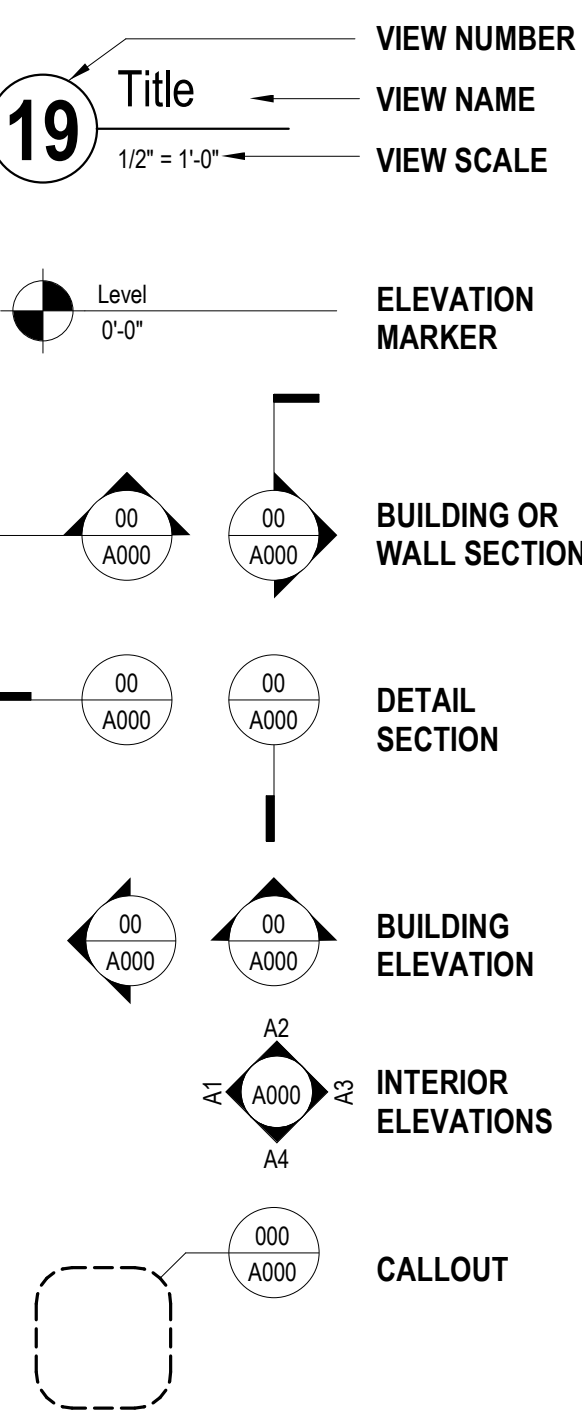


ABBREVIATIONS

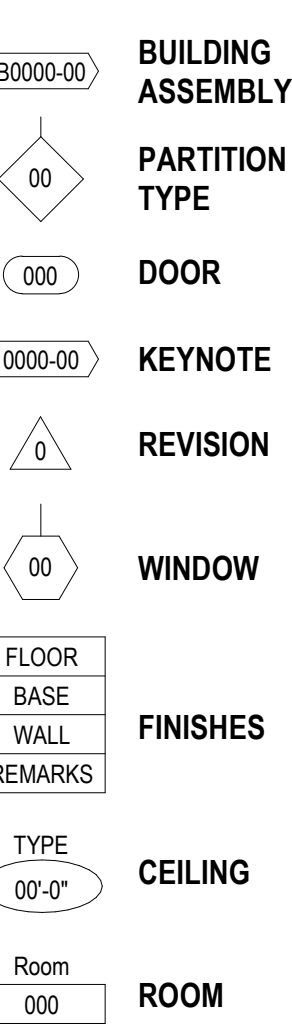
A at A/C air condition A/E Architect/Engineer ACC accessible ACT acoustic ceiling tile ADD additional ADDN addendum AFC above finished floor AFF above finished floor AFS above finished grade AFS above finished slab ALT alternate ALUM aluminum APD approved AP acoustic panel APPROX approximate ASC above suspended ceiling ARCH Architectural AV Audio Visual	C (continued) CNTR counter CL centerline CLO closet CLOE fluid applied CM construction management CMU concrete masonry unit CNC cleanout COL column CONC concrete CORR corridor CONT continuous CPT carpet CSWK casework CT ceramic tile CTC ceramic tile base	E F filler FA fire alarm FA fluid-applied FAB fabric FB floor box FC file cabinet FD floor drain FE fire extinguisher FEC fire extinguisher cabinet FHC fire hose cabinet FHT fixture FLR floor FO finished opening FP fire protection FP fireproof FR fire retardant/ resistant FRP fiberglass reinforced panel/polyester/ plastic FRT fire resistant treated FT feet, foot FTG footing	J JAN janitor JBOX junction box JS janitor sink JT joint	L L angle L length/ long LAB laboratory LAM laminate LAV lavatory LBS Pound(S) LF linear foot LH left hand LKR locker L live load	M MACH machine MATL material MAX maximum MB marker board MECH mechanical MED medium MEP mechanical, electrical, plumbing MEZZ mezzanine MFR manufacturer MICRO microwave oven MIN minimum, minute MISC miscellaneous MO masonry opening MS mop sink MTL metal
B BD board BLDG building BLK blocking/block BLW borrowed light BPL base plate BO bottom of BOD basis of design BOS bottom of steel BRG bracing BUR built-up roofing	D DEMO demolition DEPT department DIA diameter DIAG diagonal DISP dispenser DR door DR FR door frame DTL detail DN down DOWNSIDE down DW dishwasher DWG drawing	G GA gauge GALV galvanized GB grab bar GC general contractor GFCI ground fault circuit interrupter GL glass GLT glass tile GLU LAM glue laminated wood GR grade, grading GT gasket GWB gypsum wall board GYP BD gypsum board	N N north NA not applicable NIC not in contract NO number NM nominal NS no scale NTS not to scale	O OC on center OC on corner OD Drain (overflow) OF outside OFDI outside drain OFDI contractor installed OFDI owner installed OFVI owner furnished, owner installed OFVI overhead ceiling drain OPH opposite hand OPPOSITE opposite OPNG opening OSHA occupational safety and health association	
C channel CON construction administration CAB cabinet CB catch basin CBFR construction bulletin CFDI construction documents contractor furnished, contractor installed CFDI owner metal framing CFDI contractor furnished, owner installed CFVI contractor furnished, vendor installed CG corner guard CG cast-in-place concrete CL control joint CJ control joint CNP construction joint CMP composite CORN corner CR cast reader CTR center	E E east EIRS exterior insulation & finish system ELEV elevation ELEV elevator ELEC electrical EMBED embedded ENCL enclosure EXP expanded EPS polystyrene board EQ equal EQUIP equipment EXM existing to remain EXST existing EXP expand, expansion EXT exterior	H HB hose bibb HC hollow core HCP hot/cold pipe HWD hardwood HM hollow metal HORIZ horizontal HGT height HVAC heating, ventilating cooling HSS hollow structural shape HT hot water ID inside ID inside diameter INSUL insulation INCHES inches INCL include INFO information INT interior	O OF outside OFDI outside drain OFDI contractor installed OFDI owner installed OFVI owner furnished, owner installed OFVI overhead ceiling drain OPH opposite hand OPPOSITE opposite OPNG opening OSHA occupational safety and health association		

SYMBOL LEGEND

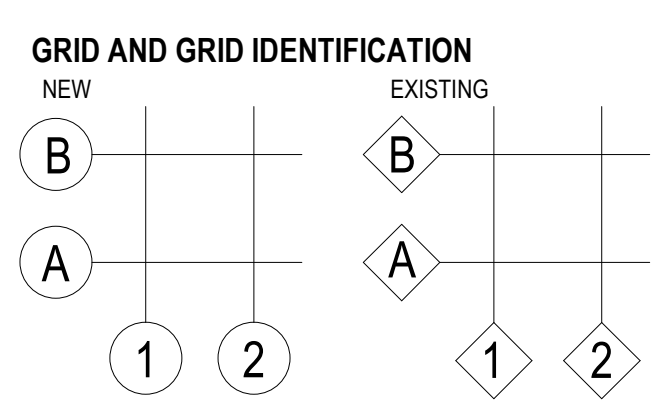
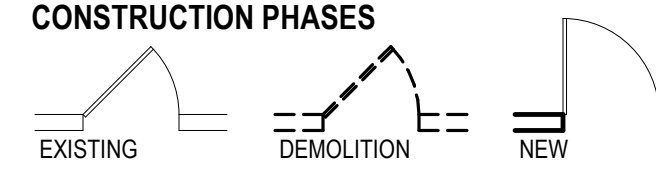
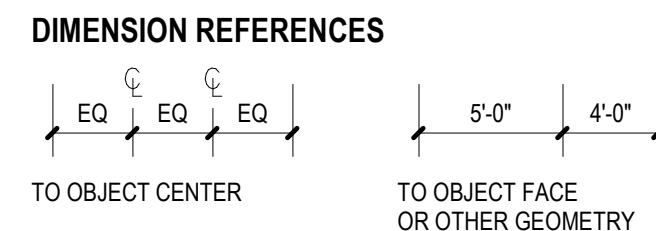
CALLOUTS



TAGS

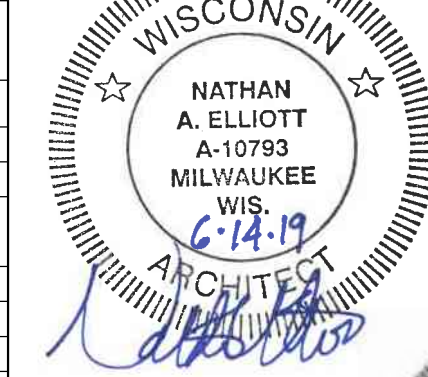


GRAPHICS



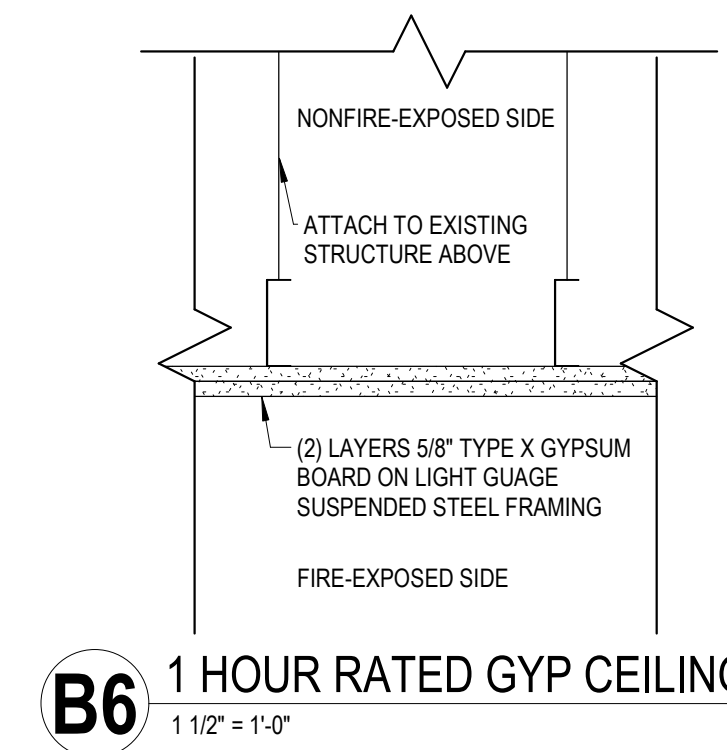
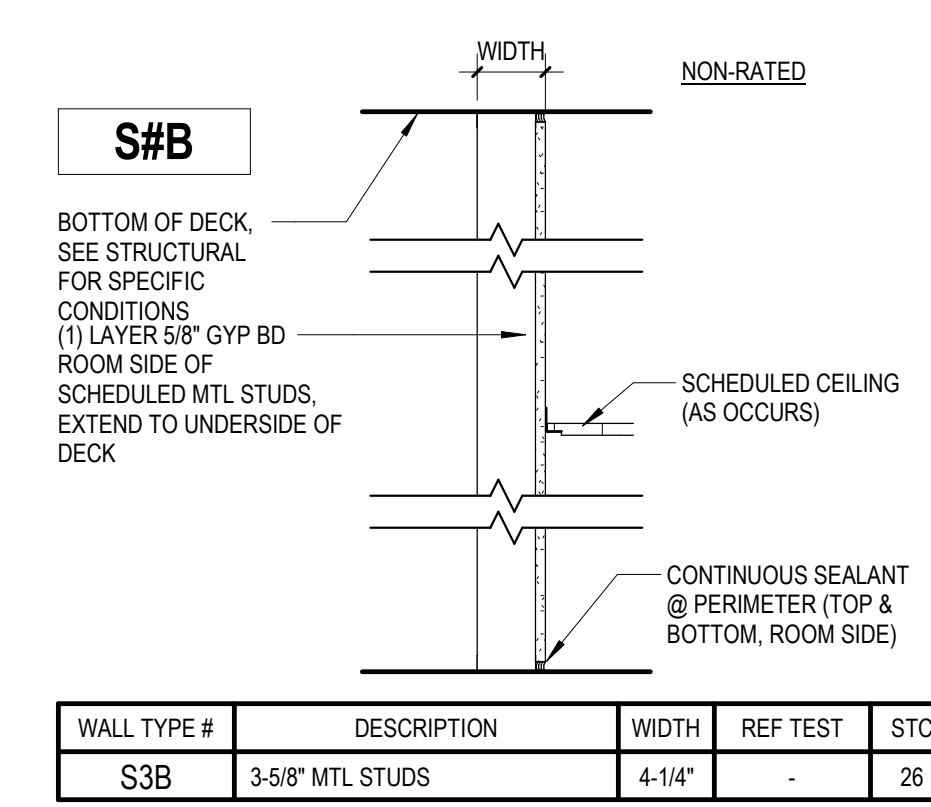
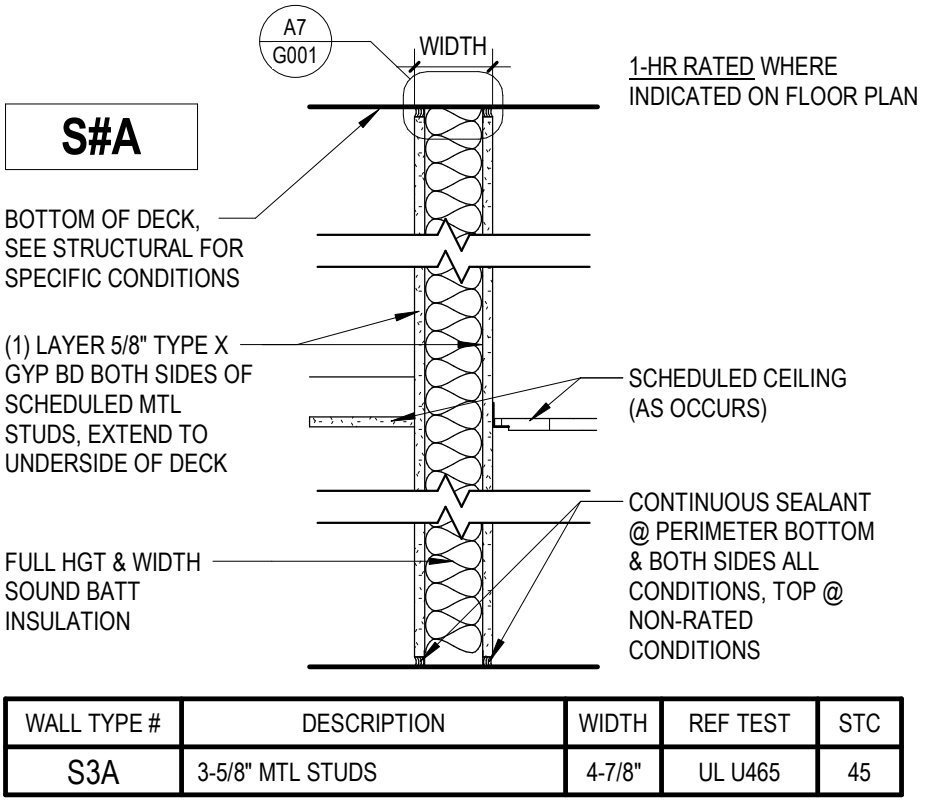
SHEET INDEX

Sheet Number	Sheet Name
GENERAL	
G001	INDEX, ABBREVIATIONS, ASSEMBLY TYPES, & MOUNTING HEIGHTS
ARCHITECTURAL	
A101	FLOOR PLANS - ATKINSON STREET BRANCH
A102	FLOOR PLANS - CENTER STREET BRANCH
A103	FLOOR PLANS - CENTRAL LIBRARY
A600	SCHEDULES AND DOOR DETAILS
PLUMBING	
P001	PLUMBING SCHEDULES, NOTES, LEGENDS, ABBREVIATIONS, & RISER DIAGRAMS
P101	PLUMBING FLOOR PLAN - ATKINSON STREET BRANCH
P102	PLUMBING FLOOR PLANS - CENTER STREET BRANCH
MECHANICAL	
M001	MECHANICAL SCHEDULES, NOTES, LEGEND, ABBREVIATIONS, & DETAILS
M101	MECHANICAL FLOOR PLANS - ATKINSON STREET BRANCH
M102	MECHANICAL FLOOR PLANS - CENTER STREET BRANCH
ELECTRICAL	
E001	ELECTRICAL NOTES, LEGENDS, & ABBREVIATIONS
E101	ELECTRICAL FLOOR PLANS - ATKINSON STREET BRANCH
E102	ELECTRICAL FLOOR PLANS - CENTER STREET BRANCH
E103	ELECTRICAL FLOOR PLANS - CENTRAL LIBRARY
E104	ELECTRICAL SCHEDULES



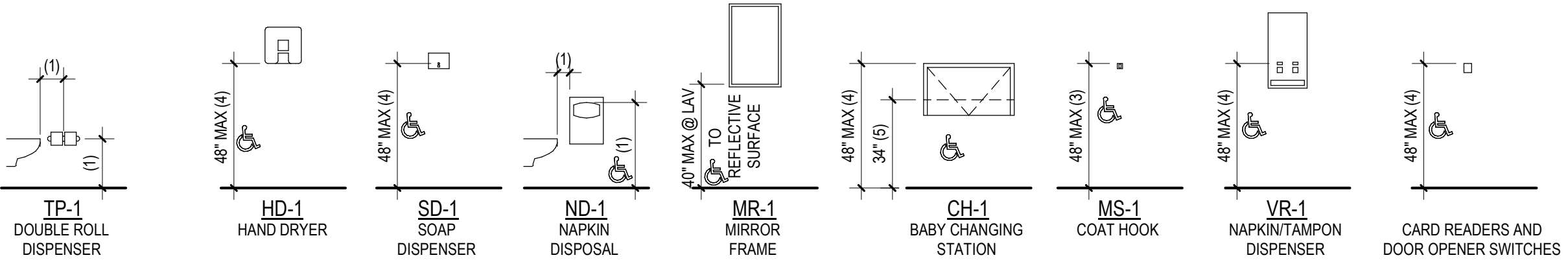
GENERAL NOTES

- ALL WORK IS TO BE COMPLETED IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, ORDINANCES AND REGULATIONS.
- PRIOR TO BEGINNING WORK IN ANY AREA, ALL EXISTING CONDITIONS AND DIMENSIONS ARE TO BE VERIFIED IN FIELD. ANY DISCREPANCIES BETWEEN THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS AND EXISTING CONDITIONS ARE TO BE REPORTED TO THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
- ALL EXISTING ELEMENTS ARE TO BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGE IS TO BE REPAIRED OR REPLACED BY THE RESPONSIBLE TRADE AT THEIR OWN EXPENSE.
- CONTRACTOR TO IDENTIFY ALL UTILITY LOCATIONS PRIOR TO BEGINNING WORK.

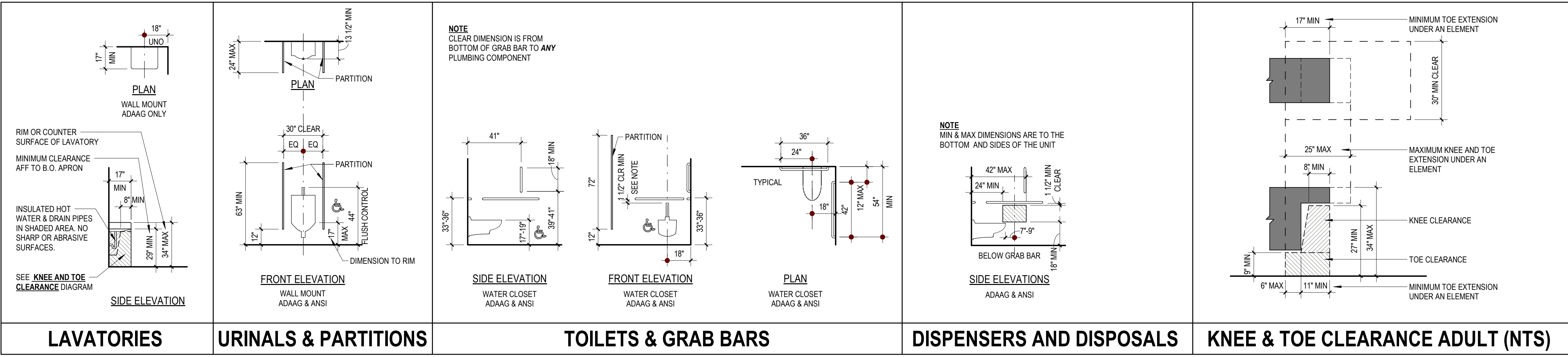


DIMENSION NOTES

- SEE DISPENSERS AND DISPOSALS DIAGRAM FOR ADDITIONAL MOUNTING INFORMATION
- TOP OF WASTE OPENING
- TOP OF HOOK
- TOP OF OPERABLE PART
- TOP OF CHANGING BED



TYP MOUNTING HEIGHTS



PROJECT INFORMATION

MILWAUKEE PUBLIC LIBRARY:
MULTI-BUILDING ALTERATIONS

ATKINSON STREET BRANCH

CENTER STREET BRANCH

CENTRAL LIBRARY

ISSUANCE AND REVISIONS

#	DATE	DESCRIPTION
1	Date 1	Revision 1

KEY PLAN

SHEET INFORMATION

PROJECT MANAGER	NE
PROJECT NUMBER	201829-01
DATE	06-03-2019

INDEX,
ABBREVIATIONS,
ASSEMBLY TYPES,
& MOUNTING
HEIGHTS

G001

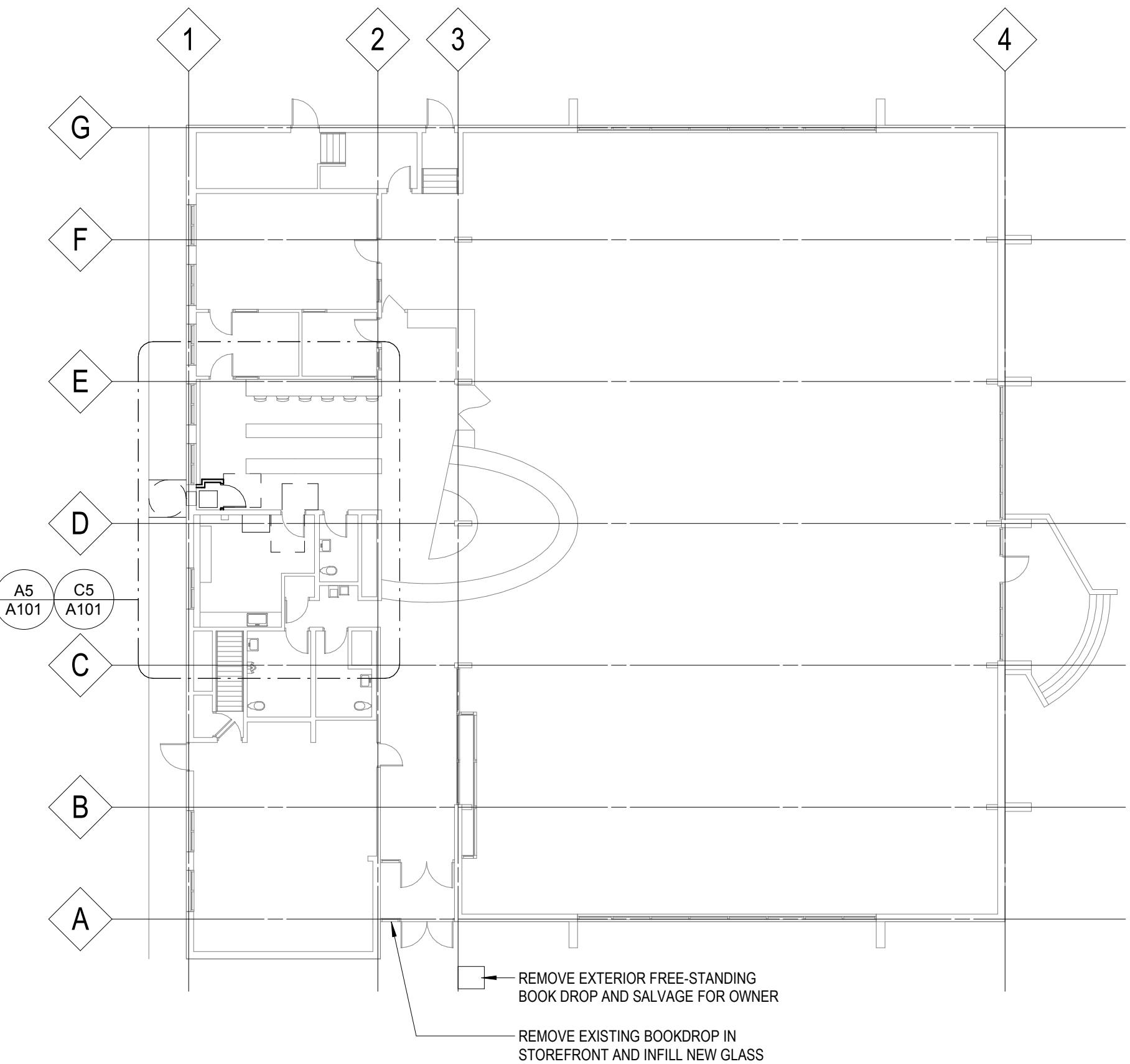
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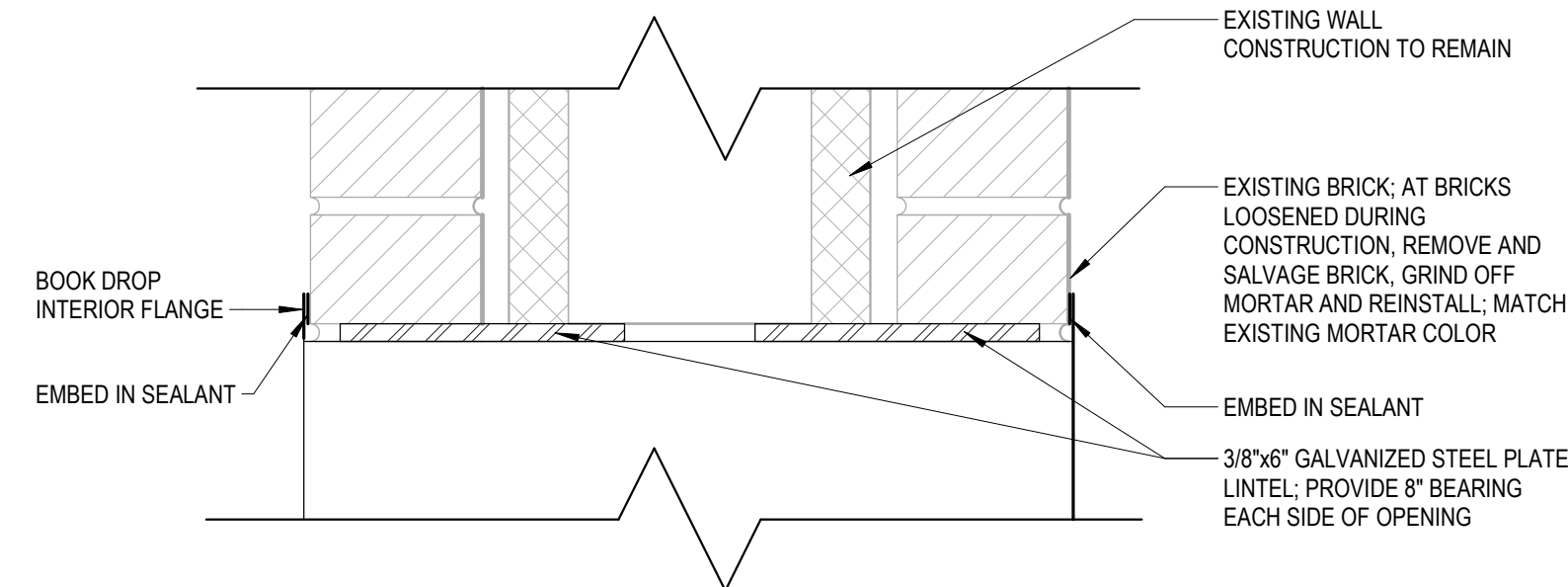
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B

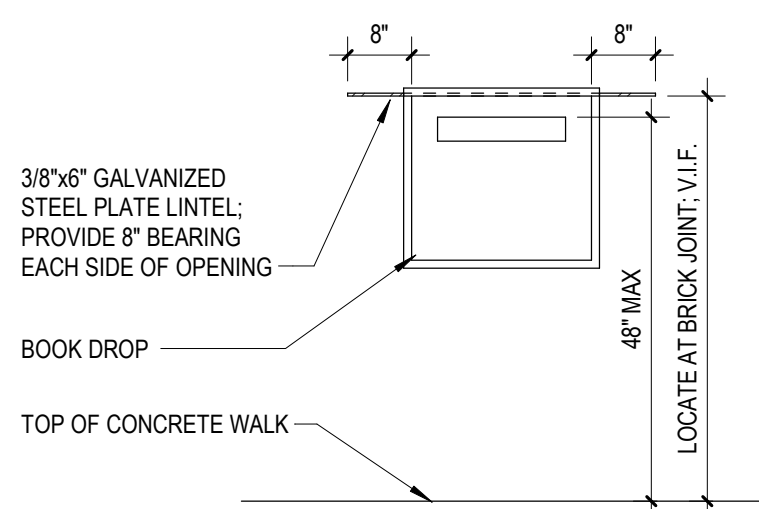
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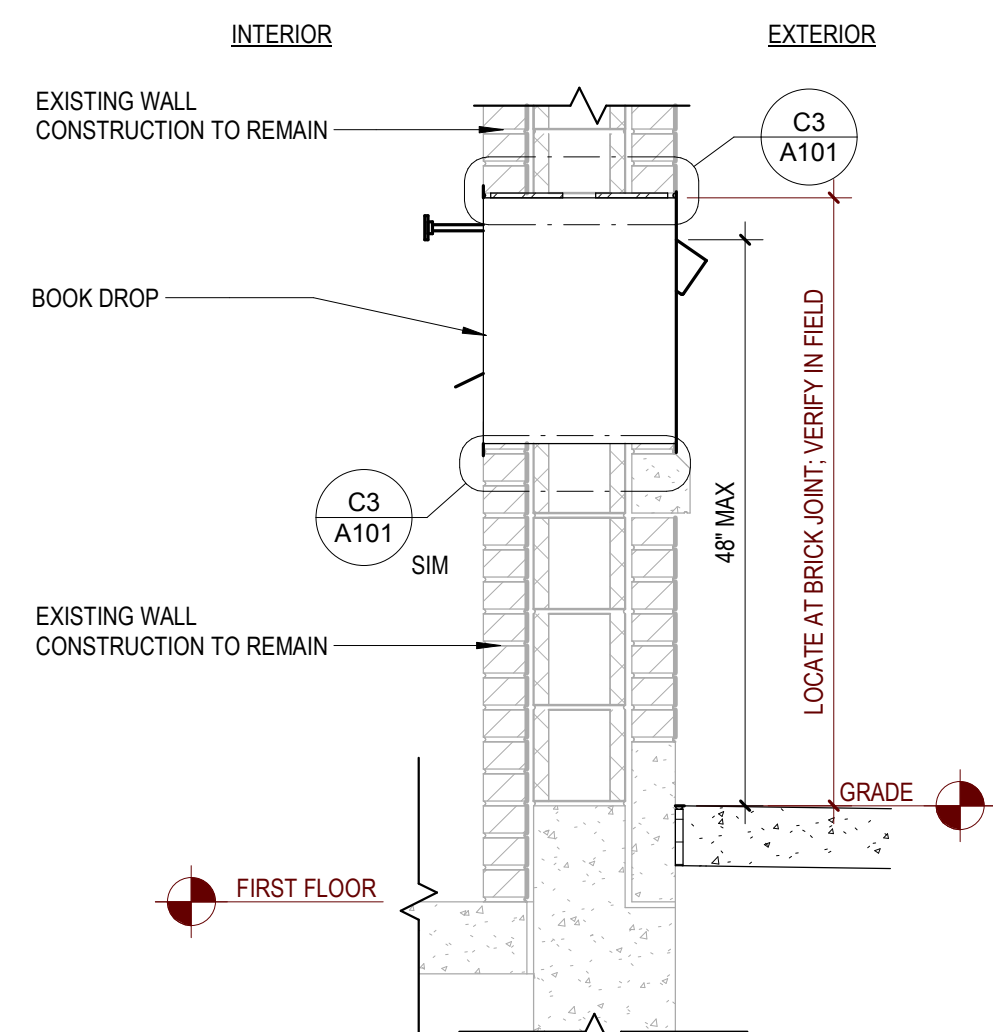
A1 OVERALL FLOOR PLAN - ATKINSON STREET BRANCH
1/16" = 1'-0"



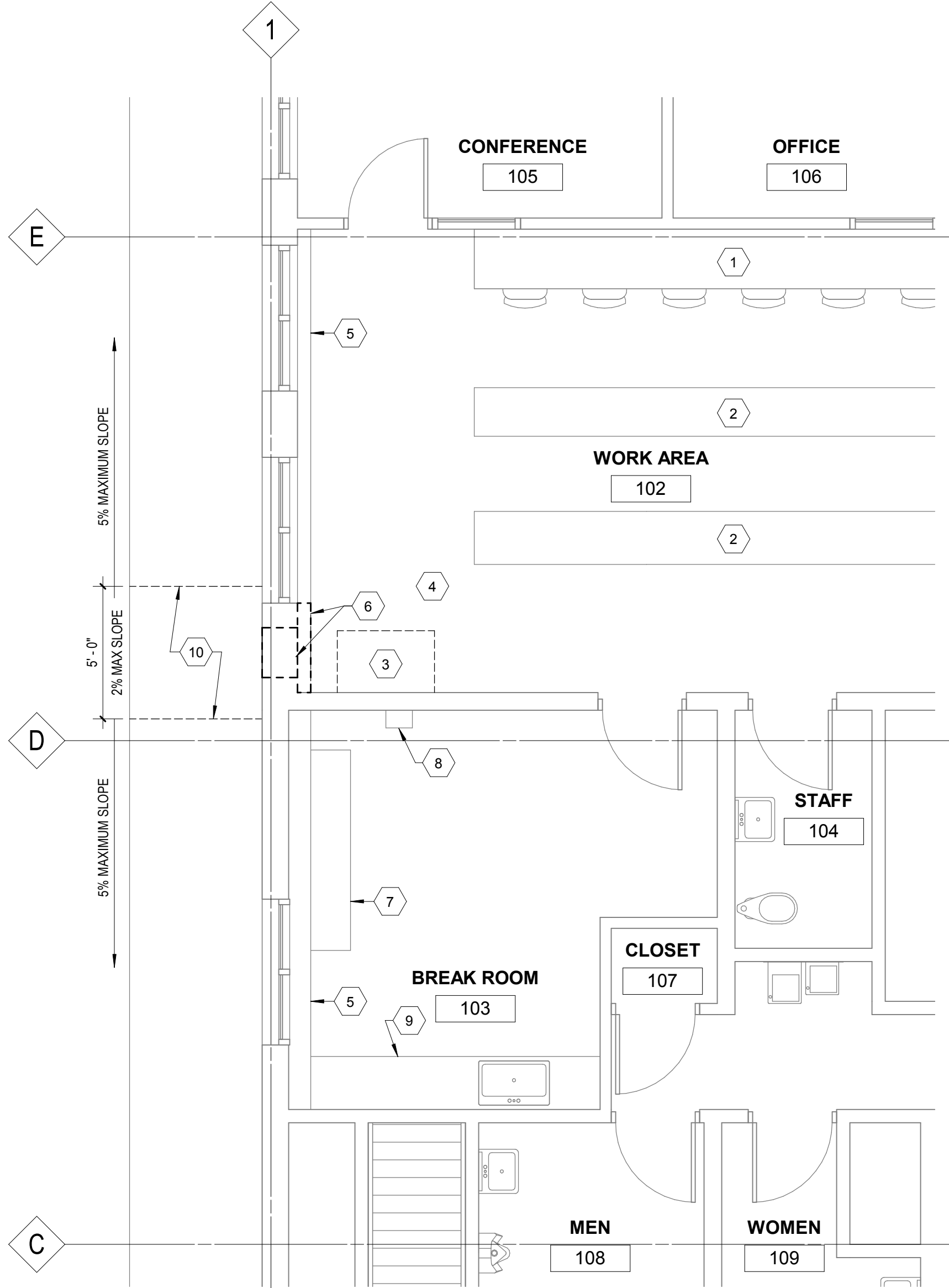
C3 BOOK DROP HEAD - ATKINSON STREET
3/8" = 1'-0"



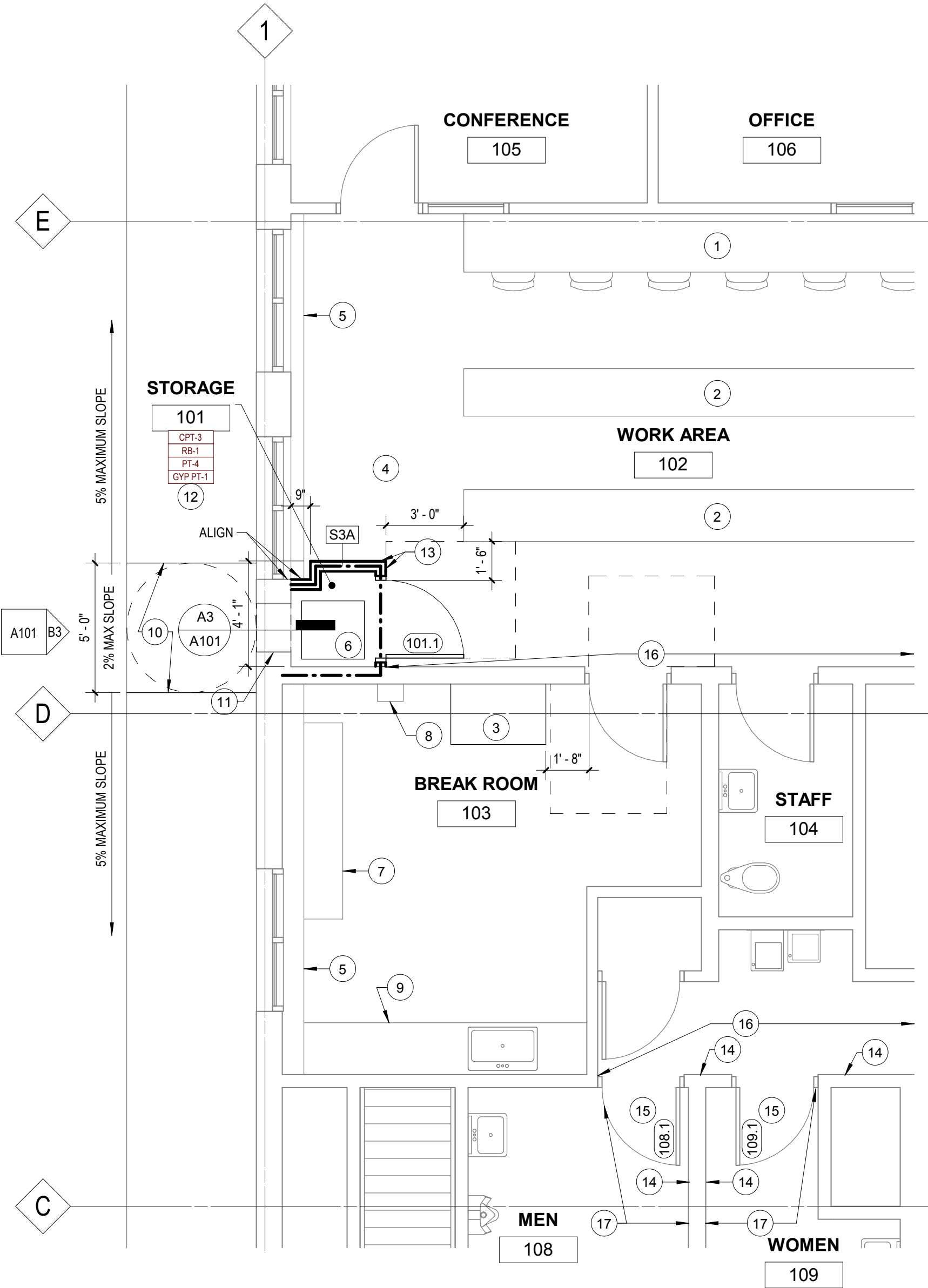
B3 ATKINSON BOOK DROP
1/2" = 1'-0"



A3 BOOK DROP - ATKINSON STREET
3/4" = 1'-0"



C5 ATKINSON STREET BRANCH - LEVEL 1 - DEMOLITION FLOOR PLAN
1/4" = 1'-0"



A5 ATKINSON STREET BRANCH - LEVEL 1 - FLOOR PLAN
1/4" = 1'-0"

GENERAL NOTES

- EXISTING CONDITIONS: EXISTING CONDITIONS SHOWN ON DRAWINGS REPRESENT CURRENT BUILDING. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK. REPORT ANY DISCREPANCIES TO THE ARCHITECT FOR REVIEW. WORK DONE WITHOUT RESOLUTION OF DISCREPANCIES MUST BE REDONE AT THE REQUEST OF THE ARCHITECT AT NO ADDITIONAL COST TO THE CONTRACT.
- REFER TO SHEET XXX FOR WALL TYPES AND THIS SHEET FOR TYPICAL MOUNTING HEIGHTS. REFER TO INTERIOR ELEVATION SHEETS FOR ROOM SPECIFIC FIXTURE MOUNTING HEIGHTS.
- DIMENSIONS FOR STUD WALLS ARE TO CENTERLINE OF STUD, UNLESS OTHERWISE INDICATED. CMU WALLS ARE DIMENSIONED TO FACE OF WALL.
- ALL WALL MOUNTED EQUIPMENT TO BE EITHER BY CONTRACTOR OR BY OWNER WILL REQUIRE PROPER BLOCKING. WALL MOUNTED EQUIPMENT WILL INCLUDE CABINETS, TRIM, COAT HOOKS, COUNTERTOPS, ETC. SEE SPECIFICATION FOR DESCRIPTION OF BLOCKING.
- FIRE STOP ALL PENETRATIONS THRU RATED WALLS.
- REFER TO REFLECTED CEILING PLANS & CLERESTORY PLANS FOR THE LOCATIONS OF WINDOW SHADES.
- REQUIRED MEANS OF EGRESS FROM THE EXISTING BUILDING SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION WHEN THE BUILDING REMAINS OCCUPIED. IN THE EVENT THAT AN EXISTING MEANS OF EGRESS CANNOT BE MAINTAINED, THE GENERAL CONTRACTOR SHALL PROVIDE AN APPROVED TEMPORARY MEANS OF EGRESS.

DEMO FLOOR PLAN KEYNOTES

- COUNTERTOP TO REMAIN
- BOOKSHELVES TO REMAIN
- DATA CABINET TO BE RELOCATED BY OWNER
- SALVAGE EXISTING CARPET TILE IN WORK AREA 102 FOR REUSE IN STORAGE 101
- RADIANT HEATER TO REMAIN
- MODIFY RADIANT HEATER AND CUT OPENING IN EXTERIOR WALL FOR BOOK DROP
- LOCKERS AND COAT RACK TO REMAIN
- WALL MOUNTED CABINET TO REMAIN
- CASEWORK TO REMAIN
- CONCRETE WALK REPLACEMENT BY OWNER; EXISTING GRADES AND CONCRETE WALK AT BOOK DROP LOCATION MUST BE MODIFIED TO PROVIDE A MAX SLOPE OF 2%; CURRENT SLOPE IS 3.4%

FLOOR PLAN KEYNOTES

- COUNTERTOP TO REMAIN
- BOOKSHELVES TO REMAIN
- RELOCATED DATA CABINET BY OWNER
- EXISTING LAY-IN CEILING TILE AND GRID TO REMAIN; MODIFY TO ACCOMMODATE NEW CONSTRUCTION
- RADIANT HEATER TO REMAIN
- CART PROVIDED BY OWNER
- LOCKERS AND COAT RACK TO REMAIN
- WALL MOUNTED CABINET TO REMAIN
- CASEWORK TO REMAIN
- CONCRETE WALK REPLACEMENT BY OWNER; EXISTING GRADES AND CONCRETE WALK AT BOOK DROP LOCATION MUST BE MODIFIED TO PROVIDE A MAX SLOPE OF 2%; CURRENT SLOPE IS 3.4%
- BOOK DROP: 10-8100 EASE SINGLE THRUWALL WITH 19-0001 THICK WALL EXTENSION KIT BY KINGSLEY
- 1 HOUR RATED GYP BOARD CEILING ASSEMBLY; SEE B6/G-001
- PT-4 ON NEW WALL CONSTRUCTION
- ACCESSIBLE AUTOMATIC DOOR OPENER; REFER TO ELECTRICAL
- PROVIDE ASSOCIATED HARDWARE FOR AUTOMATIC OPENER
- PAIN EXISTING WALL FULL HEIGHT TO NEAREST CORNER IN BOTH DIRECTIONS IF WALL PATCHING IS NOT CONCEALED BY NEW CONSTRUCTION. MATCH EXISTING PAINT COLOR AND SHEEN. EXISTING WALL BASE TO REMAIN
- EXISTING CERAMIC WALL TILE TO REMAIN; LIMIT DAMAGE TO AREA CONCEALED BY DOOR OPENER AND CONTROLS

FINISH TAG

FLOOR
BASE
WALL
CEILING



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PROJECT INFORMATION

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ALTERATIONS

ATKINSON STREET BRANCH

CENTER STREET BRANCH

CENTRAL LIBRARY

ISSUANCE AND REVISIONS

#	DATE	DESCRIPTION
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KEY PLAN

SHEET INFORMATION

PROJECT MANAGER	NE
PROJECT NUMBER	201829-01
DATE	06-03-2019

FLOOR PLANS -
ATKINSON STREET
BRANCH

A101

E

D

C

B

A

A1 OVERALL FLOOR PLAN - CENTER STREET BRANCH
1/16" = 1'-0"

D3 TOP OF WALL
1 1/2" = 1'-0"

C3 BOOK DROP HEAD - CENTER STREET
3" = 1'-0"

B3 CENTER STREET BOOK DROP
1/2" = 1'-0"

B4 CENTER STREET BRANCH - PHASE 2
1/16" = 1'-0"

A3 BOOK DROP - CENTER STREET
3/4" = 1'-0"

A4 CENTER STREET BRANCH - PHASE 1
1/16" = 1'-0"

C5 CENTER STREET BRANCH - LEVEL 1 - DEMOLITION FLOOR PLAN
1/4" = 1'-0"

A5 CENTER STREET BRANCH - LEVEL 1 - FLOOR PLAN
1/4" = 1'-0"

GENERAL NOTES

- EXISTING CONDITIONS: EXISTING CONDITIONS SHOWN ON DRAWINGS REPRESENT CURRENT BUILDING. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK. REPORT ANY DISCREPANCIES TO THE ARCHITECT FOR REVIEW. WORK DONE WITHOUT RESOLUTION OF DISCREPANCIES MUST BE REDONE AT THE REQUEST OF THE ARCHITECT AT NO ADDITIONAL COST TO THE CONTRACT.
- REFER TO SHEET XXX FOR WALL TYPES AND THIS SHEET FOR TYPICAL MOUNTING HEIGHTS. REFER TO INTERIOR ELEVATION SHEETS FOR ROOM SPECIFIC FIXTURE MOUNTING HEIGHTS.
- DIMENSIONS FOR STUD WALLS ARE TO CENTERLINE OF STUD, UNLESS OTHERWISE INDICATED. CMU WALLS ARE DIMENSIONED TO FACE OF WALL.
- ALL WALL MOUNTED EQUIPMENT TO BE EITHER BY CONTRACTOR OR BY OWNER WILL REQUIRE PROPER BLOCKING. WALL MOUNTED EQUIPMENT WILL INCLUDE CABINETS, TRIM, COAT HOOKS, COUNTERTOPS, ETC. *SEE SPECIFICATION FOR DESCRIPTION OF BLOCKING.*
- FIRE STOP ALL PENETRATIONS THRU RATED WALLS.
- REFER TO REFLECTED CEILING PLANS & CLERESTORY PLANS FOR THE LOCATIONS OF WINDOW SHADES.
- REQUIRED MEANS OF EGRESS FROM THE EXISTING BUILDING SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION WHEN THE BUILDING REMAINS OCCUPIED. IN THE EVENT THAT AN EXISTING MEANS OF EGRESS CANNOT BE MAINTAINED, THE GENERAL CONTRACTOR SHALL PROVIDE AN APPROVED TEMPORARY MEANS OF EGRESS.

BID ALTERNATES

- AUTOMATIC OPENERS AT CENTER STREET TO BE BID AS AN ALTERNATE; REFER TO KEYNOTES 12 AND 13 ON SHEET A102

DEMO FLOOR PLAN KEYNOTES

- EXISTING FLOORING TO REMAIN; SALVAGE EXISTING CARPET TILE FOR REUSE
- CUT OPENING IN EXTERIOR WALL FOR BOOK DROP
- REMOVE EXISTING TREE, LANDSCAPING, PLANTER FENCING AND TOP SOIL TO PREPARE FOR NEW CONCRETE WALK AT BOOK DROP APPROACH
- REMOVE CARPET TO EXTENTS SHOWN
- REMOVE CERAMIC FLOOR TILE TO EXTENTS SHOWN; REMOVE TO NEAREST EXISTING GROUT JOINT
- REMOVE ALL CERAMIC TILE WALL BASE IN LOBBY
- REMOVE EXISTING BOOKDROP FROM EXISTING STOREFRONT AND PREP OPENING FOR NEW GLASS; REMOVE EXISTING BOOK DROP FIRE SUPPRESSION SYSTEM OVERHEAD
- REMOVE AND SALVAGE SIGN FOR REINSTALLATION
- REMOVE EXISTING CERAMIC WALL, FLOOR TILE AND BASE
- REMOVE EXISTING DOOR AND FRAME; ENLARGE EXISTING OPENING
- REMOVE EXISTING WALL
- REMOVE EXISTING CEILING
- REMOVE EXISTING FIXTURES, PARTITIONS AND ACCESSORIES

FLOOR PLAN KEYNOTES

- TOILET PAPER DISPENSER; TP-1
- SANITARY NAPKIN DISPOSAL; ND-1
- GRAB BARS
- 24X36 MIRROR; MR-1
- LIQUID SOAP DISPENSER; SD-1
- CART PROVIDED BY OWNER
- BABY CHANGING STATION; CH-1
- SANITARY NAPKIN DISPENSOR; VR-1
- ELECTRIC HAND DRYER; HD-1
- 5" THICK CONCRETE PAVING ON 6" DENSE GRADED AGGREGATE BASE (3/4") ON COMPACTED SUBGRADE; DOWEL INTO EXISTING CONCRETE AT 2' O.C. AT PERIMETER; MATCH EXISTING TOP OF CONCRETE ELEVATIONS; PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDING; 2% SLOPE MAX.
- BOOK DROP; 10-1100 EASE SINGLE THRUWALL BY KINGSLEY
- ACCESSIBLE AUTOMATIC DOOR OPENER; REFER TO ELECTRICAL
- PROVIDE ASSOCIATED HARDWARE FOR AUTOMATIC OPENER
- PROVIDE ELECTRIFIED HARDWARE; COORDINATE WITH CARD ACCESS. SEE ELECTRICAL.
- EXISTING FLOORING AND WALK-OFF MAT AND GRATE TO REMAIN
- PATCH IN NEW CARPET
- PATCH IN NEW PORCELAIN FLOOR TILE
- PROVIDE PORCELAIN TILE BASE IN LOBBY
- 1 HOUR RATED GYP BOARD CEILING ASSEMBLY; SEE B6/G-001
- INFILL GLASS AND REPAIR STOREFRONT TO MATCH SURROUNDING BOOKDROP
- COAT HOOK ON CENTERED ON BACK OF DOOR; MR-1
- EXISTING MURALS TO REMAIN; STOP PAINT AT STOREFRONT HEAD HEIGHT
- PAINT NORTH WEST WALL
- TOILET PARTITION
- EXISTING CONCRETE TO REMAIN
- URINAL SCREEN
- REINSTALL SALVAGED SIGN
- PAINT EXISTING WALL FULL HEIGHT TO NEAREST CORNER IN BOTH DIRECTIONS IF WALL PATCHING IS NOT CONCEALED BY NEW CONSTRUCTION. MATCH EXISTING PAINT COLOR AND SHEEN. EXISTING WALL BASE TO REMAIN

FINISH TAG

FLOOR
BASE
WALL
CEILING



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PROJECT INFORMATION

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ALTERATIONS

ATKINSON STREET BRANCH

CENTER STREET BRANCH

CENTRAL LIBRARY

ISSUANCE AND REVISIONS

#	DATE	DESCRIPTION
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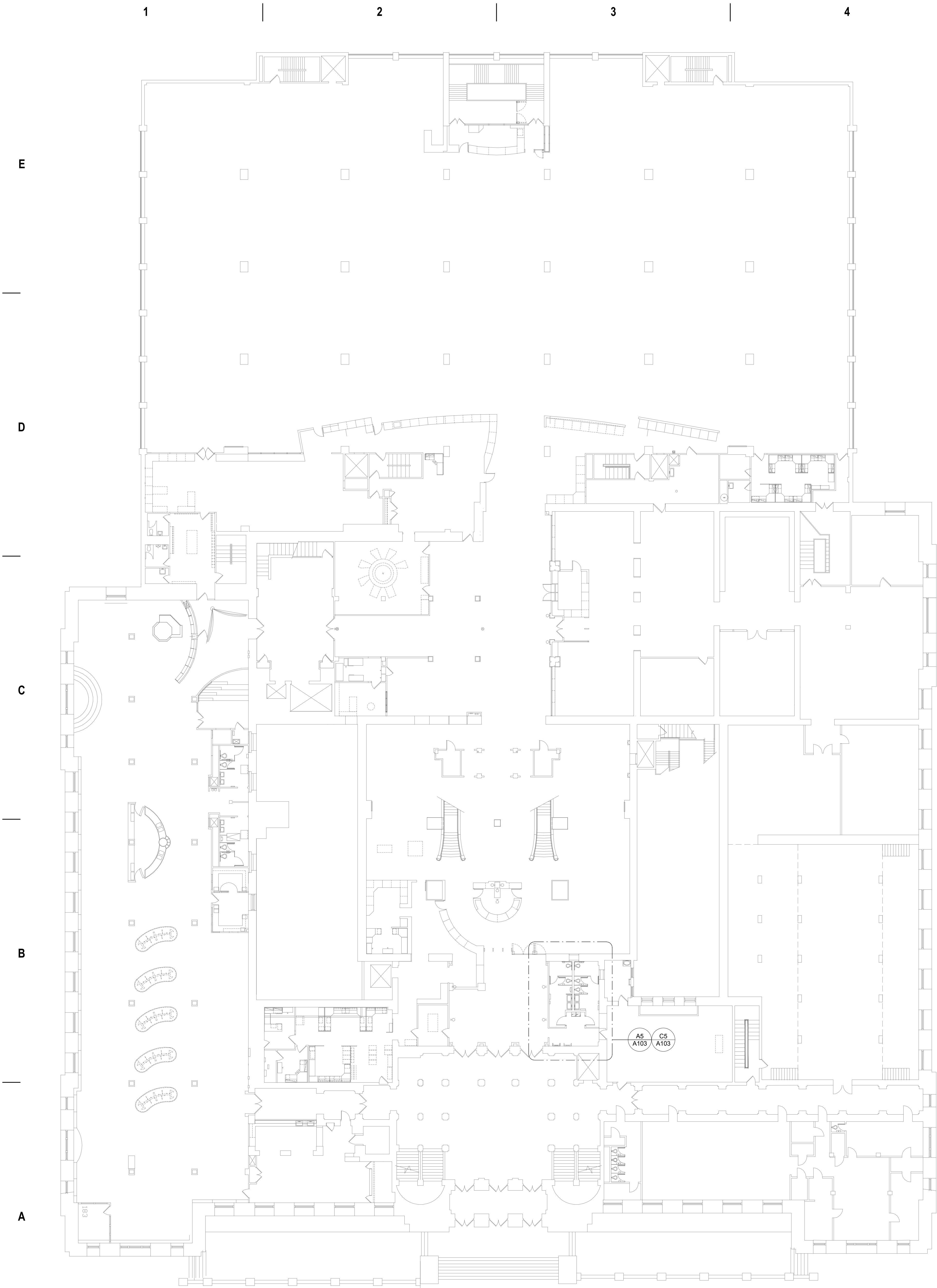
KEY PLAN

SHEET INFORMATION

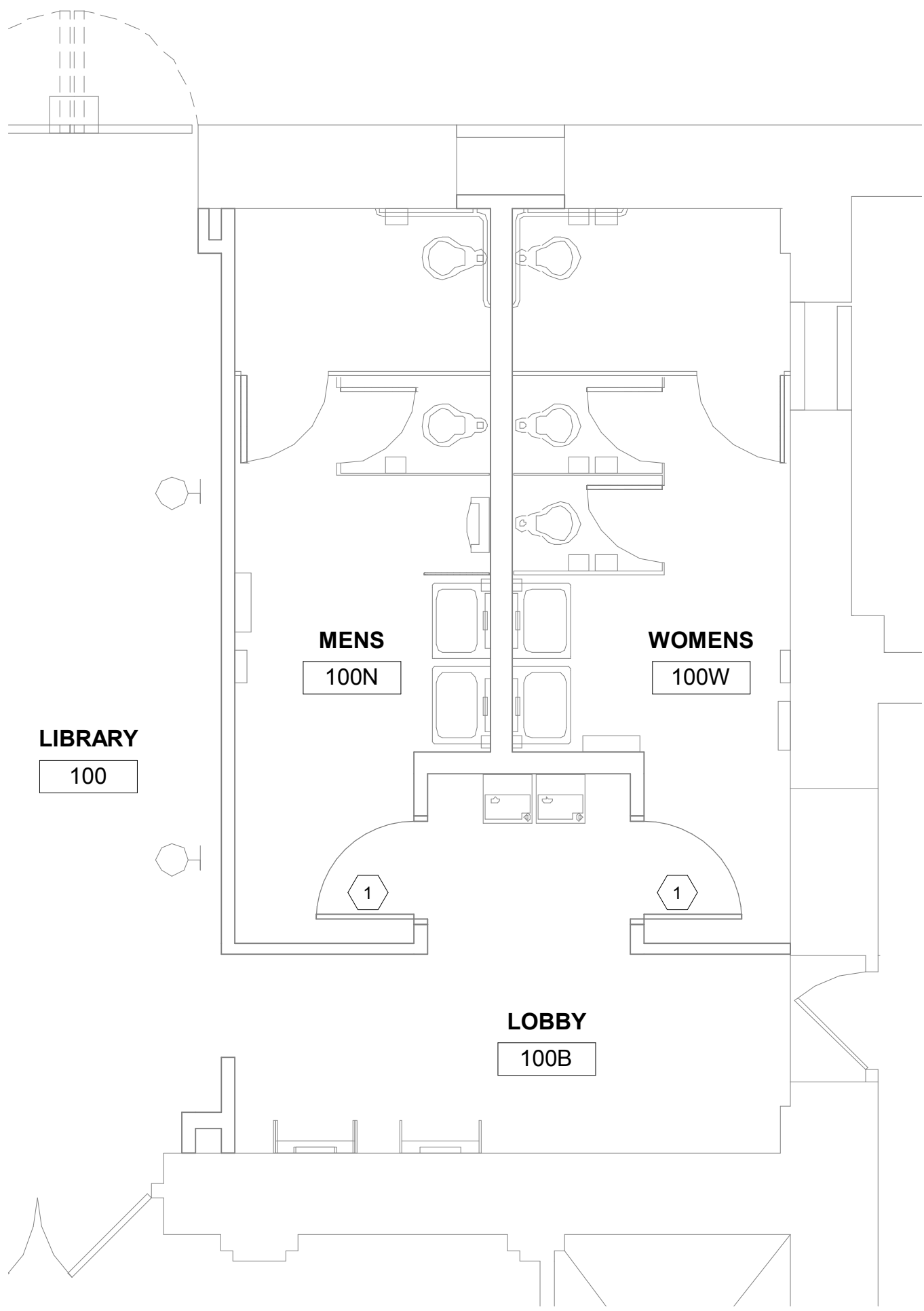
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PROJECT NUMBER	201829-01
DATE	06-03-2019

FLOOR PLANS -
CENTER STREET
BRANCH

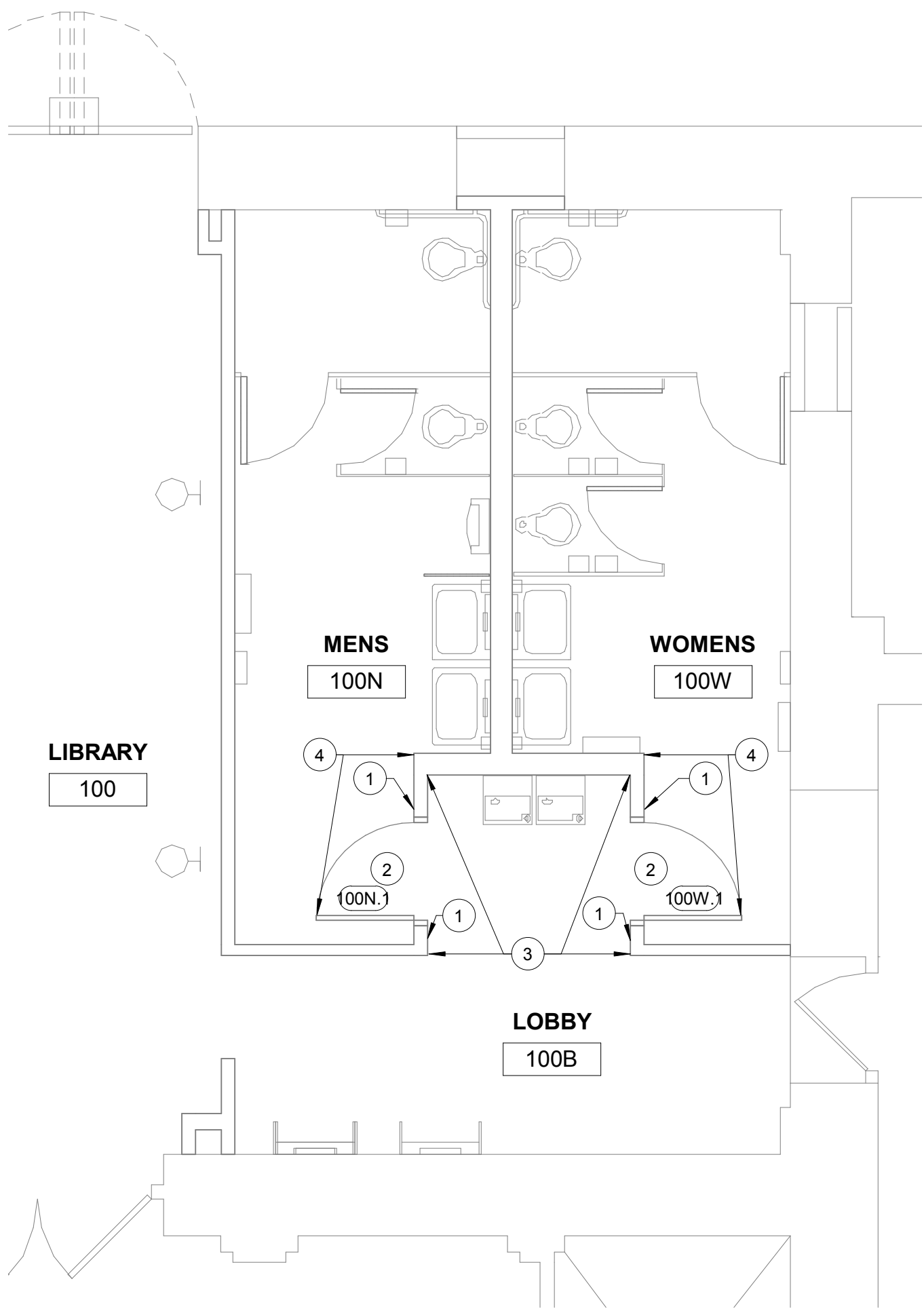
A102



A1 OVERALL FLOOR PLAN - CENTRAL LIBRARY
1/16" = 1'-0"



C5 CENTRAL LIBRARY - LEVEL 1 - DEMOLITION FLOOR PLAN
1/4" = 1'-0"



A5 CENTRAL LIBRARY - LEVEL 1 - FLOOR PLAN
1/4" = 1'-0"

GENERAL NOTES

- EXISTING CONDITIONS: EXISTING CONDITIONS SHOWN ON DRAWINGS REPRESENT CURRENT BUILDING. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK. REPORT ANY DISCREPANCIES TO THE ARCHITECT FOR REVIEW. WORK DONE WITHOUT RESOLUTION OF DISCREPANCIES MUST BE REDONE AT THE REQUEST OF THE ARCHITECT AT NO ADDITIONAL COST TO THE CONTRACT.
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- FIRE STOP ALL PENETRATIONS THRU RATED WALLS.
- REFER TO REFLECTED CEILING PLANS & CLERESTORY PLANS FOR THE LOCATIONS OF WINDOW SHADES.
- REQUIRED MEANS OF EGRESS FROM THE EXISTING BUILDING SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION WHEN THE BUILDING REMAINS OCCUPIED. IN THE EVENT THAT AN EXISTING MEANS OF EGRESS CANNOT BE MAINTAINED, THE GENERAL CONTRACTOR SHALL PROVIDE AN APPROVED TEMPORARY MEANS OF EGRESS.

DEMO FLOOR PLAN KEYNOTES

- REMOVE DOOR HARDWARE AS REQUIRED FOR TO PREPARE FOR NEW HARDWARE

FLOOR PLAN KEYNOTES

- ACCESSIBLE AUTOMATIC DOOR OPENER; REFER TO ELECTRICAL
- PROVIDE ASSOCIATED HARDWARE FOR AUTOMATIC OPENER
- PAINT EXISTING WALL FULL HEIGHT TO NEAREST CORNER IN BOTH DIRECTIONS IF WALL PATCHING IS NOT CONCEALED BY NEW CONSTRUCTION. MATCH EXISTING PAINT COLOR AND SHEEN. EXISTING WALL BASE TO REMAIN.
- EXISTING CERAMIC WALL TILE TO REMAIN; LIMIT DAMAGE TO AREA CONCEALED BY DOOR OPENER AND CONTROLS



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PROJECT INFORMATION

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ATKINSON STREET BRANCH

CENTER STREET BRANCH

CENTRAL LIBRARY

ISSUANCE AND REVISIONS

#	DATE	DESCRIPTION
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KEY PLAN

SHEET INFORMATION

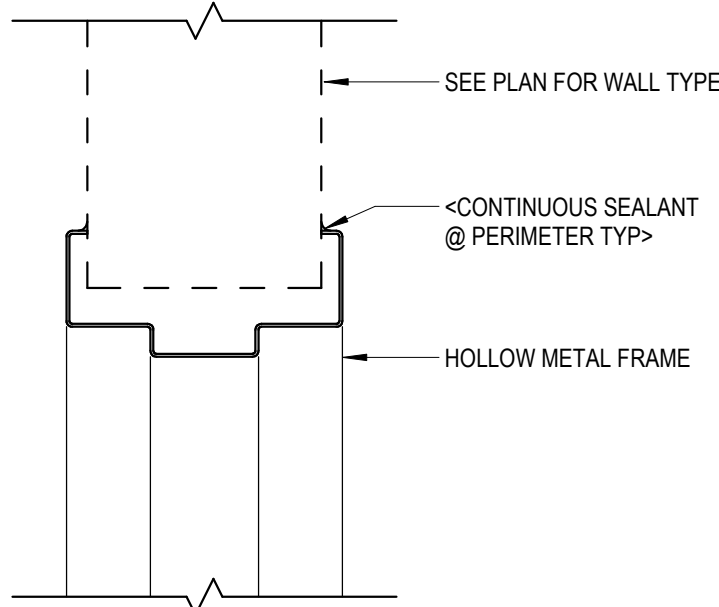
PROJECT MANAGER	NE
PROJECT NUMBER	201829-01
DATE	06-03-2019

FLOOR PLANS -
CENTRAL LIBRARY

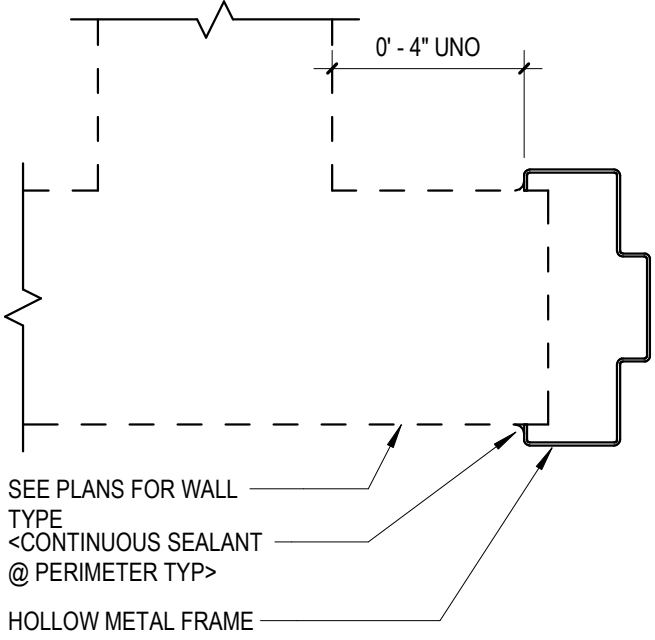
A103

MATERIAL SCHEDULE									
CODE	DESCRIPTION	MANUFACTURER	PRODUCT	COLOR	FINISH	SIZE	CONTACT	REMARKS	
C									
CPT-1	CARPET (MODULAR)	PATCRAFT	SCHOLASTIC II (MODULAR)	STUDENT LOANS 00701		24" X 24"		CENTER ST - STORAGE RMS	
CPT-2	CARPET (MODULAR)	EXISTING	EXISTING	EXISTING		EXISTING		CENTER ST - SALVAGE EXISTING FOR USE AS REQ'D FOR PATCHING	
CPT-3	CARPET (MODULAR)	EXISTING	EXISTING	EXISTING		EXISTING		ATKINSON - SALVAGE EXISTING FOR USE AS REQ'D FOR PATCHING	
P									
POR-1	PORCELAIN TILE	CROSSVILLE	BASALT	AV294 MAFIC		12" X 24"		CENTER ST - TOILET RM FLOOR & WET WALLS; 1/3 RUNNING BOND PATTERN	
POR-2	PORCELAIN TILE BASE	CROSSVILLE	BASALT	AV294 MAFIC		8" X 12"		CENTER ST - TOILET RMS	
POR-3	PORCELAIN TILE	ATLAS CONCORDE	MARVEL GEMS	TERRAZZO BLACK	POLISHED	12" X 12"		CENTER ST - VESTIBULE FLOOR	
POR-4	PORCELAIN TILE BASE	ATLAS CONCORDE	MARVEL GEMS	TERRAZZO BLACK	POLISHED	4" X 12"		CENTER ST - VESTIBULE WALL BASE	
POR-5	PORCELAIN TILE	ROCA USA INC	COLOR COLLECTIONS	BISCUIT	MATTE	3" X 6"		CENTER ST - TOILET RMS NON-WET WALLS; RUNNING BOND PATTERN; INSTALL FLUSH WITH TILE BASE	
PT-1	PAINT	SHERWIN WILLIAMS		SW 7005 PURE WHITE				ATKINSON & CENTER ST - ALL CEILINGS	
PT-2	PAINT			MATCH EXISTING				MATCH EXISTING CENTER ST - MEETING ROOM	
PT-3	PAINT			MATCH EXISTING				MATCH EXISTING CENTER ST - ENTRY AND STORAGE RM	
PT-4	PAINT			MATCH EXISTING				MATCH EXISTING ATKINSON - ALL	
R									
RB-1	RESILIENT BASE	NOVUS 9	VINYL COVE	MAHOGANY 16		4"		ATKINSON & CENTER ST	
S									
ST-1	STAIN			MATCH EXISTING	MATCH EXISTING			MATCH EXISTING ATKINSON - DOOR STAIN COLOR	
ST-2	STAIN			MATCH EXISTING	MATCH EXISTING			MATCH EXISTING CENTER ST - DOOR STAIN COLOR	

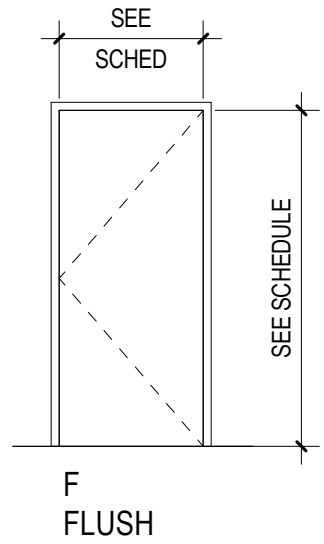
DOOR AND FRAME SCHEDULE															
NUMBER	DOOR								FRAME						
	SIZE				TYPE	MAT	FIN	TYPE	MAT	FIN	DETAIL			HDWE TAG	RATING (MIN)
	LEAF	QTY	WIDTH	HGT							HEAD	JAMB	SILL		
100N.1	EX	EXISTING	EXISTING	EXISTING	EX	EX	EX	EX	EX	EX				09	
100W.1	EX	EXISTING	EXISTING	EXISTING	EX	EX	EX	EX	EX	EX				09	
101.1	1	3'-0"	7'-0"	7'-0"	F	WD	ST-1	01	HM	PT	D5/A600	C5/A600		06	45 MIN
108.1	EX	EXISTING	EXISTING	EXISTING	EX	EX	EX	EX	EX	EX				10	
109.1	EX	EXISTING	EXISTING	EXISTING	EX	EX	EX	EX	EX	EX				10	
110.1	EX	EXISTING	EXISTING	EXISTING	EX	EX	EX	EX	EX	EX				11	
111.1	1	3'-0"	7'-0"	7'-0"	F	WD	ST-2	01	HM	PT	D5/A600	C5/A600		08 (07 ALT)	
112.1	1	3'-0"	7'-0"	7'-0"	F	WD	ST-2	01	HM	PT	D5/A600	C5/A600		08 (07 ALT)	
114.1	EX	EXISTING	EXISTING	EXISTING	EX	EX	EX	EX	EX	EX				12	
115.1	1	3'-0"	7'-0"	7'-0"	F	WD	ST-2	01	HM	PT	D5/A600	C5/A600		04 (03 ALT)	
116.1	2	3'-0"	7'-0"	7'-0"	F	WD	ST-2	02	HM	PT	D5/A600	C5/A600		02 (01 ALT)	
117.1	1	3'-0"	7'-0"	7'-0"	F	WD	ST-2	01	HM	PT	D5/A600	C5/A600		05	45 MIN



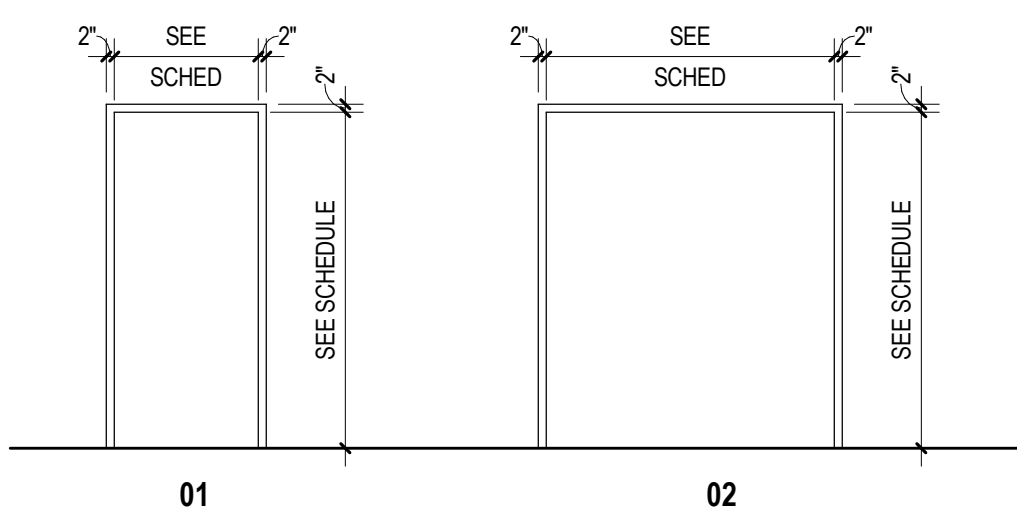
D5 HM DOOR HEAD - GYP BD
3" = 1'-0"



C5 HM DOOR JAMB - GYP BD
3" = 1'-0"



DOOR TYPES



FRAME TYPES

REMARKS

- DOOR STAIN TO MATCH EXISTING DOORS IN RESPECTIVE LIBRARIES.
- FRAME PAINT COLOR TO MATCH ADJACENT WALL COLOR.

BID ALTERNATES

- AUTOMATIC OPENERS AT CENTER STREET TO BE BID AS AN ALTERNATE; REFER TO KEYNOTES 12 AND 13 ON SHEET A102



PROJECT INFORMATION

MILWAUKEE PUBLIC LIBRARY:
MULTI-BUILDING ALTERATIONS

ATKINSON STREET BRANCH

CENTER STREET BRANCH

CENTRAL LIBRARY

ISSUANCE AND REVISIONS

#	DATE	DESCRIPTION
---	------	-------------

KEY PLAN

SHEET INFORMATION

PROJECT MANAGER	NE
PROJECT NUMBER	201829-01
DATE	06-03-2019

SCHEDULES AND
DOOR DETAILS

A600

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PROJECT INFORMATION

MILWAUKEE PUBLIC LIBRARY:
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ATKINSON STREET BRANCH

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#	DATE	DESCRIPTION
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KEY PLAN

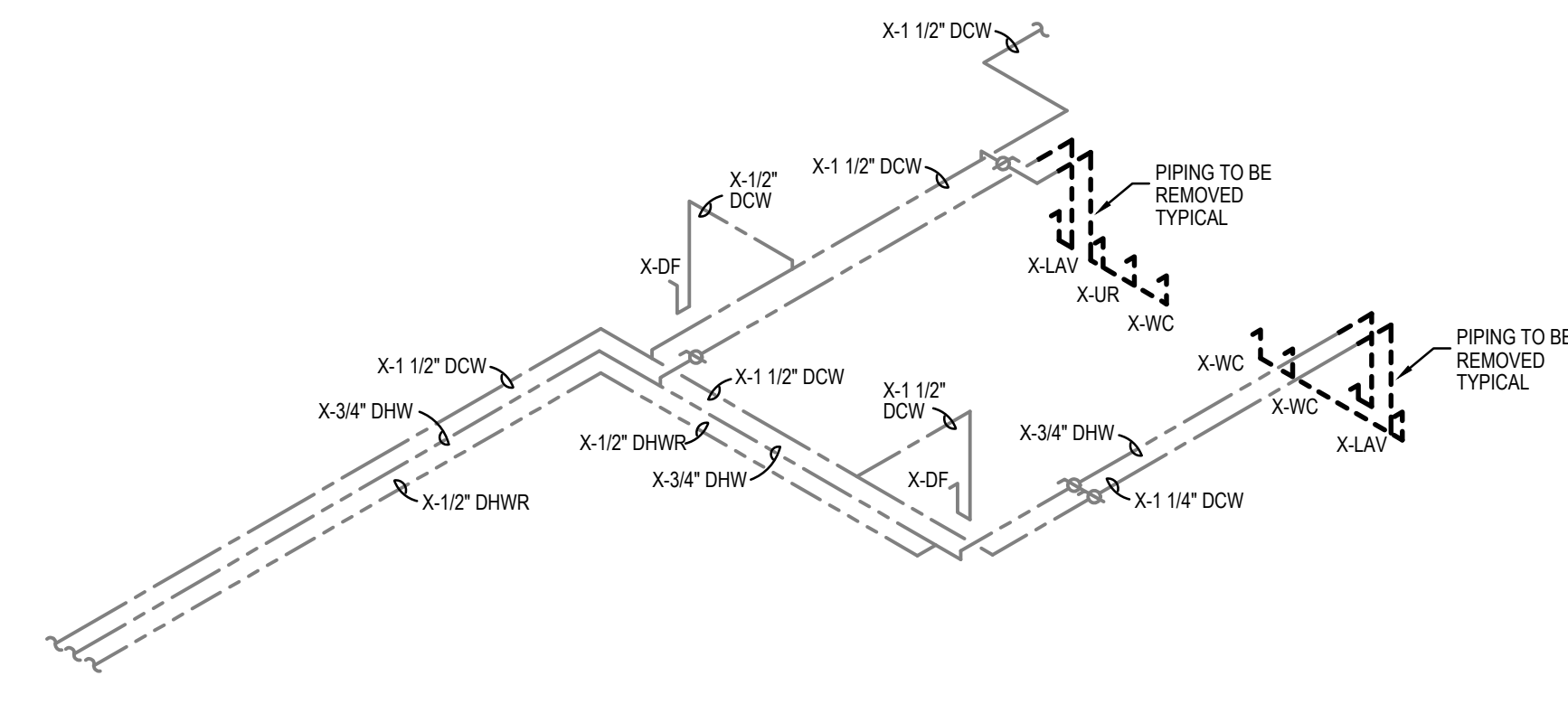
SHEET INFORMATION

PROJECT MANAGER	
PROJECT NUMBER	201829-01
DATE	06.03.2019

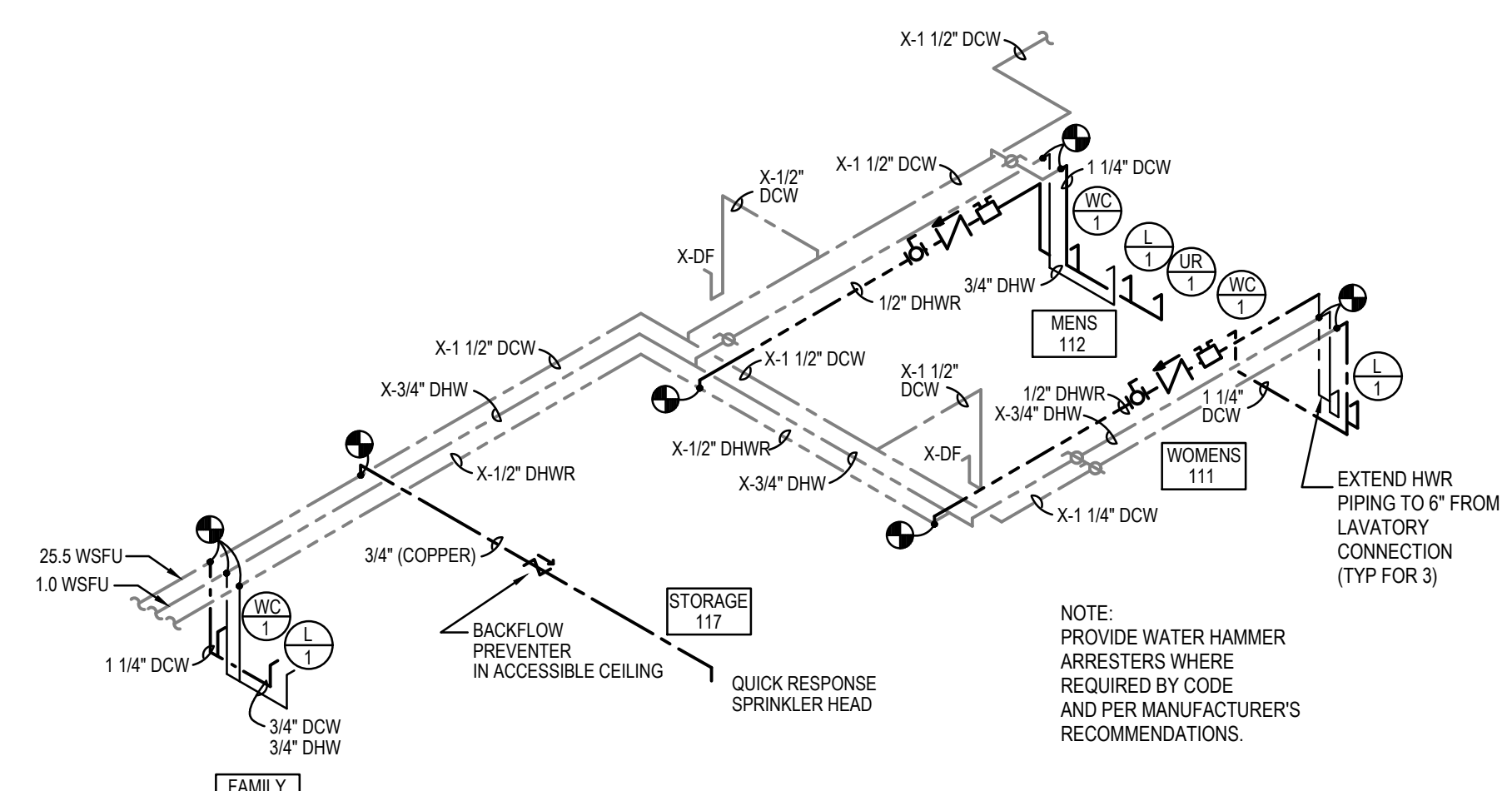
PLUMBING SCHEDULES, NOTES, LEGENDS, ABBREVIATIONS & RISER DIAGRAMS

P001

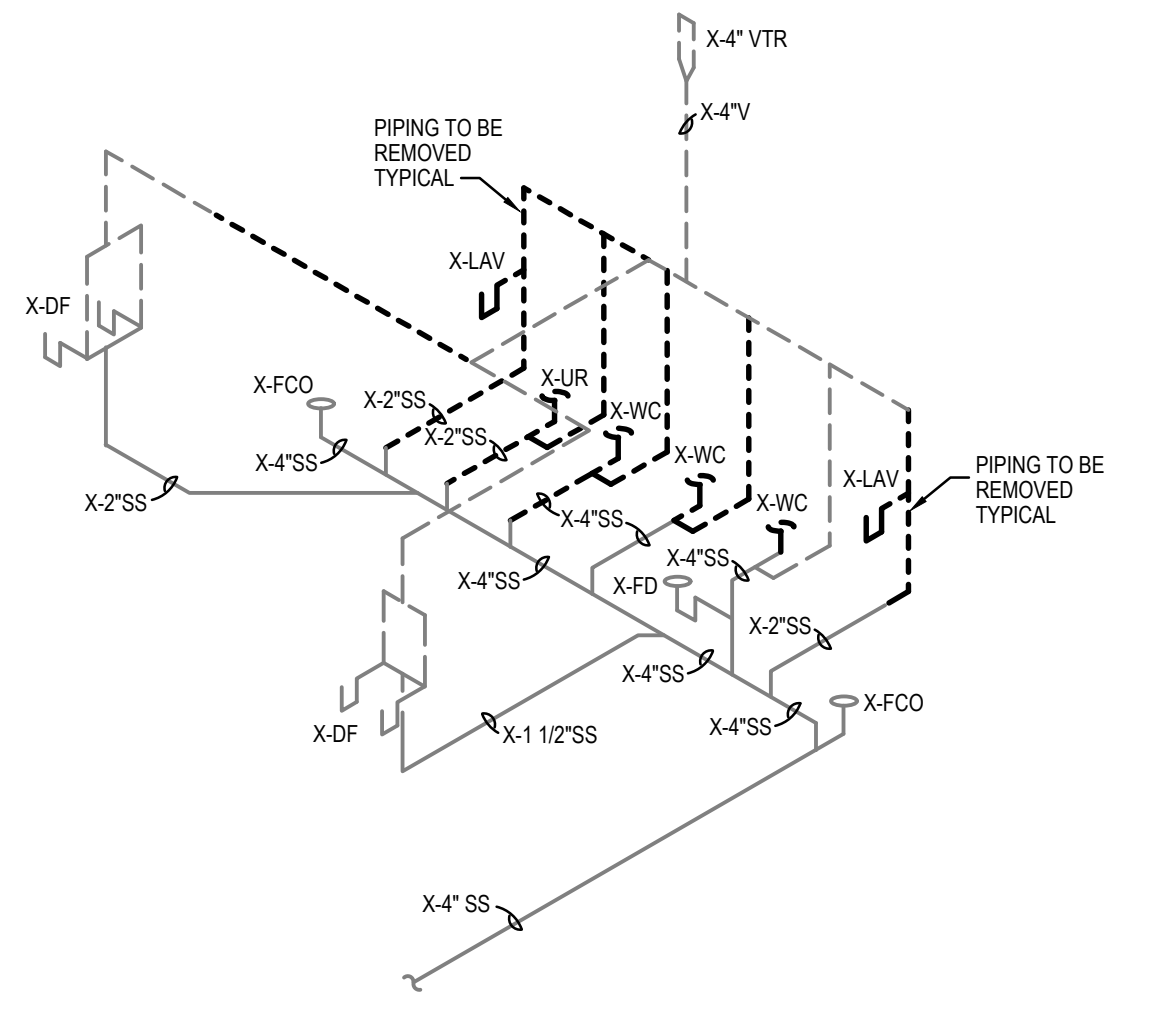
ABBREVIATIONS		PLUMBING PIPING LEGEND	
AD	AREA DRAIN		NEW PLUMBING EQUIPMENT
AF	ABOVE FINISHED FLOOR		EXISTING PLUMBING COMPONENT
AP	ACCESS PANEL		DEMOLISHED PLUMBING COMPONENT
BOF	BOTTOM OF PIPE		PLUMBING EQUIPMENT SERVICE AREA
CA	COMBUSTION AIR		KEY NOTE
CO	CLEANOUT		NEW DOMESTIC COLD WATER
DN	DOWN		EXISTING DOMESTIC COLD WATER
ET	EXPANSION TANK		NEW DOMESTIC HOT WATER
EWC	ELECTRIC WATER COOLER		EXISTING DOMESTIC HOT WATER
FCO	FLOOR CLEANOUT		NEW DOMESTIC HOT WATER RETURN
FD	FLOOR DRAIN		EXISTING DOMESTIC HOT WATER RETURN
GI	GREASE INTERCEPTOR		NEW DOMESTIC TEMPERED WATER
HB	HOSE BIBB		EXISTING DOMESTIC TEMPERED WATER
HWR	HOT WATER RECIRCULATION PUMP		NEW FIRE PROTECTION - CHEMICAL PIPE
IWH	INSTANTANEOUS WATER HEATER		NEW FIRE PROTECTION - DRY PIPE
L	LAVATORY		NEW FIRE PROTECTION - WET PIPE
MB	MOP BASIN		EXISTING FIRE PROTECTION
NC	NORMALLY CLOSED		NEW IRRIGATION
NO	NORMALLY OPEN		EXISTING IRRIGATION
OD	OVERFLOW DRAIN		NEW SANITARY SEWER
RD	ROOF DRAIN		EXISTING SANITARY SEWER
S	SINK		NEW SANITARY VENT
SH	SHOWER		EXISTING SANITARY VENT
SP	SUMP PUMP		NEW STORM OVERFLOW
SS	SERVICE SINK		EXISTING STORM OVERFLOW
ST	STORAGE TANK		NEW STORM SEWER
STP	SOLAR THERMAL PANEL		EXISTING STORM SEWER
UR	URINAL		DEMOLISHED PIPING (ALL SYSTEMS)
VFD	VARIABLE FREQUENCY DRIVE		PLUMBING EQUIPMENT TAG
WC	WATER CLOSET		PLUMBING EQUIPMENT TAG
WCO	WALL CLEANOUT		
WH	WATER HEATER		
WWHP	WATER-TO-WATER HEAT PUMP		
X	EXISTING		
YCO	YARD CLEANOUT		



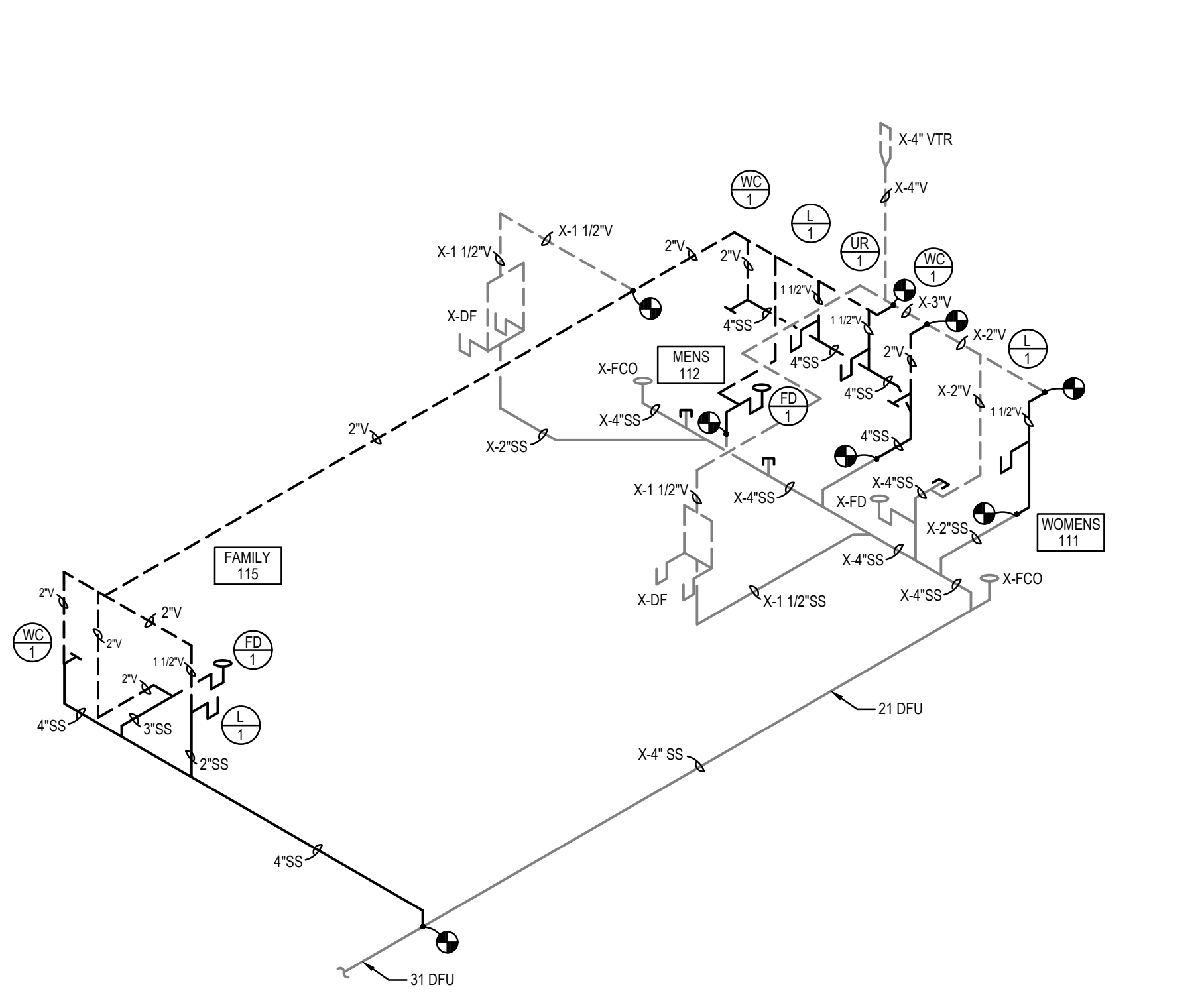
1 DOMESTIC WATER RISER DIAGRAM - DEMOLITION
N.T.S.



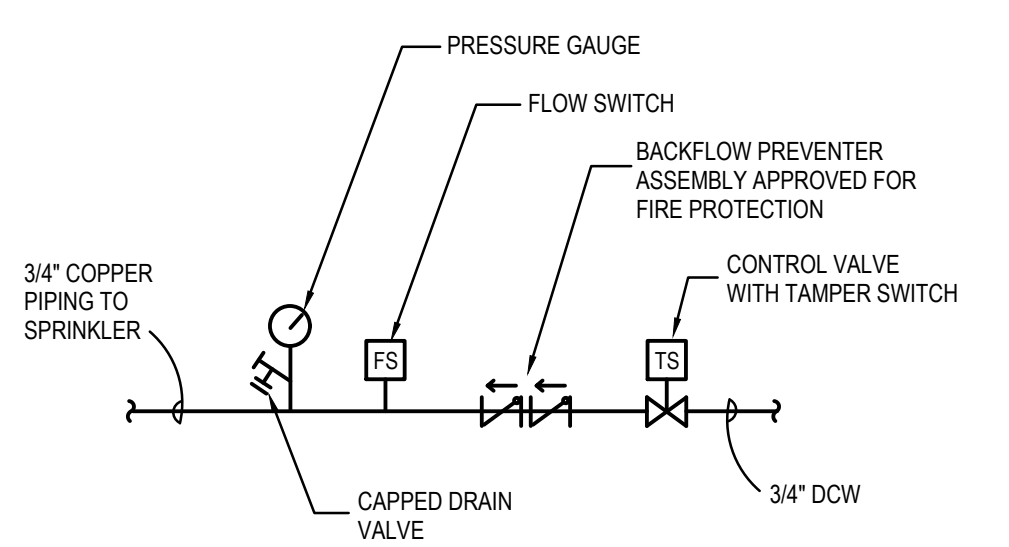
2 DOMESTIC WATER RISER DIAGRAM - NEW WORK
N.T.S.



3 SANITARY / VENT RISER DIAGRAM - DEMOLITION
N.T.S.



4 SANITARY / VENT RISER DIAGRAM - NEW WORK
N.T.S.



5 DETAIL AT BACKFLOW PREVENTER
N.T.S.

PLUMBING FIXTURE SCHEDULE						
MARK	MANUFACTURER	MODEL	DESCRIPTION	WSFU		
FD-1	WATTS	FD-104-A6	EPOXY COATED CAST IRON FLOOR DRAIN WITH ANCHOR FLANGE, REVERSIBLE CLAMPING COLLAR WITH PRIMARY & SECONDARY WEEPHOLES, ADJUSTABLE ROUND HEEL PROOF NICKEL BRONZE STRAINER, AND NO HUB (STANDARD) OUTLET.	HW	CW	TOTAL
L-1	BRADLEY	OMNIDECK 3000 SERIES LD3010	LAVATORY: SINGLE BOWL, SOLID SURFACE ASSEMBLY, OVERALL UNIT SIZE 30 x 22. SEE SPECIFICATIONS FOR DETAILS. FAUCET: SLOAN ET-880, SENSOR OPERATED DIRECT WIRED (24V AC TRANSFORMER REQUIRED EL-248-40), DRAIN: KOHLER K-7128 BRASS GRID DRAIN AND 1 1/4\"/>	0.5	0.5	1.0
UR-1	KOHLER	K4891-ET BARDON	WASHOUT WALLMOUNT 0.125GPF URINAL WITH 3/4\"/>	-	4.0	4.0
WC-1	KOHLER	K4325 KINGSTON	VITREOUS CHINA, WALLMOUNT, SIPHON JET 1.28 GPF WATER CLOSET WITH ELONGATED BOWL, 1 1/2\"/>	-	6.5	6.5

WATER CALCULATION WORKSHEET	
Information Needed for Water Service Sizing	
1	<u>39</u> Demand of addition in gallons per minute.
2	<u>79</u> Low pressure at main before meter.
3	<u>8</u> Difference in elevation from main to meter (or external pressure tank to building control valve).
4	<u>1.5</u> Size of water meter (if applicable).
5	<u>7.5</u> Developed length from main to meter (or external pressure tank to building control valve).
First Find Available Pressure After the Water Meter (or at building control valve)	
6	<u>1.5</u> Find pressure loss due to friction in <u>2</u> inch diameter water service.
7	<u>1.0</u> Find pressure loss due to elevation, main to meter (or external pressure tank to building control valve). Multiply the difference in elevation by .434 psi/ft.
8	<u>3</u> Find pressure loss due to meter. (from manufacturer or AWWA)
9	<u>73.5</u> Subtract the loss due to friction (Step 6), loss due to elevation (Step 7), and loss due to meter (Step 8) from the low main pressure (or low pressure at external pressure tank) (Step 2). This calculation is the available pressure after the water meter (or at the building control valve). This answer is entered in Line B, below.
Information Needed for Water Distribution Sizing	
Using the following formula, find the pressure available for uniform loss (psi/100' of pipe)	
$A = [B - (C + D + E)] / F \times 100$	
A	<u>13.3</u> Pressure available for uniform loss (psi/100' of pipe).
B	<u>73.5</u> Available pressure after water meter (at the building control valve or low pressure at internal pressure tank). (See step 9 above)
C	<u>3.5</u> Pressure needed at controlling fixture.
D	<u>8.7</u> Difference in elevation between water meter (building control valve or internal pressure tank) and controlling fixture in feet <u>20</u> x .434 psi/ft.
E	<u>0</u> Pressure loss due to water softeners, water treatment devices, instantaneous water heaters and backflow preventors which serve the controlling fixture. Conventional water heaters usually do not have a pressure loss.
F	<u>22.5</u> Developed length from water meter (building control valve or internal pressure tank) to controlling fixture in feet <u>150</u> x 1.5



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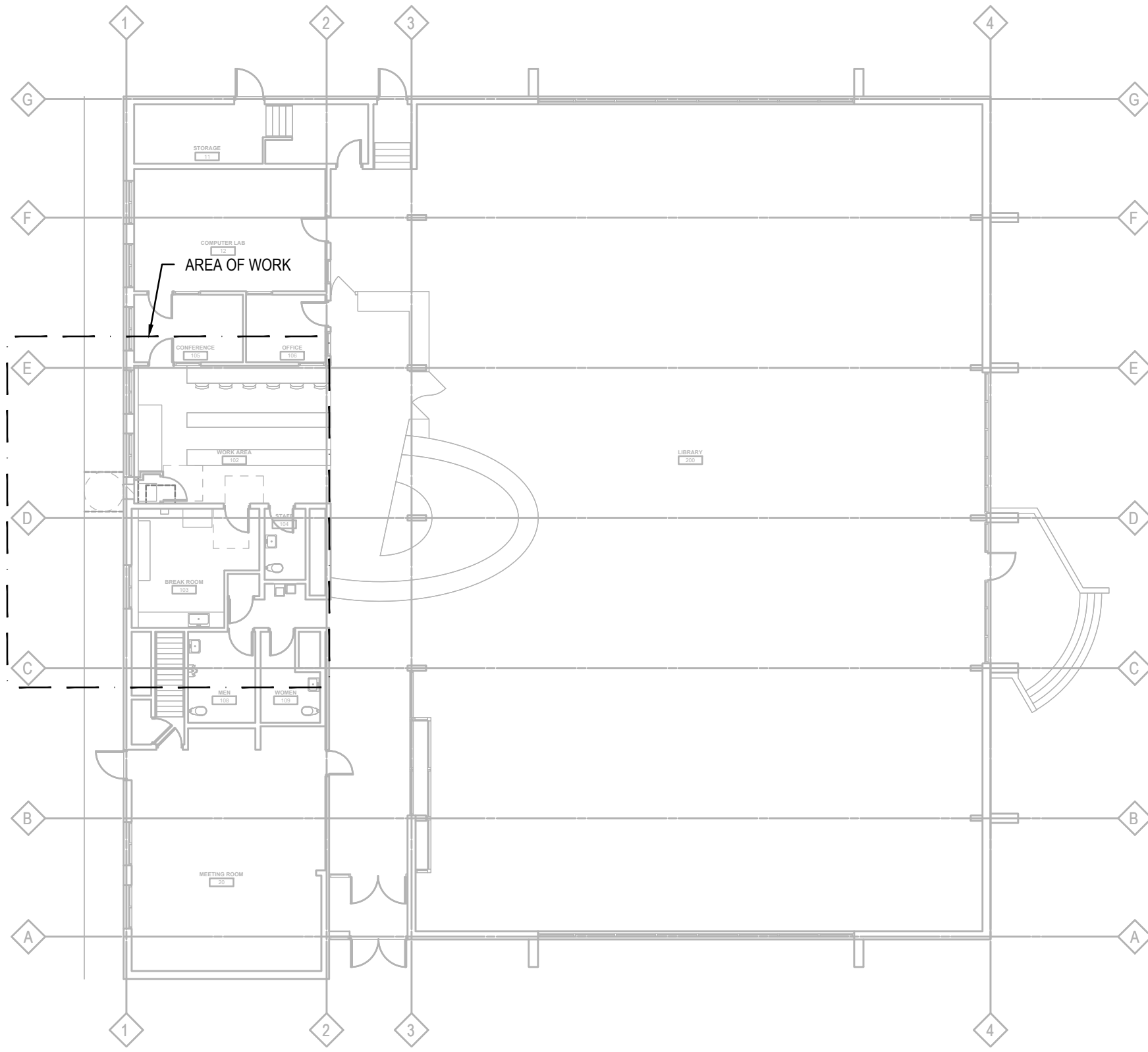
E

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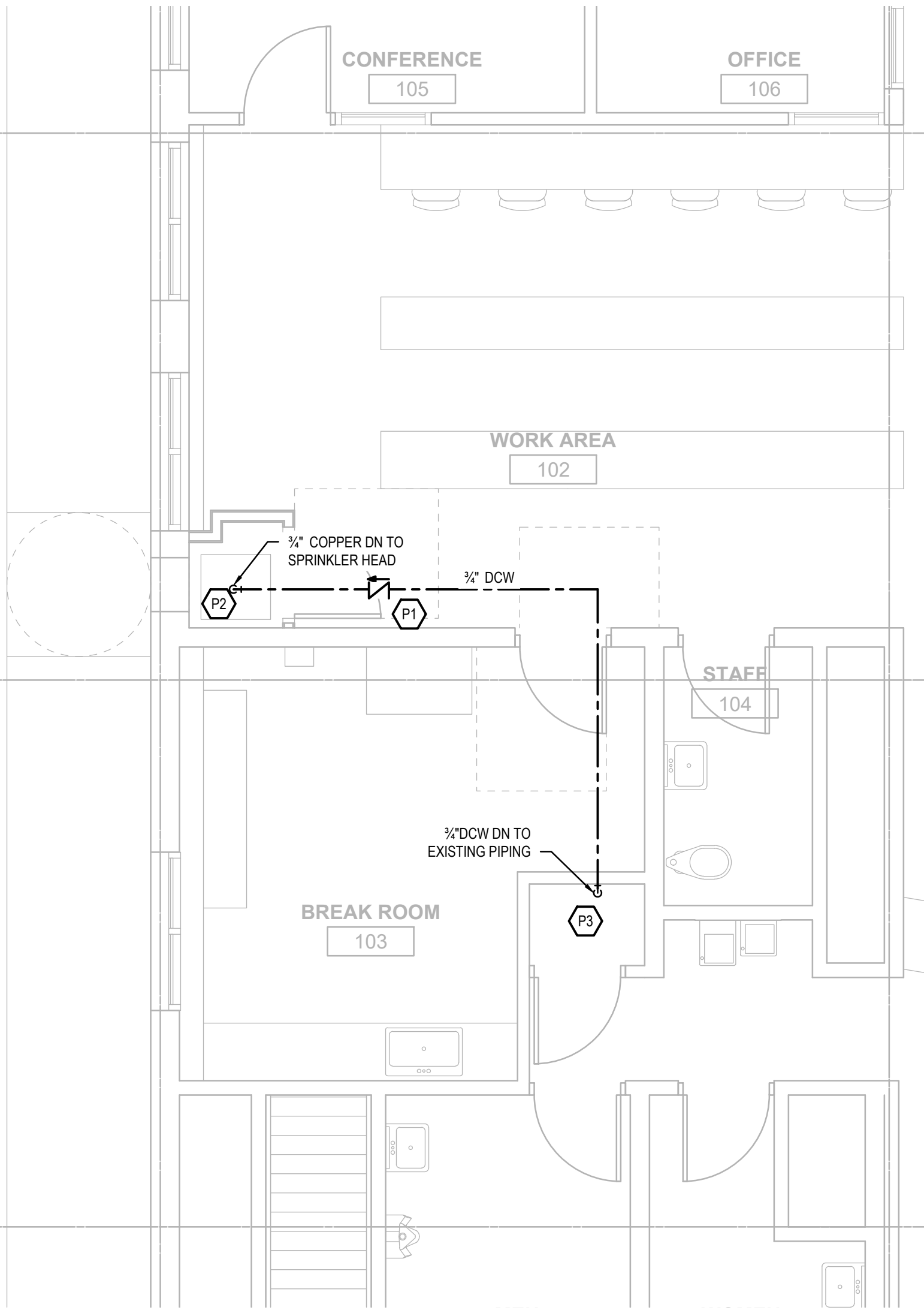
1 OVERALL FLOOR PLAN - ATKINSON STREET BRANCH
SCALE: 1/16" = 1'-0"

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2 ATKINSON STREET BRANCH - LEVEL 1 -
PLUMBING FLOOR PLAN
SCALE: 1/4" = 1'-0"



KEY NOTES

P1	PROVIDE BACKFLOW PREVENTER APPROVED FOR FIRE PROTECTION USE. SEE DETAIL 9P001
P2	PROVIDE A STANDARD COVERAGE QUICK RESPONSE SPRINKLER HEAD FROM VIKING CORPORATION.
P3	CONNECT TO 1-1/2"DCW PIPING SERVING EXISTING MOP BASIN. FIELD VERIFY EXACT POINT OF CONNECTION. CUT / PATCH CEILING OR WALL AS NECESSARY. MATCH EXISTING FINISHES.



PROJECT INFORMATION

MILWAUKEE PUBLIC
LIBRARY:
MULTI-BUILDING
ALTERATIONS

ATKINSON STREET BRANCH

CENTER STREET BRANCH

CENTRAL LIBRARY

ISSUANCE AND REVISIONS

#	DATE	DESCRIPTION
---	------	-------------

KEY PLAN

SHEET INFORMATION

PROJECT MANAGER	
PROJECT NUMBER	201829-01
DATE	06.03.2019

PLUMBING FLOOR
PLAN - ATKINSON
STREET BRANCH

P101



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PROJECT INFORMATION

MILWAUKEE PUBLIC LIBRARY:
MULTI-BUILDING ALTERATIONS

ATKINSON STREET BRANCH

CENTER STREET BRANCH

CENTRAL LIBRARY

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#	DATE	DESCRIPTION
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KEY PLAN

SHEET INFORMATION

PROJECT MANAGER	
PROJECT NUMBER	201829-01
DATE	06.03.2019

PLUMBING FLOOR
PLANS - CENTER
STREET BRANCH

P102

DEMOLITION NOTES

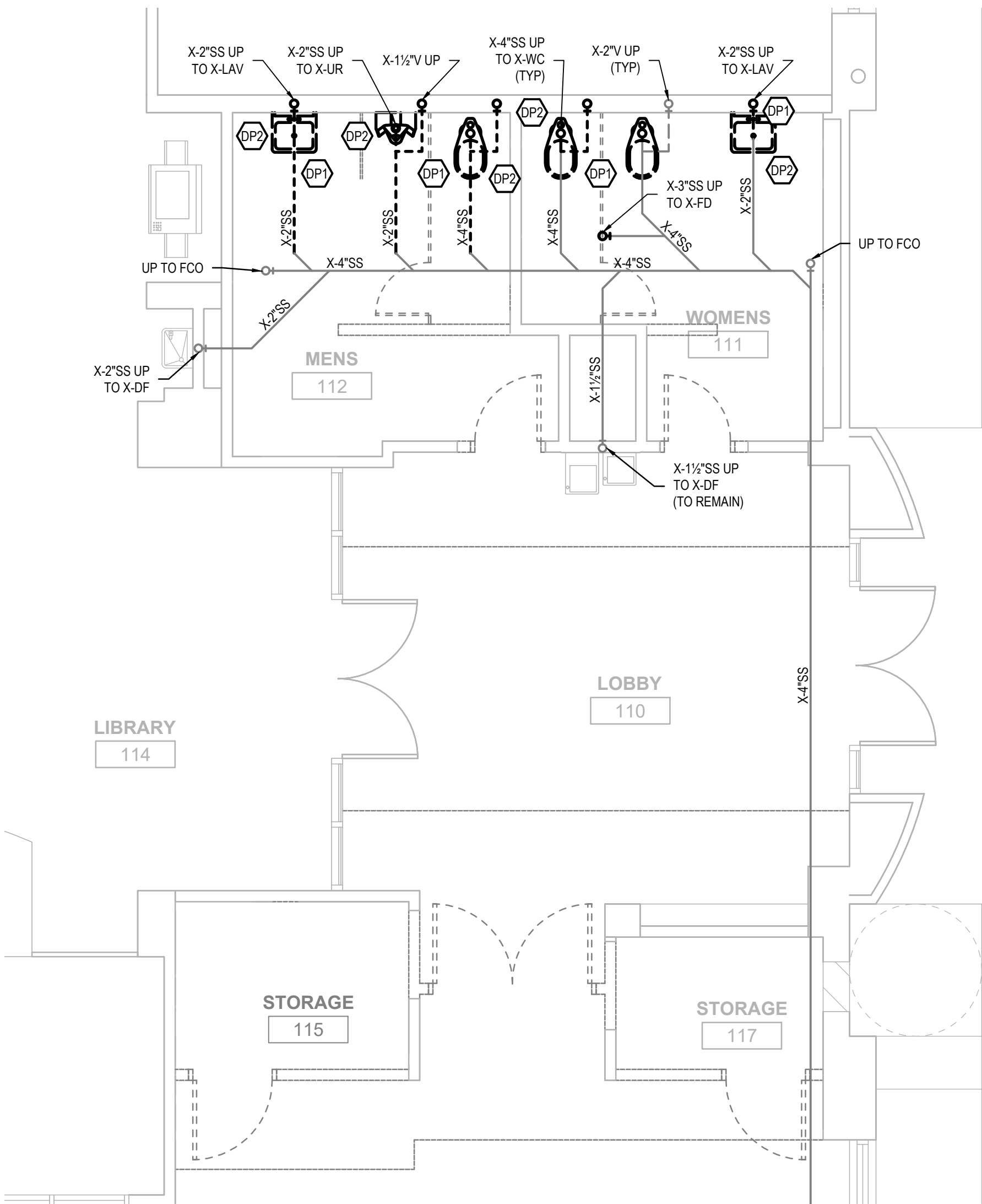
DP1	REMOVE EXISTING SANITARY AND VENT PIPING TO ACCOMMODATE NEW WORK. FIELD VERIFY LOCATION OF ALL EXISTING PIPING PRIOR TO DEMOLITION. CUT EXISTING CONCRETE SLAB AS REQUIRED FOR ALL WORK AND REPATCH.
DP2	REMOVE EXISTING RESTROOM FIXTURES AND FLOOR DRAIN.
DP3	REMOVE ALL WATER PIPING SERVING FIXTURES N EXISTING WALL.

SHEET NOTES

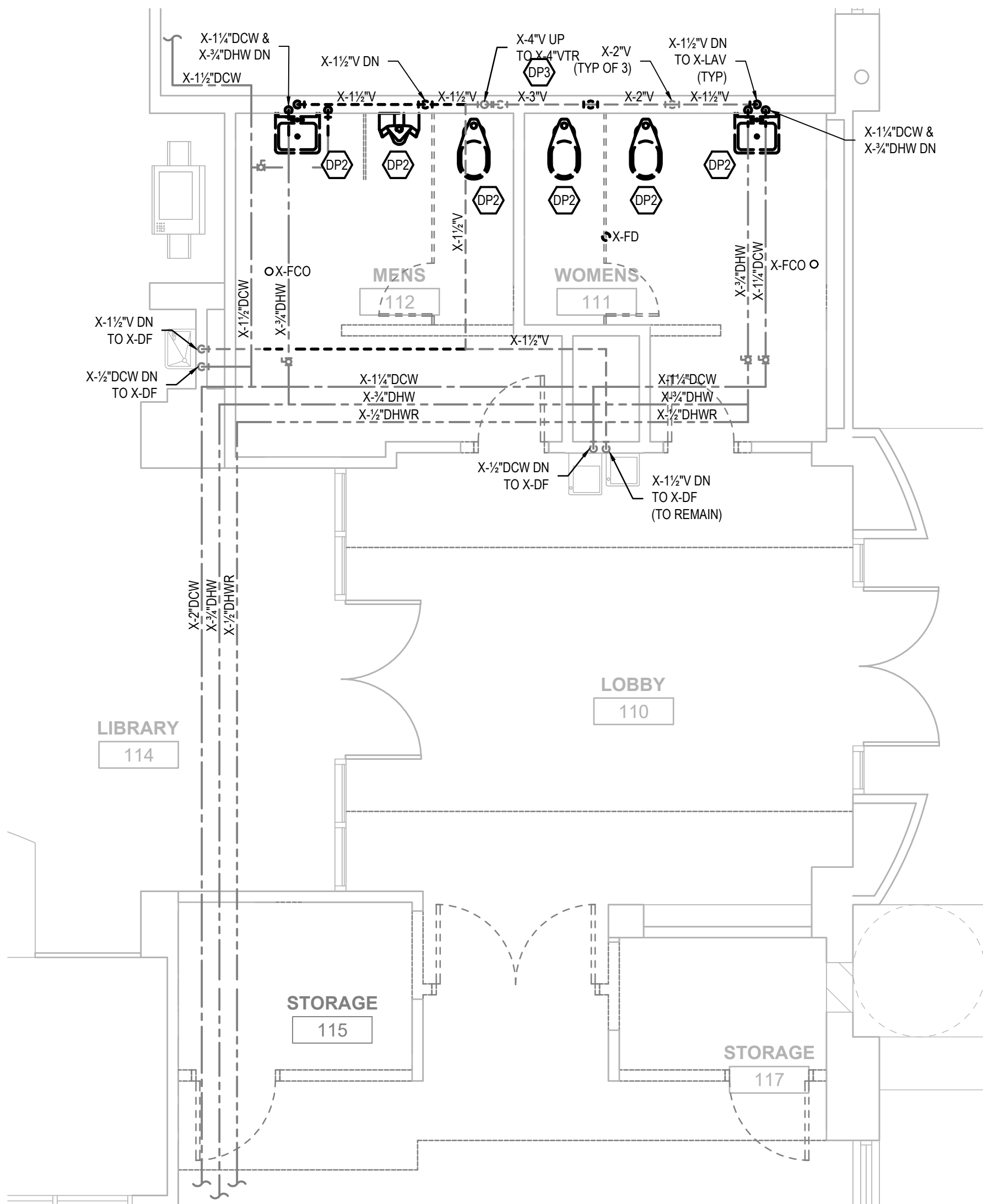
1. PROVIDE LOCKABLE 12x12 ACCESS PANELS IN DRYWALL, CEILINGS AND WALLS TO ACCESS ANY VALVES, AIR VENTS, EQUIPMENT, ETC. COORDINATE EXACT LOCATIONS WITH LIGHTING AND FIRE ALARM DEVICES.

KEY NOTES

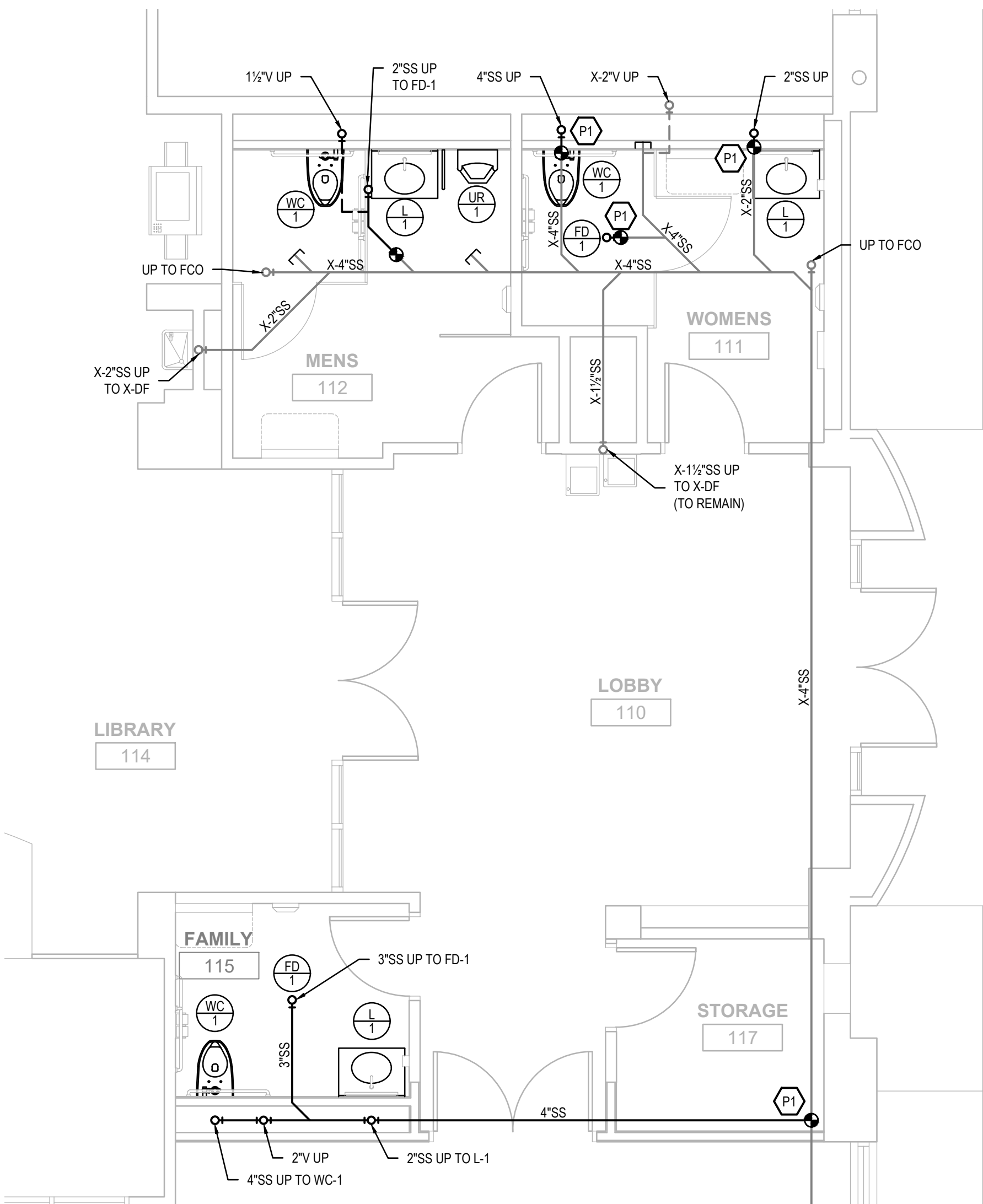
P1	FIELD VERIFY EXACT CONNECTION TO EXISTING PIPING.
P2	PROVIDE BACKFLOW PREVENTER APPROVED FOR FIRE PROTECTION USE. SEE DETAIL 5-P001.
P3	PROVIDE A STANDARD COVERAGE QUICK RESPONSE SPRINKLER HEAD FROM VIKING CORPORATION.
P4	SET CIRCUIT SETTER TO 0.5 GPM.



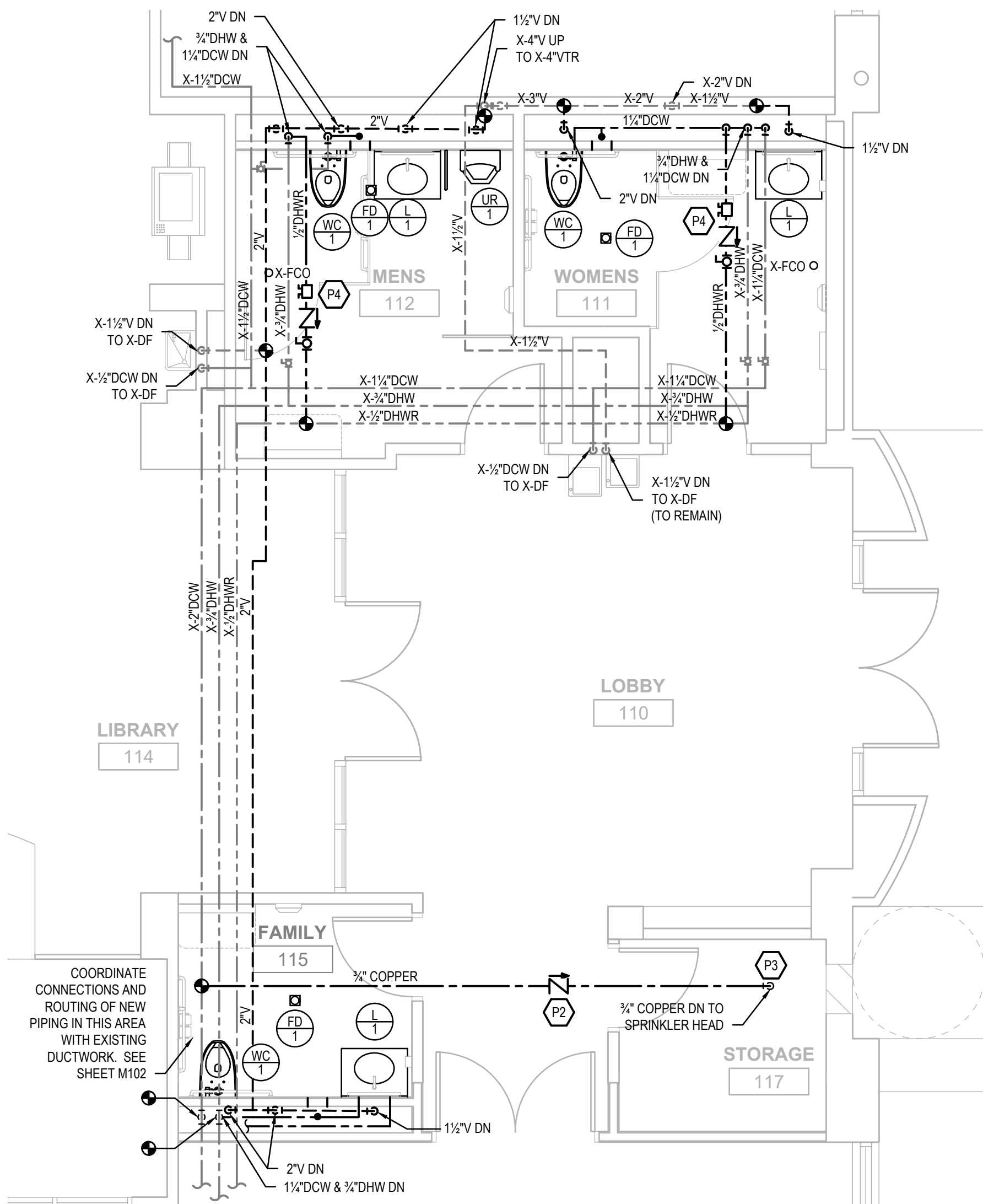
CENTER STREET BRANCH - LEVEL 1 -
UNDERSLAB PLUMBING DEMOLITION FLOOR PLAN



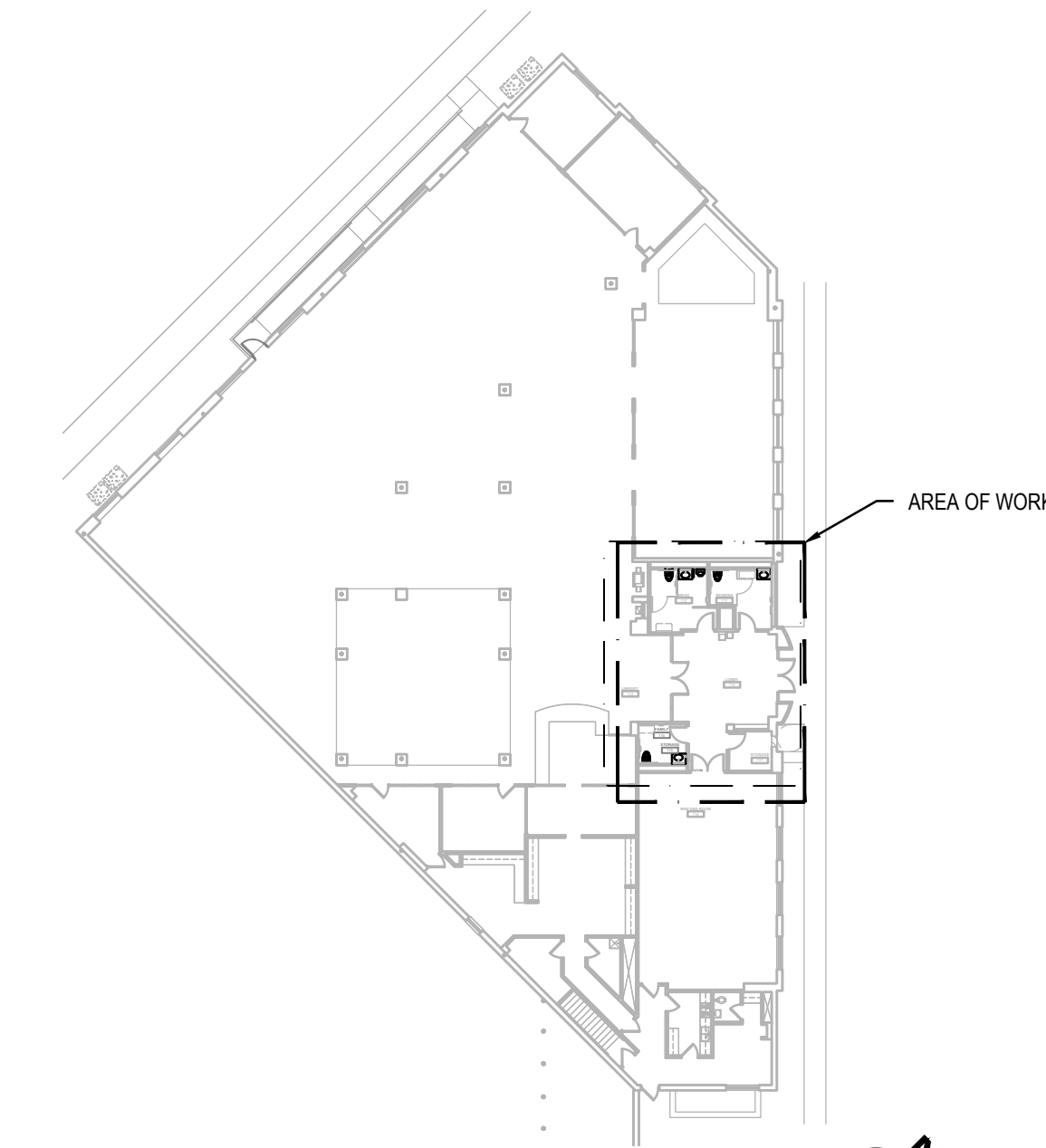
CENTER STREET BRANCH - LEVEL 1 -
ABOVE-SLAB PLUMBING DEMOLITION FLOOR PLAN



CENTER STREET BRANCH - LEVEL 1 -
UNDERSLAB PLUMBING NEW FLOOR PLAN



CENTER STREET BRANCH - LEVEL 1 -
ABOVE-SLAB PLUMBING NEW FLOOR PLAN



1 KEY PLAN

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VENTILATION SCHEDULE										
ROOM TAG	ROOM NAME	OCCUPANCY CLASSIFICATION	ROOM AREA (F ²)	VENTILATION REQUIREMENTS		ACTUAL SPACE VENTILATION			SERVED BY	
				NUMBER OF OCC. / FIXTURE	EXHAUST RATE REQUIREMENTS	MIN. SUPPLY (CFM)	O.A. (CFM)	EXHAUST (CFM)	SUPPLY	EXHAUST
	FAMILY RESTROOM	TOILET	66	1	75	NA	NA	75	NA	EF-1
	MENS TOILET	TOILET	127	2	150	NA	NA	150	NA	EF-1
	WOMENS TOILET	TOILET	103	1	75	NA	NA	75	NA	EF-1
			307	4	300	0	0	300		
1. PROVIDE TIME CLOCK AND SET FOR TYPICAL BUSINESS HOURS										

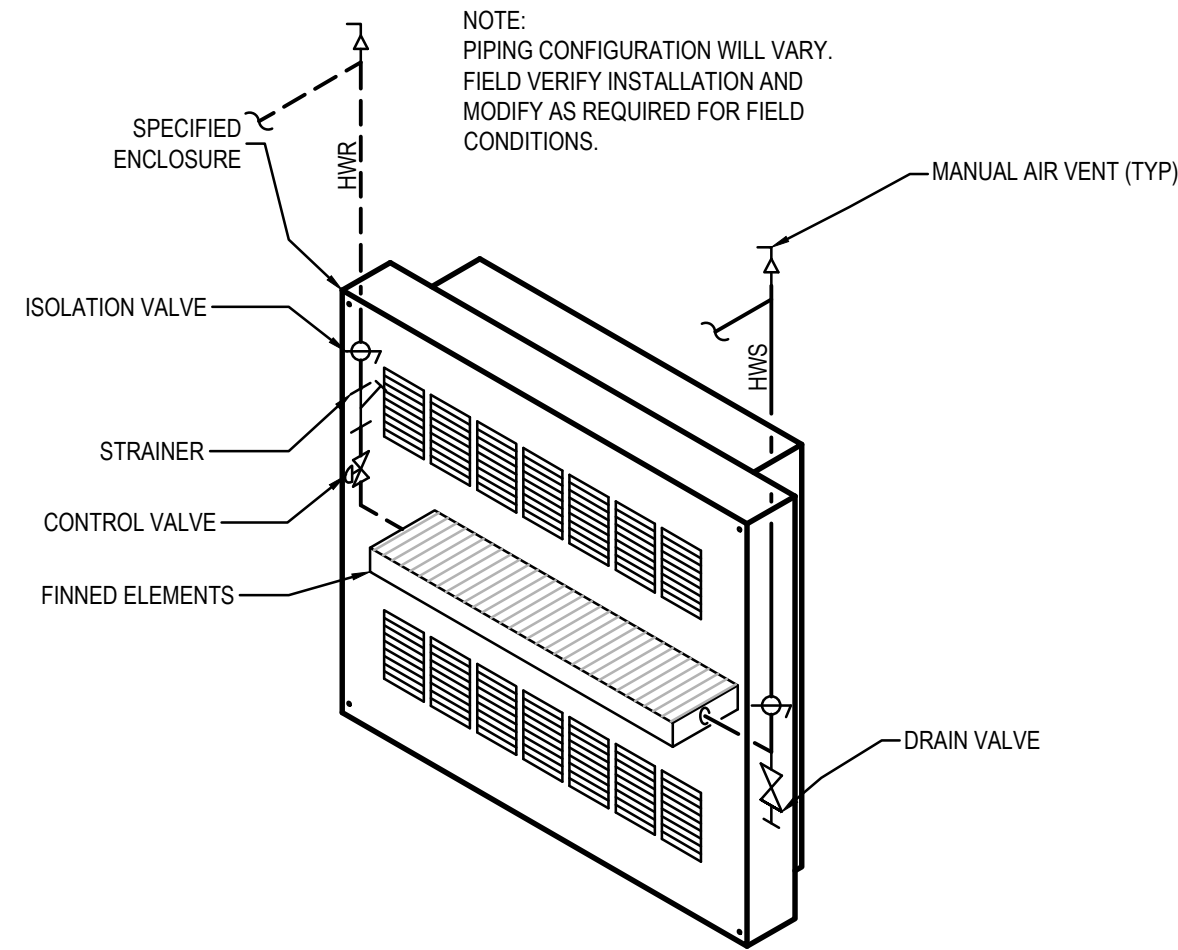
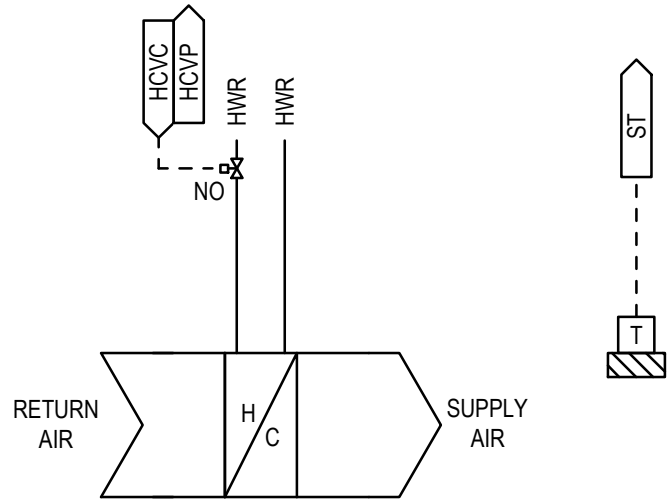
ELECTRIC CEILING HEATER (ECH)										
MARK	MANUFACTURER	MODEL	CONFIGURATION	FAN		HEATING		UNIT ELECTRICAL		REMARKS
				SUPPLY AIRFLOW (CFM)	RPM	KW	RISE (DEG F)	MCA	MOP	
ECH-1	QMARK	EFF1500	SURFACE MOUNT	150	1,400	2	42	12.5	20	ALL
1. UNIT SHALL INCLUDE DISCONNECT 2. PROVIDE SURFACE MOUNT NORTHERN WHITE FRAME 3. PROVIDE WITH INTEGRAL THERMOSTAT AND SET TO 65 DEGREES										

CONVECTORS										
MARK	MANUFACTURER	MODEL	HEATING CAPACITY (BTUH)	WATER COIL				REMARKS		
				GPM	MAX PRESS. DROP	ΔT (DEG F)	LWT (DEG F)			
CONV-1	STERLING	FW-A 4-28-24	4,255	0.4	5.0	180	160	ALL		
CONV-2	STERLING	FW-A 4-28-24	4,255	0.4	5.0	180	160	ALL		
CONV-3	STERLING	W-A 4-28-20	4,465	0.4	5.0	180	160	ALL		
1. PROVIDE PIPING PACKAGE INCLUDING ISOLATION VALVES, BALANCING VALVE, UNION CONNECTIONS AND TWO-WAY MODULATING CONTROL VALVE. 2. PROVIDE VANDAL RESISTANT ACCESS DOOR 3. PROVIDE TAMPER RESISTANT DAMPER										

DIFFUSERS AND GRILLES															
MARK	MANUFACTURER	MODEL	TYPE	SERVICE	MATERIAL	CONFIGURATION								FINISH	REMARKS
						FACE SIZE (IN)	PATTERN	SLOTS		BLADES					
							QTY	WIDTH (IN)	THICKNESS (IN)	SPACING (IN)	ANGLE				
E-1	TITUS	30FS	LOUVERED GRILLE	EXHAUST	ALUMINUM	8X8	-	-	-	3/4	35°	EXTERNAL SCREW	NO	WHITE	

FANS																	
TYPE MARK	MARK	MANUFACTURER	MODEL	TYPE	SERVICE	LOCATION	DRIVE	AIRFLOW (CFM)	ESP (IN WC)	RPM	MOTOR		UNIT ELECTRICAL		WEIGHT (LBS)	REMARKS	
											HP	BHP	VOLTS / PH	STARTER			DISCONNECT
EF	1	GREENHECK	G-688-VG	DOWNBLAST	RESTROOMS	EXISTING ROOF	DIRECT	300	0.50	1188	1/5	NA	120/1Ø	MAGNETIC	NON-FUSED	47	ALL
1. PROVIDE WITH STARTER/DISCONNECT 2. PROVIDE WITH CURB ADAPTOR 3. MOTORIZED BACKDRAFT DAMPER 4. PROVIDE WITH TIMECLOCK.																	

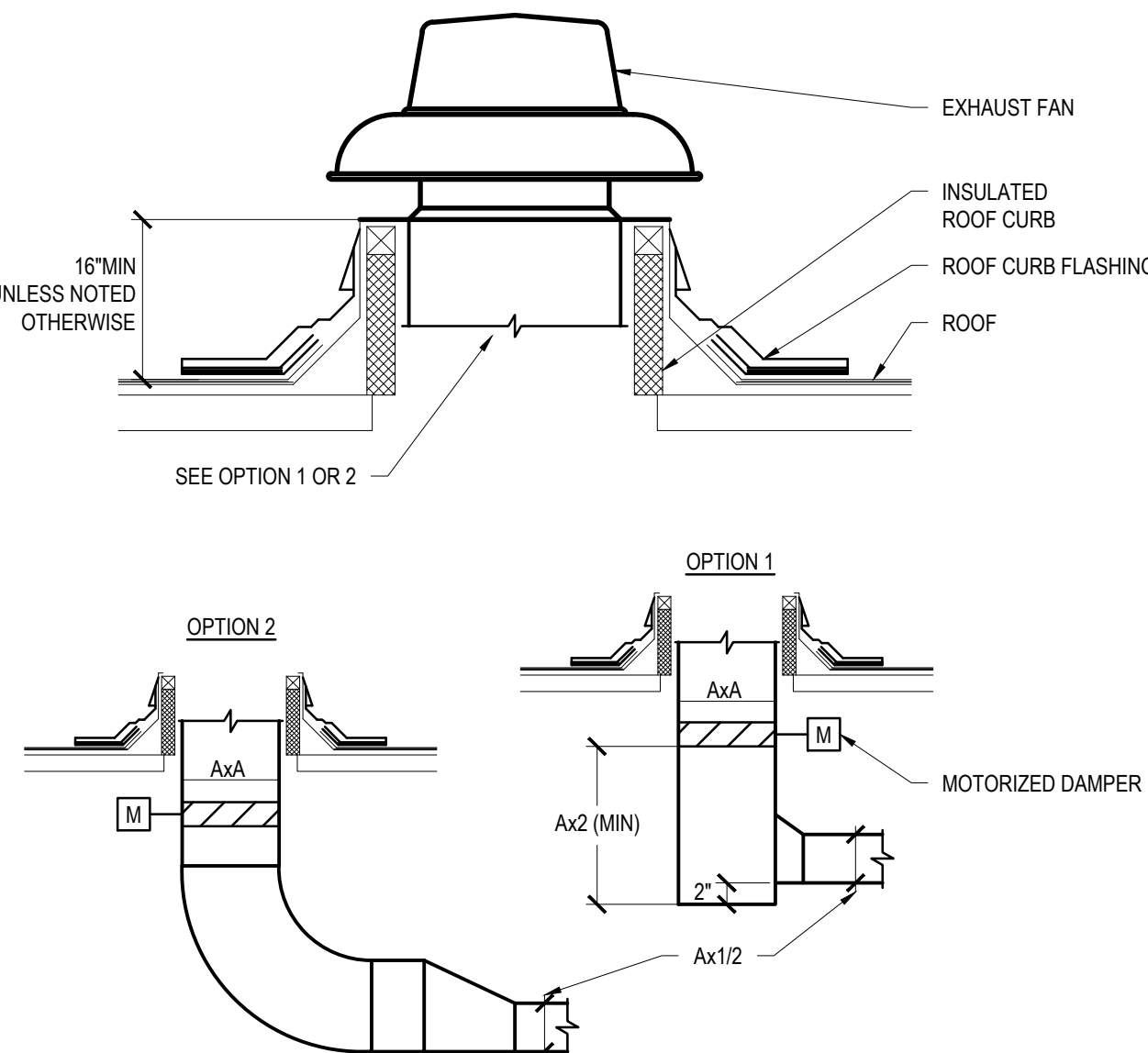
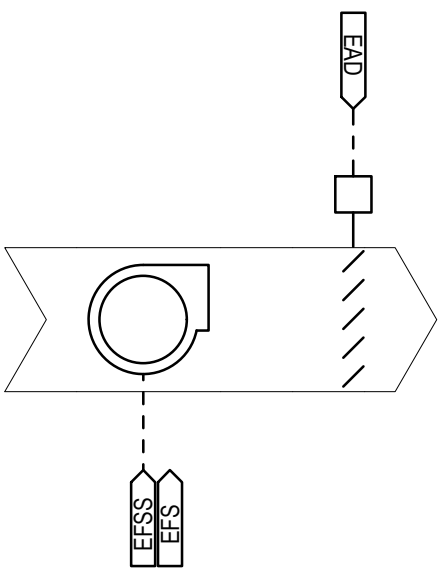
SYSTEM POINT LIST: CONVECTORS										
POINT DESCRIPTION	ABBRV	HARDWARE POINT	VIRTUAL POINT	HARDWARE INTERLOCK	ALARM	MONITOR POINT	GRAPHIC	REMARKS		
FOR EACH CONVECTOR										
Space Temperature	ST	AI				5 min	•			
Hot Water Col Valve Control	HVCV	AO				5 min	•			
Hot Water Col Valve Position	HCVF	AI				5 min	•			
Space Occupied Heating Setpoint							•			
Space Unoccupied Heating Setpoint						90 day	•			
CONTROL SEQUENCE:										
A. CONVECTORS:										
1. ON CALL FOR HEATING FROM SPACE SENSOR:										
a. MODULATE HOT WATER CONTROL VALVE TO MAINTAIN SPACE SET POINT TEMPERATURE.										



C

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SYSTEM POINT LIST: EXHAUST FANS										
POINT DESCRIPTION	ABBRV	HARDWARE POINT	VIRTUAL POINT	HARDWARE INTERLOCK	ALARM	MONITOR POINT	GRAPHIC	REMARKS		
FOR ALL EXHAUST FANS										
Exhaust Fan Start/Stop	EFSS	BO				COV	•			
Exhaust Fan Status	EFSS	BI				5 Min	•			
Exhaust Fan Damper	EAD	AO				5 Min	•			
CONTROL SEQUENCE:										
A. EF-1:										
1. DURING OCCUPIED MODE:										
a. FAN SHALL BE 'ON' AND EXHAUST AIR DAMPER SHALL BE OPEN.										
1. DURING UNOCCUPIED MODE:										
a. FAN SHALL BE 'OFF' AND EXHAUST AIR DAMPER SHALL BE CLOSED.										



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PROJECT INFORMATION

MILWAUKEE PUBLIC LIBRARY:
MULTI-BUILDING ALTERATIONS

ATKINSON STREET BRANCH

CENTER STREET BRANCH

CENTRAL LIBRARY

ISSUANCE AND REVISIONS

#	DATE	DESCRIPTION
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KEY PLAN

SHEET INFORMATION

PROJECT MANAGER	
PROJECT NUMBER	201829-01
DATE	06.03.2019

MECHANICAL SCHEDULES, NOTES, LEGENDS, ABBREVIATIONS & DETAILS

M001



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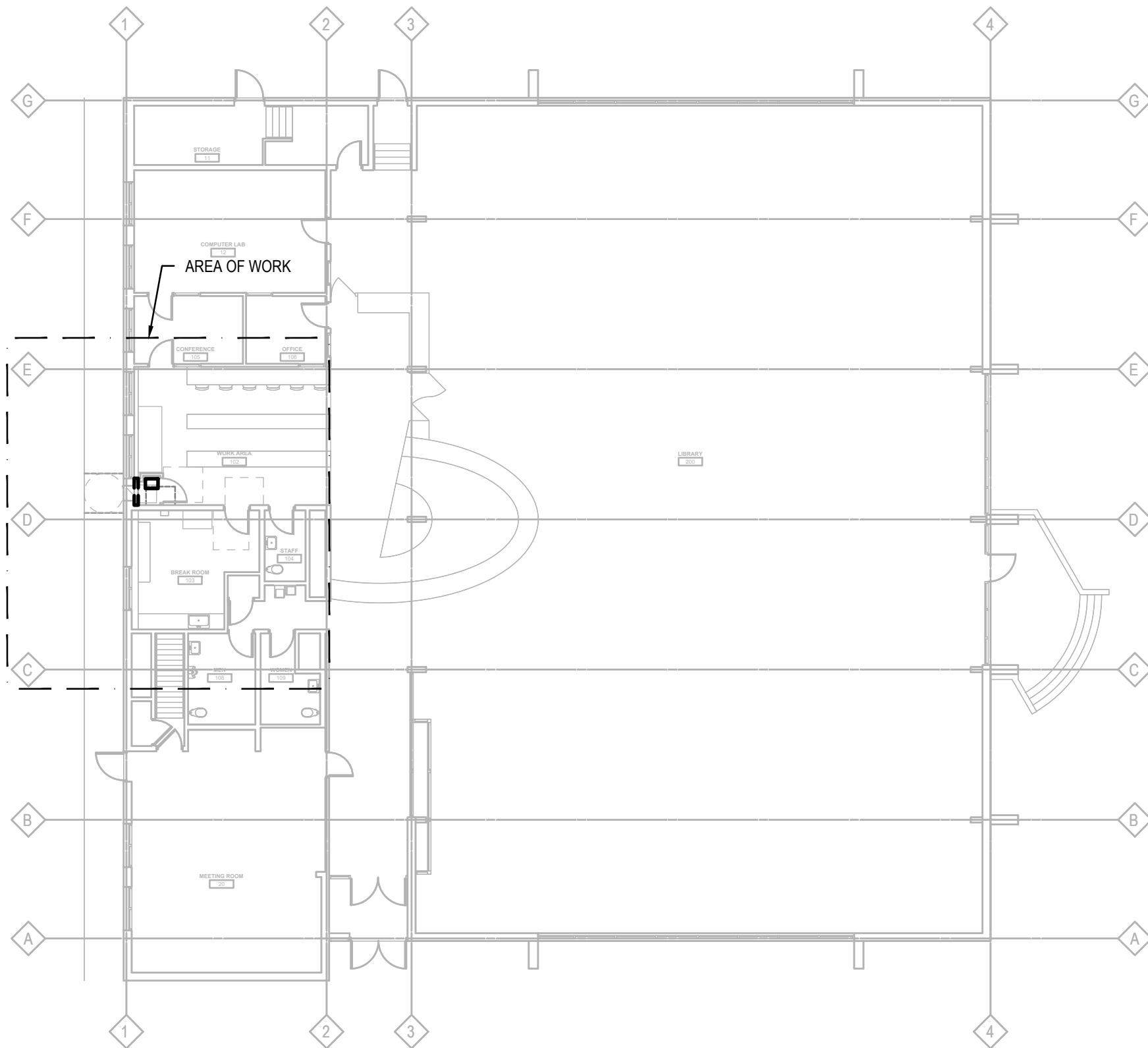
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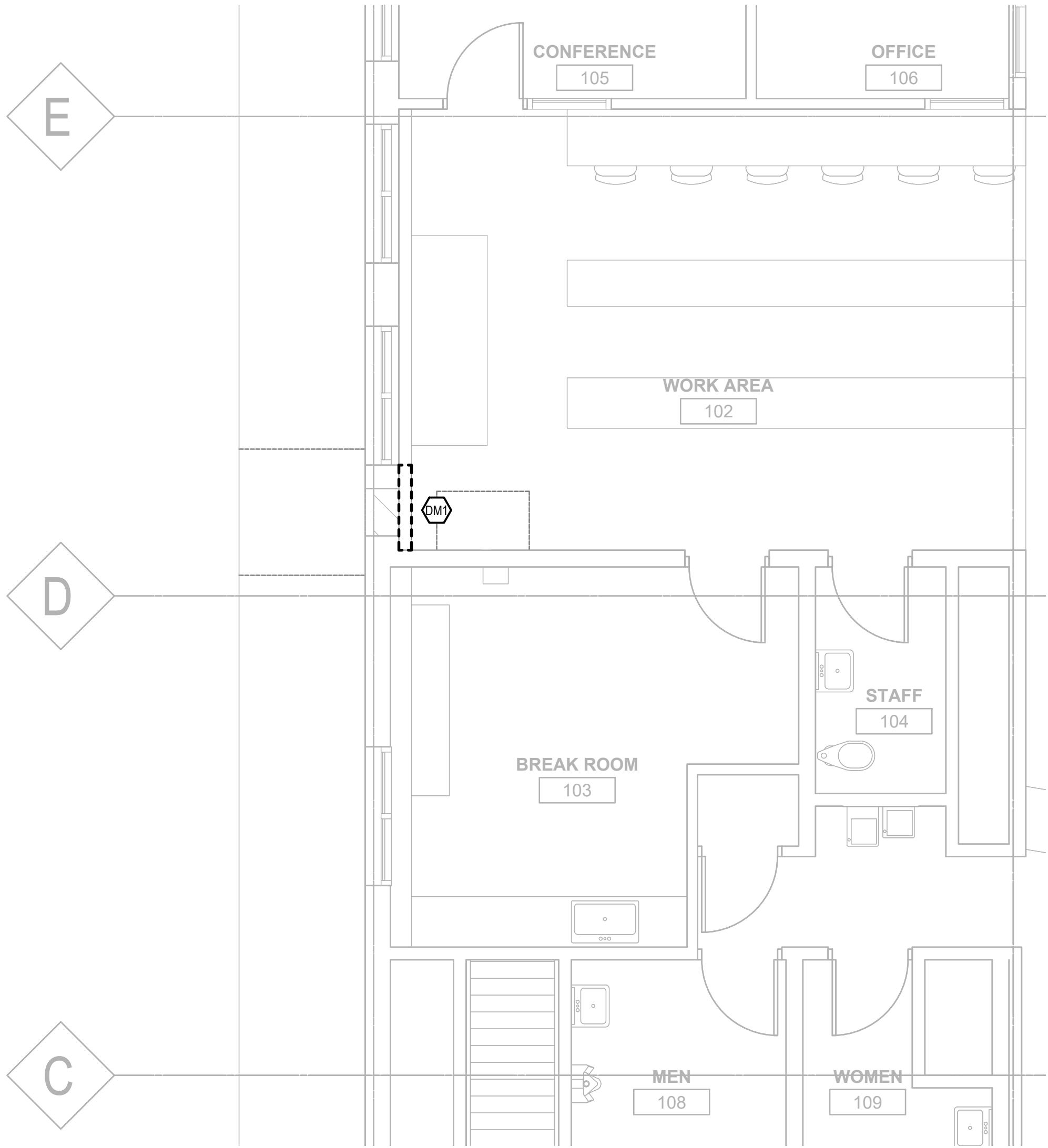
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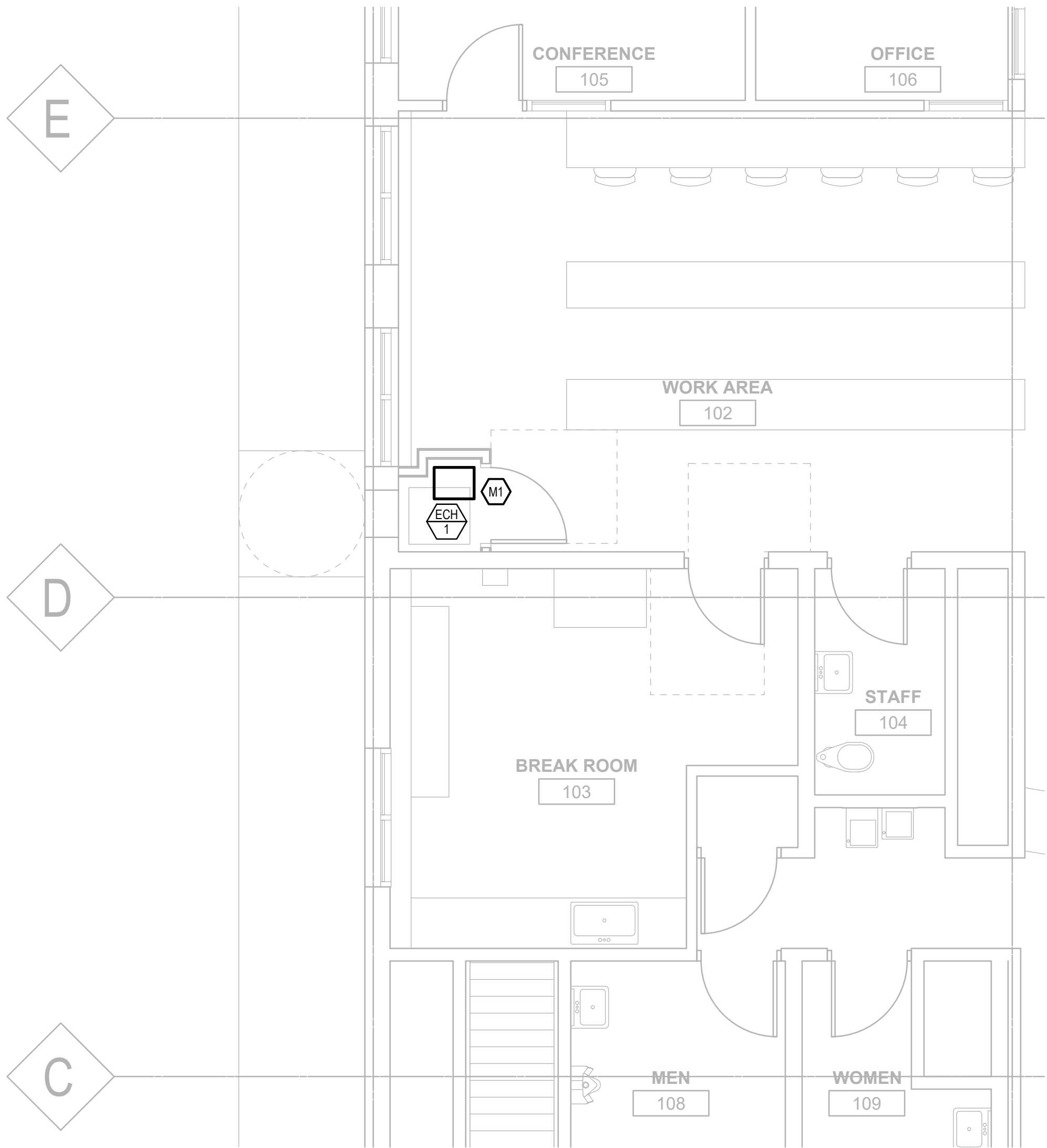
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1 ATKINSON STREET BRANCH - OVERALL FLOOR PLAN
SCALE: 1/16" = 1'-0"



3 ATKINSON STREET BRANCH - LEVEL 1 -
MECHANICAL DEMOLITION FLOOR PLAN
SCALE: 1/4" = 1'-0"



2 ATKINSON STREET BRANCH - LEVEL 1 -
MECHANICAL NEW FLOOR PLAN
SCALE: 1/4" = 1'-0"

DEMOLITION NOTES

DM1 REMOVE SECTION OF EXISTING SUPPLY PLENUM BOX AND GRILLE. CAP OFF END SECTION.

KEY NOTES

M1 COORDINATE EXACT LOCATION WITH NEW LIGHT AND SPRINKLER HEAD.



PROJECT INFORMATION

MILWAUKEE PUBLIC LIBRARY:
MULTI-BUILDING ALTERATIONS

ATKINSON STREET BRANCH
CENTER STREET BRANCH
CENTRAL LIBRARY

ISSUANCE AND REVISIONS

#	DATE	DESCRIPTION
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KEY PLAN

SHEET INFORMATION

PROJECT MANAGER	
PROJECT NUMBER	201829-01
DATE	06.03.2019

MECHANICAL FLOOR PLANS -
ATKINSON STREET BRANCH

M101

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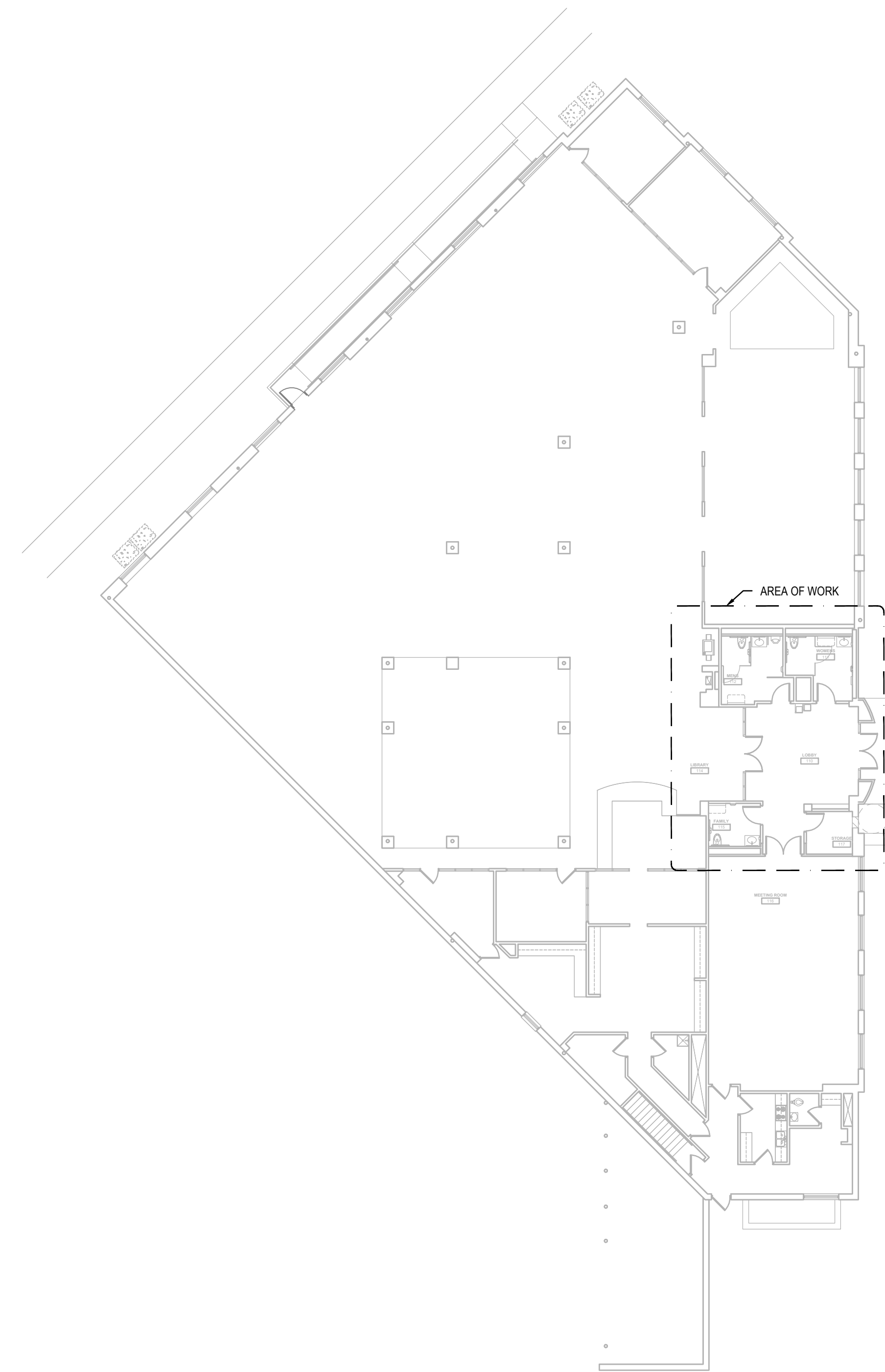
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1 CENTER STREET BRANCH - OVERALL FLOOR PLAN
SCALE: 1/16" = 1'-0"

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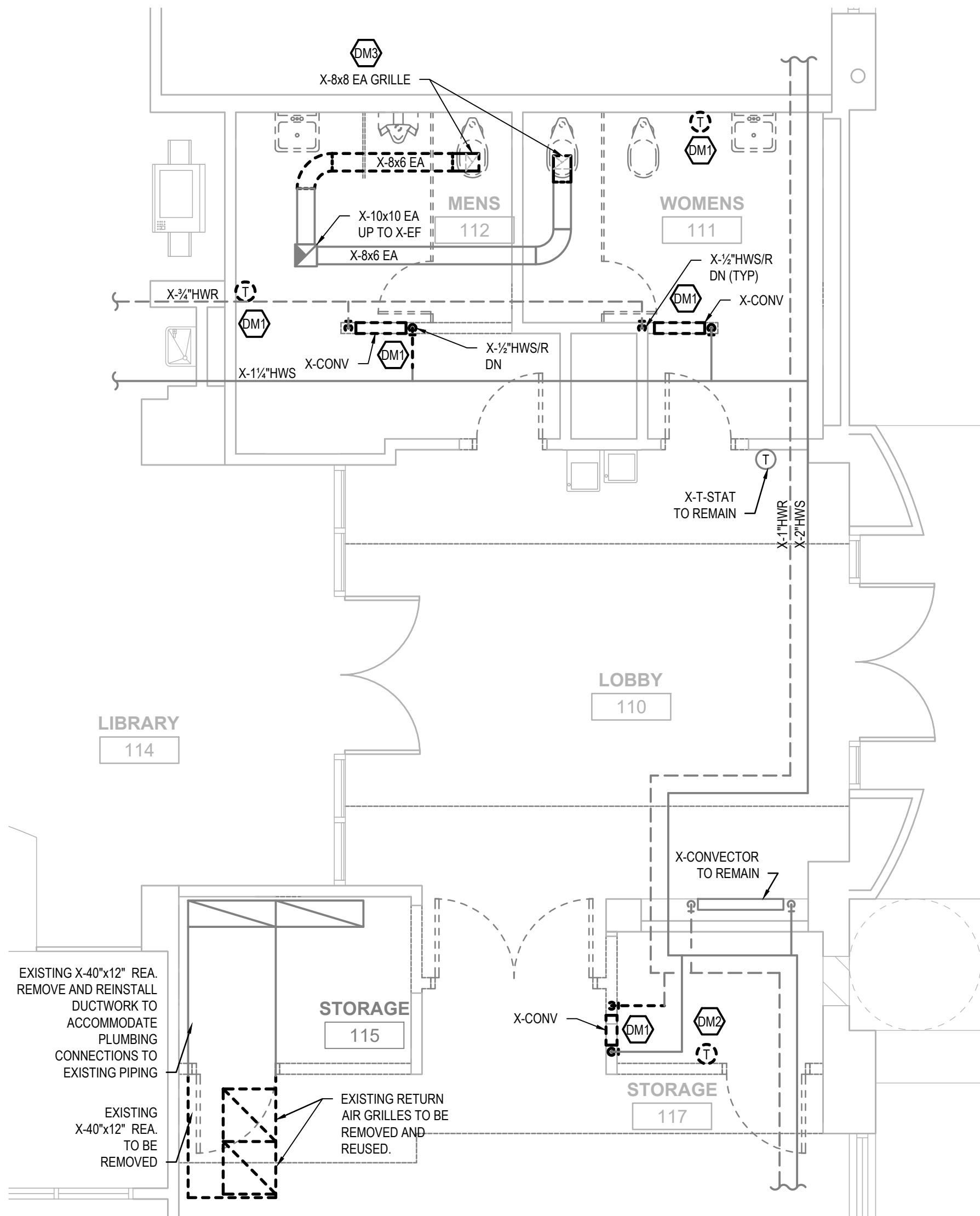
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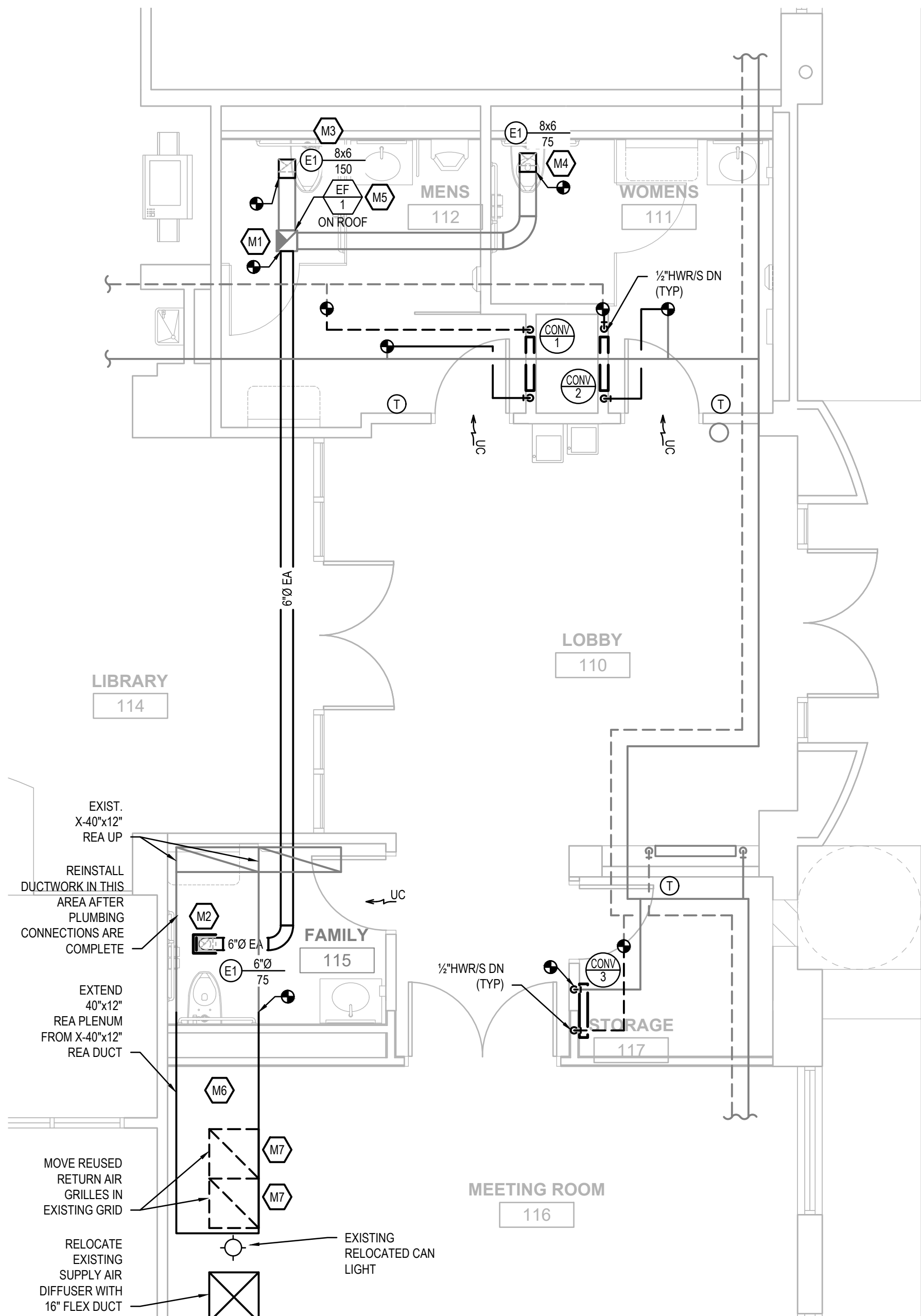
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3 CENTER STREET BRANCH - LEVEL 1 -
MECHANICAL DEMOLITION FLOOR PLAN
SCALE: 1/4" = 1'-0"



2 CENTER STREET BRANCH - LEVEL 1 -
MECHANICAL NEW FLOOR PLAN
SCALE: 1/4" = 1'-0"

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DEMOLITION NOTES

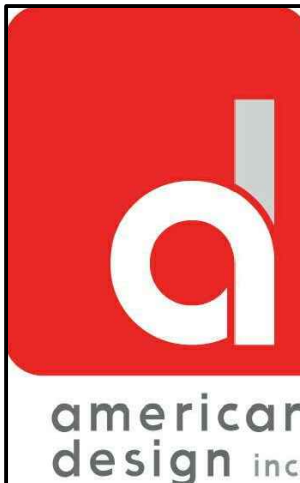
DM1	REMOVE EXISTING CONVECTORS AND CONTROLS. KEEP EXISTING PIPING IN THE CEILING TO ACCOMMODATE NEW CONVECTORS.
DM2	REMOVE EXISTING THERMOSTAT.
DM3	REMOVE EXISTING EXHAUST GRILLES AND DUCTWORK.

SHEET NOTES

1. PROVIDE LOCKABLE 12x12 ACCESS PANELS IN DRYWALL, CEILINGS AND WALLS TO ACCESS ANY VALVES, AIR VENTS, EQUIPMENT, ETC. COORDINATE EXACT LOCATIONS WITH LIGHTING AND FIRE ALARM DEVICES

KEY NOTES

M1	CONNECT TO X-10x10 EA DUCTWORK AND PROVIDE MANUAL BALANCING DAMPER.
M2	PROVIDE NEW EXHAUST GRILLE.
M3	PROVIDE NEW GRILLE AND REBALANCE TO 150 CFM.
M4	PROVIDE NEW GRILLE AND REBALANCE TO 75 CFM.
M5	PROVIDE NEW EXHAUST FAN AND PROVIDE CURB ADAPTOR AS REQUIRED TO REUSE EXISTING CURB.
M6	WHEN EXTENDING DUCT DO NOT BLOCK ELECTRICAL JUNCTION BOXES LOCATED IN SOFFIT.
M7	CLEAN AND REUSE EXISTING X-24"x24" EGG CRATE GRILLES



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KEY PLAN

SHEET INFORMATION

PROJECT MANAGER

PROJECT NUMBER 201829-01

DATE 06.03.2019

MECHANICAL
FLOOR PLANS -
CENTER STREET
BRANCH

M102

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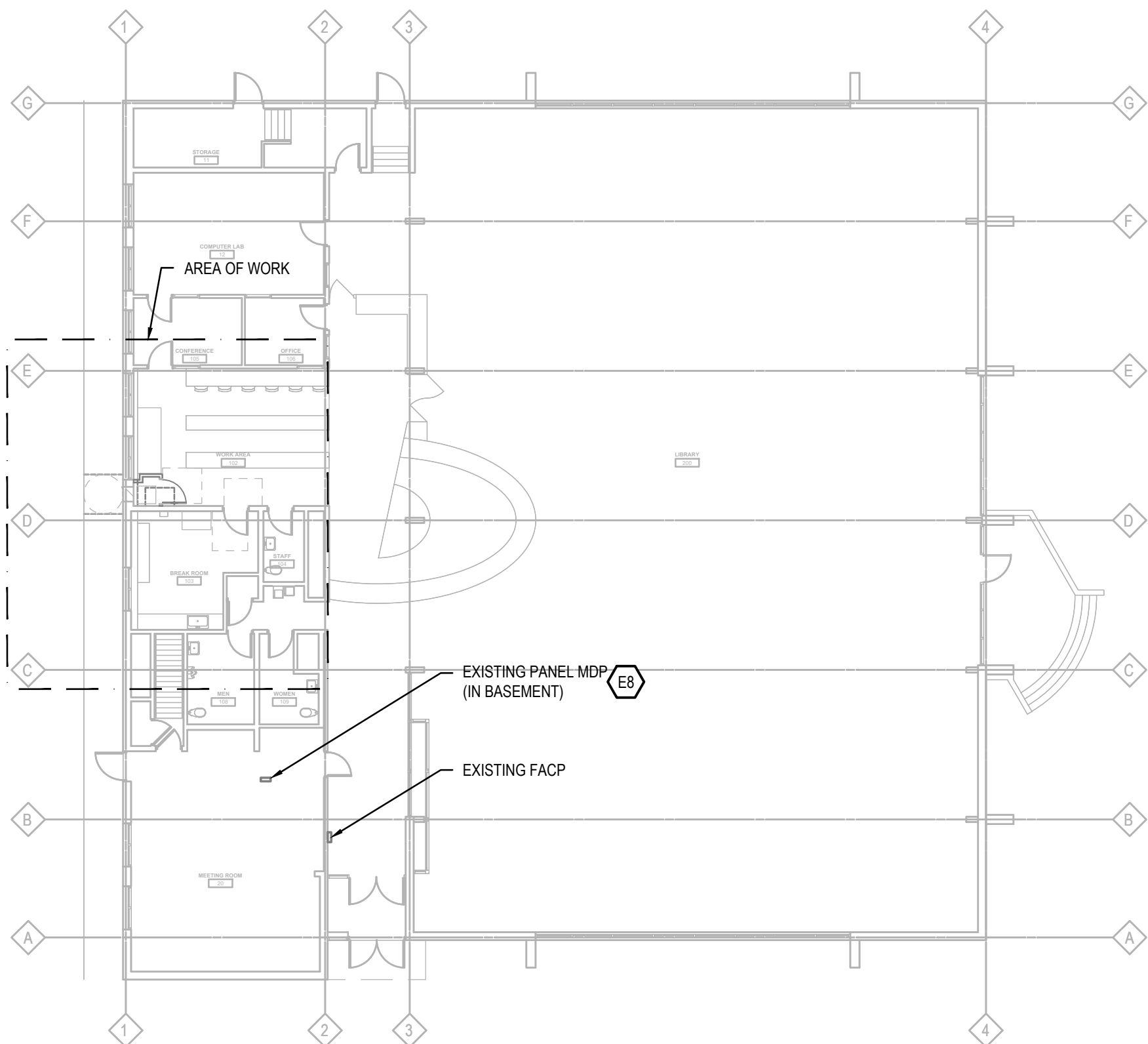
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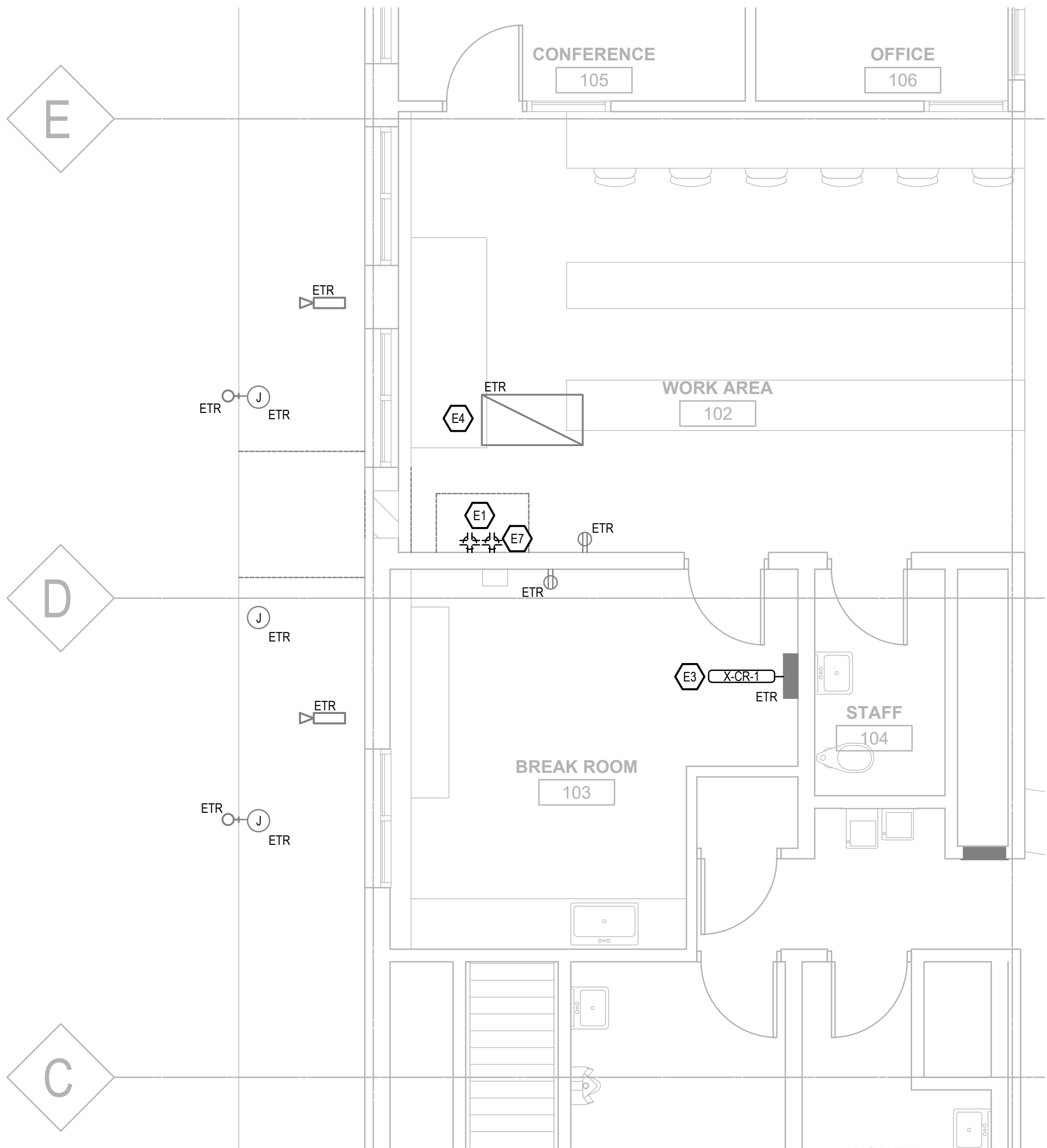
1 ATKINSON STREET BRANCH - OVERALL FLOOR PLAN
SCALE: 1/16" = 1'-0"

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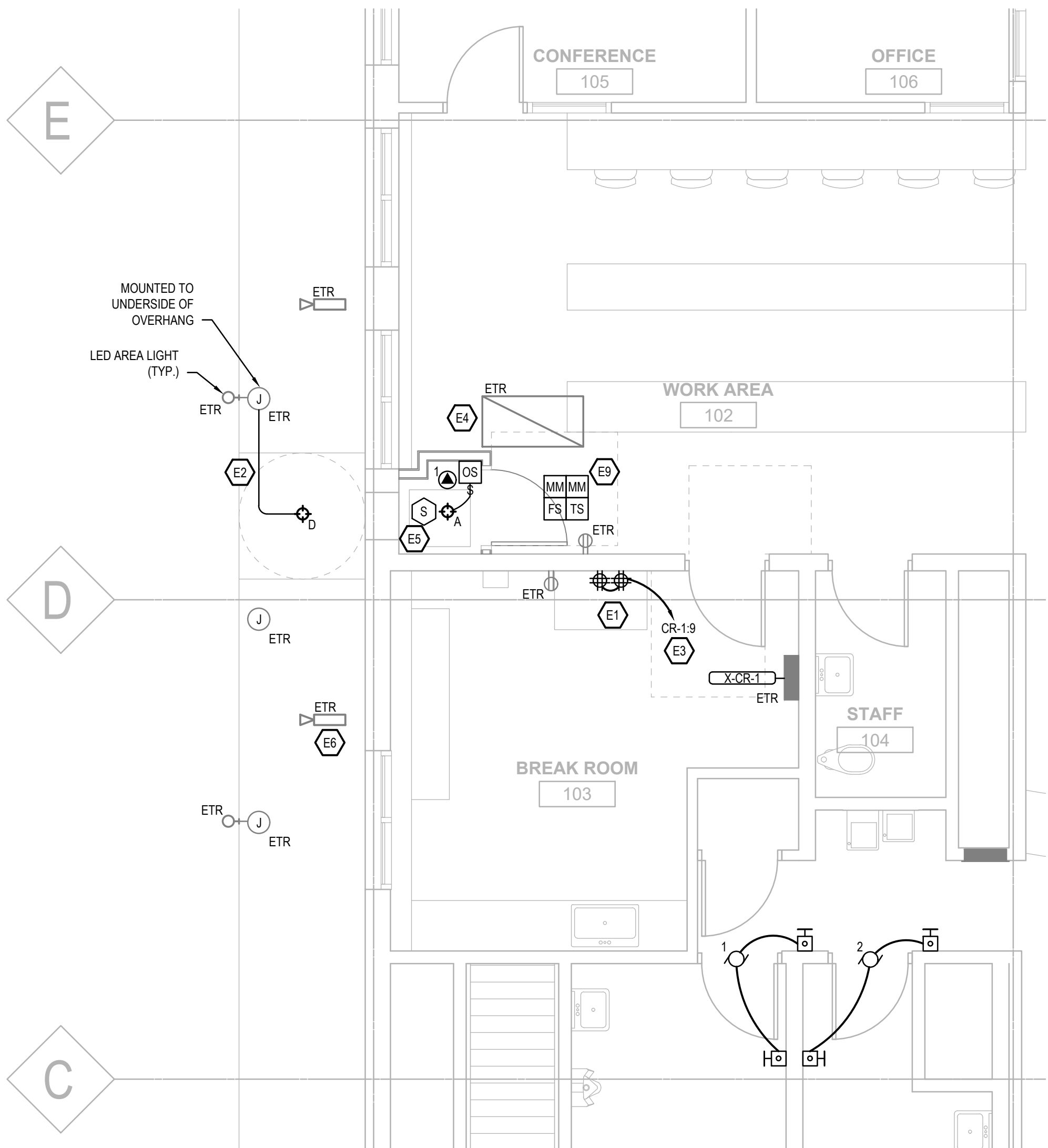
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3 ATKINSON STREET BRANCH - LEVEL 1 -
ELECTRICAL DEMOLITION FLOOR PLAN
SCALE: 1/4" = 1'-0"



2 ATKINSON STREET BRANCH - LEVEL 1 -
ELECTRICAL FLOOR PLAN
SCALE: 1/4" = 1'-0"

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KEY NOTES

E1	RELOCATION OF EXISTING DATA RACK AND ALL ASSOCIATED DATA CABLING TO BE DONE BY MPL.
E2	EXTEND EXISTING EXTERIOR LIGHT CIRCUIT TO NEW LIGHT FIXTURE ABOVE BOOK DROP.
E3	EXISTING PANEL CR-1, SIEMENS TYPE S1, PROVIDE NEW 20A/1P CIRCUIT FOR DATA CABINET RECEPTACLES.
E4	TEMPORARILY REMOVE EXISTING LIGHT FIXTURE, IF REQUIRED, TO ACCOMMODATE NEW WALL CONSTRUCTION.
E5	PROVIDE SMOKE DETECTOR IN NEW BOOK DROP CLOSET. CONNECT TO EXISTING FIRE ALARM SYSTEM.
E6	ADJUST AMING OF CAMERA TO PROVIDE COVERAGE OF BOOK DROP AREA.
E7	DISCONNECT AND REMOVE EXISTING RECEPTACLES, INCLUDING ALL ASSOCIATED CONDUIT AND WIRING BACK TO PANEL.
E8	EXISTING 400A, 120/240V, 1PH, 3W - PANEL "MDP" (SQUARE D TYPE NQ00) LOCATED IN BASEMENT. PROVIDE (2) NEW 20A/1P BREAKERS TO SERVE NEW CIRCUITS.
E9	PROVIDE ADDRESSABLE MONITORING MODULES FOR SPRINKLER FLOW AND TAMPER SWITCHES. CONNECT TO EXISTING FIRE ALARM SYSTEM. COORDINATE QUANTITY OF SWITCHES WITH FIRE PROTECTION SYSTEM CONTRACTOR.



PROJECT INFORMATION

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ELECTRICAL FLOOR
PLANS - ATKINSON
STREET BRANCH

E101



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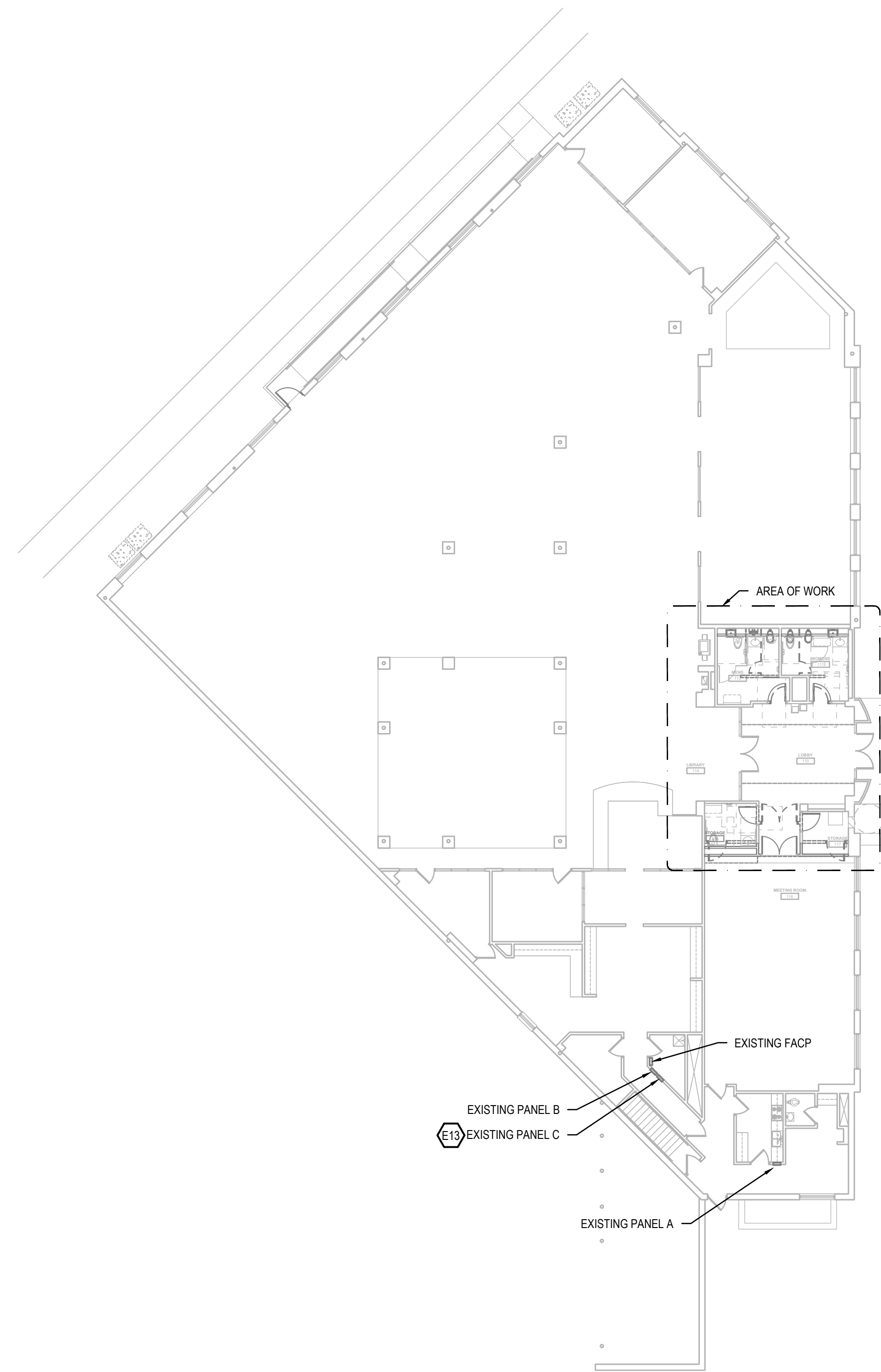
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1 CENTER STREET BRANCH - OVERALL FLOOR PLAN
SCALE: 1/16" = 1'-0"

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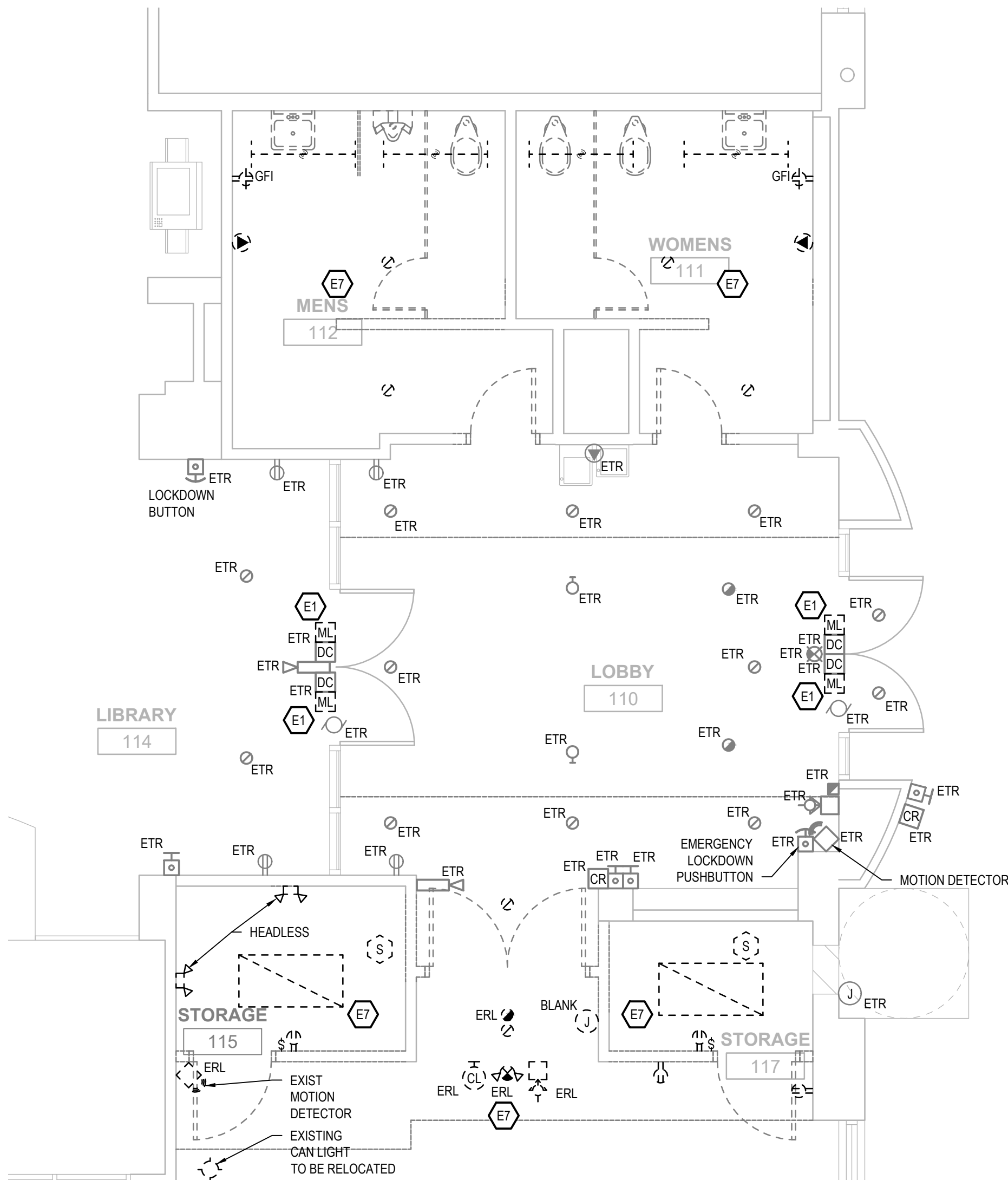
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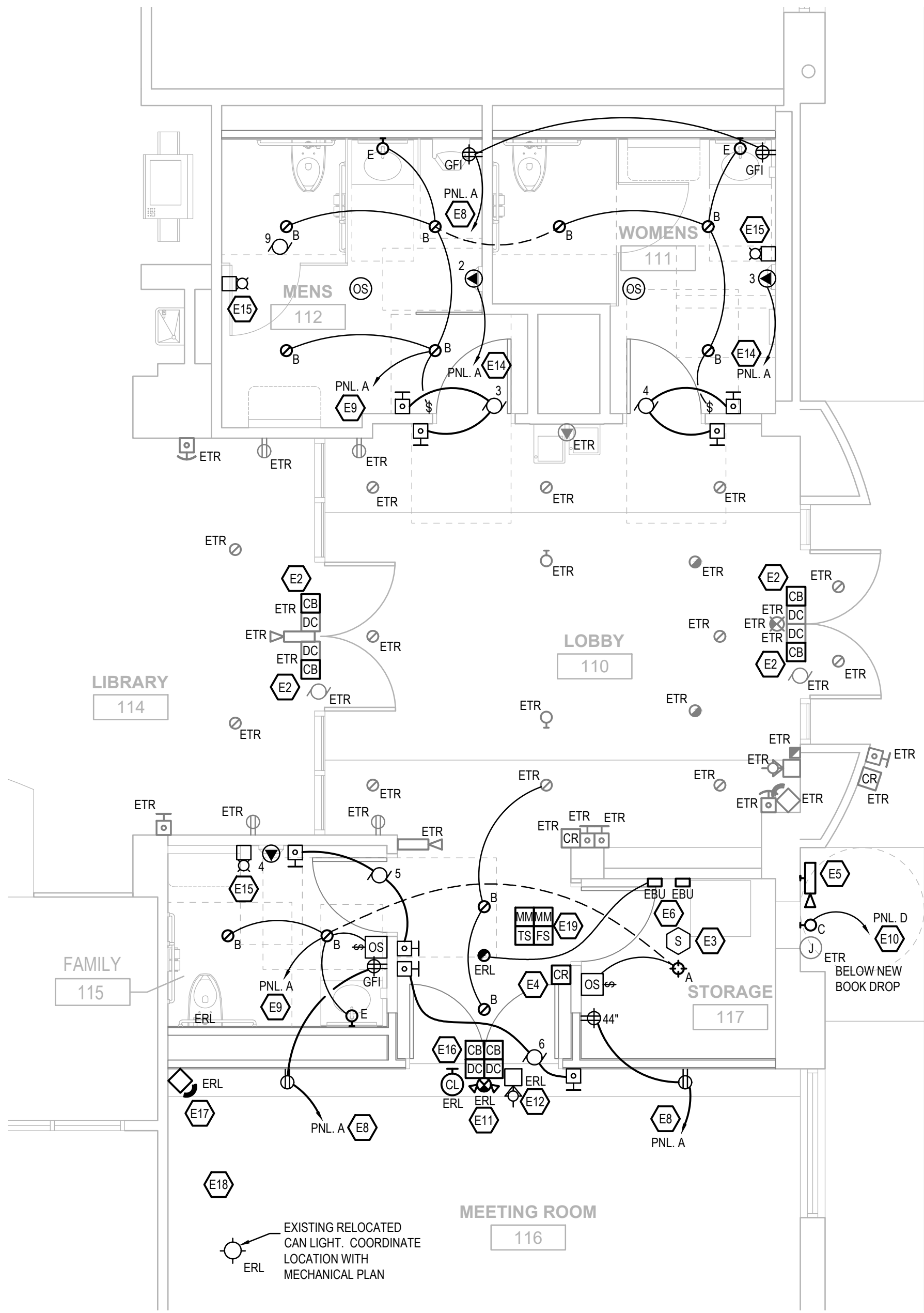
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3 CENTER STREET BRANCH - LEVEL 1 -
ELECTRICAL DEMOLITION FLOOR PLAN
SCALE: 1/4" = 1'-0"



2 CENTER STREET BRANCH - LEVEL 1 -
ELECTRICAL FLOOR PLAN
SCALE: 1/4" = 1'-0"

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KEY NOTES

E1	DISCONNECT AND REMOVE EXISTING MAG LOCK AND WIRING.
E2	PROVIDE NEW WIRING TO CONNECT ELECTRIFIED CRASH BAR/LOCK TO EXISTING SECURITY AND ACCESS CONTROL SYSTEM.
E3	PROVIDE SMOKE DETECTOR IN NEW BOOK DROP CLOSET. CONNECT TO EXISTING FIRE ALARM SYSTEM.
E4	PROVIDE NEW CARD READER (HID CLASS #120) FOR DOUBLE DOORS INTO COMMUNITY ROOM. CONNECT TO EXISTING SECURITY AND ACCESS CONTROL SYSTEM.
E5	PROVIDE NEW CAMERA (AXIS #P3267-VE) FOR BOOK DROP. CONNECT TO EXISTING SECURITY/CAMERA SURVEILLANCE SYSTEM.
E6	RECONNECT EXISTING EMERGENCY LIGHT CIRCUITS TO NEW EBUS.
E7	DISCONNECT AND REMOVE ALL EXISTING ELECTRICAL ITEMS IN THIS AREA. EXISTING BRANCH CIRCUITS TO REMAIN TO SERVE NEW WORK.
E8	RECONNECT TO EXISTING RECEPTACLE CIRCUIT SERVING THIS SPACE.
E9	RECONNECT TO EXISTING LIGHT CIRCUIT SERVING THIS SPACE.
E10	CONNECT TO EXISTING EXTERIOR LIGHT CIRCUIT.
E11	RECONNECT TO EXISTING EXIT LIGHT CIRCUIT.
E12	RECONNECT TO EXISTING FIRE ALARM NAC CIRCUIT.
E13	EXISTING PANEL "C" (WESTINGHOUSE PRL1 PANELBOARD). PROVIDE (3) NEW 20A/1P BREAKERS TO SERVE NEW CIRCUITS.
E14	RECONNECT TO EXISTING HAND DRYER CIRCUIT.
E15	PROVIDE NEW FIRE ALARM STROBE. CONNECT TO EXISTING FIRE ALARM SYSTEM.
E16	PROVIDE NEW DOOR SECURITY ALARM CONTACTS (HONEYWELL #7945). CONNECT TO EXISTING SECURITY SYSTEM.
E17	EXISTING MOTION SENSOR RELOCATED FROM DEMOLITION. RECONNECT TO EXISTING SECURITY SYSTEM.
E18	REMOVE AND REINSTALL COMMUNICATION CABLE TO ACCOMMODATE DUCTWORK EXTENSION IN THIS AREA.
E19	PROVIDE ADDRESSABLE MONITORING MODULES FOR SPRINKLER FLOW AND TAMPER SWITCHES. CONNECT TO EXISTING FIRE ALARM SYSTEM. COORDINATE QUANTITY OF SWITCHES WITH FIRE PROTECTION SYSTEM CONTRACTOR.



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MILWAUKEE PUBLIC LIBRARY:
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CENTER STREET BRANCH

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KEY PLAN

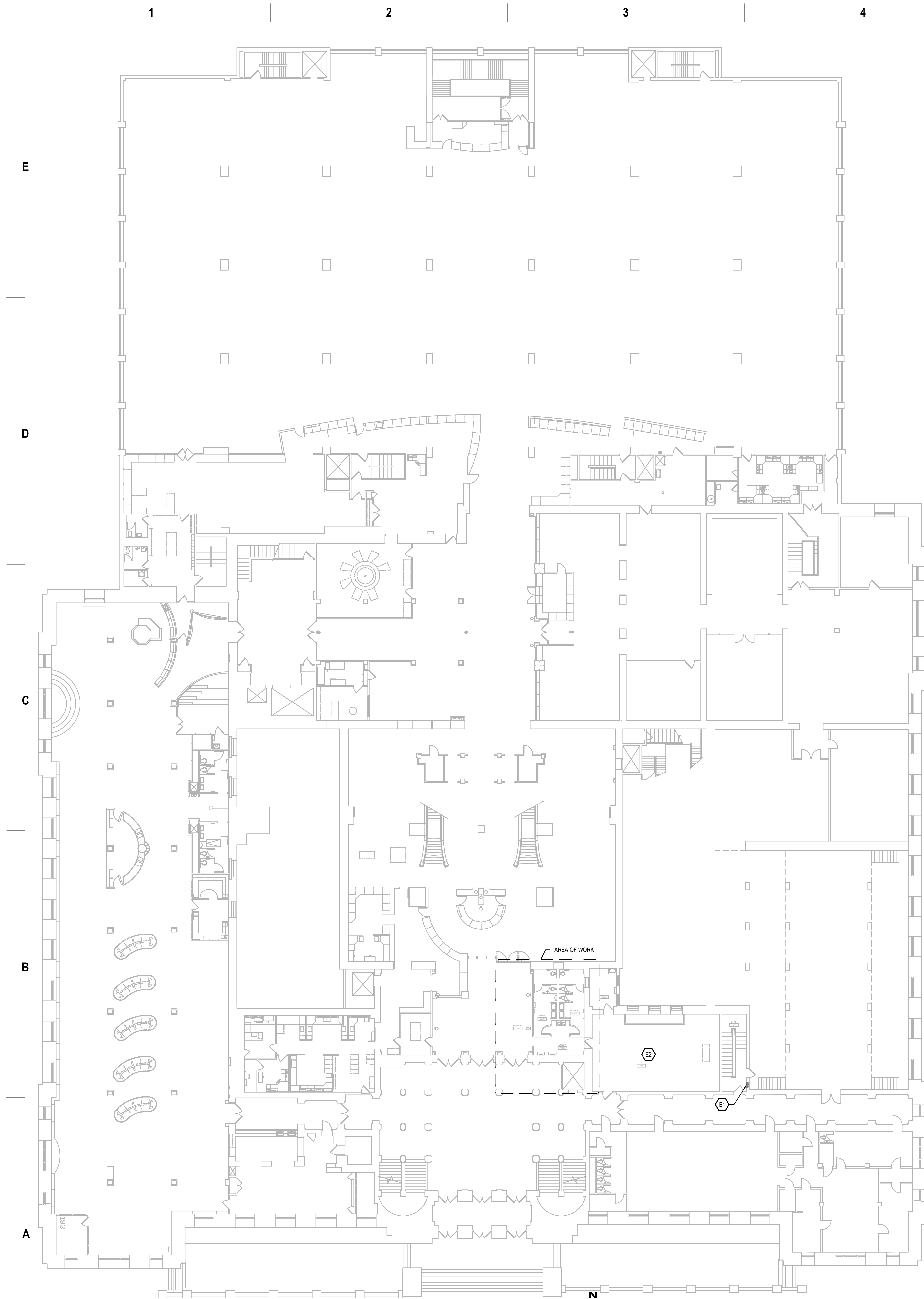
SHEET INFORMATION

PROJECT MANAGER	
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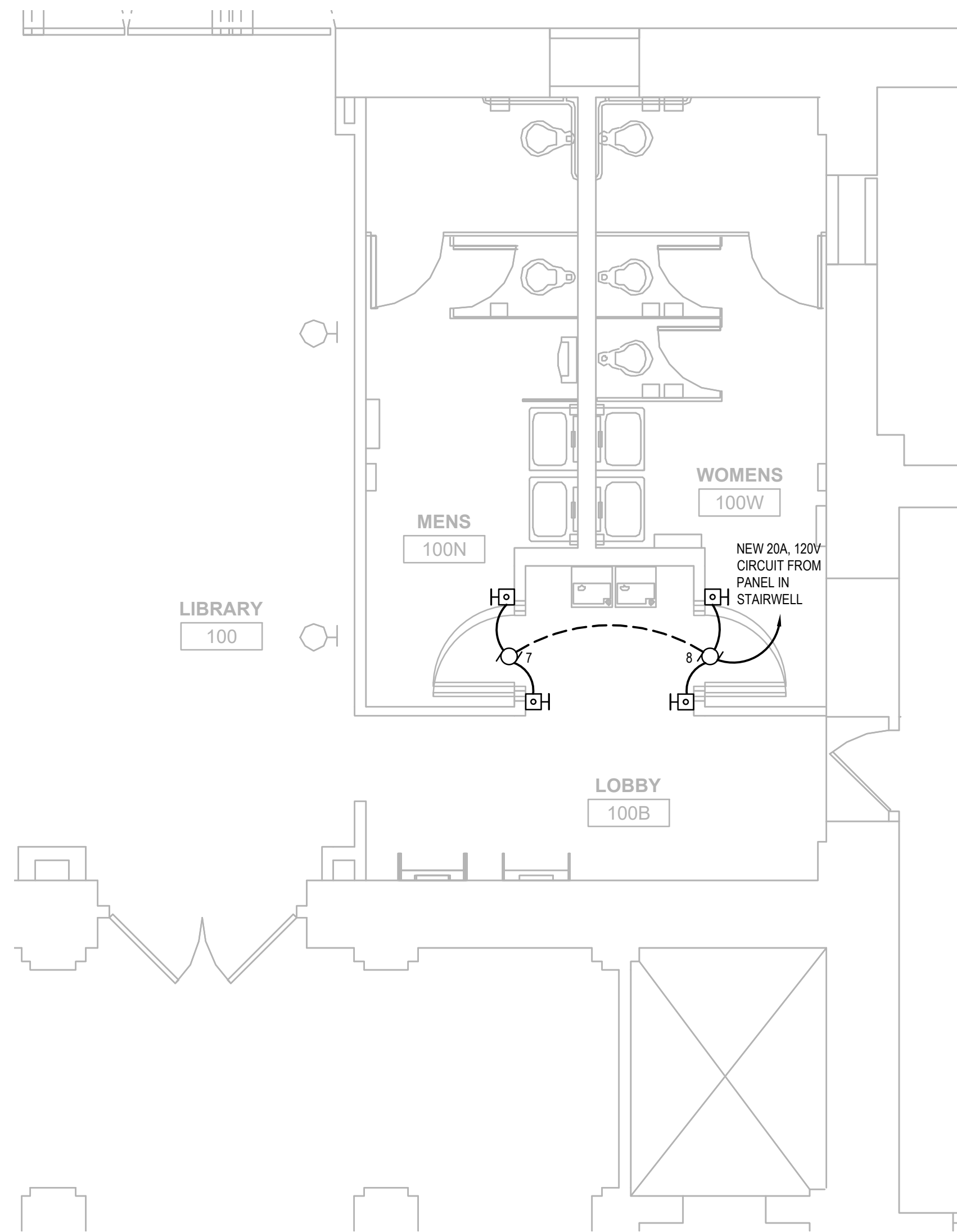
ELECTRICAL FLOOR
PLANS - CENTER
STREET BRANCH

E102





1 CENTRAL LIBRARY - OVERALL FLOOR PLAN
SCALE: 1/16" = 1'-0"



2 CENTRAL LIBRARY - LEVEL 1 - ELECTRICAL FLOOR PLAN
SCALE: 1/4" = 1'-0"

KEY NOTES	
E1	EXISTING SQUARE D LOAD CENTER LOCATED IN STAIRWELL. PROVIDE 20A, 1P BREAKER TO SERVE DOOR OPERATORS. ROUTE CONDUIT OUT OF TOP OF PANEL, UP TO CEILING AND ACROSS STAIRWELL INTO CEILING SPACE OF MEETING ROOM.
E2	ROUTE CONDUIT ABOVE CEILING OF MEETING ROOM, OVER TO LOBBY 100B, THEN DOWN TO DOOR OPERATORS.



PROJECT INFORMATION

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ATKINSON STREET BRANCH
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ELECTRICAL FLOOR PLANS - CENTRAL LIBRARY

E103



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LIGHTING FIXTURE SCHEDULE									
FIKT.	DESCRIPTION	LAMPING		VOLT	MANUFACTURER	CATALOG NUMBER	MOUNTING	SEE NOTE	
		TYPE	INPUT						
A	2 FT. SURFACE MOUNTED LED STRIP	2410 LUMENS, 4000K LED	20.1 VA	UNV.	METALUX	25NLED-LDS-23SL-LW-UNV-L&M-CD1	SYRFACE MOUNTED ON CEILING		
B	4" DIA. RECESSED LED DOWNLIGHT	1000 LUMENS, 4000K LED	12 VA	UNV.	FOCAL POINT	FLC4D-R0-1000L-120LD1-T-LC4-RD-1000L-4K-ON-CD-WP	RECESSED		
C	EXTERIOR WALL BRACKET	1216 LUMENS, 4000K LED	17 VA	UNV.	BEGA	24 502-K4-BRZ	WALL MOUNTED - 10'-0" ABOVE GRADE		
D	EXTERIOR CANOPY MOUNT	1674 LUMENS, 4000K LED	20 VA	UNV.	BEGA	66 159-K4-BRZ	SURFACE MOUNTED ON SOFFIT		
E	24" LED VANITY	1510 LUMENS, 3500K LED	20.5 VA	UNV.	WAC LIGHTING	WS-77624-35-AL	SURFACE WALL, HORIZONTAL, 6" ABOVE MIRROR		
EBU	EMERGENCY BATTERY UNIT (W/O HEADS)	-	20 VA	120 V.	DUAL LITE	AS80-12V-1-0	WALL MOUNTED - 84" A.F.F.	1	
REMARKS:									
A. CONTRACTOR SHALL CONFIRM CEILING TYPE REQUIREMENTS PRIOR TO THE RELEASE OF THE ORDER.									
B. CATALOG NUMBERS ARE TO PROVIDE GUIDANCE ONLY AND MAY NOT BE COMPLETE.									
C. FIXTURES SPECIFIED TO MEET DESIGN INTENT. EQUALS MAY BE SUBSTITUTED SUBJECT TO DESIGN TEAM'S APPROVAL.									
D. PROVIDE ALL PARTS AND PIECES NECESSARY FOR A COMPLETE AND FUNCTIONAL INSTALLATION.									
E. ARCHITECT/GENERAL CONTRACTOR TO DETERMINE ALL FINISHES.									
NOTES:									
1. COORDINATE VOLTAGE OUTPUT OF EBU WITH EXISTING RECESSED EMERGENCY LIGHT FIXTURES									

SPECIAL PURPOSE OUTLET SCHEDULE												
MARK	TO FEED	LOCATION	KW	FLA	VOLT	PH	FEED FROM		BREAKER		SEE NOTE	
							PANEL	CKT	SIZE	POLE		
1	ELECTRIC CEILING HEATER ECH-	ATKINSON ST. - BOOK DROP CLOSET	2	12.5	120	1	MPD	22	20	1		
2	HAND DRYER	CENTER ST. - MEN'S 112	1.725	15	120	1	A	EXIST	20	1	1	
3	HAND DRYER	CENTER ST. - WOMEN'S 111	1.725	15	120	1	A	EXIST	20	1	1	
4	HAND DRYER	CENTER ST. - FAMILY 115	1.725	15	120	1	C	2	20	1		
NOTES:												
1. RECONNECT TO EXISTING CIRCUIT												

MOTOR WIRING SCHEDULE												
NO.	DRIVING	LOC.	HP	FLA	VOLT	PH.	FEED FROM		BREAKER		SEE NOTE	
							PANEL	CIRCUIT	SIZE	POLE		
1	AUTO DOOR OPERATOR	ATKINSON ST. - MEN'S ROOM			120	1	MDP	20	20	1		
2	AUTO DOOR OPERATOR	ATKINSON ST. - WOMEN'S ROOM			120	1	MDP	20	-	-		
3	AUTO DOOR OPERATOR	CENTER ST. - MEN'S 112			120	1	C	1	20	1		
4	AUTO DOOR OPERATOR	CENTER ST. - WOMEN'S 111			120	1	C	1	-	-		
5	AUTO DOOR OPERATOR	CENTER ST. - FAMILY 115			120	1	C	3	20	1		
6	AUTO DOOR OPERATOR	CENTER ST. - COMMUNITY RM.			120	1	C	3	-	-		
7	AUTO DOOR OPERATOR	CENTER ST. - MEN'S 100N			120	1	EXIST	40	20	1		
8	AUTO DOOR OPERATOR	CENTER ST. - WOMEN'S 100W			120	1	EXIST	40	-	-		
9	EXHAUST FAN EF-1	CENTER ST. - MEN'S 112	1/5		120	1	A	EXIST	20	1	1	
NOTES:												
1. RECONNECT TO EXISTING CIRCUIT												




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PROJECT INFORMATION

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KEY PLAN

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ELECTRICAL SCHEDULES

E104