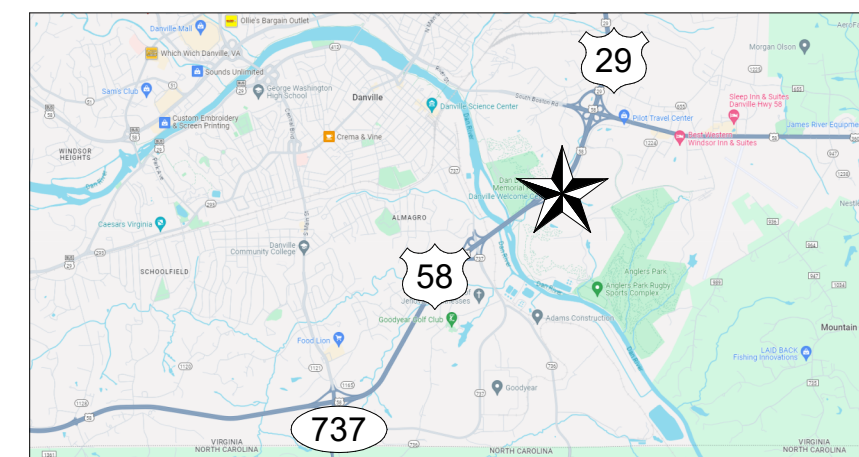


DANVILLE WELCOME CENTER RENOVATIONS

645 River Park Drive
Danville, V.A. 24540

BID & PERMITTING SET

2024.06.21



VICINITY MAP



LOCATION MAP

OWNER

CITY OF DANVILLE



INTERIORS

Dodie Hudson, CID, LEED AP
Dewberry Engineers Inc.

551 Piney Forest Rd.
Danville, VA 24540

434.797.4497

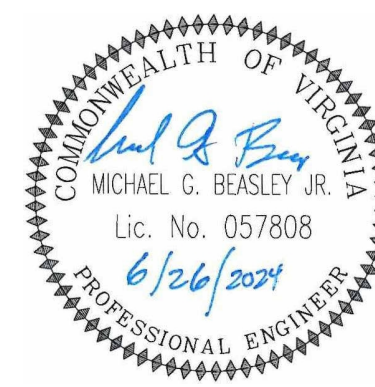


PLUMBING/ MECHANICAL

Christopher L. Snyder, PE
Master Engineers & Designers

904 Lakeside Drive
Lynchburg, V.A. 24501

434.846.1350



ELECTRICAL

Michael Grant Beasley Jr., PE
Master Engineers & Designers

904 Lakeside Drive
Lynchburg, V.A. 24501

434.846.1350

A

B

C

D

E

STANDARD ABBREVIATIONS

SHEET INDEX

Table of standard abbreviations including symbols like @, ACT, ADDN, etc., and their corresponding full names such as - AT, - ACOUSTIC CEILING TILE, etc.

Table of sheet index abbreviations including G-100 COVER, G-101 INDEX, A-100 PHASING AND SITE PLAN, etc.



Dewberry Engineers Inc. 551 Piney Forest Road Danville, VA 24540 434.797.4497 Phone 434.797.4341 Fax www.dewberry.com

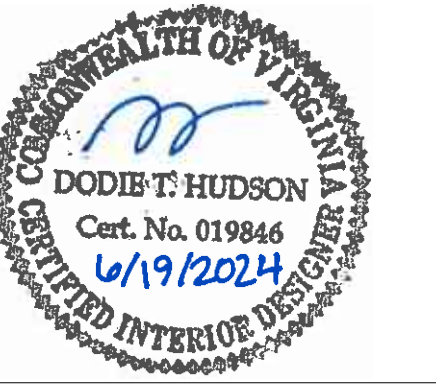


Master Engineers & Designers 904 Lakeside Drive Lynchburg, VA 24501 434.846.1350

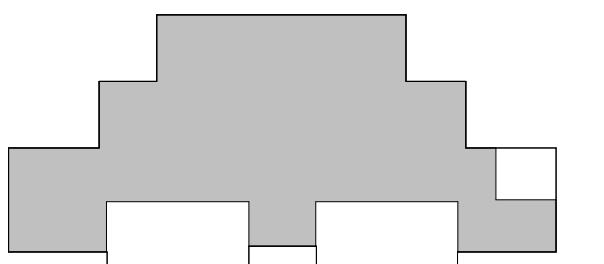
CITY OF DANVILLE DANVILLE WELCOME CENTER RENOVATIONS

645 River Park Drive Danville, V.A. 24540 BID & PERMITTING SET

SEAL



KEY PLAN



SCALE

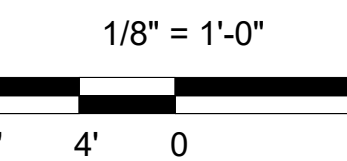


Table with 3 columns: No., Description, Date. Intended for recording revisions.

REVISIONS

DRAWN BY: SC APPROVED BY: DTH CHECKED BY: DATE: 2024.06.21

TITLE

INDEX

PROJECT NO. 50180608

G-101

SHEET NO.

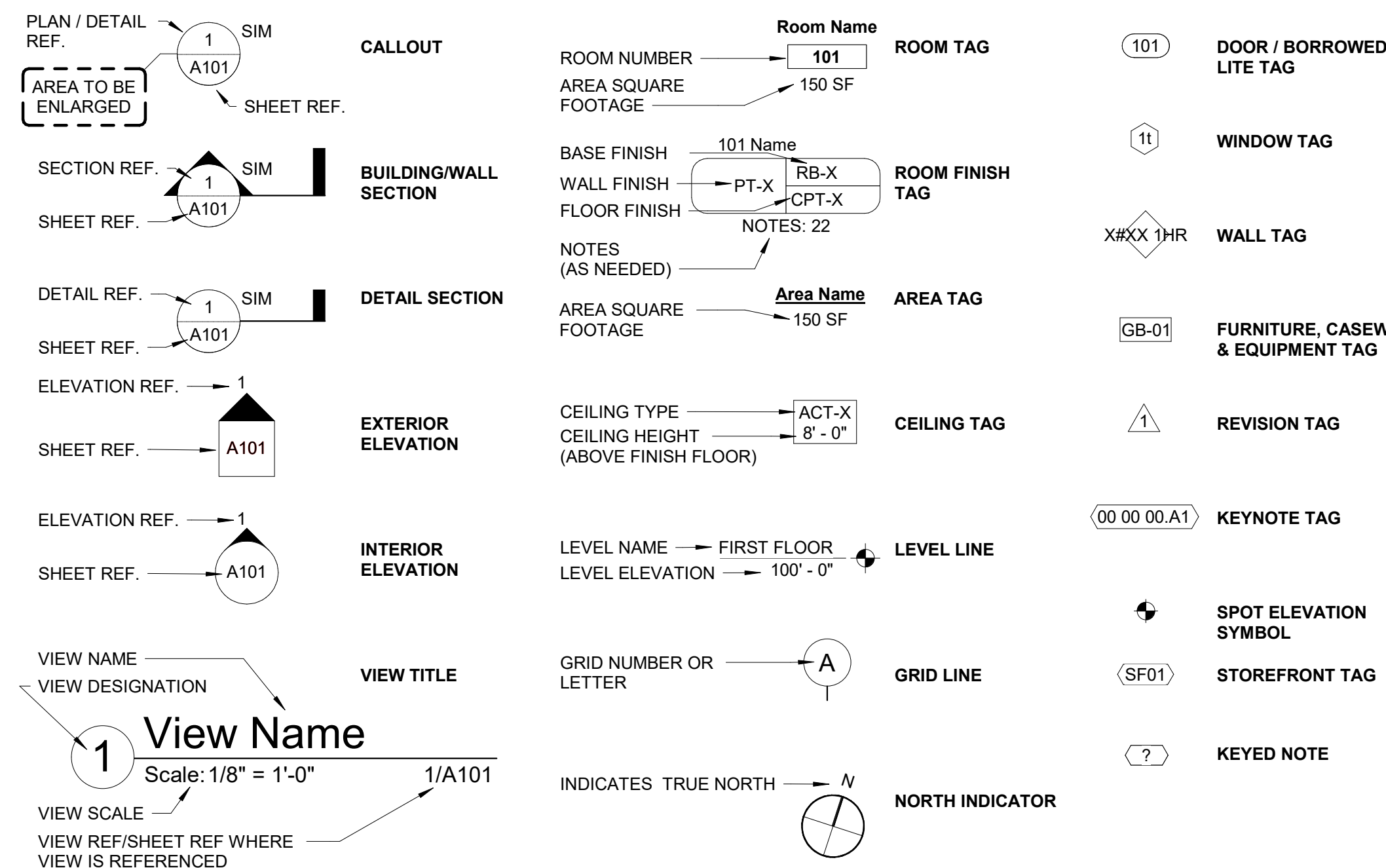
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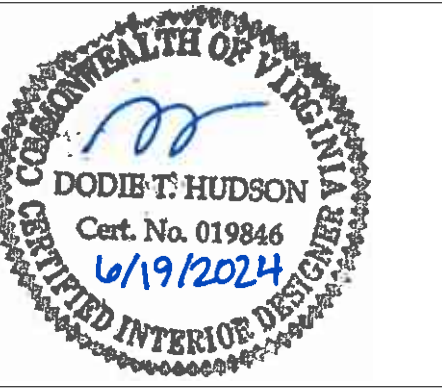
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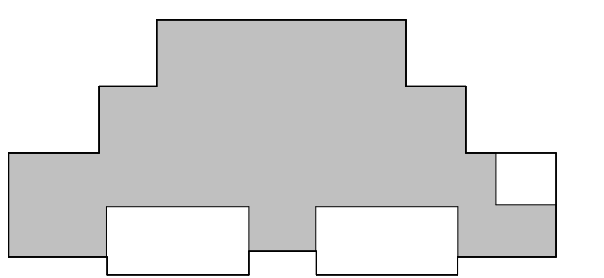


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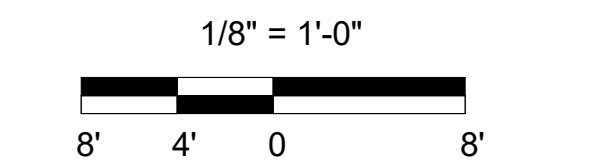
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KEY PLAN



SCALE



No.	Description	Date

REVISIONS

DRAWN BY	SC
APPROVED BY	
CHECKED BY	DTH
DATE	2024.06.21

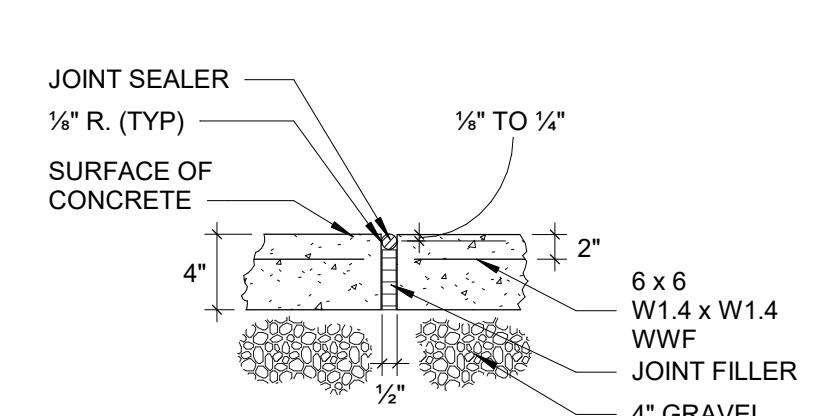
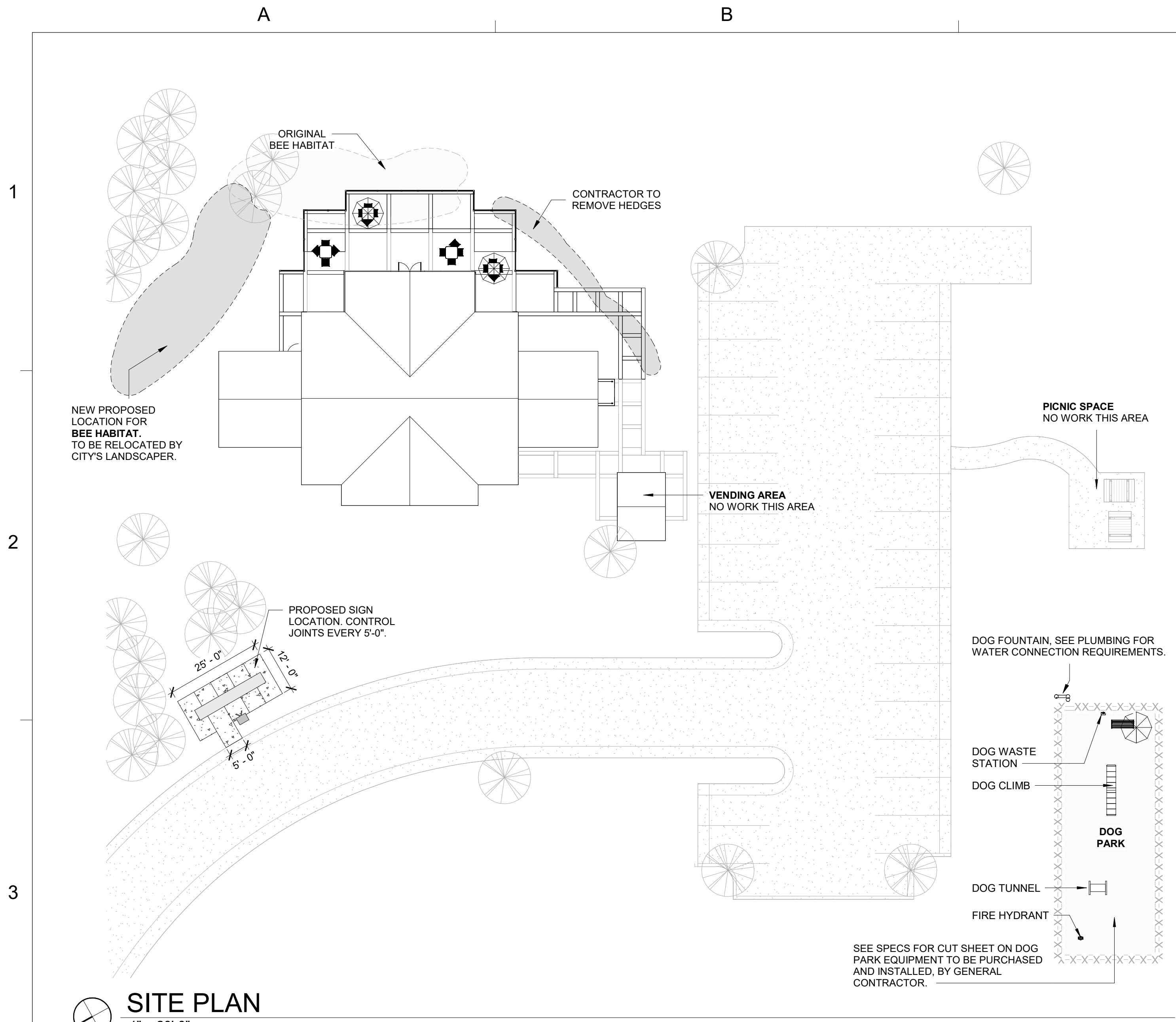
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**PHASING AND
SITE PLAN**

PROJECT NO. 50180608

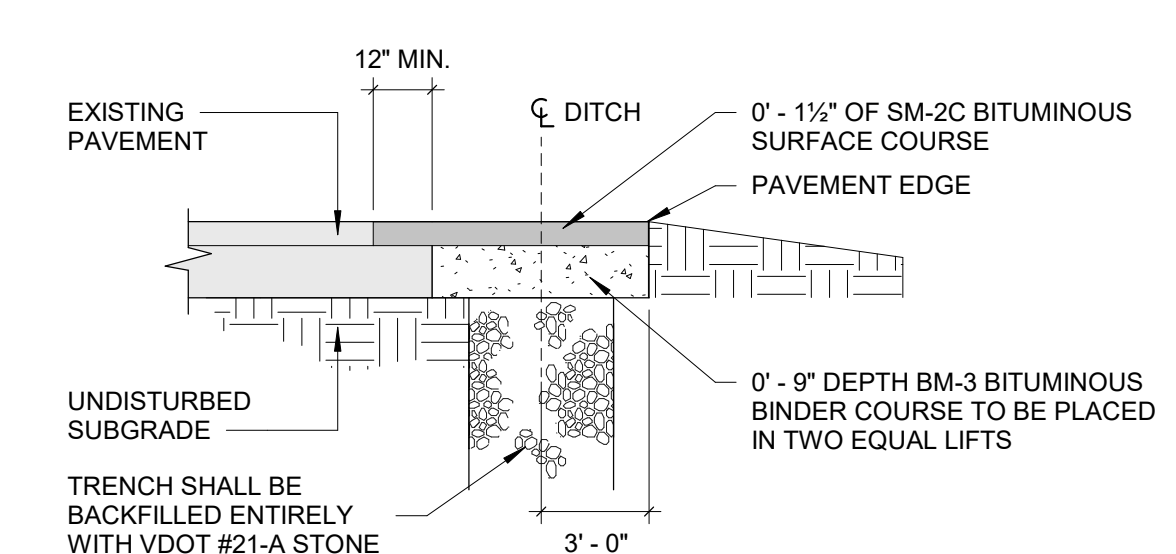
A-100

SHEET NO.



NOTE:
A GROOVE JOINT 1" DEEP WITH 0-1/4" RADIUS SHALL BE REQUIRED IN THE CONCRETE SIDEWALK AT 5'-0" INTERVALS. ONE 0-1/2" EXPANSION JOINT WILL BE REQUIRED AT 50'-0" INTERVALS. A 0-1/2" EXPANSION JOINT WILL BE REQUIRED WHERE THE SIDEWALK JOINS ANY RIGID STRUCTURE.

1 SIDEWALK DETAIL
Scale: N.T.S.

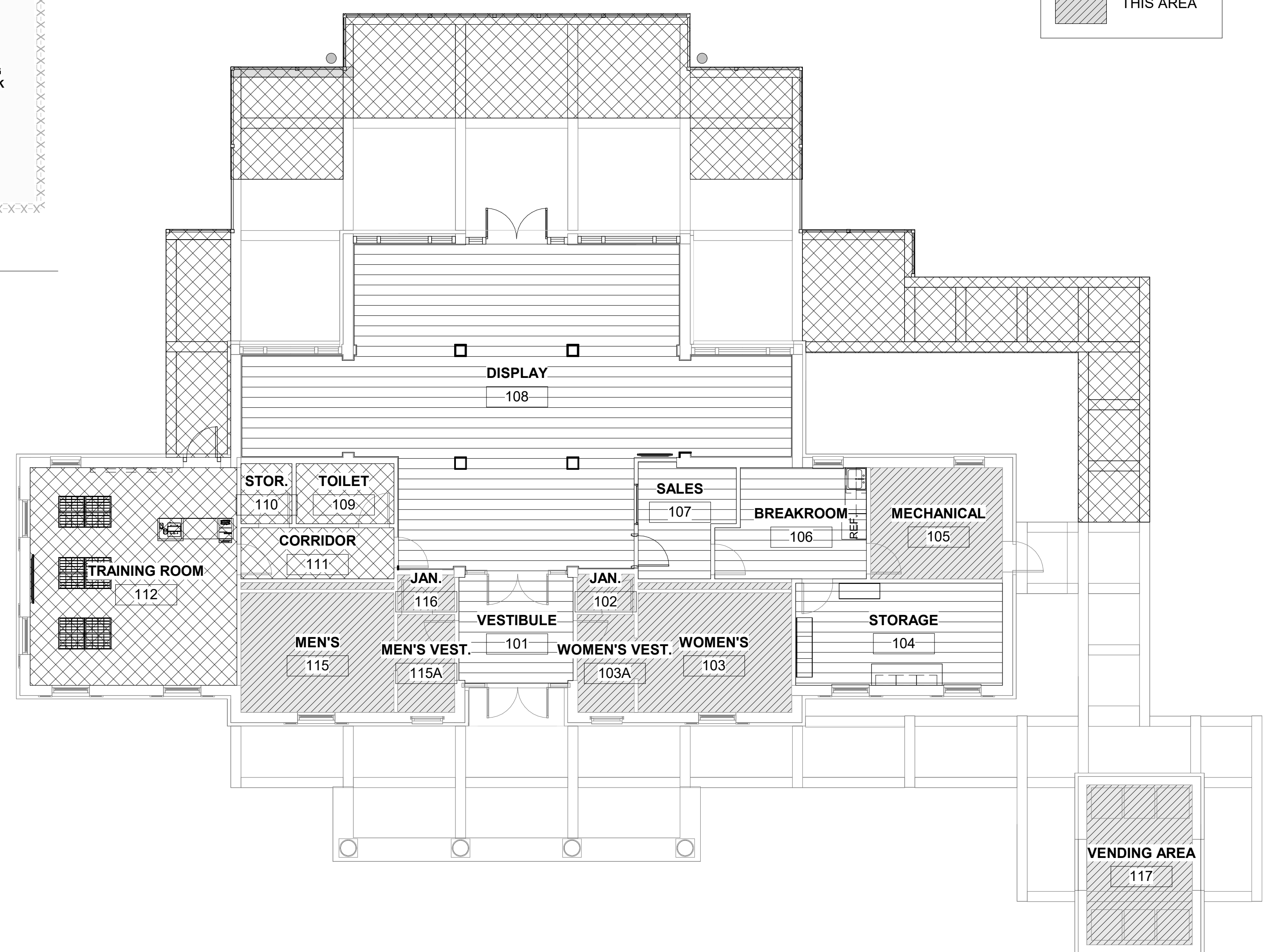
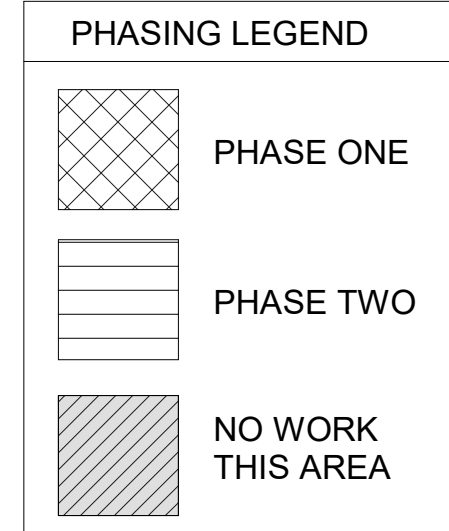


NOTE:
PERMANENT PAVEMENT REPAIR SHALL BE COMPLETED WITHIN A 500 F.T. DISTANCE OF THE CURRENT WORK IN PROGRESS OR AT THE END OF EACH WORK WEEK.

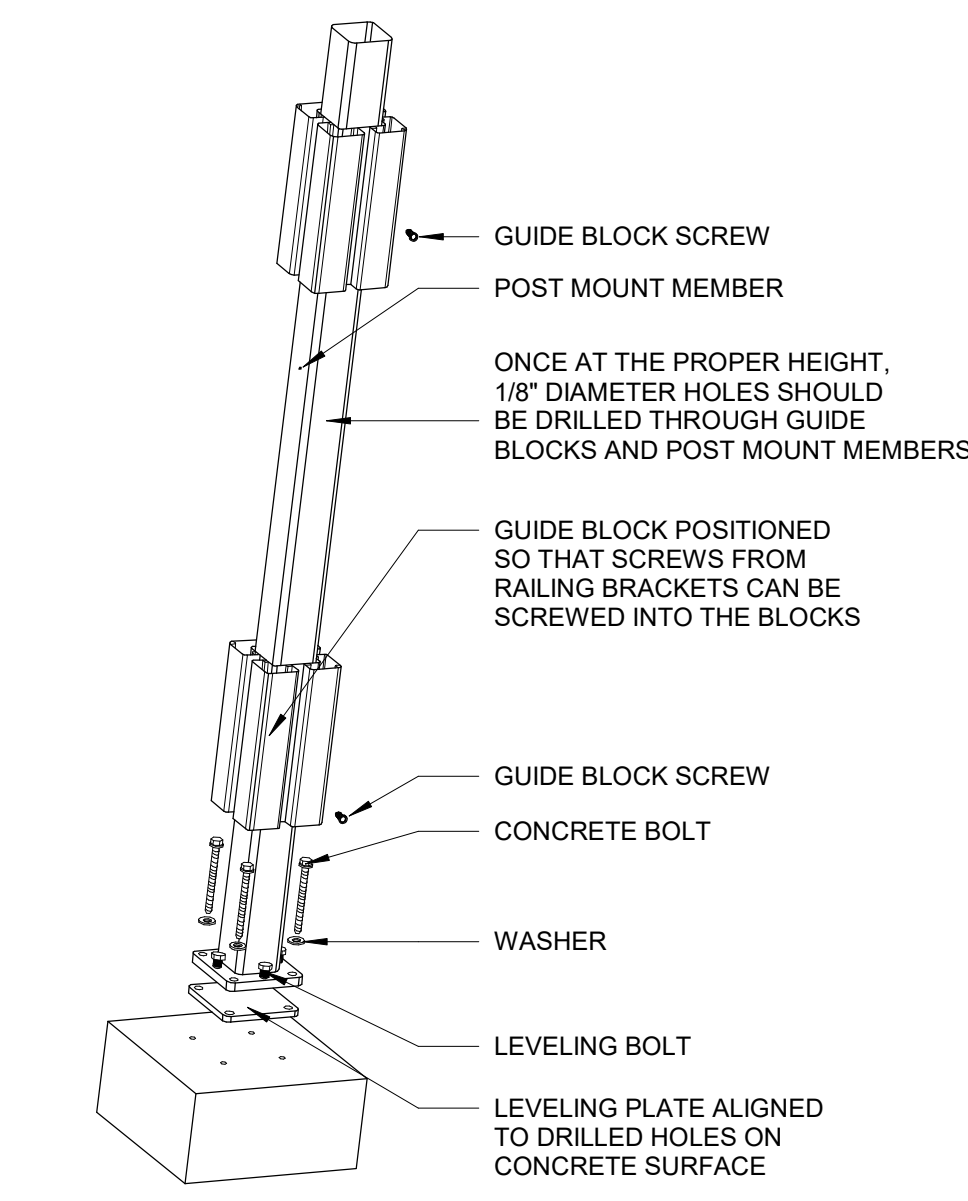
2 PAVEMENT REPAIR WITH CONCRETE BASE
Scale: N.T.S.

GENERAL PHASING NOTES

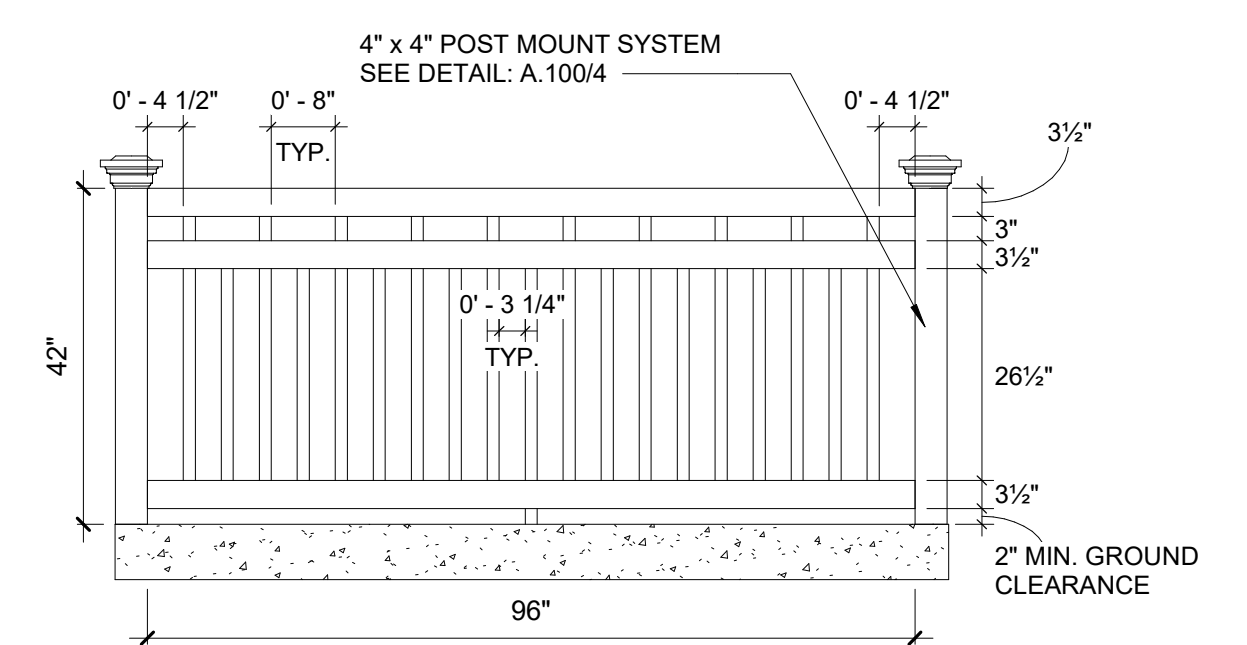
- EXTERIOR ACCESS TO THIS PHASE OF THE PROJECT MUST BE DONE FIRST.
- CONTRACTOR TO BUILD 12 KIOSK AND ONE POINT OF SALE FOR USE DURING PHASING PROCESS.
- DURING EACH PHASE OF CONSTRUCTION, CITY WILL HIRE A CONTRACTOR TO INSTALL NEW WINDOWS. COORDINATE ASSOCIATED CONSTRUCTION WITH WINDOW INSTALLER.



PHASING PLAN
1/8" = 1'-0"



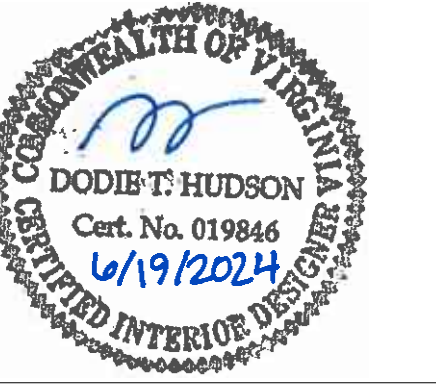
3 CONCRETE POST MOUNT
Scale: N.T.S.



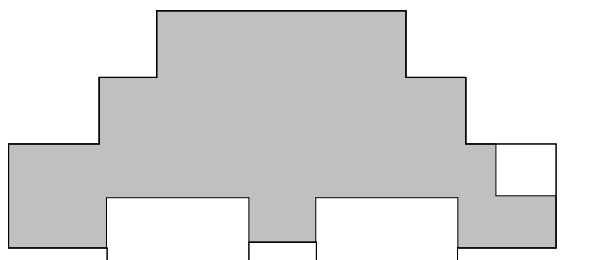
4 CHESHIRE 42" x 8' VINYL FENCING PANEL
Scale: 1/2" = 1'-0"

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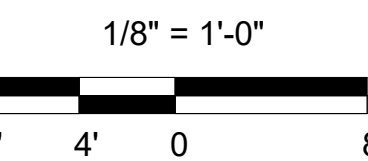
SEAL



KEY PLAN



SCALE



No. Description Date

REVISIONS

DRAWN BY SC
APPROVED BY
CHECKED BY DTH
DATE 2024.06.21

TITLE

DEMOLITION & NEW WORK PLAN

PROJECT NO. 50180608

A-101

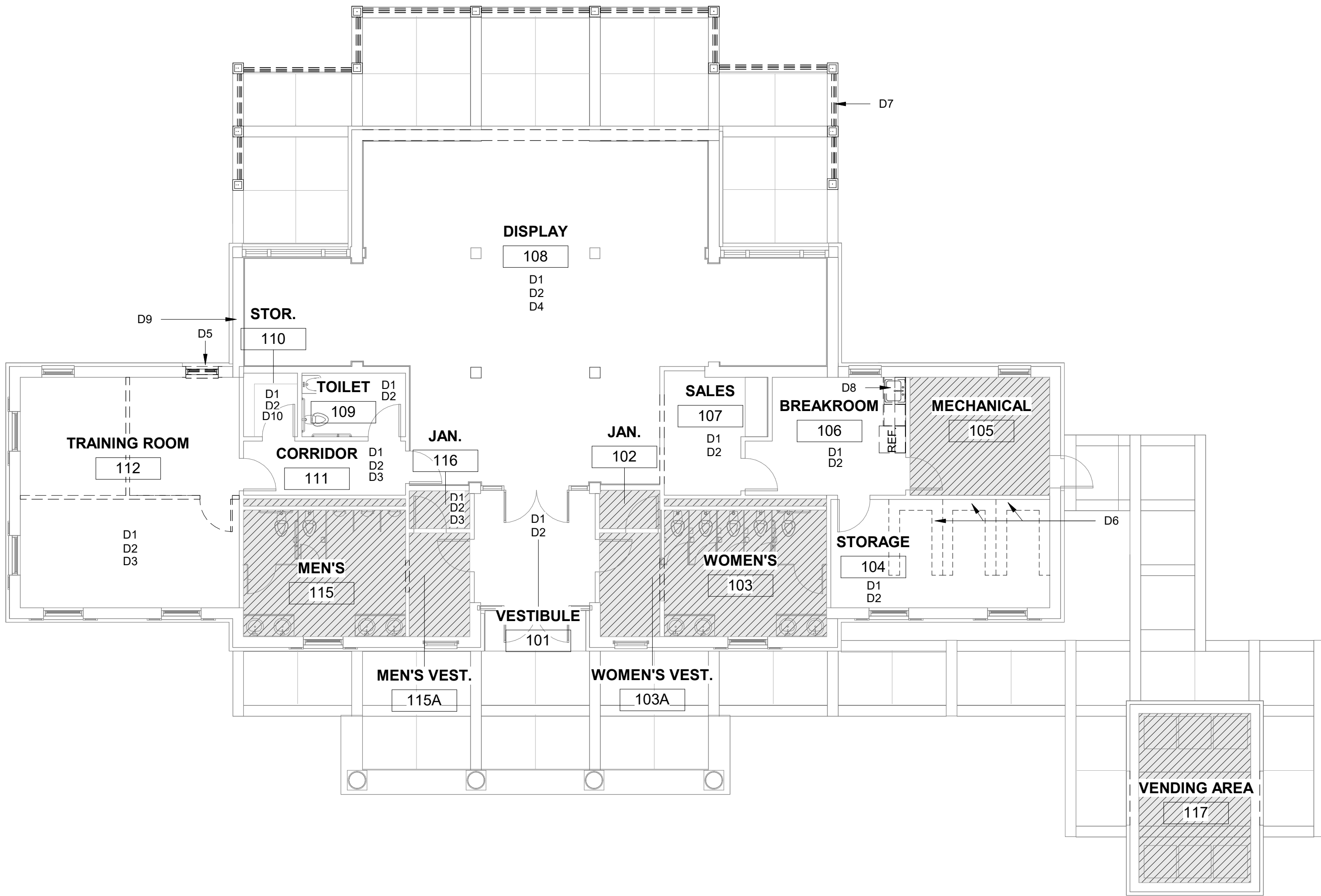
SHEET NO.

GENERAL DEMOLITION NOTES

1. THE GENERAL CONTRACTOR SHALL FURNISH ALL LABOR & MATERIALS AS REQUIRED TO COMPLETE DEMOLITION & REMOVAL OF ALL ITEMS AS SHOWN OR NOTED ON DRAWINGS & THOSE ITEMS REQUIRED TO BE REMOVED TO FULFILL THE INTENT OF THE CONSTRUCTION DOCUMENTS.
2. DEMOLITION & REMOVAL OF DEBRIS, ALL DEMOLITION AND RUBBISH REMOVAL SHALL BE CONFINED TO THE TIMES AND HOURS ALLOWED BY ALL LOCAL CODES HAVING JURISDICTION AND COORDINATED WITH THE CONSTRUCTION CONSULTANT.
3. DEBRIS SHALL BE REMOVED FROM THE SITE ON A DAILY BASIS.
4. CONTRACTORS SHALL BE RESPONSIBLE FOR INSPECTION REQUIREMENTS BY AUTHORITIES HAVING JURISDICTION OVER THE PROJECT FOR THEIR PORTIONS OF THEIR WORK, INCLUDING NOTIFICATION OF AUTHORITIES, AND SHALL ALERT THE ARCHITECT IN A TIMELY MANNER THAT THEIR INSTALLATIONS ARE AT A POINT REQUIRING INSPECTION BY LOCAL AUTHORITIES BEFORE PROCEEDING OR ALLOWING THEIR WORK TO BE COVERED UP BY SUBSEQUENT CONSTRUCTION BY OTHER CONTRACTORS. CONTRACTORS ARE RESPONSIBLE FOR COMPLYING WITH ALL CODES AND REGULATIONS PERTAINING TO THEIR WORK AND CORRECTING ANY DEFICIENCIES THAT MAY BE FOUND BY INSPECTING AUTHORITIES. CONTRACTORS INVOLVED IN DEMOLITION OPERATIONS SHALL BE AWARE OF ONGOING OR SCHEDULED OPERATIONS BY OTHER CONTRACTORS IN PROXIMITY TO DEMOLITION AREAS.
5. DEMOLITION INVOLVING THE INTERIOR OF THE BUILDING SHALL BE ACCOMPANIED BY ALL SAFETY MEASURES NECESSARY AND REQUIRED TO PROTECT WORKMEN AT THE SITE.
6. PROVIDE PROTECTION FOR EXISTING FINISHES TO REMAIN, INCLUDING, BUT NOT LIMITED TO ORNAMENTAL/FINISH PLASTER, WINDOWS, TRIMS, AND ALL WOOD FLOORS.
7. DEMOLITION INVOLVING MODIFICATION OR CREATION OF OPENINGS IN THE EXTERIOR ENVELOPE OF THE BUILDING SHALL BE ACCOMPANIED BY SUBSTANTIAL INTERIM CLOSURE OF SUCH OPENINGS, BEFORE SUBSEQUENT AND PERMANENT CLOSURE, TO ASSURE BUILDING SECURITY AND WEATHER RESISTANCE. DEMOLITION INVOLVING THE EXTERIOR ENVELOPE OF THE BUILDING ENVELOPE SHALL BE ACCOMPANIED BY ALL SAFETY MEASURES NECESSARY AND REQUIRED BY CODE AND AUTHORITIES TO PROTECT THE PUBLIC.
8. DEMOLITION THAT INVOLVED ITEMS, OR ASSEMBLIES WITH MECHANICAL, PLUMBING OR ELECTRICAL CONNECTIONS SHALL HAVE SUCH CONNECTIONS DISCONNECTED, DEACTIVATED, CAPPED OR SEALED BY THE APPROPRIATE CONTRACTOR, IN ACCORDANCE WITH THE APPLICABLE CODES, ORDINANCES, REGULATIONS, REQUIREMENTS OR INSTRUCTIONS OF INSPECTING AUTHORITIES.
9. NO WORK SHALL BE DONE BY CONTRACTORS THAT WILL REDUCE THE STRUCTURAL INTEGRITY OF THE BUILDING OR ITS COMPONENTS, REDUCE THE CURRENT LEVEL OR DEGREE OF FIRE PROTECTION OR LIFE-SAFETY MEASURES OR CONFLICT WITH ANY APPLICABLE CODES, ORDINANCES, REGULATIONS REQUIREMENTS OR INSTRUCTIONS OF INSPECTING AUTHORITIES.
10. REMAINING EXISTING SURFACES THAT ARE DISTURBED, OR IN ANY WAY MARKED BY DEMOLITION OPERATIONS OR INSTALLATIONS OF FOLLOW-ON NEW MATERIALS, ITEMS OR ASSEMBLIES SHALL BE PATCHED, REPAIRED, REFINISHED OR REPLACED AS REQUIRED TO PRODUCE A FINISHED APPEARANCE. PATCHING AND REPAIRS SHALL BE MADE WITH LIKE NEW MATERIALS MATCHING CONTIGUOUS EXISTING OR IN-PLACE NEW MATERIALS AND FINISHES.
11. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES THAT ARE FOUND DURING THE DEMOLITION PROCESS.
12. WHERE WALLS ARE DEMOLISHED, PATCH & REPAIR WALL WITH MATERIALS TO MATCH ADJACENT IN APPEARANCE AND THICKNESS.
13. PATCH, SAND & PAINT ALL HOLES, DINGS, DAMAGED AREAS OF EXISTING WALLS TO PREP FOR NEW PAINT. TAPE, NAILS, SCREWS, ETC SHALL BE REMOVED.

DEMOLITION KEYED NOTES

NOTE	DESCRIPTION
D1	REMOVE EXISTING FLOORING AND PREPARE TO RECEIVE NEW.
D2	REPAIR WALLS AS NEEDED, FILL HOLES AND PREPARE FOR PAINT. ALL GPDW TO BE FREE OF KNICKS, HOLES, ETC. PAINT FIELD COLOR.
D3	REMOVE EXISTING CEILING, LIGHTING, AND CEILING APPURTENANCES.
D4	PATCH AND PREPARE EXISTING WAINSCOTTING WITH STAIN TO MATCH. PATCH AND/OR RESTAIN ANY HOLES, SCRATCHES, WTC. TO MATCH EXISTING STAIN.
D5	REMOVE EXISTING WINDOW AND PREPARE FOR NEW DOOR.
D6	REMOVE EXISTING SHELVING.
D7	REMOVE EXISTING RAILING AND BRICK POST.
D8	REMOVE CASEWORK, PREPARE TO RECEIVE NEW CASEWORK AND SINK.
D9	LIGHT TO BE REMOVED AND BRICK TO BE PATCHED, REUSE WIRING IF LONG ENOUGH, OTHERWISE REWIRE OVER NEW DOOR AND PROVIDE LIGHT AT NEW DOOR.
D10	REMOVE SHELVING POST AT FLOOR TO INSTALL NEW FLOORING. INSTALL NEW POST ONCE FLOORING IS COMPLETE.



DEMOLITION PLAN
1/8" = 1'-0"

NO WORK THIS AREA

GENERAL CONSTRUCTION NOTES

1. PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTOR SHALL VISIT THE JOB SITE TO REVIEW THE SCOPE OF WORK AND CONFIRM THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN.
2. PLANS ARE NOT TO BE SCALED AND ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE, UNLESS OTHERWISE NOTED.
3. FURNISH ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY TO AFFECT ALL INSTALLATIONS INDICATED ON THE DRAWINGS, INCLUDING DETAILS, AND LABOR NECESSARY FOR SUCCESSFUL INSTALLATION OF THE WORK.
4. INSTALL ALL EQUIPMENT AND MATERIALS IN STRICT ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
5. DETAILS ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS.
6. WORK SHOWN OR REFERRED TO ON ANY DRAWING SHALL BE PROVIDED AS THOUGH SHOWN ON ALL RELATED DRAWINGS.
7. EVERY EFFORT HAS BEEN MADE TO PROVIDE THE COMPLETE SCOPE OF WORK. MINOR OMISSIONS AND DISCREPANCIES IN THE DRAWINGS AND SPECIFICATIONS SHALL NOT DIMINISH THE EXPECTATION OF A COMPLETED FACILITY AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS. IN THE EVENT OF DISCREPANCIES, PRICE THE MORE EXPENSIVE OR EXTENSIVE WORK, UNLESS DIRECTED OTHERWISE.
8. GENERAL CONTRACTOR SHALL PROVIDE AT THE JOB SITE A FULL SET OF CONSTRUCTION DOCUMENTS ANNOTATED WITH THE LATEST REVISIONS AND CLARIFICATIONS FOR THE USE BY ALL.

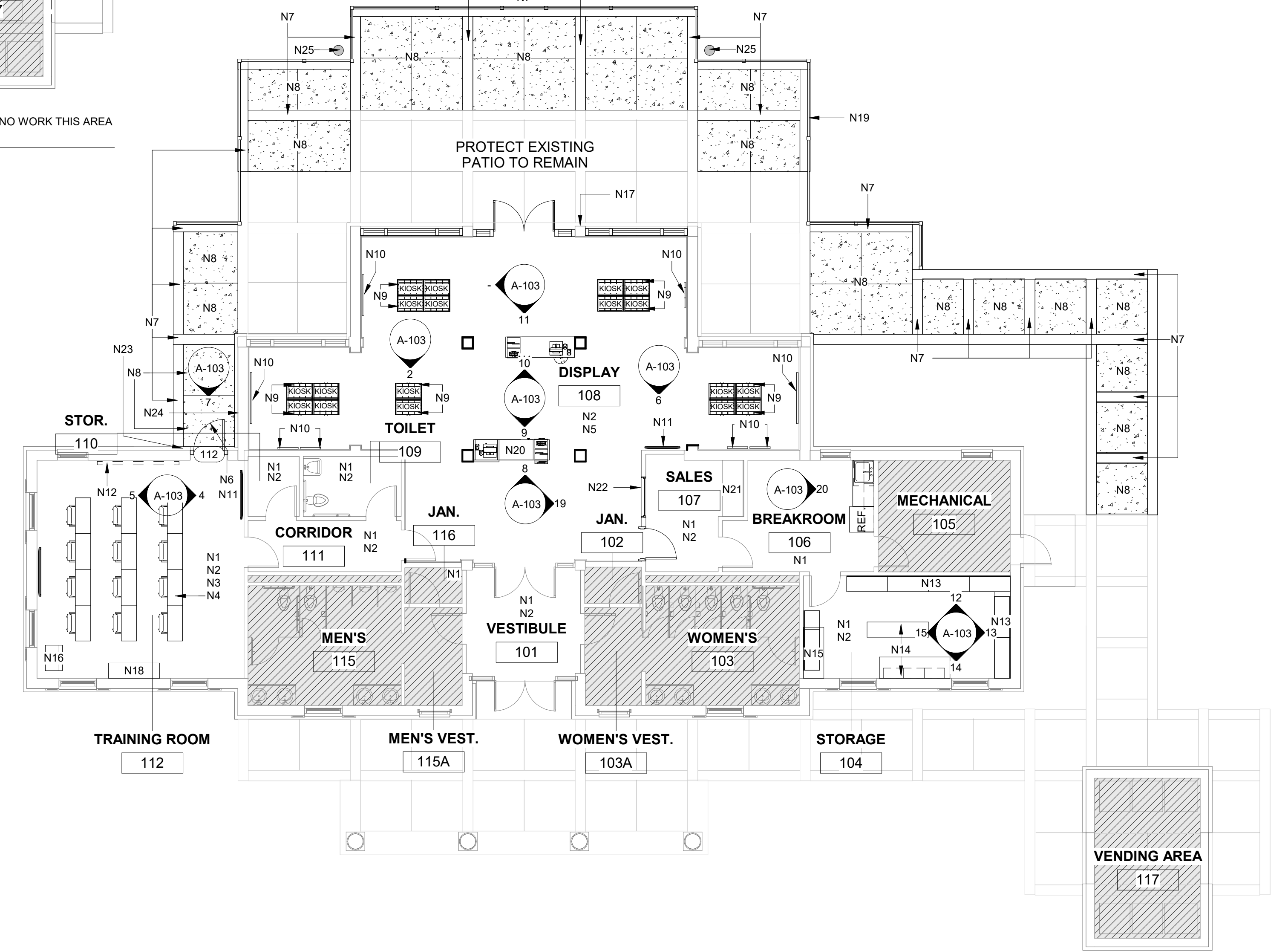
NEW WORK KEYED NOTES

NOTE	DESCRIPTION
N1	INSTALL NEW FLOORING AND BASE.
N2	ALL EXPOSED SIDES OF WALLS TO RECEIVE NEW PAINT. FIELD COLOR. PATCH EXISTING FOR NEW FLUSH FINISH. REMOVE AND REINSTALL ANY WALL ATTACHMENTS PRIOR TO PREPPING AND PAINTING WALL.
N3	INSTALL NEW CEILING AND GRID.
N4	TABLES AND CHAIRS (NIC)
N5	STAIN/PATCH EXISTING WAINSCOTTING.
N6	INSTALL NEW EXTERIOR DOOR. SEE DOOR ELEVATION. SEE SPECS FOR DOOR HARDWARE.
N7	INSTALL SMOOTH FINISH CONCRETE TO MATCH EXISTING.
N8	INSTALL BROOM FINISH CONCRETE TO MATCH EXISTING.
N9	MOBILE BROCHURE KIOSK. SEE DETAILS INCLUDED IN THIS SET.
N10	ARTWORK BY OWNER
N11	MONITOR (NIC) SEE WOOD BLOCKING ELEVATIONS.
N12	DRY ERASE BOARD (NIC) SEE WOOD BLOCKING ELEVATION.
N13	18" DEEP ADJUSTABLE OPEN SHELVING. SEE ELEVATIONS.
N14	WORK SPACE WITH OPEN SHELVING
N15	TALL STORAGE CABINETS
N16	LECTERN (NIC)
N17	WIRELESS DOORBELL - SEE SPECS.
N18	COFFEE/BREAK BUFFET (NIC)
N19	REINSTALL RAILING IN NEW LOCATION, AFTER CONCRETE PADS HAVE BEEN PLACED.
N20	RECEPTION AREA/REGISTER (NIC)
N21	EXISTING CASEWORK TO REMAIN.
N22	INSTALL NEW GPDW WALL AND WINDOW ABOVE EXISTING WAINSCOTTING. TAKE WALL TO BELOW EXISTING CEILING.
N23	NEW LIGHT FIXTURE, SEE ELECTRICAL.
N24	REMOVE EXISTING LIGHT FIXTURE. INFILL BRICK WITH BRICK AND MORTAR FROM WINDOW REMOVAL TO MATCH EXISTING.
N25	NEW POLE MOUNTED LIGHTING, SEE ELECTRICAL.

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



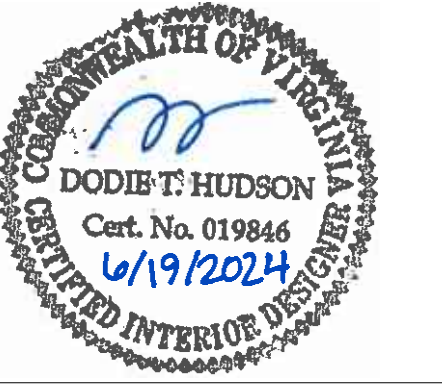
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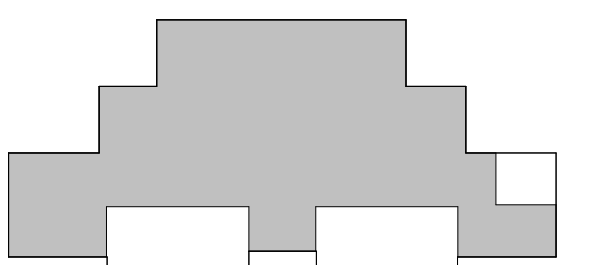
CITY OF DANVILLE
**DANVILLE WELCOME
CENTER RENOVATIONS**

645 River Park Drive
Danville, V.A. 24540
BID & PERMITTING SET

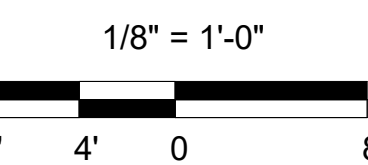
SEAL



KEY PLAN



SCALE



No.	Description	Date

REVISIONS

DRAWN BY _____ SC
APPROVED BY _____
CHECKED BY _____ DTH
DATE _____ 2024.06.21

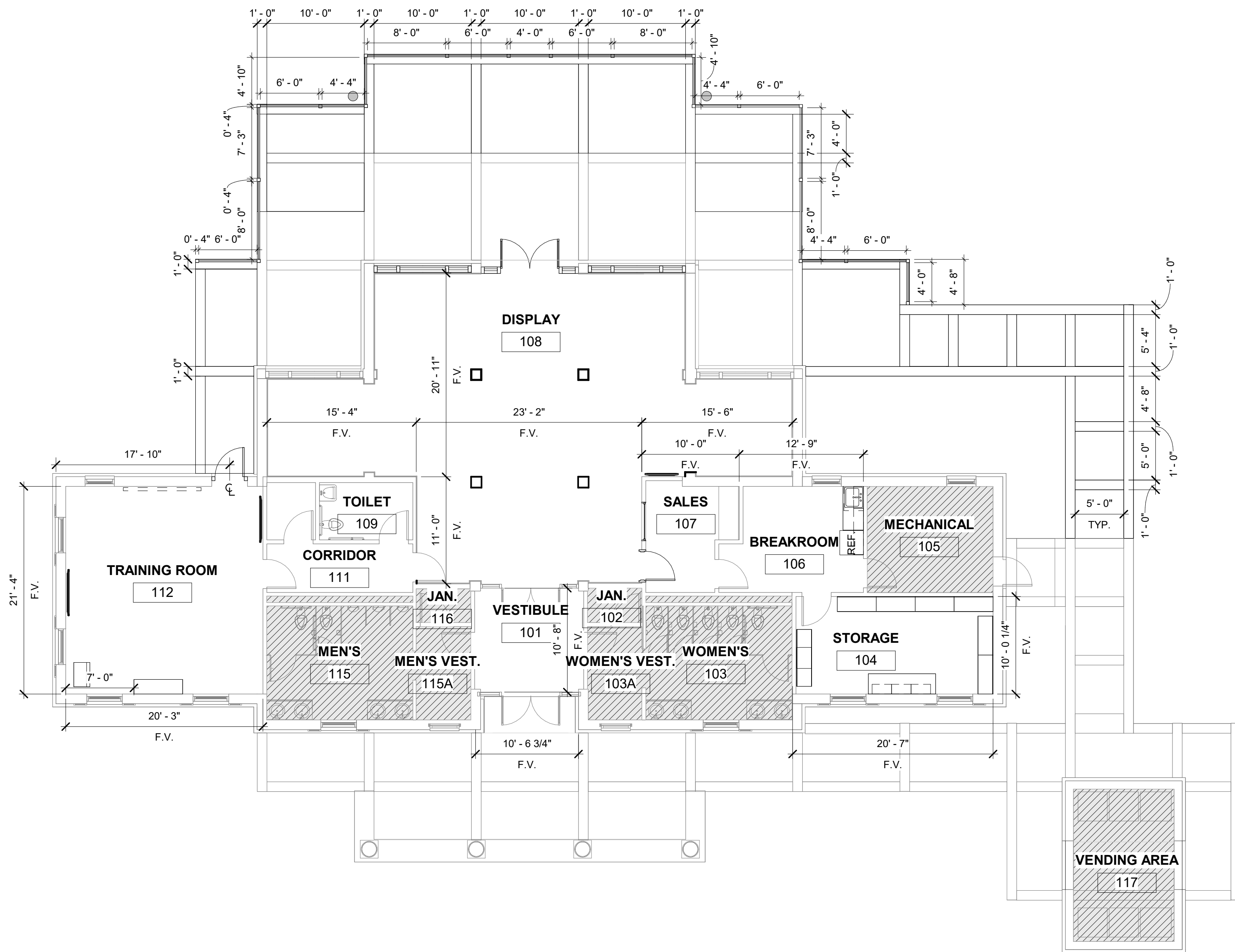
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**DIMENSION AND
REFLECTED
CEILING PLAN**

PROJECT NO. _____ 50180608

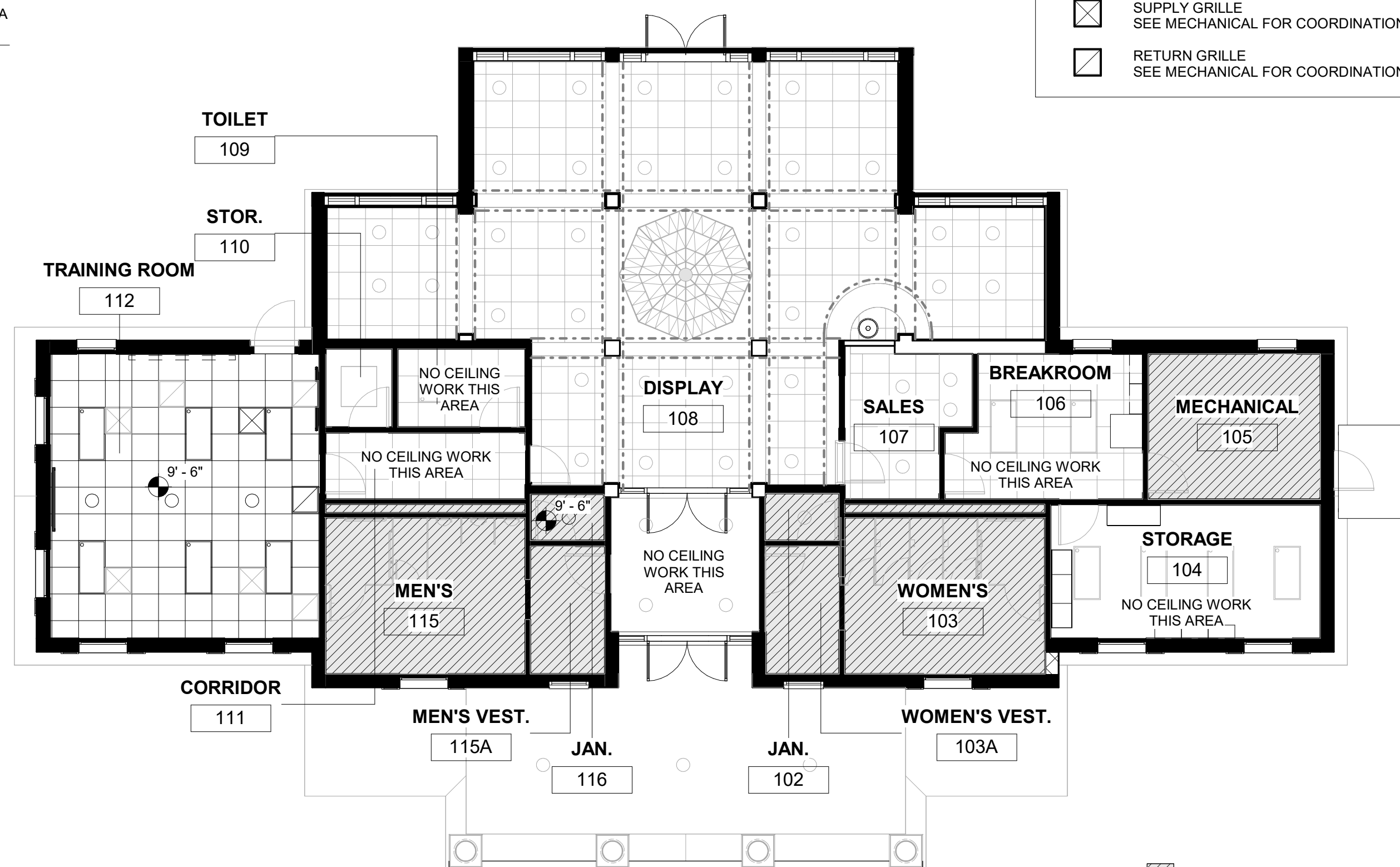
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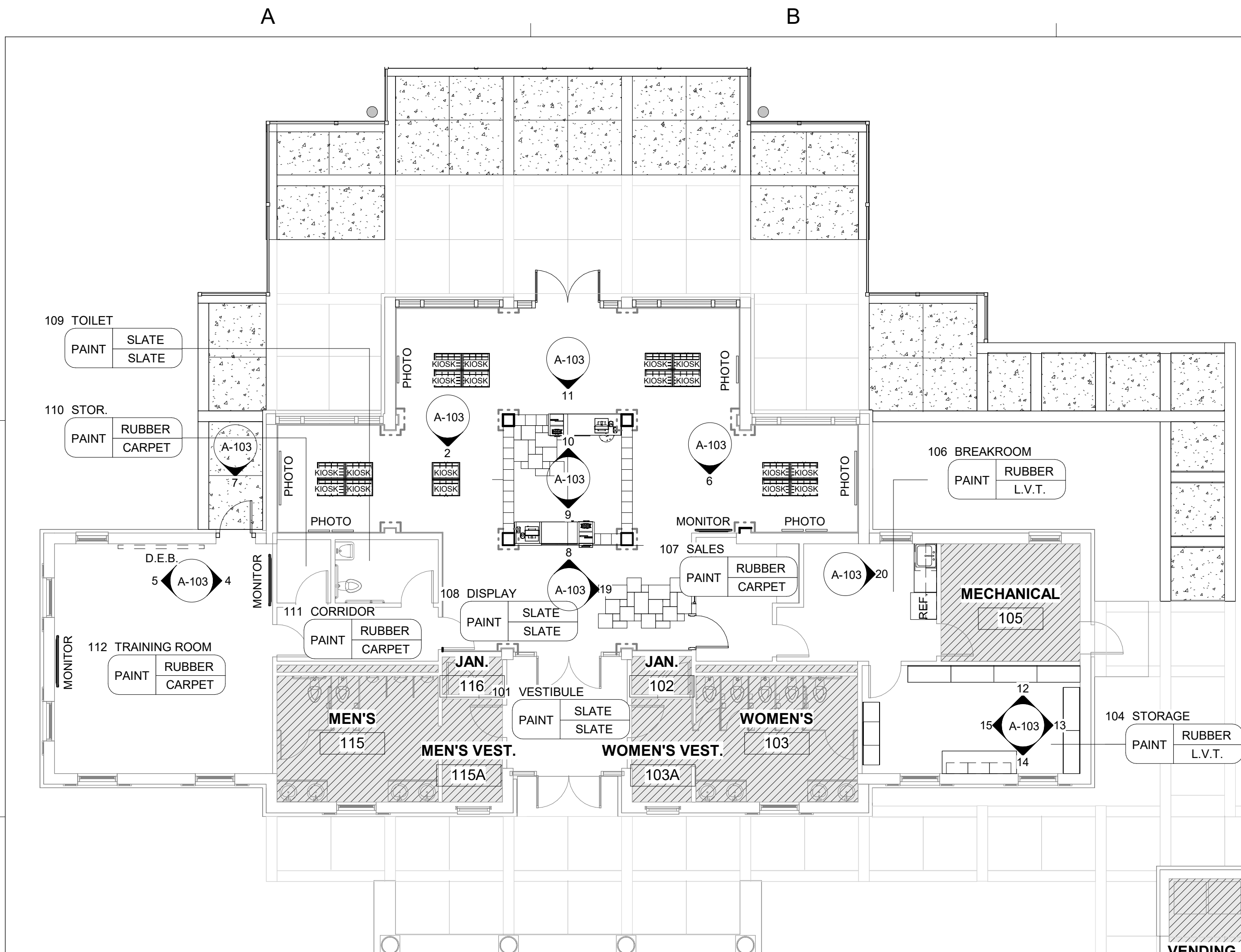
DIMENSION PLAN
1/8" = 1'-0"

NO WORK THIS AREA



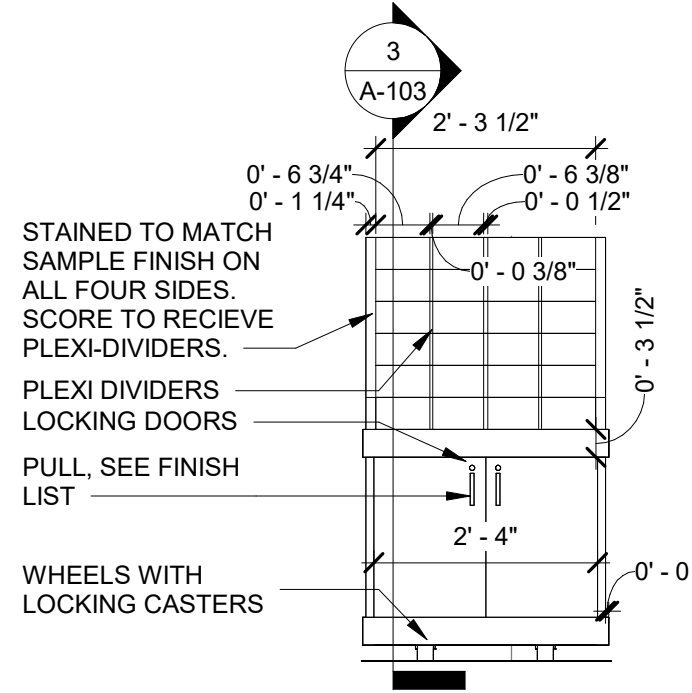
REFLECTED CEILING PLAN
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NO WORK THIS AREA

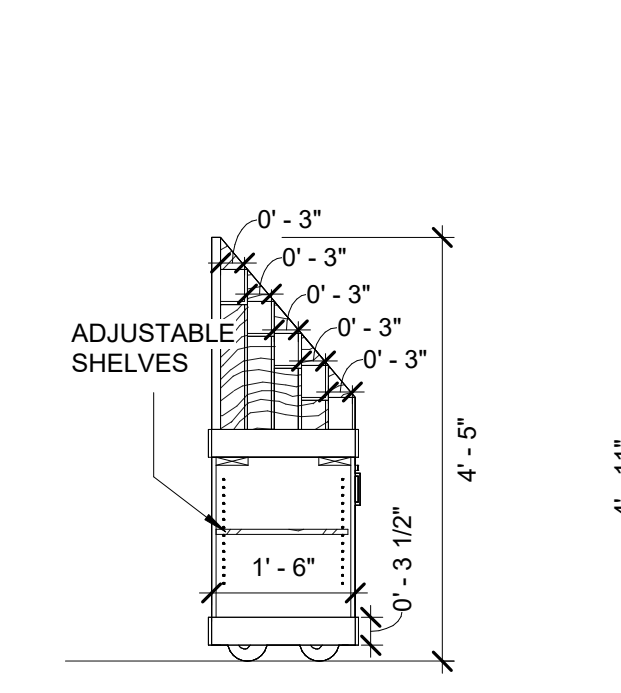


FINISH PLAN
1/8" = 1'-0"

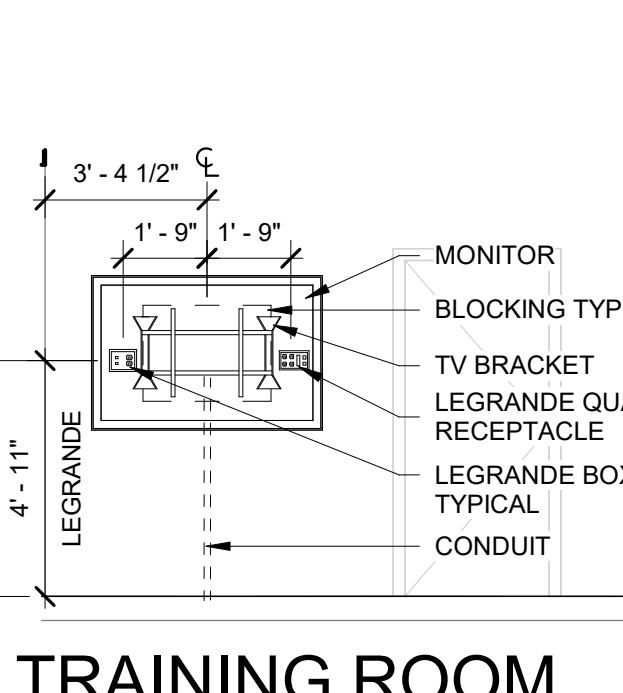
FINISH LIST			
PAINT: FIELD AND TRIM PAINT (FPT): MANUFACTURER: SHERWIN WILLIAMS COLOR: WORLDLY GRAY SW7043 ACCENT PAINT: COPPERWIRE SW7707 WAINSCOTTING: STAIN: TO MATCH EXISTING	FLOORING: GROUT: MANUFACTURER: LATICRETE COLOR: 60 DUSTY GREY SLATE: MANUFACTURER: DAL TILE STYLE: SLATE COLOR: S771 INDIAN MULTICOLOR THICKNESS: 1/2" SIZE: VERSAILLE	CARPET: MANUFACTURER: PATCRAFT COLLECTION: ARTEFACT COLOR: 00500 RENEWED ELEMENT INSTALLATION: SEE FINISH PLAN LVT: MANUFACTURER: SHAW CONTRACT COLLECTION: UNITE STYLE: INLET COLOR: BREW 26740	POS/KIOSK CABINETS: WOOD COLOR: MATCH EXISTING PANELS BREAKROOM LAMINATE CABINETS: MANUFACTURER: WILSON ART COLOR: WILLIAMSBURG CHERRY 7936K-07 COUNTERTOP: QUARTZ MANUFACTURER: WILSON ART COLOR: TELLARQ Q4025
CEILING: MANUFACTURER: USG SIZE: 2x2 COLOR: WHITE TYPE: MARS REGULAR	RUBBER BASE: (TRAINING ROOM) MANUFACTURER: ROPPE COLOR: 114 LUNAR DUST SIZE: 4" COVE	CASEWORK: MOSAIC GLASS TILE: FLORIDA TILE STYLE: BLISS COLOR: SMOKY MICA SIZE: 12"x12" SKU: FTINS31RSP58	PULL: MANUFACTURER: RICHELIEU MODEL NO: BP8675128158 FINISH: BRUSHED AURUM GOLD SIZE: 5 1/32" @ CASEWORK 3" @ KIOSK LAMINATE: MANUFACTURER: WILSONART COLOR: GREY ELM 8201K-12



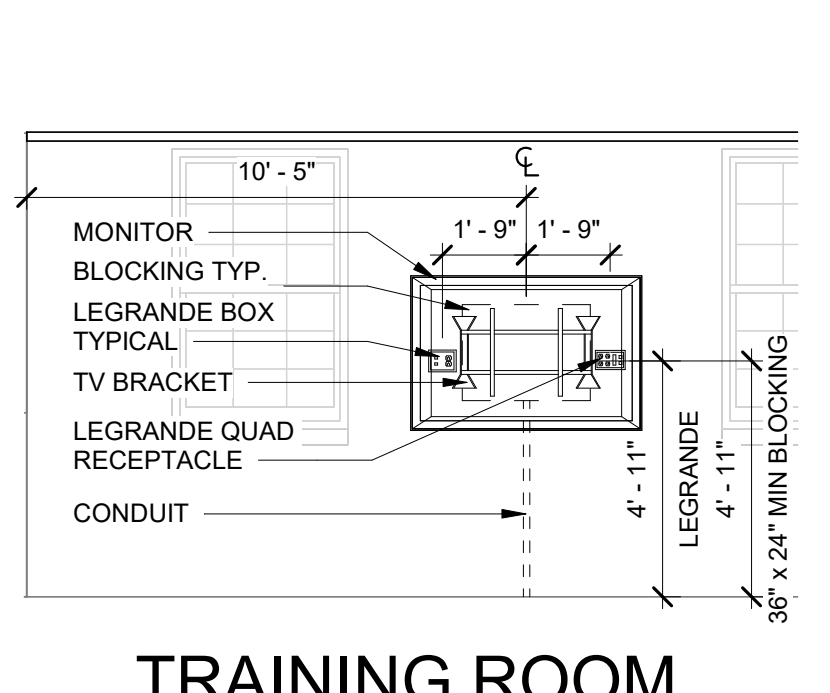
2 KIOSK ELEV.
Scale: 1/2" = 1'-0"



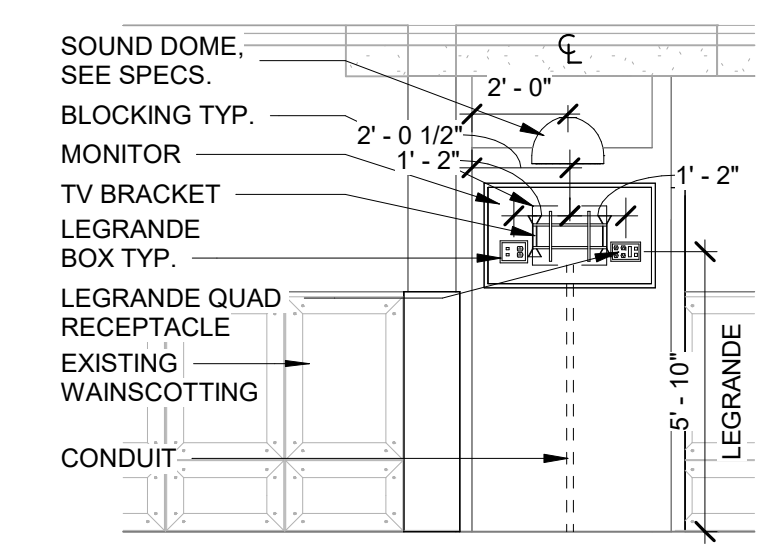
3 KIOSK SECTION
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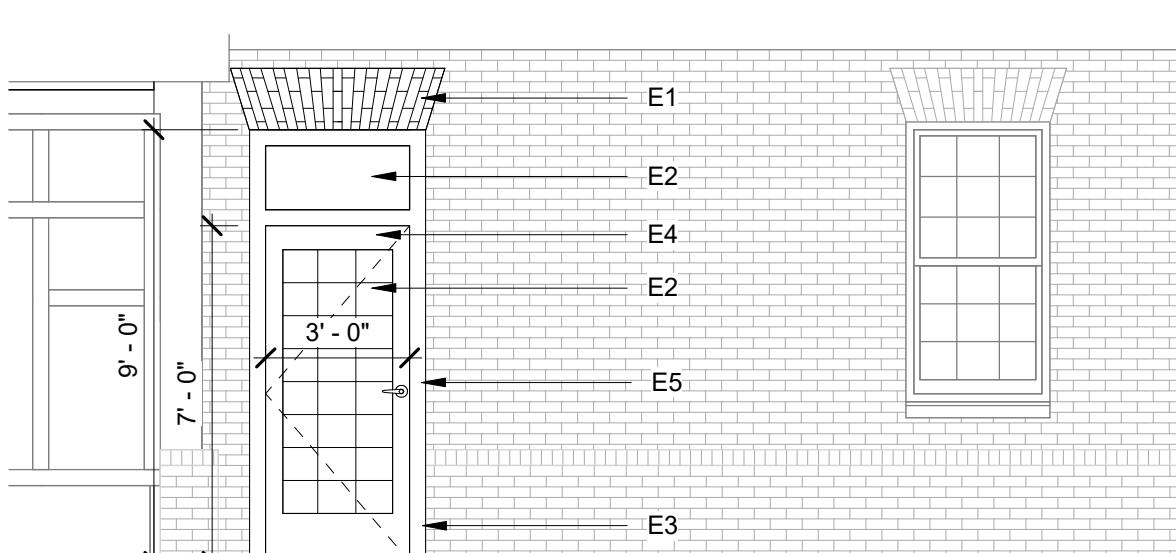
4 TRAINING ROOM MONITOR ELEV.
Scale: 1/4" = 1'-0"



5 TRAINING ROOM MONITOR ELEV.
Scale: 1/4" = 1'-0"

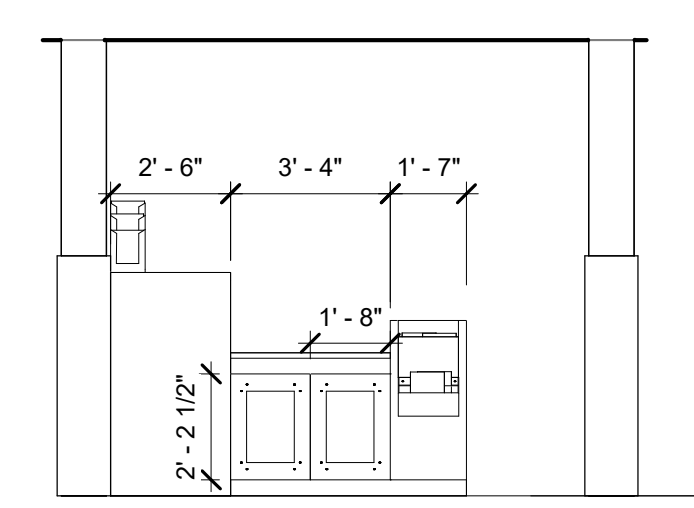


6 SOUND DOME & MONITOR ELEV.
Scale: 1/4" = 1'-0"

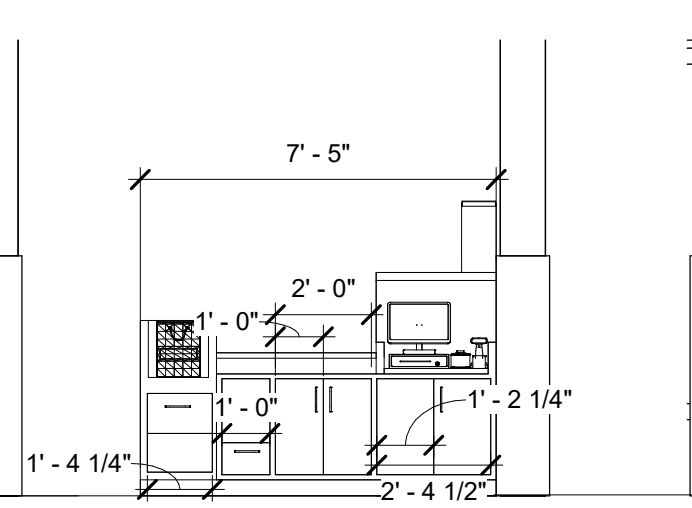


7 DOOR ELEVATION
Scale: 1/4" = 1'-0"

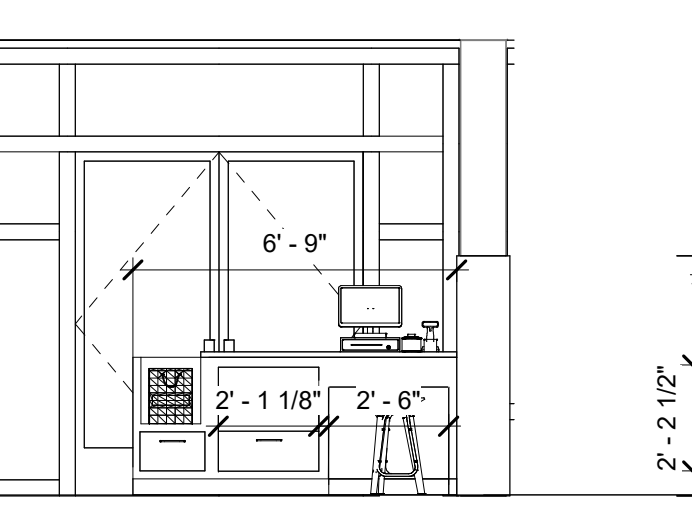
ELEVATION KEYED NOTES	
NOTE	DESCRIPTION
E1	JACK-ARCH TO MATCH EXISTING CONSTRUCTION.
E2	1" TINTED INSULATED GLAZING
E3	FRAMING PROFILE TO MATCH EXISTING PROFILE.
E4	DOOR TO BE FULL GLASS WITH INTERIOR MUNTINS. HARDWARE TO MATCH FRONT DOOR EXIT DEVICES & LEVER/LOCKSET, BRASS FINISH.
E5	MATCH EXISTING TRIM PROFILE ON NEW DOORS. PAINT.



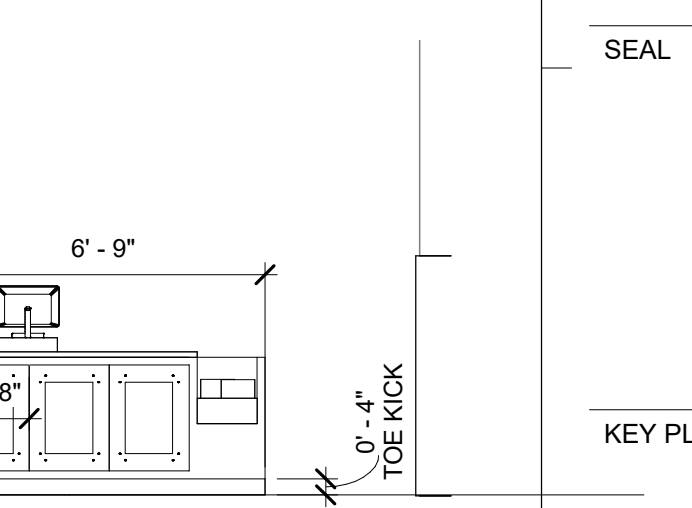
8 P.O.S. DESK 1.A
Scale: 1/4" = 1'-0"



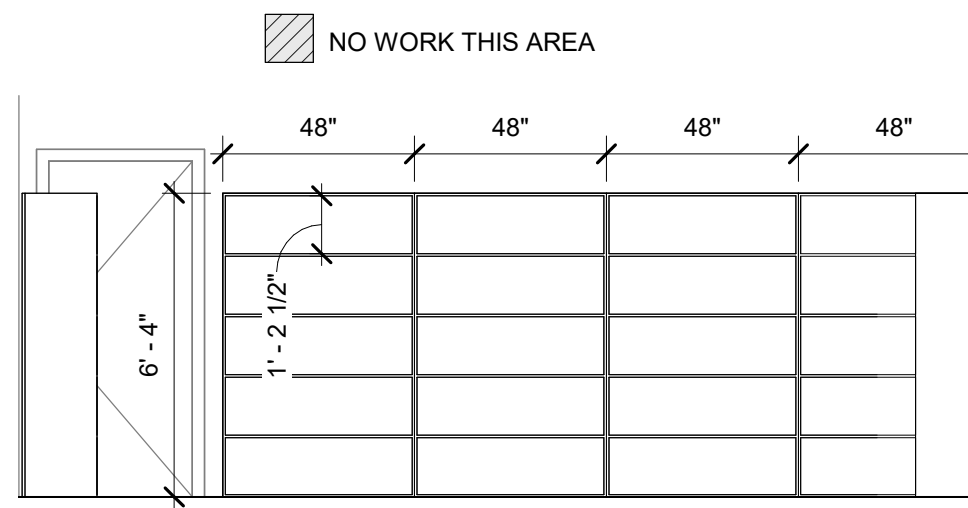
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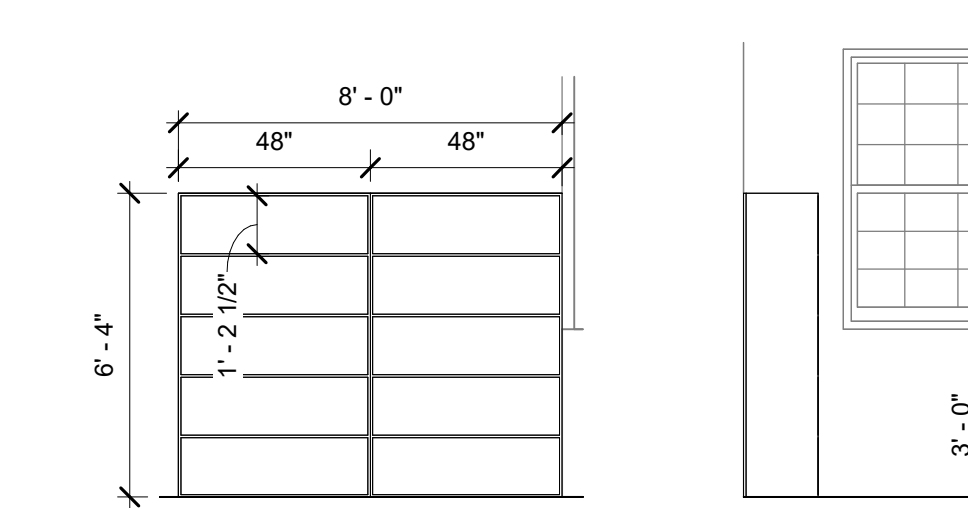
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Scale: 1/4" = 1'-0"



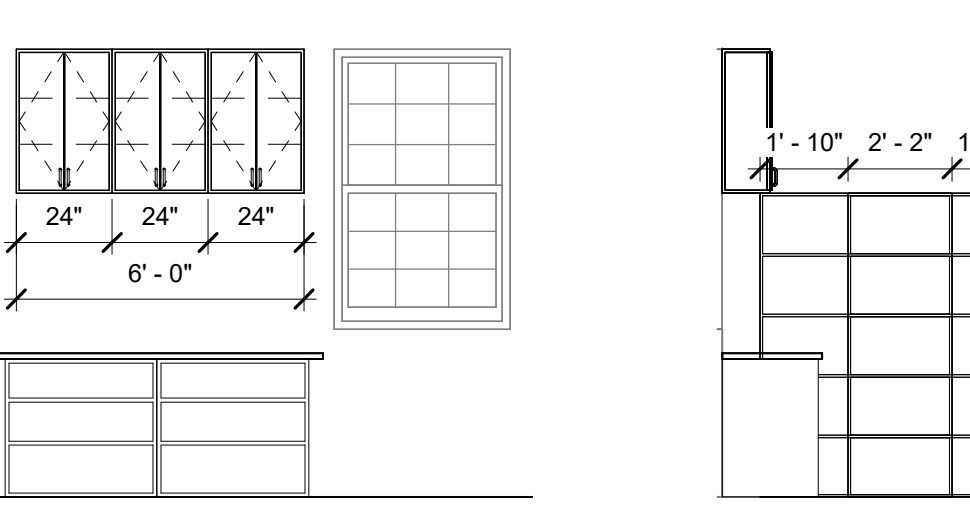
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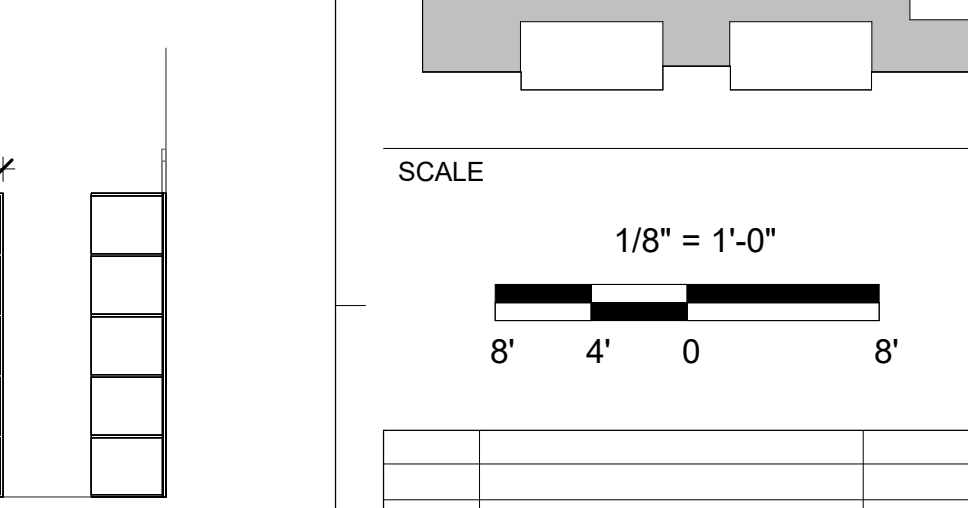
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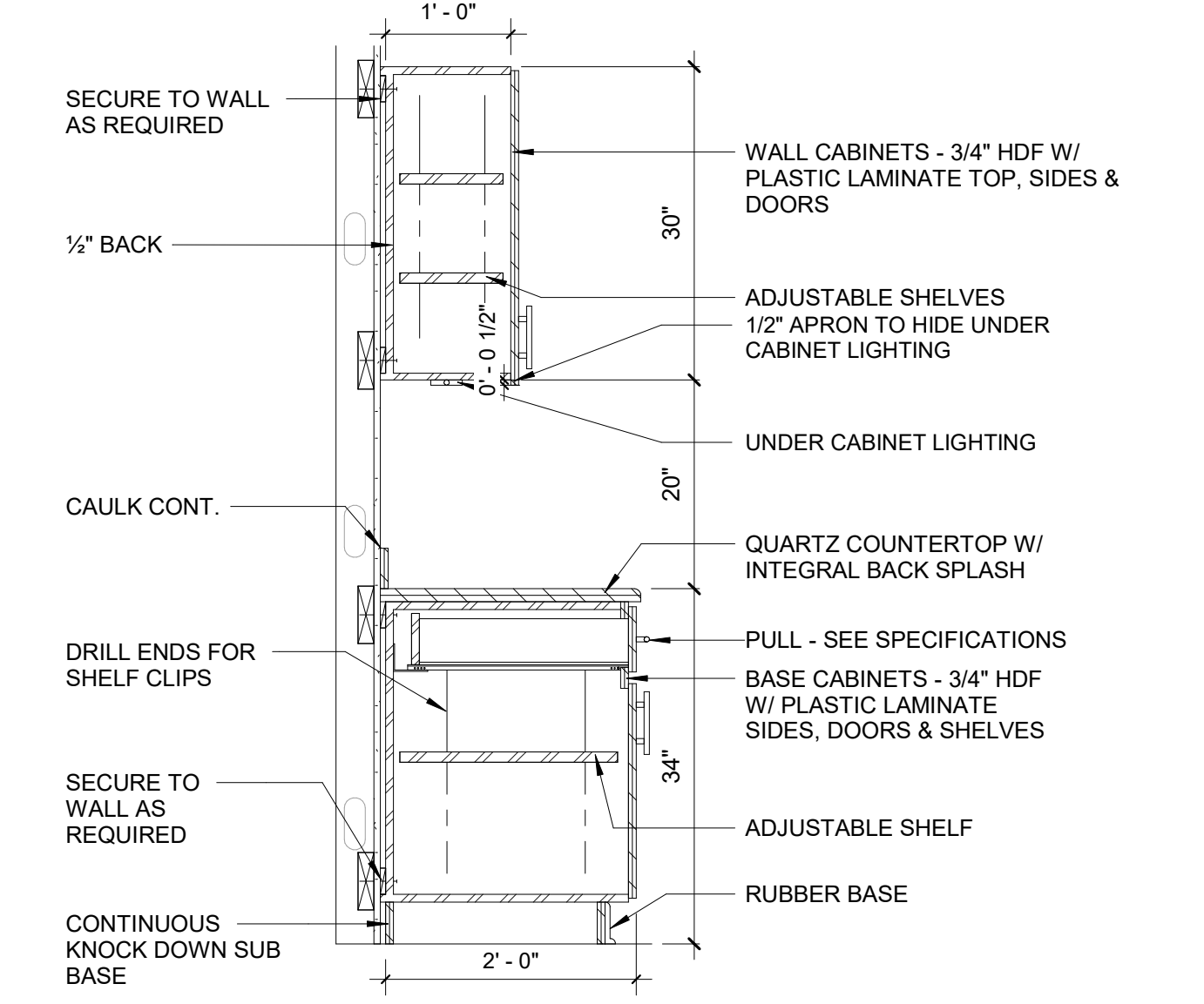
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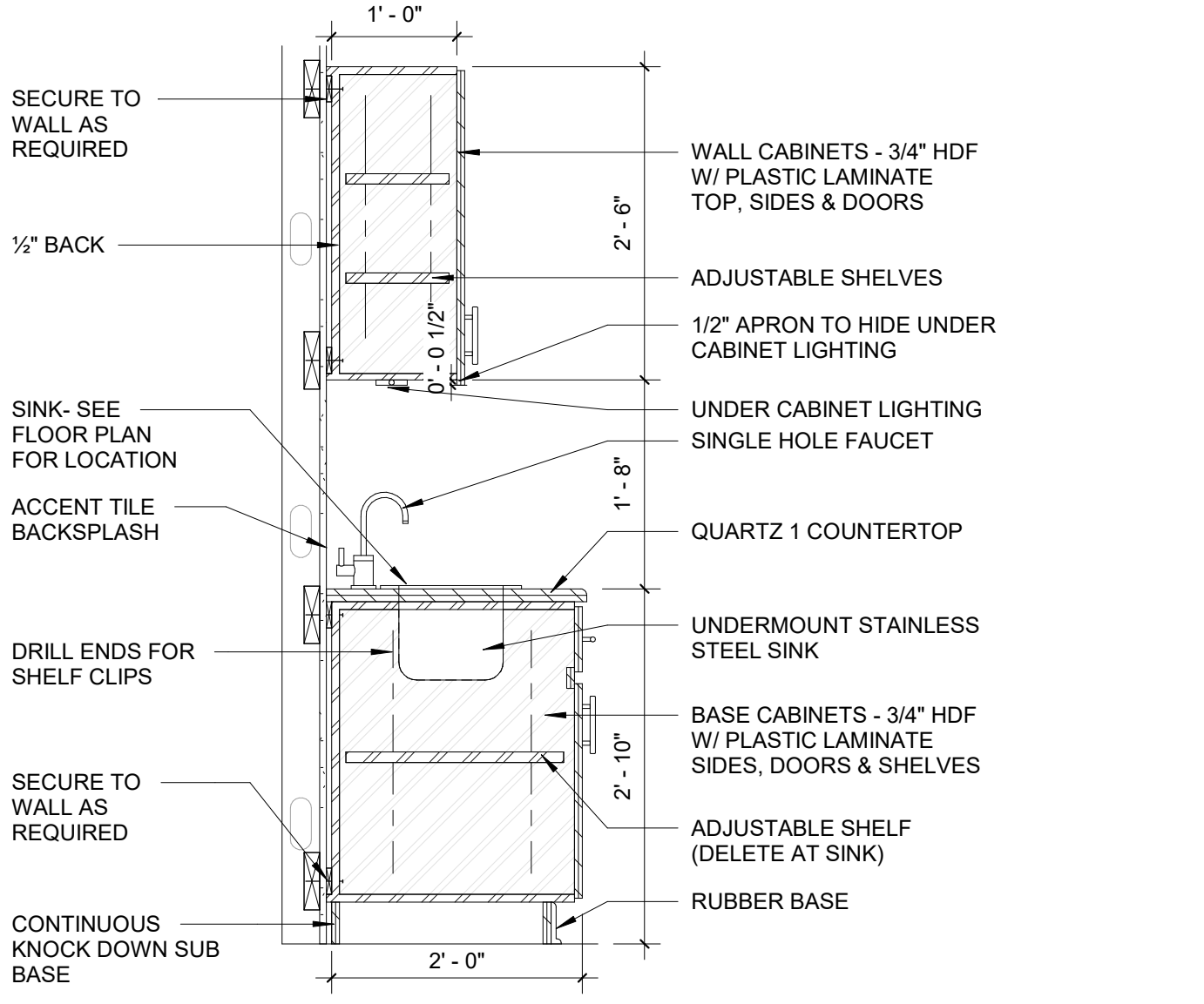
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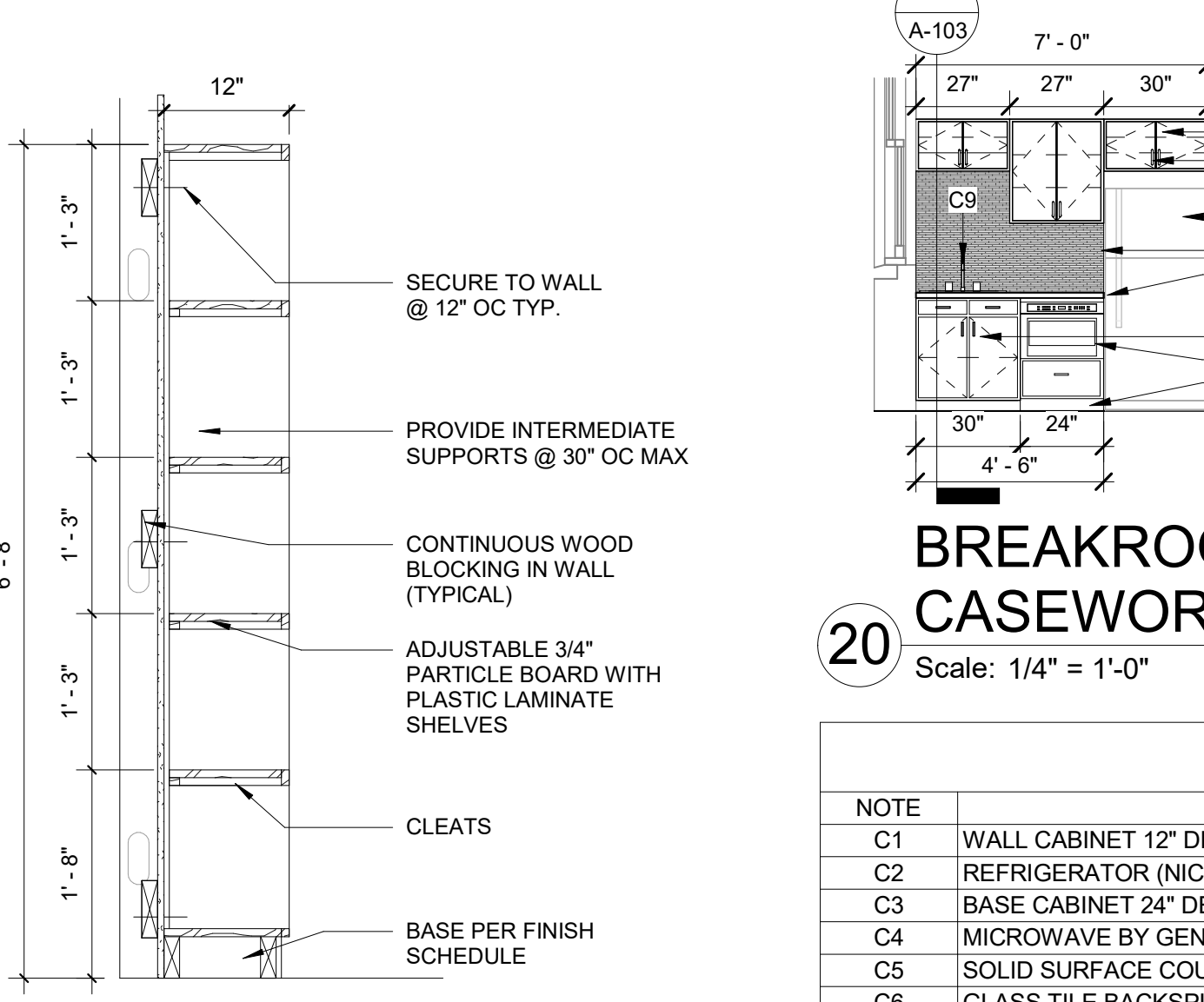
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Scale: 1/4" = 1'-0"



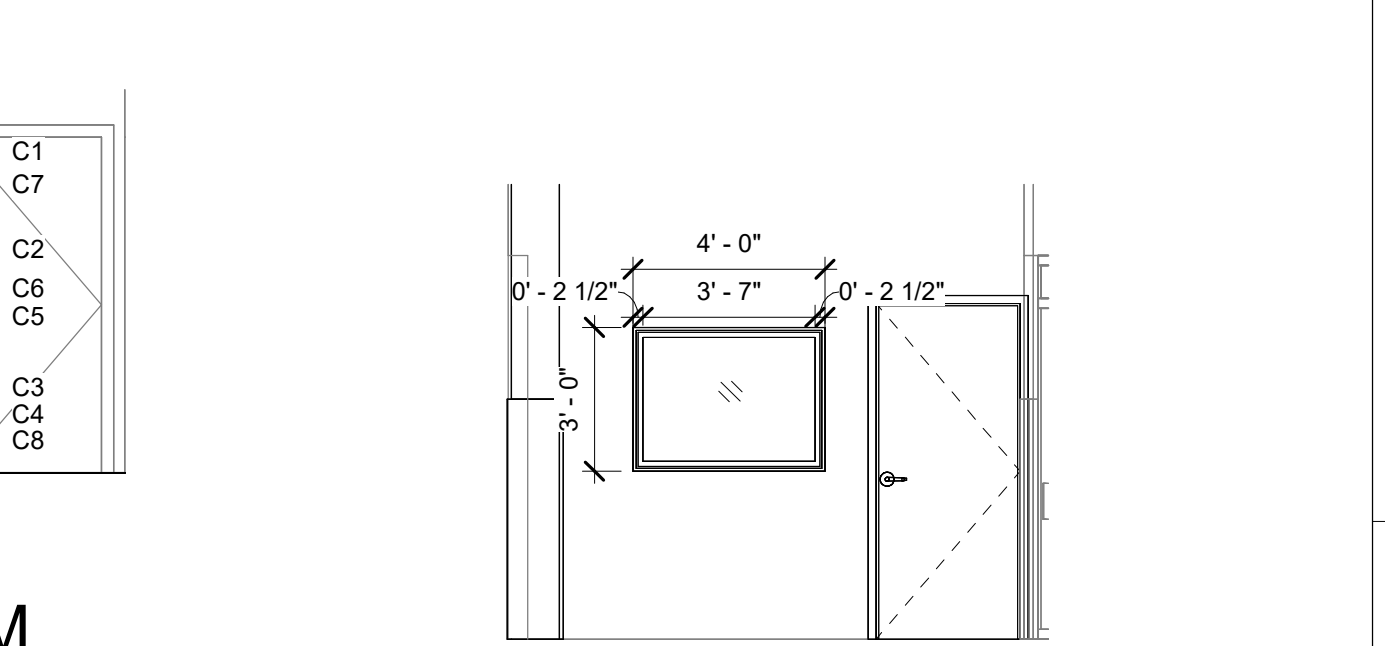
16 CASEWORK SECTION
Scale: 3/4" = 1'-0"



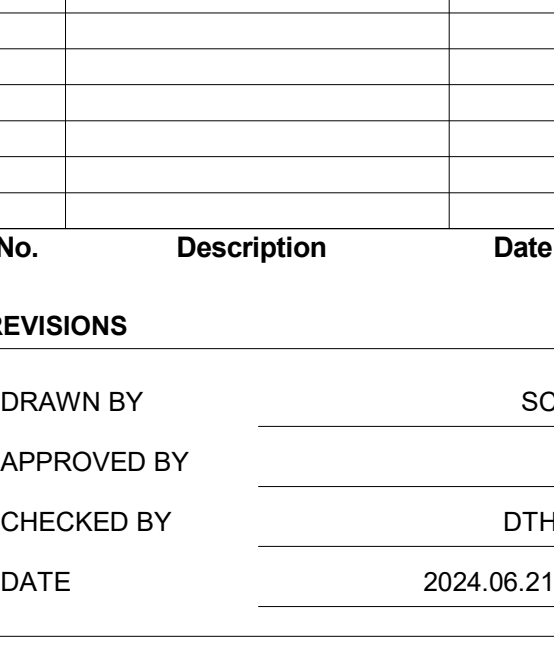
17 CASEWORK SECTION W SINK
Scale: 3/4" = 1'-0"



18 OPEN SHELVING SECTION
Scale: 3/4" = 1'-0"



20 BREAKROOM CASEWORK ELEV.
Scale: 1/4" = 1'-0"



19 INTERIOR WINDOW ELEV.
Scale: 1/4" = 1'-0"

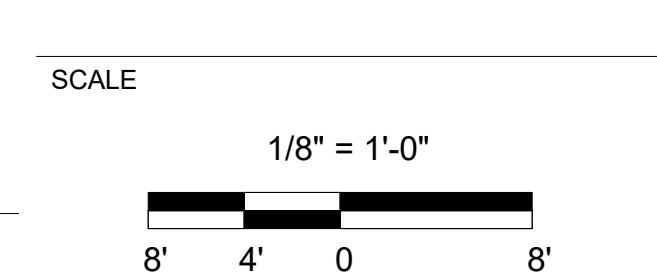
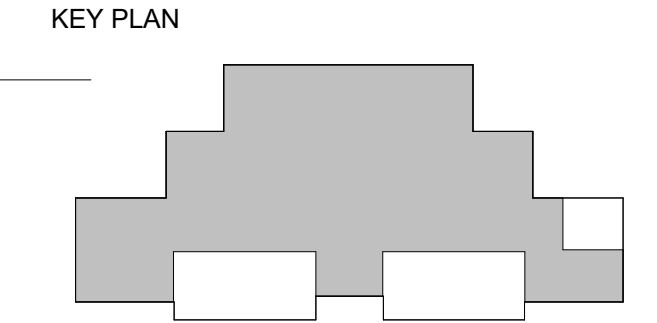
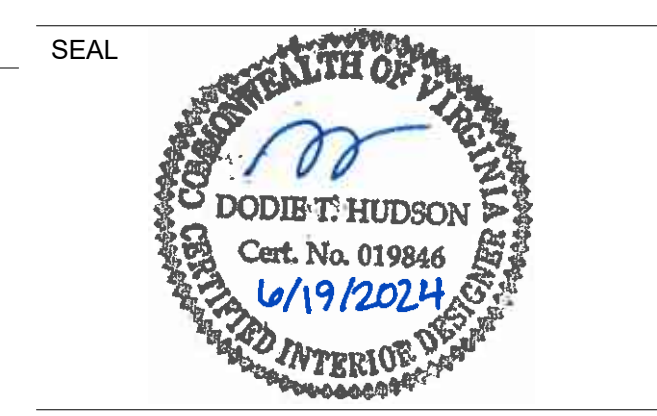
CASEWORK KEYED NOTES	
NOTE	DESCRIPTION
C1	WALL CABINET 12" DEEP, LAMINATED, WITH ADJUSTABLE SHELVES
C2	REFRIGERATOR (NIC)
C3	BASE CABINET 24" DEEP, LAMINATED, WITH ADJUSTABLE SHELF
C4	MICROWAVE BY GENERAL CONTRACTOR.
C5	SOLID SURFACE COUNTERTOP, 24" DEPTH
C6	GLASS TILE BACKSPLASH WITH SCHLUTER FINISH EDGE
C7	PULL TYPICAL, SEE FINISH LIST.
C8	4" TOE KICK
C9	STAINLESS STEEL SINK W/ ONE HOLE FAUCET. FAUCET: SEE PLUMBING.

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MASTER
ENGINEERS & DESIGNERS
MEAD Project Number: 655-023

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CITY OF DANVILLE
DANVILLE WELCOME CENTER RENOVATIONS
645 River Park Drive
Danville, V.A. 24540
BID & PERMITTING SET



No.	Description	Date

REVISIONS
DRAWN BY: SC
APPROVED BY: DTH
CHECKED BY: DTH
DATE: 2024.06.21

TITLE
FINISH/FURNITURE PLAN AND ELEVATIONS

PROJECT NO. 50180608

A-103
SHEET NO.

A

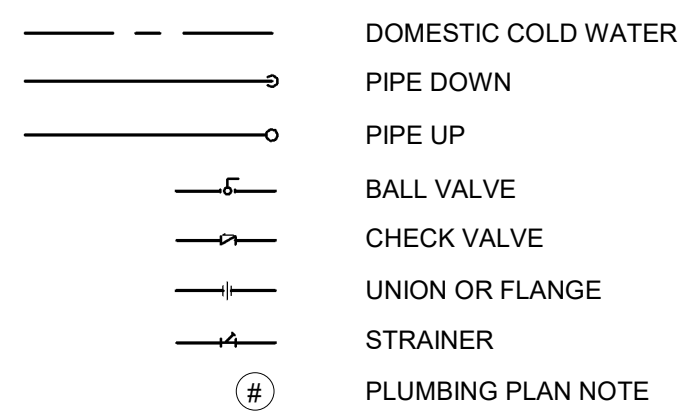
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C

D

E

LEGEND



ABBREVIATIONS

ABV	ABOVE
ASJ	ALL SERVICE JACKET
CW	DOMESTIC COLD WATER
HW	DOMESTIC HOT WATER
DN	DOWN
FSK	FOIL SCRIM KRAFT
GA	GAUGE
MFR	MANUFACTURER
NTS	NOT TO SCALE
SAN	SANITARY
V	VENT
W/	WITH

SPECIFICATIONS

- 1.0 GENERAL
- 1.01 THE CONTRACT DOCUMENTS APPLY TO THESE SPECIFICATIONS.
- 1.02 PROVIDE ALL NECESSARY LABOR AND MATERIALS FOR THE WORK SHOWN ON THE DRAWINGS, WHICH INCLUDES INSTALLATION OF ALL PLUMBING PIPING AND FIXTURES.
- 1.03 WORK SHALL MEET REQUIREMENTS OF LOCAL BUILDING CODES AND ORDINANCES, APPLICABLE REQUIREMENTS OF THE VUSBC, NFPA, AND REQUIREMENTS OF LOCAL PLUMBING CODE.
- 1.04 SUBMIT SHOP DRAWINGS FOR THE FOLLOWING:
 - A. PLUMBING FIXTURES & EQUIPMENT
 - B. INSULATION
 - 1.05 PLACING IN SERVICE:
 - A. BEFORE BEING PLACED INTO OPERATION, ALL EQUIPMENT REQUIRING PREOPERATIONAL ATTENTION SHALL BE SERVICED IN ACCORDANCE WITH THE REQUIREMENTS OF THESE SPECIFICATIONS AND THE MANUFACTURER'S RECOMMENDATIONS.
- 2.0 PRODUCTS
 - 2.01 PIPE AND PIPE FITTINGS
 - A. COPPER TUBE TYPE L: ANSII/ASTM B88.
 - B. PVC PIPE: SCH. 40, GRADE PVC 2116: ASTM D1785 AND ASTM D2241. CELLULAR CORE PVC SHALL NOT BE ALLOWED.
 - C. ABS PIPE: SCH. 40 ASTM D1527.
 - 2.02 PIPING SYSTEM SHALL BE SUPPORTED IN ACCORDANCE WITH ANSI B31.1 AND APPLICABLE MANUFACTURERS STANDARDIZATION SOCIETY (MSS) STANDARDS "POWER PIPING" SO AS TO MAINTAIN REQUIRED PITCH OF LINES, PREVENT VIBRATION AND PROVIDE FOR EXPANSION AND CONTRACTION MOVEMENT.

2.03 PIPING SCHEDULE

SERVICE	SIZE	PIPE TYPE	FITTING TYPE	VALVE TYPE	MFG. NO. & NOTES
DOMESTIC COLD WATER SUPPLY	2-1/2" & SMALLER	TYPE L COPPER HARD DRAWN	WROUGHT COPPER NO LEAD SOLDER	BALL	1, 2
DOMESTIC COLD WATER SUPPLY BELOW GROUND	ALL SIZES	SCHEDULE 40 ABS	SOCKET OR THREADED ASTM 2468	GATE	
SOIL, WASTE & VENT BELOW GROUND	2" & LARGER	SCHEDULE 40 PVC	SOLVENT WELDED		N/A
SOIL, WASTE & VENT ABOVE GROUND	1-1/2" & LARGER	SCHEDULE 40 PVC	SOLVENT WELDED		

- NOTES:
- SERIES 82LF BRONZE APOLLO 3 BY CONBRACO.
 - REFER TO INSULATION SPECIFICATION FOR FINISH.

2.05 INSULATION SCHEDULE

SERVICE	TYPE INSULATION	THICKNESS (IN.)	FINISH IN CONCEALED AREAS	FINISH IN EXPOSED AREAS	NOTES
(1) PIPING					
DOMESTIC COLD WATER	GLASS FIBER	1.0	INTEGRAL FIRE RETARDANT VAPOR BARRIER ASJ		1
EXPOSED DOMESTIC WATER & SANITARY BELOW LAVATORY					2

- NOTES:
- APPLY FLEXIBLE GLASS FIBER INSULATION IN CONCEALED AREAS ONLY.
 - TRAP AND SUPPLY INSULATION KIT - TRUEBRO MODEL E-2.

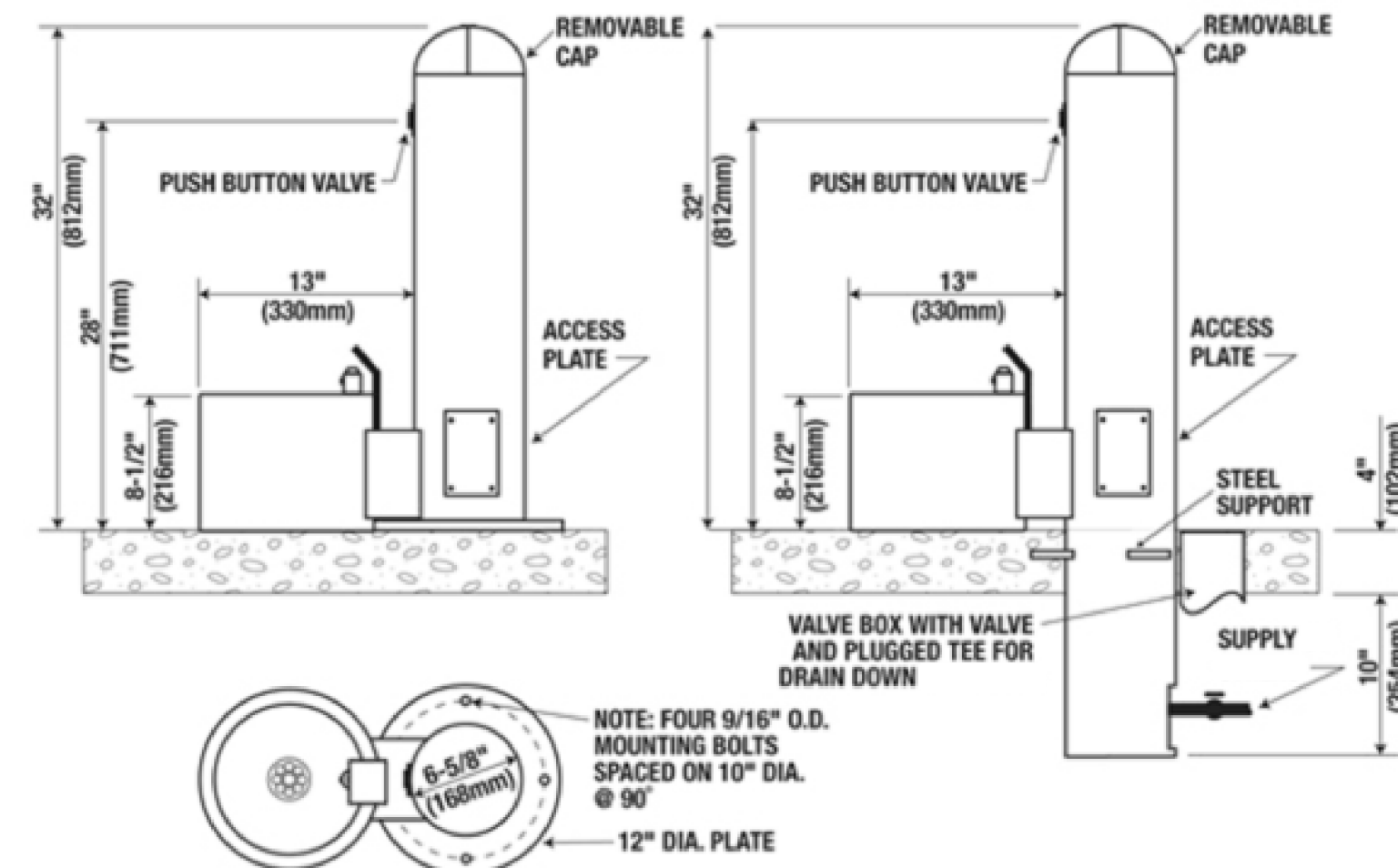
3.0 EXECUTION

- 3.01 SUBJECT ALL DOMESTIC WATER PIPING SYSTEMS TO A HYDROSTATIC PRESSURE TEST AT 1-1/2 TIMES OPERATING PRESSURE OR 100 PSIG, WHICHEVER IS GREATER, MEASURED AT THE LOWEST POINT IN THE SYSTEM FOR A PERIOD OF FOUR HOURS.
- 3.02 PLUMBING DRAINAGE AND VENT SYSTEMS INSIDE AND OUTSIDE THE BUILDING SHALL BE WATER TESTED UPON COMPLETION OF THE ROUGH PIPING INSTALLATION AND PROVED WATERTIGHT.
- 3.03 INSTALL ISOLATION VALVES IN HOT AND COLD PIPING AT EACH BRANCH CONTAINING PLUMBING FIXTURES AND AT LOCATIONS TO ISOLATE MAIN SECTIONS OF THE BUILDING.



DETAIL NOTES

- PROVIDE SHUTOFF VALVE FOR CW CONNECTION BELOW GRADE. IF WATER PRESSURE EXCEEDS 80 PSI, INSTALL PRESSURE REDUCING REGULATOR.
- WASTE PIPE AND TRAP TO BE ROUTED FROM VALVE BOX BELOW GRADE. SLOPE PIPE TO 24-36" DEEP TO PEA GRAVEL PIT, ABIDING BY STATE AND LOCAL CODE.

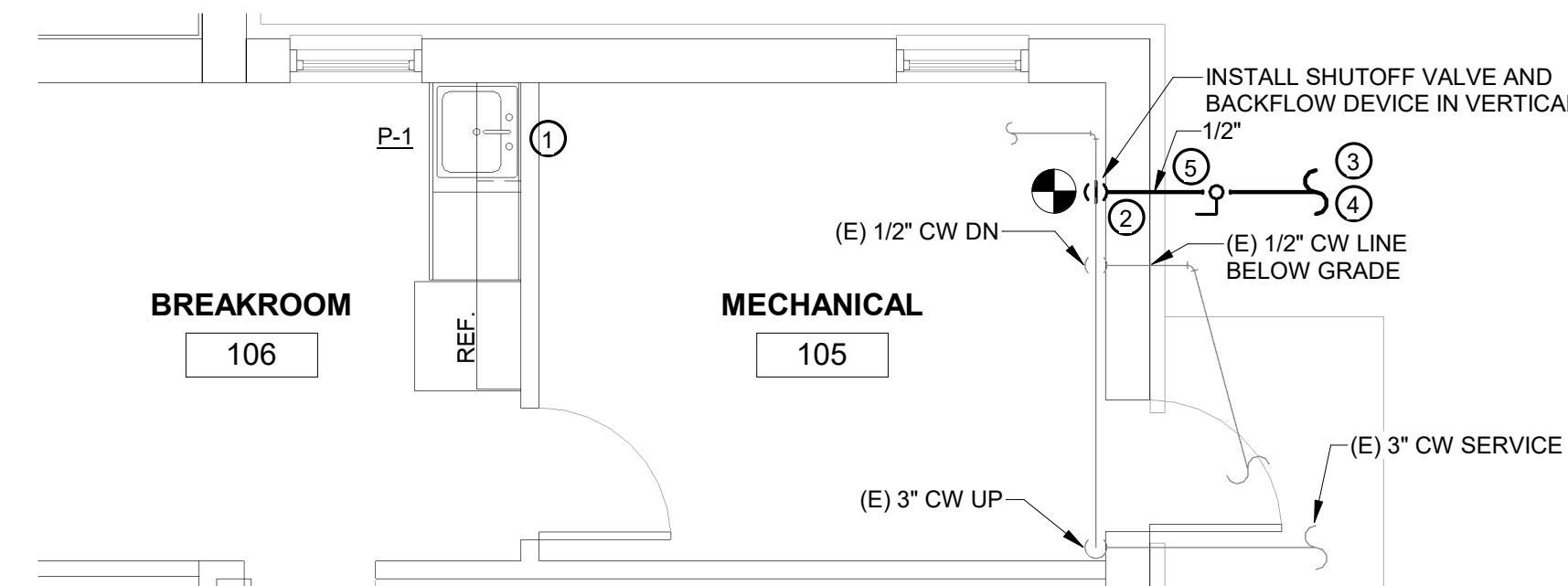


DOG FOUNTAIN DETAIL

NOT TO SCALE

PLAN NOTES

- REPLACE (E) KITCHEN SINK IN BREAK ROOM. CONNECT NEW KITCHEN SINK TO (E) CW, (E) HW AND (E) SAN. & V. PIPING. VERIFY PIPE SIZES WITH PLUMBING FIXTURE SCHEDULE.
- TEE OFF 1/2" CW LINE FROM (E) 3" CW LINE. ROUTE PIPE IN VERTICAL TO BELOW GRADE.
- 1/2" CW LINE SHALL RUN BELOW GRADE TO DOG FOUNTAIN LOCATED ACROSS THE PARKING LOT. INSTALL SHUTOFF VALVE AT DOG FOUNTAIN. CUT UP PAVEMENT IN PARKING LOT AND CUT UP GROUND AS NEEDED TO PROPERLY INSTALL PIPING TO DOG FOUNTAIN. ENSURE LOCAL AND STATE CODES ARE FOLLOWED IN INSTALLATION OF CW PIPING BELOW GRADE. SEE ARCHITECTURAL PLANS FOR LOCATION OF DOG FOUNTAIN ON SITE AND ANY FURTHER DIRECTIONAL INSTRUCTIONS ON HOW TO PROVIDE PIPING TO DOG FOUNTAIN.
- SEE DOG FOUNTAIN DETAIL ON THIS SHEET FOR INFORMATION ON CW CONNECTION, DRAIN PIPE CONNECTION AND DIMENSIONS.
- TRANSITION FROM COPPER TO ABS PRIOR TO EXITING BUILDING AT THE PIPE PENETRATION. PROVIDE TRACER WIRE FOR LINE IDENTIFICATION.



PLUMBING NEW WORK PLAN

1/4" = 1'-0"

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	MANUFACTURER & MODEL	SIZE	SUPPLY FITTINGS & STOPS	TRAP	CARRIER	REMARKS & ACCESSORIES	WASTE	HOT	COLD
P-1	KITCHEN SINK	ELKAY ELUHAD211550PD	23 1/2" X 18 1/2"	3/8" ANGLE STOPS	1 1/2" 17 GA P-TRAP	UNDER COUNTER MOUNTED	FAUCET: SYMMONS MODEL SK230BBZPD WITH BRASS COLOR OPTION AND SINGLE-HOLE MOUNT CONFIGURATION DRAINS AND STRAINERS: ELKAY LKPD1	1 1/2"	1/2"	1/2"



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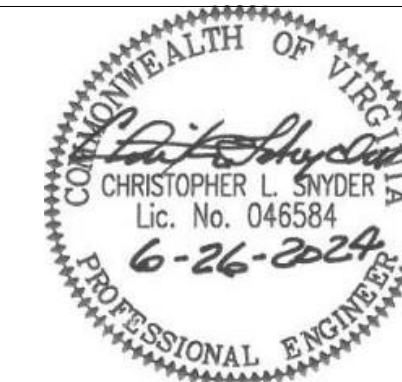
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CITY OF DANVILLE
DANVILLE WELCOME CENTER

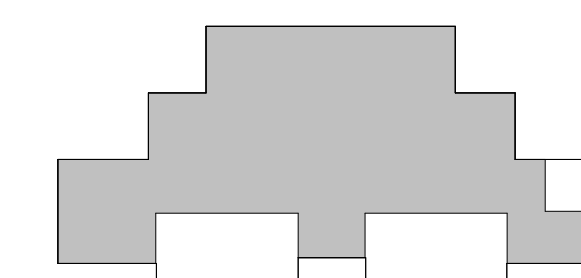
645 River Park Drive
Danville, V.A. 24540

PRELIMINARY

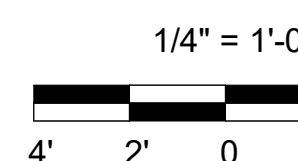
SEAL



KEY PLAN



SCALE



No.	Description	Date

REVISIONS

DRAWN BY	ETO
APPROVED BY	ETO
CHECKED BY	CLS
DATE	2024.06.26

TITLE

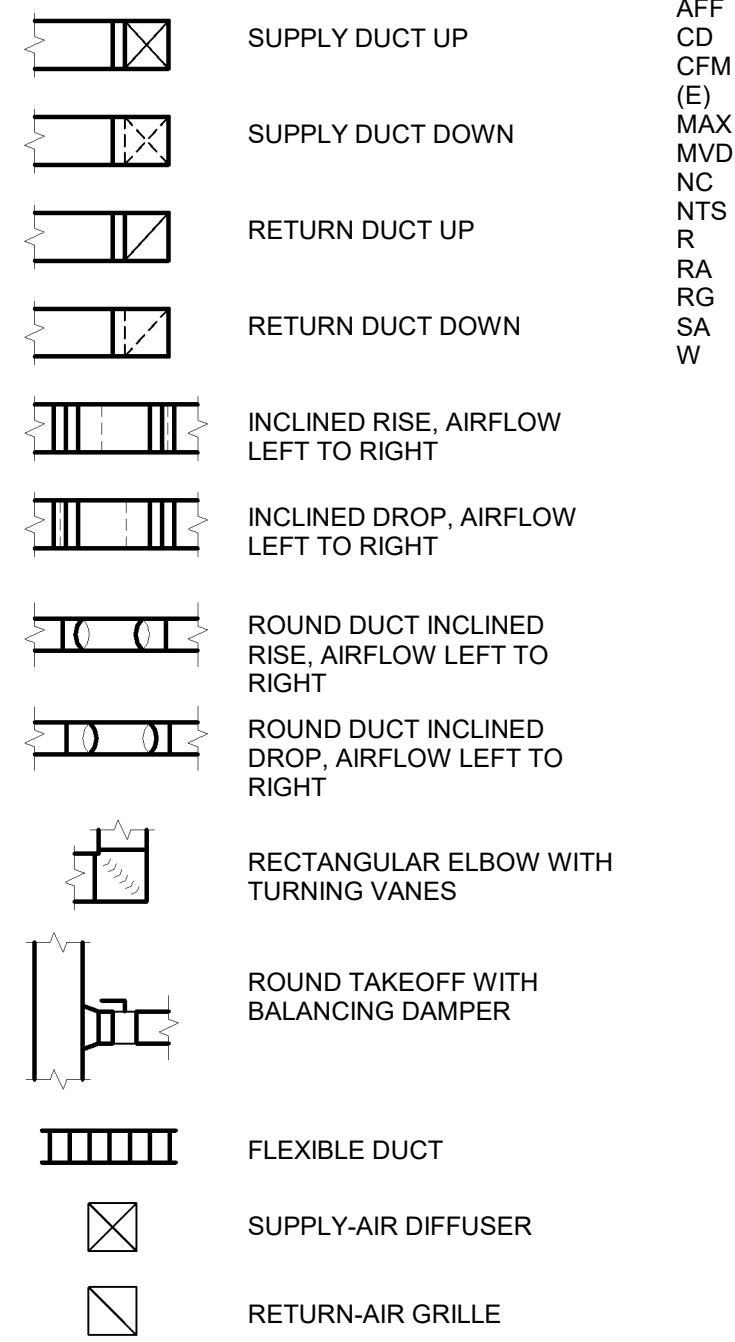
DANVILLE WELCOME CENTER
PLUMBING PLAN

PROJECT NO. 50180608

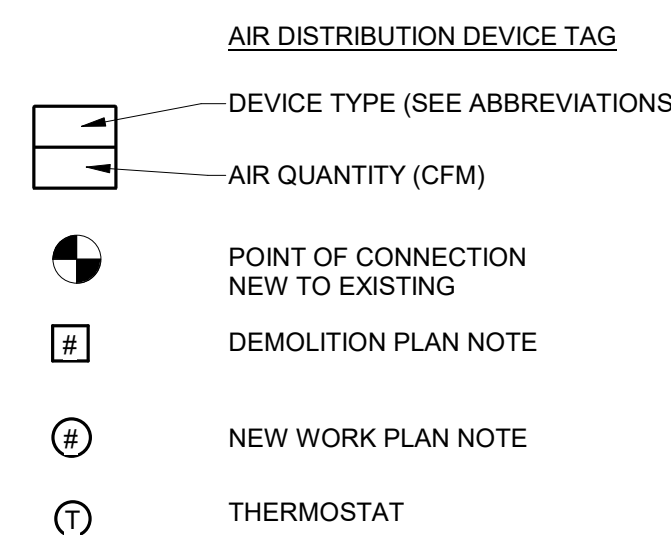
P-100

SHEET NO.

LEGEND



HVAC SYMBOLS



ABBREVIATIONS

AFF ABOVE FINISHED FLOOR
 CD CEILING DIFFUSER
 CFM CUBIC FEET PER MINUTE
 (E) EXISTING
 MAX MAXIMUM
 MVD MANUAL VOLUME DAMPER
 NC NOISE CRITERION
 NTS NOT TO SCALE
 R RADIUS
 RA RETURN AIR
 RG RETURN GRILLE
 SA SUPPLY AIR
 W WIDTH

GENERAL NOTES

- WHERE DUCTWORK, OR ANY OTHER MECHANICAL EQUIPMENT IS INSTALLED ABOVE THE CEILING STRUCTURE, SUFFICIENT CLEARANCE SHALL BE PROVIDED BELOW ALL LOW POINTS OF THIS EQUIPMENT FOR THE INSTALLATION OF THE FINISHED CEILING AND ITS STRUCTURE AND ALL CEILING-MOUNTED EQUIPMENT INCLUDING CEILING-MOUNTED MECHANICAL EQUIPMENT, LIGHT FIXTURES, PLUMBING LINES, SPRINKLER HEADS, ETC. CLEARANCES REQUIRED FOR THE INSTALLATION OF THIS CEILING-MOUNTED EQUIPMENT SHALL BE VERIFIED AND COORDINATED WITH THE GENERAL CONTRACTOR AND ALL INVOLVED SUBCONTRACTORS BEFORE INSTALLING THE MECHANICAL EQUIPMENT.
- WHERE SPACE IS LIMITED, SUCH AS IN THE FURRED CEILING SPACES AND CHASES, ROUTES AND CLEARANCES AND INSTALLATION PROCEDURES FOR DUCTWORK AND OTHER MECHANICAL EQUIPMENT SHALL BE VERIFIED AND COORDINATED WITH OTHER WORK BEFORE EQUIPMENT IS INSTALLED.
- ALL STRUCTURAL STEEL AND OTHER MATERIALS REQUIRED FOR OVERHEAD-SUSPENDED MECHANICAL EQUIPMENT SHALL BE PROVIDED BY MECHANICAL CONTRACTOR UNLESS DETAILED ON STRUCTURAL DRAWINGS. ALL NECESSARY REINFORCING IN BUILDING STRUCTURE SHALL BE PROVIDED BY GENERAL CONTRACTOR.
- GRILLE AND OTHER EQUIPMENT MOUNTING HEIGHTS WHERE SHOWN ON DRAWINGS ARE MEASURED FROM FINISHED FLOOR TO BOTTOM EDGE OF OPENING UNLESS OTHERWISE INDICATED.
- MOUNT WALL SENSORS WITH SETPOINT ADJUSTMENT 5'-0" ABOVE FINISHED FLOOR.
- IF ANY EQUIPMENT OTHER THAN THAT SHOWN OR SPECIFIED IS FURNISHED, THE CONTRACTOR SHALL VERIFY THAT THE EQUIPMENT CAN BE INSTALLED IN THE SPACE AVAILABLE, INCLUDING PASSAGE THROUGH DOORS AND ACCESS DOORS AND ACCESS TO THOSE PARTS OF THE EQUIPMENT REQUIRING SERVICE.
- OPEN ENDS OF ALL RETURN AND EXHAUST DUCTS IN THE FURRED SPACE ABOVE THE CEILING SHALL BE COVERED WITH 1/2" MESH G.I. SECURELY ATTACHED TO THE DUCTS.
- ALL DUCTWORK SHALL BE LOCATED ABOVE NEW OR EXISTING CEILING UNLESS NOTED OTHERWISE.
- MAXIMUM LENGTH OF FLEXIBLE DUCTS SHALL BE 5 FEET.
- OFFSET DUCTS WHERE NECESSARY TO CLEAR OTHER WORK SUCH AS BEAMS, PIPES, ELECTRICAL EQUIPMENT, ETC., COORDINATE DUCTWORK INSTALLATION WITH OTHER TRADES TO AVOID SPACE CONFLICTS.
- ALL CEILING-MOUNTED DIFFUSERS AND GRILLES IN FURRED CEILING SHALL BE SYMMETRICALLY LOCATED WITH RESPECT TO LIGHTING FIXTURES. DO NOT SCALE DRAWINGS FOR LOCATIONS. COORDINATE EXACT LOCATIONS WITH ELECTRICAL CONTRACTOR AND REFER TO REFLECTED CEILING PLAN.
- DUCT SIZES SHOWN ON PLANS INDICATE CLEAR INSIDE DIMENSIONS OF DUCTS, NOT INCLUDING ALLOWANCE FOR INTERNAL INSULATION.
- WHERE CONNECTIONS OR ALTERATIONS ARE MADE TO EXISTING DUCTWORK, OR OTHER MECHANICAL EQUIPMENT, THE EXACT LOCATION AND CONFIGURATION SHALL BE DETERMINED ON THE JOB SITE. ROUTE AND CLEARANCES FOR NEW DUCTWORK, OR OTHER MECHANICAL EQUIPMENT CONNECTING TO EXISTING SHALL BE VERIFIED ON THE JOB SITE BEFORE FABRICATION.
- WHERE ANY PART OF BUILDING OR EXISTING EQUIPMENT IS CUT OR OTHERWISE DISFIGURED TO PERMIT INSTALLATION OF NEW EQUIPMENT OR RELOCATION OF EXISTING EQUIPMENT, THIS PART OF BUILDING OR EXISTING EQUIPMENT SHALL BE REPAIRED OR REPLACED TO MATCH EXISTING.
- ITEMS REMOVED DURING DEMOLITION MAY BE REUSED. HANDLE WITH EXTREME CARE AND TOUCH-UP DAMAGED SURFACES OR REPLACE WITH NEW AT OWNER'S DISCRETION. ITEMS DAMAGED DURING DEMOLITION SHALL BE REPLACED AT NO COST TO OWNER. OWNER HAS FIRST REFUSAL ON ALL ITEMS REMOVED DURING DEMOLITION.
- AIR-BALANCE REPORT SHALL ACCOMPANY A SET OF AS-BUILT PLANS INDICATING EXACT TO-SCALE LOCATIONS AND FINAL BALANCE AIR RATES. MAINTAIN A MINIMUM OF ONE INTACT SET OF PROJECT PLANS AND SPECIFICATIONS AT JOB SITE MARKED TO SHOW ALL DEVIATIONS PERMITTED DURING CONSTRUCTION AS THE WORK IS INSTALLED. ALL MARKS SHALL BE RED IN COLOR, COMPLETE, CLEAR AND LEGIBLE.

SPECIFICATIONS

- GENERAL
- THE CONTRACT DOCUMENTS APPLY TO THESE SPECIFICATIONS.
- PROVIDE ALL NECESSARY LABOR AND MATERIALS FOR THE WORK SHOWN ON THE DRAWINGS, WHICH INCLUDES REMOVAL OF EQUIPMENT AND COMPONENTS TO BE REMOVED AS WELL AS INSTALLATION OF HVAC SYSTEMS.
- WORK SHALL MEET REQUIREMENTS OF LOCAL BUILDING CODES AND ORDINANCES, APPLICABLE REQUIREMENTS OF THE VUSBC AND NFPA.
- SUBMIT SHOP DRAWINGS FOR THE FOLLOWING:
 - A. GRILLES, REGISTERS & DIFFUSERS
 - B. INSULATION
- PLACING IN SERVICE:
 - A. BEFORE BEING PLACED INTO OPERATION, ALL EQUIPMENT REQUIRING PREOPERATIONAL ATTENTION SHALL BE SERVICED IN ACCORDANCE WITH THE REQUIREMENTS OF THESE SPECIFICATIONS AND THE MANUFACTURER'S RECOMMENDATIONS.
 - B. THIS SERVICING SHALL INCLUDE LUBRICATION, CONTROL CALIBRATIONS AND ADJUSTMENTS, AND TESTING AND ADJUSTING OF OPERATING CONTROLS.
 - C. AT THE COMPLETION OF PERFORMANCE TEST AND FOLLOWING APPROVAL OF TEST RESULTS, THE CONTRACTOR SHALL RECHECK ALL EQUIPMENT AND VERIFY THAT EACH ITEM IS FUNCTIONING CORRECTLY.
 - D. FURNISH ALL NECESSARY EQUIPMENT AND ASSUME ALL COSTS INVOLVED TO PERFORM ALL TESTING, CLEANING, AND BALANCING OPERATIONS REQUIRED.
 - E. TEST, ADJUST AND BALANCE ALL SYSTEMS UNTIL DESIGN FUNCTION AND OPERATION ARE ACHIEVED. THE CONTRACTOR SHALL ENGAGE THE SERVICES OF AN INDEPENDENT CONTRACTOR WHO SPECIALIZES IN THE PRACTICE OF TESTING, ADJUSTING AND BALANCING MECHANICAL EQUIPMENT AND SYSTEMS.
- PRODUCTS
- DUCTWORK:
 - A. DUCT SYSTEMS SHALL BE IN ACCORDANCE WITH SMACNA DUCT CONSTRUCTION STANDARDS, THE NATIONAL FIRE PROTECTION ASSOCIATION AND MANUFACTURER'S RECOMMENDATIONS WHERE APPLICABLE.
 - B. SYSTEMS AND MATERIALS: LOW VELOCITY A/C (GENERAL USE) GALVANIZED STEEL.
 - C. FITTINGS FOR ALL DUCT SYSTEMS SHALL BE OF THE SAME MATERIAL AS THE DUCT.
 - D. MATERIALS: GALVANIZED STEEL SHALL MEET REQUIREMENTS OF ASTM A-527 "STEEL SHEET, ZINC COATED BY THE HOT-DIP PROCESS, LOCK-FORMING QUALITY"; MANUAL DAMPER OPERATORS SHALL BE LOCKING TYPE AS MANUFACTURED BY VENTFABRICS, INC. OR YOUNG REGULATOR COMPANY.
 - E. FLEXIBLE AIR DUCT SHALL BE FLEXMASTER TYPE 8M INSULATED FLEXIBLE DUCT. THE COMPLETE DUCT SHALL CONFORM TO NFPA 90A AND BE LISTED BY UNDERWRITER'S LABORATORIES AS 181 CLASS 1 AIR DUCT.
 - F. JOINT AND SEAM SEALANTS SHALL BE UL CLASSIFIED WITH A FLAME-SPREAD RATING OF 25 OR LESS AND SMOKE-DEVELOPMENT RATING OF 50 OR LESS WHEN APPLIED TO GALVANIZED STEEL.
 - G. ALL NECESSARY ALLOWANCES AND PROVISIONS SHALL BE MADE FOR BEAMS, CONDUITS, PIPING AND OTHER OBSTRUCTIONS OF THE BUILDING. WHERE NECESSARY TO AVOID OBSTRUCTIONS, THE DUCTS SHALL BE TRANSFORMED, OFFSET, RAISED OR LOWERED WITH THE REQUIRED FREE AREA BEING MAINTAINED.

2.02 INSULATION SCHEDULE

SERVICE	TYPE INSULATION	THICKNESS (IN.)	FINISH IN CNCL. AREAS	FINISH IN FNSH. AREAS	NOTES
(1) DUCTWORK					
A/C SUPPLY & RETURN AIR	FLEXIBLE GLASS FIBER	1.5	FSK VAPOR BARRIER JACKET		1

NOTES:

- APPLY FLEXIBLE GLASS FIBER INSULATION IN CONCEALED AREAS ONLY.

3.0 EXECUTION

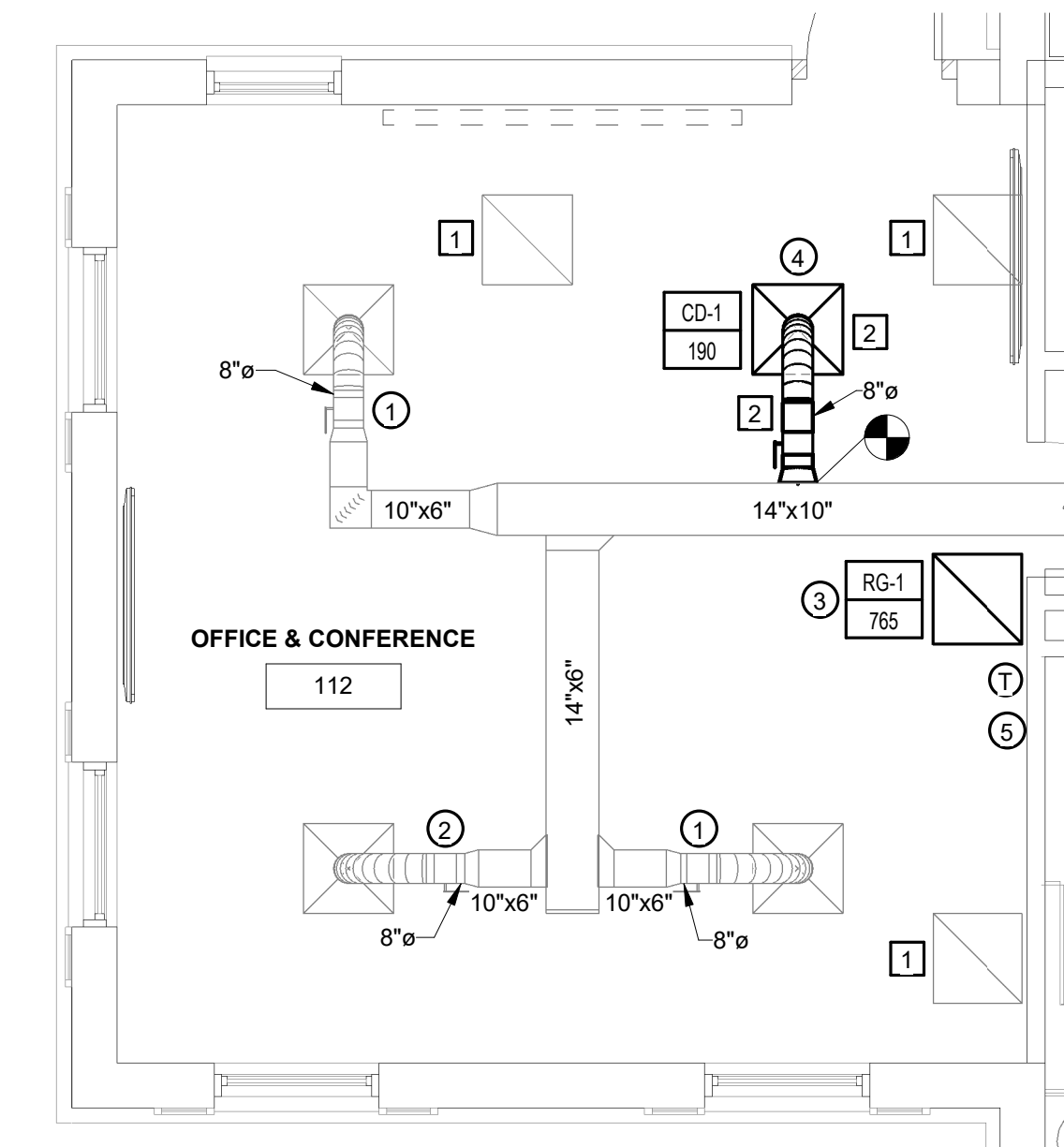
- DUCT SYSTEMS SHALL BE BALANCED TO PROVIDE AIR QUANTITIES WITHIN TEN (10) PERCENT OF SPECIFIED REQUIREMENTS. FOR OUTLETS LESS THAN 75 CFM, THE TOLERANCE SHALL BE +/- TWENTY (20) PERCENT, UNLESS OTHERWISE NOTED.

PLAN NOTES

- BALANCE (E) SA DAMPER TO 190 CFM.
- BALANCE (E) SA DAMPER TO 195 CFM.
- INSTALL NEW RA GRILLE IN THIS LOCATION.
- INSTALL NEW SUPPLY DIFFUSER AND DUCTWORK AS SHOWN.
- RELOCATE (E) THERMOSTAT TO APPROXIMATE LOCATION SHOWN ON DRAWING.

PLAN DEMOLITION NOTES

- DEMOLISH (E) RA DIFFUSER AND ANY ASSOCIATED DUCTWORK. VERIFY (E) DUCTWORK IN FIELD.
- DEMOLISH (E) SA DIFFUSER AND (E) SA DUCTWORK BACK TO SA MAIN DUCT.

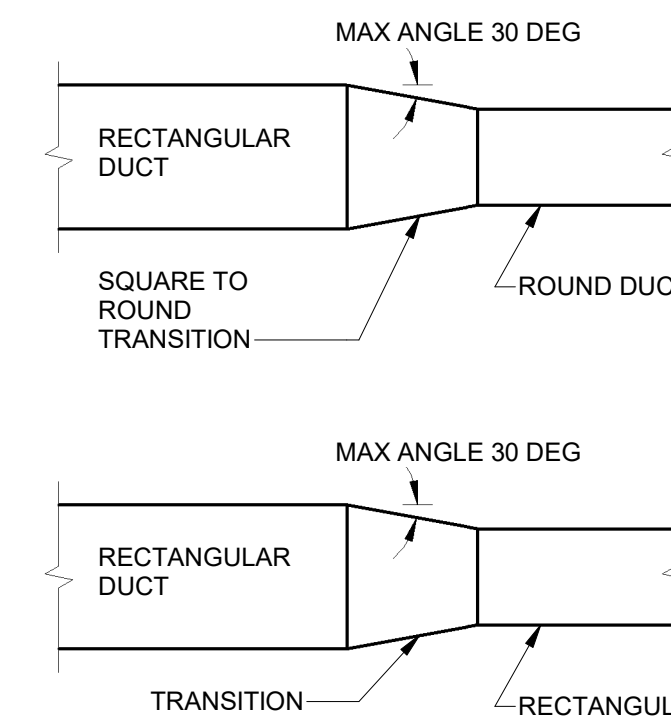


HVAC OFFICE & CONFERENCE ROOM PLAN
1/4" = 1'-0"

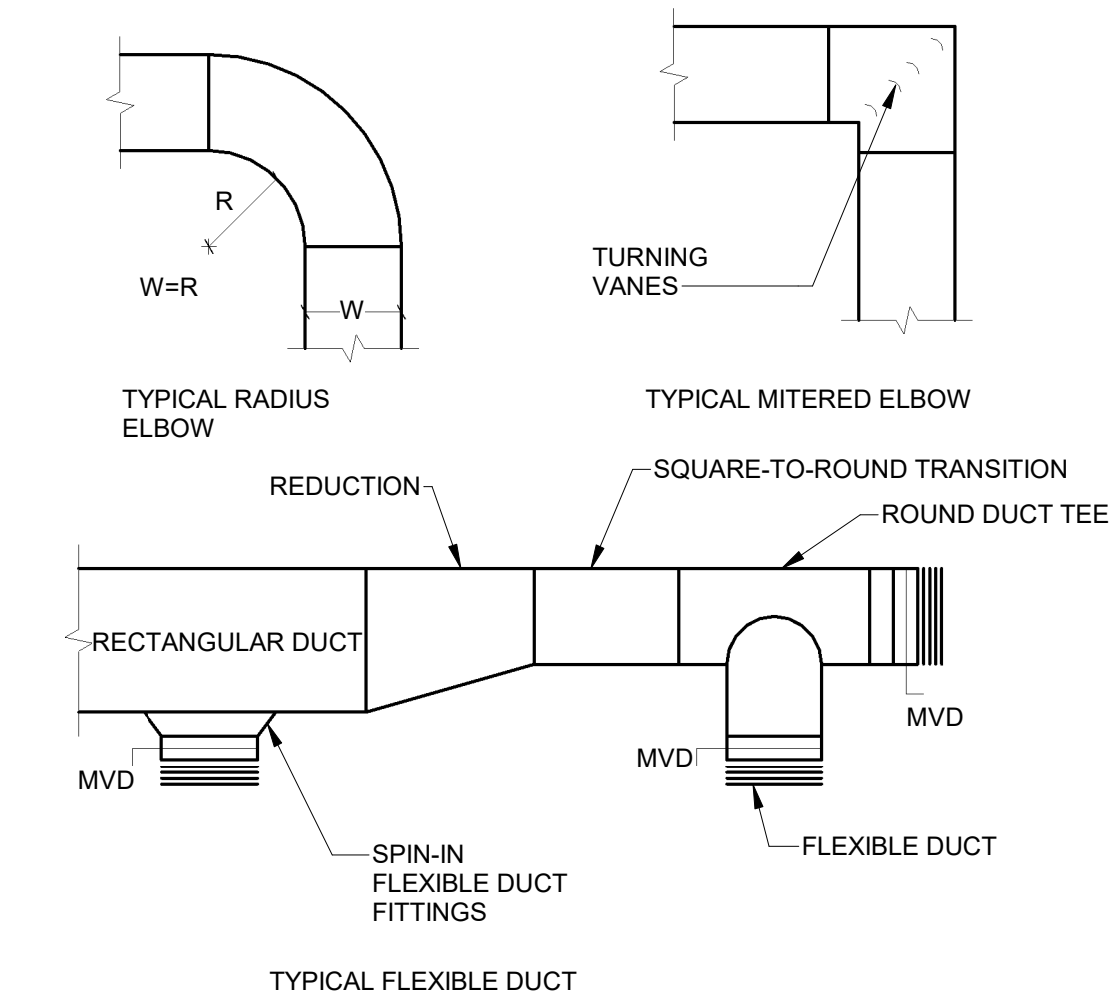
AIR DISTRIBUTION SCHEDULE

MARK	MODEL	NECK SIZE	MOUNTING	MATERIAL	COLOR	MAX NC	REMARKS
CD-1	SCD	8"ø	LAY-IN	STEEL	WHITE	25	1,2
RG-1	PDDR	14"x14"	LAY-IN	ALUMINUM	WHITE	25	1,2

REMARKS:
 1. MODEL NUMBER BASED ON PRICE INDUSTRIES.
 2. 24"x24" FACE SIZE.



DUCT TRANSITION DETAILS
NOT TO SCALE



DUCT CONNECTION DETAILS
NOT TO SCALE



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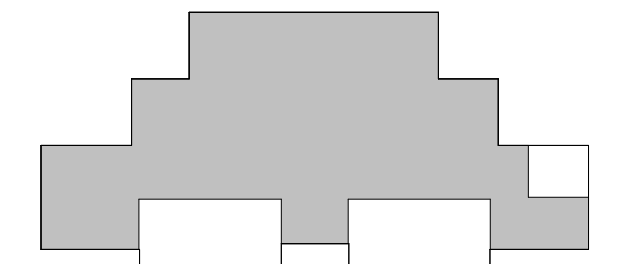
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CITY OF DANVILLE
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 645 River Park Drive
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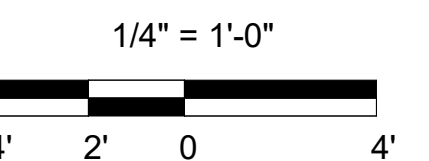
SEAL



KEY PLAN



SCALE



No.	Description	Date

REVISIONS

DRAWN BY _____ ETO
 APPROVED BY _____ ETO
 CHECKED BY _____ CLS
 DATE _____ 2024.06.26

TITLE

DANVILLE WELCOME CENTER HVAC PLAN

PROJECT NO. 50180608

M-100

SHEET NO.

A

B

C

D

E

1

2

3

4

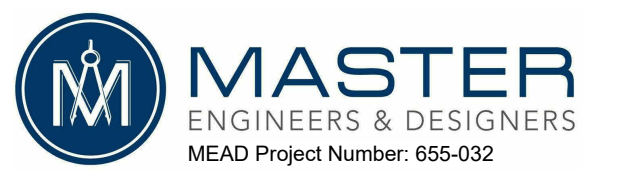
5

NOTES (SHEET NO. ED-100)

- COORDINATE ELECTRICAL DEMOLITION WITH ARCHITECTURAL. REFER TO ARCHITECTURAL SHEET A1.101 "DEMOLITION & NEW WORK PLAN" FOR ADDITIONAL DEMOLITION NOTES.
- REMOVE ALL POWER, DATA, LIGHTING OR OTHER ELECTRICAL DEVICE APPURTENANCES ASSOCIATED WITH WALLS, CEILING OR SURFACES TO BE DEMOLISHED.
- REMOVE ALL ABANDONED CONDUIT AND WIRING ASSOCIATED WITH ALL DEMOLISHED ELECTRICAL DEVICES.
- RECONNECT ANY EXISTING TO REMAIN POWER, DATA, LIGHTING, ALARM OR OTHER DEVICES DISCONNECTED DURING DEMOLITION TO THE ORIGINAL CIRCUITING. INSTALL NEW CONDUIT AND WIRING AS NECESSARY.



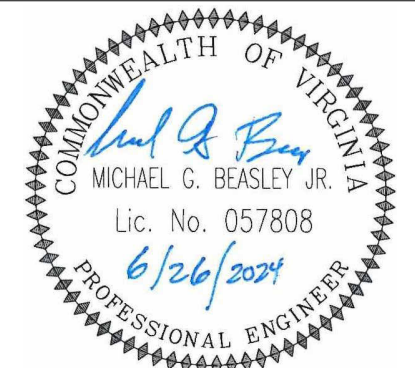
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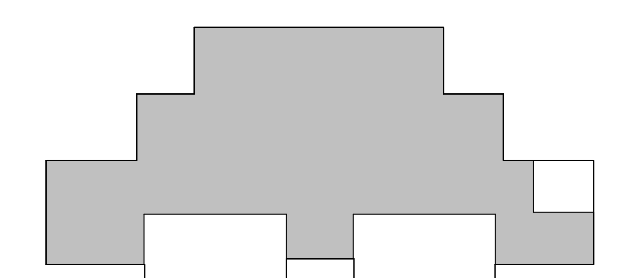
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KEY PLAN



SCALE

3/16" = 1'-0"

No.	Description	Date

REVISIONS

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APPROVED BY	MGB
CHECKED BY	MGB
DATE	2024.06.26

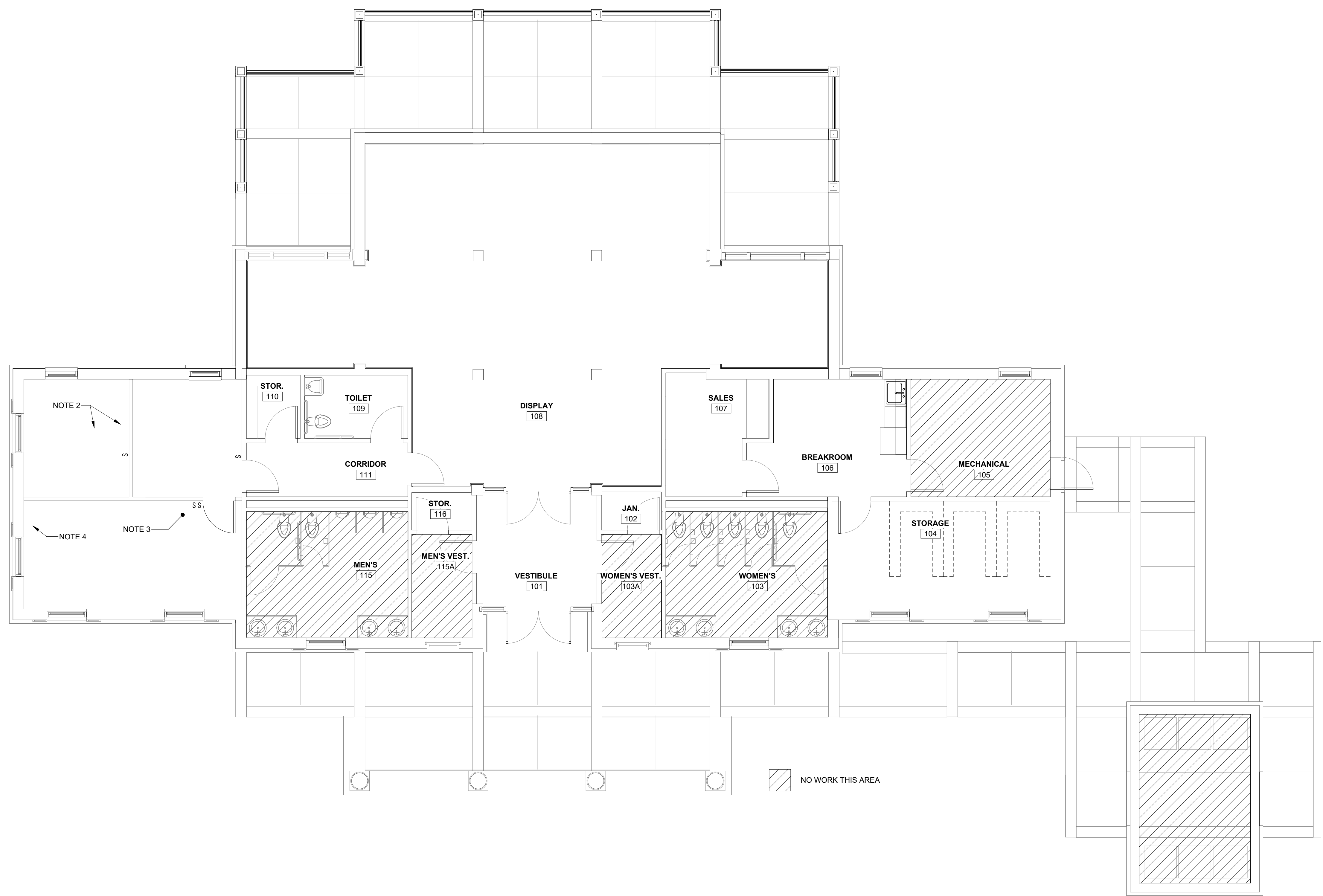
TITLE

DEMOLITION FLOOR PLAN ELECTRICAL

PROJECT NO. 50180608

ED-100

SHEET NO.

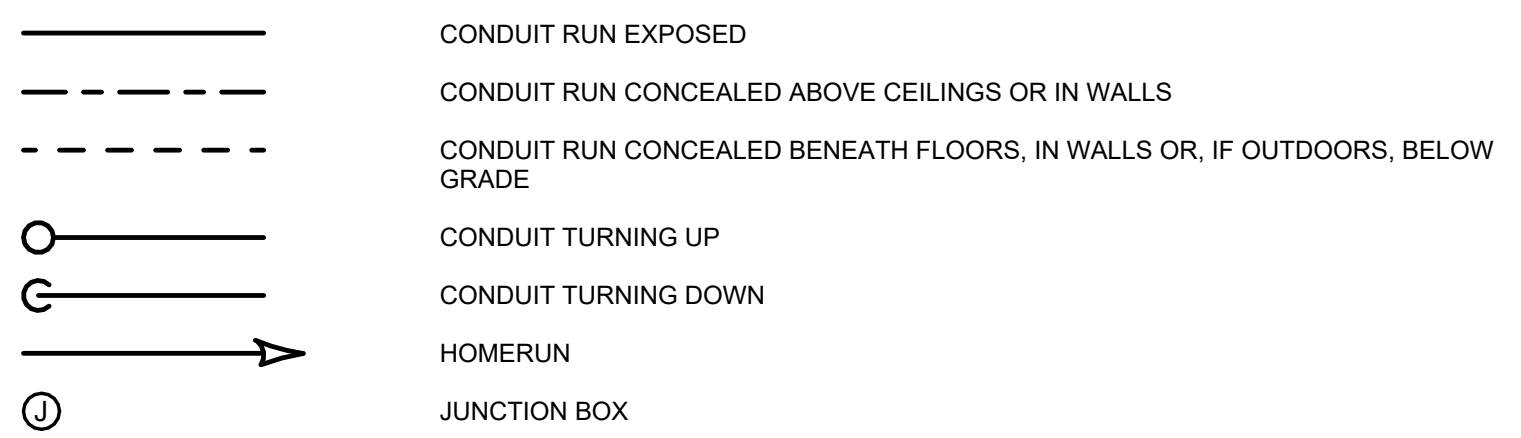


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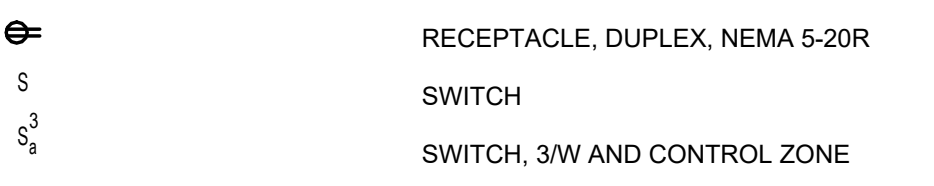
FIRST FLOOR PLAN DEMOLITION
3/16" = 1'-0"

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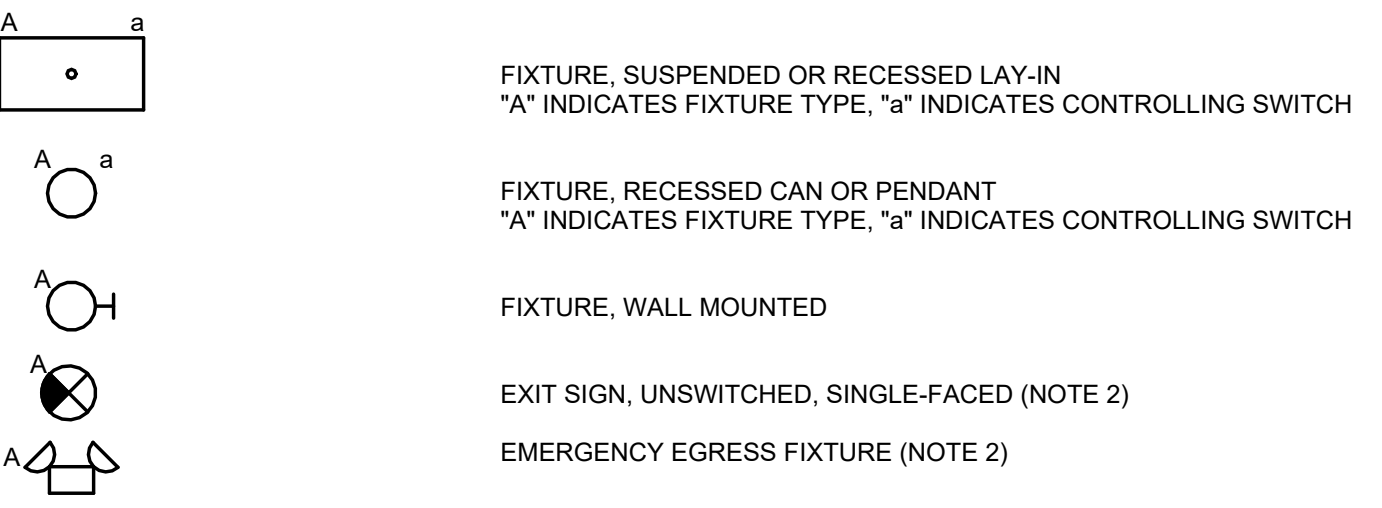
RACEWAY



WIRING DEVICES



LIGHTING



MISCELLANEOUS



ABBREVIATIONS

A	AMPERE	GEC	GROUNDING ELECTRODE CONDUCTOR
AF	AMP FRAME	GFI	GROUND FAULT INTERRUPTER
AFF	ABOVE FINISHED FLOOR	GND	GROUND
AFG	ABOVE FINISHED GRADE	HP	HORSEPOWER OR HEAT PUMP
AHJ	AUTHORITY HAVING JURISDICTION	KCMIL	THOUSAND CIRCULAR MILLS
AHU	AIR HANDLING UNIT	KVA	KILOVOLT-AMPS
AIC	AMPERES INTERRUPTING CURRENT	KW	KILOWATTS
AMPS	AMPERES	MC	METAL CLAD CABLE
AT	AMPERE TRIP	MH	MOUNTING HEIGHT
BCSD	BARE COPPER SOFT DRAWN CONDUIT	MIN	MINIMUM
C	COUNTER HEIGHT + ENOUGH TO CLEAR BACKSPLASH	N, NEUT	NEUTRAL
CONN	CONNECTED	N/A	NOT APPLICABLE
CU	CONDENSING UNIT	NTS	NOT TO SCALE
EF	EXHAUST FAN	P	POLE
EGC	EQUIPMENT GROUNDING CONDUCTOR	PVC	POLYVINYL CHLORIDE CONDUIT
EM	EMERGENCY	REC	RECEPTACLE
EMT	ELECTRICAL METALLIC THINWALL	RMS	ROOT MEAN SQUARE
EWC	ELECTRIC WATER COOLER	RSC	RIGID STEEL CONDUIT
FACP	FIRE ALARM CONTROL PANEL	RTU	ROOFTOP UNIT
FDAS	FIRE DETECTION AND ALARM SYSTEM	SPD	SURGE PROTECTIVE DEVICE
FHP	FRACTIONAL HORSEPOWER	SYM	SYMMETRICAL
FPEM	FUSE PER EQUIPMENT MANUFACTURER	TYP	TYPICAL
		UH	UNIT HEATER
		UON	UNLESS OTHERWISE NOTED

NOTES (PLAN LEGEND)

- INSTALL SINGLE-GANG OUTLET BOX. FROM DEVICE OUTLET BOX, RUN EMPTY 3/4" EMT UP IN WALL, TURN OUT IN CEILING PLENUM AND TERMINATE WITH BUSHING. INSTALL PULL STRING.
- EXIT SIGNS AND EGRESS FIXTURES SHALL BE UNSWITCHED. FEED EXIT SIGNS AND EGRESS FIXTURES FROM THE SAME CIRCUIT.
- COORDINATION WITH OTHER TRADES: EXECUTE THE WORK IN FULL COOPERATION WITH OTHER CONSTRUCTION TRADES. PRIOR TO STARTING WORK, EXAMINE A COMPLETE SET OF CONSTRUCTION DOCUMENTS FOR ALL TRADES TO VERIFY COORDINATION, CHECK FOR INTERFERENCES, AND DETERMINE POINTS OF CONNECTIONS FOR EQUIPMENT. DUE TO STRUCTURAL CONDITIONS, MECHANICAL DUCT OR PIPING INTERFERENCE, OR OTHER REASONS, THE CONTRACTOR MAY DESIRE TO INSTALL THE WORK IN AN ALTERNATE MANNER FROM THAT SHOWN. SUCH CHANGES SHALL BE PRESENTED TO THE OWNER'S REPRESENTATIVE FOR APPROVAL BEFORE PROCEEDING.
- EXISTING BUILDINGS:
 - PRIOR TO SUBMITTING PROPOSAL FOR THIS WORK, BECOME FAMILIAR WITH THE DRAWINGS AND EXAMINE THE CONTRACT. THE CONTRACTOR WILL NOT BE ENTITLED TO ANY EXTRA COMPENSATION FOR FAILURE TO ALLOW FOR EXISTING CONDITIONS.
 - SUBMITTING A BID OR PROPOSAL WILL BE CONSIDERED EVIDENCE OF THE FACT THAT THE CONTRACTOR HAS INVESTIGATED AND IS FULLY AWARE OF EXISTING CONDITIONS AND IS ABLE TO COMPLETE ALL WORK REQUIRED BY THE CONTRACT.
 - WHERE SURFACE-MOUNTED CONDUITS ARE REQUIRED BY THE CONTRACT, COORDINATE INSTALLATION WITH AND GET PRIOR APPROVAL OF ARCHITECT AND OWNER. SURFACE-MOUNTED CONDUITS AND RACEWAYS SHALL BE ROUTED ALONG BUILDING LINES, WITH PARALLEL AND PERPENDICULAR TO STRUCTURAL ELEMENTS.
- COORDINATE LOCATION OF CONDUITS, OUTLETS AND JUNCTION BOXES WITH MECHANICAL EQUIPMENT SO THAT OUTLETS AND JUNCTION BOXES ARE ACCESSIBLE FOR SERVICING AND HVAC DUCTWORK CAN BE CONNECTED DIRECTLY TO DIFFUSERS.
- PERFORM ALL WORK IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE (NEC).
- FOR RECORD DRAWING REQUIREMENTS, REFER TO THE GENERAL CONDITIONS. MAINTAIN A DEDICATED SET OF DRAWINGS ON THE JOBSITE AND MARK ALL VARIATIONS TAKEN TO THE CONTRACT DRAWINGS.
- DUE TO THE SMALL SCALE OF THE DRAWINGS, AND TO UNFORESEEN JOB CONDITIONS, ALL REQUIRED OFFSETS AND FITTINGS MAY NOT BE SHOWN BUT SHALL BE PROVIDED AT NO CHANGE IN CONTRACT PRICE.
- CUTTING AND PATCHING SHALL BE IN ACCORDANCE WITH THE GENERAL CONDITIONS. CUTTING AND PATCHING SHALL BE DONE IN A WORKMANLIKE MANNER USING TOOLS AND MATERIALS SUITABLE FOR THE PURPOSE.
- IT IS THE INTENT OF THESE SPECIFICATIONS TO ESTABLISH QUALITY STANDARDS FOR ALL MATERIAL AND EQUIPMENT INCORPORATED IN THE WORK OF THIS DIVISION. ALL MATERIALS AND EQUIPMENT INSTALLED HEREUNDER SHALL BE NEW UNLESS INDICATED TO BE EXISTING, OR EXISTING AND RELOCATED.

SPECIFICAIONS

- REFERENCE STANDARDS
- NATIONAL ELECTRICAL CODE (NFPA NO.70)NEC
 - NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATIONNEMA
 - UNDERWRITERS LABORATORIES, INC.UL
 - UNIFORM FEDERAL ACCESSIBILITY STANDARDSUFAS
 - UNIFORM STATE BUILDING CODEVUSSC
- 260000 - ELECTRICAL GENERAL REQUIREMENTS
- SUBMITTALS: SUBMIT SHOP DRAWINGS FOR THE FOLLOWING:
 - LIGHTING, INTERIOR
 - CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS AT PROJECT CLOSE-OUT WHICH SHALL SHOW ACCURATE PANEL SCHEDULES THAT MATCH PANEL DIRECTORY CARDS IN FIELD.
- 260200 - FIRE STOPPING SYSTEMS
- FIRE STOP MATERIALS SHALL BE 3M ELECTRICAL PRODUCTS DIVISION, CP25 SERIES; CSD SEALING SYSTEMS; INTERNATIONAL PROTECTIVE COATINGS CORPORATION, FS AND FST SERIES; NELSON FIRESTOP PRODUCTS
 - INSTALL FIRE STOP MATERIALS AT ALL FLOOR PENETRATIONS AND PENETRATION OF FIRE-RATED WALLS.
- 260519 - WIRE, CABLE AND WIRING (SINGLE CONDUCTOR) (600 VOLTS MAX)
- CONDUCTOR CODING: COLOR CODE INSULATED CONDUCTORS IN ACCORDANCE WITH NEC.
 - CONDUCTOR REQUIREMENTS: ALL CONDUCTORS SHALL BE COPPER. INSULATION SHALL BE TYPE THWN OR XHHW, RATED FOR 600 VOLTS, 75°C UNLESS OTHERWISE INDICATED.
 - INSTALLATION: INSTALL ALL WIRING IN CONDUIT, MAXIMUM 40% FILL.
- 260526 - GROUNDING
- CONDUCTORS: EQUIPMENT GROUNDING CONDUCTORS IN RACEWAYS SHALL BE INSULATED COPPER.
 - INSTALL EQUIPMENT GROUNDING CONDUCTORS IN ALL RACEWAYS CONTAINING CONDUCTORS HAVING 100 VOLTS OR MORE TO GROUND.
 - GROUND ALL ENCLOSURES.
- 260533 - RACEWAYS AND BOXES FOR ELECTRICAL SYSTEMS
- METALLIC RACEWAYS
- ELECTRICAL METALLIC TUBING (EMT): HIGH STRENGTH GALVANIZED, 3/4 INCH MINIMUM SIZE, 2 INCH MAXIMUM SIZE. FITTINGS OF SAME FINISH AND MATERIAL AS TUBING. USE COMPRESSION TYPE FITTINGS ONLY.
 - RIGID STEEL CONDUIT (RSC): LOW CARBON, HOT-DIPPED GALVANIZED INSIDE AND OUTSIDE WITH THREADED ENDS, MINIMUM 3/4 INCH. THREADED FITTINGS - CAST IRON OR ALLOY STEEL.
 - CONDUIT BUSHINGS:
 - INSULATED:
 - TYPE B OR SBT AS APPLICABLE, BY O-Z / GEDNEY
 - SERIES 1100 OR SERIES 2800, AS APPLICABLE BY RACO
 - SERIES BU500 OR SERIES TC700, AS APPLICABLE BY STEEL CITY.
 - GROUNDING:
 - O-Z / GEDNEY TYPE BLG
 - RACO SERIES 1222 THRU 1236
 - STEEL CITY TYPE BG
 - PULLING IN WIRE: NO. 14 GALVANIZED IRON OR 5/32 INCH POLYETHYLENE ROPE.
 - THREAD LUBRICANT / SEALANT: THREAD LUBRICANT / SEALANT SHALL BE CROUSE-HINDS TYPE STL OR EQUAL BY IDEAL OR O-Z / GEDNEY.

SPECIFICAIONS (CONTINUED)

- CONDUIT INSTALLATION
 - IN FINISHED AREAS WHERE CONCEALED IN WALLS OR ABOVE CEILINGS, USE EMT. WHERE RUN EXPOSED WITHIN ELECTRICAL-MECHANICAL ROOM, EMT MAY BE USED. MC-CABLE MAY ALSO BE USED WHERE CONCEALED INDOORS.
 - WHERE CONDUIT IS RUN EXPOSED OUTDOORS, USE RSC.
 - ALL CONDUIT WITH HACKSAW OR APPROVED CUTTING MACHINE AND REAM AFTER THREADING TO REMOVE ALL BURRS.
 - ARRANGEMENT: SPACE GROUPS OF CONDUITS UNIFORMLY. FOR BENDS AND OFFSETS, USE AN APPROVED HICKEY OR BENDING MACHINE. PROVIDE RIGHT ANGLE TURNS CONSISTING OF FITTINGS OR SYMMETRICAL BENDS. AVOID CONDENSATION POCKETS IN INSTALLATIONS. NOT MORE THAN ONE EXPOSED CONDUIT SHALL BE RUN DOWN TO AN EXPOSED WALL SWITCH OR OUTLET BOX.
 - CONDUIT SUPPORT: SUPPORT RUNS OF METALLIC CONDUIT AT LEAST EVERY 8 FEET. SUPPORT CONDUITS WITHIN 1 FOOT OF ALL CHANGES IN DIRECTION. SUPPORTING DEVICES
 - THREADED MATERIALS SHALL BE STAINLESS STEEL. ALL OTHER MATERIALS SHALL BE ALUMINUM, OR STAINLESS STEEL
- NONMETALLIC RACEWAYS
- SCHEDULE 40 ELECTRICAL PLASTIC CONDUIT: DESIGNED FOR UNDERGROUND INSTALLATION WITHOUT CONCRETE ENCASEMENT AND NORMAL DUTY APPLICATION ABOVE GROUND AND MADE OF POLYVINYL CHLORIDE (EPC-40-PVC FOR TYPE II AND TYPE III APPLICATIONS). MINIMUM SIZE SHALL BE 3/4".
 - SUPPORT: SUPPORT RACEWAYS BASED ON THE TEMPERATURE AT THE APPLICATION, BUT IN NO CASE SHALL THE DISTANCE BETWEEN SUPPORTS BE LESS THAN THE REQUIREMENTS OF NEC. INSTALL RACEWAY AT LEAST 6 INCHES AWAY FROM STEAM LINES AND OTHER HEAT SOURCES.
 - CONDUIT INSTALLATION: INSTALL NONMETALLIC RACEWAYS BELOW GRADE, WHERE TRANSITIONING FROM BELOW TO ABOVE GRADE FOR A STUB-UP FOR FUTURE EQUIPMENT, TRANSITION TO RSC.
- PULL AND JUNCTION BOXES
- EXPOSED PULL AND JUNCTION BOXES SHALL BE NEMA 4X, STAINLESS STEEL. WHERE CONCEALED ABOVE DROP CEILINGS, SHEET METAL BOXES MAY BE USED.
 - PROVIDE PULL AND JUNCTION BOXES WHERE SHOWN ON THE DRAWINGS, AND WHERE REQUIRED FOR CHANGES IN DIRECTION, AT JUNCTION POINTS, AND TO FACILITATE WIRE PULLING. PROVIDE ADDITIONAL BOXES AS REQUIRED SO THAT WIRE AND CABLE MANUFACTURER'S MAXIMUM RECOMMENDED PULLING TENSIONS ARE NOT EXCEEDED.
 - SIZE BOXES IN ACCORDANCE WITH NEC UNLESS LARGER BOXES ARE INDICATED.
- 262726 - WIRING DEVICES
- RECEPTACLES
- DUPLEX CONVENIENCE OUTLETS SHALL BE HEAVY DUTY, TAMPER RESISTANT, BACK AND SIDE WIRED, U SLOTTED GROUND, AND BE RATED AT 20 AMPERES, 125 VOLTS, HUBBELL BR20WHTR, OR EQUAL BY LEVITON OR PASS & SEYMOUR.
 - GROUND FAULT INTERRUPTER RECEPTACLES SHALL BE HUBBELL GF5362SGW, OR EQUAL BY LEVITON, OR PASS & SEYMOUR.
 - ALL RECEPTACLES (EXCEPT THOSE IN THE OFFICE SPACE) SHALL BE INSTALLED WITH CAST ALUMINUM, WHILE-IN-USE COVERS.
 - EXECUTION
 - INSTALL RECEPTACLES WITH GROUNDING POLE UP. LOCATE AT HEIGHT INDICATED ON DRAWINGS. LONG DIMENSION OF RECEPTACLES SHALL BE VERTICAL UNLESS OTHERWISE INDICATED OR REQUIRED.

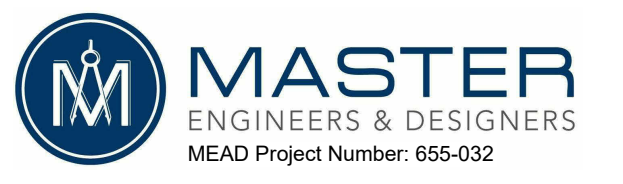
- 265119 - INTERIOR LIGHTING AND CONTROLS
- PROVIDE LIGHT FIXTURES, ACCESSORIES, AND EXIT SIGNS AS SCHEDULED ON DRAWINGS. APPROVED EQUALS MAY BE SUBSTITUTED. SUBSTITUTIONS WILL BE APPROVED ONLY IF THEY ARE EQUAL IN MATERIAL, QUALITY AND PERFORMANCE TO THOSE WHICH ARE SCHEDULED ON DRAWINGS.
 - ALL LIGHTING FIXTURES SHALL COME WITH A MINIMUM 2-YEAR WARRANTY.
- (END OF SPECIFICATIONS)

ELECTRICAL DRAWING LIST

DWG NUMBER	DWG NAME
ED-100	DEMOLITION FLOOR PLAN ELECTRICAL
E-01	LEGENDS, NOTES, & ABBREVIATIONS
E-100	FLOOR PLANS LIGHTING
E-101	SITE PLAN LIGHTING
E-200	FLOOR PLANS POWER
E-300	SCHEDULES



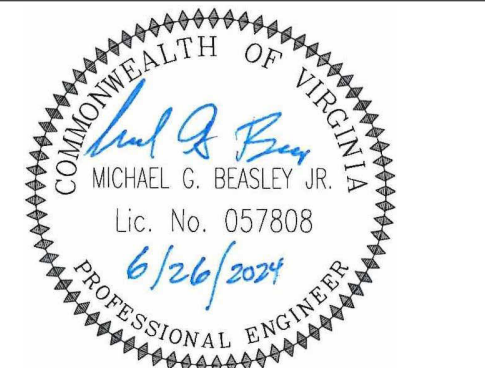
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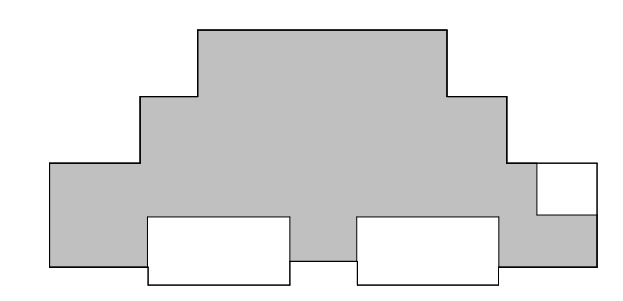
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KEY PLAN



SCALE

No.	Description	Date

REVISIONS

DRAWN BY	JHR
APPROVED BY	MGB
CHECKED BY	MGB
DATE	2024.06.26

TITLE

LEGENDS, NOTES, & ABBREVIATIONS

PROJECT NO. 50180608

E-01

SHEET NO.

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D

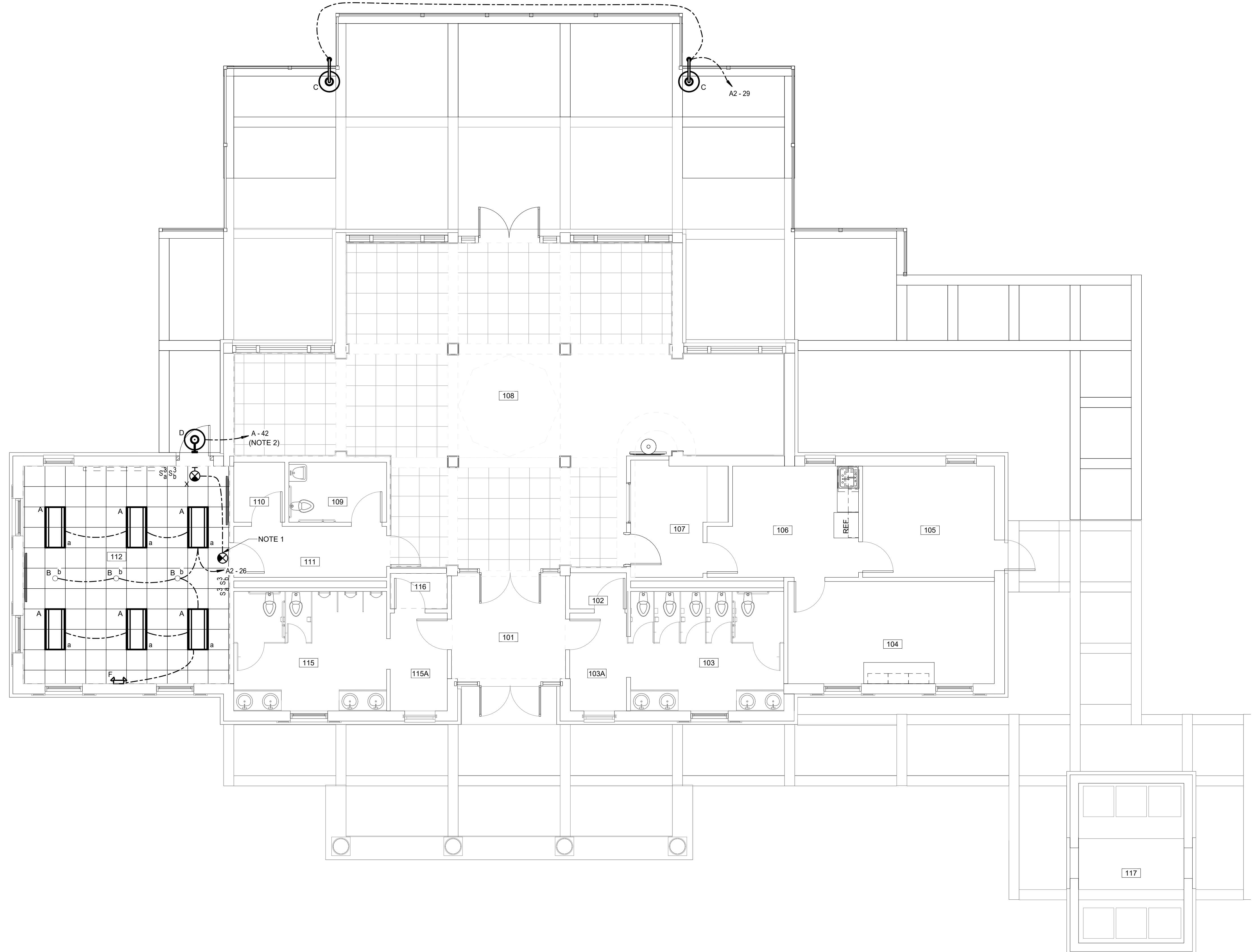
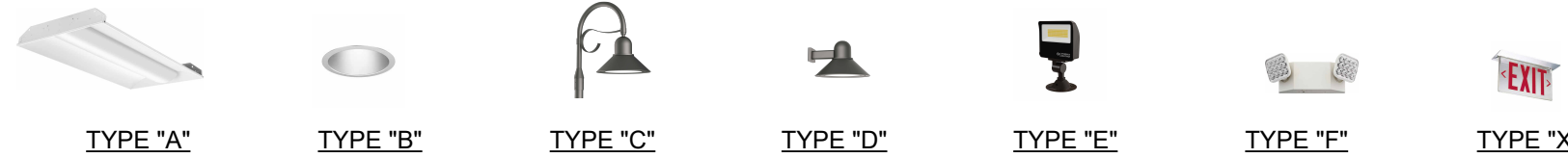
E

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOG NUMBER #	VOLTAGE	VOLT-AMPERES (MAX)	LUMENS	TYPE	DRIVER	DESCRIPTION
A	ACUITY BRANDS LIGHTING	2VTL4 40L ADPT LP940	120	32.00	4000	LED	0-10V DIMMING	2' X 4' LED VOLUMETRIC STATIC TROFFER
B	ACUITY BRANDS LIGHTING	EVO6 35/15 MD MVOLT EZ1	120	14.70	1500	LED	0-10V DIMMING	6" OPEN DOWNLIGHT
C	NLS LIGHTING	CAL-1 TP1 S8 T5 48L 53 35K8 UNV AM GRN PC	120	80.00	8080	LED	0-10V DIMMING	ORNAMENTAL ARM MOUNT POLE LIGHT WITH A4-S-SGL-4R ARM AND 4" RSS POLE. (NOTE 3)
D	NLS LIGHTING	CAL-1 TP1 S8 T5 32L 53 35K8 UNV WM GRN	120	71.00	5202	LED	0-10V DIMMING	ORNAMENTAL WALL MOUNT
E	ACUITY BRANDS LIGHTING	ESXF1 ALO SSW2 KY DBB	120	34.00	1500	LED	0-10V DIMMING	FLOODLIGHT, LUMEN OUTPUT SWITCHABLE (NOTE 4)
F	ACUITY BRANDS LIGHTING	EU2CM6	120	3.15	620	LED	LED	WALL MOUNT EMERGENCY LIGHTING UNIT
X	ACUITY BRANDS LIGHTING	LRP BS 1 RC 120 ELN F	120	3.20	0	LED	LED	EMERGENCY EXIT SIGN. PROVIDE FACES AND ARROW AS INDICATED ON DRAWINGS

NOTES (SHEET NO. E-100)

- EXISTING EXIT SIGN, TO REMAIN. EXTEND CIRCUIT TO NEW TYPE "X" EXIT SIGN LOCATED AT NEW DOOR.
- EXTEND EXISTING EXTERIOR LIGHTING CIRCUIT "A-42" AND CONTROLS TO NEW TYPE "D" FIXTURE.
- MOUNT FIXTURE SUCH THAT FACE OF FIXTURE IS APPROXIMATELY 10' AFG. CONSULT WITH FACTORY FOR RECOMMENDED POLE LENGTH AND FOUNDATION REQUIREMENTS.
- LOCATE AND INSTALL ON GRADE PER FIXTURE MANUFACTURERS RECOMMENDATIONS. COORDINATE LOCATION WITH SIGN INSTALLER.



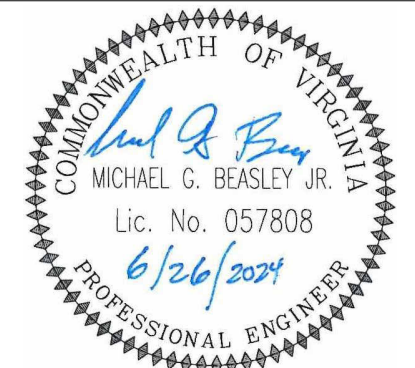
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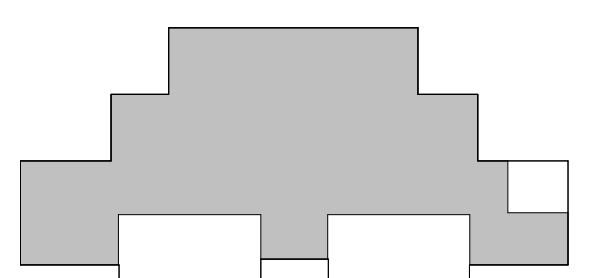
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KEY PLAN



SCALE

3/16" = 1'-0"

No.	Description	Date

REVISIONS

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 CHECKED BY _____ MGB
 DATE _____ 2024.06.26

TITLE
FLOOR PLANS LIGHTING

PROJECT NO. 50180608

E-100

SHEET NO.

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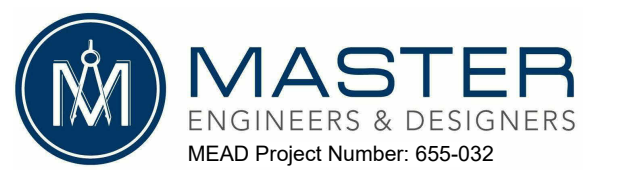
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NOTES (SHEET NO. E-101)

1. CIRCUIT SIGN SPOTLIGHT FROM EXISTING POLE LIGHT CIRCUIT MDP-18.20 OR MDP-20.24. IT MAY BE NECESSARY TO INSTALL AN IN-GRADE JUNCTION BOX TO INTERCEPT CIRCUIT. CONTROL FROM SAME MEANS AS PARKING LOT LIGHTING.
2. COORDINATE FINAL LIGHT LOCATION WITH SIGN INSTALLER AS TO BEST ILLUMINATE SIGN. INSTALL FIXTURE ON FOUNDATION PER MANUFACTURERS RECOMMENDATIONS.



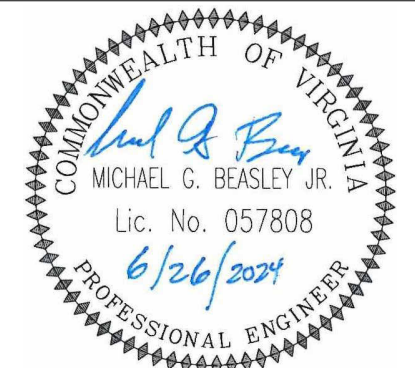
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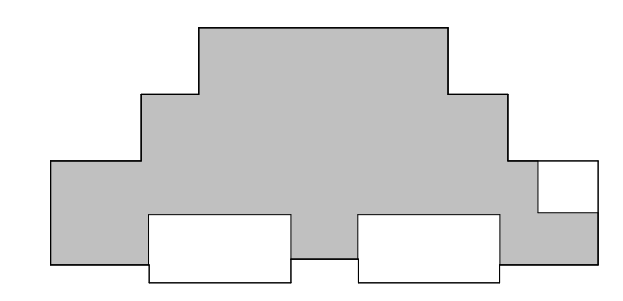
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KEY PLAN



SCALE

1" = 10'-0"

No.	Description	Date

REVISIONS

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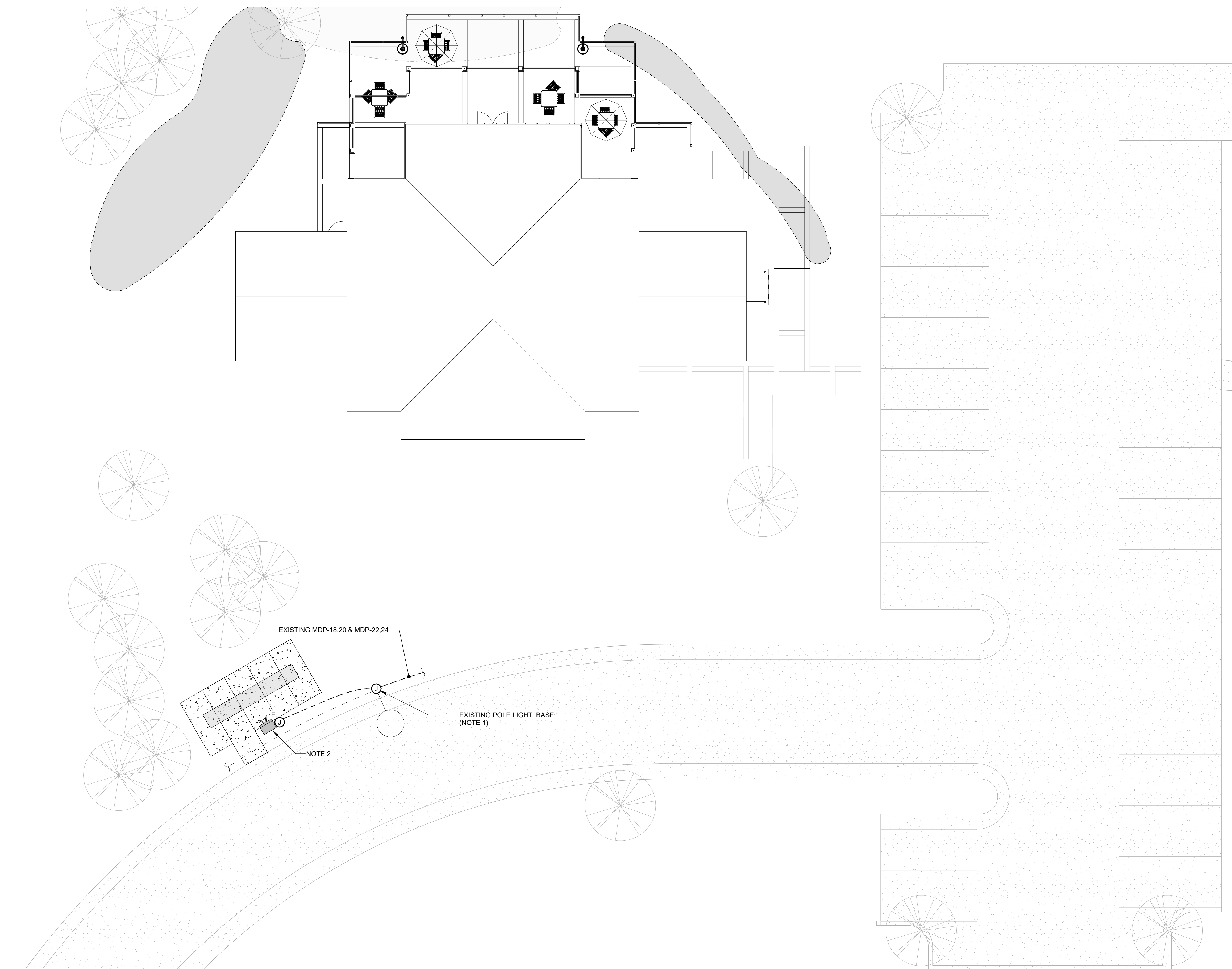
TITLE

SITE PLAN LIGHTING

PROJECT NO. 50180608

E-101

SHEET NO.



EXISTING MDP-18.20 & MDP-22.24

EXISTING POLE LIGHT BASE
(NOTE 1)

NOTE 2

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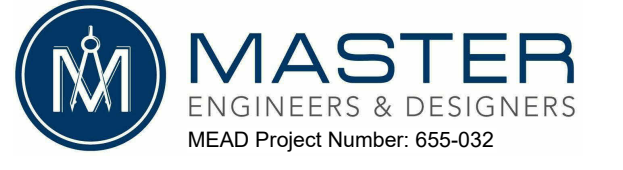
E

NOTES (SHEET NO. E-200)

- 1. PROVIDE AND INSTALL LEGRAND 094252 COMFORT RADIO KIT, WIRELESS CHIME AND DOORBELL. COORDINATE LOCATION PER OWNERS DIRECTION.
- 2. REPLACE COVER AND WIRING DEVICE IN EXISTING FLOOR BOX. COORDINATE WITH ARCHITECT FOR DESIRED FINISH OF NEW COVER.
- 3. INSTALL NEW STROBE AND TIE INTO EXISTING FIRE ALARM SYSTEM.



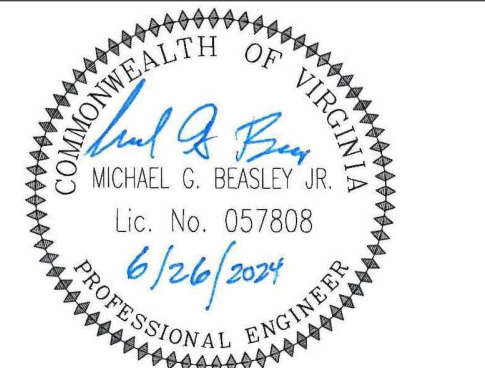
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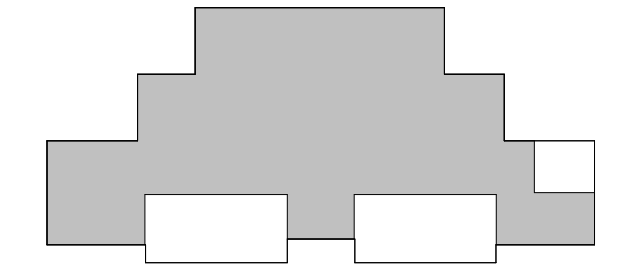
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KEY PLAN



SCALE

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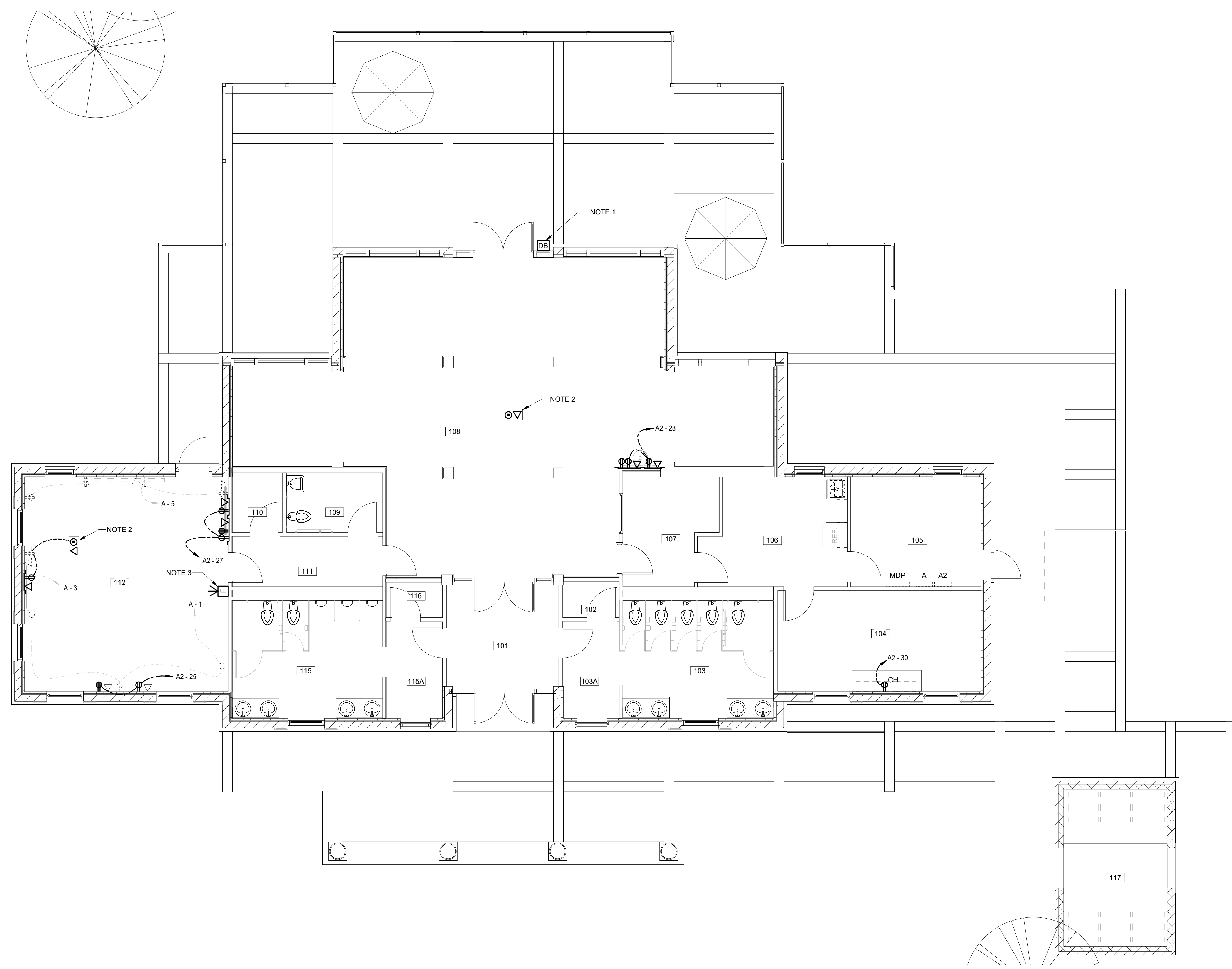
TITLE

FLOOR PLANS POWER

PROJECT NO. 50180608

E-200

SHEET NO.



FIRST FLOOR PLAN POWER
3/16" = 1'-0"

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NOTES (SHEET NO. E-300)

- 1. ELECTRICAL PANEL IS EXISTING TO REMAIN. CIRCUITS SHOWN IN BOLD ITALLIC ARE FOR REFERENCE ONLY. CIRCUITING HAS NOT BEEN FIELD VERIFIED.
2. EXTEND BRANCH CIRCUIT FEEDER TO DEVICES DISCONNECTED FROM THIS CIRCUIT DURING DEMOLITION.



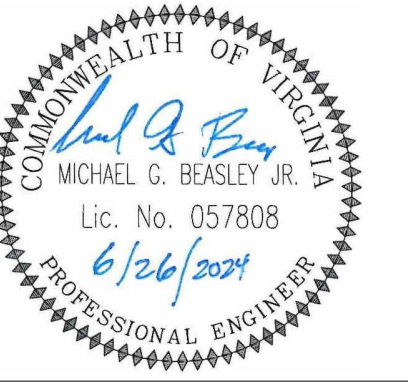
Dewberry Engineers Inc.
551 Piney Forest Road
Danville, VA 24540
434.797.4497 Phone
434.797.4341 Fax
www.dewberry.com



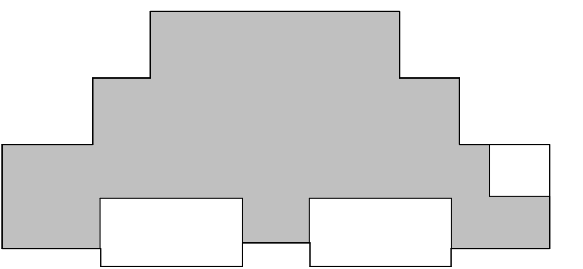
Master Engineers & Designers
904 Lakeside Drive
Lynchburg, VA 24501
434.846.1350

CITY OF DANVILLE
DANVILLE WELCOME CENTER
645 River Park Drive
Danville, V.A. 24540
PRELIMINARY

SEAL



KEY PLAN



SCALE

Table with 3 columns: No., Description, Date. Contains revision entries.

REVISIONS

DRAWN BY: JHR
APPROVED BY: MGB
CHECKED BY: MGB
DATE: 2024.06.26

TITLE

SCHEDULES

PROJECT NO. 50180608

E-300

SHEET NO.

PANEL: MDP. Table with columns: CKT, Load Name, P, AF, AT, LINE, NEUT, EGC, COND SIZE, CONN kVA, A, B, C, A, B, C, CONN kVA, COND SIZE, EGC, NEUT, LINE, AT, AF, P, Load Name, CKT. Includes summary table for Load Classification, Connected Load, Demand Factor, Estimated Demand, and Panel Totals.

PANEL: A. Table with columns: CKT, Load Name, P, AF, AT, LINE, NEUT, EGC, COND SIZE, CONN kVA, A, B, C, A, B, C, CONN kVA, COND SIZE, EGC, NEUT, LINE, AT, AF, P, Load Name, CKT. Includes summary table for Load Classification, Connected Load, Demand Factor, Estimated Demand, and Panel Totals.

PANEL: A2. Table with columns: CKT, Load Name, P, AF, AT, LINE, NEUT, EGC, COND SIZE, CONN kVA, AMPS A, AMPS B, AMPS C, AMPS A, AMPS B, AMPS C, CONN kVA, COND SIZE, EGC, NEUT, LINE, AT, AF, P, Load Name, CKT. Includes summary table for Load Classification, Connected Load, Demand Factor, Estimated Demand, and Panel Totals.