
EXIST-REC-STACK AREA	EXISTING	20	7				8	20	EXISTING	EXIST-REC-PA COMP RM FLOOR
EXIST-REC-STACK AREA FLOOR	EXISTING	20	9				10	20	EXISTING	EXIST-REC-MP ROOM
EXIST-REC-CIRC. DESK FLOOR	EXISTING	20	11				12	20	EXISTING	EXIST-REC-MP ROOM
EXIST-REC-STAFF WR	EXISTING	20	13				14	20	EXISTING	EXIST-REC-CHILDRENS FLOOR
EXIST-REC-STAFF WR	EXISTING	20	15				16	20	EXISTING	EXIST-REC-CHILDRENS FLOOR
EXIST-REC-CIRC DESK WALL	EXISTING	20	17				18	20	EXISTING	EXIST-REC-CHILDRENS FLOOR
EXIST-REC-STAFF WR	EXISTING	20	19				20	20	(2) #12 CU & (1) #12 GND.	PLUMBING FIXTURES
EXIST-REC-STACK AREA FLOOR	EXISTING	20	21				22	20	EXISTING	EXIST-PLUGMOLD
EXIST-REC-STACK AREA FLOOR	EXISTING	20	23				24	20	EXISTING	EXIST-PLUGMOLD
FAN COIL UNITS	(2) #12 CU & (1) #12 GND.	20	25				26	20	(2) #12 CU & (1) #12 GND.	VRF SYSTEM CONTROLLER
KITCHENETTE RECEPTACLE	(2) #12 CU & (1) #12 GND.	20	27				28	20	(2) #12 CU & (1) #12 GND.	CH-1 - ELECTRIC HEATER
EXISTING GE A SERIES PANELBOARD			30				30	20	EXISTING	EXIST-CHILDREN COLLECTION
										- KVA TOTAL

1 Existing Panelboard CP-1  
 E.102 Scale: None

- PROVIDE NEW CIRCUIT BREAKERS FOR ALL NEW OR MODIFIED CIRCUITS; BREAKERS SHALL MATCH EXISTING TYPE AND RATING
- PANEL SCHEDULE SHOWN BASED ON EXISTING DIRECTORY; CONTRACTOR SHALL VERIFY IN FIELD & ADJUST CIRCUIT LAYOUT AS NEEDED BASED ON AVAILABLE POSITIONS

CONTRACT #5

120/208V 3Ø 4W+G		BUS RATING: 125A				100 AMP MCB				
CONNECTED LOAD	CONDUCTORS	CKT. BREAKER AMPACITY	POSITION	L1 KVA	L2 KVA	L3 KVA	POSITION	CKT. BREAKER AMPACITY	CONDUCTORS	CONNECTED LOAD
EXIST-LTG-EXIT/NLS	EXISTING	20	1				2	20	EXISTING	EXIST-LTG-CENTER PEND
EXIST-LTG-STOR/RR'S	EXISTING	20	3				4	20	EXISTING	EXIST-LTG-CENTER PEND
EXIST-LTG-LOBBY	EXISTING	20	5				6	20	EXISTING	EXIST-LTG-STACKS(AF)
EXIST-LTG-STAFF WR	EXISTING	20	7				8	20	EXISTING	EXIST-LTG-CHILDREN
EXIST-LTG-STAFF WR	EXISTING	20	9				10	20	EXISTING	EXIST-LTG-CHILDREN
EXIST-LTG-OFF/LOUNGE	EXISTING	20	11				12	20	EXISTING	EXIST-LTG-COVE
EXIST-LTG-FRNT CANOPY	EXISTING	20	13				14	20	EXISTING	EXIST-LTG-COVE
EXIST-LTG-SIDE CANOPY	EXISTING	20	15				16	20	EXISTING	EXIST-LTG-COVE
EXIST-LTG-PARK LOT	EXISTING	20	17				18	20	EXISTING	EXIST-LTG-MP ROOM
EXIST-LTG-PARK LOT	EXISTING	20	19				20	20	EXISTING	EXIST-LTG-MP ROOM
EXIST-LTG-STACKS	EXISTING	20	21				22	20	EXISTING	EXIST-LTG-MP ROOM
EXIST-LTG-STACKS	EXISTING	20	23				24	20	EXISTING	EXIST-SPARE
EXIST-LTG-STACKS	EXISTING	20	25				26	20	EXISTING	EXIST-SPARE
EXIST-SPARE	EXISTING	20	27				28	20	EXISTING	EXIST-TV OUTLET
EXIST-SPARE	EXISTING	20	29				30	20		EXIST-SPARE
										- KVA TOTAL

2 Existing Panelboard L-1  
 E.102 Scale: None

- PROVIDE NEW CIRCUIT BREAKERS FOR ALL NEW OR MODIFIED CIRCUITS; BREAKERS SHALL MATCH EXISTING TYPE AND RATING
- PANEL SCHEDULE SHOWN BASED ON EXISTING DIRECTORY; CONTRACTOR SHALL VERIFY IN FIELD & ADJUST CIRCUIT LAYOUT AS NEEDED BASED ON AVAILABLE POSITIONS

277/480V 3Ø 4W+G, 10kAIC RATING		BUS RATING: 225A				MAIN LUGS ONLY				
CONNECTED LOAD	CONDUCTORS	CKT. BREAKER AMPACITY	POSITION	L1 KVA	L2 KVA	L3 KVA	POSITION	CKT. BREAKER AMPACITY	CONDUCTORS	CONNECTED LOAD
SPARE		20	1				2	100	EXISTING	PANEL CP1
HEAT PUMP	(3) #4 CU & (1) #8 GND.	70	7				8	100	EXISTING	PANEL L1
HEAT PUMP	(3) #6 CU & (1) #10 GND.	60	13				14	100	EXISTING	PANEL P1
HEAT PUMP	(3) #6 CU & (1) #10 GND.	60	19				20	20	EXISTING	SNOW MELT
HEAT PUMP	(3) #6 CU & (1) #10 GND.	60	21				22	20	EXISTING	SNOW MELT
SPARE		15	25				26	20	EXISTING	SNOW MELT
SPARE		15	27				28	20	EXISTING	SNOW MELT
SPARE		15	29				30	20	EXISTING	SNOW MELT
SPARE		15	31				32	20	EXISTING	SNOW MELT
EXISTING		20	33				34			SPACE
EXISTING		20	35				36			SPACE
EXISTING		20	37				38	40	EXISTING	SURGE SUPPRESSOR
EXISTING		20	39				40			SPACE
SPACE			41				42			SPACE
										- KVA TOTAL

3 Existing Main Distribution Panel MDP-1 Schedule  
 E.102 Scale: None

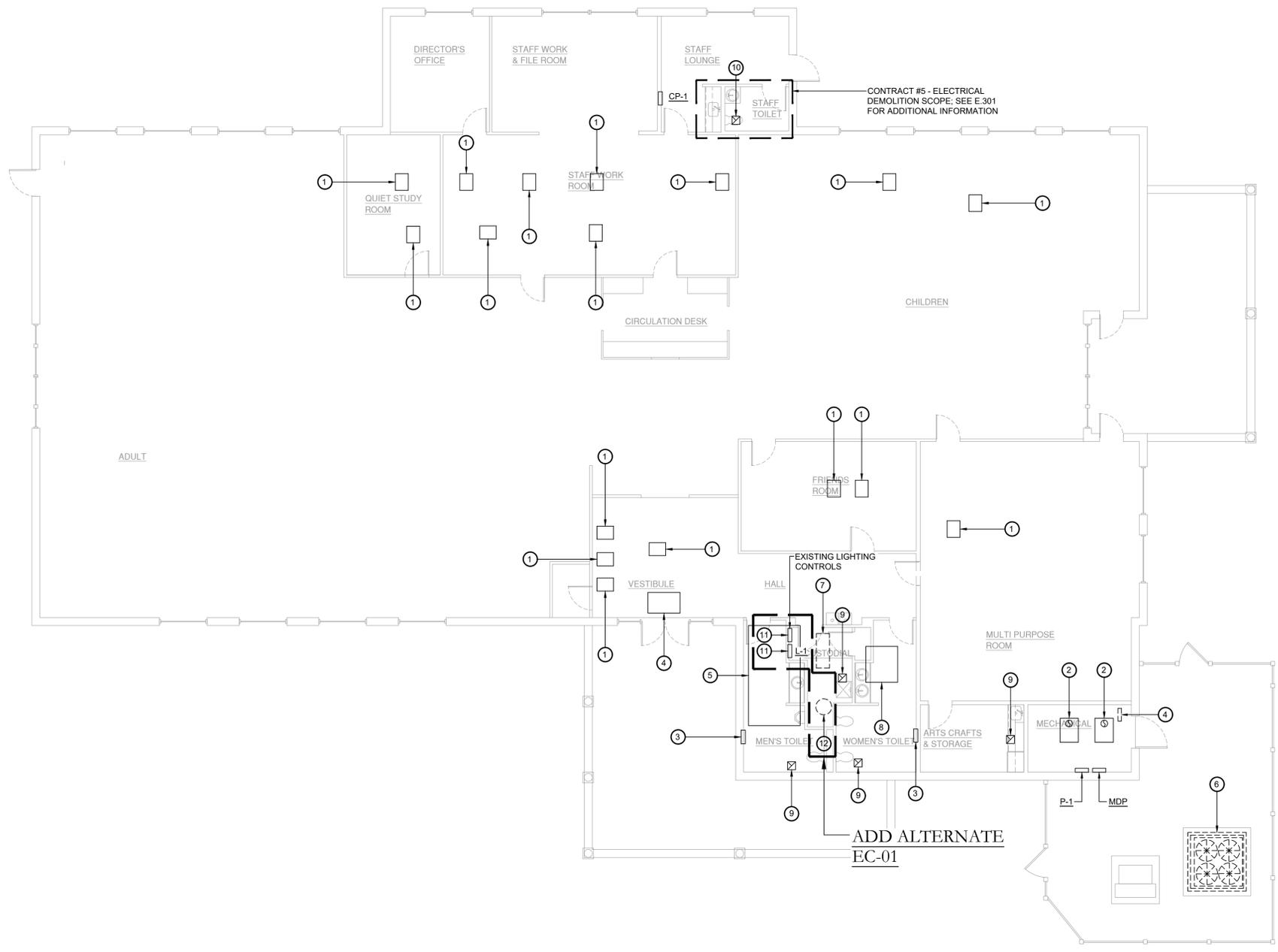
- PROVIDE NEW CIRCUIT BREAKERS FOR ALL NEW OR MODIFIED CIRCUITS; BREAKERS SHALL MATCH EXISTING TYPE AND RATING
- PANEL SCHEDULE SHOWN BASED ON EXISTING DIRECTORY; CONTRACTOR SHALL VERIFY IN FIELD & ADJUST CIRCUIT LAYOUT AS NEEDED BASED ON AVAILABLE POSITIONS

120/208V 3Ø 4W+G		BUS RATING: 225A				MLO				
CONNECTED LOAD	CONDUCTORS	CKT. BREAKER AMPACITY	POSITION	L1 KVA	L2 KVA	L3 KVA	POSITION	CKT. BREAKER AMPACITY	CONDUCTORS	CONNECTED LOAD
EXIST-REC-STACKS	EXISTING	20	1				2	20	EXISTING	EXIST-REC-MP ROOM
EXIST-REC-STACKS	EXISTING	20	3				4	20	EXISTING	EXIST-REC-MP ROOM
EXIST-REC-COPIER	EXISTING	20	5				6	20	EXISTING	EXIST-REC-CHILDRENS
EXIST-REC-OFFICE/FILE	EXISTING	20	7				8	20	EXISTING	EXIST-ART STOR-MW
EXIST-REC-LOUNGE	EXISTING	20	9				10	20	EXISTING	EXIST-ART STOR-REFRIG
EXIST-WTR HTR WH-B	EXISTING	20	11				12	20	EXISTING	EXIST-VAX BOXES
EXIST-DWYER UNIT	EXISTING	30	13				14	30	(2) #10 CU & (1) #10 GND.	WATER HEATER
EXIST-ART STORAGE REC	EXISTING	20	15				16	20	EXISTING	EXIST-HUMIFIER
EXIST-REC-COPIER FLOOR	EXISTING	20	17				18	20	EXISTING	EXIST-REC-BOILER RM
FAN COIL UNITS	(2) #12 CU & (1) #12 GND.	20	21				22	20	EXISTING	EXIST-REC-LOBBY
EXIST-REC-OFFICE/FILE	EXISTING	20	23				24	20	EXISTING	EXIST-REC-EWC'S
EXIST-VAV BOXES	EXISTING	20	25				26	20	EXISTING	EXIST-WTR HTR WH-C
EXIST-EF-1	EXISTING	15	27				28	20	(2) #12 CU & (1) #12 GND.	CH-1 - ELECTRIC HEATER
EXIST-DISHWASHER	EXISTING	20	29				30	20	(2) #12 CU & (1) #12 GND.	CH-1 - ELECTRIC HEATER
ERV-1	(3) #12 CU & (1) #12 GND.	30	31				32	40	(3) #8 CU & (1) #10 GND.	ELECTRIC DUCT HEATER
EXIST-SPARE	EXISTING	20	33				34	20	(2) #12 CU & (1) #12 GND.	PLUMBING FIXTURES
EXIST-HANDICAP DOOR	EXISTING	20	35				36	20	EXISTING	EXIST-STOVE TOP
EXIST-VAX BOXES	EXISTING	20	37				38	30	EXISTING	EXIST-STOVE TOP
										- KVA TOTAL

4 Existing Panelboard P-1  
 E.102 Scale: None

- PROVIDE NEW CIRCUIT BREAKERS FOR ALL NEW OR MODIFIED CIRCUITS; BREAKERS SHALL MATCH EXISTING TYPE AND RATING
- PANEL SCHEDULE SHOWN BASED ON EXISTING DIRECTORY; CONTRACTOR SHALL VERIFY IN FIELD & ADJUST CIRCUIT LAYOUT AS NEEDED BASED ON AVAILABLE POSITIONS

ADD ALTERNATE  
 EC-01



- Key Notes:**
- ① EXISTING VAV BOX TO BE REMOVED BY MC; DISCONNECT, REMOVE & PROPERLY DISPOSE OF POWER BACK TO SOURCE INCLUDING ALL ASSOCIATED DISCONNECTS, WIRING AND CONDUITS
  - ② EXISTING BOILER & ASSOCIATED BURNER, PUMPS, CONTROLS, ETC. TO BE REMOVED BY MC; DISCONNECT, REMOVE & PROPERLY DISPOSE OF POWER BACK TO SOURCE INCLUDING ALL ASSOCIATED DISCONNECTS, WIRING AND CONDUITS
  - ③ EXISTING WALL MOUNTED CABINET HEATER TO BE REMOVED BY MC; DISCONNECT, REMOVE & PROPERLY DISPOSE OF POWER BACK TO SOURCE INCLUDING ALL ASSOCIATED DISCONNECTS, WIRING AND CONDUITS
  - ④ EXISTING CEILING MOUNTED CABINET HEATER TO BE REMOVED BY MC; DISCONNECT, REMOVE & PROPERLY DISPOSE OF POWER BACK TO SOURCE INCLUDING ALL ASSOCIATED DISCONNECTS, WIRING AND CONDUITS
  - ⑤ EXISTING AIR HANDLING UNIT TO BE REMOVED BY MC; DISCONNECT, REMOVE & PROPERLY DISPOSE OF POWER BACK TO SOURCE INCLUDING VFD ALL ASSOCIATED DISCONNECTS, WIRING AND CONDUITS
  - ⑥ EXISTING CONDENSING UNIT TO BE REMOVED BY MC; DISCONNECT, REMOVE & PROPERLY DISPOSE OF POWER BACK TO SOURCE INCLUDING VFD ALL ASSOCIATED DISCONNECTS, WIRING AND CONDUITS
  - ⑦ EXISTING GAS FIRED HUMIDIFIER TO BE REMOVED BY MC; DISCONNECT, REMOVE & PROPERLY DISPOSE OF POWER BACK TO SOURCE INCLUDING ALL ASSOCIATED DISCONNECTS, WIRING AND CONDUITS
  - ⑧ EXISTING RETURN FAN TO BE REMOVED BY MC; DISCONNECT, REMOVE & PROPERLY DISPOSE OF POWER BACK TO SOURCE INCLUDING VFD AND ALL ASSOCIATED DISCONNECTS, WIRING AND CONDUITS
  - ⑨ EXISTING EXHAUST FAN TO BE REMOVED BY MC; DISCONNECT, REMOVE & PROPERLY DISPOSE OF POWER BACK TO SOURCE INCLUDING ALL ASSOCIATED DISCONNECTS, WIRING AND CONDUITS
  - ⑩ EXISTING EXHAUST FAN TO BE REMAIN; DISCONNECT POWER SOURCE AND RECONNECT AS NEEDED TO TEMPORARILY REMOVE FAN FOR CEILING REPLACEMENT
  - ⑪ EXISTING LIGHTING PANELBOARD & LIGHTING CONTROLS PANEL TO BE TEMPORARILY REMOVED FROM WALL TO ALLOW FOR ADJACENT CONSTRUCTION ACTIVITIES; DISCONNECT FEEDERS AND ALL DISTRIBUTION WIRING AND THEN MOUNT PANELS TO TEMPORARY STANCHION AND RECONNECT WIRING
  - ⑫ EXISTING WATER HEATER TO BE REMOVED BY PC; DISCONNECT, REMOVE & PROPERLY DISPOSE OF POWER BACK TO SOURCE INCLUDING ALL ASSOCIATED DISCONNECTS, WIRING AND CONDUITS

ADD ALTERNATE  
EC-01

ADD ALTERNATE  
EC-01

1 Electrical Demolition Plan  
ED.201 Scale: 1/8" = 1'-0"

**KEY PLAN:**  
**'CORNWALL PUBLIC LIBRARY'**  
HUDSON ST.  
TRUE NORTH  
PROJECT NORTH

**PROJECT:**  
**CORNWALL PUBLIC LIBRARY HVAC SYSTEM REPLACEMENT PROJECT**  
395 HUDSON STREET  
CORNWALL, NEW YORK 12518  
SED #:44-03-01-06-6-009-006

**SUB-CONSULTANT:**

**ENGINEER:**

**BLAKE ENGINEERING PLLC**  
1898 COUNTY ROUTE 1  
WESTTOWN, NEW YORK 10998  
TEL:845-467-9207 FAX:845-767-5050  
MBLAKE@BLAKEENGINEERINGPLLC.COM

NOT VALID FOR CONSTRUCTION UNLESS SIGNED AND SEALED BY ENGINEER

MATTHEW G. BLAKE, P.E., LEED AP  
NY - 89039 NJ - GE050037 PA - PE079303  
MA - 53197 CT - 32283 FL - 85928

**ELECTRICAL DEMOLITION PLAN**

DATE:	DRN:	CHK:	DESCRIPTION:
01.26.2023	BJK	BJK	CONSTRUCTION DWGS

REV.	DATE:	DRN:	CHK:	DESCRIPTION:

PROJECT NO.	SHEET NO.
2150	ED.201

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KEY PLAN:

'CORNWALL PUBLIC LIBRARY'

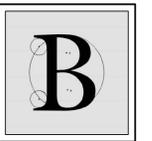
HUDSON ST.



PROJECT:  
CORNWALL PUBLIC LIBRARY  
HVAC SYSTEM REPLACEMENT PROJECT  
395 HUDSON STREET  
CORNWALL, NEW YORK 12518  
SED #:44-03-01-06-6-009-006

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MA - 53197 CT - 32283 FL - 85928

**LIGHTING DEMOLITION PLAN**

DATE	DRN	CHK	DESCRIPTION
01.26.2023	BJK	BJK	CONSTRUCTION DWGS

REV.	DATE	DRN	CHK	DESCRIPTION

PROJECT NO.

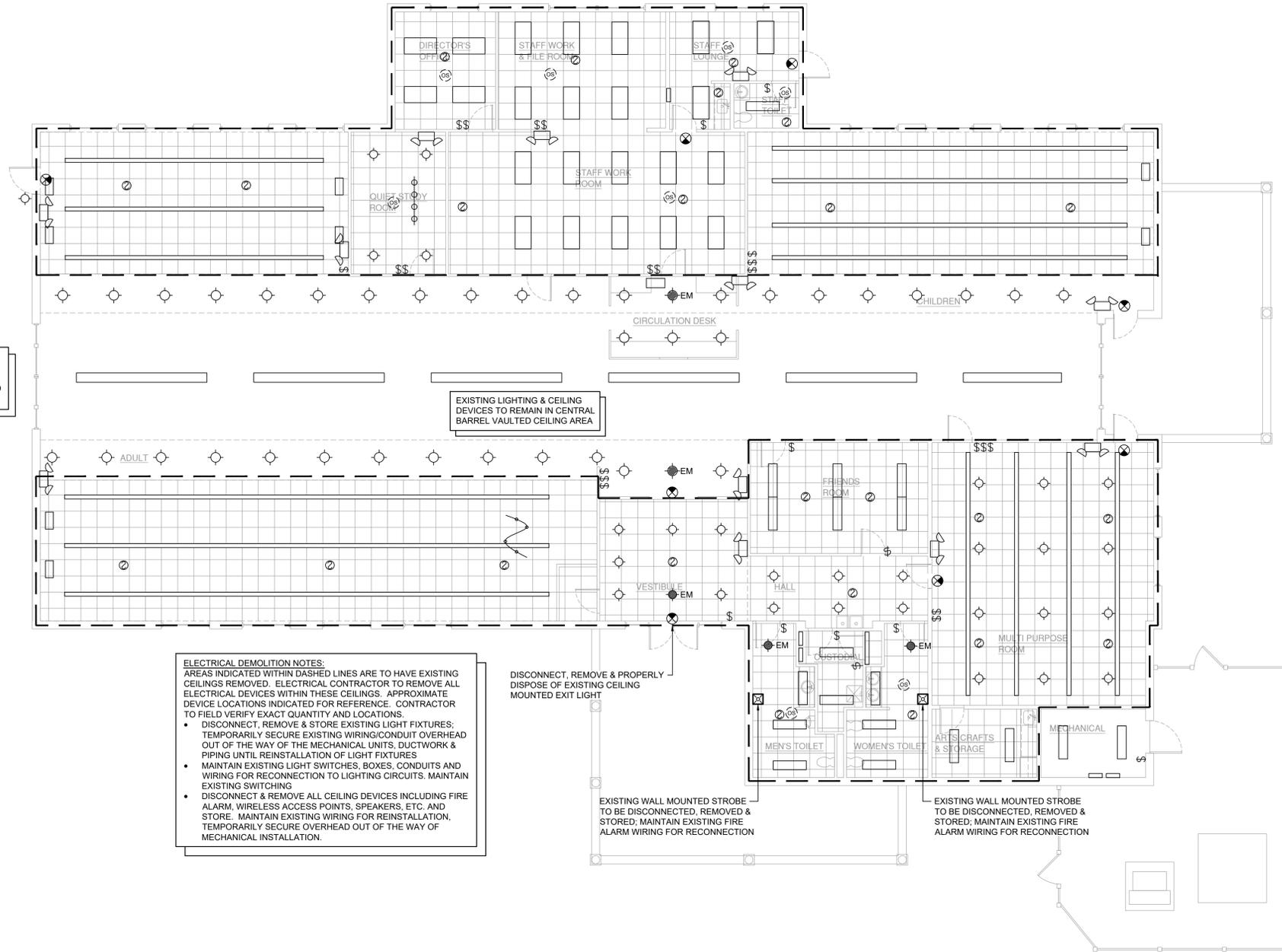
2150

SHEET NO.

ED.202

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UNLESS OTHERWISE NOTED, ALL EXISTING EXIT AND EMERGENCY LIGHTING IS WALL MOUNTED & IS TO REMAIN; LOCATIONS INDICATED FOR REFERENCE ONLY

EXISTING LIGHTING & CEILING DEVICES TO REMAIN IN CENTRAL BARREL VAULTED CEILING AREA

**ELECTRICAL DEMOLITION NOTES:**  
AREAS INDICATED WITHIN DASHED LINES ARE TO HAVE EXISTING CEILINGS REMOVED. ELECTRICAL CONTRACTOR TO REMOVE ALL ELECTRICAL DEVICES WITHIN THESE CEILINGS. APPROXIMATE DEVICE LOCATIONS INDICATED FOR REFERENCE. CONTRACTOR TO FIELD VERIFY EXACT QUANTITY AND LOCATIONS.

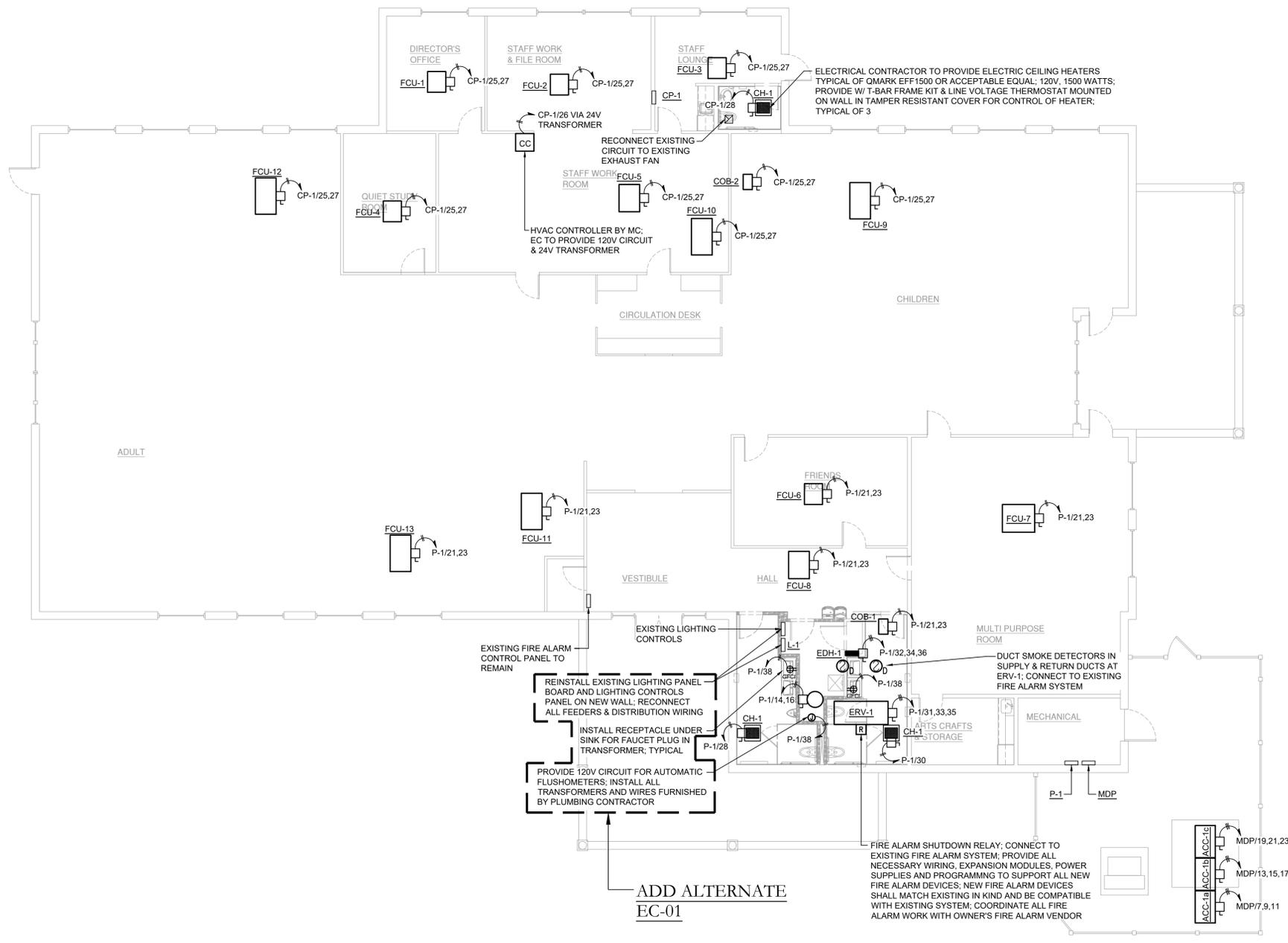
- DISCONNECT, REMOVE & STORE EXISTING LIGHT FIXTURES. TEMPORARILY SECURE EXISTING WIRING/CONDUIT OVERHEAD OUT OF THE WAY OF THE MECHANICAL UNITS, DUCTWORK & PIPING UNTIL REINSTALLATION OF LIGHT FIXTURES
- MAINTAIN EXISTING LIGHT SWITCHES, BOXES, CONDUITS AND WIRING FOR RECONNECTION TO LIGHTING CIRCUITS. MAINTAIN EXISTING SWITCHING
- DISCONNECT & REMOVE ALL CEILING DEVICES INCLUDING FIRE ALARM, WIRELESS ACCESS POINTS, SPEAKERS, ETC. AND STORE. MAINTAIN EXISTING WIRING FOR REINSTALLATION, TEMPORARILY SECURE OVERHEAD OUT OF THE WAY OF MECHANICAL INSTALLATION.

DISCONNECT, REMOVE & PROPERLY DISPOSE OF EXISTING CEILING MOUNTED EXIT LIGHT

EXISTING WALL MOUNTED STROBE TO BE DISCONNECTED, REMOVED & STORED; MAINTAIN EXISTING FIRE ALARM WIRING FOR RECONNECTION

EXISTING WALL MOUNTED STROBE TO BE DISCONNECTED, REMOVED & STORED; MAINTAIN EXISTING FIRE ALARM WIRING FOR RECONNECTION

1 Lighting Demolition Plan  
ED.202 Scale: 1/8" = 1'-0"



1 Electrical Plan  
E.201 Scale: 1/8" = 1'-0"

KEY PLAN:  
'CORNWALL PUBLIC LIBRARY'  
HUDSON ST.

PROJECT:  
CORNWALL PUBLIC LIBRARY  
HVAC SYSTEM REPLACEMENT PROJECT  
395 HUDSON STREET  
CORNWALL, NEW YORK 12518  
SED #:44-03-01-06-6-009-006

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ELECTRICAL PLAN

DATE	DRN	CHK	DESCRIPTION
01.26.2023	BJK	BJK	CONSTRUCTION DWGS

REV.	DATE	DRN	CHK	DESCRIPTION

PROJECT NO. <b>2150</b>	SHEET NO. <b>E.201</b>
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KEY PLAN:

'CORNWALL PUBLIC LIBRARY'

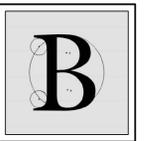
HUDSON ST.



PROJECT:  
CORNWALL PUBLIC LIBRARY  
HVAC SYSTEM REPLACEMENT PROJECT  
395 HUDSON STREET  
CORNWALL, NEW YORK 12518  
SED #:44-03-01-06-6-009-006

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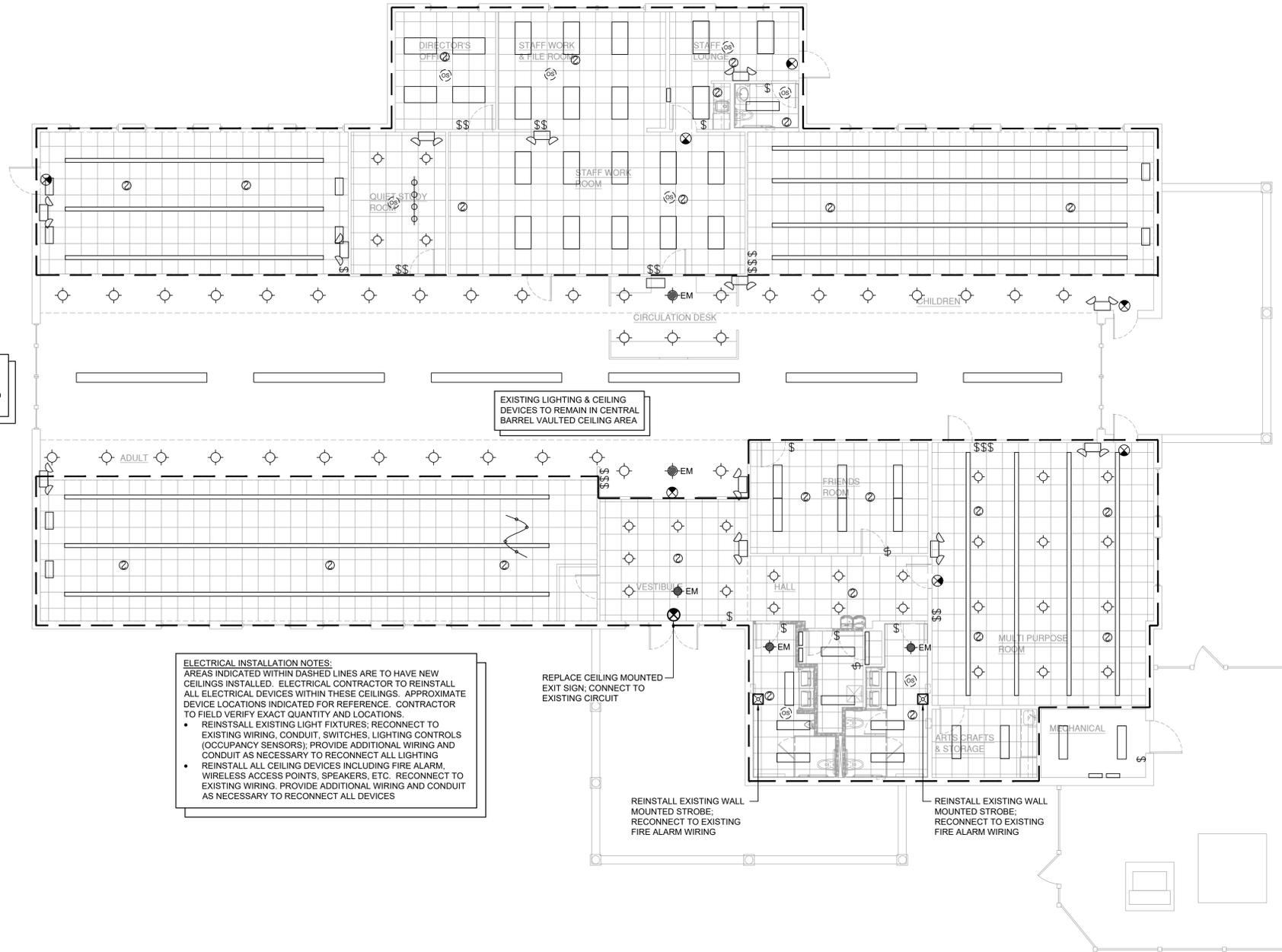
LIGHTING PLAN

DATE	DRN	CHK	DESCRIPTION
01.26.2023	BJK	BJK	CONSTRUCTION DWGS

REV.	DATE	DRN	CHK	DESCRIPTION

PROJECT NO. <b>2150</b>	SHEET NO. <b>E.202</b>
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UNLESS OTHERWISE NOTED, ALL EXISTING EXIT AND EMERGENCY LIGHTING IS WALL MOUNTED & IS TO REMAIN, LOCATIONS INDICATED FOR REFERENCE ONLY

EXISTING LIGHTING & CEILING DEVICES TO REMAIN IN CENTRAL BARREL VAULTED CEILING AREA

**ELECTRICAL INSTALLATION NOTES:**  
AREAS INDICATED WITHIN DASHED LINES ARE TO HAVE NEW CEILINGS INSTALLED. ELECTRICAL CONTRACTOR TO REINSTALL ALL ELECTRICAL DEVICES WITHIN THESE CEILINGS. APPROXIMATE DEVICE LOCATIONS INDICATED FOR REFERENCE. CONTRACTOR TO FIELD VERIFY EXACT QUANTITY AND LOCATIONS.

- REINSTALL EXISTING LIGHT FIXTURES; RECONNECT TO EXISTING WIRING, CONDUIT, SWITCHES, LIGHTING CONTROLS (OCCUPANCY SENSORS); PROVIDE ADDITIONAL WIRING AND CONDUIT AS NECESSARY TO RECONNECT ALL LIGHTING
- REINSTALL ALL CEILING DEVICES INCLUDING FIRE ALARM, WIRELESS ACCESS POINTS, SPEAKERS, ETC. RECONNECT TO EXISTING WIRING. PROVIDE ADDITIONAL WIRING AND CONDUIT AS NECESSARY TO RECONNECT ALL DEVICES

REPLACE CEILING MOUNTED EXIT SIGN; CONNECT TO EXISTING CIRCUIT

REINSTALL EXISTING WALL MOUNTED STROBE; RECONNECT TO EXISTING FIRE ALARM WIRING

REINSTALL EXISTING WALL MOUNTED STROBE; RECONNECT TO EXISTING FIRE ALARM WIRING

1 Lighting Plan  
E.202 Scale: 1/8" = 1'-0"

**Key Notes:**

- ① EXISTING LAVATORY TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF. DEMOLISH SANITARY, VENT & WATER PIPING BACK TO MAINS AT FLOOR AND/OR WALL & CAP; MAINTAIN SERVICES FOR RECONNECTION TO NEW FIXTURE(S)
- ② EXISTING WATER CLOSET TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF. DEMOLISH SANITARY, VENT & WATER PIPING BACK TO MAINS AT FLOOR AND/OR WALL & CAP; MAINTAIN SERVICES FOR RECONNECTION TO NEW FIXTURE(S)
- ③ EXISTING KITCHENETTE SINK TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF. DEMOLISH SANITARY, VENT & WATER PIPING BACK TO MAINS AT FLOOR AND/OR WALL & CAP; MAINTAIN SERVICES FOR RECONNECTION TO NEW FIXTURE(S)

**KEY PLAN:**

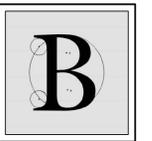
'CORNWALL PUBLIC LIBRARY'



**PROJECT:**  
 CORNWALL PUBLIC LIBRARY  
 HVAC SYSTEM REPLACEMENT PROJECT  
 395 HUDSON STREET  
 CORNWALL, NEW YORK 12518  
 SED #:44-03-01-06-6-009-006

**SUB-CONSULTANT:**

**ENGINEER:**



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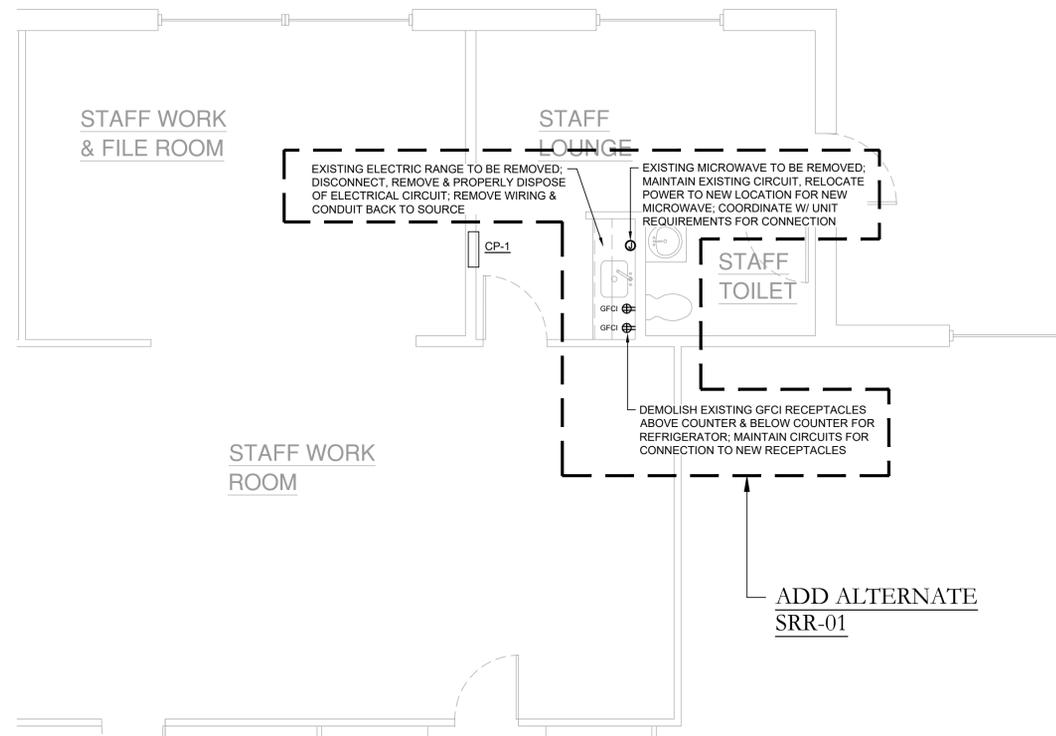
**STAFF RESTROOM & KITCHENETTE ELECTRICAL PLAN (CONTRACT #5)**

DATE	DRN	CHK	DESCRIPTION
01.26.2023	BJK	BJK	CONSTRUCTION DWGS

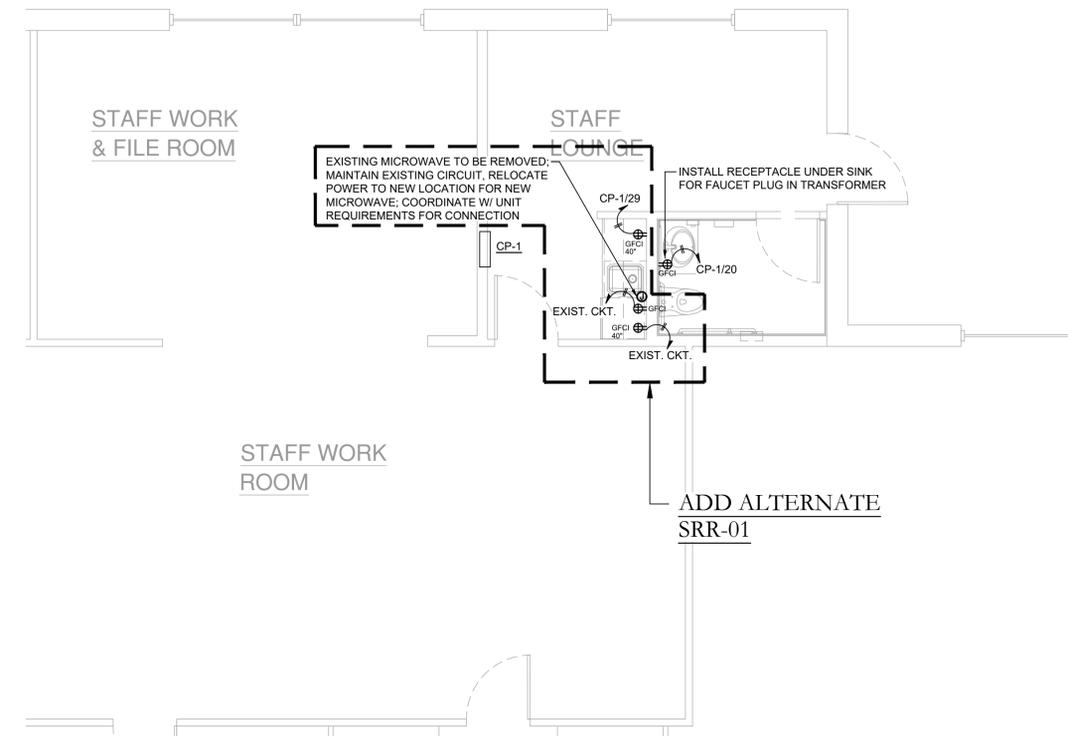
REV.	DATE	DRN	CHK	DESCRIPTION

PROJECT NO. <b>2150</b>	SHEET NO. <b>E.301</b>
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**1** Electrical Demolition Plan  
 E.301 Scale: 1/4" = 1'-0"



**2** Electrical Plan  
 E.301 Scale: 1/4" = 1'-0"