

accent **graphics**
COMPLETE SIGN SERVICE & FABRICATION

June 19, 2025

To whom it may concern,

Regarding the building sign at:

Sherwin Williams
530 RITCHIE HWY
Severna Park, MD 21146

We are applying for a variance from the code below to be allowed to replace a sign that has been on the building for years and because of building construction, there is no alternative way to mount a sign.

Per the code ordinance listed below we are not allowed to have a sign that is sign is supported by poles, uprights, or braces extending from and attached to the roof of a structure:

In accordance with Article 18-3-303(b)(4), the following type of sign is prohibited: a sign that projects above the roof of a structure, a sign painted on the roof of a structure, and a sign supported by poles, uprights, or braces extending from or attached to the roof of a structure.

The proposed sign is supported by poles, uprights, or braces extending from and attached to the roof of a structure as that is the only way to attach the sign to the building because of the building construction

Sincerely,

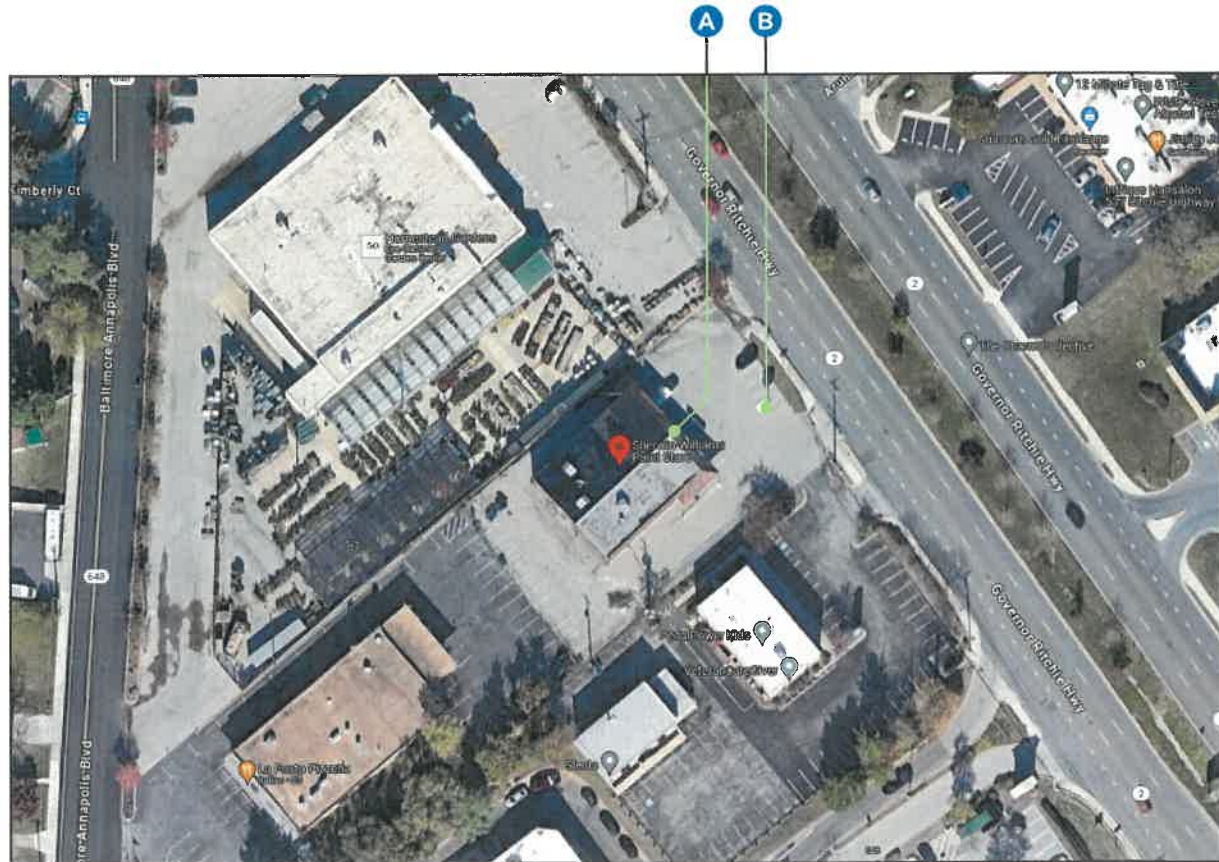


Danielle Manion
Accent Graphics, Inc.

523 East Rock Island Road Grand Prairie, TX 75050
(972) 399-0333 Fax (972)-986-4456
www.accentgraphicsinc.com

WALL & GROUND SIGN SCHEDULE

ID	DESCRIPTION	QTY	SQ FT
A	CH. LTRS. ON BACKER	1	90.0
B	POLE SIGN FACES/ REFURB	2	57.0
B	POLE SIGN CABINET	1	65.0



DATE	REVISIONS	NAME
-2022	X	X KD

AUTHORIZATION	
CLIENT	DATE
ACCOUNT EXECUTIVE	DATE
LANDLORD	DATE

This drawing is the exclusive property of Accent Graphics, Inc. and is the result of the original work of its employees. The plans are provided to your company for the sole purpose of considering the purchase of a sign manufactured by Accent Graphics, Inc. based on these plans. QTS the purchase of the plans and design concepts contained therein for manufacture elsewhere. Distribution or exhibition of the plans to anyone outside of your company or the use of the plans by others to manufacture or design a similar sign as displayed in the plans is expressly forbidden. In the event that such exhibition occurs, Accent Graphics will expect payment of a minimum \$2000 design fee in recompense for the time and effort entailed to produce the plans.

CLIENT	SHERWIN WILLIAMS	STORE #
INSTALLATION ADDRESS	530 RITCHIE HWY Severna Park , MD 21146	
DESIGNER	KD	ACCOUNT EXECUTIVE DM
DATE	01-03-2024	SHEET 7 OF 7 DESIGN # 231522-01
Gerber FILE =	Corel FILE =	

accent signs

COMPLETE SIGN SERVICE & FABRICATION

523 E. ROCK ISLAND
GRAND PRAIRIE, TX 75050

EMAIL
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[illegible]

SEVERNA PARK, MD 21146

PROJECT MANAGER ONYX CREATIVE 811 CROWNVIEW PARK DRIVE, SUITE 113 GLENVIEW, MD 21031 CONTACT: EDGARDA DAVID P: 410-227-7238 E: eda@onyxcreative.com	ENGINEERING ELECTRICAL CONTACT: RICHARD KUNPP E: rkunpp@verizon.com MECHANICAL CONTACT: MERTON HARRIS F: mharris@usnatural-constr.com FLUORBERG CONTACT: MERTON HARRIS C: mharris@usnatural-constr.com	PROJECT ENGINEER THE SHERRIN WILLIAMS COMPANY PSC 14500 SHERRIN DRIVON REAL ESTATE 7 CIGAR VALLEY PARKWAY SUITE #200 WILMINGTON, VA 20693 CONTACT: JOSHUA WANDERSON P: 484-813-2328 F: jswp@swilliams.com@sherrin.com OWNER/PROPERTY INFO KENNETH WISERKAL 561 BROADWATER ROAD ARNOLD, MD 21012 MWP-2025 GRID: 00X1 PARCEL: 0827 BUILDING AREA: 5,800 SF PROPERTY LAND AREA: 25.54 SF	JURISDICTION ANNE ARUNDEL COUNTY THE DEPARTMENT OF INSPECTIONS AND PERMITS 2554 RIVA ROAD, HERSTAGE OFFICE COMPLEX ANNAPOLIS, MD 21401 P: 410-207-7238 E: jbrake@accounty.org
ARCHITECT SCOTT LOBBLE 811 CROWNVIEW PARK DRIVE, SUITE 113 GLENVIEW, MD 21031 P: 410-227-7238 E: slobble@onyxcreative.com	ENGINEER (ELECT) BLUESCREEN CONSULTING 29201 EMERY ROAD, SUITE 403 CLEVELAND, OH 44128 CONTACT: RICHARD KUNPP P: 216-225-3200 E: rkunpp@bluescreen-consulting.com	ENGINEER (MECH & PLUMB) BLUESCREEN CONSULTING 29201 EMERY ROAD, SUITE 403 CLEVELAND, OH 44128 CONTACT: TERRY FRANGES P: 216-225-3200 E: tfrange@bluescreen-consulting.com	STRUCTURAL BLUESCREEN CONSULTING 29201 EMERY ROAD, SUITE 403 CLEVELAND, OH 44128 CONTACT: TERRY FRANGES P: 216-225-3200 E: tfrange@bluescreen-consulting.com

ARCHITECT	ENGINEER (ELECT)	ENGINEER (MECH & PLUMB)	STRUCTURAL
SCOTT LOBBLE 811 GLENDALE PARK DRIVE, SUITE 113 GLEN DALE, MD 20751 PH: 410-883-0019 E: lobble@jpsynet.com	BLUESTREAK CONSULTING 2801 PARKWAY ROAD, SUITE 405 CONTACT: RICHARD KNUFF PH: 212-222-1200 E: rknuff@bluestreakconsulting.com	BLUESTREAK CONSULTING 2801 PARKWAY ROAD, SUITE 405 CONTACT: RICHARD KNUFF PH: 212-222-1200 E: rknuff@bluestreakconsulting.com	BLUESTREAK CONSULTING 2801 PARKWAY ROAD, SUITE 405 CONTACT: TERRY FRANCES PH: 212-222-1200 E: tfrances@bluestreakconsulting.com

IS 'Big' needed? could trigger a thought of building review or unwanted scrutiny.

- We need confirmation this work / increased will not trigger any major work (over \$25,000)

		REVISIONS	
		DATE	BY
D001	COVER SHEET		
D002	COVER ANALYSIS & LIFE SAFETY PLAN		
D003	SITE PLAN		
ARCHITECTURAL			
D101	DEMOLITION PLAN		
D102	DEMOLITION REFLECTED CEILING PLAN		
A101	FLOOR PLAN		
A102	FIXTURE PLAN		
A103	REFLECTED CEILING PLAN		
A104	FINISH PLAN		
A105	ROOF PLAN		
A201	EXTERIOR ELEVATIONS		
A202	EXTERIOR ELEVATIONS		
A601	INTERIOR ELEVATIONS		
A601	DETAILS		
A601	DOOR & WINDOW SCHEDULES		
A601	SPECIFICATIONS		
A602	SPECIFICATIONS		
A603	SPECIFICATIONS		
A604	SPECIFICATIONS		
A605	SPECIFICATIONS		
A606	SPECIFICATIONS		
A607	SPECIFICATIONS		
A608	SPECIFICATIONS		
A609	SPECIFICATIONS		
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MECHANICAL			
M001	MECHANICAL DATA SHEET		
M002	MECHANICAL SCHEDULES & DETAILS		
M003	MECHANICAL DEMOLITION PLAN		
M101	MECHANICAL FLOOR PLAN		
M201	MECHANICAL SPECIFICATIONS		
PLUMBING			
P001	PLUMBING DATA SHEET		
P002	PLUMBING DETAILS & SCHEDULES		
P0101	PLUMBING SPECIFICATIONS		
P101	PLUMBING FLOOR PLAN		
P201	PLUMBING DEMOLITION PLAN		
ELECTRICAL			
E0101	ELECTRICAL DEMOLITION PLAN		
E101	ELECTRICAL LIGHTING PLAN		
E102	ELECTRICAL POWER PLAN		
E103	ELECTRICAL ROOF PLAN		
E104	ELECTRICAL RISER DIAGRAM & SCHEDULES		

[illegible][illegible]

ARCHITECT
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Glen Burnie, Maryland 21061
410.863.1302 ompscreative.com

SHERWIN WILLIAMS #5178
330 GOVERNOR RITCHIE HIGHWAY
SEVERNA PARK, MD 21146

G001

COVER SHEET

FIRE NOTES:

ILLUMINATED EXIT SIGNS SHALL BE PROVIDED THROUGHOUT THE BUILDING. ALL EXIT SIGNS SHALL HAVE BATTERY BACKUP.
THIS BUILDING SHALL BE PROVIDED WITH APPROVED BATTERY POWERED EMERGENCY LIGHTING TO ILLUMINATE ALL REQUIRED MEANS OF EGRESS.

DOORS SHALL BE ARRANGED TO BE OPENED EASILY FROM THE EGRESS SIDE WHENEVER THE BUILDING IS OCCUPIED. LOOKS, IF PROVIDED, SHALL NOT REQUIRE THE USE OF A KEY, A TOOL, OR SPECIAL KNOWLEDGE OR EFFORT FOR OPERATION FROM THE EGRESS SIDE.

EMERGENCY LIGHTING UNITS ARE TO BE WIRED INTO THE NORMAL LIGHTING CIRCUIT AND ARRANGED AS TO PROVIDE THE REQUIRED ILLUMINATION AUTOMATICALLY AT THE EVENT OF ANY INTERRUPTION OF NORMAL LIGHTING SUCH AS ANY FAILURE OF PUBLIC UTILITY OR OUTSIDE ELECTRICAL POWER SUPPLY, OPENING OF A CIRCUIT BREAKER OR FUSE, OR ANY MANUAL ACTION INCLUDING ACCIDENTAL OPENING OF SWITCH CONTROLLING NORMAL LIGHTING FACILITIES.

EVERY CLOSET DOOR LATCH SHALL BE SUCH THAT CHILDREN CAN OPEN THE DOOR FROM THE INSIDE OF THE CLOSETS.

EVERY BATHROOM DOOR LOCK SHALL BE DESIGNED TO PERMIT OPENING OF THE LOCKED DOOR FROM THE OUTSIDE IN A EMERGENCY. THE OPENING DEVICE SHALL BE READILY ACCESSIBLE TO ANYONE OUTSIDE THE DOOR.

THE ELEVATION OF THE FLOOR SURFACES ON BOTH SIDES OF A DOOR SHALL NOT VARY BY MORE THAN 1/2". THE ELEVATION SHALL BE MAINTAINED ON BOTH SIDES OF THE DOORWAY FOR A DISTANCE NOT LESS THAN THE WIDTH OF THE WICKET LEAF. THRESHOLDS AT DOORWAYS SHALL NOT EXCEED 1/4" IN HEIGHT. RAISED THRESHOLDS AND FLOOR LEVEL CHANGES IN EXCESS OF 1/4" SHALL BE BEVELED WITH A SLOPE OF NOT DEEPER THAN 1 IN 2.

LATCH OR OTHER FASTENING DEVICE ON A DOOR SHALL BE PROVIDED WITH A RELEASING DEVICE HAVING AN OBVIOUS METHOD OF OPERATION AND THAT IS EASILY OPERATED UNDER ALL LIGHTING CONDITIONS. THE RELEASING MECHANISM FOR ANY LATCH SHALL BE NOT LESS THAN 3/4" AND NOT MORE THAN 48" ABOVE FINISH FLOOR. DOORS SHALL BE OPERABLE WITH NOT MORE THAN ONE RELEASING OPERATION.

EVERY EXTERIOR AND INTERIOR WALL AND PARTITION SHALL BE FIRE STOPPED AT EACH FLOOR LEVEL, AT THE TOP STORY CEILING LEVEL AND AT THE LEVEL OF SUPPORT FOR ROOFS.

PORTABLE FIRE EXTINGUISHERS SHALL BE INSTALLED, INSPECTED, AND MAINTAINED IN ACCORDANCE WITH NFPA 10 STANDARD FOR PORTABLE FIRE EXTINGUISHERS.

GENERAL NOTES

- A. REFER TO CODE SUMMARY OR SHEET G003 FOR ADDITIONAL INFORMATION.
- B. REFER TO DOOR SCHEDULE ON SHEET A01 FOR EXIT, PARTITIONABLE & OPERABLE.
- C. REFER TO ELECTRICAL DRAWINGS FOR EXTINGUISHER & EMERGENCY LIGHT INFORMATION.

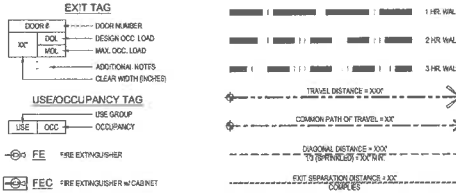
FIRE EXTINGUISHERS

- CLASS A HAZARD (COMBUSTIBLE)
 - MAXIMUM FLOOR AREA PER UNIT OF A = 1,500 SQ. FT. (EXAMPLE: 3A SHALL PROTECT 1,500 SQ. FT.)
- CLASS B HAZARD (FLAMMABLE)
 - MAXIMUM TRAVEL DISTANCE TO EXTINGUISHER = 30'
 - MAXIMUM TRAVEL DISTANCE TO 255 RATED EXTINGUISHER = 50'
- CLASS C HAZARD
 - REQUIRED WHERE ENERGIZING ELECTRICAL EQUIPMENT CAN BE DISCONNECTED
 - SHALL BE SIZED AND LOCATED ON THE BASIS OF CLASS A OR CLASS B HAZARD
- CLASS K HAZARD
 - REQUIRED WHERE THERE IS A POTENTIAL FOR FIRES INVOLVING COMBUSTIBLE COOKING MEDIA.
 - MAXIMUM TRAVEL DISTANCE TO EXTINGUISHER = 30'

GENERAL NOTES

- A. DESIGN CRITERIA PER APPLICABLE BUILDING/FIRE CODES AND NFPA 10.
- B. PROVIDE MINIMUM 2A-130 C EXTINGUISHERS AS INDICATED ON PLAN OR AS INDICATED BY ANAL.
- C. COORDINATE FINAL QUANTITIES, LOCATIONS AND INSTALLATION W/ ANAL.
- D. EXTINGUISHERS SHALL HAVE A CROSS HATCH NOT TO EXCEED 4 CLS.
- E. EXTINGUISHERS SHALL BE INSTALLED W/ TOP @ 7'-0" MAX. - 1/8" O.C.
- F. EXTINGUISHER CANNOT (WHERE OCCUR) SHALL BE INSTALLED W/ TOP OF CABINET @ 4'-0" MAX. - 1/8" O.C.

LEGEND

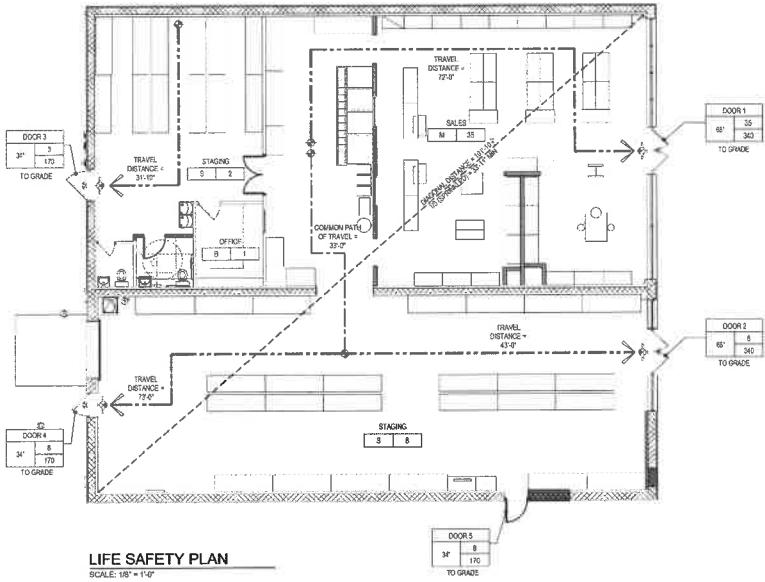


CODE SUMMARY

CRITERIA	REQUIREMENTS	IBC 2021
TYPE OF CONSTRUCTION	SB	IBC SECTION 602
NUMBER OF FLOORS	1	IBC SECTION 604
USE AND OCCUPANCY CLASSIFICATION: M (MERCANTILE) EXISTING - B (BUSINESS) EXISTING	M (MERCANTILE)	IBC SECTION 302
SPRINKLER SYSTEM (EXISTING IS NON-SPRINKLED) - NO CHANGE	NO	IBC SECTION 903
FIRE ALARM SYSTEM (EXISTING FIRE ALARM AT THE BANK WILL BE REMOVED)	NO	IBC SECTION 907
BUILDING AREA	5,500 SQ. FT.	
OCCUPANT LOAD CALCULATIONS (PER AREA)		
M: 237 SQ. FT. / 80 SQ. FT. PER OCCUPANT =	29 OCCUPANTS	IBC TABLE 1004.5
B: 100 SQ. FT. / 100 SQ. FT. PER OCCUPANT =	1 OCCUPANT	IBC TABLE 1004.5
B + M: 2,760 SQ. FT. / 230 SQ. FT. PER OCCUPANT =	12 OCCUPANTS	IBC TABLE 1004.5
TOTAL OCCUPANTS	48 OCCUPANTS	
EGRESS REQUIREMENTS (PER AREA)		
EGRESS WIDTH REQUIRED: 48 OCCUPANTS x 0.20' PER OCCUPANT =	9.6' REQUIRED	
EGRESS WIDTH PROVIDED: 1 DOOR x 36" = 3' CLEAR 1 DOOR x 36" = 3' CLEAR 2 DOOR x 36" = 6' CLEAR 2 DOOR x 36" = 6' CLEAR		
TOTAL EGRESS WIDTH PROVIDED:	26' PROVIDED (COMPLY)	IBC SECTION 1005.3.2
EXITS REQUIRED: PROVIDED	2/4	IBC TABLE 1006.2.1
MAXIMUM EXIT ACCESS TRAVEL DISTANCE: 16'-0"	REFER TO LIFE SAFETY PLAN (COMPLY)	IBC TABLE 1012.2
PLUMBING CALCULATIONS		
MALE: 25 OCCUPANTS / 250 GALLONS = 25 OCCUPANTS		IBC TABLE 1202.1
TOILETS: 1 HUB 300' LAYER: 1 PER 750		IBC TABLE 1202.1
SINGLE OCCUPANT RESTROOM FACILITY	2 TOILET: 2 LAV - 2 SINK (25 PROVIDED)	IBC 2902.2 ENCL. 4
DRINKING FOUNTAINS REQUIRED - 1 PER 1000 OCCUPANTS	2 REQD / 2 PROVIDED	ICC SECTION 419.3.1
SERVICE SINK REQUIRED - 1	1 PROVIDED	IBC TABLE 1202.1

APPLICABLE CODES

- 2021 INTERNATIONAL EXISTING BUILDING CODE (IEBC)
- 2021 INTERNATIONAL BUILDING CODE (IBC)
- 2019 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
- 2019 INTERNATIONAL MECHANICAL CODE (IMC)
- 2019 INTERNATIONAL PLUMBING CODE (IPC)
- 2019 INTERNATIONAL FUEL GAS CODE (IFGC)
- 2019 LIFE SAFETY CODE (NFPA 101)
- 2019 FIRE PREVENTION CODE (NFPA 1)
- 2019 NATIONAL ELECTRICAL CODE (NEC)



LIFE SAFETY PLAN
SCALE: 1/8" = 1'-0"

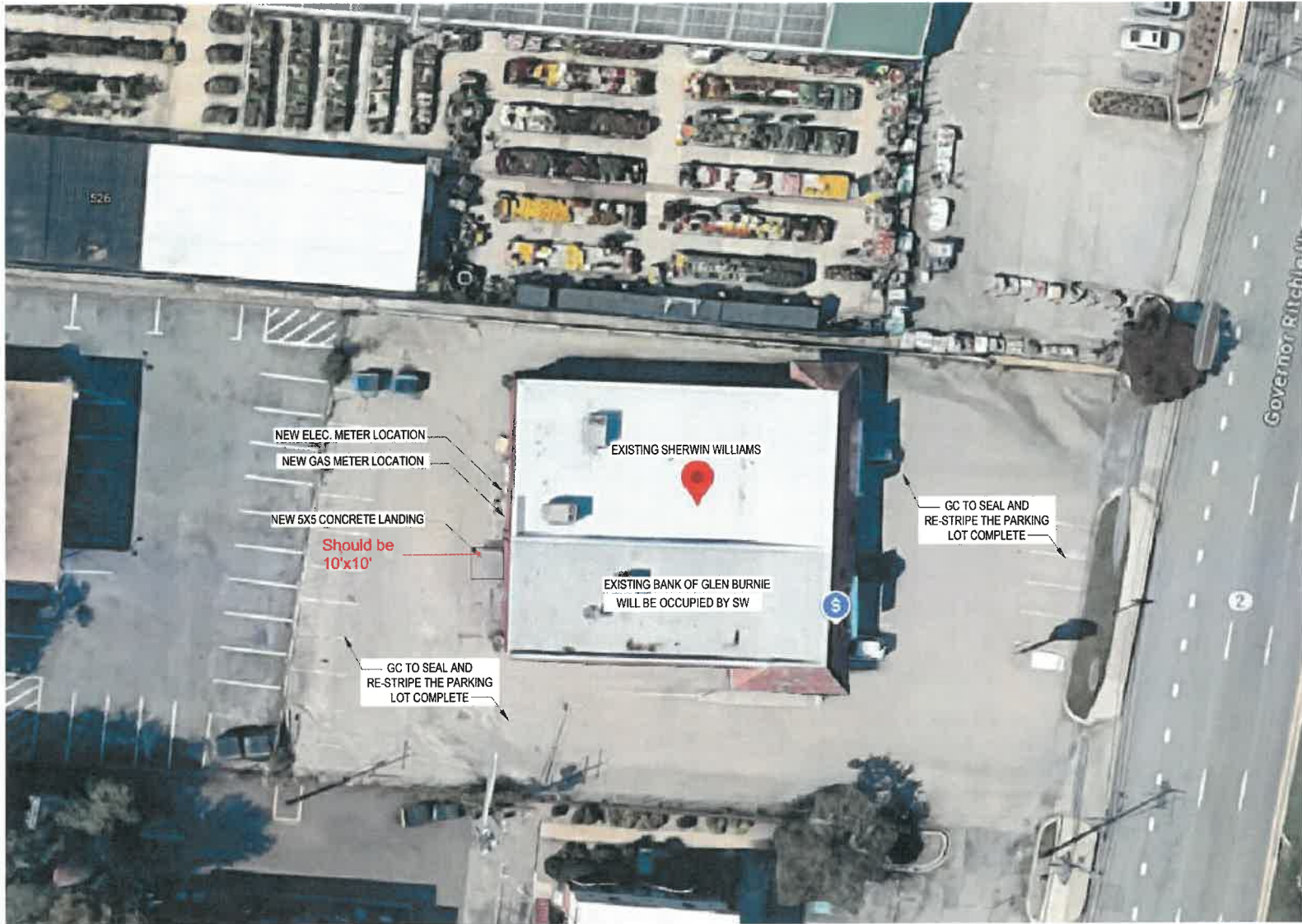
SCOTT ARCHITECT
LOBBE
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Crestview, Maryland 21117
410.583.1200
www.scottarchitect.com

Design and construction documents are to be used for the purpose of providing a general indication of the project and are not to be used for construction. The user of these documents is responsible for obtaining all necessary permits and for ensuring that the project complies with all applicable laws and regulations. The user of these documents is also responsible for ensuring that the project is completed in accordance with the design and construction documents.

SHERWIN WILLIAMS #5178
5300 GOVERNOR RITCHIE HIGHWAY
SEVENNA PARK, MD 21146

Project No.: 24-0774
Drawn By: JH
Date: 01-31-25
Issue: Permit Set

G002
CODE ANALYSIS & LIFE SAFETY PLAN



SITE PLAN
N.T.S.

1. VERIFY & COORDINATE CONCRETE PAD AS SHOWN
2. PROVIDE AND FINISH SMOOTH AND LEVEL CONCRETE LANDING FLOOR SLAB AS SHOWN
3. MINIMUM LOAD SHALL BE 100 POUNDS PER SQUARE FOOT.
4. CONCRETE SLAB SHALL BE 3500 PSI NORMAL WEIGHT CONCRETE, 4" THICK UNBARS WITH 6# W/ 18" ON 18" PLACED 1" MIN. THICK OF SLAB OVER 16-MIL VAPOR BARRIER OR 4" MINIMUM THICK WASHED CRUSHED STONE 1/2".
5. PROVIDE/INSTALL 1 1/2" TOPPING SLAB MINIMUM INSIDE THE ENTIRE SPACE.

Professional Certification (Architect)
I certify that these documents were prepared or approved by me, and
that I am a duly licensed architect under the laws of the State of
Maryland, license number 17348 expiration date 8/14/2026.



Design and construction documents are the mirror of a service and given in accordance with the property of the local market. The use of this design and construction documents for purposes other than the specific project would be an entirely different and not expressed in the content of the local market. ArchiCAD

SHERWIN WILLIAMS #5178
530 GOVERNOR RITCHIE HIGHWAY
SEVERNA PARK, MD 21146

Project No.:	24.0774
Drawn By:	JR
Date	Issue
01-31-25	Permit Set

A101

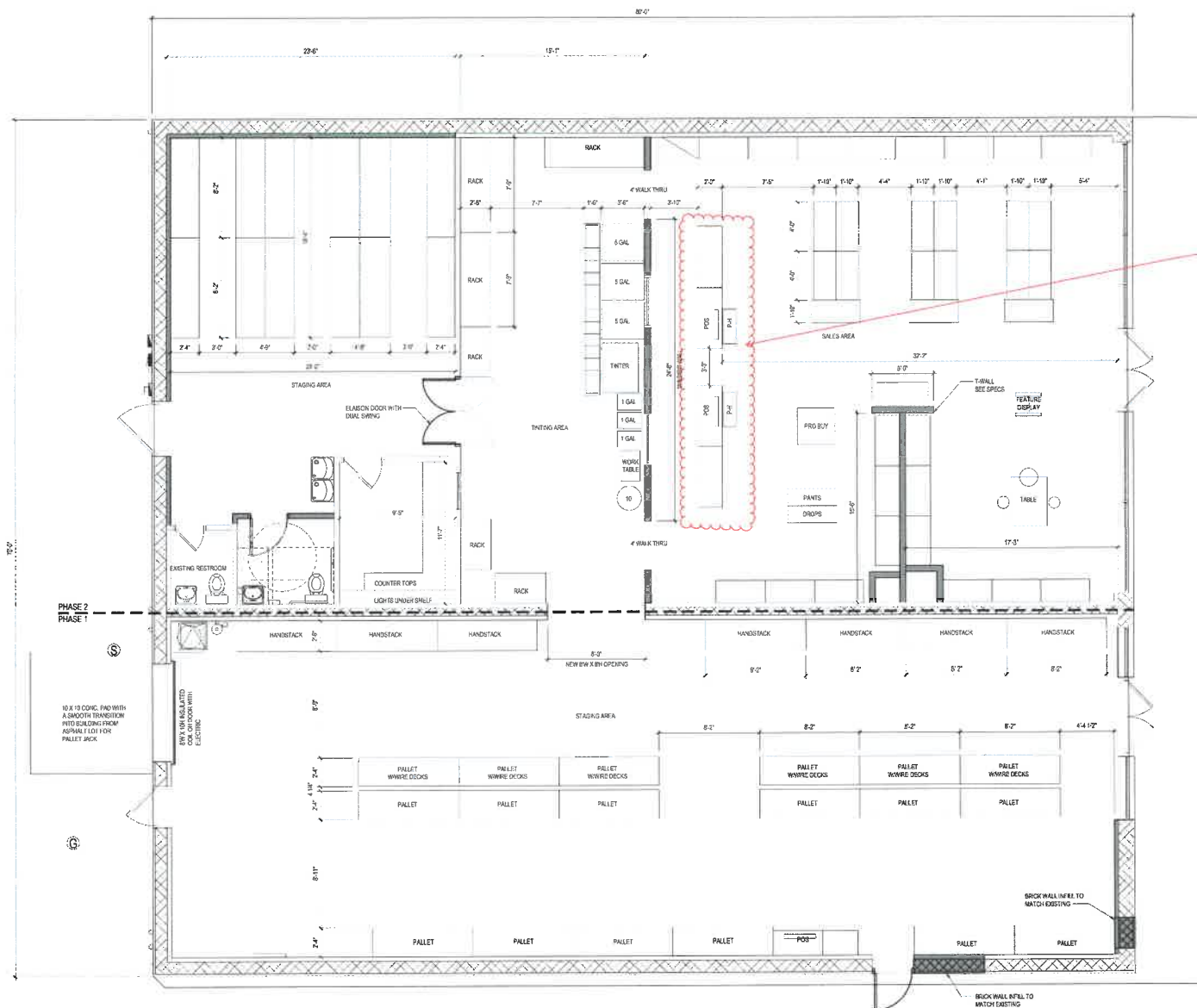
FLOOR PLAN

**SCOT
LOISELLE**
ARCHITECT
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SHERWIN WILLIAMS #5178
530 GOVERNOR RITCHIE HIGHWAY
SEVERNA PARK, MD 21146

A102

FIXTURE PLAN



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

SYMBOL	DESCRIPTION
	7x2 LED FIXTURE
	7x4 LED FIXTURE
	4'x8 LED STRIP
	EMERGENCY EXIT
	7x2 OFFUSER
	7x2 GRILLE
	PROXUST FAN
	EXTERIOR FLOOD LIGHTS
	PENDANT LIGHTS
	EASING-LOCK FIXTURE TO RECLAIM

This architectural floor plan illustrates the proposed lighting layout for a restaurant, divided into Phase 1 (the main dining area) and Phase 2 (the bar/lounge area). The plan includes various callouts for light fixture placement and specifications:

- Phase 1 Callouts:**
 - "REPAIR / REPLACE SCOFFIT LIGHTS AS NEEDED" (top right corner)
 - "SALE LED LIGHTS TO BE HUNG 12' APART" (main dining area)
 - "ROW OF PENDENT LIGHTS TO BE HUNG OVER SALES COUNTER" (along the central counter)
 - "ROW OF LED LIGHTS TO BE HUNG AT 7' AFF" (along the central counter)
 - "WAREHOUSE LED LIGHTS TO BE HUNG FROM BOTTOM OF BAR JOISTS" (multiple locations along the bottom wall)
 - "UNDERCABINET LIGHTS TO BE HUNG UNDER OFFICE SNEEK" (under the office partition)
- Phase 2 Callouts:**
 - "REUSE EXISTING LIGHT AFTER ABATEMENT" (near the entrance)
 - "REPAIR & REPLACE EXTERIOR FLOOR LIGHTS MIXED" (outside the building)
 - "REPAIR / REPLACE SCOFFIT LIGHTS AS NEEDED" (bottom right corner)

The plan also shows structural elements like walls, columns, and furniture such as tables, chairs, and a bar.

ARCHITECT
811 Cornwell Park Drive, Suite 113
Clen Burnie, Maryland 21031
410.863.1302 info.enr.com

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530 GOVERNOR RITCHIE HIGHWAY
SEVERNA PARK, MD 21146

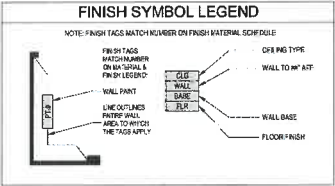
Project No.:	24.0774
Drawn By:	JH
Date	Issue
01-31-25	Permit Set

A103

REFLECTED CEILING PLAN

MATERIAL SCHEDULE

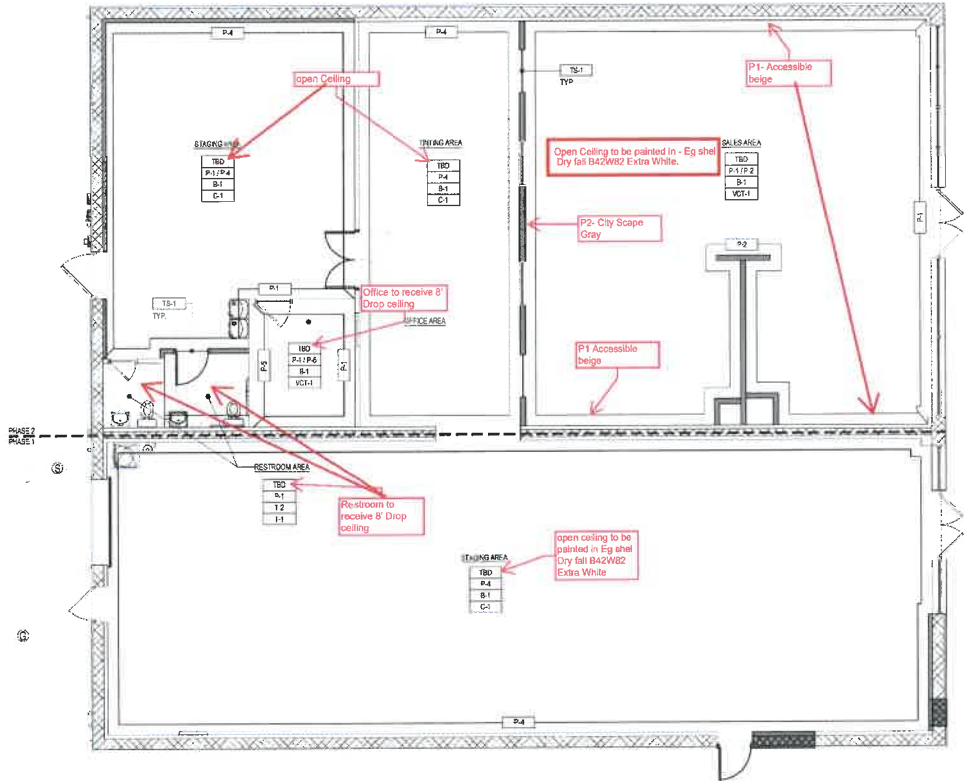
MATERIAL	SYMBOL	DESCRIPTION	NUMBER	COLOR	MFGR	COMMENTS
TILE	T-1	12" x 12" MATTE FINISH TILE - FLOOR	AR55	CASPER	DAL-TELE	ASHLAR PATTERN RESTROOM AREAS
	T-2	12" x 12" MATTE FINISH TILE - WALL	AR55	CASPER	DAL-TELE	ASHLAR PATTERN RESTROOM AREAS
	G-1	GROUT FOR TILE T-1	103	COBBLESTONE	NAMET	
GROUT	G-1	GROUT FOR TILE T-1	103	COBBLESTONE	NAMET	
VINYL COMPOSITION TILE	VCT-1	TEXTON - RESISTANT VINYL TILE - FLOOR	3035	DOLomite	PHILADELPHIA OH	ASHLAR PATTERN SALES & OFFICE AREAS
TRANSITION STRIP	TS-1	VINYL TRANSITION STRIP				MATCH DOCKE BASE COLOR
BASE	B-1	RUBBER DOCKE BASE				PARTITION WALLS ONLY. DO NOT INSTALL ON SHIMMERLESS TILE WALLS
CONCRETE	C-1	POLISHED CONCRETE				STAGING AREA
PAINT	P-1	INTERIOR PAINT	SW706	ACCESSIBLE BEIGE	SHERWIN WILLIAMS	
	P-2	INTERIOR PAINT	SW767	CITYSCAPE GRAY	SHERWIN WILLIAMS	
	P-3	INTERIOR PAINT	SW703	AESTHETIC WHITE	SHERWIN WILLIAMS	
	P-4	INTERIOR PAINT		EXTRA WHITE	SHERWIN WILLIAMS	
	P-5	INTERIOR PAINT		DRY BRUSH OILY EN	SHERWIN WILLIAMS	



Professional Certification (Architect)
I hereby certify that these documents were prepared or approved by me, and
I am a duly Licensed Architect, under the laws of the State of
Maryland, License Number 17288 expiring date 01/01/2025

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FINISH PLAN
SCALE: 3/16" = 1'-0"

SHERWIN WILLIAMS #5178
530 GOVERNOR RITCHIE HIGHWAY
SEVERNA PARK, MD 21148

Project No.: 24.0774
Drawn By: JH
Date: 01-31-25
Issue: Permit Set

A104

FINISH PLAN

(F) GUTTER

RTU# 2 YORK
MODEL: 2750N182A1AA1A2
Year Bldg: 2012
7.5 TONS

ALL HVAC ROOFTOP UNITS WILL REMAIN
AS IS, GC TO REPAIR IF NEEDED FOR GOOD
WORKING ORDER.

RTU# 1 YORK
MODEL: 2750N182A1AA1A2
Year Bldg: 2012
7.5 TONS

RTU# 3 CARRIER
MODEL: 48CCED124HAGDQ
Year Bldg: 2015
10 TONS

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

Professional Certification (Architect)
I certify that these documents were prepared or approved by me, and
that I am a duly licensed architect under the laws of the State of
Maryland, license number: 17568 expiration date: 04/01/2024

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specified. Any other use without the written
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not be responsible for any errors or
omissions.

SHERWIN WILLIAMS #5178
530 GOVERNOR RITCHIE HIGHWAY
SEVERNA PARK, MD 21146

Project No.: 24.0774
Drawn By: JH
Date: 01-31-25
Issue: Permit Set

A105
ROOF PLAN

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**SCOT
LOISELLE**

ARCHITECT

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SHERWIN WILLIAMS #5178
530 GOVERNOR RITCHIE HIGHWAY
SEVERNA PARK, MD 21148



A201

EXTERIOR ELEVATIONS

Professional Certification (Notarized)
I certify that these documents were prepared or approved by me, and
that I am a duly licensed architect under the laws of the State of
Maryland, license number: 17046, expiration date: 01/01/2025

SCOT
LOISELLE
ARCHITECT

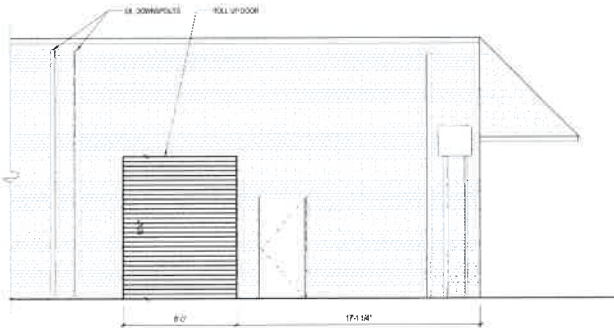
Design and construction documents for
buildings of various types are shown for
preparation of permit for building, and
other construction documents. The design
and construction documents are prepared
for the project owner and are not to be
used for any other purpose without the
written consent of the architect.

SHERWIN WILLIAMS #5178
530 GOVERNOR RITCHIE HIGHWAY
BEVERLY PARK, MD 21115

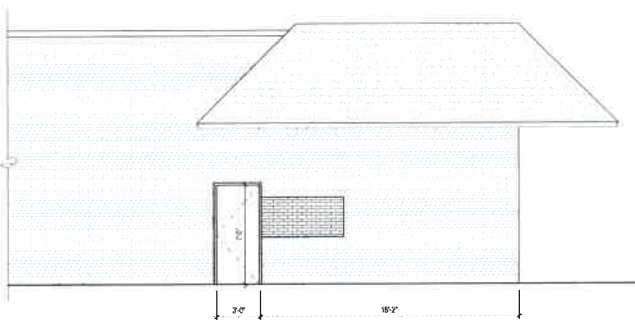
Project No.: 24-0774
Drawn By: JH
Date: 01-31-25
Issue: Permit Set

A202

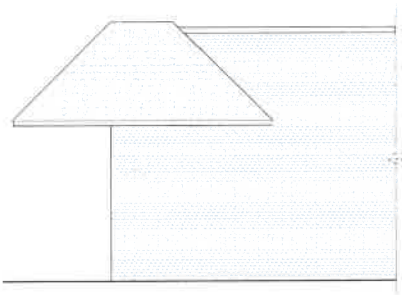
EXTERIOR ELEVATIONS



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



2 PARTIAL ELEVATION
SCALE: 1/4" = 1'-0"



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

Professional Certification (Architect)
 I certify that these documents were prepared or approved by me, and
 that I am a duly Licensed Architect within the State of Maryland. License Number: 17708 Expiration Date: 06/30/2026

ACCESSORY SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	NUMBER	MOUNTING HT	NOTE
1	WALL MOUNTED MIRROR	BRIDGES	8-100	31" TO 32" HIGH	MIRROR MOUNTED
2	TOILET PAPER HOLDER	BRIDGES	8-100	48" TO 54" HIGH	MIRROR MOUNTED
3	TOILET PAPER HOLDER	BRIDGES	8-100	48" TO 54" HIGH	MIRROR MOUNTED
4	TOILET PAPER HOLDER	BRIDGES	8-100	48" TO 54" HIGH	MIRROR MOUNTED
5	TOILET PAPER HOLDER	BRIDGES	8-100	48" TO 54" HIGH	MIRROR MOUNTED
6	TOILET PAPER HOLDER	BRIDGES	8-100	48" TO 54" HIGH	MIRROR MOUNTED
7	TOILET PAPER HOLDER	BRIDGES	8-100	48" TO 54" HIGH	MIRROR MOUNTED
8	TOILET PAPER HOLDER	BRIDGES	8-100	48" TO 54" HIGH	MIRROR MOUNTED
9	TOILET PAPER HOLDER	BRIDGES	8-100	48" TO 54" HIGH	MIRROR MOUNTED
10	TOILET PAPER HOLDER	BRIDGES	8-100	48" TO 54" HIGH	MIRROR MOUNTED
11	TOILET PAPER HOLDER	BRIDGES	8-100	48" TO 54" HIGH	MIRROR MOUNTED
12	TOILET PAPER HOLDER	BRIDGES	8-100	48" TO 54" HIGH	MIRROR MOUNTED
13	TOILET PAPER HOLDER	BRIDGES	8-100	48" TO 54" HIGH	MIRROR MOUNTED
14	TOILET PAPER HOLDER	BRIDGES	8-100	48" TO 54" HIGH	MIRROR MOUNTED
15	TOILET PAPER HOLDER	BRIDGES	8-100	48" TO 54" HIGH	MIRROR MOUNTED
16	TOILET PAPER HOLDER	BRIDGES	8-100	48" TO 54" HIGH	MIRROR MOUNTED
17	TOILET PAPER HOLDER	BRIDGES	8-100	48" TO 54" HIGH	MIRROR MOUNTED
18	TOILET PAPER HOLDER	BRIDGES	8-100	48" TO 54" HIGH	MIRROR MOUNTED
19	TOILET PAPER HOLDER	BRIDGES	8-100	48" TO 54" HIGH	MIRROR MOUNTED
20	TOILET PAPER HOLDER	BRIDGES	8-100	48" TO 54" HIGH	MIRROR MOUNTED

RESTROOM ACCESSORIES GENERAL NOTES:

1. ACCESSORIES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING NOTES:

RESTROOM FIXTURE GENERAL NOTES:

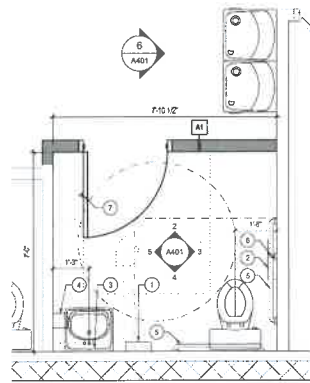
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2. TOILET PAPER SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING NOTES:
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19. TOILET PAPER SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING NOTES:
20. TOILET PAPER SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING NOTES:

CODE COMPLIANCE PER FIXTURE - ADA / ICCANSI A117.1

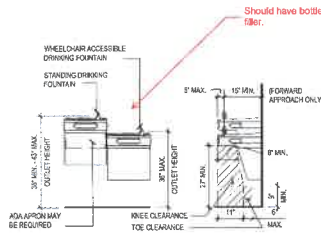
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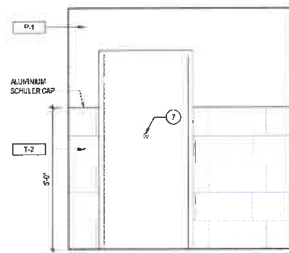
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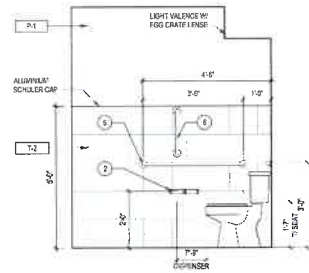
1 ENLARGED FLOOR PLAN
 SCALE: 1/2" = 1'-0"



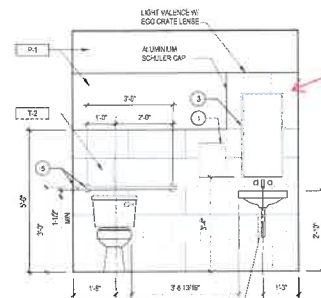
6 TYPICAL DRINKING FOUNTAIN ELEVATION
 SCALE: 1/2" = 1'-0" ICCANSI A117.1-2017



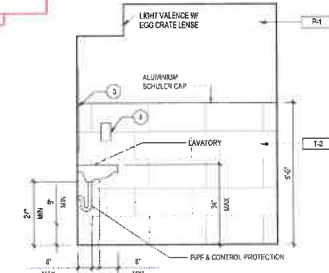
2 RESTROOM ELEVATION
 SCALE: 1/2" = 1'-0"



3 RESTROOM ELEVATION
 SCALE: 1/2" = 1'-0"



4 RESTROOM ELEVATION
 SCALE: 1/2" = 1'-0"



5 RESTROOM ELEVATION
 SCALE: 1/2" = 1'-0"

SCOTT ARCHITECT
 LOISELLE

SHERWIN WILLIAMS #5178
 5300 GOVERNOR RITCHIE HIGHWAY
 SEVERNA PARK, MD 21146

Project No.: 21-0774
 Drawn By: JH
 Date: 01-31-25
 Issues: Permit Set

A401

INTERIOR ELEVATIONS

Professional Certification (Architect)
I certify that these documents were prepared or approved by me, and that I am a duly licensed architect under the laws of the State of Maryland, license number: 17299, expiration date: 01-01-2028

SCOTT
LOISELLE
ARCHITECT

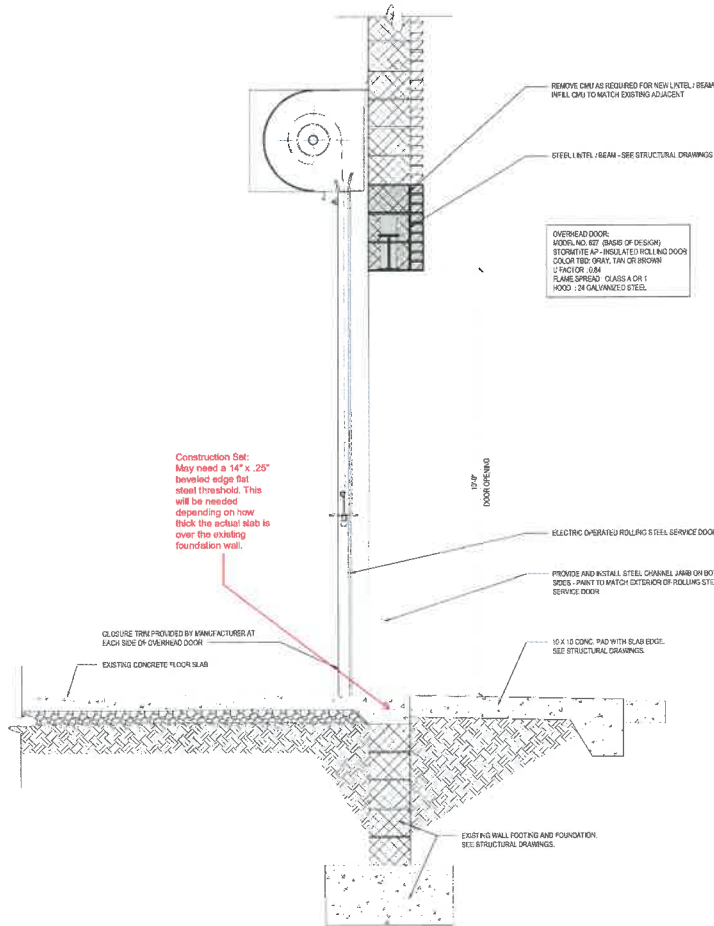
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SHERWIN WILLIAMS #5178
530 GOVERNOR RITCHIE HIGHWAY
SEVERNA PARK, MD 21146

Project No.: 24-0774
Drawn By: JH
Date: 01-31-25
Issue: Permit Set

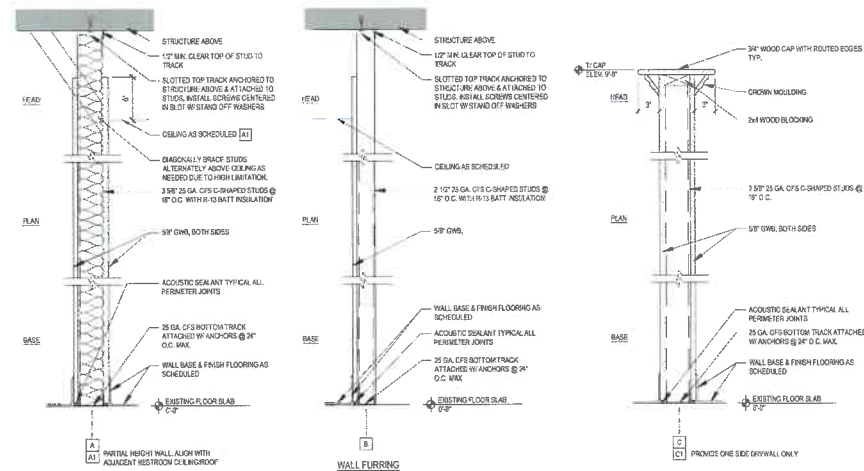
A501

DETAILS



1 SECTION @ OVERHEAD DOOR

SCALE: 3/4\"/>



2 PARTITION TYPES

SCALE: 3/4\"/>

HARDWARE

SET #1 (EXT)

- 1 1/2 PAIR BUTT HINGES, ANSI 156.1, A8111, HANGER B81158 (ANSI A8111 / B81158) @ EXTERIOR
- CLOSER, ANSI A156.4, GRADE 1, LON 4000 SERIES (PARALLEL ARM)
- COCKLEALED VERTICAL ROD PUSH BAR DEVICE, W/ "EXIT ONLY" THRU FUNCTION, VON DOPPIN BURNES 96, ANSI A156.3, GRADE 1, 5.5 PH
- WALL STOP, ANSI A156.158-158A L12101, CLYNN JOHNSON SOC
- THRESHOLD (MAX 1/2" H), WEATHERSTRIP PACKAGE (ASTRALAL, JAMBS AND HEAD AND BOTTOM SWEEP)
- 150 DEGREE DOOR VIEWER - MOUNT @ 57" AFF
- 6" KICK PLATE ON PUSH SIDE

SET #2 (COOLING DOOR) - ELECTRIC MOTOR SUPPLIED BY MANUFACTURER

SET #3 (PRIVACY RESTROOM)

- 1 1/2 PAIR BUTT HINGES, ANSI 156.1, A8111, HANGER B81158 (ANSI A8111 / B81158) @ EXTERIOR
- CLOSER, ANSI A156.4, GRADE 1, LON 4000 SERIES (PARALLEL ARM)
- PRIVACY LOCKSET, ANSI A156.3, 5000 SERIES, GRADE 1, FTS FUNCTION
- WALL STOP, ROCKWOOD R8800-LS250
- 6" KICK PLATE ON PUSH SIDE

SET #4 (STOREROOM - PARK)

- FLUSH DOOR HARDWARE - BY DOOR MANUFACTURER
- DOUBLE SWING HINGES
- 12" x 4" (DOOR WIDTH - 27" H) STAINLESS STEEL KICK PLATE (PUSH SIDE), ANSI A156.4, HANGER 1555
- FLOOR STOP, ANSI A156.158-158A L2101, ROCKWOOD 4414-LS250

HARDWARE NOTES:

ALL HANDLES, PULL LATCHES, LOCKS AND OTHER OPERATING DEVICES ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRIPPING, FINGER OR TWISTING TO OPERATE.

MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED FIVE (5) POUNDS, PUSH & PULL.

HARDWARE FOR PAIRS OF DOORS IS FOR EACH LEAF, UNLESS NOTED.

GLAZING

- INSULATED GLAZING UNITS, LOW E, TYPE SG-4 - ASTM E774 AND E775 DOUBLE PANE WITH GLASS ELASTOMER FOAM SEAL, OUTER PANE OF CLEAR GLASS, INNER PANE OF LOW E CLEAR GLASS OR CLEAR COLORED GLASS.
- INSULATED GLAZING SHALL HAVE THE FOLLOWING CHARACTERISTICS/PROPERTIES:
 - "U" FACTOR FOR DOOR IS 4.061
 - "U" FACTOR FOR GLAZING UNITS IS 4.538
 - "U" FACTOR FOR GLAZING UNITS IS 4.046
 - SHADE COEFFICIENT/SOLAR HEAT GAIN COEFFICIENT (SHGC) IS 0.38
 - AIR AND WATER VAPOR RATE FOR WINDOWS SHALL NOT EXCEED 0.0075 CFM/FT² AT A STATIC PRESSURE DIFFERENCE OF 0.24 PSF
 - AIR INFILTRATION RATE FOR DOORS SHALL NOT EXCEED 0.05 CFM/FT² AT A STATIC PRESSURE DIFFERENCE OF 0.24 PSF
- "U" FACTOR AND SHGC FOR EACH GLAZED PENETRATION PRODUCT (DOOR, WINDOW, SIDE LIGHT) SHALL BE DETERMINED IN ACCORDANCE WITH THE NATIONAL EVALUATION RATING COUNCIL (NFRC) 100-1 "PROCEDURE FOR DETERMINING PENETRATION PRODUCT U-FACTOR" AND NFRC 100-1 "PROCEDURE FOR DETERMINING PENETRATION PRODUCT SOLAR HEAT GAIN COEFFICIENTS AND VISIBLE TRANSMITTANCE AT NORMAL INCIDENCE"
- THICKNESS TO BE 1" (INNER PANE 1/4", OUTER PANE 1/4") UNLESS NOTED OTHERWISE ON PLANS.
- PROVIDE TEMPERED (SAFETY) GLASS UNITS WHERE INDICATED WITH A "T" ON ELEVATION OR AS REQUIRED BY JURISDICTIONAL CODES. PROVIDE INSULATED GLASS UNITS WHERE INDICATED WITH A "U" ON ELEVATIONS.
- GLAZING SHOULD MEET THE MINIMUM REQUIREMENTS FOR DEFLECT UNDER ACTIVE E1300 "STANDARD PRACTICE FOR DETERMINING LOAD RESISTANCE OF GLASS IN BUILDINGS"

DOOR SCHEDULE

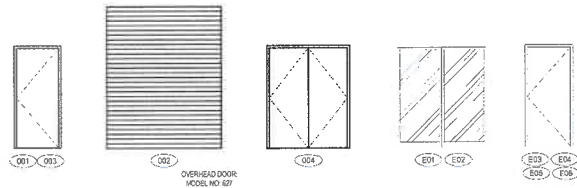
NO.	DOORS				FRAMES		FIRE RATING	HARDWARE	COMMENTS
	TYPE	DESCRIPTION	SIZE	FINISH	MATERIAL	FINISH			
001	EXTERIOR	FLUSH DOOR	3'-0" x 7'-0"	HM	HM	---	---	SET #1	---
002	OVERHEAD	ELECTRIC COIL INSULATED DOOR	8'-0" x 10'-0"	---	---	---	---	SET #1	---
003	INTERIOR	FLUSH DOOR	3'-0" x 7'-0"	---	SOLID CORE WOOD	HM	---	SET #3	---
004	INTERIOR	ELIATION DOUBLE SWING DOOR, FLUSH	3'-4" x 7'-0"	---	HCP-13	---	---	SET #4	ANTIQUE WHITE COLOR
E01	EXISTING	STOREFRONT DOOR	6'-3" x 7'-0"	---	---	---	---	---	EXISTING TO REMAIN
E02	EXISTING	CURTAIN WALL DOOR	6'-0" x 7'-0"	---	---	---	---	---	EXISTING TO REMAIN
E03	EXISTING	METAL FLUSH DOOR	3'-0" x 7'-0"	---	---	---	---	---	EXISTING TO REMAIN
E04	EXISTING	METAL FLUSH DOOR	3'-0" x 7'-0"	---	---	---	---	---	EXISTING TO REMAIN
E05	EXISTING	METAL FLUSH DOOR	3'-4" x 7'-0"	---	---	---	---	---	EXISTING TO REMAIN
E06	EXISTING	METAL FLUSH DOOR	3'-0" x 7'-0"	---	---	---	---	---	EXISTING TO REMAIN

- ALL WOOD OR METAL DOORS TO SET #4 MONOPATE ON PUSH SIDE. STOREFRONT DOORS TO RECEIVE CRASH BARS TO PROTECT GLASS UP 10"
- ALL DOORS EXCEPT STOREFRONT TO BE REPAINTED AND EXISTING IN GOOD WORKING ORDER

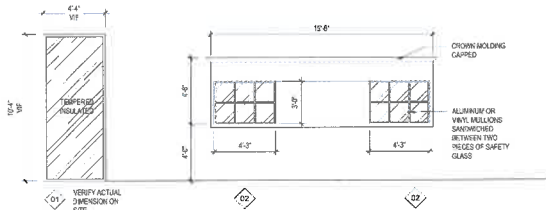
WINDOW SCHEDULE

TAG	QTY	WINDOW				DETAIL		COMMENTS
		DESCRIPTION	ELL. HT.	WIDTH	HEIGHT	SILL	HEIGHT	
01	1	INSULATED-TEMPERED	---	6'-4"	10'-4"	---	---	---
02	2	INTERIOR USE	4'-0"	6'-3"	3'-0"	---	---	INSULATED WITH VINYL OR ALUMINUM MULLION

DOOR & FRAME TYPES



WINDOW & FRAME TYPES



Professional Certification (Architect)
I certify that these documents were prepared or approved for me, and that I am a duly licensed architect under the laws of the State of Maryland, license number: 17588, project number: 24-0774.

SCOTT ARCHITECT
LOISELLE

10100 Corner Park Drive, Suite 113
Glen Burnie, Maryland 21061
410.393.1302 scott@scottarchitect.com

SHERWIN WILLIAMS #5178
5300 GOVERNOR RITCHIE HIGHWAY
SEVERNA PARK, MD 21146

Project No.: 24-0774
Drawn By: JH
Date: 01-31-25
Permit Set

A601

DOOR & WINDOW
SCHEDULES

1. DEMOLISH AND REMOVE DOOR AND ASSOCIATED DOOR HARDWARE
2. DEMOLISH AND REMOVE WALL AND ASSOCIATED STUDS UP TO 6'-0" TO ACCOMMODATE NEW WINDOW.
3. DEMOLISH AND REMOVE LIGHTING FIXTURES.
4. PLUMBING FIXTURES TO REMAIN & BE RE-USED AFTER ABATEMENT

1. GC MUST HIRE ARCADIS FOR SPD PARTY OVERSIGHT, AIR SAMPLES AND DOCUMENTATION.
CONTACT: MICHAEL ORLOA
ASSOCIATE VICE PRESIDENT
ARCADIS J.S., INC.
C - 1 781 267 7436 | M + 1 517 596 0821
E - michael.orloa@arcadis.com
2. COORDINATE PLUMBING FIXTURES WITH ABATEMENT CONTRACTOR
REMOVE AND REPLACE EXISTING PLUMBING FIXTURES IN THE SAME
PLACE IF NECESSARY.

Professional Certification (Architect)
I certify that these documents were prepared or approved by me, and
that I am a duly licensed architect under the laws of the State of
Maryland, license number 17948, expiration date 8/31/2026.

**SCOT
LOISELLE** ARCHITECT

811 Cromwell Park Drive, Suite 113
Glen Burnie, Maryland 21061
410.963.1022 www.scotloiselle.com

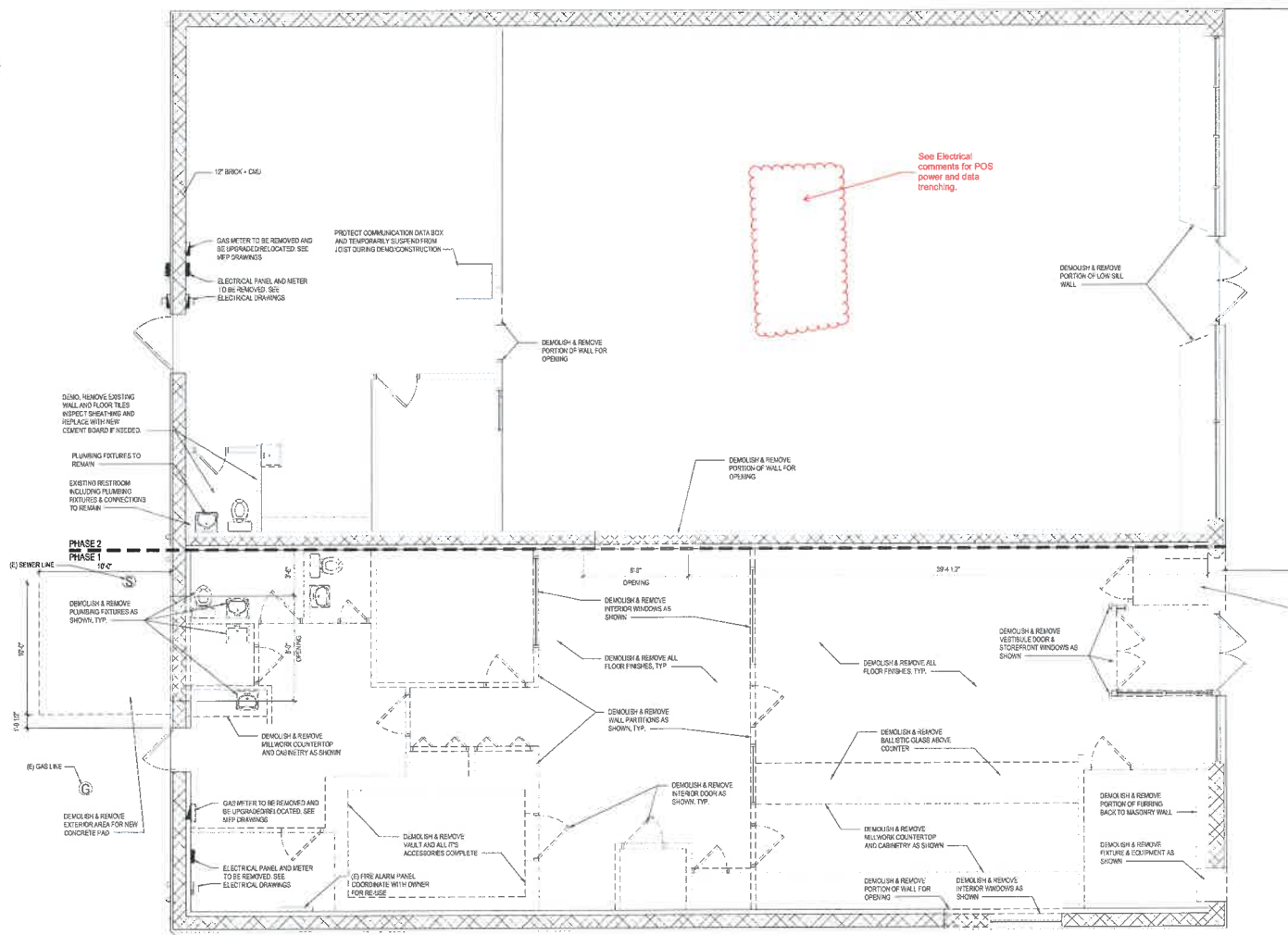
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SHERWIN WILLIAMS #5178
330 GOVERNOR RITCHIE HIGHWAY
SEVERNA PARK, MD 21146

Project No.:	24.077
Drawn By:	J
Date	Issue
01-31-25	Permit Set

D101

DEMO LITION PLAN



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

1 DEMOLISH AND REMOVE DOOR AND ASSOCIATED DOOR HARDWARE

3. DEMOLISH AND REMOVE LIGHTING FIXTURES, TYP. OF 3.

Professional Certification (Architect)
I certify that these documents were prepared or approved by me, and that I am a duly licensed architect under the laws of the State of Maryland, license number 17049, expiration date 8/14/2029.

design and construction documents is estimated to average one year in 2014, according to a report by the Property Classification Committee. Architects, through the design and build construction process, are expected to offer the speed and project control needed to study and construct schools designed within a range of 200 to 300 seats. Architects, according

Project No.:	24.0774
Drawn By:	JH
Date	Issue
01-31-25	Permit Set

DEMO LITION RCP



SECTION 07 2100 – THERMAL INSULATION

1.01 SECTION INCLUDES:

- A. Board insulation and integral vapor retarder cavity wall construction, perimeter foundation wall, underlaid of floor slabs, and as indicated on drawings.
- B. Batt insulation and vapor retarder in exterior wall, ceiling, and roof construction.
- C. Batt insulation for filling perimeter windows and door slab spaces and cracks in exterior wall and roof.

1.02 SUBMITTALS:

- A. Product Data: Provide data on product characteristics, performance criteria, and product limitations.
- 1.03 FIELD CONDITIONS
- A. Do not install insulation adhesives when temperature or weather conditions are detrimental to successful installation.

2.01 APPLICATIONS:

- A. Insulation Under Concrete Slabs: Extruded polystyrene (XPS) board.
- B. Insulation at Perimeter of Foundation: Extruded polystyrene board.
- C. Insulation Inside Masonry Cavity Walls: Extruded polystyrene (XPS) board.
- D. Insulation in Metal Frame Walls: Batt insulation with specified vapor retarder.

2.02 FORM BOARD INSULATION MATERIALS:

- A. Extruded Polystyrene (XPS) Board Insulation: Comply with ASTM C578 with either natural skin or cut cell surfaces.
- 1. Flame Spread Index (FSI): Class A – 0 to 25, when tested in accordance with ASTM E84.
- 2. Smoke Developed Index (SDI): 450 or less, when tested in accordance with ASTM E84.
- 3. Type and Thermal Resistance, R-value: Type IV, 5.0 (R8), minimum, per 1 inch thickness at 75 degrees F mean temperature.

2.03 MINERAL FIBER BLANKET INSULATION MATERIALS:

- A. Flexible Glass Fiber Blanket Thermal Insulation: Performed insulation, complying with ASTM C662; friction fit.
- 1. Flame Spread Index: 25 or less, when tested in accordance with ASTM E84.
- 2. Smoke Developed Index: 450 or less, when tested in accordance with ASTM E84.
- 3. Combustibility: Non-combustible, when tested in accordance with ASTM E136, except for facing, if any.
- 4. Formaldehyde Content: Zero.
- 5. Facing: Unfaced.
- a. In Climate Zones 4c and above, where a separate vapor retarder is being used.
- b. In Climate Zones 1, 2, 3, 4c and 4b; where no vapor retarder is required.
- 6. Facing: Asphalt treated Kraft paper, or aids.
- a. In Climate Zones 4c and above, where a vapor retarder is required.
- b. Facing can not be exposed.

2.04 ACCESSORIES:

- A. Sheet Vapor Retarder: Polyethylene film with variable vapor permeability based on ambient humidity. Permeance of 1 perm or less by the dry cup method, increasing to 10 perms by the wet cup method. Tissue scored roofing of 25 or less, when tested in accordance with ASTM F94.
- B. Tape joints of rigid insulation in accordance with roofing and insulation manufacturers' instructions.
- C. Insulation Fasteners: Length of unfinished, 13 gauge, 0.072 high carbon spring steel with colored or mineral lips, held in place by friction, length to suit insulation thickness and substrate, capable of securely supporting insulation in place.
- D. Insulation Fasteners: Insulating clip of unfinished steel with washer retainer and clip, to be adhered to substrate to receive insulation, length to suit insulation thickness and substrate, capable of securely and rigidly fastening insulation in place.
- E. Adhesive: Type recommended by insulation manufacturer for application.

3.01 EXAMINATION:

- A. Verify that substrate, adjacent materials, and insulation materials are dry and that substrates are ready to receive insulation.
- B. Verify substrate surfaces are flat, free of honeycomb, fine, irregularities, or materials or substances that may impede adhesive bond.

3.02 BOARD INSTALLATION AT FOUNDATION PERIMETER:

- A. Install boards vertically on foundation perimeter.
- 1. Install in running bond pattern.
- 2. Butt edges and ends tightly to adjacent boards and to protrusions.
- B. Cut and fit insulation tightly to protrusions or interruptions to the insulation plane.

3.03 BOARD INSTALLATION CONTINUOUS ON INTERIOR AT EXTERIOR WALLS:

- A. Install rigid insulation directly to concrete or masonry with manufacturer recommended adhesive. Tape all joints with manufacturer's minimum 4 inch wide sealer tape; comply with ASTM E2357.
- 1. Three continuous bonds are board length.
- B. Install rigid insulation directly to steel studs with manufacturer recommended mechanical fasteners. Tape all joints with manufacturer's 4 inch wide sealer tape; comply with ASTM E2357.
- C. Install boards vertically on walls.
- 1. Place boards to maximize adhesive contact.
- 2. Install in running bond pattern.
- 3. Butt edges and ends tightly to adjacent boards and to protrusions.
- D. Extend boards over expansion joints, unsealed to wall on one side of joint.

3.04 BOARD INSTALLATION AT CAVITY WALLS:

- A. Install boards to fit snugly between wall fies.
- B. Install boards horizontally on walls.
- 1. Install in running bond pattern.
- 2. Butt edges and ends tightly to adjacent boards and protrusions.
- C. Cut and fit insulation tightly to protrusions or interruptions to the insulation plane.

3.05 BOARD INSTALLATION UNDER CONCRETE SLABS:

- A. Place perimeter insulation under slabs on grade after base for slab has been completed.
 - B. Cut and fit insulation tightly to protrusions or interruptions to the insulation plane.
 - C. Prevent insulation from being displaced or damaged while placing vapor retarder and placing slab.
- 3.06 BATT INSTALLATION:
- A. Install insulation and vapor retarder in accordance with manufacturer's instructions.
 - B. Install in exterior wall, roof, and ceiling spaces without gaps or voids. Do not compress insulation.
 - C. Fill insulation neatly to fit spaces. Insulate miscellaneous gaps and voids.
 - D. Fit insulation tightly in cavities and tightly to exterior side of mechanical and electrical services within the plane of the insulation.
 - E. Install with factory applied vapor retarder membrane facing warm side of wall assembly. Lap ends and side (longest) of membrane over framing members.
 - F. Tape seal butt ends, lapped flanges, and tears or cuts in membrane.
 - G. Place Sheet Vapor Retarder on warm side of insulation; lap and seal sheet retarder joints with member face.
 - H. Tape seal tears or cuts in vapor retarder.
 - I. Extend vapor retarder membrane tightly to full perimeter of adjacent window and door frames and other items interrupting the plane of the membrane. Tape seal in place.

3.07 PROTECTION:

- A. Do not permit installed insulation to be damaged prior to its concealment.

SECTION 07 3113 – ASPHALT SHINGLES

1.01 SECTION INCLUDES:

- A. Asphalt single roofing.
- B. Flexible sheet membranes for eave protection, underlayment, and valley protection.
- C. Flashing.

1.02 SUBMITTALS:

- A. Product Data: Provide data indicating material characteristics, performance criteria, and limitations.
- B. Samples: Submit two samples of each shingle color indicating color range and finish texture/pattern.

1.03 QUALITY ASSURANCE:

- A. Manufacturer Qualifications: Company specializing in the manufacture of roofing systems similar to those required for this project, with not less than 5 years of experience.
- 1.04 DELIVERY, STORAGE, AND HANDLING
- A. Deliver and store materials with labels intact in manufacturer's unopened packaging until ready for installation.
- B. Protect materials from harmful environmental elements, construction dust, direct sunlight, and other potentially detrimental conditions.
- C. When storing roofing materials on roofing system ensure that no damage occurs to supporting members and other materials.

1.05 WARRANTY:

- A. Provide manufacturer's standard limited warranty against defects in materials and workmanship of follows:
- 2. Warranty period: 40 years.
- a. Full coverage, including cost of materials and labor, for the first 5 years.
- b. Material only coverage for remainder of term, pro-rated in accordance with manufacturer's standard warranty conditions.
- 3. Agree resistance: 10 years, free from algae growth affecting appearance.
- a. Repair, replace or clean shingles at no cost to the owner.

2.01 ASPHALT SHINGLES:

- A. Asphalt shingles: Asphalt-coated glass felt, mineral granule surfaced, complying with ASTM D3482/D3482M.
- 1. Fire Resistance: Class A, complying with ASTM E108.
- 2. Wind Resistance: Class A, when tested in accordance with ASTM D3161/D3161M.
- 3. Algae resistant.
- 4. Self-sealing type.
- 5. Style: Square.
- 6. Color: As selected by Architect.
- 2.02 SHEET MATERIALS:
 - A. Underlayment: Asphalt-saturated organic roofing felt, unperforated, complying with ASTM D2262/D2262M, Type I, No. 15.

2.03 FLASHING:

- A. Metal Flashings: Provide metal eave edge, gable edge, ridge, ridge vents, open valley flashing, chimney flashing, dormer flashing, and eave flashing as indicated.
- 1. Form flashings to protect roofing materials from physical damage and shed water.
- 2. Form flashings square and accurate to profile, in maximum possible lengths, free from distortion or defects detrimental to appearance or performance.
- 3. Hem exposed edges of flashings minimum 1/4 inch or underside.
- 4. Coat concealed surfaces of flashings with bituminous paint.
- B. Aluminum Flashing: Pre-finished aluminum, 26 gauge, 0.017 inch minimum thickness. PVC coating, color as selected.

2.04 ACCESSORIES:

- A. Roofing Nails: Standard round wire shingle type, galvanized steel, minimum 3/8 inch head diameter, 12 gauge, 0.09 inch nail shank diameter, 1-1/2 inch long and complying with ASTM F1667.
- B. Asphalt Roof Cement: ASTM D4586/D4586M, oil-solvent-free.
- C. Bituminous Paste: Cold seal and sealant; elastomeric type; black color.
- D. Lip Cement: Filtered cutback asphalt type, recommended for use in application of underlayment, free of fillers and solvents.
- E. Plastic Ridge Vents: Extruded plastic with vent openings that do not permit direct water or weather entry (flap) to receive shingles.

3.01 EXAMINATION:

- A. Verify existing conditions prior to starting this work.
- B. Verify that roof deck is of sufficient thickness to accept fasteners.
- C. Verify that roof penetrations and plumbing stacks are in place and finished to deck surface.
- D. Verify roof openings are correctly framed.
- E. Verify deck surfaces are dry, free of ridges, warps, or voids.

3.02 PREPARATION:

- A. Break down deck surfaces before installing underlayment or eave protection.

3.03 INSTALLATION:

- A. Eave Protection Membrane:
- 1. Install eave protection membrane from eave edge to minimum 48 inches up-slope beyond exterior face of exterior wall.
- 2. Install eave protection membrane in accordance with manufacturer's instructions and NRCA (RM) applicable requirements.
- B. Underlayment:
- 1. Roof Slopes Up to 4:12: Install two layers of underlayment over area not protected by eave protection, with ends and edges overlap lapped minimum 4 inches; stagger end laps of each consecutive layer and nail in place.
- 2. Roof Slopes Greater Than 4:12: Install underlayment perpendicular to slope of roof, with ends and edges overlap lapped minimum 4 inches; stagger end laps of each consecutive layer; not in place, and weather lap minimum 4 inches over eave protection.
- 3. Weather lap and seal waterproof with plastic cement any items projecting through or mounted on roof.
- C. Valley Protection:
- 1. Install valley protection in accordance with SMACNA (ASMA), Detail Figure 4-12.
- D. Metal Flashing:
- 1. Install flashings in accordance with manufacturer's instructions and NRCA (RM) applicable requirements.
- 2. Weather lap joints minimum 2 inches and seal weather tight with plastic cement.
- 3. Name Projecting through or Mounted on Roofing: Flash and seal weather tight with plastic cement.
- E. Shingles:
- 1. Install shingles in accordance with manufacturer's instructions and NRCA (RM) applicable requirements.
- a. Fasten individual shingles using five nails per shingle, or as required by manufacturer and local building code, whichever is greater.
- b. Fasten strip shingles using four nails per strip, or as required by manufacturer and local building code, whichever is greater.
- 2. Place shingles in staggered running pattern with 5-inch weather exposure to produce double thickness over full roof area, and provide double course of shingles at eaves.
- 3. Project first course of shingles 3/4 inch beyond fascia boards.
- 4. Extend shingles 1/7 inch beyond face of gable edge fascia boards.
- 5. Cap hips with individual shingles, maintaining 5-inch weather exposure, and place to avoid exposed nails.

- 6. Coordinate installation of roof mounted components or work projecting through roof with weathertight placement of counterflashings.
- 7. Complete installation to provide weathertight service.

3.04 CLEANING:

- A. Clean exposed work upon completion of installation; remove grease and oil films, excess joint sealer, handling marks, and debris from installation, leaving work done and unimpeded, free from dents, crosses, warps, surface marks, or other damage to finish.

3.05 PROTECTION:

- A. Do not permit traffic over finished roof surface; protect roofing until completion of project.

SECTION 07 4002 – FIRESTOPPING

1.01 SUBMITTALS:

- A. Schedule of Firestopping: List each type of penetration, fire rating of the penetrated assembly, and firestopping test or design number.
- B. Product Data: Provide data on product characteristics, performance ratings, and limitations.

1.02 QUALITY ASSURANCE:

- A. Fire Testing: Provide firestopping assemblies of designs that provide the scheduled fire ratings when tested in accordance with methods indicated.
- 1. Listing in UL (FRD), FM (AG), or ITS (DR) will be considered as constituting an acceptable test report.
- 2. Valid evaluation report published by ICC Evaluation Service, Inc. (ICC-ES) or www-icc-es.org will be considered as constituting an acceptable test report.
- B. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years experience.
- C. Installer Qualifications: Company specializing in performing the work of this section and:
- 1. Verification of minimum three years experience installing work of this type.
- D. Comply with firestopping manufacturer's recommendations for temperature and conditions during and after installation; maintain minimum temperature before, during, and for three days after installation of materials.
- E. Provide ventilation in areas where solvent-cured materials are being installed.

2.01 MATERIALS:

- A. Firestopping Materials: Any materials meeting requirements.
- B. Spacers, Seaws, Forms, Insulation, Priming, Sealing, and Accessories: Provide type of materials as required for tested firestopping assembly.
- C. Fire Ratings: See Drawings for required ratings.

2.02 FIRESTOPPING ASSEMBLY REQUIREMENTS:

- A. Perimeter Fire Containment Firestopping: Use system that has been listed according to ASTM E2307 to have fire resistance rating equal to required fire rating of floor assembly.
- B. Head-of-Wall Joint System Firestopping at Joints Between Fire-Rated Wall Assemblies and Non-Rated Horizontal Assemblies: Use system that has been tested according to ASTM E2307 to have fire resistance rating equal to required fire rating of floor or wall, whichever is greater.
- C. Floor-to-Floor, Wall-to-Wall, and Wall-to-Floor Joints, Except Perimeter: Both Are Fire-Rated: Use system that has been tested according to ASTM E1888 or UL 2079 to have fire resistance rating equal to required fire rating of the assembly in which the joint occurs.
- D. Through Penetration Firestopping: Use system that has been tested according to ASTM E814 to have fire resistance rating equal to required fire rating of penetrated assembly.

2.03 FIRESTOPPING SYSTEMS:

- A. Firestopping: Any material meeting requirements.
- 1. Fire Ratings: Use any system listed by UL, FM, or ITS (Warrack Hersey) or tested in accordance with ASTM E 814 or ASTM E 119 that has 1 Rating equal to fire rating of penetrated assembly and minimum 1 Rating Equal to 1 Rating, unless otherwise required by code, and that meets all other specified requirements. Refer to drawings for required ratings.

3.01 EXAMINATION:

- A. Verify openings are ready to receive the work of this section.
- 3.02 PREPARATION
- A. Clean substrate surfaces of dirt, dust, grease, oil, loose material, or other materials that could adversely affect bond of firestopping material.
- B. Remove incompatible materials that could adversely affect bond.
- C. Install backing materials to prevent liquid material from leakage.

3.03 INSTALLATION:

- A. Install materials in manner described in the test report and in accordance with manufacturer's instructions, completely closing openings.
- B. Do not cover installed firestopping until inspected by authorities having jurisdiction.
- C. Install labeling required by code.

3.04 CLEANING:

- A. Clean adjacent surfaces of firestopping materials.

Professional Certification (Automatic)
Verify that this Specification was prepared or approved by you, and that you are duly licensed architect under the laws of the State of Maryland. Submit number 11004 signature use 3/10/2024.

SCOT ARCHITECT
LOISELLE
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Baltimore, Maryland 21204
410.523.1323 or by appointment

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SHERWIN WILLIAMS #5178
530 GOWAN ROAD, SEVERNA PARK, MD 21146

Project No.:	24.0774
Drawn By:	JAD
Date	Issue
01-31-25	Permit Set

A905

SPECIFICATIONS

MECHANICAL SYMBOLS/ABBREVIATIONS LEGEND			
SYMBOL/ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
	TEMPERATURE SENSOR	EF	EXHAUST FAN
	THERMOSTAT	EH	ELECTRIC HEATER
	REMOTE TEST SWITCH	ETR	EXISTING TO REMAIN
	DUCT SMOKE DETECTOR	EXIST (S)	EXISTING
	CONNECT TO EXISTING	HHP	HORSEPOWER
	FIRE DAMPER	HVAC	HEATING VENTILATION AIR CONDITIONING
	MOTORIZED DAMPER	KW	KILOWATT
	VOLUME DAMPER	MBH	1,000 BTUH
	CEILING DIFFUSER	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
	RETURN GRILLE	NC	NOT IN CONTRACT
	EXHAUST GRILLE	OA	OUTSIDE AIR
	AIRFLOW DIRECTION	PH	PHASE
	LOUVERED DOOR	PSI	POUNDS PER SQUARE INCH
	UNDERCUT DOOR	RA	RETURN AIR
	SUPPLY DUCT	RG	RETURN GRILLE
	RETURN/OUTSIDE AIR DUCT	RTU	ROOFTOP UNIT
	EXHAUST DUCT	SA	SUPPLY AIR
	DUCTWORK ACOUSTICAL LINING	SG	SUPPLY GRILLE
	MITERED ELBOW WITH TURNING VANES	TS	TRANSFER GRILLE
	SPIN-IN BRANCH MANUAL DAMPER	TYP	TYPICAL
A	AMPS	UH	UNIT HEATER
ACU	AIR CONDITIONING UNIT	V	VOLTS
AFT	ABOVE FINISHED FLOOR	VD	VOLUME DAMPER
AFU	AIR HANDLING UNIT	W	WATTS
CD	CEILING DIFFUSER		
CFM	CUBIC FEET PER MINUTE		
CU	CONDENSING UNIT		

NOTE: ALL SYMBOLS SHOWN MAY NOT APPEAR ON THE DRAWINGS.

DEMOLITION GENERAL NOTES

- THE ARCHITECTURAL DRAWINGS ARE TO BE USED ONLY AS A GUIDE LINE FOR DEMOLITION. THE CONTRACTOR MUST FIRST OBTAIN THE SITE PRIOR TO BEGINNING TO VERIFY ALL WORK REQUIRED FOR A COMPLETE JOB AND INCLUDE THE COST OF SUCH WORK IN THE BID.
- EXAMINE AREAS AND CONDITIONS UNDER WHICH DEMOLITION WORK MUST BE PERFORMED. THIS CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES PERFORMING DEMOLITION WORK AND/OR DEMOLITION WORK PROVIDED BY THE OWNER. IN EVERY INSTANCE OF DEMOLITION AND/OR REMODELING, THE CONTRACTOR SHALL FURNISH A COMPLETE JOB AS NO ONE OTHER SHALL BE ACCEPTED.
- THE EXTENT OF WORK SHOWN OR NOT SHOWN SHALL INCLUDE REMOVAL AND LEGALLY DISPOSE OF SITE. ALL THE ITEMS AND SYSTEMS BEING REMOVED.
- THIS CONTRACTOR SHALL RETAIN ON THE PREMISES IN HEAVILY STAGED PILES WHERE DEMOLITION WORK IS REQUIRED BY THE OWNER. ALL MATERIALS, WIRE, PIPES AND/OR EQUIPMENT WHICH ARE SPECIFIED TO BE REMOVED OR REPLACED. ALL SUCH ITEMS NOT SPECIFIED FOR REMOVAL BY THE OWNER SHALL BECOME THE PROPERTY OF THIS CONTRACTOR AND SHALL BE REMOVED FROM THE PREMISES AND LOCALLY DISPOSED.
- CONFORM TO ALL APPLICABLE CODES FOR DEMOLITION OF ITEMS AND SYSTEMS, SAFETY OF ADJACENT SYSTEMS, DUST CONTROL, LEGAL RUNOFF CONTROL, DISPOSAL AND ALL ITEMS NECESSARY TO COMPLETE THE WORK COMPLETELY.
- DEMOLITION SHALL BE DONE IN A MANNER SO AS NOT TO DAMAGE ADJACENT WORK AND NOT AFFECT THE OPERATION OF SYSTEMS TO REMAIN IN USE. ANY ITEM TO REMAIN THAT IS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AND/OR REPAIRED AT THE CONTRACTOR'S EXPENSE.
- DEMOLITION AND CUTTING SHALL BE DONE IN A MANNER WHICH DOES NOT DEFORM OR APPLY LOADS TO THE EXISTING FRAMING AND EQUIPMENT OF THE BUILDING TO REMAIN.
- WALLS, CEILING, FLOORS, ETC., BEING DISTURBED BY THE WORK SHALL BE RETURNED TO FINISHED CONDITIONS TO MATCH EXISTING BY THE CONTRACTOR AND CONTRACTOR SHALL DO HIS OWN CUTTING AND PATCHING AS NECESSARY UNDER HIS CONTRACT.
- CONTRACTOR SHALL MAINTAIN EXISTING SERVICES TO AND IN THE EXISTING AREAS AS REQUIRED.
- EXISTING SYSTEMS TO REMAIN ARE TO BE SUPPORTED AS REQUIRED UNTIL THE MODIFIED ELEMENTS ARE INSTALLED AND SUPPORTED.
- IF NECESSARY, THE CONTRACTOR SHALL PROVIDE TEMPORARY SERVICES IN THE EXISTING AREAS.
- EXISTING ABOVE GRADE FLOOR SLABS SHALL BE SAW CUT IN A MANNER THAT DOES NOT CAUSE THE STEEL FRAMING OR THE REBAR SUPPORTING THE SLAB TO BE CUT. CONTRACTOR SHALL FIELD VERIFY SLAB THICKNESS AND REBAR SPACING.
- EXISTING ABOVE GRADE FLOOR SLABS SHALL BE CONE CRILLED AT RESTRAINT CORNERS OF WALLS OVER OPENINGS TO PREVENT OVER CUTTING IF EXISTING SLAB IS STRUCTURAL SLAB. CONTRACTOR SHALL CONTACT ENGINEER ON HOW TO PROCEED.
- THE ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE ELECTRIC SERVICE TO ALL MECHANICAL EQUIPMENT BEING REMOVED AS A RESULT OF THE DEMOLITION.
- EQUIPMENT AND DEVICES SHALL BE REMOVED COMPLETELY INCLUDING HANGERS, SUPPORTS, CONTROLS, CONDUIT, WIRE, PIPES, DUCTWORK, ETC. WIRING SHALL BE DISCONNECTED AT CIRCUIT BREAKERS, REMOVED AND BREAKERS MARKED "SPARE."
- ALL OPEN EXPOSED PIPING AND DUCTWORK THAT IS TO REMAIN SHALL BE CAPPED AND PROPERLY SECURED.
- ANY EXISTING PIPES, DUCTWORK, CONDUIT, LOW VOLTAGE CONTROL WIRING AND/OR ELECTRICAL AND MECHANICAL DEVICES BEING DISTURBED BY THE WORK SHALL BE REMOVED BY THIS CONTRACTOR AS REQUIRED TO RETURN TO ITS FORMER EXISTING OPERATING CONDITION.
- ANY PIPES OR DUCTWORK, OR CONTROL WIRING, OR TUBING FEEDING THROUGH DEVICES OR EQUIPMENT BEING RELOCATED, REWORKED, OR ABANDONED AND BEING OPEN SERVICES, AND/OR EQUIPMENT SHALL BE MAINTAINED IN WORKING CONDITION.
- ANY ABANDONED REMOVAL IF REQUIRED WILL BE HANDLED BY THE OWNER AND IS NOT A PART OF THIS WORK.
- EXISTING ARCHITECTURAL, MECHANICAL, AND ELECTRICAL EQUIPMENT AND SYSTEMS SHALL BE PROTECTED FROM DAMAGE RESULTING FROM DEMOLITION.
- CONTRACTOR SHALL PROTECT ALL EXISTING RETURN DUCTWORK AND TRANSFER AIR OPENINGS WITH DISPOSABLE FILTERS DURING CONSTRUCTION. FILTERS SHALL BE OF THE DISPOSABLE TYPE AND SHALL BE SERVED & REPLACE EXISTING BUILDING UNIT FILTERS AFTER CONSTRUCTION IS COMPLETE.

MECHANICAL GENERAL NOTES:

- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT TO INSTALL A COMPLETE AND OPERATIONAL HEATING AND COOLING SYSTEM.
- CONTRACTOR SHALL PROVIDE ALL REQUIRED HVAC PERMITS.
- THE CONTRACTOR SHALL COMPLY WITH NFPA 90A AND ALL APPLICABLE CODES.
- HVAC WORK TO BE PERFORMED SHALL BE IN COMPLIANCE WITH ALL STATE AND LOCAL CODES.
- FLEXIBLE DUCT SHALL COMPLY WITH SMACNA, ALL LOCAL CODES, U.L. RATING, AND NOT EXCEED THE FEET IN LENGTH.
- SHEET METAL DUCT, WHERE REQUIRED BY LOCAL CODES, SHALL BE LINED WITH 1" MATT FACED OUTLINER IN THE FIRST 10 FEET OF THE RETURN AND SUPPLY DUCT STARTING FROM THE HVAC UNIT. AFTER THE FIRST 10 FEET THE USE OF 1" DUCT WRAP SHALL BE ACCEPTABLE WORK MATERIAL. TO BE INSPECTED WITH ACCESSIBILITY MARKING.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL SWITCHES, DISCONNECTS, AND CONTROL WIRING.
- DUCT SIZES ARE CLEAR INSIDE DIMENSIONS, ALLOW FOR DUCT INSULATION.
- THE CONTRACTOR SHALL PROVIDE A WRITTEN GUARANTEE THAT SHALL WARRANT ALL WORKMANSHIP AND MATERIALS FOR ONE (1) YEAR FROM THE FINAL WORK ACCEPTANCE BY THE OWNER AND A FIVE YEAR WARRANTY ON THE COMPRESSOR.
- FILTERS SHALL BE OF THE DISPOSABLE TYPE, AND SHALL BE SERVED & REPLACE TWO TIMES DURING CONSTRUCTION AND ONE TIME AFTER OCCUPANCY.
- CONTRACTORS SHALL INSTALL ALL NECESSARY OFFSETS, BENDS, AND TRANSITIONS REQUIRED TO PROVIDE A COMPLETE SYSTEM AT NO ADDITIONAL COST TO THE OWNER.
- COORDINATE LOCATION OF ALL OFFERING DIFFUSERS, GRILLES AND REGISTERIES IN THE FIELD WITH THE ELECTRICAL TO PREVENT CONFLICT WITH LIGHTS AND ARCHITECTURAL ELEMENTS.
- ALL WORK OF THIS TRADE SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID ANY INTERFERENCES THAT MAY DELAY PROGRESS DURING CONSTRUCTION.
- THE MECHANICAL CONTRACTOR SHALL TEST AND BALANCE TO THE AIR QUANTITIES ON THE PLAN AND PROVIDE A TAB REPORT.
- CONTRACTOR SHALL INSTALL MANUAL BALANCING DAMPERS AT ALL SUPPLY AIR BRANCH DUCTWORK RUN OUTS.
- CONTRACTOR SHALL INSTALL TURNING VANES AT ALL DUCTWORK TEES AND 90 DEGREE ELBOWS.
- ALL SHEET METAL DUCTWORK SHALL COMPLY WITH SMACNA STANDARDS. ALL DUCTWORK JOINTS SHALL BE TAPPED AND SEALED.
- CONTRACTOR SHALL REMOVE EQUIPMENT OF THE SCHEDULED QUANTITIES DISPOSED.

Professional Certification: Mechanical
I certify that these documents were prepared or approved by me, and that I am a duly-licensed mechanical engineer under the laws of the State of Maryland, license number 04114, expiration date 12/31/2025.

PROJECT NO. 24-0774
DRAWN BY: MH
DATE: 01-31-25
ISSUED: PERMIT SET

LOVELL
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SHERWIN WILLIAMS #5178
530 GORHAM RITCHIE HIGHWAY
SEVERNA PARK, MD 21148

Project No.: 24-0774
Drawn By: MH
Date: 01-31-25
Issued: PERMIT SET

M001

MECHANICAL DATA SHEET

Professional Certification (Mechanical)
I hereby declare these documents were prepared or supervised by me, and that I am a duly Licensed Mechanical Engineer under the laws of the State of Maryland. License number 04-114 expiring on 12/31/2023

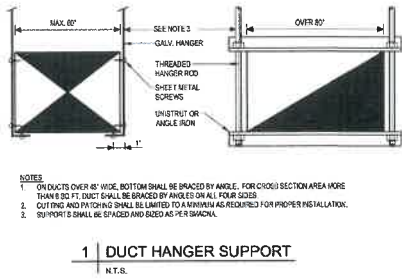
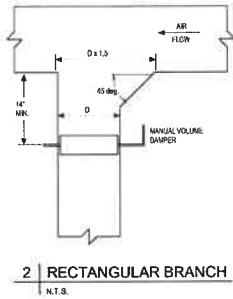
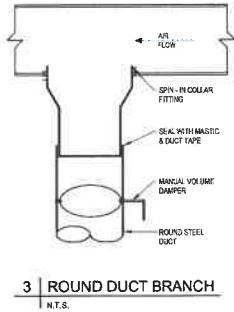
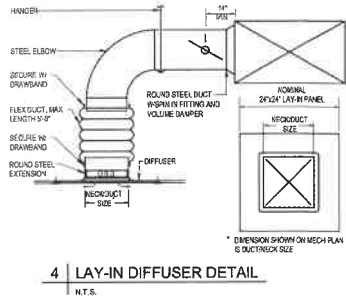
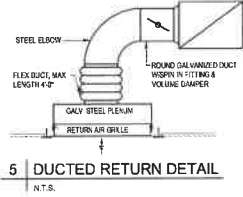
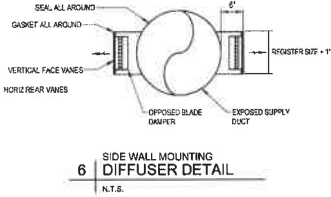
FAN SCHEDULE													
MARK	MANUFACTURER	MODEL	SERVICE	TYPE	CAPACITY (CFM)	RPM	ESP (WC)	DRIVE	MOTOR POWER (WATTS)	ELECTRICAL		OPERATING WEIGHT(LBS)	REMARKS
										VOLT	PHASE		
EF-1	PANASONIC	FV0810031	TOILET EXHAUST	CULING	80	1,114	0.2	DIRECT	13.2	120	1	7	1.23

REMARKS
1. APPROVED MANUFACTURERS: GREENWICH, LORAIN COOK, PANASONIC, ON TWIN CITY.
2. PROVIDE WITH FAN SPEED CONTROLLER, DISCONNECT SWITCH, GRAVITY DAMPER, AND WHITE FRAMEGRILLE.
3. FAN CONTROL VIA FAIRLIGHT SWITCH.

GRILLE AND DIFFUSER SCHEDULE						
MARK	MANUFACTURER	MODEL	MODULE SIZE	MATERIAL	FINISH	REMARKS
GD-1	PRICE	POB	24X24	STEEL	STD WHITE	1.23
GD-1	PRICE	SDV	SEE PLANS	STEEL	STD WHITE	1.4
GD-	PRICE	SDV	SEE PLANS	STEEL	STD WHITE	1.3
GD-	PRICE	SDV	SEE PLANS	STEEL	STD WHITE	1.3

REMARKS
1. APPROVED MANUFACTURERS: TITUS, PRICE, TUTTLE AND BAILEY, HALL OR AN AMINOSTAT.
2. ALL CEILING DIFFUSERS ARE 4-ARY THROW UNLESS INDICATED OTHERWISE ON PLANS.
3. PROVIDE SP-APP FRAME FOR CURTAIN WALL CEILING. REFER TO ARCHITECTURAL CEILING PLAN PRIOR TO ORDERING.
4. HANGING FRAME, DOUBLE DEFLECTION GRILLE, LONG DIMENSION FRONT BLADES, WITH OPPOSED BLADE DAMPER MOUNTED BEHIND.

Exposed duct diffusers to be inline and same unfinished color as duct and angled down NOT elbowed and pointing down.



SCOTT ARCHITECT
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Cockeysville, Maryland 21031
410.862.1300 or scottarchitect.com

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530 GOVERNOR RITCHIE HIGHWAY
BEVERLY PARK, MD 21146

Project No.: 24-0774
Drawn By: MH
Date: 01-21-25
Permit Set

M002

MECHANICAL
SCHEDULES AND
DETAILS

A. REFER TO DRAWING M001 FOR GENERAL NOTES, LEGEND, AND ABBREVIATIONS.

1. REMOVE EXISTING SUPPLY AIR DUCT MARKS, ACCESSORIES, AND HANGERS.
2. REMOVE EXISTING RETURN AIR DUCT MARKS, ACCESSORIES, AND HANGERS.
3. REMOVE EXISTING SUPPLY AND RETURN AIR DEVICES AND ASSOCIATED DUCT RUNOUTS THROUGHOUT THE EXISTING SPACE.
4. REMOVE EXISTING CEILING EXHAUST FAN DUCTWORK, ACCESSORIES, AND HANGERS.
5. REMOVE EXISTING EXHAUST DISCHARGE HOOD.



Professional Certification (Mechanical)
I certify that these documents were prepared or approved by me, and
that I am a duly licensed mechanical engineer under the laws of the
State of Maryland, license number 54114 expiration date 3/31/2025

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Project No.:	24.0774
Drawn By:	MH
Date	Issue
01-31-25	Permit Set

MECHANICAL
DEMOLITION PLAN

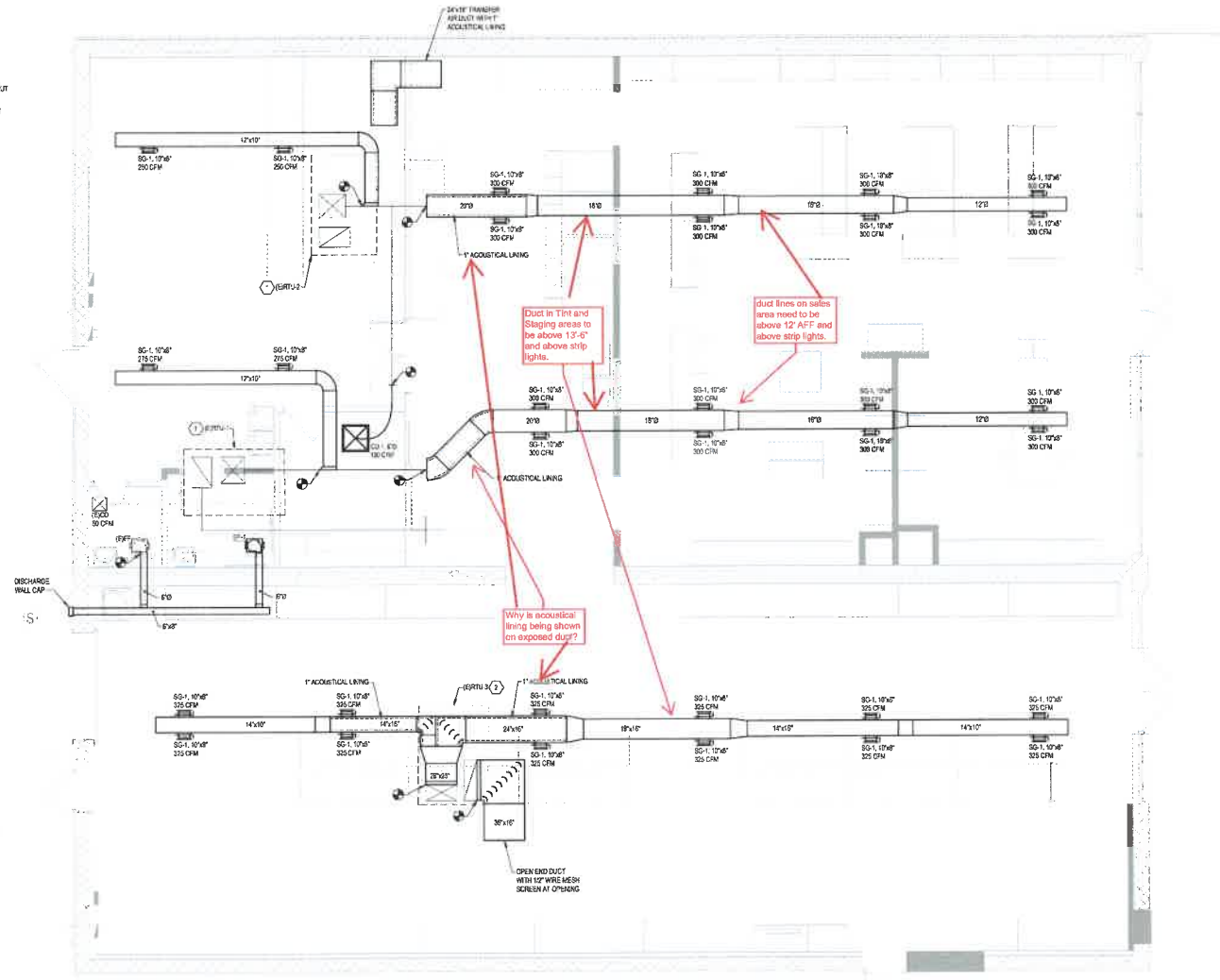
Professional Certification (Mechanical)
I certify that these documents were prepared or accepted by me, and
that I am a duly licensed mechanical engineer under the laws of the
State of Maryland, license number 94114 expiration date 3/30/2025

GENERAL NOTES

A. REFER TO DRAWING(S) FOR GENERAL NOTES, LEGEND, AND ABBREVIATIONS.

KEYED NOTE SCHEDULE

1. EXISTING ROOFTOP UNIT, NOMINAL COOLING CAPACITY 7-10 TONS, HEATING INPUT 155 KW, SUPPLY AIRFLOW 3,300 CFM.
2. EXISTING ROOFTOP UNIT, NOMINAL COOLING CAPACITY 10 TONS, HEATING INPUT 224 KW, SUPPLY AIRFLOW 4,000 CFM.



MECHANICAL FLOOR PLAN
SCALE: 1/4\"/>

ARCHITECT
SCOT
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530 GOWAN RITCHIE HIGHWAY
SEVERNA PARK, MD 21146

Project No.: 24.0774
Drawn By: MR
Date: 01-31-25
Issue: Permit Set

M101

MECHANICAL FLOOR
PLAN

A. General

1.

and capitalization documents made of savings are given notice and receive the proper remedy. Another. The use of paid home ownership incentives makes it more difficult for the poor to obtain a home. The federal government is strictly prohibited from awarding a

—Eric A. Feltz

Project No.:	24.0
Prepared By:	Issue
25	Permit Set

01-31-23 Permit Set

MECHANICAL SPECIFICATIONS

NOTE: ALL SYMBOLS SHOWN MAY NOT APPEAR ON THE DRAWINGS

A. THE ARCHITECTURAL DRAWINGS ARE TO BE USED ONLY AS A GUIDELINE FOR DEMOLITION. THE CONTRACTOR MUST VISIT THE SITE PRIOR TO BIDDING TO VERIFY WORK REQUIRED FOR A COMPLETE JOB AND INCLUDE THE COST OF SUCH WORK IN THEIR BID.

- [illegible]

A. PLUMBING CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATIONS AND SIZES OF ALL UTILITIES, INCLUDING THE DEPTHS OF ALL BELOW GRADE SANITARY SEWERS, PRIOR TO START OF WORK. THIS DRAWING IS NOT INTENDED TO INDICATE ALL EXISTING UTILITIES.

- C. CONTRACTOR SHALL VISIT SITE PRIOR TO SUBMITTING BID TO IDENTIFY AND REPORT ANY EXISTING CONDITIONS TO ENSURE THAT THE WORKER REPRESENTED BY THE BIDDER IS AWARE OF ALL EXISTING CONDITIONS. ANY CONDITIONS INDICATED CONTRACTOR SHALL TAKE ALL INTERFERENCES INTO ACCOUNT AND REPORT TO ARCHITECT IMMEDIATELY. THE ARCHITECT SHALL ADVISE AND REPORT TO CONTRACTOR IMMEDIATELY. THE ARCHITECT SHALL ADVISE AND REPORT TO CONTRACTOR IMMEDIATELY. THE ARCHITECT SHALL ADVISE AND REPORT TO CONTRACTOR IMMEDIATELY.
- D. CONTRACTOR SHALL VERIFY AND DOCUMENT ALL UTILITY CONDITIONS. POINTS INCLUDES SIGNS AND INHERITS WITH EXISTING BUILDING CONDITION PRIOR TO START OF WORK.
- E. AVOID ALL UTILITY CONNECTIONS AND INSTALLATIONS IN WALLS.
- F. COMPLY WITH ALL CITY REGULATIONS, ORDINANCES AND ALL ADDITIONAL REQUIREMENTS AS REQUIRED BY UTILITY COMPANY. THE COMPLETED WORK SHALL BE IN ACCORDANCE WITH ALL CITY REGULATIONS, ORDINANCES, STANDARDS OF GOOD PRACTICE AND SAFETY, AND THE MANUFACTURER'S INSTRUCTIONS FOR THE PROPER INSTALLATION AND OPERATION OF THE APPLIANCE AND INSTALLATION.
- G. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND INSPECTIONS RELATED TO THE REINSTALLATION OF THE WORK.
- H. WORK SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES, LAWS AND ALL AUTHORITIES. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND INSPECTIONS RELATED TO THE REINSTALLATION OF THE WORK.
- I. MAINTAIN MANUFACTURER'S RECOMMENDED SERVICE CLEARANCES FOR ALL APPLIANCES. THE CONTRACTOR SHALL MAINTAIN CLEARANCES FOR ALL LOCATIONS OF PLUMBING FIXTURES.
- J. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND SHALL NOTIFY THE ARCHITECT IMMEDIATELY WITH ANY DISCREPANCIES WITH THE CONTRACT DOCUMENTS BEFORE COMMENCING ANY WORK.
- K. SEVELESS AND SEAL PIPE PENETRATIONS OF WALLS AND FLOORS. APPLY INTERFERENCE FREE SANDING COATING AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS. APPLY INTERFERENCE FREE SANDING COATING AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS. APPLY INTERFERENCE FREE SANDING COATING AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS. APPLY INTERFERENCE FREE SANDING COATING AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS.
- L. SEVELESS AND SEAL PIPE PENETRATIONS OF WALLS AND FLOORS. APPLY INTERFERENCE FREE SANDING COATING AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS. APPLY INTERFERENCE FREE SANDING COATING AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS. APPLY INTERFERENCE FREE SANDING COATING AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS.
- M. SEVELESS AND SEAL PIPE PENETRATIONS OF WALLS AND FLOORS. APPLY INTERFERENCE FREE SANDING COATING AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS. APPLY INTERFERENCE FREE SANDING COATING AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS. APPLY INTERFERENCE FREE SANDING COATING AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS.
- N. SEVELESS AND SEAL PIPE PENETRATIONS OF WALLS AND FLOORS. APPLY INTERFERENCE FREE SANDING COATING AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS. APPLY INTERFERENCE FREE SANDING COATING AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS. APPLY INTERFERENCE FREE SANDING COATING AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS.
- O. SEVELESS AND SEAL PIPE PENETRATIONS OF WALLS AND FLOORS. APPLY INTERFERENCE FREE SANDING COATING AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS. APPLY INTERFERENCE FREE SANDING COATING AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS. APPLY INTERFERENCE FREE SANDING COATING AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS.
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- R. SEVELESS AND SEAL PIPE PENETRATIONS OF WALLS AND FLOORS. APPLY INTERFERENCE FREE SANDING COATING AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS. APPLY INTERFERENCE FREE SANDING COATING AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS. APPLY INTERFERENCE FREE SANDING COATING AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS.
- S. SEVELESS AND SEAL PIPE PENETRATIONS OF WALLS AND FLOORS. APPLY INTERFERENCE FREE SANDING COATING AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS. APPLY INTERFERENCE FREE SANDING COATING AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS. APPLY INTERFERENCE FREE SANDING COATING AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS.
- T. SEVELESS AND SEAL PIPE PENETRATIONS OF WALLS AND FLOORS. APPLY INTERFERENCE FREE SANDING COATING AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS. APPLY INTERFERENCE FREE SANDING COATING AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS. APPLY INTERFERENCE FREE SANDING COATING AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS.
- U. SEVELESS AND SEAL PIPE PENETRATIONS OF WALLS AND FLOORS. APPLY INTERFERENCE FREE SANDING COATING AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS. APPLY INTERFERENCE FREE SANDING COATING AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS. APPLY INTERFERENCE FREE SANDING COATING AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS.
- V. SEVELESS AND SEAL PIPE PENETRATIONS OF WALLS AND FLOORS. APPLY INTERFERENCE FREE SANDING COATING AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS. APPLY INTERFERENCE FREE SANDING COATING AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS. APPLY INTERFERENCE FREE SANDING COATING AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS.
- W. SEVELESS AND SEAL PIPE PENETRATIONS OF WALLS AND FLOORS. APPLY INTERFERENCE FREE SANDING COATING AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS. APPLY INTERFERENCE FREE SANDING COATING AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS. APPLY INTERFERENCE FREE SANDING COATING AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS.
- X. SEVELESS AND SEAL PIPE PENETRATIONS OF WALLS AND FLOORS. APPLY INTERFERENCE FREE SANDING COATING AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS. APPLY INTERFERENCE FREE SANDING COATING AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS. APPLY INTERFERENCE FREE SANDING COATING AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS.
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- Z. SEVELESS AND SEAL PIPE PENETRATIONS OF WALLS AND FLOORS. APPLY INTERFERENCE FREE SANDING COATING AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS. APPLY INTERFERENCE FREE SANDING COATING AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS. APPLY INTERFERENCE FREE SANDING COATING AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS.

Professional Certification (Mechanical)
I certify that these documents were prepared or approved by me, and that I am a duly licensed mechanical engineer under the laws of the State of Maryland, license number 54114, expiration date 3/20/2025.

ATFAS107
1008

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SHERWIN WILLIAMS #5178
630 GOVERNOR RITCHIE HIGHWAY
SEVERNA PARK, MD 21146

Project No.:	24.0774
Drawn By:	MH
Date	Issue
01-31-25	Permit Set

P001

PLUMBING DATA SHEET

EXPANSION TANK SCHEDULE							
MARK	MANUFACTURER	MODEL	SERVICE	TYPE	CAPACITY (GAL)	SIZE (DIA"xL")	OPERATING WEIGHT (LBS)
ET-1	AMTROL	ST 60-00	RWH-1	DIAPHRAGM	2	18"x14"	18

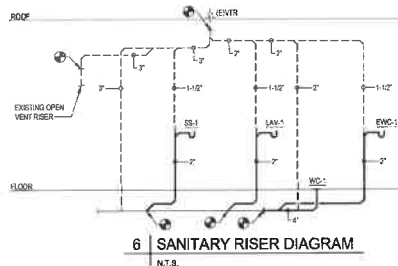
NOTES:
1. APPROVED MANUFACTURERS: AMTROL, BELL AND GOSSET, OR TACO.

DOMESTIC WATER HEATER (ELECTRIC) SCHEDULE							
MARK	MANUFACTURER	MODEL	STORAGE TEMPERATURE (°F)	RECOVERY AT 100° (GPH)	STORAGE (GAL.)	NUMBER OF ELEMENTS	MAXIMUM OPERATION (KW)
WH-1	AO SMITH	DS-30	120	18	40	2	4.5

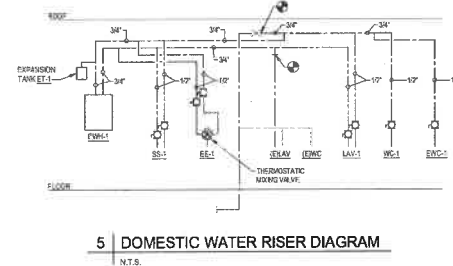
NOTES:
1. APPROVED MANUFACTURERS: AO SMITH, BRANFORD WHITE, LOCKHART, RHEEM, AND STATE.
2. RECOVERY RATE BASED ON 60°F ENTERING WATER TEMPERATURE.

PLUMBING FIXTURE CONNECTION SCHEDULE							
MARK	FIXTURE	MANUFACTURER	MODEL	CONNECTIONS			DESCRIPTION
				CW	HW	SANITARY	
WC-1	WATER CLOSET	KOHLER	PRESSURE LITE K3518	1/2"	-	3"	2"
LAV-1	LAVATORY	AMERICAN STANDARD	LUCRINE 8555-072	1/2"	1/2"	1 1/2"	1 1/2"
SS-1	SERVICE SINK	ELKAY	SS81342	1/2"	1/2"	3"	1 1/2"
EW-1	WATER COOLER	ELKAY	EW4F0100LAK	1/2"	-	1 1/2"	1 1/2"
EE-1	EMERGENCY EYEWASH	IRVING-CLOUD	SI9 258P1	1/2"	-	3"	1 1/2"
CO-1	CLEANOUT	J.R. SMITH	400	-	-	SEE PLANS	SEE PLANS

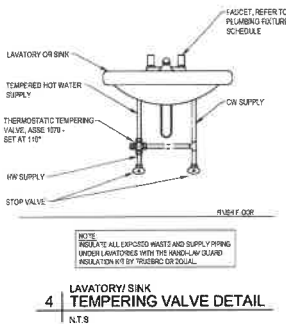
NOTES:
1. REFER TO SPECIFICATIONS FOR APPROVED EQUAL MANUFACTURERS.
2. INSTALL SERVICE SHUTOFF & CHECK VALVES, COCKS, STOP, AIR CUSHION, VACUUM BREAKERS, AND SAFETY DEVICES WHERE REQUIRED BY CODE, SPECIFICATIONS, OR DRAWINGS.
3. EXPOSED PIPING TO BE: 1/2" DIA. CHROME PLATE WITH CLEANOUT AND ESCUTCHEON PLATE.
4. STOPS TO BE CHROME PLATED 1/2" ANGLE VALVE WITH CHROME PLATED 1/2" LONG, 1/2" O.D. FLEXIBLE RISER AND ESCUTCHEON PLATE.



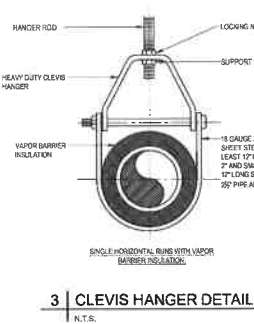
6 SANITARY RISER DIAGRAM
N.T.S.



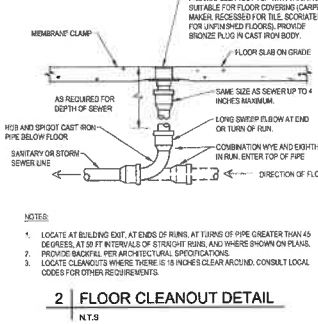
5 DOMESTIC WATER RISER DIAGRAM
N.T.S.



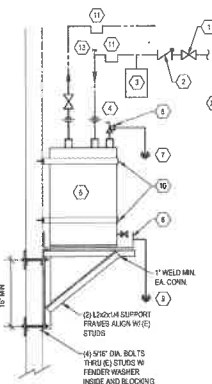
4 LAVATORY/SINK TEMPERING VALVE DETAIL
N.T.S.



3 CLEVIS HANGER DETAIL
N.T.S.



2 FLOOR CLEANOUT DETAIL
N.T.S.



1 WALL BRACKETED WATER HEATER DETAIL
N.T.S.

- NOTES:
1. SHUT OFF VALVE - TYPICAL
 2. CHECK VALVE
 3. EXPANSION TANK, AMTROL NO. STS WITH UNION CONNECTION
 4. ELECTRIC UNION - TYPICAL
 5. ELECTRIC WATER HEATER
 6. 2" DEEP GALV. STEEL DRAIN PAN WITH SOLDERED SEAMS AND 2 COATS OF RUST INHIBITING PAINT
 7. PIPE RELIEF DRAIN FULL SIZE TO MOP DRAIN
 8. T & B RELIEF
 9. 1/2" PAN DRAIN, DIRECT WASTE TO MOP DRAIN
 10. STRAP TO WALL WITH 1" WIDE x 1/8 GA GALV. STEEL STRAP (SEISMIC RESTRAINT)
 11. HEAT TRAP
 12. SHELVE MOUNTING HEIGHT AT 5' 0" A.F.F.
 13. VACUUM RELIEF VALVE

Professional Certification (Mechanical)
I certify that these documents were prepared or approved by me, and that I am a duly Licensed Mechanical Engineer under the laws of the State of Maryland, license number 06114, expiration date 12/31/2020.

SCOTT ARCHITECT
LOISELLE
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SHERWIN WILLIAMS #5178
530 GOWAN RICHIE HIGHWAY
SEVERNA PARK, MD 21148

Project No.: 24.0774
Drawn By: MLI
Date: 07-21-25
Issues: Permit Set

P002
PLUMBING DETAILS
AND SCHEDULES

GENERAL PLUMBING NOTES

A. REFER TO DRAWING PD01 FOR GENERAL NOTES, LEGEND, AND ABBREVIATIONS.

KEYED NOTE SCHEDULE

- EXISTING WATER CLOSET AND LAVATORY IN THIS TOILET ROOM TO REMAIN.
- REMOVE EXISTING WATER CLOSET, LAVATORY, FLOOR DRAIN IN THE TOILET ROOMS. REMOVE ASSOCIATED DOMESTIC WATER, WASTE, AND VENT PIPING.
- REMOVE EXISTING ELECTRIC WATER HEATER. REMOVE ASSOCIATED DOMESTIC WATER PIPING.
- REMOVE EXISTING SERVICE SINK. REMOVE ASSOCIATED DOMESTIC WATER, WASTE, AND VENT PIPING.
- REMOVE EXISTING SINK. REMOVE ASSOCIATED DOMESTIC WATER, WASTE, AND VENT PIPING.
- REMOVE EXISTING VENT PIPING VENT THRU ROOF TO REMAIN.
- REMOVE EXISTING WATER SERVICE PIPING AND WATER PIPING IN THE BANK BUILDING. VALVE AND CAP WATER SERVICE AT EXISTING METER. CONFIRM EXACT LOCATION AND SIZE OF WATER SERVICE IN THE FIELD.
- REMOVE EXISTING GAS METER AND SERVICE MAIN TO THE BUILDING. CAP PIPING AT THE MAIN.
- REMOVE EXISTING GAS PIPING. PIPING UP THRU ROOF TO EXISTING RTU TO REMAIN.
- EXISTING WATER SERVICE TO THE EXISTING SHERWIN WILLIAMS STORE TO REMAIN. CONFIRM EXACT LOCATION AND SIZE OF WATER SERVICE IN THE FIELD.
- REMOVE EXISTING VENT PIPING. EXISTING OPEN VENT RISER IN CEILING TO REMAIN.



PLUMBING DEMOLITION PLAN

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

Professional Certification (Mechanical)
I hereby certify that these documents were prepared or supervised by me, and that I am a duly Licensed Professional Engineer under the laws of the State of Maryland. I am a member of the Maryland Professional Engineers and Surveyors Association, Inc. (MPE&S), and I am a member of the American Society of Mechanical Engineers, Inc. (ASME).

SCOTT
LOISELLE
ARCHITECT

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Baltimore, Maryland 21201
410.681.1300 | scottloisele.com

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SHERWIN WILLIAMS #5178

530 GOVERNOR RITCHIE HIGHWAY
SEVERNA PARK, MD 21146

Project No.: 24.0774
Drawn By: MH
Date: 01-31-25
Issue: Permit Set

PD101

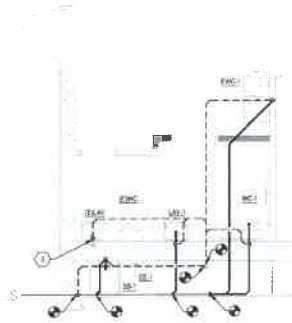
PLUMBING
DEMOLITION PLAN

GENERAL PLUMBING NOTES

A. REFER TO DRAWING P101 FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS

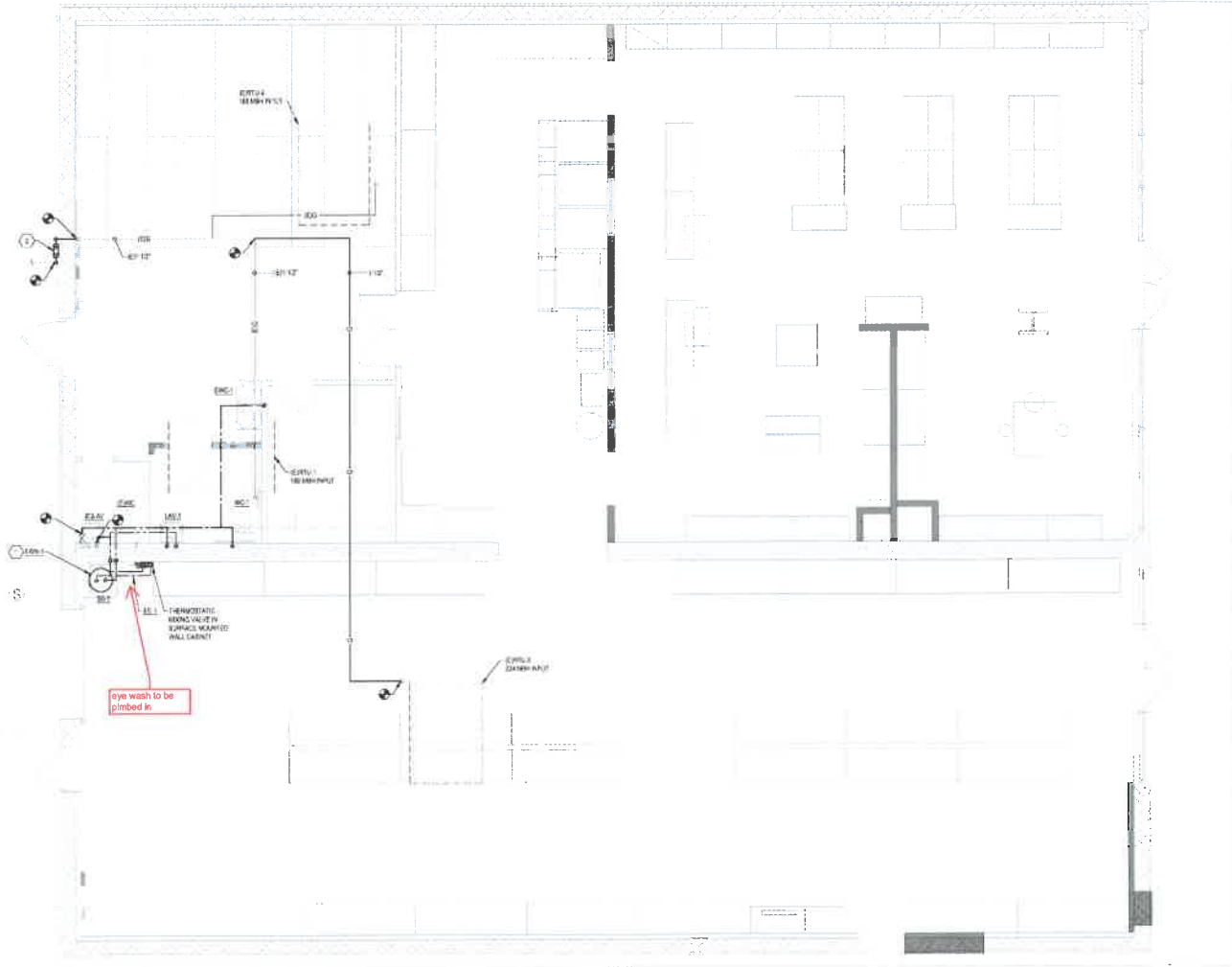
KEYED NOTE SCHEDULE

1. ELECTRIC WATER HEATER ON WALL ABOVE MOP BASH. REFER TO DETAIL 10/01 FOR INSTALLATION DETAILS.
2. NEW GAS METER AND PRESSURE REGULATOR BY UTILITY COMPANY. CONNECT TO EXISTING SERVICE MAIN.
3. CONNECT NEW VENT PIPE TO TOP OF EXISTING VENT RISER.



2 WASTE AND VENT PLUMBING PLAN

1/4"=1'-0"



1 DOMESTIC WATER AND GAS PLUMBING PLAN

1/4"=1'-0"

Professional Certification (Mechanical)
I hereby declare that I am a duly licensed professional engineer under the laws of the State of Maryland, License Number 04114, expiration date 2023/2024.

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San Bruno, Maryland 21061
410.862.1322 scotloiselle.com

Building as a professional engineer or architect is a public trust. The engineer or architect must be a duly licensed professional engineer or architect under the laws of the State of Maryland, License Number 04114, expiration date 2023/2024.

SHERWIN WILLIAMS #5178
530 GOVERNOR RITCHIE HIGHWAY
SEVERNA PARK, MD 21146

Project No.: 24-0774
Drawn By: MHL
Date: 01-31-25
Issue: Permit Set

P101

PLUMBING
FLOOR PLAN

Professional Certification (Electrician)
I certify that these documents were prepared or approved by me, and
that I am a duly licensed electrical engineer under the laws of the State
of Maryland, license number 01478, expiration date 07/31/2025

ABBREVIATION LEGEND	
ABBREVIATION	DESCRIPTION
A	AMPERES
AF1	ABOVE FINISH FLOOR
AF0	ABOVE FINISH GRADE
AU	AUTHORITY HAVING JURISDICTION
AHJ	AIR HANDLING UNIT
AC	AMPERE INTERRUPTING CAPACITY
AL	ALUMINUM
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CAT	CATALOG
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CL	CONTINUOUS
CLF	CURRENT LIMITING FUSE
CU	COPPER
DRG	DRAWING
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
EM	INDICATES EMERGENCY CIRCUIT
ENT	ELECTRICAL METALLIC TUBING
EW	ELECTRIC WATER COOLER
FJ	FUSE
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FAMP	FIRE ALARM ANNUNCIATOR PANEL
FADP	FIRE ALARM DETECTOR PANEL
FLA	FULL LOAD AMPERES
GRD	GROUND OR GROUNDING
GRMC	GALVANNEED RIGID METALLIC CONDUIT
HSA	HAND OFF, AUTOMATIC SWITCH
INC	INTERMEDIATE METAL CONDUIT
KCAL	THOUSAND CALORIES PER POUND
KVA	KILOVOLT AMPERES
KW	KILOWATTS
LTC	LIGHTING
MC	MECHANICAL CONTRACTOR
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTOR
MISC	MISCELLANEOUS
MLO	MAIN LUGS ONLY
NTS	NOT TO SCALE
P	POLE
PNL	PANEL
POS	PROVIDED UNDER OTHER SECTIONS
PVC	POLYVINYL CHLORIDE
POWER	POWER
QTY	QUANTITY
REQD	REQUIRED
RMC	RIGID METAL CONDUIT
RTU	ROOF TOP UNIT
SP	SPACE
SW	SWITCH
TEL	TELEPHONE
UL	UNDERWRITERS LABORATORIES
V	VOLT
W	WIRE
WP	WEATHERPROOF

ELECTRICAL SYMBOL/ABBREVIATION LEGEND			
SYMBOL	DESCRIPTION	MTL. HGT. (UN. O.)	MTL. HGT. (UN. O.)
⏏	LIGHT SWITCH	48"	
⏏	3-WAY SWITCH	48"	
⏏	DIMMER	48"	
⏏	KEY-SWITCH	48"	
⏏	OCCUPANCY SENSOR	48"	
⏏	VACANCY SENSOR	48"	
⏏	SINGLE / DUPLEX / DOUBLE DUPLEX RECEPTACLE	18"	
⏏	RECEPTACLE WITH GROUND FAULT PROTECTION	18"	
⏏	WEATHER RESISTANT RECEPTACLE WITH WEATHERPROOF IN-USE COVER	18"	
⏏	WEATHER RESISTANT RECEPTACLE	18"	
⏏	DUPLEX / DOUBLE DUPLEX IN-FLOOR RECEPTACLE		
⏏	JUNCTION BOX		
⏏	TERMINAL LOCATION, PROVIDE BOX WITH 1/2" CONDUIT TO CEILING SPACE	60"	
⏏	SENSOR LOCATION, PROVIDE BOX WITH 1/2" CONDUIT TO CEILING SPACE	60"	
⏏	TELEPHONE JACK, PROVIDE BOX WITH 1/2" CONDUIT TO CEILING SPACE	18"	
⏏	DATA JACK, PROVIDE BOX WITH 3/4" CONDUIT TO CEILING SPACE	18"	
⏏	COMBO DATA/TEL. JACK, PROVIDE BOX WITH 3/4" CONDUIT TO CEILING SPACE	18"	
⏏	COMBO DATA/TEL. IN FLOOR JACK		
⏏	BUTTON	48"	
⏏	BELOW-SEIZER		
⏏	PANELBOARD		
⏏	MOTOR		
⏏	NON-FUSED DISCONNECT		
⏏	FUSED DISCONNECT		
⏏	STARTER/FUSED DISCONNECT		
⏏	PULL STATION	48"	
⏏	HORNSTROBE (CD = CANDELA RATING)	60"	
⏏	CEILING MOUNTED HORNSTROBE (CD = CANDELA RATING)		
⏏	STROBE (CD = CANDELA RATING)	60"	
⏏	DUCT SMOKE DETECTOR		
⏏	SMOKE DETECTOR		
⏏	TAMPER SWITCH		
⏏	FLOW SWITCH		
⏏	REMOTE TEST SWITCH		
⏏	FIRE ALARM CONTROL PANEL		
⏏	FIRE ALARM ANNUNCIATOR PANEL		

SCOT ARCHITECT
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SEVERNA PARK, MD 21146

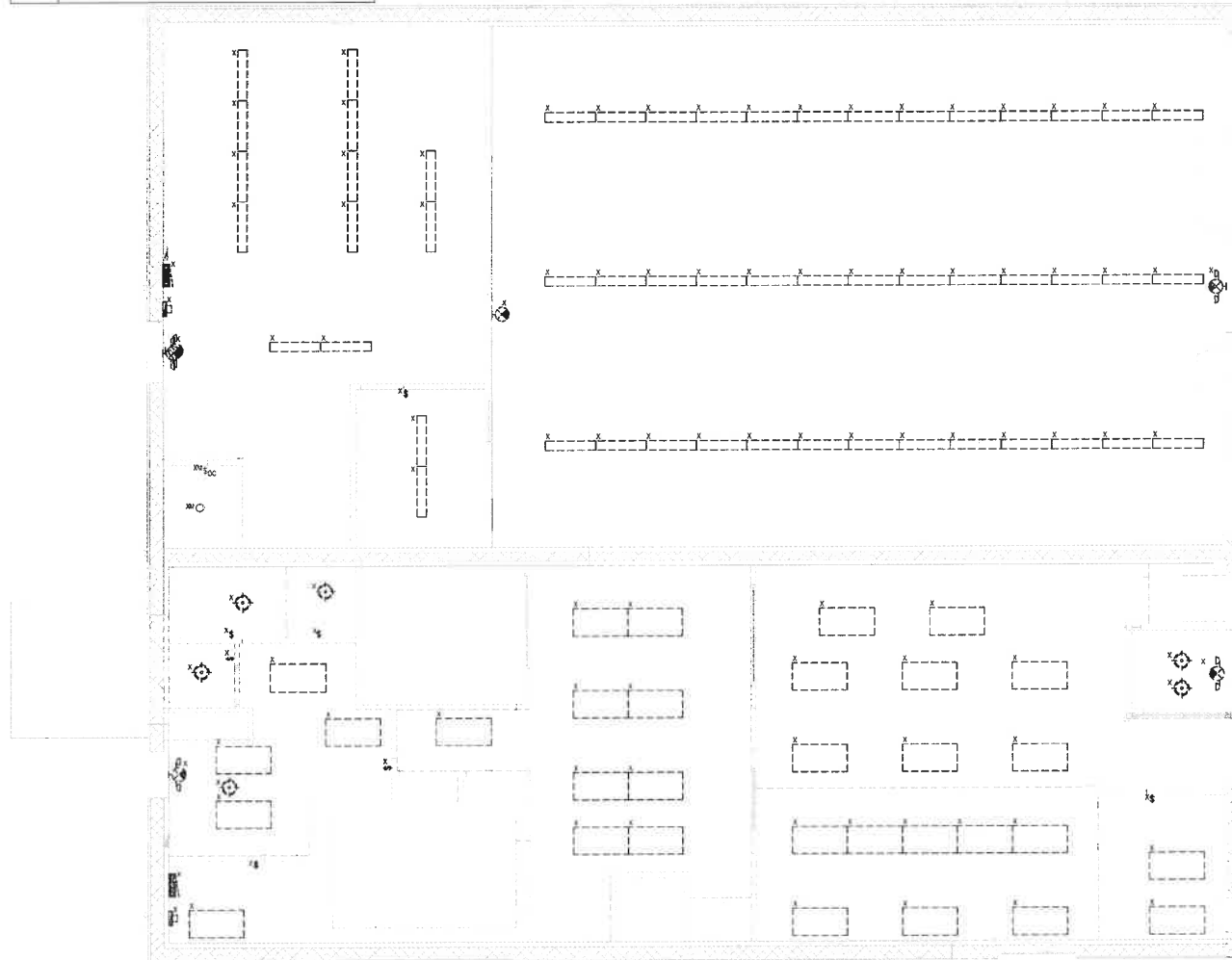
Project No.: 24-0774
Drawn By: LY
Date: 01-31-25
Issue: Permit Set

E001

ELECTRICAL DATA SHEET

[illegible]

DEMOLITION ANNOTATION LEGEND	
72*	DEMOTES EXISTING DEVEICEMENT/TO BE RELOCATED IN ITS ENTIRETY MAINTAIN ALL BRAND/CIRCUIT WIRING, CONDUIT, ETC. FOR RELOCATION TO NEW LOCATION (CON) INDICATED ON NEW WORK DRAWINGS
73*	DEMOTES NEW LOCATION OF EXISTING RELOCATED (CON) DEVEICEMENT/ REWORK ALL BRAND/CIRCUIT WIRING, CONDUIT, ETC. TO NEW LOCATION(S) REQUIRED.
74*	DEMOTES EXISTING DEVEICEMENT/TO BE MAINTAINED.
75*	DEMOTES EXISTING DEVEICEMENT/TO BE DISCONNECTED AND REMOVED COMPLETE BACK TO SOURCE OR NEXT ACTIVE DEVICE BEING MAINTAINED (THIS NOTED BY OFFSHORE.



ELECTRICAL DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

Professional Certification (Electrical)
I certify that these documents were prepared or approved by me, and that I am a duly licensed electrical engineer under the laws of the State of Maryland, license number 61478 expiration date 8/1/2025.

ARCHITECT
811 Croomwell Park Drive, Suite 113
Clen Burnie, Maryland 21061
410.863.1902 enrycreative.com

TESTS
NOT

Design and construction documents as instruments of service are given in accordance and remain the property of First Class Architects. The use of the design and these construction documents for purposes other than the specific project noted herein is strictly prohibited without expressed written consent of First Class Architects.

SHERWIN WILLIAMS #5178
530 GOVERNOR RITCHIE HIGHWAY
SEVERNA PARK, MD 21146

Project No.:	24.0774
Drawn By:	LY
Date	Issue
01-31-25	Permit Set

ED101

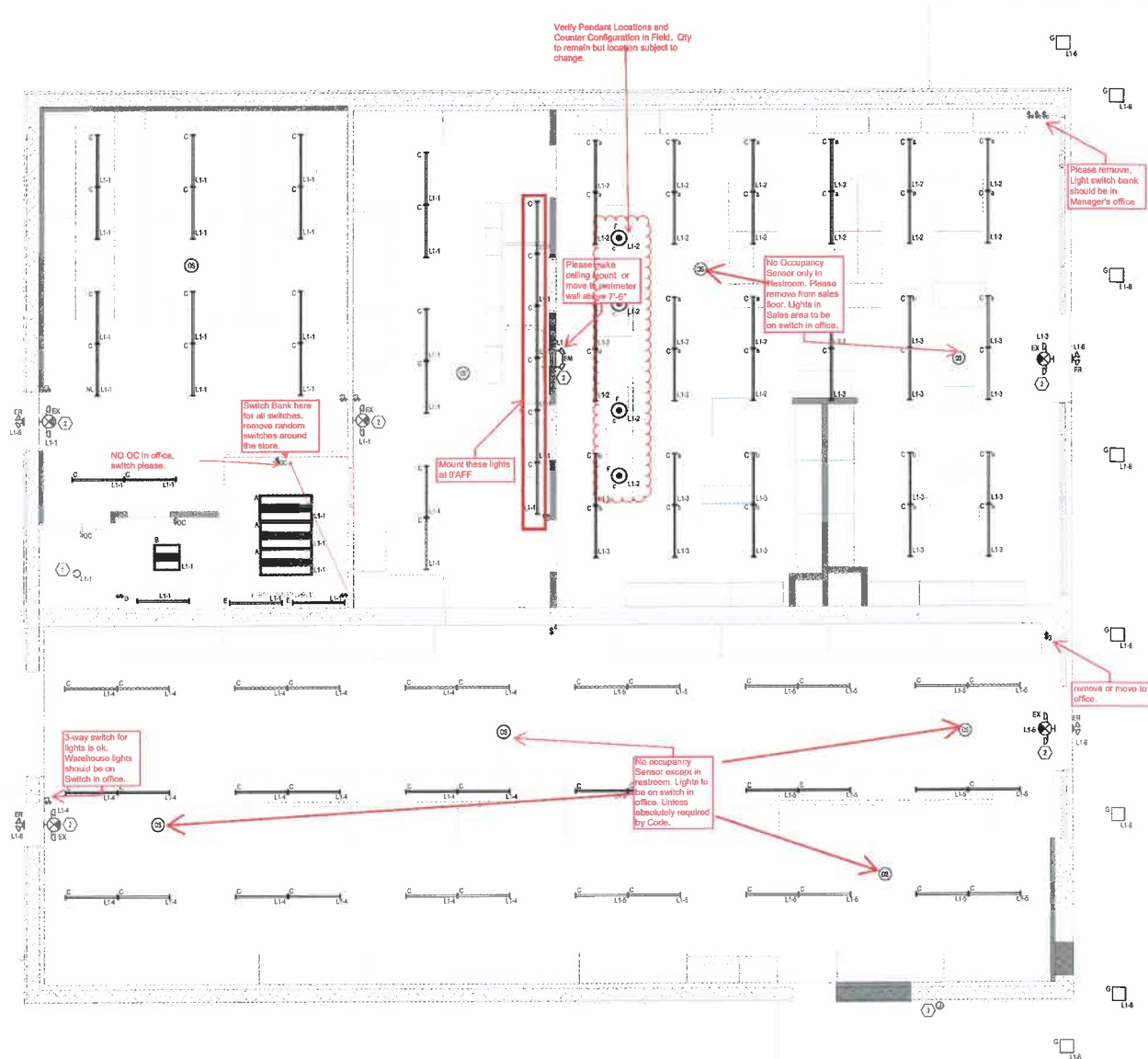
ELECTRICAL DEMOLITION
PLAN

GENERAL NOTES:

- ALL DEVICES, EQUIPMENT, FIXTURES, ETC. MUST BE GROUNDED BY USE OF A PROPERLY SIZED GROUNDING CONDUCTOR. MECHANICAL/ELECTRICAL BORDERS OF THE METALLIC RACEWAY SYSTEM SHALL ALSO BE MAINTAINED.
- BRANCH CIRCUIT WIRE SIZES AND CONDUITS SHALL BE INCREASED FROM THOSE INDICATED ON THE PLANS TO PREVENT EXCESSIVE VOLTAGE DROP. BRANCH CIRCUITS SHALL BE INSTALLED WITH WIRES OF SUFFICIENT SIZE SO THAT VOLTAGE DROP BETWEEN THE PANEL AND THE LOAD DOES NOT EXCEED A LIMIT OF 3%.
- CIRCUITS MAY BE COMBINED IN CONDUIT PROVIDED WIRE IS PROPERLY IDENTIFIED AND CONDUIT SIZED PER CODE. UNDER NO CIRCUMSTANCES SHALL MORE THAN NINE (9) CURRENT CARRYING CONDUCTORS BE RUN IN A SINGLE CONDUIT.
- ALL CONDUITS SHALL CONTAIN A GROUND WIRE. EED PER NEC TABLE 400.122 WHERE CIRCUIT CONDUCTORS ARE INCREASED IN SIZE FOR VOLTAGE DROP, THE GROUND WIRE SIZE SHALL BE INCREASED PROPORTIONATELY ACCORDING TO CIRCULAR MIL AREA FROM THE SIZE REQUIRED BY NEC TABLE 400.122.
- EXPOSED CONDUITS, WHERE PERMITTED, SHALL BE RUN PARALLEL TO OR AT RIGHT ANGLES TO BUILDING STRUCTURAL MEMBERS.
- ALL DEVICE COVER PLATES SHALL BE WHITE UNLESS NOTED OTHERWISE.
- PROVIDE FUNCTIONAL TESTING FOR LIGHTING CONTROLS AND ALL REQUIRED REPORTING AND DOCUMENTATION PER ENERGY CODE REQUIREMENTS.

KEYED NOTE SCHEDULE

- CONNECT TO THE EXISTING CIRCUIT SERVING THE AREA.
- WIRE FUTURE AHEAD OF ANY LIGHTING CONTROL DEVICES.



ELECTRICAL LIGHTING PLAN
SCALE: 1/4" = 1'-0"

Professional Certification (Electrician)
I hereby declare that the work depicted on these plans was prepared or approved by me, and that I am a duly licensed electrical engineer - when the work of the State of Maryland, License Number 11472 expires June 30, 2022.

SCOT ARCHITECT
LOISELLE
1111 Connecticut Ave., Suite 1110
Columbia, Maryland 21001
410.583.1302 scotarchitect.com

SHERWIN WILLIAMS #5178
530 GOVERNOR RITCHIE HIGHWAY
SEVERNA PARK, MD 21146

Project No.: 24.0774
Drawn By: LY
Date: 01-21-25
Permit Set

E101

ELECTRICAL LIGHTING PLAN

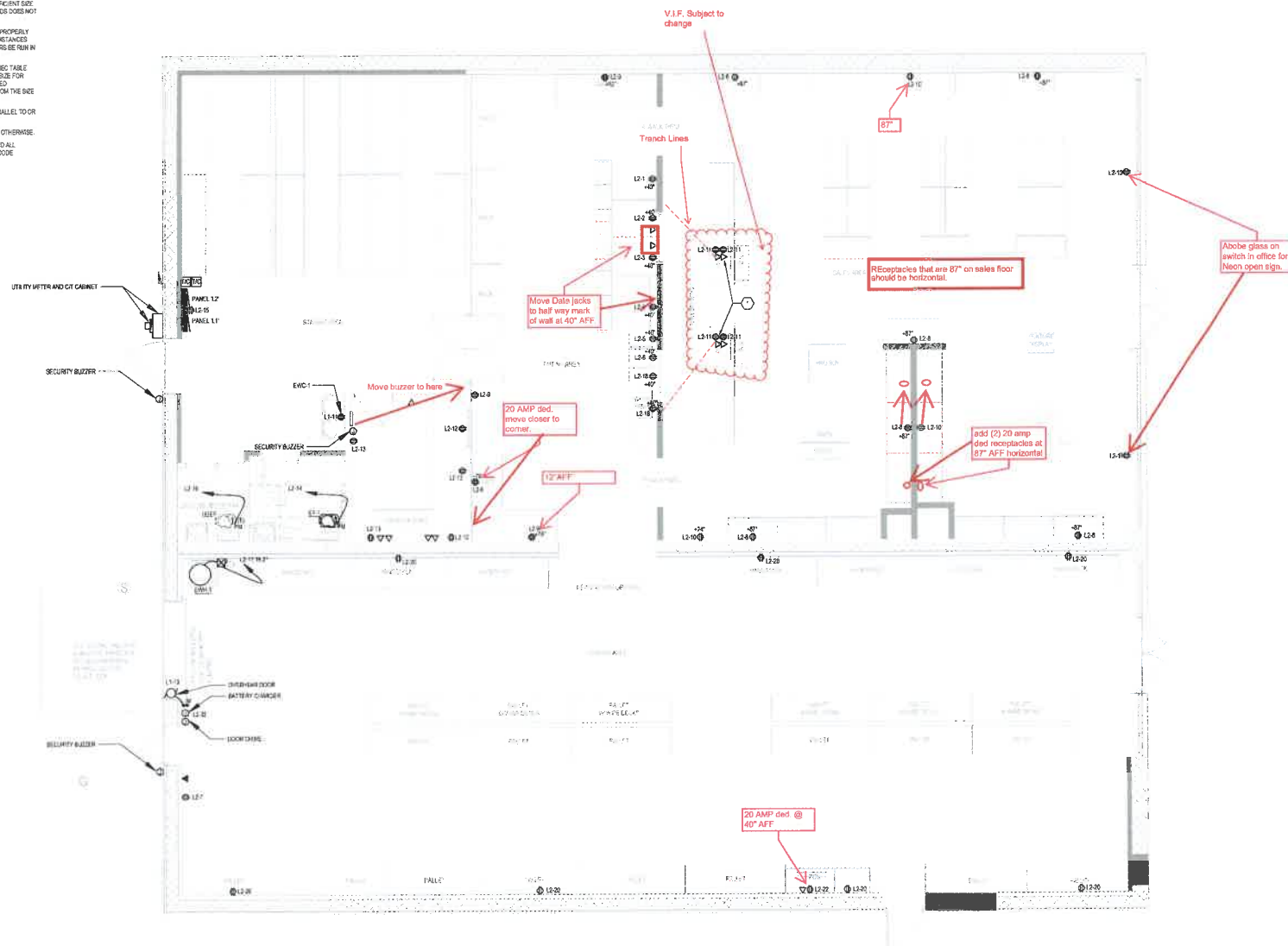
Professional Certification (Electrical):
I certify that these calculations were prepared or approved by me, and
that I am a duly licensed electrical engineer under the laws of the State
of Maryland, license number 014783 expiring date 01/01/2020.

GENERAL NOTES:

- ALL DEVICES, EQUIPMENT, FIXTURES, ETC. MUST BE GROUNDED BY USE OF A PROPERLY SIZED GROUNDING CONDUCTOR. MECHANICAL ELECTRICAL JOINTS OF THE METALLIC RACEWAY SYSTEM SHALL ALSO BE MAINTAINED.
- BRANCH CIRCUIT WIRE SIZES (AND CONDUITS) SHALL BE INCREASED FROM THOSE INDICATED ON THE PLANS TO PREVENT EXCESSIVE VOLTAGE DROP. BRANCH CIRCUITS SHALL BE INSTALLED WITH WIRES OF SUFFICIENT SIZE SO THAT VOLTAGE DROP BETWEEN THE PANEL AND THE LOAD DOES NOT EXCEED A MAX OF 3%.
- CIRCUITS MAY BE COMBINED IN CONDUIT PROVIDED WIRE IS PROPERLY DERATED AND CONDUIT SIZED PER CODE UNDER NO CIRCUMSTANCES SHALL MORE THAN NINE (9) CURRENT CARRYING CONDUCTORS BE RUN IN A SINGLE CONDUIT.
- ALL CONDUITS SHALL CONTAIN A GROUND WIRE SIZED PER NEC TABLE 400.102. WHERE CIRCUIT CONDUCTORS ARE INCREASED IN SIZE FOR VOLTAGE DROP, THE GROUND WIRE SIZE SHALL BE INCREASED PROPORTIONATELY (ACCORDING TO CIRCULAR MIL AREA) FROM THE SIZE REQUIRED BY NEC TABLE 400.102.
- EXPOSED CONDUITS, WHERE PERMITTED, SHALL BE RUN PARALLEL TO OR AT RIGHT ANGLES TO BUILDING STRUCTURAL MEMBERS.
- ALL DEVICE COVER PLATES SHALL BE WHITE UNLESS NOTED OTHERWISE.
- PROVIDE FUNCTIONAL TESTING FOR LIGHTING CONTROLS AND ALL REQUIRED REPORTING AND DOCUMENTATION PER ENERGY CODE REQUIREMENTS.

KEYED NOTE SCHEDULE

- Change to trench to Window Wall with stub up 8" - 2" empty data with pull string and another conduit for POS electric.
- DUAL CHANNEL POWER POLE FOR POWER AND DATA
 - MOUNT STOREFRONT RECEPTACLE ABOVE WINDOW.



ELECTRICAL POWER PLAN
SCALE: 1/8\"/>

ARCHITECT
SCOT LOISELLE
3311 Corporate Park Drive, Suite 113
Gaithersburg, Maryland 20878
410.288.7000 or 410.288.7001

SHERWIN WILLIAMS #5178
530 GORHAM RICHIE HIGHWAY
SEVERNA PARK, MD 21146

Project No.: 24.0774
Drawn By: LY
Date: 01-31-25
Issue: Permit Set

E102

ELECTRICAL POWER PLAN

- A. ALL DEVICES, COMPONENTS, FITTINGS ETC. MUST BE GUARANTEED BY THE MANUFACTURER TO BE PROPERLY SPECIFIED SOUNDING CONSTRUCTION. MECHANICAL ELECTRICAL PLUMBING AND OTHER TRADES SHALL BE RESPONSIBLE FOR THE PROTECTION OF THESE DEVICES.
- B. BREAKER CIRCUIT WIRING RUNS AND CONDUITS SHALL BE INCREASED FROM THOSE INDICATED ON THE PLANS TO PROVIDE EXCESSIVE VOLTAGE DROP. VOLTAGE DROP SHALL NOT EXCEED 3% BETWEEN THE PANEL AND THE LOADS DOES NOT EXCEED A MAXIMUM OF 3%.
- C. CIRCUITS MAY BE COMBINED IN CONDUIT PROVIDED THERE IS PROPER IDENTIFICATION OF EACH CIRCUIT UNDER NO CIRCUMSTANCES SHALL MORE THAN THREE (3) CURRENT CARRYING CONDUCTORS BE RUN IN A SINGLE CONDUIT.
- D. ALL CONDUITS SHALL CONTAIN A GROUNDING SIZE PER NEC TABLE 310-16 WHERE CONDUIT CONDITIONS ARE INCREASED IN SIZE FOR VOLTAGE DROP. CONDUITS SHALL BE IDENTIFIED BY COLOR OR BY TAGGING WITH ALUMINUM OR STAINLESS STEEL IDENTIFICATION TAGS REQUIRED BY NEC TABLE 400-10.
- E. EXPOSED CONDUITS WHERE PERMITTED SHALL BE PAINTED BLACK OR WHITE TO MATCH SURROUNDING ENVIRONMENT.
- F. ALL DEVICE COVER PLATES SHALL BE WHITE UNLESS NOT OTHERWISE SPECIFIED.
- G. PROVIDE FUNCTIONAL TESTING FOR LIGHTING CONTROLS AND ALL REQUIRED REPORTING AND DOCUMENTATION FOR ENERGY CODE AND RECORD SET.

1 CONTRACTOR SHALL EXTEND EXISTING CONDUIT AND WIRING FROM LOCATION SHOWN ON PLAN TO NEW PANEL 12 AS REQUIRED.

Professional Certification (Electrical):
I certify that these documents were prepared or approved by me, and
that I am a duly licensed electrical engineer under the laws of the State
of Maryland, license number 81478, expiration date 8/12/2015.

ELECTRICAL ROOF PLAN

**SCOT
LOISELLE** ARCHITECT

811 Cromwell Park Drive, Suite 113
Crestview, Maryland 21061
410.893.1302 info@scotloiselle.com

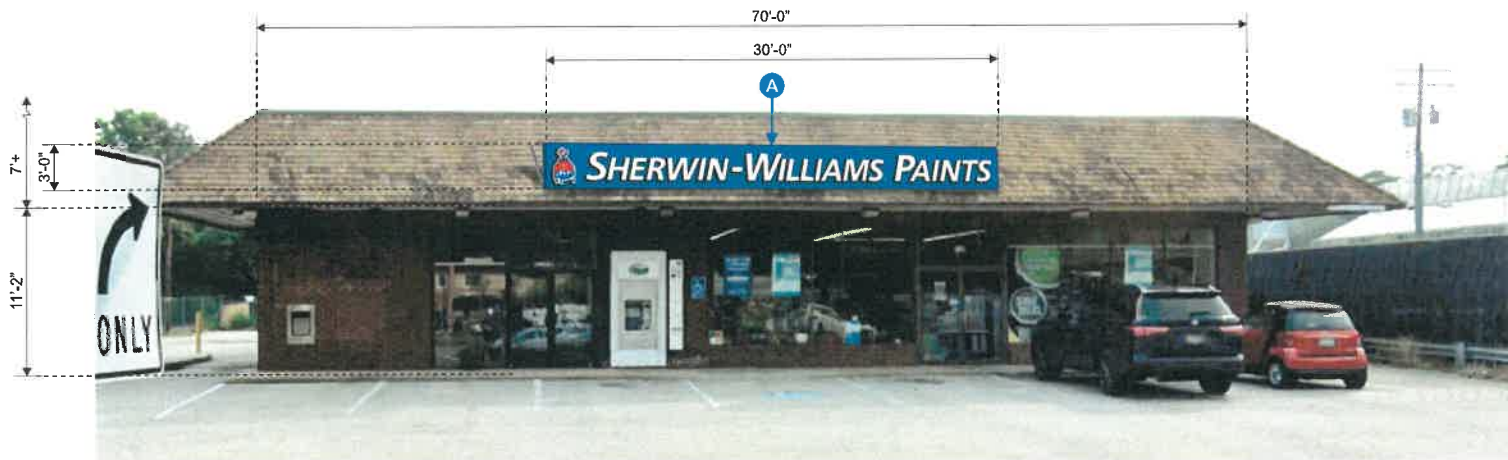
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SHERWIN WILLIAMS #5178
530 GOVERNOR RITCHIE HIGHWAY
SEVERNA PARK, MD 21146

Project No.:	24.0774
Drawn By:	LY
Date	Issue
01-31-25	Permit Set

E103

ELECTRICAL ROOF PLAN



EAST ELEVATION - STOREFRONT

Scale: 1/8" = 1'-0"

EXISTING CONDITIONS



12% of storefront facade = 93.7 sq. ft. maximum

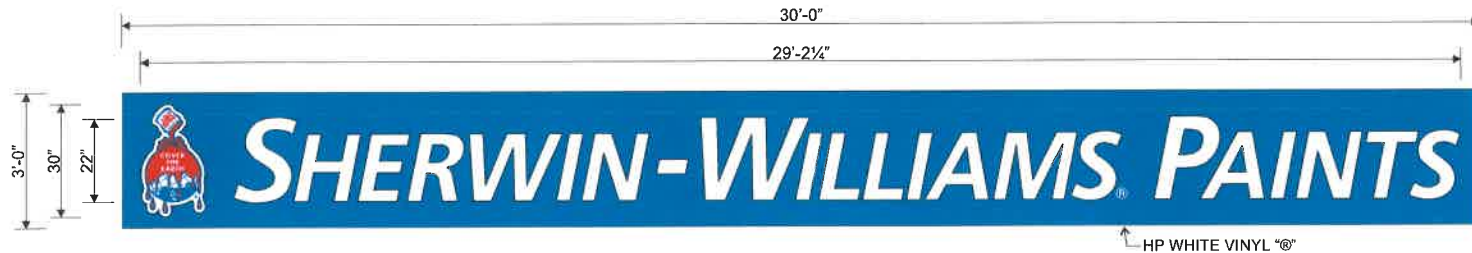
DATE	REVISIONS	NAME	AUTHORIZATION
-2022	X	X	KD

CLIENT	DATE
ACCOUNT EXECUTIVE	DATE
LANDLORD	DATE
ALL CHANGES MUST BE INITIALED BY CLIENT AND ACCOUNT EXECUTIVE ON FINAL APPROVED PRINT.	

This drawing is the exclusive property of Accent Graphics, Inc. and is the result of the original work of its employees. The plans are provided to your company for the sole purpose of considering the purchase of a sign manufactured by Accent Graphics, Inc. based on these plans. ON the purchase of the plans and design concepts contained therein for manufacture elsewhere. Distribution or exhibition of the plans to anyone outside of your company or the use of the plans by others to manufacture or design a similar sign as displayed in the plans is expressly forbidden. In the event that such exhibition occurs, Accent Graphics will expect payment of a minimum \$2000 design fee in recompense for the time and effort entailed to produce the plans.

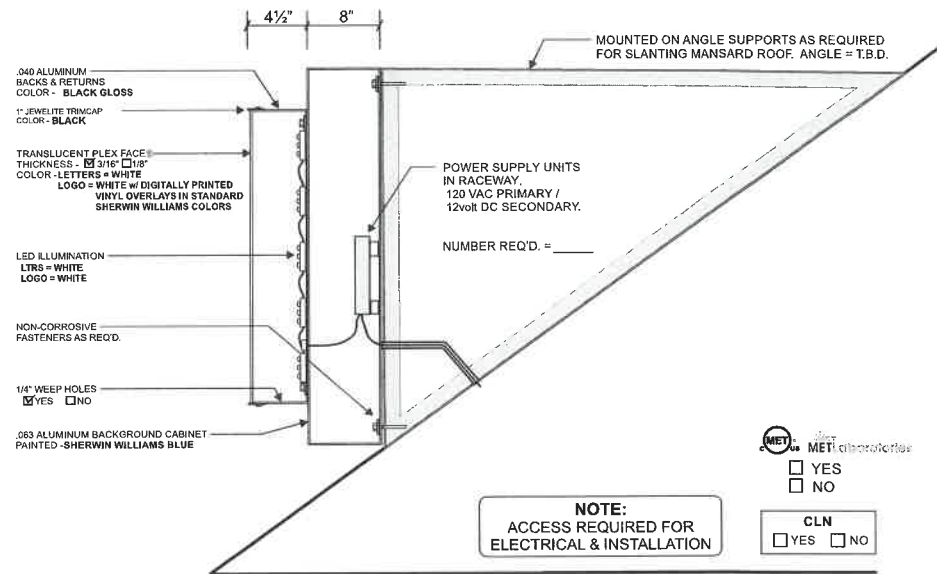
CLIENT SHERWIN WILLIAMS STORE #
 INSTALLATION ADDRESS 530 RITCHIE HWY | Severna Park , MD 21146
 DESIGNER KD ACCOUNT EXECUTIVE DM
 DATE 01-03-2024 SHEET 2 OF 7 DESIGN # 231522-01
 Gerber FILE =
 Corel FILE =

accent graphics
 COMPLETE SIGN SERVICE & FABRICATION
 523 E. ROCK ISLAND
 GRAND PRAIRIE, TX 75050
 TOLL FREE (800) 810-3044
 METRO (972) 399-0333
 FAX (972) 986-4456
 EMAIL
 WEBSITE www.accentgraphicsinc.com FAX (800) 810-3045



A PLEX FACE CHANNEL LETTERS ON BACKGROUND RACEWAY
(1) SET REQUIRED

90 Sq Ft
Scale: 3/8" = 1'-0"



INSTALLATION REQUIREMENTS for all signs unless specified otherwise on individual sign specifications.
Variation from this criteria without written approval from Accent Graphics is strictly forbidden.
* All freestanding signs are to be engineered for local conditions by a licensed and registered engineer.

SIGN SIZE	MOUNTING SURFACE							
	SQUARE FOOTAGE	WOOD	SHEET METAL	BRICK	CONCRETE	CONCRETE BLOCK	DRYVIT / EIFS	STUCCO over wire mesh
UNDER 10 SQ. FT.	3/8" THRU BOLTS w/ 2 angle iron backer A minimum of (4) 3/8" bolts are required.	3/8" THRU BOLTS w/ 2 angle iron backer A minimum of (4) 3/8" bolts are required.	3/8" THRU BOLTS w/ 2 angle iron backer A minimum of (4) 3/8" bolts are required.	3/8" LEAD ANCHORS A minimum of (4) 3/8" bolts are required.	3/8" LEAD ANCHORS A minimum of (4) 3/8" bolts are required.	3/8" TOGGLE A minimum of (4) 3/8" bolts are required.	3/8" THRU BOLTS w/ 2 angle iron backer A minimum of (4) 3/8" bolts are required.	3/8" THRU BOLTS w/ 2 angle iron backer A minimum of (4) 3/8" bolts are required.
10 SQ. FT. TO 50 SQ. FT.	3/8" THRU BOLTS w/ 2 angle iron backer A minimum of (4) 3/8" bolts are required.	3/8" THRU BOLTS w/ 2 angle iron backer A minimum of (4) 3/8" bolts are required.	3/8" THRU BOLTS w/ 2 angle iron backer A minimum of (4) 3/8" bolts are required.	3/8" LEAD ANCHORS A minimum of (4) 3/8" bolts are required.	3/8" LEAD ANCHORS A minimum of (4) 3/8" bolts are required.	3/8" TOGGLE A minimum of (4) 3/8" bolts are required.	3/8" THRU BOLTS w/ 2 angle iron backer A minimum of (4) 3/8" bolts are required.	3/8" THRU BOLTS w/ 2 angle iron backer A minimum of (4) 3/8" bolts are required.
50 SQ. FT. TO 100 SQ. FT.	3/8" THRU BOLTS w/ 2 angle iron backer A minimum of (4) 3/8" bolts are required.	3/8" THRU BOLTS w/ 2 angle iron backer A minimum of (4) 3/8" bolts are required.	3/8" THRU BOLTS w/ 2 angle iron backer A minimum of (4) 3/8" bolts are required.	3/8" LEAD ANCHORS A minimum of (4) 3/8" bolts are required.	3/8" LEAD ANCHORS A minimum of (4) 3/8" bolts are required.	3/8" TOGGLE A minimum of (4) 3/8" bolts are required.	3/8" THRU BOLTS w/ 2 angle iron backer A minimum of (4) 3/8" bolts are required.	3/8" THRU BOLTS w/ 2 angle iron backer A minimum of (4) 3/8" bolts are required.
100 SQ. FT. TO 200 SQ. FT.	1/2" THRU BOLTS w/ 2 angle iron backer A minimum of (1) 1/2" bolt per each 10 sq. ft. is required.	1/2" THRU BOLTS w/ 2 angle iron backer A minimum of (1) 1/2" bolt per each 10 sq. ft. is required.	1/2" THRU BOLTS w/ 2 angle iron backer A minimum of (1) 1/2" bolt per each 10 sq. ft. is required.	1/2" LEAD ANCHORS A minimum of (1) 1/2" bolt per each 10 sq. ft. is required.	1/2" LEAD ANCHORS A minimum of (1) 1/2" bolt per each 10 sq. ft. is required.	1/2" TOGGLE A minimum of (1) 1/2" bolt per each 10 sq. ft. is required.	1/2" THRU BOLTS w/ 2 angle iron backer A minimum of (1) 1/2" bolt per each 10 sq. ft. is required.	1/2" THRU BOLTS w/ 2 angle iron backer A minimum of (1) 1/2" bolt per each 10 sq. ft. is required.
OVER 200 SQ. FT.	REQUIRES SPECIAL ENGINEERING	REQUIRES SPECIAL ENGINEERING	REQUIRES SPECIAL ENGINEERING	REQUIRES SPECIAL ENGINEERING	REQUIRES SPECIAL ENGINEERING	REQUIRES SPECIAL ENGINEERING	REQUIRES SPECIAL ENGINEERING	REQUIRES SPECIAL ENGINEERING

Backers = 24" or 36" long steel angle (1 1/2" x 1/2" min.)

SECTION DETAIL - PLEX FACE CHAN LTRS on BACKGROUND RACEWAY

Scale: NTS

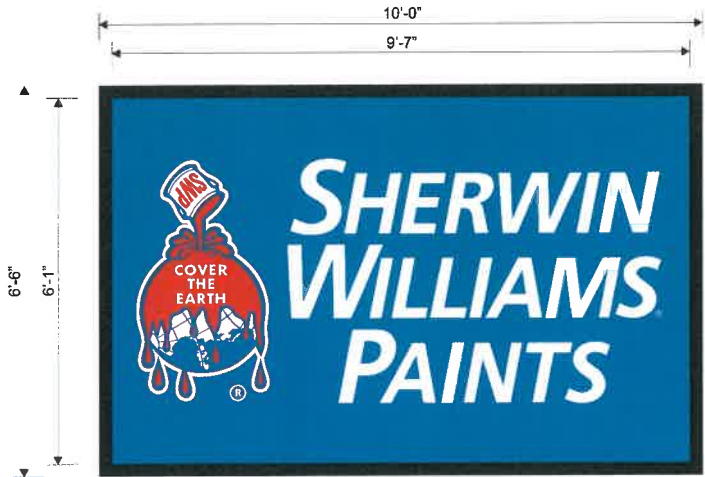
DATE	REVISIONS	NAME	AUTHORIZATION
-2022	X	X	KD

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CLIENT **SHERWIN WILLIAMS** STORE # _____
INSTALLATION ADDRESS
530 RITCHIE HWY | Severna Park, MD 21146
DESIGNER **KD** ACCOUNT EXECUTIVE **DM**
DATE **01-03-2024** SHEET **1** OF **7** DESIGN # **231522-01**
Gerber FILE = _____
Corel FILE = _____

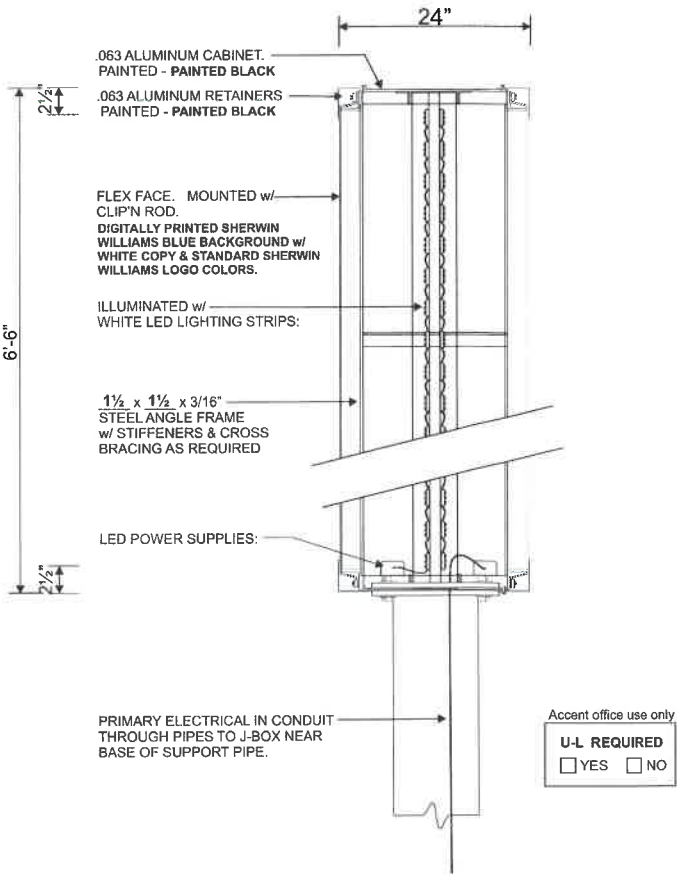
accent graphics
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EMAIL www.accentgraphicsinc.com
WEBSITE www.accentgraphicsinc.com FAX (800) 810-3045

ME #: 70858



B D/F POLE SIGN CABINET W/ FLEX FACES 65 SQ. FT.
QTY: (1) REQUIRED Scale: 1/2" = 1'-0"

- REMOVE AND REPLACE POLE SIGN CABINET
- * FLEX FACES W/ DIGITALLY PRINTED SHERWIN WILLIAMS BLUE BACKGROUND w/ WHITE COPY & STANDARD SHERWIN WILLIAMS LOGO COLORS.
 - * CABINET & RETAINERS - BLACK.
 - * REMOVE DIGITAL EMC AND DECORATIVE ALUMINUM FEATURES
 - * PAINT EXISTING POLE BLACK



SECTION DETAIL - D/F POLE SIGN w/ FLEX FACES

Scale: NTS

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. 32828, EXPIRATION DATE: 4/28/2026

McFarland Engineering
183 Edgewater Ct.
Mocksville, NC 27028
Structural Sign Design
& Engineering Services

Ph: (281) 813-7439
Email: sean@signstructures.com
Web: www.signstructures.com

SHERWIN WILLIAMS
Address: 530 RITCHIE HWY
City/State: SEVERNA PARK, MD

Client: ACCENT GRAPHICS

ENGINEERING OF
VERTICAL SUPPORT AND
FOUNDATION ONLY.
NO CABINET ENGINEERING
PROVIDED OR IMPLIED.

Initial Drawing: (70858) DS

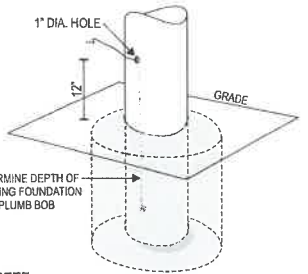
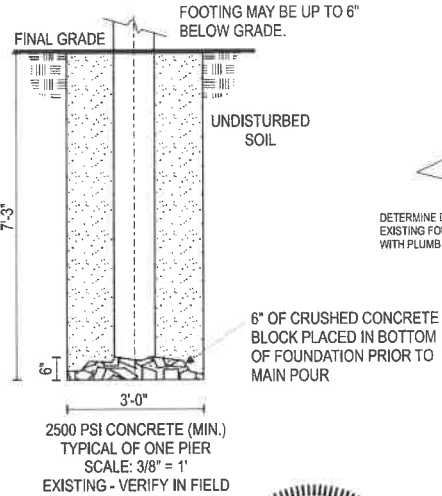
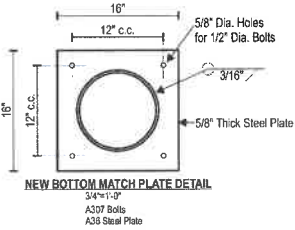
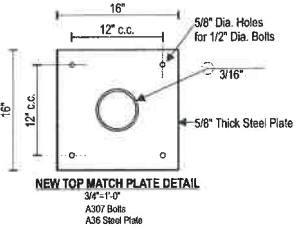
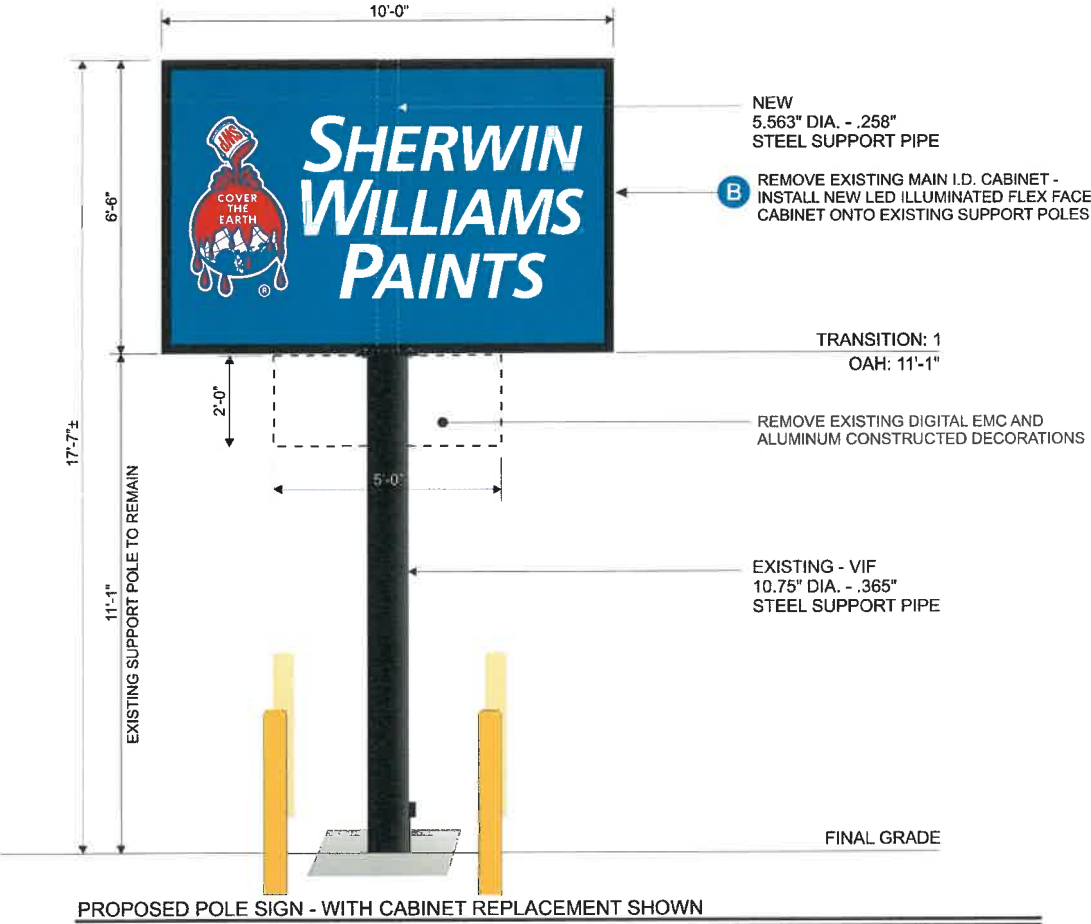


The electronic seal appearing on this document was authorized by Sean M. McFarland, PE on May 8, 2025.

Date: 5-8-2025
Sheet #: 1 OF 2

NC Firm Registration: F-1135
Maryland License Number: 32828
Maryland Expiration Date: 4/28/2026

ME #: 70858



NIGHT VIEW

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. 32828, EXPIRATION DATE: 4/28/2026



181 Edgewater Ct.
Mocksville, NC 27028

Structural Sign Design
&
Engineering Services

Ph: (281) 813-7439
Email: sean@signstructures.com
Web: www.signstructures.com

SHERWIN WILLIAMS

Address: 530 RITCHIE HWY
City/State: SEVERNA PARK, MD

Client: ACCENT GRAPHICS

ENGINEERING OF
VERTICAL SUPPORT AND
FOUNDATION ONLY.
NO CABINET ENGINEERING
PROVIDED OR IMPLIED.

Initial Drawing: (70858) DS



The electronic seal appearing on this document was authorized by Sean M. McFarland, PE on May 8, 2025.

Date: 5-8-2025

Sheet #: 2 OF 2

NC Firm Registration: F-1136
Maryland License Number: 32828
Maryland Expiration Date: 4/28/2026

Date:	5/8/25	City, State:	Severna Park, MD	SHEET:	1 OF 3
Client:	Accent Graphics	Overall Height:	17'-7"	Sean M. McFarland, P.E.	
Sign:	Sherwin Williams	Wind Speed	115 mph	McFarland Engineering	

Sign Description **530 Ritchie Hwy****Table of Contents**

# Columns: 1		Content:	Page
ME Job: 70858 B	NEW CABINET & MATCH PLATES	Design Loads	1
	EXISTING BASE PIPE & FOOTING	Support Design.	1-2
Height: 6'-6"	ULTIMATE LOADS	General Notes	3
Width: 10'-0"			

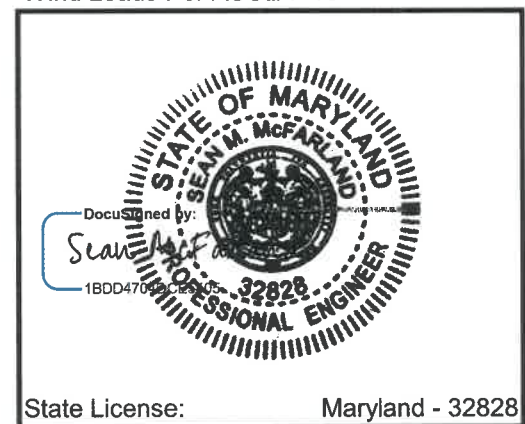
Structural Variables and Code Loading Specifications

Cabinet Type:	Miscellaneous	▼
Structural Section:	Steel Pipe - 35000psi	▼
Number of Zones:	2	▼

Code:	2021 IBC	▼
Wind Speed:	115	▼
Wind Exposure:	C	▼
Wind Loads Per ASCE 7-16		

Sign Sections:

Zone	Cabinet Wt. Per Sq. Ft.	Weight	Transition (Y or N)
1	20 ▼	14.6 #/FT	y
2	0 ▼	40.5 #/FT	y
3	0 ▼		
4	0 ▼		
5	0 ▼		
6	0 ▼		
7	0 ▼		
8	0 ▼		

**Geometry:**

Zone	Top Elevation	Height	* Approx. Width Width	Pressure	Force	Approx. Weight
1	17.58 FT	6.50 FT	10.00 FT *	26.72 PSF	1.74 K	1,395 #
2	11.08 FT	11.08 FT	0.90 FT *	11.48 PSF	0.11 K	449 #

Total Wind Force = 1.85 K 1,844 #

Date:	5/8/25	City, State:	Severna Park, MD	SHEET:	2 OF 3
Client:	Accent Graphics	Overall Height:	17'-7"	Sean M. McFarland, P.E.	
Sign:	Sherwin Williams	Wind Speed	115 mph	McFarland Engineering	

530 Ritchie Hwy

ME Job: 70858 B

Moments at Transitions:

Zone	Lateral Force	2 Mom. Arm	1 Mom. Arm
1	1.74 K	14.33 FT	3.25 FT
2	0.11 K	5.54 FT	
		25.52 K-FT	5.65 K-FT
Section Properties:		13.26 IN^3	2.44 IN^3

Structural Sections to be used:

Zone	Option	Pipe (VIF) Dim.	Wall t.	Weight	Sxx	d/t	Sxx Req'd
2	Pipe (VIF)	10.75 IN	0.365 IN	40.5 #/FT	28.11 IN^3	29.45	13.26 IN^3
1	Pipe (New)	5.56 IN	0.258 IN	14.6 #/FT	5.12 IN^3	21.50	2.44 IN^3

Structure Required

# Req'd	Size	Wall Thickness
1	10.75 IN	0.365 IN
1	5.56 IN	0.258 IN

Date: 5/8/25	City, State: Severna Park, MD	SHEET: 3 OF 3
Client: Accent Graphics	Overall Height: 17'-7"	Sean M. McFarland, P.E.
Sign: Sherwin Williams	Wind Speed 115 mph	McFarland Engineering

530 Ritchie Hwy

ME Job: 70858 B

One Pier Footing (VIF)

Block Footing Design:

Select the footing and soil type:

$$d = A / 2 * (1 + (1 + (4.36 * h) / A)^{1/2})$$

$$\text{where } A = (2.34 * P) / (S1 * b)$$

Footing:	Round	▼
Vert. Soil Bearing (psf):	1500	▼
Lat. Soil Bearing (psf):	150	▼

Mmax =	25,523 #-FT
Pmax (Lateral) =	1,851 #
LSBP =	150 PCF
S1 =	681 PCF X d
d =	3.000 FT

A =	2.12 FT^2
h =	13.789 FT
d =	6.804 FT

USE: 3.00 FT. RND. X 7.25 FT DEEP PIER (VIF - PLUMB BOB)

Soil Bearing Check:

DLmax =	1,844 LBS
Area of Footing =	7.07 FT^2
Actual SBP =	261 PSF
Allowable SBP =	1,350 PSF (Includes code allowed 20% increase for every foot of footing below 12" into natural grade.)

261 PSF < 1,350 PSF THEREFORE OK

Matchplate Design - New

D = 10.75 IN	A36 Steel	Fy= 36ksi
e = 0.63 IN	E70 Electrodes	Fw= 928 #/in/16th
b eff = 3.95 IN	A307 A.B.'s	Ft=20 ksi
e eff = 2.25 IN	# of Bolts = 4	Dia. Bolt 0.5
plate t = 0.63 IN	Column Mom =	5,645 #-FT

P Bolt =	$\frac{M * 12 \text{ (in/ft)}}{2 \text{ bolts (D + e + t)}}$	2,823 #	<	3,926 #
t req'd =	$[(6 * P * e \text{ eff} * 1 \text{ bolt}) / (.75 * Fy (b \text{ eff} + 2 * t))]^{1/2}$	.521 IN	<	0.63 IN
Weld =	$\frac{M * 12 \text{ (in/ft)}}{Fw (3.1415 * D^2 / 4)}$	0.80 16th's	<	3.00 16th's

USE: (4) 1/2" Dia. Bolts w/ 5/8" Matchplate. Weld to Support with (1) 3/16" Fillet Weld.