

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



LIST OF DRAWINGS:

ARCHITECTURAL DRAWINGS

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A.103	EXISTING 1ST FLOOR AND PROPOSED REFLECTED CEILING PLAN
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A.401	FINISH MATERIAL LEGEND
A.500	A.D.A. DETAILS
A.501	A.D.A. DETAILS

PLUMBING DRAWINGS

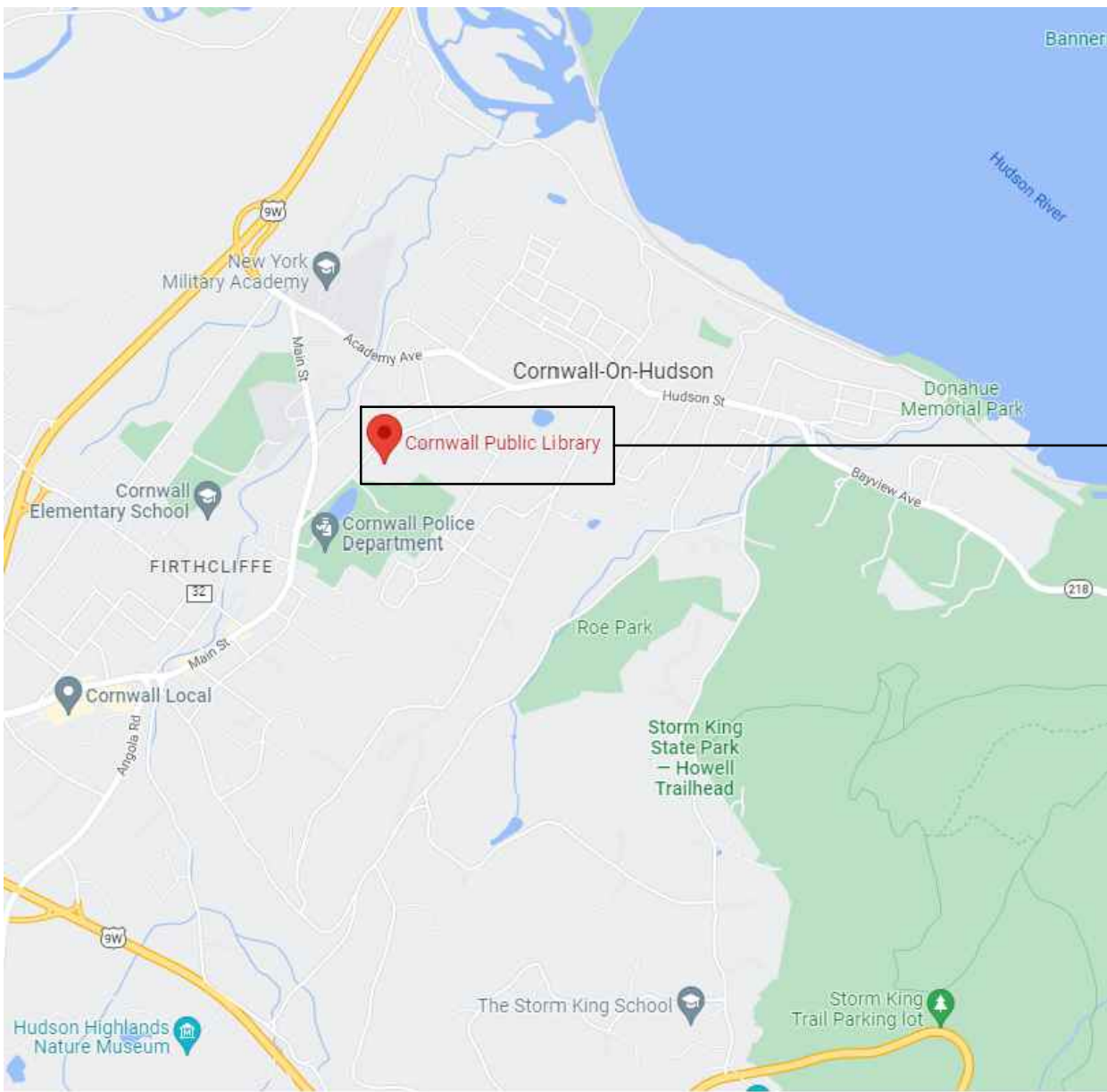
P.101	PLUMBING LEGEND, NOTES, SCHEDULE & DETAILS
PD.201	PLUMBING DEMOLITION PLAN
P.201	PLUMBING PLAN
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M.201	MECHANICAL DUCTWORK PLAN
M.202	ATTIC MECHANICAL PLAN
M.301	MECHANICAL PIPING PLAN

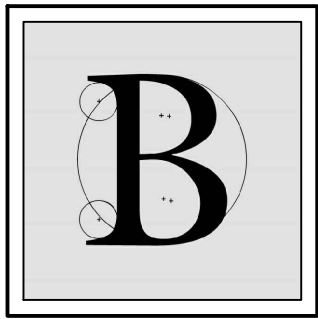
ELECTRICAL DRAWINGS

E.101	ELECTRICAL LEGEND, NOTES, SCHEDULE & DETAILS
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ED.201	ELECTRICAL DEMOLITION PLAN
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E.201	ELECTRICAL PLAN
E.202	LIGHTING PLAN
E.301	STAFF RESTROOM & KITCHENETTE ELECTRICAL PLAN (CONTRACT #5)



PROJECT SITE

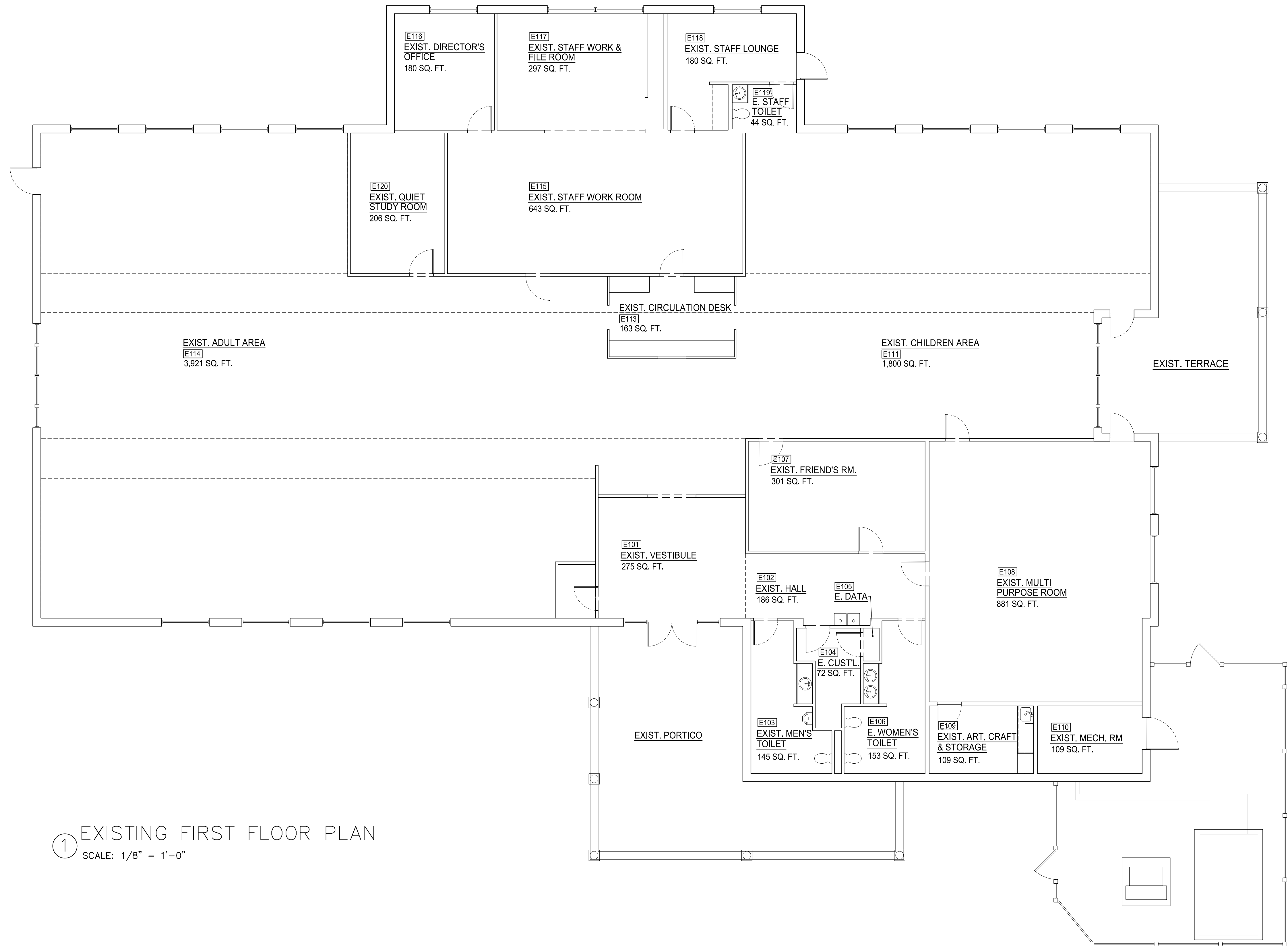
LOCATION MAP



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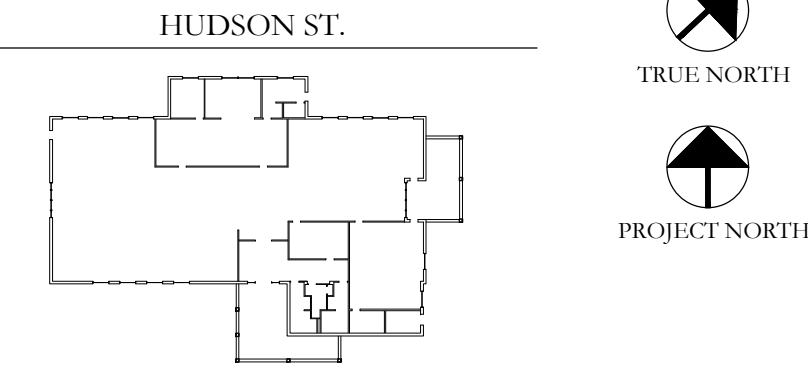
THE DESIGN OF THIS PROJECT CONFORMS TO APPLICABLE PROVISIONS OF THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE, AND THE MANUAL OF PLANNING STANDARDS OF THE NEW STATE EDUCATION DEPARTMENT



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

KEY PLAN:

'CORNWALL PUBLIC LIBRARY'

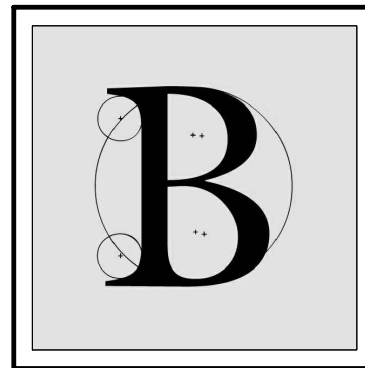


PROJECT:

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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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

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

UNAUTHORIZED ALTERATION OR ADDITION TO THIS PLAN
IS A VIOLATION OF SECTION 7209, SUBDIVISION 2, OF THE
NEW YORK STATE EDUCATION LAW.

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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

ROOM NUMBER
ROOM NAME

RM# RM. NAME
USE AREA LOAD

OCCUPANCY LOAD
ROOM AREA: GROSS
OR NET (PER CODE)

ROOM USE GROUP

TRAVEL DISTANCE

T.D. ##### / #####

MAX. TRAVEL DISTANCE
PERMITTED BY CODE

ACTUAL TRAVEL DISTANCE
PERMITTED BY CODE

EXIT PATH DIAGRAM

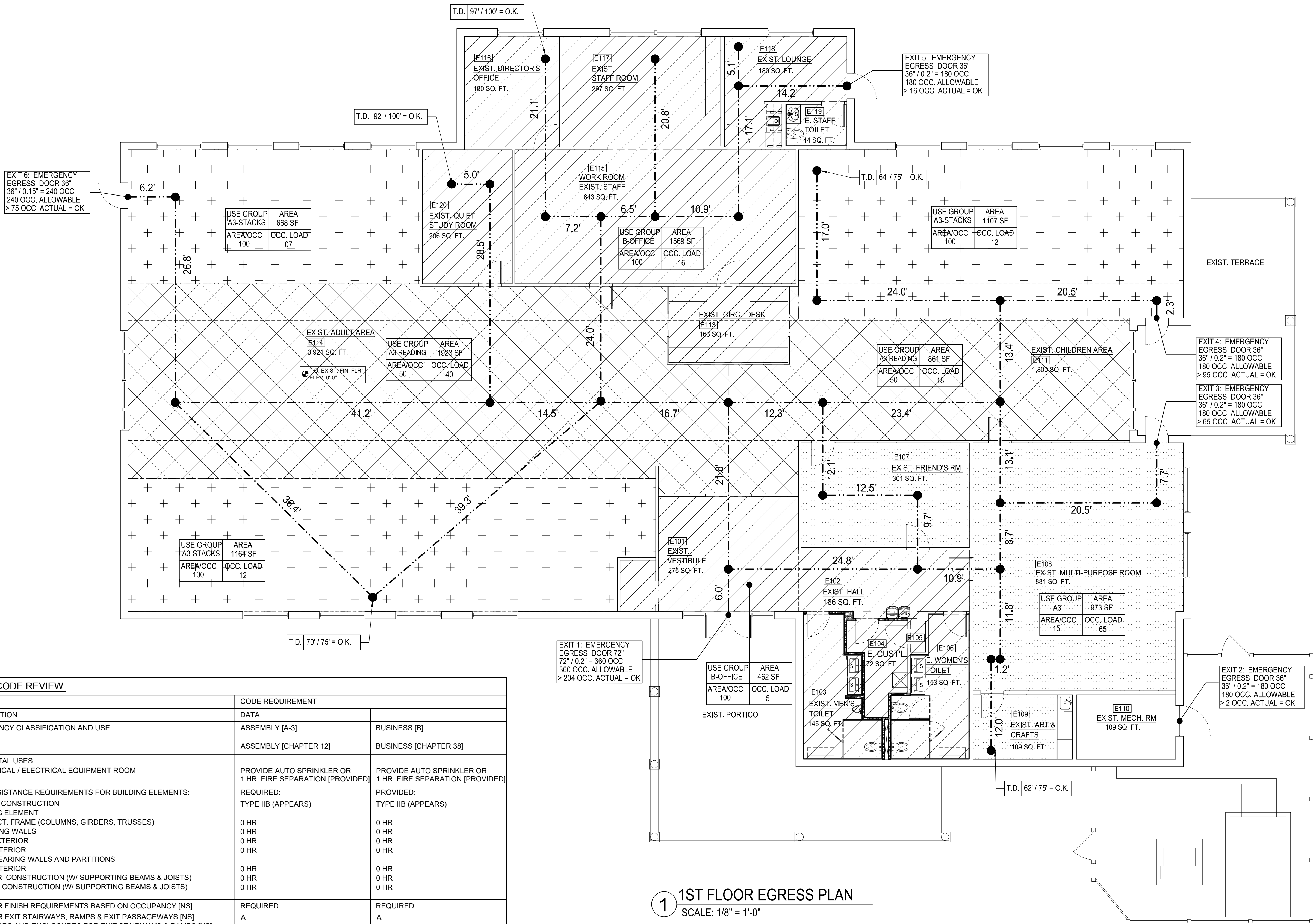
TRAVEL DIST. SEGMENT (FT.)

EXIT SIGNS

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

EXISTING BUILDING, CODE REVIEW			
REGULATIONS		CODE REQUIREMENT	
CODE & SECTION	DESCRIPTION	DATA	
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. - 801	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) 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR	PROVIDED: TYPE IIB (APPEARS) 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR 0 HR
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 C	REQUIRED: A B 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] BUSINESS [B]	[A-3] [B]	LIBRARY OFFICE STAFF	WATER CLOSET (WC) MALE 1 WC / 125 OCC FEMALE 1 WC / 65 OCC LAVATORIES (LAV) MALE 101 P / 200 OCC = (1) LAV REQUIRED. FEMALE 101 P / 200 OCC = (1) LAV REQUIRED. DRINKING FOUNTAIN (DF) MALE + FEMALE = 202 P / 500 OCC = (1) WATER FOUNTAIN REQUIRED SERVICE SINK (SS) (1) SERVICE SINK REQUIRED & (1) SERVICE SINK PROVIDED. = O.K.
ANALYSIS & DESIGN:			
OCCUPANTS = 202 PERSONS x 0.5 = 101 MALES & 101 FEMALES			
WATER CLOSETS (WC): MALE: 101 P / 125 OCC = (1) W.C. REQUIRED. FEMALE: 101 P / 65 OCC = (2) W.C. REQUIRED. (1) W.C. PROVIDED & (1) URINAL PROVIDED = O.K. (2) W.C. PROVIDED = O.K.			
LAVATORIES (LAV): MALE: 101 P / 200 OCC = (1) LAV REQUIRED. FEMALE: 101 P / 200 OCC = (1) LAV REQUIRED. (2) LAVATORIES PROVIDED = O.K. (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.			



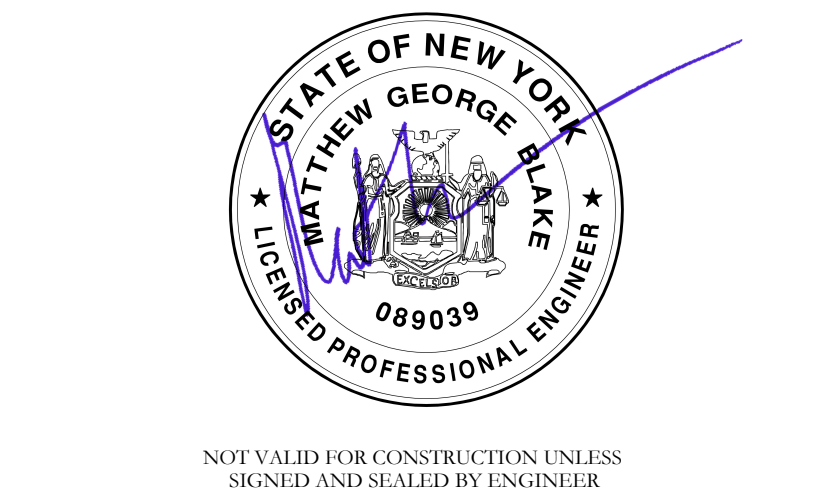
1 1ST FLOOR EGRESS PLAN
SCALE: 1/8" = 1'-0"

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

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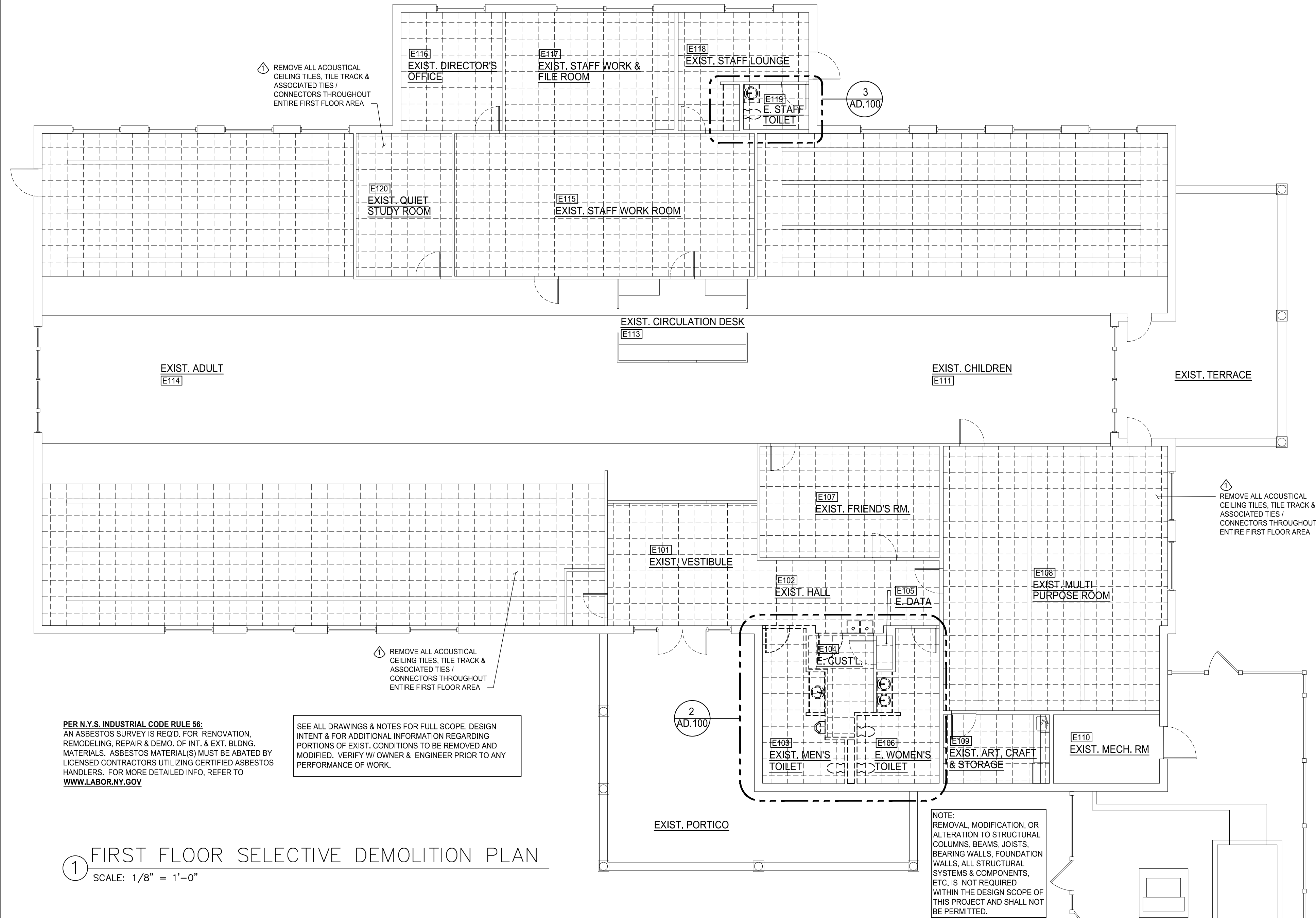
MATTHEW G. BLAKE, P.E., LEED AP
NY - 89039 NJ - GE050037 PA - PE079303
MA - 53197 CT - 32283 FL - 85928

EXISTING BUILDING
EGRESS PLAN & CODE
REVIEW

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

PROJECT NO.
2150
SHEET NO.
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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.

SYMBOLS LEGEND:

- EXISTING CONSTRUCTION PARTITION TO REMAIN
- EXISTING DOOR TO REMAIN
- EXISTING CONSTRUCTION PARTITION TO BE REMOVED
- EXISTING DOOR TO BE REMOVED W/ CARE
- EXISTING MILLWORK, FIXTURE OR EQUIPMENT BE REMOVED
- DEMOLITION I.D. TAG NOTATION

NOTE: CEILING WORK SHOWN ON
DRAWING #2, SHEET AD.100, BELONGS
TO CONTRACT #1. ALL REMAINING WORK
SHOWN ON DRAWING #3, SHEET AD.100,
FALLS UNDER CONTRACT #5

REMOVE ALL APPLIANCES &
FIXTURES. SAFEGUARD
APPLIANCES AS REQ'D.

ALTERNATE ROOM E118 (STAFF ROOM):
REMOVE EXISTING FIN. FLOOR DOWN TO
SUBSTRATE. PREP SLAB AS REQ'D. TO RECEIVE
NEW FINISH.

REMOVE ALL ACOUSTICAL CEILING TILES, TILE
TRACK & ASSOCIATED TIES / CONNECTORS
THROUGHOUT ENTIRE FIRST FLOOR AREA

REMOVE ALL RESTROOM
ACCESSORIES THRU-OUT
(DISPENSERS, GRAB
BARS, CHANGING
STATION, ETC.)

REMOVE LAVATORIES
& ALL MILLWORK AS
REQUIRED. CAP ALL
LINES REQ'D. PER
M.E.P. DRAWINGS.

REMOVE EXISTING
FLOOR TILE & GROUT
DOWN TO SUBSTRATE.
PREP SLAB AS REQ'D.
TO RECEIVE NEW
FINISH.

REMOVE ALL
MILLWORK AS
REQUIRED.

REMOVE WATER
CLOSET & CAP ALL
LINES AS REQ'D. SEE
M.E.P. DWGS.

REMOVE ALL WALL FINISHES IN REST
ROOMS (TILE & GYP. BD.) DOWN TO
STUDS. VERIFY IF STRUCTURE IS
SUITED TO RECEIVE NEW FINISHES.

3 ENLARGED PLAN DETAIL

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

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.

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.)

CAREFULLY REMOVE &
SAFEGUARD EXIST.
WOOD DOORS &
MTL. DOOR FRAME
FOR RE-
INSTALLATION.

REMOVE ALL ACOUSTICAL CEILING
TILES, TILE TRACK &
ASSOCIATED TIES /
CONNECTORS
THROUGHOUT
ENTIRE FIRST FLOOR
AREA

REMOVE URINAL &
CAP LINE AS REQ'D.

REMOVE ALL WALL
FINISHES IN REST
ROOMS (TILE &
GY. BD.) DOWN TO
STUDS. VERIFY IF
STRUCTURE IS
SUITED TO
RECEIVE NEW
FINISHES.

REMOVE ALL RESTROOM
ACCESSORIES THRU-OUT
(DISPENSERS, GRAB
BARS, CHANGING
STATION, ETC.)

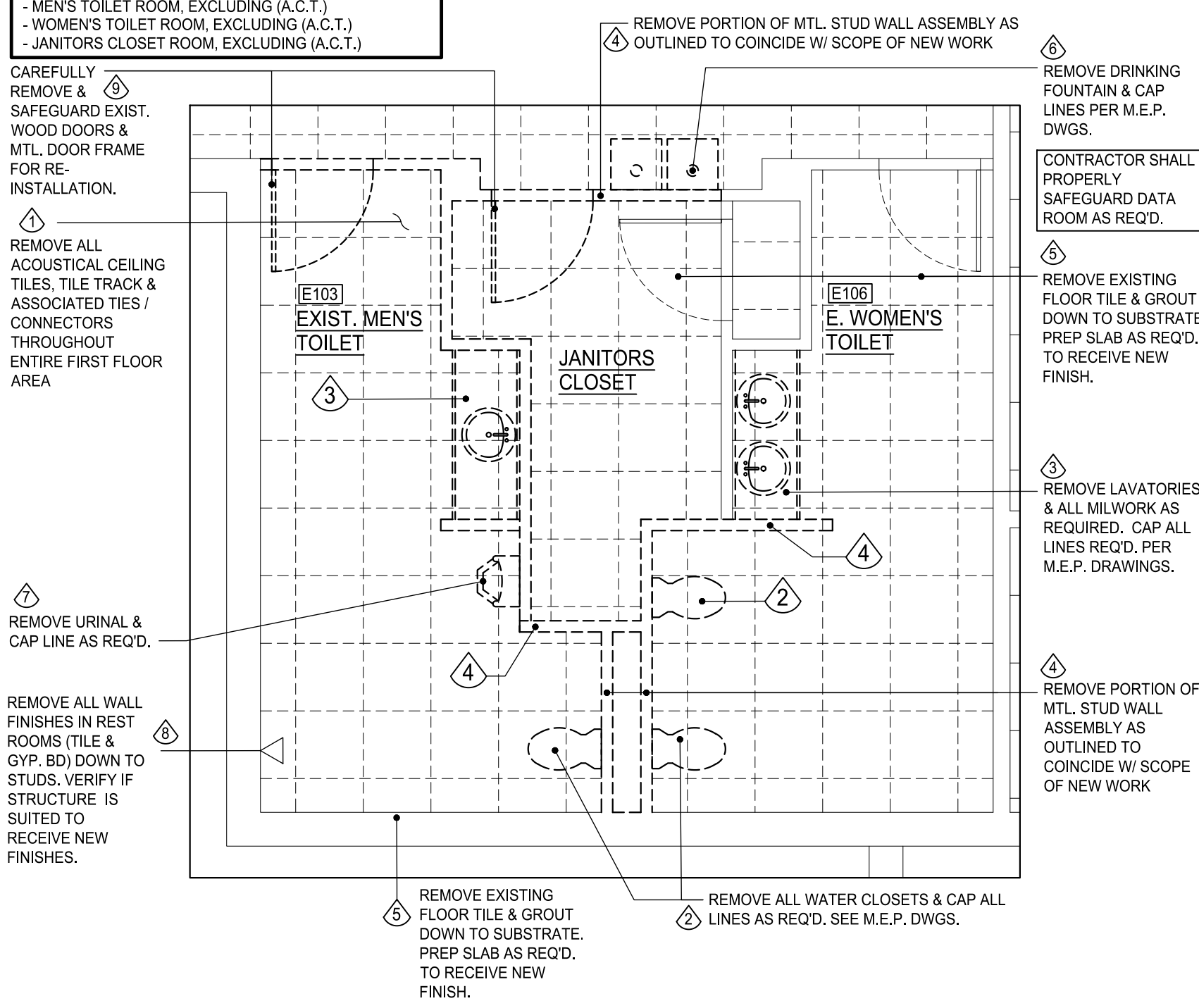
REMOVE LAVATORIES
& ALL MILLWORK AS
REQUIRED. CAP ALL
LINES REQ'D. PER
M.E.P. DRAWINGS.

REMOVE EXISTING
FLOOR TILE & GROUT
DOWN TO SUBSTRATE.
PREP SLAB AS REQ'D.
TO RECEIVE NEW
FINISH.

REMOVE ALL
MILLWORK AS
REQUIRED.

REMOVE WATER
CLOSET & CAP ALL
LINES AS REQ'D. SEE
M.E.P. DWGS.

REMOVE ALL WALL FINISHES IN REST
ROOMS (TILE & GYP. BD.) DOWN TO
STUDS. VERIFY IF STRUCTURE IS
SUITED TO RECEIVE NEW FINISHES.



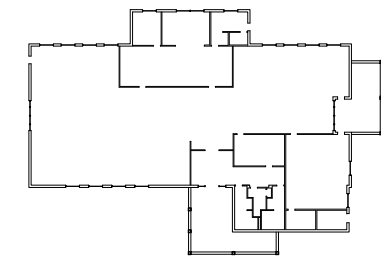
2 ENLARGED PLAN DETAIL

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

KEY PLAN:

'CORNWALL PUBLIC LIBRARY'

HUDSON ST.

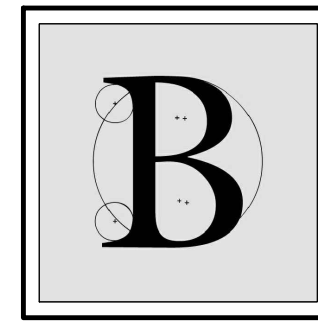


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CORNWALL PUBLIC
LIBRARY
HVAC SYSTEM
REPLACEMENT PROJECT
395 HUDSON STREET
CORNWALL, NEW YORK 12518
SED #: 44-03-01-06-6-009-006

SUB-CONSULTANT:

ENGINEER:



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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

FIRST FLOOR SELECTIVE DEMO PLAN

DATE:	DRN	CHK	DESCRIPTION
01.26.2023	BJK	BJK	CONSTRUCTION DWGS

REV.	DATE:	DRN	CHK	DESCRIPTION
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PROJECT NO.

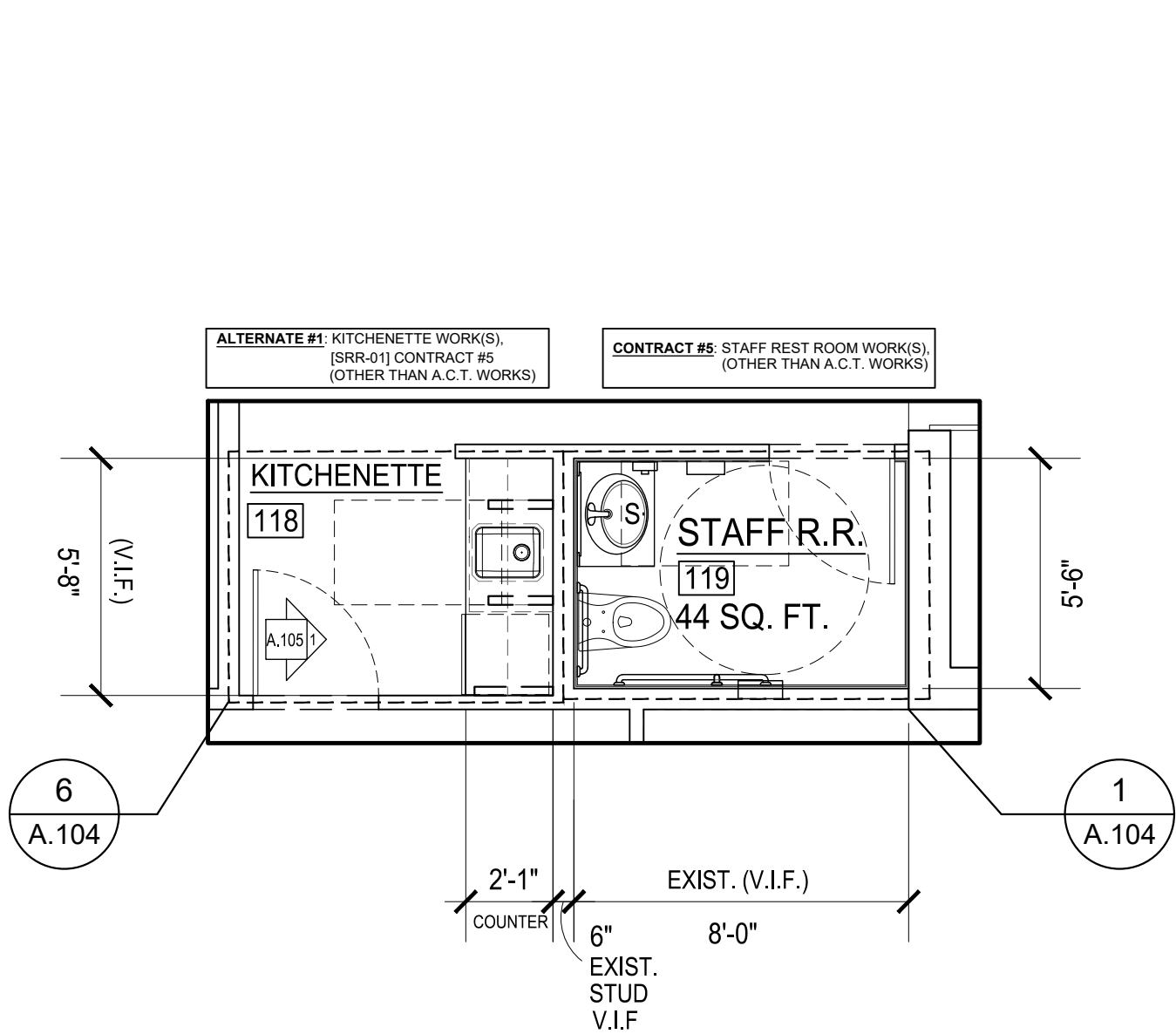
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SHEET NO.

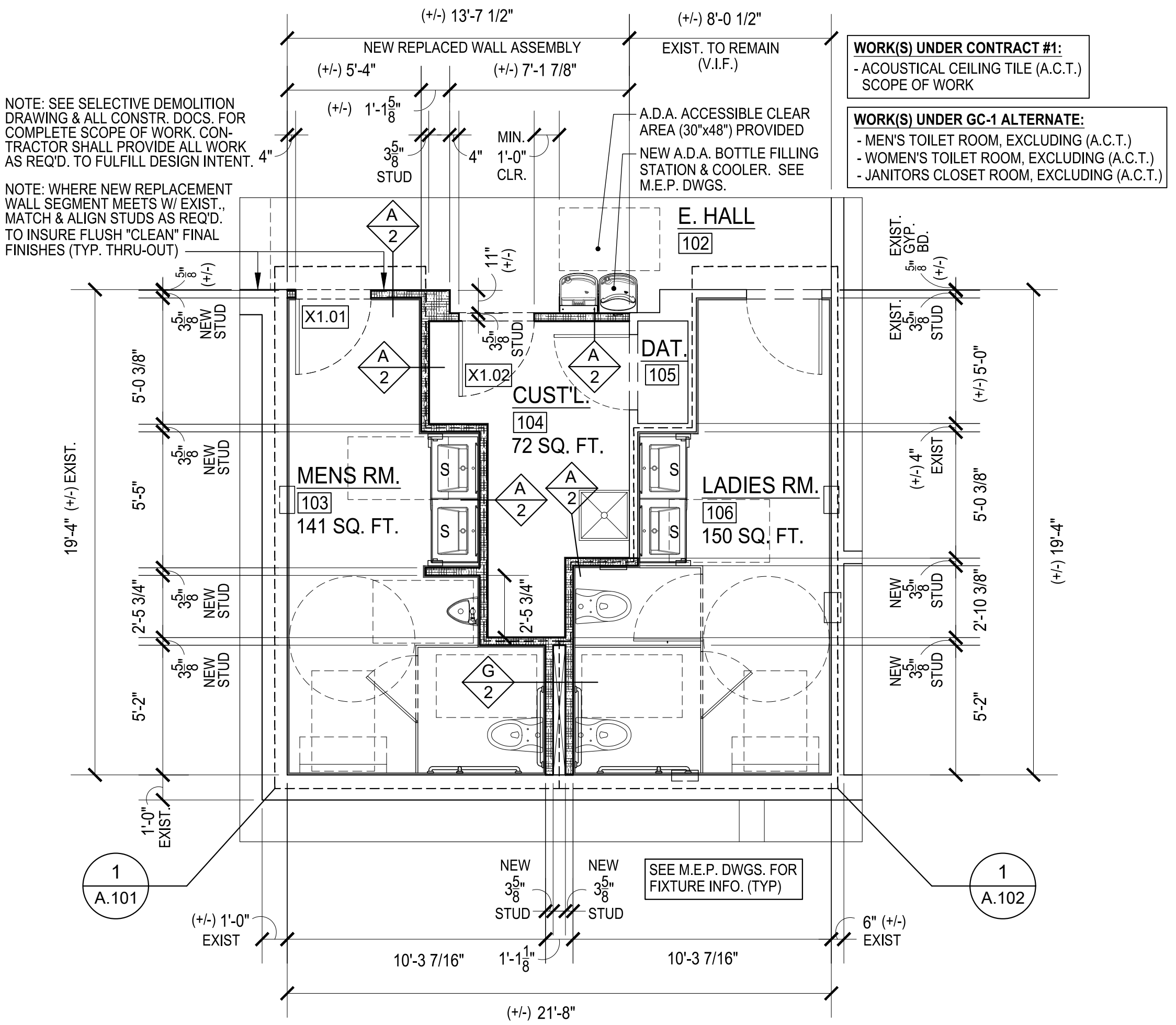
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NEW YORK STATE EDUCATION LAW.

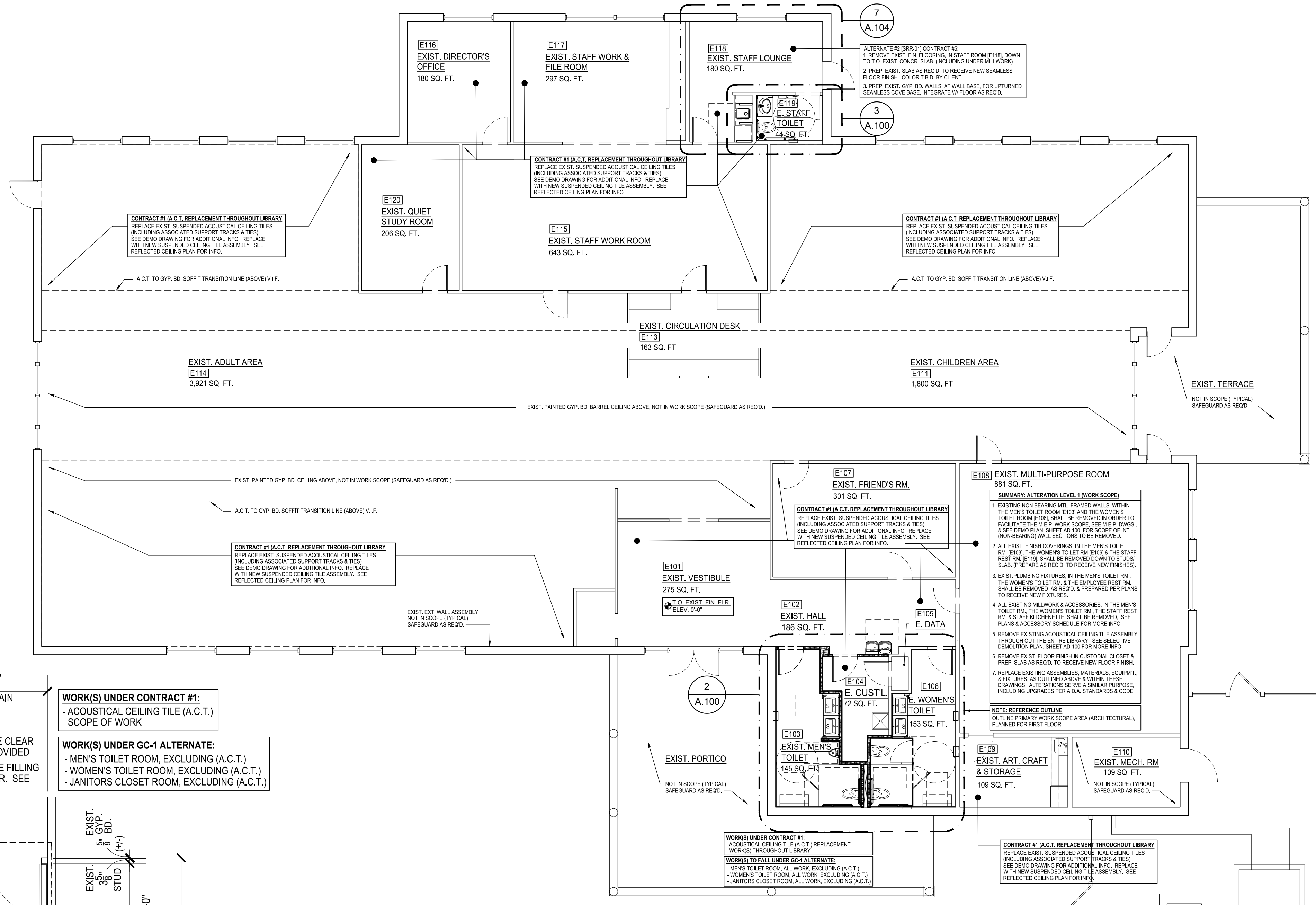
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PLAN DETAIL OF PROPOSED KITCHENETTE & RESTROOM
SCALE: 1/4" = 1'-0"



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



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

LEGEND:

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

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.

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

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

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MA - 53197 CT - 32283 FL - 85928

EXISTING FLOOR PLAN WITH RESTROOM ALTERATION

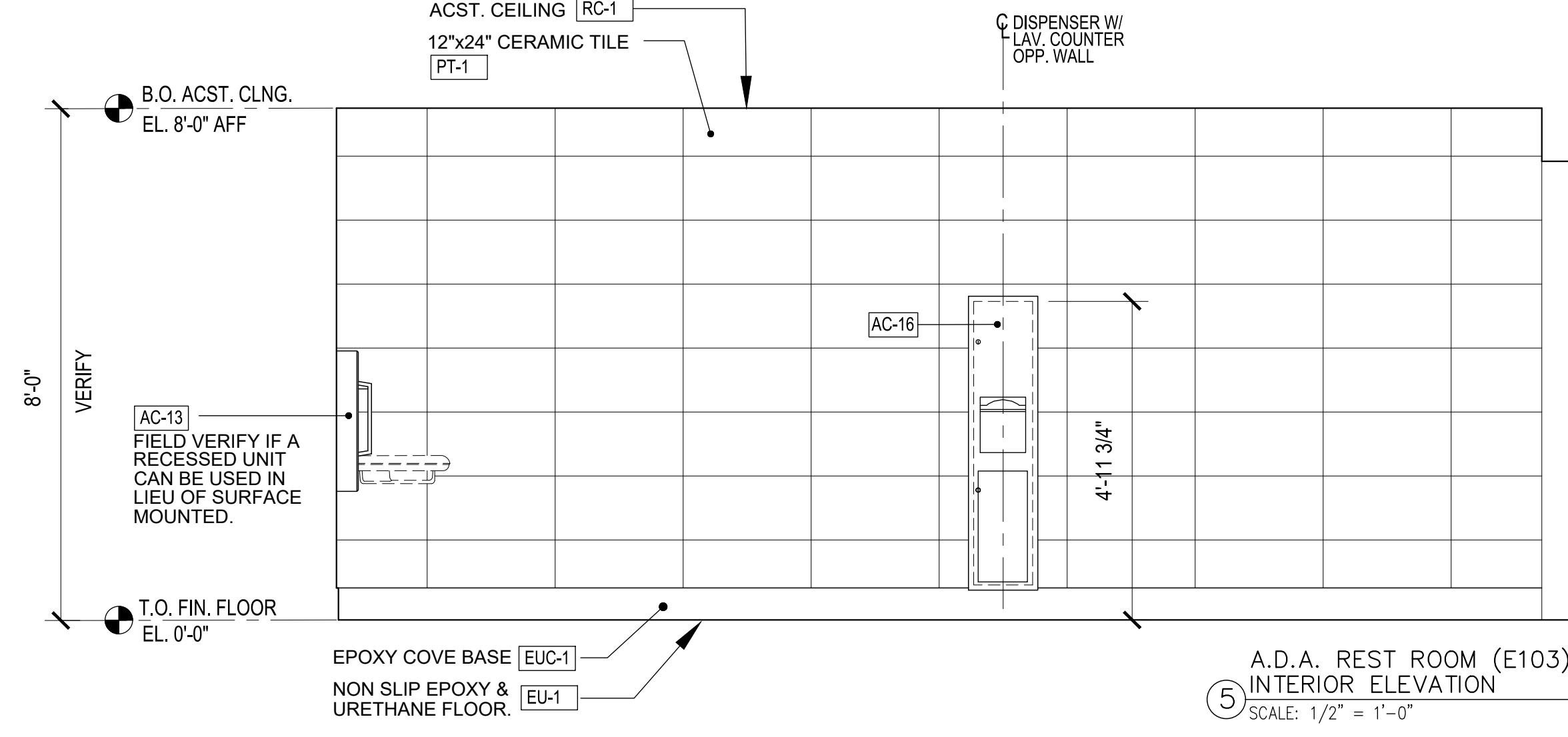
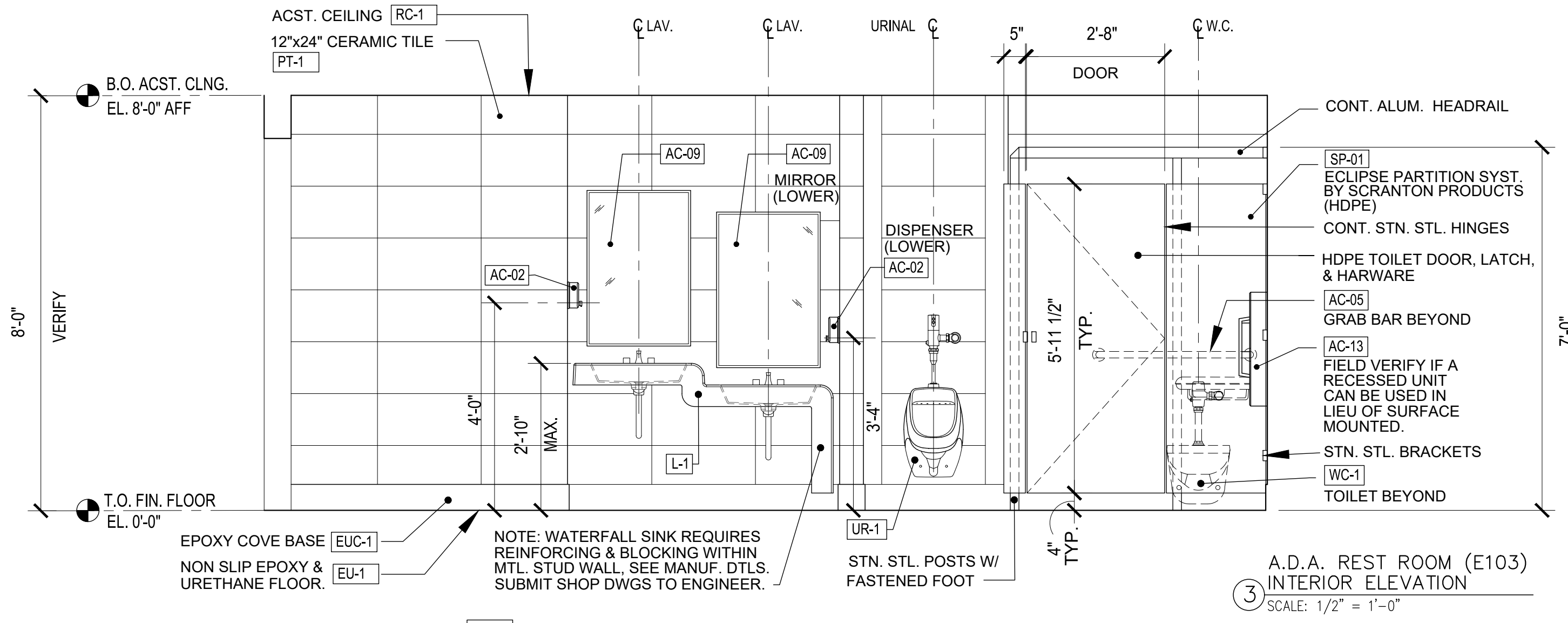
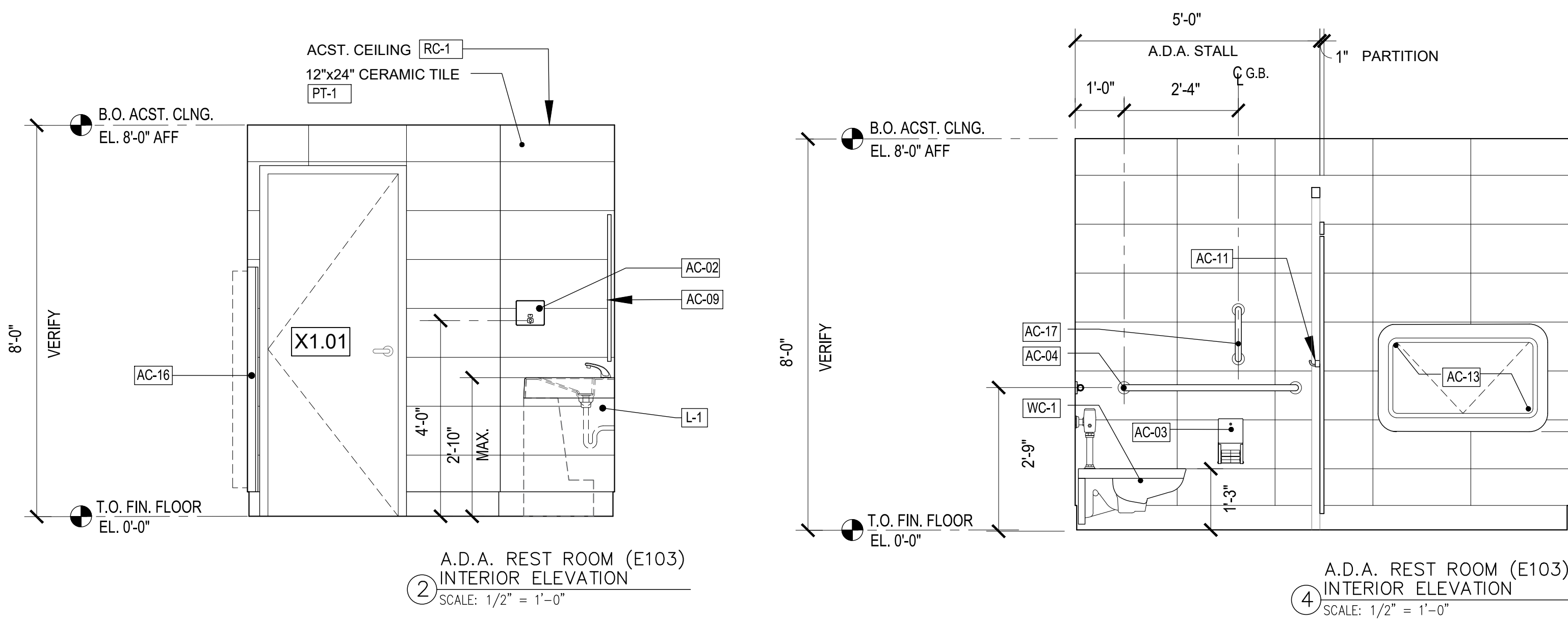
DATE:	DRN	CHK	DESCRIPTION
01.26.2023	BJK	BJK	CONSTRUCTION DWGS

REV.	DATE:	DRN	CHK	DESCRIPTION
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PROJECT NO.	SHEET NO.
2150	A.100

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PLUMBING FIXTURE SCHEDULE (SEE M.E.P. DWGS. FOR ADDITIONAL & DETAILED INFO.)					
FIXTURE DESIGNATION	FIXTURE NAME	FIXTURE DESCRIPTION	FIXTURE		LOCATION
			MANUFACTURER	MODEL	
L-1	LAVATORY	SOLID SURFACE WATER-FALL SINK	SLOAN	ELWF-82000	E. MENS ROOM [E103] & E. LADIES ROOM [E106]
L-2	LAVATORY	SOLID SURFACE COUNTERTOP SINK	SLOAN	ELC-41000	E. STAFF REST RM. [E119]
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:

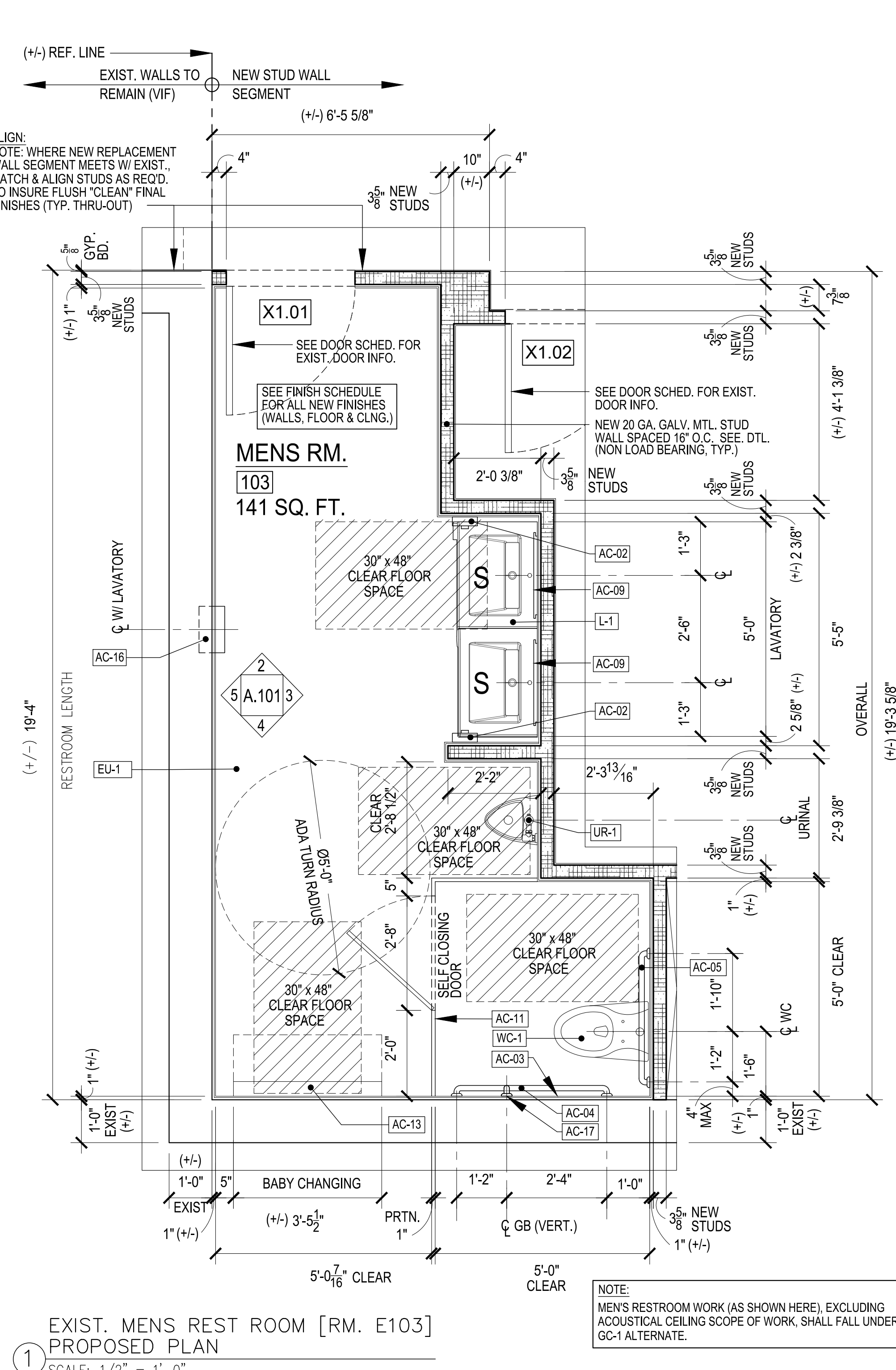
EXISTING WALLS
NEW MTL. STUD WALL W/ THERM. INSUL.
NEW MTL. STUD WALL W/ SOUND ATTEN. INSUL.

SYMBOLS:

WALL TYPE
DETAIL NO.
INTERIOR DOOR TAG
PORTABLE FIRE EXTINGUISHER

SEE WALL SCHEDULE
SEE DOOR SCHEDULE
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.	B-672	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:

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

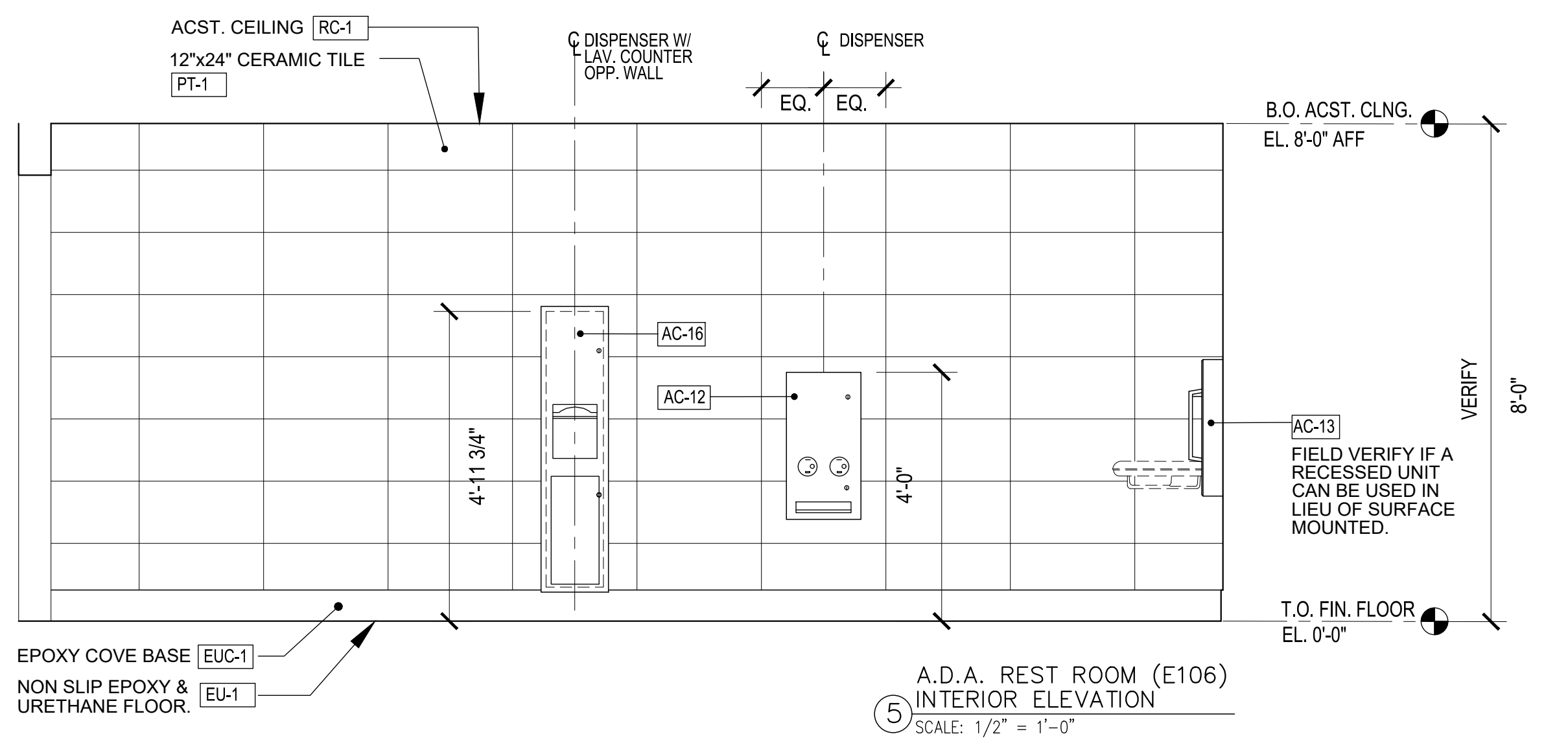
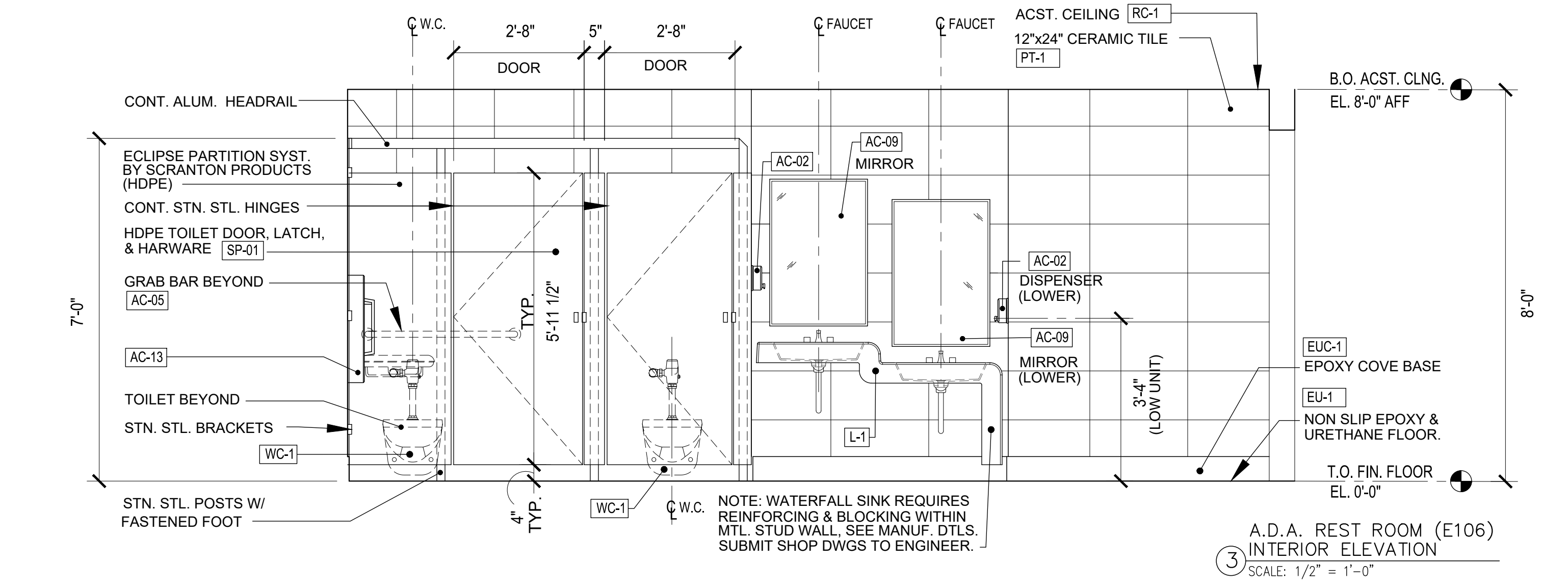
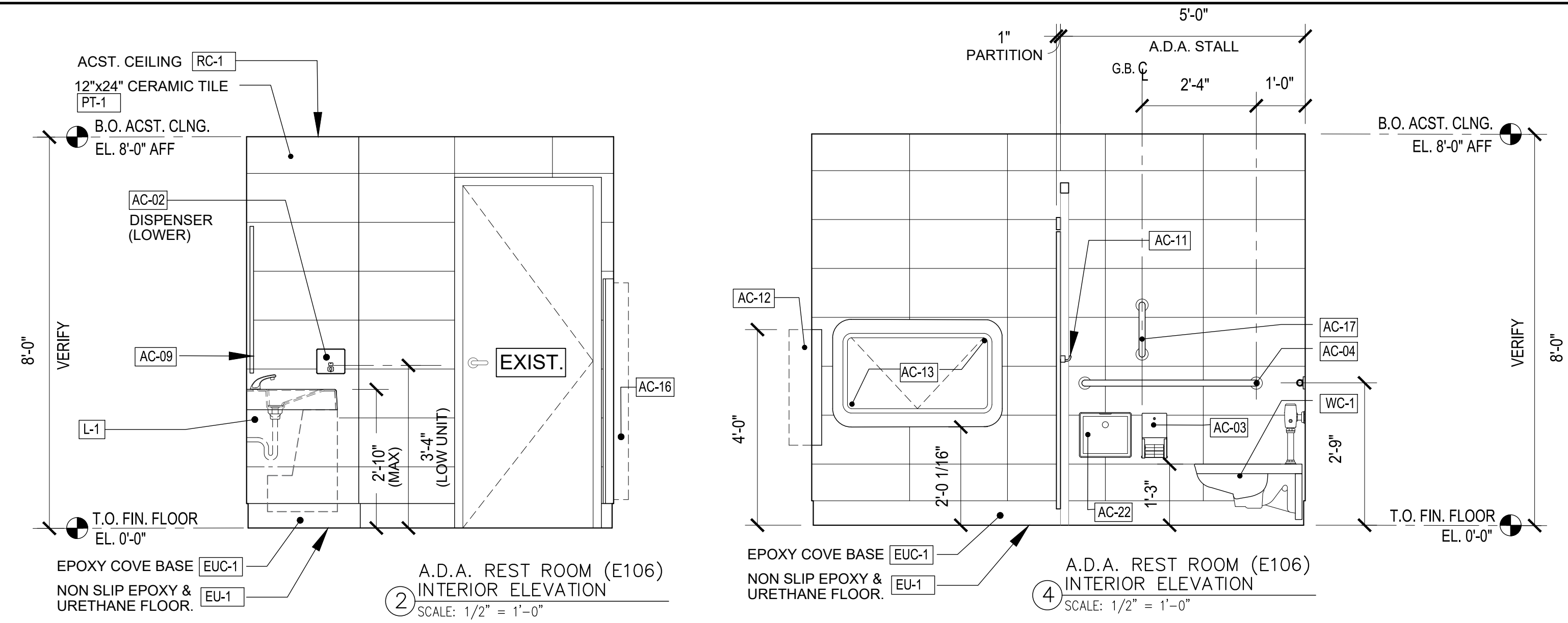
DATE: 01.26.2023 DRN: BJL CHK: BJL DESCRIPTION: CONSTRUCTION DWGS

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	LZSTLG8WSSK	EXIST. HALL [E102]	
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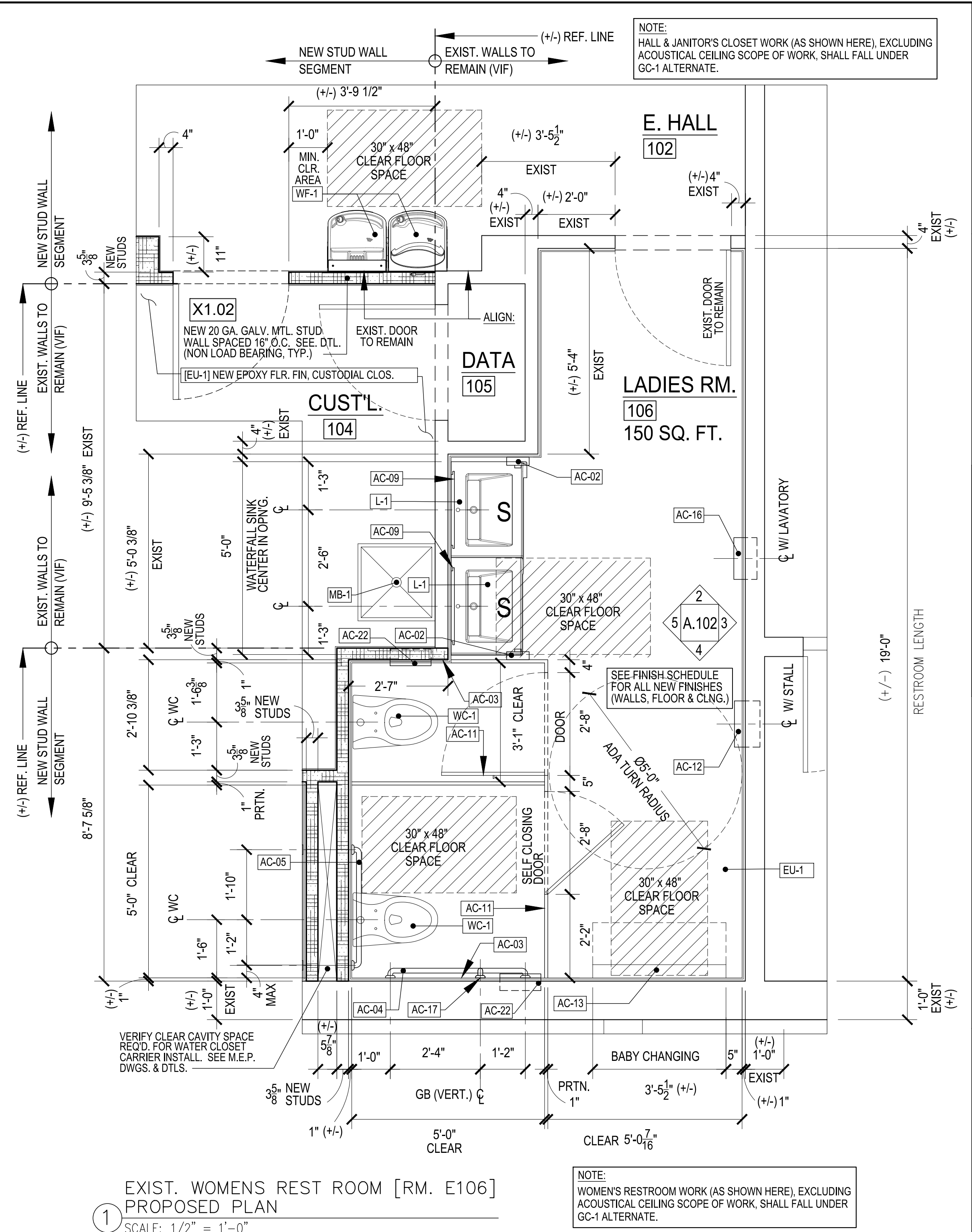
LEGEND:

- 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.



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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:

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1898 COUNTY ROUTE 1

WESTTOWN, NEW YORK 10998

TEL:845-467-9207 FAX:845-767-5050

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MA - 53197 CT - 32283 FL - 85928

WOMEN'S RESTROOM ALTERATION PLAN

DETAIL W/ INTERIOR ELEVATIONS

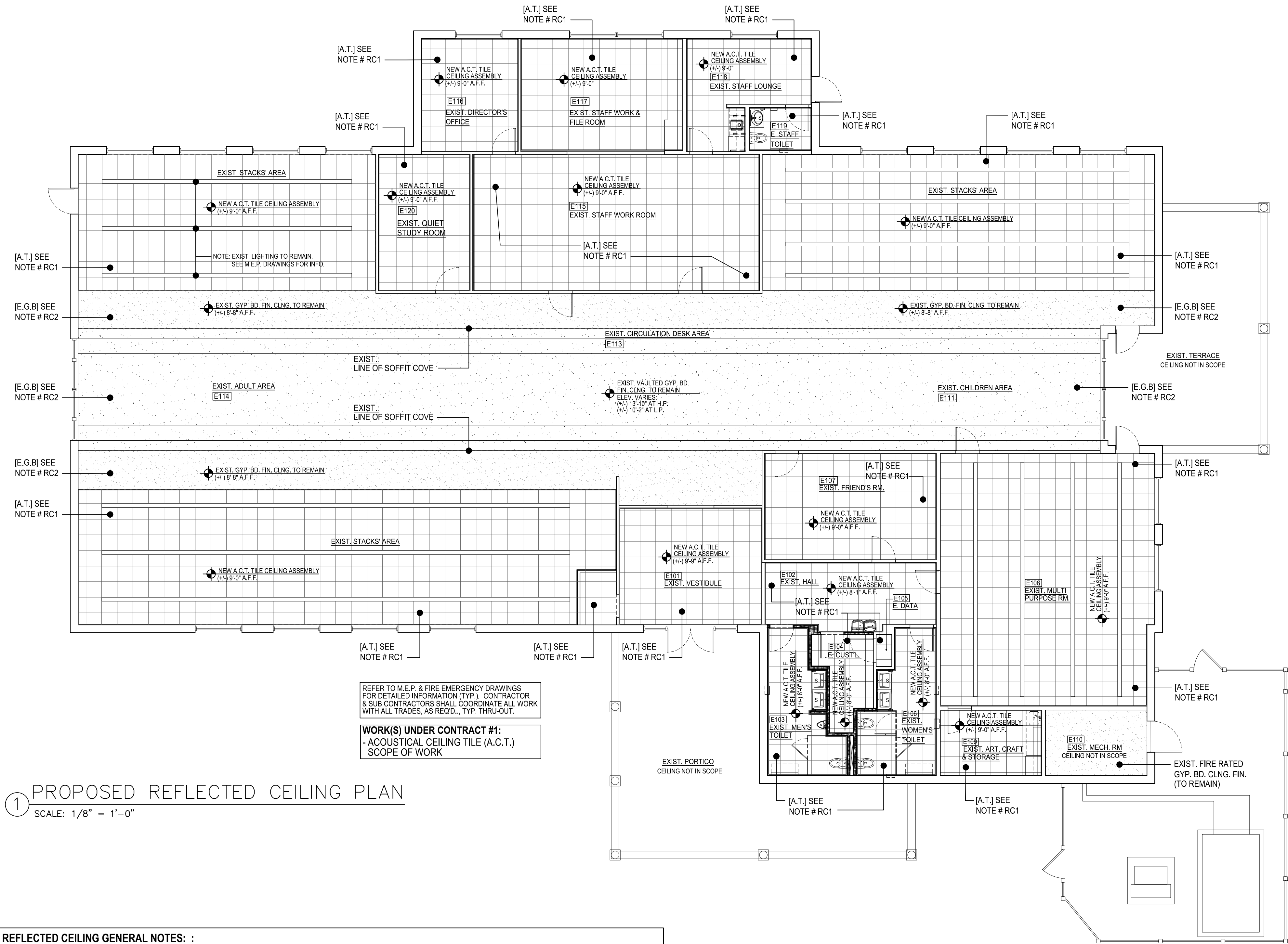
DATE:	DRN	CHK	DESCRIPTION
01.26.2023	BJK	BJK	CONSTRUCTION DWGS

REV.	DATE:	DRN	CHK	DESCRIPTION

PROJECT NO.	SHEET NO.
2150	A.102

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

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 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.

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 APPRVD 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)
- GWB 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

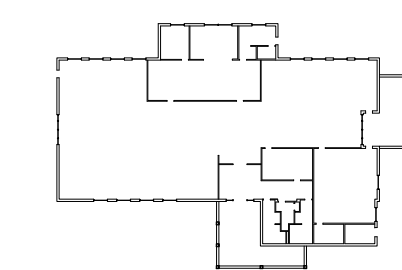
DRAWING LEGEND:

- FINISH I.D.
- DATUM
- X'-X" AFF
- ACCESS PANEL

KEY PLAN:

'CORNWALL PUBLIC LIBRARY'

HUDSON ST.

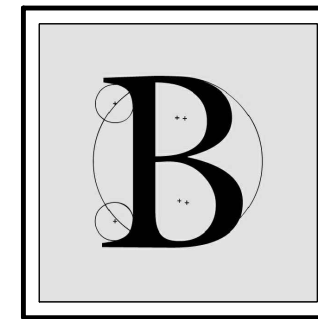


PROJECT:

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:



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

EXISTING 1ST. FLOOR AND PROPOSED REFLECTED CEILING PLAN

DATE:	DRN	CHK	DESCRIPTION
01.26.2023	BJK	BJK	CONSTRUCTION DWGS

REV.	DATE:	DRN	CHK	DESCRIPTION

REV.	DATE:	DRN	CHK	DESCRIPTION

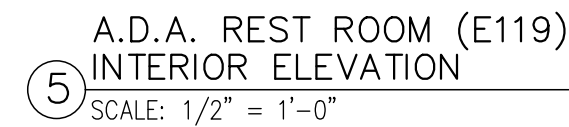
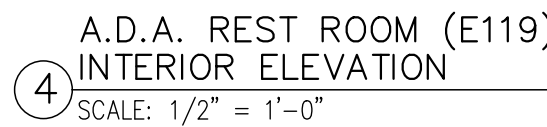
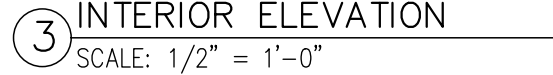
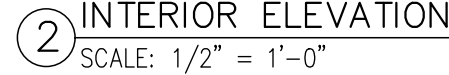
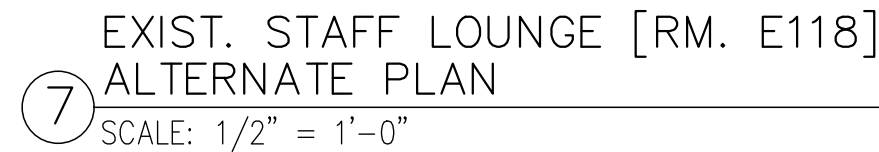
REV.	DATE:	DRN	CHK	DESCRIPTION

REV.	DATE:	DRN	CHK	DESCRIPTION

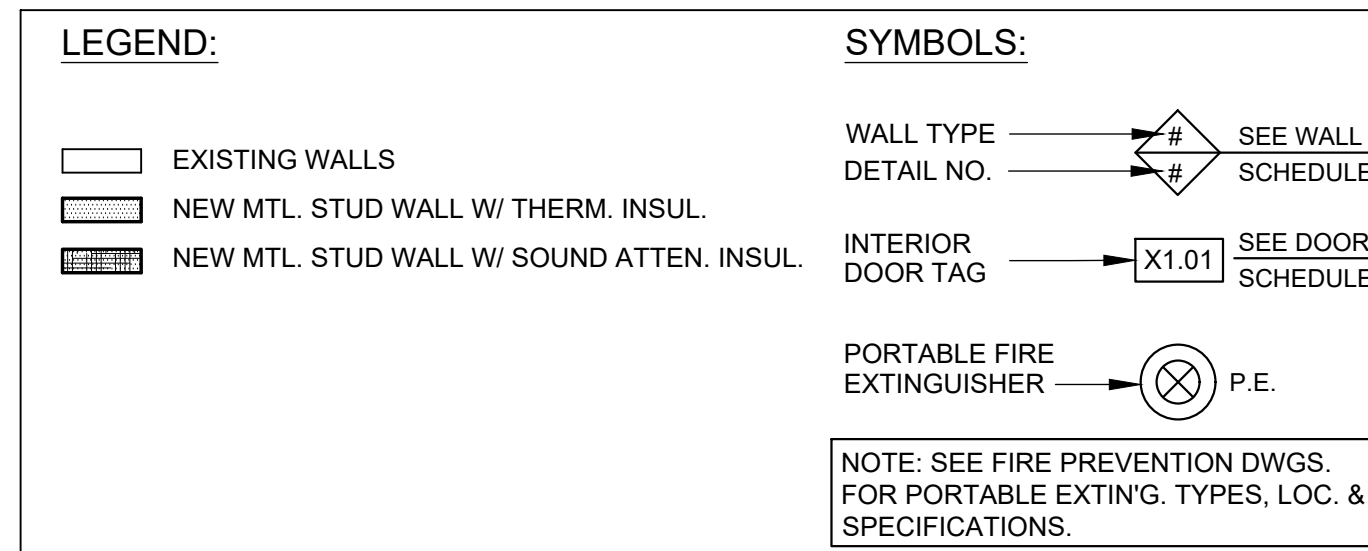
PROJECT NO.	SHEET NO.
2150	A.103

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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	ELUHD131655	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]	




TAG	PRODUCT NAME	MANUF.	MODEL #	COLOR / FINISH	REMARKS
AC-01	PAPER TOWEL DISPENSER	BOBRICK OR SIM.	B-262	STAINLESS STEEL	AUTOMATIC DISPENSER
AC-02	SOAP DISPENSER	BOBRICK OR SIM.	B-2013	STAINLESS STEEL	
AC-03	TOILET TISSUE DISPENSER	BOBRICK OR SIM.	B-4288	STAINLESS STEEL	
AC-04	GRAB BAR 42"	BOBRICK OR SIM.	B-46806X42	STAINLESS STEEL	VERIFY MIRROR WIDTH W/ CLIENT
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	VERIFY MIRROR WIDTH W/ CLIENT
AC-08	MIRROR 18"x36"	BOBRICK OR SIM.	B-290 1836	STAINLESS STEEL	
AC-09	MIRROR 24"x36"	BOBRICK OR SIM.	B-290 2436	STAINLESS STEEL	
AC-10	MIRROR 18"x60"	BOBRICK OR SIM.	B-290 1860	STAINLESS STEEL	VERIFY IF RECESSED UNIT IS AN OPTION.
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 EXIST. WALL ASSEMBLY TO INSURE ACCEPTANCE OF RECESSED ACCESSORY.
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	3K550	POLISHED CHROME	CONTRACTOR SHALL SUBMIT TECHNICAL DATA SHEETS, OF ALL FIELD VERIFIED ACCESSORIES, TO ENGINEER & CLIENT, FOR REVIEW & APPROVAL PRIOR TO PURCHASE & WORK(S). TYP.
AC-22	SANITARY NAPKIN DISPOSAL UNIT	BOBRICK OR SIM.	B-4353	STAINLESS STEEL	


KEY PLAN:

'CORNWALL PUBLIC
LIBRARY'


HUDSON ST.



TRUE NORTH



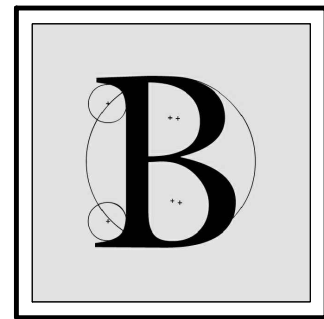
PROJECT NORTH



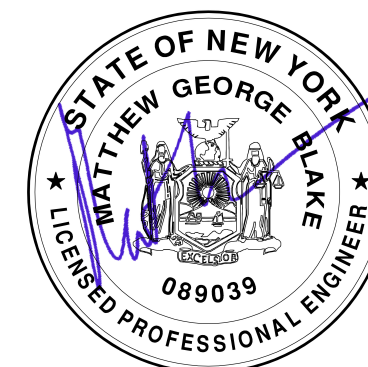
PROJECT:
CORNWALL PUBLIC
LIBRARY
HVAC SYSTEM
REPLACEMENT PROJECT
395 HUDSON STREET
CORNWALL, NEW YORK 12518
SED #: 44-03-01-06-6-009-006

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

PROJECT NO.	SHEET NO.
2150	A.104
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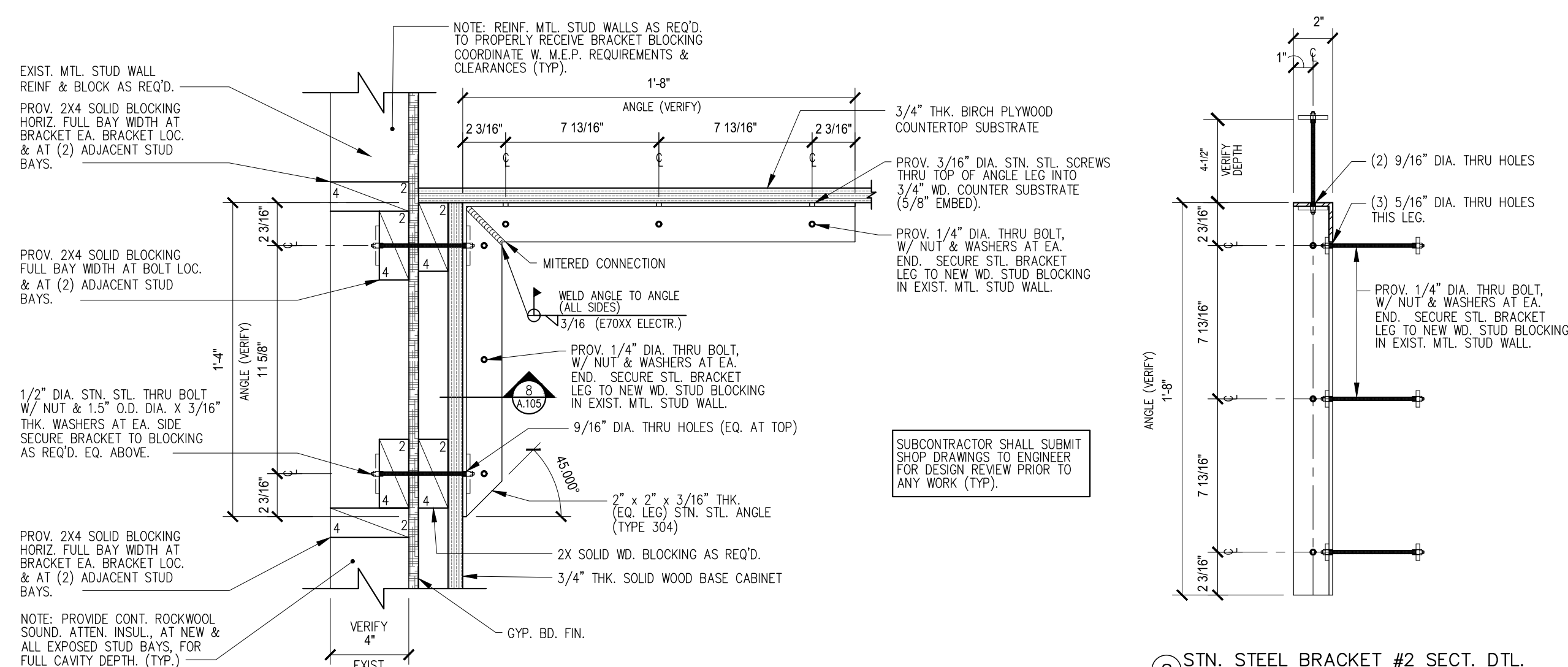
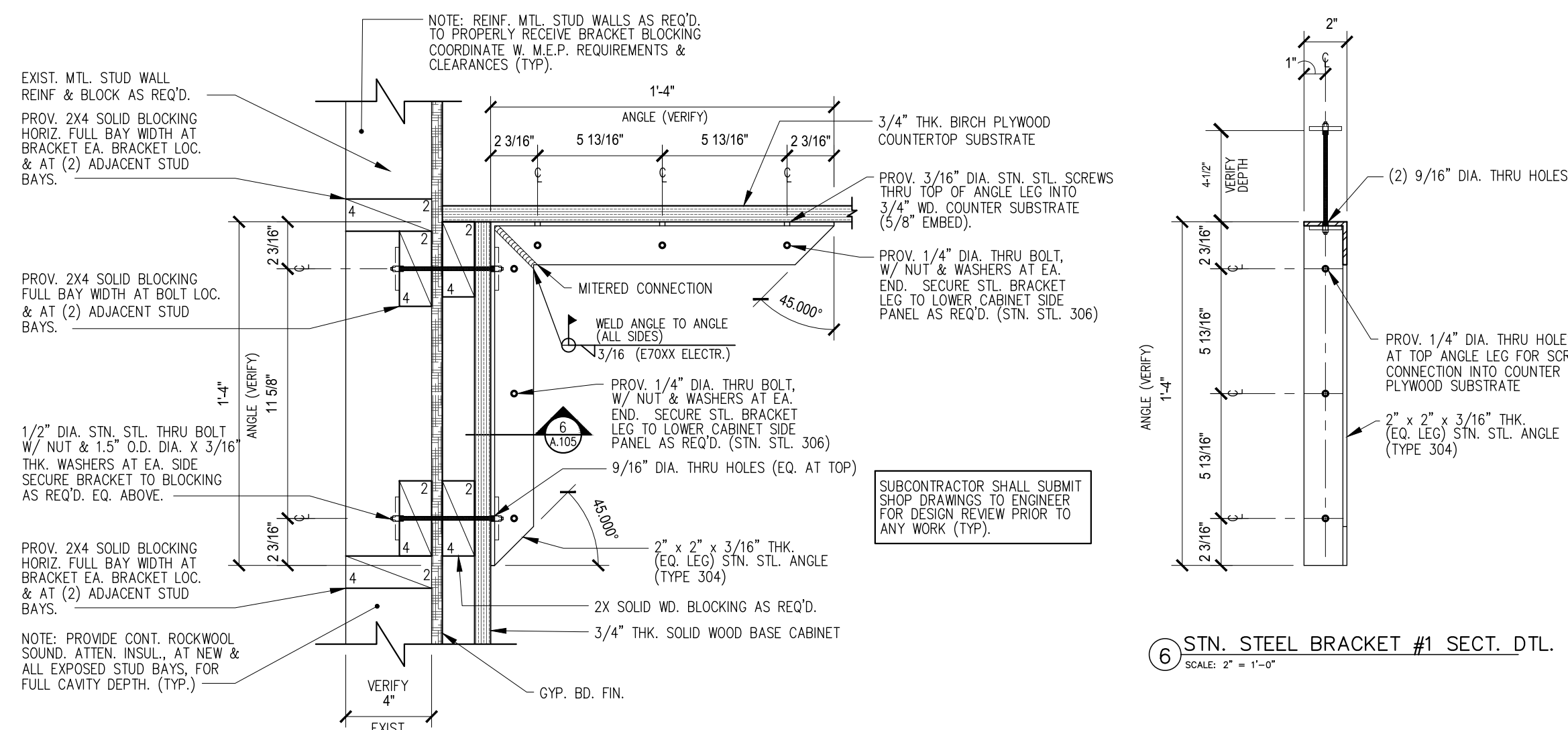
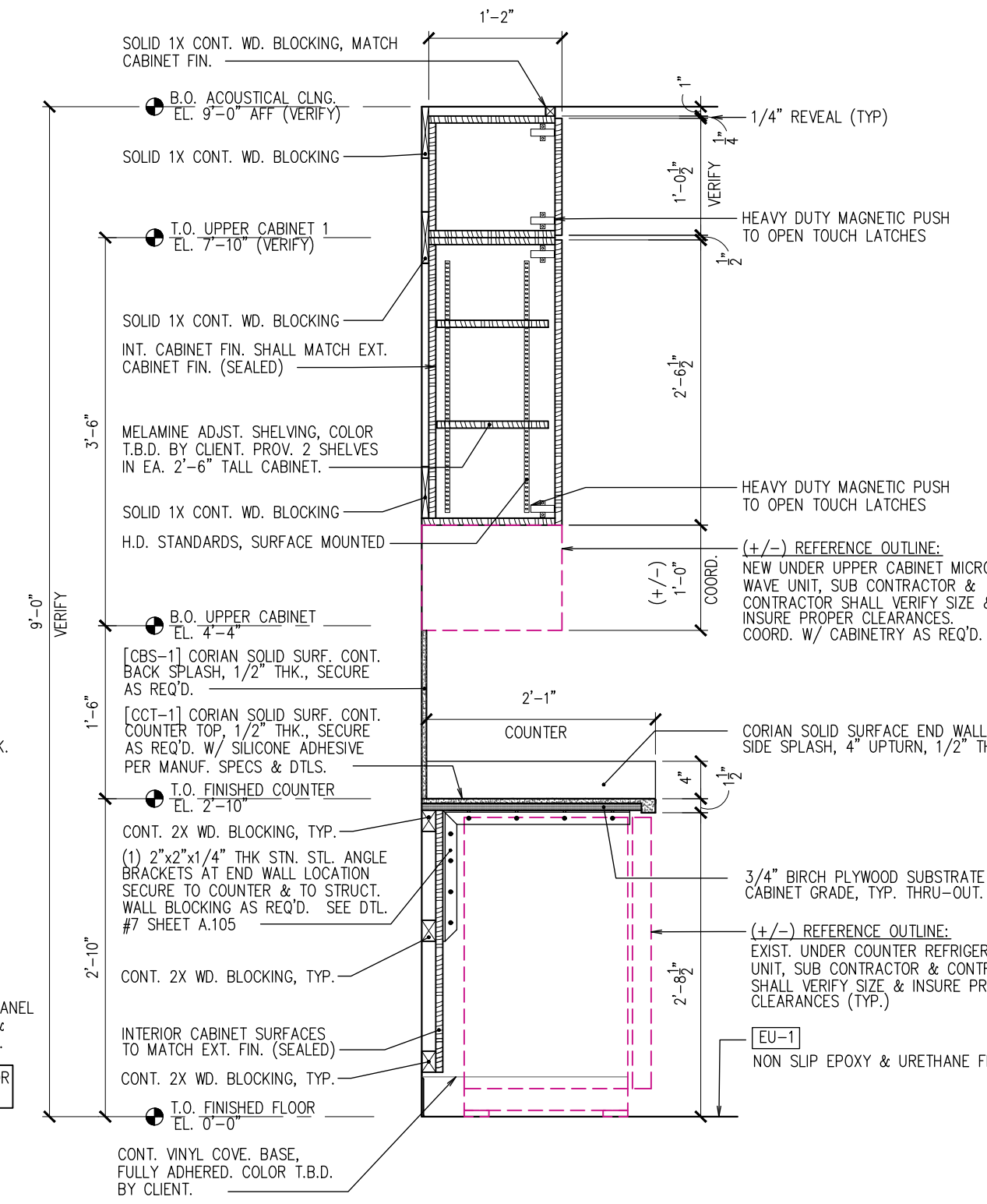
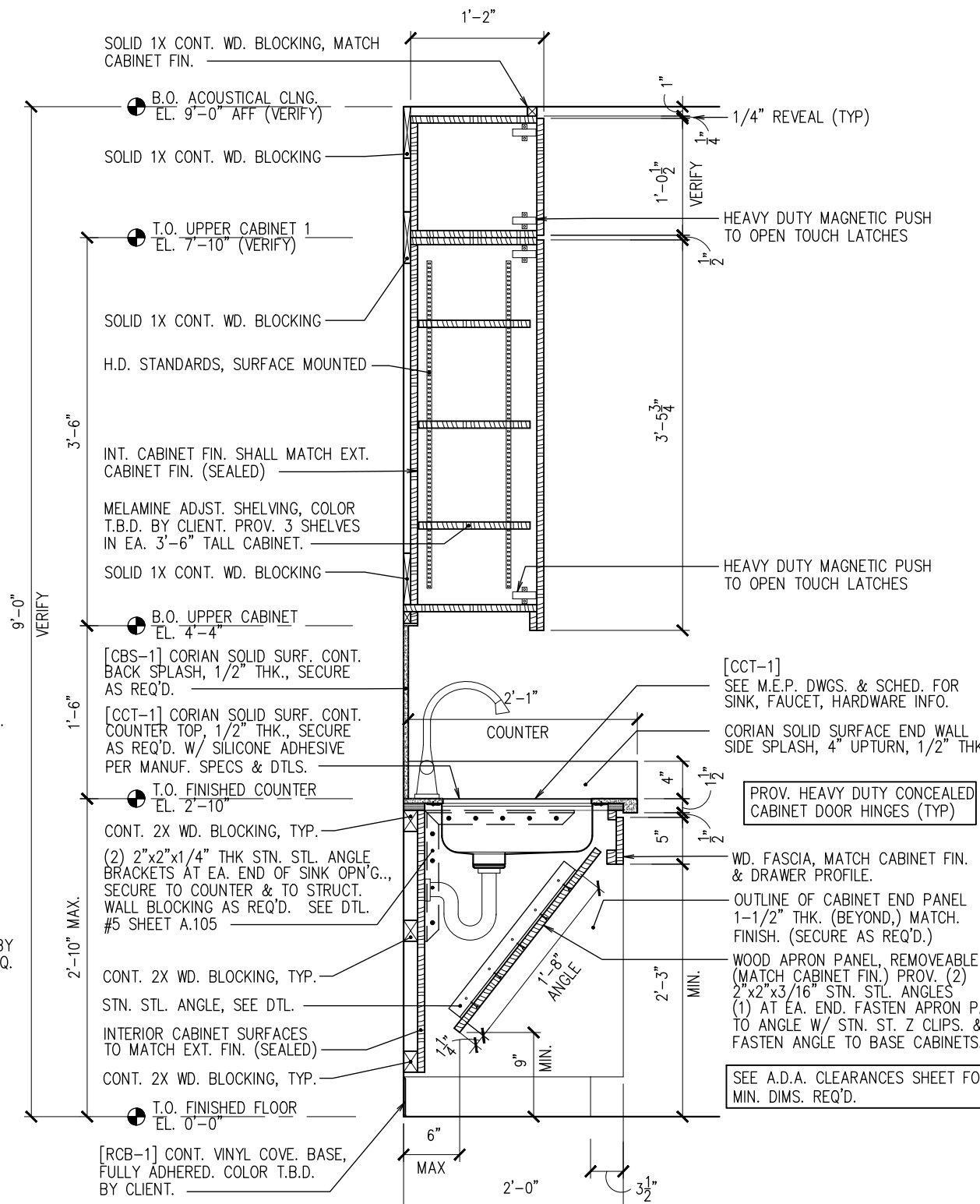
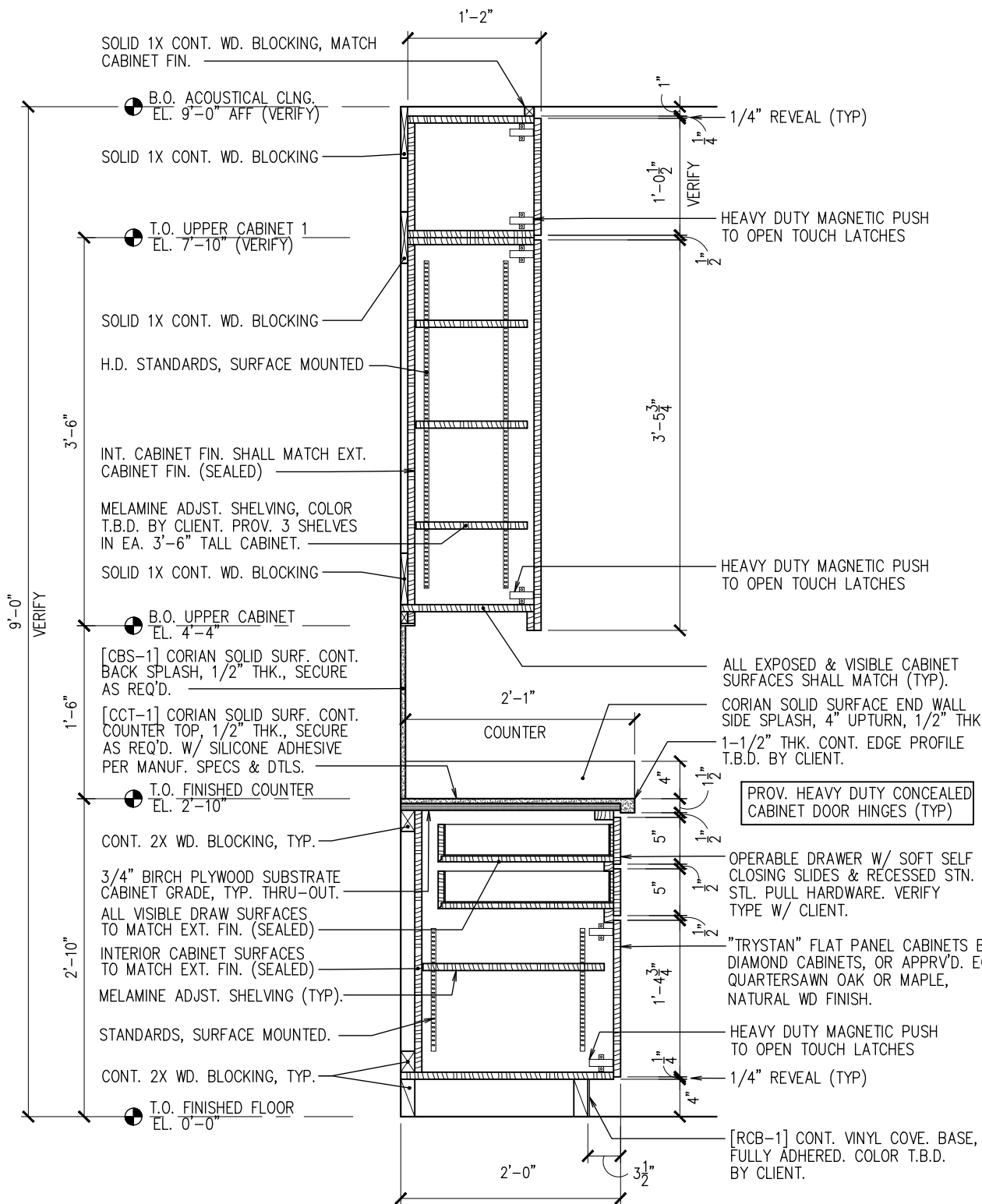
Architectural drawing of a kitchen island showing a top-down view with dimensions and annotations.

Dimensions:

- Overall width: 5'-8" VIF (+/-)
- Overall depth: 4'-0" (implied from 4' HIGH x 3-1/2" DEEP)
- Top section width: 1'-0" (left), 2'-6" (center), 2'-0" (right, +/-)
- Vertical dimensions: 1'-0" (top), 3'-6" (middle), 1'-6" (bottom section), 2'-10" (bottom section)

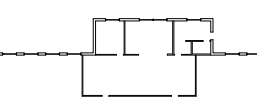
Annotations and Features:

- B.O. ACST. CLNG. EL. 9'-0" AFF**: Bottom of acoustical ceiling, 9 feet above finished floor.
- VERIFY**: Two locations indicated with arrows pointing to the top and middle sections.
- CONCEALED CABINET HINGES (TYP.)**: Indicated on the left side of the island.
- [CBS-1] BACK SPLASH SEE M.E.P. DWGS. FOR OUTLET LOC. PROV. CLEAN OPNG. IN BACKSPLASH.**: Back splash details and outlet location.
- T.O. COUNTER EL. 2'-10"**: Top of counter, 2 feet 10 inches above finished floor.
- OPERABLE DRAWERS W/ SOFT SELF CLOSING SLIDES & CONCEALED PULL HARDWARE. STN. STL. RECESSED, T.B.D. BY CLIENT.**: Details for the drawers.
- U1212, U1242, U3012, U3042, U2412, U2430**: Upper cabinet units.
- C SINK**: Location of the sink.
- U1216**: Lower cabinet unit.
- DROWER**: Two locations indicated for drawers.
- A.D.A. ACCESSIBLE**: Area designated for accessibility.
- OPEN**: Indicated for the accessibility area.
- T.O. FIN. FLOOR EL. 0'-0"**: Top of finished floor, 0 feet above finished floor.
- 4" HIGH x 3-1/2" DEEP CONT. KICK, W/ APPLIED BASE MOLDING**: Details for the base molding.
- 2 (A.105), 3 (A.105), 4 (A.105)**: Access points or doors at the bottom of the island.




'CORNWALL PUBLIC LIBRARY'


HUDSON ST.



TRUE NORTH



PROJECT NORTH



NOT VALID FOR CONSTRUCTION UNLESS
SIGNED AND SEALED BY ENGINEER

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

PROJECT NO.	SHEET NO.
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2150	A.105
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UNAUTHORIZED ALTERATION OR ADDITION TO THIS PLAN
IS A VIOLATION OF SECTION 7209, SUBDIVISION 2, OF THE
NEW YORK STATE EDUCATION LAW.

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D O O R S C H E D U L E (WITHIN WORK SCOPE ONLY)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
MARK	FLOOR LEVEL	FROM ROOM NO.	FROM ROOM NAME	TO ROOM NO.	TO ROOM NAME	DOOR SIZE			MATERIAL	DOOR	TYPE / DETAIL			FRAME MATERIAL	FIRE RATING LABEL	HARDWARE										REMARKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
						HEIGHT	WIDTH	THICKNESS			HEAD <div>SHEET A.400</div>	JAMB <div>SHEET A.400</div>	THRESH. (A.D.A.)			A.D.A.	HINGES	LOCK	DEAD BOLT	CLOSER	STOPS	ALARM	PLATES	PANIC	KEY TYPE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
X1.01	FIRST FLOOR	E102	EXISTING HALL	E103	EXIST. MENS RM.	7'-0"	3'-0"	0'-1-3/4"	WOOD DOOR	VIF	H1	J1	MARBLE	HOLLOW MTL.	---	<div>●</div>	<div>●</div>	---	---	<div>●</div>	<div>●</div>	---	<div>●</div>	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---</

1

NON-RATED PARTITION TYPE "A"

SCALE: N.T.S.

NOTE:

PROV. GLASS MAT GYP. BD.,
USG DUROCK GLASS-MAT TILE
BACKER BD. OR APPRV'D. EQ.
AT ALL LOCATIONS RECEIVING
TILE, STONE, & AREAS PRONE
TO MOIST CONDITIONS. (TYP.).

PLAN

SECTION AT HEAD

SECTION AT BASE

2

DOUBLE STUD (CHASE)
NON RATED, TYPE "G"

SCALE: N.T.S.

1-1/2" x 16 GA. COLD ROLLED
CHANNEL BRIDGING W/ L SERIES
CLIP ANGLE SPACED 6'-0" VERT.
BOTH STUD WALLS

PLAN

SECTION AT HEAD

SECTION AT BASE

WALL TYPE	STUD SIZE	OVERALL DIMENSIONS	ACOUSTIC RATING STC	GAUGE (GA.)	5 PSF L/360 LIMITING HEIGHTS	
					12" O.C. SPACING	16" O.C. SPACING
A1	2-1/2"	3-3/4"	45-49	20	14'-9"	13'-5"
A2	3-5/8"	4-5/8"	45-49	20	18'-5"	16'-9"
A3	4"	5"	45-49	20	20'-1"	18'-3"

PARTITION SCHEDULE GENERAL NOTES

1. THE NOTED "LIMITING HEIGHTS" OF PARTITIONS, AS OUTLINED ABOVE, IS A GENERAL GUIDELINE BASED ON INDUSTRY STANDARDS. CONTRACTOR & SUBS SHALL REFER TO MANUFACTURER SPECS., DETAILS, & DATA TO CONFIRM THAT ALL STUDS & ASSEMBLIES MEET THE LOAD & DESIGN PARAMETERS FOR THE BUILDING.

A. GYP. BOARD SHAFT ASSEMBLIES AT ELEVATOR LOCATIONS MUST WITHSTAND A LATERAL LOADING OF 10 LBS. PER SQ. FT. W/ DEFLECTION LIMITED TO L/240 OF THE PARTITION HEIGHT.

B. STANDARD GYP. BOARD ASSEMBLIES MUST WITHSTAND A LATERAL LOADING OF 5 LBS. PER SQ. FT. W/ DEFLECTION LIMITED TO L/360 OF THE PARTITION HEIGHT.

C. GYP. BOARD ASSEMBLIES AT TILE FINISHES MUST HAVE A MIN. DEFLECTION LIMIT OF L/360.

2. PROVIDE MOLD & WATER RESISTANT GYP. BOARD (COMPLETE ASSEMBLY) AT ALL "WET" LOCATIONS. INCLUDING BUT NOT LIMITED TO: BATHROOMS, LOCKER ROOMS, TOILET ROOMS, JANITOR CLOSETS, BREAK ROOM SINK LOCATIONS, EXT. STORAGE CLOSETS, ETC.

3. PROVIDE CEMENTITIOUS BACKER BOARD AT LOCATIONS TO RECEIVE TILE.

4. ALL TYPE "C" (1/2") THK. GYP. BD. IS BASED ON USG FIRECODE "C" SIGNIFIES IT MEETS ASTM C1396 REQUIREMENTS OR APPROVED EQUAL.

5. WHERE FIRE RATED PARTITIONS PASS OR MEET NON RATED PARTITIONS, THE RATED ASSEMBLY MUST BE CONTINUOUSLY MAINTAINED AS REQUIRED.

6. PARTITION FRAMING AND FURRING MEMBERS: ASTM C645, 20 GA. (MIN.) BASE METAL THICKNESS.

7. BOTTOM TRACK OF ALL STUD WALL ASSEMBLIES SHALL BE SECURED TO SLAB & MUST MATCH THE GAUGE OF THE STUD (UNLESS NOTED OTHERWISE ON THE DETAILS).

8. CONTRACTOR SHALL PROVIDE A STUD SPACING OF 12" O.C. AT ALL KITCHEN CABINET LOCATIONS AND AT ALL ELECTRICAL PANEL LOCATIONS.

9. PROVIDE CONT. WOOD OR MTL. BACKER BOARD (DANBACK FLEXIBLE WOOD BACKING, OR EQ.) AT ALL KITCHEN CABINET LOCATIONS, HANDRAIL GRAB BAR LOCATIONS, BASE MOLDING LOCATIONS, ETC. WHERE ITEMS WILL BE SUPPORTED ON GYP. BOARD PARTITIONS.

10. CONTRACTOR SHALL INSTALL ALL METAL STUD FRAMING PER MANUF. DETAILS & SPECS. & PER ARCHITECTURAL & STRUCTURAL DETAILS.

11. CONTRACTOR SHALL PROVIDE SNAPPED CHALK LINES OUTLINING THE PROPOSED BOT. TRACKS LOCATIONS FOR OWNER & ENGINEER REVIEW PRIOR TO CUTTING OR LAYING ANY WALLS (TYP.).

12. ALL INTERIOR WALL ASSEMBLIES SHALL HAVE A DEEP TOP LEG TRACK (OR APPRV'D EQ.) FOR DEFLECTION PURPOSES. STUDS SHALL BE SECURED AS REQUIRED PER MANUF. DETAILS (FREE OF DEFLECTION).

13. RATED PARTITIONS MUST TERMINATE AT THE RATED CEILING & FLOOR CONSTRUCTS, INSTALL PER MANUF. & ARCHITECTURAL DETAILS.

14. FOR NON LOAD BEARING WALLS THAT MEET UNDERSIDE OF MTL. DECK OR UNDERSIDE OF STRUCT. STL. ABOVE, PROVIDE DEFLECTION TRACK W/ STUDS TO ALLOW 1" MIN. DEFLECTION WITHOUT TRANSFERRING LOAD TO MTL. STUDS.

15. HOLD BOTTOM OF G.W.B. 3/8" ABOVE CONCR. FLOOR (TYP.)

16. PROVIDE FIRE RATED SEALANT AT TOP OF FIRE RATED WALLS THAT SEAL TO UNDERSIDE OF STRUCTURE. (I.E., BETWEEN MTL. DECK FLUTES)

17. PROVIDE HORIZONTAL STIFFENERS AT PARTITIONS OVER 8'-0" IN HEIGHT.

18. SOUND ATTENUATION INSUL SHALL BE ROXUL SAFE & SOUND BLANKETS, FRICTION FIT, NO GAPS.

LEGEND	
SCHEDULE ABBREVIATION LEGEND:	
TAG:	DESCRIPTION
G.B.	GYPSUM BOARD (SEE NOTES)
GMGB.	GLASS MAT WATER RESIST GYP.BD.
G.M	GALV. METAL STUDS
CONC.	CONCRETE (REINFORCED: CAST IN PLACE)
C.M.D.	CORRUGATED METAL DECK
A.C.T.	ACOUSTICAL CEILING TILE (SUSPENDED AND / OR FASTENED)
T.T.S.	TILE OVER THINSET
PNTD.	PAINTED: SKIM COATED G.B., 1 COAT PRIMER, 2 COATS PAINT
T.B.D.	TO BE DETERMINED
EXIST.	EXISTING
A.D.A.	AMERICANS W/ DISABILITIES ACT
N.I.S.	NOT IN SCOPE
EPOXY	SEAMLESS EPOXY FLOOR, SEE DWGS.

5"

VERIFY WALL ASSEMB. 4"

FIELD STUD

SEE FIN. SCHED. & WALL DETAILS FOR FIN. TYPE.

GALV. MTL. HEADER/ TRACK W/ (1) JACK + (1) KING STUD

INSTAL PER MANUF. DTLS.

GALV. MTL. ANCHOR CLIP

CONT. SEALANT. (TYP.)

SPOT GROUT

16. GA. HOLLOW MTL. DOOR

SEE DOOR SCHED. & PLAN DWGS. FOR DOOR INFO (TYP.)

EQ.

EQ.

6"

5/8" x 2"

PROV. FIRE RATED ASSEMB. WHERE REQ'D. SEE PLANS & SCHED.

NOTE: VERIFY EXIST. WALL ASSEMB. IN FIELD, MATCH STUDS & GYP. BD. WHERE REQ'D. TO INSURE CLEAN FLUSH FINISHES. TYP. THRU-OUT.

[H-1] HEAD DETAIL
NON LOAD BEARING

H1

SCALE: 1" = 1'-0"

2" x 5/8"

GALV. MTL. JAMB ANCHOR CLIP

GALV. MTL. STUD WALL JAMB

(1) JACK + (1) KING STUD

SEE FIN. SCHED. & WALL DETAILS FOR FIN. TYPE.

CONT. SEALANT. (TYP.)

SPOT GROUT

16. GA. HOLLOW MTL. DOOR FLUSH FRAMED, EQ. RABBIT

EQ.

EQ.

6"

PROV. FIRE RATED ASSEMB. WHERE REQ'D. SEE PLANS & SCHED.

[J-1] JAMB DETAIL
NON LOAD BEARING

J1

SCALE: 1" = 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:

B

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MA - 53197 CT - 32283 FL - 85928

DOOR, WALL TYPE & FINISH SCHEDULES
W/ NOTES + DETAILS

DATE:	DRN	CHK	DESCRIPTION
01.26.2023	BJK	BJK	CONSTRUCTION DWGS

REV.	DATE:	DRN	CHK	DESCRIPTION

PROJECT NO.	SHEET NO.
2150	A.400

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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

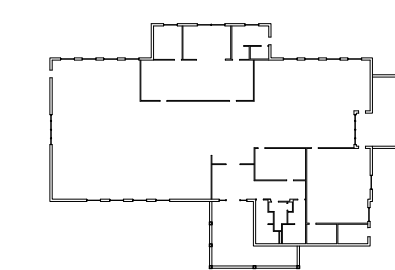
SP-1:	TOILET PARTITION ASSEMBLY
MANUF:	SCRANTON PRODUCTS OR APPRV'D. EQ.
DESCRIPTION:	ECLIPSE 72 INCH EXTRA HIGH (FULL PRIVACY)
MATERIAL:	HDPE PANELS & DOORS, STN. STL. CONT HINGES, BRACKETS & STANCHIONS.
COLOR:	SHALE
NOTES:	PROV. OCCUPANCY LATCH INDICATOR

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'

HUDSON ST.



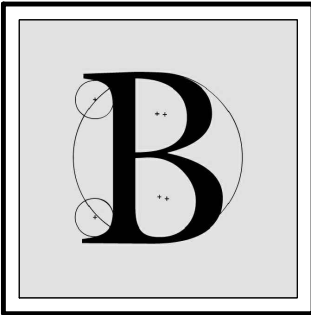
PROJECT:

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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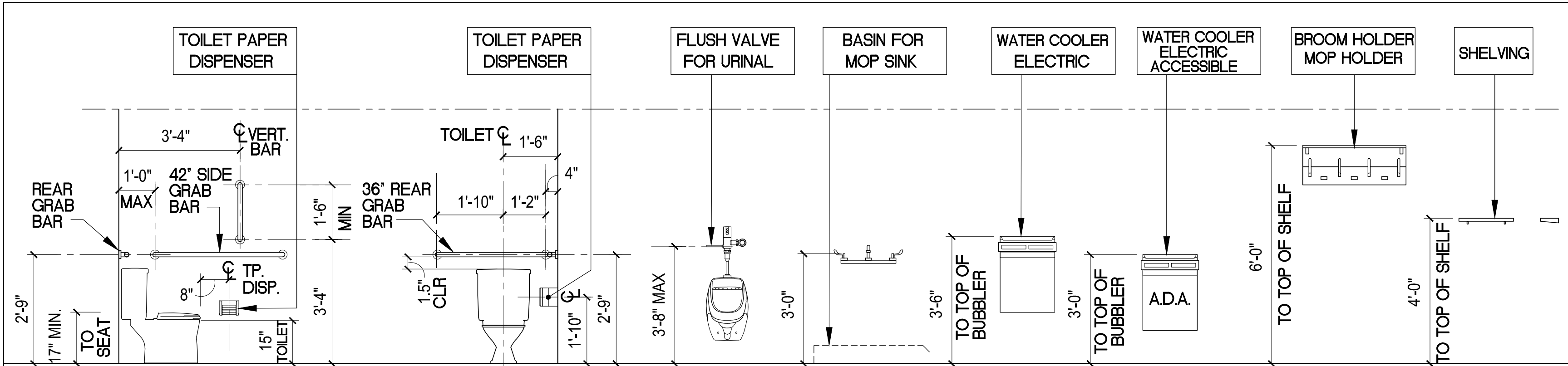
FINISH MATERIAL LEGEND

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

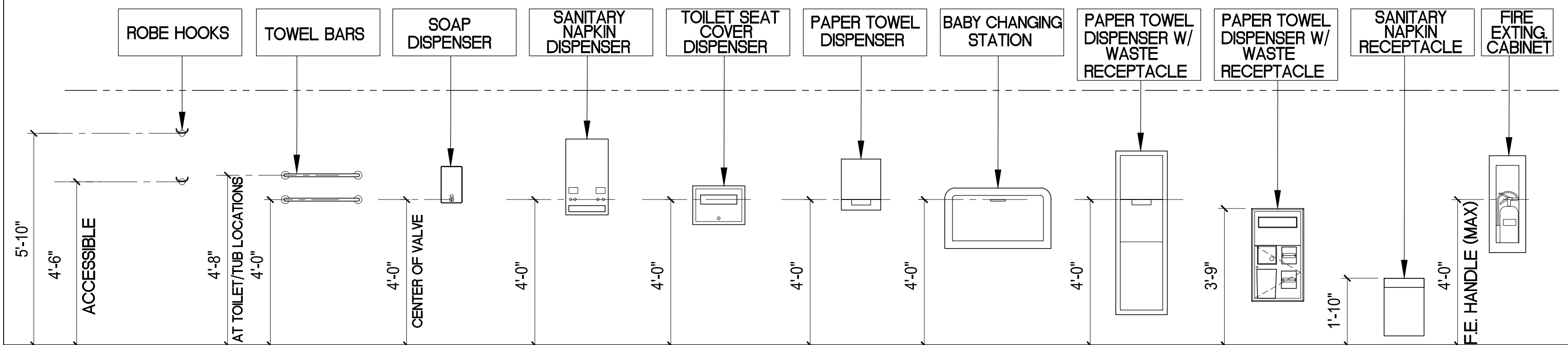
PROJECT NO.	SHEET NO.
2150	A.401

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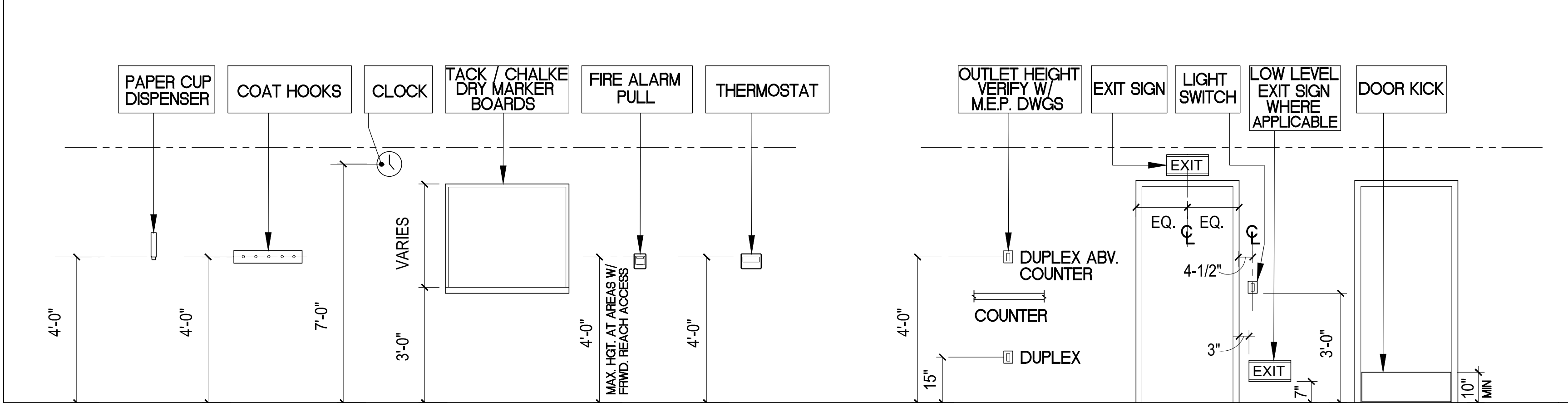
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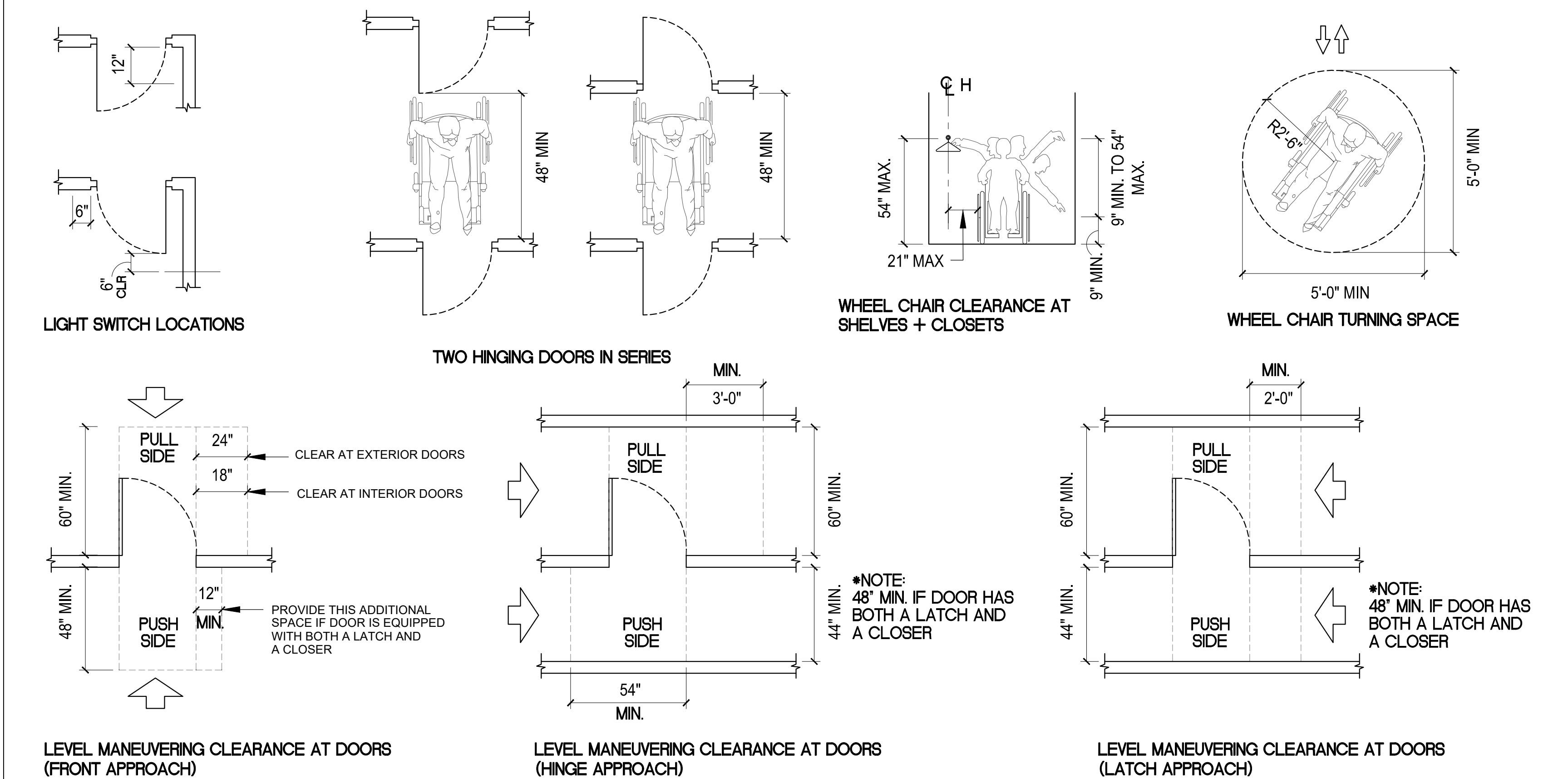
1 ACCESSIBILITY STANDARDS
(ANSI) MOUNTING HEIGHTS FOR ACCESSORIES



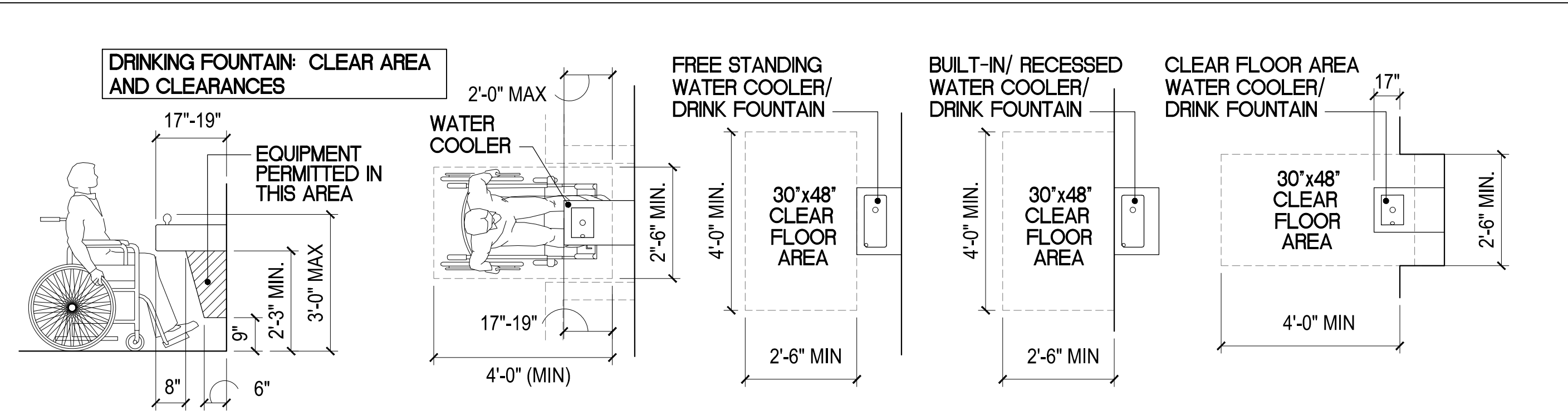
2 ACCESSIBILITY STANDARDS
(ANSI) MOUNTING HEIGHTS FOR ACCESSORIES



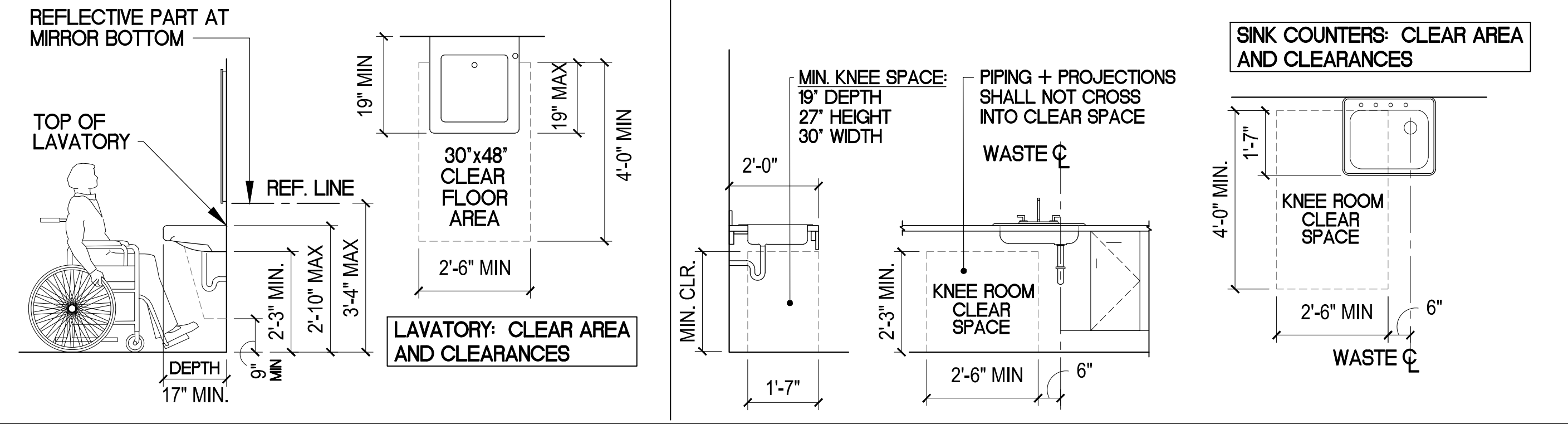
3 ACCESSIBILITY STANDARDS
(ANSI) MOUNTING HEIGHTS FOR MISCELLANEOUS ACCESSORIES, OUTLETS, SWITCHES, SIGNS & PLATES



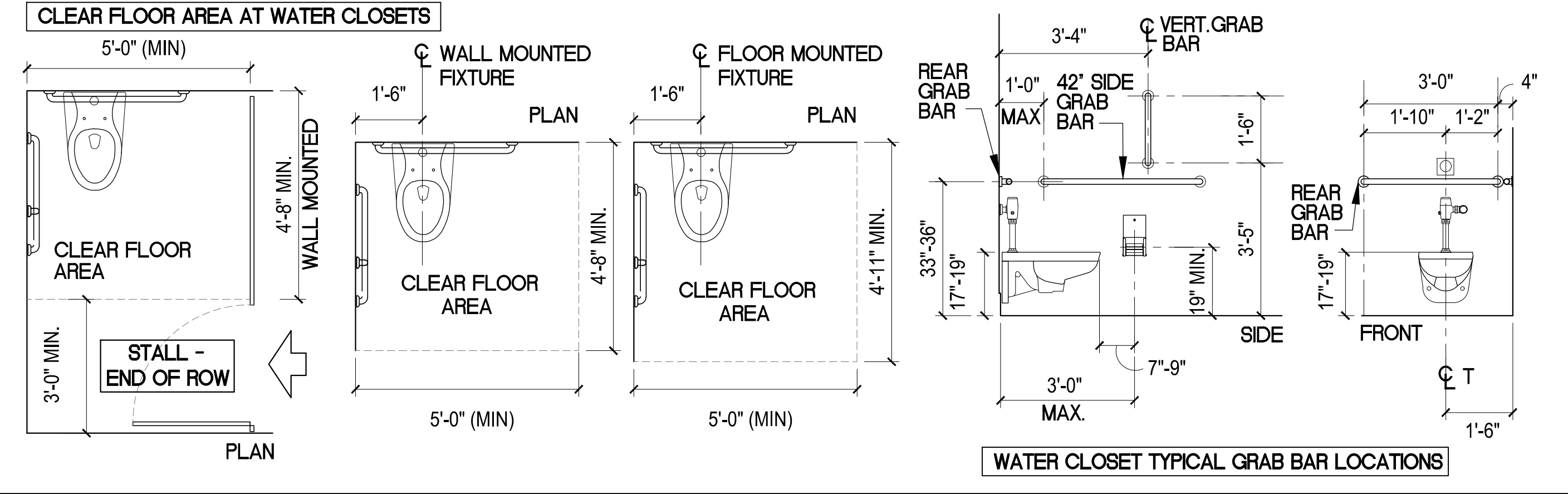
4 ACCESSIBILITY STANDARDS
(ANSI 117.1-2017) MANEUVERING & CLEARANCE SPACE



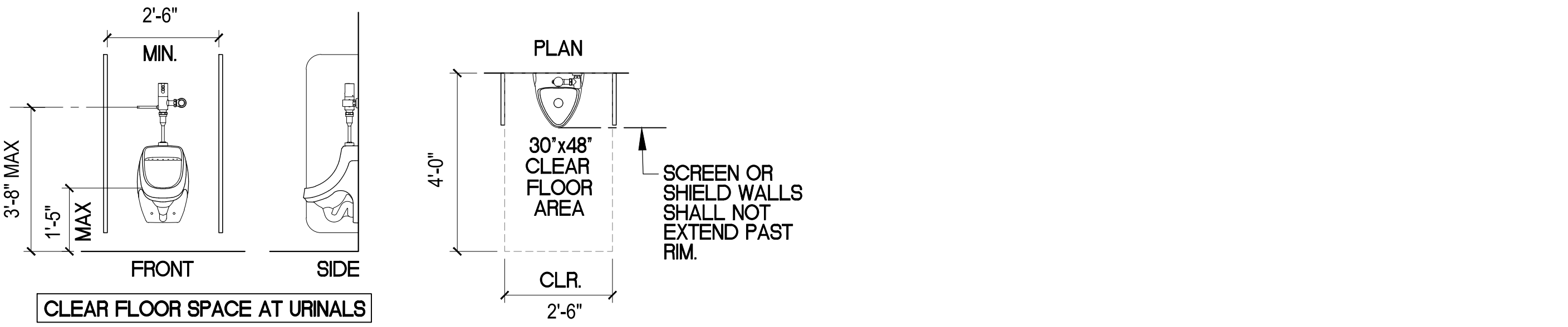
5 ACCESSIBILITY STANDARDS
(ANSI 117.1-2017) CLEARANCES FOR DRINKING FOUNTAIN



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



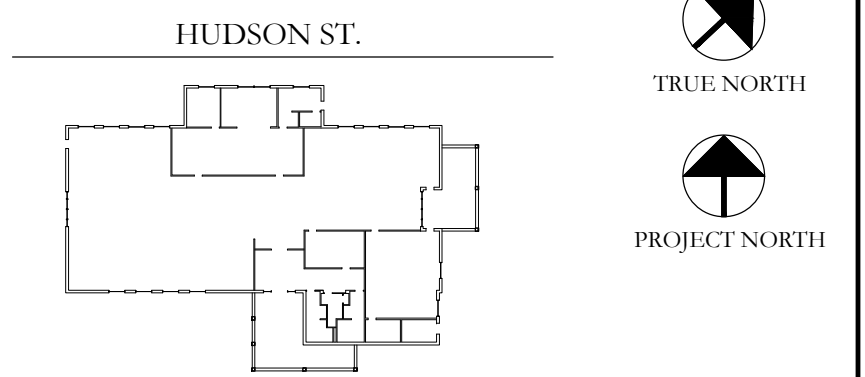
7 ACCESSIBILITY STANDARDS
(ANSI 117.1-2017) CLEARANCES & GRAB BAR LOCATIONS FOR STALLS



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

KEY PLAN:

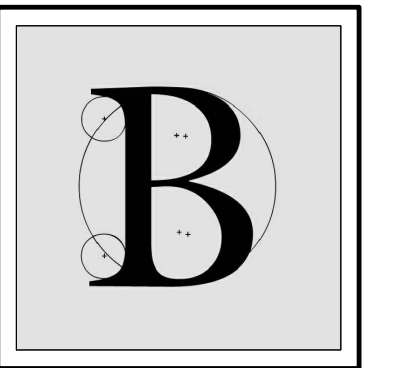
'CORNWALL PUBLIC LIBRARY'



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

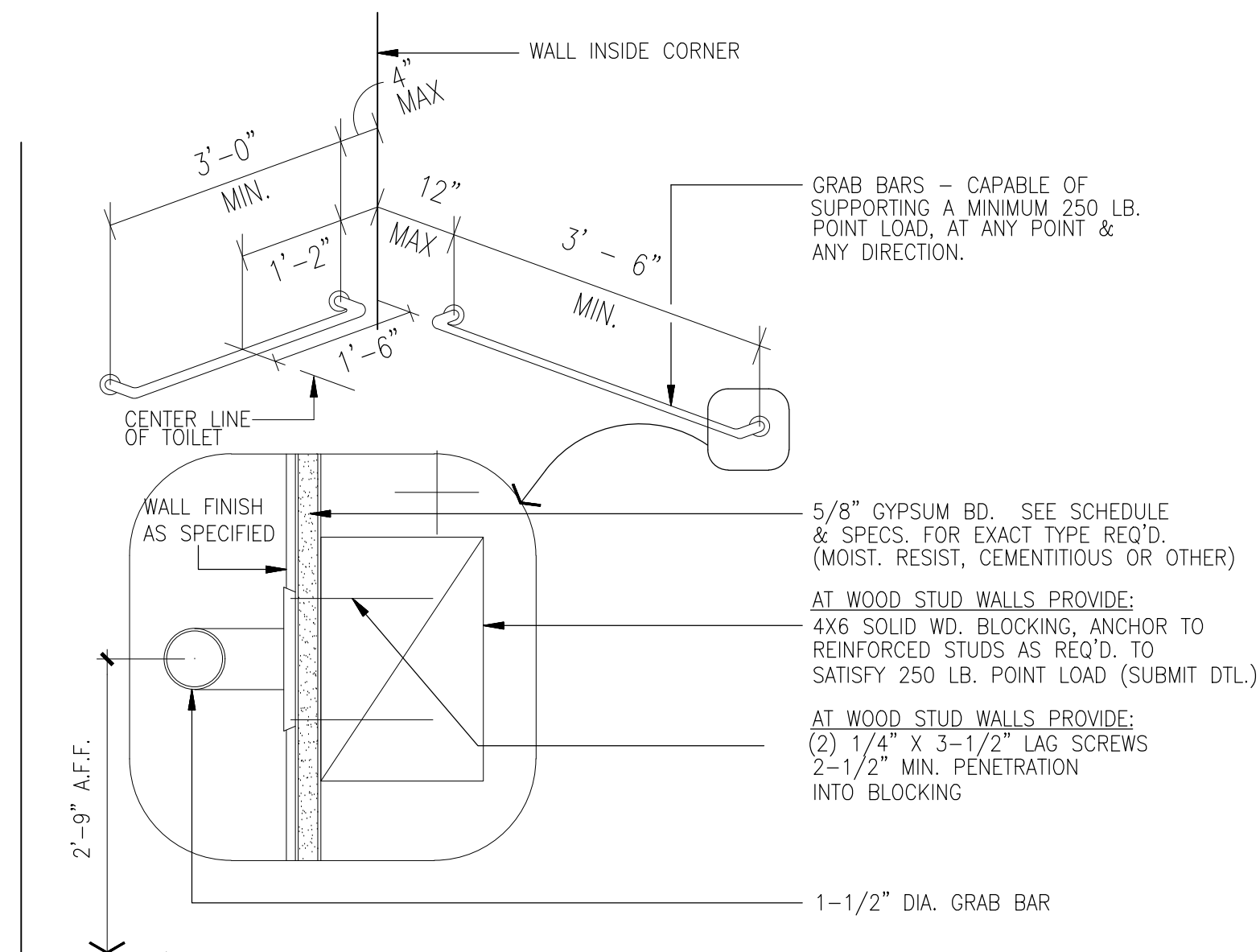
PROJECT NO.

2150

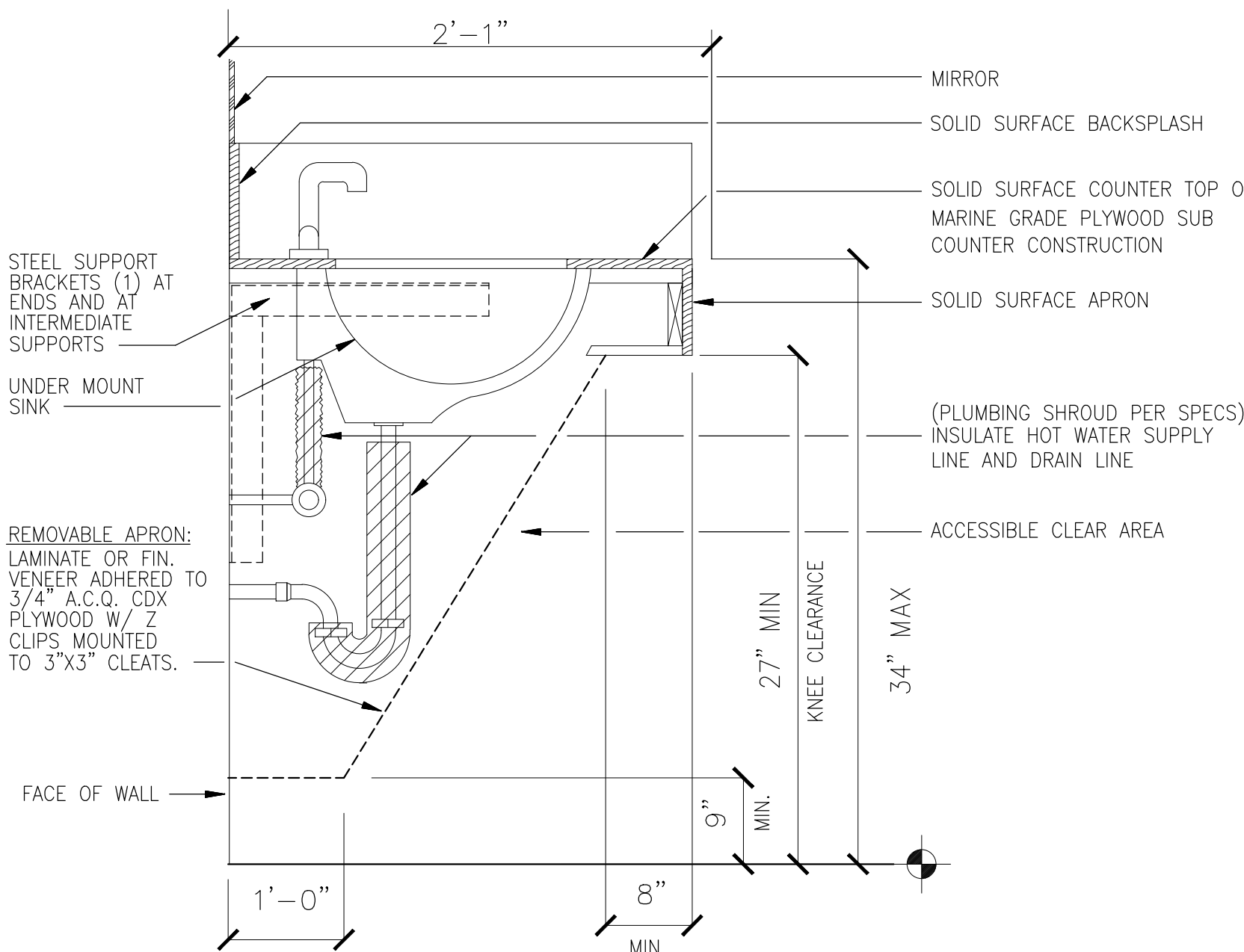
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A.500

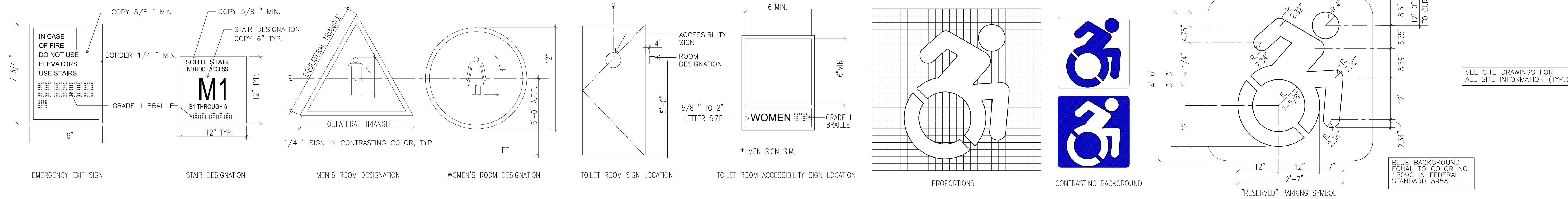
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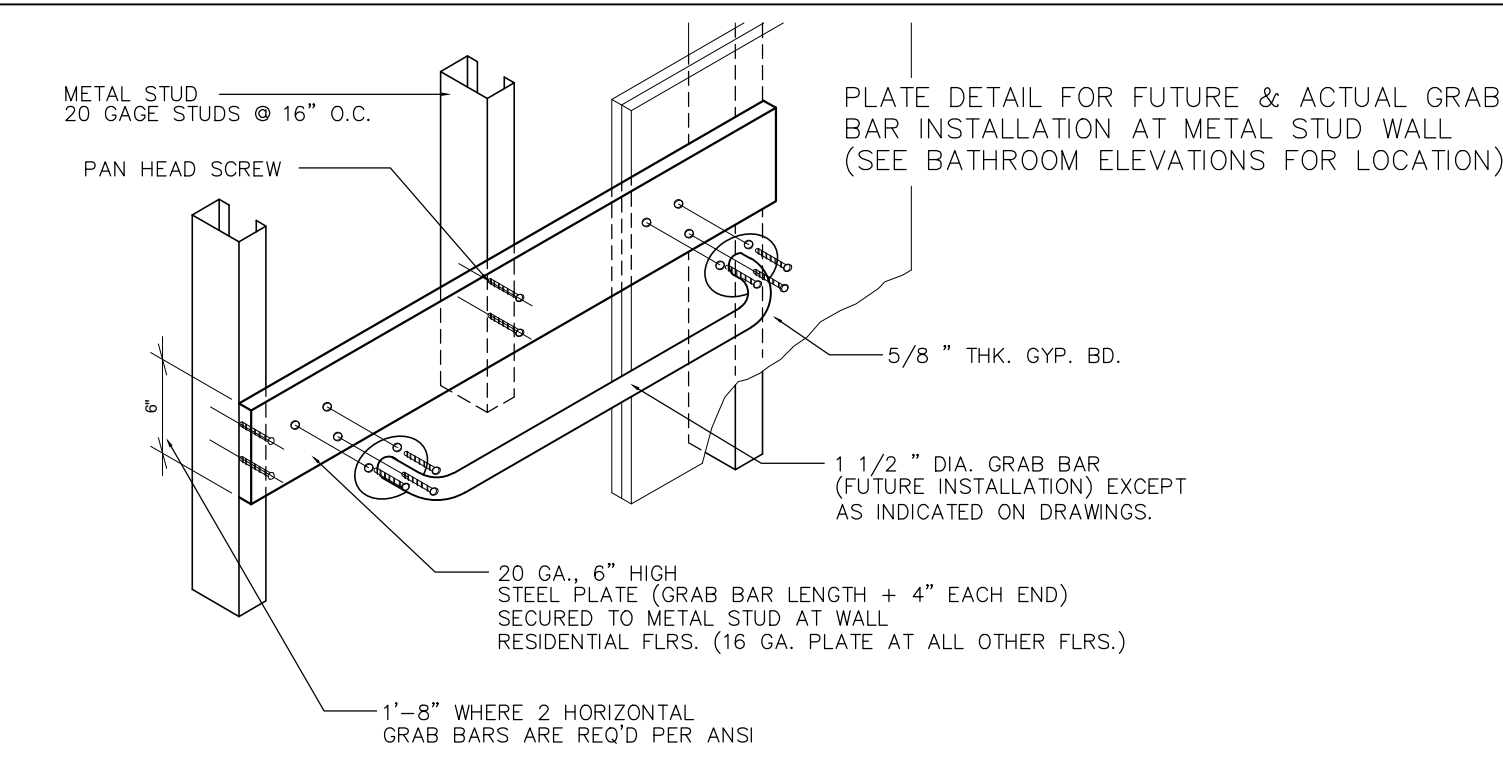
3 GRAB BAR DETAIL (N.T.S.)



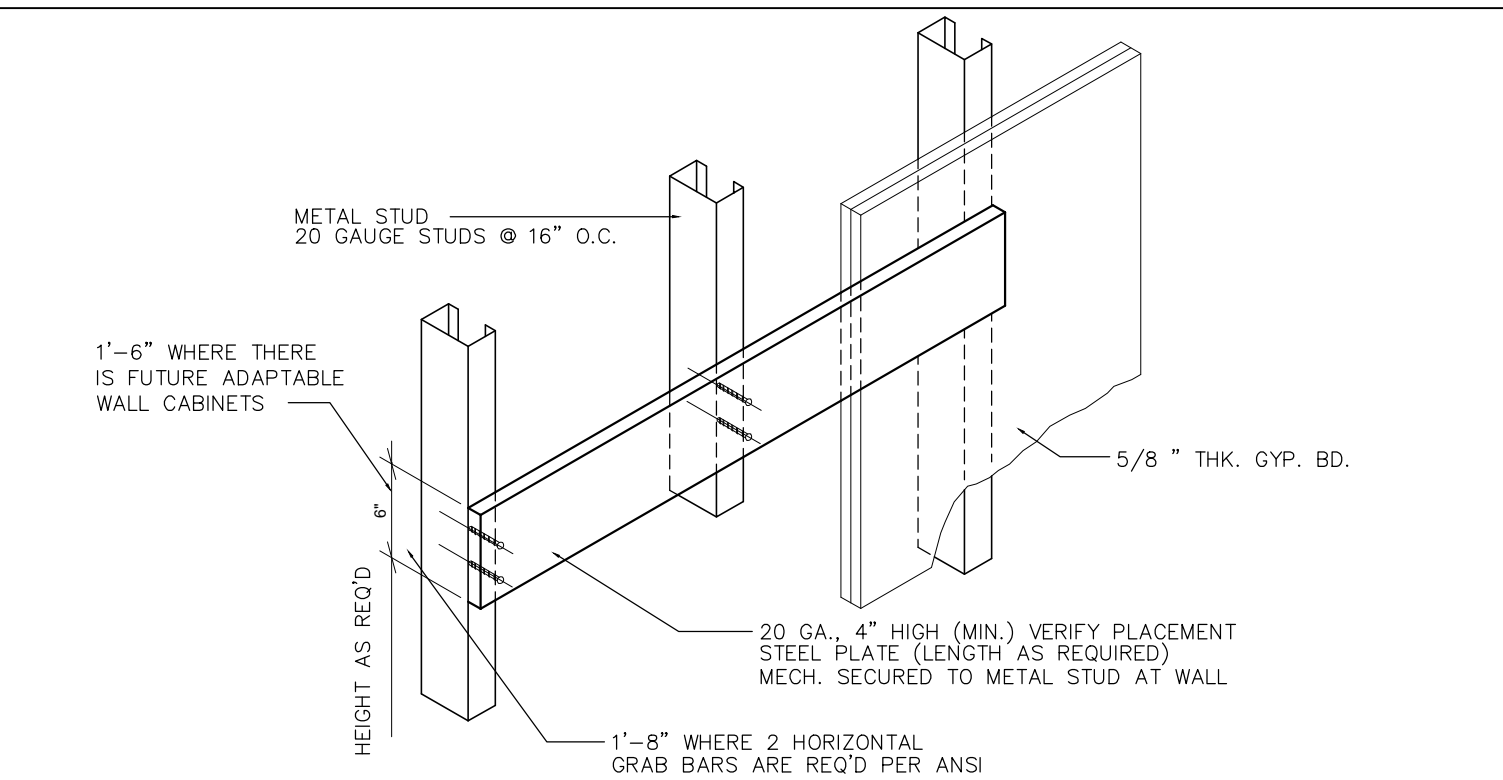
4 LAVATORY CLEARANCE DETAIL



2 ACCESSIBILITY STANDARDS
SIGNAGE, IDENTIFICATION & INTERNATIONAL SYMBOL OF ACCESSIBILITY



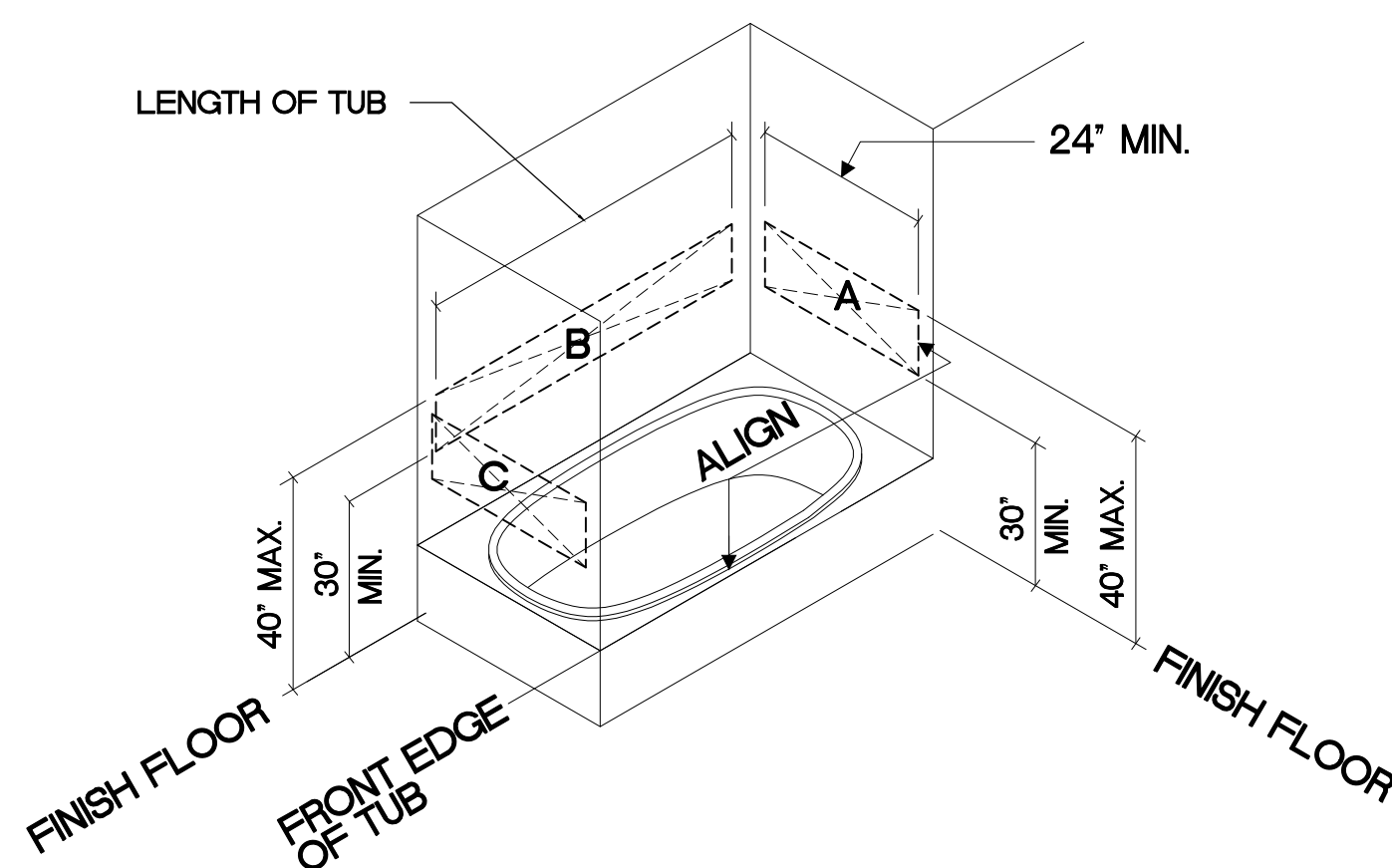
GRAB BAR INSTALLATION DETAIL



NOTE - ALL PARTITIONS @ HANDICAP BATHROOMS ARE TO SUPPORT A 250 LB POINT LOAD.

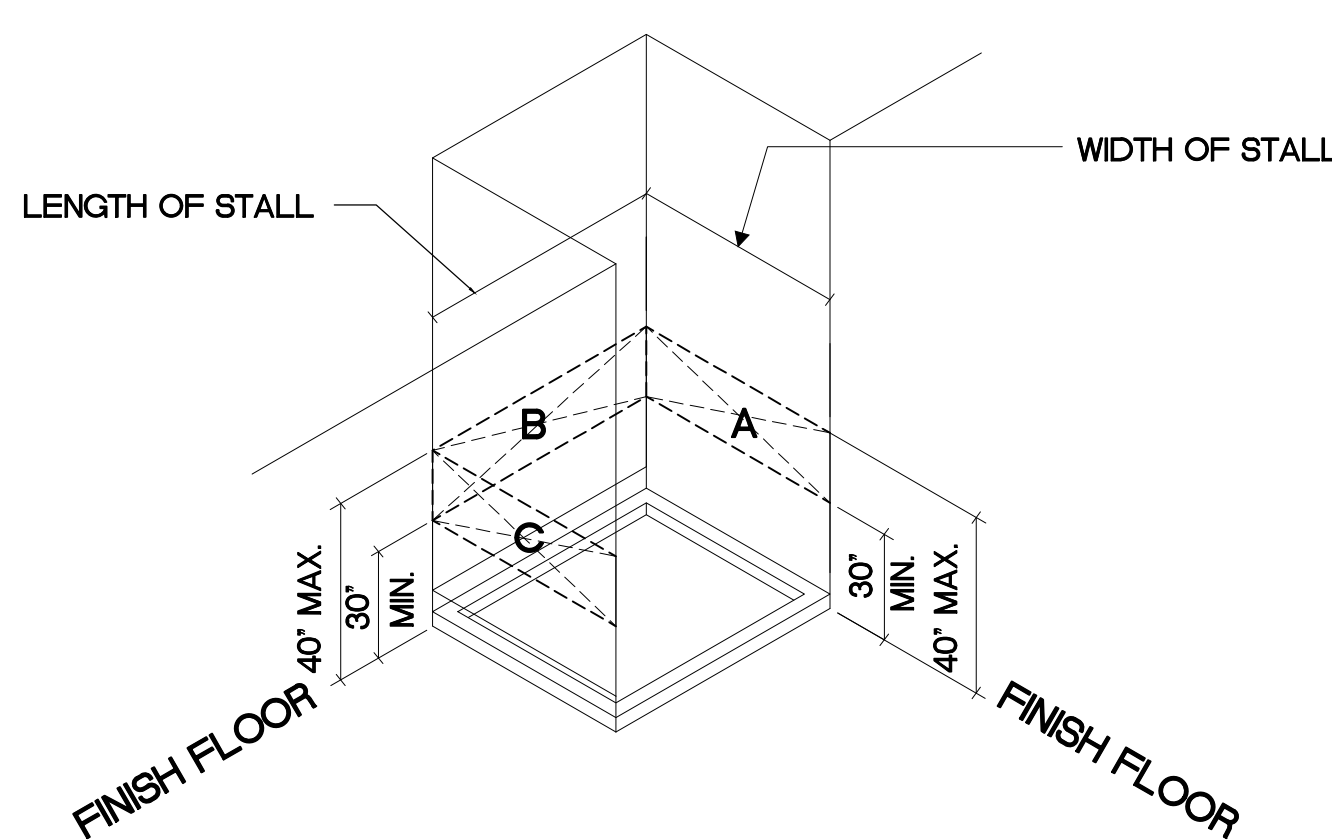
TYPICAL DETAIL FOR ALL OTHER ITEMS TO BE ANCHORED ON DRYWALL PARTITIONS (SEE PLAN FOR LOCATION)

TYPICAL ANCHORAGE DETAIL



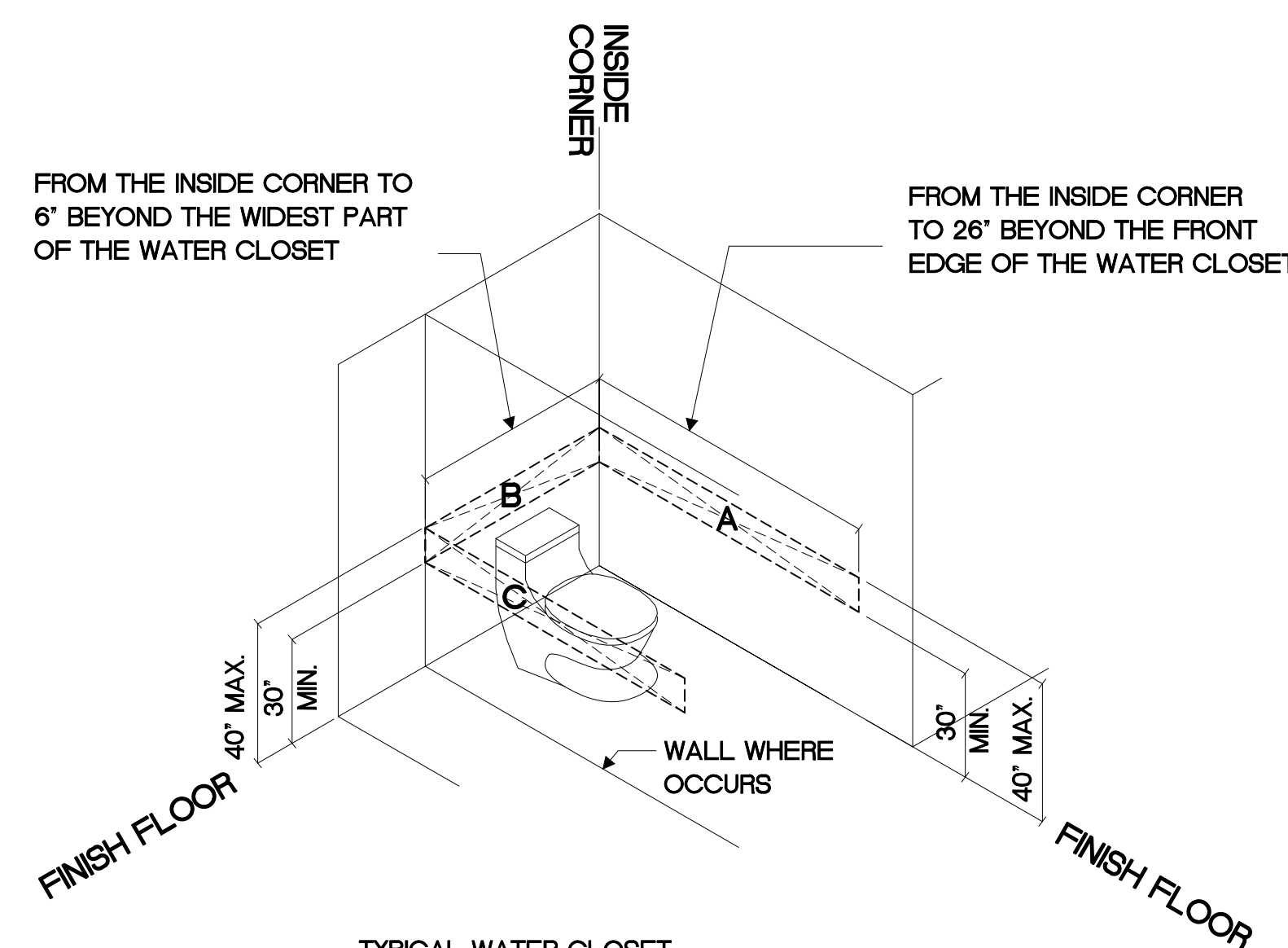
TYPICAL BATH NOTES:

- AREAS A, B, AND C REPRESENT THE EXTENT OF SOLID REINFORCING REQUIRED FOR FUTURE INSTALLATION OF GRAB BARS / SEATS (VERIFY DIMS. W/ SPECIFIED HARDWARE)
- AREA C SIMILAR TO AREA A



TYPICAL SHOWER NOTES:

- AREAS A, B, AND C REPRESENT THE EXTENT OF SOLID REINFORCING REQUIRED FOR FUTURE INSTALLATION OF GRAB BARS / SEATS (VERIFY DIMS. W/ SPECIFIED HARDWARE)
- AREA C SIMILAR TO AREA A



TYPICAL WATER CLOSET NOTES:

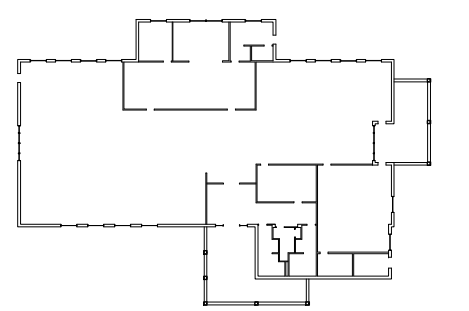
- AREAS A, B, AND C REPRESENT THE EXTENT OF SOLID REINFORCING REQUIRED FOR FUTURE INSTALLATION OF GRAB BARS / SEATS (VERIFY DIMS. W/ SPECIFIED HARDWARE)
- SHOULD REINFORCING BE INTERRUPTED BY A WALL OR OTHER TYPE OF ASSEMBLY. EXTEND THE REINFORCING AS FAR AS POSSIBLE AND INFORM ENGINEER W/O DELAY FOR A REVISED DETAIL
- AREA C SIMILAR TO AREA A WHERE OCCURS

1 ACCESSIBILITY STANDARDS
STANDARD REINFORCEMENT FOR TYPICAL BATHROOM MODULES

KEY PLAN:

'CORNWALL PUBLIC LIBRARY'

HUDSON ST.



PROJECT:

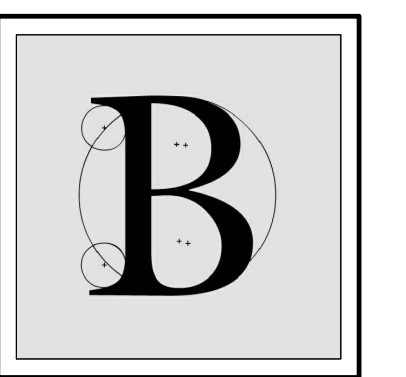
CORNWALL PUBLIC LIBRARY

HVAC SYSTEM REPLACEMENT PROJECT

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

SUB-CONSULTANT:

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A.D.A. DETAILS

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

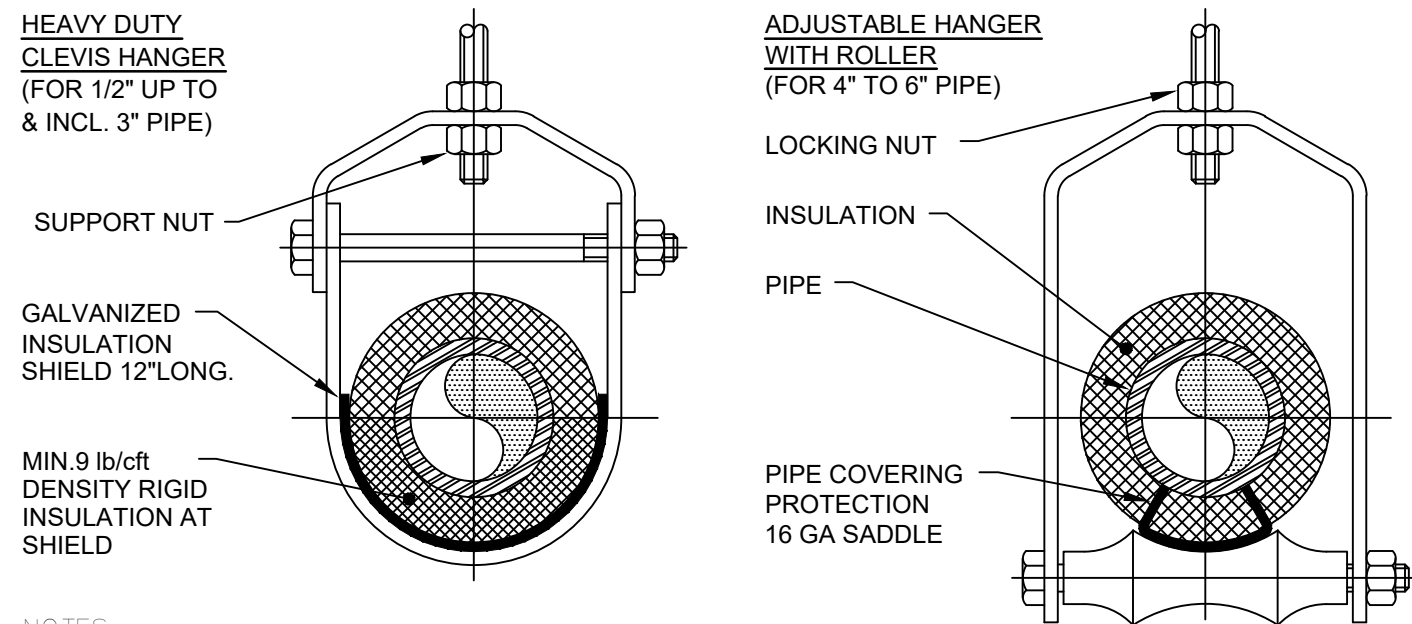
PROJECT NO. 2150 SHEET NO. A.501

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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 FLUSHOMETER 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 #ZEM6003AV-ULF-JS	INSTALL PER ADA & MANUFACTURER'S REQUIREMENTS; FURNISH FLUSHOMETER 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 #LZSTLG8WSSK; 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)

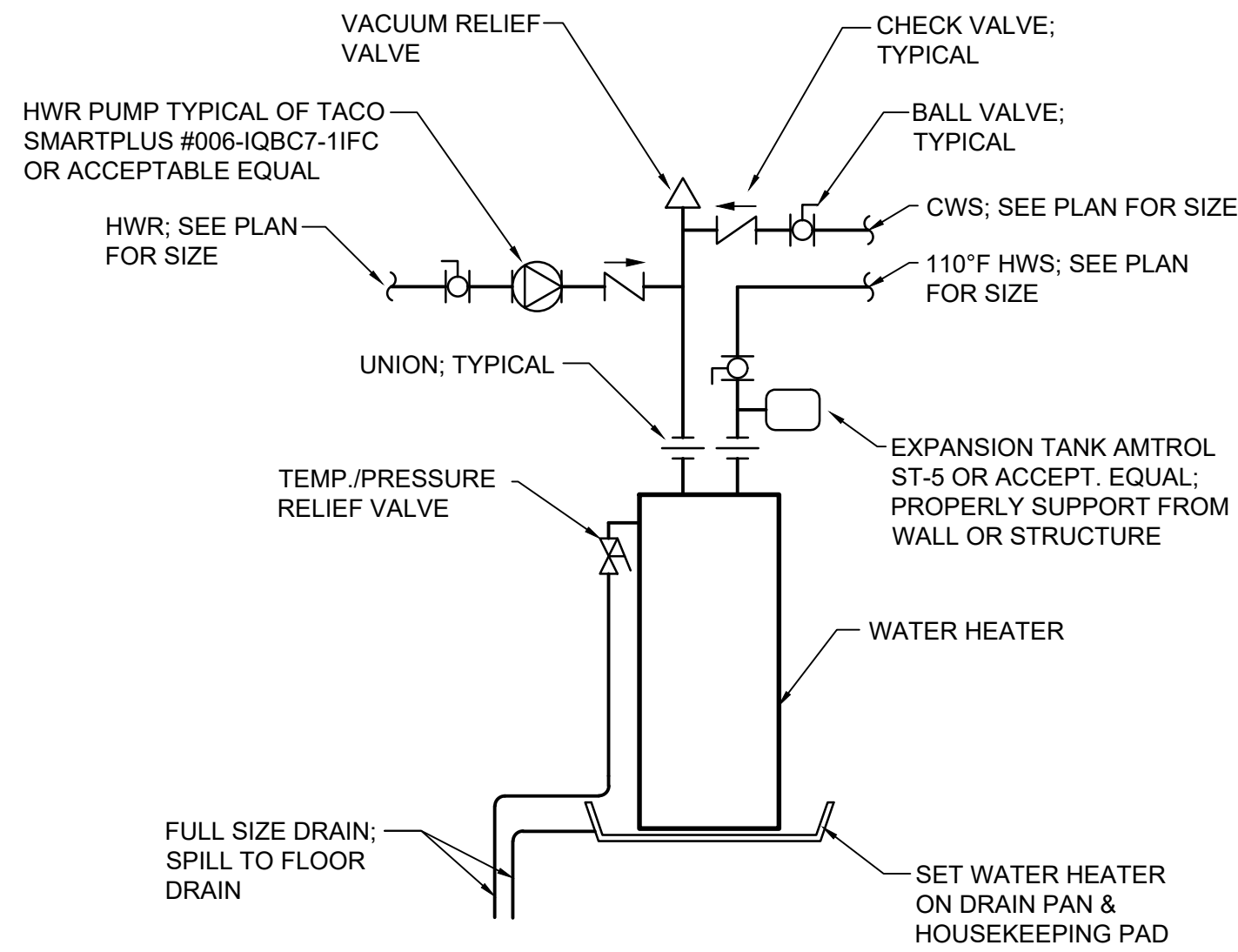
CONTRACT #5
(FIXTURES 7-8)



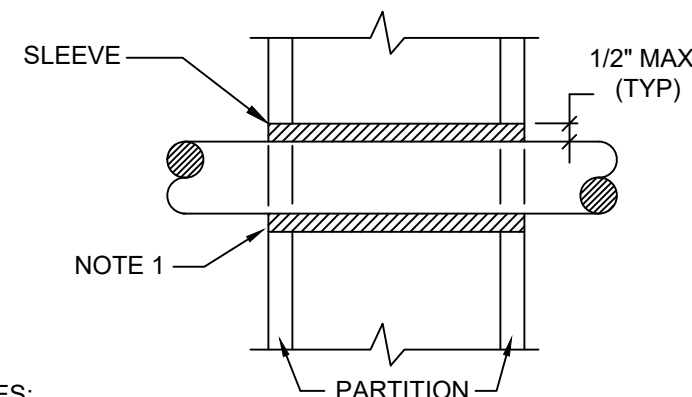
- NOTES:
- PIPE 8" AND LARGER SHALL HAVE ROLLER SUPPORTED WITH DUAL RODS.
 - FOR CHW SERVICE OVER 3" REPLACE SADDLE WITH 12" LONG 14 GA SHIELD WITH RIGID INSULATION BETWEEN PIPE AND SHIELD.

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.

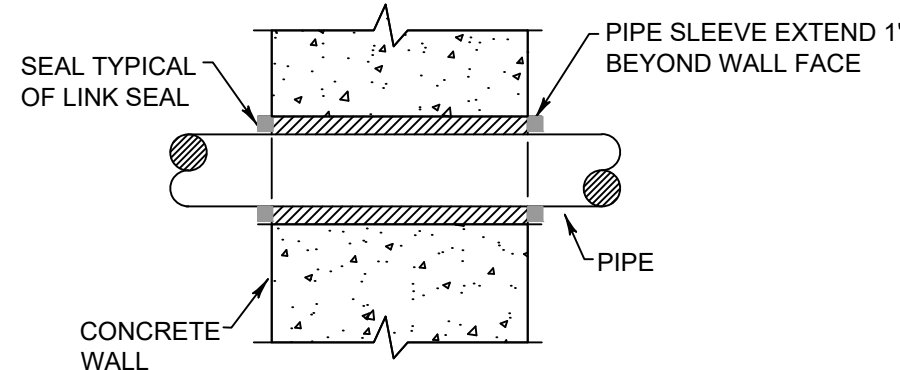


2 Water Heater Detail
P.101 Scale: None

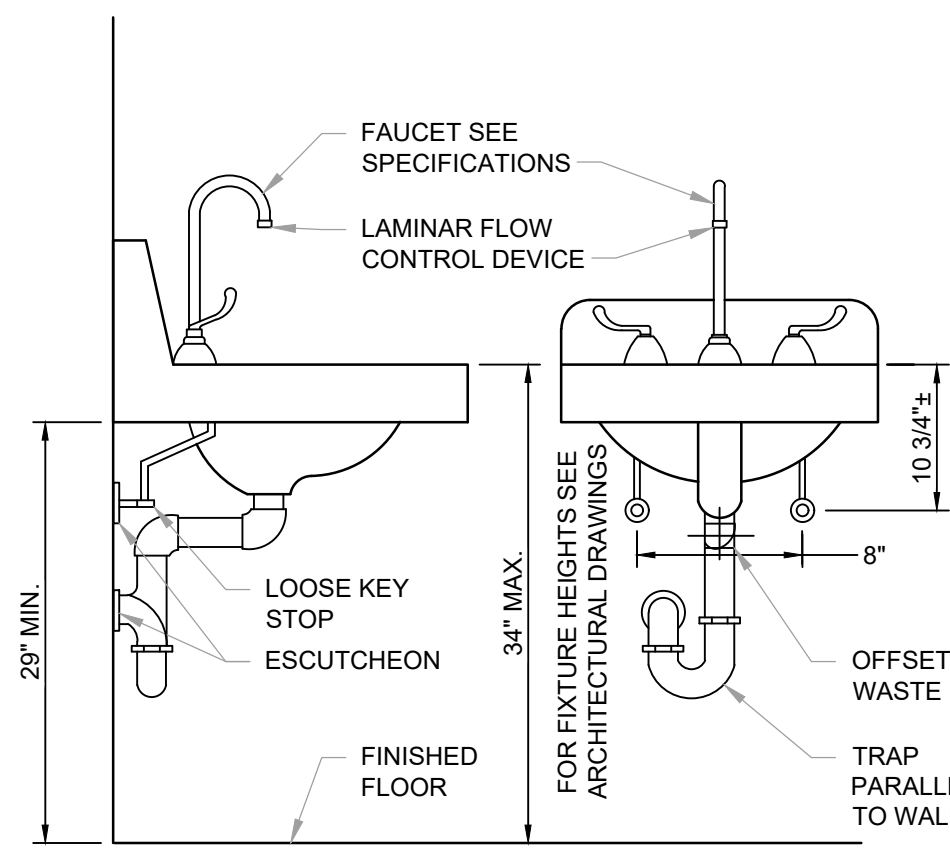


- NOTES:
- AT FIRE RATED PARTITIONS, ADD ADDITIONAL LAYER OF FIRE SAFING INSULATION AROUND PENETRATION SO AS TO FILL CAVITY.
 - DUCT AND PIPE PENETRATIONS THRU CORRIDOR WALLS ABOVE THE CEILING ARE TO BE FIRE STOPPED AROUND THE PENETRATION.

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:

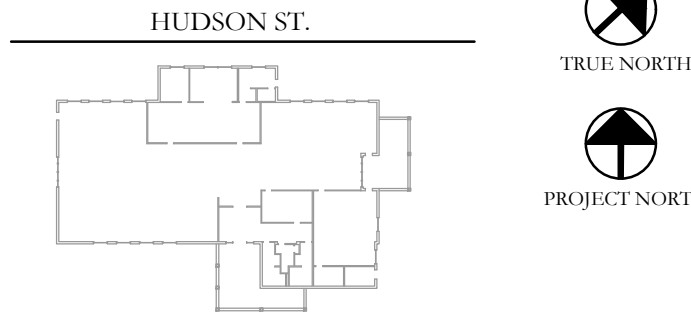
---	DOMESTIC COLD WATER SUPPLY
----	110 °F DOMESTIC HOT WATER SUPPLY
----	140 °F DOMESTIC HOT WATER SUPPLY
----	HOT WATER RETURN
----	SANITARY SEWER, ABOVE GRADE
----	SANITARY SEWER, BELOW GRADE
----	PLUMBING VENT
----	STORM WATER, ABOVE GRADE
----	STORM WATER, BELOW GRADE
----	LP GAS PIPING
----	DIRECTION 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 UP 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.
1. WATER & GAS PIPING TO BE AIR-PRESSURE TESTED TO 1-1/2 TIMES MAXIMUM WORKING PRESSURE.
2. 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'

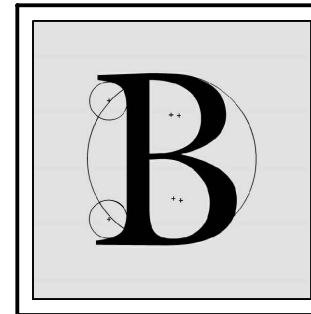


PROJECT:

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

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

PLUMBING LEGEND, NOTES, SCHEDULE & DETAILS

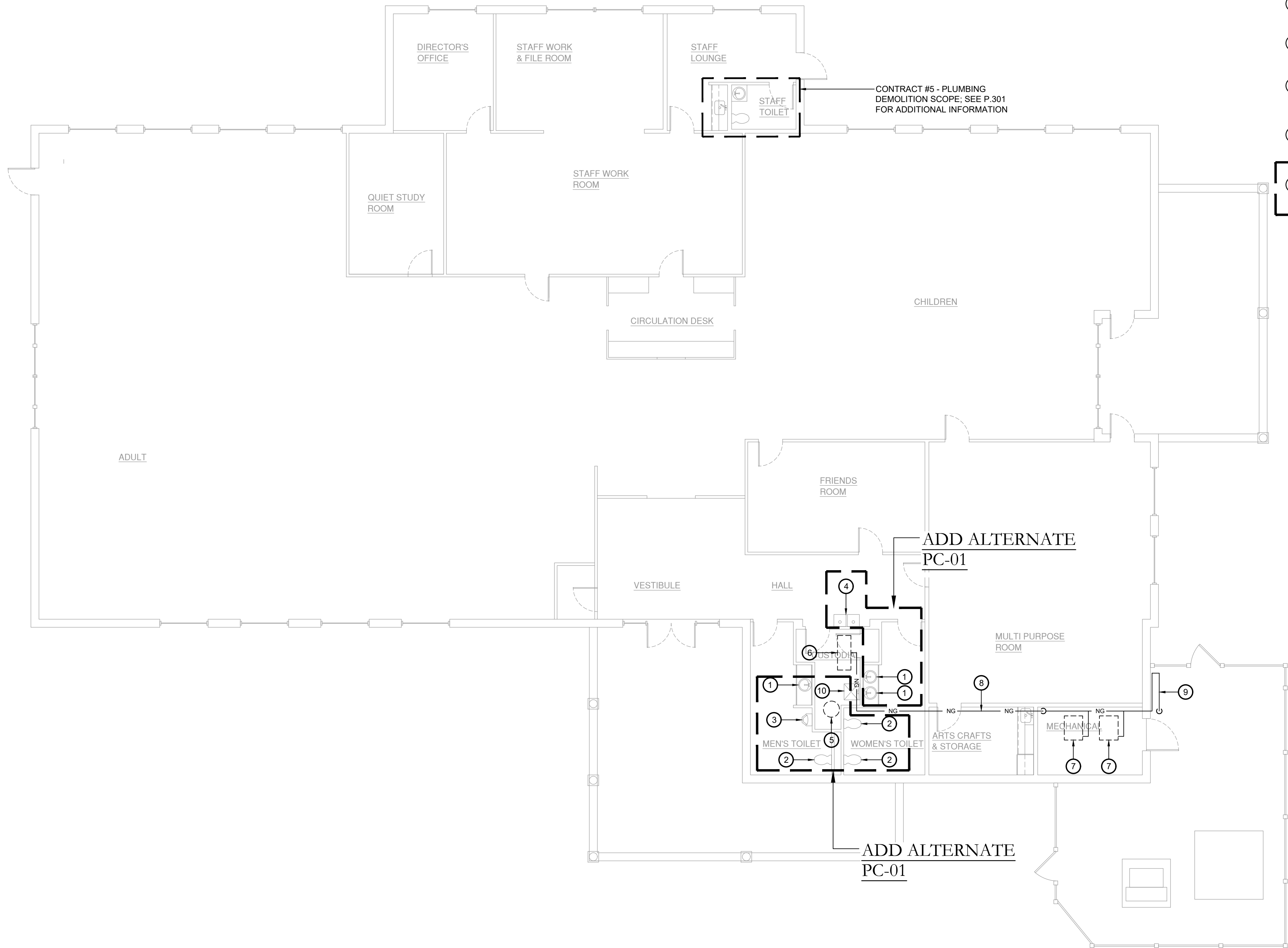
DATE:	DRN	CHK	DESCRIPTION
01.26.2023	BJK	BJK	CONSTRUCTION DWGS

REV.	DATE	DRN	CHK	DESCRIPTION

PROJECT NO.	SHEET NO.
2150	P.101

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Key Notes:

- 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)
- 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)
- 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)
- 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)
- 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)
- EXISTING GAS FIRED HUMIDIFIER TO BE REMOVED BY MC; PLUMBING CONTRACTOR TO DISCONNECT GAS AND WATER LINES FROM UNIT PRIOR TO REMOVAL
- EXISTING GAS FIRED BOILER TO BE REMOVED BY MC; PLUMBING CONTRACTOR TO DISCONNECT GAS AND DOMESTIC WATER LINES FROM UNIT PRIOR TO REMOVAL
- 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
- 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
- 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

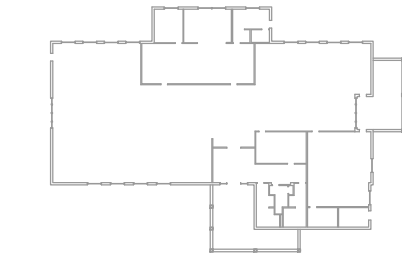
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PC-01

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PC-01

KEY PLAN:

'CORNWALL PUBLIC
LIBRARY'

HUDSON ST.

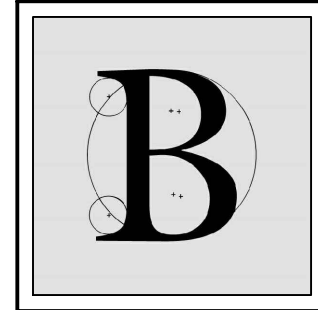


PROJECT:

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:



BLAKE
ENGINEERING PLLC
1898 COUNTY ROUTE 1
WESTTOWN, NEW YORK 10998
TEL:845-467-9207 FAX:845-767-5050
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

PLUMBING DEMOLITION
PLAN

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

PROJECT NO.

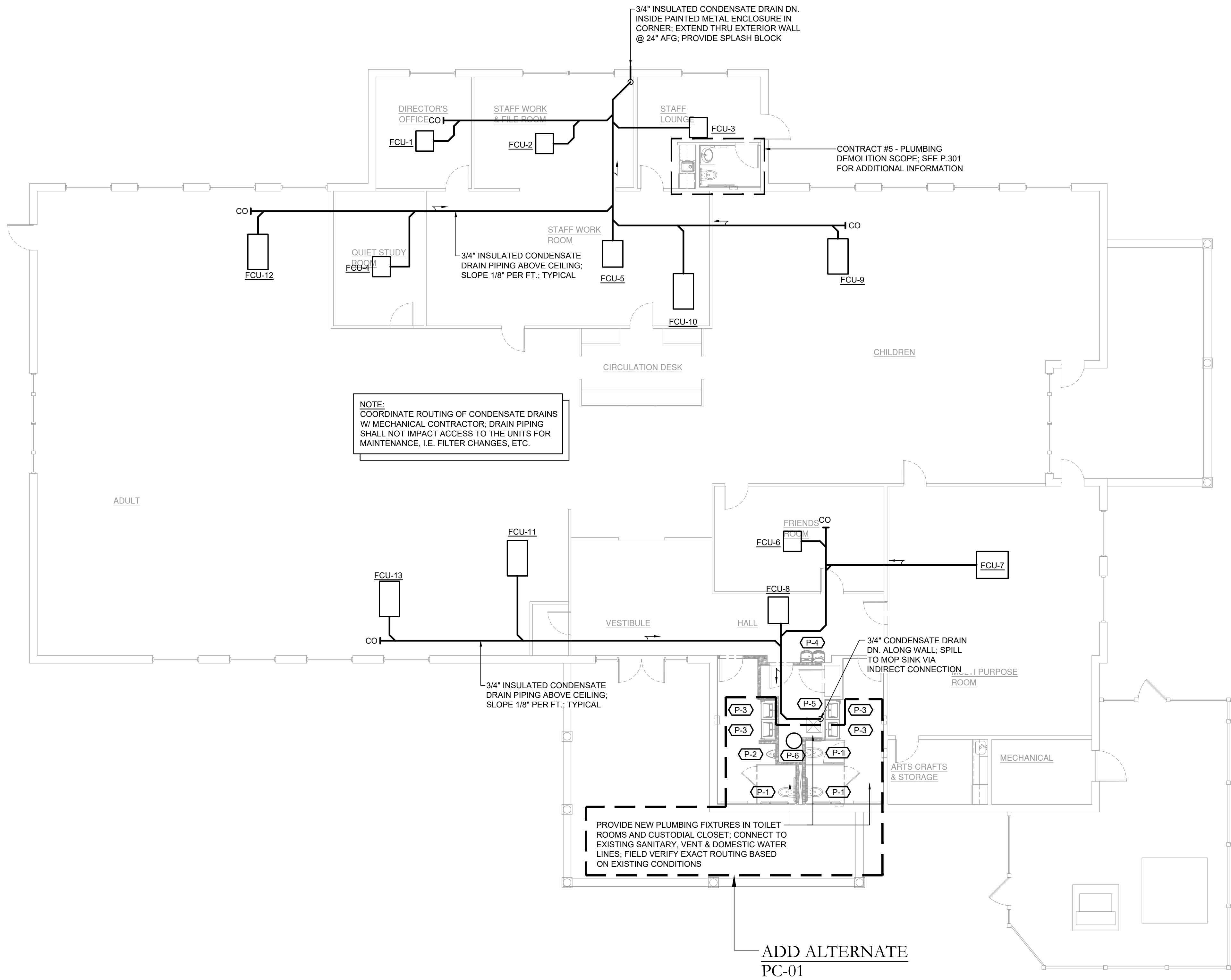
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SHEET NO.

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1 Plumbing Plan
P.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

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PLUMBING PLAN

DATE:	DRN	CHK	DESCRIPTION	
01.26.2023	BJK	BJK	CONSTRUCTION DWGS	
REV.	DATE	DRN	CHK	DESCRIPTION
PROJECT NO.	SHEET NO.			
2150	P.201			
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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

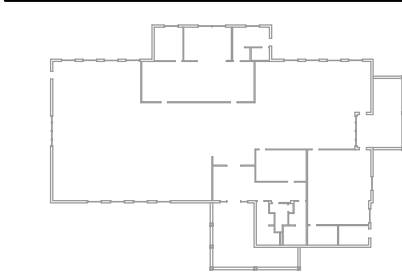
EXISTING WATER CLOSET TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF. DEMOLISH SANITARY, VENT & WATER PIPING BACK TO MAINS AT FLOOR AND/OR WALL & CAP; MAINTAIN SERVICES FOR RECONNECTION TO NEW FIXTURE(S)
- 3

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'

HUDSON ST.

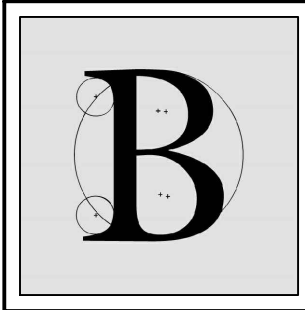


PROJECT:

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

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.

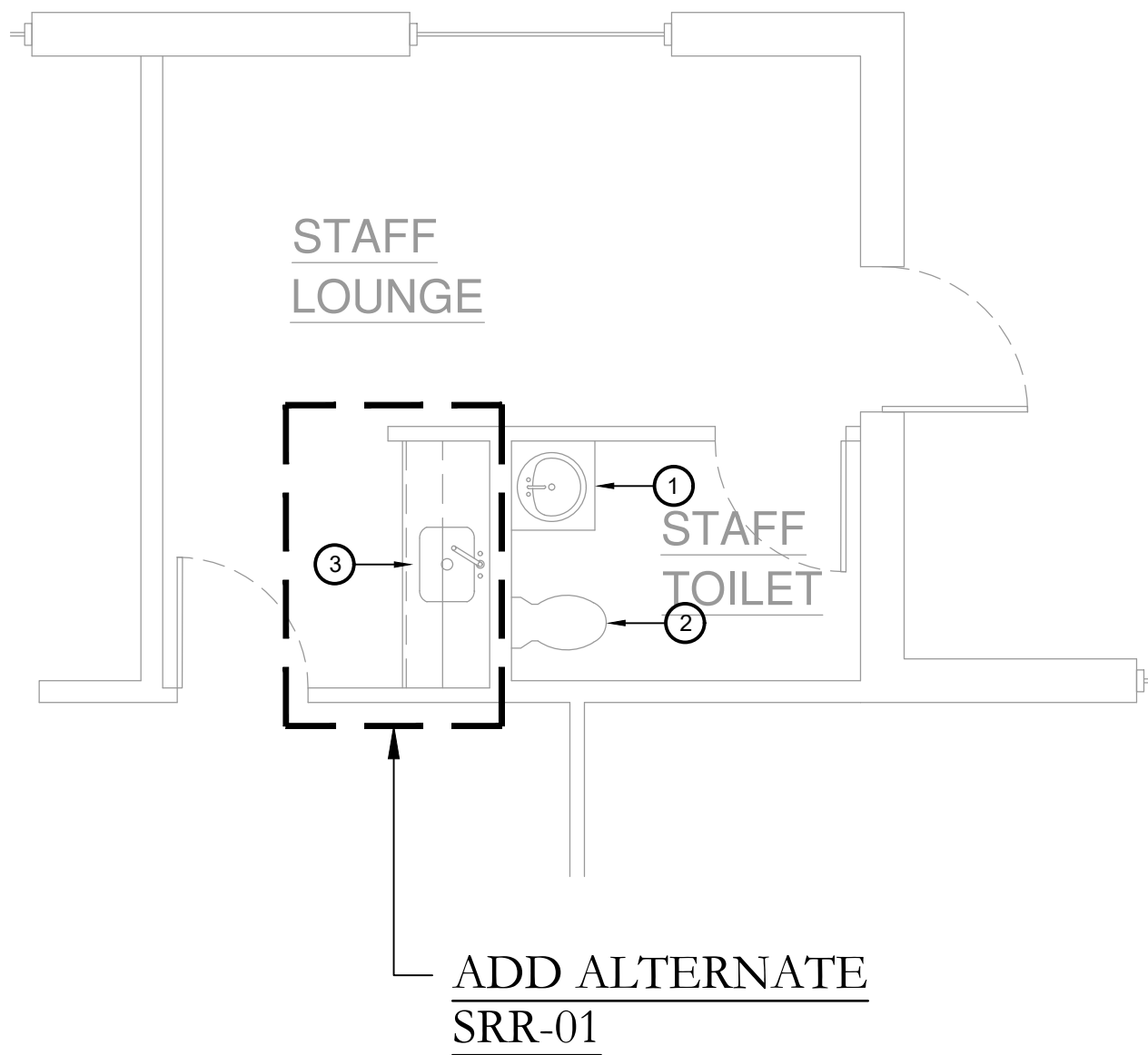
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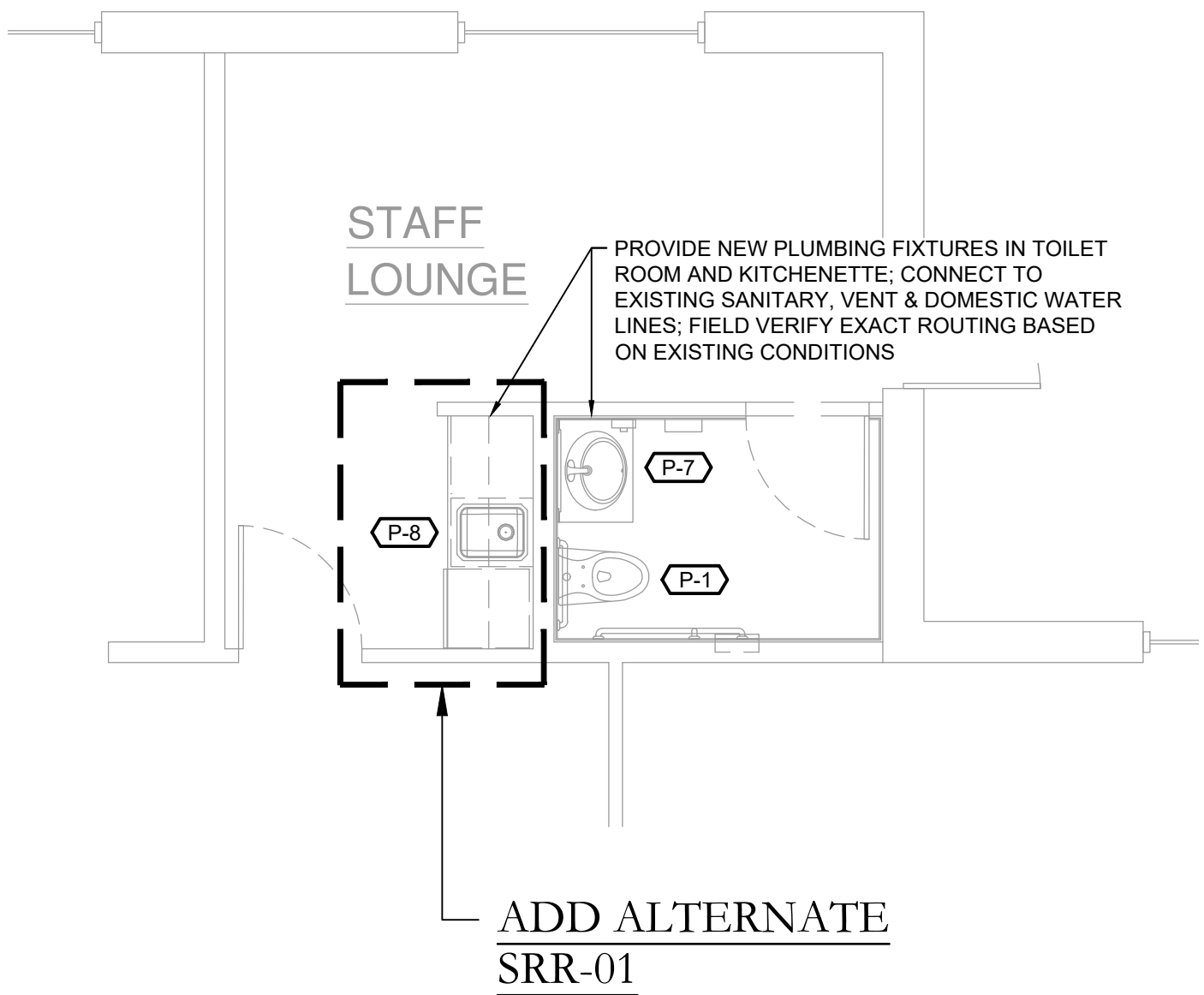
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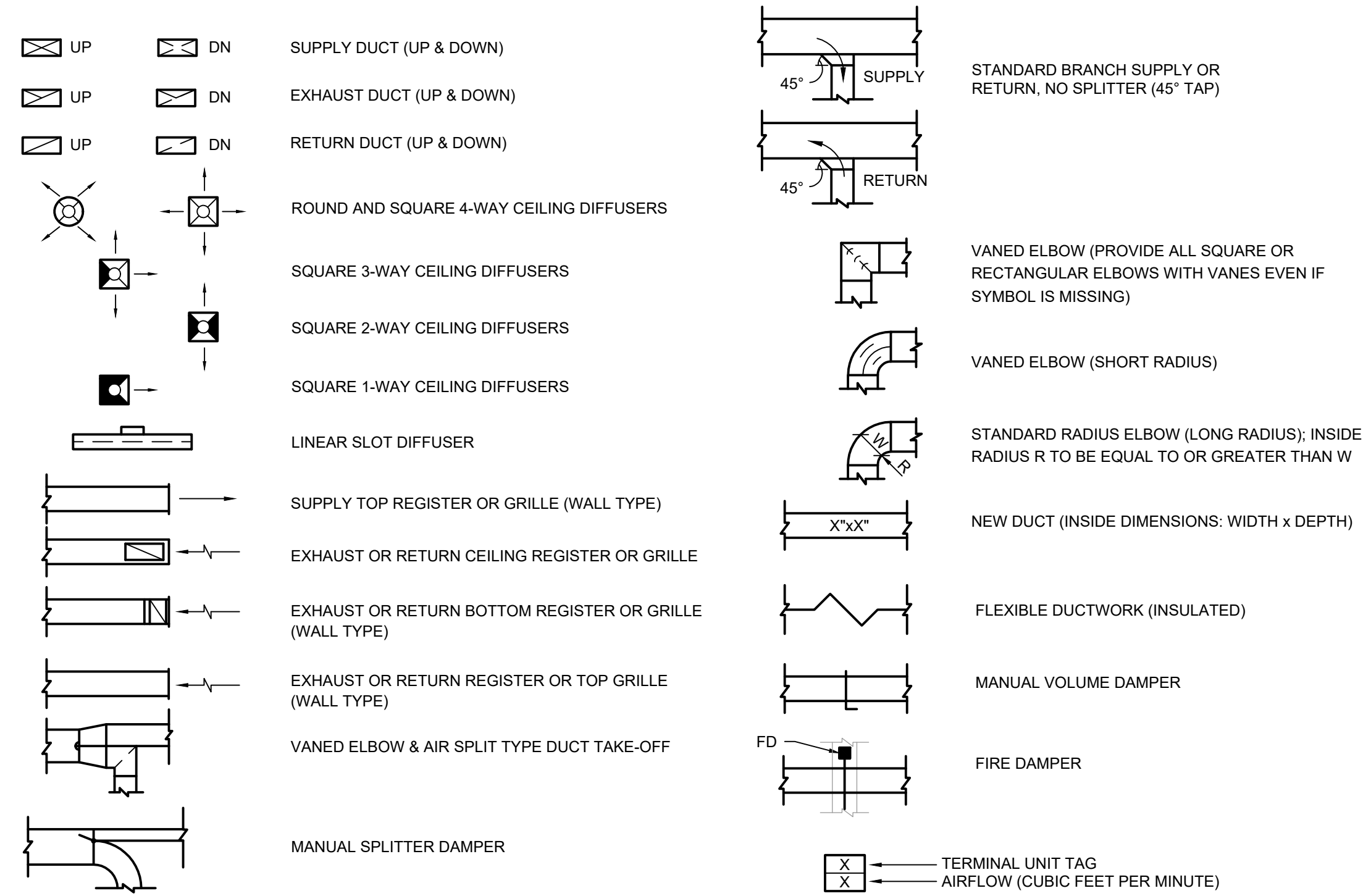


1 Plumbing Demolition Plan
Scale: 1/4" = 1'-0"

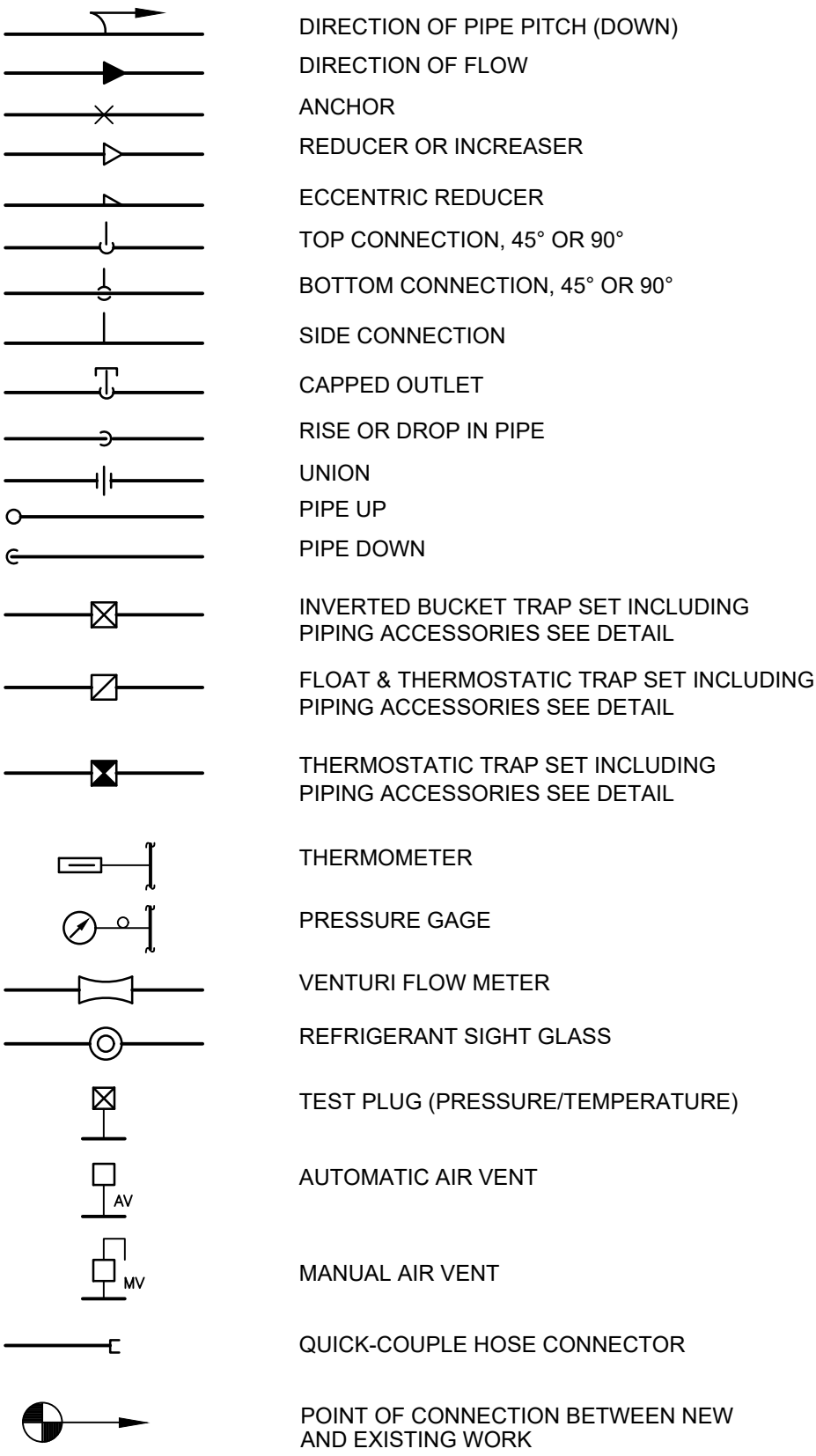


2 Plumbing Plan
Scale: 1/4" = 1'-0"

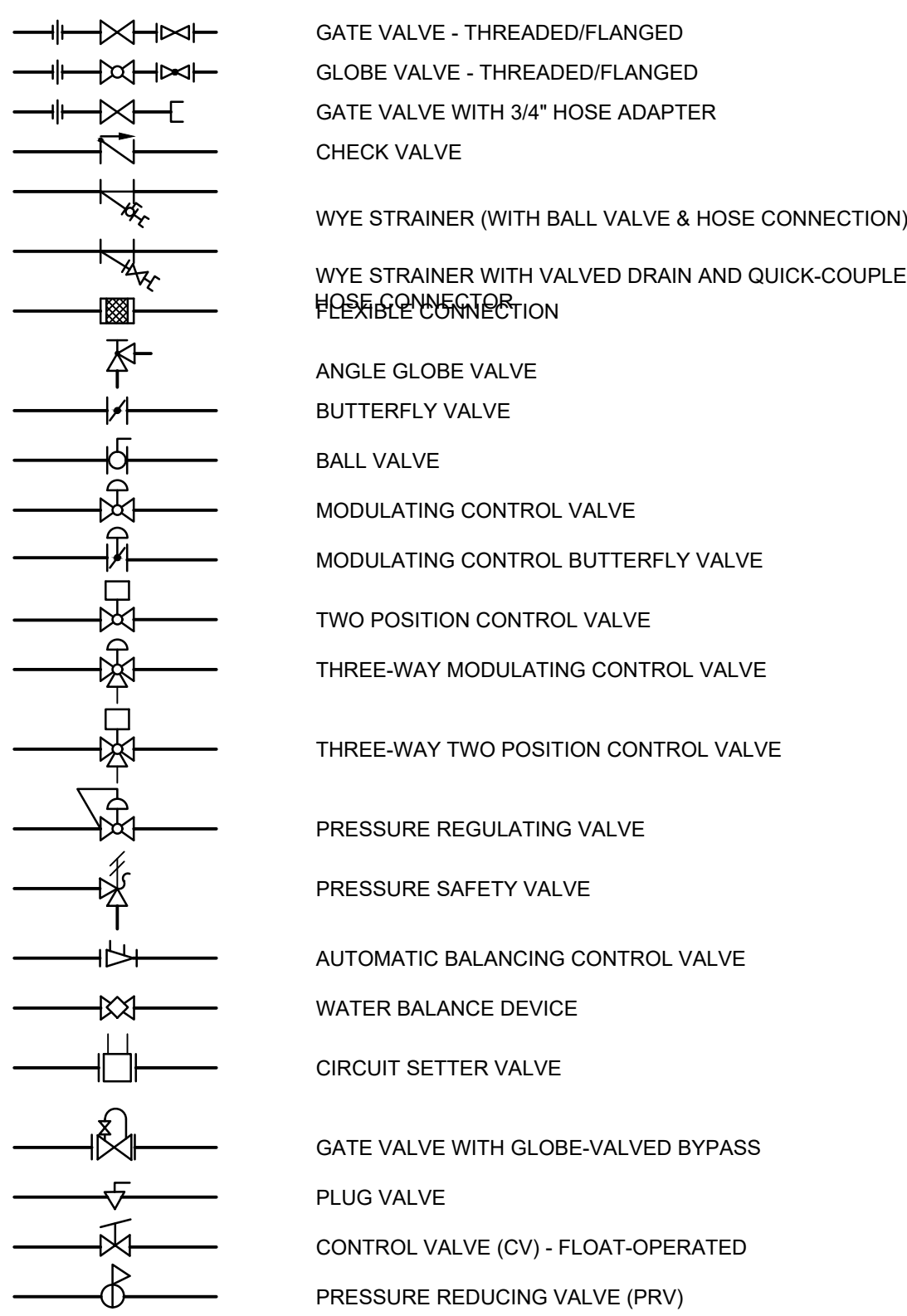
Mechanical Legend :



Piping Legend:



Valve Legend:



Mechanical Equipment:

- T** WIRED ZONE CONTROLLER TYPICAL OF HITACHI MODEL CIW01; 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; 208/1/60
- 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

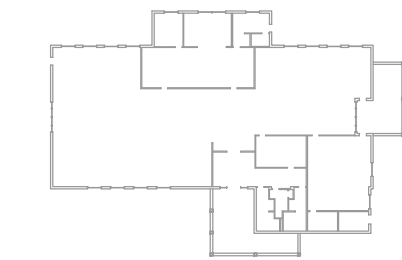
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- A MINIMUM OF FOUR (4) COPIES OF SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO ORDERING AND INSTALLATION OF THE EQUIPMENT AND/OR MATERIALS. BY SUBMITTING SHOP DRAWINGS, THE CONTRACTOR REPRESENTS THAT ACTUAL FIELD CONDITIONS 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.

KEY PLAN:

'CORNWALL PUBLIC LIBRARY'

HUDSON ST.



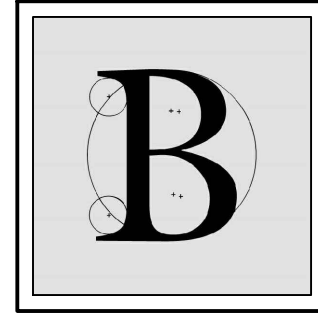
PROJECT:

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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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

MECHANICAL LEGENDS & NOTES

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

PROJECT NO.	SHEET NO.
2150	M.101

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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	HVAHR384B32S	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		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		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		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		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		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		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		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		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		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		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		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		0.50	208	1	60	259	106	SEE VRF SYSTEM NOTES			

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	WINTER	SUMMER	WINTER	SUMMER	QTY.	PWR.							
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	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

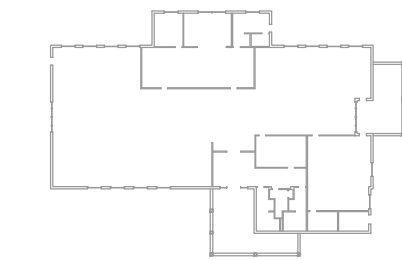
VRF System Notes:

- 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.

KEY PLAN:

'CORNWALL PUBLIC LIBRARY'

HUDSON ST.

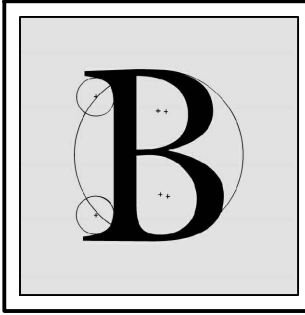


PROJECT:

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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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

MECHANICAL SCHEDULES

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

PROJECT NO.	SHEET NO.
2150	M.102

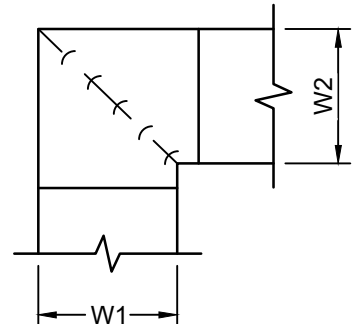
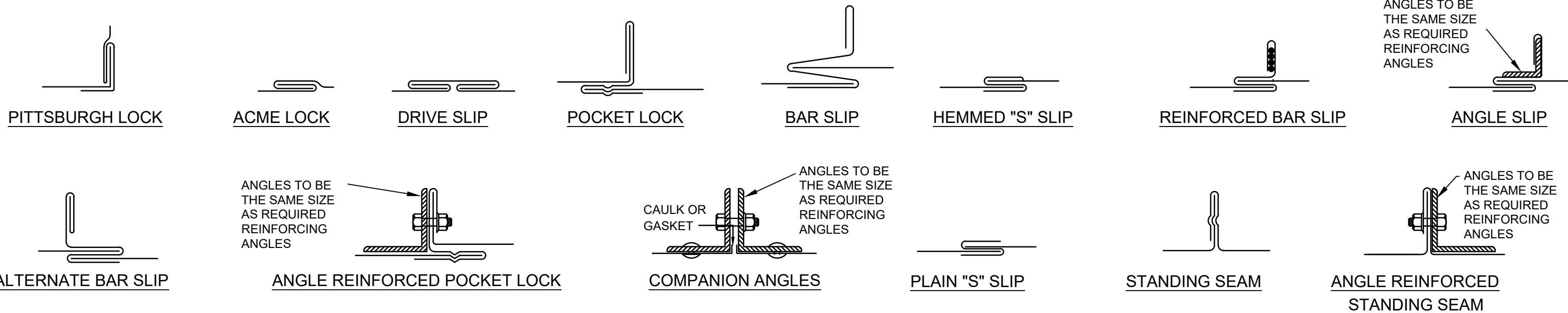
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THICKNESS & REINFORCING SCHEDULE - * LOW PRESSURE DUCTWORK

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

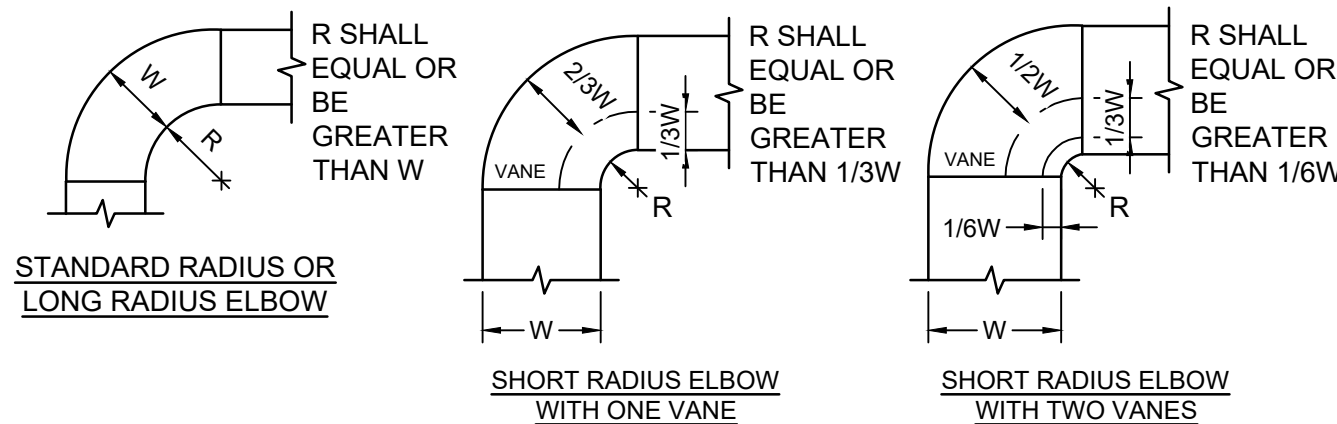
GREATEST DUCT DIMENSION	STEEL DUCTS U.S. STANDARD GAUGE	ALUMINUM DUCTS B & S GAUGE	LONGITUDINAL SEAM	TRANSVERSE JOINT SMALLEST DIMENSION	TRANSVERSE JOINT GREATEST DIMENSION	REINFORCING (ALL DUCTS 18" THRU 54" SHALL BE CROSSBROKEN)
12" OR LESS	26	24(0.020")	PITTSBURGH OR ACME LOCK	DRIVE SLIP OR POCKET 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.



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

2 Ductwork Squared Elbow Detail

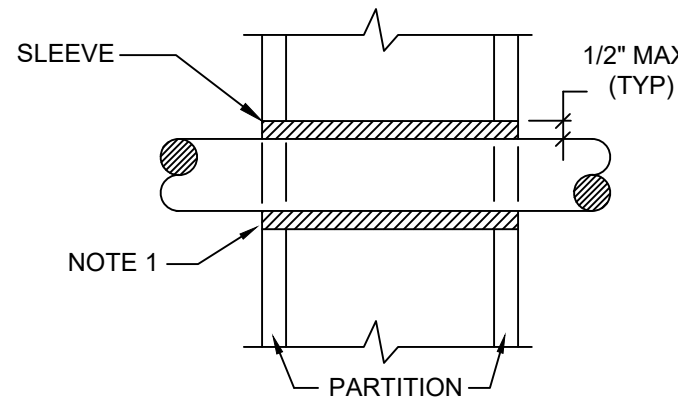
N.T.S.



- NOTE:
- THE INTERIOR SURFACE OF ALL RADIUS ELBOWS SHALL BE MADE ROUND.
 - 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

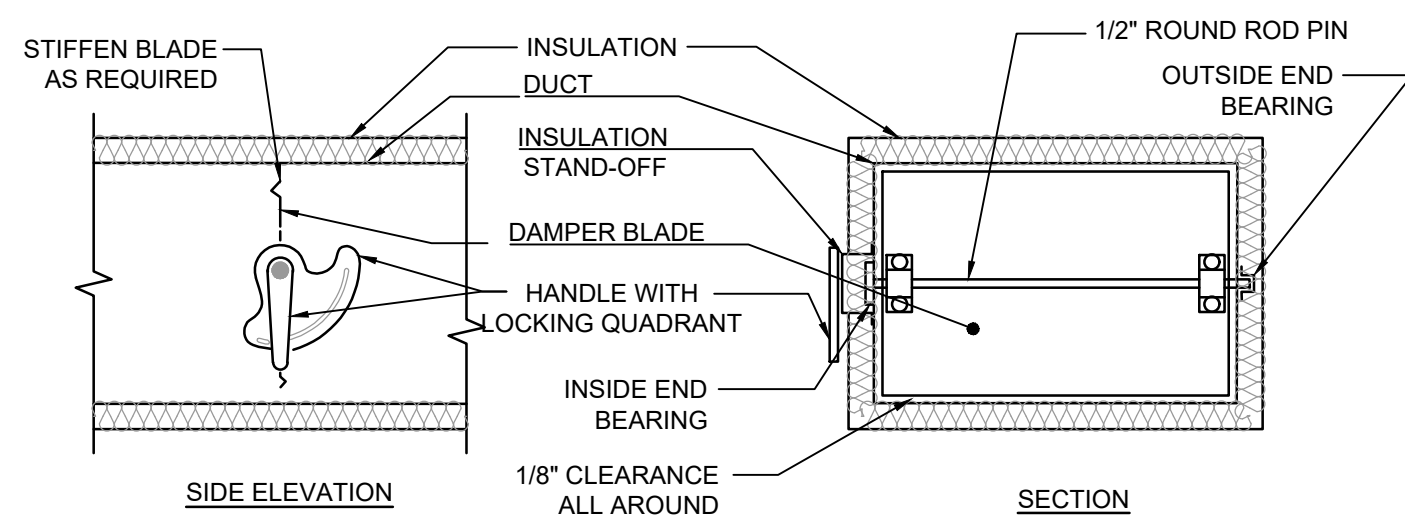
N.T.S.



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

3 Pipe Penetrations Detail

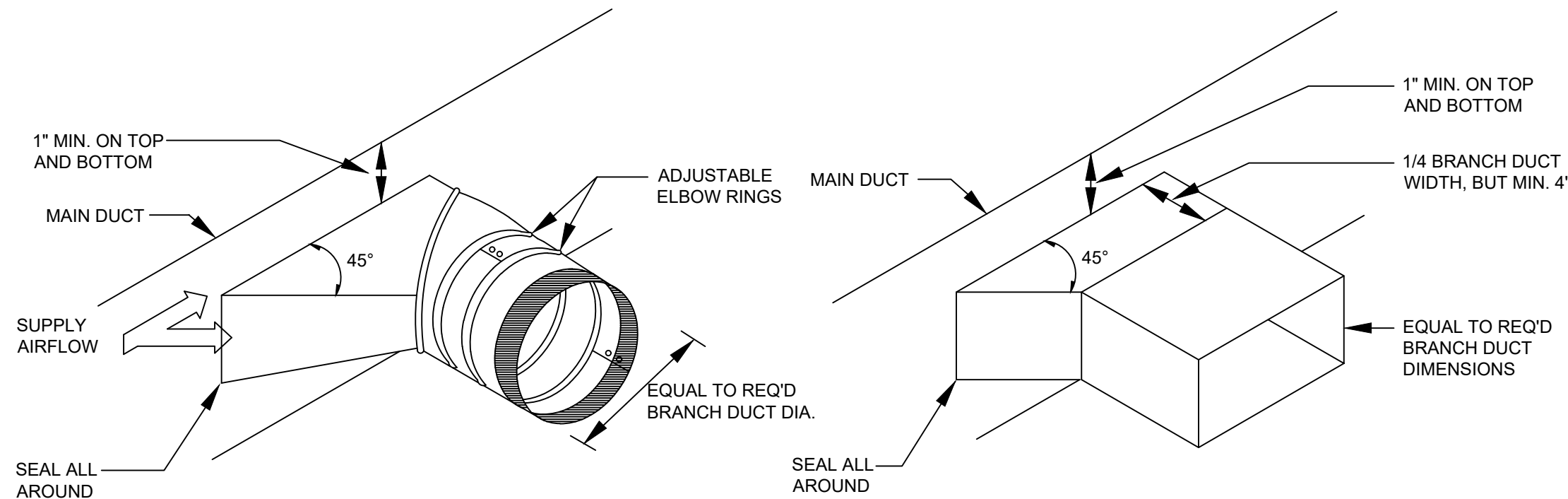
N.T.S.



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

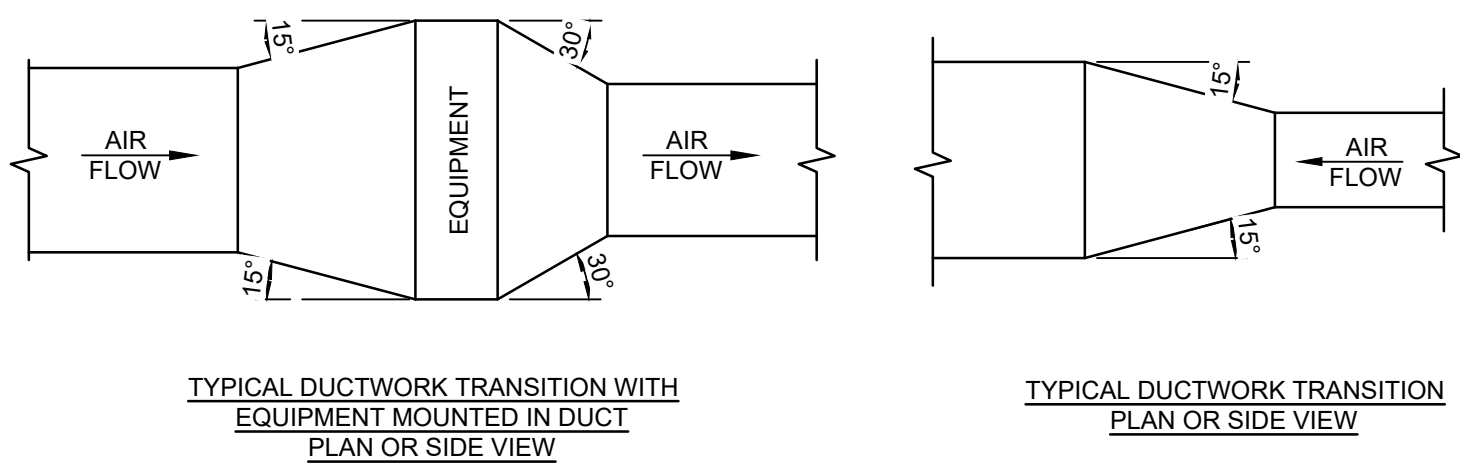
6 Ductwork Volume Damper Detail

N.T.S.



4 Typical Branch Take-Off Fitting Detail

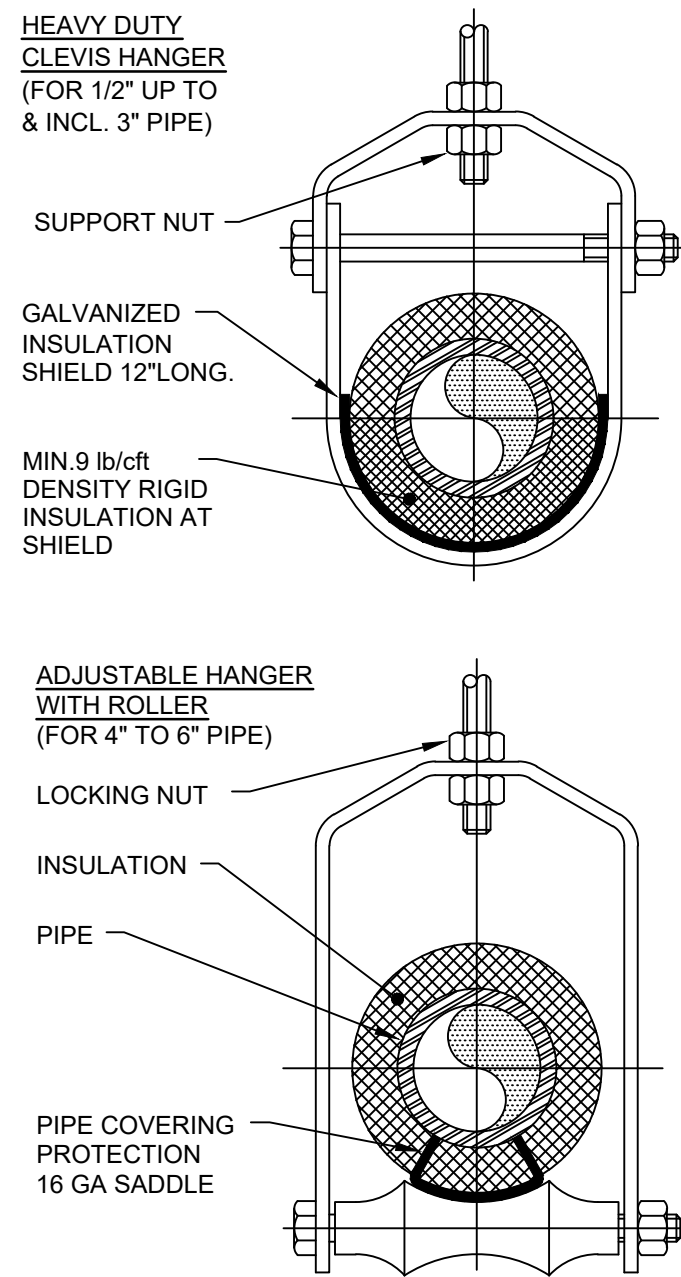
N.T.S.



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

7 Ductwork Transition Detail

N.T.S.



- NOTES:
- PIPE 8" AND LARGER SHALL HAVE ROLLER SUPPORTED WITH DUAL RODS.
 - 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

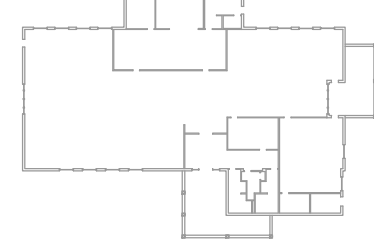
1 Pipe Hanger Support

N.T.S.

KEY PLAN:

'CORNWALL PUBLIC LIBRARY'

HUDSON ST.

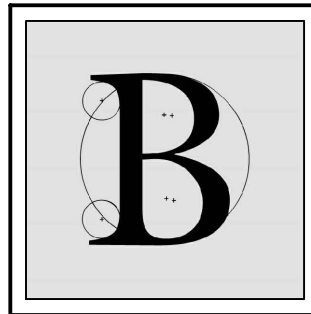


PROJECT:

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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MECHANICAL SCHEDULE & DETAILS

DATE:	DRN	CHK	DESCRIPTION
01.26.2023	BJK	BJK	CONSTRUCTION DWGS

REV.	DATE	DRN	CHK	DESCRIPTION

PROJECT NO.

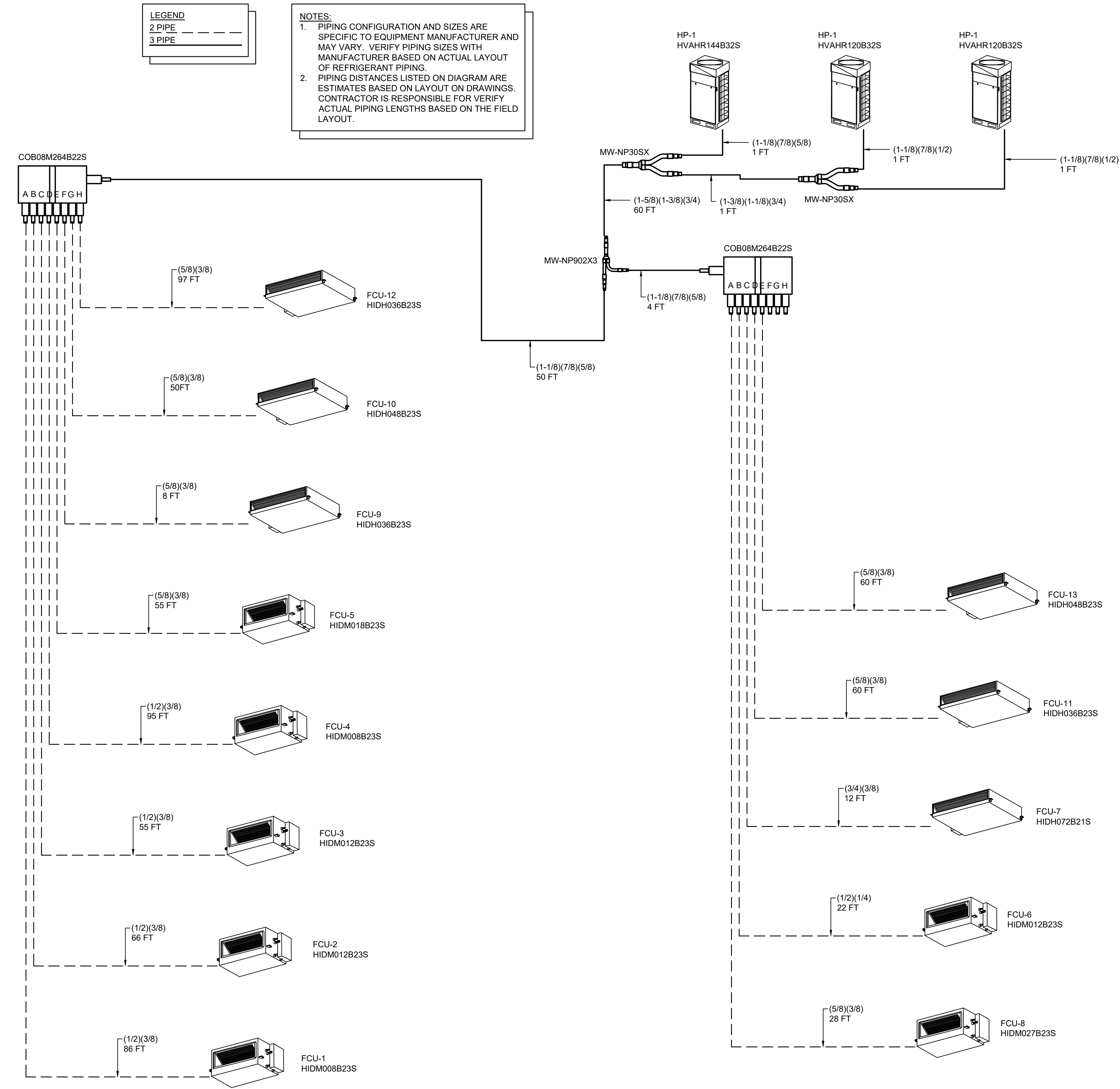
2150

SHEET NO.

M.103

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1 VRF System Piping Diagram
M.104 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:

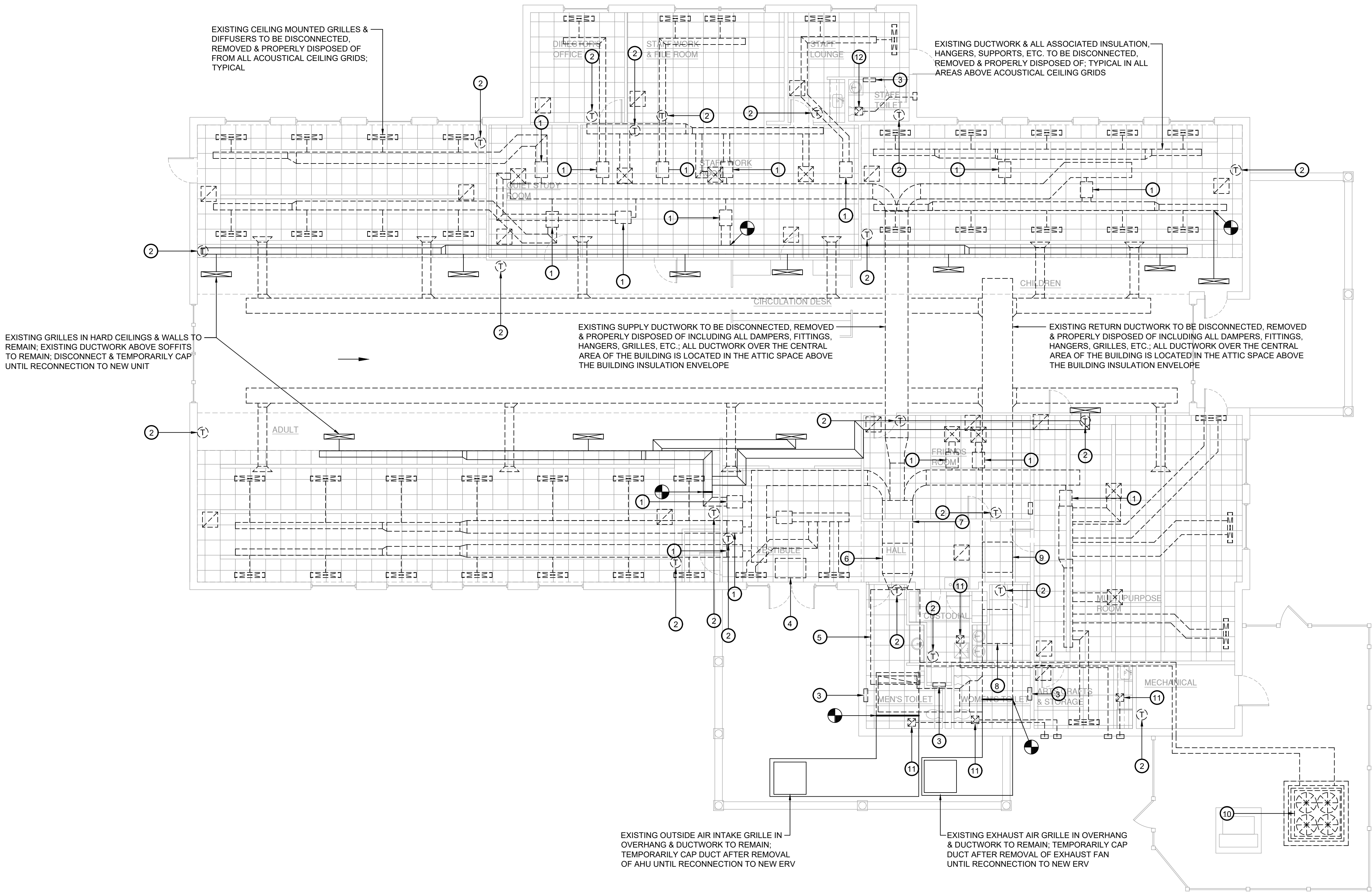
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VRF SYSTEM PIPING DIAGRAM				
DATE:		DRN	CHK	DESCRIPTION
01.26.2023		BJK	BJK	CONSTRUCTION DWGS
REV.	DATE:	DRN	CHK	DESCRIPTION
PROJECT NO.		SHEET NO.		
2150		M.104		
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1 Mechanical Demolition Plan
MD.201 Scale: 1/8" = 1'-0"

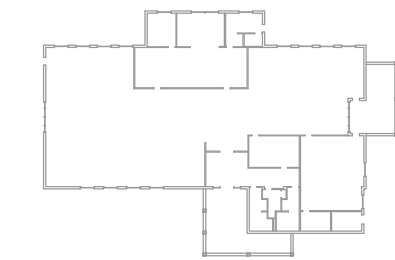
Key Notes:

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

KEY PLAN:

'CORNWALL PUBLIC LIBRARY'

HUDSON ST.

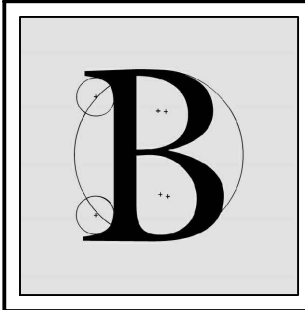


PROJECT:

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

SUB-CONSULTANT:

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MECHANICAL DEMOLITION PLAN

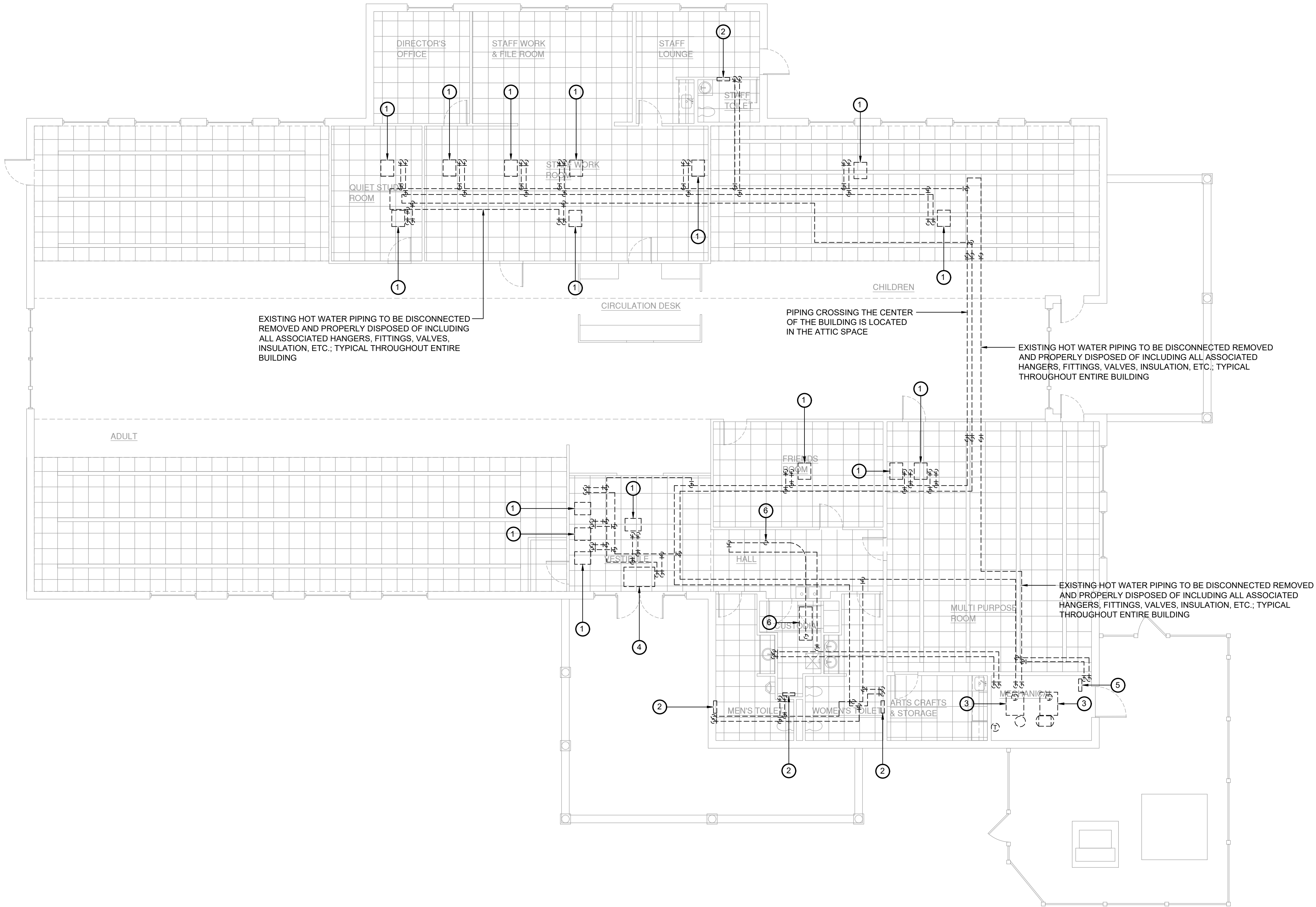
DATE:	DRN	CHK	DESCRIPTION
01.26.2023	BJK	BJK	CONSTRUCTION DWGS

REV.	DATE	DRN	CHK	DESCRIPTION

PROJECT NO.	SHEET NO.
2150	MD.201

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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'

HUDSON ST.

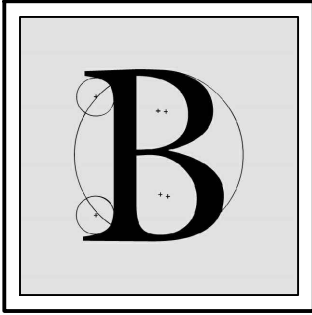
TRUE NORTH

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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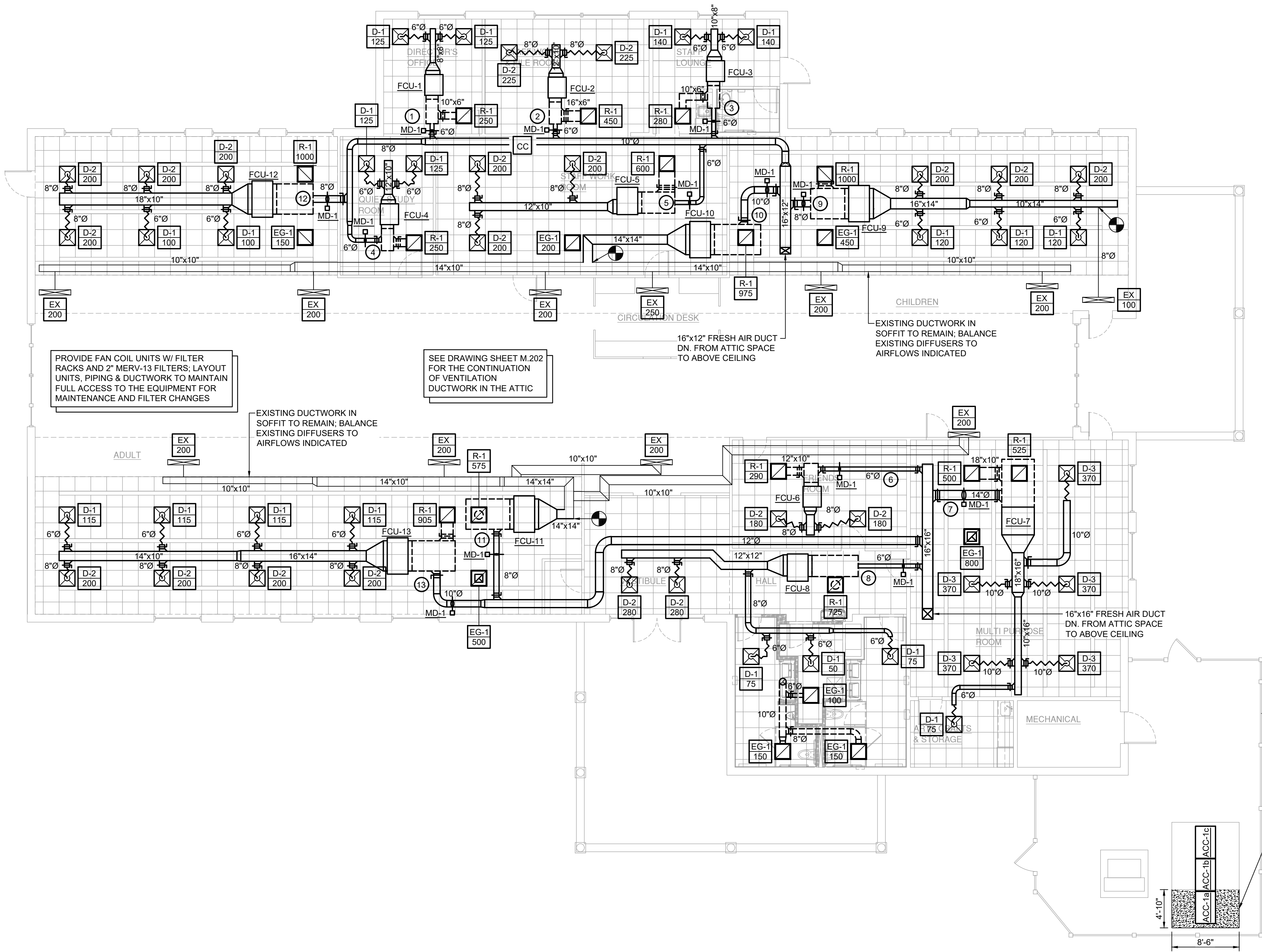
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HYDRONIC DEMOLITION PLAN

DATE:		DRN	CHK	DESCRIPTION
01.26.2023		BJK	BJK	CONSTRUCTION DWGS
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1 Mechanical Ductwork Plan
M.201 Scale: 1/8" = 1'-0"

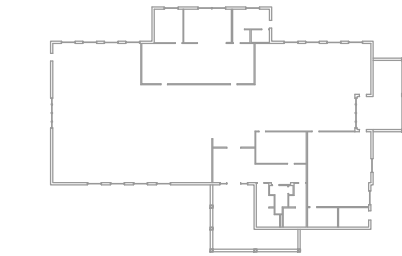
Key Notes:

- 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'

HUDSON ST.

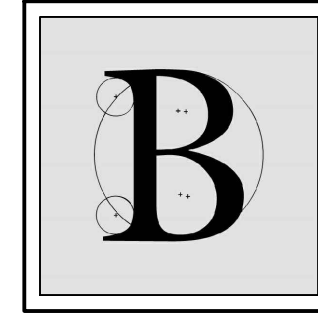


PROJECT:

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SED #44-03-01-06-6-009-006

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MECHANICAL DUCTWORK PLAN

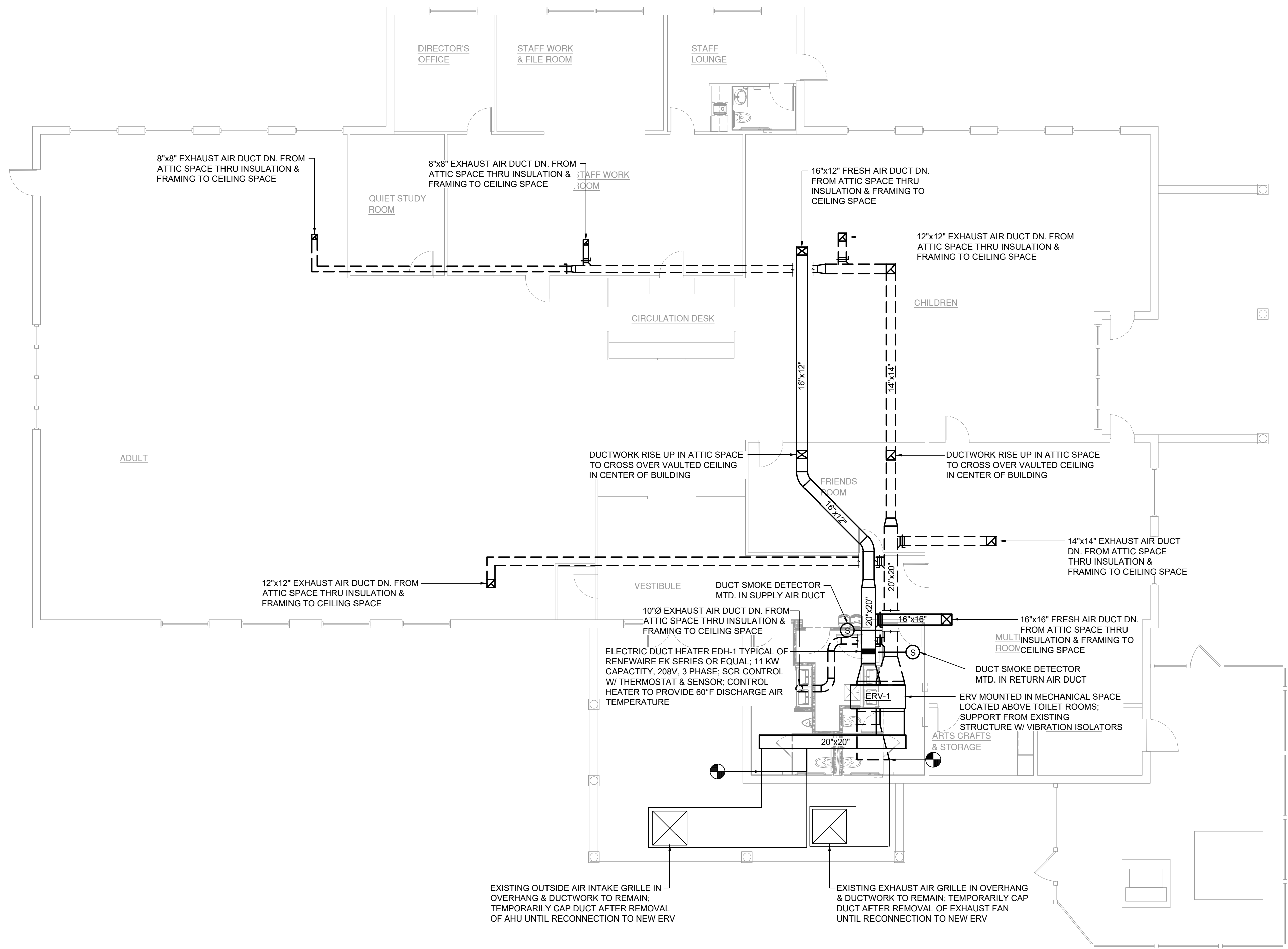
DATE:	DRN:	CHK:	DESCRIPTION:
01.26.2023	BJK	BJK	CONSTRUCTION DWGS

REV.	DATE:	DRN:	CHK:	DESCRIPTION:
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PROJECT NO.	SHEET NO.
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1 Attic Mechanical Plan
M.202 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
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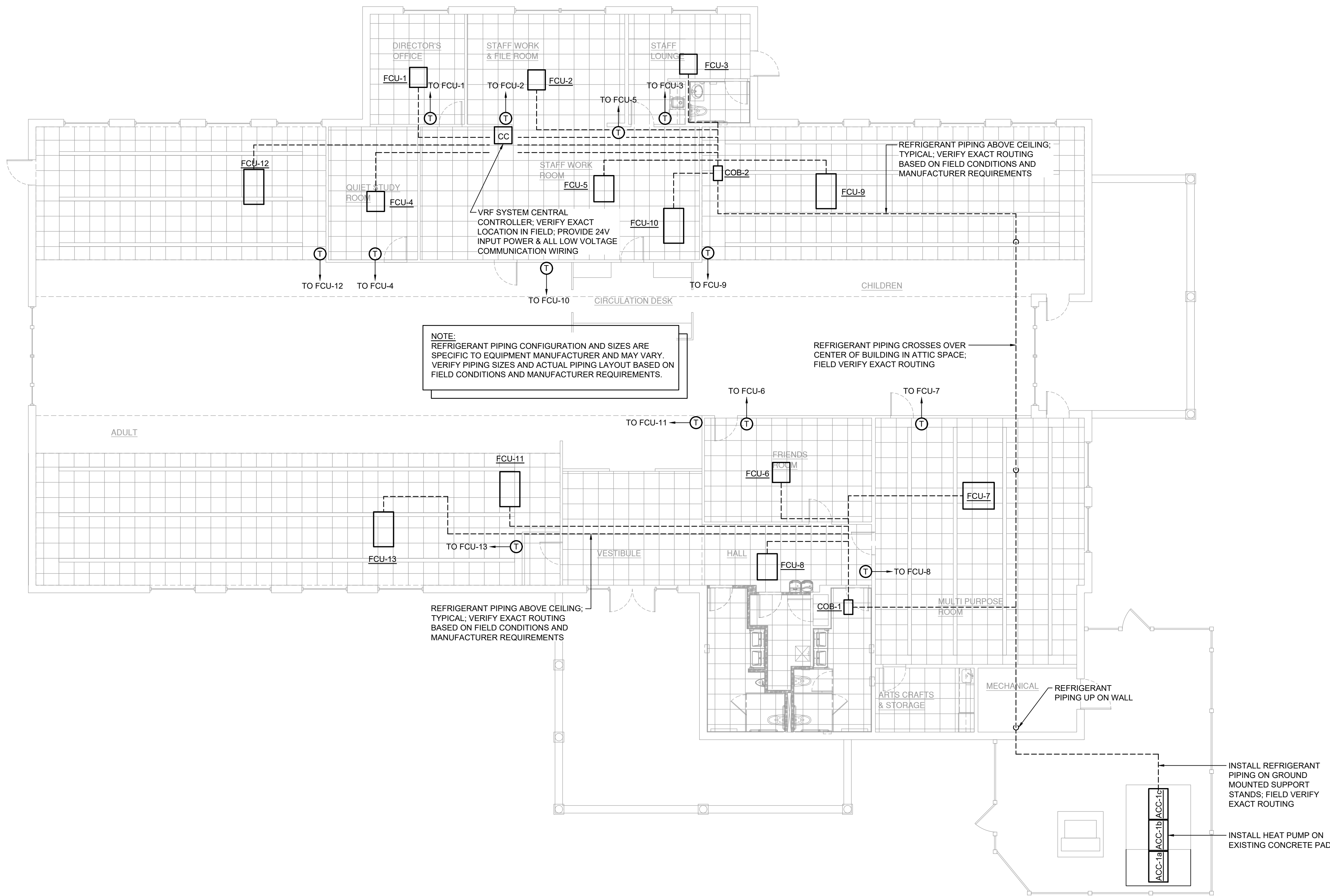

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ATTIC MECHANICAL PLAN

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

PROJECT NO.	SHEET NO.
2150	M.202

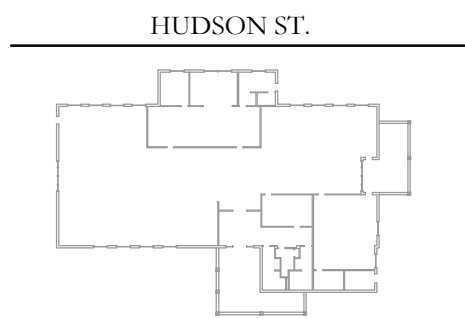
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1 Mechanical Piping Plan
M.301 Scale: 1/8" = 1'-0"

KEY PLAN:

'CORNWALL PUBLIC LIBRARY'

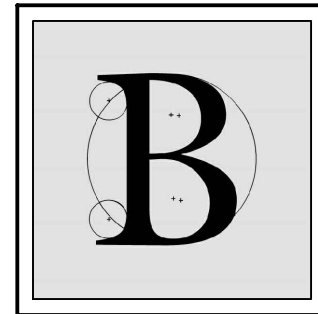


PROJECT:

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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MECHANICAL PIPING PLAN


DATE:	DRN	CHK	DESCRIPTION
01.26.2023	BJK	BJK	CONSTRUCTION DWGS

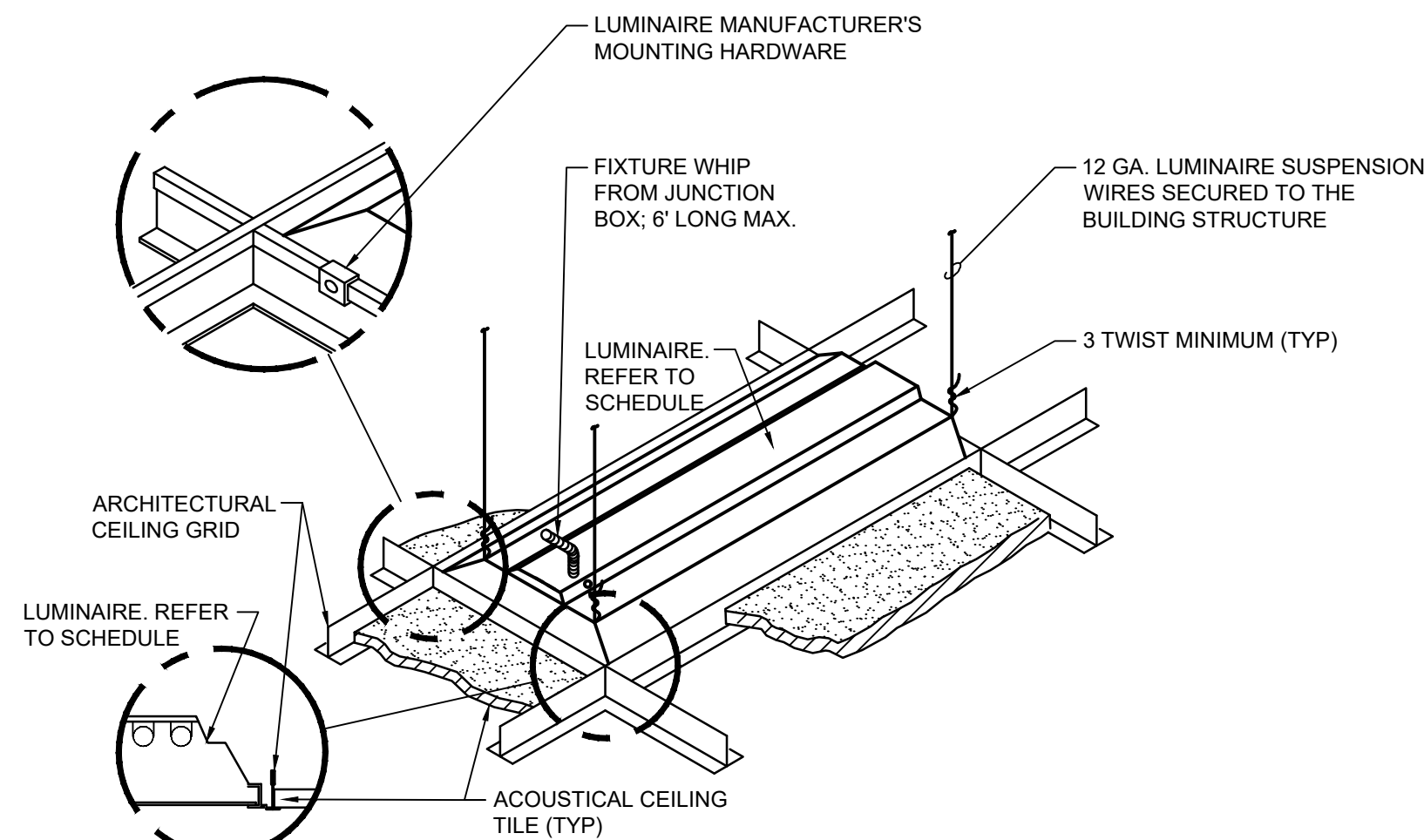
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PROJECT NO.	SHEET NO.
2150	M.301

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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:

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

1 Luminaire Mounting Detail - Lay-In Ceiling

ELECTRICAL LEGEND:

	MOTOR
	EARTH GROUND
	JUNCTION BOX
	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
	20A 120V USB CHARGER RECEPTACLE TYPICAL OF HUBBELL USB20X OR ACCEPTABLE EQUAL
	FLOOR BOX WITH STAINLESS COVER TYPICAL OF LEW ELECTRIC #0B-1-SP OR ACCEPTABLE EQUAL; PUSH BUTTON OPEN; FULLY IP66 RATED WATER PROOF (WHEN IN CLOSED POSITION); W/ 20A 125V E80120 GFCI RECEPTACLE (UNLESS OTHERWISE NOTED)
	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
	SWITCH BLANK = SINGLE POLE 3 = THREE-WAY D = DIMMER P = WITH PILOT LIGHT T = TIMER OPERATED X = EXPLOSION PROOF
	2 = DOUBLE POLE 4 = FOUR-WAY K = KEY OPERATED PB = PUSH BUTTON WP= WEATHER 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
	RATE OF RISE HEAT DETECTOR, 135°F
	CARBON MONOXIDE DETECTOR; MTD. 60" A.F.F.
	ADDRESSABLE FIRE ALARM CONTROL PANEL
	FIRE ALARM ANNUNCIATOR PANEL
	DUAL TECHNOLOGY SMOKE SENSOR

ELECTRICAL NOTES:

1. 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.
2. 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.
3. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF ALL OTHER TRADES.
4. 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.
5. ALL CUTTING, PATCHING, FIRE-STOPPING, AND SURFACE RESTORATION IN CONNECTION WITH THIS TRADE SHALL BE COMPLETED BY THIS CONTRACTOR.
6. A MINIMUM OF FOUR (4) COPIES OF SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT 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.
7. 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.
8. EQUIPMENT AND MATERIALS FOR WHICH UNDERWRITERS LABORATORIES INC. (UL) PROVIDES PRODUCT LISTING SERVICE SHALL BE LISTED AND BEAR THE LISTING MARK.
9. 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.
10. 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).
11. 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.
12. 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.
13. 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 (RSC), ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METAL CONDUIT (IMC), OR FLEXIBLE METALLIC ARMORED CABLE (GREENFIELD).
14. LIGHTING LOADS SHALL NOT BE COMBINED ON THE SAME CIRCUIT AS ANY OTHER ELECTRICAL LOADS.
15. 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.
16. 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.
17. 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.
18. 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.
19. 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.
20. 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.

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:

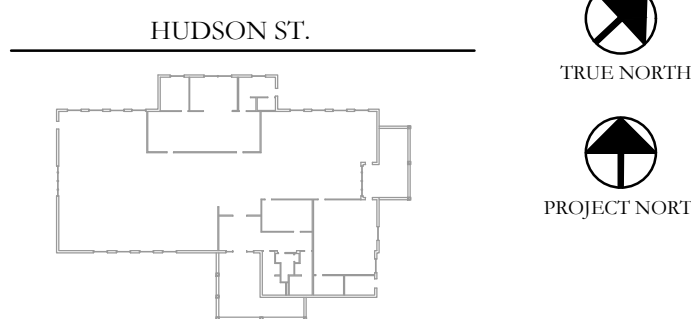
- FOR DOUBLE INSULATED EQUIPMENT ONLY.
- GREEN/YELLOW MAY BE USED:
 - GREEN/YELLOW SHALL BE GREEN WITH ONE OR MORE YELLOW STRIPES.
 - GREEN = 50 TO 70%, YELLOW = 50 TO 100%.
 - GREEN/YELLOW IS THE ONLY COLOR INTERNATIONALLY ACCEPTED FOR USE AS AN EQUIPMENT GROUNDING CONDUCTOR.
 - GREEN OR GREEN/YELLOW MUST ONLY BE USED FOR GROUNDING CONDUCTORS.

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 SHALL BE USED INTERNATIONALLY ACCEPTED FOR USE AS AN EQUIPMENT GROUNDING CONDUCTOR.
 - GREEN OR GREEN/YELLOW MUST ONLY BE USED FOR GROUNDING CONDUCTORS.

KEY PLAN:

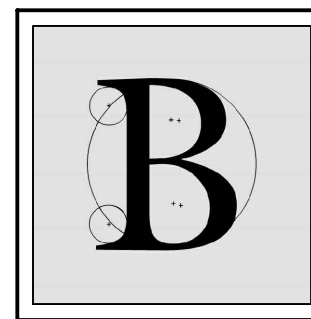
'CORNWALL PUBLIC
LIBRARY'



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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ENGINEERING PLLC
1898 COUNTY ROUTE 1
WESTTOWN, NEW YORK 10988
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 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

UNAUTHORIZED ALTERATION OR ADDITION TO THIS PLAN
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NEW YORK STATE EDUCATION LAW.

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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	
		20	27	-	-	-	28	20	(2) #12 CU & (1) #12 GND.	CH-1 - ELECTRIC HEATER	
KITCHENETTE RECEPTACLE	(2) #12 CU & (1) #12 GND.	20	29	-	-	-	30	20	EXISTING	EXIST-CHILDREN COLLECTION	
EXISTING GE A SERIES PANELBOARD				-	-	-	- KVA TOTAL				

- 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

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

CONTRACT #5

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 3 5	- - -	- - -	- - -	2 4 6	100	EXISTING	PANEL CP1	
HEAT PUMP	(3) #4 CU & (1) #8 GND.	70	7 9 11	- - -	- - -	- - -	8 10 12	100	EXISTING	PANEL L1	
HEAT PUMP	(3) #6 CU & (1) #10 GND.	60	13 15 17	- - -	- - -	- - -	14 16 18	100	EXISTING	PANEL P1	
HEAT PUMP	(3) #6 CU & (1) #10 GND.	60	19 21 23	- - -	- - -	- - -	20 22 24	20	EXISTING	SNOW MELT	
			25 27 29	- - -	- - -	- - -	26 28 30	20	EXISTING	SNOW MELT	
SPARE	-	15	31 33 35	- - -	- - -	- - -	32 34 36	20	EXISTING	SNOW MELT	
SPARE	-	15	37 39 41	- - -	- - -	- - -	38 40 42	20	EXISTING	SNOW MELT	
EXISTING	-	20	43	-	-	-	44	40	EXISTING	SURGE SUPPRESSOR	
EXISTING	-	20	45	-	-	-	46	-	-	SPACE	
SPACE	-	-	47	-	-	-	48	-	-	SPACE	
EXISTING GE A SERIES PANELBOARD				23.68	21.45	18.78	63.91 KVA TOTAL				

- 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

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

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/NL'S	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	
EXISTING GE A SERIES PANELBOARD				-	-	-	- KVA TOTAL				

- 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

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

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				
EXIST-REC-COPIER FLOOR	EXISTING	20	17	-	-	-	18	20	EXISTING	EXIST-HUMIFIER	
EXIST-REC-COPIER FLOOR	EXISTING	20	19	-	-	-	20	20	EXISTING	EXIST-REC-BOILER RM	
FAN COIL UNITS	(2) #12 CU & (1) #12 GND.	20	21	-	-	-	22	20	EXISTING	EXIST-REC-LOBBY	
			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	
			31	-	-	-	32				
ERV-1	(3) #12 CU & (1) #12 GND.	20	33	-	-	-	34	40	(3) #8 CU & (1) #10 GND.	ELECTRIC DUCT HEATER	
			35	-	-	-	36				
EXIST-SPARE	EXISTING	20	37	-	-	-	38	20	(2) #12 CU & (1) #12 GND.	PLUMBING FIXTURES	
EXIST-HANDICAP DOOR	EXISTING	20	39	-	-	-	40				
EXIST-VAX BOXES	EXISTING	20	41	-	-	-	42	30	EXISTING	EXIST-STOVE TOP	
EXISTING GE A SERIES PANELBOARD				-	-	-	- KVA TOTAL				

- 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

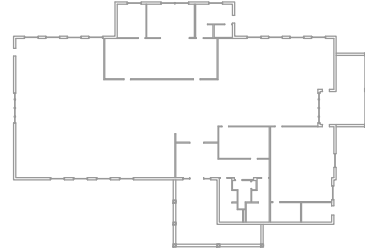
4 Existing Panelboard P-1
E.102 Scale: None

ADD ALTERNATE
EC-01

KEY PLAN:

'CORNWALL PUBLIC
LIBRARY'

HUDSON ST.

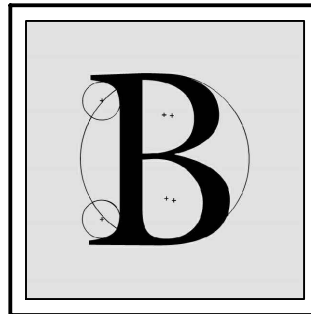


PROJECT:

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:



BLAKE
ENGINEERING PLLC

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WESTTOWN, NEW YORK 10998
TEL:845-467-9207 FAX:845-767-5050
M.BLAKE@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 PANEL
SCHEDULES

DATE:	DRN	CHK	DESCRIPTION
01.26.2023	BJK	BJK	CONSTRUCTION DWGS

REV.	DATE	DRN	CHK	DESCRIPTION

PROJECT NO.

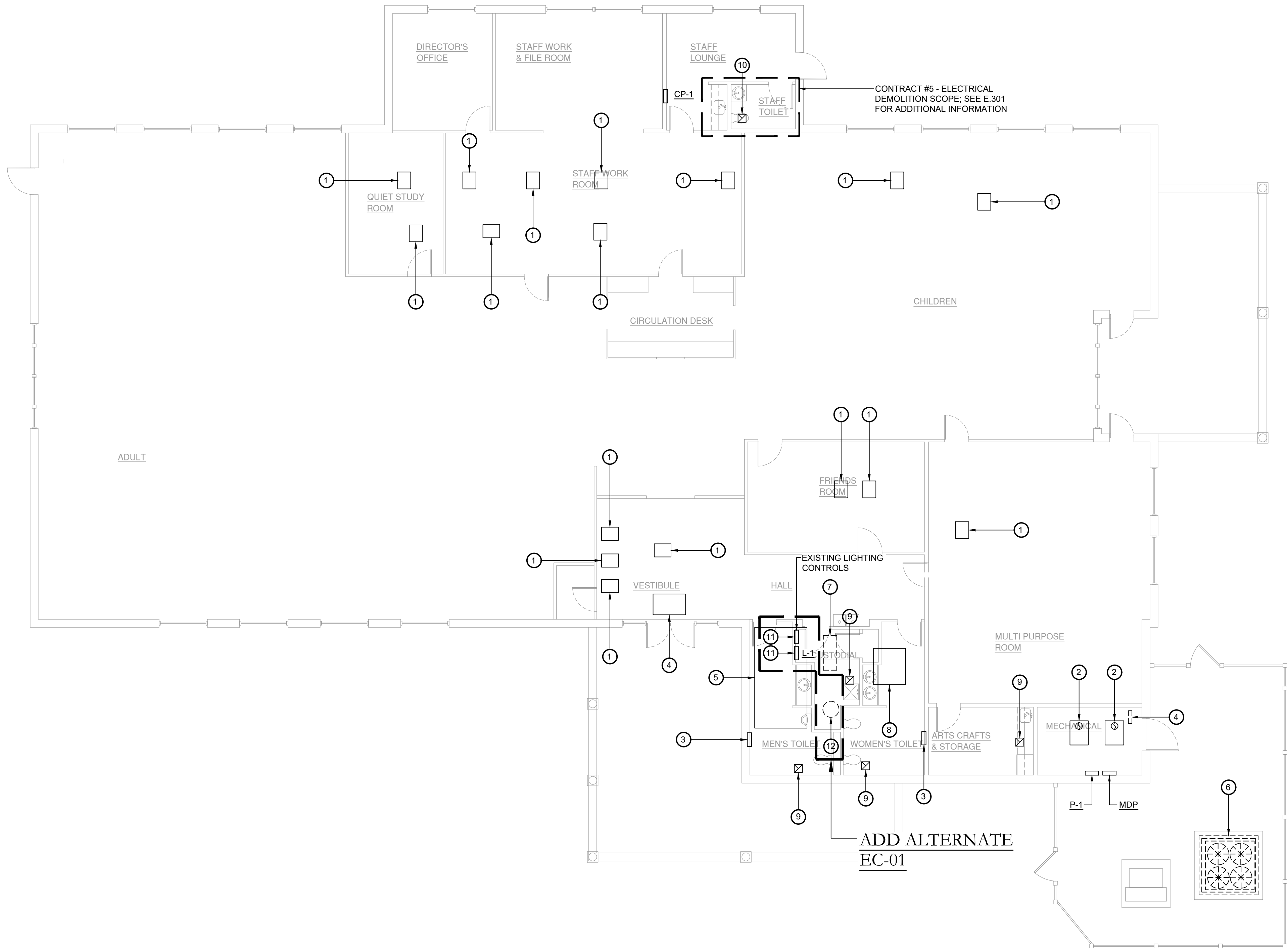
2150

SHEET NO.

E.102

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

Key Notes:

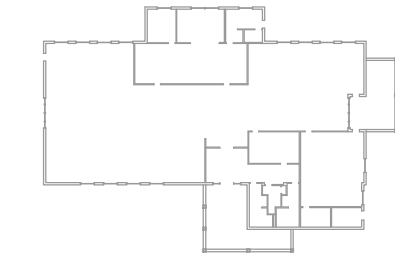
- EXISTING VAV BOX TO BE REMOVED BY MC; DISCONNECT, REMOVE & PROPERLY DISPOSE OF POWER BACK TO SOURCE INCLUDING ALL ASSOCIATED DISCONNECTS, WIRING AND CONDUITS
- EXISTING BOILER & ASSOCIATED BURNER, PUMPS, CONTROLS, ETC. TO BE REMOVED BY MC; DISCONNECT, REMOVE & PROPERLY DISPOSE OF POWER BACK TO SOURCE INCLUDING ALL ASSOCIATED DISCONNECTS, WIRING AND CONDUITS
- 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
- 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
- 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
- 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
- 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
- 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
- EXISTING EXHAUST FAN TO BE REMOVED BY MC; DISCONNECT, REMOVE & PROPERLY DISPOSE OF POWER BACK TO SOURCE INCLUDING ALL ASSOCIATED DISCONNECTS, WIRING AND CONDUITS
- EXISTING EXHAUST FAN TO BE REMAIN; DISCONNECT POWER SOURCE AND RECONNECT AS NEEDED TO TEMPORARILY REMOVE FAN FOR CEILING REPLACEMENT
- 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
- 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

KEY PLAN:

'CORNWALL PUBLIC LIBRARY'

HUDSON ST.

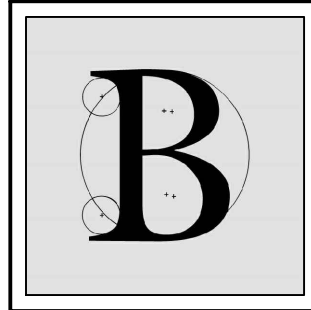


PROJECT:

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:



BLAKE ENGINEERING PLLC

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

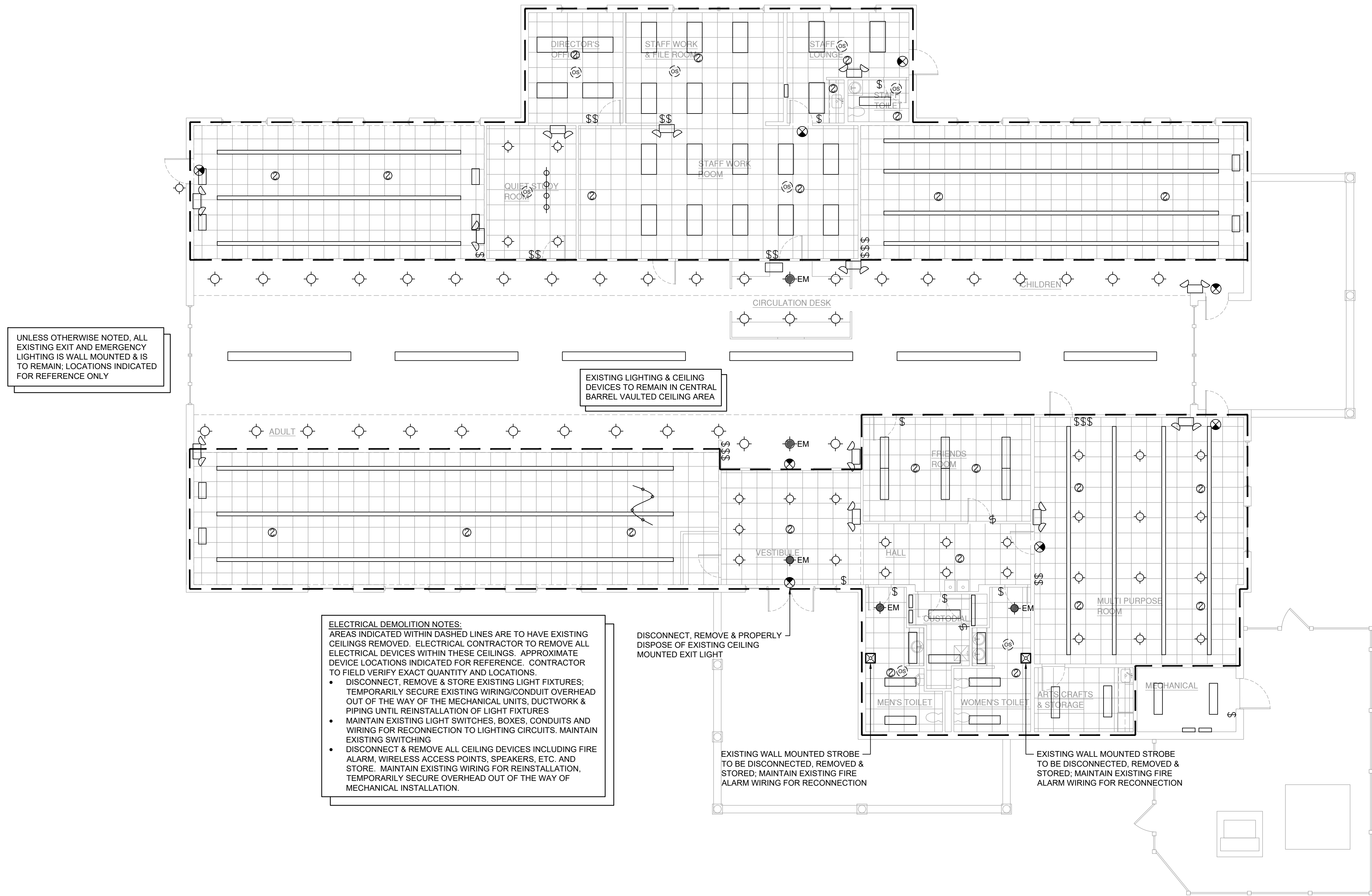
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SHEET NO.

ED.201

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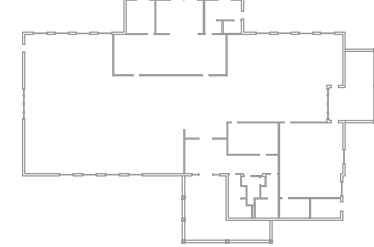


1 Lighting Demolition Plan
ED.202 Scale: 1/8" = 1'-0"

KEY PLAN:

'CORNWALL PUBLIC LIBRARY'

HUDSON ST.

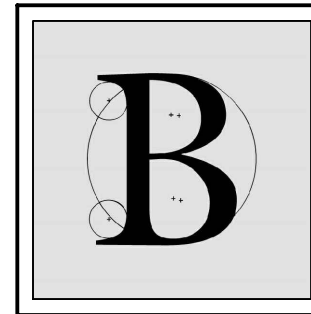


PROJECT:

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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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.

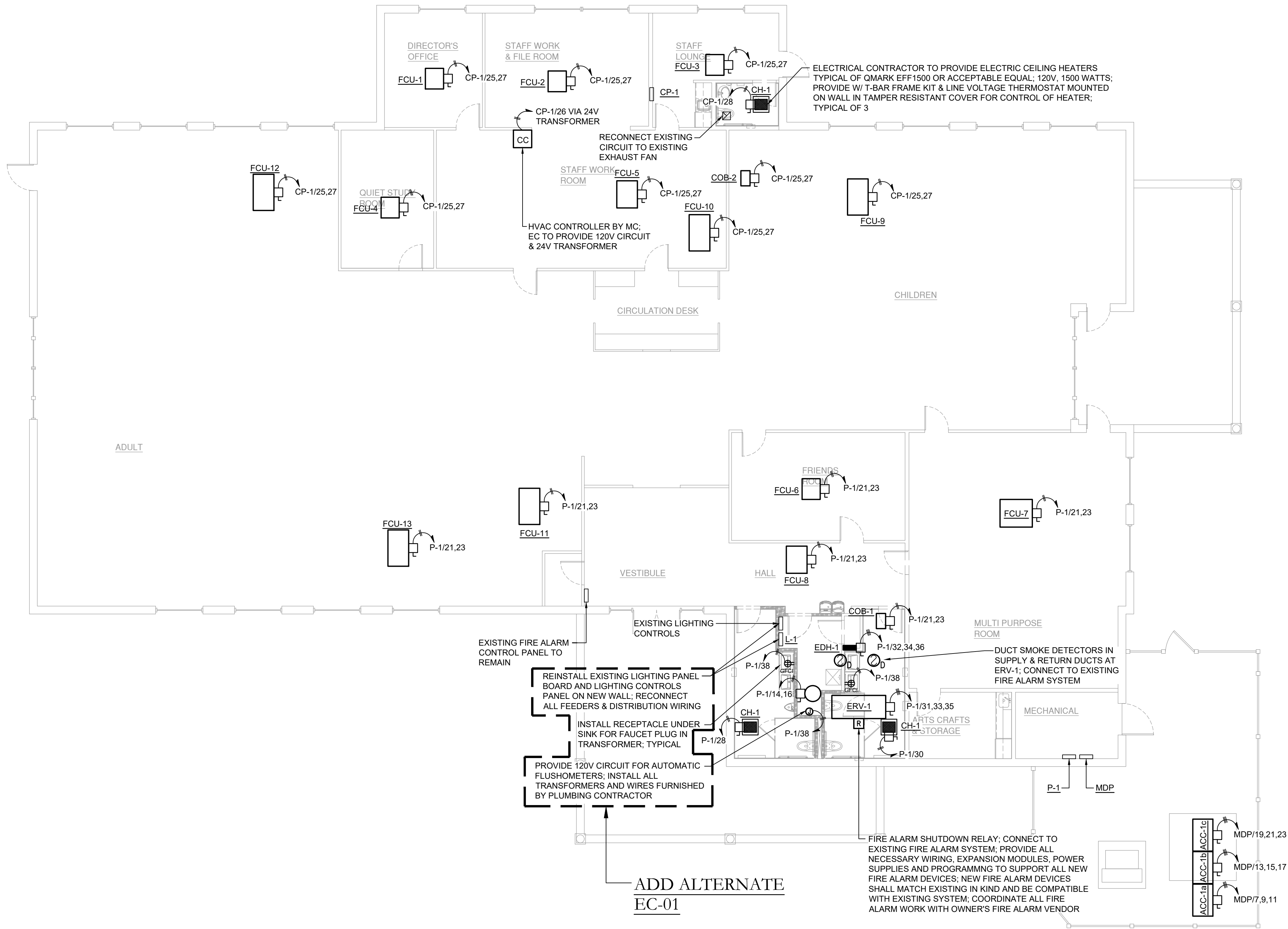
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SHEET NO.

ED.202

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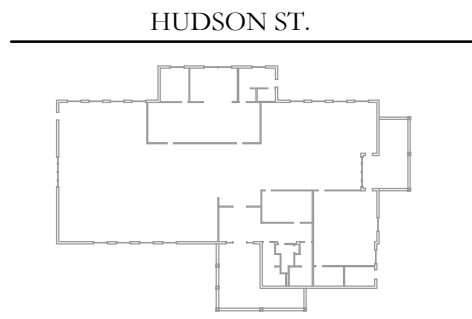
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1 Electrical Plan
E.201 Scale: 1/8" = 1'-0"

KEY PLAN:

'CORNWALL PUBLIC LIBRARY'

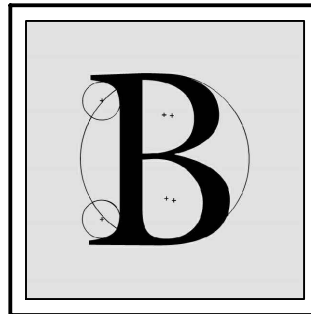


PROJECT:

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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ELECTRICAL PLAN

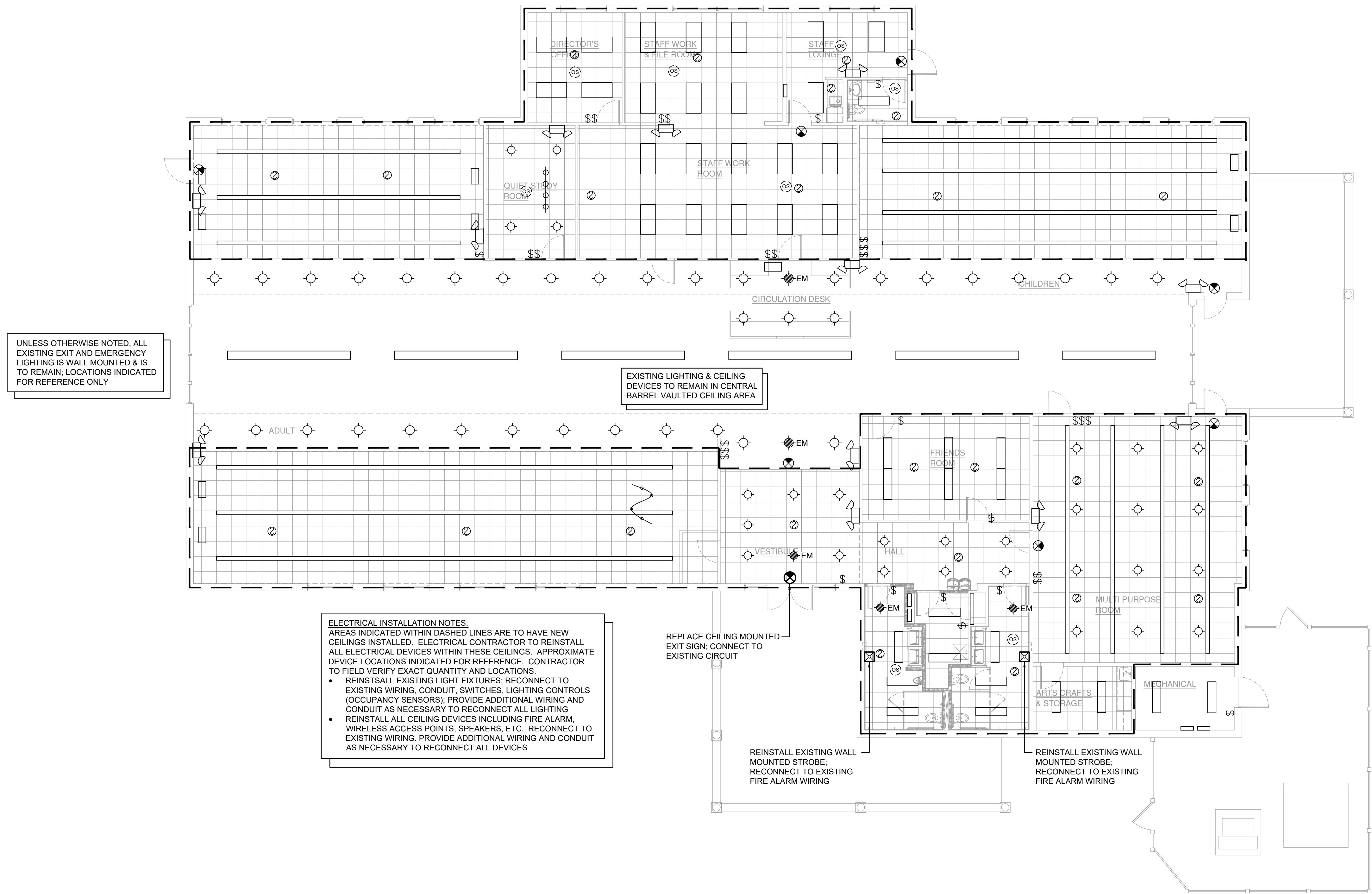
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01.26.2023	BJK	BJK	CONSTRUCTION DWGS

REV.	DATE	DRN	CHK	DESCRIPTION

PROJECT NO.	SHEET NO.
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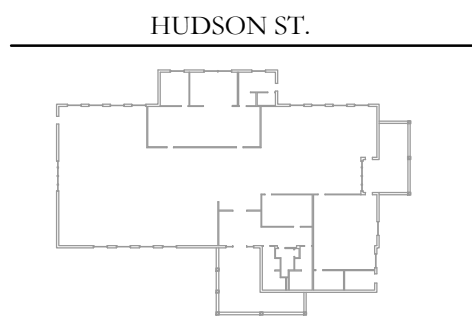
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1 Lighting Plan
E.202 Scale: 1/8" = 1'-0"

KEY PLAN:

'CORNWALL PUBLIC LIBRARY'

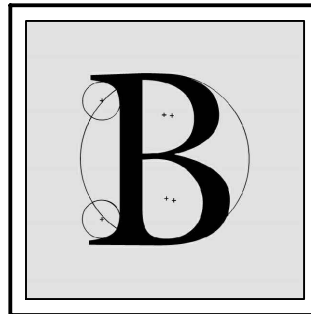


PROJECT:

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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MA - 53197 CT - 32283 FL - 85928

LIGHTING PLAN

DATE:	DRN	CHK	DESCRIPTION
01.26.2023	BJK	BJK	CONSTRUCTION DWGS

REV.	DATE	DRN	CHK	DESCRIPTION

PROJECT NO.	SHEET NO.
2150	E.202

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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

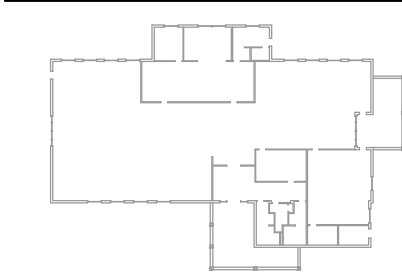
EXISTING WATER CLOSET TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF. DEMOLISH SANITARY, VENT & WATER PIPING BACK TO MAINS AT FLOOR AND/OR WALL & CAP; MAINTAIN SERVICES FOR RECONNECTION TO NEW FIXTURE(S)
- 3

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'

HUDSON ST.

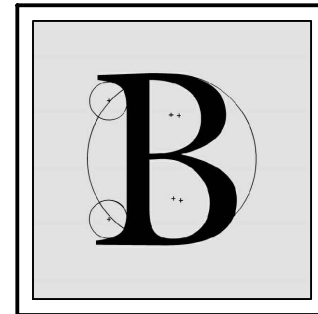


PROJECT:

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

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.

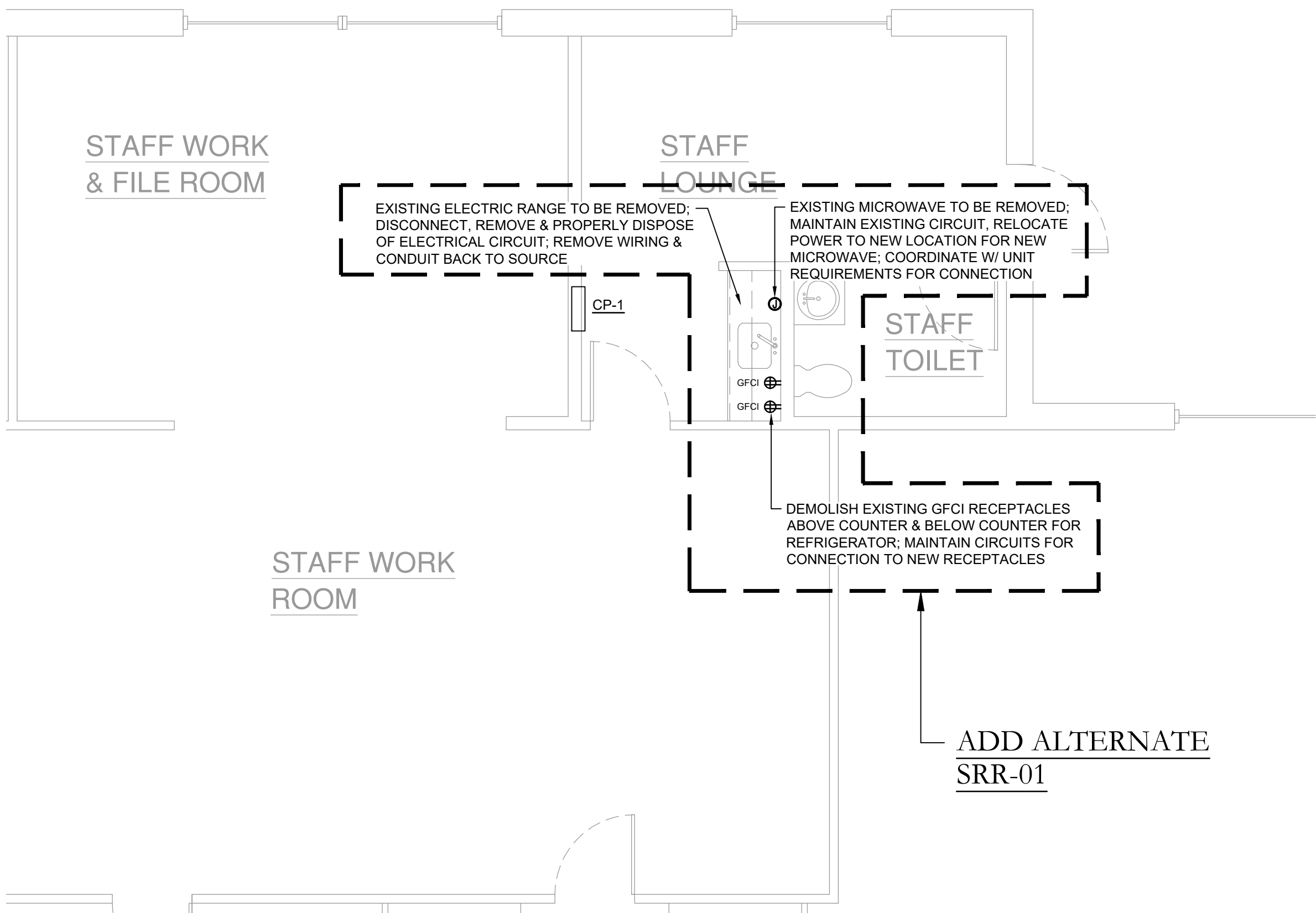
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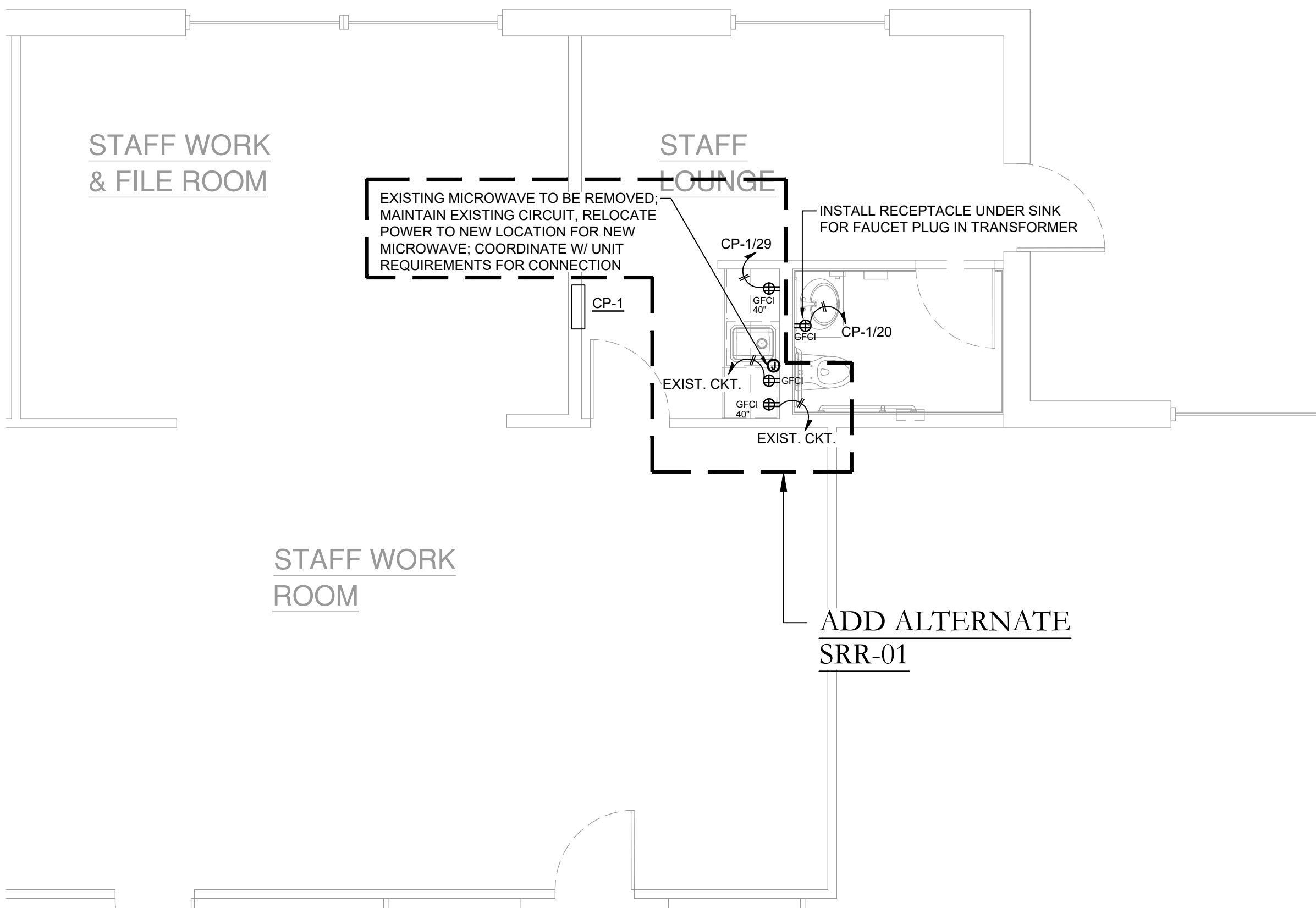
E.301

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1 Electrical Demolition Plan
Scale: 1/4" = 1'-0"



2 Electrical Plan
Scale: 1/4" = 1'-0"