

CODE ANALYSIS

BALTIMORE COUNTY PUBLIC LIBRARIES - WHITE MARSH BRANCH

PROJECT ADDRESS:
8133 SANDPIPER CIRCLE
BALTIMORE, MD 21236

APPLICABLE CODES:
2015 INTERNATIONAL EXISTING BUILDING CODE
2015 INTERNATIONAL BUILDING CODE
2015 INTERNATIONAL MECHANICAL CODE
2015 NATIONAL STANDARD PLUMBING CODE
2014 NATIONAL ELECTRIC CODE
2015 INTERNATIONAL ENERGY CODE
MARYLAND ACCESSIBILITY CODE (COMAR 05.02.02) & ADA 2010
2010 ADAAG
2018 NATIONAL FIRE PROTECTION ASSOCIATION (NFPA 101)
2018 EDITION NFPA 1

PROJECT DESCRIPTION

THE ENCLOSED DRAWINGS ARE FOR RENOVATIONS TO THE MEETING ROOM AND ADJOINING STORAGE ROOMS, RESTROOMS, JANITOR CLOSET, AND LOBBY OF THE EXISTING BALTIMORE COUNTY PUBLIC LIBRARY WHITE MARSH BRANCH. RENOVATIONS TO THE MEETING ROOM ARE COSMETIC IN NATURE AND INCLUDE THE REPLACEMENT OF THE EXISTING FLOOR FINISH, CEILING FINISH, AND LIGHTING. THE EXISTING STORAGE ROOMS, RESTROOMS, AND ADJACENT HALLWAY WILL BE DEMOLISHED AND RECONFIGURED TO INCREASE THE STORAGE CAPACITY FOR THE MEETING ROOM, AND PROVIDE UPDATED LAYOUTS FOR THE RESTROOMS TO BETTER SERVE THE LIBRARY CLIENTELE. THE LOBBY AND NEW CORRIDOR AREA IMMEDIATELY ADJACENT TO THE NEW RESTROOMS SHALL RECEIVE NEW FLOOR FINISHES, CEILING FINISH, AND LIGHTING. THE PROPOSED RENOVATIONS DO NOT INVOLVE CHANGES TO EXISTING USE AND OCCUPANCY, STRUCTURAL WORK, EXTERIOR MODIFICATIONS, OR CHANGES IN OCCUPANT LOAD.

IEBC 2015

CLASSIFICATION OF WORK - CHAPTER 5
- ALTERATION LEVEL 2, TO COMPLY WITH CHAPTERS 7 & 8

COMPLIANCE METHOD TO BE THE WORK COMPLIANCE METHOD - CHAPTERS 3 & 5
- WORK AREA = 2,174 SF, WHICH IS LESS THAN 50% OF THE BUILDING AREA (APPROXIMATELY 12,833 SF)

CHAPTER 7

MATERIALS AND METHODS - (702.6)
- ALL NEW WORK SHALL COMPLY WITH MATERIALS AND METHODS REQUIREMENTS OF IBC, IECC, IMC, AND IPC

FIRE PROTECTION (703.1)

- ALTERATIONS SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF FIRE PROTECTION PROVIDED, SEE (804.2.2)

MEANS OF EGRESS (704.1)

- ALTERATIONS SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF PROTECTION PROVIDED FOR THE MEANS OF EGRESS

CHAPTER 8: ALTERATIONS LEVEL 2

COMPLIANCE (801.3)
- ALL NEW CONSTRUCTION ELEMENTS, COMPONENTS, SYSTEMS AND SPACES SHALL COMPLY WITH THE REQUIREMENTS OF THE IBC

FIRE PROTECTION (804.2.2)

- AS THE WORK AREA DOES NOT EXCEED 50% OF THE FLOOR AREA, A NEW SPRINKLER SYSTEM IS NOT REQUIRED

MEANS OF EGRESS (805.2) - EXCEPTION 2

- MEANS OF EGRESS CONFORMING TO THE REQUIREMENTS OF THE BUILDING CODE UNDER WHICH THE BUILDING WAS CONSTRUCTED SHALL BE CONSIDERED COMPLIANT MEANS OF EGRESS IF, IN THE OPINION OF THE CODE OFFICIAL, THEY DO NOT CONSTITUTE A DISTINCT HAZARD TO LIFE.
- THE EXISTING EGRESS SYSTEM SERVING THE EXISTING LIBRARY IS TO REMAIN; THERE IS NO CHANGE IN OCCUPANCY CLASSIFICATION OR OCCUPANT LOAD, NOR IS THERE ANY NEW CONSTRUCTION OBSTRUCTING THE EXISTING EXITS WHILE THE BUILDING IS OCCUPIED.

MINIMUM NUMBER OF PLUMBING FIXTURES (810.1)

- NOT APPLICABLE DUE TO NO CHANGE IN THE OCCUPANT LOAD

IBC 2015

USE AND OCCUPANCY CLASSIFICATION - CHAPTER 3

- A-3: LIBRARY
- THE EXISTING LIBRARY (A-3) IS TO REMAIN

GENERAL BUILDING HEIGHT AND AREA - CHAPTER 5

- NO CHANGES ARE PROPOSED

CONSTRUCTION TYPE - CHAPTER 6

- THE EXISTING CONSTRUCTION TYPE IS TYPE III B, UNSPRINKLERED

OCCUPANT LOAD FACTORS (1004.1.2)

- THE EXISTING OCCUPANCY IS TO REMAIN

NUMBER OF EXITS (1006.2.1)

- THE EXISTING EXITS ARE TO REMAIN

NFPA 101

CLASSIFICATION OF OCCUPANCY (6.1.2)

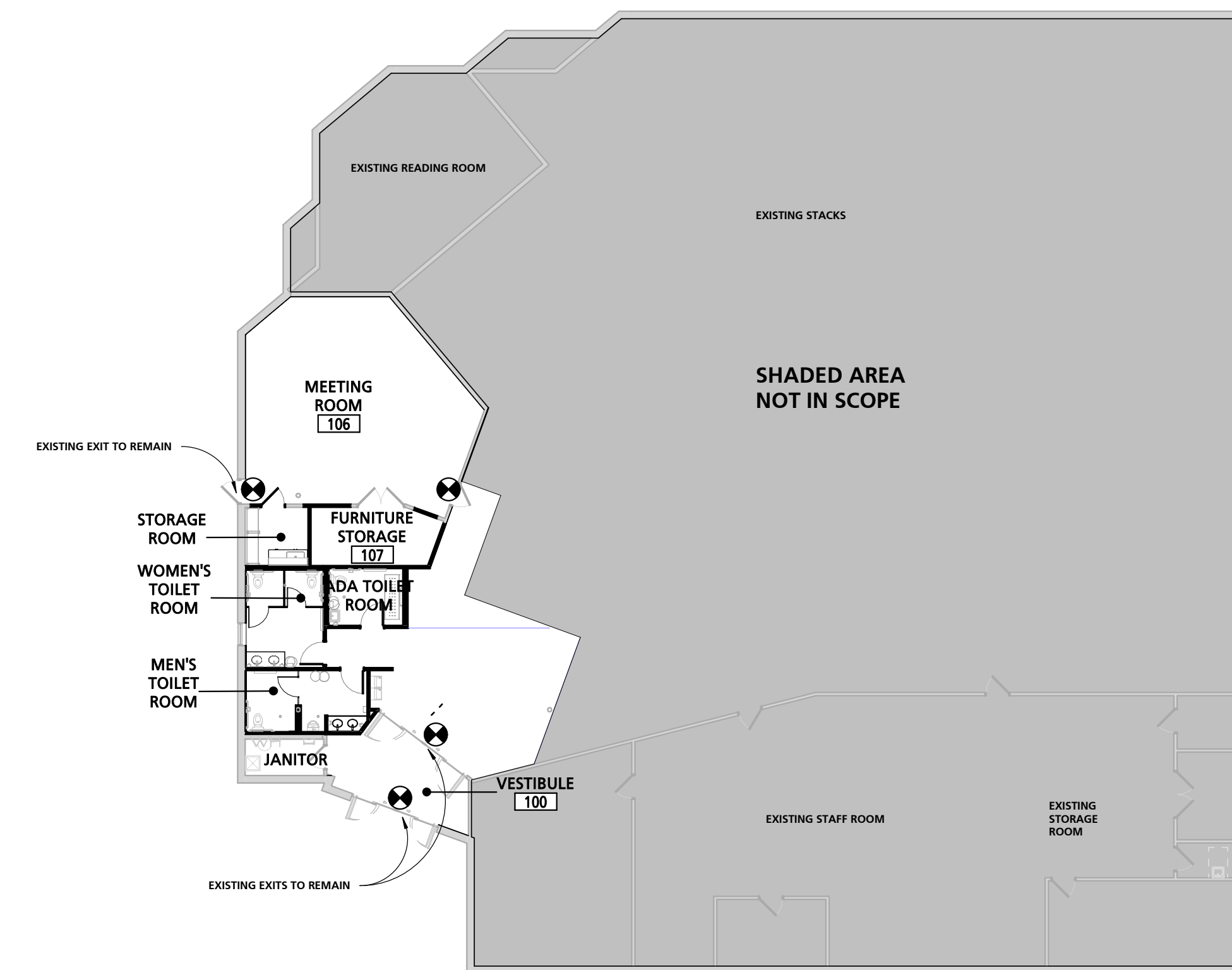
- EXISTING OCCUPANCY TO REMAIN: ASSEMBLY OCCUPANCY

CLASSIFICATION OF HAZARD (6.2)

- LOW HAZARD

LEGEND - CODE PLAN LEGEND
NOT TO SCALE

	ILLUMINATED "EXIT" SIGN
	ILLUMINATED "EXIT" SIGN W/ DIRECTION INDICATOR
	RATED WALL TAG
	RECESSED FIRE EXTINGUISHER & CABINET
	1 HOUR RATED PARTITION
	2 HOUR RATED PARTITION
	TRAVEL DISTANCE
	SEPARATION DISTANCE



1 CODE PLAN
1/16" = 1'-0"

SEAL	PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHIT	DRAWING SCALE	APPROVED BY: _____ DIRECTOR
	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. _____ EXPIRATION DATE: _____	BID/PERMIT SET		08.15.24	-	-	-	PLAN SCALE: As indicated PROFILE SCALE: _____	
ARCHITECT: DAVID WOODWARD, AIA PRINCIPAL ARCHITECT MANSON WOODWARD STUDIO 10055-D PHILLIPS FIELDS ROAD WHITE MARSH, MARYLAND 21154 (P) 410-588-1400	DGN BY: _____	BUREAU OF ENGINEERING AND CONSTRUCTION	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	PROPERTY MANAGEMENT
	DWN BY: _____	REVIEWED BY: _____							APPROVED BY: _____ CHIEF
DATE: 03-15-2024	CHRD BY: _____	DATE REVIEWED: _____							DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE, PROPERTY MANAGEMENT
BCPL White Marsh
CODE ANALYSIS, PLAN, & DIAGRAM
BID/PERMIT SET
8133 SANDPIPER CIRCLE
BALTIMORE, MD 21236
ELECTION DIST. NO.:

SHEET DESIGNATION	CONTRACT NUMBER
G001	24066 PO0
JOB ORDER NUMBER	
10611599	
SHEET 2 OF 29	
DRAWING NUMBER	
2024-0327	
FILE NO.: 10611599	

DWG. FILENAME: 10011599



(a) Front Approaches - Swinging Doors

NOTE: x = 12" IF DOOR HAS BOTH A CLOSER AND LATCH.



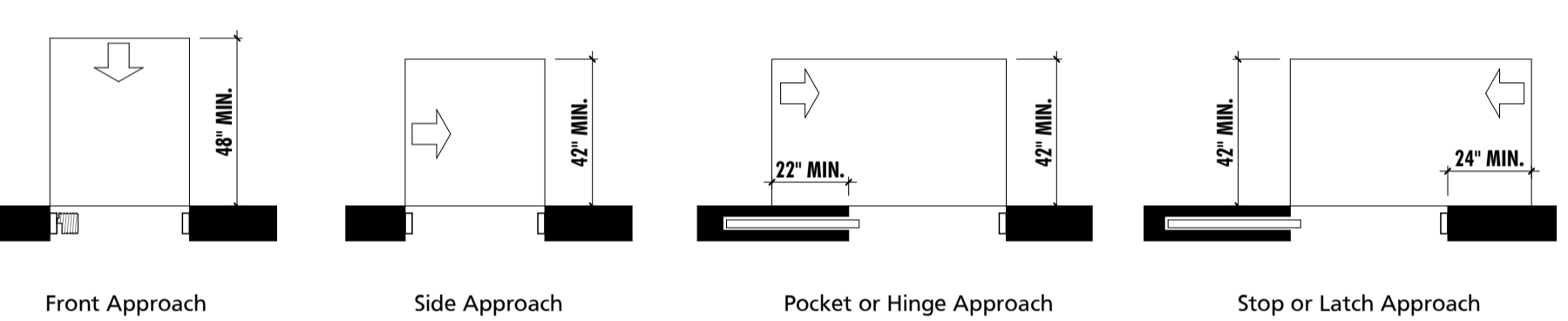
(b) Hinge Side Approaches - Swinging Doors

NOTE: y = 48" MINIMUM IF DOOR HAS BOTH A CLOSER AND LATCH.

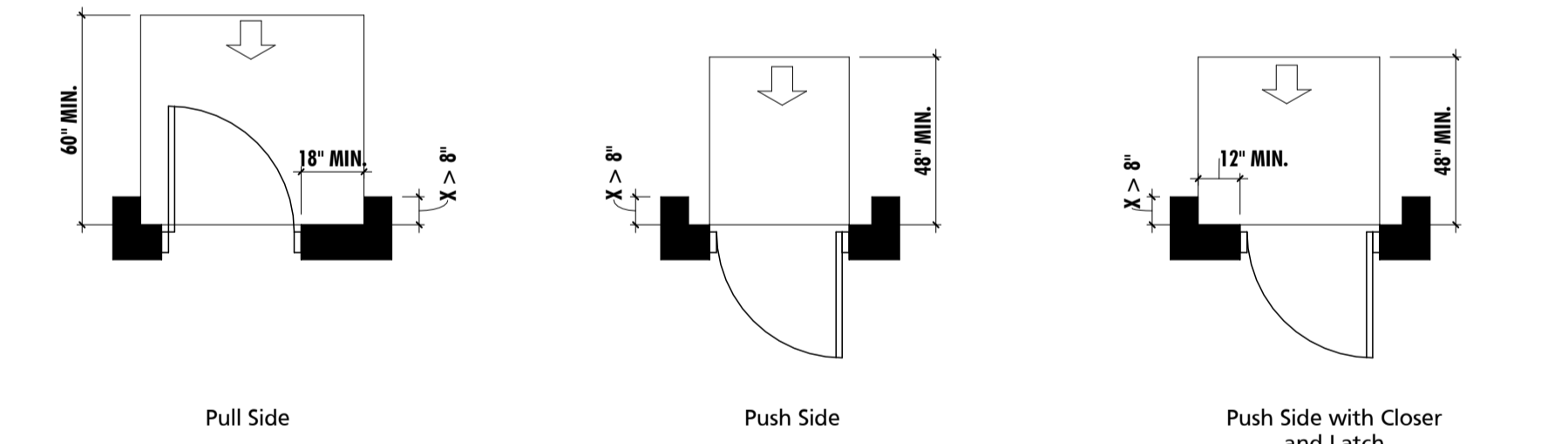


(c) Latch Side Approaches - Swinging Doors

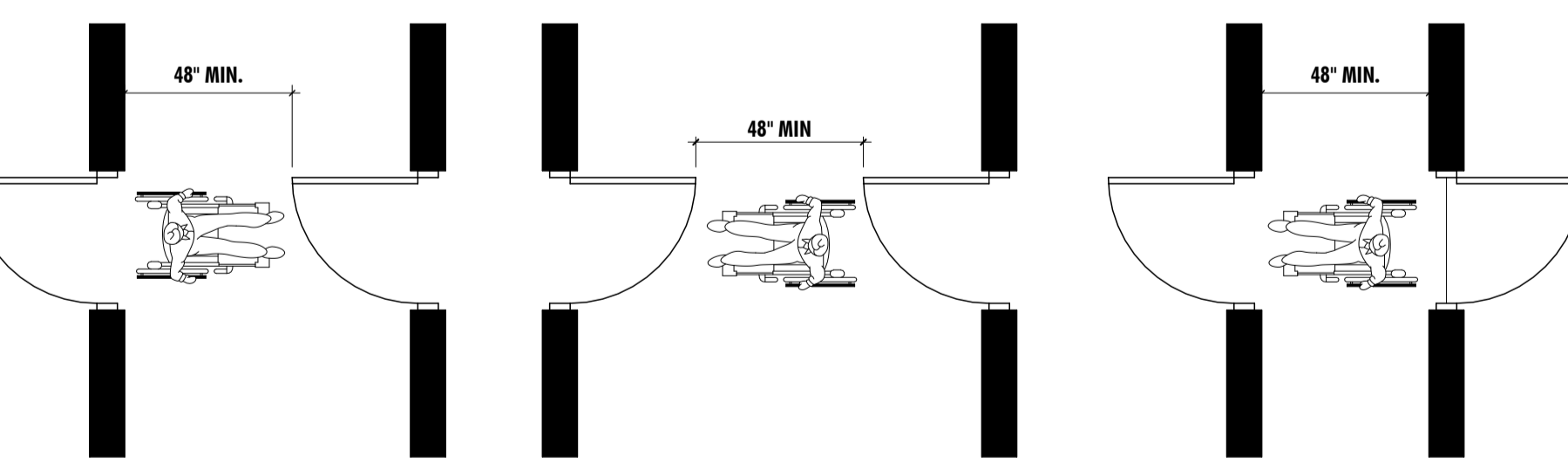
NOTE: y = 48" MINIMUM IF DOOR HAS CLOSER.



(d) Doorways without Doors

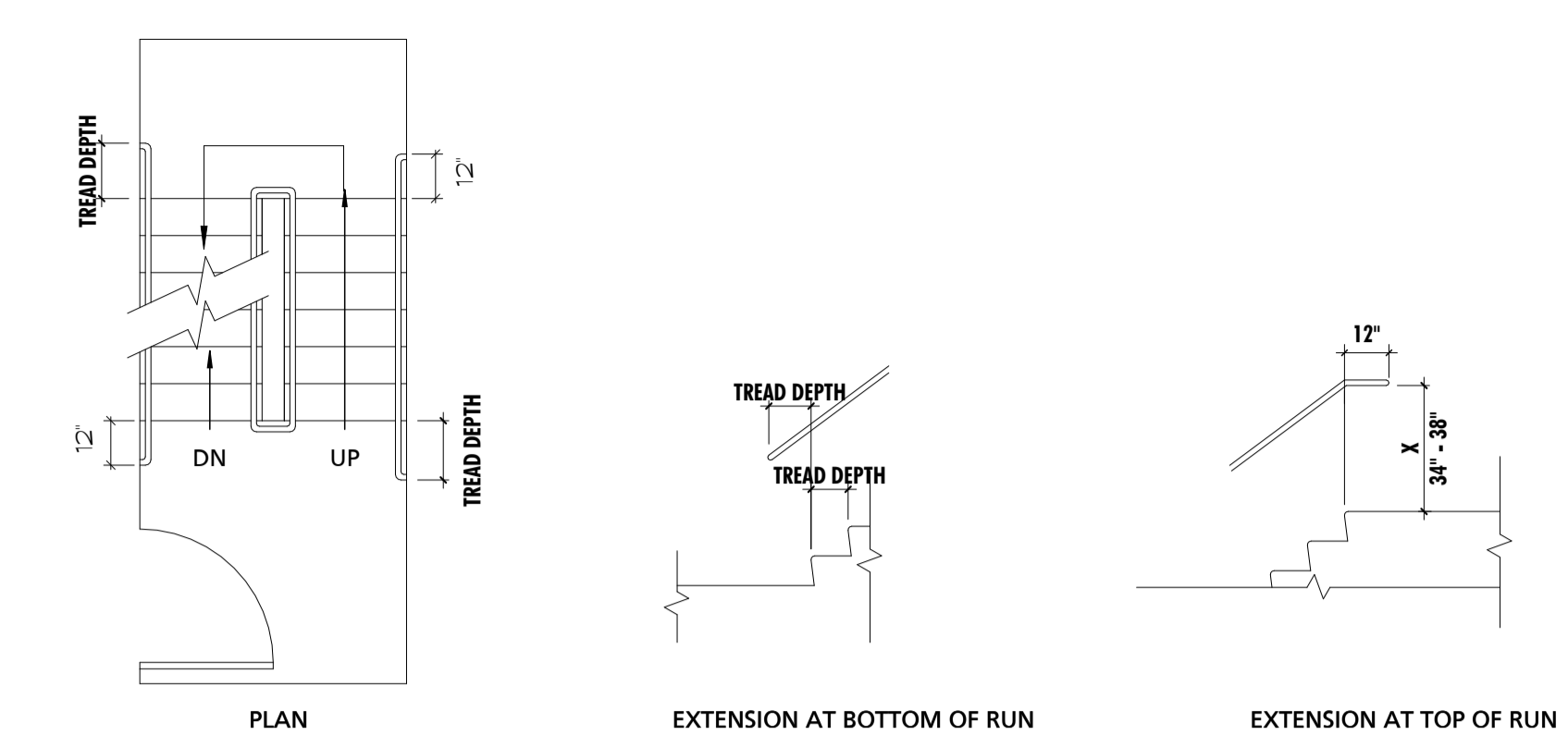


(e) Recessed Doors and Gates

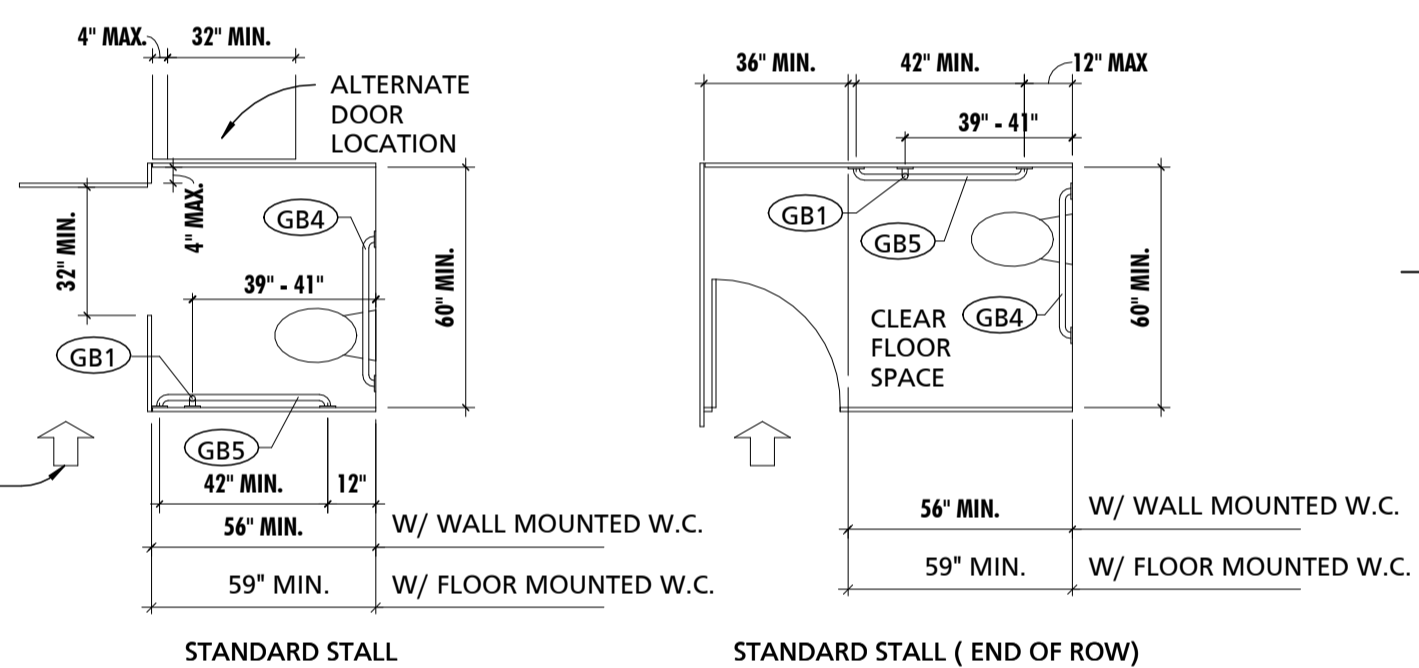


Two Hinged Doors in Series

DOOR CLEARANCES (TYPICAL)
NOT TO SCALE

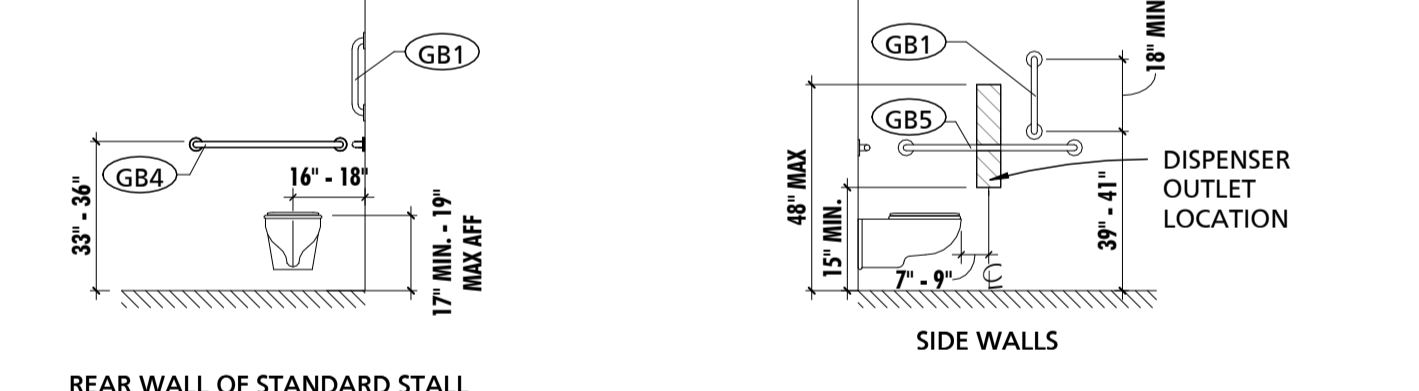


STAIR & RAMP CLEARANCES (TYPICAL)
NOT TO SCALE



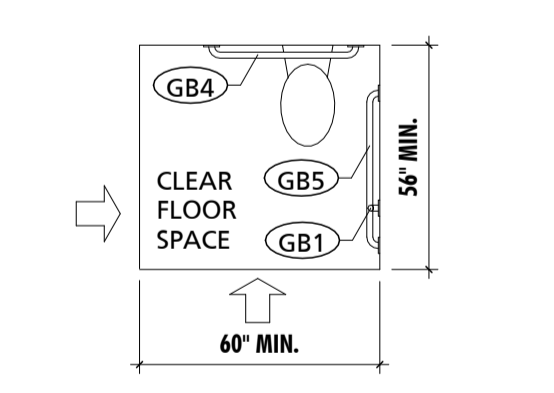
STANDARD STALL

STANDARD STALL (END OF ROW)

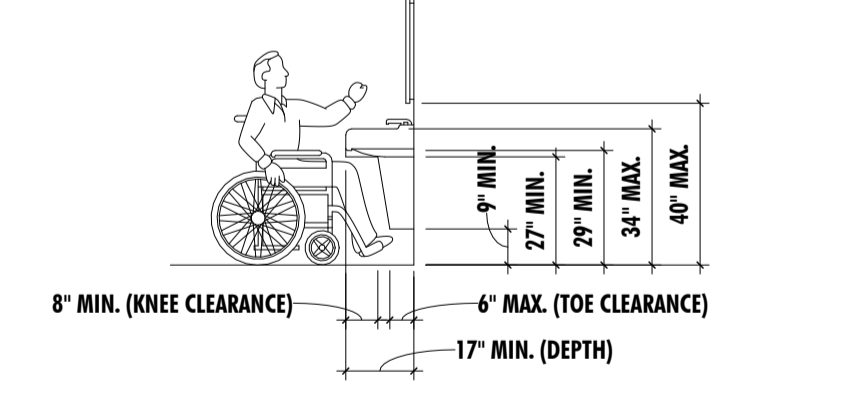


REAR WALL OF STANDARD STALL

SIDE WALLS

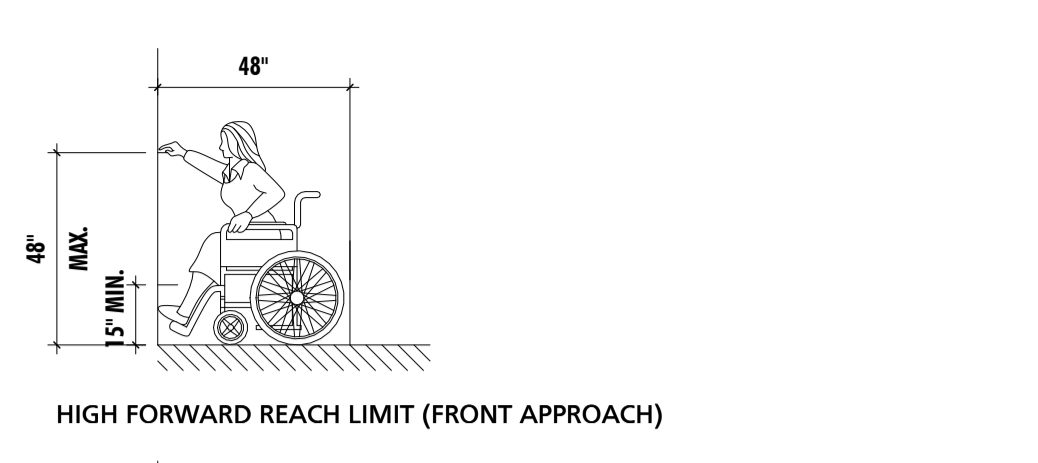


CLEAR FLOOR SPACE AT LAVATORIES

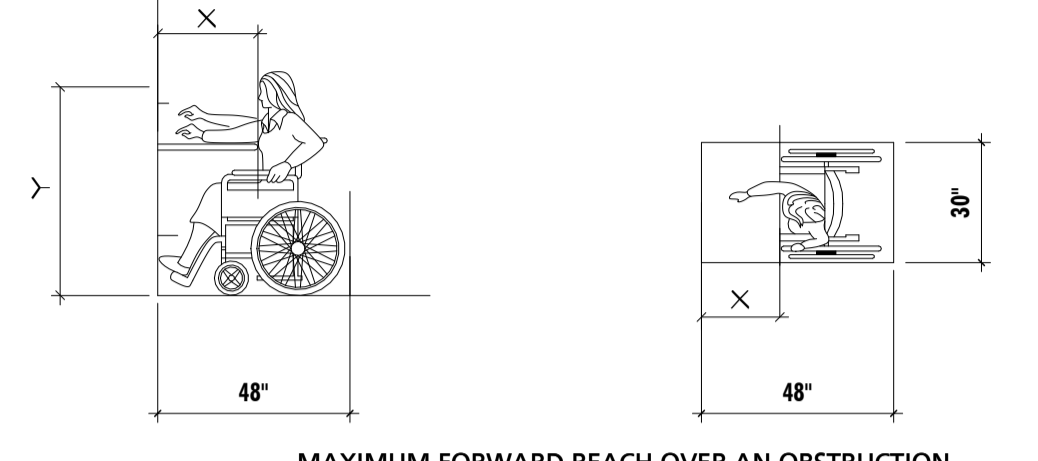


LAVATORY CLEARANCES

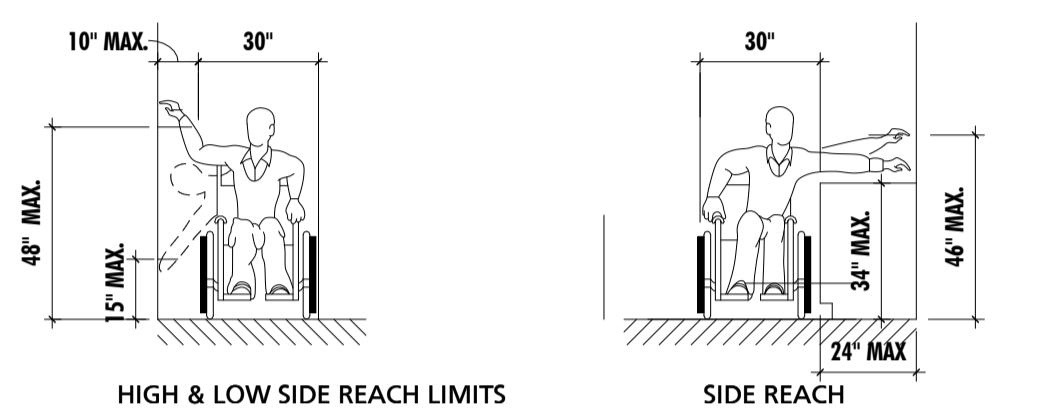
TOILET ROOM CLEARANCES (TYPICAL)
NOT TO SCALE



HIGH FORWARD REACH LIMIT (FRONT APPROACH)

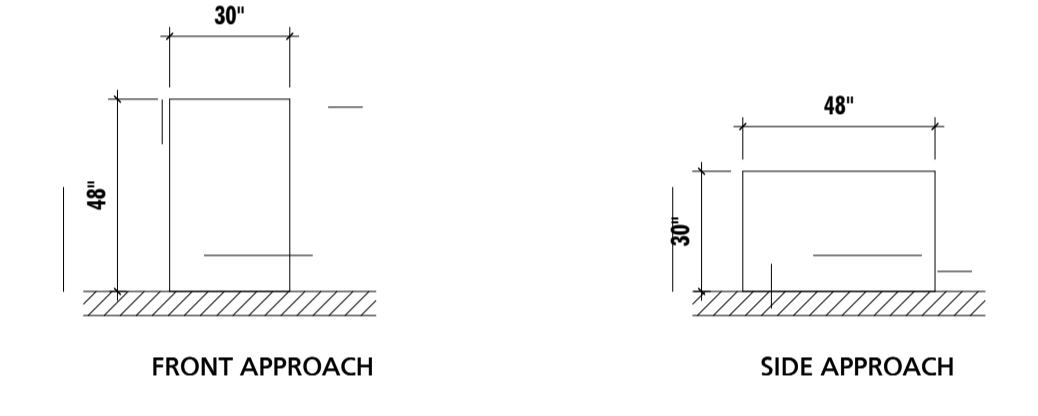


MAXIMUM FORWARD REACH OVER AN OBSTRUCTION
NOTE: WHEN X IS >20 INCHES MAX, Y SHALL BE 48 INCHES MAX
WHEN X IS 20-25 INCHES MAX, Y SHALL BE 44 INCHES MAX



HIGH & LOW SIDE REACH LIMITS

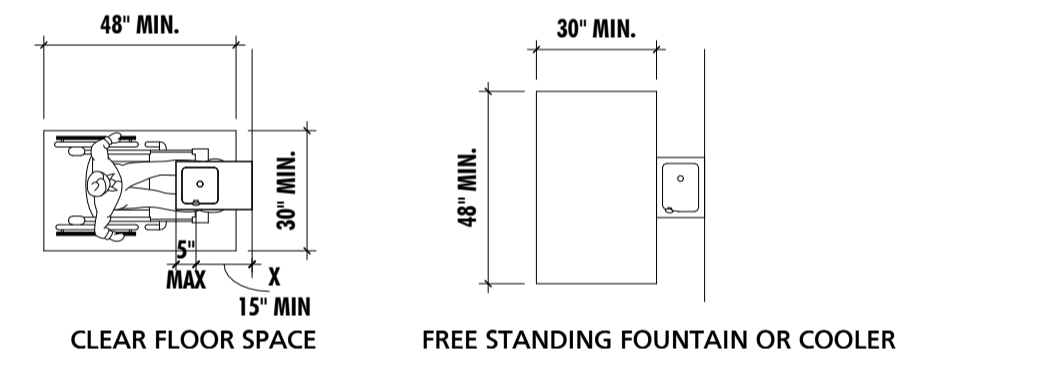
SIDE REACH



FRONT APPROACH

SIDE APPROACH

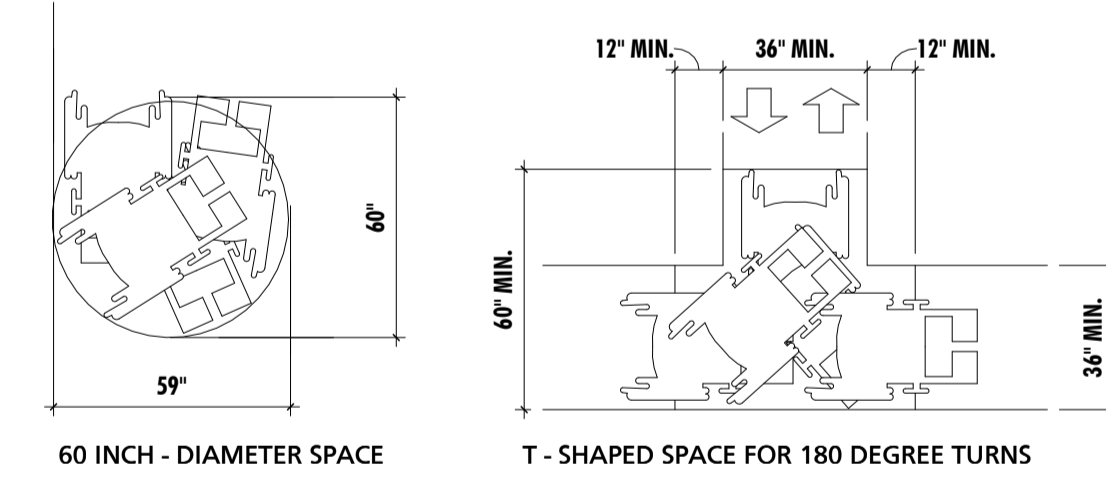
REACH RANGES & APPROACHES (TYPICAL)
NOT TO SCALE



CLEAR FLOOR SPACE

FREE STANDING FOUNTAIN OR COOLER

DRINKING FOUNTAINS (TYPICAL)
NOT TO SCALE

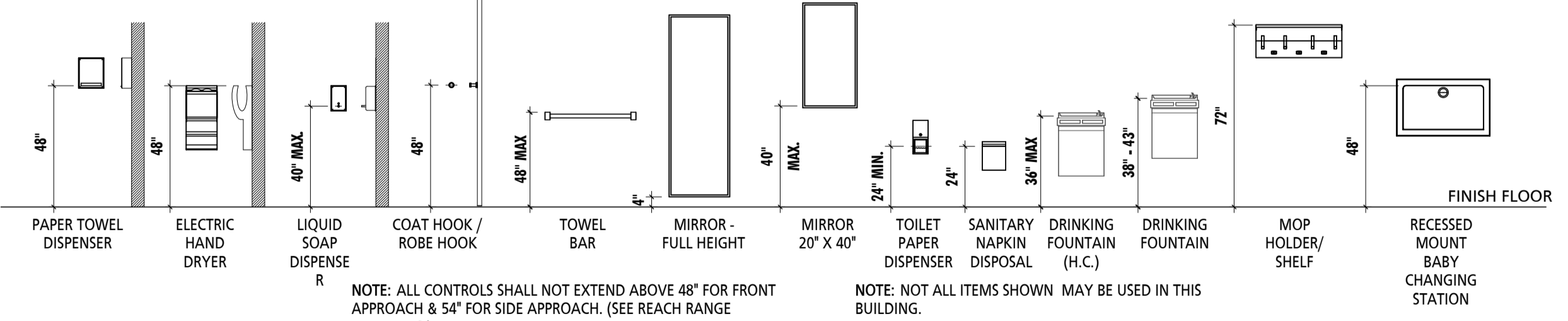


60 INCH - DIAMETER SPACE

T - SHAPED SPACE FOR 180 DEGREE TURNS

ALLOWABLE PROTRUSIONS INTO WHEELCHAIR SPACE

FLOOR CLEARANCES (TYPICAL)
NOT TO SCALE



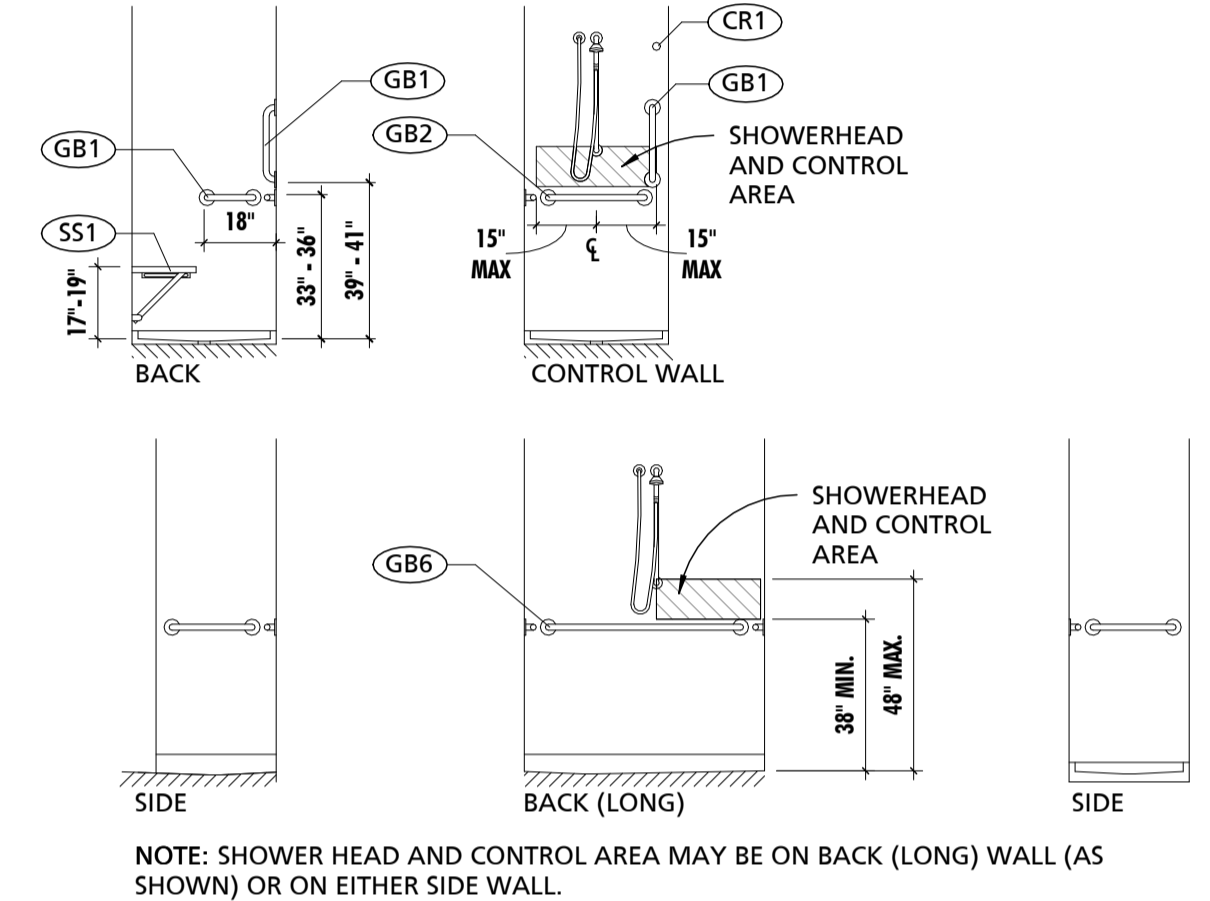
NOTE: ALL CONTROLS SHALL NOT EXTEND ABOVE 48" FOR FRONT APPROACH & 54" FOR SIDE APPROACH. (SEE REACH RANGE DIAGRAMS.)

NOTE: NOT ALL ITEMS SHOWN MAY BE USED IN THIS BUILDING.

TYPICAL ACCESSIBLE MOUNTING HEIGHTS
NOT TO SCALE

TAG	FIXTURE/ACCESSORY
GB1	GRAB BAR - 18"
GB2	GRAB BAR - 24"
GB3	GRAB BAR - 30"
GB4	GRAB BAR - 36"
GB5	GRAB BAR - 42"
GB6	GRAB BAR - 48"
CR1	SHOWER CURTAIN ROD
SS1	FOLDING SHOWER SEAT

SHOWERS (TYPICAL)
NOT TO SCALE



NOTE: SHOWER HEAD AND CONTROL AREA MAY BE ON BACK (LONG) WALL (AS SHOWN) OR ON EITHER SIDE WALL.

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								PROFILE SCALE: -				
	ARCHITECT: DAVID WOODWARD AIA PRINCIPAL ARCHITECT	BUREAU OF ENGINEERING AND CONSTRUCTION				HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	PROPERTY MANAGEMENT
	DGN BY: _____	REVIEWED BY: _____										CHIEF
	DWN BY: _____	DATE REVIEWED: _____										
	CHD BY: _____											

SUBDIVISION:

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE, PROPERTY MANAGEMENT
BCPL White Marsh
TYPICAL ACCESSIBILITY GUIDELINES
BID/PERMIT SET
8133 SANDPIPER CIRCLE
BALTIMORE, MD 21236

ELECTION DIST. NO.:

SHEET DESIGNATION	CONTRACT NUMBER
GO02	24066 PO0
	JOB ORDER NUMBER
	10611599
	SHEET 3 OF 29
	DRAWING NUMBER
	2024-0328
	FILE NO.: 10611599



DWG. ELEXASME 10611599



1 FIRST FLOOR DEMOLITION PLAN
1/4" = 1'-0"

GENERAL DEMOLITION NOTES

- 1 ALL BIDDERS SHALL MAKE THEMSELVES FAMILIAR WITH THE EXISTING PROJECT CONDITIONS PRIOR TO SUBMITTING A BID. THIS IS INCLUSIVE OF CONDITIONS ABOVE ACCESSIBLE CEILING TO DETERMINE WORKING CONDITIONS.
- 2 PRIOR TO THE PERFORMANCE OF ANY DEMOLITION WORK THE CONTRACTOR SHALL MAKE THEMSELVES FAMILIAR WITH THE EXISTING CONDITIONS OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGNING, PROVIDING, INSTALLING, AND MAINTAINING ALL TEMPORARY SUPPORT AND BRACING REQUIRED TO COMPLETE THE WORK.
- 3 THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS, DIMENSIONS, CONSTRUCTION ASSEMBLIES AND THE LIKE PRIOR TO FABRICATING, INSTALLING, OR PURCHASING ANY NEW WORK. DETAILS INDICATING EXISTING MATERIALS OR CONDITIONS MAY BE SHOWN WITHIN THE DOCUMENTS BUT ARE NOT INTENDED TO FULLY DEFINE EXISTING CONDITIONS.
- 4 DEMOLITION WORK MAY BE INDICATED THROUGHOUT THE CONTRACT DOCUMENTS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL DOCUMENTS FOR ADDITIONAL DEMOLITION WORK.
- 5 IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN SAFE WORKING CONDITIONS THROUGHOUT THE CONSTRUCTION SITE. THE CONTRACTOR SHALL PROVIDE TEMPORARY BARRIERS AS REQUIRED TO PROTECT PERSONS AND PROPERTY AND OTHERWISE MAINTAIN SAFE WORKING CONDITIONS.
- 6 THE CONTRACTOR SHALL MAINTAIN A CLEAR, CLEAN, USEABLE CONSTRUCTION SITE THROUGH DAILY CLEANUP OF WORK AREAS.
- 7 THE OWNER SHALL BE MAINTAINING OCCUPANCY OF THE SITE AND PORTIONS OF THE BUILDING DURING THE CONSTRUCTION PROCESS. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER AND THE OWNER'S PERSONNEL THROUGHOUT THE CONSTRUCTION TO MINIMIZE, TO THE GREATEST EXTENT POSSIBLE, ANY DISRUPTIONS IN THE OWNER'S WORKING PROCEDURES. THE PHASING OF THE PROJECT SHALL BE DETERMINED BY THE CONTRACTOR AND SHALL NOT BE REASON FOR ADDITIONAL FEES. ADDITIONALLY, THE CONTRACTOR SHALL COORDINATE WITH THE OWNER A MINIMUM OF 72 HOURS PRIOR TO ANY DISRUPTION OF SERVICES/UTILITIES REQUIRED TO COMPLETE THE WORK.
- 8 THE CONTRACTOR SHALL PROVIDE TEMPORARY DUST AND DEBRIS BARRIERS BETWEEN AREAS TO REMAIN IN OPERATION AND WORK AREAS. BARRIERS SHALL BE PROVIDED AT, BUT NOT LIMITED TO HVAC SUPPLY AND RETURN OPENINGS, TRANSFER VENTS, EXHAUST VENTS, AND OTHER SUCH OPENINGS. BARRIERS SHALL BE A MINIMUM OF 10 MIL PLASTIC SHEETING SECURED AND SEALED TO EXISTING CONSTRUCTION AND/OR TEMPORARY FRAMING. PLASTIC SHEETING SHALL BE OVERLAPPED A MINIMUM OF 12" AND TAPED BOTH SIDES.
- 9 THE CONTRACTOR SHALL PROVIDE PROTECTION FROM THE WEATHER FOR PORTIONS OF EXISTING CONSTRUCTION THAT ARE TO REMAIN OCCUPIED OR USEABLE BY THE OWNER OR TO AREAS THAT CONTAIN ITEMS TO REMAIN THAT WILL BE DAMAGED BY WEATHER.
- 10 ALL ITEMS INDICATED TO BE REMOVED AND/OR DEMOLISHED SHALL REMAIN THE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL REVIEW WITH THE OWNER IF ANY ITEMS TO BE REMOVED AND/OR DEMOLISHED ARE TO BE RETAINED BY THE OWNER PRIOR TO ANY DEMOLITION WORK BEING PERFORMED. ALL ITEMS TO BE RETAINED BY THE OWNER SHALL BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE OWNER IN THE CONDITION FOUND PRIOR TO ANY WORK BEING PERFORMED. ALL OTHER ITEMS INDICATED TO BE REMOVED AND/OR DEMOLISHED SHALL BE DISPOSED OF OFF SITE BY THE CONTRACTOR IN A LAWFUL MANNER.
- 11 THE CONTRACTOR SHALL REPLACE OR REPAIR ANY ITEMS DAMAGED BY THE CONTRACTOR OR ANY OF ITS AGENTS TO A MINIMUM CONDITION MATCHING THE ITEMS' CONDITION AT THE START OF CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
- 12 THE CONTRACTOR SHALL REPAIR ANY MATERIALS, SYSTEMS, OR FINISHES WITHIN OR OUTSIDE OF THE GENERAL WORK AREA THAT ARE REQUIRED TO BE DISTURBED TO COMPLETE THE ENTIRE SCOPE OF WORK ASSOCIATED WITH BUILDING SYSTEM CONNECTIVITY.
- 13 THE CONTRACTOR SHALL PREPARE ALL SURFACES AFFECTED BY DEMOLITION OPERATIONS TO RECEIVE NEW WORK AS BOTH INDICATED WITHIN THESE DRAWINGS AND SPECIFICATIONS/PROJECT MANUAL AND AS RECOMMENDED BY THE MANUFACTURERS' WRITTEN INSTRUCTIONS FOR THE INSTALLATION OF EACH RESPECTIVE PRODUCT.
- 14 THE CONTRACTOR SHALL REMOVE EXISTING FINISHES AS INDICATED THROUGHOUT THE CONTRACT DOCUMENTS AND ENSURE THAT SUBSTRATE CONDITIONS ARE SMOOTH AND IN SATISFACTORY CONDITION TO RECEIVE NEW WORK.
- 15 THE CONTRACTOR SHALL REMOVE ALL ANCHORS, FASTENERS, WALL HANGERS, AND MISCELLANEOUS EXTRUSIONS AND APPURTENANCES OF ITEMS BOTH NO LONGER INSTALLED AND ITEMS REMOVED THROUGH DEMOLITION PROCEDURES.
- 16 THE CONTRACTOR SHALL COORDINATE ANY SAW CUTS WITHIN THE EXISTING SLABS WITHIN THE NEW WORK AREA AS REQUIRED TO INSTALL NEW ELECTRICAL CONDUIT, PLUMBING, AND/OR STRUCTURAL ELEMENTS. CONTRACTOR SHALL COORDINATE SIZE, LOCATION, AND DEPTH WITH THE FULL SET OF DOCUMENTS. REPLACE AND REPAIR CONCRETE AND FLASH AS REQUIRED TO CREATE A FLUSH SUBSTRATE AFTER COMPLETION OF WORK TASKS.

REFERENCED NOTES - DEMOLITION

NO.	NOTE
1	REMOVE EXISTING FLOOR FINISH, BASE AND ALL ASSOCIATED APPURTENANCES DOWN TO SUBFLOOR. PREPARE SURFACE TO RECEIVE NEW WORK.
2	REMOVE EXISTING DOORS, FRAMES AND ALL ASSOCIATED APPURTENANCES. IF A NEW DOOR IS INFILLING OPENING, SALVAGE DOOR AND FRAME, AND PREPARE OPENING TO RECEIVE NEW WORK.
3	REMOVE EXISTING TOILET PARTITIONS
4	REMOVE EXISTING PLUMBING FIXTURES AND TOILET ACCESSORIES
5	<varies>
6	REMOVE EXISTING WALL FINISH (IF ANY), AND WALL BASE. PREPARE WALL TO RECEIVE NEW FINISH.
7	REMOVE EXISTING CEILING AND ALL ASSOCIATED APPURTENANCES IN THEIR ENTIRETY THROUGHOUT SPACE, TYP. CONTRACTOR SHALL PREPARE SPACE TO RECEIVE NEW WORK.
8	REMOVE EXISTING LIGHTING AND ALL ASSOCIATED APPURTENANCES
9	REMOVE EXISTING BULKHEAD
10	REMOVE EXISTING CABINETS AND ASSOCIATED PLUMBING (SINK)
11	REMOVE & SALVAGE PASSPORT SCREEN AND ACCESSORIES FOR REINSTALLATION
12	EXISTING COLUMN TO REMAIN

PLAN LEGEND

- EXISTING WALL TO REMAIN
- EXISTING CONSTRUCTION TO BE DEMOLISHED (SEE DEMO PLANS)
- NEW WALL/PARTITION

	PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHIT	DRAWING SCALE	APPROVED BY: _____ DIRECTOR DATE: _____ APPROVED BY: _____ CHIEF DATE: _____	
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	ARCHITECT: DAVID WOODWARD AIA PRINCIPAL ARCHITECT MANS WOODWARD STUDIOS 10805 PHILADELPHIA ROAD WHITE MARSH, MARYLAND 21152 (P) 410-346-1400		DGN BY: _____	BUREAU OF ENGINEERING AND CONSTRUCTION	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER		FIELD ENGINEER
			DWN BY: _____	REVIEWED BY: _____							PROPERTY MANAGEMENT
		CHD BY: _____	DATE REVIEWED: _____								

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE, PROPERTY MANAGEMENT

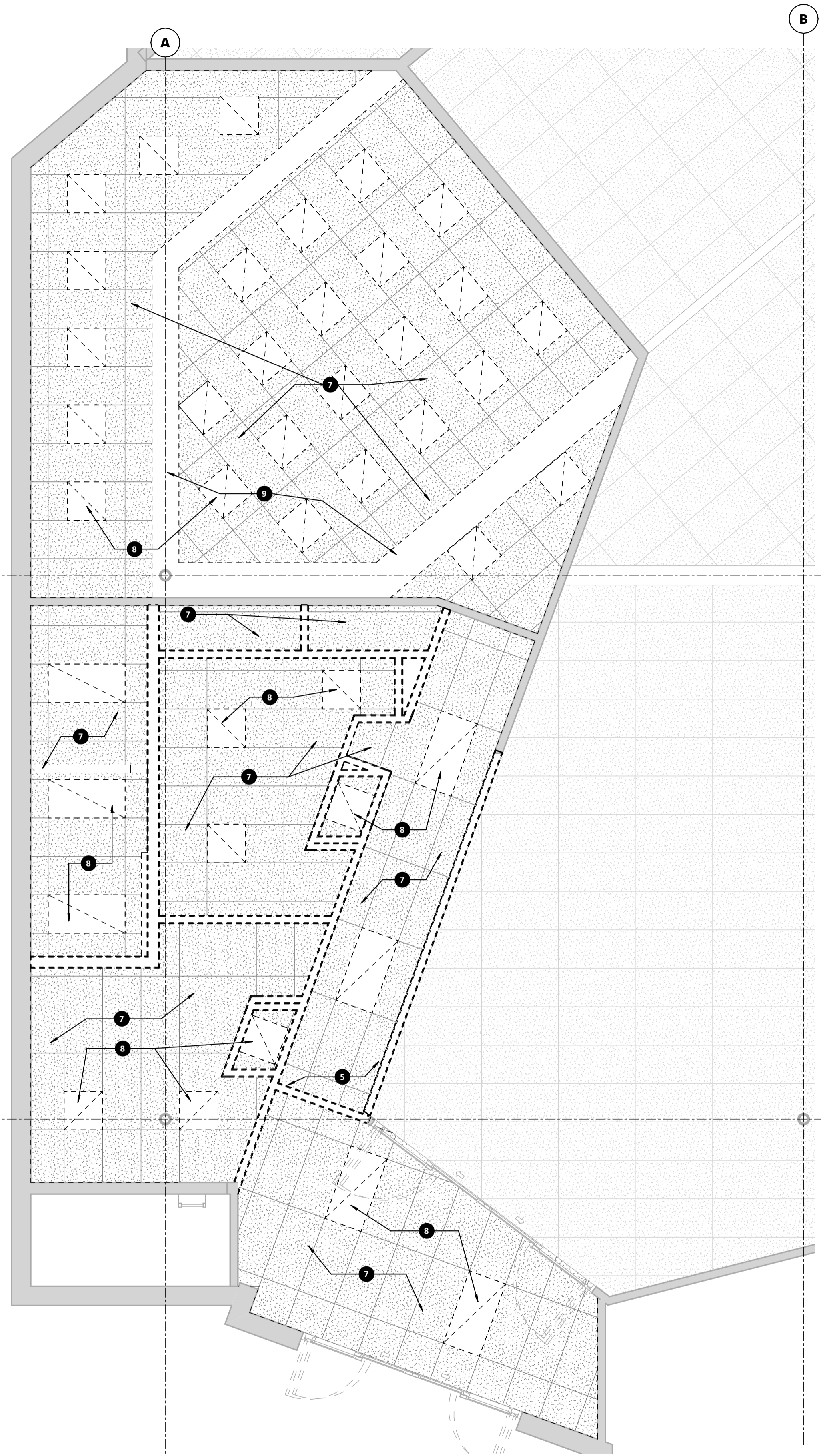
BCPL White Marsh
DEMOLITION FLOOR PLAN
BID/PERMIT SET
8133 SANDPIPER CIRCLE
BALTIMORE, MD 21236

SUBDIVISION:

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	JOB ORDER NUMBER
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	SHEET 4 OF 29
	DRAWING NUMBER
	2024-0329
	FILE NO.: 10611599

DWG. FILENAME: 10611599



1 DEMOLITION CEILING PLAN
1/4" = 1'-0"

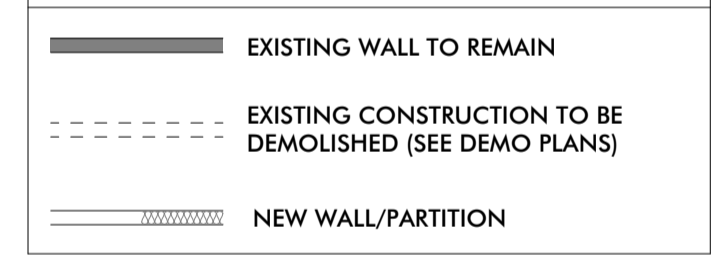
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- 9 THE CONTRACTOR SHALL PROVIDE PROTECTION FROM THE WEATHER FOR PORTIONS OF EXISTING CONSTRUCTION THAT ARE TO REMAIN OCCUPIED OR USEABLE BY THE OWNER OR TO AREAS THAT CONTAIN ITEMS TO REMAIN THAT WILL BE DAMAGED BY WEATHER.
- 10 ALL ITEMS INDICATED TO BE REMOVED AND/OR DEMOLISHED SHALL REMAIN THE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL REVIEW WITH THE OWNER IF ANY ITEMS TO BE REMOVED AND/OR DEMOLISHED ARE TO BE RETAINED BY THE OWNER PRIOR TO ANY DEMOLITION WORK BEING PERFORMED. ALL ITEMS TO BE RETAINED BY THE OWNER SHALL BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE OWNER IN THE CONDITION FOUND PRIOR TO ANY WORK BEING PERFORMED. ALL OTHER ITEMS INDICATED TO BE REMOVED AND/OR DEMOLISHED SHALL BE DISPOSED OF OFF SITE BY THE CONTRACTOR IN A LAWFUL MANNER.
- 11 THE CONTRACTOR SHALL REPLACE OR REPAIR ANY ITEMS DAMAGED BY THE CONTRACTOR OR ANY OF ITS AGENTS TO A MINIMUM CONDITION MATCHING THE ITEMS' CONDITION AT THE START OF CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
- 12 THE CONTRACTOR SHALL REPAIR ANY MATERIALS, SYSTEMS, OR FINISHES WITHIN OR OUTSIDE OF THE GENERAL WORK AREA THAT ARE REQUIRED TO BE DISTURBED TO COMPLETE THE ENTIRE SCOPE OF WORK ASSOCIATED WITH BUILDING SYSTEM CONNECTIVITY.
- 13 THE CONTRACTOR SHALL PREPARE ALL SURFACES AFFECTED BY DEMOLITION OPERATIONS TO RECEIVE NEW WORK AS BOTH INDICATED WITHIN THESE DRAWINGS AND SPECIFICATIONS/PROJECT MANUAL AND AS RECOMMENDED BY THE MANUFACTURERS' WRITTEN INSTRUCTIONS FOR THE INSTALLATION OF EACH RESPECTIVE PRODUCT.
- 14 THE CONTRACTOR SHALL REMOVE EXISTING FINISHES AS INDICATED THROUGHOUT THE CONTRACT DOCUMENTS AND ENSURE THAT SUBSTRATE CONDITIONS ARE SMOOTH AND IN SATISFACTORY CONDITION TO RECEIVE NEW WORK.
- 15 THE CONTRACTOR SHALL REMOVE ALL ANCHORS, FASTENERS, WALL HANGERS, AND MISCELLANEOUS EXTRUSIONS AND APPURTENANCES OF ITEMS BOTH NO LONGER INSTALLED AND ITEMS REMOVED THROUGH DEMOLITION PROCEDURES.
- 16 THE CONTRACTOR SHALL COORDINATE ANY SAW CUTS WITHIN THE EXISTING SLABS WITHIN THE NEW WORK AREA AS REQUIRED TO INSTALL NEW ELECTRICAL CONDUIT, PLUMBING, AND/OR STRUCTURAL ELEMENTS. CONTRACTOR SHALL COORDINATE SIZE, LOCATION, AND DEPTH WITH THE FULL SET OF DOCUMENTS. REPLACE AND REPAIR CONCRETE AND FLASH AS REQUIRED TO CREATE A FLUSH SUBSTRATE AFTER COMPLETION OF WORK TASKS.

REFERENCED NOTES - DEMOLITION

NO.	NOTE
1	REMOVE EXISTING FLOOR FINISH, BASE AND ALL ASSOCIATED APPURTENANCES DOWN TO SUBFLOOR. PREPARE SURFACE TO RECEIVE NEW WORK.
2	REMOVE EXISTING DOORS, FRAMES AND ALL ASSOCIATED APPURTENANCES. IF A NEW DOOR IS INFILLING OPENING, SALVAGE DOOR AND FRAME, AND PREPARE OPENING TO RECEIVE NEW WORK.
3	REMOVE EXISTING TOILET PARTITIONS
4	REMOVE EXISTING PLUMBING FIXTURES AND TOILET ACCESSORIES
5	<varies>
6	REMOVE EXISTING WALL FINISH (IF ANY), AND WALL BASE, PREPARE WALL TO RECEIVE NEW FINISH.
7	REMOVE EXISTING CEILING AND ALL ASSOCIATED APPURTENANCES IN THEIR ENTIRETY THROUGHOUT SPACE, TYP. CONTRACTOR SHALL PREPARE SPACE TO RECEIVE NEW WORK.
8	REMOVE EXISTING LIGHTING AND ALL ASSOCIATED APPURTENANCES
9	REMOVE EXISTING BULKHEAD
10	REMOVE EXISTING CABINETS AND ASSOCIATED PLUMBING (SINK)
11	REMOVE & SALVAGE PASSPORT SCREEN AND ACCESSORIES FOR REINSTALLATION
12	EXISTING COLUMN TO REMAIN

PLAN LEGEND



SEAL	PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHIT	DRAWING SCALE	APPROVED BY: _____ DIRECTOR
	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 15505 EXPIRATION DATE: 08-18-2024		BID/PERMIT SET		08.15.24	-			PLAN SCALE: As indicated	
ARCHITECT: DAVID WOODWARD, AIA PRINCIPAL ARCHITECT MANSN WOODWARD STUDIOS 10800 W. HILGREN ROAD WHITE MARSH, MARYLAND 21152 (P) 301-946-1400	DGN BY: _____	BUREAU OF ENGINEERING AND CONSTRUCTION	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	PROPERTY MANAGEMENT	APPROVED BY: _____ CHIEF
	DWN BY: _____	REVIEWED BY: _____	DATE REVIEWED: _____							
CHKD BY: _____										

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE, PROPERTY MANAGEMENT

BCPL White Marsh
DEMOLITION CEILING PLAN
BID/PERMIT SET

8133 SANDPIPER CIRCLE
BALTIMORE, MD 21236

ELECTION DIST. NO.:

SHEET DESIGNATION	CONTRACT NUMBER
AD101	24066 P00
JOB ORDER NUMBER	
10611599	
SHEET 5 OF 29	
DRAWING NUMBER	
2024-0330	
FILE NO.: 10611599	



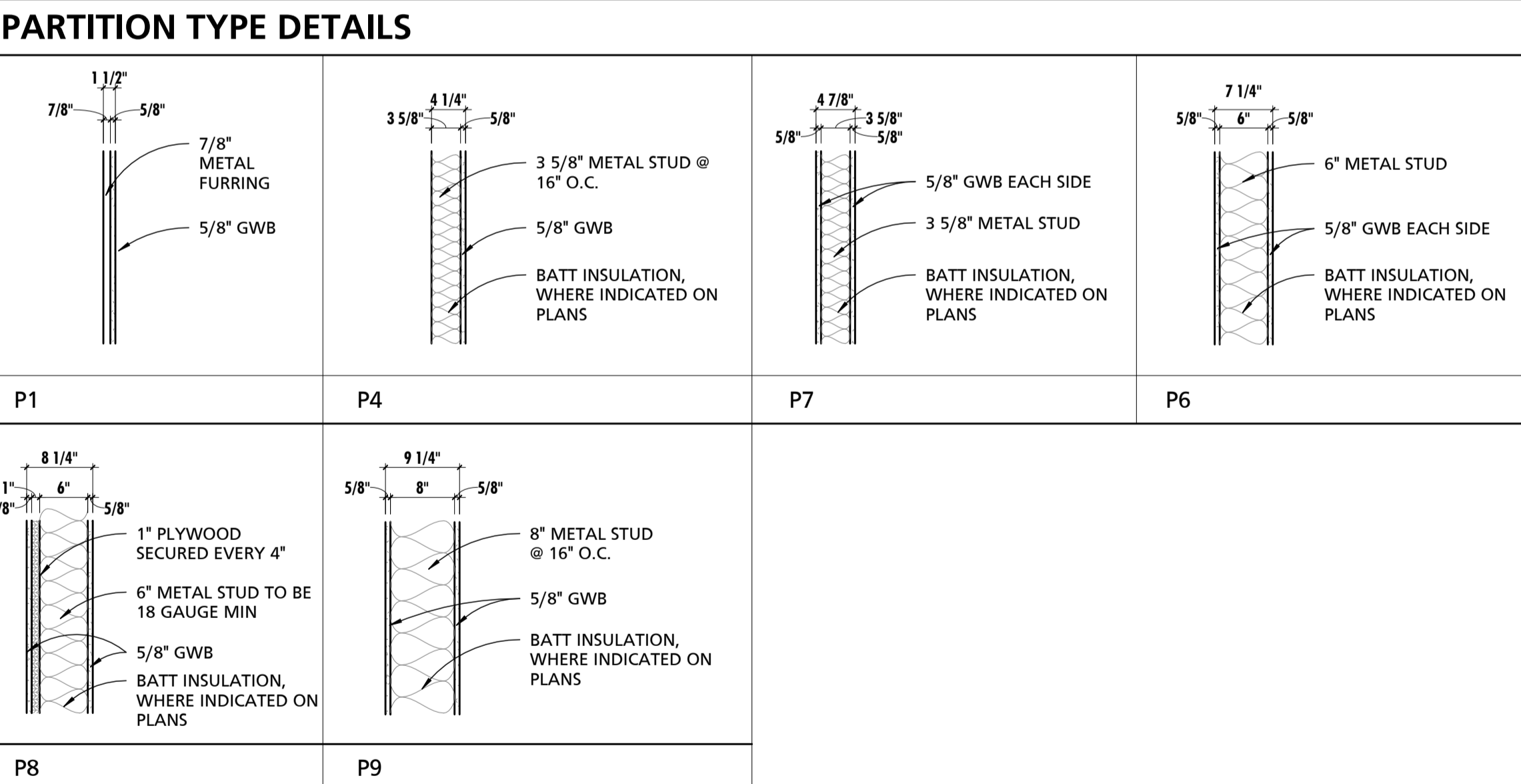
DATE: 03-15-2024

DWG. FILENAME: 10611599

GENERAL PROJECT NOTES	
NOTE #	NOTE
1	THE FOLLOWING GENERAL NOTES APPLY TO THE ENTIRE PROJECT.
2	THE CONTRACTOR SHALL EXAMINE ALL CONTRACT DOCUMENTS AND ALL SPECIFICATIONS AND DRAWINGS FOR THE PROJECT, INCLUDING THOSE THAT MAY PRIMARILY PERTAIN TO WORK THAT THE CONTRACTOR NORMALLY DOES NOT PERFORM WITH ITS OWN FORCES. THE CONTRACTOR SHALL USE ALL OF THE PROJECT DRAWINGS AND SPECIFICATIONS FOR A COMPLETE UNDERSTANDING OF THE PROJECT AND ITS WORK. TO DETERMINE THE TYPE OF CONSTRUCTION AND SYSTEMS, FOR COORDINATION, TO DETERMINE WHAT OTHER WORK MAY BE INVOLVED THROUGHOUT, TO ANTICIPATE AND NOTIFY OTHERS WHEN THEIR COORDINATED EFFORTS WILL BE REQUIRED, AND ALL OTHER RELEVANT MATTERS RELATED TO THE PROJECT AND ITS WORK.
3	IF THERE IS ANY INCONSISTENCY IN THE QUALITY OR QUANTITY OF THE WORK REQUIRED UNDER THE CONTRACT DOCUMENTS, THEN THE CONTRACTOR SHALL (1) IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING OF SUCH INCONSISTENCY AND (2) PROVIDE THE BETTER QUALITY OF OR GREATER QUANTITY OF WORK OR MATERIALS, UNLESS OTHERWISE ORDERED IN WRITING BY THE OWNER. COMPUTED DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE DIMENSIONS AND LARGE SCALE DRAWINGS SHALL TAKE PRECEDENCE OVER SMALL SCALE DRAWINGS. THE CONTRACT DOCUMENTS GENERALLY SET FORTH THE BASIS AND ANALYSIS OF DESIGN, AND THE CONTRACTOR SHALL OBTAIN SUCH INFORMATION AS MAY BE NECESSARY TO SATISFACTORILY PERFORM AND COMPLETE THE WORK.
4	THE ARCHITECTURAL DRAWINGS ARE A PART OF A LARGER SET OF DRAWINGS WHICH, WHEN COMPLETE, CONSISTS OF ALL DRAWINGS LISTED BY THE INDEX OF DRAWINGS AND WITHIN THE SPECIFICATIONS. THE WORK DESCRIBED BY THE DRAWINGS OF ANY ONE DISCIPLINE MAY BE AFFECTED BY THE WORK DESCRIBED ON DRAWINGS OF ANOTHER DISCIPLINE AND MAY REQUIRE REFERENCE TO THE DRAWINGS OF ANOTHER DISCIPLINE. PARTIAL SETS OF DRAWINGS ARE INCOMPLETE AND SHOULD NOT BE DISTRIBUTED OR UTILIZED BY THE CONTRACTOR. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW AND COORDINATE THE WORK OF ALL SUB-CONTRACTORS, TRADES, AND SUPPLIERS WITH ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS BEFORE COMMENCING CONSTRUCTION AND TO ASSURE THAT ALL PARTIES ARE AWARE OF ALL REQUIREMENTS, REGARDLESS OF WHERE THE REQUIREMENTS OCCUR IN THE CONTRACT DOCUMENTS, WHICH MIGHT AFFECT THE WORK OF THAT PARTY. THE CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION BETWEEN SUBCONTRACTORS, SUPPLIERS, AND VENDORS BASED ON THE ENTIRE SET OF THESE DOCUMENTS. NO ADDITIONAL COMPENSATION WILL BE DUE TO A CONTRACTOR FOR ANY ISSUES AS A RESULT OF ANY USE OF AN INCOMPLETE SET OF CONSTRUCTION DOCUMENTS.
5	AT WALLS WITH SOUND ATTENUATION BLANKETS, CONTRACTOR SHALL SEAL DOOR FRAMES, GLAZED OPENING FRAMES, INTERSECTIONS, AND OTHER PENETRATIONS WITH ACOUSTICAL SEALANT.
6	VERIFY ALL ROUGH-IN DIMENSIONS FOR EQUIPMENT PROVIDED IN THIS CONTRACT, OR BY OTHERS. UNLESS NOTED OTHERWISE, ALL MATERIALS AND EQUIPMENT TO BE INSTALLED PER THE APPLICABLE PROVISIONS OF THESE DOCUMENTS AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
7	CUTTING INTO NEW WORK OF OTHER TRADES SHALL BE DONE BY THE TRADE REQUIRING THE CUTTING. ALL CUTTING SHALL BE DONE IN A NEAT MANNER USING SAWS WHERE POSSIBLE. ALL PATCHING AND PAINTING REQUIRED AS A RESULT OF THIS CUTTING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. PROVIDE ADEQUATE TEMPORARY SUPPORT FOR WORK BEING CUT AND PATCHED TO PREVENT FAILURE. DO NOT ENDANGER OTHER WORK. PROVIDE ADEQUATE PROTECTION OF OTHER WORK DURING CUTTING AND PATCHING TO PREVENT DAMAGE.
8	PROPERLY PREPARE ALL SURFACES FOR NEW FINISHES. PATCH WITH SEAMS WHICH ARE DURABLE AND AS INVISIBLE AS POSSIBLE. COMPLY WITH SPECIFIC TOLERANCES FOR THE TYPE OF WORK BEING DONE.
9	ALL PENETRATIONS OF FIRE RATED ASSEMBLIES SHALL BE SEALED WITH PROPER/APPROVED THROUGH PENETRATION FIRE STOP SYSTEM AS RECOGNIZED BY AND LISTED WITH NATIONALLY AND ACCEPTED TESTING LABORATORIES.
10	OBTAIN ARCHITECT'S SPECIFIC APPROVAL PRIOR TO DEVIATING FROM THE CONTRACT DOCUMENTS. THE ARCHITECT'S RESPONSIBILITY IS LIMITED TO THE ITEMS SHOWN ON THE ARCHITECTURAL DRAWINGS. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO COMPLY WITH STANDARD BUILDING AND CONSTRUCTION PRACTICES AND MANUFACTURER'S RECOMMENDATIONS FOR ALL ITEMS NOT SPECIFICALLY INDICATED AND DETAILED ON THE DRAWINGS. FOLLOW THE BEST TRADE PRACTICES AND ENGINEERING FOR THE ITEMS NOT SPECIFICALLY DETAILED AND INDICATED.
11	ALL PARTS OF THE WORK, INCLUDING MATERIALS, METHODS, ASSEMBLIES, ETC. MUST COMPLY WITH THE MINIMUM REQUIREMENTS OF THE GOVERNING REGULATIONS OF ALL FEDERAL, STATE, DISTRICT, AND LOCAL AUTHORITIES HAVING JURISDICTION OVER THE PROJECT AS WELL AS THOSE GREATER REQUIREMENTS INDICATED BY THE CONTRACT DOCUMENTS. NO PART OF THE CONTRACT DOCUMENTS MAY BE CONSTRUED TO REQUIRE OR PERMIT WORK CONTRARY TO A GOVERNING REGULATION.
12	THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING A CURRENT SET OF CONSTRUCTION DRAWINGS ON SITE DURING CONSTRUCTION. THE CONTRACTOR SHALL INDICATE ON THESE DRAWINGS ALL APPROVED CHANGES TO THE WORK. THIS SET OF DRAWINGS SHALL BE TURNED OVER TO THE OWNER/CLIENT WHEN THE PROJECT IS COMPLETE.
13	THE BUILDING HAS BEEN DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE DEMOLITION, ERECTION PROCEDURES, SEQUENCE, AND TO ENSURE THE STABILITY OF ITS COMPONENTS AND PARTS, AND THE ADEQUACY OF TEMPORARY OR INCOMPLETE CONNECTIONS DURING ERECTION. THIS INCLUDES THE ADDITION OF ANY GUYS, SHORING, SHEETING OR TEMPORARY BRACING AND TIE-DOWNS THAT MIGHT BE NECESSARY. SUCH MATERIALS ARE NOT SHOWN ON THE DRAWINGS. IF APPLIED, THEY SHALL BE REMOVED AS CONDITIONS PERMIT, AND SHALL REMAIN THE CONTRACTOR'S PROPERTY.
14	CONTRACTOR SHALL COORDINATE THE FRAMING LAYOUT WITH ELECTRICAL AND MECHANICAL WORK.
15	THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL MECHANICAL, AND ELECTRICAL PERMITS, AND ALL OTHER RELATED PERMITS REQUIRED TO COMPLETE THE WORK. ALL PLUMBING, ELECTRICAL & MECHANICAL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE LATEST ADOPTED BUILDING CODE AND SHALL BE SUBJECT TO FIELD INSPECTION BY THE AGENCIES HAVING JURISDICTION.
16	MANNS WOODWARD STUDIOS, INC. HAS NO EXPERTISE IN, AND TAKES NO RESPONSIBILITY FOR, CONSTRUCTION MEANS AND METHODS OR JOB SITE SAFETY DURING CONSTRUCTION. PROCESSING AND/OR APPROVING SUBMITTALS MADE BY THE CONTRACTOR CONTAINING INFORMATION RELATED TO CONSTRUCTION METHODS, OR SAFETY ISSUES, OR PARTICIPATION IN MEETINGS WHERE SUCH ISSUES MIGHT BE DISCUSSED, IT SHALL NOT BE CONSTRUED AS VOLUNTARY ASSUMPTION BY MANNS WOODWARD STUDIOS, INC. OR ANY RESPONSIBILITY FOR SAFETY PROCEDURES. IT IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING CONSTRUCTION. MANNS WOODWARD STUDIOS, INC. DOES NOT ENGAGE IN, AND DOES NOT SUPERVISE THE CONSTRUCTION PROCESS.
17	THESE DRAWINGS ARE THE PROPERTY OF MANNS WOODWARD STUDIOS, INC. AND MAY NOT BE MODIFIED OR REPRODUCED WITHOUT WRITTEN PERMISSION. REPRODUCTIONS OF THE DRAWINGS MUST BEAR THE NAME OF THE ARCHITECT AND PROJECT LOCATION. THESE DRAWINGS ARE FULLY PROTECTED BY FEDERAL AND STATE COPYRIGHT LAWS; ANY INFRINGEMENT WILL BE PROSECUTED TO THE FULL EXTENT OF THE LAW.
18	ALL DEVICES INCLUDING SWITCHES, PLATES, THERMOSTATS, CONTROL PANELS, ETC. SHALL BE COORDINATED BY THE CONTRACTOR BASED UPON THE FOLLOWING CRITERIA: A. DEVICES LOCATED WITHIN 36" OF EACH OTHER HORIZONTALLY (IN PLAN VIEW) OF EACH OTHER SHALL BE INSTALLED SUCH THAT THE TOPS OF ALL DEVICES ARE ALIGNED OR THE CENTERLINE OF DEVICES ARE MAINTAINED. B. DEVICES LOCATED VERTICALLY (TWO OR MORE STACKED DEVICES) SHALL BE INSTALLED SUCH THAT THE CENTERLINES ARE MAINTAINED. SEE DIAGRAMS FOR REFERENCE. ADA REACH HEIGHTS AND DEVICE REQUIREMENTS PER CODE SUPERCEDE THIS NOTE AND WHERE IN CONFLICT SHALL REQUIRE COORDINATION AND APPROVAL FROM THE ARCHITECT.
19	FINAL LOCATION OF ALL FIRE ALARM DEVICES, EMERGENCY EGRESS LIGHTING, EXIT SIGNS, FIRE EXTINGUISHERS AND FIRE EXTINGUISHER CABINETS, ETC. SHALL BE REVIEWED AND FIELD COORDINATED WITH CONSIDERATION OF FINAL FINISHES WITH THE ARCHITECT PRIOR TO INSTALLATION. APPROVAL MUST BE OBTAINED BY THE ARCHITECT PRIOR TO INSTALLATION.
20	ALL DEVICES INCLUDING SWITCHES, PLATES, THERMOSTATS, CONTROL PANELS, ETC. SHALL BE COORDINATED BY THE CONTRACTOR BASED UPON THE FOLLOWING CRITERIA: A. DEVICES LOCATED WITHIN 36" OF EACH OTHER HORIZONTALLY (IN PLAN VIEW) OF EACH OTHER SHALL BE INSTALLED SUCH THAT THE TOPS OF ALL DEVICES ARE ALIGNED OR THE CENTERLINE OF DEVICES ARE MAINTAINED. B. DEVICES LOCATED VERTICALLY (TWO OR MORE STACKED DEVICES) SHALL BE INSTALLED SUCH THAT THE CENTERLINES ARE MAINTAINED. SEE DIAGRAMS FOR REFERENCE. ADA REACH HEIGHTS AND DEVICE REQUIREMENTS PER CODE SUPERCEDE THIS NOTE AND WHERE IN CONFLICT SHALL REQUIRE COORDINATION AND APPROVAL FROM THE ARCHITECT.

GENERAL PARTITION NOTES	
1	ENTRY SPACES, LOBBIES, AND CORRIDORS TO RECEIVE ABUSE RESISTANT GYPSUM WALL BOARD, U.N.O.
2	PROVIDE FIBERGLASS REINFORCED MOISTURE RESISTANT GYPSUM WALL BOARD IN ALL EQUIPMENT ROOMS, JANITOR'S CLOSETS, RESTROOMS, KITCHENS AND OTHER WET AREAS. PROVIDE FIBERGLASS REINFORCED MOISTURE RESISTANT WALL BOARD IN ALL OTHER AREAS WITHIN 8'-0" OF WATER SOURCE.
3	CONTRACTOR SHALL PROVIDE BLOCKING AND NAILERS AS REQUIRED TO SUPPORT ALL NEW WORK, INCLUDING ITEMS TO BE PROVIDED AND/OR INSTALLED BY OWNER.
4	ALL CORRIDOR AND FIRE-RATED PARTITIONS SHALL BE EXTENDED TO THE UNDERSIDE OF THE STRUCTURE ABOVE, U.N.O. THE PERIMETER WALLS OF ANY SPACE NOT PROVIDED WITH A CEILING SHALL EXTEND THE UNDERSIDE OF DECK ABOVE.
5	PROVIDE DEFLECTION TRACKS AT TOP OF ALL NON-LOAD BEARING STUD WALLS EXTENDING TO THE UNDERSIDE OF STRUCTURE ABOVE, U.N.O.
6	PROVIDE CONCRETE BACKER BOARD IN LIEU OF GYPSUM WALL BOARD WHERE TILE FINISH IS INDICATED.
7	ALL FIRE WALLS SHALL BE PLACARDED OR STENCILED ON BOTH SIDES WITH THE PHRASE "FIRE WALL" PER IBC SECTION 703.7.1. THE LETTERS SHALL BE RED IN COLOR, 6" INCHES HIGH AND A MIN. OF 3/4" WIDE. THE PHRASE SHALL BE WRITTEN ONCE FOR EACH 15 FEET OF HORIZONTAL WALL LENGTH. THIS SIGNAGE MAY BE LOCATED IN THE CONCEALED SPACE ABOVE A CEILING.
8	SEE METAL STUD PARTITION FRAMING SCHEDULE FOR INTERIOR PARTITION REQUIREMENTS.
9	MOISTURE RESISTANT GYPSUM WALL BOARD SHALL BE UTILIZED IN ALL AREAS WHERE GYPSUM WALL BOARD IS TO BE DIRECTLY ADHERED TO CONCRETE OR MASONRY SURFACES IN INTERIOR APPLICATIONS. SUBSTRATE SHALL BE CLEANED AS REQUIRED AND FREE OF DUST, DEBRIS, AND MOISTURE PRIOR TO ADHESION AND FINISHING.
10	CONSTRUCTION OF RATED WALL ASSEMBLIES SHALL BE STRICTLY ADHERED TO IN ACCORDANCE WITH UL AND/OR GYPSUM ASSEMBLY SPECIFICATIONS. REFER TO CODE PLANS FOR ADDITIONAL INFORMATION.

SCHEDULE - INTERIOR PARTITION & WALL TYPE					
MARK	WIDTH	DESCRIPTION	FIRE RATING		STC RATING
			RATING	ASSEMBLY REF	
P1	1 1/2"	7/8" METAL FURRING W/ 5/8" GYPSUM WALL BOARD			
P4	4 1/4"	3 5/8" METAL STUD W/ 5/8" GYPSUM WALL BOARD ONE SIDE			
P7	4 7/8"	3-5/8" METAL STUD W/ 5/8" GYPSUM WALL BOARD EACH SIDE			
P8	8 1/4"	6" METAL STUD W/ 5/8" GWB ONE SIDE			
P9	9 1/4"	8" METAL STUD W/ 5/8" GYPSUM WALL BOARD EACH SIDE			



INTERIOR NON-LOAD BEARING / NON-STRUCTURAL PARTITION METAL STUD FRAMING

NOTE: METAL STUD FRAMING SHALL BE MINIMUM 20 GAUGE SPACED @ 16" O.C., UNLESS NOTED OTHERWISE. WIDTH & THICKNESS OF FRAMING SHALL BE AS INDICATED UNLESS HEAVIER/DEEPER/WIDER FRAMING MEMBERS ARE REQUIRED TO ACCOMMODATE HEIGHT OR LOADING. FINAL FRAMING MEMBER SIZE AND BRACING SHALL BE THE RESPONSIBILITY OF THE METAL STUD PROVIDER/INSTALLER. WIDTH OF FRAMING SHALL ONLY BE INCREASED WHERE DEEPER/THICKER MEMBERS CANNOT ACCOMMODATE HEIGHT OR LOADING.

SEAL	PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHIT	DRAWING SCALE	APPROVED BY: _____ DIRECTOR				
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	ARCHITECT: DAVID WOODWARD ASX PRINCIPAL ARCHITECT	DGN BY: _____	BUREAU OF ENGINEERING AND CONSTRUCTION				HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	PROPERTY MANAGEMENT	APPROVED BY: _____ CHIEF
	MANNS WOODWARD STUDIOS 10800 W. PHILADELPHIA ROAD WHITE MARSH, MARYLAND 21152 (P) 410-366-9490	DWN BY: _____	REVIEWED BY: _____											DATE: _____
	DATE: 03-15-2024	CHKD BY: _____	DATE REVIEWED: _____											

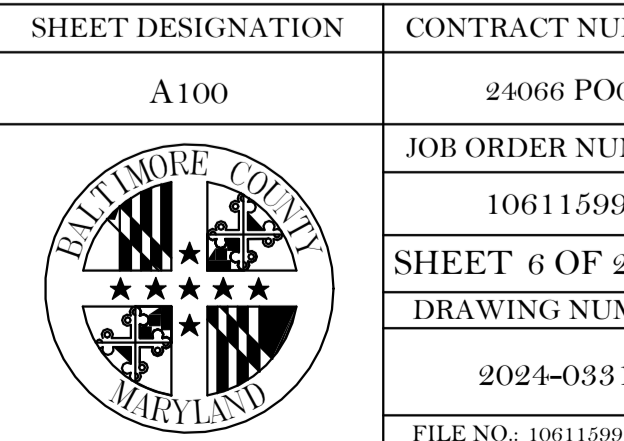
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE, PROPERTY MANAGEMENT

BCPL White Marsh
BUILDING ASSEMBLY TYPES AND NOTES
BID/PERMIT SET

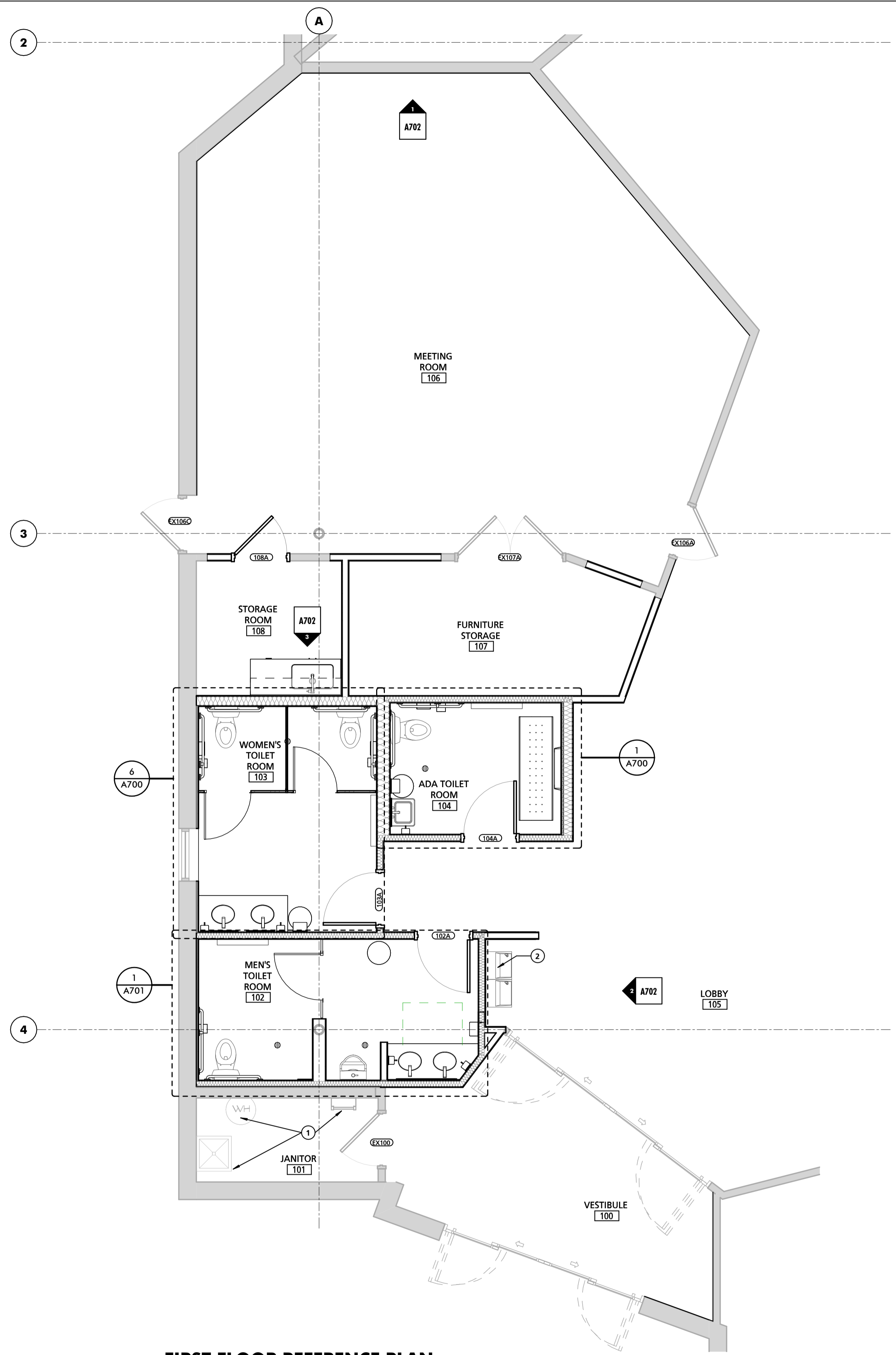
8133 SANDPIPER CIRCLE
BALTIMORE, MD 21236

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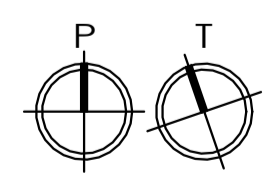
SHEET DESIGNATION	CONTRACT NUMBER
A100	24066 P00
JOB ORDER NUMBER	
10611599	
SHEET 6 OF 29	
DRAWING NUMBER	
2024-0331	
FILE NO.: 10611599	



DWG. FILENAME: 10611599



1 FIRST FLOOR REFERENCE PLAN
1/4" = 1'-0"



GENERAL REFERENCE PLAN NOTES

1 FURNITURE SHOWN FOR REFERENCE PURPOSES ONLY.

REFERENCED NOTES - NEW CONSTRUCTION

1 EXISTING WATER HEATER, MOP SINK AND ROOF LADDER TO REMAIN. SEE MEP DRAWINGS FOR ADDITIONAL DETAILS.
2 NEW DRINKING FOUNTAINS. SEE MEP DRAWINGS FOR ADDITIONAL DETAILS.

PLAN LEGEND

	EXISTING WALL TO REMAIN
	EXISTING CONSTRUCTION TO BE DEMOLISHED (SEE DEMO PLANS)
	NEW WALL/PARTITION

SEAL	PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHIT	DRAWING SCALE	APPROVED BY: _____ DIRECTOR
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ARCHITECT: DAVID WOODWARD, AIA PRINCIPAL ARCHITECT MANSS WOODWARD STUDIOS 10805 WILKINSON ROAD WHITE MARSH, MARYLAND 21152 (P) 410-346-1400	DGN BY: _____	BUREAU OF ENGINEERING AND CONSTRUCTION	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	PROPERTY MANAGEMENT
	DWN BY: _____	REVIEWED BY: _____							APPROVED BY: _____ CHIEF
	CHKD BY: _____	DATE REVIEWED: _____							DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE, PROPERTY MANAGEMENT

BCPL White Marsh
REFERENCE PLAN
BID/PERMIT SET

8133 SANDPIPER CIRCLE
BALTIMORE, MD 21236

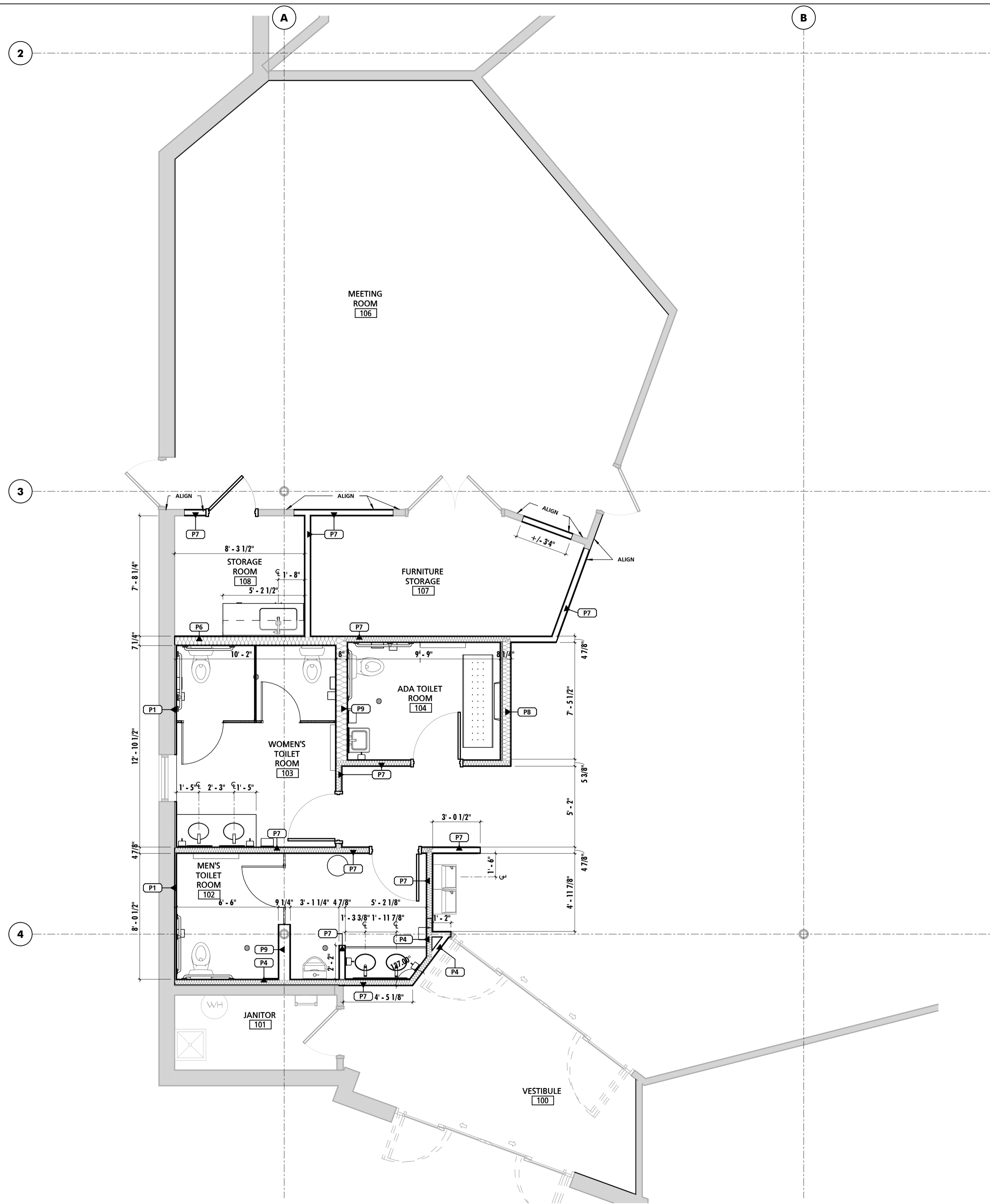
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SHEET DESIGNATION	CONTRACT NUMBER
A101	24066 P00
JOB ORDER NUMBER	10611599
SHEET 7 OF 29	
DRAWING NUMBER	2024-0332
FILE NO.: 10611599	



DATE: 03-15-2024

DWG. ELEMENT: 10611599



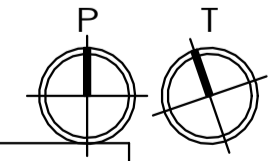
GENERAL DIMENSION PLAN NOTES

- 1 G.C. SHALL VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK. REPORT ANY DISCREPANCIES TO THE ARCHITECT BEFORE PROCEEDING WITH ANY WORK.
- 2 ALL DOOR JAMBS IN METAL STUD WALL SHALL BE A MINIMUM OF 4" FROM ADJACENT / PERPENDICULAR WALLS UNLESS NOTED OTHERWISE.

PLAN LEGEND

- EXISTING WALL TO REMAIN
- EXISTING CONSTRUCTION TO BE DEMOLISHED (SEE DEMO PLANS)
- NEW WALL/PARTITION

1 FIRST FLOOR DIMENSION PLAN
1/4" = 1'-0"



SEAL	PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHIT	DRAWING SCALE	APPROVED BY: _____ DIRECTOR
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ARCHITECT: DAVID WOODWARD AIA PRINCIPAL ARCHITECT MANSN WOODWARD STUDIOS 10800 W. PULASKI AVE. SUITE 100 WHITE MARSH, MARYLAND 21152 (P) 410-346-1400	DGN BY: _____	BUREAU OF ENGINEERING AND CONSTRUCTION	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	PROPERTY MANAGEMENT	APPROVED BY: _____ CHIEF
	DWN BY: _____	REVIEWED BY: _____								
CHKD BY: _____	DATE REVIEWED: _____									

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE, PROPERTY MANAGEMENT

BCPL White Marsh
DIMENSION PLAN
BID/PERMIT SET

8133 SANDPIPER CIRCLE
BALTIMORE, MD 21236

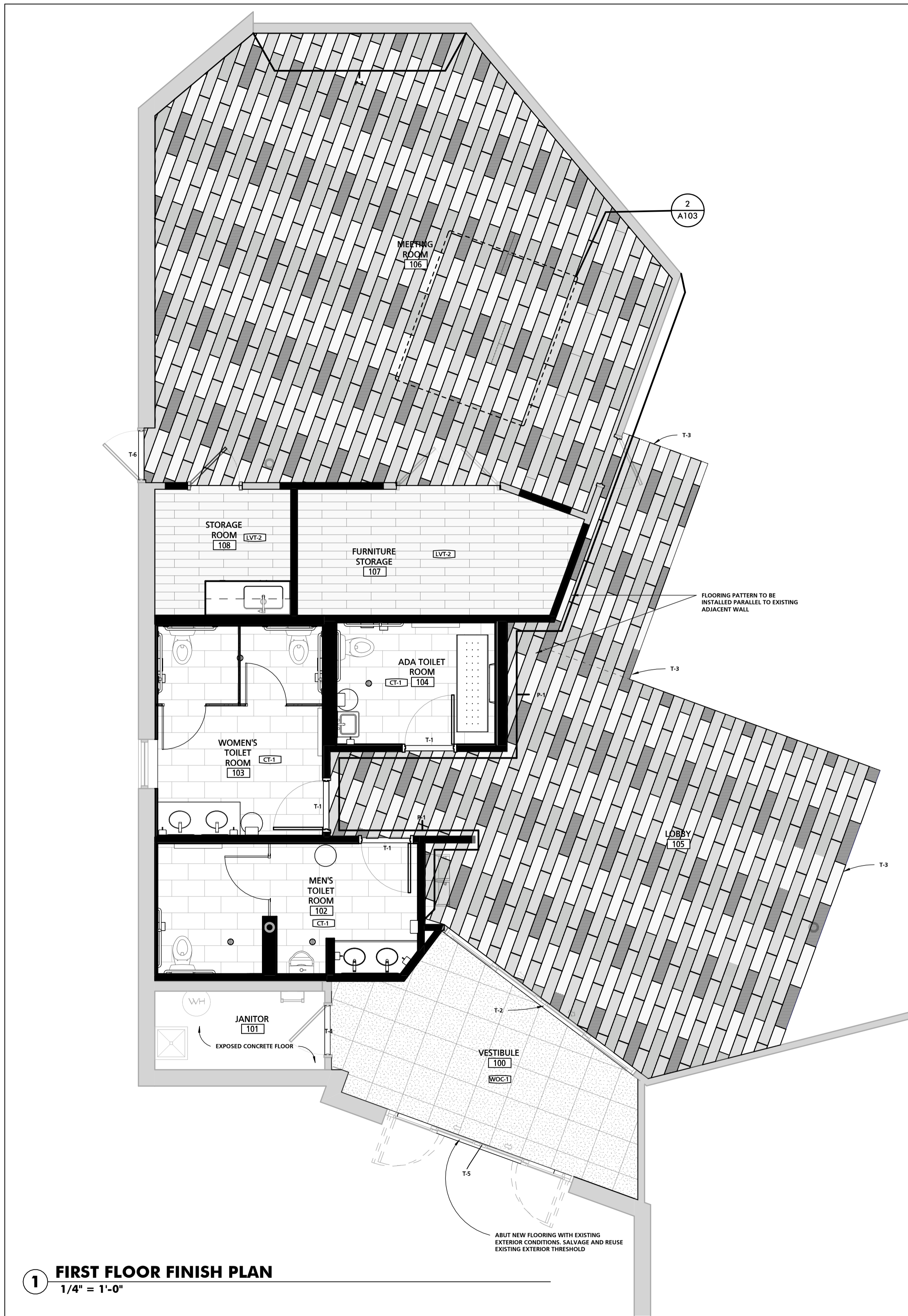
ELECTION DIST. NO.:

SHEET DESIGNATION	CONTRACT NUMBER
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10611599	
SHEET 8 OF 29	
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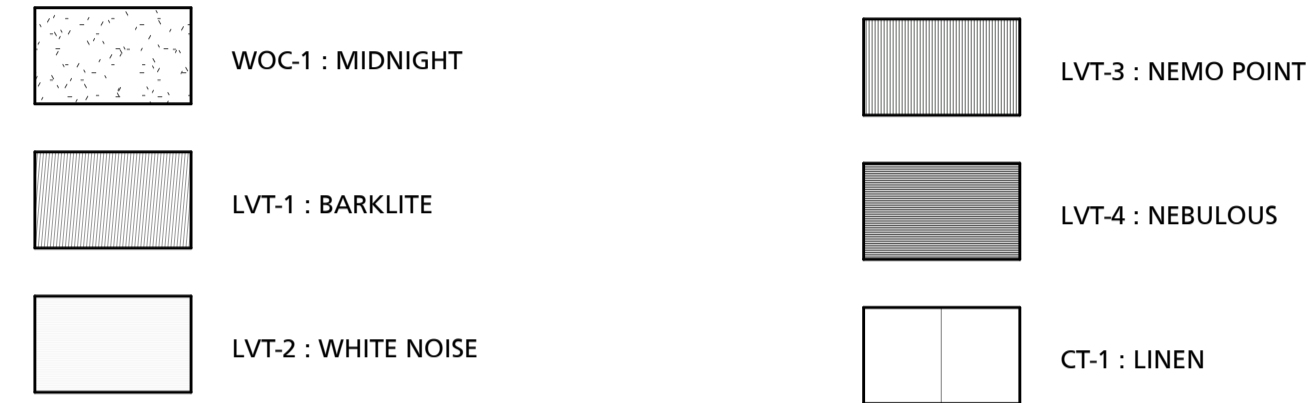
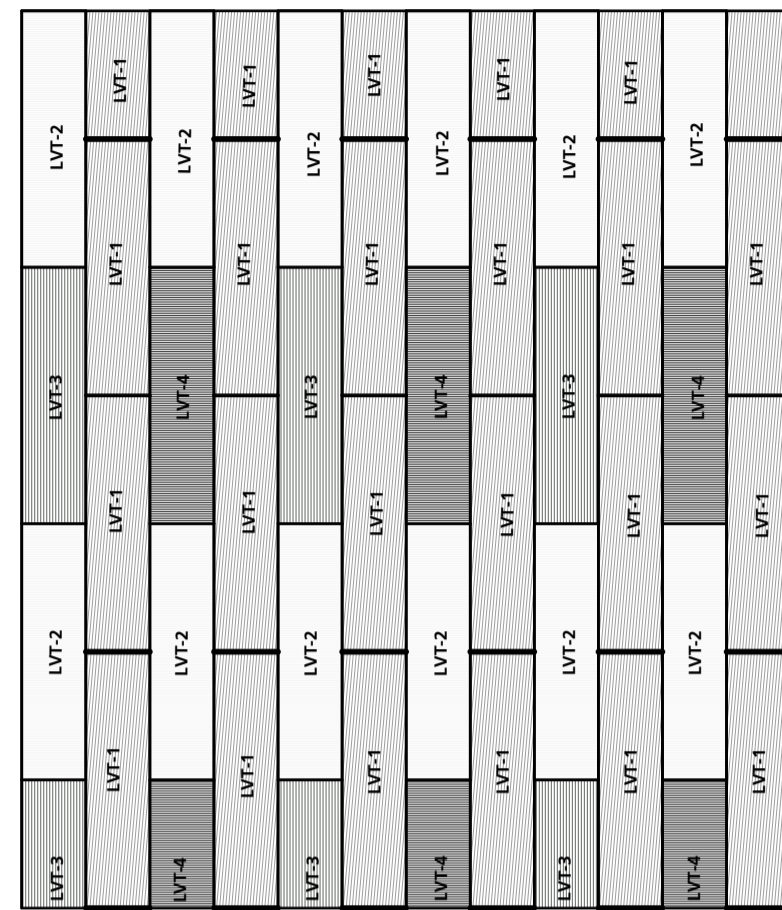


DATE: 03-15-2024

DWG. ELEMENT: 10611599



2 ENLARGED LVT PATTERN
1/2" = 1'-0"



FINISH LEGEND
3/4" = 1'-0"

FINISH ROOM SCHEDULE									
RM #	ROOM INFORMATION	FLOOR FINISH	BASE	WALL FINISH			CEILING FINISH	REMARKS	
				NORTH	SOUTH	EAST			WEST
100	VESTIBULE	WOC-1	B-1	P-1	P-1	P-1	ETR		
101	JANITOR	ETR	ETR	ETR	ETR	ETR	ETR		
102	MEN'S TOILET ROOM	CT-1	CT-2/CT-3	CT-2/CT-3	CT-2/CT-3	CT-2/CT-3	CT-2/CT-3	CLG-1	
103	WOMEN'S TOILET ROOM	CT-1	CT-2/CT-3	CT-2/CT-3	CT-2/CT-3	CT-2/CT-3	CT-2/CT-3	CLG-1	
104	ADA TOILET ROOM	CT-1	CT-2/CT-3	CT-2/CT-3	CT-2/CT-3	CT-2/CT-3	CT-2/CT-3	CLG-1	
105	LOBBY	LVT-1,2,3,4	B-2	P-1	P-1	P-1	P-1	CLG-1 SEE FINISH PLAN FOR PATTERN	
106	MEETING ROOM	LVT-1,2,3,4	B-2	P-3	P-1	P-1	P-1	CLG-1 & CLG-2 SEE FINISH PLAN FOR PATTERN	
107	FURNITURE STORAGE	LVT-2	B-2	P-1	P-1	P-1	P-1	CLG-1	
108	STORAGE ROOM	LVT-2	B-2	P-1	P-1	P-1	P-1	CLG-1	

INTERIOR FINISH LEGEND				
FINISH MARK	DESCRIPTION	BOD MANUFACTURER	BOD MODEL/PRODUCT LINE	BOD COMMENTS
B-1	4" RUBBER BASE	JOHNSONITE/TARKETT	TG4 - BLACK MAGIC B	
B-2	4" RUBBER BASE	JOHNSONITE/TARKETT	TO MATCH EXISTING BASE	
CT-1	12" x 24" CERAMIC TILE	CONESTOGA TILE	PAMARVA - BELGIAN LINEN - FOG MATTE	
CT-2	4" x 16" CERAMIC TILE	ARCHITESSA	HUES LIGHT GREY GLOSSY	
CT-3	4" x 16" CERAMIC TILE	ARCHITESSA	HUES OCEAN GLOSSY TILE	
FF-1	TRANSLUCENT FROSTED POLYESTER FILM	SOLYX - GLASS FINISHES	SWXF-WM WHITE MATTE	
LVT-1	LUXURY VINYL TILE FLOORING	ARMSTRONG FLOORING	EXCHANGE - ST960 STATIC - BAKELITE	ASHLAR PATTERN
LVT-2	LUXURY VINYL TILE FLOORING	ARMSTRONG FLOORING	EXCHANGE - ST900 STATIC - WHITE NOISE	ASHLAR PATTERN
LVT-3	LUXURY VINYL TILE FLOORING	ARMSTRONG FLOORING	EXCHANGE - ST973 SYSTEM GRADIENT - NEMO POINT	ASHLAR PATTERN
LVT-4	LUXURY VINYL TILE FLOORING	ARMSTRONG FLOORING	EXCHANGE - ST972 SYSTEM GRADIENT - NEBULOUS	ASHLAR PATTERN
P-1	FIELD PAINT	SHERWIN WILLIAMS	SW 7517 - RIVERS EDGE	
P-2	TRIM PAINT	SHERWIN WILLIAMS	SW 6258 - TRICORN BLACK	
P-3	ACCENT PAINT	SHERWIN WILLIAMS	SW 0017 - CALICO	
PL-1	PLASTIC LAMINATE	WILSONART	7966K-12 - 5TH AVE ELM - SOFTGRAIN FINISH	
SS-1	SOLID SURFACE COUNTERTOP	COBRIAN	ARTISTA CANVAS	
TP-1	TOILET PARTITION	SCRANTON PRODUCTS	HINNEY HIDERS - CONCRETE	
WOC-1	25CM X 25CM CARPET TILE	INTERFACE	STEP REPEAT - MIDNIGHT	ASHLAR PATTERN

NOTE		GENERAL FINISH PLAN NOTES	
1	ALL MECHANICAL, ELECTRICAL, PLUMBING, AND SPRINKLER WORK TO OCCUR IN AREAS WHERE THE STRUCTURE IS EXPOSED SHALL BE EXECUTED IN A COORDINATED, NEAT AND WORKMANLIKE MANNER. AT A MINIMUM ALL WIRING SHALL BE RUN THROUGH CONDUITS, PIPE AND DUCT INSULATION SHALL BE NEATLY INSTALLED AND PAINTABLE ALL PENETRATIONS SHALL EITHER BE NEATLY COPED OR UTILIZE PAINTABLE ESCUTCHEONS/COVER PLATES. ALL PIPES AND DUCTS SHALL BE RUN EITHER PERPENDICULAR OR PARALLEL TO WALL CONSTRUCTION AND SHALL BE INSTALLED AT THE SAME NOMINAL ELEVATION OR SLOPE. ALL MATERIALS AND INSTALLATION METHODS SHALL COMPLY WITH APPLICABLE CODES AND STANDARDS. WHERE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS INDICATE OTHER REQUIREMENTS, THE GREATER QUALITY SHALL PREVAIL.	2	REFER TO A700 SERIES FOR ADDITIONAL FINISH REQUIREMENTS.
3	REFER TO FLOORING TRANSITION DETAILS FOR THRESHOLDS & TRANSITION STRIPS (T#) DETAILS.	4	DO NOT MAKE INDELEIBLE MARKS ON PORTIONS OF SLAB THAT WILL BE VISIBLE INCLUDING, BUT NOT LIMITED TO PERMANENT MARKER, PAINT, ETCHED LINES OR PINS. REMOVE ALL STAINS, MARKINGS, DISCOLORATIONS, AND VISIBLE SOILS FROM CONCRETE BEFORE APPLYING SEALER.
5	REFER TO A800 SERIES REFLECTED CEILING PLAN FOR CEILING TYPES/FINISHES.	6	PROVIDE LVT FLOORING DIAGRAM
7	IN AREA OF WORK, PAINT EXPOSED COLUMNS P-2	8	MOISTURE RESISTANT GYPSUM WALL BOARD SHALL BE UTILIZED IN ALL AREAS WHERE GYPSUM WALL BOARD IS TO BE DIRECTLY ADHERED TO CONCRETE OR MASONRY SURFACES IN INTERIOR APPLICATIONS. SUBSTRATE SHALL BE CLEANED AS REQUIRED AND FREE OF DUST, DEBRIS, AND MOISTURE PRIOR TO ADHESION AND FINISHING.
9	FF-1 FROSTED FILM TO BE INSTALLED ON WOMEN'S TOILET ROOM WINDOW		

1 FIRST FLOOR FINISH PLAN
1/4" = 1'-0"

SEAL	PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHIT	DRAWING SCALE
	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 15505 EXPIRATION DATE: 08-18-2024	BID/PERMIT SET		08.15.24	-			PLAN SCALE: As indicated
	ARCHITECT: DAVID WOODWARD AIA PRINCIPAL ARCHITECT MANSN WOODWARD STUDIOS 10805 DILLON PARK ROAD WHITE MARSH, MARYLAND 21152 (P) 410-346-1400	BUREAU OF ENGINEERING AND CONSTRUCTION						PROFILE SCALE: -
	DGN BY: _____ DWN BY: _____ CHKD BY: _____	REVIEWED BY: _____ DATE REVIEWED: _____	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
								APPROVED BY: _____ DIRECTOR
								DATE: _____
								APPROVED BY: _____ CHIEF
								DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE, PROPERTY MANAGEMENT

BCPL White Marsh
FINISH PLAN
BID/PERMIT SET

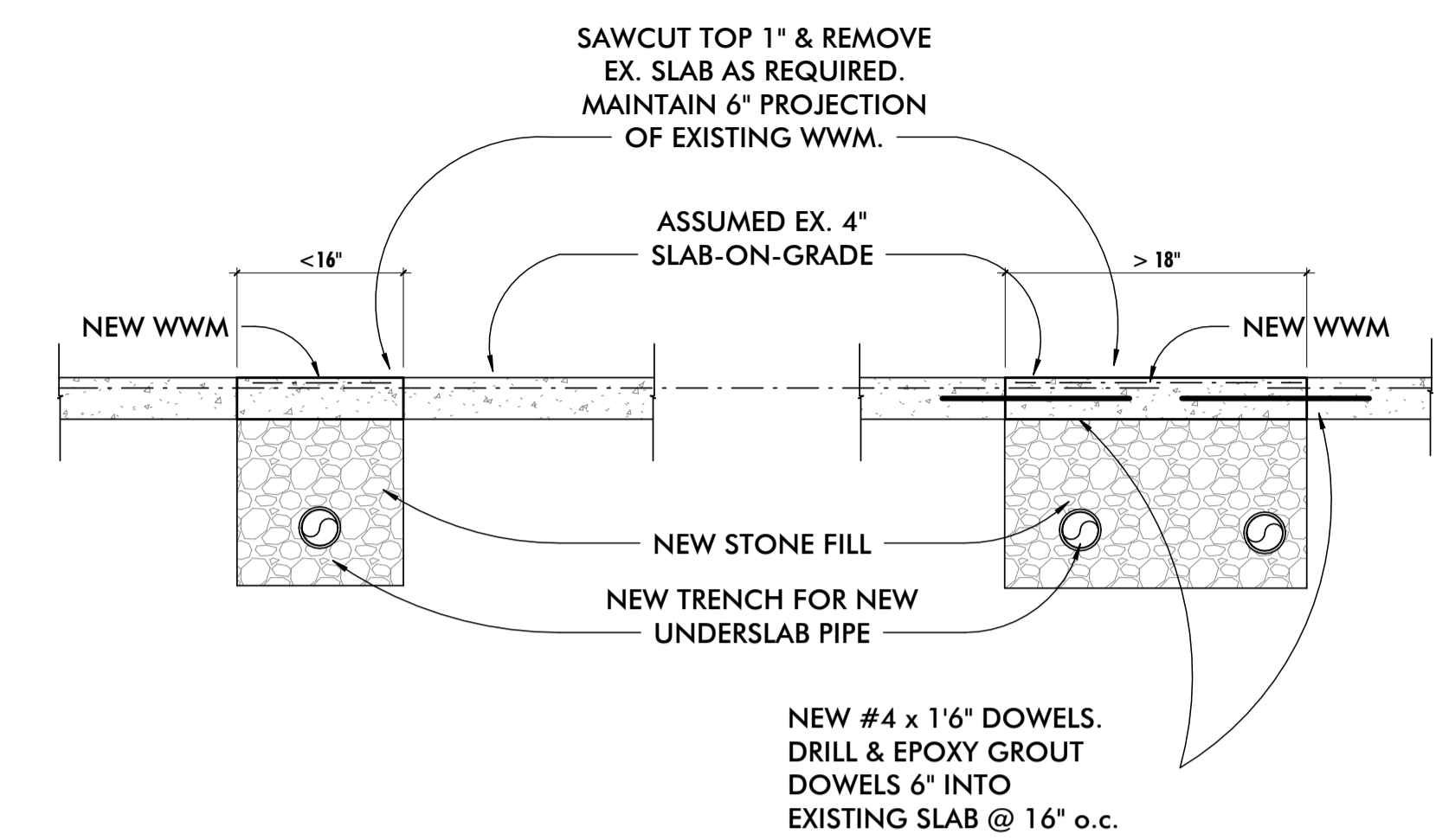
8133 SANDPIPER CIRCLE
BALTIMORE, MD 21236

ELECTION DIST. NO.:

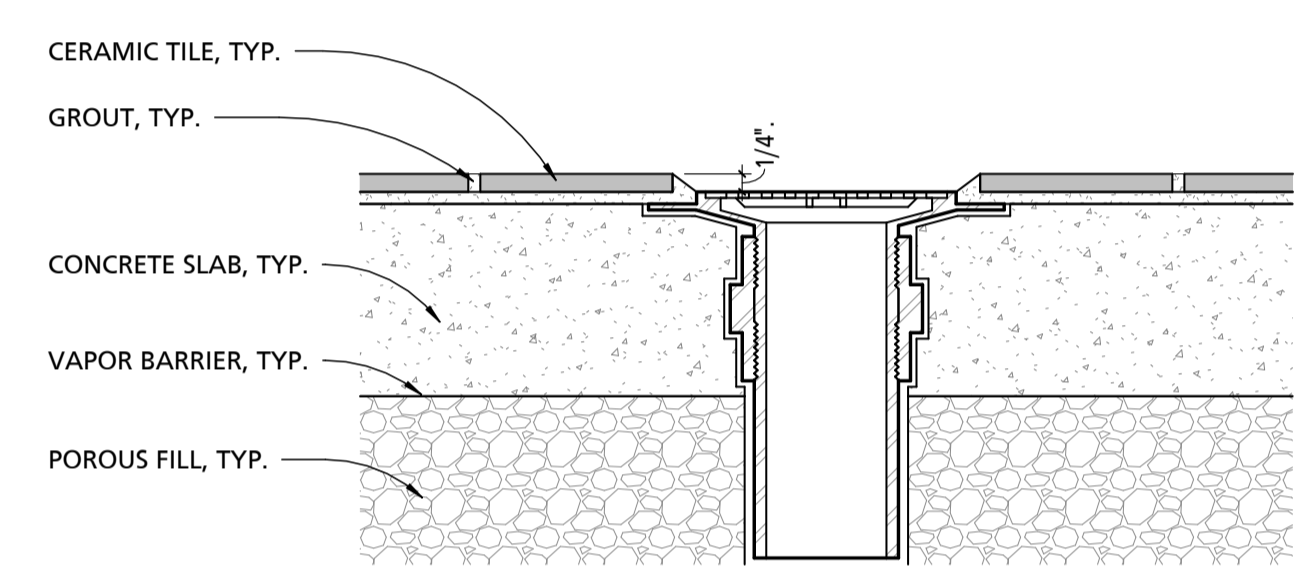
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A103	24066 POO
	JOB ORDER NUMBER
	10611599
	SHEET 9 OF 29
	DRAWING NUMBER
	2024-0334
	FILE NO.: 10611599



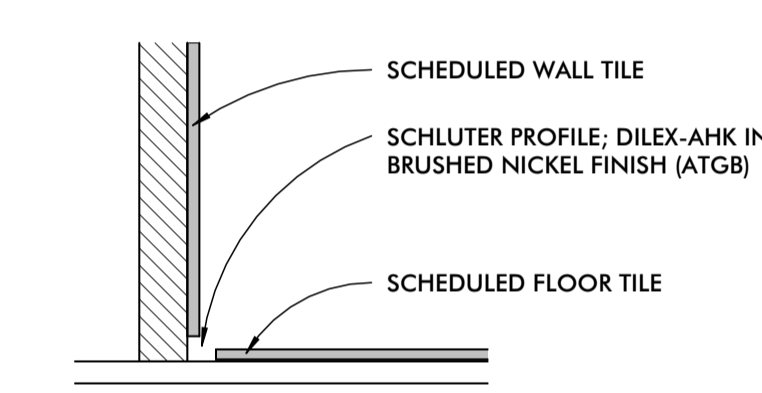
10611599
ELEXNAME



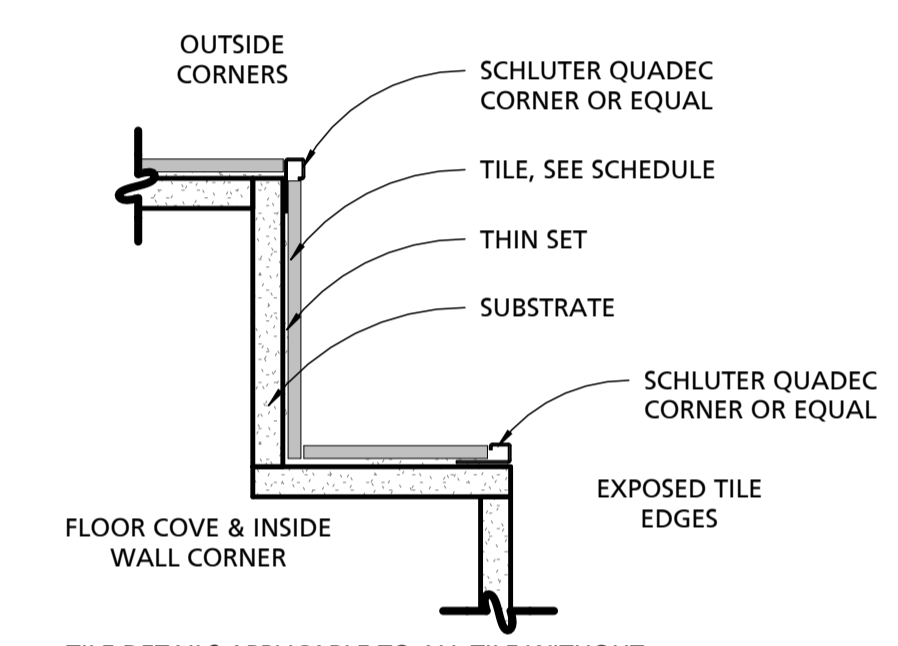
6 CONCRETE SOG DETAIL
3/4" = 1'-0"



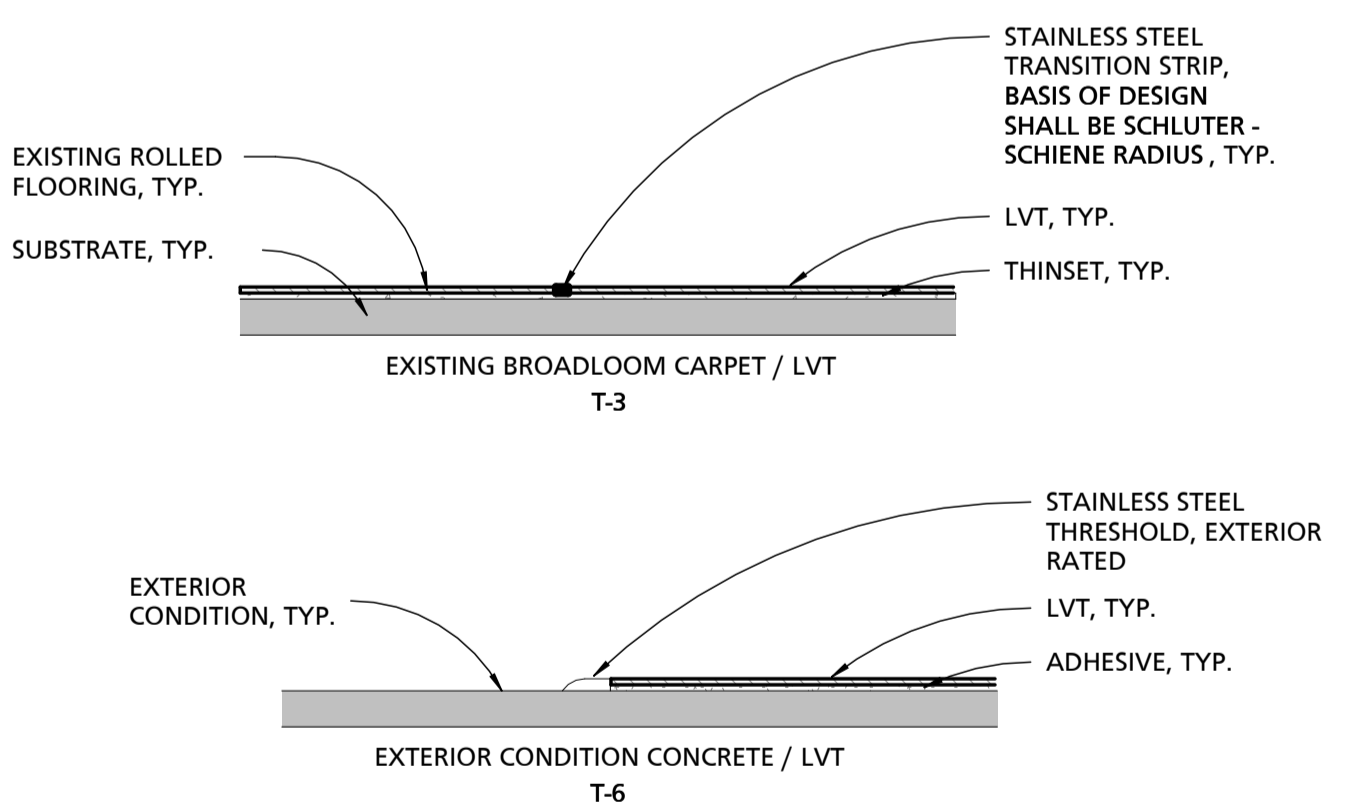
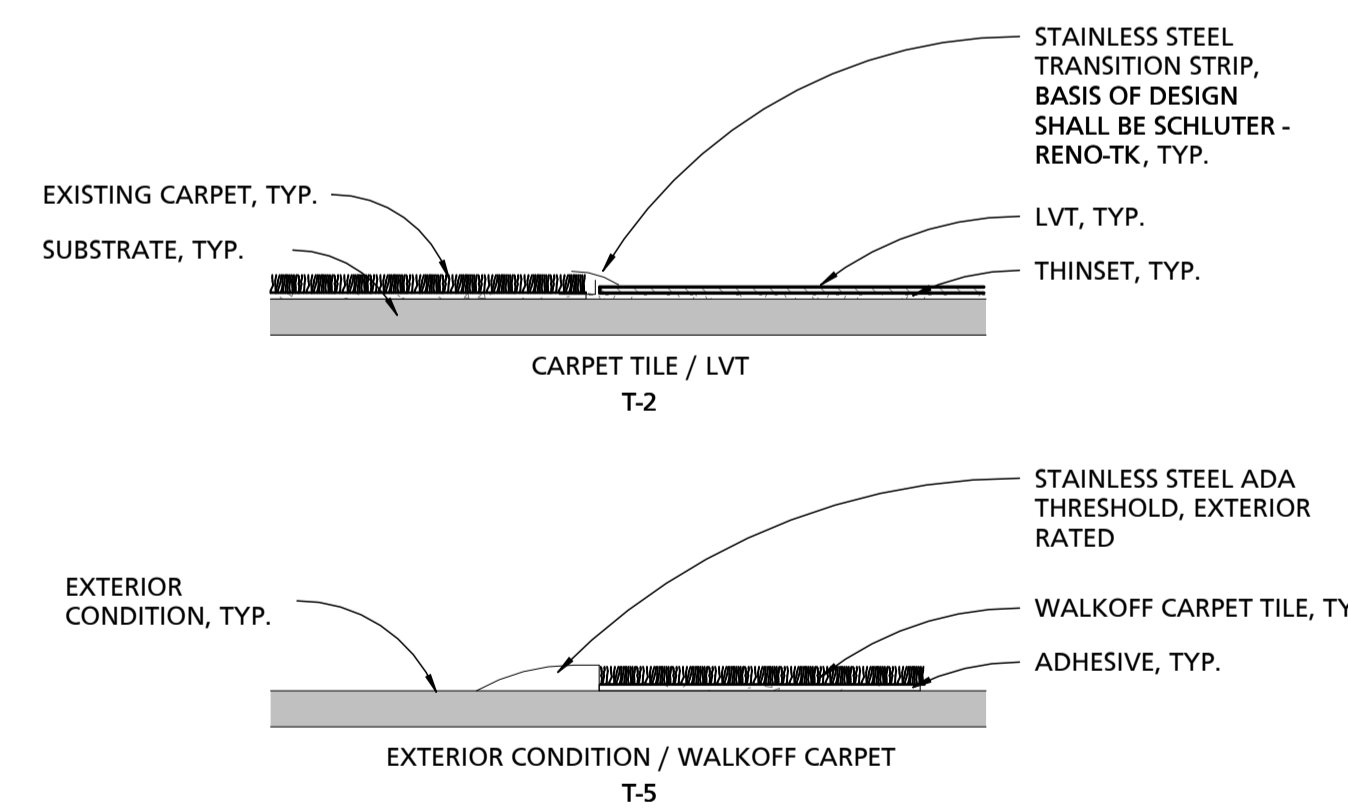
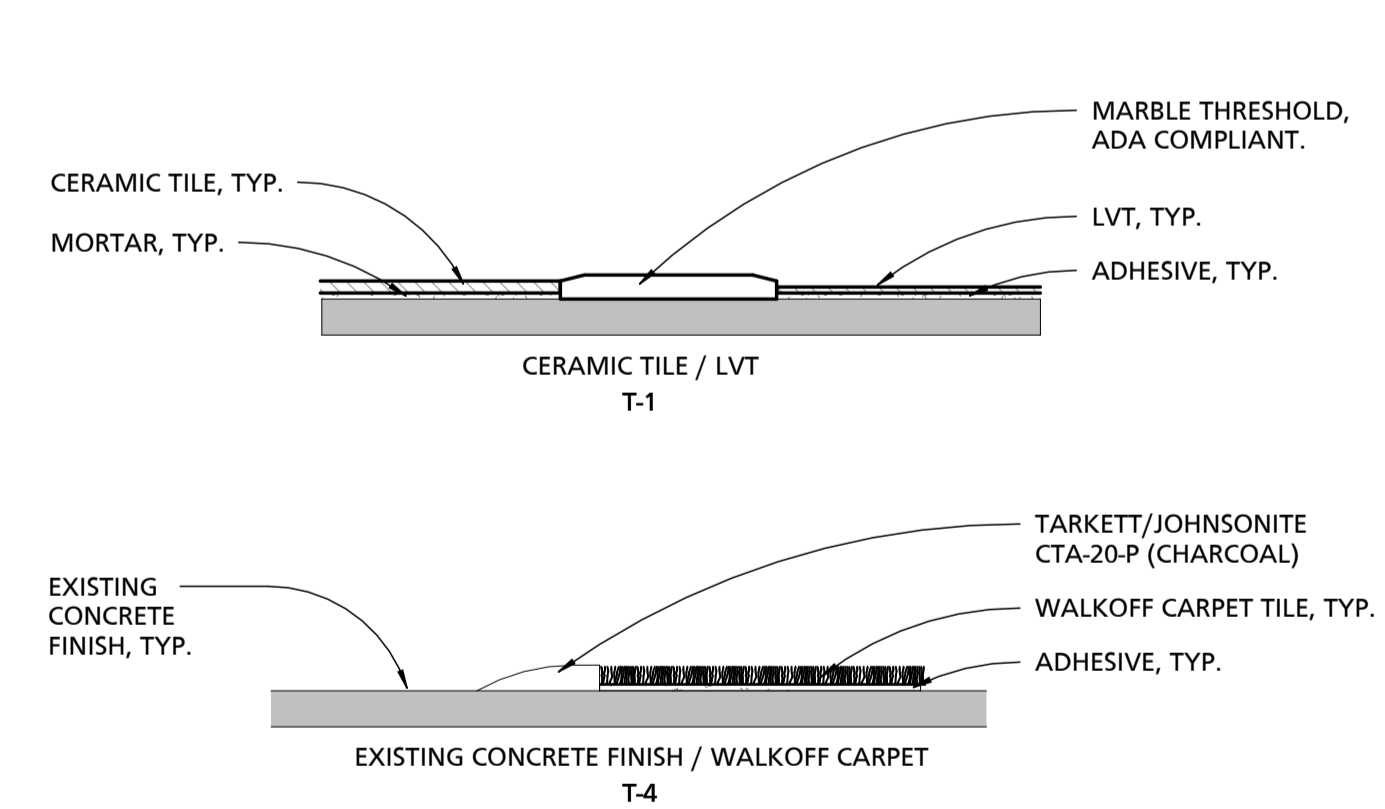
1 FLOOR DRAIN DETAIL
3" = 1'-0"



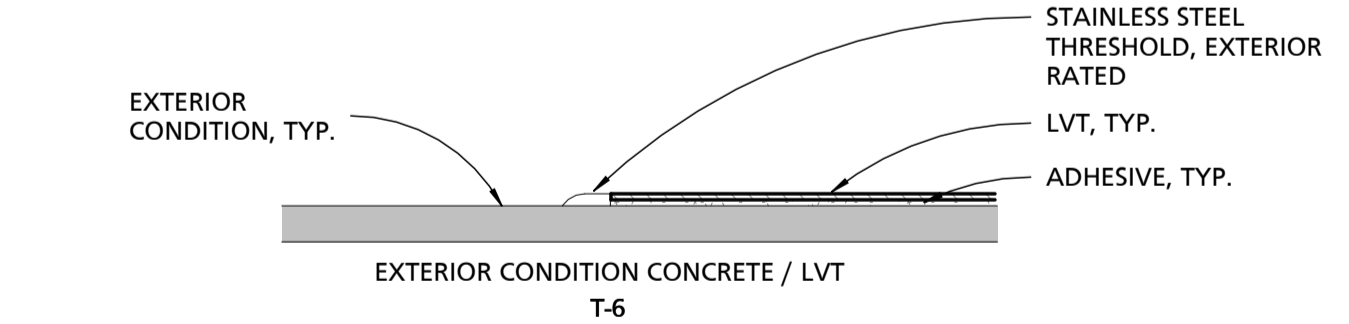
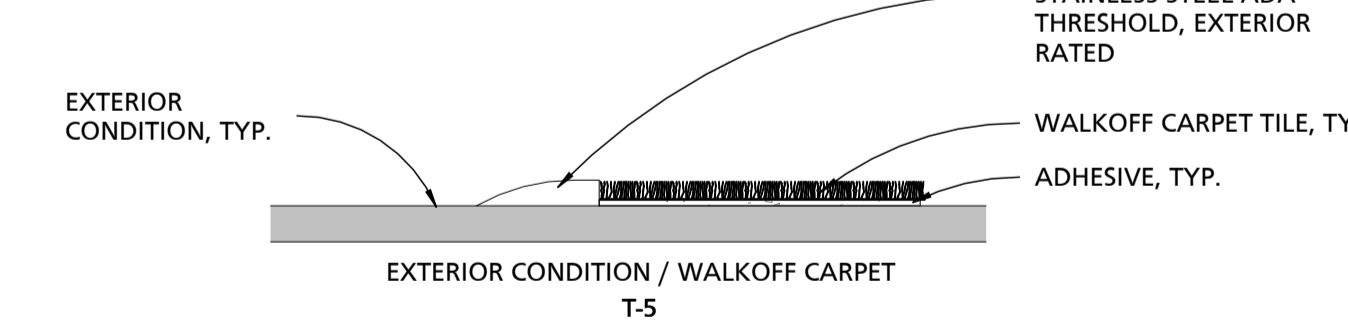
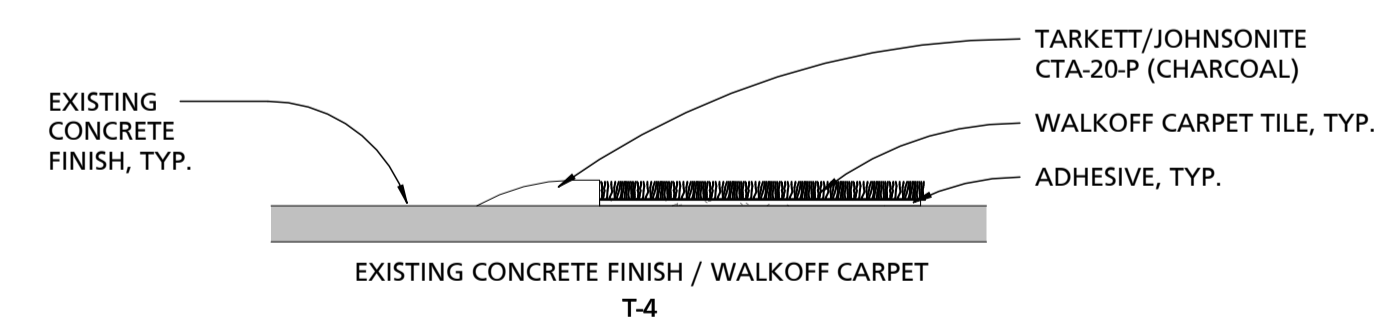
2 FLOOR AND WALL TILE DETAIL
3" = 1'-0"



3 TYPICAL TILE EDGE DETAILS
3" = 1'-0"



4 FLOORING TRANSITION DETAILS
3" = 1'-0"



SEAL	PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHIT	DRAWING SCALE	APPROVED BY: _____ DIRECTOR
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ARCHITECT: DAVID WOODWARD AIA PRINCIPAL ARCHITECT MANSON WOODWARD STUDIOS 10000 WILKINSON PIKE ROAD WHITE MARSH, MARYLAND 21152 (P) 410-346-1400	DGN BY: _____	BUREAU OF ENGINEERING AND CONSTRUCTION		HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	PROPERTY MANAGEMENT
	DWN BY: _____	REVIEWED BY: _____								APPROVED BY: _____ CHIEF
CHKD BY: _____	DATE REVIEWED: _____									DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE, PROPERTY MANAGEMENT

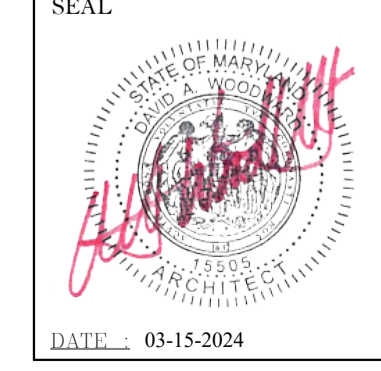
BCPL White Marsh
FINISH DETAILS
BID/PERMIT SET

8133 SANDPIPER CIRCLE
BALTIMORE, MD 21236

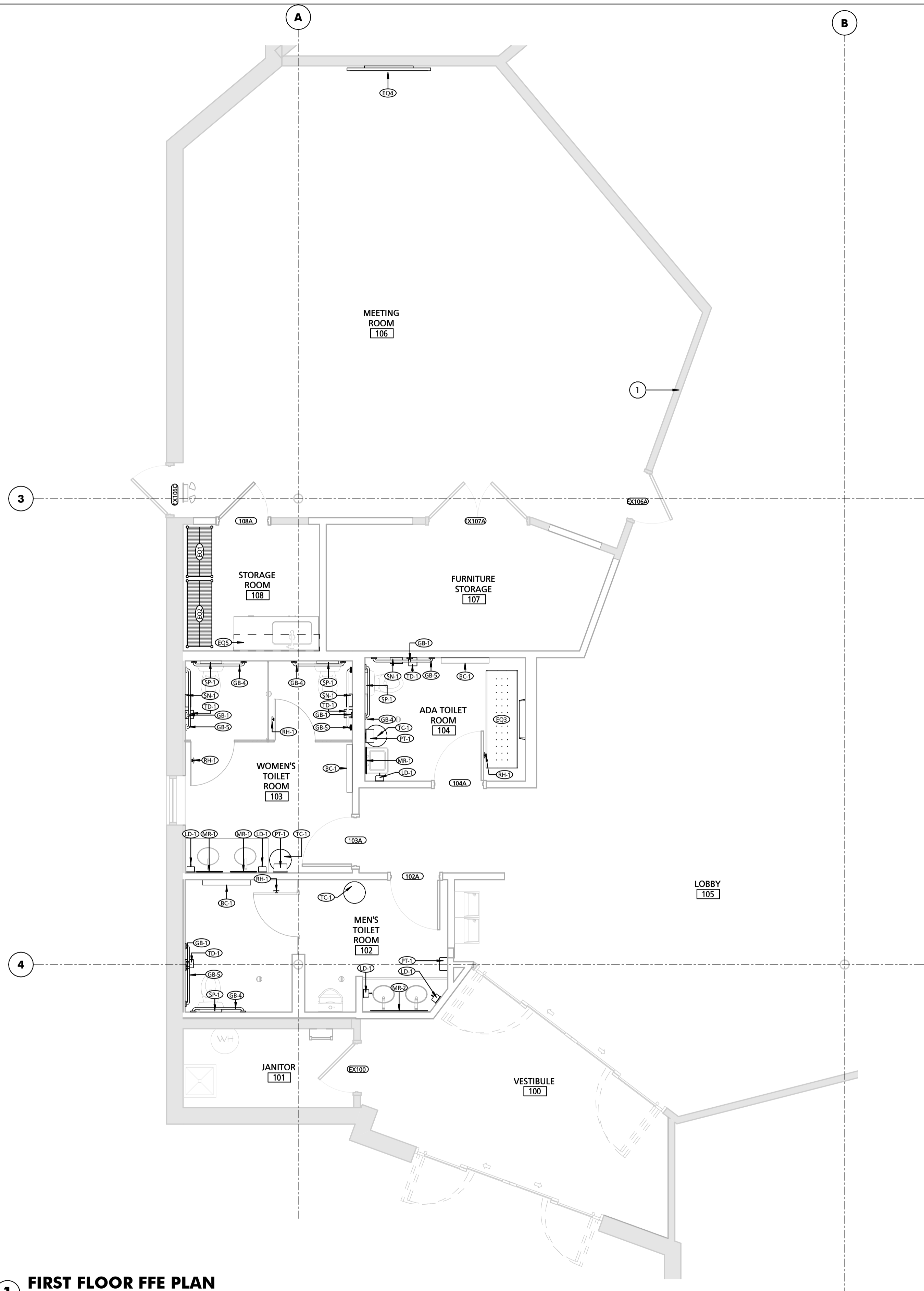
SUBDIVISION: _____

ELECTION DIST. NO.: _____

SHEET DESIGNATION	CONTRACT NUMBER
A104	24066 P00
JOB ORDER NUMBER	
10611599	
SHEET 10 OF 29	
DRAWING NUMBER	
2024-0335	
FILE NO.: 10611599	



DWG. ELEMENT: 10611599



1 FIRST FLOOR FFE PLAN
1/4" = 1'-0"

CEILING KEYNOTES	
NOTE #	NOTE
1	REINSTALL SALVAGED PASSPORT PHOTO SCREEN AND ACCESSORIES. COORDINATE WITH BCPL.

SCHEDULE - EQUIPMENT							
MARK	DESCRIPTION	BOD MANUFACTURER	BOD MODEL	OWNER FURNISH AND INSTALL	OWNER FURNISH CONTRACTOR INSTALL	CONTRACTOR FURNISH AND INSTALL	COMMENTS
EQ1	WIRE SHELVING		36X18			•	
EQ2	WIRE SHELVING		48X18			•	
EQ3	ADJUSTABLE HEIGHT ADULT CHANGING STATION	BOBRICK - KOALA KARE	KB3000-AHL			•	WALL MOUNTED, PROVIDE FULL HEIGHT IN-WALL BLOCKING AND SECURE PER MANUFACTURER'S RECOMMENDATIONS.
EQ4	TV MONITOR	N/A	N/A		•		WALL MOUNTED, PROVIDE IN-WALL BLOCKING BEHIND GYP BD AT MOUNTING LOCATION
EQ5	OPEN WIRE FIXED SHELVING	CLOSETMAID	5640			•	

SCHEDULE - TOILET ROOM ACCESSORIES				
MARK	DESCRIPTION	BOD MANUFACTURER	BOD MODEL	COMMENTS
BC-1	RECESSED BABY CHANGING STATION	BOBRICK	KB110-SSWM	
GB-1	18" VERTICAL GRAB BAR W/ CONCEALED MOUNTING	BOBRICK	B-6806-18	
GB-4	36" GRAB BAR W/ CONCEALED MOUNTING	BOBRICK	B-6806-36	
GB-5	42" GRAB BAR W/ CONCEALED MOUNTING	BOBRICK	B-6806-42	
LD-1	VERTICAL WALL MOUNTED SOAP DISPENSER	GOGO	9034	
MR-1	18" x 30" CHANNEL FRAMED MIRROR	BOBRICK	B-165 1830	
MR-2	40" x 30" CHANNEL FRAMED MIRROR	ELEGANT LIGHTING	MR43040S	
PT-1	ESSENTIAL HIGH CAPACITY HARD ROLL TOWEL DISPENSER	SCOTT	46253	
RH-1	DOUBLE ROBE HOOK	AMERICAN SPECIALTIES	7345	
SN-1	SURFACE MOUNTED SANITARY WASTE RECEPTACLE	RUBBERMAID	6140	
SP-1	SEAT COVER DISPENSER	WINCO	TSC10	<varies>
TC-1	22 GALLON FREE STANDING WASTE RECEPTACLE	RUBBERMAID	55824	
TD-1	TWIN JUMBO ROLL TOILET PAPER DISPENSER	TORK	SC-56TR	

SEAL	PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHIT	DRAWING SCALE	APPROVED BY: _____ DIRECTOR
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	ARCHITECT:	DGN BY:	BUREAU OF ENGINEERING AND CONSTRUCTION	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	PROPERTY MANAGEMENT
	DAVID WOODWARD, AIA PRINCIPAL ARCHITECT	DWN BY:								CHIEF
	MANN'S WOODWARD STUDIOS 10800 WILKINSON ROAD WHITE MARSH, MARYLAND 21152 (P) 410-346-9400	CHKD BY:								

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE, PROPERTY MANAGEMENT

BCPL White Marsh
FFE PLAN & SCHEDULE
BID/PERMIT SET

8133 SANDPIPER CIRCLE
BALTIMORE, MD 21236

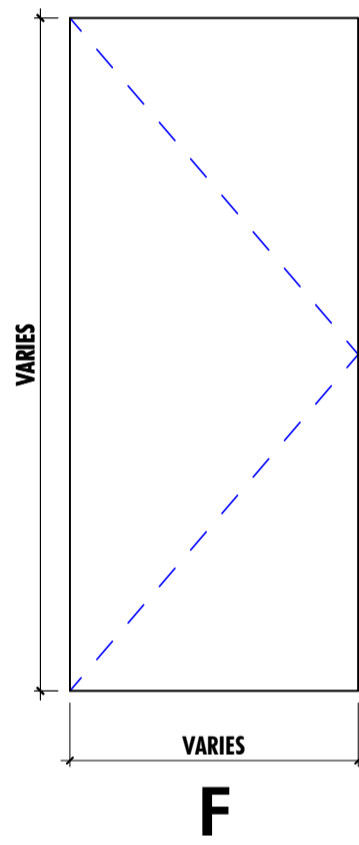
ELECTION DIST. NO.:

SHEET DESIGNATION	CONTRACT NUMBER
A105	24066 P00
JOB ORDER NUMBER	
10611599	
SHEET 11 OF 29	
DRAWING NUMBER	
2024-0336	
FILE NO: 10611599	



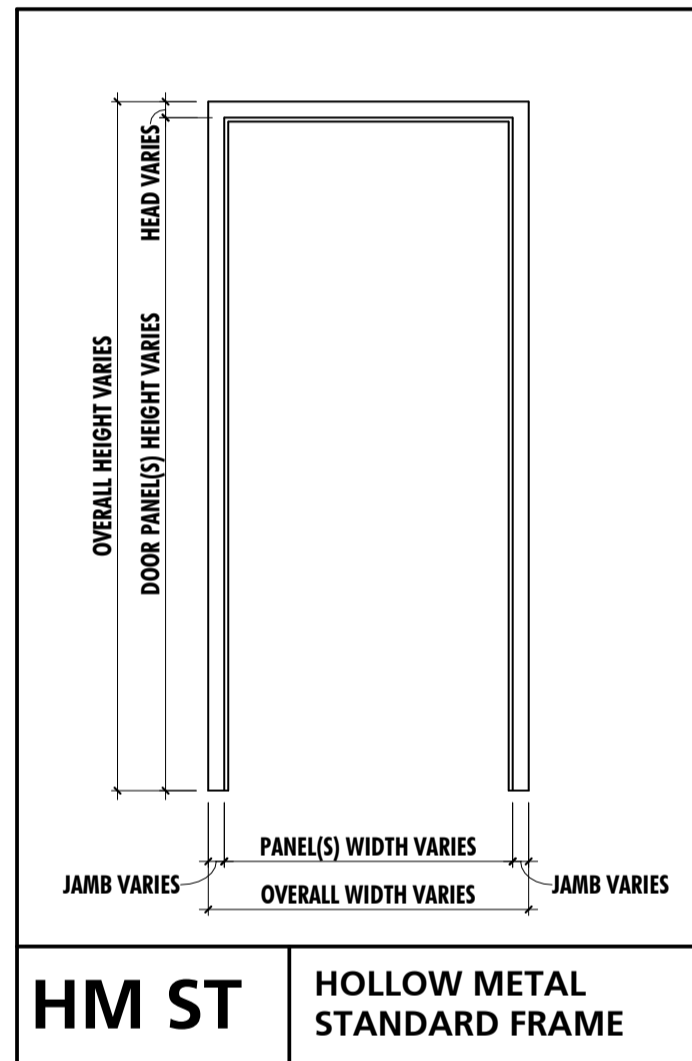
DWG. ELEMENT: 10611599

SCHEDULE - DOOR																	
MARK	DOOR PANEL					FRAME TYPE	SIZE SUMMARY		FRAME PROFILE SUMMARY				DETAILS		HARDWARE SET	COMMENTS	
	SIZE	TYPE	THICKNESS	MATERIAL	FINISH		OVERALL HEIGHT	OVERALL WIDTH	DEPTH	THROAT	HEAD	JAMB	FINISH	HEAD			JAMB
102A	3'-0" x 7'-0"	PANEL : F	1 3/4"	SCWD	STAINED	HM ST	7'-2"	3'-4"	5 7/8"	4 7/8"	2"	2"	P-2	H1	J1	01	MATCH EXISTING STAINED DOORS
103A	3'-0" x 7'-0"	PANEL : F	1 3/4"	SCWD	STAINED	HM ST	7'-2"	3'-4"	5 7/8"	4 7/8"	2"	2"	P-2	H1	J1	01	MATCH EXISTING STAINED DOORS
104A	3'-0" x 7'-0"	PANEL : F	1 3/4"	SCWD	STAINED	HM ST	7'-2"	3'-4"	5 7/8"	4 7/8"	2"	2"	P-2	H1	J1	02	MATCH EXISTING STAINED DOORS
108A	3'-0" x 7'-0"	PANEL : F	1 3/4"	SCWD	P-2	HM ST	7'-2"	3'-4"	5 7/8"	4 7/8"	2"	2"	P-2	H1	J1	03	
EX100	3'-0" x 7'-0"	PANEL : F	1 3/4"	EXISTING	P-2	HM ST	7'-2"	3'-4"	5 7/8"	4 7/8"	2"	2"	P-2	EXISTING	EXISTING	EXISTING	
EX106A	3'-0" x 7'-0"	PANEL : F	1 3/4"	EXISTING	P-2	HM ST	7'-2"	3'-4"	5 7/8"	4 7/8"	2"	2"	P-2	EXISTING	EXISTING	EXISTING	
EX106C	3'-0" x 7'-0"	PANEL : F	1 3/4"	EXISTING	P-2	HM ST	7'-2"	3'-4"	5 7/8"	4 7/8"	2"	2"	P-2	EXISTING	EXISTING	EXISTING	
EX107A	(2) 3'-0" x 7'-0"	PANEL : F	1 3/4"	EXISTING	P-2	HM ST	7'-2"	6'-4"	5 7/8"	4 7/8"	2"	2"	P-2	EXISTING	EXISTING	EXISTING	



- SEE DOOR SCHEDULE FOR ACTUAL PANEL DIMENSIONS.
- NOT ALL PANEL TYPES MAY BE USED IN THIS PROJECT. SEE DOOR SCHEDULE.
- DIMENSIONS FOR GLAZING INDICATED SHALL CONSTITUTE THE FULL GLAZING WIDTH.
- SEE STOREFRONT ELEVATIONS FOR CURTAIN WALL / STOREFRONT ENTRANCE

DOOR PANEL TYPES
1/2" = 1'-0"

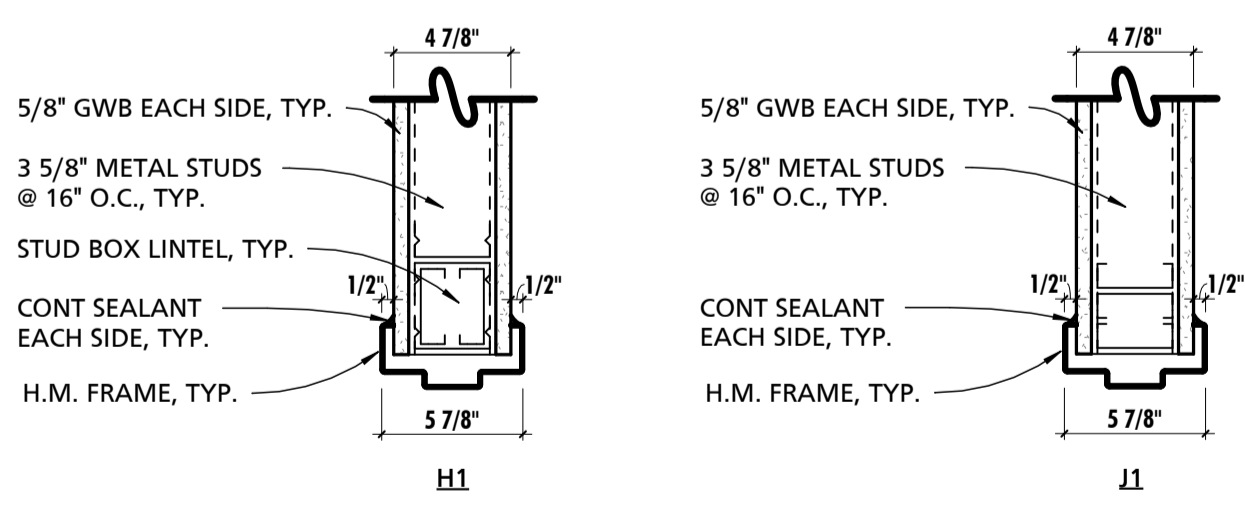


1.) SEE DOOR SCHEDULE FOR FRAME DIMENSION VARIABLES

FRAME TYPES
1/2" = 1'-0"

Interior Toilet Room Door - Single Leaf									
Doors: 102A, 103A									
Set 01	3	Hinge							
	1	Pull							
	1	Push Plate							
	1	Surface Mount Closer						Heavy Duty Standard Arm with Hold Open	
	1	Perimeter Seal							
	2	Kick Plates							1-1/2" LDW
1	Wall Stop								
Interior Toilet Room Door - Single Leaf									
Door: 104A									
Set 02	3	Hinge							
	1	Mortise Lockset						Privacy Function (ANSI F19) with 2 sided indicator trim	
	1	Surface Mount Closer						Heavy Duty Standard Arm	
	1	Perimeter Seal							
	2	Kick Plates							1-1/2" LDW
	1	Wall Stop							
1	Hook								
Interior Storage Room Door - Single Leaf									
Door: 108A									
Set 03	3	Hinge							
	1	Mortise Lockset						Storeroom Function (ANSI F07)	
	1	Perimeter Gasketing							
	2	Kick Plates							1-1/2" LDW
1	Wall Stop								

DOOR HARDWARE



1 INTERIOR DOOR DETAILS
1 1/2" = 1'-0"

GENERAL DOOR NOTES	
NOTE #	NOTE
1	CONTRACTOR SHALL FIELD VERIFY ALL EXISTING OPENINGS/MODIFIED OPENINGS PRIOR TO FABRICATION OF DOORS AND FRAMES.
2	DETAILS MAY VARY AT EACH DOOR. VERIFY EACH CONDITION IN FIELD.
3	SEE PARTITION SCHEDULE AND FLOOR PLAN FOR CONSTRUCTION OF WALLS AND PARTITIONS.
4	NEW FRAMES IN EXISTING OPENINGS SHALL RECEIVE COUNTER SUNK MASONRY EXPANSION JAMB ANCHORS, 1/2" DIAMETER, IN LIEU OF MASONRY WIRE JAMB ANCHORS.
5	ALL DOORS SHALL BE SET WITHIN OPENINGS TO ENSURE ADA APPROACH COMPLIANCE AS INDICATED ON SHEET G002.
6	AT WALLS WITH SOUND ATTENUATION BLANKETS, CONTRACTOR SHALL SEAL DOOR FRAMES, GLAZED OPENING FRAMES, INTERSECTIONS, AND OTHER PENETRATIONS WITH ACOUSTICAL SEALANT.

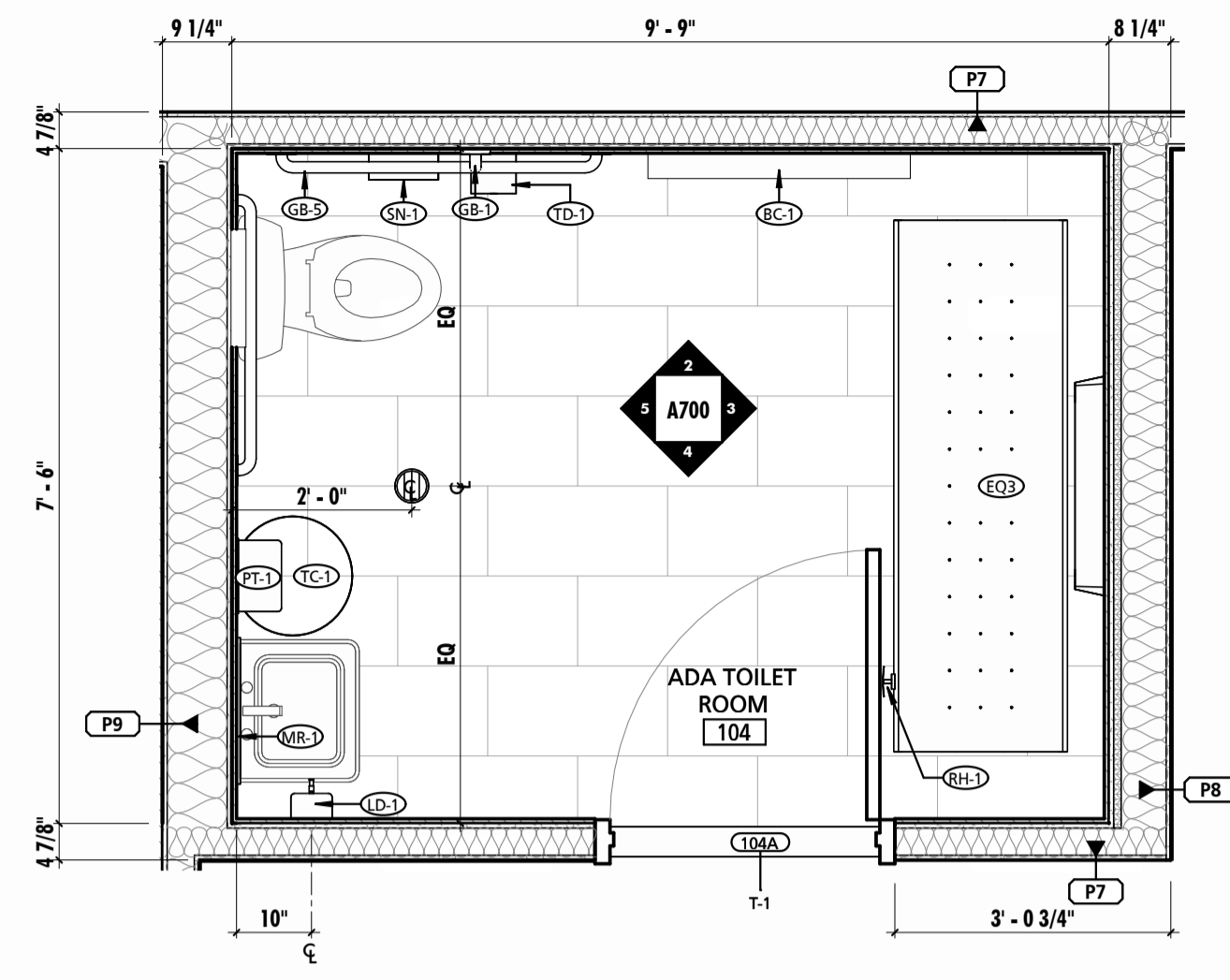
SEAL	PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHIT	DRAWING SCALE	APPROVED BY:	DIRECTOR
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	ARCHITECT: DAVID WOODWARD, AIA, PRINCIPAL ARCHITECT MANSUR WOODWARD STUDIOS 10000 PHILADELPHIA ROAD WHITE MARSH, MARYLAND 21152 (P) 410-361-9400	BUREAU OF ENGINEERING AND CONSTRUCTION				HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER
	DGN BY: _____ DWN BY: _____ CHKD BY: _____	REVIEWED BY:								PROPERTY MANAGEMENT
		DATE REVIEWED:								CHIEF

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE, PROPERTY MANAGEMENT
BCPL White Marsh
DOOR SCHEDULE & DETAILS
BID/PERMIT SET
8133 SANDPIPER CIRCLE
BALTIMORE, MD 21236

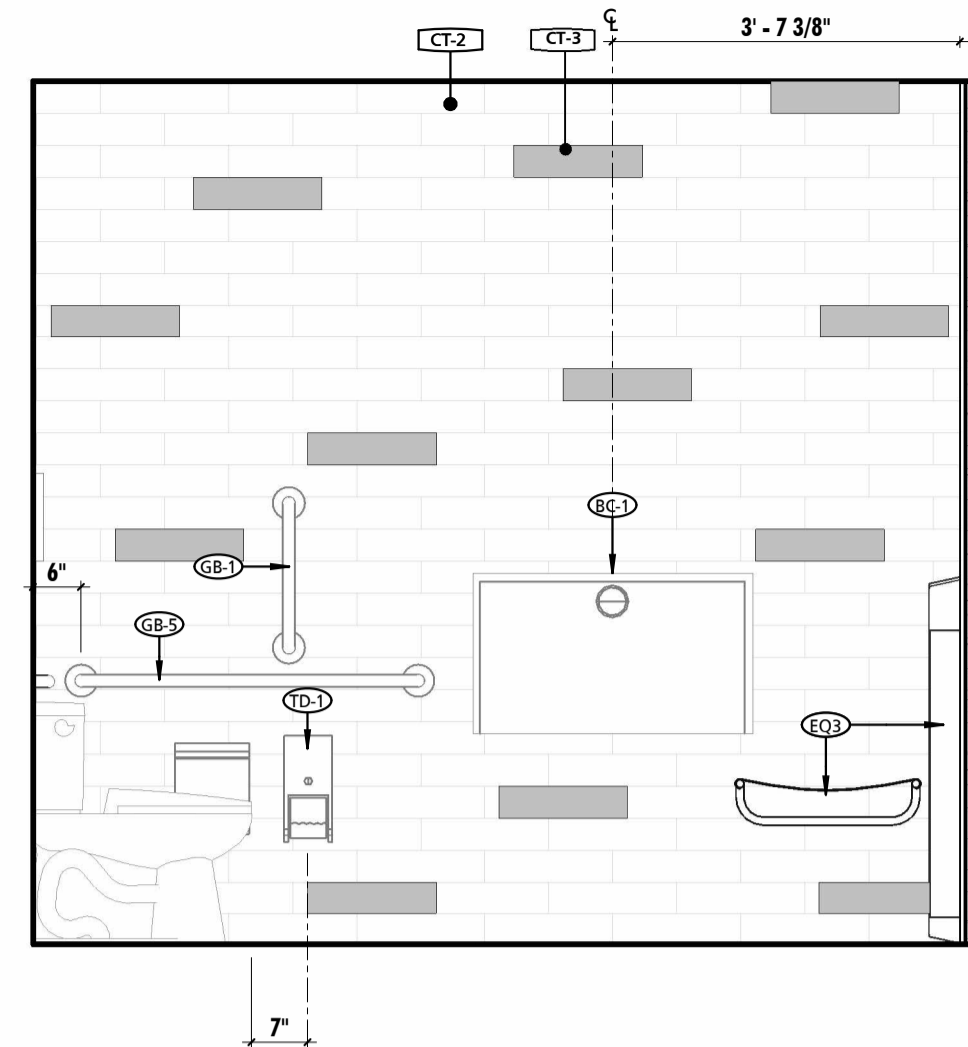
SHEET DESIGNATION	CONTRACT NUMBER
A600	24066 P00
	JOB ORDER NUMBER
	10611599
	SHEET 12 OF 29
	DRAWING NUMBER
	2024-0337
	FILE NO.: 10611599



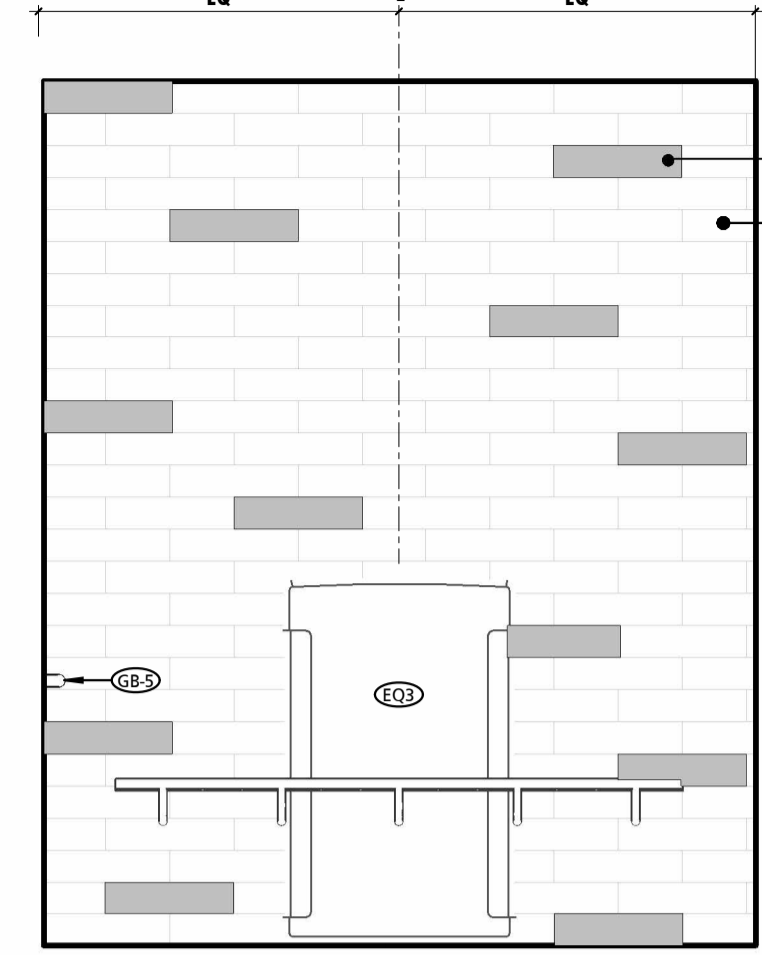
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DWG.
ELEMENT



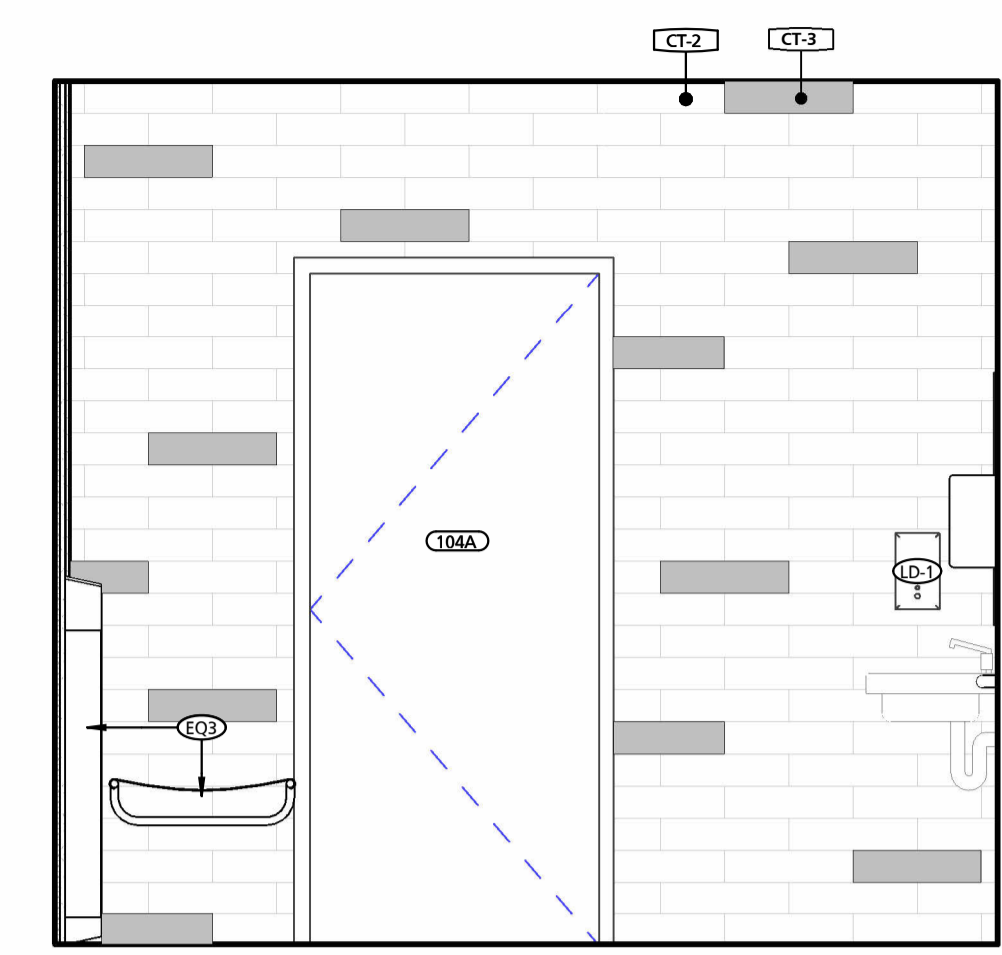
1 ADA RESTROOM 104 ENLARGED PLAN
1/2" = 1'-0"



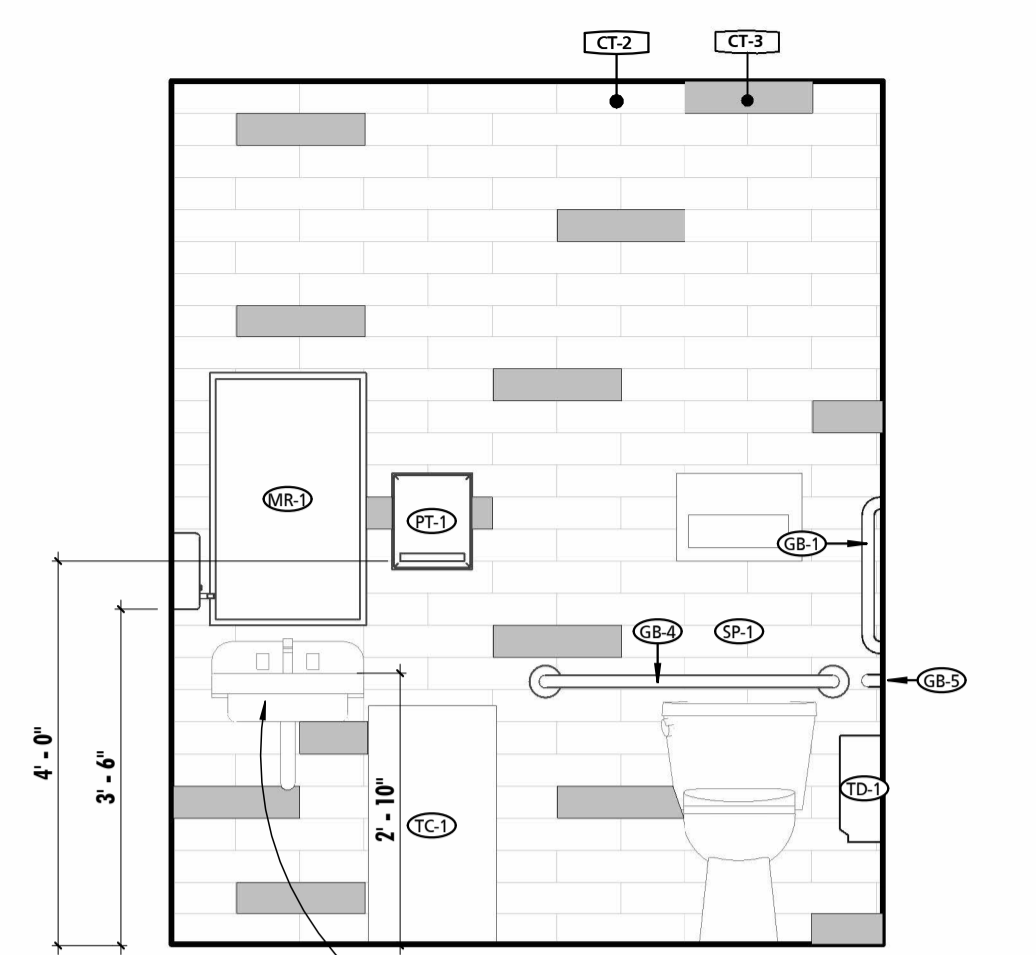
2 ADA RESTROOM - 104 NORTH
1/2" = 1'-0"



3 ADA RESTROOM 104 - EAST
1/2" = 1'-0"

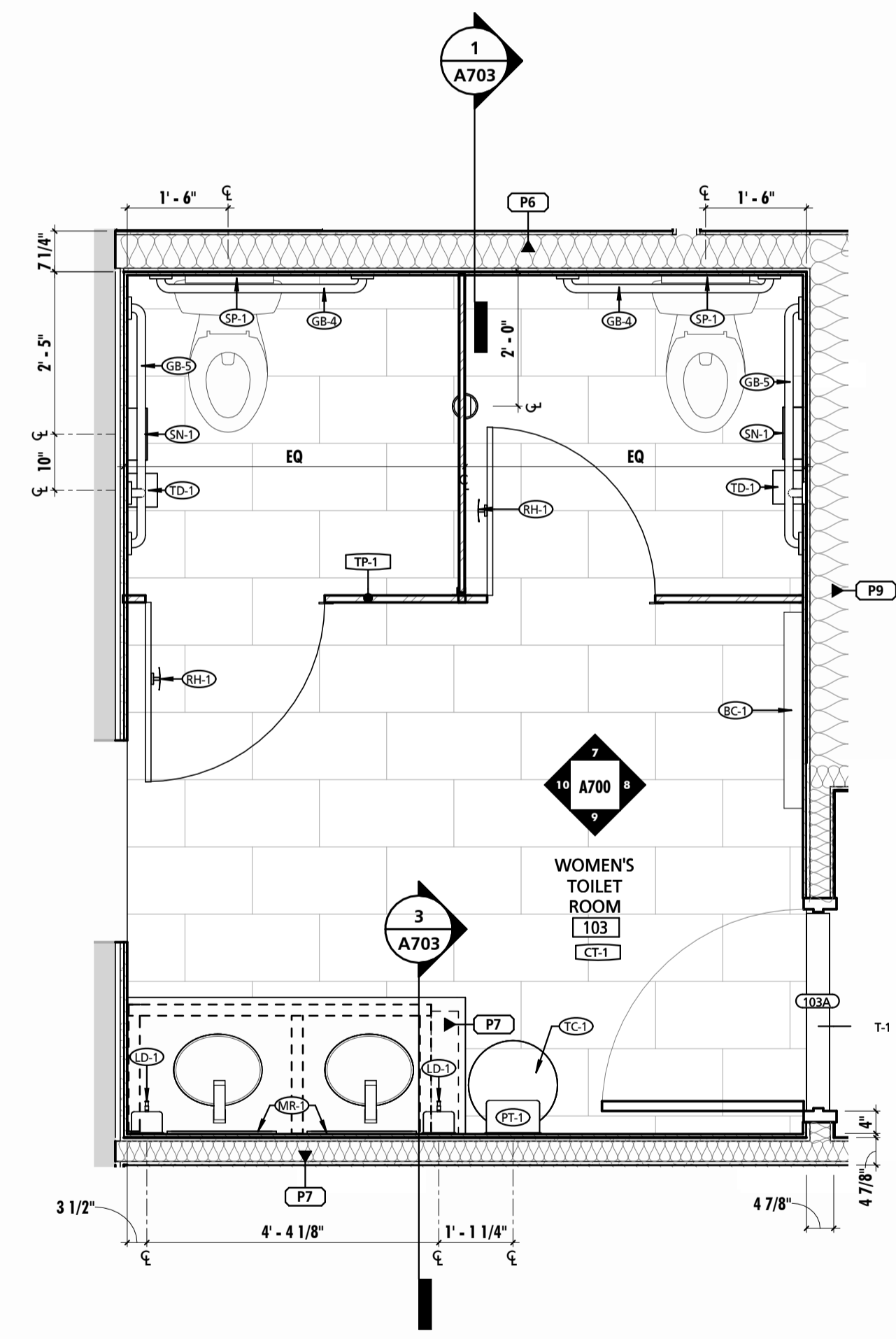


4 ADA RESTROOM 104 - SOUTH
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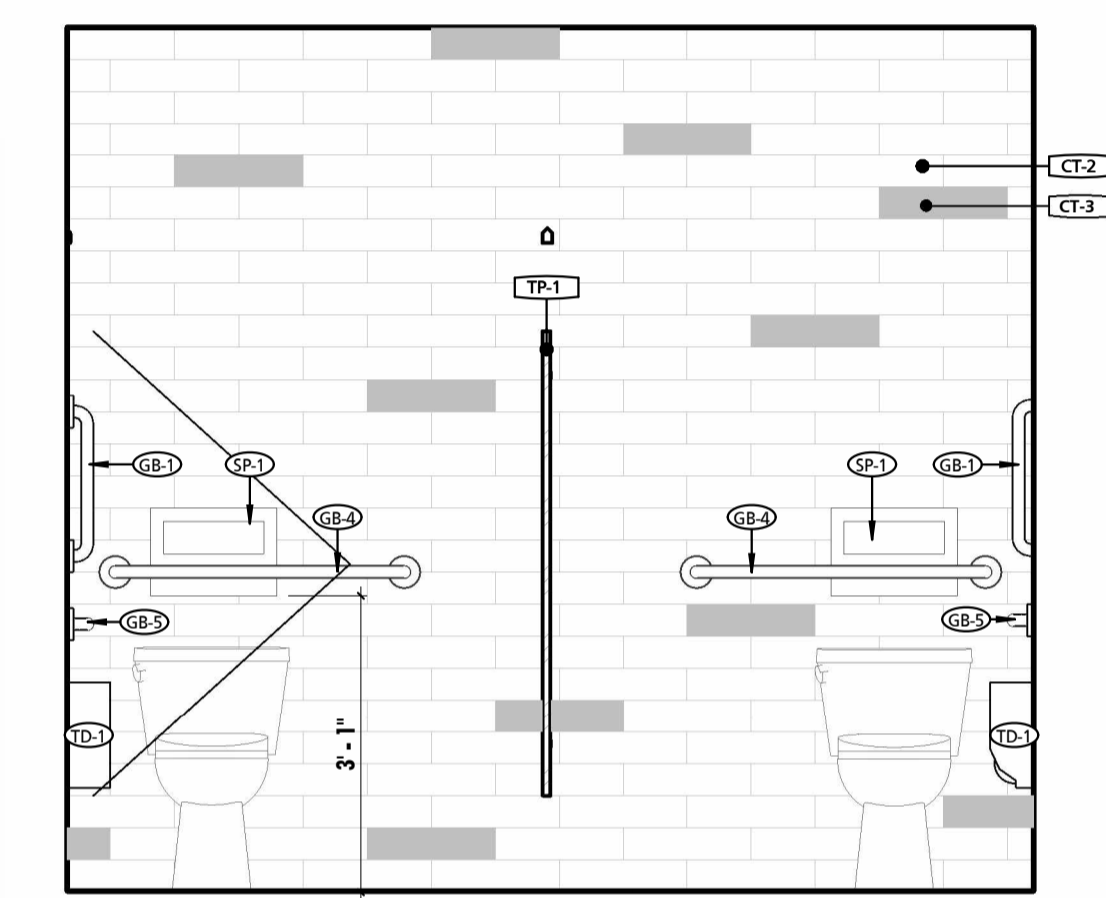


5 ADA RESTROOM 104 - WEST
1/2" = 1'-0"

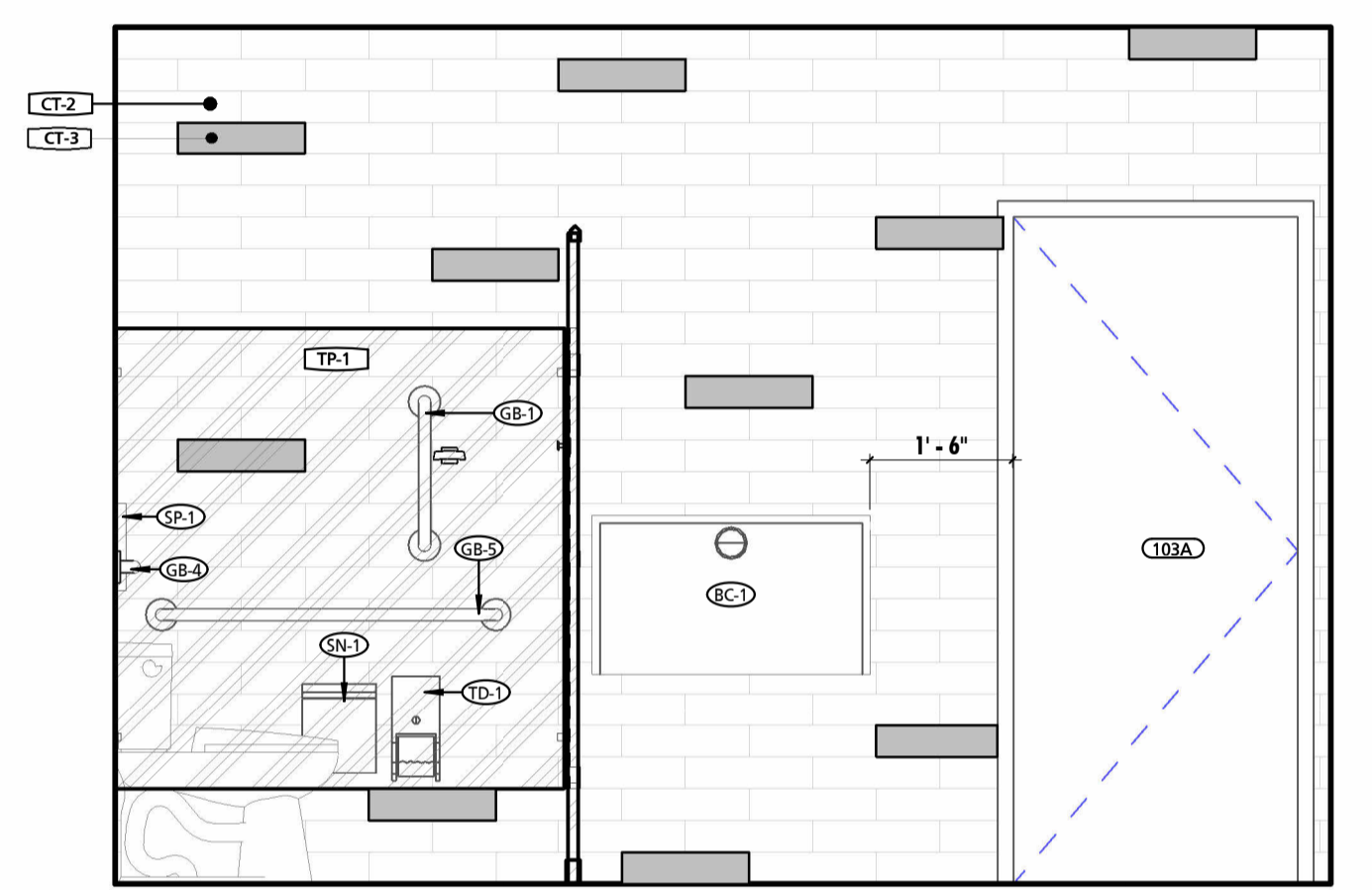
SUPPLY LAVATORY CARRIERS AT SINK



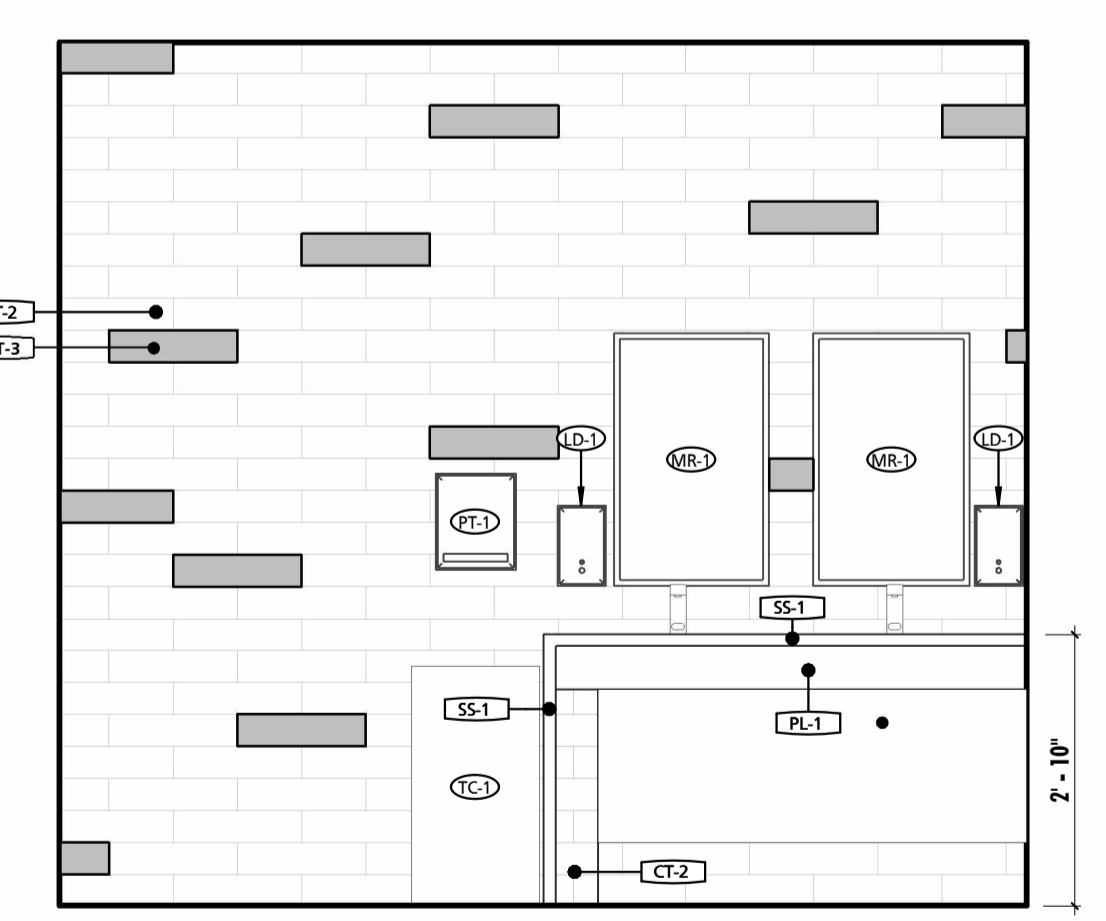
6 RESTROOM 103 ENLARGED PLAN
1/2" = 1'-0"



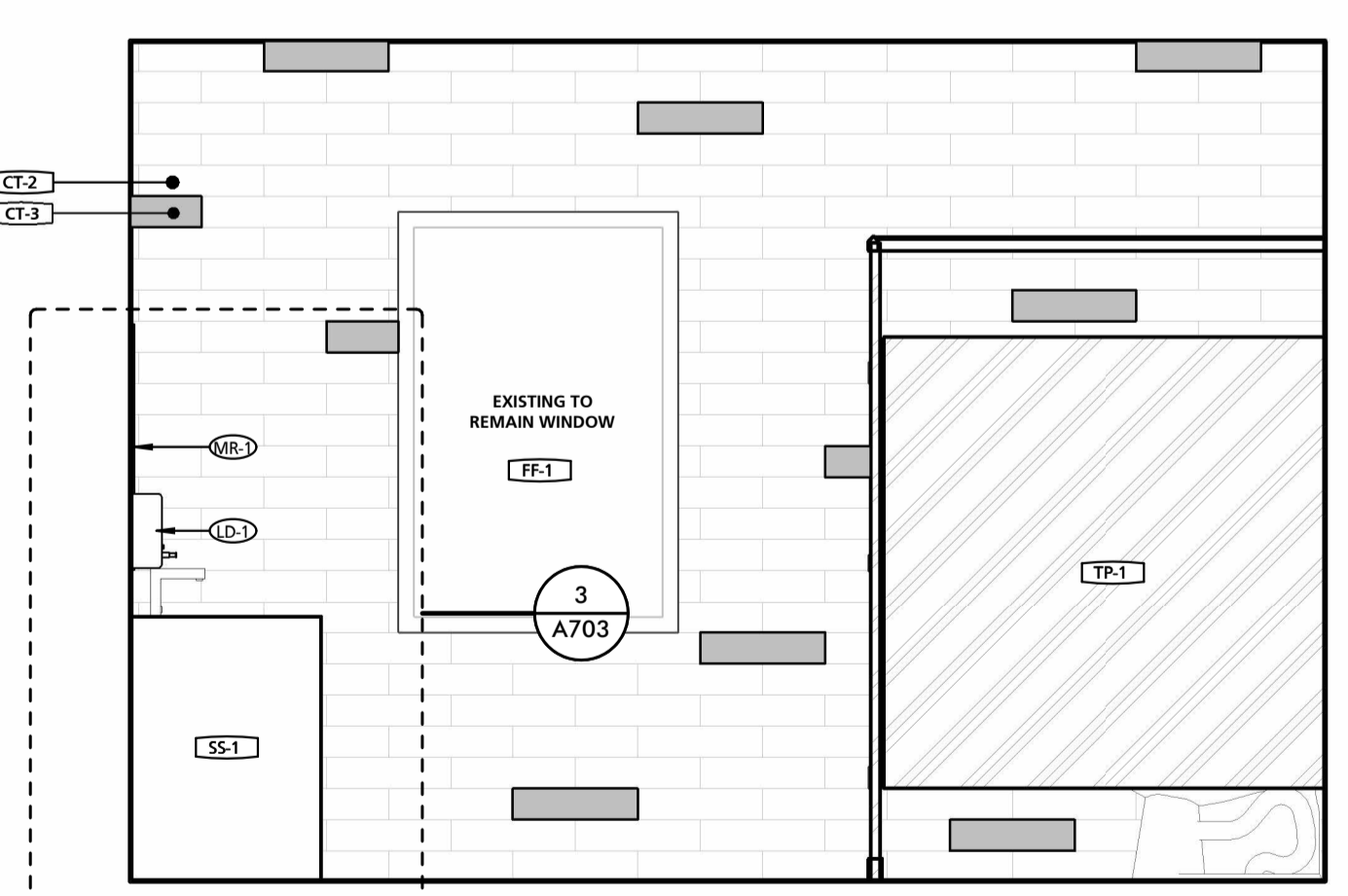
7 WOMEN'S RESTROOM 103 - NORTH
1/2" = 1'-0"



8 WOMEN'S RESTROOM 103 - EAST
1/2" = 1'-0"



9 WOMEN'S RESTROOM 103 - SOUTH
1/2" = 1'-0"



10 WOMEN'S RESTROOM 103 - WEST
1/2" = 1'-0"

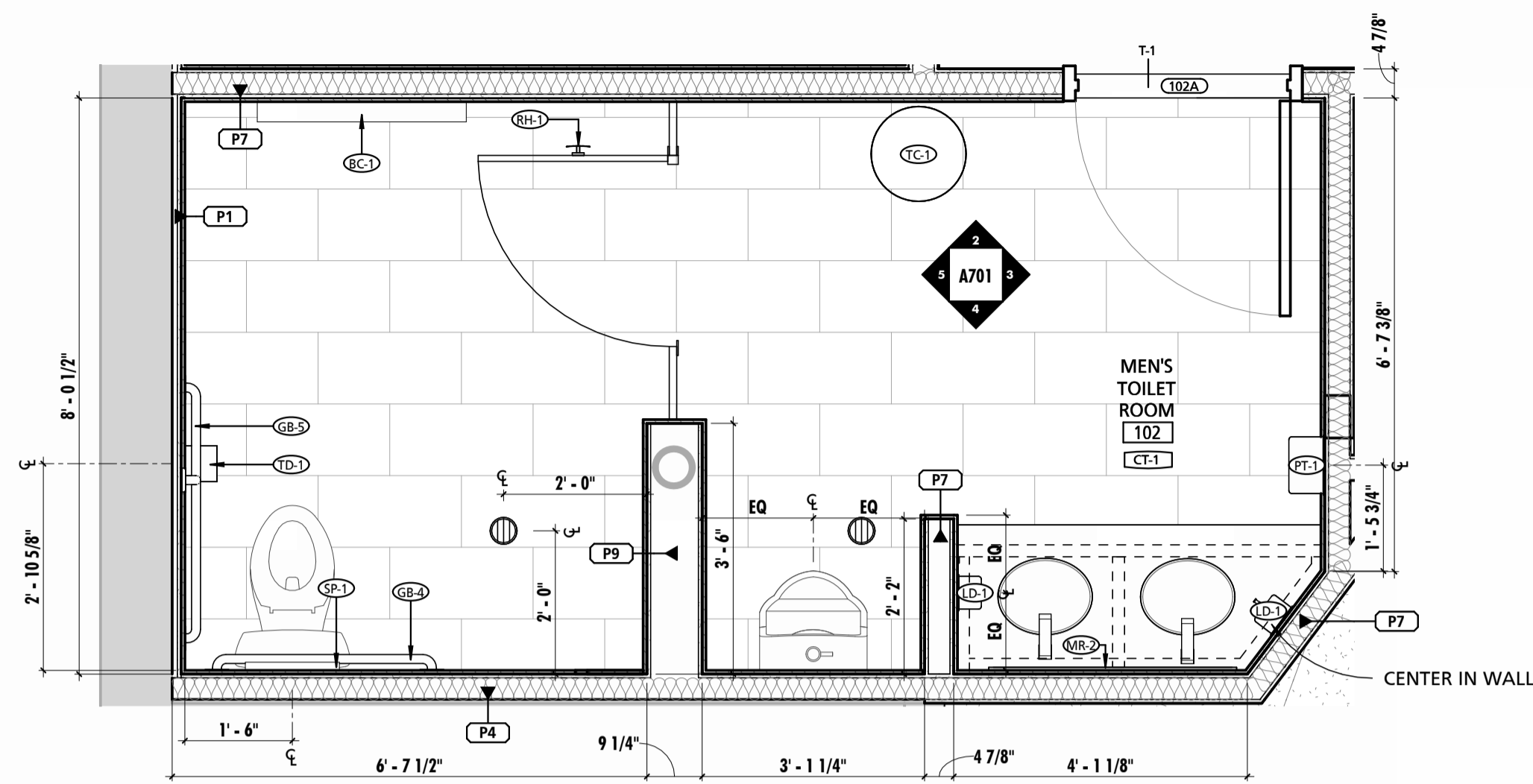
SEAL	PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHIT	DRAWING SCALE	APPROVED BY: _____ DIRECTOR
	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 15505 EXPIRATION DATE: 08-18-2024		BID/PERMIT SET		08.15.24	-			PLAN SCALE: As indicated	
ARCHITECT: DAVID WOODWARD AIA PRINCIPAL ARCHITECT MANS WOODWARD STUDIOS 10802 WILKINSON PIKE ROAD WHITE MARSH, MARYLAND 21152 (P) 410-346-1400	DGN BY: _____	BUREAU OF ENGINEERING AND CONSTRUCTION	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	PROPERTY MANAGEMENT	APPROVED BY: _____ CHIEF
	DWN BY: _____	REVIEWED BY: _____								
DATE: 03-15-2024	CHKD BY: _____	DATE REVIEWED: _____								

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE, PROPERTY MANAGEMENT
 BCPL White Marsh
 ENLARGED PLANS & ELEVATIONS
 BID/PERMIT SET
 8133 SANDPIPER CIRCLE
 BALTIMORE, MD 21236

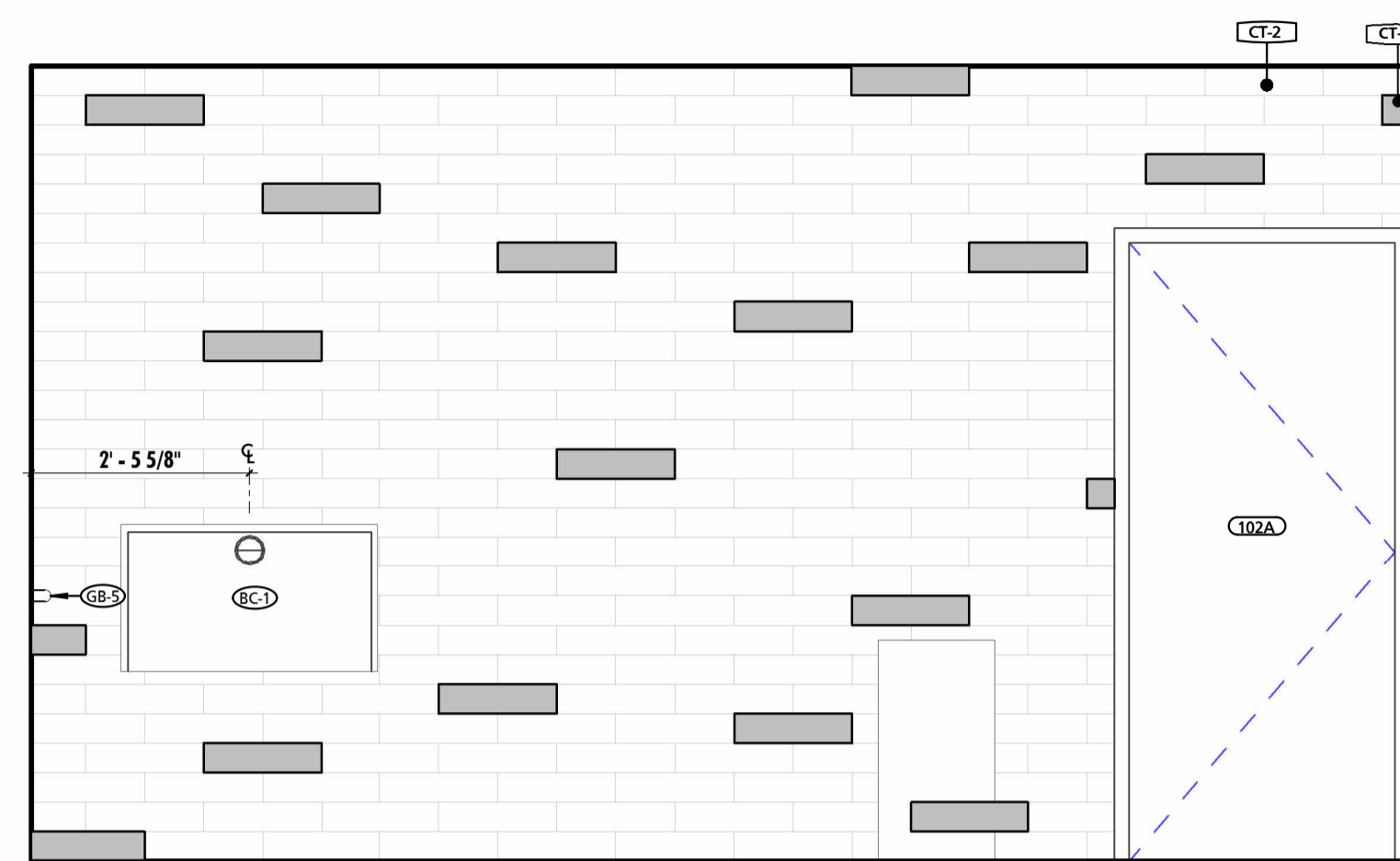
SHEET DESIGNATION	CONTRACT NUMBER
A700	24066 PO0
	JOB ORDER NUMBER
	10611599
	SHEET 13 OF 29
	DRAWING NUMBER
	2024-0338
	FILE NO.: 10611599



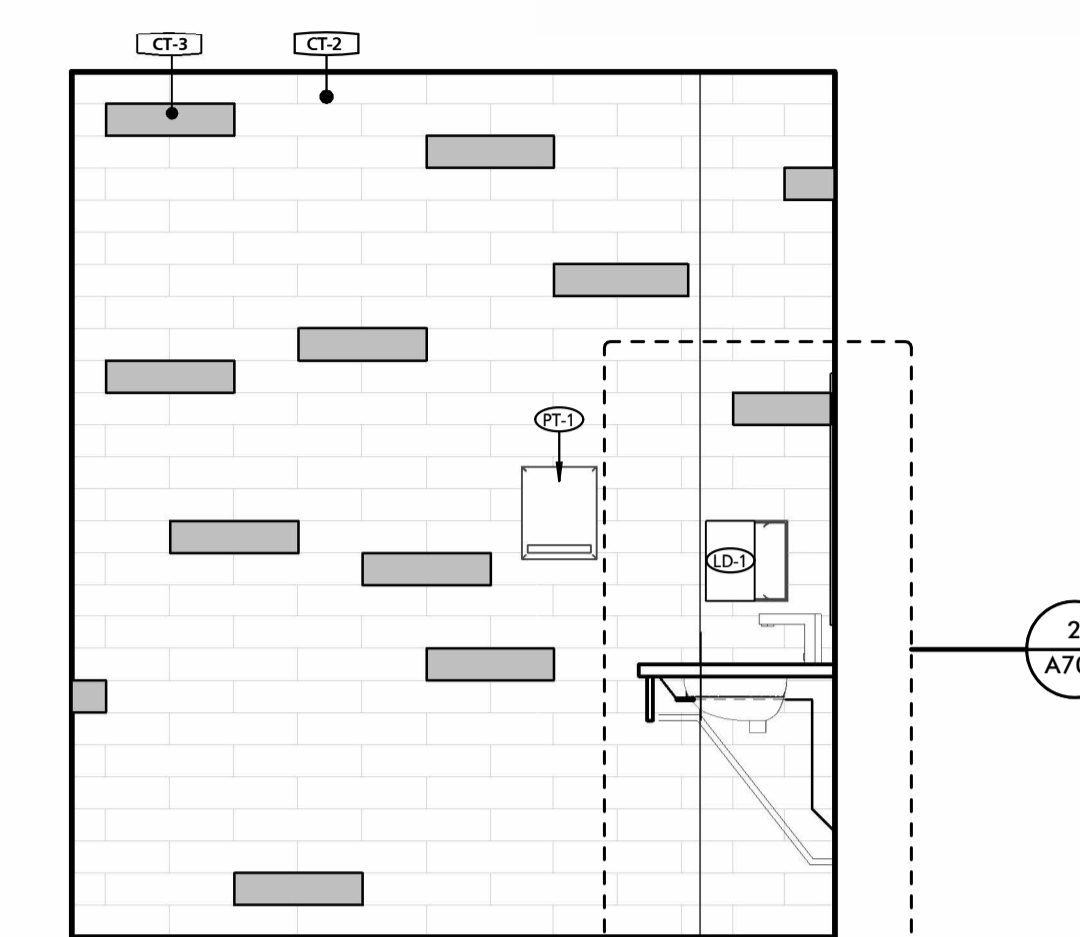
DWG. ELEMENT: 10611599



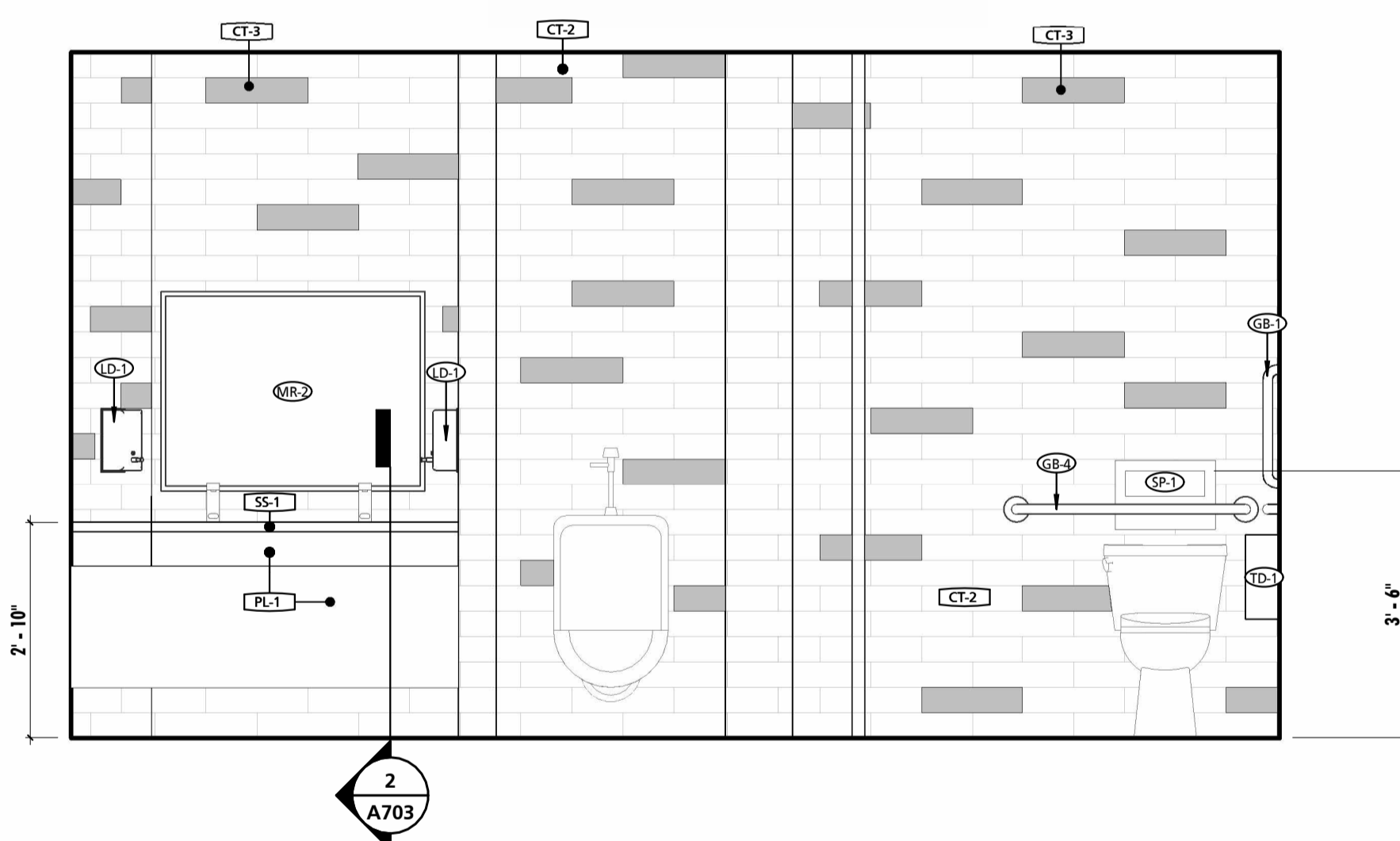
1 RESTROOM 102 ENLARGED PLAN
1/2" = 1'-0"



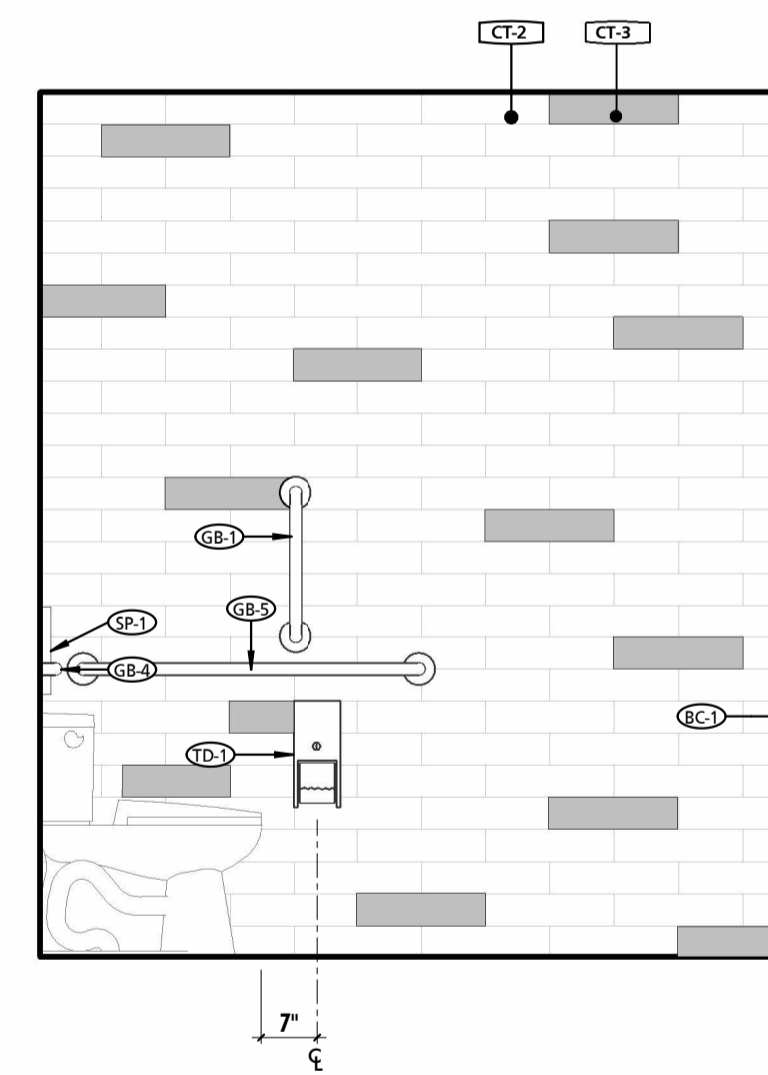
2 RESTROOM 102 - NORTH
1/2" = 1'-0"



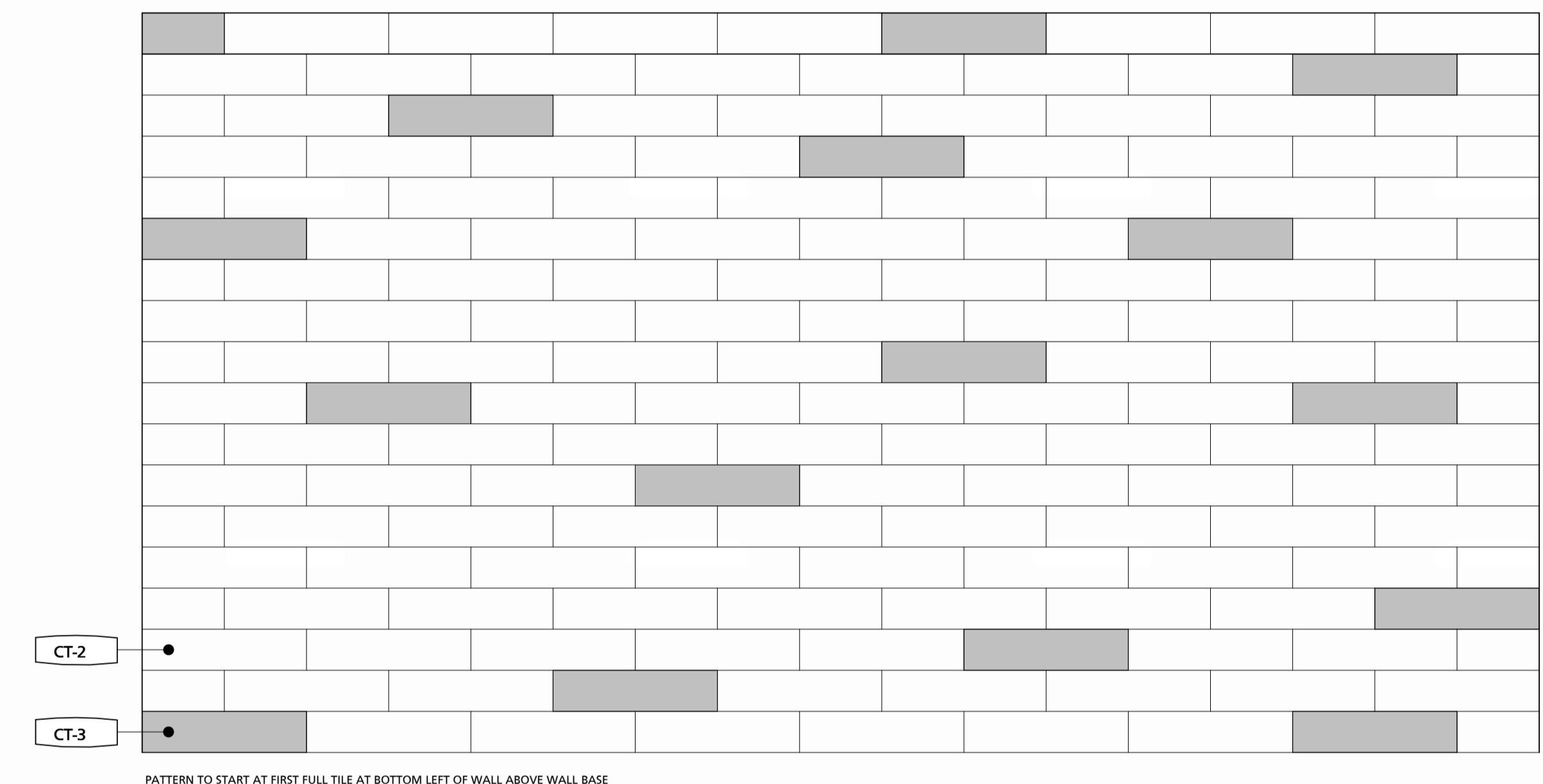
3 RESTROOM 102 - EAST
1/2" = 1'-0"



4 RESTROOM 102 - SOUTH
1/2" = 1'-0"



5 RESTROOM 102 - WEST
1/2" = 1'-0"



6 FIELD WALL TILE PATTERN
1" = 1'-0"

SEAL	PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHIT	DRAWING SCALE	APPROVED BY:	DIRECTOR
	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 15505 EXPIRATION DATE: 08-18-2024	BID/PERMIT SET		08.15.24	-	-	-	PLAN SCALE: As indicated		
								PROFILE SCALE: -		
	ARCHITECT: DAVID WOODWARD AIA PRINCIPAL ARCHITECT MANSS WOODWARD STUDIOS 10800 PULASKI PIKE ROAD WHITE MARSH, MARYLAND 21152 (P) 301-340-1400	BUREAU OF ENGINEERING AND CONSTRUCTION HIGHWAYS STRUCTURES STORM DRAINS SEWER WATER FIELD ENGINEER								PROPERTY MANAGEMENT
	DGN BY: _____ DWN BY: _____ CHD BY: _____	REVIEWED BY: _____ DATE REVIEWED: _____								CHIEF

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE, PROPERTY MANAGEMENT

BCPL White Marsh
ENLARGED PLANS & ELEVATIONS
BID/PERMIT SET

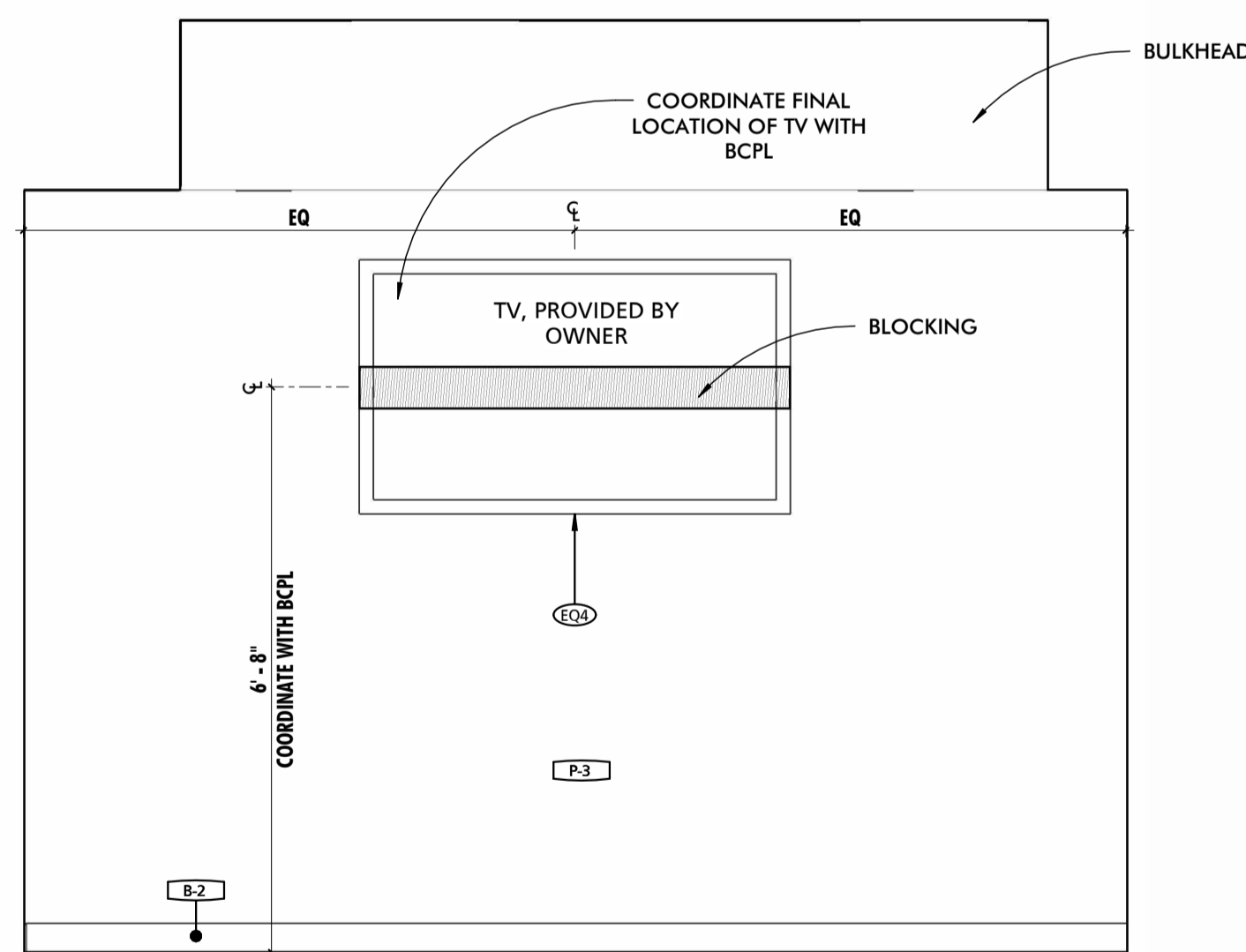
8133 SANDPIPER CIRCLE
BALTIMORE, MD 21236

ELECTION DIST. NO.:

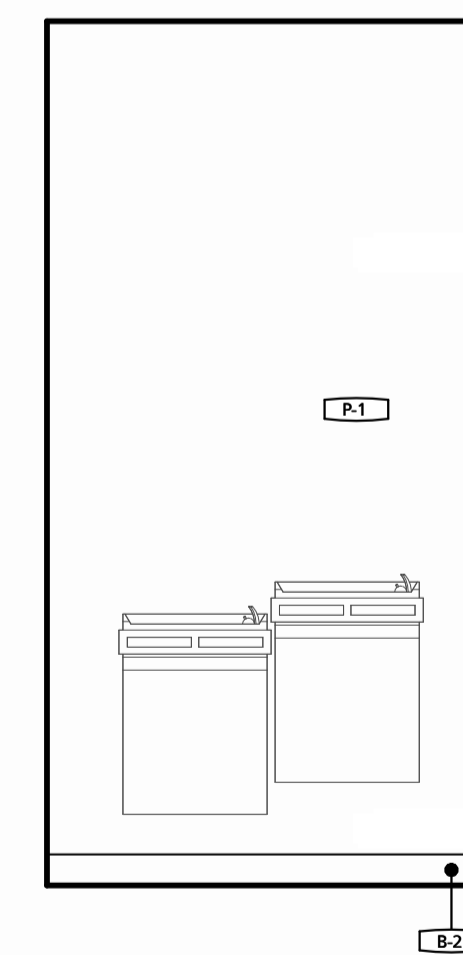
SHEET DESIGNATION	CONTRACT NUMBER
A701	24066 P00
	JOB ORDER NUMBER
	10611599
	SHEET 14 OF 29
	DRAWING NUMBER
	2024-0339
	FILE NO.: 10611599



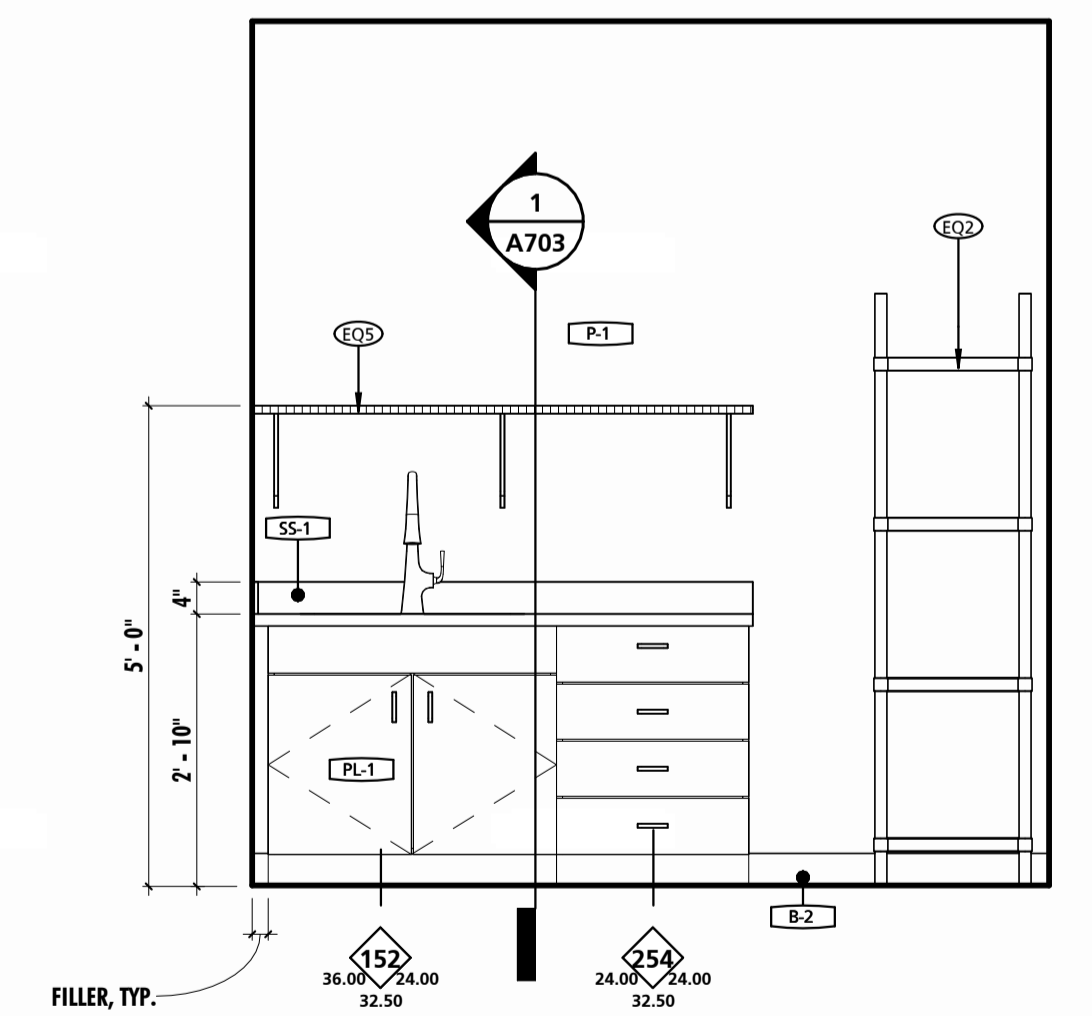
DWG. ELEMENT



1 MEETING ROOM - NORTH
1/2" = 1'-0"



2 LOBBY DRINKING FOUNTAIN - WEST
1/2" = 1'-0"



3 STORAGE 105 - SOUTH
1/2" = 1'-0"

SEAL	PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHIT	DRAWING SCALE	APPROVED BY: _____ DIRECTOR				
	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 15505 EXPIRATION DATE: 08-18-2024		BID/PERMIT SET		08.15.24	-	-	-	PLAN SCALE: 1/2" = 1'-0"		DATE: _____			
	ARCHITECT: DAVID WOODWARD, AIA, PRINCIPAL ARCHITECT MANSS WOODWARD STUDIOS 10000 PHILADELPHIA ROAD WHITE MARSH, MARYLAND 21152 (P) 410-461-6400	DGN BY: _____	BUREAU OF ENGINEERING AND CONSTRUCTION				HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	PROPERTY MANAGEMENT	APPROVED BY: _____ CHIEF
		DWN BY: _____	REVIEWED BY: _____											DATE: _____
		CHKD BY: _____	DATE REVIEWED: _____											

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE, PROPERTY MANAGEMENT

BCPL White Marsh
ENLARGED PLANS & ELEVATIONS
BID/PERMIT SET

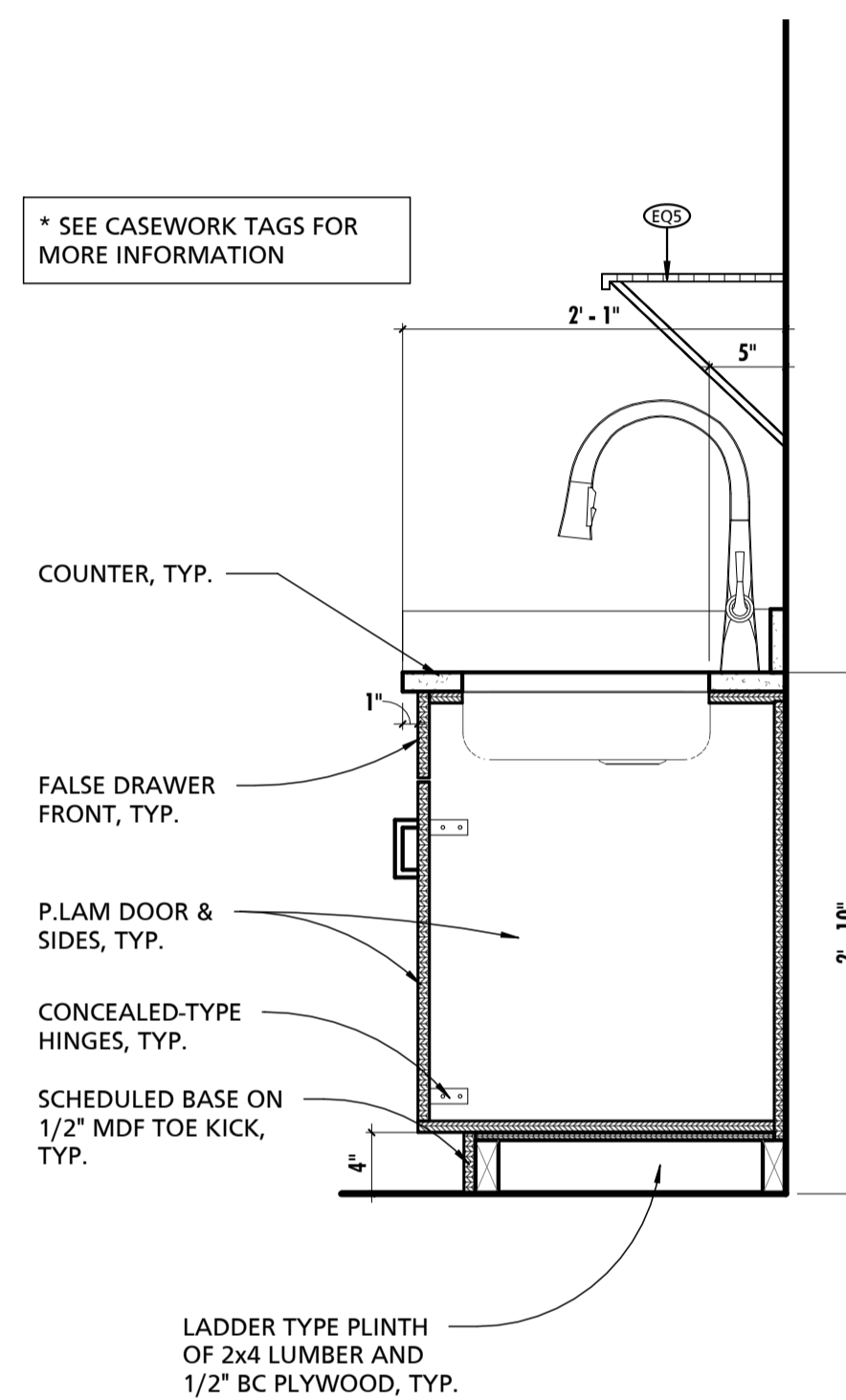
8133 SANDPIPER CIRCLE
BALTIMORE, MD 21236

ELECTION DIST. NO.:

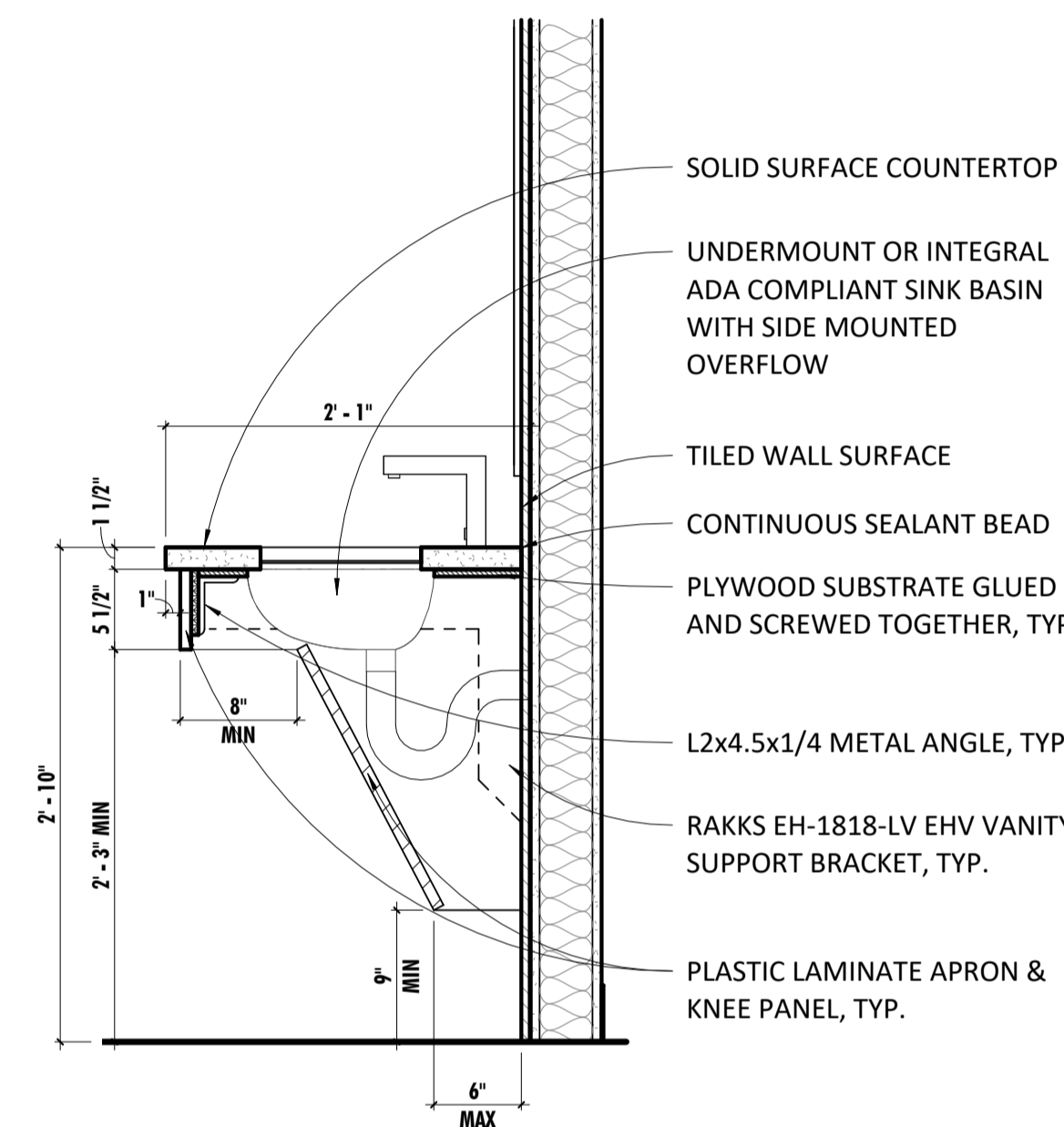
SHEET DESIGNATION	CONTRACT NUMBER
A702	24066 P00
JOB ORDER NUMBER	10611599
SHEET 15 OF 29	DRAWING NUMBER
2024-0340	FILE NO.: 10611599



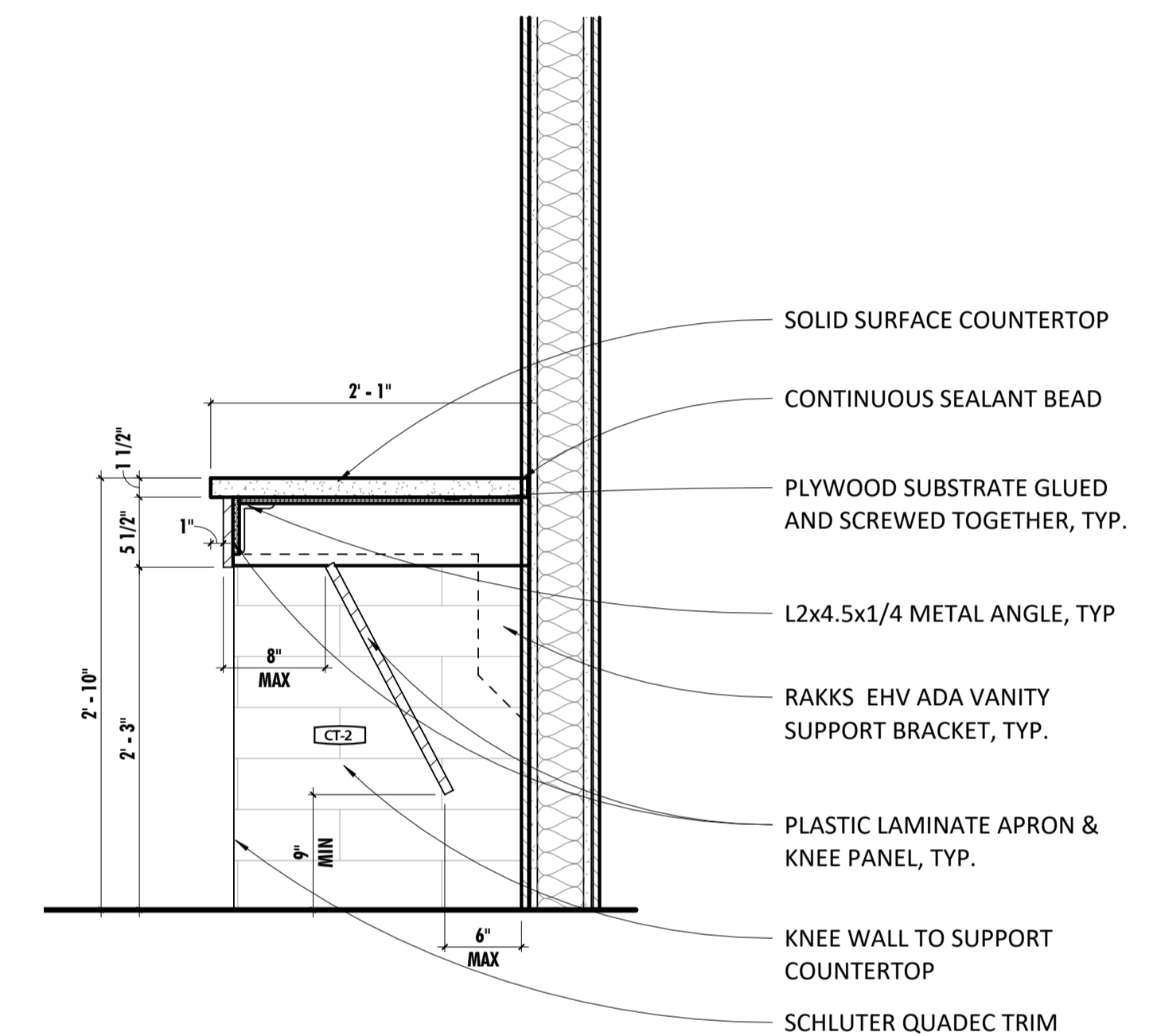
DWG. ELEMENT: 10611599



1 SINK CABINET DETAIL
1" = 1'-0"



2 TYPICAL LAVATORY DETAIL
1" = 1'-0"



3 WOMEN'S ROOM COUNTERTOP DETAIL
1" = 1'-0"

CONTRACTOR RESPONSIBLE FOR ENSURING ALL FABRICATED CASEWORK CONFORMS WITH ADA REQUIREMENTS. SEE ADA CODE SHEET FOR ADDITIONAL INFORMATION RELATED TO CLEARANCE REQUIREMENTS.
SEE INTERIOR ELEVATIONS FOR WALL FINISHES AND BACK SPLASH REQUIREMENTS
ALL COUNTERS SHALL BE SEAMLESS UNLESS NOTED OTHERWISE.
CONTRACTOR TO SUPPLY LAVATORY CARRIER SUPPORTS AT ALL SINK LOCATIONS

GENERAL CASEWORK NOTES	
NOTE #	NOTE
1	CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL COORDINATION OF CASEWORK AND COUNTERTOP OPENING AND CLEARANCE REQUIREMENTS TO ENSURE ANY APPLIANCE, FIXTURES, AND/OR EQUIPMENT (CONTRACTOR AND OWNER SUPPLIED) ARE INSTALLED IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURER REQUIREMENTS.
2	CONTRACTOR SHALL REFER TO ARCHITECTURAL WOODWORK STANDARDS 2014, CABINET DESIGN SERIES (CDS) FOR FURTHER INFORMATION ABOUT CASEWORK.

SEAL	PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHIT	DRAWING SCALE	APPROVED BY: _____ DIRECTOR
	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 15505 EXPIRATION DATE: 08-18-2024		BID/PERMIT SET		08.15.24	-	-	-	PLAN SCALE: 1" = 1'-0"	
	ARCHITECT:	DGN BY:	BUREAU OF ENGINEERING AND CONSTRUCTION	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	PROPERTY MANAGEMENT
	DAVID WOODWARD, AIA PRINCIPAL ARCHITECT	DWN BY:								APPROVED BY: _____ CHIEF
	MANSN WOODWARD STUDIOS 10805 D PHILADELPHIA ROAD WHITE MARSH, MARYLAND 21152 (P) 410-346-1480	CHKD BY:								DATE: _____
DATE: 03-15-2024										

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE, PROPERTY MANAGEMENT

BCPL White Marsh
TYPICAL DETAILS
BID/PERMIT SET

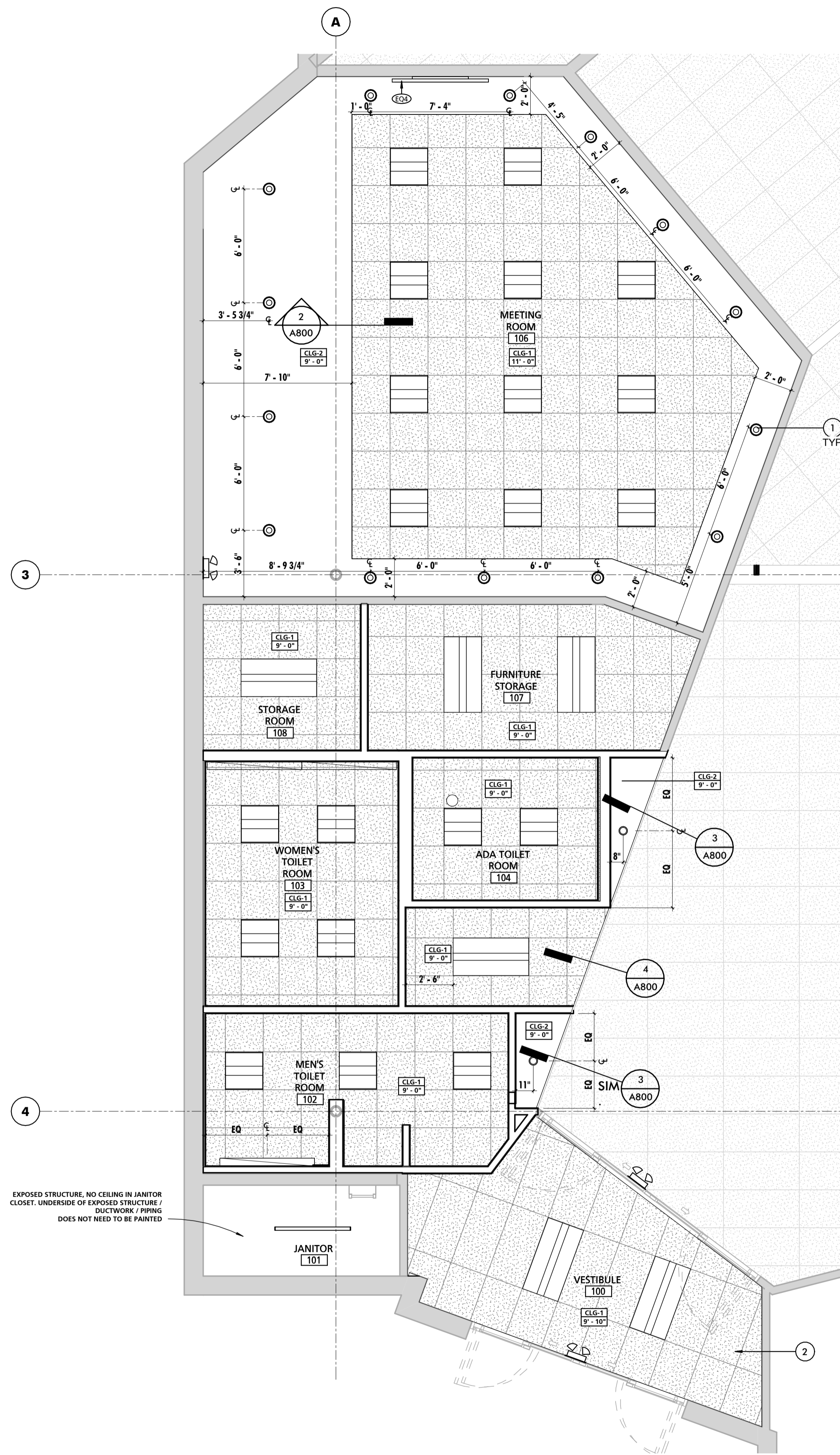
8133 SANDPIPER CIRCLE
BALTIMORE, MD 21236

ELECTION DIST. NO.:

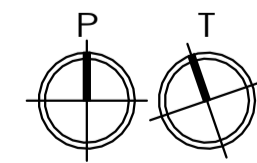
SHEET DESIGNATION	CONTRACT NUMBER
A703	24066 PO0
	JOB ORDER NUMBER
	10611599
	SHEET 16 OF 29
	DRAWING NUMBER
	2024-0341
	FILE NO.: 10611599



DWG. ELEMENT: 10611599



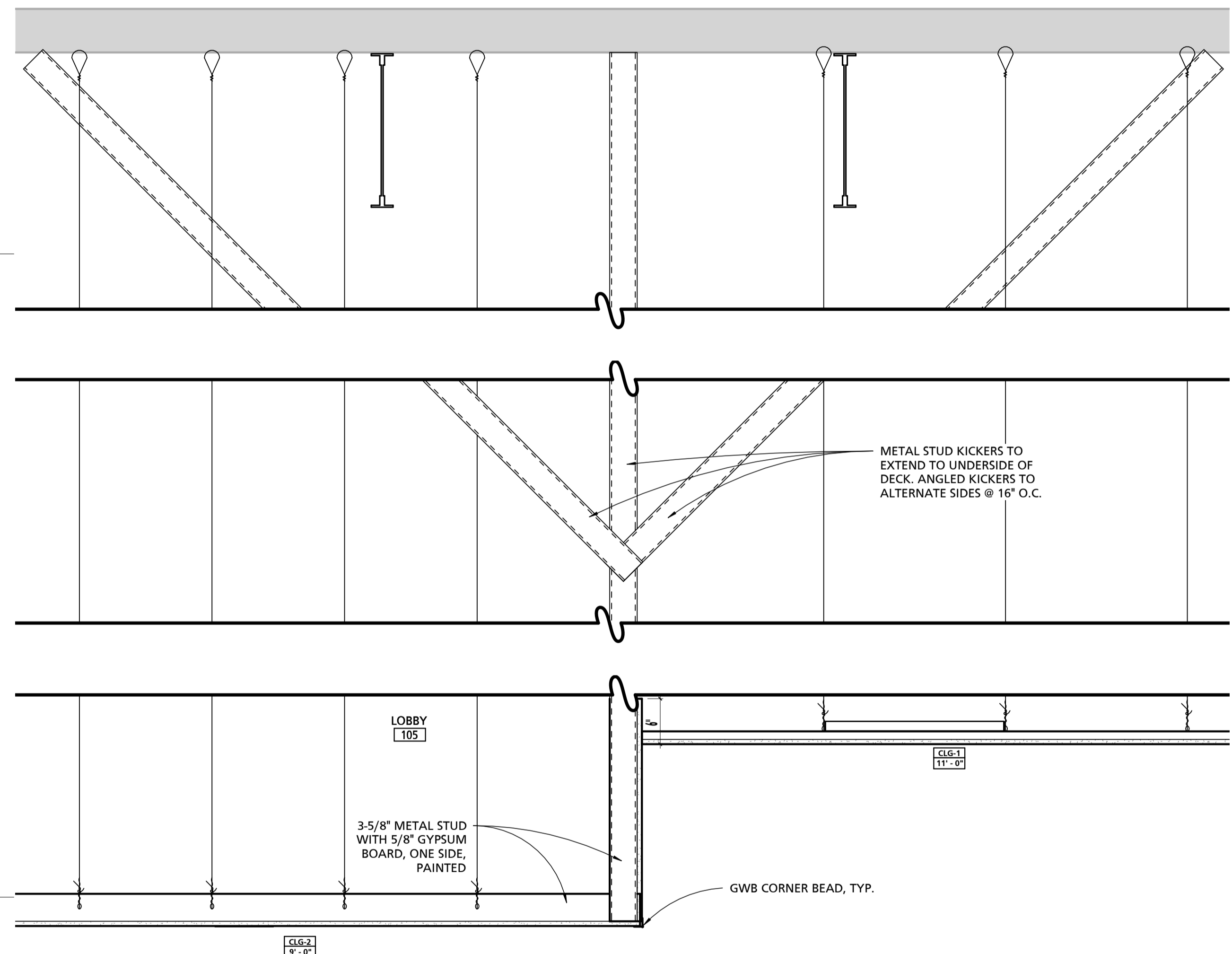
1 FIRST FLOOR REFLECTED CEILING PLAN
1/4" = 1'-0"



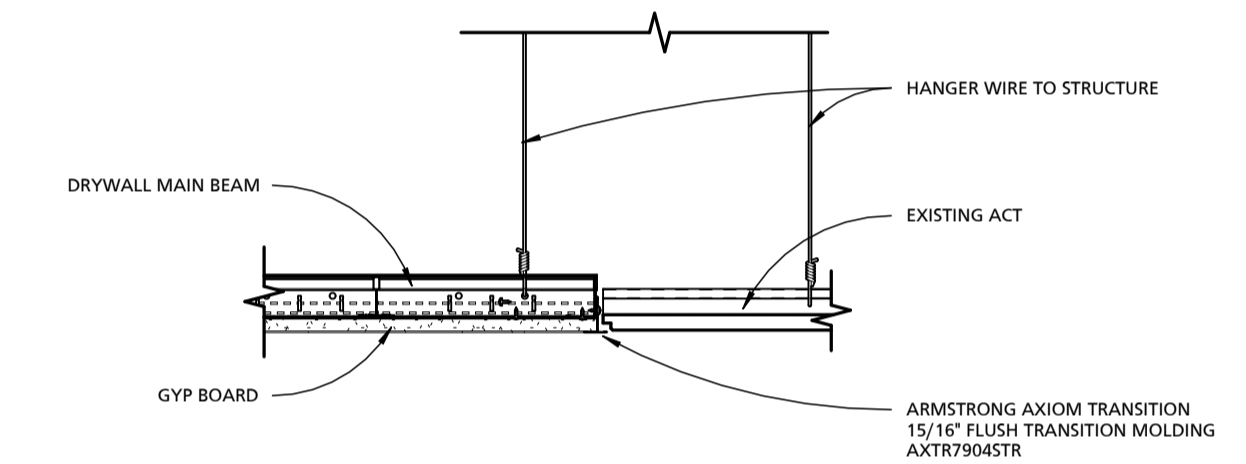
GENERAL CEILING NOTES	
NOTE #	NOTE
1	UNDERSIDE OF EXPOSED STRUCTURE, PIPING, AND DUCTWORK IN ALL ROOMS AND OTHER SPACES SHALL BE PAINTED UNLESS NOTED OTHERWISE. CONTRACTOR SHALL COORDINATE COLOR SELECTION WITH THE ARCHITECT PRIOR TO PAINTING OR PRIMING, TYP.
2	CONTRACTOR SHALL COORDINATE FINAL FIELD LOCATION OF ALL EXIT SIGNS AND EMERGENCY LIGHTING WITH ARCHITECT PRIOR TO ROUGH-IN, TYP.
3	ON ACT CEILINGS IN FIRE-RATED AREAS INSTALL HOLD DOWN CLIPS ON ACOUSTIC PANELS WEIGHING LESS THAN 1 LB. PER SQ. FT. PER SPEC.
4	ALL MECHANICAL, ELECTRICAL AND PLUMBING WORK TO OCCUR IN AREAS WHERE THE STRUCTURE IS EXPOSED SHALL BE EXECUTED IN A COORDINATED, NEAT AND WORKMANLIKE MANNER. AT A MINIMUM ALL WIRING SHALL BE RUN THROUGH CONDUITS, PIPE AND DUCT INSULATION SHALL BE NEATLY INSTALLED AND PAINTABLE. ALL PIPES AND DUCTS SHALL BE RUN EITHER PERPENDICULAR OR PARALLEL TO WALL CONSTRUCTION AND SHALL BE INSTALLED AT THE SAME NOMINAL ELEVATION OR SLOPE. ALL MATERIALS AND INSTALLATION METHODS SHALL COMPLY WITH APPLICABLE CODES AND STANDARDS. WHERE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS INDICATE OTHER REQUIREMENTS THE GREATER QUALITY SHALL PREVAIL.

SCHEDULE - CEILING TYPES				
MARK	DESCRIPTION	BOD MANUFACTURER	BOD MODEL	COMMENTS
CLG-1	2x2 ACOUSTICAL CEILING TILE	ARMSTRONG	ULTIMA SQUARE LAY-IN 1910	<varies>
CLG-2	5/8" GWB ON 3 5/8" METAL STUDS @ 16" O.C.	N/A	N/A	

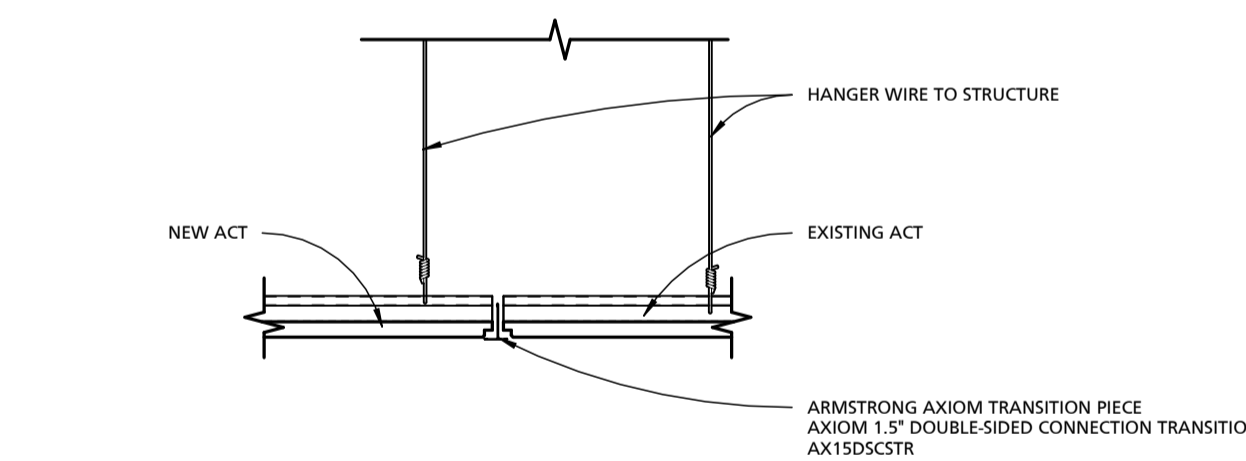
CEILING KEYNOTES	
NOTE #	NOTE
1	CENTER LIGHTS IN BULKHEAD
2	CENTER GRID IN VESTIBULE



2 CEILING TRANSITION DETAIL
1" = 1'-0"



3 TYPICAL DRYWALL TO ACT CEILING DETAIL
1 1/2" = 1'-0"



4 TYPICAL ACT TO ACT CEILING DETAIL
1 1/2" = 1'-0"

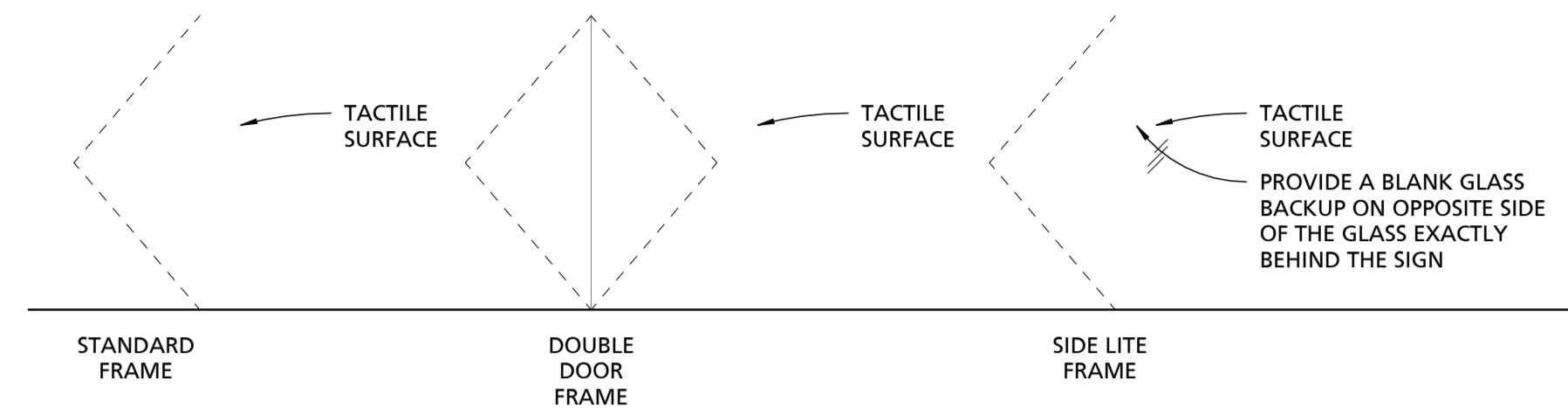
SEAL	PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHIT	DRAWING SCALE	APPROVED BY: _____ DIRECTOR
	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 15505 EXPIRATION DATE: 08-18-2024		BID/PERMIT SET		08.15.24	-			PLAN SCALE: As indicated	
ARCHITECT: DAVID WOODWARD AIA PRINCIPAL ARCHITECT	MANS WOODWARD STUDIOS 1000 N. PHILADELPHIA ROAD WHITE MARSH, MARYLAND 21152 (P) 410-346-1400	DGN BY: _____	BUREAU OF ENGINEERING AND CONSTRUCTION	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	PROPERTY MANAGEMENT
		DWN BY: _____	REVIEWED BY: _____							APPROVED BY: _____ CHIEF
DATE: 03-15-2024		CHKD BY: _____	DATE REVIEWED: _____							

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE, PROPERTY MANAGEMENT
 BCPL White Marsh
 REFLECTED CEILING PLAN
 BID/PERMIT SET
 8133 SANDPIPER CIRCLE
 BALTIMORE, MD 21236

SHEET DESIGNATION	CONTRACT NUMBER
A800	24066 P00
JOB ORDER NUMBER	
10611599	
SHEET 17 OF 29	
DRAWING NUMBER	
2024-0342	
FILE NO: 10611599	

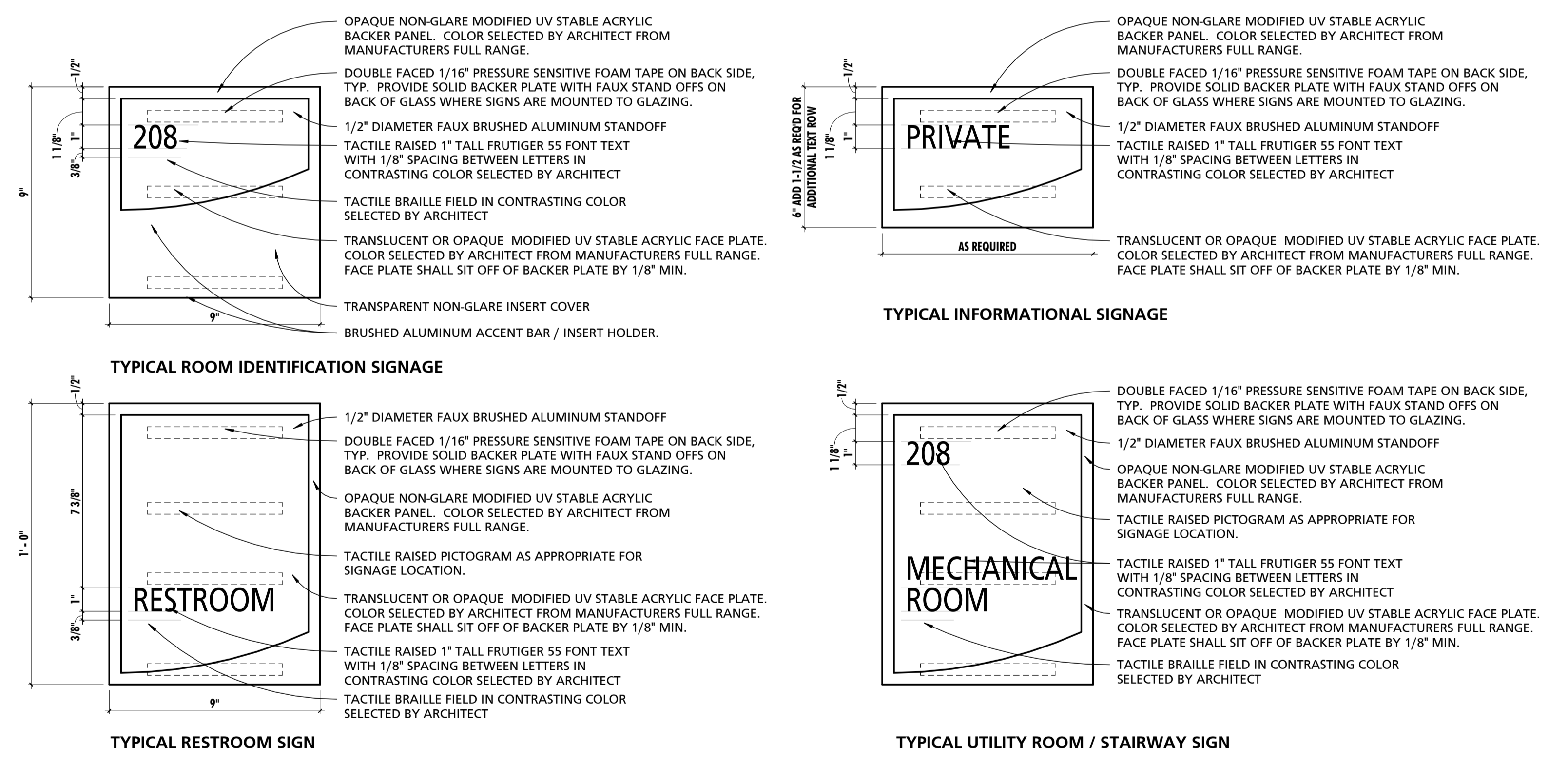


DWG. FILENAME: 10611599



- PROVIDE SIGNAGE AT ALL OF THE FOLLOWING LOCATIONS:**
1. ADA COMPLIANT IDENTIFICATION ROOM SIGNAGE WITH REMOVABLE INSERT AT ALL ROOMS OTHER THAN MECHANICAL ROOMS AND TOILET ROOMS. SIGNS SHALL INDICATE ROOM NUMBER AND PROVIDE REMOVABLE INSERT FOR ROOM NAMES.
 2. ADA COMPLIANT IDENTIFICATION ROOM SIGNAGE AT MECHANICAL ROOMS AND TOILET ROOMS. SINGLE OCCUPANT TOILET ROOMS SHALL BE IDENTIFIED AS UNI-SEX. SINGLE OCCUPANT TOILET ROOMS WITH CHANGING STATIONS SHALL BE IDENTIFIED AS FAMILY RESTROOMS.
 3. ADA COMPLIANT IDENTIFICATION EXIT SIGNAGE AT ALL DOORS LEADING TO RATED EXITS.
 4. ADA COMPLIANT IDENTIFICATION FLOOR LEVEL SIGNAGE AT ALL FLOOR LANDINGS OF STAIRS AND RAMPS.
 5. ADA COMPLIANT INFORMATIONAL SIGNAGE AT ALL AED STATIONS AND FIRE EXTINGUISHERS.
 6. ADA COMPLIANT INFORMATIONAL SIGNAGE INDICATING THE MAXIMUM OCCUPANCY OF ALL ASSEMBLY SPACES.
 7. ADA COMPLIANT INFORMATIONAL SIGNAGE SHALL BE PROVIDED AT ALL ELEVATORS.

1 ADA SIGNAGE MOUNTING LOCATIONS
1/4" = 1'-0"



2 TYPICAL SIGNAGE DETAILS
3" = 1'-0"

SEAL	PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHIT	DRAWING SCALE	APPROVED BY: _____ DIRECTOR
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ARCHITECT: DAVID WOODWARD AIA PRINCIPAL ARCHITECT MANSN WOODWARD STUDIOS 10800 W. PHILADELPHIA ROAD WHITE MARSH, MARYLAND 21152 (P) 410-346-1400	DGN BY: _____	BUREAU OF ENGINEERING AND CONSTRUCTION		HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	PROPERTY MANAGEMENT
	DWN BY: _____	REVIEWED BY: _____								APPROVED BY: _____ CHIEF
DATE: 03-15-2024	CHKD BY: _____	DATE REVIEWED: _____								DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE, PROPERTY MANAGEMENT

BCPL White Marsh
TYPICAL ADA SIGNAGE DETAILS
BID/PERMIT SET

8133 SANDPIPER CIRCLE
BALTIMORE, MD 21236

SUBDIVISION: _____ ELECTION DIST. NO.: _____

SHEET DESIGNATION	CONTRACT NUMBER
A900	24066 POO
JOB ORDER NUMBER	
10611599	
SHEET 18 OF 29	
DRAWING NUMBER	
2024-0343	
FILE NO.: 10611599	

DWG. ELEMENT: 10611599

HEATING, VENTILATION AND AIR CONDITIONING

NOTE: LEGEND IS STANDARD. ALL SYMBOLS & ABBREVIATIONS DO NOT NECESSARILY APPEAR ON THE DRAWINGS.

ABBREVIATIONS	AIR DEVICES AND COMPONENTS	PIPING SPECIALTIES	PIPING DESIGNATIONS	SYMBOLS	GENERAL NOTES																																										
<p>AB ABOVE AIR CONDITIONING UNIT ACU ABOVE FINISHED FLOOR AFG ABOVE FINISHED GRADE AHU AIR HANDLING UNIT AMP AMPERES APPROX APPROXIMATE ARCH ARCHITECTURAL ASME AMERICAN SOCIETY OF MECH ENG ATC AUTOMATIC TEMP CONTROL AUTO AUTOMATIC</p> <p>BDD BACK DRAFT DAMPER BE BOTTOM ELEVATION BEL BELOW BFG BELOW FINISHED GRADE BJ BETWEEN JOISTS BLDG BUILDING BOD BOTTOM OF DUCT BOT BOTTOM BTU BRITISH THERMAL UNIT</p> <p>CFM CUBIC FEET PER MINUTE CLG CEILING CO CLEANOUT COD CENTER OF DUCT CONC CONCRETE COND CONDENSING CONN CONNECT OR CONNECTION CONST CONSTRUCT/CONSTRUCTION CONT CONTINUED/CONTINUATION COORD COORDINATE CR STEAM CONDENSATE RETURN CRACU COMPUTER ROOM ACU CU CONDENSING UNIT CUH CABINET UNIT HEATER CV CHECK VALVE CW COLD WATER CWS CHILLED WATER SUPPLY CWR CHILLED WATER RETURN</p> <p>DB DRY BULB DEG DEGREE DEPT DEPARTMENT DIA DIAMETER DISC DISCONNECT DN DOWN DR DRAIN DR DUCT RISER DS DUCT SILENCER DSSU DUCTLESS SPLIT SYSTEM UNIT DWG DRAWING</p> <p>EA EXHAUST AIR EAT ENTERING AIR TEMPERATURE EAC ELECTRICAL CONTRACTOR EDB ENTERING DRY BULB TEMPERATURE EF EXHAUST FAN ELEC ELECTRICAL ELEV ELEVATION EMER EMERGENCY ENCL ENCLOSURE EQUIP EQUIPMENT ERU ENERGY RECOVERY UNIT ESP EXTERNAL STATIC PRESSURE ETR EXISTING TO REMAIN EWB ENTERING WET BULB TEMPERATURE EWT ENTERING WATER TEMPERATURE EXH EXHAUST OR EXHAUSTER EXIST EXISTING EXP EXPOSED</p> <p>F FAHRENHEIT FD FIRE DAMPER FLA FULL LOAD AMPERES FL FLOOR FLEX FLEXIBLE PPM FEET PER MINUTE FT FOOT OR FEET FT HD FEET OF HEAD FUT FUTURE</p> <p>GA GAUGE OR GAGE GAL GALLON GALV GALVANIZED GEN GENERAL CONTRACTOR GPH GALLONS PER HOUR GPM GALLONS PER MINUTE GR GRILLE GRD GROUND OR GRADE</p> <p>H OR HGT HEIGHT HC HEATING (HVAC) CONTRACTOR HDAG HEAVY DUTY ARCHITECTURAL GRILLE HGB HOT GAS BYPASS HORZ HORIZONTAL HP HORSE POWER HPC HIGH PRESSURE CONDENSATE HPS HIGH PRESSURE STEAM HSTAT HUMIDISTAT HR HOUR HTG HEATING HWR HOT WATER RETURN HWS HOT WATER SUPPLY HZ FREQUENCY</p> <p>ID INSIDE DIAMETER IN OR * INCH INT INTERIOR INV INVERT ISP INTERNAL STATIC PRESSURE IWG INCH WATER GAUGE</p> <p>KW KILOWATT KWH KILOWATT HOURS</p> <p>LAT LEAVING AIR TEMPERATURE LF LINEAR FEET LBS OR # POUNDS LDB LEAVING DRY BULB TEMPERATURE LPC LOW PRESSURE CONDENSATE LPS LOW PRESSURE STEAM LWB LEAVING WET BULB TEMPERATURE LWC LOW WATER CUT-OFF LWT LEAVING WATER TEMPERATURE</p> <p>MAX MAXIMUM MAU MAKE-UP AIR UNIT MBH THOUSAND BTU PER HOUR MC MECHANICAL CONTRACTOR MCA MINIMUM CIRCUIT AMPACITY MOD MOTOR OPERATED DAMPER (ATC) MECH MECHANICAL MFR MANUFACTURER MH MANHOLE MIN MINIMUM MPC MEDIUM PRESSURE CONDENSATE MPS MEDIUM PRESSURE STEAM MTD MOUNTED MTZ MOUNTING MULTI-ZONE N/A NOT APPLICABLE NE NORMAL EMERGENCY POWER NFC NORMALLY CLOSED N/O NORMALLY OPEN NC NOISE CRITERIA NIC NOT IN CONTRACT NO NUMBER NTS NOT TO SCALE</p> <p>OA OUTSIDE AIR OAI OUTSIDE AIR INTAKE OC ON CENTER OPNG OPENING</p> <p>PLBG PLUMBING CONTRACTOR PC PRESSURE DROP PD PHASE PR PIPE RISER PRESS PRESSURE PRV PRESSURE REDUCING VALVE PSI POUNDS PER SQUARE INCH PTR PRESSURE TEMPERATURE RELIEF VALVE</p> <p>RA RETURN AIR RAD RADIATION RD OR Ø ROUND REGISTER REG REGISTER REL RELIEF AIR RF ROOF RLA RATED LOAD AMPERES RM ROOM RTU ROOF TOP UNIT RPM REVOLUTIONS/MINUTE RV RELIEF VALVE</p> <p>S&C STUB & CAP SA SUPPLY AIR SAN SANITARY SHT SHEET SP STATIC PRESSURE SPEC SPECIFICATIONS SQ SQUARE STD STANDARD STL STEEL STOR STORAGE SUSP SUSPEND OR SUSPENDED SW SWITCH</p> <p>TB THROUGH BEAM TEMP TEMPERATURE TDH TOTAL DYNAMIC HEAD TE TRANSFER DUCT TE TOP ELEVATION THRU THROUGH TJ THROUGH JOISTS TSP TOTAL STATIC PRESSURE TSTAT THERMOSTAT TYP TYPICAL</p> <p>UE UNDER ELECTRICAL UG UNDER GENERAL UH UNIT HEATER UNDER HVAC UP UNDER PLUMBING UNO UNLESS NOTED OTHERWISE UV UNIT VENTILATOR</p> <p>VAV VARIABLE AIR VOLUME VD VOLUME DAMPER (MANUAL) VFD VARIABLE FREQUENCY DRIVE VI VIBRATION ISOLATOR VR VENT RISER VTR VENT THROUGH ROOF</p> <p>W WATT W WITH W/O WITHOUT WB WET BULB WG WATER GAUGE WL WEATHER LOUVER WP WEATHERPROOF WPD WATER PRESS DROP WSP WATER SOURCE HEAT PUMP WT WEIGHT WTD WATER TEMPERATURE DROP WTR WATER TEMPERATURE RISE</p> <p>XFMR TRANSFORMER</p>	<p>SINGLE LINE DOUBLE LINE</p> <p>☒ SUPPLY/OUTSIDE AIR DUCT ☒ RETURN/RELIEF AIR DUCT</p> <p>☒ SUPPLY/OUTSIDE AIR DUCT ELBOW (UP AND DOWN) ☒ RETURN/RELIEF AIR DUCT ELBOW (UP AND DOWN)</p> <p>12x10 12x10 RECTANGULAR OR SQUARE DUCT (SIZE IN INCHES)</p> <p>10 Ø 10 Ø ROUND DUCT (SIZE IN INCHES)</p> <p>12x10 Ø 12x10 Ø FLAT OVAL DUCT (SIZE IN INCHES)</p> <p>☒ ROUND OR FLAT OVAL DUCT (UP) ☒ ROUND OR FLAT OVAL DUCT (DOWN)</p> <p>☒ MITERED ELBOW W/ TURNING VANES</p> <p>☒ RADIUS ELBOW</p> <p>☒ TRANSITION-CONCENTRIC ☒ TRANSITION-ECCENTRIC</p> <p>☒ MANUAL VOLUME DAMPER</p> <p>☒ RECTANGULAR BRANCH TAKE OFF ☒ ROUND BRANCH TAKE OFF</p> <p>☒ DUCT-MOUNTED REHEAT COIL</p> <p>☒ SUPPLY DIFFUSER ☒ RETURN AIR / REGISTER / DIFFUSER ☒ EXHAUST GRILLE / REGISTER</p> <p>☒ THERMOSTAT</p>	<p>— X — PIPE ANCHOR — E — END CAP — C — PIPE DROP — O — PIPE RISER — T — PIPE TEE OFF BOTTOM — C — CONCENTRIC/ECCENTRIC REDUCER — U — UNION (SCREWED) — F — UNION (FLANGED) — B — BALANCING VALVE — V — BALL VALVE — F — BUTTERFLY VALVE — R — ROUND OR FLAT OVAL DUCT (UP) — D — DRAIN VALVE — G — GATE VALVE — G — GLOBE VALVE — N — NEEDLE VALVE — P — PLUG VALVE — R — PRESSURE REDUCING VALVE — R — PRESSURE REGULATOR VALVE — R — PRESSURE RELIEF VALVE — R — SAFETY RELIEF VALVE — S — SHUT OFF VALVE — S — SOLENOID VALVE — S — STOP CHECK VALVE — T — THROTTLE VALVE — T — TRIPLE-DUTY VALVE — C — DOUBLE CHECK VALVE — T — HOT WATER TEMPER VALVE — C — GAS COOK/GAS STOP VALVE — C — COMPRESSED AIR SHUT-OFF VALVE</p> <p>☒ THERMOMETER (DIAL TYPE) ☒ THERMOMETER (STEM TYPE) ☒ PRESSURE GAUGE WITH NEEDLE VALVE ☒ FLOW METER ☒ ROOF DRAIN (RD) ☒ OVERFLOW ROOF DRAIN (ORD) ☒ FLOOR SINK (FS) ☒ FLOOR DRAIN (FD) ☒ OPEN SITE DRAIN ☒ WATER HAMMER ARRESTER ☒ FLOOR CLEANOUT ☒ WALL CLEANOUT ☒ OVERHEAD PIPE CLEANOUT ☒ HOSE BIBB (HB) ☒ WALL HYDRANT (WH)</p>	<p>— HCS — HOT/CHILLED WATER SUPPLY — HCR — HOT/CHILLED WATER RETURN — CWSx — EXISTING CHILLED WATER SUPPLY — CWRx — EXISTING CHILLED WATER RETURN — CWS — CHILLED WATER SUPPLY — CWR — CHILLED WATER RETURN — HWSx — EXISTING LOW TEMPERATURE HOT WATER SUPPLY — HWRx — EXISTING LOW TEMPERATURE HOT WATER RETURN — MTWS — MEDIUM TEMPERATURE HOT WATER SUPPLY — MHWR — MEDIUM TEMPERATURE HOT WATER RETURN — HTWS — HIGH TEMPERATURE WATER SUPPLY — HTWR — HIGH TEMPERATURE WATER RETURN — GWS — PRE-MIXED GLYCOL WATER SUPPLY — CSx — EXISTING CONDENSER WATER SUPPLY — CRx — EXISTING CONDENSER WATER RETURN — CS — CONDENSER WATER SUPPLY — CR — CONDENSER WATER RETURN — LPSx — EXISTING LOW PRESSURE STEAM — LPCx — EXISTING LOW PRESSURE CONDENSATE — LPS — LOW PRESSURE STEAM — LPC — LOW PRESSURE CONDENSATE — MPS — MEDIUM PRESSURE STEAM — MPC — MEDIUM PRESSURE CONDENSATE — HPSx — EXISTING HIGH PRESSURE STEAM — HPS — HIGH PRESSURE STEAM — HPCx — EXISTING HIGH PRESSURE CONDENSATE — HPC — HIGH PRESSURE CONDENSATE — BBD — BOILER BLOW DOWN — PCx — EXISTING PUMPED CONDENSATE (STEAM) — PC — PUMPED CONDENSATE (STEAM) — VPD — VACUUM PUMP DISCHARGE — MU — MAKEUP WATER — ATW — ATMOSPHERIC VENT (STEAM OR HW) — FOD — FUEL OIL DISCHARGE — FOG — FUEL OIL GAGE — FOS — FUEL OIL SUPPLY — FOR — FUEL OIL RETURN — FOV — FUEL OIL VENT — RD — REFRIGERANT DISCHARGE — RS — REFRIGERANT SUCTION — RL — REFRIGERANT LIQUID — HPWS — HEAT PUMP WATER SUPPLY — HPWR — HEAT PUMP WATER RETURN — WLS — WATER LOOP SUPPLY — WLR — WATER LOOP RETURN — CA — COMPRESSED AIR</p>	<p>☒ THERMOSTAT ☒ REVERSE ACTING THERMOSTAT ☒ THERMOSTAT W/ GUARD ☒ PROGRAMMABLE THERMOSTAT ☒ DDC TEMPERATURE SENSOR ☒ DDC HUMIDITY SENSOR ☒ DDC HUMIDISTAT ☒ DDC DEWPOINT SENSOR ☒ DDC OCCUPANCY SENSOR ☒ DDC CO₂ SENSOR ☒ DOOR LOUVER, 18x18, SEE ARCH. DWGS. ☒ DOOR UNDERCUT, 3/4", SEE ARCH. DWGS. ☒ 16x16 TRANSFER AIR OPENING ABOVE CEILING IN PARTITION ☒ VARIABLE SPEED CONTROL SWITCH ☒ ATODDC CONTROL SWITCH ☒ EMERGENCY BOILER SHUT-OFF SWITCH ☒ EMERGENCY CHILLER SHUT-OFF SWITCH ☒ EMERGENCY HVAC SHUT-OFF SWITCH ☒ DOOR SWITCH, ATODDC ☒ REFRIGERANT SENSOR ☒ VARIABLE FREQUENCY DRIVE ☒ DDC CONTROL PANEL ☒ DDC LOCAL DISPLAY PANEL ☒ DDC NETWORK AREA CONTROLLER (NAE) ☒ DDC OPERATOR WORK STATION ☒ CEILING/WALL ACCESS PANEL</p>	<ol style="list-style-type: none"> GENERAL NOTES ON THIS DRAWING ARE APPLICABLE TO EACH MECHANICAL DRAWING OF THIS SET. SEE EACH DRAWING FOR SPECIFIC NOTES APPLICABLE TO THAT DRAWING. ALL DIMENSIONS, AND PIPE SIZES ARE IN INCHES UNLESS NOTED OTHERWISE. VALVES AND SPECIALTIES SHALL BE LINE SIZE, EXCEPT FOR CONTROL & BALANCING VALVES OR UNLESS NOTED OTHERWISE. NO PIPING SHALL BE SMALLER THAN 3/4" UNLESS OTHERWISE NOTED. FOR PIPE SIZES NOT INDICATED ON PLANS SEE EQUIPMENT CONNECTION DETAILS, FLOW DIAGRAMS, RISER DIAGRAMS AND SCHEDULES. COORDINATE WALL, ROOF, FLOOR, AND CEILING OPENINGS FOR NEW PIPE AND DUCT RISERS, AND CONDUIT PENETRATIONS. PROVIDE SLEEVES AROUND EXISTING PIPES AND DUCTS THRU NEW WALL/PARTITIONS. EXISTING EQUIPMENT, APPLIANCES, ETC., STRUCTURAL JOISTS, BEAMS, ETC., AND LIGHTING FIXTURES, ELECTRICAL EQUIPMENT, ETC. WHERE SHOWN ARE FOR REFERENCE ONLY. VERIFY IN FIELD. REFER TO RESPECTIVE DRAWINGS AND EXISTING RECORD DRAWINGS WHERE AVAILABLE. ALL EQUIPMENT, PIPING, AND DUCTWORK SHALL BE SUPPORTED FROM JOIST TOP CHORD, UNLESS OTHERWISE NOTED. DO NOT SUPPORT ANYTHING FROM ROOF DECK. ALL PIPING IN AREAS WITH CEILING SHALL BE RUN CONCEALED ABOVE ACoustical OR PLASTER CEILING UNLESS OTHERWISE NOTED. OVERHEAD PIPING IN SPACES WITHOUT HUNG CEILING SHALL BE RUN AS CLOSE TO FLOOR/ROOF DECK AS PRACTICABLE, AS CLOSE TO PARALLEL JOISTS AS POSSIBLE AND ABOVE LIGHTING FIXTURES TO CONCEAL PIPING. ALL OPENINGS IN PIPES OR FITTINGS SHALL BE KEPT PLUGGED OR CAPPED UNTIL CONNECTED. INSTALL SUFFICIENT NUMBER OF UNIONS/FLANGES IN ALL PIPE LINES TO ALLOW REMOVAL OF PIPES WITHOUT BREAKING FITTINGS. PROVIDE UNION OR FLANGED CONNECTIONS AT EACH PIECE OF EQUIPMENT AND ON BOTH SIDES ON CONTROL VALVES AND PRESSURE REGULATING VALVES. PROVIDE SHUT-OFF VALVES ON BOTH SIDES OF AUTOMATIC VALVES. RUNOUTS TO EQUIPMENT SHALL BE RUN IN SIZES INDICATED AND INCREASED OR REDUCED AT POINT OF FINAL CONNECTION TO EQUIPMENT. COORDINATE LOCATION AND INSTALLATION OF EQUIPMENT WITH OTHER TRADES. RUNOUTS SHALL PITCH DOWN IN DIRECTION OF FLOW A MINIMUM OF 1/8" PER FOOT. CONTRACTOR SHALL VERIFY ANY REFRIGERANT PIPE SIZES WITH EQUIPMENT MANUFACTURER FOR THE INDICATED INSTALLATION. THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE APPROXIMATE ARRANGEMENT OF THE EXISTING SYSTEMS. THE CONTRACTOR SHALL FIELD VERIFY EXACT INFORMATION, DIMENSIONS, LOCATIONS, ETC. AS NECESSARY AND COORDINATE WORK ACCORDINGLY. NOT ALL INFORMATION IS SHOWN. E. DRAWINGS DO NOT SHOW ALL OFFSETS, BENDS, ELBOWS, OR OTHER SPECIFIC ELEMENTS THAT MAY BE REQUIRED FOR THE PROPER INSTALLATION OF WORK. INFORMATION WHERE SHOWN ON THE DRAWINGS WAS OBTAINED FROM EXISTING DRAWINGS AND FIELD OBSERVATION. THE CONTRACTOR SHALL VERIFY CORRECTNESS AND COMPLETENESS OF SUCH INFORMATION TO HIS/HER OWN SATISFACTION. REMOVE ALL MECHANICAL SYSTEMS IN THEIR ENTIRETY. CUT, PATCH, AND FINISH WHERE DEMOLITION WORK OCCURS. COORDINATE DEMOLITION WORK WITH THE OWNER SCHEDULE. EXISTING HVAC SYSTEM & OTHER SYSTEMS IN OTHER PHASES/AREAS ARE REQUIRED TO BE IN OPERATION DURING THE PROJECT CONSTRUCTION. REFER TO ALL CONTRACT DOCUMENTS FOR ADDITIONAL REQUIREMENTS AND COORDINATE WORK ACCORDINGLY. ALL FLOOR MOUNTED EQUIPMENT AND APPURTENANCES SHALL HAVE MINIMUM 6" THICK CONCRETE HOUSEKEEPING PAD AND 6" LARGER THAN FOOT PRINT DIMENSIONS WHETHER SHOWN OR NOT. LOCATE AND SIZE CONCRETE PADS FOR MECHANICAL EQUIPMENT IN ACCORDANCE WITH ACTUAL EQUIPMENT PURCHASED. INCLUDE ALL INCIDENTAL WORK REQUIRED FOR THE WORK INCLUDING TEMPORARY DISCONNECTION, RELOCATION, AND REINSTALLATION OF THE EXISTING OBSTRUCTIONS SUCH AS PIPING, CONDUITS, DUCTWORK, DOORS, BEAMS, JOISTS, SPRINKLERS, ETC. WHETHER SHOWN OR NOT. COORDINATE TEMPORARY SHUTDOWNS WITH OWNER'S REPRESENTATIVE AS SPECIFIED. DO NOT INSTALL PIPING, DUCTWORK OR EQUIPMENT OVER ELECTRICAL EQUIPMENT. PROVIDE REQUIRED CLEARANCES FOR ALL ELECTRICAL EQUIPMENT PER NEC. COORDINATE LOCATIONS OF DUCTWORK, PIPING, AND EQUIPMENT ABOVE CEILING WITH CABLE TRAYS. PIPING SHALL BE SUPPORTED IN ACCORDANCE WITH THE SPECIFICATIONS. ADDITIONAL SUPPORTS OR HANGERS SHALL BE ADJACENT TO ELBOWS, TO PREVENT WEIGHT OF PIPING BEING PLACED ON THE EQUIPMENT. PENETRATIONS IN FIRE RESISTANT RATED ASSEMBLIES SHALL BE IN COMPLIANCE WITH NFPA STANDARDS AND UL LISTED AS A THROUGH-PENETRATION. FIRE STOP ANNUAL SPACE BETWEEN PIPING AND SLEEVE WITH UL LISTED FIRE RATED MATERIAL, WITH A RATING EQUAL TO THE ASSEMBLY BEING PENETRATED. PENETRATIONS AND FIRE STOPPING SHALL BE APPROVED BY THE AHJ AND IN COMPLIANCE WITH THE LATEST EDITION OF THE UL DIRECTORY OF FIRE RESISTANCE. MAINTAIN THE INTEGRITY OF ALL FIRE AND SMOKE RATED ASSEMBLIES WITHIN THE BUILDING AFFECTED BY WORK UNDER THIS CONTRACT. PATCH AND/OR REPAIR ALL FIRE AND SMOKE RATED ASSEMBLIES AS REQUIRED TO MAINTAIN EXISTING OR NEW RATING. PROVIDE PRE-CONSTRUCTION TEST AND BALANCE OF EXISTING HVAC SYSTEMS IN THEIR ENTIRETY AND AS AFFECTED BY PROJECT WORK TO IDENTIFY SYSTEM DEFICIENCIES, AND ESTABLISH BASELINE EXISTING CONDITIONS. SUBMIT REPORT WITHIN 7 DAYS TO OWNER AND ARCHITECT/ENGINEER FOR ANY FIELD ADJUSTMENTS AND DIRECTIONS PRIOR TO PROCEED WITH NEW CONSTRUCTION. WORK OUTSIDE THE PROJECT WORK AREA: <ol style="list-style-type: none"> THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH THE BUILDING MANAGER AND THE OWNER FOR NOISY WORK, WORK IMPACTING AREAS OUTSIDE OF WORK AREA, AND WORK OUTSIDE OF PROJECT AREA. SUCH WORK SHALL BE PERFORMED ON THE WEEKENDS (WHEN TENANTS' OFFICES ARE UNOCCUPIED OR AFTER THE OFFICE WORKING HOURS). THIS WORK SHALL BE SCHEDULED WITH BUILDING MANAGER BY PROVIDING FOURTEEN DAYS ADVANCE NOTICE AND ONE DAY REMINDER NOTICE. ALL SUCH COSTS OF WORKING OVERTIME ON THE WEEKENDS OR IN THE NIGHTS SHALL BE INCLUDED IN THE BASE BID. WHEN WORKING IN OTHER AREAS, AFTER EACH DAY OF WORK, REMOVE ALL THE DEBRIS AND MATERIAL FROM THE AREAS. CEILING SHALL BE CLOSED AND FLOOR SHALL BE FULLY CLEANED TO THE SATISFACTION OF THE BUILDING MANAGER. CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE ANY AND ALL DAMAGED ITEMS WHEN WORKING IN OTHER AREAS. NEW CEILING TILES SHALL MATCH WITH THE EXISTING CEILING TILES. 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ANNOTATIONS		GRILLE, REGISTER AND DIFFUSER SCHEDULE																																													
<p>☒ KEYED NOTE</p> <p>☒ DEMOLITION KEYED NOTE</p> <p>☒ POINT OF CONNECTION TO EXISTING SYSTEM</p> <p>☒ POINT OF DISCONNECTION FROM EXISTING SYSTEM</p> <p>☒ RETURN AIR DESIGNATION</p> <p>☒ SUPPLY AIR DESIGNATION</p> <p>☒ EXISTING TO REMAIN</p> <p>☒ NEW WORK</p> <p>☒ DEMOLITION WORK</p> <p>ABC EXISTING (INDICATED W/ SLANTED TEXT)</p> <p>☒ DOOR LOUVER, 18x18, SEE ARCH. DWGS.</p> <p>☒ DOOR UNDERCUT, 3/4", SEE ARCH. DWGS.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">TAG</th> <th style="width: 30%;">DESCRIPTION</th> <th style="width: 15%;">MANUFACTURER</th> <th style="width: 10%;">MODEL</th> <th style="width: 15%;">MATERIAL/FINISH NOTE 3</th> <th style="width: 25%;">REMARKS</th> </tr> </thead> <tbody> <tr> <td>1D,2D,3D,4D</td> <td>LAY-IN CEILING DIFFUSER</td> <td>TUTTLE & BAILEY</td> <td>ARCL</td> <td>ALUMINUM / WHITE</td> <td>24X24 LAY-IN T-BAR PANEL, SRR ADAPTER WHERE ROUND NECK OCCURS, NOTE 1</td> </tr> <tr> <td>EG / RG</td> <td>GRID CORE EXHAUST / RETURN CEILING GRILLE</td> <td>TUTTLE & BAILEY</td> <td>VPER</td> <td>ALUMINUM / WHITE</td> <td>12X12 / 24X12 / 24X24 / 48X24 LAY-IN, T-BAR PANEL, VISUAL PRIVACY TYPE, HEAVY GAUGE EXTRUDED ALUMINUM, 0.015-INCH THICK, 45 DEG DEFLECTION & 1/2 BY 1/2 BY 1/2 INCH GRID CORE, 92% FREE AREA.</td> </tr> <tr> <td>TG</td> <td>GRID CORE TRANSFER GRILLE</td> <td>TUTTLE & BAILEY</td> <td>VPER</td> <td>ALUMINUM / WHITE</td> <td>12X12 / 24X12 / 24X24 / 48X24 LAY-IN, T-BAR PANEL, VISUAL PRIVACY TYPE, HEAVY GAUGE EXTRUDED ALUMINUM, 0.015-INCH THICK, 45 DEG DEFLECTION & 1/2 BY 1/2 BY 1/2 INCH GRID CORE, 92% FREE AREA.</td> </tr> <tr> <td>EG1</td> <td>SIDEWALL EXHAUST GRILLE</td> <td>TUTTLE & BAILEY</td> <td>A700</td> <td>ALUMINUM / WHITE</td> <td>HORIZONTAL DEFLECTED FACE BARS AT 3/4" SPACING</td> </tr> <tr> <td>SG</td> <td>SIDEWALL SUPPLY GRILLE</td> <td>TUTTLE & BAILEY</td> <td>AV54</td> <td>ALUMINUM / WHITE</td> <td>DOUBLE DEFLECTION ADJUSTABLE HORIZONTAL BLADES</td> </tr> <tr> <td>SR</td> <td>SIDEWALL SUPPLY REGISTER</td> <td>TUTTLE & BAILEY</td> <td>AV54-AOBD5</td> <td>ALUMINUM / WHITE</td> <td>DOUBLE DEFLECTION ADJUSTABLE HORIZONTAL BLADES WITH OPPOSED BLADE VOLUME DAMPER</td> </tr> </tbody> </table> <p>GRD SCHEDULE NOTES:</p> <ol style="list-style-type: none"> FOR DIRECTION OF AIRFLOW, SEE DIFFUSER ON ASSOCIATED FLOOR PLAN. 1D= 1-WAY, 2D=2-WAY, 3D=3-WAY, 4D=4-WAY. THE GRD SCHEDULE IS A STANDARD SCHEDULE. ALL GRILLE, REGISTER, AND DIFFUSER DO NOT NECESSARILY APPEAR ON DRAWINGS FOR THIS PROJECT. BAKED ENAMEL WHITE AT CEILING, WALL, CLEAR SATIN ANODIZED AT WINDOW SILL OR FLOOR OR DUCT. MATCH PAINT TO ADJACENT SURFACES WHERE INDICATED OR SPECIFIED. FINAL FINISH AND COLOR SHALL BE AS SELECTED BY OWNER/GOVERNMENT/ARCHITECT. 					TAG	DESCRIPTION	MANUFACTURER	MODEL	MATERIAL/FINISH NOTE 3	REMARKS	1D,2D,3D,4D	LAY-IN CEILING DIFFUSER	TUTTLE & BAILEY	ARCL	ALUMINUM / WHITE	24X24 LAY-IN T-BAR PANEL, SRR ADAPTER WHERE ROUND NECK OCCURS, NOTE 1	EG / RG	GRID CORE EXHAUST / RETURN CEILING GRILLE	TUTTLE & BAILEY	VPER	ALUMINUM / WHITE	12X12 / 24X12 / 24X24 / 48X24 LAY-IN, T-BAR PANEL, VISUAL PRIVACY TYPE, HEAVY GAUGE EXTRUDED ALUMINUM, 0.015-INCH THICK, 45 DEG DEFLECTION & 1/2 BY 1/2 BY 1/2 INCH GRID CORE, 92% FREE AREA.	TG	GRID CORE TRANSFER GRILLE	TUTTLE & BAILEY	VPER	ALUMINUM / WHITE	12X12 / 24X12 / 24X24 / 48X24 LAY-IN, T-BAR PANEL, VISUAL PRIVACY TYPE, HEAVY GAUGE EXTRUDED ALUMINUM, 0.015-INCH THICK, 45 DEG DEFLECTION & 1/2 BY 1/2 BY 1/2 INCH GRID CORE, 92% FREE AREA.	EG1	SIDEWALL EXHAUST GRILLE	TUTTLE & BAILEY	A700	ALUMINUM / WHITE	HORIZONTAL DEFLECTED FACE BARS AT 3/4" SPACING	SG	SIDEWALL SUPPLY GRILLE	TUTTLE & BAILEY	AV54	ALUMINUM / WHITE	DOUBLE DEFLECTION ADJUSTABLE HORIZONTAL BLADES	SR	SIDEWALL SUPPLY REGISTER	TUTTLE & BAILEY	AV54-AOBD5	ALUMINUM / WHITE	DOUBLE DEFLECTION ADJUSTABLE HORIZONTAL BLADES WITH OPPOSED BLADE VOLUME DAMPER
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	PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 22912 EXPIRATION DATE: 10-24-2025	AS-BUILT / REVISION BID/PERMIT SET	BY DATE P.W.A. NO. KEY SHEET POSITION SHIT DRAWING SCALE	APPROVED BY: _____ DIRECTOR DATE: _____	BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE, PROPERTY MANAGEMENT BCPL - White Marsh MECHANICAL - LEGEND AND ABBREVIATIONS 8133 SANDPIPER CIRCLE BALTIMORE, MD 21226	
	ENGINEER: UDAY PATEL, P.E., LEED BD+C MECHANICAL ENGINEER 140 EAST PRINCE STREET, SUITE 405 BALTIMORE, MD 21202 (771) 465-0920	BUREAU OF ENGINEERING AND CONSTRUCTION HIGHWAYS STRUCTURES STORM DRAINS SEWER WATER FIELD ENGINEER	DGN BY: CCJM DWN BY: CCJM CHD BY: UNP	REVIEWED BY: _____ DATE REVIEWED: _____	APPROVED BY: _____ CHIEF DATE: _____	
	DATE: 03/17/2024	SUBDIVISION:			ELECTION DIST. NO.:	
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SHEET DESIGNATION M001	CONTRACT NUMBER 24066 P00
	JOB ORDER NUMBER 10611599
SHEET 19 OF 29 DRAWING NUMBER 2024-0344	FILE NO: 21-000

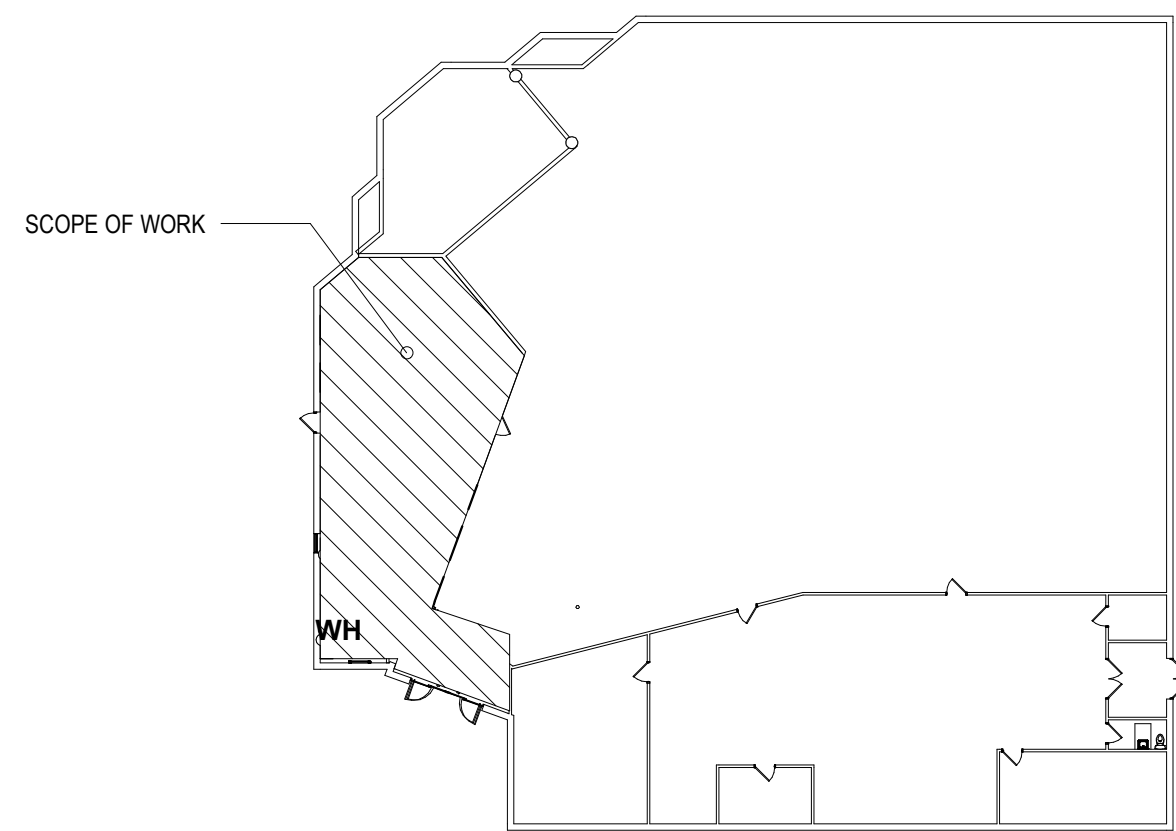
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MECHANICAL KEYED NOTES - DEMOLITION

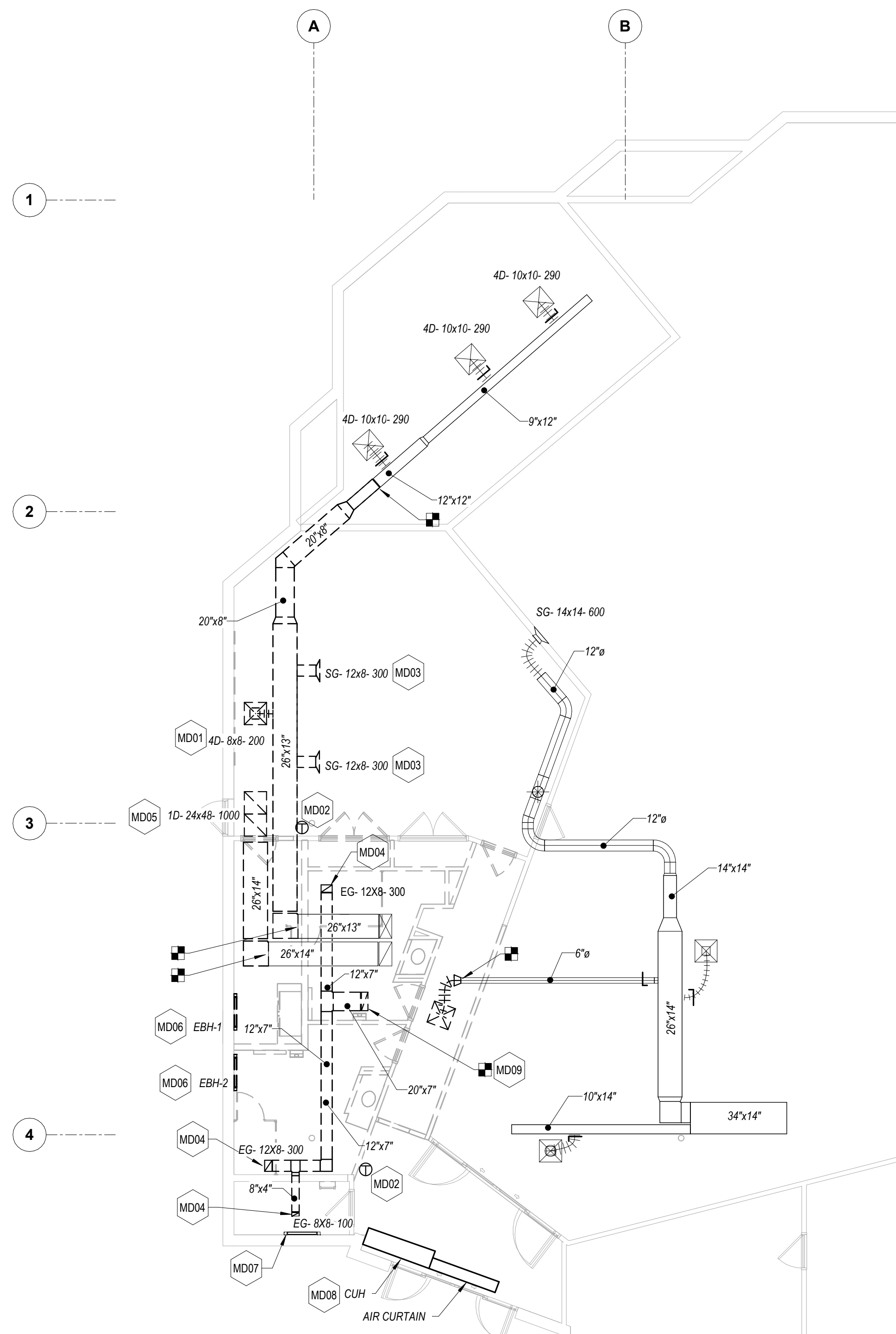
NOTE #	NOTES
MD01	DISCONNECT AND REMOVE CEILING SUPPLY DIFFUSER AND ALL ASSOCIATED BRANCH DUCTWORK IN ITS ENTIRETY UP TO THE POINT OF DISCONNECTION.
MD02	RELOCATE AND REINSTALL THERMOSTAT AT NEW LOCATION.
MD03	DISCONNECT AND REMOVE WALL SUPPLY DIFFUSER AND ALL ASSOCIATED BRANCH DUCTWORK IN ITS ENTIRETY UP TO THE POINT OF DISCONNECTION.
MD04	DISCONNECT AND REMOVE EXHAUST GRILLE AND ALL ASSOCIATED BRANCH DUCTWORK IN ITS ENTIRETY UP TO THE POINT OF DISCONNECTION.
MD05	DISCONNECT AND REMOVE RETURN GRILLE AND ALL ASSOCIATED DUCTWORK IN ITS ENTIRETY UP TO THE POINT OF DISCONNECTION.
MD06	DISCONNECT AND REMOVE THE ELECTRIC BASE BOARD HEATER IN ITS ENTIRETY.
MD07	EXISTING ELECTRIC BASE BOARD HEATER WITH 500 WATTS CAPACITY @120V /1PH TO REMAIN.
MD08	EXISTING ELECTRIC CABINET HEATER WITH 5KW CAPACITY @208V /3PH TO REMAIN.
MD09	EXISTING 20X7 EXHAUST DUCT UP TO EXHAUST FAN EF-1 ON ROOF TO REMAIN. EXISTING EXHAUST FAN IS ASSUMED TO HAVE PERFORMANCE CAPACITY OF 700 CFM @0.375 ISP, BELT DRIVEN, 1/6 HP @115V/ 1PH. REMOVE ALL ASSOCIATED CONTROLS INCLUDING WALL SWITCH IN JANITOR CLOSET.

MECHANICAL KEYED NOTES - NEW WORK

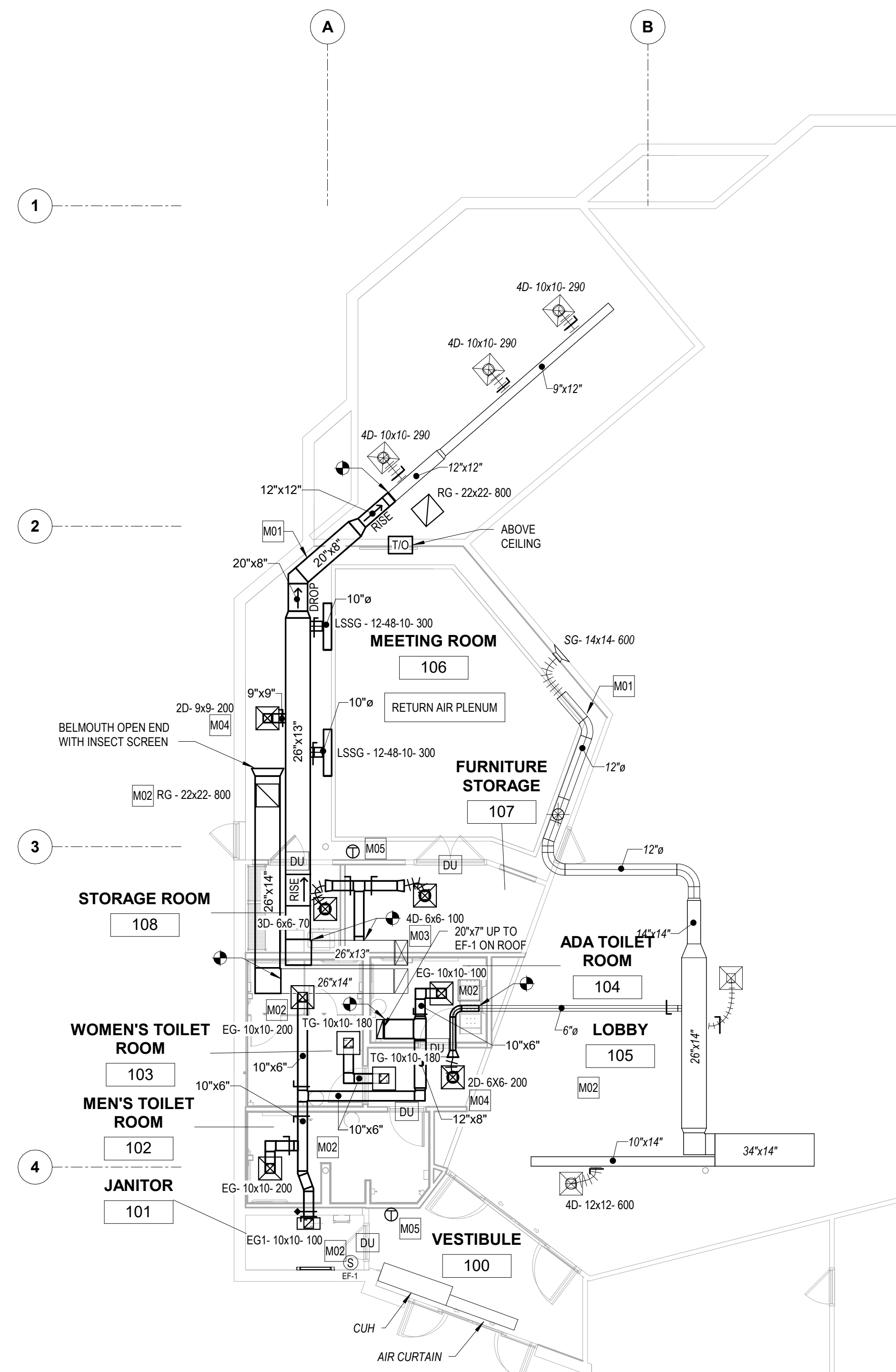
NOTE #	NOTES
M01	FIELD VERIFY AND COORDINATE DUCT ELEVATIONS TO FIT WITHIN NEW CEILING HEIGHTS AND EXISTING STRUCTURE. MODIFY EXISTING TO REMAIN DUCTWORK AS REQUIRED.
M02	PROVIDE RETURN/EXHAUST GRILLE WITH MANUAL VOLUME DAMPER IN BRANCH DUCT. MODIFY EXISTING 20X7 DUCT RISER CONNECT NEW DUCTWORK TO EXISTING TO EF-1 ON ROOF AS REQUIRED TO SUIT NEW WORK. TEST, ADJUST AND BALANCE ASSOCIATED EXISTING AND NEW EXHAUST GRILLES AND EXHAUST FAN EF-1 IN THEIR ENTIRETY. REPLACE/ADJUST DRIVES, VARIABLE SPEED MOTOR, AND/OR WHEELS AS REQUIRED TO ACHIEVE DESIGN AIRFLOW WITHOUT OVERLOADING MOTOR. PROVIDE A WALL MOUNTED TIME DELAY CONTROLLED ON-OFF SWITCH IN JANITOR 101. CONTROL SEQUENCE OF OPERATION: WHEN ON-OFF WALL SWITCH IS MANUALLY INDEXED TO NORMAL ON POSITION DURING OCCUPIED HOURS, THE EXHAUST FAN SHALL BE AUTOMATICALLY STARTED AND RUN UNTIL MANUALLY INDEXED TO OFF POSITION. WHEN WALL SWITCH IS MANUALLY INDEXED TO OFF POSITION DURING UNOCCUPIED HOURS, THE EXHAUST FAN SHALL BE AUTOMATICALLY DE-ENERGIZED AFTER 15 MINUTES TIME DELAY (ADJ.). EXISTING EF-1 (BASED ON LABEL & 1987 DRAWINGS): 700 CFM, 0.625" WG ESP, 1/6 HP, 120/1/60, DIRECT DRIVE, DAYTON MODEL 5DV11 DOWNBLAST FAN.
M03	EXISTING RTU (HEAT PUMP, HPHW#1) CAPACITIES (BASED ON LABEL & 1987 DRAWINGS): DX COOLING (58 MBH TOTAL & 37 MBH SENSIBLE, 68 DEG. F EWB) COIL, 1670 TOTAL CFM @0.40" WC ESP, 3/4 HP, 208 V /3 PH / 60 HZ, 25% MINIMUM OUTSIDE AIR. CARRIER MODEL 50TCQA06A2A5A0A0A0. TEST, ADJUST AND BALANCE RTU AND ASSOCIATED AIR DISTRIBUTION SYSTEM AND CONTROLS IN THEIR ENTIRETY. REPLACE DRIVES AS REQUIRED TO ACHIEVE DESIGN AIRFLOW WITHOUT OVERLOADING MOTOR.
M04	PROVIDE CEILING DIFFUSER WITH MANUAL VOLUME DAMPER IN BRANCH DUCT TAKE-OFF.
M05	RELOCATE AND REINSTALL THERMOSTAT FOR RTU AND AIR CURTAIN AT NEW LOCATION. VERIFY OPERATION.



3 KEY PLAN
1" = 30'-0"



1 MECHANICAL - PARTIAL FLOOR PLAN - DEMOLITION
1/8" = 1'-0"



2 MECHANICAL - PARTIAL FLOOR PLAN - NEW WORK
1/8" = 1'-0"

	PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHIT	DRAWING SCALE
	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.		BID/PERMIT SET		06.15.2023	-	-	-	PLAN SCALE: As Indicated
	LICENSE NO. 22942 EXPIRATION DATE: 12-31-2025								PROFILE SCALE: -
	ENGINEER: UDAY PATEL, PE, LEED BD+C, MECHANICAL ENGINEER DGN BY: CCJM DWN BY: CCJM CHD BY: UNP		BUREAU OF ENGINEERING AND CONSTRUCTION	REVIEWED BY:	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER
C.C. JOHNSON & MALHOTRA, P.C. 400 EAST FRANK STREET, SUITE 100 BALTIMORE, MD 21202 (P) 410-481-0000			DATE REVIEWED:						PROPERTY MANAGEMENT
DATE: 03/17/2024									APPROVED BY: _____ DIRECTOR
									APPROVED BY: _____ CHIEF

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE, PROPERTY MANAGEMENT

BCPL - White Marsh

MECHANICAL - PARTIAL FLOOR PLAN - DEMOLITION & NEW WORK

8133 SANDPIPER CIRCLE
BALTIMORE, MD 21226

ELECTION DIST. NO.:

SHEET DESIGNATION	CONTRACT NUMBER
M101	24066 P00
JOB ORDER NUMBER	
10611599	
SHEET 20 OF 29	
DRAWING NUMBER	
2024-0345	
FILE NO.: 10611599	

PLUMBING

ABBREVIATIONS	PIPING SPECIALTIES	PIPING DESIGNATIONS	ANNOTATIONS	GENERAL CONSTRUCTION NOTES
<p>AFF ABOVE FINISHED FLOOR AFG ABOVE FINISHED GRADE AFLR ABOVE FLOOR LEVEL RIM AHU AIR HANDLING UNIT APPROX APPROXIMATE ARCH ARCHITECTURAL AV ACID VENT AVR ACID VENT RISER AW ACID WASTE</p> <p>BLW BELOW FINISHED FLOOR BFF BELOW FINISHED GRADE BFG BELOW FINISHED GRADE BFP BACKFLOW PREVENTER BJ BETWEEN JOISTS BLDG BUILDING BOT BOTTOM BTU BRITISH THERMAL UNIT</p> <p>CB CATCH BASIN CIB CAST IRON BOOT CIP CAST IRON PIPE CLG CEILING CO2 CARBON DIOXIDE CO CLEANOUT CONC CONCRETE CONN CONNECT OR CONNECTION CONSTR CONSTRUCTION CONT CONTINUED/CONTINUATION COORD COORDINATE CHKV CHECK VALVE CW COLD WATER</p> <p>DEG OR ° DEGREE DF DRINKING FOUNTAIN DHW DOMESTIC HOT WATER DIA OR Ø DIAMETER DISC DISCONNECT DN DOWN DR DRAIN DWG DRAWING</p> <p>(E) EXST EXISTING EC ELECTRICAL CONTRACTOR ECO EXTERIOR CLEANOUT ELEC ELECTRICAL EL ELEVATION ERD EXISTING ROOF DRAIN EWS EYE WASH STATION EWC ELECTRIC WATER COOLER ETR EXISTING TO REMAIN EXST EXISTING EXP EXPOSED</p> <p>F FAHRENHEIT FCO FLOOR CLEANOUT FD FLOOR DRAIN FF EL FINISH FLOOR ELEVATION FIN GR FINISH GRADE FLR FLOOR FLA FLOOR LOAD AMPERES FLR SK FLOOR SINK FT FT OR FEET FT HD FEET OF HEAD FUT FUTURE FV FLUSH VALVE FV XFMR FLUSH VALVE TRANSFORMER</p> <p>GA GAUGE OR GAGE GAL GALLON GC GENERAL CONTRACTOR GEN GENERAL GPH GALLONS PER HOUR GPM GALLONS PER MINUTE G GROUND OR GRADE GTV GATE VALVE</p> <p>HT HEIGHT HC HEATING (HVAC) CONTRACTOR HCP HANDICAPPED (ACCESSIBLE) HP HORSE POWER HR HOUR HWR HOT WATER RECIRCULATION Hz HERTZ (FREQUENCY)</p> <p>ID INSIDE DIAMETER IN OR ° INCH INT INTERIOR INV INVERT</p> <p>W WASTE WI WITH WIO WITHOUT WC WATER CLOSET WCO WALL CLEANOUT WG WATER GAGE WHA WATER HAMMER ARRESTOR WM WATER METER WP WEATHERPROOF WPD WATER PRESS DROP WT WEIGHT WTR WATER TEMPERATURE RISE</p> <p>XMR TRANSFORMER YCO YARD CLEANOUT</p> <p>KW KILOWATT KWH KILOWATT HOUR LAV LAVATORY LF LINEAR FEET (FOOT) LBS OR # POUNDS MAX MAXIMUM MBH THOUSAND BTU PER HOUR MC MECHANICAL CONTRACTOR MECH MECHANICAL MFR MANUFACTURER MH MANHOLE MIN MINIMUM MSB MOP SERVICE BASIN MSB (E) MOP SERVICE BASIN (EXISTING) MTD MOUNTED MTG MOUNTING MV MEDICAL VACUUM</p> <p>NA NOT APPLICABLE N/E NORMALEMERGENCY POWER NC NORMALLY CLOSED NO NORMALLY OPEN NO NITROUS OXIDE NIC NOT IN CONTRACT NTS NOT TO SCALE O2 OXYGEN OC ON CENTER OFD OVERFLOW DRAIN OPNG OPENING</p> <p>PLBG PLUMBING PC PLUMBING CONTRACTOR PD PRESSURE DROP OR DIFFERENCE PH PHASE PIP PRE-INSULATED PIPE PR PUMPED RETURN PRESS PRESSURE PRV PRESSURE REDUCING VALVE OR PRESSURE RELIEF VALVE PSI POUNDS PER SQUARE INCH</p> <p>RD ROOF DRAIN RI ROUGH-IN RPM REVOLUTIONS/MINUTE RPZ REDUCED PRESSURE ZONE RV RELIEF VALVE RWL RAIN WATER LEADER</p> <p>S&C STUB & CAP S&W SOIL AND WASTE SAN SANITARY SHT SHEET SP SUMP PUMP SPEC SPECIFICATION SQ SQUARE SS SERVICE SINK SSD SUBSOIL DRAIN ST W STORM WATER STD STANDARD STL STEEL SUSP SUSPENDED SW SWITCH</p> <p>TEMP TEMPERATURE TDH TOTAL DYNAMIC HEAD THRU THROUGH TJ THROUGH JOISTS TW TEMPERED WATER TMMV THERMOSTATIC WATER MIXING VALVE TYP TYPICAL</p> <p>UE UNDER ELECTRICAL UG UNDER GENERAL UH UNIT HEATER UNDER HVAC UP UNDER PLUMBING UNO UNLESS NOTED OTHERWISE UR URINAL VAC VACUUM VFD VARIABLE FREQUENCY DRIVE VIF VERIFY IN FIELD VR VENT RISER VRS VENT STACK VTR VENT THROUGH ROOF</p>	<p>PIPE ANCHOR END CAP PIPE DROP PIPE RISER PIPE TEE OFF BOTTOM CONCENTRIC/ECCENTRIC REDUCER UNION (SCREWED) MINIMUM UNION (FLANGED) PRESSURE/TEMPERATURE TEST FITTING ALIGNMENT GUIDE EXPANSION JOINT W/ ALIGNMENT GUIDES FLEXIBLE CONNECTOR EXPANSION COMPENSATOR EXPANSION LOOP STRAINER WITH HOSE END BLOW OFF VALVE STRAINER PUMP</p> <p>BALANCING VALVE BALL VALVE BUTTERFLY VALVE CHECK VALVE DRAIN VALVE GLOBE VALVE NEEDLE VALVE PLUG VALVE PRESSURE REDUCING VALVE PRESSURE REGULATOR VALVE PRESSURE RELIEF VALVE SAFETY RELIEF VALVE SHUT OFF VALVE SOLENOID VALVE STOP CHECK VALVE THROTTLE VALVE TRIPLE-DUTY VALVE DOUBLE CHECK VALVE HOT WATER TEMPER VALVE GAS COCK/GAS STOP VALVE COMPRESSED AIR SHUT-OFF VALVE THERMOMETER (DIAL TYPE) THERMOMETER (STEM TYPE) PRESSURE GAUGE WITH NEEDLE VALVE FLOW METER ROOF DRAIN (RD) OVERFLOW ROOF DRAIN (ORD)</p> <p>FLOOR SINK (FS) FLOOR DRAIN (FD) OPEN SITE DRAIN WATER HAMMER ARRESTOR FLOOR CLEANOUT WALL CLEANOUT OVERHEAD PIPE CLEANOUT HOSE BIBB (HB) WALL HYDRANT (WH)</p>	<p>DOMESTIC COLD WATER PIPING DOMESTIC HOT WATER PIPING 140 DOMESTIC 140°F HOT WATER PIPING DOMESTIC HOT WATER RECIRCULATION PIPING 140R DOMESTIC HIGH TEMP. WATER RECIRCULATION PIPING TW TEMPERED HOT WATER PIPING SS SANITARY SEWER PIPING (ABOVE FLOOR) SS SANITARY SEWER PIPING (BELOW FLOOR) SSx SANITARY SEWER PIPING (EXISTING) CD CONDENSATE DRAIN CDx CONDENSATE DRAIN (EXISTING) ST STORM DRAIN PIPING (ABOVE FLOOR) EST EMERGENCY STORM DRAIN PIPING (ABOVE FLOOR) ST STORM DRAIN PIPING (BELOW FLOOR) EST EMERGENCY STORM DRAIN PIPING (BELOW FLOOR) PSAN PUMPED SANITARY PIPING V VENT PIPING Vx VENT PIPING (EXISTING) NO MEDICAL NITROUS OXIDE PIPING O2 MEDICAL OXYGEN PIPING O2x MEDICAL OXYGEN PIPING (EXISTING) MV MEDICAL VACUUM PIPING CO2 MEDICAL CARBON DIOXIDE PIPING CO2x MEDICAL CARBON DIOXIDE PIPING (EXISTING) G NATURAL GAS (LOW PRESSURE) PIPING MPS NATURAL GAS (MEDIUM PRESSURE) PIPING HPG NATURAL GAS (HIGH PRESSURE) PIPING GV NATURAL GAS VENT CA COMPRESSED AIR PIPING FOD FUEL OIL DISCHARGE FOG FUEL OIL GAGE FOS FUEL OIL SUPPLY FOR FUEL OIL RETURN FOV FUEL OIL VENT ACID ACID WASTE AV ACID VENT DE DEIONIZED WATER GW GREASE WASTE WATER CONTINUED FLOW DIRECTION</p>	<p>AREA OF REVISION REVISION SEQUENCE NUMBER KEYED NOTE DEMOLITION KEYED NOTE POINT OF CONNECTION TO EXISTING SYSTEM POINT OF DISCONNECTION FROM EXISTING SYSTEM DETAIL NUMBER SHEET NUMBER SECTION NUMBER SHEET NUMBER PHOTO SECTION (DIRECTION OF VIEW) EXISTING TO REMAIN NEW WORK DEMOLITION WORK EXISTING (INDICATED W/ SLANTED TEXT)</p>	<p>1. ALL DIMENSIONS, PIPE SIZES, AND EXISTING CONDITIONS SHALL BE VERIFIED AT THE SITE BY THE CONTRACTOR.</p> <p>2. BEFORE STARTING WORK MAKE A THOROUGH EXAMINATION OF THOSE PORTIONS OF THE STRUCTURE IN WHICH THE WORK IS TO BE PERFORMED. CHECK ALL THE WORK ADJOINING, AT OVERHEAD LOCATIONS, AND LOCATIONS BELOW THE FLOOR. REPORT TO THE OWNER ANY AND ALL CONDITIONS WHICH MAY INTERFERE WITH OR OTHERWISE AFFECT OR PREVENT THE PROPER EXECUTION AND COMPLETION OF THE WORK. DO NOT START THE WORK UNTIL SUCH CONDITIONS HAVE BEEN EXAMINED AND COURSES OF ACTION HAVE BEEN MUTUALLY AGREED UPON.</p> <p>3. EXISTING FINISHES TO REMAIN THAT ARE DISTURBED BY DEMOLITION SHALL BE REFINISHED TO MATCH EXISTING. REPAIR AND/OR REPLACE ALL EXISTING CONSTRUCTION NOT SCHEDULED OR NOTED TO BE DEMOLISHED OR NOT SPECIFIED TO BE REMOVED, BUT WHICH IS REMOVED FOR, OR BECOMES DAMAGED BY, THE WORK. REPLACEMENTS AND MODIFICATIONS SHALL RESTORE REMOVED OR DAMAGED CONSTRUCTION TO ITS ORIGINAL CONDITION AT THE TIME OF REMOVAL OR DAMAGE, TO THE SATISFACTION OF AND AT NO ADDITIONAL COST TO THE OWNER.</p> <p>4. BEFORE STARTING DEMOLITION OPERATIONS, PROVIDE THE NECESSARY PROTECTIVE DEVICES WHERE REQUIRED, AND IN STRICT ACCORDANCE WITH OSHA RULES AND REGULATIONS.</p> <p>5. CONTRACTOR MUST HAVE SEPARATE CONTAINERS FOR WASTE AND RECYCLING. WASTE MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFF THE SITE, ON A REGULAR BASIS, IN A LEGAL MANNER. RECYCLABLE MATERIALS SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AND SHALL BE RECYCLED AT APPROVED FACILITY. COORDINATE COLLECTION SITE/LOCATION WITH THE OWNER.</p> <p>6. PATCH, FILL AND REPAIR ALL SURFACES DISTURBED, CUT, DAMAGED, IN NEED OF REPAIR OR MADE IMPERFECT BY ALTERATIONS OR REMOVAL WORK AND AS REQUIRED TO PREPARE SURFACES FOR NEW MATERIALS AND ARRANGEMENTS.</p> <p>7. PRIOR TO THE DEMOLITION OF THOSE ITEMS WHICH HAVE UTILITY CONNECTIONS (WATER, GAS, ELECTRICITY, STEAM, WASTE, SANITARY, ETC.), THE CONTRACTOR SHALL ARRANGE WITH THE OWNER TO LOCATE SHUTOFF VALVES, PANEL BOXES AND OTHER CONTROL ELEMENTS, SO THAT WATER DAMAGE AND OTHER POTENTIALLY INCONVENIENT OR DANGEROUS SITUATIONS ARE AVOIDED. DO NOT INTERRUPT ANY UTILITY SERVICES FOR ANY PURPOSE WITHOUT PRIOR WRITTEN APPROVAL OF THE OWNER. CONTRACTOR SHALL BE RESPONSIBLE FOR RESEARCHING ALL SYSTEMS THAT A PARTICULAR OUTAGE WILL AFFECT AS WELL AS LOCATING ALL SHUTOFF POINTS. THIS INFORMATION SHALL BE INCLUDED IN THE OUTAGE PLAN TO BE SUBMITTED TO OWNER FOR APPROVAL. ALL OUTAGE REQUESTS SHALL COMPLY WITH THE REQUIREMENTS OF THE OWNER.</p> <p>8. EXISTING FIRE BARRIERS SHALL BE MAINTAINED DURING DEMOLITION AND CONSTRUCTION. FIRESTOP ALL EXISTING PENETRATIONS IN FIRE BARRIERS THAT ARE NOT PROTECTED, AND FIRESTOP ALL NEW PENETRATIONS UNDER DIRECT SUPERVISION OF OWNER'S REPRESENTATIVE.</p> <p>9. REFER TO ARCHITECTURAL, STRUCTURAL, ELECTRICAL, MECHANICAL, AND FIRE PROTECTION DRAWINGS FOR ADDITIONAL REQUIREMENTS & COORDINATE ALL WORK.</p> <p>10. CONTRACTOR IS PROHIBITED FROM MAKING PENETRATIONS IN ANY BUILDING STRUCTURE WITHOUT THE AUTHORIZATION FROM A STRUCTURAL ENGINEER AND THE BUILDING OWNER REPRESENTATIVE. SUBMIT SCALED DRAWINGS OR SKETCHES INDICATING DIMENSIONED LOCATION AND SIZE OF ALL PROPOSED PENETRATIONS WITHIN STRUCTURAL SLABS, FLOORS, ROOFS, CEILINGS, AND WALLS. AUTHORIZATION SHALL INCLUDE A SEAL OF APPROVAL FROM A REGISTERED PROFESSIONAL STRUCTURAL ENGINEER AND A SIGNED LETTER FROM THE OWNER REPRESENTATIVE. PERFORM X-RAYS AND/OR GPR OF AREAS TO BE PENETRATED TO VERIFY THE SLAB/WALLS ARE FREE OF OBSTRUCTIONS. CORE DRILL PENETRATIONS THROUGH THE EXISTING FLOOR SLAB.</p>

PLUMBING FIXTURES SCHEDULE

TAG	DESCRIPTION	CONNECTIONS ROUGH-IN SIZE (INCHES)					REMARKS
		COLD WATER	HOT WATER	TEMPERED WATER	WASTE	VENT	
WC-1	WATER CLOSET	1"	-	-	4"	2"	1/28 GPF, FLOOR MOUNTED, MANUAL FLUSH TANK TYPE WATER CLOSET WITH 15" AFF RIM HEIGHT. TOTO MODEL CST744EGN WATER CLOSET; SC534 ELONGATED OPEN FRONT SEAT. TRIP LEVER ON OPEN SIDE OF THE TOILET.
WC-1A	WATER CLOSET - ADA	1"	-	-	4"	2"	ACCESSIBLE, 1/28 GPF, FLOOR MOUNTED, MANUAL FLUSH TANK TYPE WATER CLOSET WITH 17" AFF RIM HEIGHT. TOTO MODEL CST744EGN(G) WATER CLOSET; SC534 ELONGATED OPEN FRONT SEAT. TRIP LEVER ON OPEN SIDE OF THE TOILET.
UR-1A	URINAL - ADA	3/4"	-	-	2"	1-1/2"	ACCESSIBLE, 0.5 GPF, WALL MOUNTED WASHOUT URINAL WITH MANUAL EXPOSED TOP SPUD FLUSHMETER AND RIM HEIGHT 24" AFF. TOTO MODEL UT447E URINAL, THU3017 STAINLESS STEEL URINAL DRAIN COVER & SLOAN VALVE MODEL REGAL 186-0.5XL FLUSHMETER
SK-1	COUNTERTOP SINK	1/2"	1/2"	-	2"	1-1/2"	UNDERCOUNTER, 316 STAINLESS STEEL SINGLE BOWL SINK, ELKAY MODEL ELUH241610P SINK, CONCEALED WIDESPREAD MIXING FAUCET W/ 6" SWIVEL GOOSENECK SPOUT, 1.5 GPM PRESSURE COMPENSATING VANDAL RESISTANT NON-AERATING LAMINAR OUTLET, HOT AND COLD 6" ELBOW BLADE HANDLES, AND QUARTER TURN CERAMIC CARTRIDGE. 1&S FAUCET MODEL B-2866-LF15 WITH B-0199-29VR. OTHER ACCESSORIES AND CABINETS SPECIFIED ON ARCHITECTURAL PLANS & SPECIFICATIONS. PROVIDE SI-1 INTERCEPTOR. [NOTE 2]
L-1A	LAVATORY - ADA	1/2"	1/2"	-	2"	1-1/2"	ACCESSIBLE, WALL MOUNTED LAVATORY WITH FRONT INTEGRAL OVERFLOW, CENTER FLAT STRAINER DRAIN, COLOR SELECTED BY ARCHITECT, TOTO MODEL LT307.4. MANUAL-TYPE SINGLE-CONTROL MIXING FAUCET WITH 0.5 GPM LAMINAR SPRAY OUTLET, MOEN FAUCET MODEL 8210 [NOTE 2, 3, 7]
L-2A	SOLID SURFACE LAVATORY - ADA	1/2"	1/2"	-	2"	1-1/2"	ACCESSIBLE, FIXTURE BY GENERAL CONTRACTOR. MANUAL-TYPE SINGLE-CONTROL MIXING FAUCET WITH 0.5 GPM LAMINAR SPRAY OUTLET, MOEN FAUCET MODEL 8210 [NOTE 2, 7]
EWC-1	ELECTRIC WATER COOLER W/BOTTLE FILLER - ADA	3/4"	-	-	1-1/2"	1-1/2"	ACCESSIBLE WALL MOUNTED, DUAL STATION WATER COOLER WITH BOTTLE FILLING STATION, BARRIER FREE, LEAD FREE, FLEXIBLE BUBBLE GUARD, STAINLESS STEEL FINISH. ELKAY MODEL LZSTL8WSSP OR APPROVED EQUAL. [NOTE 5]
PT	PLASTER TRAP	-	-	-	2"	-	BOTTOM DRAIN CONNECTION. SEE ARCHITECTURAL DRAWINGS.
FD	FLOOR DRAIN	-	-	-	3"	1-1/2"	DEEP SEAL TRAP WITH PROSET TRAPGUARD

SCHEDULE NOTES:

- COORDINATE MOUNTING HEIGHTS AND LOCATIONS FOR ALL FIXTURES BEFORE INSTALLATION. REFER TO ARCHITECTURAL ELEVATION DRAWINGS. ROUGH-IN AND INSTALL BARRIER-FREE/ACCESSIBLE FIXTURES PER ADA REQUIREMENTS. COORDINATE AUTOMATIC FLUSH VALVE HEIGHT WITH GRAB BARS.
- FAUCET AS SPECIFIED; OFFSET TRAP; PROVIDE INSULATION ON WASTE AND WATER SUPPLIES.
- PROVIDE FLOOR MOUNTED CHAIR-CARRIER TYPE FIXTURE SUPPORTS FOR EACH OFF-THE-FLOOR MOUNTED FIXTURE SUCH AS LAVATORIES, URINALS, WATER CLOSETS, WATER COOLERS, AND SIMILAR OTHER FIXTURES.
- HEAVY DUTY, ONE-PIECE CONSTRUCTION, CHROME PLATED BRASS, VANDAL-RESISTANT BUBBLERS. PROVIDE CANE APRON LKAPREZL, FRONT ACCESS STAINLESS STEEL PANEL, MLP100 IN-WALL SUPPORT FRAME, AND 51300C WATERSENTRY PLUS FILTER AND WATERSENTRY VII FILTER KIT. 8 GPH CAPACITY. 120 VOLT, 1 PHASE, 60 Hz.
- HEAVY DUTY, ONE-PIECE CONSTRUCTION, CHROME PLATED BRASS, VANDAL-RESISTANT BUBBLERS. PROVIDE CANE APRON LKAPREZL, FRONT ACCESS STAINLESS STEEL PANEL, MLP200 IN-WALL SUPPORT FRAME, AND 51300C WATERSENTRY PLUS FILTER AND WATERSENTRY VII FILTER KIT. 8 GPH CAPACITY. 120 VOLT, 1 PHASE, 60 Hz.
- PIPE WASTE FROM THE FIXTURE AS INDIRECT WASTE TO NEAREST FLOOR DRAIN/FLOOR SINK. PROVIDE READY ACCESS FOR INDIRECT WASTE PIPING FOR MEANS OF FLUSH COLLECTION PER OSHA MANDATED USER TESTING.
- PROVIDE MANUFACTURED PROTECTIVE SHIELDING PIPE COVERS AND ENCLOSURES FOR COVERING EACH ADA PLUMBING FIXTURE HOT- AND COLD-WATER SUPPLIES AND TRAP AND DRAIN PIPING TO COMPLY WITH ADA REQUIREMENTS. TRUEBRO LAV GUARD2 OR APPROVED EQUAL.

PLUMBING SPECIALTIES SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	MODEL	CAPACITY	REMARKS
CO	CLEANOUT - FLOOR (VCT/CERAMIC TILE)	ZURN	ZB-1400-BP-TX	MINIMUM 4" OR LINE SIZE (UNO)	NOTE 1
WCO	CLEANOUT - WALL	ZURN	Z-1447-BP	MINIMUM 4" OR LINE SIZE (UNO)	NOTE 1
CO AP	CLEANOUT - ACCESS PANEL	ACUDOR	UF-5000-PS-CL-16X16	-	PROVIDE FOR ALL EXISTING AND NEW WALL CLEANOUTS
FD	FLOOR DRAIN - VCT/CERAMIC TILE	ZURN	ZN-415-6S-HD-VP	6" X 6" HEAVY DUTY STRAINER, MIN. 3" OR LINE SIZE (UNO)	PROVIDE DEEP SEAL TRAP AND PROSET TRAP GUARD. NOTE 2
WHA	WATER HAMMER ARRESTER	ZURN	Z-1700	AS PER PDI	
Si-1	SOLIDS INTERCEPTOR (PLASTER TRAP)	ZURN	ZA-1180-SS	15 GPM FLOW RATE, 2" INLET & OUTLET	TOP ACCESS FOR INSIDE CABINET INSTALLATION, STAINLESS STEEL 3/32" DIA PERFORATED SCREEN

PLUMBING SPECIALTIES SCHEDULE NOTES:

- REPLACE CLEANOUT COVERS TO MATCH EXISTING SIZE AND SHAPE FOR ALL FLOOR AND WALL CLEANOUTS TO SUIT NEW FINISHES IN PROJECT WORK AREA, WHETHER SHOWN OR NOT.
- REPLACE FLOOR DRAIN STRAINERS TO MATCH EXISTING SIZE AND SHAPE FOR ALL FLOOR DRAINS TO SUIT NEW FINISHES IN PROJECT WORK AREA, WHETHER SHOWN OR NOT.

PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHIT	DRAWING SCALE
<p>SEAL OF STATE OF MARYLAND PROFESSIONAL ENGINEER</p> <p>I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.</p> <p>LICENSE NO. 22912 EXPIRATION DATE: 10-24-2025</p> <p>ENGINEER: UDAY PATEL, P.E. LEED BD+C MECHANICAL ENGINEER C.C. JOHNSON & MALHOTRA, P.C. 140 EAST PRICKET STREET, SUITE 403 BALTIMORE, MD 21202 (7) 410-961-0920</p>	BID/PERMIT SET		10.15.2024	-	-	-	PLAN SCALE: As indicated
	DGN BY: CCJM	BUREAU OF ENGINEERING AND CONSTRUCTION	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER
DWN BY: CCJM	REVIEWED BY:						APPROVED BY: _____
CHKD BY: UNP	DATE REVIEWED:						APPROVED BY: _____
							DATE: _____

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE, PROPERTY MANAGEMENT

BCPL - White Marsh

PLUMBING - SCHEDULES, LEGEND, AND ABBREVIATIONS

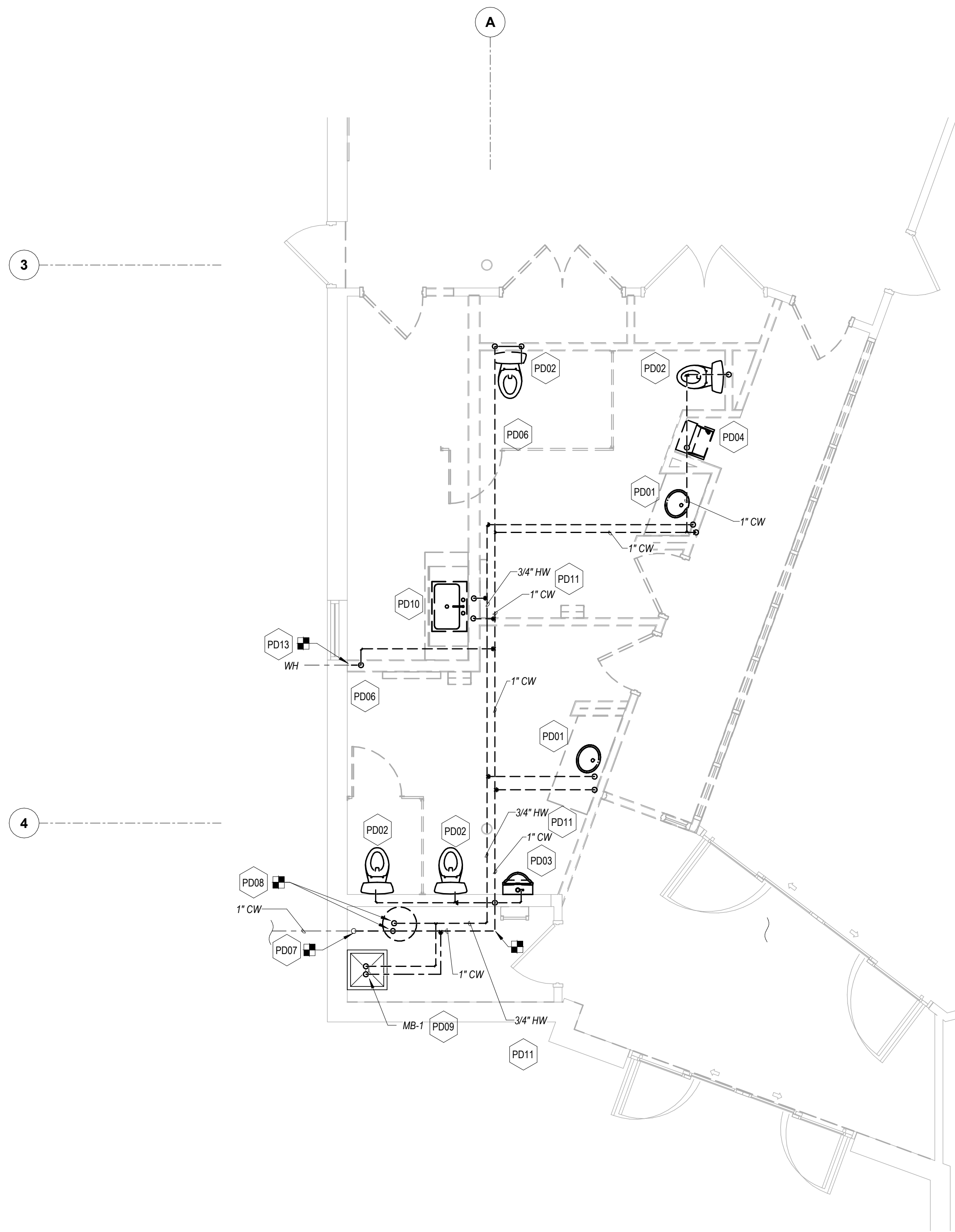
8133 SANDPIPER CIRCLE
BALTIMORE, MD 21226

ELECTION DIST. NO.:

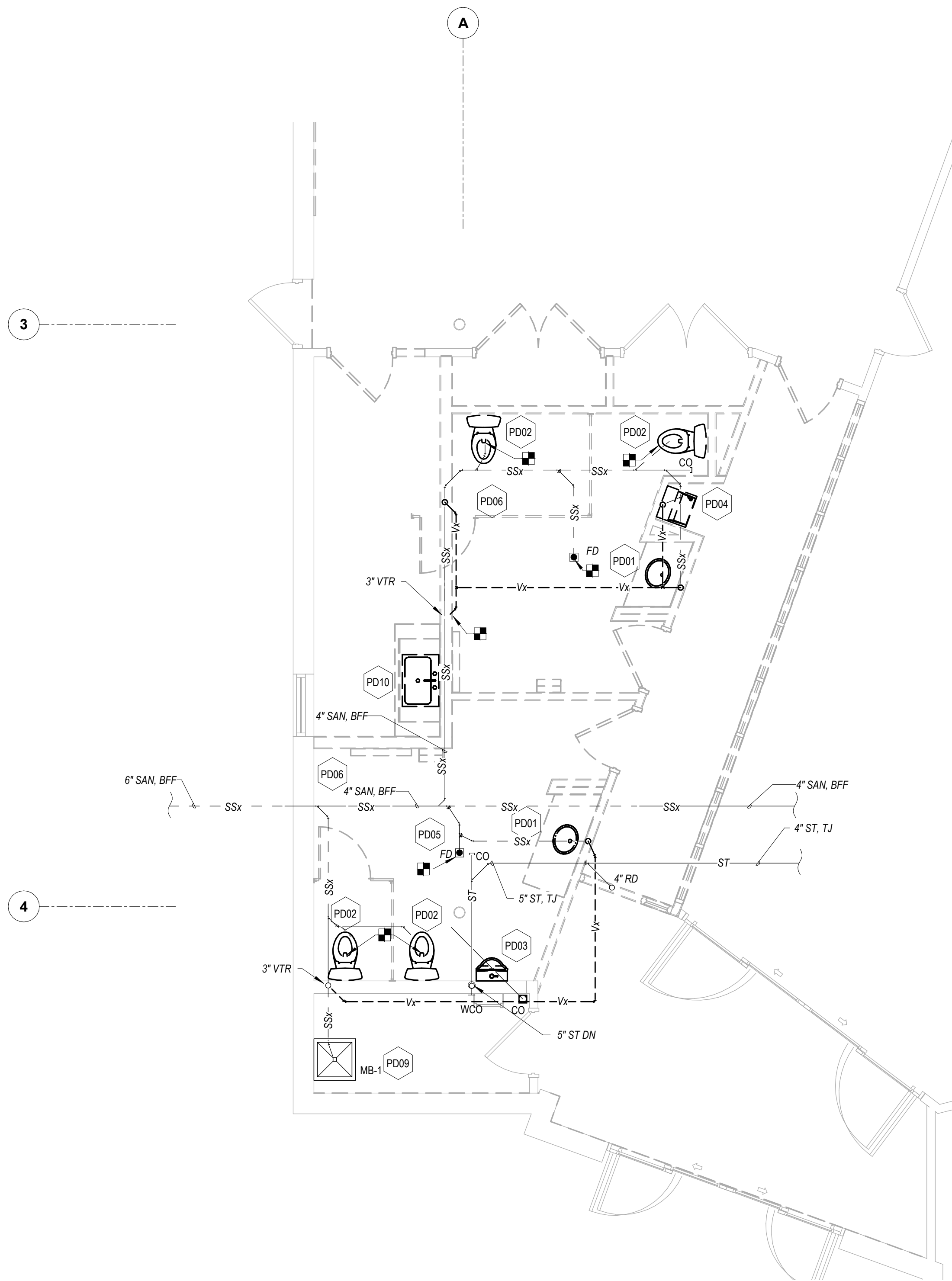
SHEET DESIGNATION	CONTRACT NUMBER
P001	24066 P00
	JOB ORDER NUMBER
	10611599
	SHEET 21 OF 29
	DRAWING NUMBER
	2024-0346
	FILE NO: 10611599

PLUMBING KEYED NOTES - DEMOLITION

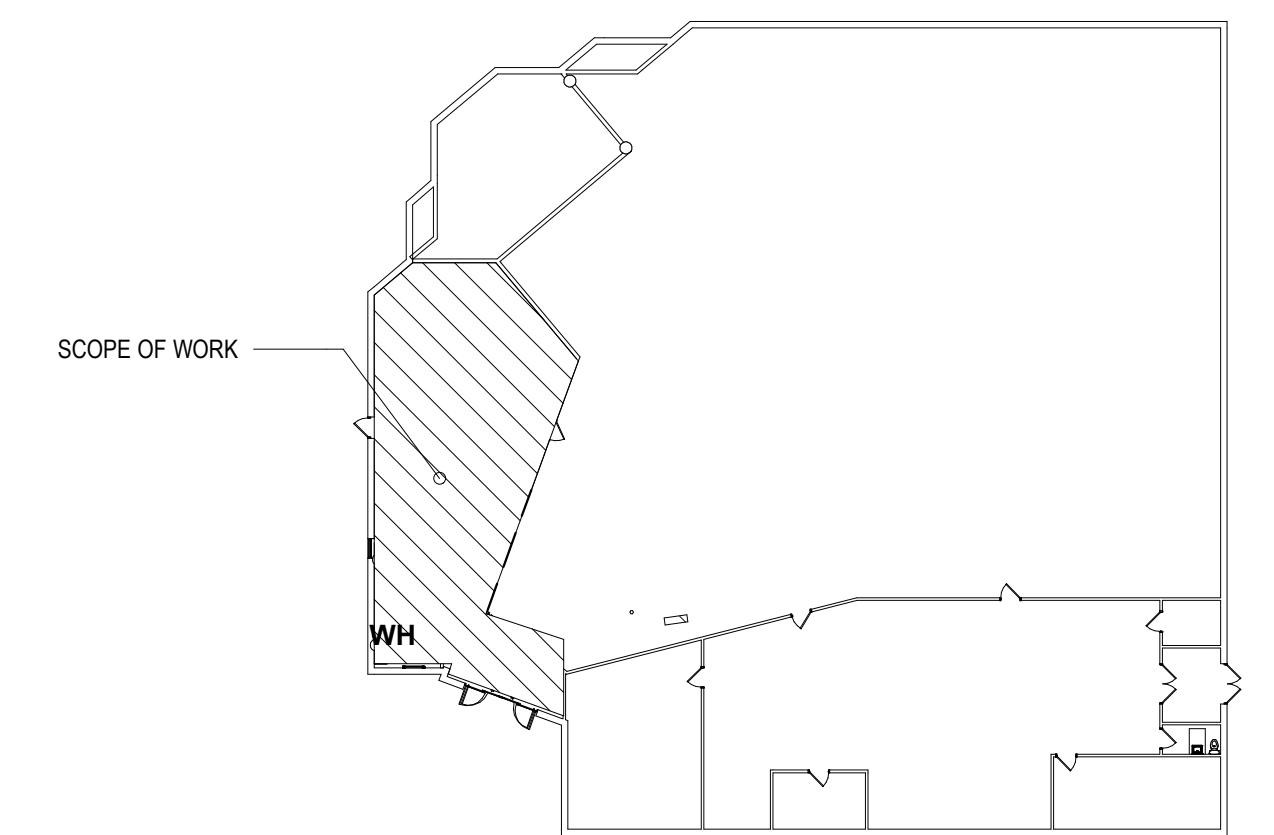
NOTE #	NOTES
PD01	REMOVE WALL HUNG LAVATORY AND ALL ASSOCIATED SUPPORTS, ROUGH-INS, ACCESSORIES, HOT & COLD WATER, WASTE & VENT PIPING, ETC. IN THEIR ENTIRETY. DISCONNECT AND CAP-OFF EXISTING PIPING IN WALL/CEILING/FLOOR AT THE NEAREST MAIN PIPING WHERE NOT REUSED. DO NOT ABANDON UNUSED PORTION OF THE PIPING.
PD02	REMOVE FLOOR MOUNTED WATER CLOSET AND ALL ASSOCIATED SUPPORTS, ROUGH-INS, ACCESSORIES, COLD WATER, SANITARY & VENT PIPING, ETC. IN THEIR ENTIRETY. DISCONNECT AND CAP-OFF EXISTING PIPING IN WALL/CEILING/FLOOR AT THE NEAREST MAIN PIPING WHERE NOT REUSED. DO NOT ABANDON UNUSED PORTION OF THE PIPING.
PD03	REMOVE WALL HUNG URINAL AND ALL ASSOCIATED SUPPORTS, ROUGH-INS, ACCESSORIES, COLD WATER, SANITARY & VENT PIPING, ETC. IN THEIR ENTIRETY. DISCONNECT AND CAP-OFF EXISTING PIPING IN WALL/CEILING/FLOOR AT THE NEAREST MAIN PIPING WHERE NOT REUSED. DO NOT ABANDON UNUSED PORTION OF THE PIPING.
PD04	REMOVE DRINKING FOUNTAIN/WATER COOLER AND ALL ASSOCIATED SUPPORTS, ROUGH-INS, ACCESSORIES, COLD WATER, WASTE & VENT PIPING, ETC. IN THEIR ENTIRETY. DISCONNECT AND CAP-OFF EXISTING PIPING IN WALL/CEILING/FLOOR AT THE NEAREST MAIN PIPING WHERE NOT REUSED. DO NOT ABANDON UNUSED PORTION OF THE PIPING.
PD05	DISCONNECT AND REMOVE FLOOR DRAIN AND ALL ASSOCIATED SANITARY & VENT PIPING, ETC. IN THEIR ENTIRETY. DISCONNECT AND CAP-OFF EXISTING PIPING IN WALL/CEILING/FLOOR AT THE NEAREST BRANCH PIPING WHERE NOT REUSED. PATCH AND FINISH UNUSED FLOOR OPENING. DO NOT ABANDON UNUSED PORTION OF THE PIPING. REMOVE CLEANOUT COVERS AND FLOOR DRAIN STRAINERS AND PREPARE FOR NEW COVERS AND STRAINERS TO SUIT NEW FINISHES WITHIN RENOVATION PROJECT AREAS.
PD06	DISCONNECT AND REMOVE ABOVEGROUND SANITARY/WASTE AND VENT PIPING IN THEIR ENTIRETY FROM THE POINT OF DISCONNECTION SHOWN. DISCONNECT AND CAP-OFF PIPING IN WALL/CEILING/FLOOR AT THE NEAREST BRANCH PIPING WHERE NOT REUSED. PATCH AND FINISH UNUSED FLOOR OPENING. DO NOT ABANDON UNUSED PORTION OF THE PIPING. PREPARE EXISTING PIPING FOR NEW CONNECTION AS SHOWN NEW WORK PLAN.
PD07	DISCONNECT AND REMOVE THE COLD WATER SERVICE RISER ABOVE FLOOR AND ASSOCIATED SHUT-OFF VALVE AND HOSE END DRAIN.
PD08	DISCONNECT AND REMOVE WATER HEATER AND ALL ASSOCIATED COLD AND HOT WATER PIPING, RELIEF DRAIN PIPING, ETC. IN THEIR ENTIRETY. EXISTING ELECTRIC WATER HEATER IS BRADFORD WHITE MODEL RE120U6-1NAL, 19 GALLON, 1.5 KW, 120V/1PH/60HZ. SALVAGE WATER HEATER FOR REINSTALLATION AT NEW LOCATION SHOWN ON NEW WORK PLAN.
PD09	EXISTING MOP BASIN IN JANITOR S ROOM TO REMAIN. DISCONNECT AND REMOVE COLD AND HOT WATER PIPING FROM THE FAUCET. EXISTING WASTE AND VENT TO REMAIN.
PD10	REMOVE KITCHEN SINK AND ALL ASSOCIATED SUPPORTS, ROUGH-INS, ACCESSORIES, HOT & COLD WATER, WASTE & VENT PIPING, ETC. IN THEIR ENTIRETY. DISCONNECT AND CAP-OFF EXISTING PIPING IN WALL/CEILING/FLOOR AT THE NEAREST MAIN PIPING WHERE NOT REUSED. DO NOT ABANDON UNUSED PORTION OF THE PIPING.
PD11	REMOVE CW AND HW PIPING SERVING PLUMBING FIXTURES BEING REMOVED IN THEIR ENTIRETY FROM THE POINT OF DISCONNECTION SHOWN. PREPARE EXISTING PIPING FOR NEW CONNECTION AS SHOWN NEW WORK PLAN. REMOVE AND REPLACE PIPING INSULATION OF ALL EXISTING DOMESTIC WATER PIPING OCCURRING ABOVE THE CEILING IN THE RESTROOMS AND MEETING ROOM BEING RENOVATED.
PD13	DISCONNECT AND REMOVE 3/4" CW PIPING TO WALL HYDRANT. EXISTING WALL HYDRANT TO REMAIN. PREPARE PIPING FOR RECONNECTION.



1 PLUMBING - PARTIAL FLOOR PLAN - DOMESTIC WATER - DEMOLITION
1/4" = 1'-0"



2 PLUMBING - PARTIAL FLOOR PLAN - SANITARY AND VENT - DEMOLITION
1/4" = 1'-0"



3 KEY PLAN
1" = 30'-0"

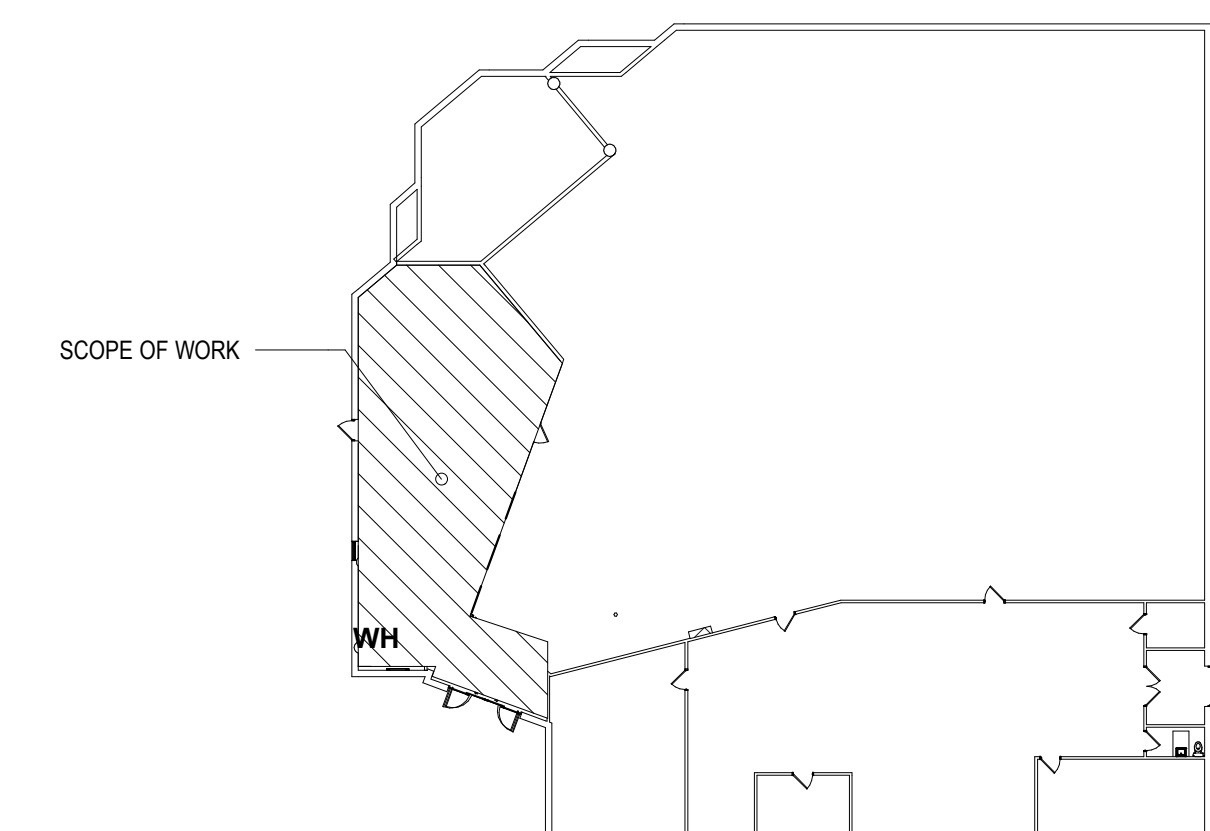
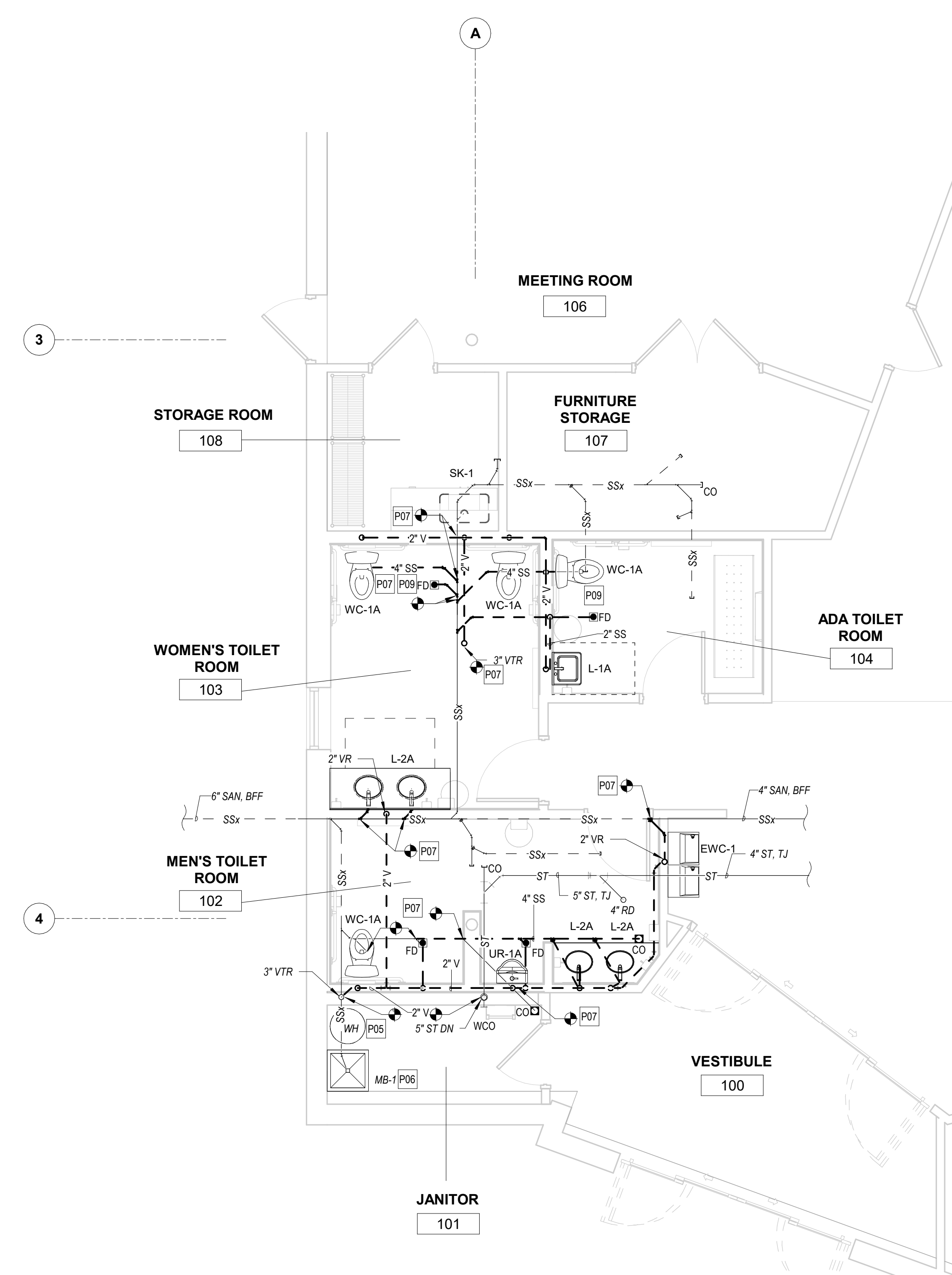
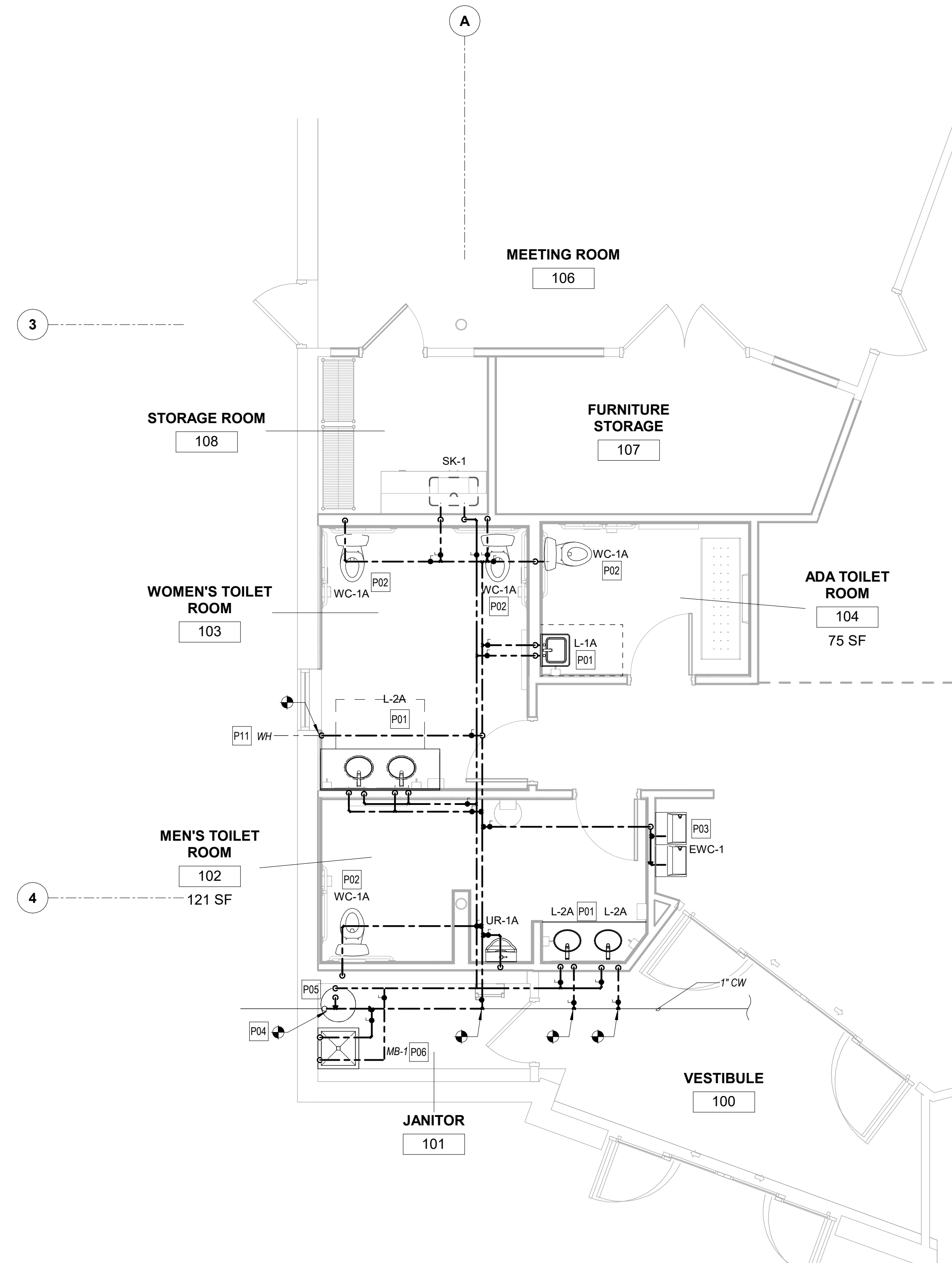
	PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 22942 EXPIRATION DATE: 12-24-2024		AS-BUILT / REVISION BID/PERMIT SET	BY: CCJM DATE: 03/17/2024	P.W.A. NO. - KEY SHEET - POSITION SHIT - DRAWING SCALE -	PLAN SCALE: As Indicated PROFILE SCALE:	APPROVED BY: _____ DATE: _____ DIRECTOR
	ENGINEER: UDAY PATEL, PE, LEED BD+C MECHANICAL ENGINEER C.C. JOHNSON & MALHOTRA, P.C. 400 EAST PRAIRIE STREET, SUITE 100 BALTIMORE, MD 21202 (P) 410-481-0000		BUREAU OF ENGINEERING AND CONSTRUCTION	HIGHWAYS STRUCTURES STORM DRAINS SEWER WATER FIELD ENGINEER	PROPERTY MANAGEMENT	APPROVED BY: _____ DATE: _____ CHIEF	
	DGN BY: CCJM DWN BY: CCJM CHD BY: UNP		REVIEWED BY: DATE REVIEWED:	SUBDIVISION:	BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE, PROPERTY MANAGEMENT BCPL - White Marsh PLUMBING - PARTIAL FLOOR PLAN - DEMOLITION 8133 SANDPIPER CIRCLE BALTIMORE, MD 21226	ELECTION DIST. NO.:	
	DATE: 03/17/2024		ALL DRAWINGS ARE PROTECTED BY FEDERAL COPYRIGHT BY C.C. JOHNSON & MALHOTRA, P.C. AND CAN NOT BE REPRODUCED OR MODIFIED IN ANY MANNER WITHOUT WRITTEN PERMISSION. DOCUMENTS MAY NOT BE USED IN PART OR WHOLE TO DEVELOP THE DESIGN OF ANOTHER BUILDING WITHOUT EXPRESS WRITTEN PERMISSION BY C.C. JOHNSON & MALHOTRA, P.C.				

SHEET DESIGNATION	CONTRACT NUMBER
P101	24066 P00
JOB ORDER NUMBER	10611599
SHEET 22 OF 29	DRAWING NUMBER
2024-0347	FILE NO.: 10611599

DWG. RELEASE

PLUMBING KEYED NOTES - NEW WORK

NOTE #	NOTES
P01	PROVIDE 1/2" CW & HW, 2" WASTE AND 1-1/2" VENT PIPING FOR LAVATORY. CUT & PATCH WALL/FLOOR TO EXTEND NEW PIPING AND CONNECT TO EXISTING SANITARY PIPING BELOW FLOOR TO APPROPRIATE INVERT ELEVATION.
P02	PROVIDE 1" CW, 4" SANITARY AND 2" VENT PIPING FOR WATER CLOSET. CUT & PATCH WALL/FLOOR TO EXTEND NEW PIPING AND CONNECT TO EXISTING SANITARY PIPING BELOW FLOOR TO APPROPRIATE INVERT ELEVATION.
P03	PROVIDE 1/2" CW, 1-1/2" WASTE ABOVEGROUND, 2" WASTE BELOW GROUND AND 1-1/2" VENT PIPING FOR WATER COOLER. CUT & PATCH WALL/FLOOR TO EXTEND NEW PIPING AND CONNECT TO EXISTING SANITARY PIPING BELOW FLOOR TO APPROPRIATE INVERT ELEVATION.
P04	CONNECT NEW 1" CW TO EXISTING SERVICE RISER WITH SHUTOFF VALVE AND 1" REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER IN THE RISER.
P05	REINSTALL EXISTING WATER HEATER ON NEW 4" CONCRETE PAD AND DRAIN PAN. EXTEND CW AND HW WITH SHUTOFF VALVES IN EACH RISER. EXTEND RELIEF VALVE DRAIN TO MOP BASIN.
P06	PROVIDE 3/4" CW & HW TO EXISTING MOP BASIN AND CONNECT TO EXISTING FAUCET.
P07	PROVIDE AND EXTEND CW & HW, WASTE, SANITARY, AND VENT PIPING TO THE EXTENT SHOWN. CONNECT NEW PIPING TO EXISTING PIPING OF SAME OR LARGER SIZE WHERE SHOWN. PROVIDE SHUT-OFF VALVES IN CW & HW BRANCH PIPING TO EACH RESTROOM. ROD, CLEAN, AND PREPARE EXISTING UNDERGROUND SANITARY PIPING FOR NEW CONNECTION AT APPROPRIATE INVERT ELEVATION. PROVIDE WATER HAMMER ARRESTER ON HW AND CW PIPING.
P09	PROVIDE 3" FLOOR DRAIN AND ALL ASSOCIATED SANITARY & VENT PIPING, ETC. IN THEIR ENTIRETY. CUT & PATCH WALL/FLOOR TO EXTEND NEW WASTE/VENT PIPING AND CONNECT TO EXISTING SANITARY PIPING BELOW FLOOR TO APPROPRIATE INVERT ELEVATION. PROVIDE SQUARE, POLISHED NICKEL BRONZE CLEANOUT COVERS TO SUIT NEW FLOOR FINISHES WITHIN RENOVATED PROJECT AREAS.
P11	EXTEND AND RECONNECT 3/4" CW PIPING FROM NEW 1" CW MAIN WITH SHUT-OFF VALVE TO EXISTING WALL HYDRANT.



1 PLUMBING - PARTIAL FLOOR PLAN - DOMESTIC WATER - NEW WORK
1/4" = 1'-0"

2 PLUMBING - PARTIAL FLOOR PLAN - SANITARY AND VENT - NEW WORK
1/4" = 1'-0"

3 KEY PLAN
1" = 30'-0"

SEAL	PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHIT	DRAWING SCALE	APPROVED BY:	
	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 22942 EXPIRATION DATE 12-24-2025 ENGINEER: UDAY PATEL, PE, LEED BD+C MECHANICAL ENGINEER DGN BY: CCJM BUREAU OF ENGINEERING AND CONSTRUCTION DWN BY: CCJM REVIEWED BY: CHD BY: UNP DATE REVIEWED:	BID/PERMIT SET		03.17.2024	-	-	-	As Indicated	DIRECTOR	
									CHIEF	

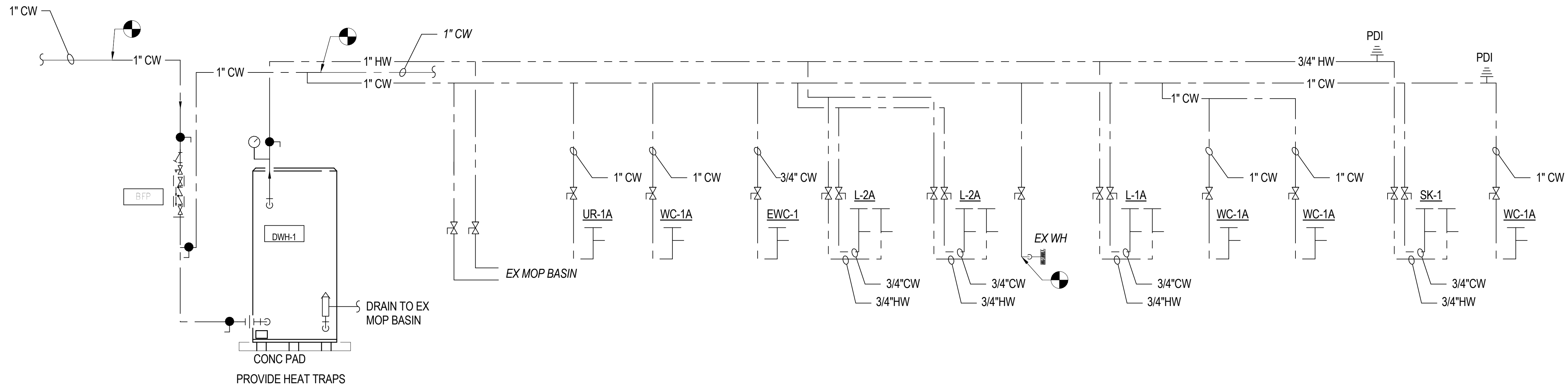
BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE, PROPERTY MANAGEMENT

BCPL - White Marsh
PLUMBING - PARTIAL FLOOR PLAN - NEW WORK

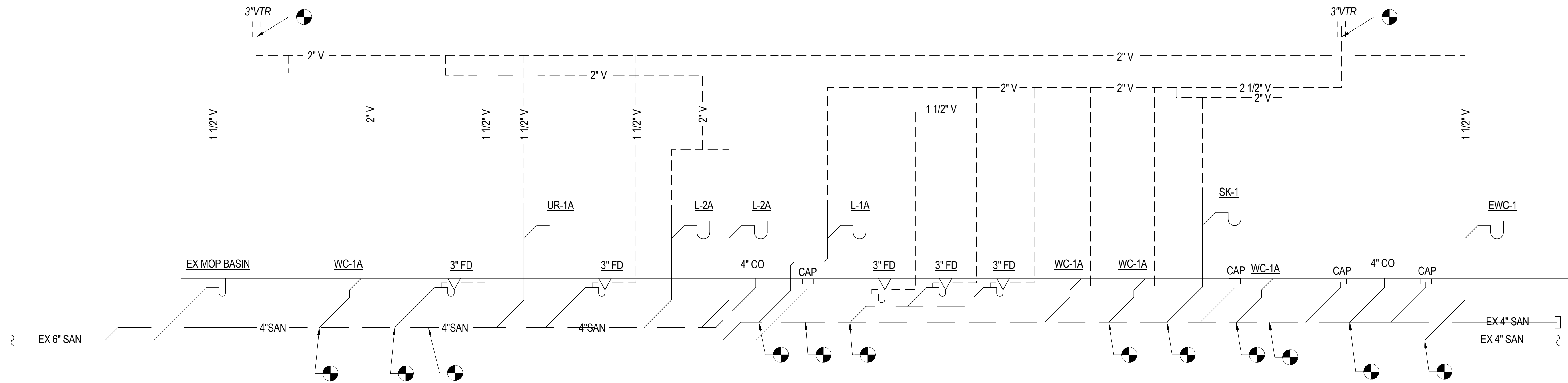
8133 SANDPIPER CIRCLE
BALTIMORE, MD 21226

ELECTION DIST. NO.:

SHEET DESIGNATION	CONTRACT NUMBER
P201	24066 P00
	JOB ORDER NUMBER
	10611599
	SHEET 25 OF 29
	DRAWING NUMBER
	2024-0348
	FILE NO.: 10611599



1 DOMESTIC WATER RISER DIAGRAM
SCALE: NONE



2 SANITARY RISER DIAGRAM
SCALE: NONE

	PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 22942 EXPIRATION DATE: 12-31-2025		AS-BUILT / REVISION BID/PERMIT SET	BY CCJM	DATE 03/17/2024	P.W.A. NO. -	KEY SHEET -	POSITION SHIT -	DRAWING SCALE PLAN SCALE: 1/8" = 1'-0" PROFILE SCALE: -	APPROVED BY: _____ DIRECTOR	
	ENGINEER: UDAY PATEL, PE, LEED BD+C MECHANICAL ENGINEER C.C. JOHNSON & MALHOTRA, P.C. 400 EAST FRANK STREET, SUITE 100 BALTIMORE, MD 21202 (P) 410-481-0069	DGN BY: CCJM DWN BY: CCJM CHRD BY: UNP	BUREAU OF ENGINEERING AND CONSTRUCTION	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	PROPERTY MANAGEMENT	APPROVED BY: _____ CHIEF
	BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE, PROPERTY MANAGEMENT										
	BCPL - White Marsh PLUMBING RISER DIAGRAM 8133 SANDPIPER CIRCLE BALTIMORE, MD 21226										

SHEET DESIGNATION	CONTRACT NUMBER
P501	24066 P00
JOB ORDER NUMBER	
10611599	
SHEET 24 OF 29	
DRAWING NUMBER	
2024-0349	
FILE NO.: 10611599	

NOT ALL SYMBOLS INDICATED ARE USED ON THESE CONTRACT DRAWINGS.

ELECTRICAL, COMMUNICATION, ELECTRONIC SAFETY AND SPECIAL SYSTEMS LEGEND

LIGHTING	
	LIGHTING FIXTURE
	LIGHTING FIXTURE ON NORMAL / EMERGENCY OR EMERGENCY ONLY OR BATTERY INVERTER CIRCUIT
	WALL MOUNTED LIGHTING FIXTURE
	INDUSTRIAL TYPE STRIPLINE FIXTURE; NORMAL, EMERGENCY
	CEILING MOUNTED DOWN LIGHT; NORMAL, EMERGENCY CIRCUIT
	WALL MOUNTED LIGHTING FIXTURE
	ILLUMINATED FACE
	EXIT SIGN - WALL MTD WITH DIRECTIONAL ARROW AS REQUIRED
	EXIT SIGN - SINGLE FACE, CEILING MTD WITH DIRECTIONAL ARROW AS REQUIRED
	EXIT SIGN - DUAL FACE, CEILING MTD WITH DIRECTIONAL ARROWS AS REQUIRED
	EMERGENCY LIGHTING UNIT & EXIT LIGHT - WITH 2 REMOTE HEADS
	EMERGENCY LIGHTING UNIT - BATTERY TYPE WITH NUMBER OF HEADS AS INDICATED
	EMERGENCY LIGHTING UNIT - REMOTE HEAD WITH NUMBER OF HEADS AS INDICATED

FIRE ALARM DEVICES	
	MANUAL PULL STATION - DUAL ACTION TYPE
	HORN - WALL MTD (OR "C"-CEILING)
	STROBE - WALL MTD (OR "C"-CEILING)
	COMBINATION HORN WITH STROBE - WALL MTD (OR "C"-CEILING)
	FIRE ALARM SYSTEM HEAT DETECTOR
	FIRE ALARM SYSTEM SMOKE DETECTOR

MOUNTING HEIGHTS	
NOTE: UNLESS OTHERWISE INDICATED, STANDARD MOUNTING HEIGHTS FOR OUTLET BOXES FOR THE FOLLOWING EQUIPMENT/DEVICE SHALL BE ABOVE FINISHED FLOOR AND SHALL BE TO THE CENTER LINE OF EQUIPMENT & FIELD COORDINATED.	
EQUIPMENT/DEVICE	MOUNTING HEIGHT
SWITCHES	48 INCH
RECEPTACLE-GENERAL	18 INCH
RECEPTACLE-SPECIAL	18 INCH
RECEPTACLE-SINGLE	18 INCH
RECEPTACLE-REST ROOM	9 INCH ABOVE BASIN
RECEPTACLE-COUNTER	8 INCH ABOVE COUNTER
RECEPTACLE-MONITOR (DISPLAY)	78 INCH OR DIRECTED BY OWNER
RECEPTACLE-EXTERIOR	30 INCH
CABLE TV OUTLET	78 INCH, 18 INCH FOR APARTMENTS, UON
TELEPHONE/DATA-GENERAL	18 INCH
TELEPHONE-WALL TYPE	54 INCH, (48 INCH ADA ACCESSIBLE)
FIRE ALARM PULL STATION	48 INCH
FIRE ALARM AUDIO/VISUAL DEVICE	80 INCH
CARD READER	40 INCH
EXIT LIGHT WALL MOUNTED	MAX. 90 INCH
SAFETY SWITCH	72 INCH TO HANDLE
PANELBOARD	72 INCH TO TOP CB
MANUAL MOTOR STARTER	48 INCH
PUSH BUTTON	48 INCH
AUTOMATIC DOOR OPENER	36 INCH
APARTMENT UNITS	
TELEPHONE/DATA, KITCHEN ONLY	48 INCH
REFRIGERATOR RECEPTACLE	48 INCH
WASHER/DRYER RECEPTACLE	36 INCH

ANNOTATIONS	
	A INDICATES TYPE OF LIGHTING FIXTURE REFER TO FIXTURE SCHEDULE
	a INDICATES SWITCH LEG OR CONTROL ZONE
	3 INDICATES CIRCUIT NUMBER
	\$a INDICATES SWITCH LEG OR CONTROL ZONE
	3 INDICATES CIRCUIT NUMBER
	INDICATES SPECIAL / KEYED NOTE, UNLESS OTHERWISE NOTED, SPECIAL / KEYED NOTE APPLIES ONLY TO THE DRAWING ON WHICH IT APPEARS.
	ELECTRICAL GENERAL NOTE APPLY TO ALL DRAWINGS, UNLESS OTHERWISE NOTED.
	EXISTING (INDICATED WITH SLANTED TEXT)
	HOME RUN TO PANELBOARD DISTRIBUTION EQUIPMENT AS INDICATED.
	2,4 NUMBERS INDICATE SOPN NUMBER FOR PANEL
	R INDICATES THE PANEL
	CROSS HATCH LINES INDICATE THE NUMBER OF CURRENT CARRYING CONDUCTORS CROSS HATCH LINES WITH DOT AT END INDICATES THE EQUIPMENT GROUNDING CONDUCTOR (GREEN WIRE) AND SHALL BE SIZED IN ACCORDANCE WITH NEC ARTICLE 250. GREEN GROUNDING WIRE SHALL BE PROVIDED WITH EACH CIRCUIT, AND/OR FEEDER. WHERE NO WIRES ARE INDICATED, PROVIDE 2 (TWO) CURRENT CARRYING # 12 AWG CONDUCTORS AND 1 (ONE) # 12 GROUND FOR BRANCH CIRCUIT WIRING IN MINIMUM 3/4" RACEWAY UNLESS OTHERWISE INDICATED IN THE SCHEDULES.

SWITCHING SYMBOLS	
	SINGLE POLE SWITCH
	THREE WAY SWITCH
	MANUAL MOTOR STARTER WITH THERMAL OVERLOAD AND HOA SWITCH
	LOW VOLTAGE SWITCH
	LOW VOLTAGE DIMMER
	OCCUPANCY SENSOR
	VACANCY SENSOR
	PHOTO SENSOR
	POWER PACK

WIRING NOTES	
A.	BRANCH CIRCUIT WIRING FOR 120 VOLT 20 AMP CIRCUITS WIRED TO 208Y/120V SYSTEMS SHALL BE ADJUSTED FOR DISTANCE VOLTAGE DROP AND LOAD HARMONIC CONTENTS AS FOLLOWS: 1. GENERAL RECEPTACLES AND RESISTIVE LOADS: UP TO 100 FEET IN LENGTH: 3#12, 1#12N, 1#12G - 3/4"C OVER 100 FEET IN LENGTH: 3#10, 1#10N, 1#10G - 3/4"C 2. COMPUTER RECEPTACLES, LED LIGHTING: UP TO 100 FEET IN LENGTH: 3#12, 1#10N, 1#12G - 3/4"C OVER 100 FEET IN LENGTH: 3#10, 1#8N, 1#10G - 3/4"C
B.	ALL WORK IS NEW, UNLESS NOTED OTHERWISE
C.	ALL CONDUIT SHALL BE 3/4" MINIMUM. ALL CONDUCTORS SHALL BE #12 THHN, MINIMUM.

POWER DISTRIBUTION	
	PANELBOARD - SURFACE MTD
	PANELBOARD - RECESSED
	JUNCTION BOX
	JUNCTION BOX FOR SYSTEM FURNITURE DATA - 18" AFF
	CIRCUIT BREAKER
	MOTOR CONNECTION
	SAFETY SWITCH NONFUSED, SIZE AS INDICATED
	SAFETY SWITCH FUSED, SIZE AS INDICATED
	ELECTRICAL DEVICE AS INDICATED
	COMBINATION TYPE MOTOR STARTER, SIZE AS INDICATED
	CONDUIT, CONCEALED IN CEILING OR WALL OR CHASE
	CONDUIT CONCEALED IN FLOOR OR UNDERFLOOR OR UNDERGROUND
	SYSTEM GROUND OR EQUIPMENT GROUND
	208 VOLT PANELBOARD
	480 VOLT PANELBOARD
	MEDIA CENTER

WIRING DEVICES	
	DUPLEX RECEPTACLE
	DUPLEX RECEPTACLE - FLUSH MOUNTED FLOOR BOX
	TWO DUPLEX RECEPTACLE IN TWO-GANG BOX
	SWITCH DUPLEX RECEPTACLE CIRCUIT
	SPECIAL RECEPTACLE, SIZE AND TYPE AS NOTED
	GFCI WP RECEPTACLE WITH IN-USE BUBBLE COVER
	DUPLEX RECEPTACLE WITH GROUND FAULT CIRCUIT
	RECEPTACLE - EMERGENCY POWER
	DUPLEX RECEPTACLE - CEILING
	DUPLEX RECEPTACLE WITH (2) UNIVERSAL SERIAL BUS PORTS
	DUPLEX RECEPTACLE ISOLATED GROUND - 20A, 2P, 3W, 120V
	DUPLEX RECEPTACLE WITH GROUND FAULT CIRCUIT MOUNTED OVER COUNTER OR SINK. SEE MOUNTING HEIGHTS TABLE FOR ADDITIONAL DETAILS
	DATA OUTLET. COORDINATE TYPE WITH OWNER IT DEPARTMENT.

ABBREVIATIONS			
ABBREV	DESCRIPTION	ABBREV	DESCRIPTION
AS/AF	AMPERES SWITCH & FUSE RATING	HTR	HEATER
A, AMP	AMPERES	HV	HIGH VOLTAGE
AC	ALTERNATING CURRENT, ARMORED CABLE	MDP	MAIN DISTRIBUTION PANEL
ACU	AIR CONDITIONING UNIT	MTD	MOUNTED
AF	AMPERE FRAME	MLO	MAIN LUGS ONLY
AFF	ABOVE FINISHED FLOOR	MTG	MOUNTING
AFG	ABOVE FINISHED GRADE	N	NEUTRAL
AHU	AIR HANDLING UNIT	NEC	NATIONAL ELECTRICAL CODE
AIC	AMPERE INTERRUPTING CAPACITY	NIC	NOT-IN-CONTRACT
ATC	AUTOMATIC TEMPERATURE CONTROL	NL	NIGHT LIGHT
ATS	AUTOMATIC TRANSFER SWITCH	NO	NORMALLY OPEN
AUX	AUXILIARY	NTS	NOT TO SCALE
AWG	AMERICAN WIRE GAUGE	NFSS	NON FUSED SAFETY SWITCH
BES	BLDG ELECTRICAL SYSTEM	OC	ON CENTER
BIL	BASIC IMPLUSE LEVEL	OL	OVERLOAD
BLDG	BUILDING	P	POLE OR POLES
BKBD	BACKBOARD	PF	POWER FACTOR
BRKR	BREAKER	PH, φ	PHASE
C	CONDUIT	PT	POTENTIAL TRANSFORMER
CEC	CHICAGO ELECTRICAL CODE	PNL	PANELBOARD
CB	CIRCUIT BREAKER	PVC	POLYVINYL CHLORIDE
CCTV	CLOSED CIRCUIT TELEVISION	R	REMOVE
CKT	CIRCUIT	RAF	RETURN AIR FAN
CR	CARD READER	RECEPT	RECEPTACLE
CL	CURRENT LIMITING	REQD	REQUIRED
CLG	CEILING	RGS	RIGID GALVANIZED STEEL
CPT	CONTROL POWER TRANSFORMER	RMS	ROOT MEAN SQUARE
CT	CURRENT TRANSFORMER	RS	RAPID START
CUH	CABINET UNIT HEATER	RVAT	REDUCED VOLTAGE AUTOTRANSFORMER
CW	COOL WHITE	S/N	SOLID NEUTRAL
DGS	DIESEL GENERATOR SET	SD	SMOKE DETECTOR
DIA	DIAMETER	SEC	SECONDARY
DISC	DISCONNECT	SFA	SPRINKLER FLOW ALARM
DIST	DISTRIBUTION	SMR	SURFACE METAL RACEWAY
DN	DOWN	ST	SHUNT TRIP
DP	DISTRIBUTION PANEL	SS	SUB STATION
DVR	DIGITAL VIDEO RECORDER	STR	STARTER
DWG	DRAWING	SW	SWITCH
E	EMERGENCY	SWBD	SWITCHBOARD
EBH	ELECTRIC BASEBOARD HEATER	SWGR	SWITCHGEAR
EC	EMPTY CONDUIT	SYS	SYSTEM
ECB	ENCLOSED CIRCUIT BREAKER	SYM	SYMMETRICAL
EF	EXHAUST FAN	SOPN	SPACE OR POLE NUMBER
EGS	ELECTRIC GENERATOR SET	TA	TRIP AMPERE
EH	ELECTRIC HEATER	TB	TERMINAL BOX
ELECT	ELECTRICAL	TC	TIME CLOCK
EMT	ELECTRICAL METALLIC TUBING	TD	TIME DELAY
ENCL	ENCLOSURE	TTB	TELEPHONE TERMINAL BOARD/BLOCK
EQUIP	EQUIPMENT	TTC	TELEPHONE TERMINAL CLOSET
ER	EXISTING RELOCATED	TYP	TYPICAL
ETR	EXISTING-TO-REMAIN	TV	TELEVISION
EX	EXISTING	UC	UNDER COUNTER
EXH	EXHAUST	UG	UNDERGROUND
F	FUSED OR FUSIBLE	UOI	UNLESS OTHERWISE INDICATED
FA	FRAME AMPERE	UON	UNLESS OTHERWISE NOTED
FAAP	FIRE ALARM ANNUNCIATOR PANEL	USB	UNIVERSAL SERIAL BUS
FACP	FIRE ALARM CONTROL PANEL	V	VOLT (S) OR VOLTAGE
FADS	FIRE ALARM AND DETECTION SYSTEM	VA	VOLT AMPERE
FBO	FURNISHED BY OTHERS	VFD	VARIABLE FREQUENCY DRIVE
FDR	FEEDER	W	WIRE
FLUOR	FLUORESCENT	W/	WITH
FSS	FUSED SAFETY SWITCH	WP	WEATHER PROOF, WORK PHONE
FT	FOOT OR FEET	WW	WIREWAY
FVNR	FULL VOLTAGE NON REVERSING	XFMR	TRANSFORMER
GFCI	GROUND FAULT CURRENT INTERRUPTER	@	AT
GND	GROUND		
GRS	GALVANIZED RIGID STEEL		
GW	GROUND WIRE		
HC	HANDICAP		
HD	HEAVY DUTY		
HID	HIGH INTENSIFY DISCHARGE		
HOA	HAND-OFF-AUTOMATIC		
HP	HORSE POWER		
HPS	HIGH PRESSURE SODIUM		

	PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHIT	DRAWING SCALE		
	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.	BID/PERMIT SET		03/11/2024					PLAN SCALE:	APPROVED BY: _____ DIRECTOR
	ENGINEER: TA CHH LIN, PE ELECTRICAL ENGINEER 44694 EXPIRATION DATE: 06-19-2025	BUREAU OF ENGINEERING AND CONSTRUCTION	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	PROFILE SCALE:	DATE: _____
	DGN BY: CCJM DWN BY: CCJM CHD BY: UNP	REVIEWED BY:						PROPERTY MANAGEMENT		APPROVED BY: _____ CHIEF

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE, PROPERTY MANAGEMENT
 BCPL - White Marsh
 ELECTRICAL - LEGEND AND ABBREVIATION
 8133 SANDPIPER CIRCLE
 BALTIMORE, MD 21226
 SUBDIVISION:
 ELECTION DIST. NO.:

SHEET DESIGNATION	CONTRACT NUMBER
E001	24066 P00
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10611599	
SHEET 25 OF 29	
DRAWING NUMBER	
2024-0350	
FILE NO.: 10611599	

GENERAL ELECTRICAL NOTES (APPLIES TO ALL ELECTRICAL WORK)


- ALL DOCUMENTS AND PUBLICATIONS (SUCH AS, BUT NOT LIMITED TO, MANUALS, HANDBOOKS, CODES, STANDARDS AND SPECIFICATIONS) WHICH ARE CITED IN THIS CONTRACT OR THE SPECIFICATIONS INCORPORATED HEREIN, FOR THE PURPOSE OF ESTABLISHING REQUIREMENTS APPLICABLE TO EQUIPMENT, MATERIALS OR WORKMANSHIP UNDER THIS CONTRACT SHALL BE DEEMED TO BE INCORPORATED HEREIN AS FULLY AS IF PRINTED AND BOUND WITH THIS CONTRACT. WHEREVER REFERENCE IS MADE TO ANY SUCH DOCUMENT, THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS SET OUT IN THE EDITION SPECIFIED IN THIS CONTRACT, OR IF NOT SPECIFIED, THE LATEST EDITION OR REVISION THEREOF, AS WELL AS THE LATEST AMENDMENT OR SUPPLEMENT OR SUPPLEMENT THERETO, EXCEPT AS MODIFIED BY, OR OTHERWISE PROVIDED IN THE SPECIFICATIONS OR THIS CONTRACT.
- CONTRACTOR SHALL COORDINATE THE WORK WITH EXISTING FIELD CONDITIONS & THE WORK OF OTHER TRADES. UNRESOLVABLE CONFLICTS OR INTERFERENCES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT/ENGINEER AND OWNER.
- ALL AUXILIARY ELECTRICAL COMPONENTS, OR CONTROL & POWER WIRING, REQUIRED TO ENSURE THE FUNCTIONALITY OF THE ITEMS SHOWN ON THE DRAWINGS SHALL BE PROVIDED, EVEN IF NOT SPECIFICALLY SHOWN ON THE DRAWINGS. THIS INCLUDES SUCH ITEMS AS LOW VOLTAGE CONTROL POWER AND WIRING TO REMOTE MOUNTED INTERLOCK DEVICES. CONTRACTOR SHALL CONSULT ALL TRADES FURNISHING EQUIPMENT & OBTAIN FROM THEM ALL DATA AND INSTALLATION INSTRUCTIONS TO ENSURE THAT ALL ELECTRICAL REQUIREMENTS ARE INCLUDED.
- DRAWINGS ARE DIAGRAMMATIC AND DO NOT SHOW ALL OF THE RACEWAY, BOXES, PENETRATIONS, SUPPORTS AND OTHER COMPONENTS THAT ARE REQUIRED TO COMPLETE THE WORK. ONLY MAJOR ITEMS ARE SHOWN ON THE DRAWINGS. PROVIDE ALL WORK AS REQUIRED FOR A COMPLETE AND FULLY FUNCTIONAL ELECTRICAL SYSTEM.
- EQUIPMENT MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS AND ALL LABELS AND WARNINGS AFFIXED TO THE INSTALLED EQUIPMENT SHALL BE STRICTLY ADHERED TO.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF ALL APPLICABLE CODES & REGULATIONS.
- CONDUCTOR SIZING, BREAKER TRIP RATINGS AND FUSE SIZES FOR MECHANICAL EQUIPMENT FEEDERS AS SHOWN ON THE DRAWINGS ARE BASED ON PRELIMINARY DESIGN INFORMATION. CONTRACTOR SHALL VERIFY THE PROPER SIZING AND RATINGS FROM THE FURNISHED EQUIPMENT WRITTEN DATA OR EQUIPMENT NAMEPLATES PRIOR TO ROUGH IN. IMMEDIATELY ADVISE THE ARCHITECT/ENGINEER AND OWNER OF ANY DISCREPANCIES.
- PROVIDE EQUIPMENT DISCONNECT SWITCHES IN STRICT COMPLIANCE WITH CODE REQUIREMENTS. (NOT ALL LOCAL DISCONNECT SWITCHES ARE SHOWN)
- ALL OUTLET BOXES SHALL BE PROVIDED WITH PROPER COVER PLATES.
- IN AREAS WHERE COUNTERS ARE PROVIDED, COORDINATE EXACT LOCATION OF OUTLETS AND WIRING WITH CASEWORK.
- CONDUITS SHALL BE CONCEALED IN WALLS AND CEILINGS TO THE GREATEST EXTENT POSSIBLE. INTERIOR SURFACE METAL RACEWAY (WIREMOLD OR EQUAL) MAY BE USED FOR LIGHTING FIXTURES OR WIRING DEVICES LOCATED ON INACCESSIBLE BUILDING ELEMENTS, SUCH AS CONCRETE CEILINGS OR MASONRY WALLS. SURFACE METAL RACEWAY SHALL BE MOUNTED TIGHT TO WALLS OR CEILINGS. LOCATION AND ROUTING SHALL BE APPROVED BY ARCHITECT AND OWNER. SEE TECHNICAL SPECIFICATION FOR FURTHER INFORMATION.
- ALL OUTDOOR RECEPTACLES SHALL BE WEATHERPROOF (W.P.) AND THE GFI TYPE.
- ALL OUTDOOR ENCLOSURES SHALL BE NEMA 3R. THE PADLOCKED TYPE WITH TAMPER PROOF SCREWS.
- THE CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS NECESSARY FOR A COMPLETE AND FUNCTIONING ELECTRICAL SYSTEM.
- ALL MATERIALS AND EQUIPMENT SHALL BE ERECTED, INSTALLED, CONNECTED, CLEANED, ADJUSTED, TESTED, CONDITIONED, AND PLACED IN SERVICE IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS AND RECOMMENDATIONS.
- CONDUIT RUNS OR PULL BOXES SHALL NOT BLOCK OR PREVENT FULL COMPLETE ACCESS AND/OR OPERATION OF HVAC EQUIPMENT, ACCESS DOORS, PIPING VAULTS, JUNCTION BOXES MAIN RETURN AIR DUCTS, PULL BOXES, CLEANOUTS, ETC.
- VERIFY CLEARANCES FOR ALL NEW ELECTRICAL WORK BEFORE PROCEEDING WITH CONSTRUCTION. COORDINATE USAGE OF AVAILABLE SPACE WITH ALL TRADES. IN THE EVENT OF CONFLICTS, NOTIFY THE ARCHITECT/ENGINEER AND OWNER BEFORE PROCEEDING WITH THE WORK.
- SEAL ALL NEW WALL AND FLOOR CONDUIT PENETRATIONS.
- CIRCUITS ARE SIZED ASSUMING THAT NO MORE THAN THREE CURRENT CARRYING CONDUCTORS ARE IN A SINGLE CONDUIT. FOR CONDUITS CONTAINING MORE THAN THREE, PROVIDE APPROPRIATE DERATING OF CONDUCTORS PER CODE.
- NUMBERED CIRCUITS ARE CREATED FOR THE CONVENIENCE OF DESIGN ONLY. DESIGN INTENT MUST BE FOLLOWED THROUGHOUT. INDICATE THE CIRCUIT NUMBERS AND CORRESPONDING ROOM NUMBERS USED ON THE "AS-BUILT" DRAWINGS. EMERGENCY PANEL CIRCUIT NUMBERS MAY VARY, ACTUAL FIELD CONDITIONS SHALL BE VERIFIED.
- NO WIRING SHALL BE INSTALLED PRIOR TO THE CONTRACTOR'S REVIEW OF THE PROJECT EQUIPMENT SHOP DRAWINGS AND COORDINATION WITH THE DESIGN DOCUMENTS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ARCHITECT/ENGINEER AND OWNER ATTENTION FOR FINAL RESOLUTION. WORK THAT HAS TO BE REPLACED DUE TO LACK OF PROPER SHOP DRAWINGS COORDINATION SHALL BE DONE AT CONTRACTOR'S EXPENSE.
- MOTOR SIZES AND LOCATIONS SHOWN ON THE DRAWINGS ARE BASED ON INFORMATION OBTAINED DURING DESIGN. VERIFY THE ACTUAL LOCATIONS AND PROVIDE WIRING AND PROTECTION OF PROPER SIZES AS REQUIRED. WIRE THE MOTORS FOR PROPER DIRECTION OF ROTATION AND CHECK ROTATION AT START-UP.
- ALL INCOMING POWER & LOW VOLTAGE CONDUCTORS SHALL RUN IN CONCEALED CONDUIT. UTILIZE EXISTING CONDUIT WHERE POSSIBLE.
- ALL EQUIPMENT INSTALLED IN MECHANICAL AIR PLENUM SPACE SHALL BE RATED FOR THAT USE PER LOCAL REQUIREMENT.
- FOR 15A OR 20A BRANCH CIRCUITS, PROVIDE WIRE SIZES AND RACEWAYS AS PER WIRING NOTES ON DRAWING E001.
- NOTIFY ARCHITECT AND OWNER NO FEWER THAN SEVEN (7) DAYS IN ADVANCE OF PROPOSED INTERRUPTION OF ELECTRICAL SERVICE. DO NOT PROCEED WITH INTERRUPTION OF ELECTRICAL SERVICE WITHOUT ARCHITECT'S AND OWNER WRITTEN PERMISSION.
- SURFACE MOUNTED METAL RACEWAYS ONLY PERMISSIBLE ON EXISTING WALLS, WHERE CONDUIT CANNOT BE CONCEALED, IN OCCUPIED, OR NON-OCCUPIED SPACES.
- PROVIDE GFCI RECEPTACLES AS INDICATED. GFCI BREAKERS SHALL NOT BE USED.
- ALL RECEPTACLES AT PUBLICLY ACCESSIBLE LOCATIONS TO BE TAMPER RESISTANT TYPE.

ELECTRICAL DEMOLITION NOTES

- EXISTING ELECTRICAL SYSTEM IS DESCRIBED BASED ON SITE CONDITIONS VISIBLE AT THE TIME OF THE SURVEY. THE CONTRACTOR SHALL VISIT THE JOB SITE TO FAMILIARIZE HIMSELF WITH THE EXTENT OF EXISTING WORK TO BE DEMOLISHED
- ELECTRICAL CONTRACTOR SHALL REMOVE ALL ELECTRICAL EQUIPMENT AFFECTED BY THE DEMOLITION. COORDINATE EXACT SCOPE OF WORK WITH ALL OTHER DISCIPLINE DRAWINGS
- ALL EXPOSED CONDUITS, HANGERS, SUPPORTS, ETC. THAT ARE ABANDONED SHALL BE REMOVED. CONDUIT WHICH IS BURIED IN CONCRETE OR OTHERWISE INACCESSIBLY POSITIONED MAY BE ABANDONED. IN SUCH CASES, WIRE SHALL BE PULLED OUT OF THE CONDUIT AND THE CONDUIT ITSELF PLUGGED AT EACH END
- WHERE EXISTING DEVICES, CONDUIT WIRE, SUPPORTS, HANGERS AND OTHER ELECTRICAL EQUIPMENT MUST BE REMOVED AS A RESULT OF THE ALTERATIONS, THEY SHALL BE COMPLETELY REMOVED, BACK TO THE FIRST OUTLET WHICH IS LEFT UNAFFECTED. IF REMOVED BACK TO THE PANEL, LABEL THAT CIRCUIT AS SPACE
- PATCH ALL HOLES IN SLABS, WALLS AND CEILING WHERE ELECTRICAL DEVICES AND/OR CONDUIT ARE REMOVED. IF THE REMOVAL OF CONDUIT, BOXES, EQUIPMENT, ETC. COMPROMISES THE FIRE RATING OF THESE ITEMS, THE CONTRACTOR SHALL SEAL OPENINGS WITH CODE APPROVED FIRE STOPPING MATERIAL
- WHERE EXISTING ELECTRICAL WORK PREVENTS PROPER CONSTRUCTION OF NEW WORK, REMOVE, REROUTE, RELOCATE, OR IN OTHER WAYS ALTER EXISTING WORK TO ACCOMMODATE
- SOME EXCEPTIONS MAY ARISE WHEREIN EQUIPMENT, EITHER IN ALTERED AREAS OR OTHER AREAS, MUST BE KEPT IN SERVICE, REQUIRING THAT FEEDERS, SIGNAL CONDUCTORS, CONDUITS, BOXES ETC. SERVING THE SAME ALSO BE KEPT IN SERVICE. IN SUCH CASES, THE ELECTRICAL FEEDERS, SIGNAL CONDUCTORS, CONDUITS, ETC. SHALL BE REROUTED AND RECONNECTED BEFORE PRESENT WORK IS REMOVED. IF THIS IS NOT POSSIBLE, TEMPORARY WIRING SHALL BE PROVIDED TO ALLOW FOR INSTALLATION OF NEW WORK, AFTER WHICH TEMPORARY WIRING SHALL BE REMOVED
- ALL PROPOSED DEMOLITION WORK SHALL BE THOROUGHLY COORDINATED WITH ALL OTHER TRADES
- CONTRACTOR IS TO PERFORM DEMOLITION WORK IN A NEAT, SKILLFUL, AND CAREFUL MANNER SO AS NOT TO DAMAGE OR DEFACE EXISTING CONSTRUCTION THAT IS TO REMAIN
- CONFIRM WITH THE MANUFACTURERS OF EXISTING EQUIPMENT THAT IS TO BE REVISED OR EXTENDED. ENSURE THAT EXISTING EQUIPMENT COMPLIES WITH NEW WORK REQUIREMENTS
- ELECTRICAL CONTRACTOR TO REROUTE, AND REFEED ALL EXISTING EQUIPMENT/DEVICES TO REMAIN BUT MAY BE AFFECTED BY EQUIPMENT BEING DEMOLISHED
- EXISTING FIRE ALARM SYSTEM SHALL REMAIN IN SERVICE UNTIL NEW SYSTEM IS FULLY OPERATIONAL AND TESTED. PROVIDE PROPOSED DEMOLITION AND INSTALLATION PLAN AS PART OF SUBMITTAL PACKAGE. NEW FIRE ALARM SYSTEM SHALL BE INSTALLED IN PARALLEL WITH EXISTING. EXISTING FIRE ALARM SYSTEM SHALL BE REMOVED ONLY WHEN NEW SYSTEM INSTALLED THROUGHOUT, OPERATIONAL, TESTED AND APPROVED BY THE AHJ.
- WHEN THE EXISTING FIRE ALARM SYSTEM IS OUT OF SERVICE FOR MORE THAN 4 HOURS OR LESS AS APPROVED BY AHJ IN A 24-HOUR PERIOD, THE AHJ SHALL BE NOTIFIED AND BUILDING SHALL BE EVACUATED OR AN APPROVED FIRE WATCH SHALL BE PROVIDED BY THE CONTRACTOR UNTIL THE EXISTING SYSTEM HAS BEEN RETURNED TO SERVICE, AND DETERMINED ACCEPTABLE BY THE AHJ.
- DEMOLITION OF EXISTING FIRE ALARM SYSTEM DEVICES, CONDUITS, AND CIRCUITS SHALL PROCEED WITH CAUTION. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING-TO-REMAIN FIRE PROTECTION CONDUIT, CIRCUITS, AND DEVICES IN OPERATIONAL CONDITION. IN THE DAMAGE TO THE EXISTING FIRE ALARM SYSTEM OR CIRCUITS, REPAIRS TO THE EXISTING FIRE ALARM SYSTEM SHALL BE COMPLETED ON THE SAME DAY AS THE DAMAGE. REMOVE EXISTING FIRE ALARM DEVICES SHOWN IN PROJECT AREA.
- WHERE EXISTING WALL MOUNTED FIRE ALARM DEVICES ARE REMOVED, PROVIDE AN OVER-SIZED METAL COVER PLATE TO COVER EXISTING OPENING. COVER PLATE SHALL HAVE ROUNDED EDGES AND CORNERS AND FINISH TO MATCH ADJACENT FINISHES/COLOR AS APPROVED BY OWNER.

FIRE ALARM SYSTEM NOTES

- DRAWINGS ARE DIAGRAMMATIC ONLY. RUNS OF WIRING AND THE MANNER OF CONNECTIONS SHALL BE DETERMINED BY THE CONTRACTOR IN THE FIELD. INSTALLATION OF FAS SHALL MEET SYSTEM'S MANUFACTURER'S AND FIRE MARSHAL'S REQUIREMENTS.
- FAS DEVICES AND EQUIPMENT SHOWN ON PLANS ARE FOR MINIMUM REQUIREMENTS. ADDITIONAL DEVICES AND/OR EQUIPMENT SHALL BE PROVIDED WITHOUT ANY ADDITIONAL COST TO THE OWNER TO MEET THE LATEST NFPA 72 REQUIREMENTS AND ANY OTHER FIRE MARSHAL'S REQUIREMENTS
- ALL 120V WIRING FOR FIRE ALARM DEVICES SHALL BE RUN IN RED RACEWAY AND JUNCTION BOXES AND IDENTIFIED AS FOR FIRE ALARM DEVICES.
- FOR ALL AREAS, THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE THE PROPER SIZE FAS DEVICES AND TO DETERMINE THEIR LOCATIONS IN THE FIELD TO MEET THE NFPA 72 CANDELA POWER AND SOUND LEVEL REQUIREMENTS.
- ALL NEW WIRING AND RACEWAY SIZES AND THEIR QUANTITIES SHALL BE STRICTLY IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND AHJ FIRE MARSHAL REQUIREMENTS. ALL WIRING SHALL BE INSTALLED IN RACEWAYS APPROVED BY AHJ WITH MAXIMUM 40% FILL CAPACITY. PLENUM RATED FIRE ALARM WIRING OR MC CABLE IS NOT PERMITTED.
- FIRE ALARM DEVICES SHALL BE OF THE SAME MANUFACTURER AS EXISTING FIRE ALARM SYSTEM.
- CONTRACTOR SHALL BE RESPONSIBLE TO SUBMIT THE SHOP DRAWINGS TO AHJ AND OBTAINING FIRE MARSHAL'S APPROVAL PRIOR TO ANY SUBMISSION TO ENGINEER OF RECORD AND ANY INSTALLATION OF WORK.
- ALL MANUAL PULL STATION SHALL BE LOCATED WITHIN 5 FEET OF THE EXIT DOORS. ALL NEW MANUAL PULL STATIONS SHALL HAVE TWO PAIRS OF DRY CONTACTS.
- ALL FAS VISUAL DEVICES SHALL BE MOUNTED AT A HEIGHT WHICH IS IN THE LINE OF SIGHT AND MEET ADA REQUIREMENTS.
- PROVIDE ALL WIRING AND RACEWAYS TO FIRE PROTECTION SYSTEM (SPRINKLER SYSTEM) DEVICES SUCH AS FLOW SWITCHES, TAMPER SWITCHES ETC. AS PER NFPA AND AHJ REQUIREMENTS. FIRE ALARM SYSTEM ZONES SHALL BE COORDINATED WITH FIRE PROTECTION SYSTEM WHILE PREPARING THE SHOP DRAWINGS.
- ALL NEW FIRE ALARM DEVICES FLUSH AND/OR SURFACE MOUNTED SHALL BE MOUNTED ON A FIRE ALARM SYSTEM'S MANUFACTURER FURNISHED BACK BOXES. STANDARD BOX OR 4" SQUARE BOX WILL NOT BE PERMITTED.
- FOR ADDRESSABLE SYSTEM, WHICH INCLUDE SEPARATE SIGNALING LINE CIRCUITS (SLC) AND NOTIFICATION APPLIANCE CIRCUITS (NAC) EACH CIRCUIT MUST BE LOCATED IN SEPARATE CONDUITS TO AVOID CROSS TALK BETWEEN THE CIRCUITS. CABLE FOR NAC MUST BE PROPERLY SHIELDED AND PROPERLY GROUNDED AND WIRING TERMINATIONS MUST BE PROPERLY TAPED TO PREVENT SHIELDS FROM CONTACTING CIRCUITS AND OTHER WIRING. PROVIDE AMPLIFIERS AND NAC ZONES AS NEEDED FOR THE AREAS.

	PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 44694 EXPIRATION DATE: 06-19-2025		AS-BUILT / REVISION BID/PERMIT SET	BY CCJM	DATE 03/11/2024	P.W.A. NO. -	KEY SHEET -	POSITION SHIT -	DRAWING SCALE PLAN SCALE: _____ PROFILE SCALE: _____	APPROVED BY: _____ DIRECTOR
	ENGINEER: T.A. CHHILIN, PE ELECTRICAL ENGINEER C.C. JOHNSON & MALHOTRA, P.C. 400 EAST PRAIRIE STREET, SUITE 100 BALTIMORE, MD 21202 (P) 410-540-0909	DGN BY: CCJM REVIEWED BY: _____ DATE REVIEWED: _____	BUREAU OF ENGINEERING AND CONSTRUCTION	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	PROPERTY MANAGEMENT

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE, PROPERTY MANAGEMENT

BCPL - White Marsh

ELECTRICAL - GENERAL NOTES

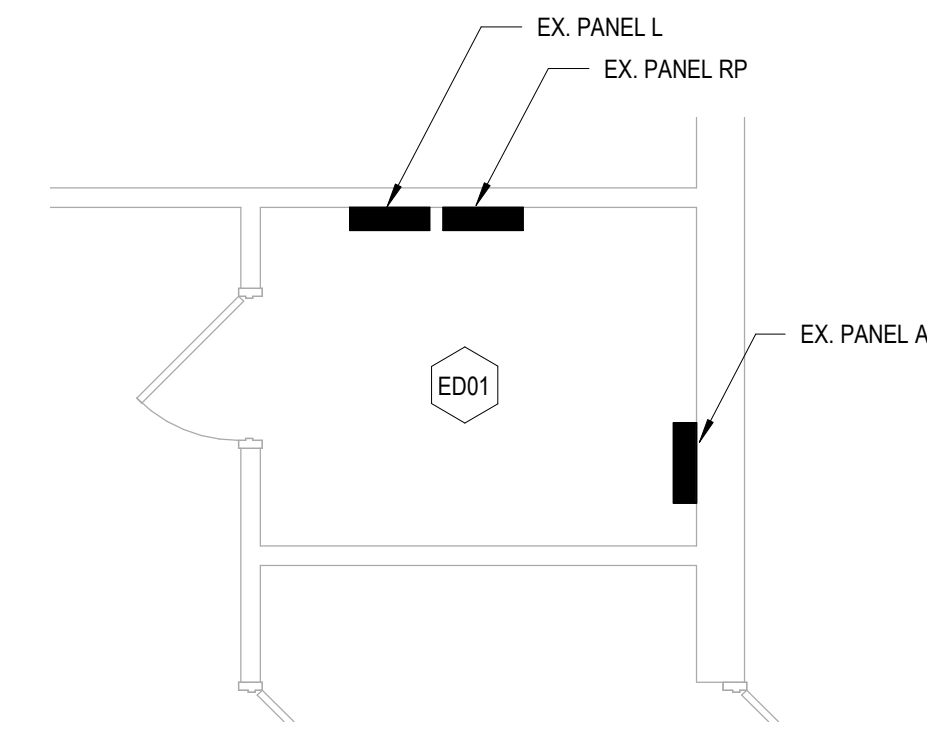
8133 SANDPIPER CIRCLE
BALTIMORE, MD 21226

ELECTION DIST. NO.:

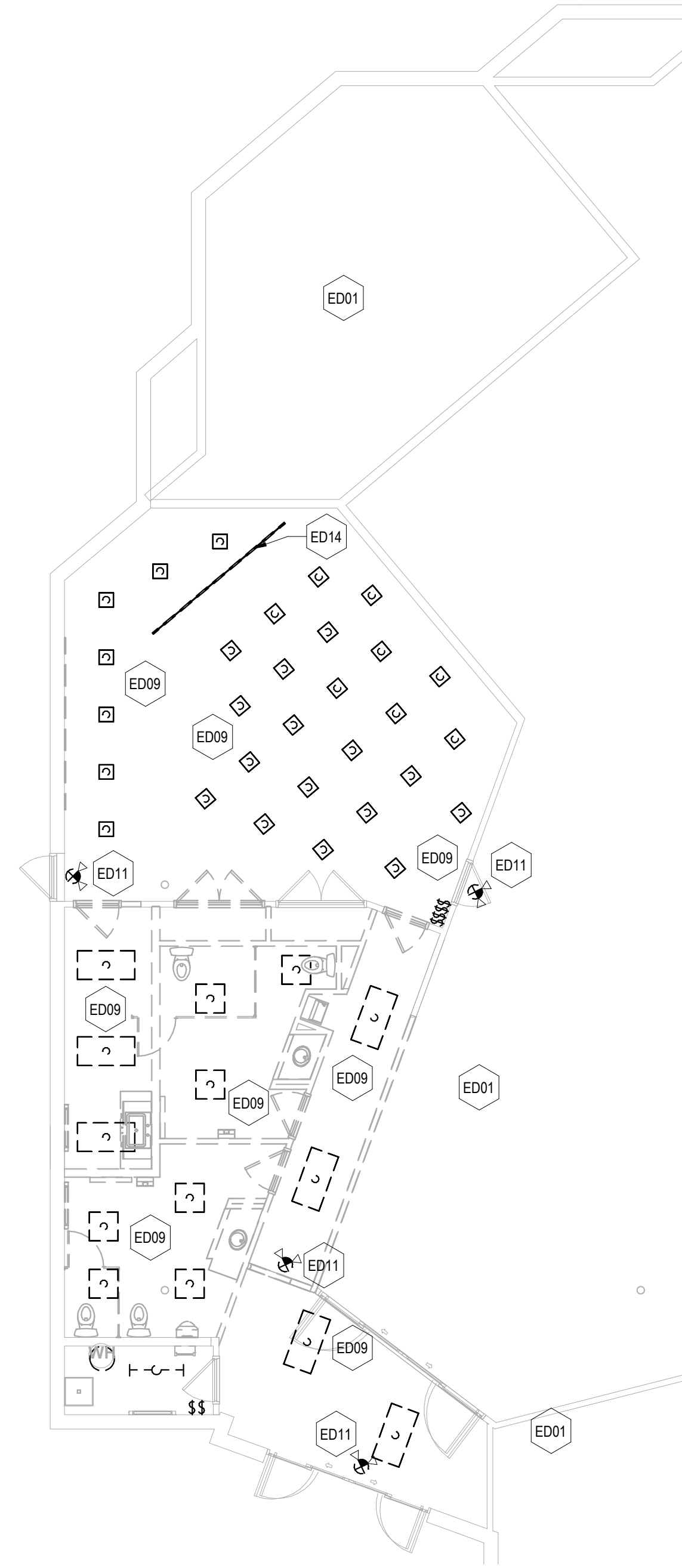
SHEET DESIGNATION	CONTRACT NUMBER
E002	24066 P00
JOB ORDER NUMBER	
10611599	
SHEET 26 OF 29	
DRAWING NUMBER	
2024-0351	
FILE NO.: 10611599	

ELECTRICAL KEYED NOTES - DEMOLITION

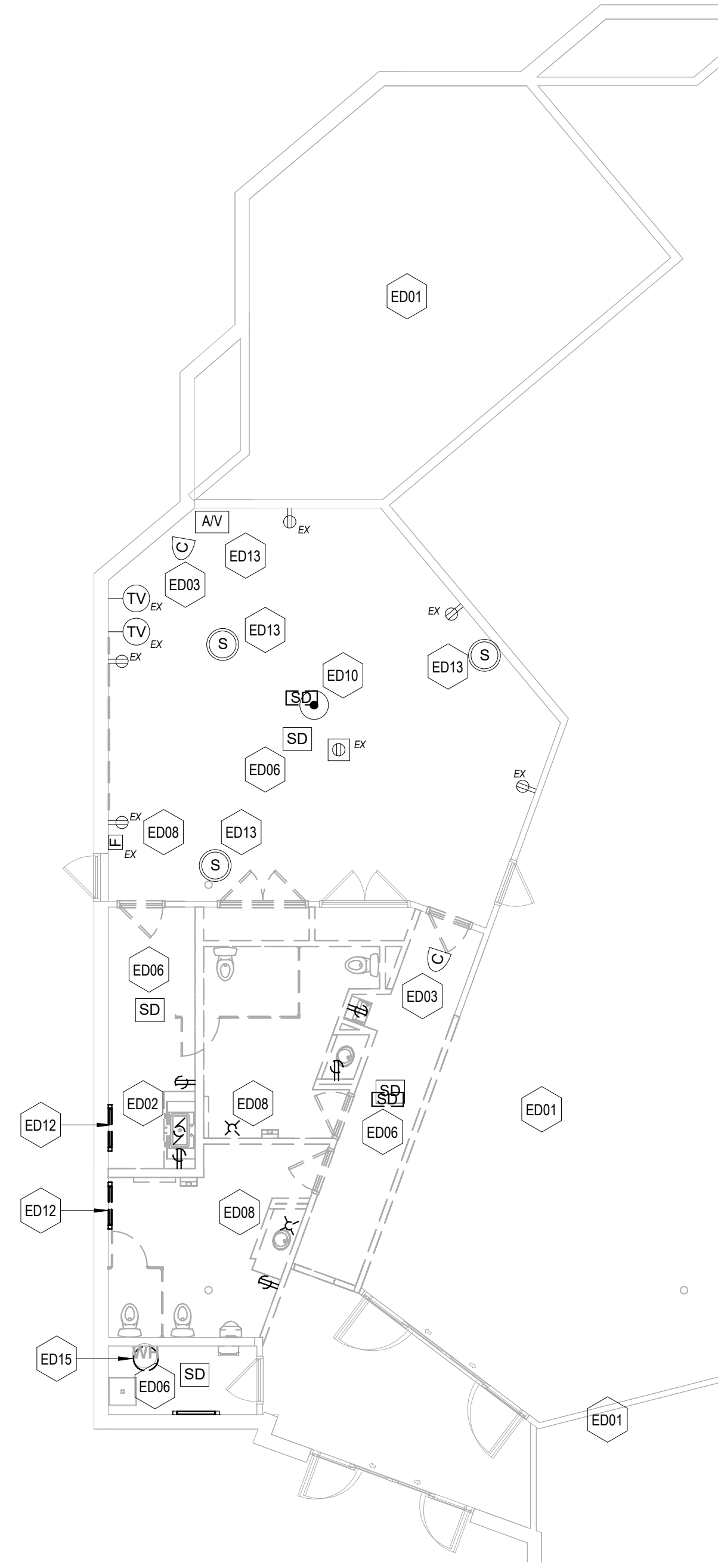
NOTE #	NOTES
ED01	ALL ELECTRICAL EQUIPMENT / DEVICES / LIGHTING IN THIS AREA ARE EXISTING TO REMAIN, UNLESS OTHERWISE NOTED. FIELD VERIFY ALL ELECTRICAL WORK PRIOR THE INSTALLATION OF NEW WORK, POWER AND LIGHTING.
ED02	DISCONNECT AND REMOVE GARBAGE DISPOSAL AND ALL ASSOCIATED CONTROL SWITCH, WIRING, AND RACEWAY BACK TO SOURCE. ASSOCIATED CIRCUIT BREAKER TO BE TURNED OFF AND MADE SPARE. UPDATE ASSOCIATED PANEL SCHEDULE.
ED03	CAREFULLY DISCONNECT AND REMOVE EXISTING SECURITY CAMERA. SECURITY CAMERA TO BE RELOCATED AS INDICATED ON NEW WORK PLANS. COORDINATE ALL WORK WITH OWNER IT AND SECURITY DEPARTMENTS.
ED06	CAREFULLY DISCONNECT AND REMOVE EXISTING SMOKE DETECTOR AND ASSOCIATED WIRING AND RACEWAY TO BE REINSTALLED AT NEW LOCATION AS INDICATED ON ELECTRICAL NEW WORK PLAN.
ED08	DISCONNECT AND REMOVE EXISTING FIRE ALARM DEVICE AND ASSOCIATED WIRING/RACEWAY BACK TO SOURCE. EXISTING TO REMAIN FIRE ALARM DEVICES TO REMAIN FULLY OPERATIONAL. IF ANY EXISTING-TO-REMAIN DEVICE AND/OR EQUIPMENT IS AFFECTED, PROVIDE ADDITIONAL WIRING/RACEWAY AS REQUIRED TO RESTORE AND MAINTAIN THE DEVICES/EQUIPMENT TO EXISTING OPERATIONAL AND WORKING CONDITION.
ED09	DISCONNECT AND REMOVE SELECTED LIGHTING FIXTURES AND ASSOCIATED CONTROL SWITCH, OCCUPANCY SENSORS, AND BRANCH CIRCUIT WIRING/RACEWAY BACK TO SOURCE. EXISTING TO REMAIN LIGHT FIXTURES TO REMAIN CONTINUOUS. IF ANY POWER TO THE EXISTING-TO-REMAIN FIXTURES IS AFFECTED, PROVIDE ADDITIONAL WIRING/RACEWAY AS REQUIRED TO RESTORE AND MAINTAIN FIXTURES TO EXISTING OPERATIONAL AND WORKING CONDITION.
ED10	CAREFULLY DISCONNECT AND REMOVE EXISTING WIRELESS ACCESS POINT. WIRELESS ACCESS POINT TO BE RELOCATED TO NEW LOCATION AS INDICATED ON NEW WORK PLANS. COORDINATE ALL WORK WITH OWNER IT DEPARTMENT.
ED11	REMOVE EXISTING EXIT/BATTERY EMERGENCY FIXTURE AND ASSOCIATED WIRING AND CONDUIT BACK TO SOURCE.
ED12	DISCONNECT AND REMOVE ELECTRICAL BASEBOARD HEATER AND ALL ASSOCIATED WIRING/RACEWAY IN THEIR ENTIRETY. COORDINATE ALL WORK WITH MECHANICAL CONTRACTOR.
ED13	DISCONNECT AND REMOVE EXISTING A/V EQUIPMENT, SPEAKERS AND ALL ASSOCIATED WIRING/RACEWAYS IN THEIR ENTIRETY. SALVAGE AND RETURN A/V EQUIPMENT AND SPEAKERS TO OWNER.
ED14	DISCONNECT AND REMOVE EXISTING TRACK LIGHT AND RETURN TO OWNER. REMOVE ALL ASSOCIATED WIRING/RACEWAYS IN THEIR ENTIRETY BACK TO SOURCE.
ED15	CAREFULLY DISCONNECT AND REMOVE EXISTING WATER HEATER AND ASSOCIATED DISCONNECT SWITCH AND WIRING AND CONDUIT BACK TO JUNCTION POINT. WATER HEATER TO BE RELOCATED TO NEW LOCATION AS INDICATED ON NEW WORK PLANS. COORDINATE ALL WORK WITH PLUMBING CONTRACTOR.



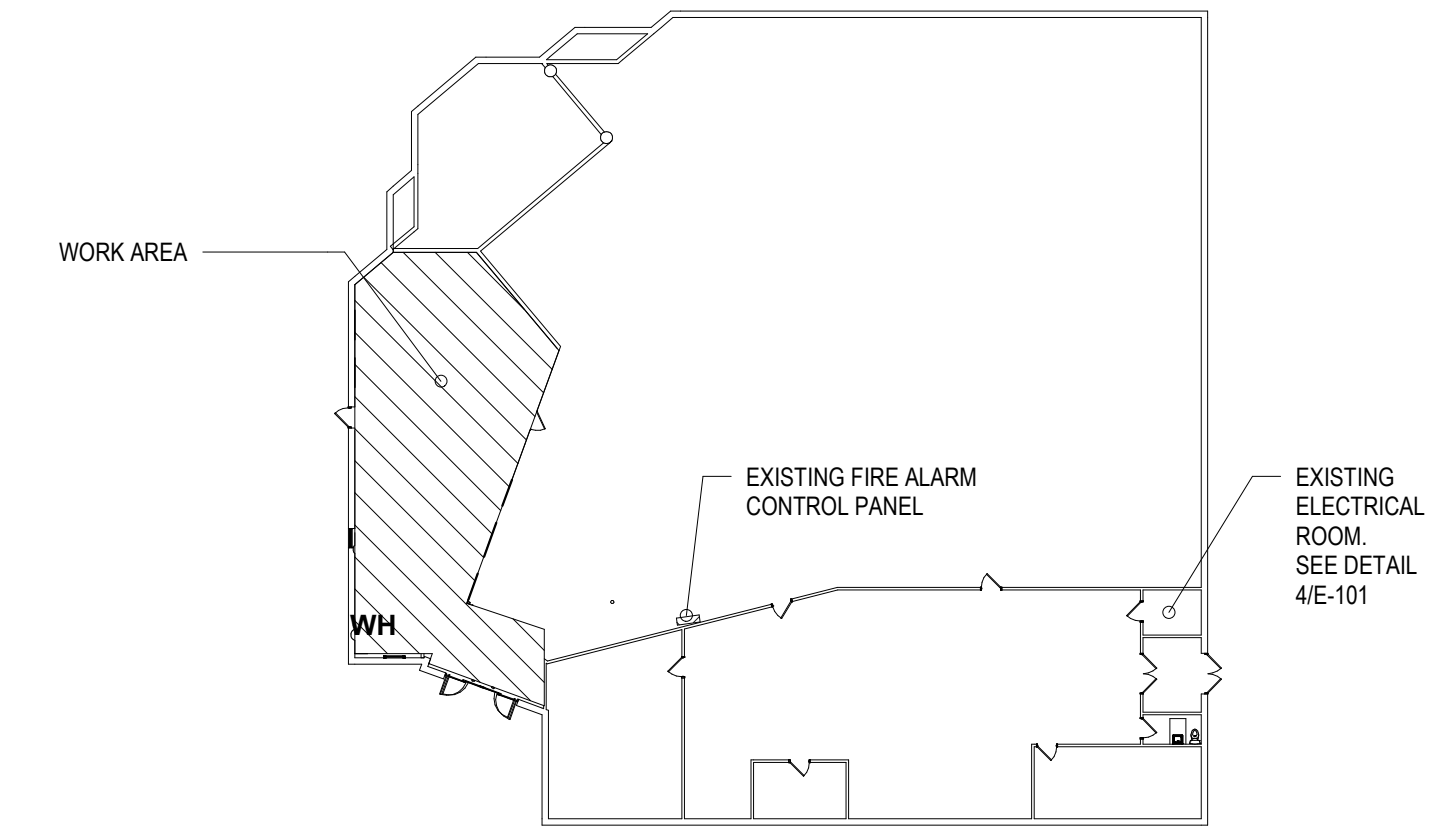
④ ENLARGED FLOOR PLAN - ELECTRICAL ROOM
1/4" = 1'-0"



① ELECTRICAL FLOOR PLAN - LIGHTING - DEMOLITION
1/8" = 1'-0"



② ELECTRICAL FLOOR PLAN - POWER AND SYSTEMS - DEMOLITION
1/8" = 1'-0"

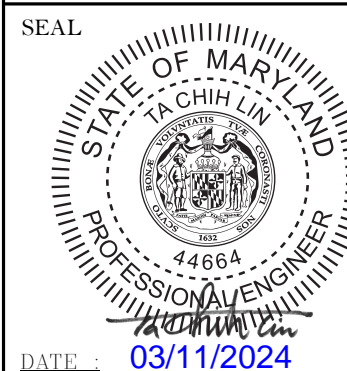


③ KEY PLAN
1" = 30'-0"

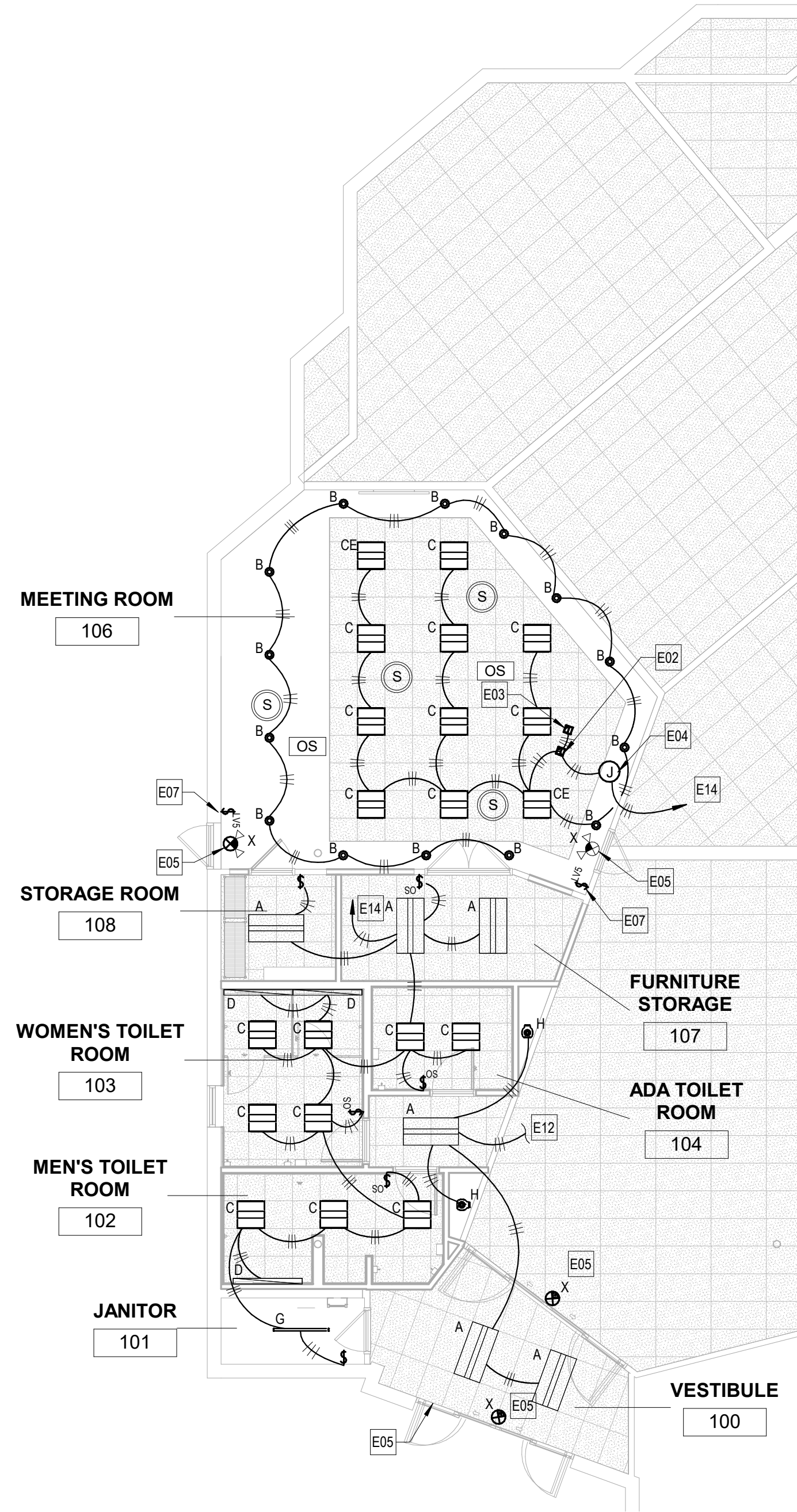
PROFESSIONAL CERTIFICATION	AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHIT	DRAWING SCALE
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 44664 EXPIRATION DATE: 06-19-2025	BID/PERMIT SET		03.11.2024	-	-	-	PLAN SCALE: As Indicated
							PROFILE SCALE: -
ENGINEER: T.A. CHIBLIN, PE ELECTRICAL ENGINEER C.C. JOHNSON & MALHOTRA, P.C. 400 EAST FRANK STREET, SUITE 100 BALTIMORE, MD 21202 (P) 410-542-0909	BUREAU OF ENGINEERING AND CONSTRUCTION	CCJM		HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER
DWN BY: CCJM	REVIEWED BY:						
CHRD BY: UNP	DATE REVIEWED:						

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE, PROPERTY MANAGEMENT	
BCPL - White Marsh	
ELECTION DIST. NO.:	
SUBDIVISION:	
8133 SANDPIPER CIRCLE BALTIMORE, MD 21226	
SHEET DESIGNATION	CONTRACT NUMBER
E101	24066 P00
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10611599	
SHEET 27 OF 29	
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2024-0352	
FILE NO.: 10611599	

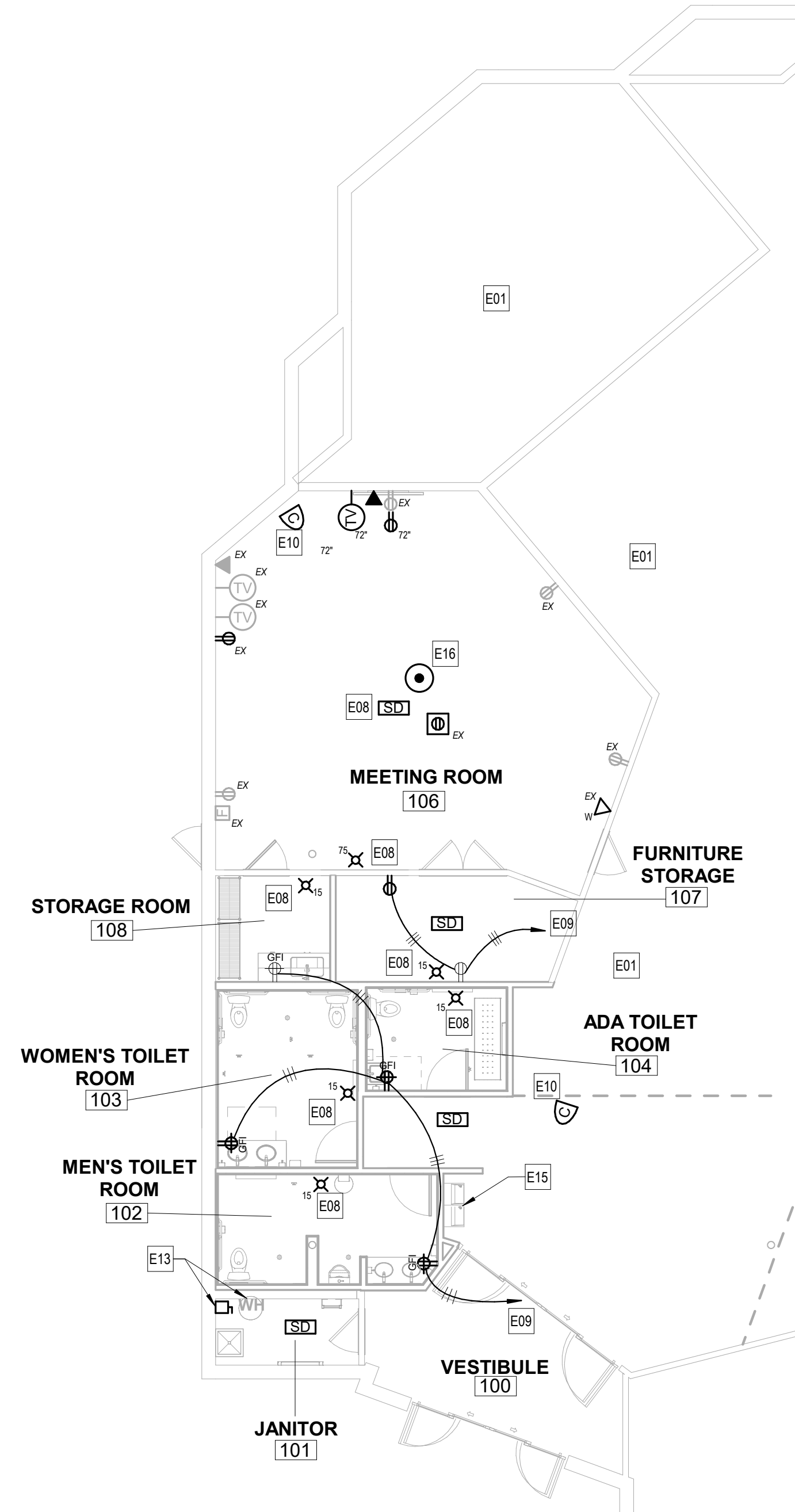
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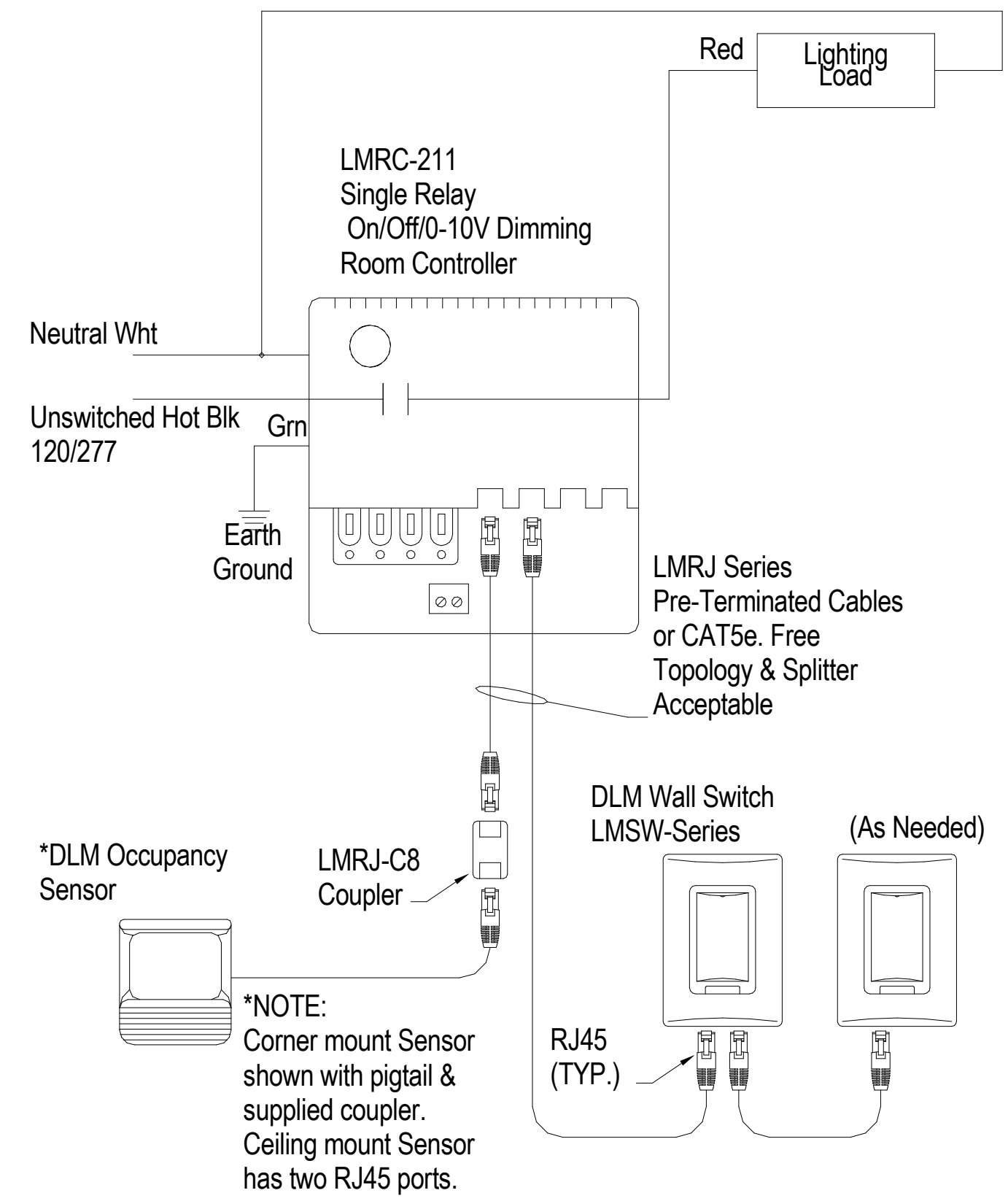
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1 ELECTRICAL FLOOR PLAN - LIGHTING - NEW WORK
1/8" = 1'-0"



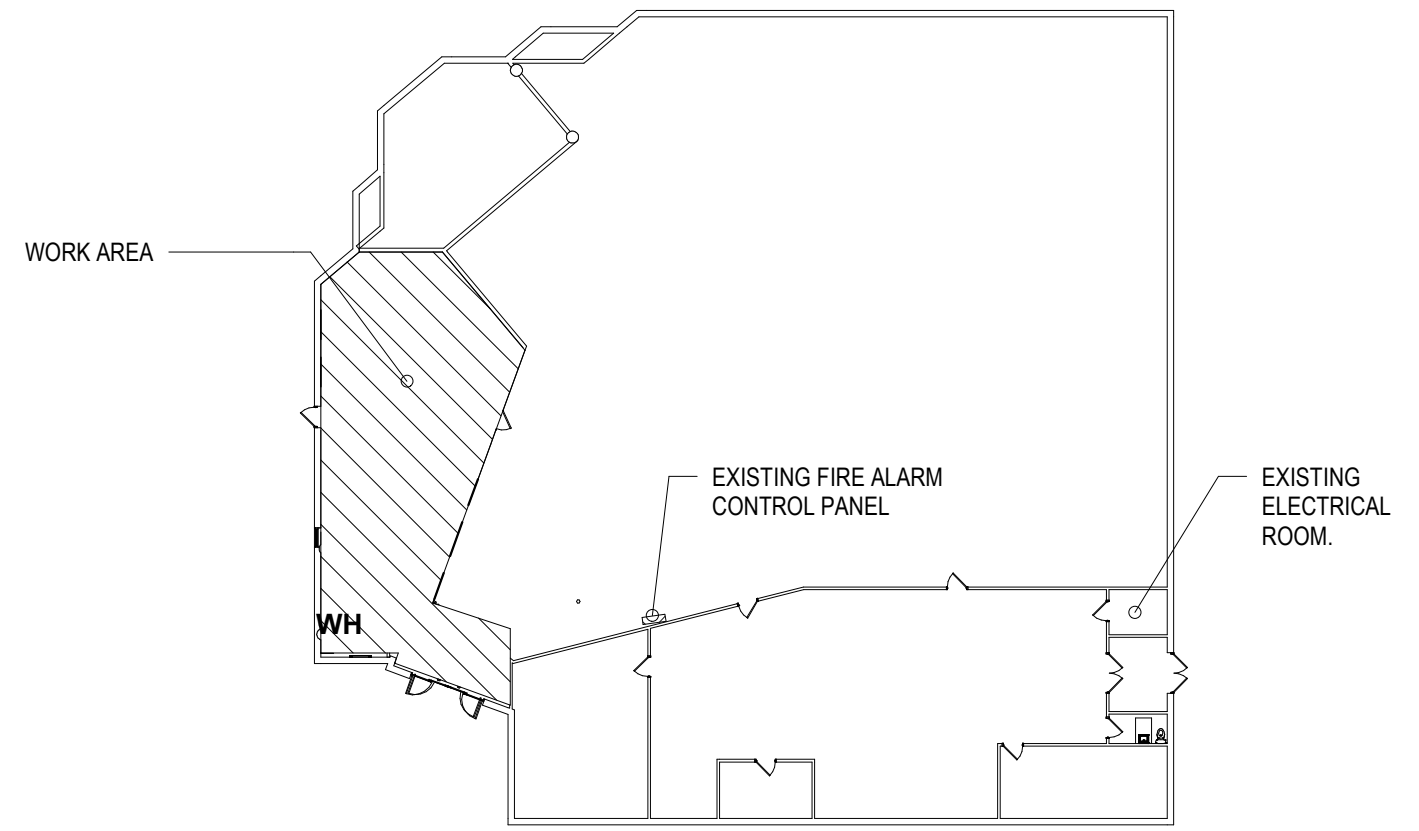
2 ELECTRICAL FLOOR PLAN - POWER AND SYSTEMS - NEW WORK
1/8" = 1'-0"



DEVICES ARE PRESET FOR PLUG n' GO™ OPERATION, ADJUSTMENT IS OPTIONAL.
Sequence of Operation: In this configuration the LMRC-211 defaults to manual-on/automatic-off operation. Enhanced room controllers support up to 64 loads and 48 devices per DLM local network. For full operational details, adjustments and more features of the product, see the DLM System Installation Guide at www.wattstopper.com

4 LIGHTING CONTROL DIAGRAM
NOT TO SCALE

ELECTRICAL KEYED NOTES - NEW WORK	
NOTE #	NOTES
E01	ALL ELECTRICAL EQUIPMENT AND SYSTEMS IN THIS AREA ARE EXISTING TO REMAIN, UNLESS OTHERWISE NOTED.
E02	PROVIDE 2-RELAY ROOM CONTROLLER, 0-10V DIMMING BY WATTSTOPPER #LMRC-212 OR APPROVED EQUAL.
E03	PROVIDE 3-RELAY ROOM CONTROLLER, 0-10V DIMMING BY WATTSTOPPER #LMRC-213 OR APPROVED EQUAL.
E04	PROVIDE 120V JUNCTION BOX FOR LIGHTING CONTROLS AND CONNECT TO EXISTING 120V, 20A LIGHTING BRANCH CIRCUIT LOCATED IN THIS AREA AFTER DEMOLITION WORK. EXISTING BRANCH CIRCUIT SHALL NOT EXCEED 1.5 KW TOTAL CONNECTED LOAD.
E05	CONNECT EXIT SIGNS/EMERGENCY BATTERY PACK TO AREA UNSWITCHED LIGHTING CIRCUIT. PROVIDE 2#12 + 1#12G IN 3/4" C.
E07	PROVIDE LOW VOLTAGE, 5-BUTTON SCENE SWITCH BY WATTSTOPPER #LMSW-105 OR APPROVED EQUAL. COORDINATE SCENE CONFIGURATION WITH OWNER.
E08	PROVIDE FIRE ALARM SYSTEM DEVICE COMPATIBLE WITH EXISTING (EDWARDS SYSTEMS TECHNOLOGY) AND ASSOCIATED WIRING AND RACEWAY. FIRE DEVICE OUTPUT SHALL BE ADJUSTED IN ACCORDANCE WITH NFPA 72 REQUIREMENTS AND LOCAL AUTHORITY HAVING JURISDICTION (AHJ). INTEGRATE DEVICE TO EXISTING FIRE ALARM SYSTEM. PROVIDE UPDATES TO ASSOCIATED FIRE ALARM CONTROL PANEL AND ANNUNCIATOR AS REQUIRED. TEST THE SYSTEM AND SUBMIT THE REPORT TO THE OWNER, AHJ AND BUILDING MANAGER.
E09	PROVIDE 2#12 & #12G IN 3/4" C TO EXISTING 1P, 20A SPARE AT PANEL "RP". COORDINATE EXACT LOCATION OF ALL RECEPTACLES WITH ARCHITECTURAL DRAWINGS PRIOR TO THE INSTALLATION OF THE ELECTRICAL DEVICE. UPDATE PANEL SCHEDULE ACCORDINGLY.
E10	EXISTING SECURITY CAMERA AT NEW LOCATION. PROVIDE WIRING AND CONDUIT TO BUILDING SECURITY RACK. COORDINATE ALL WORK WITH OWNER IT AND SECURITY DEPARTMENTS.
E12	SPLICE, EXTEND, AND PROVIDE 2#12& #12G TO AREA LIGHTING CIRCUIT. LIGHTING SHALL BE CONTROLLED BY EXISTING BUILDING TIME CLOCK LOCATED IN EXISTING ELECTRICAL CLOSET. COORDINATE LIGHTING SCHEDULE CONFIGURATION WITH OWNER.
E13	REINSTALL EXISTING WATER HEATER AND ASSOCIATED DISCONNECT SWITCH AT NEW LOCATION. SPLICE, EXTEND, AND PROVIDE WIRING AND CONDUIT EQUAL TO EXISTING BUT NOT LESS THAN WHAT IS REQUIRED BY THE NEC.
E14	SPLICE, EXTEND, AND PROVIDE 2#12& #12G TO AREA LIGHTING CIRCUIT.
E15	FOR WATER COOLER. PROVIDE 2#12 & #12G IN 3/4" C TO EXISTING 1P, 20A SPARE AT PANEL "RP". UPDATE PANEL SCHEDULE ACCORDINGLY.
E16	EXISTING WIRELESS ACCESS POINT AT NEW LOCATION. PROVIDE WIRING AND RACEWAY TO BUILDING DATA RACK. COORDINATE EXACT LOCATION WITH OWNER IT DEPARTMENT. COORDINATE ALL WORK WITH OWNER IT DEPARTMENT.



3 KEY PLAN
1" = 30'-0"

	PROFESSIONAL CERTIFICATION		AS-BUILT / REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHIT	DRAWING SCALE	APPROVED BY: _____ DIRECTOR DATE: _____ APPROVED BY: _____ CHIEF DATE: _____
	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.		BID/PERMIT SET		06.15.2024	-	-	-	PLAN SCALE: As Indicated	
	LICENSE NO. 44694 EXPIRATION DATE: 06-19-2025								PROFILE SCALE: _____	
	ENGINEER: T.A. CHIH LIN, PE ELECTRICAL ENGINEER DWN BY: CCJM CHD BY: UNP		BUREAU OF ENGINEERING AND CONSTRUCTION	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE, PROPERTY MANAGEMENT

BCPL - White Marsh
ELECTRICAL - PARTIAL FLOOR PLAN - NEW WORK

8133 SANDPIPER CIRCLE
BALTIMORE, MD 21226

ELECTION DIST. NO.:

SHEET DESIGNATION	CONTRACT NUMBER
E201	24066 P00
JOB ORDER NUMBER	
10611599	
SHEET 28 OF 29	
DRAWING NUMBER	
2024-0353	
FILE NO.: 10611599	

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DWG. RELEASE

Branch Panel: L

Location: ELECTRICAL ROOM
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MCB
Mains Rating: 200 A
MCB Rating: 200 A

Notes:
EXISTING PANEL. MANUFACTURED BY GENERAL ELECTRIC.

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	EXTERIOR WALL LIGHTS	20 A	1	0 VA	0 VA			1	20 A	2
3	EXTERIOR WALL LIGHTS	20 A	1		0 VA	0 VA		1	20 A	4
5	SIGN & TIME CLOCK	20 A	1			0 VA	0 VA	1	20 A	6
7	WORK ROOM LIGHT	20 A	1	0 VA	0 VA			1	20 A	8
9	WORK ROOM LIGHT	20 A	1		0 VA	0 VA		1	20 A	10
11	WORK ROOM LIGHT	20 A	1			0 VA	0 VA	1	20 A	12
13	MEETING ROOM TRACK LIGHTS	20 A	1	0 VA	0 VA			1	20 A	14
15	BULKHEAD RECEPTACLE	20 A	1		0 VA	0 VA		1	20 A	16
17	READING ROOM LIGHTS 2X4'S	20 A	1			0 VA	0 VA	1	20 A	18
19	READING ROOM LIGHTS 2X4'S	20 A	1	0 VA	0 VA			1	20 A	20
21	READING ROOM LIGHTS 2X4'S	20 A	1		0 VA	0 VA		1	20 A	22
23	KITCHEN REC PLUG MOLD/PREP ROOM REC	20 A	1			0 VA	0 VA	1	20 A	24
25	SHELF LTS. (QUIET ROOM)	20 A	1	0 VA	0 VA			1	20 A	26
27	RECEP. LAPTOP (QUIET ROOM)	20 A	1		0 VA	0 VA		1	20 A	28
29	TRACK LIGHTS - QUIET STUDY	20 A	1			0 VA	0 VA	1	20 A	30
31	TRACK LIGHTS - QUIET STUDY	20 A	1	0 VA	0 VA			1	20 A	32
33	TRACK LIGHTS	20 A	1		0 VA	0 VA		1	20 A	34
35	LAY IN 2X4 PERIODICALS	20 A	1			0 VA	0 VA	1	20 A	36
37	TRACK LIGHTS - HIGH CEILING	20 A	1	0 VA	0 VA			1	20 A	38
39	TRACK LIGHTS - HOLD SHELF	20 A	1		0 VA	0 VA		1	20 A	40
41	TRACK LIGHTS - HIGH CEILING	20 A	1			0 VA	0 VA	1	20 A	42
Total Load:				0 VA	0 VA	0 VA				
Total Amps:				0 A	0 A	0 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
				Total Conn. Load: 0 VA
				Total Est. Demand: 0 VA
				Total Conn.: 0 A
				Total Est. Demand: 0 A

Notes:

Branch Panel: RP

Location:
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MCB
Mains Rating: 200 A
MCB Rating: 200 A

Notes:
EXISTING PANEL. MANUFACTURED BY GENERAL ELECTRIC.

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	TELE POWER RECEPTACLE	20 A	1	0 VA	0 VA			1	20 A	2
3	PROF. WORK ROOM & OFFICE RECEPTACLE	20 A	1		0 VA	0 VA		1	20 A	4
5	ROOF, WORK RM, OFFICE RECP &...	20 A	1			0 VA	0 VA	1	20 A	6
7	WORK ROOM, STAFF RECEPTACLE	20 A	1	0 VA	0 VA			1	20 A	8
9	WORK ROOM, STAFF RECEPTACLE, POWER...	20 A	1		0 VA	0 VA		1	20 A	10
11	WORK ROOM DEDICATED RECEPTACLE	20 A	1			0 VA	0 VA	1	20 A	12
13	ISOLATED CIR FOR MACINTOSH	20 A	1	0 VA	0 VA			1	20 A	14
15	LIGHTS - FLOOR OUTLETS	20 A	1		0 VA	0 VA		1	20 A	16
17	LIGHTS - FLOOR OUTLETS	20 A	1			0 VA	0 VA	1	20 A	18
19	LIGHTS - FLOOR OUTLETS	20 A	1	0 VA	0 VA			1	20 A	20
21	LIGHTS - FLOOR OUTLETS	20 A	1		0 VA	0 VA		3	20 A	22
23	SPARE [EXISTING]	20 A	1			0 VA	0 VA	--	--	24
25	SLIDING DOORS	20 A	1	0 VA	0 VA			--	--	26
27	SPARE [EXISTING]	20 A	1		0 VA	0 VA		3	20 A	28
29	READING ROOM RECEPTACLE	20 A	1			0 VA	0 VA	--	--	30
31	BASEBOARD HEAT - WORK ROOMS	20 A	1	0 VA	0 VA			--	--	32
33	SPARE [EXISTING]	20 A	1		0 VA	0 VA		1	20 A	34
35	SPARE [EXISTING]	20 A	1			0 VA	0 VA	1	20 A	36
37	BASEBOARD HEAT - STAFF BATHROOM	20 A	1	0 VA	0 VA			1	20 A	38
39	KITCHEN RANGE	40 A	2		0 VA	0 VA		1	20 A	40
41	--	--	--			0 VA	0 VA	1	20 A	42
Total Load:				0 VA	0 VA	0 VA				
Total Amps:				0 A	0 A	0 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
				Total Conn. Load: 0 VA
				Total Est. Demand: 0 VA
				Total Conn.: 0 A
				Total Est. Demand: 0 A

Notes:

Branch Panel: AB

Location: ELECTRICAL ROOM
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MCB
Mains Rating: 150 A
MCB Rating: 150 A

Notes:
EXISTING PANEL. MANUFACTURED BY GENERAL ELECTRIC.

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	EXISTING	20 A	1	0 VA	0 VA			1	20 A	2
3	PUBLIC COMPUTERS (FLOOR)	20 A	1		0 VA	0 VA		1	20 A	4
5	EXISTING	20 A	1			0 VA	0 VA	1	20 A	6
7	CHILDRENS COMPUTER	20 A	1	0 VA	0 VA			1	20 A	8
9	NEW COMP CTR FLOOR	20 A	1		0 VA	0 VA		1	20 A	10
11	NEW COMP CTR FLOOR	20 A	1			0 VA	0 VA	1	20 A	12
13	RECEP. BY PANEL	20 A	1	0 VA	0 VA			1	20 A	14
15	POWER POLE WK RM #1	20 A	1		0 VA	0 VA		1	20 A	16
17	POWER POLE WK RM #2	20 A	1			0 VA	0 VA	1	20 A	18
19	CATALOG COMP (FLOOR)	20 A	1	0 VA	0 VA			1	20 A	20
21	FIRE ALARM PANEL	20 A	1		0 VA	0 VA		3	50 A	22
23	POWER POLE	20 A	1			0 VA	0 VA	--	--	24
25	Space	--	1	--	0 VA			--	--	26
27	Space	--	1			--	--	1	Space	28
29	Space	--	1			--	--	1	Space	30
Total Load:				0 VA	0 VA	0 VA				
Total Amps:				0 A	0 A	0 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
				Total Conn. Load: 0 VA
				Total Est. Demand: 0 VA
				Total Conn.: 0 A
				Total Est. Demand: 0 A

Notes:

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	BASIS OF DESIGN		LAMP			VOLTAGE	COMMENTS
		MANUFACTURER	MODEL	TYPE	WATTS	EFFICACY		
A	RECESSED 2X4	LEDALITE	SHINE 3324	28W T5	39 W	149 lm/W	120V	
B	1200 & 1800 Lumen Series	Eaton's Cooper Lighting	PD612 and PD618	LED	19 W	149 lm/W	120V	
C	2x2, 3000lm, 80CRI, 3500K, Diffuse(Ribbed)	PHILLIPS	2FGG30L835-2-D-UNV	LED	20 W	149 lm/W	120V	
CE	2x2, 3000lm, 80CRI, 3500K, Diffuse(Ribbed)	PHILLIPS	2FGG30L835-2-D-UNV	LED	20 W	149 lm/W	120V	
D	5" SEAMLESS RECESSED LED	PHILLIPS	TRUeline RECESSED	LED	56 W	147 lm/W	120V	
G	4" MVOLT SWITCHABLE LED STRIP FIXTURE	LITHONIA LIGHTING	CSS L48 AL03 MVOLT SWM3 80CRI	LED	27 W	149 lm/W	120V	
H	4" OPEN TRIM DOWNLIGHT	LITHONIA LIGHTING	LDN4 40 20 L04 MVOLT	LED	22 W	91 lm/W	120V	COORDINATE WITH ARCHITECT FOR FIXTURE FINISHES
X	EXIT SIGN	LITHONIA LIGHTING	LQM SERIES	LED	12 W	0 lm/W	120V	

LIGHT FIXTURE GENERAL NOTES

- REFER TO ARCHITECTURAL DRAWING FOR MOUNTING CONSTRUCTION.
- LISTED CATALOG NUMBER AND MANUFACTURER CONSTITUTES "BASIS OF DESIGN". LISTING OF ALTERNATE MANUFACTURERS NAMES DOES NOT IMPLY ACCEPTANCE OF THEIR STANDARD PRODUCT. MANUFACTURERS ARE RESPONSIBLE FOR PROVIDING FIXTURES THAT ARE EQUAL IN ALL RESPECTS TO THE "BASIS OF DESIGN" FIXTURES. "INTENT IS TO ALLOW FOR COMPETITIVELY BID LIGHTING PACKAGE, FOR FIXTURES WITH MULTIPLE NAMED MANUFACTURERS."
- SUBSTITUTIONS OF FIXTURES ONLY ALLOWED WHEN APPROVED IN ADVANCE BEFORE SHOP DRAWINGS SUBMITTAL AND REQUEST FOR SUBSTITUTION IS SUBMITTED IN ACCORDANCE WITH SPECIFICATION REQUIREMENTS.
- LIGHTING FIXTURES SUBMITTALS SHALL INCLUDE, AS A MINIMUM: A) FIXTURE TYPE (TO MATCH WITH SCHEDULE), DIMENSIONS AND FINISH. B) LAMP DATA/LED DATA FOR EACH TYPE OF FIXTURE INCLUDING: TYPE, QUANTITY, WATTAGE, AND PHOSPHOR COLOR. C) DRIVER FOR EACH FIXTURE TYPE AND FIXTURE VOLTAGE.
- PROVIDE UNIVERSAL 120/277 VOLT, 0-10V DIMMING DRIVER FOR DIMMING TO 1% UNLESS OTHERWISE INDICATED.
- VERIFY CEILING/WALL TRIM COMPATIBILITY PRIOR TO SUBMITTING THE FIXTURES. COLOR AND FIXTURE FINISHES AS SELECTED BY ARCHITECT WHETHER SHOWN OR NOT. PROVIDE ADAPTER AND ADDITIONAL MOUNTING EQUIPMENT AS REQUIRED TO MOUNT FIXTURE TO SURFACE.
- PROVIDE LABOR AND EQUIPMENT FOR FOCUSING OF ADJUSTABLE FIXTURES AND PRESETTING OF LIGHTING CONTROL SYSTEMS. FOCUSING AND PRESETTING SHALL BE DONE IN THE PRESENCE OF THE OWNER AND ARCHITECT/ENGINEER.
- PROVIDE ALL CONTROL WIRES FOR 0-10V DIMMING. PROVIDE DIMMING BALLAST (DIMMABLE FROM 10%-100%)
- IF THE CONTRACTOR OPTS TO USE THE FIXTURE OF ALTERNATE MANUFACTURER (WHERE ACCEPTABLE), THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE POINT-TO-POINT CALCULATIONS FOR ALL AREAS AS DIRECTED BY THE ENGINEER AT THE TIME OF SUBSTITUTION REQUEST.
- PROVIDE ALL CHANNELS, HANGERS, CABLES, SUPPORTS AND OTHER ACCESSORIES AS REQUIRED FOR SUSPENDED FIXTURES FOR COMPLETE WORKING SYSTEM WITHOUT ADDITIONAL COST TO OWNER. PROVIDE SIDE BRACKETS TO MOUNT TO WALL /COVE/SUPPORTS.
- IF MULTIPLE VOLTAGES ARE INDICATED, FIXTURE IS COMPATIBLE WITH MULTIPLE VOLTAGES. FIXTURE TO BE WIRED TO VOLTAGE INDICATED IN PARENTHESES ().
- PROVIDE INSTALLED UL LABELS WITH THE MAXIMUM SCHEDULED WATTAGE.
- LED SHALL BE 3500K COLOR TEMPERATURE.
- REFER TO LIGHTING PLANS FOR (*) ROW LENGTH.
- LIGHTING FIXTURES IN EQUIPMENT ROOMS TO BE INSTALLED AFTER ALL EQUIPMENT, PIPING, DUCTWORK, ETC. HAS BEEN INSTALLED SO AS NOT TO CREATE INTERFERENCES AND TO MAXIMIZE ILLUMINATION LEVELS.
- THE BATTERY BACKUP SYSTEM SHALL MEET LOCAL REQUIREMENTS (MINIMUM 90 MIN. BACKUP TIME, TEST SWITCH & INDICATOR). BALLAST SELECTION FOR ALL FIXTURES SHALL BE COORDINATED WITH THE LIGHTING CONTROL MANUFACTURER BEFORE BID. PROVIDE DIMMING BALLAST AS IT IS INDICATED ON LIGHTING PLANS, MOUNTING METHOD AND HEIGHT FOR PENDANT-TYPE FIXTURES SHALL BE COORDINATED WITH THE ARCHITECT AND ARCHITECTURAL PLANS. PROVIDE PLENUM-RATED FIXTURE WHERE IT IS APPLICABLE. REFER TO MECHANICAL DRAWING FOR INFORMATION.

SEAL OF THE STATE OF MARYLAND PROFESSIONAL ENGINEER

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

ENGINEER: T.A. CHIBLIN, PE
ELECTRICAL ENGINEER
DGN BY: CCJM
DWN BY: CCJM
CHD BY: UNP

AS-BUILT / REVISION
BID/PERMIT SET

BY: [Signature]
DATE: 06.15.2024

P.W.A. NO.: -
KEY SHEET: -
POSITION SHIT: -
DRAWING SCALE: -

BUREAU OF ENGINEERING AND CONSTRUCTION
REVIEWED BY:
DATE REVIEWED:

HIGHWAYS STRUCTURES STORM DRAINS SEWER WATER FIELD ENGINEER

APPROVED BY: [Signature] DIRECTOR
DATE: -
PROPERTY MANAGEMENT
APPROVED BY: [Signature] CHIEF
DATE: -

BALTIMORE COUNTY OFFICE OF BUDGET AND FINANCE, PROPERTY MANAGEMENT

BCPL - White Marsh
ELECTRICAL - SCHEDULES

8133 SANDPIPER CIRCLE
BALTIMORE, MD 21226

ELECTION DIST. NO.:

SHEET DESIGNATION	CONTRACT NUMBER
E601	24066 POO
	JOB ORDER NUMBER
	10611599
	SHEET 29 OF 29
	DRAWING NUMBER
	2024-0354
	FILE NO.: 10611599