☐ KEYED FINISH NOTES

NO.	NOTE
1	PROVIDE MANUALLY OPERATED SINGLE ROLLER SHADE.
2	PROVIDE MANUALLY OPERATED DOUBLE ROLLER SHADE.

WALLS
BASE
FLOOR

ROOM FINISH SCHEDULE - LEVEL 01

ROOM NO.	ROOM NAME	FLOOR FINISH	WALL BASE MATL	WALL BASE HGT	WALL FINISH	COMMENTS
001	POLICE RECEPTION	CPT-01	RWB-01	4"	PT-01	
001A	WORKROOM	LVT-01	RWB-01	4"	PT-01	
002	SECURE VESTIBULE	LVT-01	RWB-01	4"	PT-01, WP-01	WP-01 UP TO 6' A.F.F.
003	SOFT INTERVIEW	CPT-01	RWB-01	4"	PT-01	
004	JAN CL	EP-02	RWB-01	4"	FRP-01	
005	TLT	CT-01	CT-03	3"	CT-02	
006	FLEX OFFICE	CPT-01	RWB-01	4"	PT-01	
007	CHIEFS OFFICE	CPT-01	RWB-01	4"	PT-01	
008	CORPORAL OFFICE	CPT-01	RWB-01	4"	PT-01	
009	TRAINING	CPT-01, CPT-02	RWB-01	4"	PT-01	
010	IT - MDF	LVT-01	RWB-01	4"	PT-01	
011	FILE STG	LVT-01	RWB-01	4"	PT-01	
012	CORRIDOR	LVT-01	RWB-01	4"	PT-01, WP-01	WP-01 UP TO 6' A.F.F.
013	OFFICERS	CPT-03	RWB-01	4"	PT-01	
014	MEN'S LOCKER ROOM	CT-01	CT-03	3"	PT-01	
014A	MENS SHOWER	CT-01	CT-03	3"	CT-02	
015	BREAK ROOM	LVT-01	RWB-01	4"	PT-01	
016	VEST	CPT-04	RWB-01	4"	PT-01, WP-01	
017	ARMORY & GEAR STG	LVT-01	RWB-01	4"	PT-01	WP-01 UP TO CEILING
018	WOMEN'S LOCKER ROOM	CT-01	CT-03	3"	PT-01	
018A	WOMENS SHOWER	CT-01	CT-03	3"	CT-02	
019	MECH/ELEC/ WATER	EP-02	RWB-01	4"	PT-01	
020	PROCESSING VESTIBULE	EP-01	EWB-01	4"	PT-04	
021	OBSERVATION	EP-02	RWB-01	4"	PT-01, PT-04	
022	INTERVIEW	EP-02	RWB-01	4"	PT-04	
023	PROCESSING TLT	EP-02	RWB-01	3"	PT-04, FRP-01	
024	EVIDENCE LOG-IN & PROCESSING	EP-02	RWB-01	4"	PT-04	
025	EVIDENCE STORAGE	EP-02	RWB-01	4"	PT-04	
027	DETECTIVE	CPT-01	RWB-01	4"	PT-01	
100	ADMIN RECEPTION	CPT-01	RWB-01	4"	PT-01	
101	ADMIN WORKROOM	LVT-01	RWB-01	4"	PT-01	
102	TOWNSHIP MANAGER	CPT-01	RWB-01	4"	PT-01	
103	ACCOUNTING/ HR OFFICE	CPT-01	RWB-01	4"	PT-01	
104	TLT	CT-01	CT-03	4"	CT-02	
105	IT - IDP	LVT-01	RWB-01	4"	PT-01	
106	ZONING OFFICER	CPT-01	RWB-01	4"	PT-01	
107	FILE WORKRM & STORAGE	CPT-03	RWB-01	4"	PT-01	
108	FLEX OFFICE	CPT-01	RWB-01	4"	PT-01	
109	CAUCUS	CPT-01, CPT-02	RWB-01	4"	PT-01, PT-03	
110	MECH/ELEC/ WATER	EP-02	RWB-01	4"	PT-01	
111	BREAK ROOM	LVT-01	RWB-01	4"	PT-01, PT-02	
112	CORRIDOR	LVT-01	RWB-01	4"	PT-01	
113	VEST	CPT-04	RWB-01	4"	PT-01	
114	LOBBY	LVT-01	RWB-01	4"	PT-01	
115	BOARD CONFERENCE ROOM	CPT-03	RWB-01	4"	PT-01, PT-02	
116	STORAGE	CPT-03	RWB-01	4"	PT-01	
117	A/V CL	CPT-03	RWB-01	4"	PT-01	
118	PUBLIC RESTROOM - MEN	CT-01	CT-03	3"	CT-02	
119	PUBLIC RESTROOM - WOMEN	CT-01	CT-03	3"	CT-02	
120	JAN CL	EP-02	RWB-01	4"	FRP-01	

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

INTERIOR FINISH PLAN FLOORS

EPOXY FLOORING
Code: EP-01
Basis of Design: Key Resin
Product: Key Mortar SLT
Color: Color to be selected by architect from manufacturer's full range

EPOXY PAINT
Code: EP-02
Basis of Design: Sherwin Williams
Product: Armoseal 8100 Water Based Epoxy
Color: Color to be selected by architect from manufacturer's full range

RESILIENT SHEET FLOORING
Code: LVT-01
Basis of Design: Shaw Contract
Product: Coded
Size: 6" x 48"
Thickness: 5 mm
Color: Convey

CERAMIC TILE
Code: CT-01
Basis of Design: Daltile
Product: Color Wheel Classic
Size: Hexagon
Color: Matte Chalkboard

CARPET TILE
Code: CPT-01
Basis of Design: Shaw Contract
Product: Upbeat Tile
Size: 18" x 36"
Color: Bubbly
Installation: Ashlar

Code: CPT-02
Basis of Design: Shaw Contract
Product: Upbeat Tile
Size: 18" x 36"
Color: Expressive
Installation: Ashlar

Code: CPT-03
Basis of Design: Shaw Contract
Product: Centered Tile
Size: 18" x 36"
Color: Expressive
Installation: Ashlar

Code: CPT-04
Basis of Design: Shaw Contract
Product: Welcome II Tile
Size: 24" x 24"
Color: Sterling
Installation: Ashlar

INTERIOR FINISH PLAN WALLS

PAINT
Code: PT-01
Basis of Design: Sherwin Williams
Color: Snowbound SW 7004
Finish: Eggshell
Location: Drywall

Code: PT-02
Basis of Design: Sherwin Williams
Color: Silverplate SW 7649
Finish: Eggshell
Location: Drywall

Code: PT-03
Basis of Design: Sherwin Williams
Color: Red Theater SW 7584
Finish: Eggshell
Location: Drywall

Code: PT-04
Basis of Design: Sherwin Williams - Epoxy
Color: Iron Ore SW 7069
Finish: Eggshell
Location: CMU

CERAMIC TILE
Code: CT-02
Basis of Design: Daltile
Product: Color Wheel Classic
Size: 3 x 6
Color: Arctic White 0190

WALL PROTECTION
Code: WP-01
Basis of Design: Inpro Corporation
Product: Palladium G2 Sheets
Color: Silver
Other: Up to 6' A.F.F.

Code: FRP-01
Basis of Design: Marlite
Product: Fiberglass Reinforced Panels
Color: White - Smooth Finish

INTERIOR FINISH PLAN BASE & OTHER

CERAMIC TILE
Code: CT-03
Basis of Design: Daltile
Product: Color Wheel Classic Cove Base
Size: 3 x 6
Color: Arctic White

RUBBER WALL BASE & ACCESSORIES
Code: RWB-01
Basis of Design: Roppe
Product: Rubber Wall Base
Size: 4" x 120" Rolls
Color: Slate

INTEGRAL COVE WALL BASE & ACCESSORIES
Code: EWB-01
Basis of Design: Key Resin
Product: Integral wall base
Size: 4"
Color: To match epoxy resin

COUNTERTOPS
Code: SS-01
Basis of Design: LX Hausys HiMacs
Product: Solid Surface
Size: 1 1/2" Thickness
Color: Pebble Pearl

PLASTIC LAMINATE
Code: PLAM-01
Basis of Design: Nevamar
Product: Plastic Laminate
Color: Burgundy

Code: PLAM-02
Basis of Design: Wilsonart
Product: Plastic Laminate
Color: Monticello Maple

Code: PLAM-03
Basis of Design: Wilsonart
Product: Plastic Laminate
Color: Oiled Bronze #6200 (419)

RESTROOM PARTITIONS/SHOWER BENCHES
Code: HPDE-01
Basis of Design: Scranton Products
Product: Hiny Hiders
Color: Concrete - Orange Peel

ACOUSTIC CEILING TILE
Code: ACT-01
Basis of Design: Armstrong Ultima #1912
NRC: .75
LRV: .90
Color: White
Edge: Beveled Tegular
Size: 24" x 24" x 3/4"
Suspension System: 9/16" Supafine XL

LINEAR WOOD CEILING
Code: WD-01
Basis of Design: Armstrong Metalworks Linear - Classics
NRC: .70
LRV: .73
Color: Effects Macadamia
Size: 4" x 96" x 5/8"

GENERAL FINISH NOTES

1. REFER TO CORRIDOR ELEVATIONS ON SHEETS A7.01- A7.01 FOR FURTHER FINISH INFORMATION.
2. REFER TO REFLECTED CEILING PLANS ON SHEETS A1.21 - A1.22 FOR SPECIFIC ACT AND GWB LOCATIONS AND HEIGHTS.
3. GC TO PAINT ALL LOCATIONS WHICH INCLUDE, BUT ARE NOT LIMITED TO, ALL EXPOSED STEEL, EXPOSED DECK, EXPOSED SPRINKLER PIPING, EXPOSED CONDUIT, EXPOSED PIPING, EXPOSED DUCTWORK. COLOR SHALL BE SELECTED BY ARCHITECT.
4. EPOXY PAINT TO BE PAINTED FULL LENGTH OF CMU WALLS AT LOCATIONS INDICATED ON FINISH SCHEDULE.
5. ALL HOLLOW METAL DOOR FRAMES TO BE PRIMED AND PAINTED. FINAL COLOR SELECTION TO BE MADE BY ARCHITECT. REFER TO DOOR SCHEDULE FOR MORE INFORMATION.
6. REFER TO DOOR SCHEDULE AND DETAILS ON SHEETS A6.00 - A6.01 FOR FLOOR TRANSITION DETAILS. GC TO COORDINATE FLOOR TRANSITIONS WITH DOORS.
7. CONTROL JOINTS IN CONCRETE SLAB AND SHOULD NOT EXCEED 15'-0". SEE SPECIFICATIONS AND DETAILS FOR SPECIFIC INFORMATION.

NOTE: DESIGN SELECTION SUMMARY: FOR REFERENCE ONLY. SEE SPECIFICATIONS FOR FULL MATERIAL DOCUMENTATION

PROJECT:
ADMINISTRATION AND POLICE DEPARTMENT BUILDING
2290 GILBERTSVILLE ROAD
POTTSTOWN, PA 19464

OWNER:
UPPER POTTSGROVE TOWNSHIP
1409 FARMINGTON AVENUE
POTTSTOWN, PA 19464

PROJECT TEAM:

ARCHITECT:
ALLOY5 ARCHITECTURE

CIVIL:
CHESTER VALLEY ENGINEERS, INC.
112 MOORES ROAD
SUITE 200
MALVERN, PA 19355
610-644-4623

STRUCTURAL:
SLATE STRUCTURAL ENGINEERS
40 SOUTH MAIN STREET
NAZARETH, PA 18064
610-365-7634

MEPF:
PROJECTX DESIGN GROUP
2433 BLUEJAY DRIVE
NAZARETH, PA 18064
610-365-2436

SUBMISSIONS:

NO.	ISSUE DESCRIPTION	DATE
	BID DOCUMENTS	03/31/25
	PERMIT SET	06/20/25

KEY PLAN:

REGISTRATION:
ALLOY5 ARCHITECTURE
530 WEST BROAD ST BETHLEHEM, PA 18018
610.419.4055

REGISTERED ARCHITECT
COMMONWEALTH OF PENNSYLVANIA
DAVID GALIOTTO JR.
No. RA-AE-062010

SHEET TITLE:
FINISH PLAN

DATE: 03/31/2025
SCALE: As indicated
DRAWN BY: Author
CHECKED BY: Checker
PROJ NO: 22-0058

A1.80

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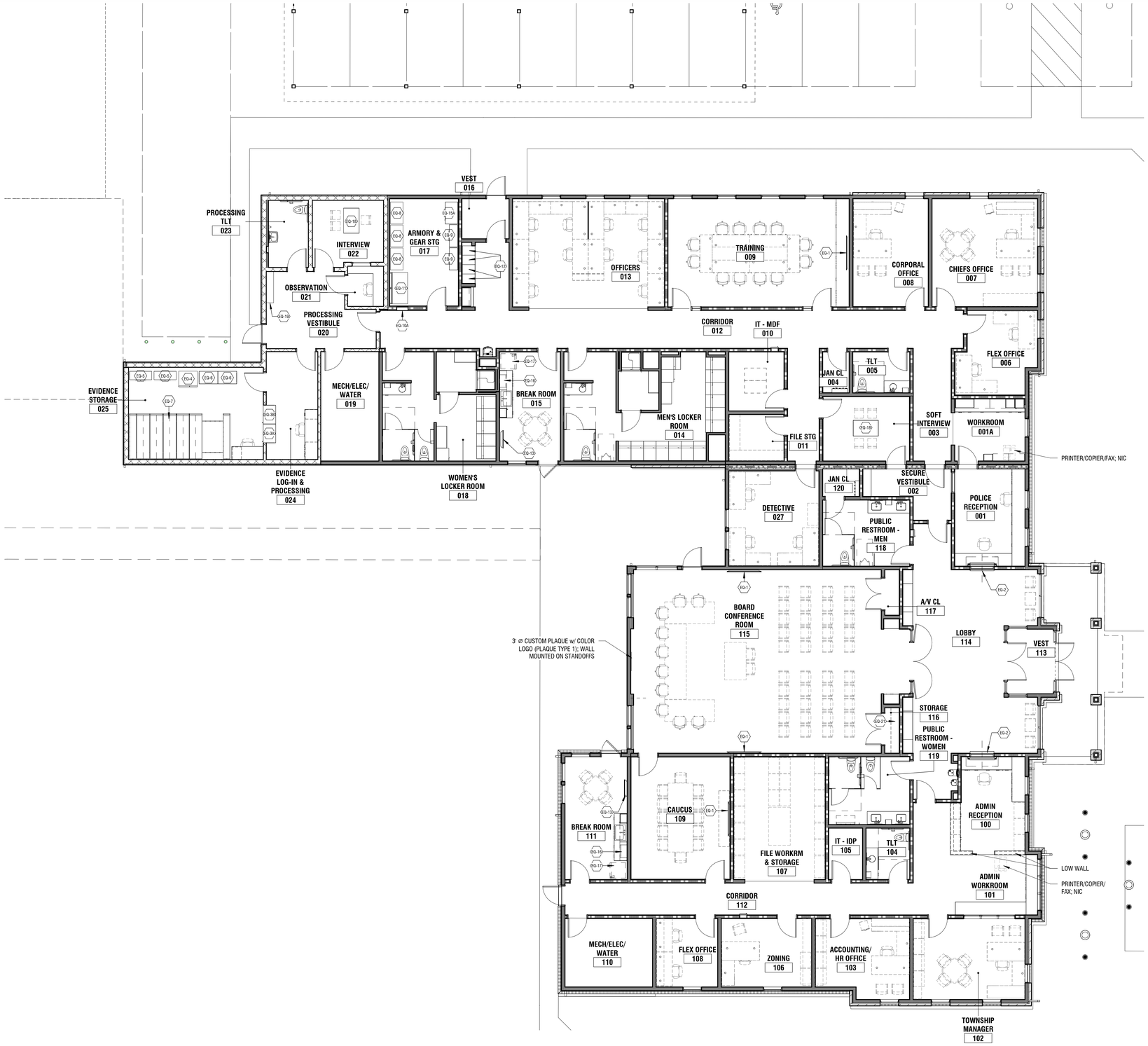

1 **FURNITURE & EQUIPMENT PLAN**
1/8" = 1'-0"

EQUIPMENT SCHEDULE

NO.	NAME	MANUFACTURER; MODEL; INFO	NOTES
EQ-1	75" TV & TILT TV WALL MOUNT	SAMSUNG; UN75TU7000FXZA; OR APPROVED EQUAL AND SANUS BLT3-B1; OR APPROVED EQUAL	OFCI
EQ-2	PASS-THROUGH RECEPTION WINDOW	REFER TO SPECIFICATION 085653 SECURITY WINDOWS.	IN CONTRACT
EQ-3	EVIDENCE PASS-THROUGH LOCKER	EQ-3B UNIT TO BE REFRIGERATED. REFER TO SPECIFICATION 105113 METAL LOCKERS.	OFOI
EQ-4	EVIDENCE REFRIGERATOR	REFER TO SPECIFICATION 105113 METAL LOCKERS.	OFOI
EQ-5	EVIDENCE STORAGE LOCKER TYPE 1	REFER TO SPECIFICATION 105113 METAL LOCKERS.	OFOI
EQ-6	EVIDENCE STORAGE LOCKER TYPE 2	REFER TO SPECIFICATION 105113 METAL LOCKERS.	OFOI
EQ-7	HIGH-DENSITY MOBILE STORAGE SYSTEM	REFER TO SPECIFICATION 105626.13 MOBILE STORAGE SHELVING UNITS.	OFOI
EQ-8	ARMORY STORAGE LOCKER TYPE 1	REFER TO SPECIFICATION 105113 METAL LOCKERS.	OFOI
EQ-9	ARMORY STORAGE LOCKER TYPE 2	REFER TO SPECIFICATION 105113 METAL LOCKERS.	OFOI
EQ-10	PROCESSING GUN LOCKER	REFER TO SPECIFICATION 105113 METAL LOCKERS. EQ-10A RECESSED FLUSH MOUNT. EQ-10B SURFACE MOUNT.	OFOI
EQ-11	ARMORY WORKBENCH	REFER TO SPECIFICATION SECTION 111100.	OFOI
EQ-12	GO-BAG STORAGE SHELVING	REFER TO SPECIFICATION 105113 METAL LOCKERS.	OFOI
EQ-13	43" TV & FIXED TV WALL MOUNT	SAMSUNG; QN43Q60CAF; OR APPROVED EQUAL AND SANUS PREMIUM SERIES FIXED-POSITION WALL MOUNT; VML5; OR APPROVED EQUAL	OFCI
EQ-14	GEAR LOCKER w/ INTEGRAL BENCH	REFER TO SPECIFICATION 105113 METAL LOCKERS.	OFOI
EQ-15	GEAR LOCKER - ADA	REFER TO SPECIFICATION 105113 METAL LOCKERS.	OFOI
EQ-15A	GEAR LOCKER - DOUBLE DOOR	REFER TO SPECIFICATION 105113 METAL LOCKERS.	OFOI
EQ-16	RESIDENTIAL MICROWAVE	COUNTERTOP MODEL	OFOI
EQ-17	RESIDENTIAL REFRIGERATOR	30-INCH WIDE MODEL, FACTORY INSTALLED ICE MAKER IN FREEZER	OFOI
EQ-18	INTERVIEW TABLE	REFER TO SPECIFICATION 125500 DETENTION FURNITURE.	OFOI
EQ-19	PROCESSING BENCH	REFER TO SPECIFICATION 125500 DETENTION FURNITURE.	OFOI
EQ-20	OBSERVATION WINDOW	REFER TO SPECIFICATION 085653 SECURITY WINDOWS.	IN CONTRACT
EQ-21	CLOSET SHELVING	REFER TO SPECIFICATION 105723 CLOSET AND UTILITY SHELVING.	IN CONTRACT

GENERAL FFE NOTES

1. REFER TO EQUIPMENT SCHEDULE ON THIS SHEET FOR ALL EQUIPMENT.
2. EQUIPMENT AND FURNITURE SHOWN DASHED TO BE NIC, UNLESS NOTED OTHERWISE.
3. OFCI = 'OWNER-FURNISHED, CONTRACTOR-INSTALLED'.
4. OFOI = 'OWNER-FURNISHED, OWNER-INSTALLED'.

3

PROJECT:
ADMINISTRATION AND POLICE DEPARTMENT BUILDING

2290 GILBERTSVILLE ROAD
POTTSTOWN, PA 19464

OWNER:
UPPER POTTSGROVE TOWNSHIP

1409 FARMINGTON AVENUE
POTTSTOWN, PA 19464

PROJECT TEAM:

ARCHITECT:
ALLOY5 ARCHITECTURE

CIVIL:
CHESTER VALLEY ENGINEERS, INC.
112 MOORES ROAD
SUITE 200
MALVERN, PA 19355
610-644-4623

STRUCTURAL:
SLATE STRUCTURAL ENGINEERS
40 SOUTH MAIN STREET
NAZARETH, PA 18064
610-365-7634

MEPF:
PROJECTX DESIGN GROUP
2433 BLUEJAY DRIVE
NAZARETH, PA 18064
610-365-2436

SUBMISSIONS:

NO.	ISSUE DESCRIPTION	DATE
	BID DOCUMENTS	03/31/25
3	ADDENDUM #03	04/29/25
	PERMIT SET	06/20/25

KEY PLAN:

REGISTRATION:

ALLOY5
ARCHITECTURE
530 WEST BROAD ST BETHLEHEM, PA 18018
610.419.4055

REGISTERED ARCHITECT
COMMONWEALTH OF PENNSYLVANIA
DAVID GALIOTTO JR. No. RA-AE059281

SHEET TITLE:
FURNITURE & EQUIPMENT PLAN

DATE: 03/31/2025
SCALE: As indicated
DRAWN BY: Author
CHECKED BY: Checker
PROJ NO: 22-0058

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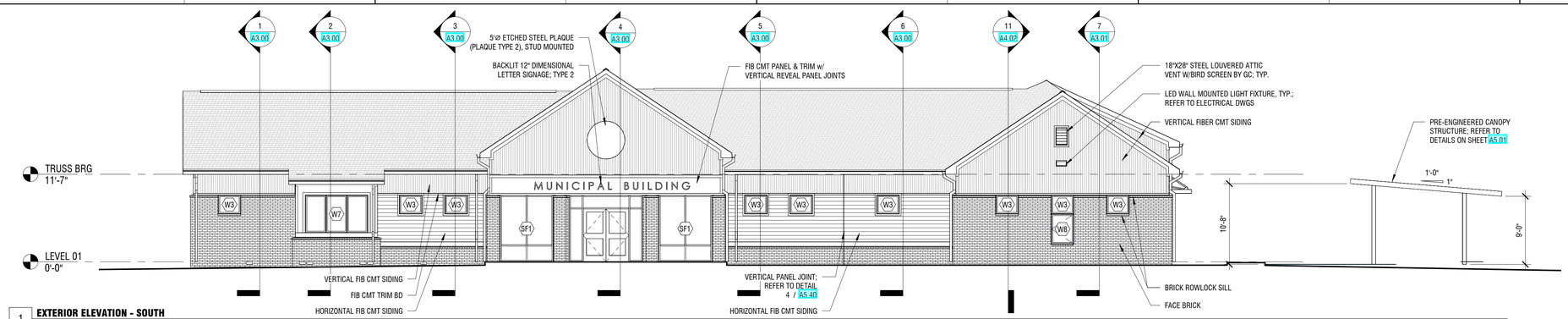
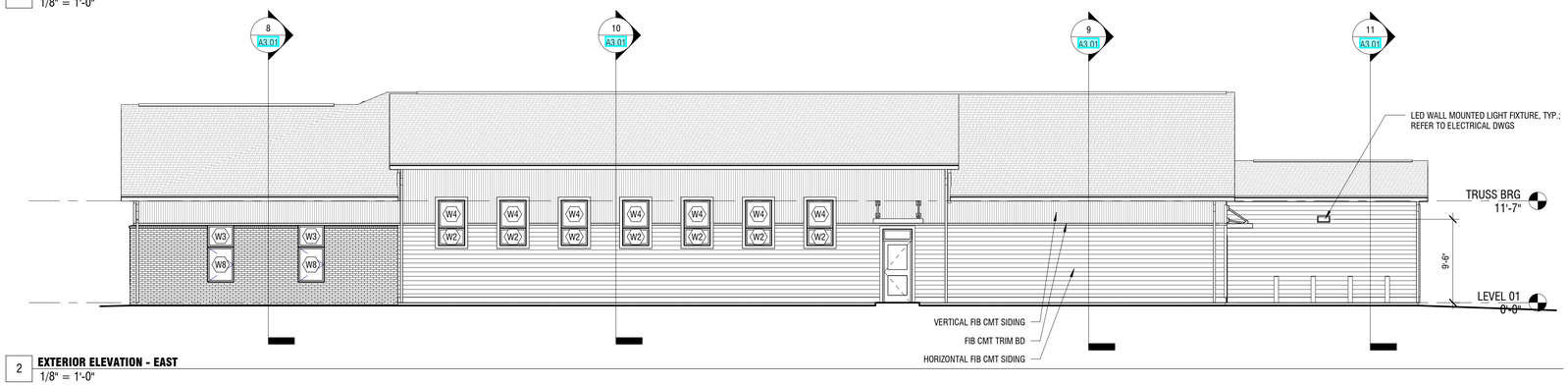


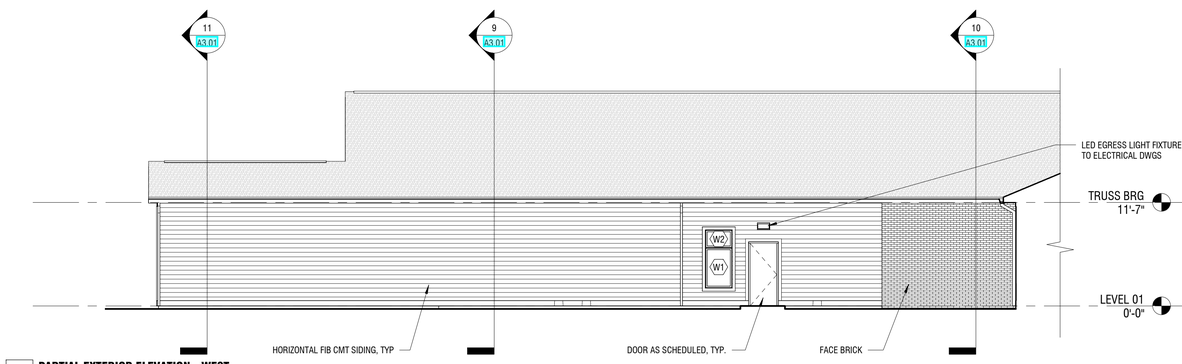
1 **EXTERIOR ELEVATION - SOUTH**
1/8" = 1'-0"



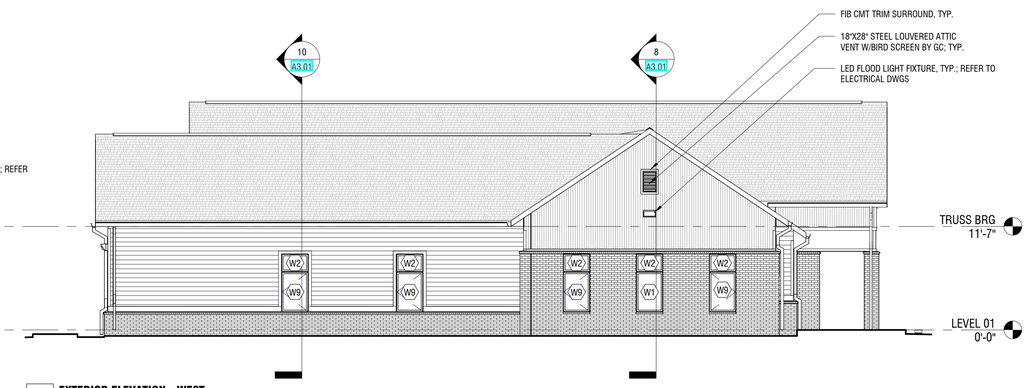
2 **EXTERIOR ELEVATION - EAST**
1/8" = 1'-0"

3 **PARTIAL EXTERIOR ELEVATION - EAST**
1/8" = 1'-0"

4 **EXTERIOR ELEVATION - NORTH**
1/8" = 1'-0"



5 **PARTIAL EXTERIOR ELEVATION - WEST**
1/8" = 1'-0"



6 **EXTERIOR ELEVATION - WEST**
1/8" = 1'-0"

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PROJECT:

ADMINISTRATION AND POLICE DEPARTMENT BUILDING

2290 GILBERTSVILLE ROAD
POTTSTOWN, PA 19464

OWNER:

UPPER POTTSGROVE TOWNSHIP

1409 FARMINGTON AVENUE
POTTSTOWN, PA 19464

PROJECT TEAM:

ARCHITECT:
ALLOY5
ARCHITECTURE

CIVIL:
CHESTER VALLEY
ENGINEERS, INC.
112 MOORES ROAD
SUITE 200
MALVERN, PA 19355
610-644-4623

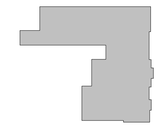
STRUCTURAL:
SLATE STRUCTURAL ENGINEERS
40 SOUTH MAIN STREET
NAZARETH, PA 18064
610-365-7634

MEPF:
PROJECTX DESIGN GROUP
2433 BLUEJAY DRIVE
NAZARETH, PA 18064
610-365-2436

SUBMISSIONS:

NO.	ISSUE DESCRIPTION	DATE
	BID DOCUMENTS	03/31/25
	PERMIT SET	06/20/25

KEY PLAN:



REGISTRATION:

ALLOY5
ARCHITECTURE
530 WEST BROAD ST BETHLEHEM, PA 18018
610.419.4055

SHEET TITLE:

EXTERIOR ELEVATIONS

DATE:	03/31/2025
SCALE:	As indicated
DRAWN BY:	Author
CHECKED BY:	Checker
PROJ NO:	22-0058

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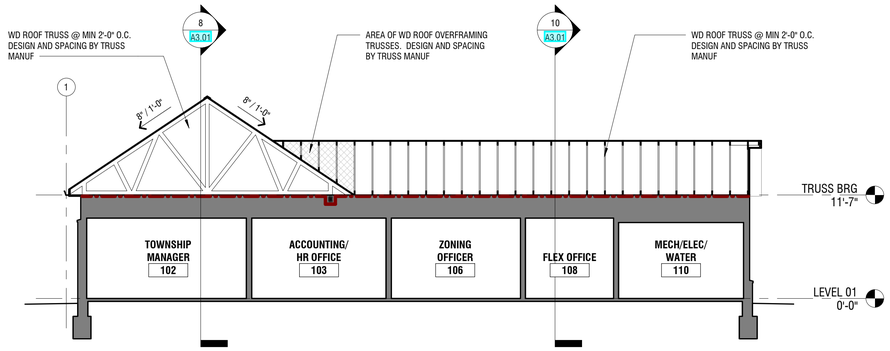
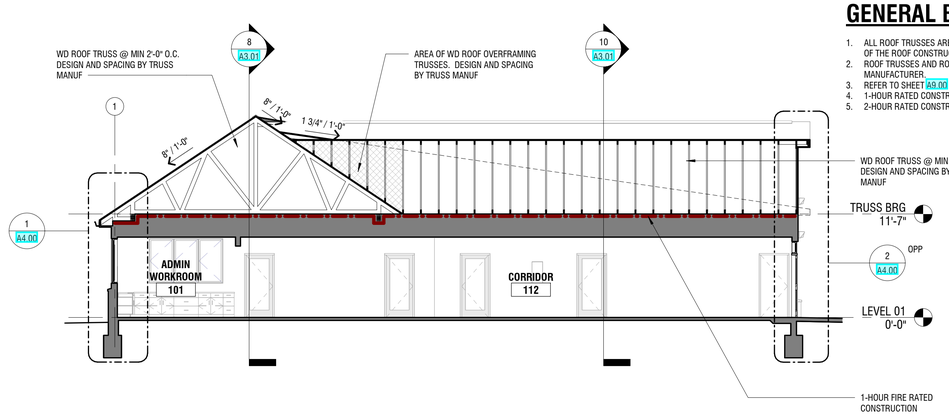


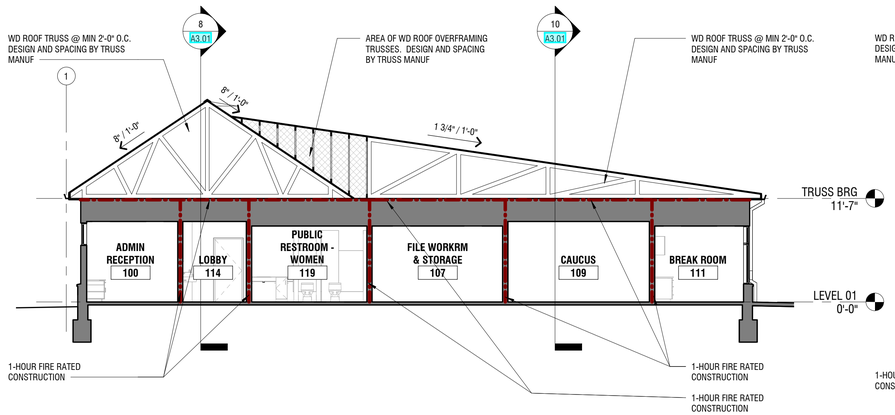
1 **BUILDING SECTION**
1/8" = 1'-0"



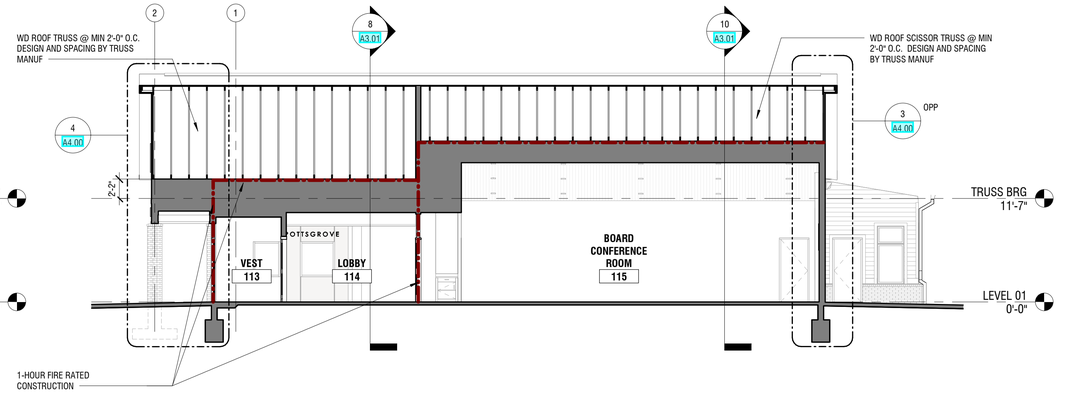
2 **BUILDING SECTION**
1/8" = 1'-0"

GENERAL BUILDING SECTION NOTES

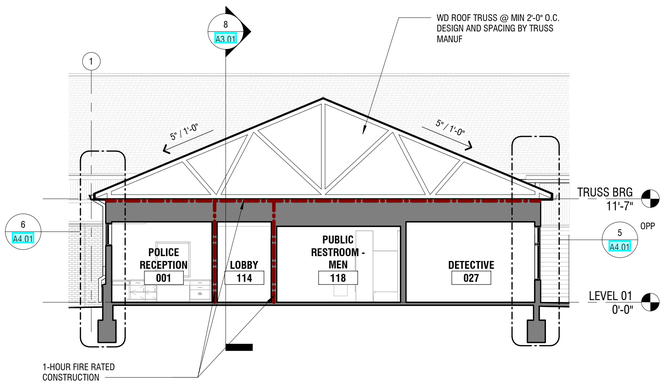
1. ALL ROOF TRUSSES ARE TO BE VIEWED AS VISUAL REPRESENTATIONS SHOWING THE INTENT OF THE ROOF CONSTRUCTION. IT IS NOT TO BE USED FOR CONSTRUCTION PURPOSES.
2. ROOF TRUSSES AND ROOF TRUSS OVERFRAMING ARE TO BE DESIGNED BY A ROOF TRUSS MANUFACTURER.
3. REFER TO SHEET A9.00 FOR BID ALTERNATE INFORMATION.
4. 1-HOUR RATED CONSTRUCTION.
5. 2-HOUR RATED CONSTRUCTION.



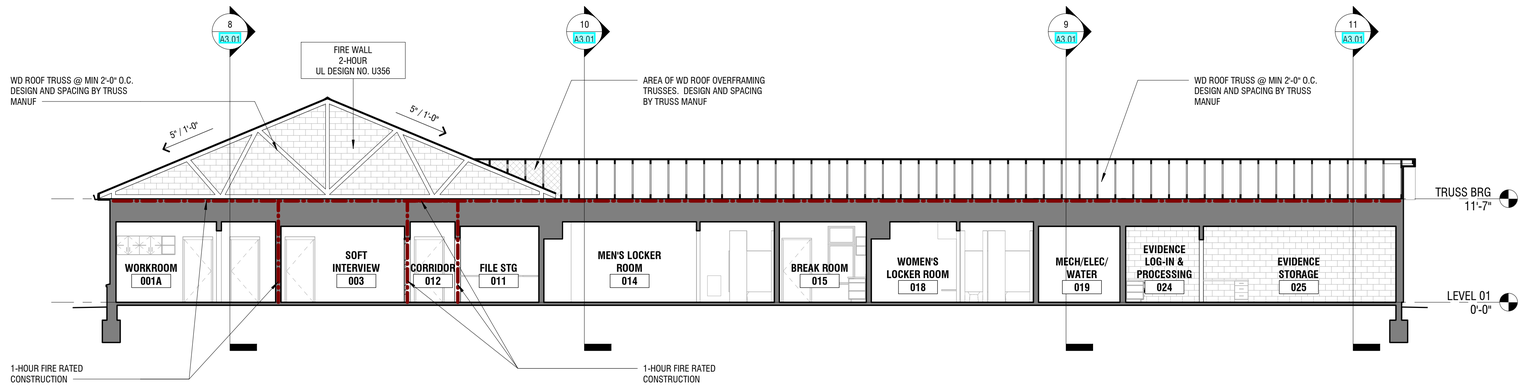
3 **BUILDING SECTION**
1/8" = 1'-0"



4 **BUILDING SECTION**
1/8" = 1'-0"



5 **BUILDING SECTION**
1/8" = 1'-0"



6 **BUILDING SECTION**
1/8" = 1'-0"

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PROJECT:

ADMINISTRATION AND POLICE DEPARTMENT BUILDING

2290 GILBERTSVILLE ROAD
POTTSTOWN, PA 19464

OWNER:

UPPER POTTSGROVE TOWNSHIP

1409 FARMINGTON AVENUE
POTTSTOWN, PA 19464

PROJECT TEAM:

ARCHITECT:
ALLOY5
ARCHITECTURE

CIVIL:
CHESTER VALLEY ENGINEERS, INC.
112 MOORES ROAD
SUITE 200
MALVERN, PA 19355
610-644-4623

STRUCTURAL:
SLATE STRUCTURAL ENGINEERS
40 SOUTH MAIN STREET
NAZARETH, PA 18064
610-365-7634

MEPF:
PROJECTX DESIGN GROUP
2433 BLUEJAY DRIVE
NAZARETH, PA 18064
610-365-2436

SUBMISSIONS:

NO.	ISSUE DESCRIPTION	DATE
	BID DOCUMENTS	03/31/25
	PERMIT SET	06/20/25

KEY PLAN:

REGISTRATION:

ALLOY5
ARCHITECTURE
530 WEST BROAD ST BETHLEHEM, PA 18018
610.419.4055

REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA DAVID GALIOTTO JR. RA

SHEET TITLE:

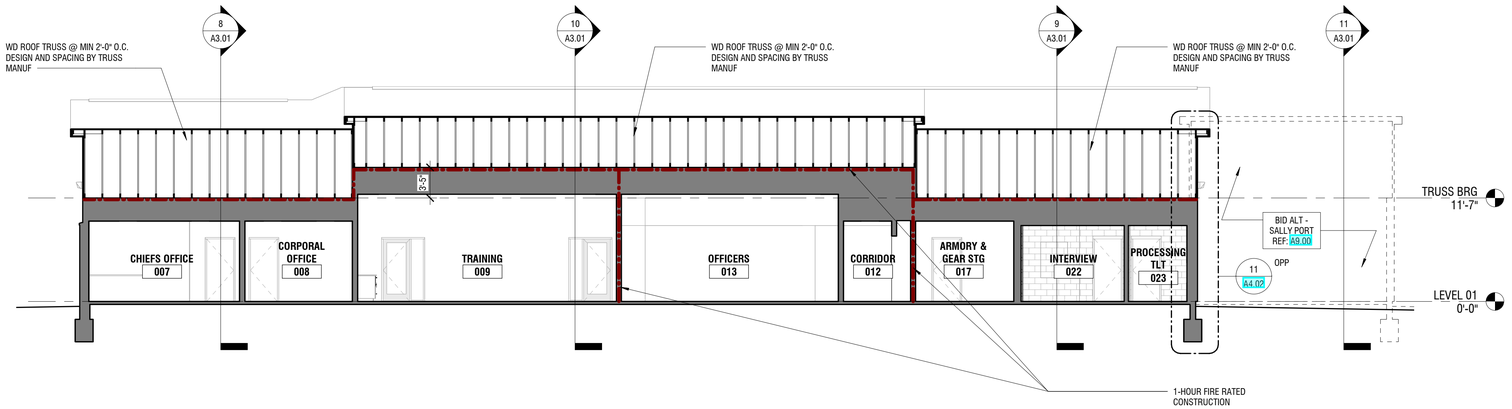
BUILDING SECTIONS

DATE: 03/31/2025
SCALE: As indicated
DRAWN BY: Author
CHECKED BY: Checker
PROJ NO: 22-0058

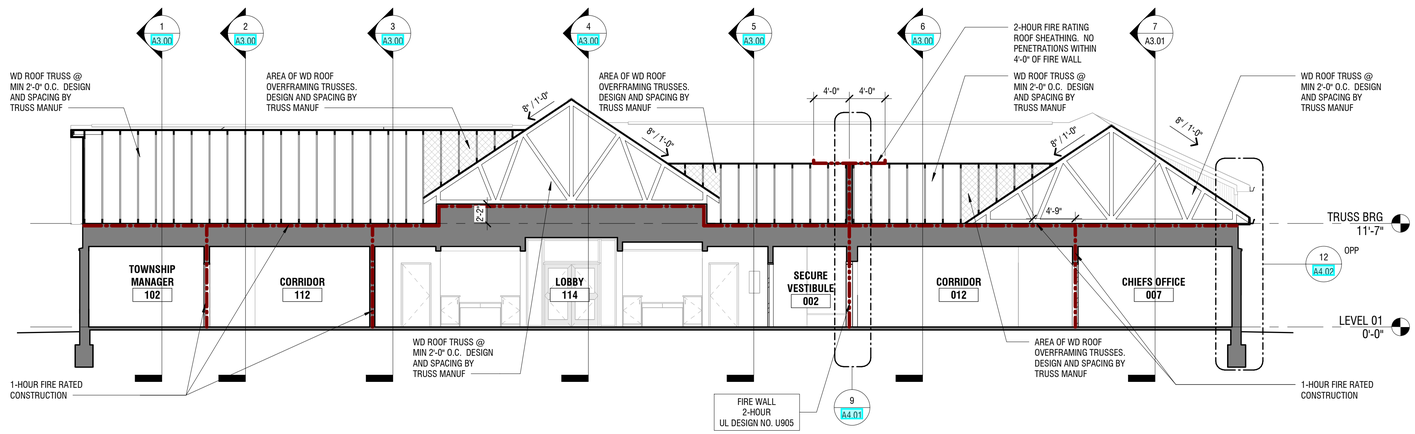
A3.00

GENERAL BUILDING SECTION NOTES

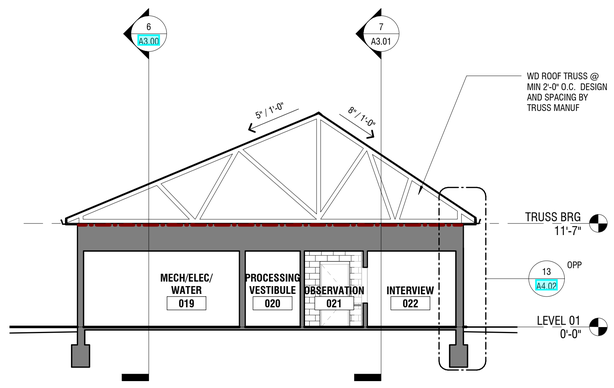
1. ALL ROOF TRUSSES ARE TO BE VIEWED AS VISUAL REPRESENTATIONS SHOWING THE INTENT OF THE ROOF CONSTRUCTION. IT IS NOT TO BE USED FOR CONSTRUCTION PURPOSES.
2. ROOF TRUSSES AND ROOF TRUSS OVERFRAMING ARE TO BE DESIGNED BY A ROOF TRUSS MANUFACTURER.
3. REFER TO SHEET A9.00 FOR BID ALTERNATE INFORMATION.
4. 1-HOUR RATED CONSTRUCTION.
5. 2-HOUR RATED CONSTRUCTION.



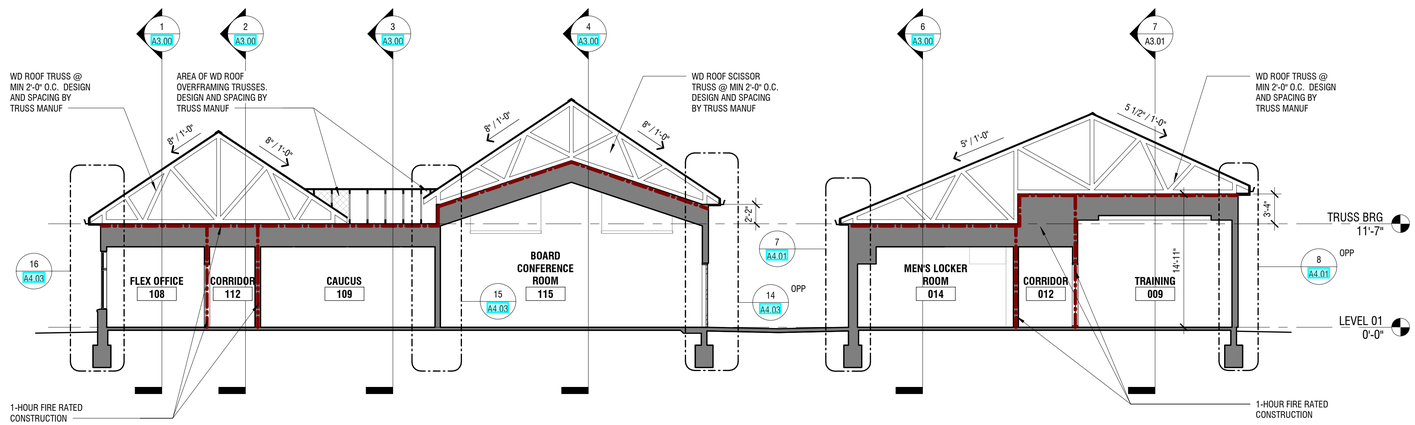
7 **BUILDING SECTION**
1/8" = 1'-0"



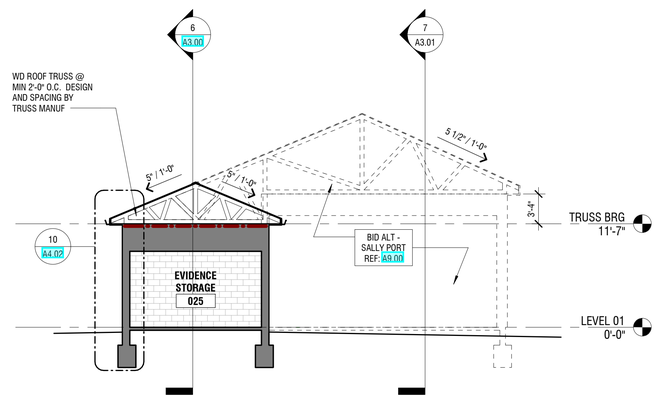
8 **BUILDING SECTION**
1/8" = 1'-0"



9 **BUILDING SECTION**
1/8" = 1'-0"



10 **BUILDING SECTION**
1/8" = 1'-0"



11 **BUILDING SECTION**
1/8" = 1'-0"

3/21/2025 1:59:10 PM ©COPYRIGHT ALLOY5 ARCHITECTURE

PROJECT:

ADMINISTRATION AND POLICE DEPARTMENT BUILDING

2290 GILBERTSVILLE ROAD
POTTSTOWN, PA 19464

OWNER:

UPPER POTTSGROVE TOWNSHIP

1409 FARMINGTON AVENUE
POTTSTOWN, PA 19464

PROJECT TEAM:

ARCHITECT:
ALLOY5
ARCHITECTURE

CIVIL:
CHESTER VALLEY ENGINEERS, INC.
112 MOORES ROAD
SUITE 200
MALVERN, PA 19355
610-644-4623

STRUCTURAL:
SLATE STRUCTURAL ENGINEERS
40 SOUTH MAIN STREET
NAZARETH, PA 18064
610-365-7634

MEPF:
PROJECTX DESIGN GROUP
2433 BLUEJAY DRIVE
NAZARETH, PA 18064
610-365-2436

SUBMISSIONS:

NO.	ISSUE DESCRIPTION	DATE
	BID DOCUMENTS	03/31/25
	PERMIT SET	06/20/25

KEY PLAN:

REGISTRATION:

ALLOY5
ARCHITECTURE
530 WEST BROAD ST BETHLEHEM, PA 18018
610.419.4055

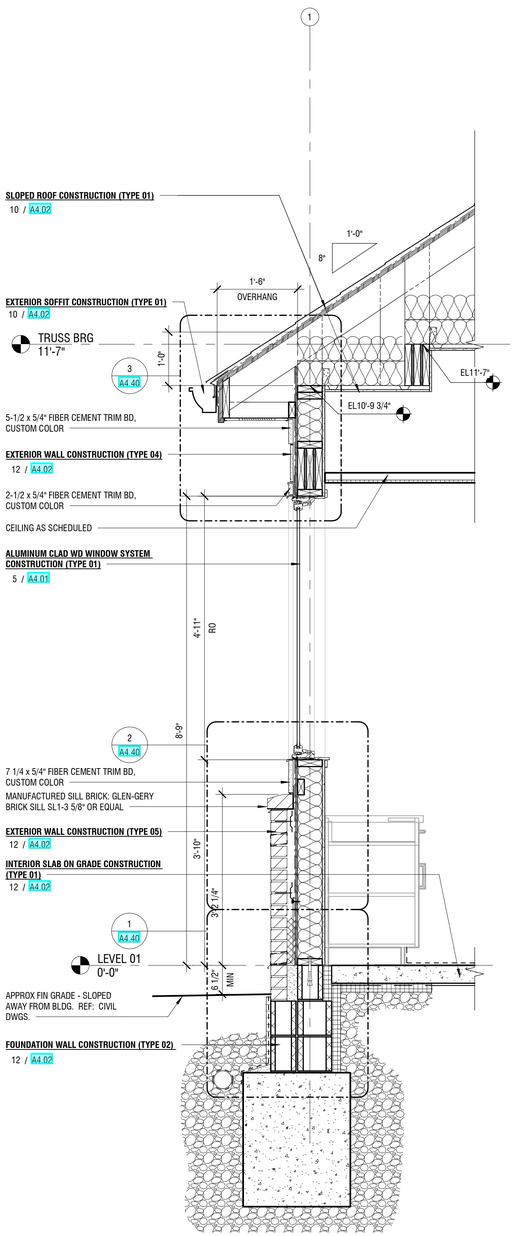
REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA RAYMOND GALIOTTO JR. RA-016990

SHEET TITLE:

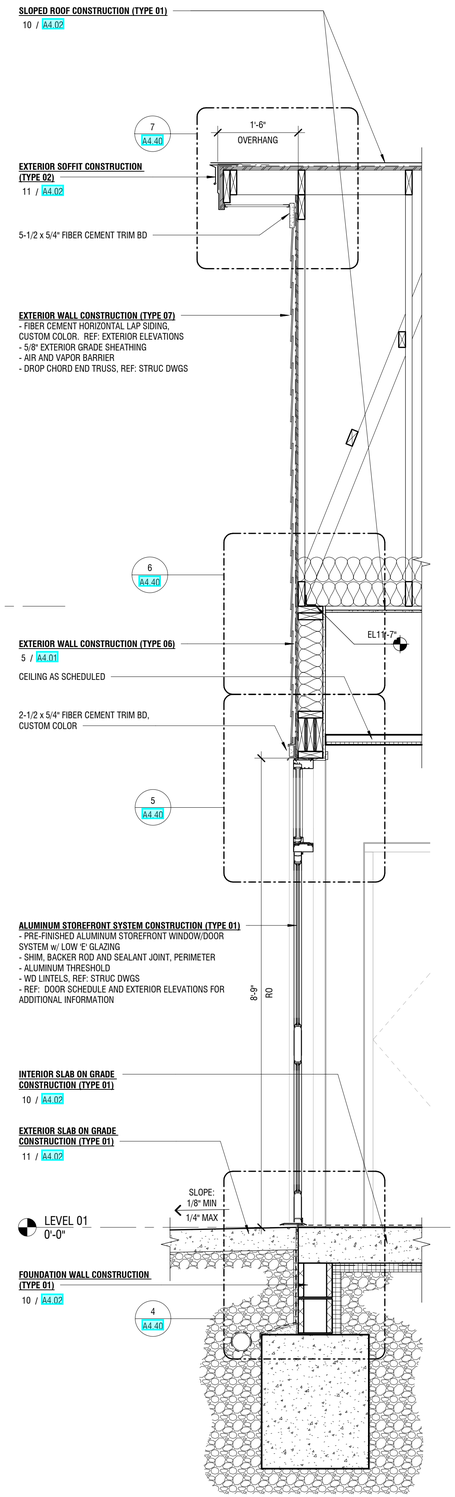
BUILDING SECTIONS

DATE: 03/31/2025
SCALE: As indicated
DRAWN BY: Author
CHECKED BY: Checker
PROJ NO: 22-0058

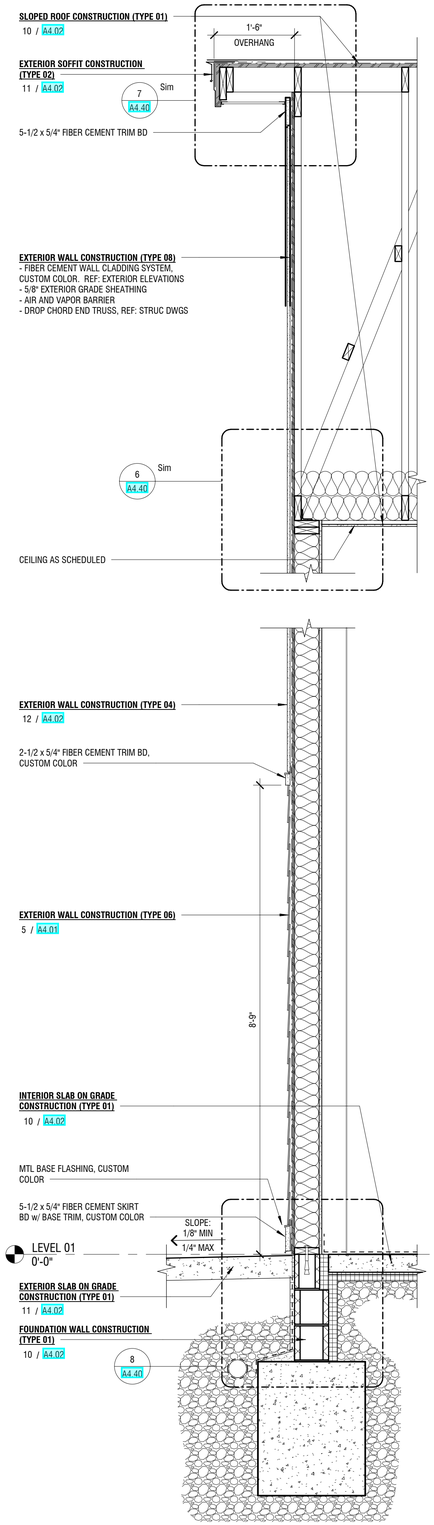
A3.01



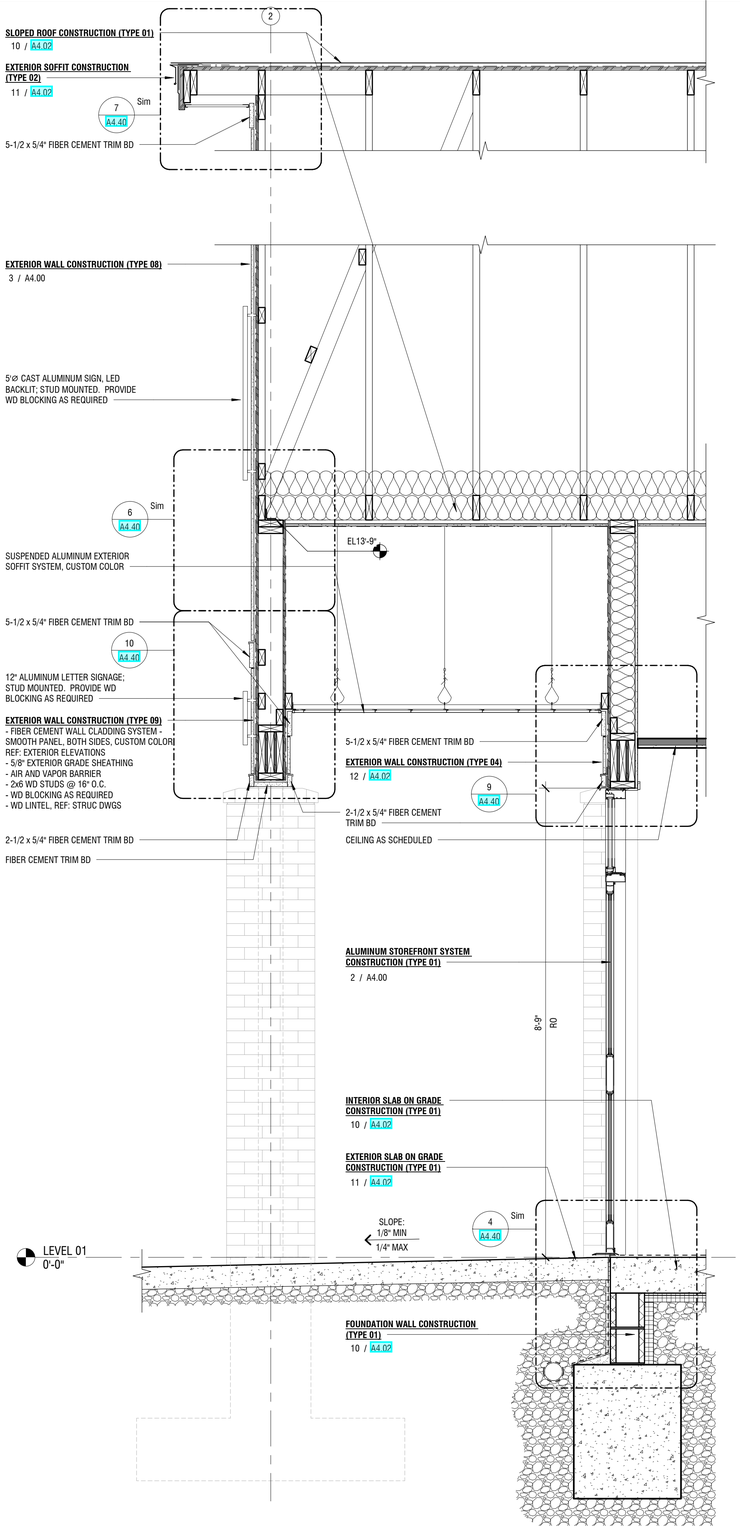
1 **WALL SECTION**
3/4" = 1'-0"



2 **WALL SECTION**
3/4" = 1'-0"



3 **WALL SECTION**
3/4" = 1'-0"



4 **WALL SECTION**
3/4" = 1'-0"

3/21/2025 1:59:13 PM **©COPYRIGHT ALLOY5 ARCHITECTURE**

PROJECT:

ADMINISTRATION AND POLICE DEPARTMENT BUILDING

2290 GILBERTSVILLE ROAD
POTTSTOWN, PA 19464

OWNER:

UPPER POTTSGROVE TOWNSHIP

1409 FARMINGTON AVENUE
POTTSTOWN, PA 19464

PROJECT TEAM:

ARCHITECT:
ALLOY5
ARCHITECTURE

CIVIL:
CHESTER VALLEY ENGINEERS, INC.
112 MOORES ROAD
SUITE 200
MALVERN, PA 19355
610-644-4623

STRUCTURAL:
SLATE STRUCTURAL ENGINEERS
40 SOUTH MAIN STREET
NAZARETH, PA 18064
610-365-7634

MEPF:
PROJECTX DESIGN GROUP
2433 BLUEJAY DRIVE
NAZARETH, PA 18064
610-365-2436

SUBMISSIONS:

NO.	ISSUE DESCRIPTION	DATE
	BID DOCUMENTS	03/31/25
	PERMIT SET	06/20/25

KEY PLAN:

REGISTRATION:

ALLOY5
ARCHITECTURE
530 WEST BROAD ST BETHLEHEM, PA 18018
610.419.4055

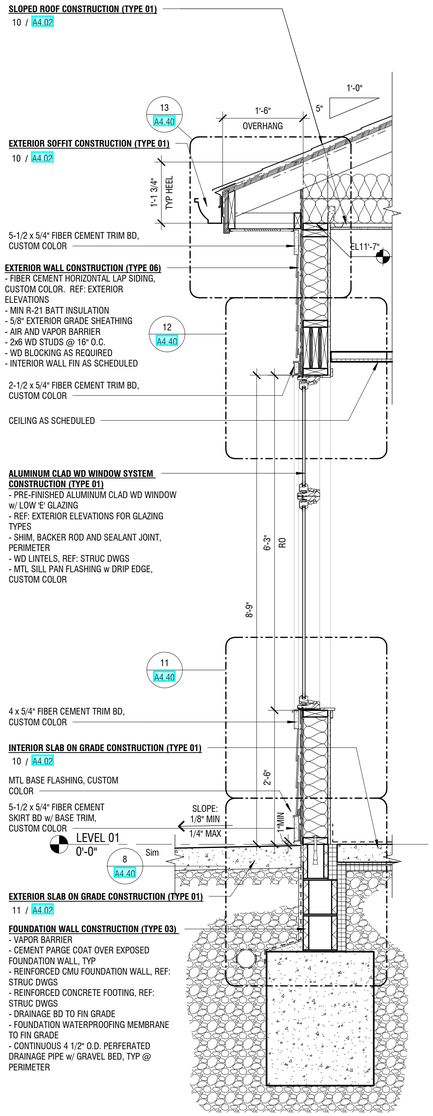
REGISTERED ARCHITECT
COMMONWEALTH OF PENNSYLVANIA
ANTHONY GALLOTTO JR. RA036299E

SHEET TITLE:

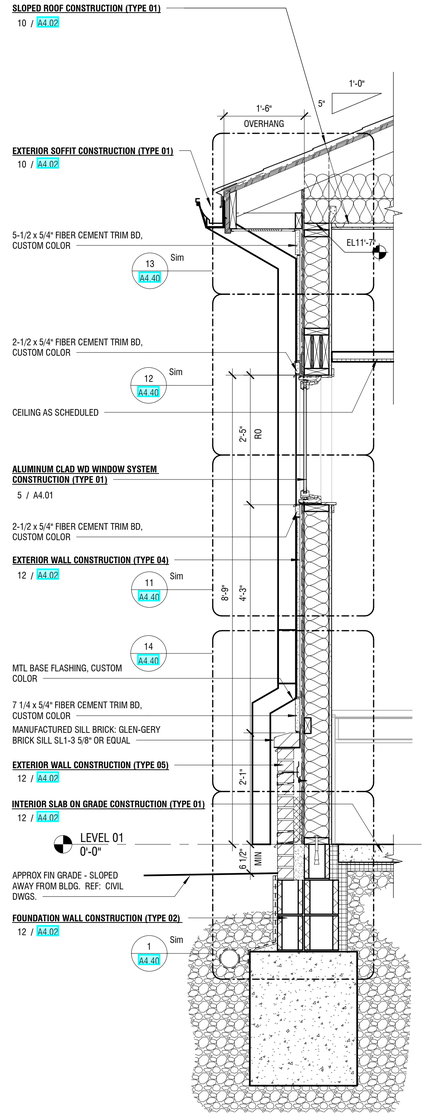
WALL SECTIONS

DATE:	03/31/2025
SCALE:	3/4" = 1'-0"
DRAWN BY:	Author
CHECKED BY:	Checker
PROJ NO:	22-0058

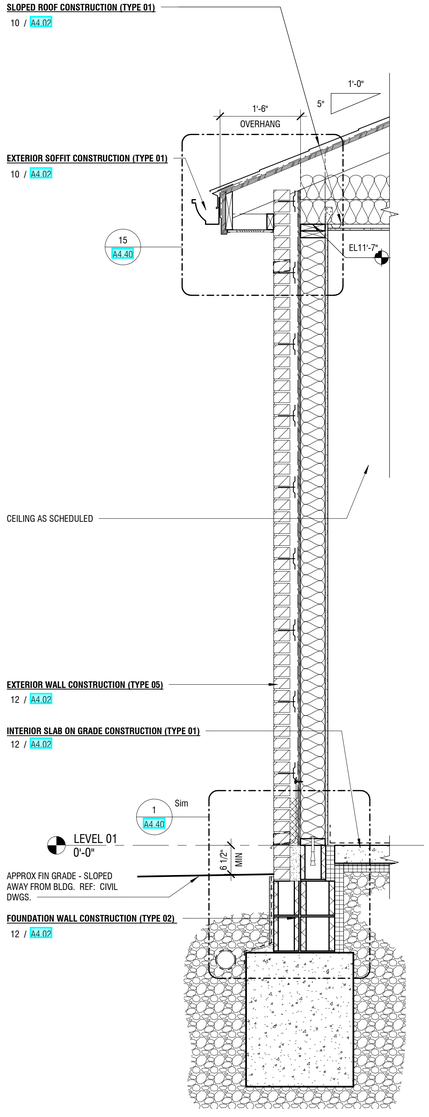
A4.00



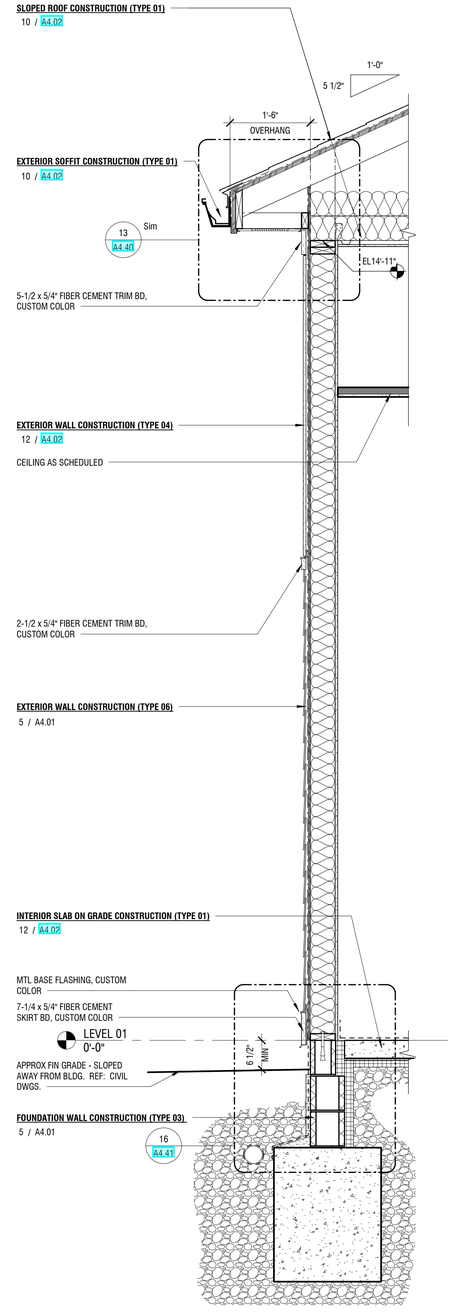
5 **WALL SECTION**
3/4" = 1'-0"



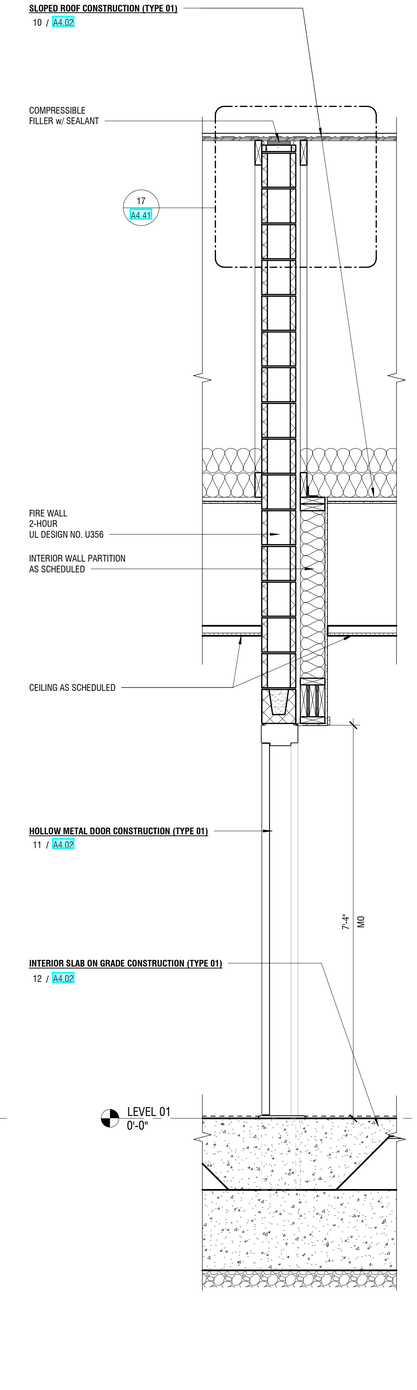
6 **WALL SECTION**
3/4" = 1'-0"



7 **WALL SECTION**
3/4" = 1'-0"



8 **WALL SECTION**
3/4" = 1'-0"



9 **WALL SECTION @ FIRE WALL**
3/4" = 1'-0"

3/21/2025 1:09:16 PM ©COPYRIGHT ALLOY5 ARCHITECTURE

PROJECT:

ADMINISTRATION AND POLICE DEPARTMENT BUILDING

2290 GILBERTSVILLE ROAD
POTTSTOWN, PA 19464

OWNER:

UPPER POTTSGROVE TOWNSHIP

1409 FARMINGTON AVENUE
POTTSTOWN, PA 19464

PROJECT TEAM:

ARCHITECT:
ALLOY5
ARCHITECTURE

CIVIL:
CHESTER VALLEY
ENGINEERS, INC.
112 MOORES ROAD
SUITE 200
MALVERN, PA 19355
610-644-4623

STRUCTURAL:
SLATE STRUCTURAL ENGINEERS
40 SOUTH MAIN STREET
NAZARETH, PA 18064
610-365-7634

MEPF:
PROJECTX DESIGN GROUP
2433 BLUEJAY DRIVE
NAZARETH, PA 18064
610-365-2436

SUBMISSIONS:

NO.	ISSUE DESCRIPTION	DATE
	BID DOCUMENTS	03/31/25
	PERMIT SET	06/20/25

KEY PLAN:

REGISTRATION:

ALLOY5
ARCHITECTURE
530 WEST BROAD ST BETHLEHEM, PA 18018
610.419.4055

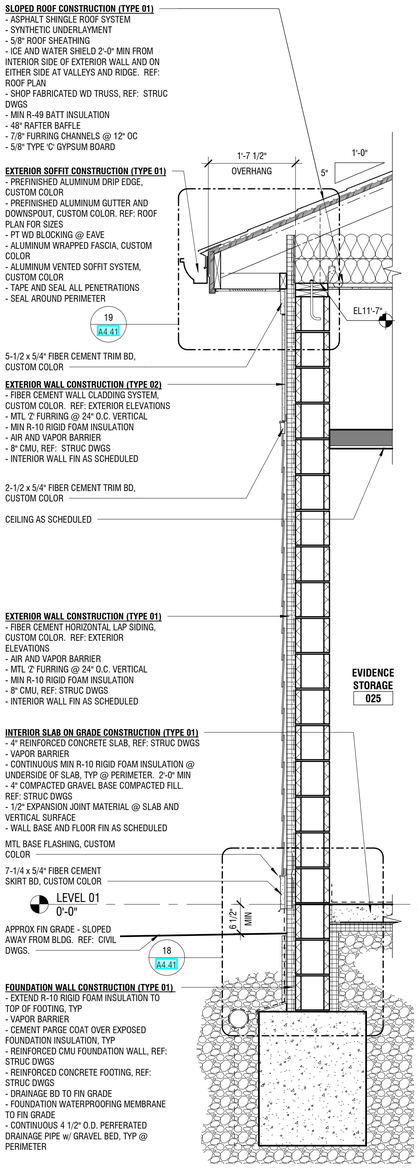
REGISTERED ARCHITECT
ANTHONY J. GALIOTTO JR. No. RA-020000
COMMONWEALTH OF PENNSYLVANIA

SHEET TITLE:

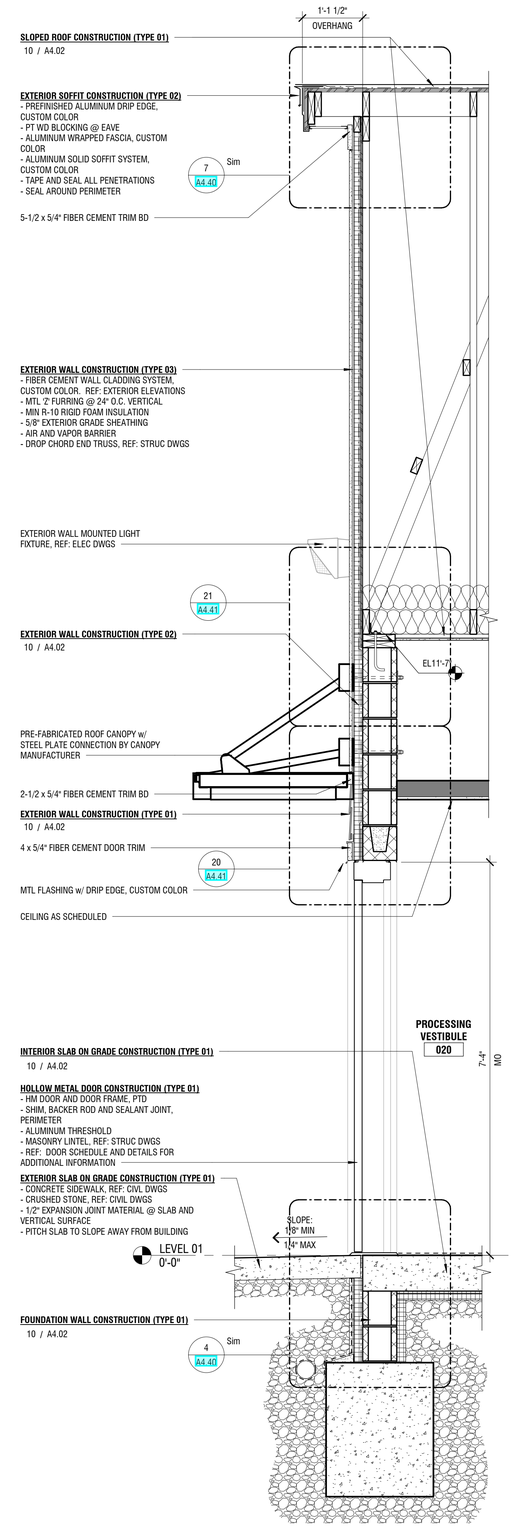
WALL SECTIONS

DATE: 03/31/2025
SCALE: 3/4" = 1'-0"
DRAWN BY: Author
CHECKED BY: Checker
PROJ NO: 22-0058

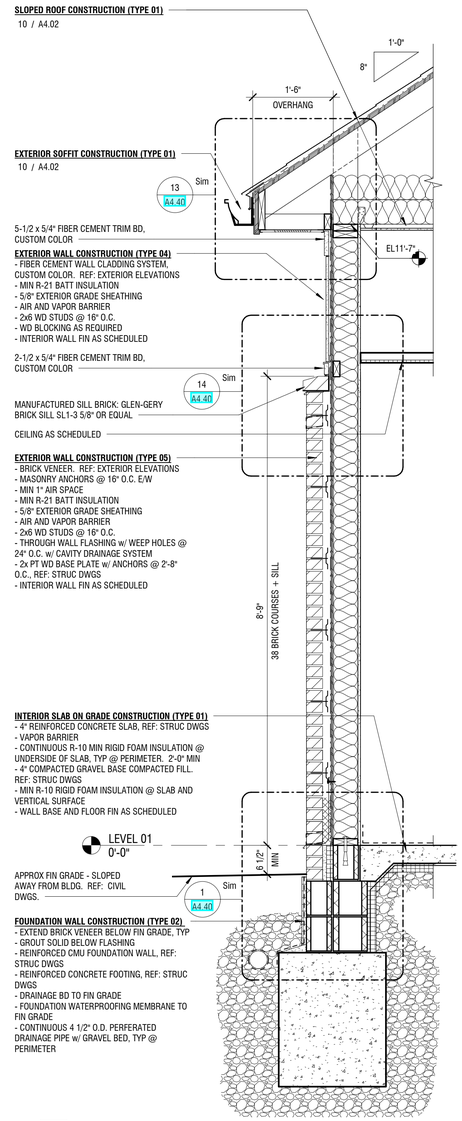
A4.01



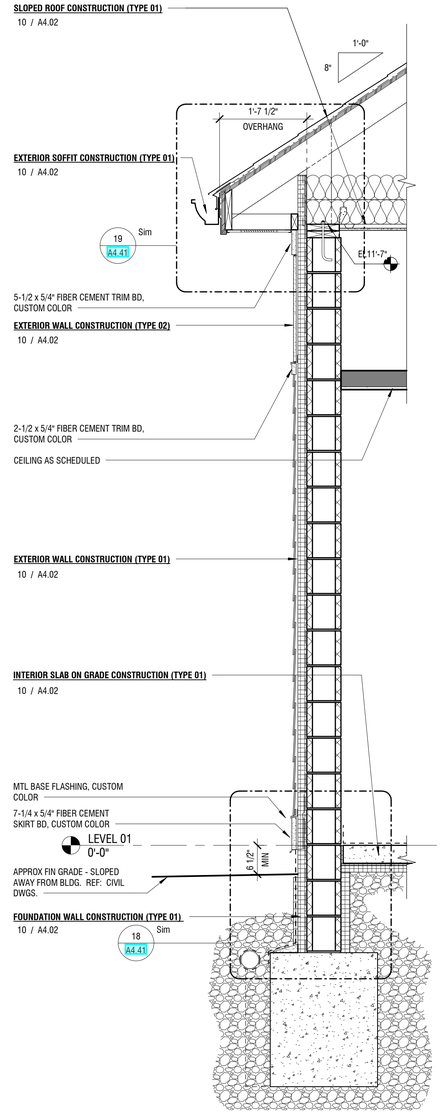
10 **WALL SECTION**
3/4" = 1'-0"



11 **WALL SECTION**
3/4" = 1'-0"



12 **WALL SECTION**
3/4" = 1'-0"



13 **WALL SECTION**
3/4" = 1'-0"

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PROJECT:

ADMINISTRATION AND POLICE DEPARTMENT BUILDING

2290 GILBERTSVILLE ROAD
POTTSTOWN, PA 19464

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	PERMIT SET	06/20/25

KEY PLAN:

REGISTRATION:

ALLOY5
ARCHITECTURE
530 WEST BROAD ST BETHLEHEM, PA 18018
610.419.4055

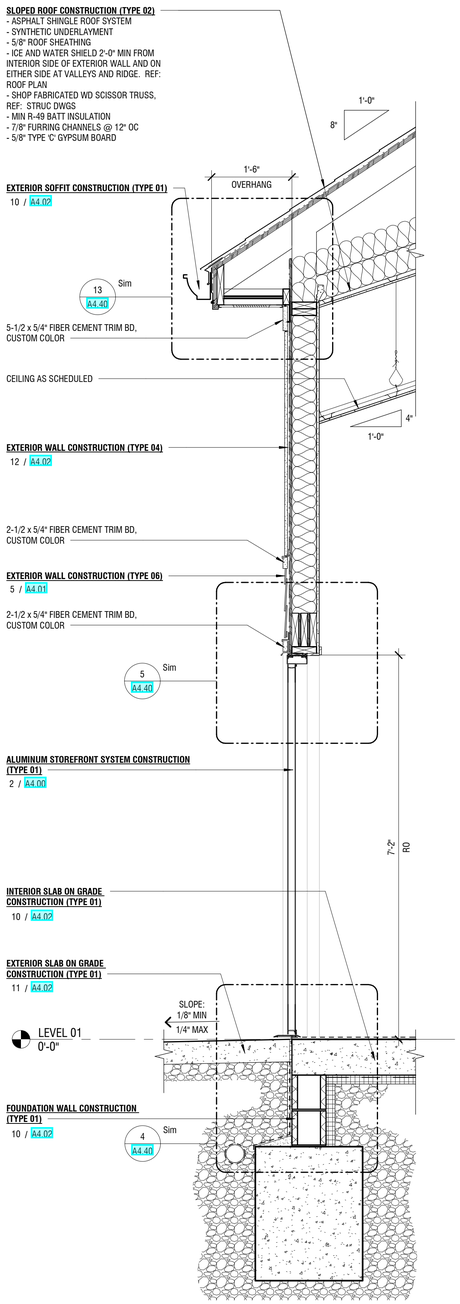
REGISTERED ARCHITECT
COMMONWEALTH OF PENNSYLVANIA
RAMIN GALIOTTO JR. AR-RA016990

SHEET TITLE:

WALL SECTIONS

DATE: 03/31/2025
SCALE: 3/4" = 1'-0"
DRAWN BY: Author
CHECKED BY: Checker
PROJ NO: 22-0058

A4.02



14 **WALL SECTION**
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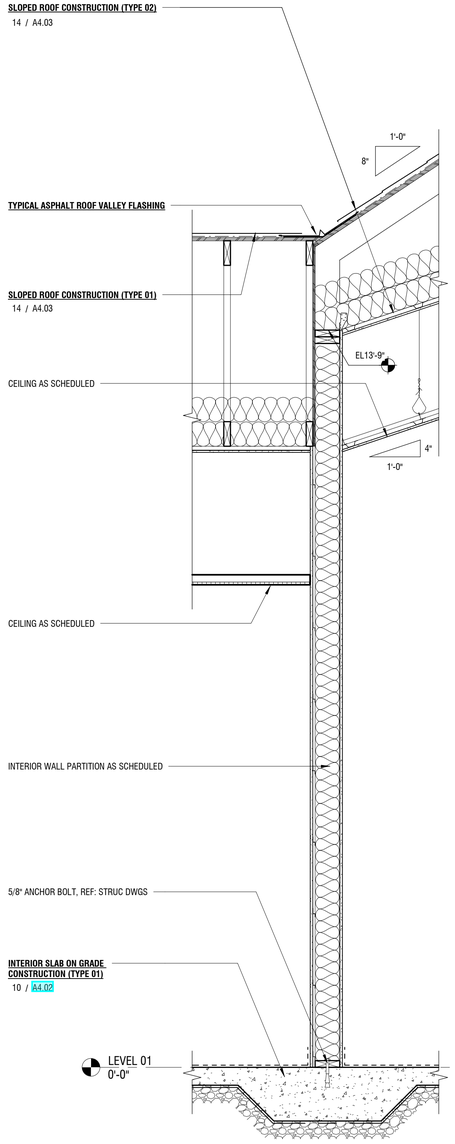
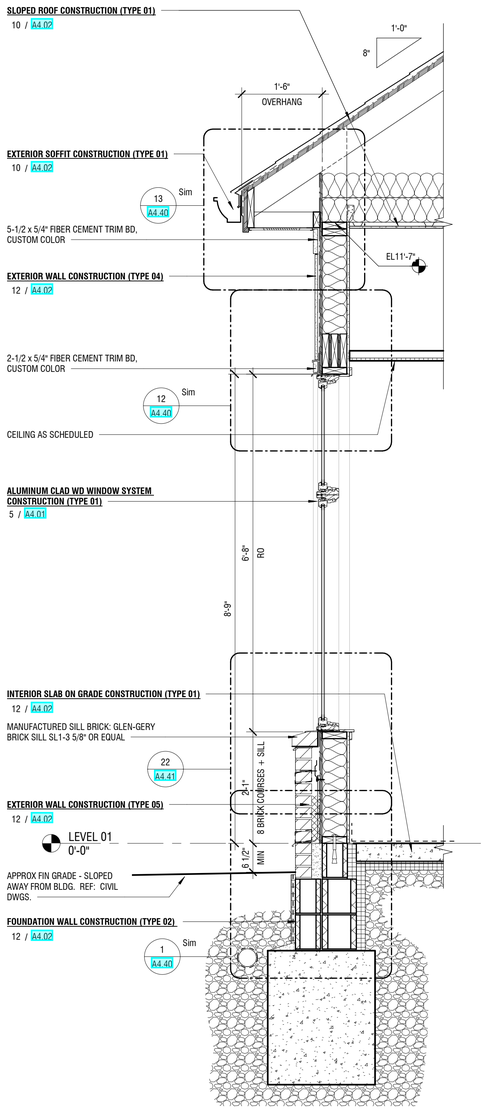


15 **WALL SECTION**
3/4" = 1'-0"



16 **WALL SECTION**
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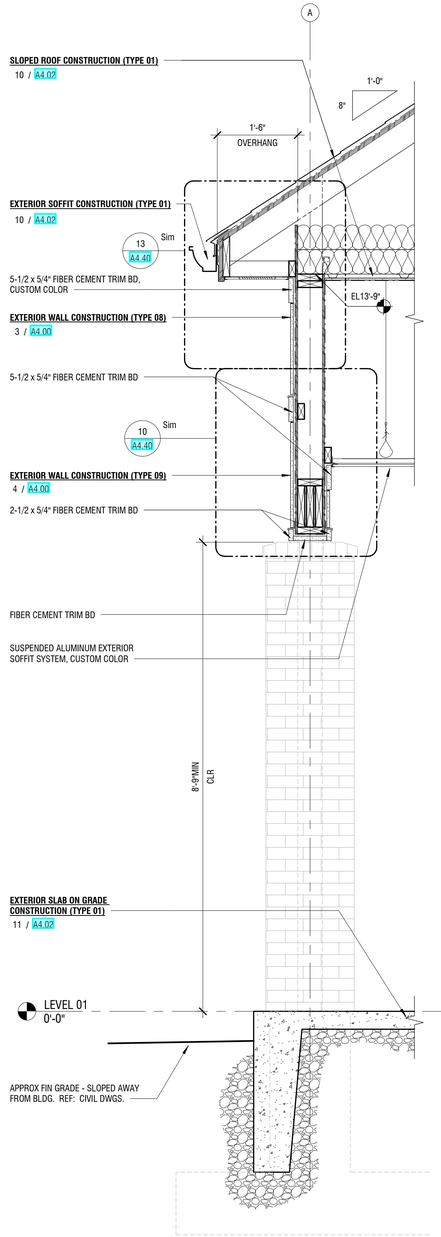

17 **WALL SECTION**
3/4" = 1'-0"

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PROJECT:

ADMINISTRATION AND POLICE DEPARTMENT BUILDING

2290 GILBERTSVILLE ROAD
POTTSTOWN, PA 19464

OWNER:

UPPER POTTSGROVE TOWNSHIP

1409 FARMINGTON AVENUE
POTTSTOWN, PA 19464

PROJECT TEAM:

ARCHITECT:
ALLOY5
ARCHITECTURE

CIVIL:
CHESTER VALLEY ENGINEERS, INC.
112 MOORES ROAD
SUITE 200
MALVERN, PA 19355
610-644-4623

STRUCTURAL:
SLATE STRUCTURAL ENGINEERS
40 SOUTH MAIN STREET
NAZARETH, PA 18064
610-365-7634

MEPF:
PROJECTX DESIGN GROUP
2433 BLUEJAY DRIVE
NAZARETH, PA 18064
610-365-2436

SUBMISSIONS:

NO.	ISSUE DESCRIPTION	DATE
	BID DOCUMENTS	03/31/25
	PERMIT SET	06/20/25

KEY PLAN:

REGISTRATION:

ALLOY5
ARCHITECTURE
530 WEST BROAD ST BETHLEHEM, PA 18018
610.419.4055

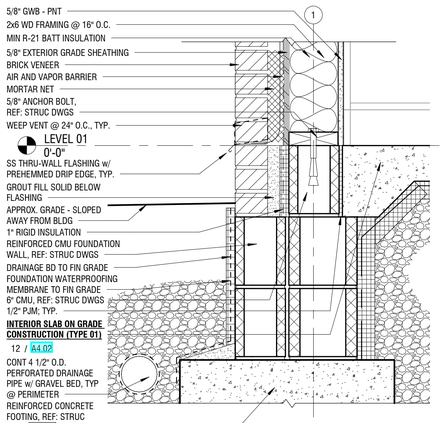
REGISTERED ARCHITECT
COMMONWEALTH OF PENNSYLVANIA
DAVID GALOTTO JR.

SHEET TITLE:

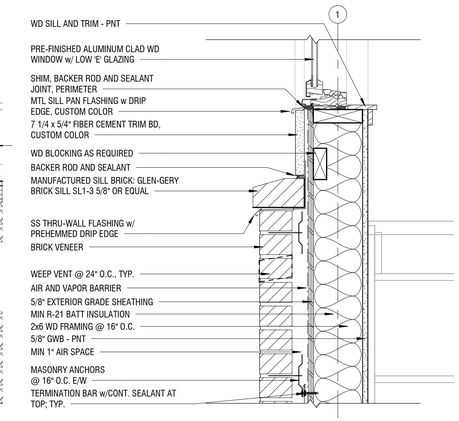
WALL SECTIONS

DATE: 03/31/2025
SCALE: 3/4" = 1'-0"
DRAWN BY: Author
CHECKED BY: Checker
PROJ NO: 22-0058

A4.03



1 **DETAIL**
1 1/2" = 1'-0"



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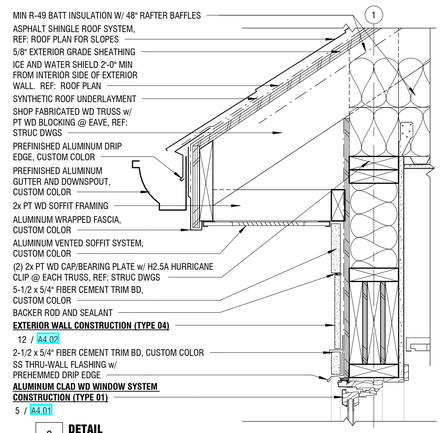

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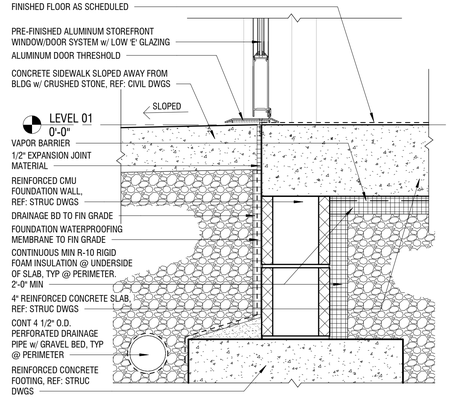
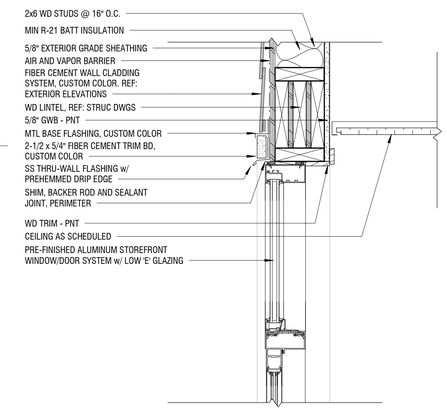
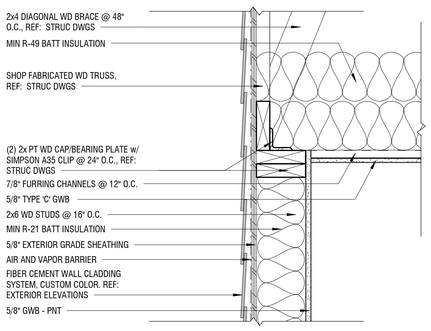
1 1/2" = 1'-0"



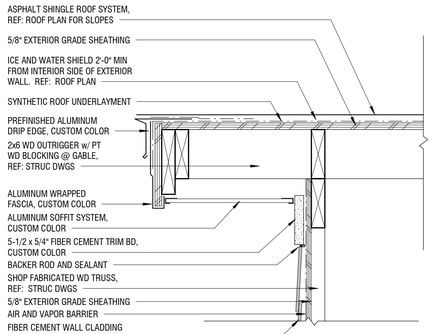
4 **DETAIL**
1 1/2" = 1'-0"



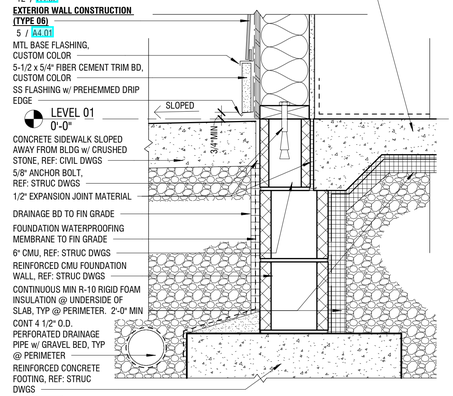
5 **DETAIL**
1 1/2" = 1'-0"



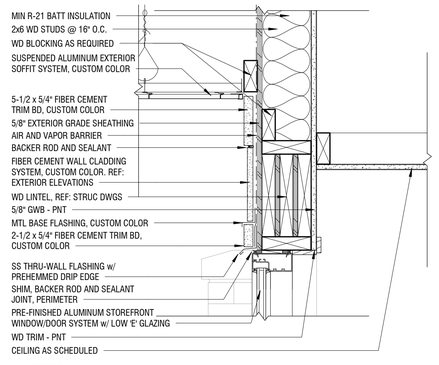
6 **DETAIL**
1 1/2" = 1'-0"



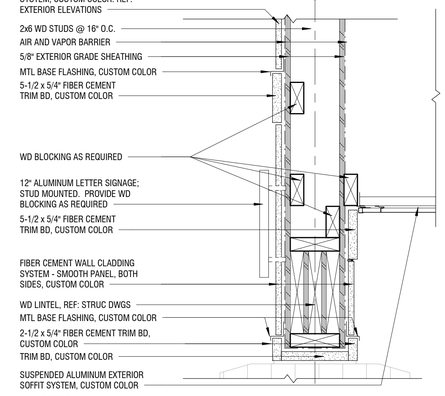
7 **DETAIL**
1 1/2" = 1'-0"



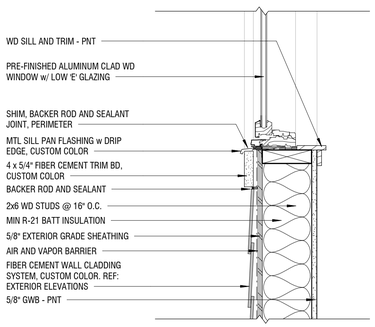
8 **DETAIL**
1 1/2" = 1'-0"



9 **DETAIL**
1 1/2" = 1'-0"



10 **DETAIL**
1 1/2" = 1'-0"



11 **DETAIL**
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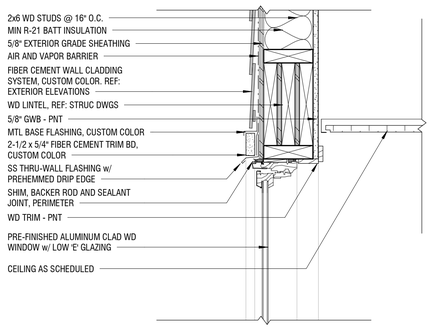

12 **DETAIL**
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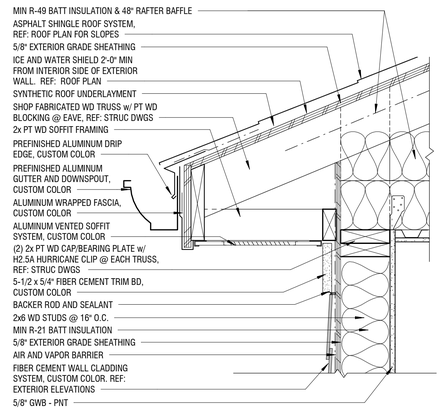
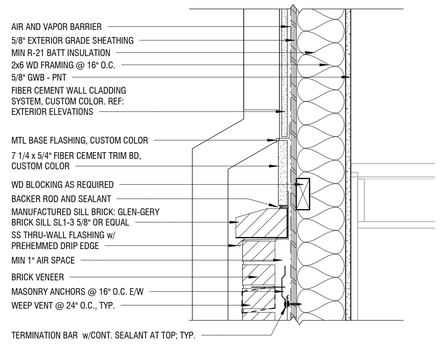
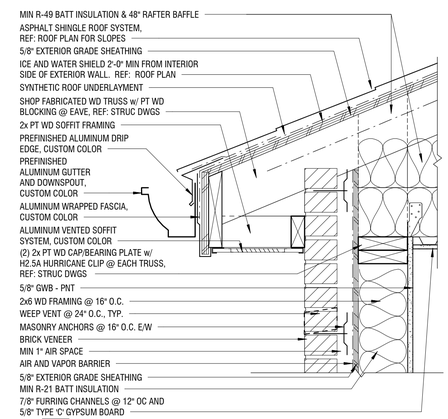


13 **DETAIL**
1 1/2" = 1'-0"



14 **DETAIL**
1 1/2" = 1'-0"



15 **DETAIL**
1 1/2" = 1'-0"

GENERAL ENLARGED DETAIL NOTES

1. ALL ROOF TRUSSES ARE TO BE VIEWED AS VISUAL REPRESENTATIONS SHOWING THE INTENT OF THE ROOF CONSTRUCTION. IT IS NOT TO BE USED FOR CONSTRUCTION PURPOSES.
2. ROOF TRUSSES AND ROOF TRUSS OVERFRAMING ARE TO BE DESIGNED BY A ROOF TRUSS MANUFACTURER.
3. CONTRACTOR TO REFERENCE SHEET A1.40 - ROOF PLAN & DETAILS FOR ROOF SLOPE INFORMATION.
4. CONTRACTOR TO REFERENCE WALL SECTIONS FOR ROOF OVERHANG DIMENSIONS.
5. CONTRACTOR TO REFERENCE A2.00 - EXTERIOR ELEVATIONS FOR MATERIAL CHANGES/LOCATIONS.

3/21/2025 1:59:25 PM ©COPYRIGHT ALLOY5 ARCHITECTURE

PROJECT:
ADMINISTRATION AND POLICE DEPARTMENT BUILDING

2290 GILBERTSVILLE ROAD
POTTSTOWN, PA 19464

OWNER:
UPPER POTTSGROVE TOWNSHIP

1409 FARMINGTON AVENUE
POTTSTOWN, PA 19464

PROJECT TEAM:

ARCHITECT:
ALLOY5 ARCHITECTURE

CIVIL:
CHESTER VALLEY ENGINEERS, INC.
112 MOORES ROAD
SUITE 200
MALVERN, PA 19355
610-644-4623

STRUCTURAL:
SLATE STRUCTURAL ENGINEERS
40 SOUTH MAIN STREET
NAZARETH, PA 18064
610-365-7634

MEPF:
PROJECTX DESIGN GROUP
2433 BLUEJAY DRIVE
NAZARETH, PA 18064
610-365-2436

SUBMISSIONS:

NO.	ISSUE DESCRIPTION	DATE
	BID DOCUMENTS	03/31/25
	PERMIT SET	06/20/25

KEY PLAN:

REGISTRATION:

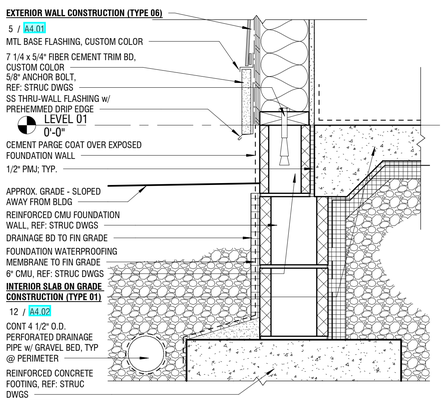
ALLOY5
ARCHITECTURE
530 WEST BROAD ST BETHLEHEM, PA 18018
610.419.4055

REGISTERED ARCHITECT
KEVIN GALIOTTO JR.
RA-AE-036317-E
COMMONWEALTH OF PENNSYLVANIA

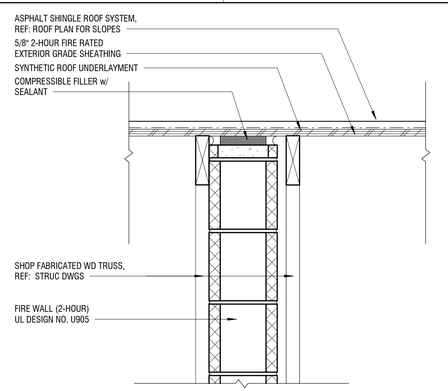
SHEET TITLE:
DETAILS

DATE: 03/31/2025
SCALE: As indicated
DRAWN BY: Author
CHECKED BY: Checker
PROJ NO: 22-0058

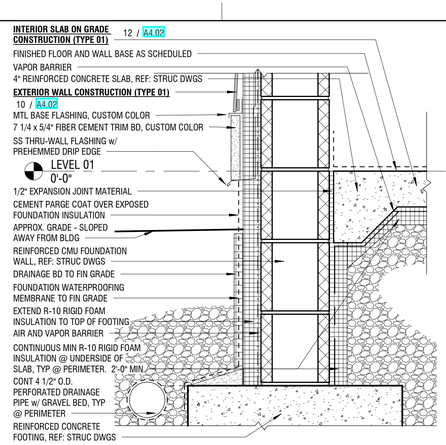
A4.40



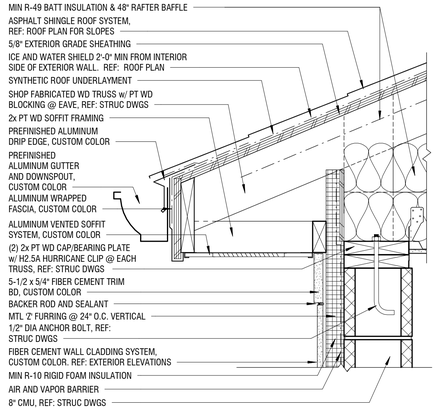
16 **DETAIL**
1 1/2" = 1'-0"



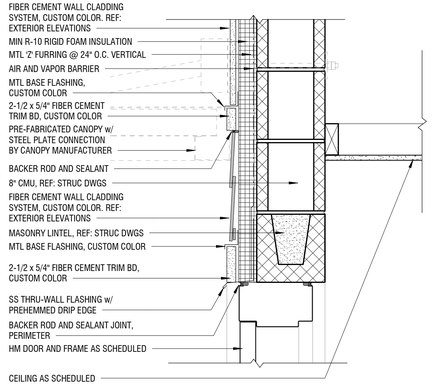
17 **DETAIL**
1 1/2" = 1'-0"



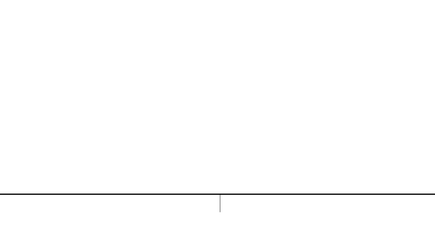
18 **DETAIL**
1 1/2" = 1'-0"



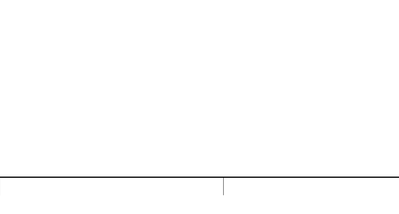
19 **DETAIL**
1 1/2" = 1'-0"



20 **DETAIL**
1 1/2" = 1'-0"



21 **DETAIL**
1 1/2" = 1'-0"



22 **DETAIL**
1 1/2" = 1'-0"

GENERAL ENLARGED DETAIL NOTES

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ARCHITECTURE
530 WEST BROAD ST BETHLEHEM, PA 18018
610.419.4055

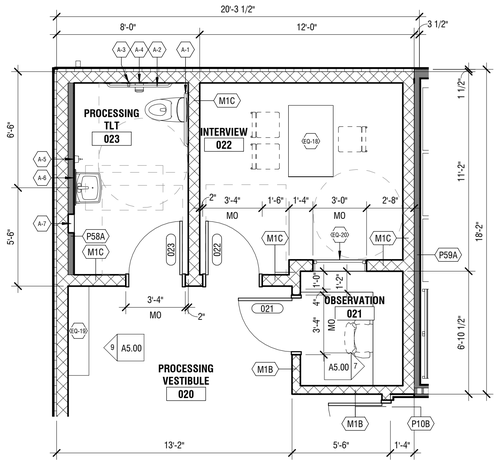
REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA RAYMOND GALIOTTO JR. RA-026992

SHEET TITLE:

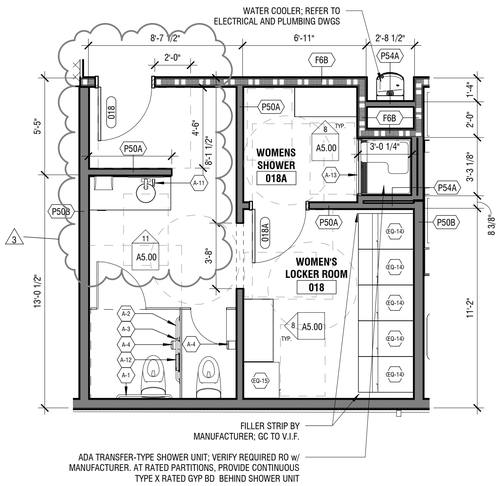
DETAILS

DATE: 03/31/2025
SCALE: As indicated
DRAWN BY: Author
CHECKED BY: Checker
PROJ NO: 22-0058

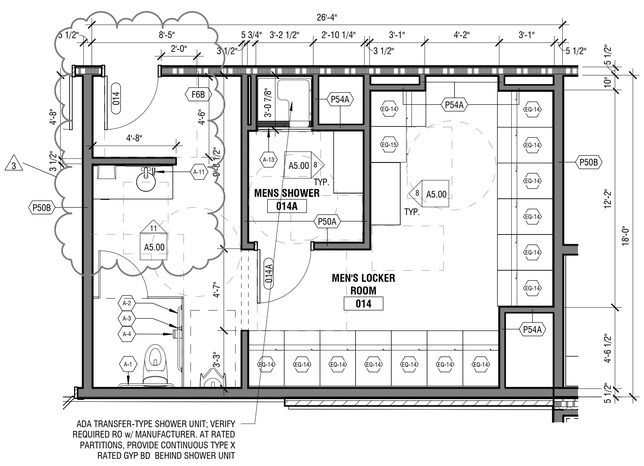
A4.41



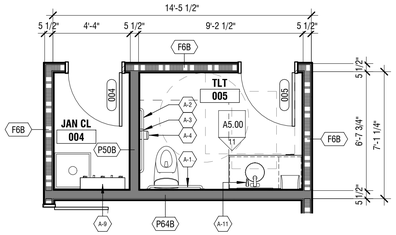
1 **EP - PROCESSING VEST. 020, OBSERVATION 021, INTERVIEW 022, PROCESSING TLT 023**
1/4" = 1'-0"



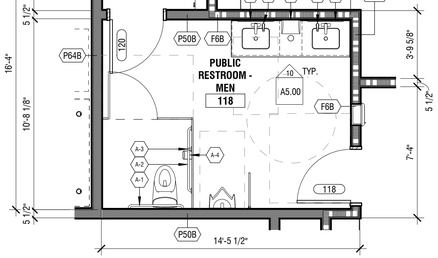
2 **EP - WOMEN'S LOCKER ROOM 018 & WOMEN'S SHOWER 018A**
1/4" = 1'-0"



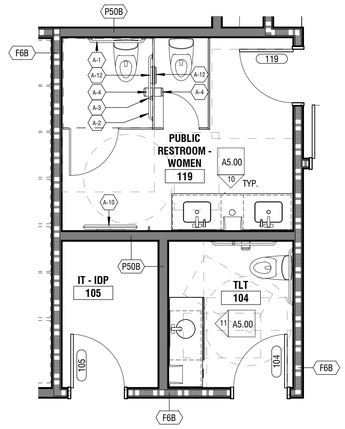
3 **EP - MEN'S LOCKER ROOM 014 & MEN'S SHOWER 014A**
1/4" = 1'-0"



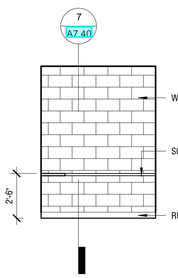
4 **EP - JAN CL 004 & TLT 005**
1/4" = 1'-0"



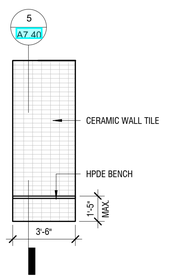
5 **EP - SECURE VESTIBULE 002, PUBLIC RESTROOM - MEN 118, & JAN CL 120**
1/4" = 1'-0"



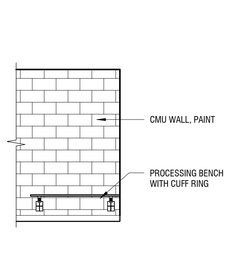
6 **EP - TLT 104, IT - IDP 105, & PUBLIC RESTROOM - WOMEN 119**
1/4" = 1'-0"



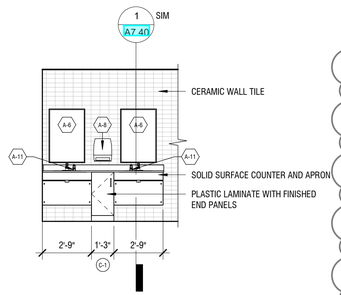
7 **IE - 021 OBSERVATION - EAST**
1/4" = 1'-0"



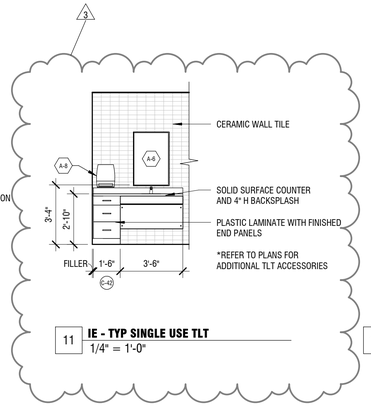
8 **IE - TYP. LOCKER ROOM/SHOWER BENCH**
1/4" = 1'-0"



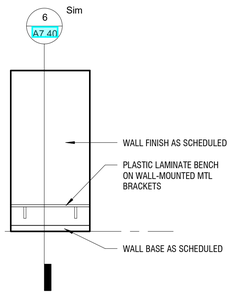
9 **IE - TYP. BENCH**
1/4" = 1'-0"



10 **IE - TYP. PUBLIC RESTROOM VANITY**
1/4" = 1'-0"



11 **IE - TYP SINGLE USE TLT**
1/4" = 1'-0"



12 **IE - SECURE VESTIBULE 002**
1/4" = 1'-0"

EQUIPMENT SCHEDULE

NO.	NAME	MANUFACTURER; MODEL; INFO	NOTES
EQ-1	75" TV & TILT TV WALL MOUNT	SAMSUNG; UN75TU7000FXZA; OR APPROVED EQUAL AND SANUS BLT3-B1; OR APPROVED EQUAL	OFCI
EQ-2	PASS-THROUGH RECEPTION WINDOW	REFER TO SPECIFICATION 085653 SECURITY WINDOWS.	IN CONTRACT
EQ-3	EVIDENCE PASS-THROUGH LOCKER	EQ-3B UNIT TO BE REFRIGERATED. REFER TO SPECIFICATION 105113 METAL LOCKERS.	OFOI
EQ-4	EVIDENCE REFRIGERATOR	REFER TO SPECIFICATION 105113 METAL LOCKERS.	OFOI
EQ-5	EVIDENCE STORAGE LOCKER TYPE 1	REFER TO SPECIFICATION 105113 METAL LOCKERS.	OFOI
EQ-6	EVIDENCE STORAGE LOCKER TYPE 2	REFER TO SPECIFICATION 105113 METAL LOCKERS.	OFOI
EQ-7	HIGH-DENSITY MOBILE STORAGE SYSTEM	REFER TO SPECIFICATION 105626.13 MOBILE STORAGE SHELVING UNITS.	OFOI
EQ-8	ARMORY STORAGE LOCKER TYPE 1	REFER TO SPECIFICATION 105113 METAL LOCKERS.	OFOI
EQ-9	ARMORY STORAGE LOCKER TYPE 2	REFER TO SPECIFICATION 105113 METAL LOCKERS.	OFOI
EQ-10	PROCESSING GUN LOCKER	REFER TO SPECIFICATION 105113 METAL LOCKERS. EQ-10A RECESSED FLUSH MOUNT. EQ-10B SURFACE MOUNT.	OFOI
EQ-11	ARMORY WORKBENCH	REFER TO SPECIFICATION SECTION 111100.	OFOI
EQ-12	GO-BAG STORAGE SHELVING	REFER TO SPECIFICATION 105113 METAL LOCKERS.	OFOI
EQ-13	43" TV & FIXED TV WALL MOUNT	SAMSUNG; QN43Q60CAF; OR APPROVED EQUAL AND SANUS PREMIUM SERIES FIXED-POSITION WALL MOUNT; VML5; OR APPROVED EQUAL	OFCI
EQ-14	GEAR LOCKER w/ INTEGRAL BENCH	REFER TO SPECIFICATION 105113 METAL LOCKERS.	OFOI
EQ-15	GEAR LOCKER - ADA	REFER TO SPECIFICATION 105113 METAL LOCKERS.	OFOI
EQ-15A	GEAR LOCKER - DOUBLE DOOR	REFER TO SPECIFICATION 105113 METAL LOCKERS.	OFOI
EQ-16	RESIDENTIAL MICROWAVE	COUNTERTOP MODEL	OFOI
EQ-17	RESIDENTIAL REFRIGERATOR	30-INCH WIDE MODEL, FACTORY INSTALLED ICE MAKER IN FREEZER	OFOI
EQ-18	INTERVIEW TABLE	REFER TO SPECIFICATION 125500 DETENTION FURNITURE.	OFOI
EQ-19	PROCESSING BENCH	REFER TO SPECIFICATION 125500 DETENTION FURNITURE.	OFOI
EQ-20	OBSERVATION WINDOW	REFER TO SPECIFICATION 085653 SECURITY WINDOWS.	IN CONTRACT
EQ-21	CLOSET SHELVING	REFER TO SPECIFICATION 105723 CLOSET AND UTILITY SHELVING.	IN CONTRACT

○ CASEWORK SCHEDULE

TYPE NO.	DESCRIPTION	HEIGHT	WIDTH	DEPTH	BASIS OF DESIGN	CAT NO.	ADDITIONAL INFORMATION
C-1	Base Casework	2'-9"	1'-3"	2'-0"	Stevens Industries	10120	LOCKABLE
C-2	Base Casework	2'-5"	2'-9"	2'-0"	Stevens Industries	10441	
C-3	Base Casework	2'-5"	3'-9"	2'-0"	Stevens Industries	10673	
C-4	Base Casework	2'-5"	3'-6"	2'-0"	Stevens Industries	10206	
C-5	Base Casework	2'-5"	1'-3"	2'-0"	Stevens Industries	10421	
C-7	Base Casework	2'-5"	2'-3"	2'-0"	Stevens Industries	10314	
C-8	Base Casework	2'-9"	3'-0"	2'-0"	Stevens Industries	10356	
C-9	Base Casework	2'-9"	2'-6"	2'-0"	Stevens Industries	10339	
C-10	Base Casework	2'-11"	3'-0"	2'-0"	Stevens Industries	10432	
C-11	Base Casework	2'-11"	2'-6"	2'-0"	Stevens Industries	10339	
C-12	Base Casework	2'-11"	3'-0"	2'-0"	Stevens Industries	10724	
C-13	Sink Base Casework	2'-8 1/2"	3'-0"	2'-0"	Stevens Industries	10678	
C-14	Base Casework	2'-8 1/2"	3'-0"	2'-0"	Stevens Industries	10441	
C-15	Base Casework	2'-4 1/2"	1'-6"	2'-0"	Stevens Industries	10339	
C-16	Base Casework	2'-5"	1'-3"	2'-0"	Stevens Industries	10329	
C-17	Base Casework	2'-5"	2'-6"	2'-0"	Stevens Industries	10432	
C-18	Base Casework	2'-9"	3'-0"	1'-9"	Stevens Industries	10432	
C-19	Base Casework	2'-9"	1'-3"	1'-9"	Stevens Industries	10421	
C-20	Base Casework	2'-9"	3'-6"	2'-0"	Stevens Industries	10206	
C-21	Base Casework	2'-9"	2'-9"	2'-0"	Stevens Industries	10432	
C-22	Base Casework	2'-9"	2'-9"	2'-0"	Stevens Industries	10339	
C-23	Base Casework	2'-9"	1'-3"	2'-0"	Stevens Industries	10339	
C-24	Base Casework	2'-5"	3'-9"	1'-0"	Stevens Industries	10129	
C-25	Base Casework	3'-4 1/2"	2'-0"	1'-6"	Stevens Industries	10120	LOCKABLE
C-26	Base Casework	2'-7 1/2"	4'-7 1/4"	1'-6"	Stevens Industries	10579	
C-27	Base Casework	2'-9"	2'-0"	1'-6"	Stevens Industries	10421	LOCKABLE
C-28	Wall Casework	0'-11"	2'-6"	1'-0"	Stevens Industries	15253	CUSTOM SIZE
C-29	Wall Casework	2'-6"	3'-0"	1'-6"	Stevens Industries	15254	
C-30	Wall Casework	2'-1"	3'-0"	1'-6"	Stevens Industries	15101	
C-31	Wall Casework	3'-0"	2'-6"	1'-6"	Stevens Industries	15129	
C-32	Wall Casework	3'-0"	1'-6"	1'-6"	Stevens Industries	15101	
C-33	Wall Casework	3'-0"	1'-6"	1'-6"	Stevens Industries	15120	
C-34	Wall Casework	2'-1"	2'-6"	1'-2"	Stevens Industries	15129	
C-35	Wall Casework	2'-1"	1'-6"	1'-2"	Stevens Industries	15101	
C-36	Wall Casework	2'-1"	3'-0"	1'-2"	Stevens Industries	15129	
C-37	Base Casework	2'-8"	1'-6"	2'-0"	Stevens Industries	10339	
C-38	Wall Casework	2'-1"	1'-6"	1'-2"	Stevens Industries	15121	
C-39	Wall Casework	1'-10"	3'-0"	1'-2"	Stevens Industries	15129	CUSTOM SIZE
C-40	Wall Casework	2'-6"	3'-0"	1'-6"	Stevens Industries	15101	
C-41	Base Casework	2'-11"	3'-0"	1'-9"	Stevens Industries	10343	
C-42	Base Casework	2'-8 1/2"	1'-6"	1'-10"	Stevens Industries	10339	

ACCESSORIES SCHEDULE

NO.	BASIS OF DESIGN	ITEM	INSTALLED BY	SUPPLIED BY
A-1	BOBRICK	H.C. GRAB BAR (B6106 X 36)	CONTRACTOR	CONTRACTOR
A-2	BOBRICK	H.C. GRAB BAR (B6106 X 48)	CONTRACTOR	CONTRACTOR
A-3	BOBRICK	H.C. GRAB BAR (B6106 X 18)	CONTRACTOR	CONTRACTOR
A-4	BOBRICK	TOILET TISSUE DISPENSER (B-2888)	CONTRACTOR	CONTRACTOR
A-5	BOBRICK	SOAP DISPENSER (B-2111)	CONTRACTOR	CONTRACTOR
A-6	BOBRICK	24 X 36 MIRROR (B-165)	CONTRACTOR	CONTRACTOR
A-7	BOBRICK	RECESSED PAPER TOWEL/WASTE DISPENSER (B-3940)	CONTRACTOR	CONTRACTOR
A-8	BOBRICK	AUTOMATIC PAPER TOWEL DISPENSER (B-72974)	CONTRACTOR	CONTRACTOR
A-9	BOBRICK	SHELF W/MOP & BROOM HOLDER & HOOKS	CONTRACTOR	CONTRACTOR
A-10	KOALA KARE	BABY CHANGING STATION	CONTRACTOR	CONTRACTOR
A-11	SLOAN	DECK-MOUNTED FOAM SOAP DISPENSER (ESD-800)	CONTRACTOR	CONTRACTOR
A-12	BOBRICK	PARTITION MOUNTED SANITARY NAPKIN DISPOSAL (B-354)	CONTRACTOR	CONTRACTOR
A-13	BOBRICK	HEAVY DUTY SHOWER CURTAIN ROD (B-6107X36), WHITE VINYL SHOWER CURTAIN (204-2), AND STAINLESS STEEL SHOWER CURTAIN HOOKS (204-1; QTY: 7)	CONTRACTOR	CONTRACTOR

GENERAL NOTES - INTERIOR ELEVATIONS

1. REFER TO SHEET A1.80 - FINISH PLAN FOR INTERIOR FINISH SELECTIONS.
2. REFERENCE SHEET G1.00 FOR ANSI 117.1-2009 REQUIRED ADA CLEARANCES.
3. PC TO COORDINATE W/ GC FOR ALL PLUMBING FIXTURE LOCATIONS.
4. FURNITURE AND SPECIALTY EQUIPMENT SHOWN IS TO BE PROVIDED AND INSTALLED BY OWNER UNLESS NOTED OTHERWISE. REFER TO A1.81 FOR FURNITURE AND EQUIPMENT PLAN.

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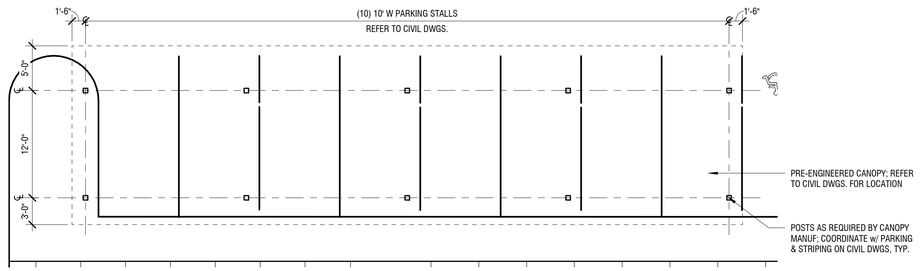
REGISTERED ARCHITECT
COMMONWEALTH OF PENNSYLVANIA
DOMINIC GALIOTTO JR. AW-016990

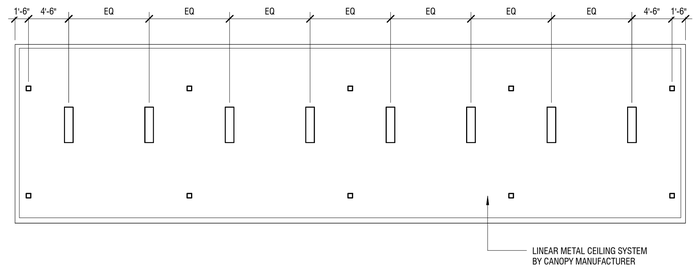
SHEET TITLE:
ENLARGED PLANS & INTERIOR ELEVATIONS

DATE: 03/31/2025
SCALE: 1/4" = 1'-0"
DRAWN BY: Author
CHECKED BY: Checker
PROJ NO: 22-0058

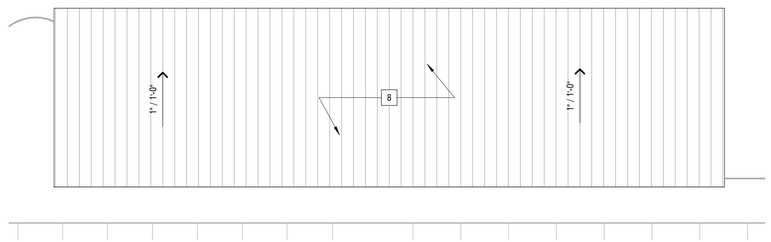
A5.00



2 **FLOOR PLAN**
1/8" = 1'-0"



1 **REFLECTED CEILING PLAN**
1/8" = 1'-0"



3 **ROOF PLAN**
1/8" = 1'-0"

3/21/2025, 1:59:37 PM ©COPYRIGHT ALLOY5 ARCHITECTURE

GENERAL CEILING NOTES

1. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR CEILING EQUIPMENT INCLUDING BUT NOT LIMITED TO GRILLES, REGISTERS, DIFFUSERS, SPRINKLER HEADS, LIGHTING, AND EMERGENCY FIXTURES.
2. REFER TO MEP DRAWINGS FOR EXACT LOCATIONS, QUANTITIES, AND SIZES OF ALL EQUIPMENT.
3. WHERE TEGULAR TILE IS USED PROVIDE TEGULAR EDGE ON CUT SIDE OF TILE.
4. REFERENCE FLOOR PLANS FOR DIMENSIONS AND ADDITIONAL DETAILS FOR ROOMS SCHEDULED TO HAVE CEILINGS.
5. BOTTOM OF ALL TRUSSES TO HAVE CONTINUOUS 7/8" MTL FURRING AND 5/8" TYPE X GYPSUM CEILING BOARD INSTALLED AT UNDERSIDE. ALL JOINTS ARE TO BE FIRE TAPED AND SEALED AT THE WALL. REFER TO WALL SECTIONS AND DETAILS.
6. WHERE ACOUSTICAL CEILING TILES ARE SCHEDULED, PERIMETER GRID TILES TO BE EQUAL ON ALL SIDES. CENTER ALL LIGHT FIXTURES, MECHANICAL DIFFUSERS, CEILING DEVICES, ETC. IN CEILING TILES, UNLESS NOTED OR DIMENSIONED OTHERWISE.

CEILING LEGEND

- 2'x2' SUSPENDED ACOUSTIC TILE CEILING SYSTEM (ACT)
- GYPSUM BOARD CEILING / SOFFIT (GWB)
- SUSPENDED LINEAR WOOD PLANK CEILING SYSTEM (WD PANEL)
- LINEAR HARDENED CEILING SYSTEM (MTL PLANK) TYPE 1
- LINEAR HARDENED CEILING SYSTEM (MTL PLANK) TYPE 2
- 4" SQUARE LED DOWNLIGHT
- 2'x2' RECESSED DIRECT-INDIRECT LED FIXTURE
- 4' LINEAR RECESSED LED LIGHT FIXTURE
- 8' LINEAR SUSPENDED LED LIGHT FIXTURE
- 1'x4' WP SURFACE MOUNT LED LIGHT FIXTURE
- 1'x4' INSTITUTIONAL SURFACE MOUNT LED LIGHT FIXTURE
- 4" RECESSED EXT. SOFFIT LED FIXTURE
- LED FLOOD WALL PACK LIGHT FIXTURE

GENERAL ROOF NOTES

1. REFERENCE STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
2. REFERENCE MEP DRAWINGS FOR ROOF TOP EQUIPMENT, PIPES THRU ROOF, EXHAUST, ETC.
3. ICE AND WATER SHIELD INSTALLED 2'-0" MIN. AT INTERIOR SIDE OF EXTERIOR PERIMETER WALL, EITHER SIDE OF VALLEY/S, AND RIDGE/S. CONTRACTOR TO INSTALL PER MANUFACTURERS SPECIFICATIONS AND WARRANTY REQUIREMENTS.
4. FOR ROOF OPENINGS, THE GC IS RESPONSIBLE FOR PROVIDING THE STRUCTURAL FRAMING FOR THE OPENING. REFERENCE STRUCTURAL DRAWINGS FOR FRAMING DETAILS. GC TO COORDINATE WITH MC FOR PROVIDING EXACT LOCATIONS AND SIZE OF ALL HVAC EQUIPMENT REQUIRED.
5. GC TO COORDINATE DETAILS WITH MANUFACTURERS TYPICAL DETAILS.

ROOF LEGEND

- DIRECTION OF SLOPE
- CHANGE IN LEVEL
- ROOF AREA - A — ROOF IDENTIFIER
- AREA OF SNOW GUARDS SPACED PER MANUFACTURER'S RECOMMENDATIONS
- INDICATES ICE AND WATER SHIELD. 2'-0" MIN. FROM INTERIOR SIDE OF EXTERIOR WALL. 2'-0" MIN. ON EITHER SIDE AT VALLEYS AND RIDGE.

☐ KEYED ROOF NOTES

NO.	NOTE
1	ASPHALT SHINGLE ROOF SYSTEM
2	RIDGE VENT. REF: TYP. RIDGE VENT DETAIL 2/A1.40
3	PREFINISHED ALUMINUM 6" GUTTER - CUSTOM COLOR
4	PREFINISHED ALUMINUM 3.75" X 4.75" DOWNSPOUT - CUSTOM COLOR. TIE INTO STORMWATER SYSTEM w/ CAST IRON BOOT, REF: MEP DWGS FOR ADDITIONAL INFORMATION
5	ICE & WATER SHIELD. 2'-0" MIN. FROM INTERIOR SIDE OF EXTERIOR PERIMETER WALL. 2'-0" MIN. OF EITHER SIDE AT VALLEYS AND RIDGE REF: ROOF LEGEND
6	SNOW GUARDS SPACED PER MANUFACTURERS RECOMMENDATIONS
7	CANOPY ROOF BELOW; REF: EXTERIOR ELEVATIONS
8	PRE-ENGINEERED CANOPY ROOF; REF: CIVIL DWGS FOR LOCATION
9	EDGE OF SIDEWALK; REF: CIVIL DWGS, TYP.
10	DASHED AREAS INDICATE APPROXIMATE LOCATIONS OF ACCESS HATCH & MECHANICAL UNIT AND '36" CATWALK' IN ATTIC BELOW; COORDINATE TRUSS PROFILES FOR ACCESS. REFER TO STRUCTURAL DWGS.

GENERAL PLAN NOTES

1. REFERENCE CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
2. ALL PARTITIONS ARE TO BE TYPE P50B UNLESS INDICATED OTHERWISE. REFER TO SHEET A5.00 - ENGLARGED PLANS & DETAILS FOR MORE INFORMATION. REFER TO SHEET G2.00 - PARTITION DETAILS FOR PARTITION TYPES.
3. ALL CORRIDOR PARTITIONS ARE TO EXTEND TO THE UNDERSIDE OF THE FLOOR/ROOF STRUCTURE ABOVE, SEAL PARTITIONS SOUND TIGHT.
4. PROVIDE BLOCKING IN PARTITIONS AS REQUIRED FOR INSTALLATION OF ALL WALL MOUNTED CABINETRY, SHELVING, EQUIPMENT, HANDRAILS, AND ACCESSORIES.
5. CABINET MAKER SHALL PROVIDE ALL CUTOUTS, HOLES, ETC. FOR ELECTRICAL, PLUMBING, AND MECHANICAL DEVICES AS REQUIRED. COORDINATE WITH EACH PRIME CONTRACTOR.
6. ALL CONTRACTORS SHALL BE RESPONSIBLE FOR IDENTIFYING ROOMS, SIGNS, DOORS, KEYS, EQUIPMENT, PANELS, ETC BY THE OWNER'S FINAL NUMBERING - **NOT** THE ARCHITECTURAL NUMBERS.
7. REFER TO SHEET A1.60 FOR FINISH SCHEDULE AND FINISH PLAN. REFER TO SHEET A1.61 FOR FURNITURE AND EQUIPMENT PLAN AND EQUIPMENT SCHEDULE.

PROJECT:

ADMINISTRATION AND POLICE DEPARTMENT BUILDING

2290 GILBERTSVILLE ROAD
POTTSTOWN, PA 19464

OWNER:

UPPER POTTSGROVE TOWNSHIP

1409 FARMINGTON AVENUE
POTTSTOWN, PA 19464

PROJECT TEAM:

ARCHITECT:
ALLOY5
ARCHITECTURE

CIVIL:
CHESTER VALLEY
ENGINEERS, INC.
112 MOORES ROAD
SUITE 200
MALVERN, PA 19355
610-644-4623

STRUCTURAL:
SLATE STRUCTURAL ENGINEERS
40 SOUTH MAIN STREET
NAZARETH, PA 18064
610-365-7634

MEPF:
PROJECTX DESIGN GROUP
2433 BLUEJAY DRIVE
NAZARETH, PA 18064
610-365-2436

SUBMISSIONS:

NO.	ISSUE DESCRIPTION	DATE
	BID DOCUMENTS	03/31/25
	PERMIT SET	06/20/25

KEY PLAN:

REGISTRATION:

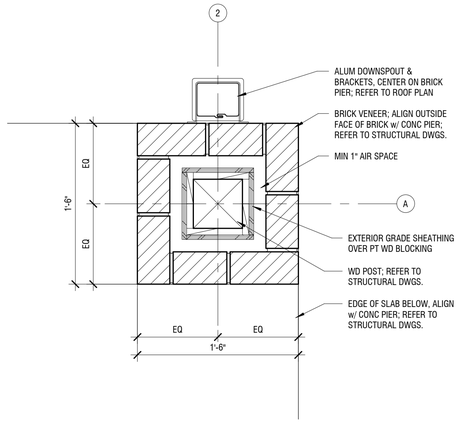
ALLOY5
ARCHITECTURE
530 WEST BROAD ST BETHLEHEM, PA 18018
610.419.4055

SHEET TITLE:

CANOPY DETAILS

DATE:	03/31/2025
SCALE:	As indicated
DRAWN BY:	Author
CHECKED BY:	Checker
PROJ NO:	22-0058

A5.01



1 **PLAN DETAIL @ TYP EXT BRICK PIER**
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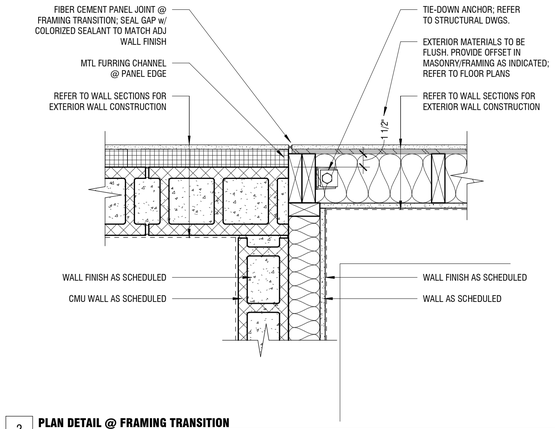
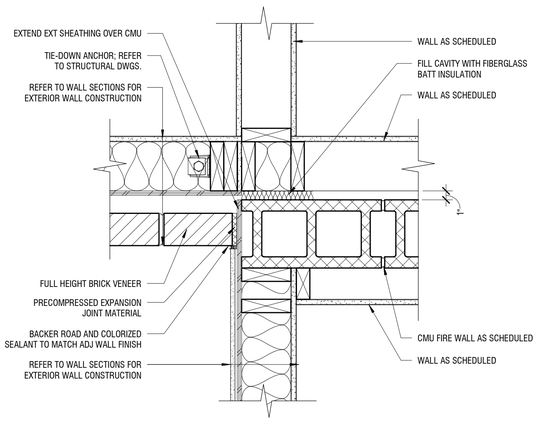
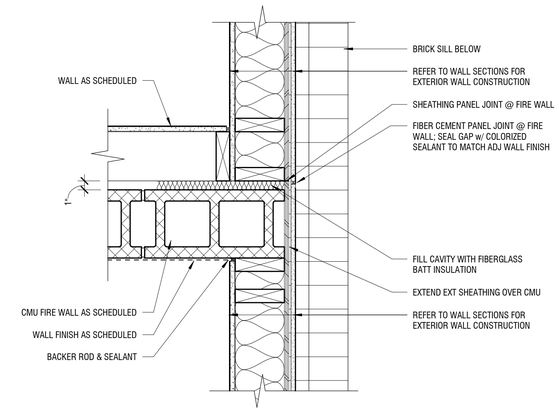


2 **PLAN DETAIL @ FRAMING TRANSITION**
1 1/2" = 1'-0"



3 **PLAN DETAIL @ FIRE WALL**
1 1/2" = 1'-0"



4 **PLAN DETAIL @ FIRE WALL**
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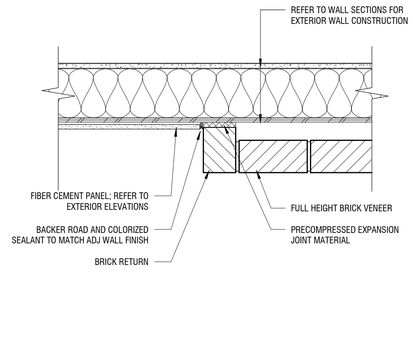
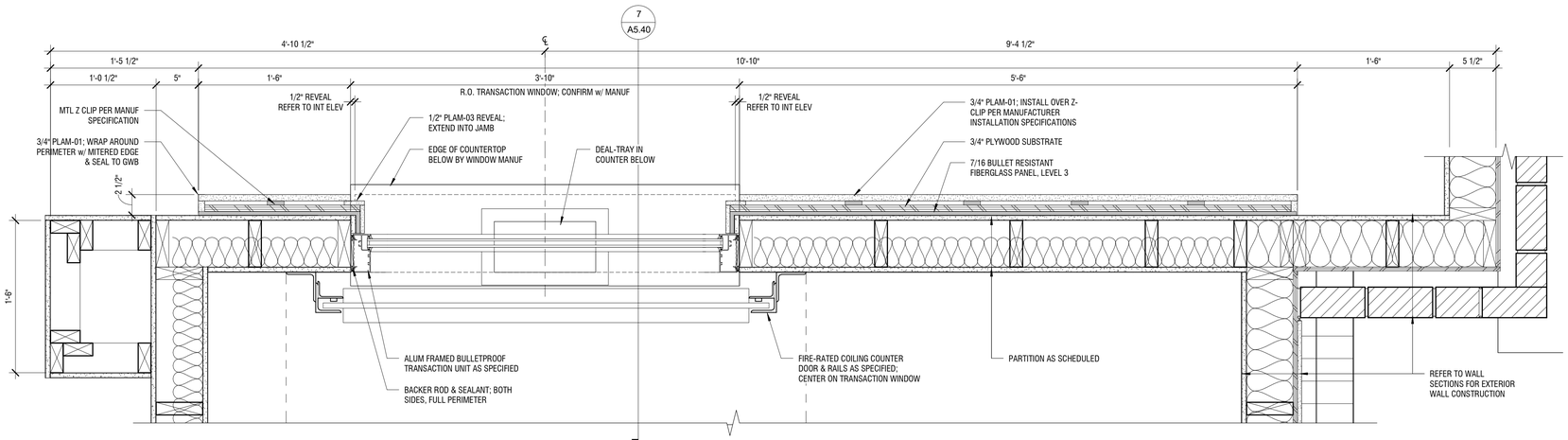
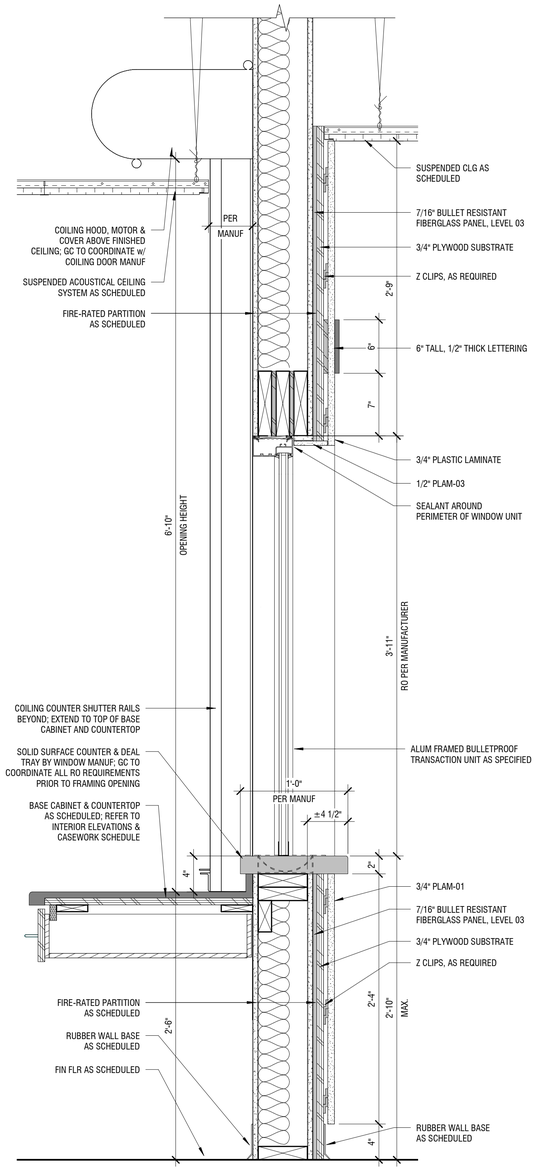


5 **PLAN DETAIL @ BRICK TO FIBER CEMENT TRANSITION**
1 1/2" = 1'-0"



6 **PLAN DETAIL @ TRANSACTION WINDOW**
1 1/2" = 1'-0"



7 **SECTION DETAIL @ TRANSACTION WINDOW**
1 1/2" = 1'-0"

3/21/2025 1:59:40 PM ©COPYRIGHT ALLOY5 ARCHITECTURE

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ARCHITECTURE
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610.419.4055

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COMMONWEALTH OF PENNSYLVANIA
RAVINI GALIOTTO JR. RA-AE016990

SHEET TITLE:

PLAN DETAILS

DATE: 03/31/2025
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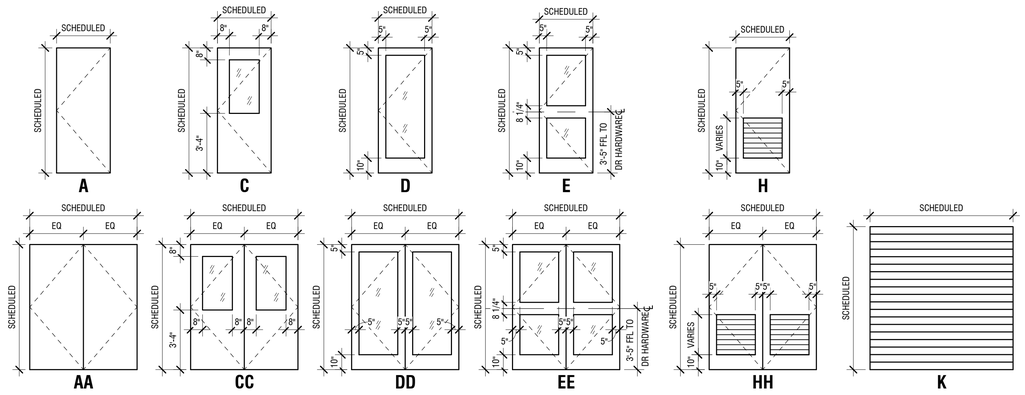
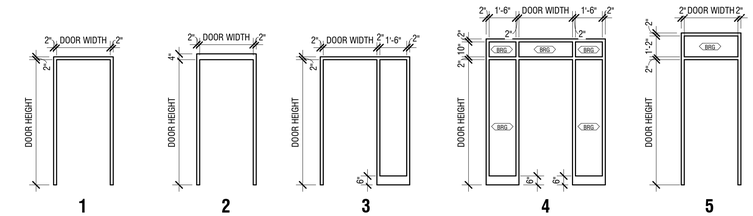
A5.40



DOOR ELEVATIONS
1/4" = 1'-0"

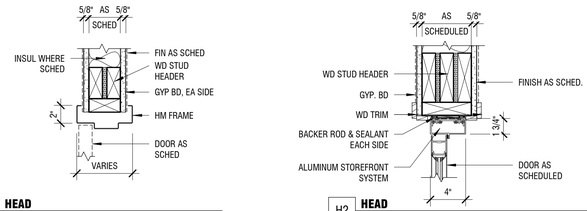


FRAME ELEVATIONS
1/4" = 1'-0"

DOOR & FRAME SCHEDULE

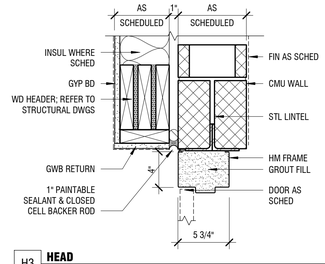
NO.	TYPE	MATERIAL	FINISH	SIZE WIDTH	SIZE HEIGHT	LABEL & RATING	FRAME DATA: FRAME TYPE	FRAME MATERIAL	FRAME FINISH	DETAILS: HEAD	DETAILS: SILL	DETAILS: JAMB	HARDWARE SET	NOTES
001	A	WD	STN	3'-0"	7'-0"	90 MIN	2	HM	PT	H3	S2	J3		3, 9
002	A	WD	STN	3'-0"	7'-0"	90 MIN	2	HM	PT	H3	S1	J3		5, 12, 16
003	A	WD	STN	3'-0"	7'-0"	90 MIN	2	HM	PT	H3	S2	J3		5, 9
003A	A	WD	STN	3'-0"	7'-0"	20 MIN	1	HM	PT	H4	S2	J4		5, 9
004	A	WD	STN	3'-0"	7'-0"	20 MIN	1	HM	PT	H1	S4	J1		9
005	A	WD	STN	3'-0"	7'-0"	20 MIN	1	HM	PT	H1	S3	J1		13
006	A	WD	STN	3'-0"	7'-0"	20 MIN	1	HM	PT	H4	S2	J4		5, 9
007	A	WD	STN	3'-0"	7'-0"	20 MIN	1	HM	PT	H4	S2	J4		5, 9
008	A	WD	STN	3'-0"	7'-0"	20 MIN	1	HM	PT	H4	S2	J4		5, 9
009A	D	WD	STN	3'-0"	7'-0"	20 MIN	3	HM	PT	H1	S2	J1		9
009B	D	WD	STN	3'-0"	7'-0"	20 MIN	3	HM	PT	H1	S2	J1		
010	A	WD	STN	3'-0"	7'-0"	20 MIN	1	HM	PT	H1	-	J1		5, 9
011	A	WD	STN	3'-0"	7'-0"	20 MIN	1	HM	PT	H1	-	J1		5, 9
012	A	WD	STN	3'-0"	7'-0"	20 MIN	2	HM	PT	H5	S4	J5		5, 9
014	A	WD	STN	3'-0"	7'-0"	20 MIN	1	HM	PT	H1	S3	J1		9
014A	A	HM	PT	3'-0"	7'-0"		1	HM	PT	H1	S1	J1		9
015	A	WD	STN	3'-0"	7'-0"	20 MIN	1	HM	PT	H1	-	J1		9
015A	A	ALUM	FAC	3'-0"	7'-0"		1	ALUM	FAC	H6	SEE 4/A4.40	J6		5, 16
016	C	ALUM	FAC	3'-0"	7'-0"		1	ALUM	FAC	H2	S2	J2		10
016A	C	SEC	FAC	3'-0"	7'-0"		5	SEC	FAC	SEE 5/A4.40	SEE 4/A4.40	J6		5, 6, 10, 16
017	A	WD	STN	3'-0"	7'-0"	20 MIN	1	HM	PT	H1	-	J1		5, 9
018	A	WD	STN	3'-0"	7'-0"	20 MIN	1	HM	PT	H1	S3	J1A		9
018A	A	HM	PT	3'-0"	7'-0"		1	HM	PT	H1	S1	J1A		9
019	A	WD	STN	3'-0"	7'-0"	20 MIN	2	HM	PT	H5	S1	J5		9
020	A	IHM	PT	3'-0"	7'-0"	20 MIN	2	IHM	PT	H7	SEE 11/4.02	J7		5, 6, 8, 10
020A	C	HM	PT	3'-0"	7'-0"	20 MIN	2	HM	PT	H8	S1	J9		5, 6, 8, 9
021	A	WD	STN	3'-0"	7'-0"	20 MIN	2	HM	PT	H8	S1	J8		5, 9
022	A	WD	STN	3'-0"	7'-0"	20 MIN	2	HM	PT	H8	S1	J8		5, 9
023	A	WD	STN	3'-0"	7'-0"	20 MIN	2	HM	PT	H8	S1	J8		5, 13
024	A	WD	STN	3'-0"	7'-0"	20 MIN	2	HM	PT	H8	S1	J8		5, 9
025	A	HM	PT	3'-0"	7'-0"		2	HM	PT	H8	-	J8		5, 9
026	A	IHM	PT	3'-0"	7'-0"		2	IHM	PT	H7	SEE 11/4.02	J7		5, 8, 10
026A	K	STL	FAC	12'-0"	10'-0"		2	STL	FAC	SEE 7/A9.00	SEE 6/A9.00	J12		5, 6, 7, 8
027	A	WD	STN	3'-0"	7'-0"	90 MIN	2	HM	PT	H9	S2	J9		5, 9
102	D	WD	STN	3'-0"	7'-0"	20 MIN	1	HM	PT	H4	S2	J4		5, 9
103	D	WD	STN	3'-0"	7'-0"	20 MIN	1	HM	PT	H4	S2	J4		5, 9
104	A	WD	STN	3'-0"	7'-0"	20 MIN	1	HM	PT	H1	S3	J1A		13
105	A	WD	STN	3'-0"	7'-0"	20 MIN	1	HM	PT	H1	-	J1A		5, 9
106	D	WD	STN	3'-0"	7'-0"	20 MIN	1	HM	PT	H1	S2	J1		5, 9
108	D	WD	STN	3'-0"	7'-0"	20 MIN	1	HM	PT	H1	S2	J1A		5, 9
109	D	WD	STN	3'-0"	7'-0"	20 MIN	1	HM	PT	H4	S2	J4		9
109A	A	WD	STN	3'-0"	7'-0"		1	HM	PT	H4	S1	J4		5, 9, 11
110	A	WD	STN	3'-0"	7'-0"	20 MIN	1	HM	PT	H1	S4	J1A		5, 9
111	A	WD	STN	3'-0"	7'-0"	20 MIN	1	HM	PT	H1	-	J1		9
111A	A	ALUM	FAC	3'-0"	7'-0"		1	ALUM	FAC	H6	SEE 4/A4.40	J6/J10		5, 16
112A	C	ALUM	FAC	3'-0"	7'-0"		5	ALUM	FAC	SEE 5/A4.40	SEE 4/A4.40	J6/J10		10, 16
113	EE	SEC	FAC	6'-0"	7'-0"		4	SEC	FAC	H11	S2	J11		2, 5, 6, 12, 16
113A	EE	SEC	FAC	6'-0"	7'-0"		4	SEC	FAC	SEE 5/A4.40	SEE 4/A4.40	J11		2, 5, 6, 12, 16
114A	A	WD	STN	3'-0"	7'-0"	20 MIN	1	HM	PT	H1	-	J1A		5, 9, 16
114B	A	WD	STN	3'-0"	7'-0"	20 MIN	1	HM	PT	H1	-	J1A		5, 9, 10, 16
115	DD	ALUM	FAC	6'-0"	7'-0"	20 MIN	4	ALUM	FAC	H11	S2	J11		2, 9, 10, 11
115A	A	ALUM	FAC	3'-0"	7'-0"		1	ALUM	FAC	H6	SEE 4/A4.40	J6		4, 5, 10
116	AA	WD	STN	5'-0"	7'-0"		1	HM	PT	H1	-	J1		1, 9
117	AA	WD	STN	5'-0"	7'-0"		1	HM	PT	H1	-	J1		1, 9
118	A	WD	STN	3'-0"	7'-0"	20 MIN	1	HM	PT	H1	S3	J1A		15
119	A	WD	STN	3'-0"	7'-0"	20 MIN	1	HM	PT	H1	S3	J1		14
120	A	HM	PT	3'-0"	7'-0"		1	HM	PT	H1	S4	J1A	1	9

SEE SPECIFICATION SECTION 087100 HARDWARE

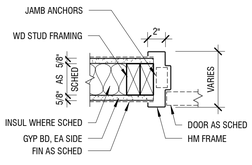


H1 **HEAD**
1 1/2" = 1'-0"

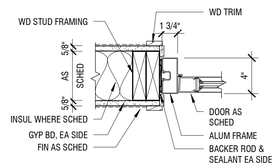
H2 **HEAD**
1 1/2" = 1'-0"



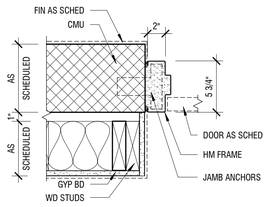
H3 **HEAD**
1 1/2" = 1'-0"



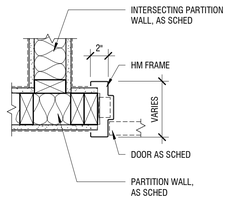
J1 **JAMB**
1 1/2" = 1'-0"



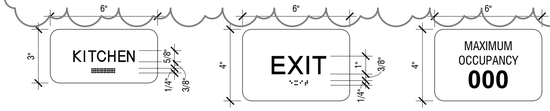
J2 **JAMB**
1 1/2" = 1'-0"



J3 **JAMB**
1 1/2" = 1'-0"



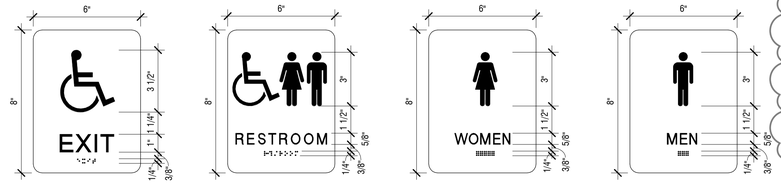
J1A **TYPICAL HINGE SIDE-WD FRAME**
1 1/2" = 1'-0"



SIGN TYPE 01
TYPICAL ROOM ID

SIGN TYPE 02
EXIT ACCESS

SIGN TYPE 03
ASSEMBLY MAX OCCUPANCY



SIGN TYPE 04
ACCESSIBLE EXIT ACCESS

SIGN TYPE 05
ACCESSIBLE RESTROOM

SIGN TYPE 06
RESTROOM

SIGN TYPE 07
RESTROOM

1 **A5_TYPICAL SIGNAGE DETAILS**
3" = 1'-0"

GENERAL DOOR NOTES

1. ALL HARDWARE TO BE ACCESSIBLE AND COMPLY WITH ANSI A117.1-2009
2. PROVIDE CLOSERS & SMOKE SEALS ON ALL RATED DOORS
3. ABBREVIATION SEC ON DOOR SCHEDULE REFERS TO SECURITY ALUMINUM ENTRANCE SYSTEM PER SPECIFICATION SECTION 084213
4. THE LABEL & RATING APPLIES TO THE DOOR, FRAME, AND ALL HARDWARE.

DOOR SCHEDULE NOTES

1. (2) 2'-6" DOOR PANELS
2. (2) 3'-0" DOOR PANELS
3. MAGNETIC HOLD OPEN & TIED TO FIRE ALARM
4. EMERGENCY EXIT ONLY & TIED TO FIRE ALARM
5. ACCESS CONTROLLED DOOR
6. BULLET RESISTANT DOOR & FRAME
7. OVERHEAD COILING DOOR
8. SEE BID ALTERNATE ON SHEET A9.00
9. PROVIDE SIGN TYPE 01
10. PROVIDE SIGN TYPE 02
11. PROVIDE SIGN TYPE 03
12. PROVIDE SIGN TYPE 04
13. PROVIDE SIGN TYPE 05
14. PROVIDE SIGN TYPE 06
15. PROVIDE SIGN TYPE 07
16. PANIC HARDWARE REQUIRED; REFER TO SPECIFICATIONS 087100.

WINDOW GENERAL NOTES

1. REFERENCE SHEET A6.20 FOR STOREFRONT DETAILS.
2. REFERENCE DOOR SCHEDULE FOR DOOR INFORMATION.
3. ALL DIMENSIONS SHOULD BE VERIFIED IN FIELD PRIOR TO FABRICATION

GLAZING TYPES

BRG	CLEAR INSULATED BULLET RESISTANT GLASS
CG	CLEAR GLASS
CT	CLEAR TEMPERED GLASS
CIG	CLEAR INSULATED GLASS
CIT	CLEAR INSULATED TEMPERED GLASS
LIG	LAMINATED INSULATED GLASS
SP	SPANDREL GLASS

PROJECT:
ADMINISTRATION AND POLICE DEPARTMENT BUILDING
2290 GILBERTSVILLE ROAD
POTTSTOWN, PA 19464

OWNER:
UPPER POTTSGROVE TOWNSHIP
1409 FARMINGTON AVENUE
POTTSTOWN, PA 19464

PROJECT TEAM:

ARCHITECT:
ALLOY5 ARCHITECTURE

CIVIL:
CHESTER VALLEY ENGINEERS, INC.
112 MOORES ROAD
SUITE 200
MALVERN, PA 19355
610-644-4623

STRUCTURAL:
SLATE STRUCTURAL ENGINEERS
40 SOUTH MAIN STREET
NAZARETH, PA 18064
610-365-7634

MEPF:
PROJECTX DESIGN GROUP
2433 BLUEJAY DRIVE
NAZARETH, PA 18064
610-365-2436

SUBMISSIONS:

NO.	ISSUE DESCRIPTION	DATE
	BID DOCUMENTS	03/31/25
1	ADDENDUM #01	04/14/25
2	ADDENDUM #02	04/24/25
3	ADDENDUM #03	04/29/25
	PERMIT SET	06/20/25

KEY PLAN:

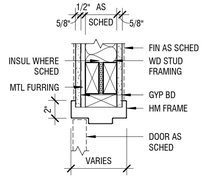
REGISTRATION:
ALLOY5 ARCHITECTURE
530 WEST BROAD ST BETHLEHEM, PA 18018
610.419.4055

SHEET TITLE:
DOOR SCHEDULE & DETAILS

DATE: 03/31/2025
SCALE: As indicated
DRAWN BY: Author
CHECKED BY: Checker
PROJ NO: 22-0058

A6.00

4/29/2025 2:36:48 PM ©COPYRIGHT ALLOY5 ARCHITECTURE



H4 **HEAD**
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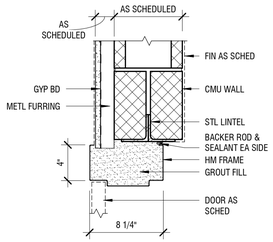

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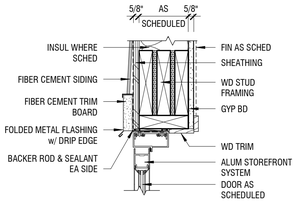

H6 **HEAD**
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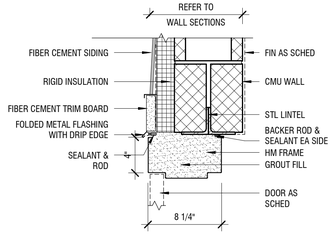

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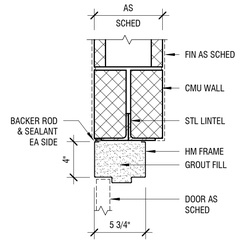

H8 **HEAD**
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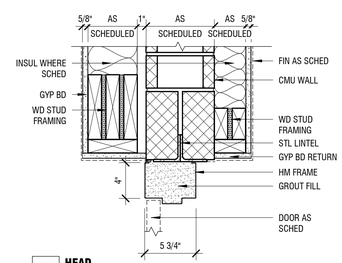

H9 **HEAD**
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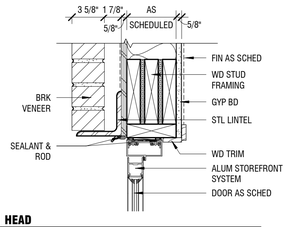

H10 **HEAD**
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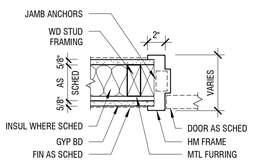

J4 **JAMB**
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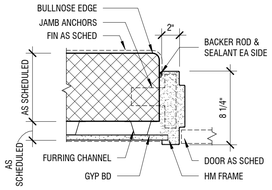

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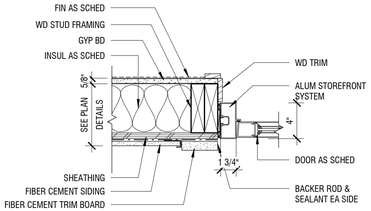

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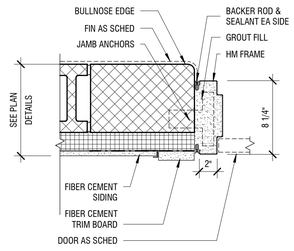

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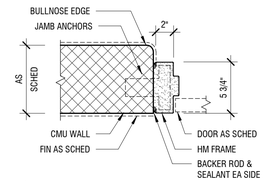

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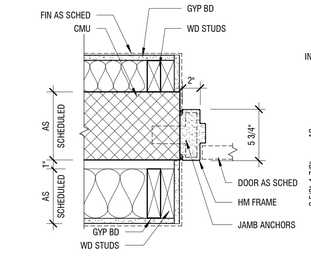

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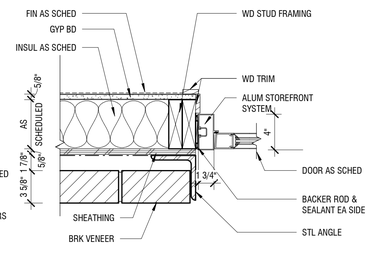

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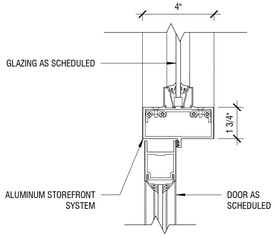
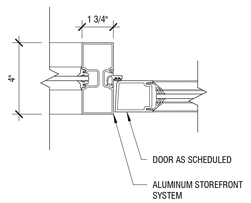
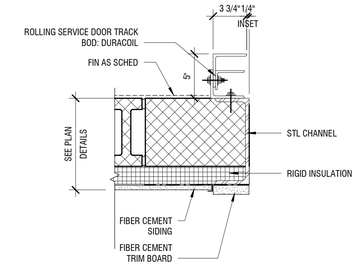


H11 **HEAD**
3" = 1'-0"



J11 **JAMB**
3" = 1'-0"



J12 **JAMB**
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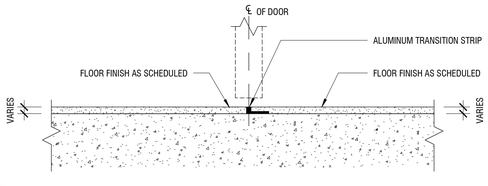
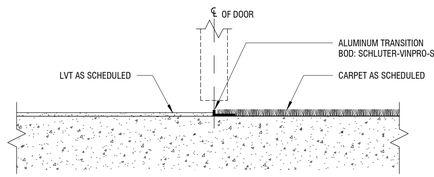


S1 **SILL - TYPICAL FLOOR TRANSITION**
3" = 1'-0"



S2 **SILL -LVT / CARPET TRANSITION**
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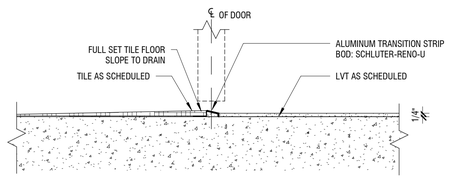

S3 **SILL - LVT / TILE TRANSITION**
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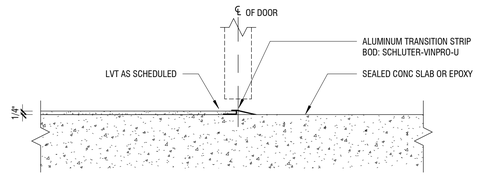


S4 **SILL - LVT / CONC-EPOXY TRANSITION**
3" = 1'-0"

3/21/2025 1:09:46 PM ©COPYRIGHT ALLOY5 ARCHITECTURE

PROJECT:

ADMINISTRATION AND POLICE DEPARTMENT BUILDING

2290 GILBERTSVILLE ROAD
POTTSTOWN, PA 19464

OWNER:

UPPER POTTSGROVE TOWNSHIP

1409 FARMINGTON AVENUE
POTTSTOWN, PA 19464

PROJECT TEAM:

ARCHITECT:
ALLOY5
ARCHITECTURE

CIVIL:
CHESTER VALLEY ENGINEERS, INC.
112 MOORES ROAD
SUITE 200
MALVERN, PA 19355
610-644-4623

STRUCTURAL:
SLATE STRUCTURAL ENGINEERS
40 SOUTH MAIN STREET
NAZARETH, PA 18064
610-365-7634

MEPF:
PROJECTX DESIGN GROUP
2433 BLUEJAY DRIVE
NAZARETH, PA 18064
610-365-2436

SUBMISSIONS:

NO.	ISSUE DESCRIPTION	DATE
	BID DOCUMENTS	03/31/25
	PERMIT SET	06/20/25

KEY PLAN:

REGISTRATION:

ALLOY5
ARCHITECTURE
530 WEST BROAD ST BETHLEHEM, PA 18018
610.419.4055

REGISTERED ARCHITECT
COMMONWEALTH OF PENNSYLVANIA
DAVID GALIOTTO JR. No. RA-AE-059660

SHEET TITLE:

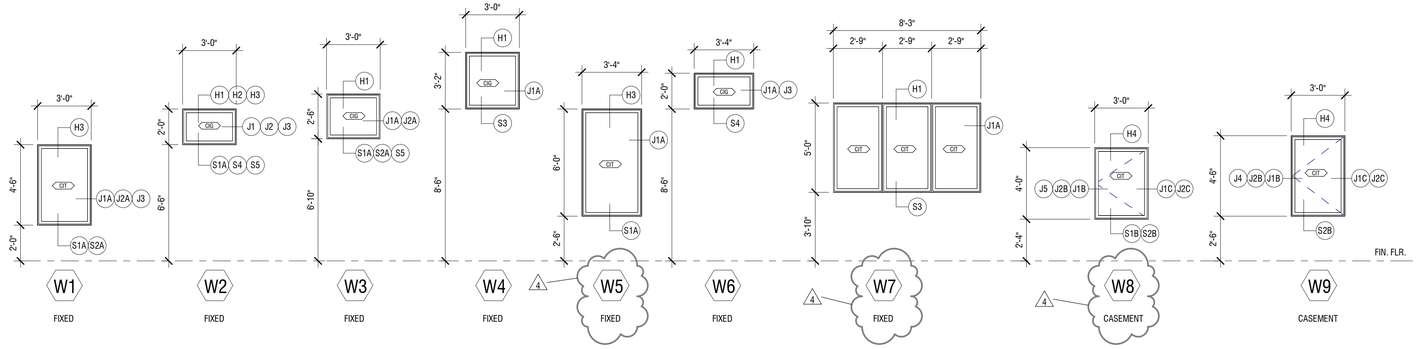
DOOR SCHEDULE & DETAILS

DATE:	03/31/2025
SCALE:	As indicated
DRAWN BY:	Author
CHECKED BY:	Checker
PROJ NO:	22-0058

A6.01

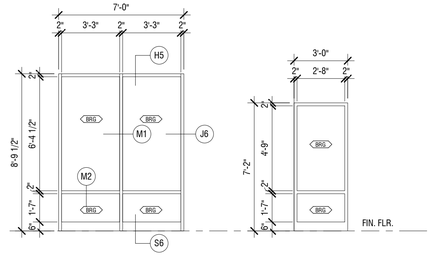
WINDOW ELEVATIONS

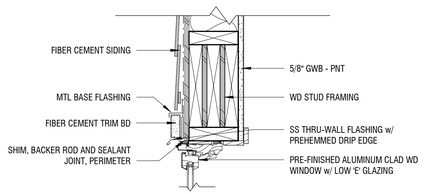
SCALE: 1/4" = 1'-0"



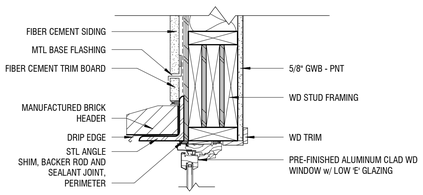
STOREFRONT ELEVATIONS

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

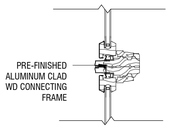




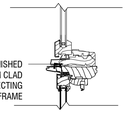
H1 12 / A4.40 FOR MORE INFORMATION



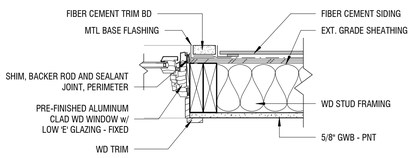
H2



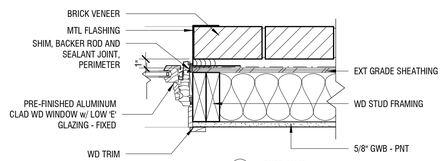
H3 S4 FIXED OVER FIXED



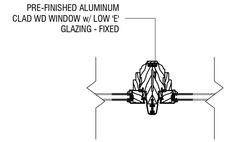
H4 S5 FIXED OVER CASEMENT



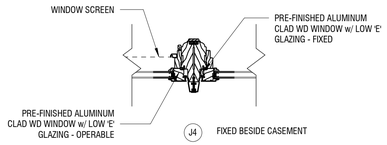
J1A FIXED JAMB



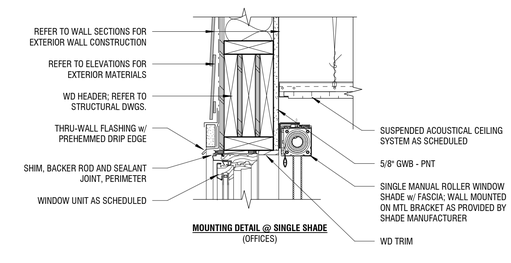
J2A FIXED JAMB



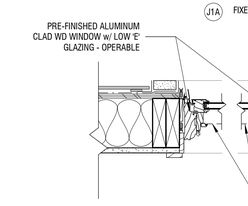
J3 FIXED BESIDE FIXED



J4 FIXED BESIDE CASEMENT

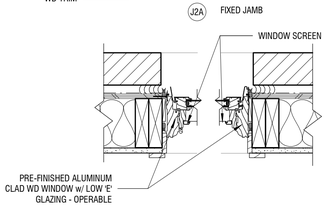


MOUNTING DETAIL @ SINGLE SHADE
(OFFICES)



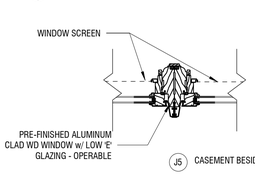
J1B LOCK JAMB
REFER TO J1A FOR NOTES

J1C HINGE JAMB
REFER TO J1A FOR NOTES

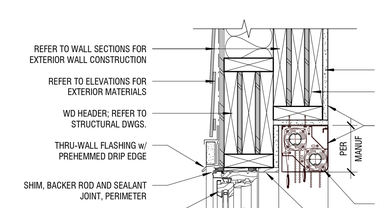


J2B LOCK JAMB
REFER TO J2A FOR NOTES

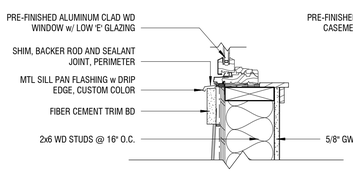
J2C HINGE JAMB
REFER TO J2A FOR NOTES



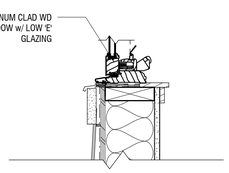
J5 CASEMENT BESIDE CASEMENT



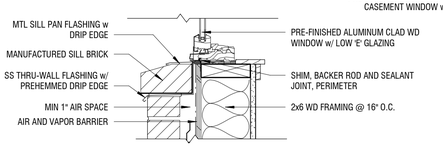
MOUNTING DETAIL @ DOUBLE SHADE



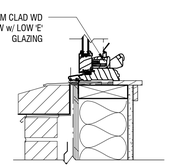
S1A 11 / A4.40 FOR MORE INFORMATION



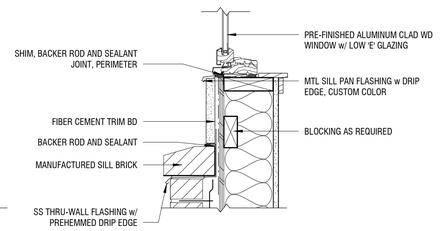
S1B CASEMENT
REFER TO S1A FOR NOTES



S2A 22 / A4.41 FOR MORE INFORMATION



S2B 22 / A4.41
REFER TO S2A FOR NOTES



S3 2 / A4.40 FOR MORE INFORMATION

1 DETAIL - WINDOW SHADES

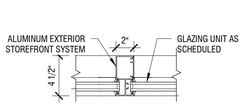
1 1/2" = 1'-0"

WINDOW GENERAL NOTES

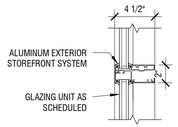
1. REFERENCE SHEET A6.20 FOR STOREFRONT DETAILS.
2. REFERENCE DOOR SCHEDULE FOR DOOR INFORMATION.
3. ALL DIMENSIONS SHOULD BE VERIFIED IN FIELD PRIOR TO FABRICATION

GLAZING TYPES

BRG	CLEAR INSULATED BULLET RESISTANT GLASS
CG	CLEAR GLASS
CT	CLEAR TEMPERED GLASS
CIG	CLEAR INSULATED GLASS
CIT	CLEAR INSULATED TEMPERED GLASS
LIG	LAMINATED INSULATED GLASS
SP	SPANDREL GLASS



M1



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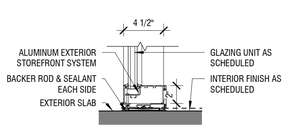
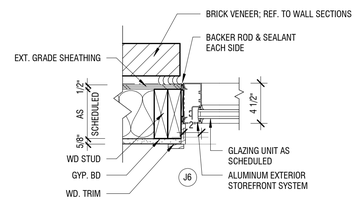
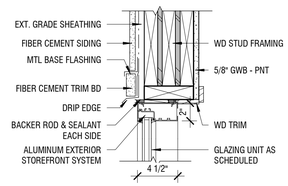


S6



J6



H5 9 / A4.40 FOR MORE INFORMATION

WINDOW DETAILS

1 1/2" = 1'-0"

5/12/2025 12:48:46 PM COPYRIGHT ALLOY5 ARCHITECTURE

PROJECT:

ADMINISTRATION AND POLICE DEPARTMENT BUILDING

2290 GILBERTSVILLE ROAD
POTTSTOWN, PA 19464

OWNER:

UPPER POTTSGROVE TOWNSHIP

1409 FARMINGTON AVENUE
POTTSTOWN, PA 19464

PROJECT TEAM:

ARCHITECT:
ALLOY5
ARCHITECTURE

CIVIL:
CHESTER VALLEY ENGINEERS, INC.
112 MOORES ROAD
SUITE 200
MALVERN, PA 19355
610-644-4623

STRUCTURAL:
SLATE STRUCTURAL ENGINEERS
40 SOUTH MAIN STREET
NAZARETH, PA 18064
610-365-7634

MEPF:
PROJECTX DESIGN GROUP
2433 BLUEJAY DRIVE
NAZARETH, PA 18064
610-365-2436

SUBMISSIONS:

NO.	ISSUE DESCRIPTION	DATE
	BID DOCUMENTS	03/31/25
1	ADDENDUM #01	04/14/25
	PERMIT SET	06/20/25

KEY PLAN:

REGISTRATION:

ALLOY5
ARCHITECTURE
530 WEST BROAD ST BETHLEHEM, PA 18018
610.419.4055

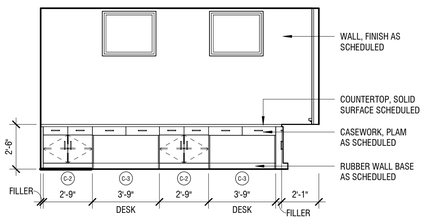
REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA DAVID GALIOTTO JR. PA. 70000

SHEET TITLE:

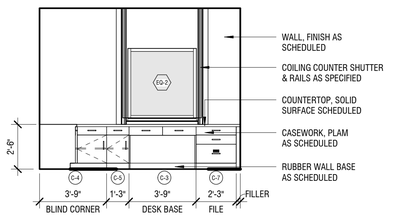
WINDOW TYPES AND DETAILS

DATE: 03/31/2025
SCALE: As indicated
DRAWN BY: Author
CHECKED BY: Checker
PROJ NO: 22-0058

A6.20



1 **001 POLICE RECEPTION - EAST**
1/4" = 1'-0"



2 **001 POLICE RECEPTION - SOUTH**
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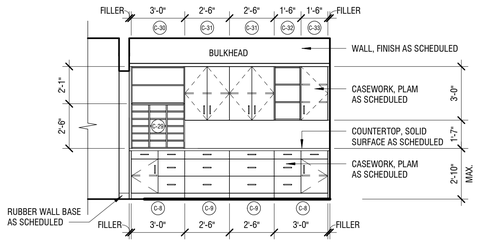
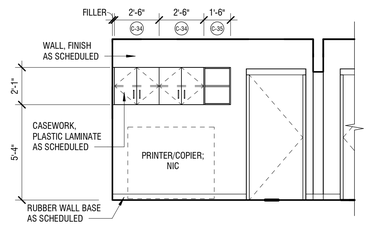
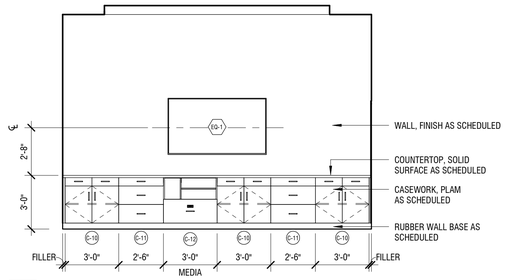


3 **001A WORKROOM - NORTH**
1/4" = 1'-0"



4 **001A WORKROOM - SOUTH**
1/4" = 1'-0"



5 **009 TRAINING**
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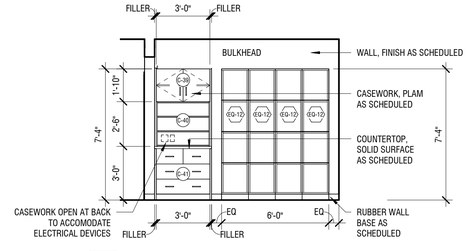
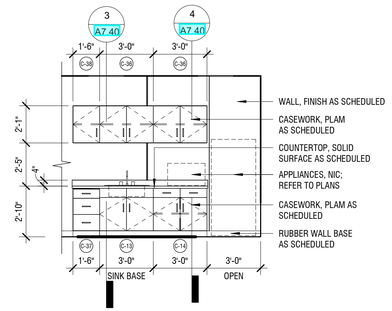
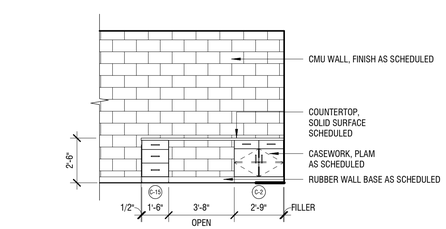


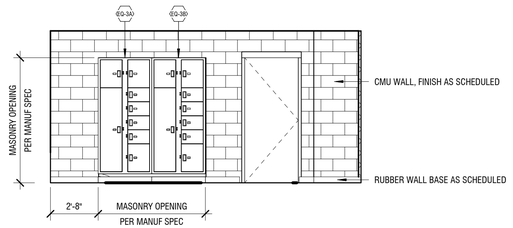
6 **012 CORRIDOR**
1/4" = 1'-0"



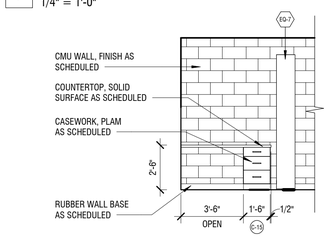
7 **015 BREAK ROOM**
1/4" = 1'-0"



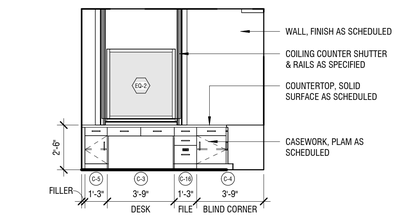
8 **024 EVIDENCE LOG-IN & PROCESSING - EAST**
1/4" = 1'-0"



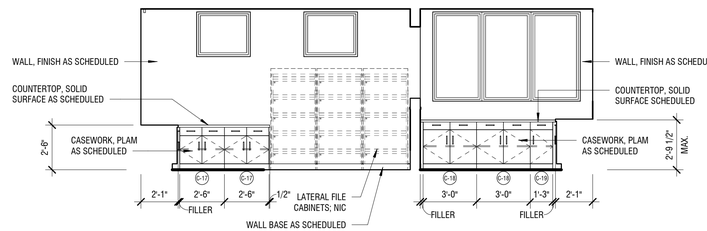
9 **024 EVIDENCE LOG-IN & PROCESSING - WEST**
1/4" = 1'-0"



10 **025 EVIDENCE STORAGE**
1/4" = 1'-0"



11 **100 ADMIN RECEPTION - NORTH**
1/4" = 1'-0"



12 **100 ADMIN RECEPTION & 101 ADMIN WORKROOM - EAST**
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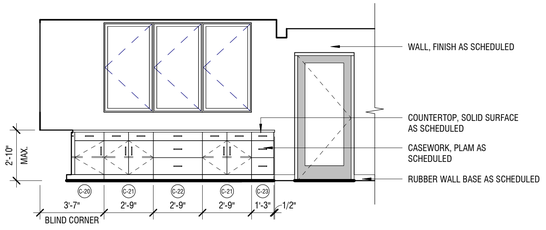
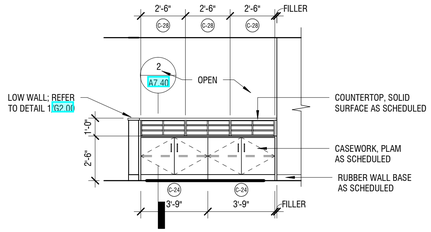
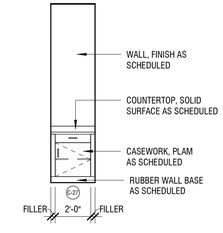


13 **101 ADMIN WORKROOM SOUTH**
1/4" = 1'-0"



14 **100 ADMIN RECEPTION WEST**
1/4" = 1'-0"



15 **115 BOARD CONFERENCE ROOM - NORTH/SOUTH**
1/4" = 1'-0"

EQUIPMENT SCHEDULE

NO.	NAME	MANUFACTURER; MODEL; INFO	NOTES
EQ-1	75" TV & TILT TV WALL MOUNT	SAMSUNG; UN75TU7000FXZA; OR APPROVED EQUAL AND SANUS BLT3-B1; OR APPROVED EQUAL	OFCI
EQ-2	PASS-THROUGH RECEPTION WINDOW	REFER TO SPECIFICATION 085653 SECURITY WINDOWS.	IN CONTRACT
EQ-3	EVIDENCE PASS-THROUGH LOCKER	EQ-3B UNIT TO BE REFRIGERATED. REFER TO SPECIFICATION 105113 METAL LOCKERS.	IN CONTRACT
EQ-4	EVIDENCE REFRIGERATOR	REFER TO SPECIFICATION 105113 METAL LOCKERS.	IN CONTRACT
EQ-5	EVIDENCE STORAGE LOCKER TYPE 1	REFER TO SPECIFICATION 105113 METAL LOCKERS.	IN CONTRACT
EQ-6	EVIDENCE STORAGE LOCKER TYPE 2	REFER TO SPECIFICATION 105113 METAL LOCKERS.	IN CONTRACT
EQ-7	HIGH-DENSITY MOBILE STORAGE SYSTEM	REFER TO SPECIFICATION 105626.13 MOBILE STORAGE SHELVING UNITS.	IN CONTRACT
EQ-8	ARMORY STORAGE LOCKER TYPE 1	REFER TO SPECIFICATION 105113 METAL LOCKERS.	IN CONTRACT
EQ-9	ARMORY STORAGE LOCKER TYPE 2	REFER TO SPECIFICATION 105113 METAL LOCKERS.	IN CONTRACT
EQ-10	PROCESSING GUN LOCKER	REFER TO SPECIFICATION 105113 METAL LOCKERS. EQ-10A RECESSED FLUSH MOUNT. EQ-10B SURFACE MOUNT.	IN CONTRACT
EQ-11	ARMORY WORKBENCH	REFER TO SPECIFICATION SECTION 111100.	IN CONTRACT
EQ-12	GO-BAG STORAGE SHELVING	REFER TO SPECIFICATION 105113 METAL LOCKERS.	IN CONTRACT
EQ-13	43" TV & FIXED TV WALL MOUNT	SAMSUNG; QN43Q60CAF; OR APPROVED EQUAL AND SANUS PREMIUM SERIES FIXED-POSITION WALL MOUNT; VML5; OR APPROVED EQUAL	OFCI
EQ-14	GEAR LOCKER w/ INTEGRAL BENCH	REFER TO SPECIFICATION 105113 METAL LOCKERS.	IN CONTRACT
EQ-15	GEAR LOCKER - ADA	REFER TO SPECIFICATION 105113 METAL LOCKERS.	IN CONTRACT
EQ-15A	GEAR LOCKER - DOUBLE DOOR	REFER TO SPECIFICATION 105113 METAL LOCKERS.	IN CONCTRACT
EQ-16	RESIDENTIAL MICROWAVE	COUNTERTOP MODEL	NIC
EQ-17	RESIDENTIAL REFRIGERATOR	30-INCH WIDE MODEL, FACTORY INSTALLED ICE MAKER IN FREEZER	NIC
EQ-18	INTERVIEW TABLE	REFER TO SPECIFICATION 125500 DETENTION FURNITURE.	IN CONTRACT
EQ-19	PROCESSING BENCH	REFER TO SPECIFICATION 125500 DETENTION FURNITURE.	IN CONTRACT
EQ-20	OBSERVATION WINDOW	REFER TO SPECIFICATION 085653 SECURITY WINDOWS.	IN CONTRACT
EQ-21	CLOSET SHELVING	REFER TO SPECIFICATION 105723 CLOSET AND UTILITY SHELVING.	IN CONTRACT

○ CASEWORK SCHEDULE

TYPE NO.	DESCRIPTION	HEIGHT	WIDTH	DEPTH	BASIS OF DESIGN	CAT NO.	ADDITIONAL INFORMATION
C-1	Base Casework	2'-9"	1'-3"	2'-0"	Stevens Industries	10120	LOCKABLE
C-2	Base Casework	2'-5"	2'-9"	2'-0"	Stevens Industries	10441	
C-3	Base Casework	2'-5"	3'-9"	2'-0"	Stevens Industries	10673	
C-4	Base Casework	2'-5"	3'-6"	2'-0"	Stevens Industries	10206	
C-5	Base Casework	2'-5"	1'-3"	2'-0"	Stevens Industries	10421	
C-7	Base Casework	2'-5"	2'-3"	2'-0"	Stevens Industries	10314	
C-8	Base Casework	2'-9"	3'-0"	2'-0"	Stevens Industries	10356	
C-9	Base Casework	2'-9"	2'-6"	2'-0"	Stevens Industries	10339	
C-10	Base Casework	2'-11"	3'-0"	2'-0"	Stevens Industries	10432	
C-11	Base Casework	2'-11"	2'-6"	2'-0"	Stevens Industries	10339	
C-12	Base Casework	2'-11"	3'-0"	2'-0"	Stevens Industries	10724	
C-13	Sink Base Casework	2'-8 1/2"	3'-0"	2'-0"	Stevens Industries	10678	
C-14	Base Casework	2'-8 1/2"	3'-0"	2'-0"	Stevens Industries	10441	
C-15	Base Casework	2'-4 1/2"	1'-6"	2'-0"	Stevens Industries	10339	
C-16	Base Casework	2'-5"	1'-3"	2'-0"	Stevens Industries	10329	
C-17	Base Casework	2'-5"	2'-6"	2'-0"	Stevens Industries	10432	
C-18	Base Casework	2'-9"	3'-0"	1'-9"	Stevens Industries	10432	
C-19	Base Casework	2'-9"	1'-3"	1'-9"	Stevens Industries	10421	
C-20	Base Casework	2'-9"	3'-6"	2'-0"	Stevens Industries	10206	
C-21	Base Casework	2'-9"	2'-9"	2'-0"	Stevens Industries	10432	
C-22	Base Casework	2'-9"	2'-9"	2'-0"	Stevens Industries	10339	
C-23	Base Casework	2'-9"	1'-3"	2'-0"	Stevens Industries	10339	
C-24	Base Casework	2'-5"	3'-9"	1'-0"	Stevens Industries	10129	
C-25	Base Casework	3'-4 1/2"	2'-0"	1'-6"	Stevens Industries	10120	LOCKABLE
C-26	Base Casework	2'-7 1/2"	4'-7 1/4"	1'-6"	Stevens Industries	10579	
C-27	Base Casework	2'-9"	2'-0"	1'-6"	Stevens Industries	10421	LOCKABLE
C-28	Wall Casework	0'-11"	2'-6"	1'-0"	Stevens Industries	15253	CUSTOM SIZE
C-29	Wall Casework	2'-6"	3'-0"	1'-6"	Stevens Industries	15254	
C-30	Wall Casework	2'-1"	3'-0"	1'-6"	Stevens Industries	15101	
C-31	Wall Casework	3'-0"	2'-6"	1'-6"	Stevens Industries	15129	
C-32	Wall Casework	3'-0"	1'-6"	1'-6"	Stevens Industries	15101	
C-33	Wall Casework	3'-0"	1'-6"	1'-6"	Stevens Industries	15120	
C-34	Wall Casework	2'-1"	2'-6"	1'-2"	Stevens Industries	15129	
C-35	Wall Casework	2'-1"	1'-6"	1'-2"	Stevens Industries	15101	
C-36	Wall Casework	2'-1"	3'-0"	1'-2"	Stevens Industries	15129	
C-37	Base Casework	2'-8"	1'-6"	2'-0"	Stevens Industries	10339	
C-38	Wall Casework	2'-1"	1'-6"	1'-2"	Stevens Industries	15121	
C-39	Wall Casework	1'-10"	3'-0"	1'-2"	Stevens Industries	15129	CUSTOM SIZE
C-40	Wall Casework	2'-6"	3'-0"	1'-6"	Stevens Industries	15101	
C-41	Base Casework	2'-11"	3'-0"	1'-9"	Stevens Industries	10343	
C-42	Base Casework	2'-8 1/2"	1'-6"	1'-10"	Stevens Industries	10339	

GENERAL NOTES - INTERIOR ELEVATIONS

1. REFER TO SHEET A1.80 - FINISH PLAN FOR INTERIOR FINISH SELECTIONS.
2. REFERENCE SHEET G1.00 FOR ANSI 117.1-2009 REQUIRED ADA CLEARANCES.
3. PC TO COORDINATE W/ GC FOR ALL PLUMBING FIXTURE LOCATIONS.
4. FURNITURE AND SPECIALTY EQUIPMENT SHOWN IS TO BE PROVIDED AND INSTALLED BY OWNER UNLESS NOTED OTHERWISE. REFER TO A1.81 FOR FURNITURE AND EQUIPMENT PLAN.

3/21/2025 1:59:56 PM ©COPYRIGHT ALLOY5 ARCHITECTURE

PROJECT:
ADMINISTRATION AND POLICE DEPARTMENT BUILDING
2290 GILBERTSVILLE ROAD
POTTSTOWN, PA 19464

OWNER:
UPPER POTTSGROVE TOWNSHIP
1409 FARMINGTON AVENUE
POTTSTOWN, PA 19464

PROJECT TEAM:

ARCHITECT:
ALLOY5 ARCHITECTURE

CIVIL:
CHESTER VALLEY ENGINEERS, INC.
112 MOORES ROAD
SUITE 200
MALVERN, PA 19355
610-644-4623

STRUCTURAL:
SLATE STRUCTURAL ENGINEERS
40 SOUTH MAIN STREET
NAZARETH, PA 18064
610-365-7634

MEPF:
PROJECTX DESIGN GROUP
2433 BLUEJAY DRIVE
NAZARETH, PA 18064
610-365-2436

SUBMISSIONS:

NO.	ISSUE DESCRIPTION	DATE
	BID DOCUMENTS	03/31/25
	PERMIT SET	06/20/25

KEY PLAN:

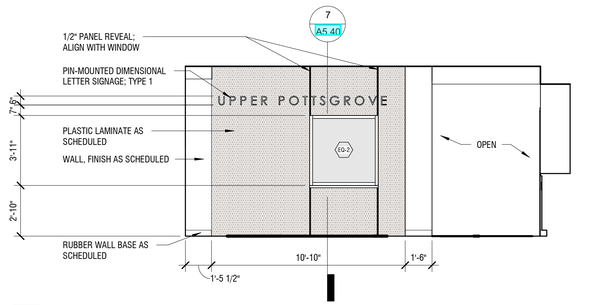
REGISTRATION:
ALLOY5 ARCHITECTURE
530 WEST BROAD ST BETHLEHEM, PA 18018
610.419.4055

REGISTERED ARCHITECT
COMMONWEALTH OF PENNSYLVANIA
DANIEL GALIOTTO JR. RA
DANIEL GALIOTTO JR. RA 70 PENNSYLVANIA

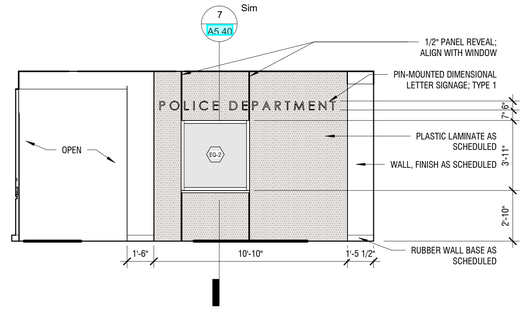
SHEET TITLE:
INTERIOR ELEVATIONS

DATE: 03/31/2025
SCALE: 1/4" = 1'-0"
DRAWN BY: Author
CHECKED BY: Checker
PROJ NO: 22-0058

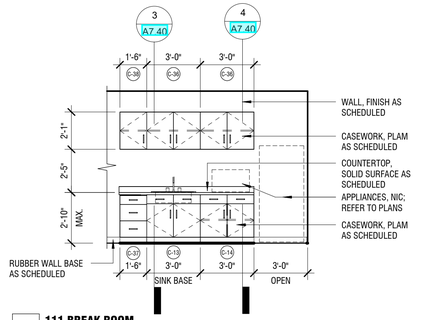
A7.00



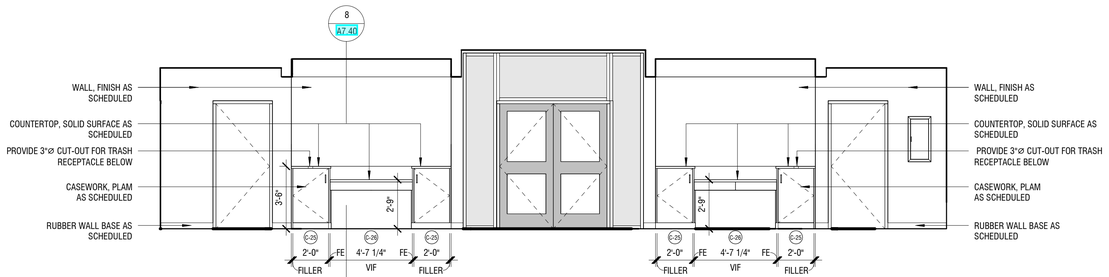
2 **114 LOBBY - SOUTH**
1/4" = 1'-0"



4 **114 LOBBY - NORTH**
1/4" = 1'-0"



1 **111 BREAK ROOM**
1/4" = 1'-0"



3 **114 LOBBY - WEST**
1/4" = 1'-0"

EQUIPMENT SCHEDULE

NO.	NAME	MANUFACTURER; MODEL; INFO	NOTES
EQ-1	75" TV & TILT TV WALL MOUNT	SAMSUNG; UN75TU7000FXZA; OR APPROVED EQUAL AND SANUS BLT3-B1; OR APPROVED EQUAL	OFCI
EQ-2	PASS-THROUGH RECEPTION WINDOW	REFER TO SPECIFICATION 085653 SECURITY WINDOWS.	IN CONTRACT
EQ-3	EVIDENCE PASS-THROUGH LOCKER	EQ-3B UNIT TO BE REFRIGERATED. REFER TO SPECIFICATION 105113 METAL LOCKERS.	IN CONTRACT
EQ-4	EVIDENCE REFRIGERATOR	REFER TO SPECIFICATION 105113 METAL LOCKERS.	IN CONTRACT
EQ-5	EVIDENCE STORAGE LOCKER TYPE 1	REFER TO SPECIFICATION 105113 METAL LOCKERS.	IN CONTRACT
EQ-6	EVIDENCE STORAGE LOCKER TYPE 2	REFER TO SPECIFICATION 105113 METAL LOCKERS.	IN CONTRACT
EQ-7	HIGH-DENSITY MOBILE STORAGE SYSTEM	REFER TO SPECIFICATION 105626.13 MOBILE STORAGE SHELVING UNITS.	IN CONTRACT
EQ-8	ARMORY STORAGE LOCKER TYPE 1	REFER TO SPECIFICATION 105113 METAL LOCKERS.	IN CONTRACT
EQ-9	ARMORY STORAGE LOCKER TYPE 2	REFER TO SPECIFICATION 105113 METAL LOCKERS.	IN CONTRACT
EQ-10	PROCESSING GUN LOCKER	REFER TO SPECIFICATION 105113 METAL LOCKERS. EQ-10A RECESSED FLUSH MOUNT. EQ-10B SURFACE MOUNT.	IN CONTRACT
EQ-11	ARMORY WORKBENCH	REFER TO SPECIFICATION SECTION 111100.	IN CONTRACT
EQ-12	GO-BAG STORAGE SHELVING	REFER TO SPECIFICATION 105113 METAL LOCKERS.	IN CONTRACT
EQ-13	43" TV & FIXED TV WALL MOUNT	SAMSUNG; QN43Q60CAF; OR APPROVED EQUAL AND SANUS PREMIUM SERIES FIXED-POSITION WALL MOUNT; VML5; OR APPROVED EQUAL	OFCI
EQ-14	GEAR LOCKER w/ INTEGRAL BENCH	REFER TO SPECIFICATION 105113 METAL LOCKERS.	IN CONTRACT
EQ-15	GEAR LOCKER - ADA	REFER TO SPECIFICATION 105113 METAL LOCKERS.	IN CONTRACT
EQ-15A	GEAR LOCKER - DOUBLE DOOR	REFER TO SPECIFICATION 105113 METAL LOCKERS.	IN CONCTRACT
EQ-16	RESIDENTIAL MICROWAVE	COUNTERTOP MODEL	NIC
EQ-17	RESIDENTIAL REFRIGERATOR	30-INCH WIDE MODEL, FACTORY INSTALLED ICE MAKER IN FREEZER	NIC
EQ-18	INTERVIEW TABLE	REFER TO SPECIFICATION 125500 DETENTION FURNITURE.	IN CONTRACT
EQ-19	PROCESSING BENCH	REFER TO SPECIFICATION 125500 DETENTION FURNITURE.	IN CONTRACT
EQ-20	OBSERVATION WINDOW	REFER TO SPECIFICATION 085653 SECURITY WINDOWS.	IN CONTRACT
EQ-21	CLOSET SHELVING	REFER TO SPECIFICATION 105723 CLOSET AND UTILITY SHELVING.	IN CONTRACT

○ CASEWORK SCHEDULE

TYPE NO.	DESCRIPTION	HEIGHT	WIDTH	DEPTH	BASIS OF DESIGN	CAT NO.	ADDITIONAL INFORMATION
C-1	Base Casework	2'-9"	1'-3"	2'-0"	Stevens Industries	10120	LOCKABLE
C-2	Base Casework	2'-5"	2'-9"	2'-0"	Stevens Industries	10441	
C-3	Base Casework	2'-5"	3'-9"	2'-0"	Stevens Industries	10673	
C-4	Base Casework	2'-5"	3'-6"	2'-0"	Stevens Industries	10206	
C-5	Base Casework	2'-5"	1'-3"	2'-0"	Stevens Industries	10421	
C-7	Base Casework	2'-5"	2'-3"	2'-0"	Stevens Industries	10314	
C-8	Base Casework	2'-9"	3'-0"	2'-0"	Stevens Industries	10356	
C-9	Base Casework	2'-9"	2'-6"	2'-0"	Stevens Industries	10339	
C-10	Base Casework	2'-11"	3'-0"	2'-0"	Stevens Industries	10432	
C-11	Base Casework	2'-11"	2'-6"	2'-0"	Stevens Industries	10339	
C-12	Base Casework	2'-11"	3'-0"	2'-0"	Stevens Industries	10724	
C-13	Sink Base Casework	2'-8 1/2"	3'-0"	2'-0"	Stevens Industries	10678	
C-14	Base Casework	2'-8 1/2"	3'-0"	2'-0"	Stevens Industries	10441	
C-15	Base Casework	2'-4 1/2"	1'-6"	2'-0"	Stevens Industries	10339	
C-16	Base Casework	2'-5"	1'-3"	2'-0"	Stevens Industries	10329	
C-17	Base Casework	2'-5"	2'-6"	2'-0"	Stevens Industries	10432	
C-18	Base Casework	2'-9"	3'-0"	1'-9"	Stevens Industries	10432	
C-19	Base Casework	2'-9"	1'-3"	1'-9"	Stevens Industries	10421	
C-20	Base Casework	2'-9"	3'-6"	2'-0"	Stevens Industries	10206	
C-21	Base Casework	2'-9"	2'-9"	2'-0"	Stevens Industries	10432	
C-22	Base Casework	2'-9"	2'-9"	2'-0"	Stevens Industries	10339	
C-23	Base Casework	2'-9"	1'-3"	2'-0"	Stevens Industries	10339	
C-24	Base Casework	2'-5"	3'-9"	1'-0"	Stevens Industries	10129	
C-25	Base Casework	3'-4 1/2"	2'-0"	1'-6"	Stevens Industries	10120	LOCKABLE
C-26	Base Casework	2'-7 1/2"	4'-7 1/4"	1'-6"	Stevens Industries	10579	
C-27	Base Casework	2'-9"	2'-0"	1'-6"	Stevens Industries	10421	LOCKABLE
C-28	Wall Casework	0'-11"	2'-6"	1'-0"	Stevens Industries	15253	CUSTOM SIZE
C-29	Wall Casework	2'-6"	3'-0"	1'-6"	Stevens Industries	15254	
C-30	Wall Casework	2'-1"	3'-0"	1'-6"	Stevens Industries	15101	
C-31	Wall Casework	3'-0"	2'-6"	1'-6"	Stevens Industries	15129	
C-32	Wall Casework	3'-0"	1'-6"	1'-6"	Stevens Industries	15101	
C-33	Wall Casework	3'-0"	1'-6"	1'-6"	Stevens Industries	15120	
C-34	Wall Casework	2'-1"	2'-6"	1'-2"	Stevens Industries	15129	
C-35	Wall Casework	2'-1"	1'-6"	1'-2"	Stevens Industries	15101	
C-36	Wall Casework	2'-1"	3'-0"	1'-2"	Stevens Industries	15129	
C-37	Base Casework	2'-8"	1'-6"	2'-0"	Stevens Industries	10339	
C-38	Wall Casework	2'-1"	1'-6"	1'-2"	Stevens Industries	15121	
C-39	Wall Casework	1'-10"	3'-0"	1'-2"	Stevens Industries	15129	CUSTOM SIZE
C-40	Wall Casework	2'-6"	3'-0"	1'-6"	Stevens Industries	15101	
C-41	Base Casework	2'-11"	3'-0"	1'-9"	Stevens Industries	10343	
C-42	Base Casework	2'-8 1/2"	1'-6"	1'-10"	Stevens Industries	10339	

GENERAL NOTES - INTERIOR ELEVATIONS

1. REFER TO SHEET A1.80 - FINISH PLAN FOR INTERIOR FINISH SELECTIONS.
2. REFERENCE SHEET G1.50 FOR ANSI 117.1-2009 REQUIRED ADA CLEARANCES.
3. PC TO COORDINATE W/ GC FOR ALL PLUMBING FIXTURE LOCATIONS.
4. FURNITURE AND SPECIALTY EQUIPMENT SHOWN IS TO BE PROVIDED AND INSTALLED BY OWNER UNLESS NOTED OTHERWISE. REFER TO A1.81 FOR FURNITURE AND EQUIPMENT PLAN.

3/21/2025 1:59:59 PM ©COPYRIGHT ALLOY5 ARCHITECTURE

PROJECT:

ADMINISTRATION AND POLICE DEPARTMENT BUILDING

2290 GILBERTSVILLE ROAD
POTTSTOWN, PA 19464

OWNER:

UPPER POTTSGROVE TOWNSHIP

1409 FARMINGTON AVENUE
POTTSTOWN, PA 19464

PROJECT TEAM:

ARCHITECT:
ALLOY5
ARCHITECTURE

CIVIL:
CHESTER VALLEY ENGINEERS, INC.
112 MOORES ROAD
SUITE 200
MALVERN, PA 19355
610-644-4623

STRUCTURAL:
SLATE STRUCTURAL ENGINEERS
40 SOUTH MAIN STREET
NAZARETH, PA 18064
610-365-7634

MEPF:
PROJECTX DESIGN GROUP
2433 BLUEJAY DRIVE
NAZARETH, PA 18064
610-365-2436

SUBMISSIONS:

NO.	ISSUE DESCRIPTION	DATE
	BID DOCUMENTS	03/31/25
	PERMIT SET	06/20/25

KEY PLAN:

REGISTRATION:

ALLOY5
ARCHITECTURE
530 WEST BROAD ST BETHLEHEM, PA 18018
610.419.4055

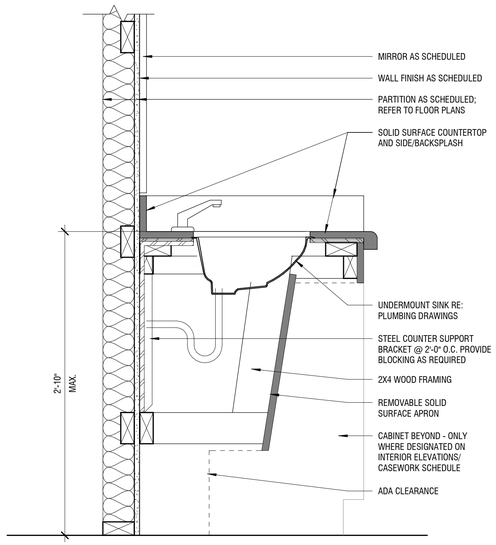
REGISTERED ARCHITECT
COMMONWEALTH OF PENNSYLVANIA
DAVID GALIOTTO JR.
RA-AE-036611-E
NCARB

SHEET TITLE:

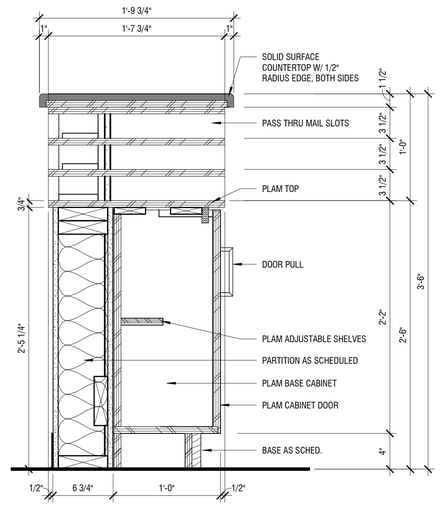
INTERIOR ELEVATIONS

DATE: 03/31/2025
SCALE: 1/4" = 1'-0"
DRAWN BY: Author
CHECKED BY: Checker
PROJ NO: 22-0058

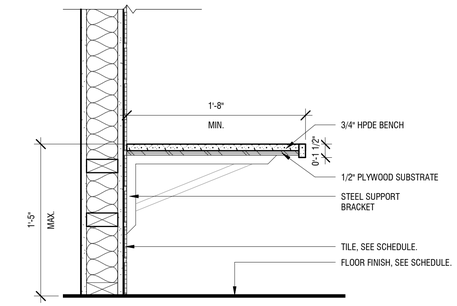
A7.01



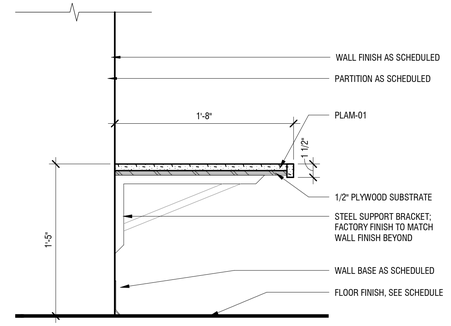
1 **DETAIL - TYPICAL VANITY**
1 1/2" = 1'-0"



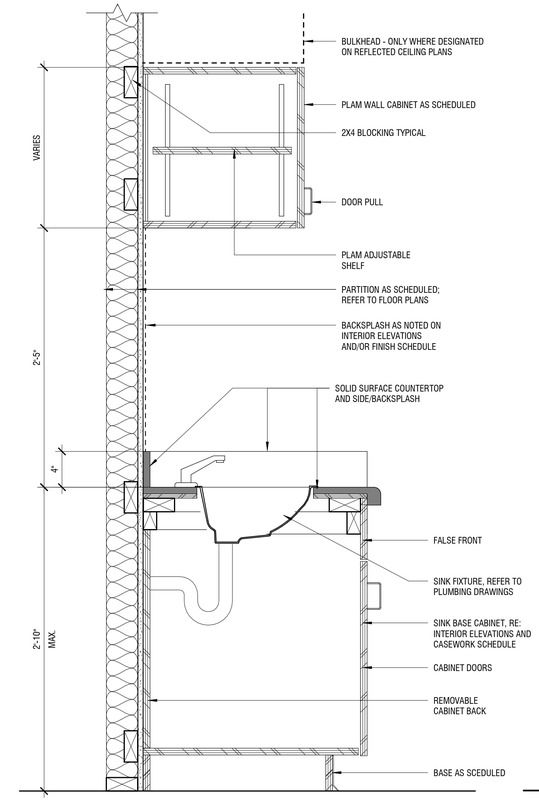
2 **100 ADMIN RECEPTION WEST**
1 1/2" = 1'-0"



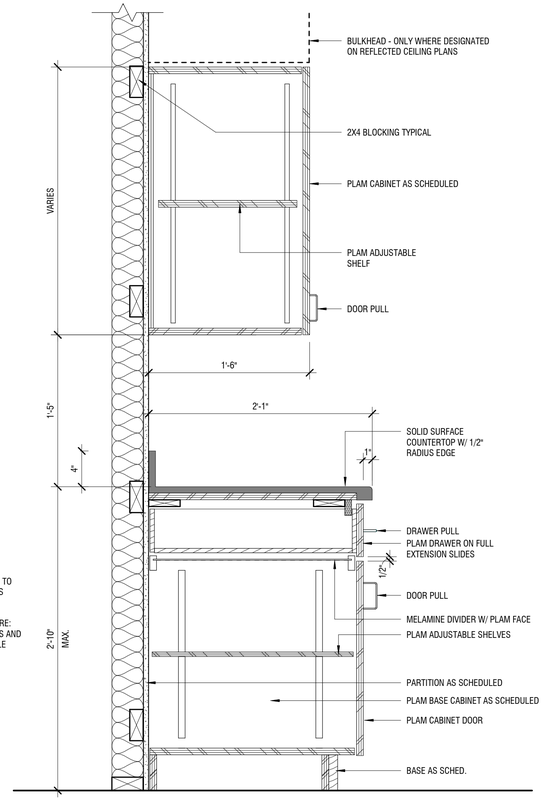
5 **DETAIL - TYP. LOCKER ROOM/SHOWER BENCH**
1 1/2" = 1'-0"



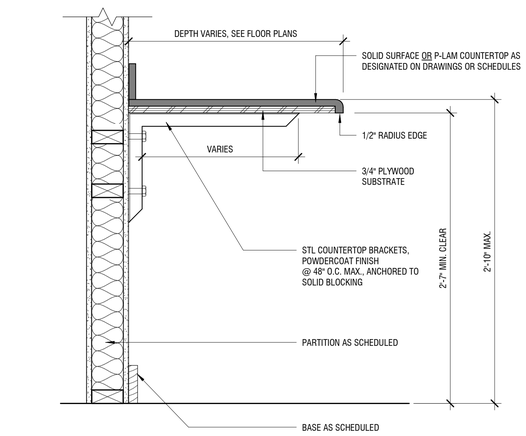
6 **DETAIL - TYP. BENCH**
1 1/2" = 1'-0"



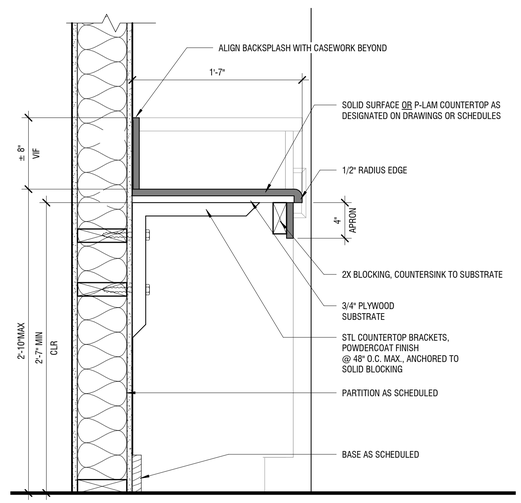
3 **DETAIL - BASE & WALL CABINET AT SINK**
1 1/2" = 1'-0"



4 **DETAIL - TYPICAL BASE & WALL CABINET**
1 1/2" = 1'-0"



7 **TYPICAL COUNTERTOP**
1 1/2" = 1'-0"



8 **DETAIL - 114 LOBBY - WEST**
1 1/2" = 1'-0"

3/21/2025 2:00:01 PM ©COPYRIGHT ALLOY5 ARCHITECTURE

PROJECT:

ADMINISTRATION AND POLICE DEPARTMENT BUILDING

2290 GILBERTSVILLE ROAD
POTTSTOWN, PA 19464

OWNER:

UPPER POTTSGROVE TOWNSHIP

1409 FARMINGTON AVENUE
POTTSTOWN, PA 19464

PROJECT TEAM:

ARCHITECT:
ALLOY5
ARCHITECTURE

CIVIL:
CHESTER VALLEY
ENGINEERS, INC.
112 MOORES ROAD
SUITE 200
MALVERN, PA 19355
610-644-4623

STRUCTURAL:
SLATE STRUCTURAL ENGINEERS
40 SOUTH MAIN STREET
NAZARETH, PA 18064
610-365-7634

MEPF:
PROJECTX DESIGN GROUP
2433 BLUEJAY DRIVE
NAZARETH, PA 18064
610-365-2436

SUBMISSIONS:

NO.	ISSUE DESCRIPTION	DATE
	BID DOCUMENTS	03/31/25
	PERMIT SET	06/20/25

KEY PLAN:

REGISTRATION:

ALLOY5
ARCHITECTURE
530 WEST BROAD ST BETHLEHEM, PA 18018
610.419.4055

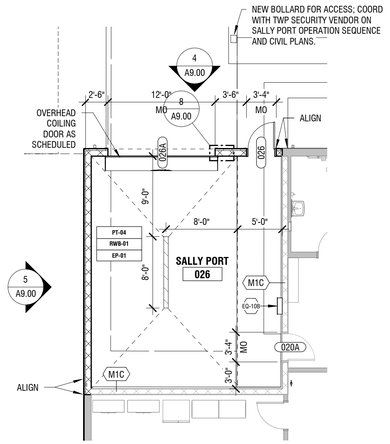
REGISTERED ARCHITECT
COMMONWEALTH OF PENNSYLVANIA
ELLIOTT
ANTHONY
GAO

SHEET TITLE:

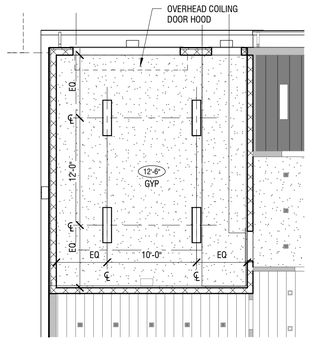
MILLWORK SECTIONS & DETAILS

DATE: 03/31/2025
SCALE: 1 1/2" = 1'-0"
DRAWN BY: Author
CHECKED BY: Checker
PROJ NO: 22-0058

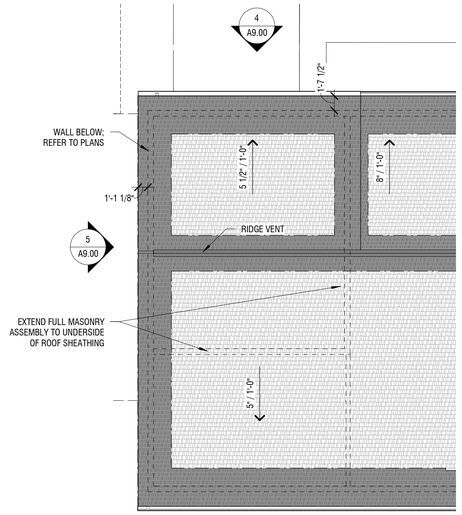
A7.40



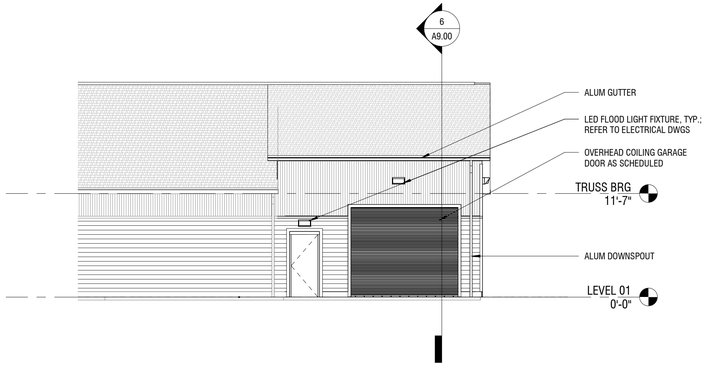
1 **FLOOR PLAN - BID ALT - SALLY PORT**
1/8" = 1'-0"



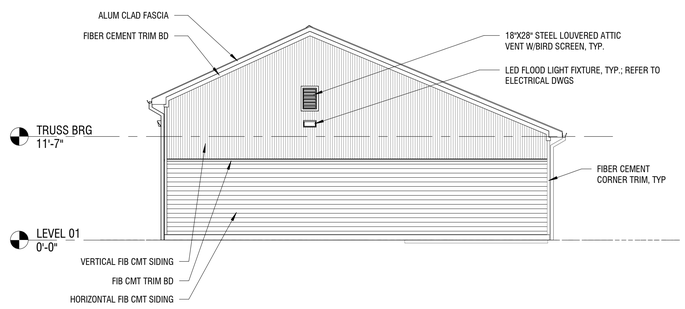
2 **RCP - BID ALT - SALLY PORT**
1/8" = 1'-0"



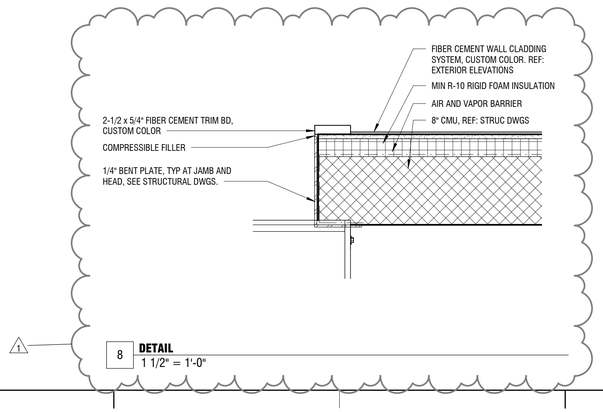
3 **TRUSS BRG - BID ALT - SALLY PORT**
1/8" = 1'-0"



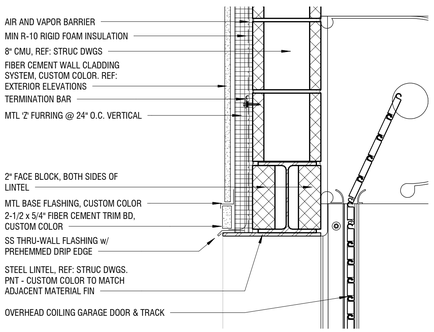
4 **PARTIAL EXTERIOR ELEVATION - WEST - BID ALT - SALLY PORT**
1/8" = 1'-0"



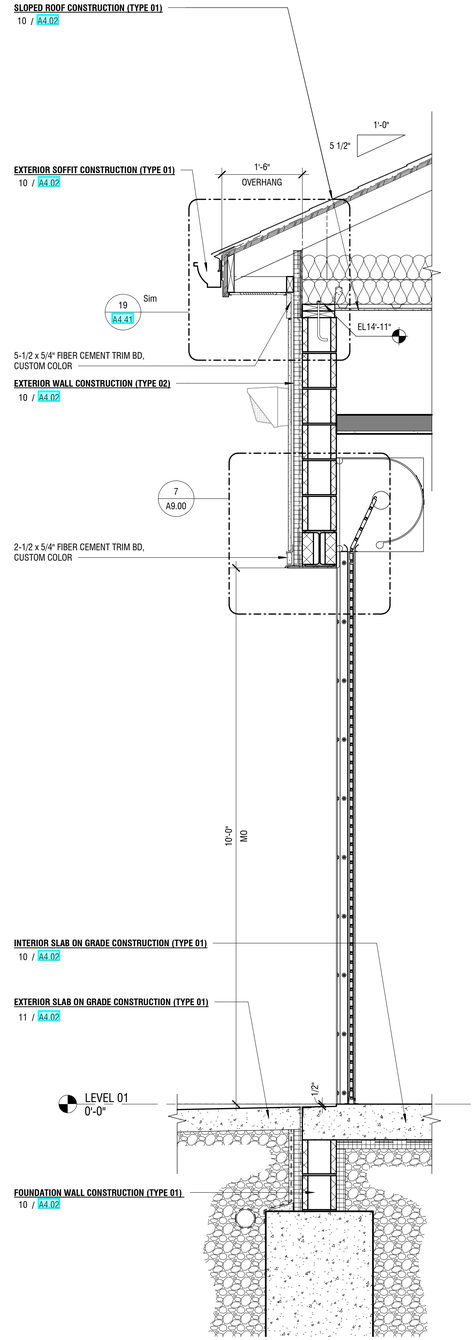
5 **PARTIAL EXTERIOR ELEVATION - SOUTH - BID ALT - SALLY PORT**
1/8" = 1'-0"



8 **DETAIL**
1 1/2" = 1'-0"



7 **DETAIL**
1 1/2" = 1'-0"



6 **WALL SECTION - BID ALT - SALLY PORT**
3/4" = 1'-0"

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PROJECT:

ADMINISTRATION AND POLICE DEPARTMENT BUILDING

2290 GILBERTSVILLE ROAD
POTTSTOWN, PA 19464

OWNER:

UPPER POTTSGROVE TOWNSHIP

1409 FARMINGTON AVENUE
POTTSTOWN, PA 19464

PROJECT TEAM:

ARCHITECT:
ALLOY5
ARCHITECTURE

CIVIL:
CHESTER VALLEY
ENGINEERS, INC.
112 MOORES ROAD
SUITE 200
MALVERN, PA 19355
610-644-4623

STRUCTURAL:
SLATE STRUCTURAL ENGINEERS
40 SOUTH MAIN STREET
NAZARETH, PA 18064
610-365-7634

MEPF:
PROJECTX DESIGN GROUP
2433 BLUEJAY DRIVE
NAZARETH, PA 18064
610-365-2436

SUBMISSIONS:

NO.	ISSUE DESCRIPTION	DATE
	BID DOCUMENTS	03/31/25
1	ADDENDUM #01	04/14/25
	PERMIT SET	06/20/25

KEY PLAN:

REGISTRATION:

ALLOY5
ARCHITECTURE
530 WEST BROAD ST BETHLEHEM, PA 18018
610.419.4055

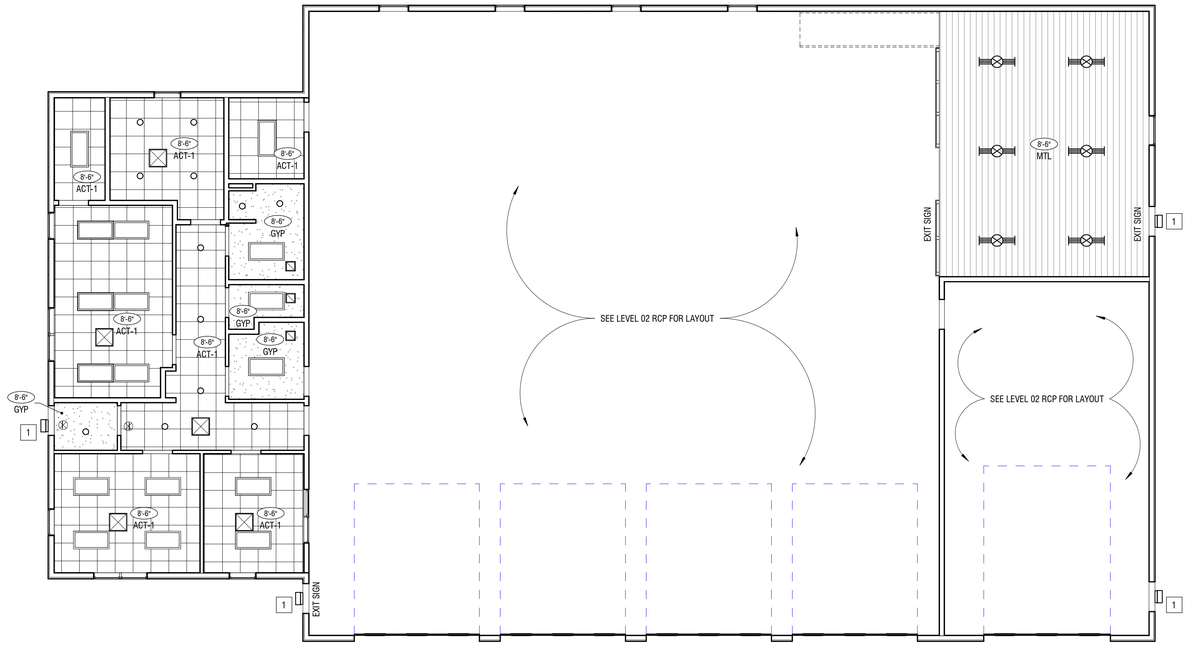
REGISTERED ARCHITECT
COMMONWEALTH OF PENNSYLVANIA
DAVID GALIOTTO JR.

SHEET TITLE:

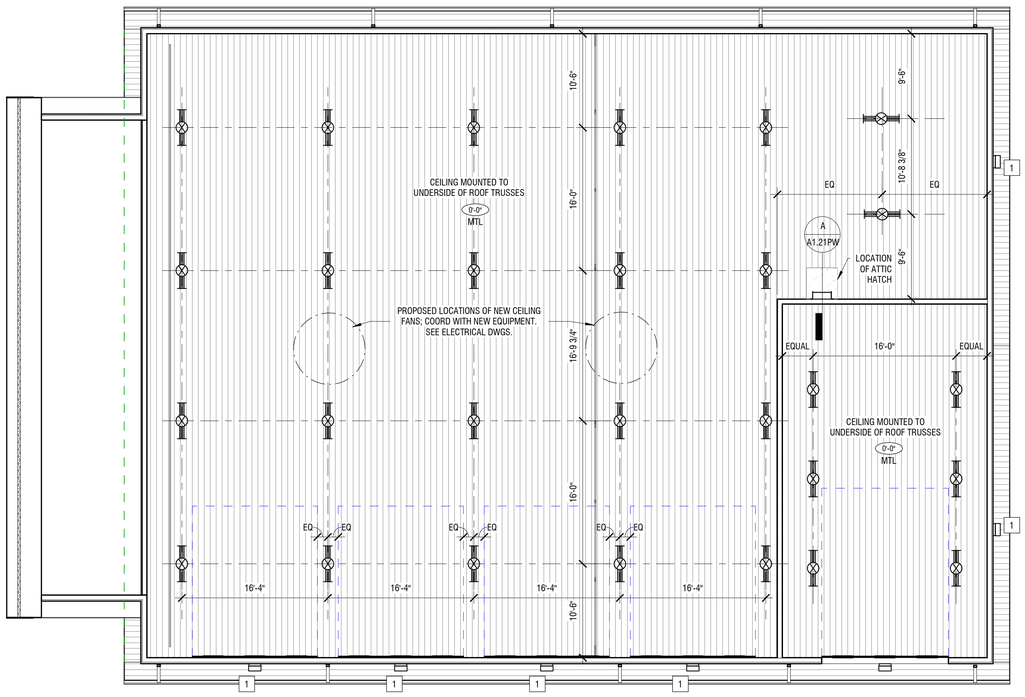
BID ALTERNATE - SALLY PORT

DATE: 03/31/2025
SCALE: As indicated
DRAWN BY: Author
CHECKED BY: Checker
PROJ NO: 22-0058

A9.00



1 **REFLECTED CEILING PLAN**
1/8" = 1'-0"



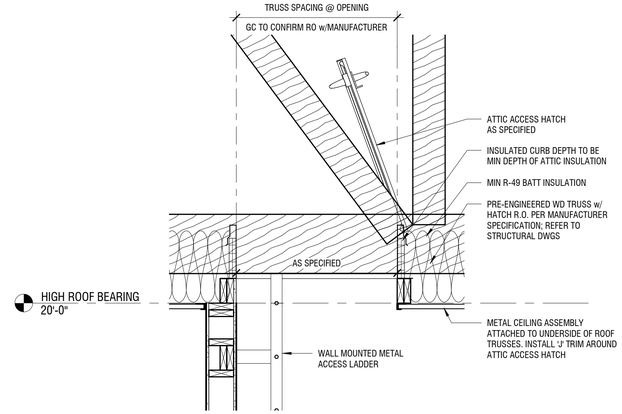
2 **Level 02-REFLECTED CEILING PLAN**
1/8" = 1'-0"

KEYED CEILING NOTES

NO.	NOTE
1	WALL MOUNTED LIGHT FIXTURE. SEE MEP DRAWINGS AND EXTERIOR ELEVATIONS.

CEILING LEGEND

- 2'x2' GRID CEILING AS SCHEDULED
- 2'x4' GRID CEILING AS SCHEDULED
- GWB CEILING / SOFFIT
- EMERGENCY LIGHT
- EXIT SIGN
- SPRINKLER HEAD
- DOWNLIGHT
- SURFACE MOUNTED LIGHT FIXTURE
- 2'x2' RECESSED LIGHT FIXTURE
- 2'x4' RECESSED LIGHT FIXTURE
- EXHAUST AIR GRILLE
- RETURN AIR GRILLE
- SUPPLY AIR GRILLE



A **TYPICAL DETAIL - ATTIC ACCESS**
3/4" = 1'-0"

GENERAL CEILING NOTES

1. REFER TO MECHANICAL, ELECTRICAL, PLUMBING DRAWINGS FOR CEILING EQUIPMENT INCLUDING BUT NOT LIMITED TO GRILLES, REGISTERS, DIFFUSERS, SPRINKLER HEADS, LIGHTING, AND EMERGENCY FIXTURES.
2. REFER TO MEPF DRAWINGS FOR EXACT LOCATIONS, QUANTITIES, AND SIZES OF ALL EQUIPMENT.
3. SUPPORT GYP BD CEILING BULKHEADS AND/OR SOFFITS, WITH 3-5/8" METAL STUDS, METAL SUSPENSION SYSTEM OR RESILIENT FURRING CHANNELS AT 16" O.C.
4. WHERE TEGULAR TILE IS USED PROVIDE TEGULAR EDGE ON CUT SIDE OF TILE.
5. REFERENCE FLOOR PLANS FOR DIMENSIONS AND ADDITIONAL DETAILS FOR ROOMS SCHEDULED TO HAVE CEILINGS.
6. CONTRACTORS RESPONSIBLE FOR ALL 'BLOCKING' REQUIRED TO PROPERLY INSTALL EQUIPMENT RELATED TO THEIR SCOPE OF WORK.

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PROJECT:
NEW PUBLIC WORKS BUILDING & SALT SHED RELOCATION

2290 GILBERTSVILLE ROAD
POTTSTOWN, PA 19464

OWNER:
UPPER POTTSGROVE TOWNSHIP

1409 FARMINGTON AVENUE
POTTSTOWN, PA 19464

PROJECT TEAM:

ARCHITECT:
ALLOY5
ARCHITECTURE

CIVIL:
CHESTER VALLEY
ENGINEERS, INC.
112 MOORES ROAD
SUITIE 200
MALVERN, PA 19355
610-644-4623

STRUCTURAL:

MEPF:
PROJECTX DESIGN GROUP
2433 BLUE DRIVE
NAZARETH, PA 18064
610-365-2436

SUBMISSIONS:

NO.	ISSUE DESCRIPTION	DATE
	BID DOCUMENTS	03/31/2025
	PERMIT SET	06/20/25

KEY PLAN:

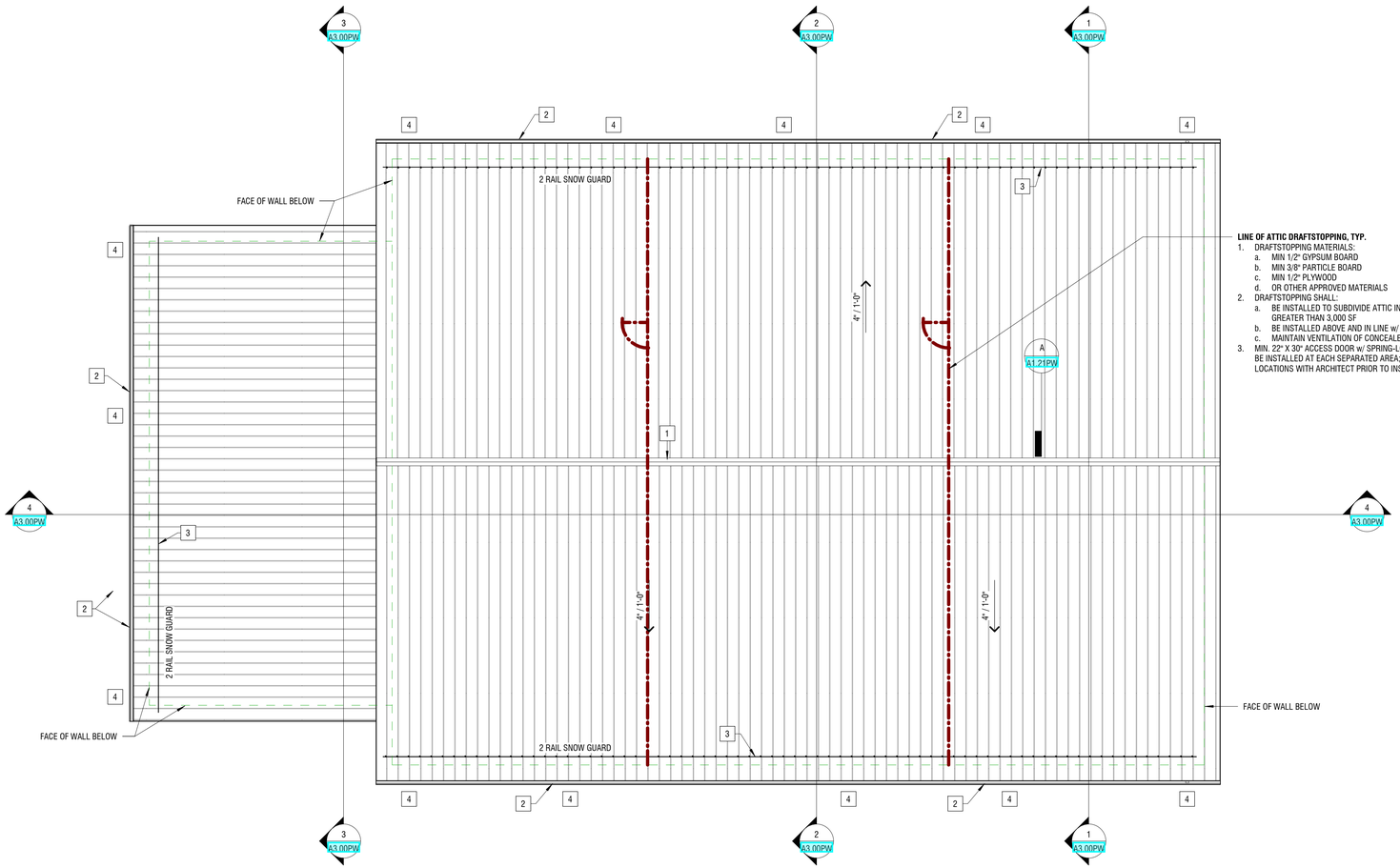
REGISTRATION:

ALLOY5
ARCHITECTURE
530 WEST BROAD ST BETHLEHEM, PA 18018
610.419.4055

SHEET TITLE:
REFLECTED CEILING PLAN

DATE:	03/31/25
SCALE:	As indicated
DRAWN BY:	Author
CHECKED BY:	Checker
PROJ NO:	22-0058

A1.21PW



1 **Roof Plan**
1/8" = 1'-0"

☐ KEYED ROOF NOTES

NO.	NOTE
1	RIDGE VENT. TO MATCH STANDING SEAM METAL ROOF FINISH
2	PREFINISHED ALUMINUM 6" GUTTER - CUSTOM COLOR
3	SNOW GUARD, SPACED PER MANUFACTURERS RECOMMENDATIONS
4	3"x4" ALUMINUM DOWNSPOUT, WITH CAST IRON BOOT, SEE SPEC'S

ROOF LEGEND

DIRECTION OF SLOPE

GENERAL ROOF NOTES

1. REFERENCE STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
2. REFERENCE MEP DRAWINGS FOR ROOF TOP EQUIPMENT, PIPES THRU ROOF, EXHAUST, ETC.
3. FOR ROOF OPENINGS, THE GC IS RESPONSIBLE FOR PROVIDING THE STRUCTURAL FRAMING FOR THE OPENING. REFERENCE STRUCTURAL DRAWINGS FOR FRAMING DETAILS. GC TO COORDINATE WITH HC FOR PROVIDING EXACT LOCATIONS AND SIZE OF ALL HVAC EQUIPMENT REQUIRED.

PROJECT:

NEW PUBLIC WORKS BUILDING & SALT SHED RELOCATION

2290 GILBERTSVILLE ROAD
POTTSTOWN, PA 19464

OWNER:

UPPER POTTSGROVE TOWNSHIP

1409 FARMINGTON AVENUE
POTTSTOWN, PA 19464

PROJECT TEAM:

ARCHITECT:
ALLOY5
ARCHITECTURE

CIVIL:
CHESTER VALLEY
ENGINEERS, INC.
112 MOORES ROAD
SUITIE 200
MALVERN, PA 19355
610-644-4623

STRUCTURAL:

MEPF:
PROJECTX DESIGN GROUP
2433 BLUE DRIVE
NAZARETH, PA 18064
610-365-2436

SUBMISSIONS:

NO.	ISSUE DESCRIPTION	DATE
	BID DOCUMENTS	03/31/2025
	PERMIT SET	06/20/25

KEY PLAN:

REGISTRATION:

ALLOY5
ARCHITECTURE
530 WEST BROAD ST BETHLEHEM, PA 18018
610.419.4055

SHEET TITLE:

ROOF PLAN & DETAILS

DATE:	03/31/25
SCALE:	As indicated
DRAWN BY:	Auther
CHECKED BY:	Checker
PROJ NO:	22-0058

A1.40PW

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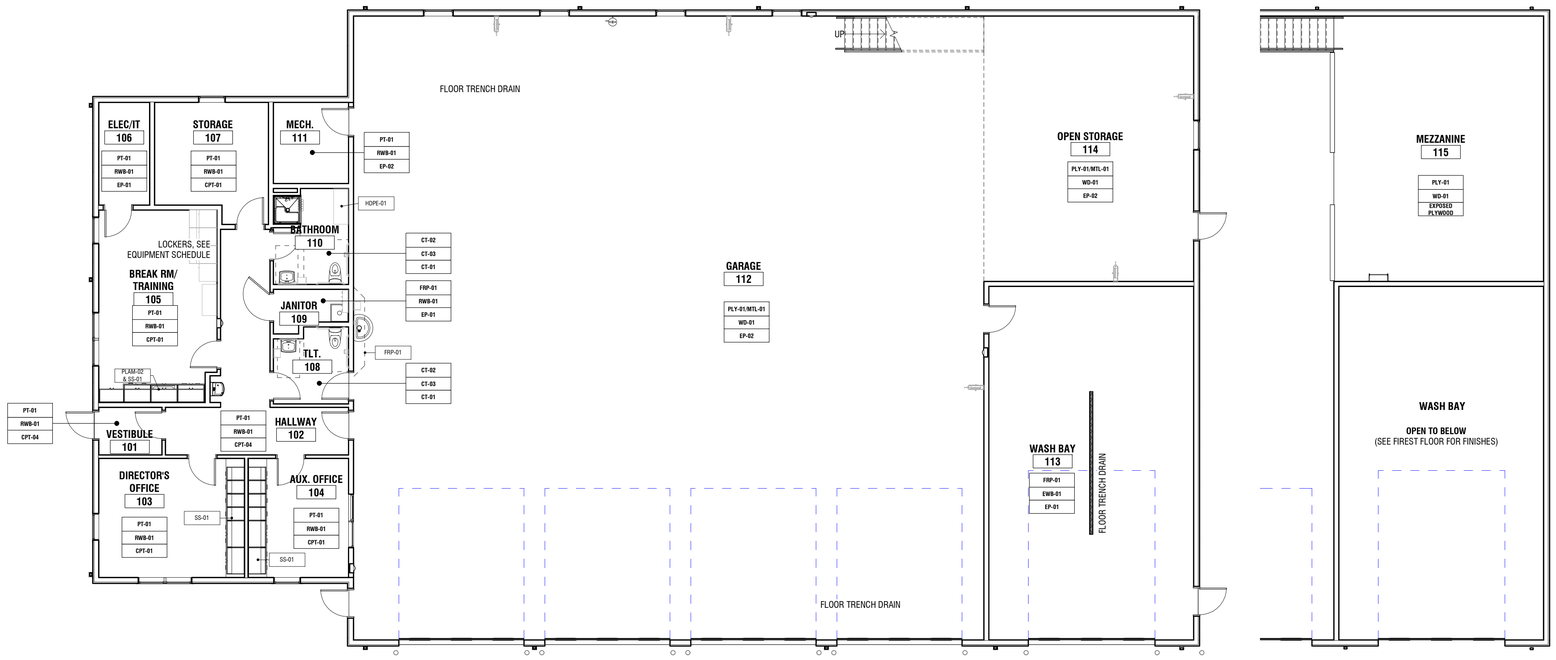
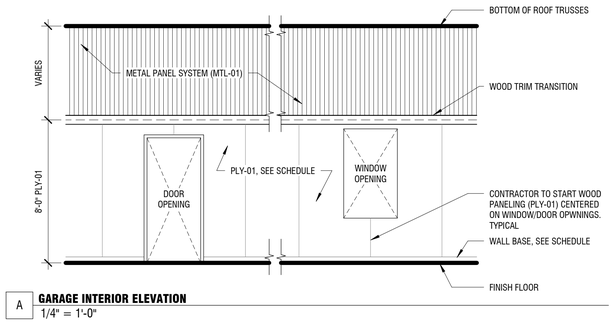


1 **LEVEL 01 - FINISH FLOOR PLAN**
1/8" = 1'-0"

2 **MEZZ. FLOOR PLAN**
1/8" = 1'-0"



A **GARAGE INTERIOR ELEVATION**
1/4" = 1'-0"

WALLS	
BASE	
FLOOR	

ROOM FINISH SCHEDULE - LEVEL 01

ROOM NO.	ROOM NAME	FLOOR FINISH	WALL BASE		WALL FINISH	COUNTERTOP FINISH	CASEWORK FINISH	CEILINGS		COMMENTS
			MATL	HGT				MATERIAL	FINISH	
101	VESTIBULE	CPT-04	RWB-01	4"	PT-01			GYP	PT-01	
102	HALLWAY	CPT-04	RWB-01	4"	PT-01			ACT-1		
103	DIRECTOR'S OFFICE	CPT-01	RWB-01	4"	PT-01	SS-01	PLAM-02	ACT-1		
104	AUX. OFFICE	CPT-01	RWB-01	4"	PT-01	SS-01	PLAM-02	ACT-1		
105	BREAK.RM/ TRAINING	CPT-01	RWB-01	4"	PT-01	SS-01	PLAM-02	ACT-1		
106	ELEC/IT	EP-01	RWB-01	4"	PT-01			ACT-1		
107	STORAGE	CPT-01	RWB-01	4"	PT-01			ACT-1		
108	TLT.	CT-01	CT-03	3"	CT-02			GYP	PT-01	
109	JANITOR	EP-01	RWB-01	4"	FRP-01			GYP	PT-01	
110	BATHROOM	CT-01	CT-03	3"	CT-02			GYP	PT-01	
111	MECH.	EP-02	RWB-01	4"	PT-01			ACT-1		
112	GARAGE	EP-02	WD-01	6"	PLY-01/MTL-01			MTL-01		ALTERNATE FLOOR FINISH; EP-01, ALTERNATE WALL BASE EWB-01
113	WASH BAY	EP-01	EWB-01	6"	FRP-01			MTL-01		
114	OPEN STORAGE	EP-02	WD-01	6"	PLY-01/MTL-01			MTL-01		ALTERNATE FLOOR FINISH; EP-01, ALTERNATE WALL BASE EWB-01

INTERIOR FINISH PLAN FLOORS

EPOXY FLOORING

Code: EP-01
Basis of Design: Key Resin
Product: Key Mortar SLT
Color: Color to be selected by architect from manufacturer's full range

EPOXY PAINT

Code: EP-02
Basis of Design: Sherwin Williams
Product: Armoseal 8100 Water Bases Epoxy
Color: Color to be selected by architect from manufacturer's full range

CERAMIC TILE

Code: CT-01
Basis of Design: Daltile
Product: Color Wheel Classic
Size: Hexagon
Color: Matte Chalkboard

CARPET TILE

Code: CPT-01
Basis of Design: Shaw Contract
Product: Upbeat Tile
Size: 18" x 36"
Color: Bubbly
Installation: Ashlar

Code: CPT-04
Basis of Design: Shaw Contract
Product: Welcome II Tile
Size: 24" x 24"
Color: Sterling
Installation: Ashlar

INTERIOR FINISH PLAN WALLS

PAINT

Code: PT-01
Basis of Design: Sherwin Williams
Color: Snowbound SW 7004
Finish: Eggshell
Location: Drywall

CERAMIC TILE

Code: CT-02
Basis of Design: Daltile
Product: Color Wheel Classic
Size: 3 x 6
Color: Arctic White 0190

WALL PROTECTION

Code: FRP-01
Basis of Design: Marlite
Product: Fiberglass Reinforced Panels
Color: White - Smooth Finish

METAL PANEL

Code: MTL-01
Basis of Design: See Specifications
Color: Architect to make selection from full range
Installation: Vertical; gc to provide all blocking required per manufacturers specified installation.

INTERIOR FINISH PLAN BASE & OTHER

CERAMIC TILE

Code: CT-03
Basis of Design: Daltile
Product: Color Wheel Classic Cove Base
Size: 3 x 6
Color: Arctic White

RUBBER WALL BASE & ACCESSORIES

Code: RWB-01
Basis of Design: Roppe
Product: Rubber Wall Base
Size: 4" x 120" Rolls
Color: Slate
Approved Equals: Johnsonite, Armstrong, Forbo

WOOD WALL BASE & ACCESSORIES

Code: WD-01
Basis of Design: FIRE RETARDANT & PRESSURE TREATED NOMINAL LUMBER
Size: 2" x 6"
Color/Species: As Specifed
Note: Wood to be have a class A fire resistant

INTEGRALCOVE WALL BASE & ACCESSORIES

Code: EWB-01
Basis of Design: Key Resin
Product: Integral Wall Base with Cove Strip
Color: To Match Epoxy Resin

COUNTERTOPS

Code: SS-01
Basis of Design: LX Hausys HiMacs
Product: Solid Surface
Size: 1 1/2" Thickness
Color: Pebble Pearl

PLASTIC LAMINATE

Code: PLAM-02
Basis of Design: Wilsonart
Product: Plastic Laminate
Color: Monticello Maple

RESTROOM PARTITIONS/SHOWER BENCHES

Code: HPDE-01
Basis of Design: Scranton Products
Product: Hiny Hiders
Color: Concrete - Orange Peel

ACOUSTIC CEILING TILE

Code: ACT-01
Basis of Design: Armstrong Ultima #1912
NRC: .75
LRV: .90
Color: White
Edge: Beveled Tegular
Size: 24" x 24" x 3/4"
Suspension System: 9/16" Suprafine XL
Approved Equals: Certainteed, USG, Rockfon

WOOD SHEATHING

Code: PLY-01
Basis of Design: FIRE RETARDANT & PRESSURE TREATED PLYWOOD SHEATHING
Size: 3/4" x 4' x 8'
Location: As Specified
Installation: GC to provide all blocking required for installation.

NOTE: DESIGN SELECTION SUMMARY: FOR REFERENCE ONLY. SEE SPECIFICATIONS FOR FULL MATERIAL DOCUMENTATION

GENERAL FINISH NOTES

1. REFER TO SHEET A1.61PW FOR ALL FINISH SELECTIONS, TYPICAL.
2. REFER TO SHEETS A7.00PW FOR ELEVATIONS AND FINISH LOCATIONS.
3. GC TO PAINT ALL LOCATIONS WHICH INCLUDE, BUT ARE NOT LIMITED TO, ALL EXPOSED STEEL, EXPOSED DECK, EXPOSED SPRINKLER PIPING, EXPOSED CONDUIT, EXPOSED PIPING, EXPOSED DUCTWORK. COLOR SHALL BE SELECTED BY ARCHITECT.
4. ALL HOLLOW METAL DOOR FRAMES TO BE PRIMED AND PAINTED. FINAL COLOR SELECTION TO BE MADE BY ARCHITECT. REFER TO DOOR SCHEDULE FOR MORE INFORMATION.
5. REFER TO DOOR SCHEDULE ON SHEET A6.00PW AND DETAILS ON SHEET A6.00PW FOR FLOOR TRANSITION DETAILS. GC TO COORDINATE FLOOR TRANSITIONS WITH DOORS.
6. MARBLE THRESHOLDS TO BE USED AT ALL RESTROOM LOCATIONS. GC TO REFERENCE BOTH MATERIALS AT TRANSITIONS TO DETERMINE REQUIRED LOCATIONS FOR REMAINING THRESHOLDS.
7. DIVIDER STRIP LOCATIONS TO MATCH CONTROL JOINTS IN CONCRETE SLAB AND SHOULD NOT EXCEED 15'-0". SEE SPECIFICATIONS AND DETAILS FOR SPECIFIC DIVIDER STRIP INFORMATION.

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PROJECT:
NEW PUBLIC WORKS BUILDING & SALT SHED RELOCATION
2290 GILBERTSVILLE ROAD
POTTSTOWN, PA 19464

OWNER:
UPPER POTTSGROVE TOWNSHIP
1409 FARMINGTON AVENUE
POTTSTOWN, PA 19464

PROJECT TEAM:

ARCHITECT:
ALLOY5 ARCHITECTURE

CIVIL:
CHESTER VALLEY ENGINEERS, INC.
112 MOORES ROAD
SUITE 200
MALVERN, PA 19355
610-644-4623

STRUCTURAL:

MEPF:
PROJECTX DESIGN GROUP
2433 BLUE DRIVE
NAZARETH, PA 18064
610-365-2436

SUBMISSIONS:

NO.	ISSUE DESCRIPTION	DATE
	BID DOCUMENTS	03/31/2025
	PERMIT SET	06/20/25

KEY PLAN:

REGISTRATION:
ALLOY5 ARCHITECTURE
530 WEST BROAD ST BETHLEHEM, PA 18018
610.419.4055

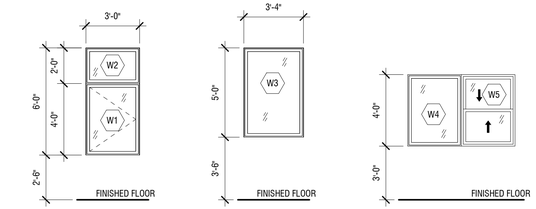
SHEET TITLE:
FINISH PLAN & SCHEDULE - LEVEL 01

DATE: 03/31/25
SCALE: As indicated
DRAWN BY: Author
CHECKED BY: Checker
PROJ NO: 22-0058

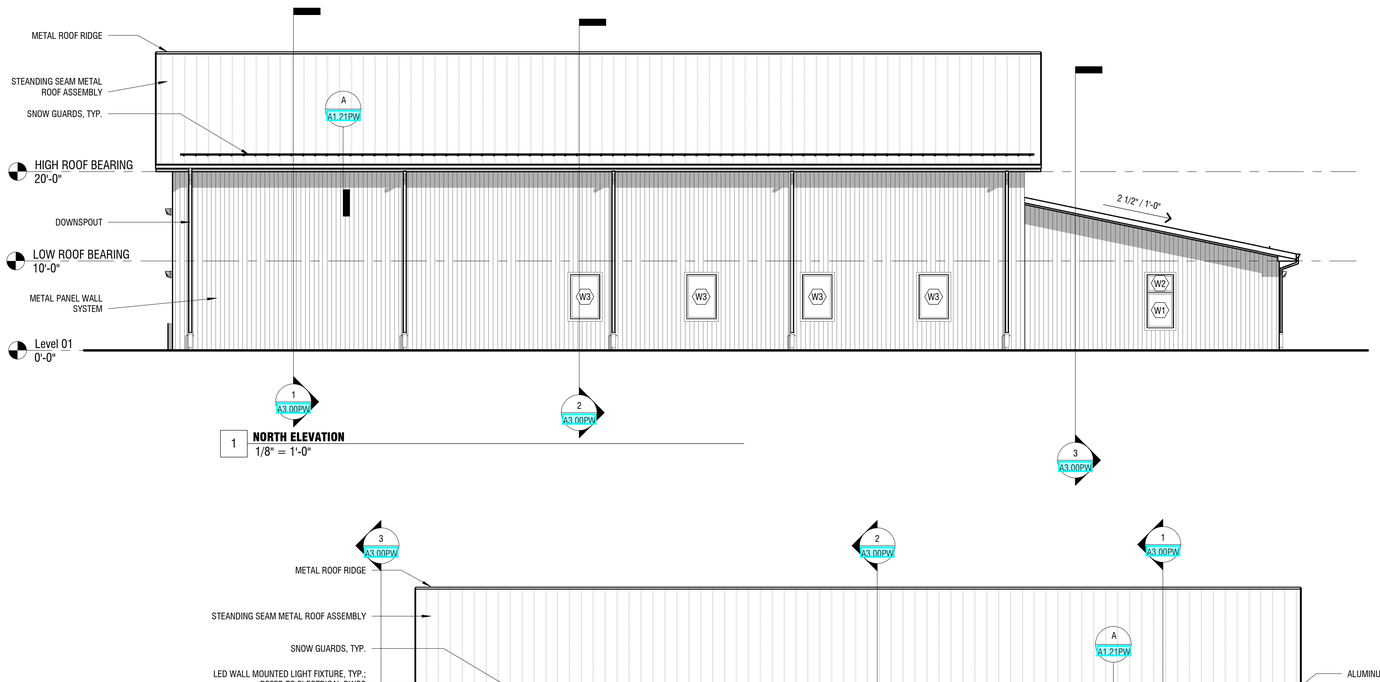
A1.61PW

WINDOW SCHEDULE

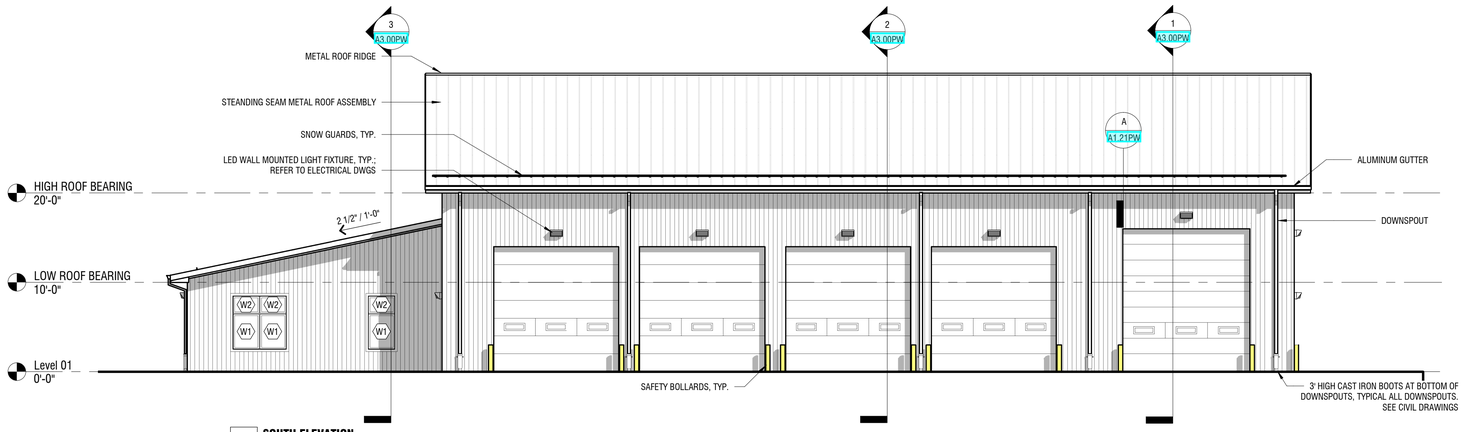
LEVEL	TYPE MARK	UNIT TYPE	SIZE		HEAD HEIGHT	MANUF	MODEL NO.	COMMENTS
			WIDTH	HEIGHT				
Level 01	W1	CASEMENT	3'-0"	4'-0"	6'-6"	SEE SPEC		
Level 01	W2	FIXED	3'-0"	2'-0"	8'-6"	SEE SPEC		
Level 01	W3	FIXED	3'-4"	5'-0"	8'-6"	SEE SPEC		
Level 01	W4	FIXED	3'-0"	4'-0"	7'-0"	SEE SPEC		INSULATED GLAZING
Level 01	W5	DOUBLE HUNG	3'-0"	4'-0"	7'-0"	SEE SPEC		INSULATED GLAZING



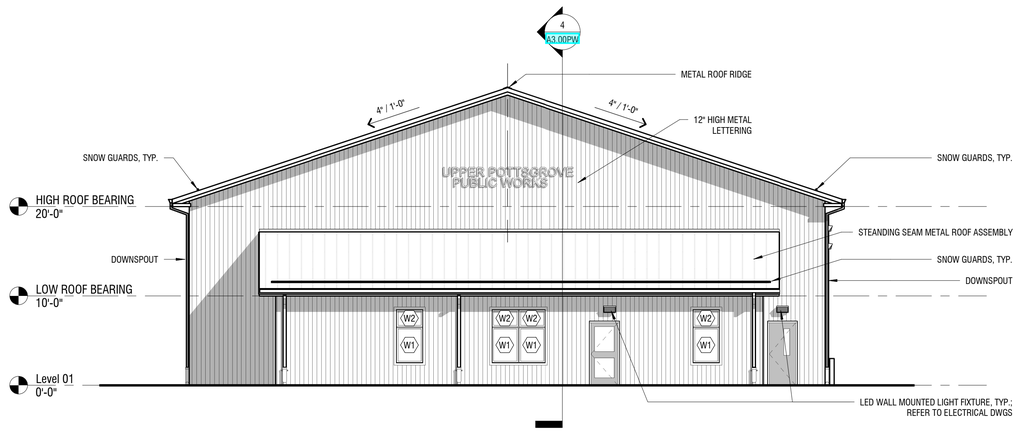
WINDOW TYPE
1/4" = 1'-0"



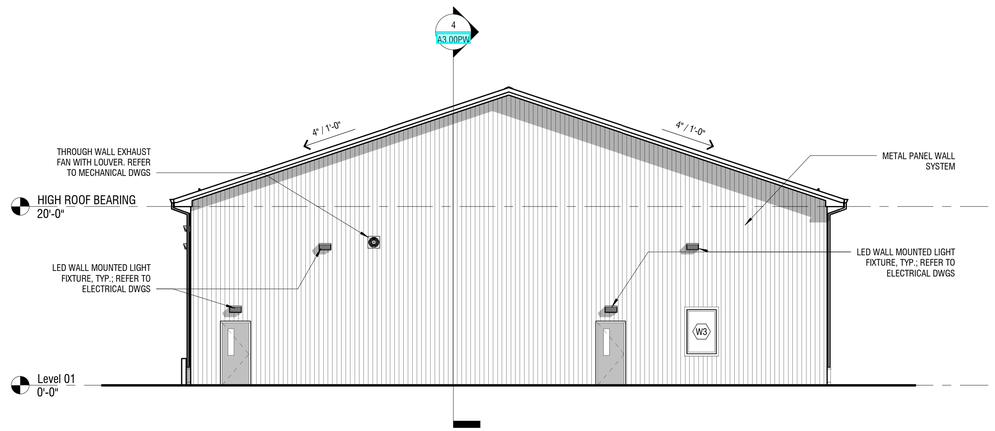
1 NORTH ELEVATION
1/8" = 1'-0"



2 SOUTH ELEVATION
1/8" = 1'-0"



3 EAST ELEVATION
1/8" = 1'-0"



4 WEST ELEVATION
1/8" = 1'-0"

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PROJECT:
NEW PUBLIC WORKS BUILDING & SALT SHED RELOCATION

2290 GILBERTSVILLE ROAD
POTTSTOWN, PA 19464

OWNER:
UPPER POTTSGROVE TOWNSHIP

1409 FARMINGTON AVENUE
POTTSTOWN, PA 19464

PROJECT TEAM:

ARCHITECT:
ALLOY5
ARCHITECTURE

CIVIL:
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ENGINEERS, INC.
112 MOORES ROAD
SUITE 200
MALVERN, PA 19355
610-644-4623

STRUCTURAL:

MEPE:
PROJECTX DESIGN GROUP
2433 BLUE DRIVE
NAZARETH, PA 18064
610-365-2436

SUBMISSIONS:

NO.	ISSUE DESCRIPTION	DATE
	BID DOCUMENTS	03/31/2025
	PERMIT SET	06/20/25

KEY PLAN:

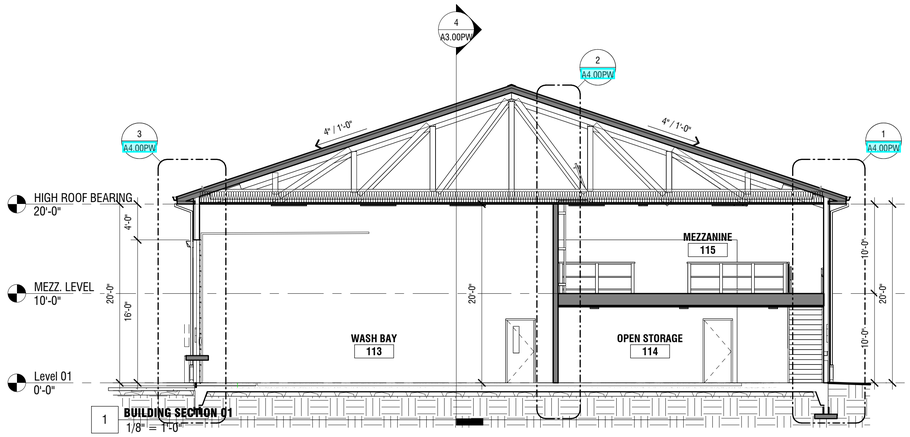
REGISTRATION:

ALLOY5
ARCHITECTURE
530 WEST BROAD ST BETHLEHEM, PA 18018
610.419.4055

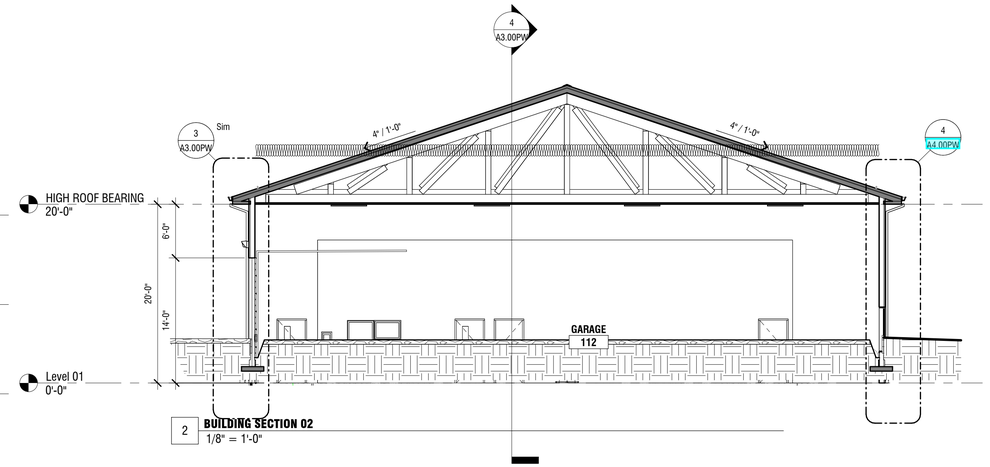
SHEET TITLE:
EXTERIOR ELEVATIONS

DATE:	03/31/25
SCALE:	As indicated
DRAWN BY:	Author
CHECKED BY:	Checker
PROJ NO:	22-0058

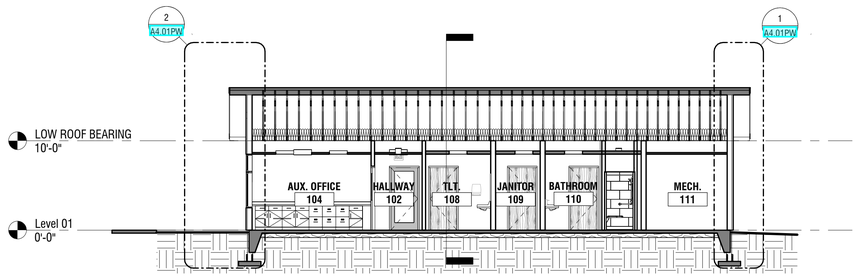
A2.00PW



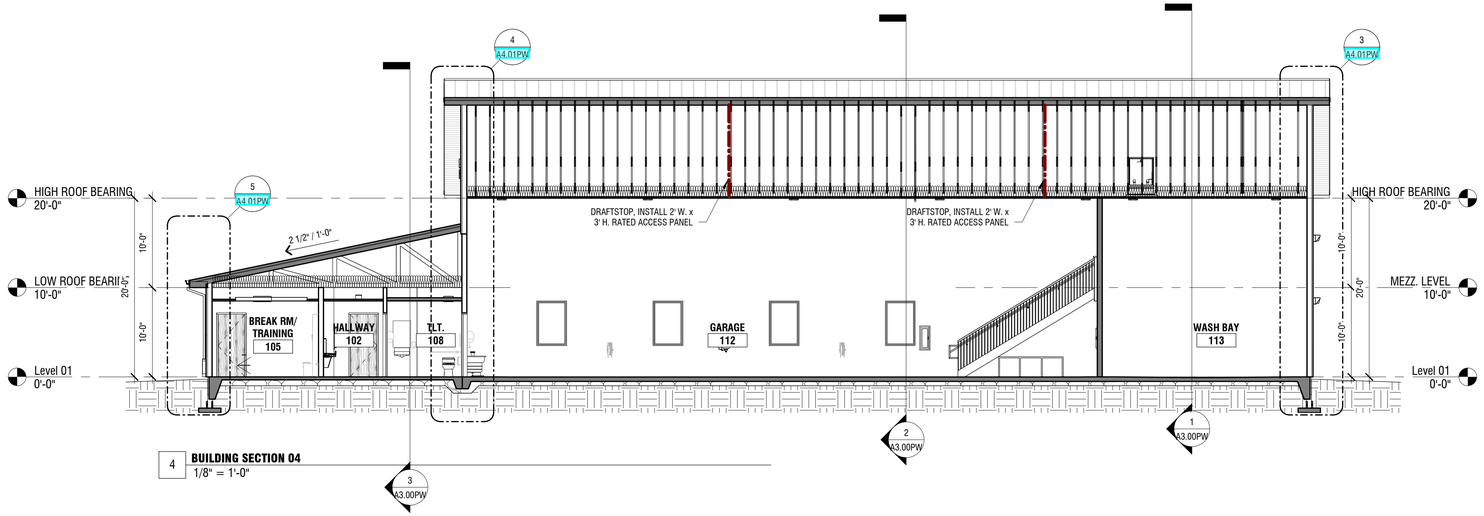
1 **BUILDING SECTION 01**
1/8" = 1'-0"



2 **BUILDING SECTION 02**
1/8" = 1'-0"



3 **BUILDING SECTION 03**
1/8" = 1'-0"



4 **BUILDING SECTION 04**
1/8" = 1'-0"

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PROJECT:

NEW PUBLIC WORKS BUILDING & SALT SHED RELOCATION

2290 GILBERTSVILLE ROAD
POTTSTOWN, PA 19464

OWNER:

UPPER POTTSGROVE TOWNSHIP

1409 FARMINGTON AVENUE
POTTSTOWN, PA 19464

PROJECT TEAM:

ARCHITECT:
ALLOY5
ARCHITECTURE

CIVIL:
CHESTER VALLEY
ENGINEERS, INC.
112 MOORES ROAD
SUITIE 200
MALVERN, PA 19355
610-644-4623

STRUCTURAL:

MEPF:
PROJECTX DESIGN GROUP
2433 BLUE DRIVE
NAZARETH, PA 18064
610-365-2436

SUBMISSIONS:

NO.	ISSUE DESCRIPTION	DATE
	BID DOCUMENTS	03/31/2025
	PERMIT SET	06/20/25

KEY PLAN:

REGISTRATION:

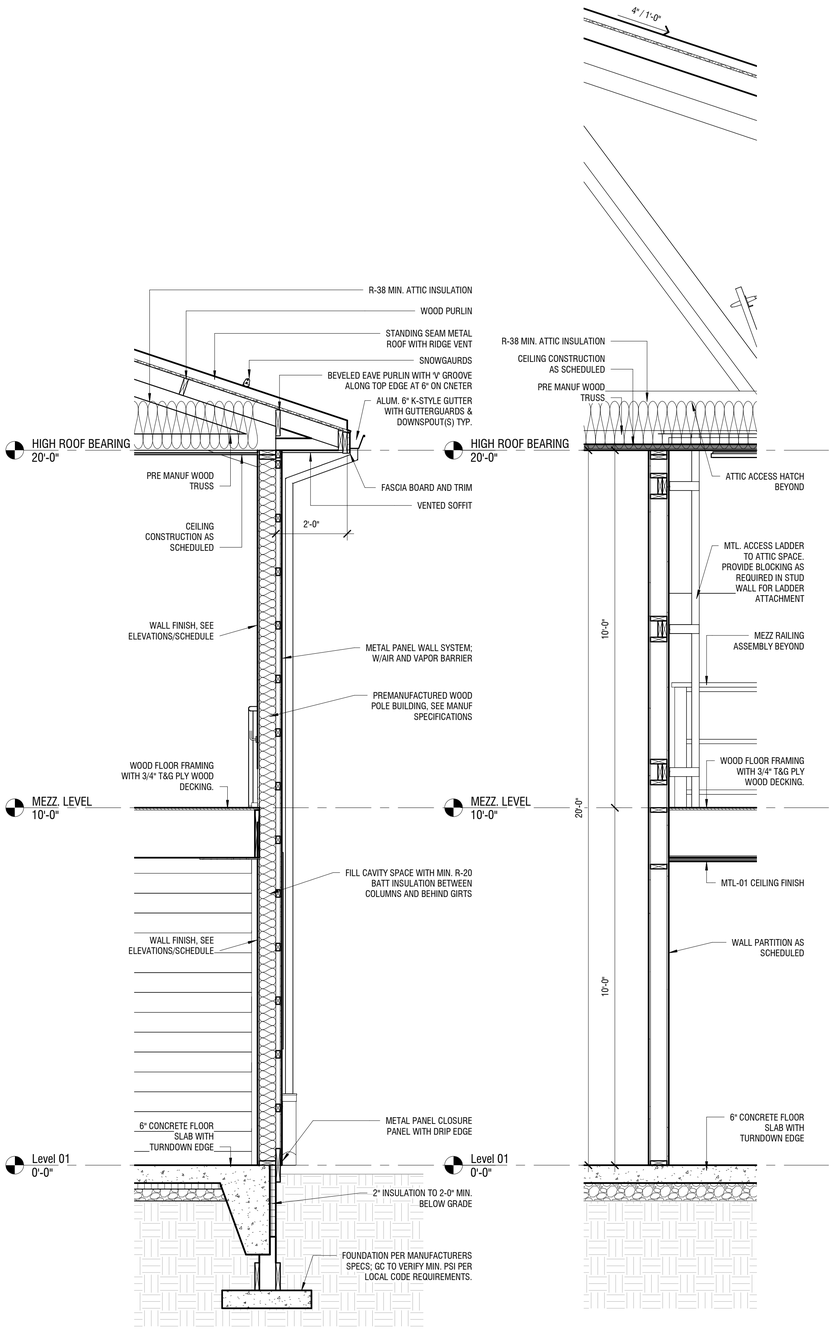
ALLOY5
ARCHITECTURE
530 WEST BROAD ST BETHLEHEM, PA 18018
610.419.4055

SHEET TITLE:

BUILDING SECTIONS

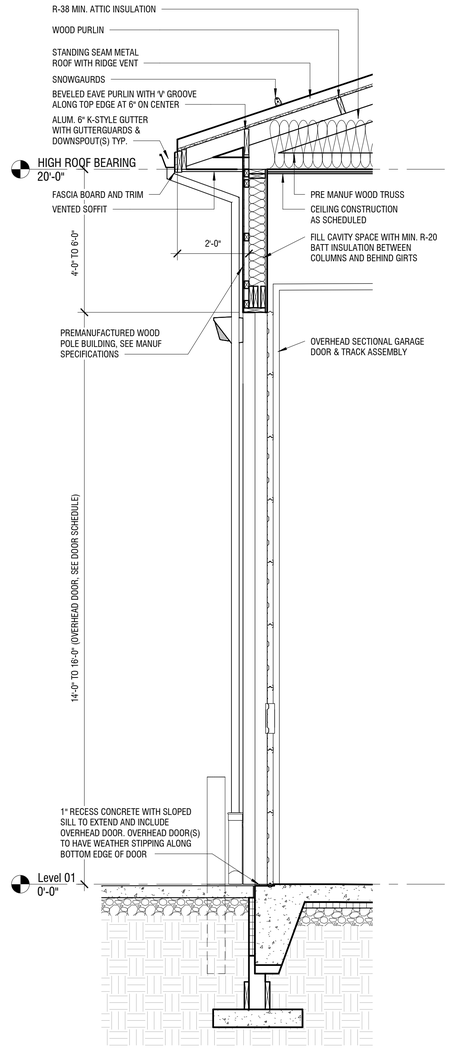
DATE: 03/31/25
SCALE: 1/8" = 1'-0"
DRAWN BY: Author
CHECKED BY: Checker
PROJ NO: 22-0058

A3.00PW

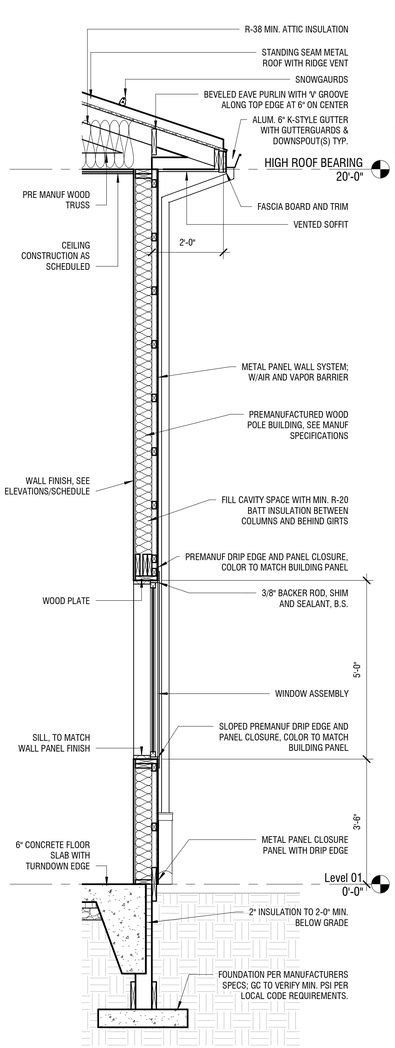


1 **WALL SECTION - 01**
1/2" = 1'-0"

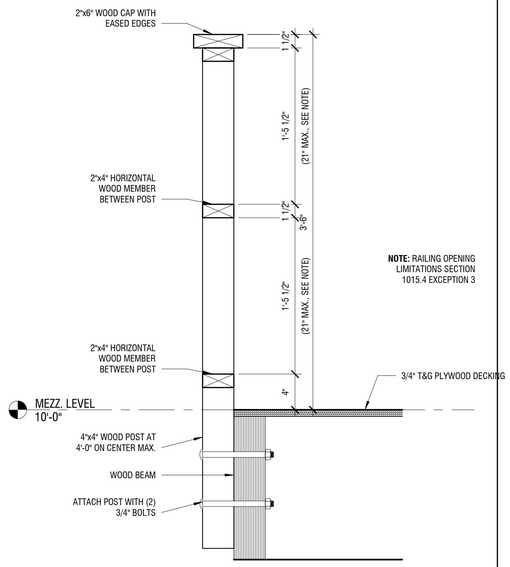
2 **WALL SECTION - 02**
1/2" = 1'-0"



3 **WALL SECTION - 03**
1/2" = 1'-0"



4 **WALL SECTION - 04**
1/2" = 1'-0"



5 **MEZZ RAILING SECTION - DETAIL**
1 1/2" = 1'-0"

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PROJECT:

NEW PUBLIC WORKS BUILDING & SALT SHED RELOCATION

2290 GILBERTSVILLE ROAD
POTTSTOWN, PA 19464

OWNER:

UPPER POTTSGROVE TOWNSHIP

1409 FARMINGTON AVENUE
POTTSTOWN, PA 19464

PROJECT TEAM:

ARCHITECT:
ALLOY5
ARCHITECTURE

CIVIL:
CHESTER VALLEY ENGINEERS, INC.
112 MOORES ROAD
SUITIE 200
MALVERN, PA 19355
610-644-4623

STRUCTURAL:

MEPE:
PROJECTX DESIGN GROUP
2433 BLUE DRIVE
NAZARETH, PA 18064
610-365-2436

SUBMISSIONS:

NO.	ISSUE DESCRIPTION	DATE
	BID DOCUMENTS	03/31/2025
	PERMIT SET	06/20/25

KEY PLAN:

REGISTRATION:

ALLOY5
ARCHITECTURE
530 WEST BROAD ST BETHLEHEM, PA 18018
610.419.4055

SHEET TITLE:

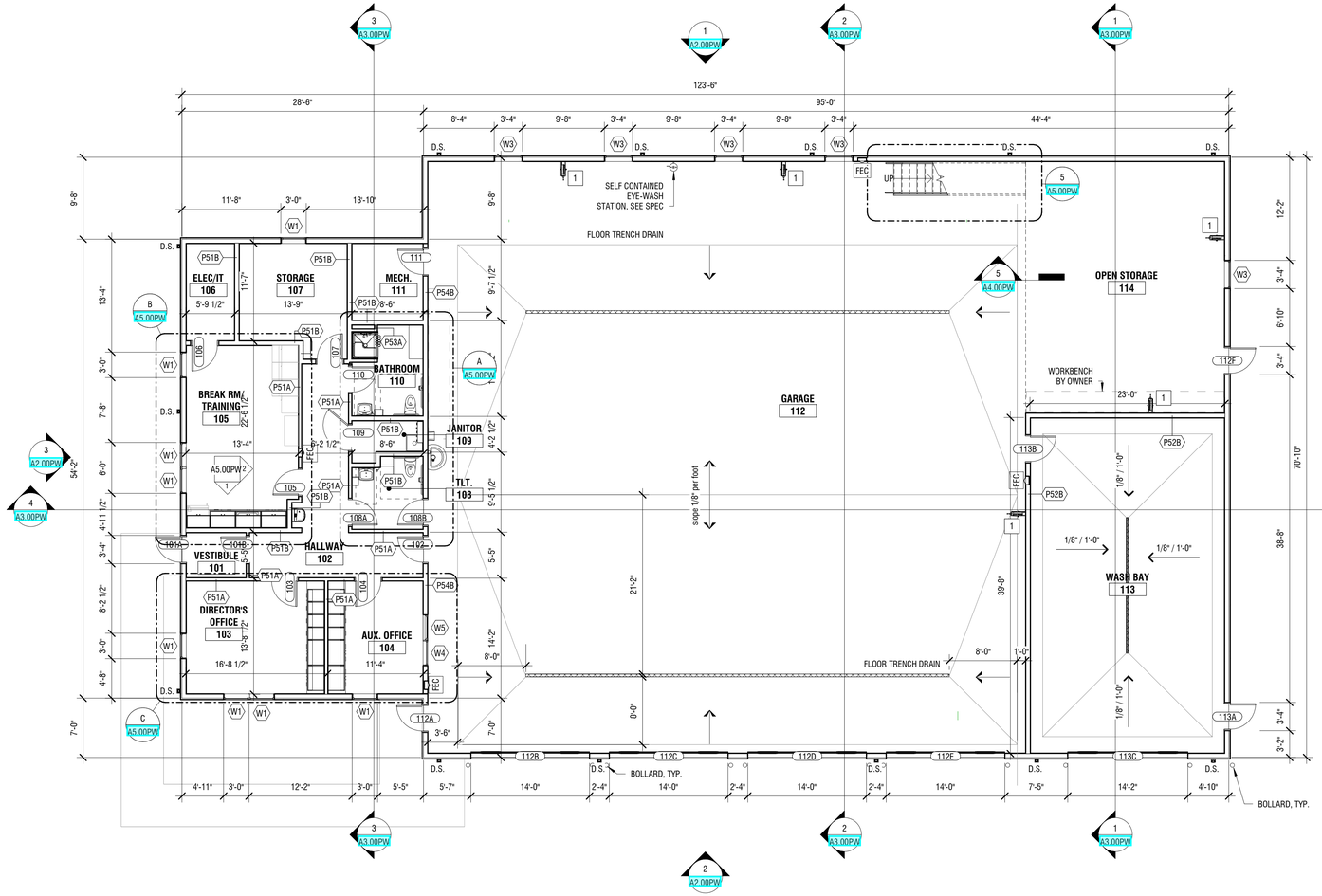
WALL SECTIONS

DATE:	03/31/25
SCALE:	As indicated
DRAWN BY:	Author
CHECKED BY:	Checker
PROJ NO:	22-0058

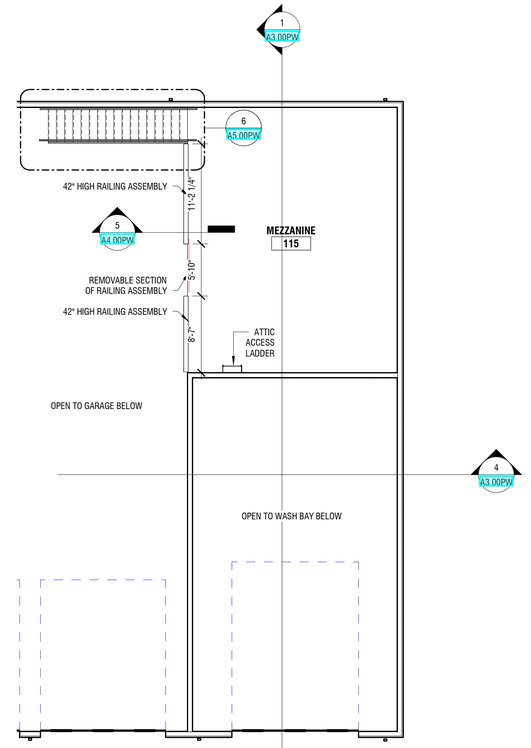
A4.00PW

☐ KEYED PLAN NOTES

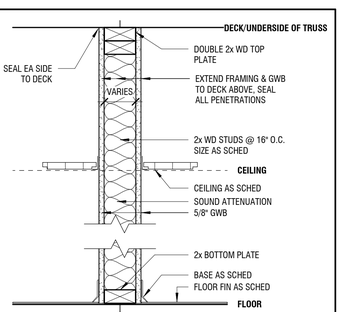
NO.	NOTE
1	AIR HOSE DROP AND REEL, MOUNTED 80" MIN. TO BOTTOM OF REEL ABOVE FINISH FLOOR. COORDINATE WITH OWNER AND MEP DRAWINGS FOR MOUNTING HEIGHT LOCATION PRIOR TO FINAL INSTALL.



1 **FLOOR PLAN**
1/8" = 1'-0"

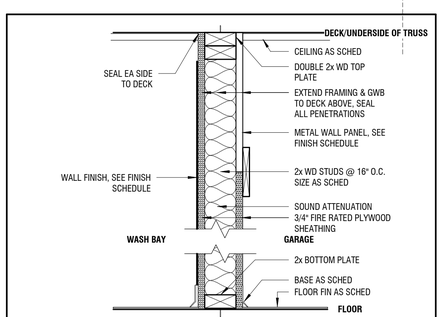


2 **MEZZ. FLOOR PLAN**
1/8" = 1'-0"



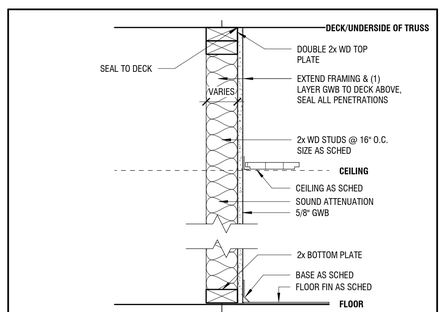
MARK	STUD SIZE	TOTAL THK	STC	SOUND ATTEN	MARK	STUD SIZE	TOTAL THK	STC	SOUND ATTEN
A	2x4	4-3/4"	36	YES	E				
B	2x6	6-3/4"	38	YES	F	-			
C	2x8	8-1/2"			G	-			
D	-	-			H	-			

P51 PARTITION WALL NOT TO SCALE



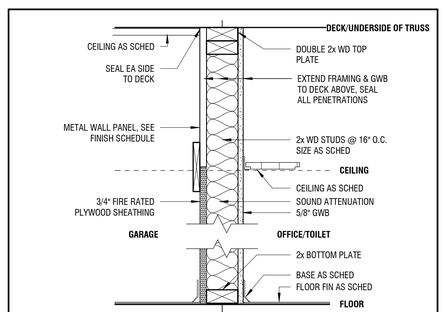
MARK	STUD SIZE	TOTAL THK	STC	SOUND ATTEN	MARK	STUD SIZE	TOTAL THK	STC	SOUND ATTEN
A	2x4	4-3/4"	36	YES	E				
B	2x6	6-3/4"	38	YES	F	-			
C	2x8	8-1/2"			G	-			
D	-	-			H	-			

P52 PARTITION WALL NOT TO SCALE



MARK	STUD SIZE	TOTAL THK	STC	SOUND ATTEN	MARK	STUD SIZE	TOTAL THK	STC	SOUND ATTEN
A	2x4	4-1/8"			E	-			
B	2x6	6-1/8"			F	-			
C	2x8	7-7/8"			G	-			
D	-				H	-			

P53 PARTITION WALL NOT TO SCALE



MARK	STUD SIZE	TOTAL THK	STC	SOUND ATTEN	MARK	STUD SIZE	TOTAL THK	STC	SOUND ATTEN
A	2x4	4-3/4"	36	YES	E				
B	2x6	6-3/4"	38	YES	F	-			
C	2x8	8-1/2"			G	-			
D	-	-			H	-			

P54 PARTITION WALL NOT TO SCALE

GENERAL PLAN NOTES

1. REFERENCE CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND TELECOM DRAWINGS FOR ADDITIONAL INFORMATION.
2. ALL DIMENSIONS ARE NOMINAL UNLESS NOTED OTHERWISE.
3. ALL CORRIDOR PARTITIONS ARE TO EXTEND TO THE UNDERSIDE OF THE FLOOR/ROOF STRUCTURE ABOVE, SEAL PARTITIONS SOUND TIGHT.
4. PROVIDE BLOCKING IN PARTITIONS AS REQUIRED FOR INSTALLATION OF ALL WALL MOUNTED CABINETRY, SHELVING, EQUIPMENT, HANDRAILS, AND ACCESSORIES.
5. CABINET MAKER SHALL PROVIDE ALL CUTOUTS, HOLES, ETC. FOR ELECTRICAL, PLUMBING, AND MECHANICAL DEVICES AS REQUIRED. COORDINATE WITH EACH PRIME CONTRACTOR.
6. ALL CONTRACTORS SHALL BE RESPONSIBLE FOR IDENTIFYING ROOMS, SIGNS, DOORS, KEYS, EQUIPMENT, PANELS, ETC BY THE OWNER'S FINAL NUMBERING - **NOT** THE ARCHITECTURAL NUMBERS.
7. **PERSONAL LOCKERS (3), ADA LOCKER (1), AND ADA BENCHES (2) IN 105, 110 ARE 'OFCI'.**

WALL TYPE GENERAL NOTES:

1. PARTITION DETAILS ARE NOT NUMBERED SEQUENTIALLY
2. WALL TYPES DO NOT INCLUDE WALL FINISHES. SEE ROOM FINISH SCHEDULE & INTERIOR ELEVATIONS FOR FINISH INFORMATION.
3. P = GENERAL PARTITION. F=FIRE RATED PARTITION. M=MASONRY PARTITION
4. ALL RATED WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH TESTING AGENCY REQUIREMENTS. REFER TO SPECIFIC TEST REPORTS FOR REQUIRED COMPONENTS AND ASSEMBLY. SEE WALL TYPE REFERENCES AND LIFE SAFETY PLANS FOR RATED WALL LOCATIONS. PROVIDE FIRESTOPPING PER FIRESTOPPING MANUFACTURER'S RECOMMENDATIONS FOR PENETRATIONS THROUGH RATED WALLS.
5. AT STEEL STUD WALLS WHICH DO NOT EXTEND TO STRUCTURE ABOVE, PROVIDE BRACE AT CENTERLINE OF DOOR OPENINGS AND BRACE @ 64" O.C. UNLESS NOTED OTHERWISE
6. PROVIDE BLOCKING AS REQUIRED AT ALL WALL MOUNTED ITEMS INCLUDING BUT NOT LIMITED TO: WALL CABINETS, TOILET ROOM ACCESSORIES AND PARTITIONS, DOOR HARDWARE, COUNTER TOPS, WALL MOUNTED EQUIPMENT, ETC.
7. ALL INTERIOR WALLS WHERE SOUND BATT INSULATION IS INDICATED ARE CONSIDERED ACOUSTIC WALLS, WHERE SPECIFIC STC RATINGS ARE REQUIRED, SEE INDIVIDUAL WALL TYPE PARTITIONS.
8. COORDINATE RATINGS REQUIREMENTS INDICATED ON SPECIFIC PARTITIONS WITH LIFE SAFETY PLANS.
9. WHERE TILE FINISH OCCURS, PROVIDE CEMENT BACKER BOARD IN LIEU OF GYPSUM BOARD AS SUBSTRATE, THICKNESS TO MATCH GYPSUM BOARD. REFER TO FINISH SCHEDULE AND INTERIOR ELEVATIONS FOR LOCATIONS OF TILE FINISH.
10. PROVIDE MOISTURE RESISTANT GYPSUM BOARD IN ALL RESTROOMS, LOCKER ROOMS, AND WET AREAS (WHERE TILE FINISH DOES NOT OCCUR).
11. WOOD FRAMING TO BE PRESSURE TREATED WHERE NOTED ON STRUC DWG'S, COORDINATE LOCATIONS W/ STRUC DWG'S & STRUC SPECS.
12. **INTERIOR EXPOSED WOOD SHEATING, '2X' PT WOOD TRIM TO BE FIRE RATED PER INTERIOR FINISH CODE.**

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PROJECT:
NEW PUBLIC WORKS BUILDING & SALT SHED RELOCATION

2290 GILBERTSVILLE ROAD
POTTSTOWN, PA 19464

OWNER:
UPPER POTTSGROVE TOWNSHIP

1409 FARMINGTON AVENUE
POTTSTOWN, PA 19464

PROJECT TEAM:

ARCHITECT:
ALLOY5
ARCHITECTURE

CIVIL:
CHESTER VALLEY ENGINEERS, INC.
112 MOORES ROAD
SUITIE 200
MALVERN, PA 19355
610-644-4623

STRUCTURAL:

MEPF:
PROJECTX DESIGN GROUP
2433 BLUE DRIVE
NAZARETH, PA 18064
610-365-2436

SUBMISSIONS:

NO.	ISSUE DESCRIPTION	DATE
	BID DOCUMENTS	03/31/2025
	PERMIT SET	06/20/25

KEY PLAN:

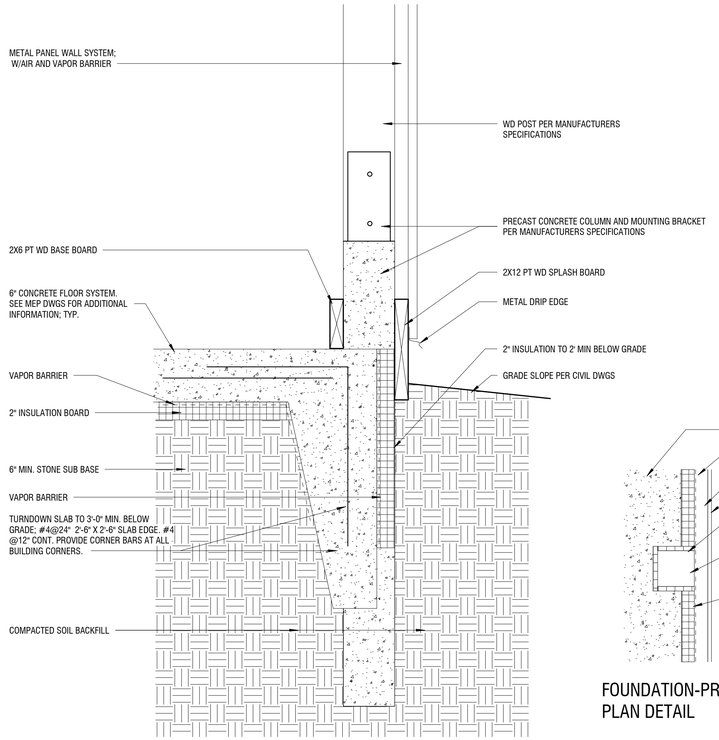
REGISTRATION:

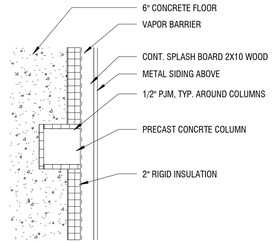
ALLOY5 ARCHITECTURE
530 WEST BROAD ST BETHLEHEM, PA 18018
610.419.4055

SHEET TITLE:
FLOOR PLAN

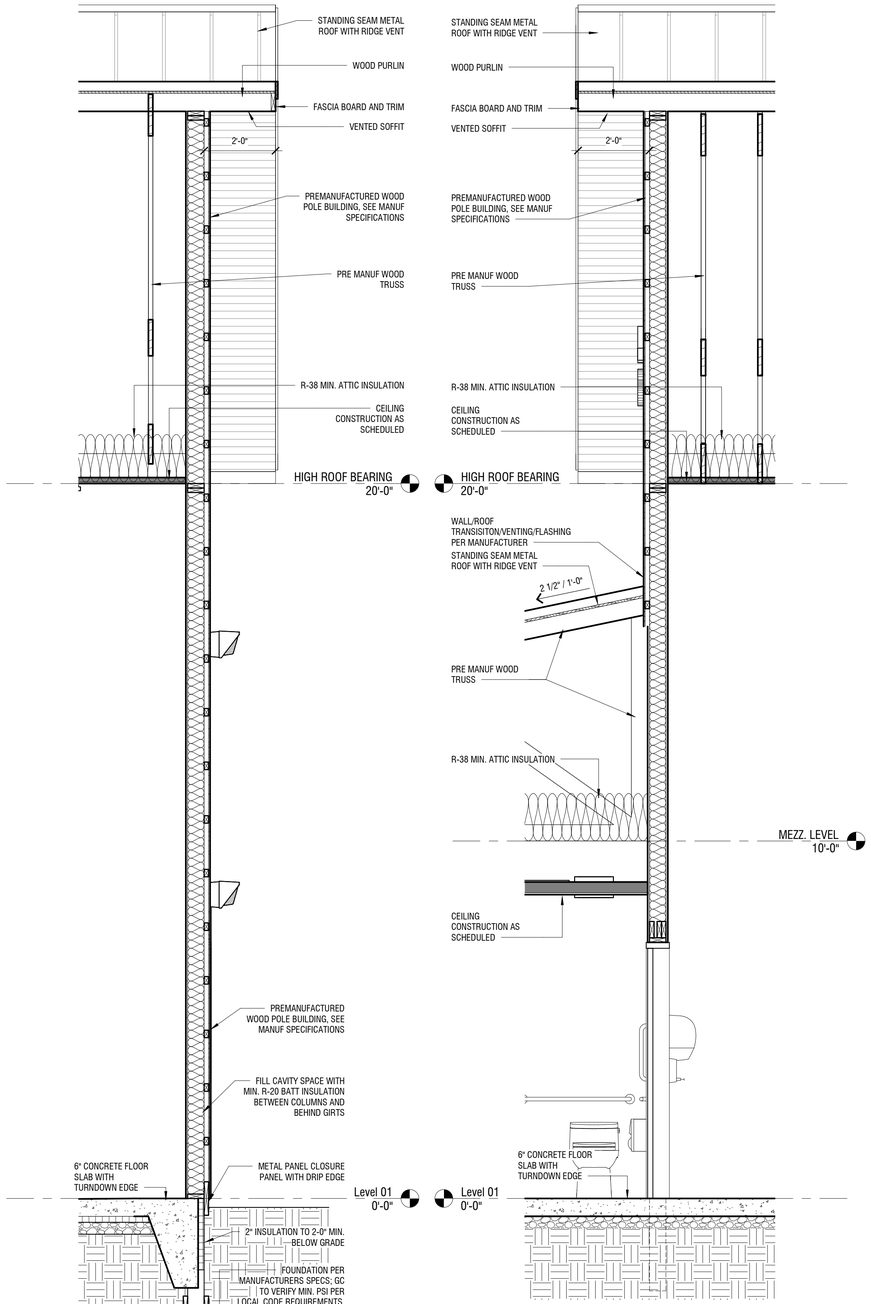
DATE: 03/31/25
SCALE: As indicated
DRAWN BY: Author
CHECKED BY: Checker
PROJ NO: 22-0058

A1.01PW

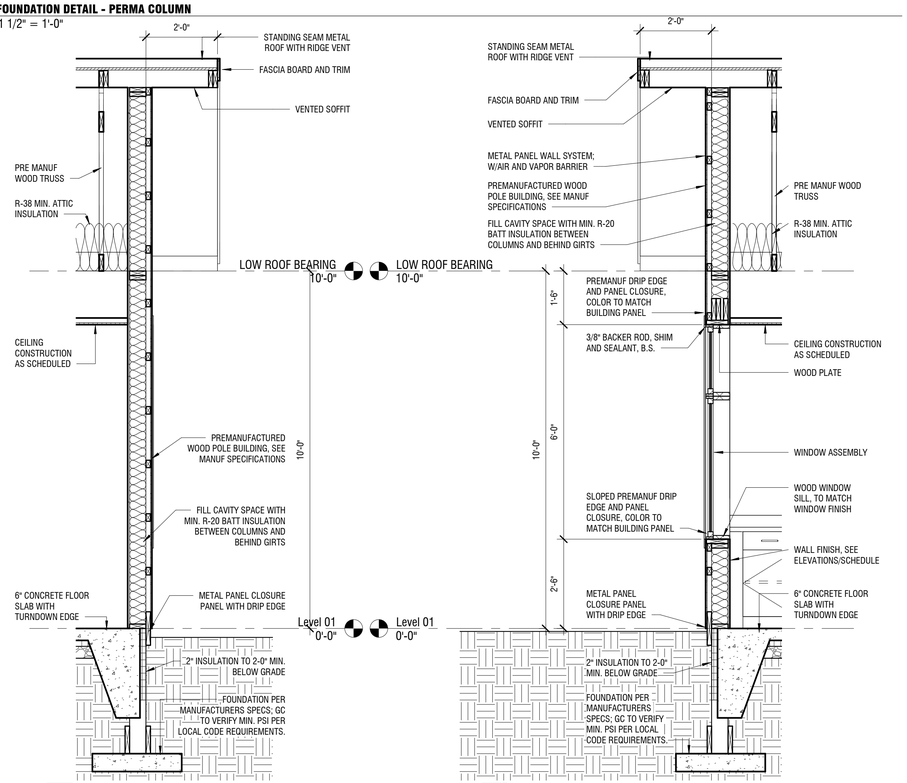




FOUNDATION-PRECAST CONCRETE COLUMN PLAN DETAIL



A **FOUNDATION DETAIL - PERMA COLUMN**
1 1/2" = 1'-0"



1 **WALL SECTION - 06**
1/2" = 1'-0"

2 **WALL SECTION - 07**
1/2" = 1'-0"

3 **WALL SECTION - 08**
1/2" = 1'-0"

4 **WALL SECTION - 09**
1/2" = 1'-0"

5 **WALL SECTION - 10**
1/2" = 1'-0"

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PROJECT:

NEW PUBLIC WORKS BUILDING & SALT SHED RELOCATION

2290 GILBERTSVILLE ROAD
POTTSTOWN, PA 19464

OWNER:

UPPER POTTSGROVE TOWNSHIP

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KEY PLAN:

REGISTRATION:

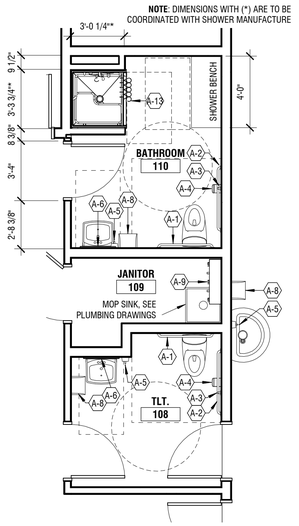
ALLOY5
ARCHITECTURE
530 WEST BROAD ST BETHLEHEM, PA 18018
610.419.4055

SHEET TITLE:

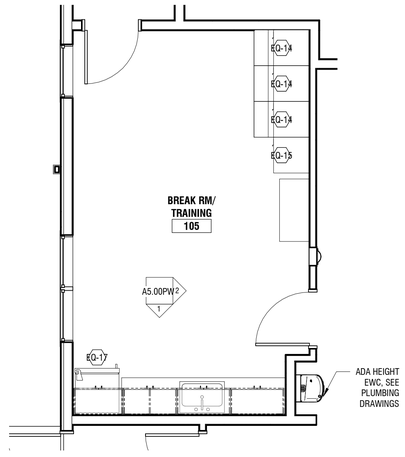
WALL SECTIONS

DATE: 03/31/25
SCALE: As indicated
DRAWN BY: Author
CHECKED BY: Checker
PROJ NO: 22-0058

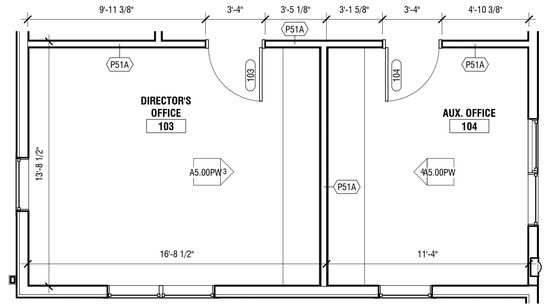
A4.01PW



A **ENLARGED TOILET ROOM PLAN**
1/4" = 1'-0"



B **ENLARGED BREAK/TRAINING ROOM**
1/4" = 1'-0"



C **ENLARGED OFFICE AREA**
1/4" = 1'-0"

CASEWORK SCHEDULE

TYPE NO.	DESCRIPTION	HEIGHT	WIDTH	DEPTH	BASIS OF DESIGN	CAT NO.	ADDITIONAL INFORMATION
C-5	Base Casework	2'-8 1/2"	1'-6"	2'-0"	Stevens Industries	10421	
C-8	Base Casework	2'-8 1/2"	3'-0"	2'-0"	Stevens Industries	10356	
C-10	Base Casework	2'-8 1/2"	3'-0"	2'-0"	Stevens Industries	10432	
C-13	Sink Base Casework	2'-8 1/2"	3'-0"	2'-0"	Stevens Industries	10678	
C-43	Base Casework	2'-8 1/2"	1'-6"	2'-0"	Stevens Industries	10316	
C-44	Wall Casework	2'-6"	3'-0"	1'-6"	Stevens Industries	15149	
C-45	Wall Casework	1'-6"	3'-0"	1'-6"	Stevens Industries	15129	
C-46	Wall Casework	2'-6"	3'-0"	1'-6"	Stevens Industries	15181	
C-47	Wall Casework	1'-0"	2'-9"	1'-6"	Stevens Industries	15129	

EQUIPMENT SCHEDULE

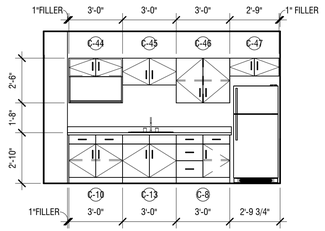
NO.	NAME	MANUFACTURER; MODEL; INFO	NOTES
EQ-1	NOT USED		
EQ-2	NOT USED		
EQ-3	NOT USED		
EQ-4	NOT USED		
EQ-5	NOT USED		
EQ-6	NOT USED		
EQ-7	NOT USED		
EQ-8	NOT USED		
EQ-9	NOT USED		
EQ-10	NOT USED		
EQ-11	NOT USED		
EQ-12	NOT USED		
EQ-13	43" TV & FIXED TV WALL MOUNT	SAMSUNG; QN43Q60CAF; OR APPROVED EQUAL AND SANUS PREMIUM SERIES FIXED-POSITION WALL MOUNT; VML5; OR APPROVED EQUAL	OFCI
EQ-14	GEAR LOCKER w/ INTEGRAL BENCH	DATUM: GEARSTOR LOCKERS 2' W X 3' D X 6' H; SINGLE DOOR W/PERFORATIONS, 12" BENCH, POWER BLOCK, COAT HOOK, LOCK BOX, HASP LOCK (KEYED?)	IN CONTRACT
EQ-15	GEAR LOCKER - ADA	SAME AS ABOVE EQ-14 W/OUT INTEGRAL BENCH	IN CONTRACT
EQ-16	RESIDENTIAL MICROWAVE	COUNTERTOP MODEL	NIC
EQ-17	RESIDENTIAL REFRIGERATOR	30-INCH WIDE MODEL, FACTORY INSTALLED ICE MAKER IN FREEZER	NIC
EQ-18	NOT USED		
EQ-19	NOT USED		
EQ-20	NOT USED		
EQ-21	NOT USED		

ACCESSORIES SCHEDULE

NO.	BASIS OF DESIGN	ITEM	INSTALLED BY	SUPPLIED BY
A-1	BOBRICK	H.C. GRAB BAR (B6106 X 36)	CONTRACTOR	CONTRACTOR
A-2	BOBRICK	H.C. GRAB BAR (B6106 X 42)	CONTRACTOR	CONTRACTOR
A-3	BOBRICK	H.C. GRAB BAR (B6106 X 18)	CONTRACTOR	CONTRACTOR
A-4	BOBRICK	TOILET TISSUE DISPENSER (B-2888)	CONTRACTOR	CONTRACTOR
A-5	BOBRICK	SOAP DISPENSER (B-2111)	CONTRACTOR	CONTRACTOR
A-6	BOBRICK	24 X 36 MIRROR (B-165)	CONTRACTOR	CONTRACTOR
A-8	BOBRICK	AUTOMATIC PAPER TOWEL DISPENSER (B-72974)	CONTRACTOR	CONTRACTOR
A-9	BOBRICK	SHELF W/MOP & BROOM HOLDER & HOOKS	CONTRACTOR	CONTRACTOR
A-13	BOBRICK	HEAVY DUTY SHOWER CURTAIN ROD (B-6107X36), WHITE VINYL SHOWER CURTAIN (204-2), AND STAINLESS STEEL SHOWER CURTAIN HOOKS (204-1; QTY:7)	CONTRACTOR	CONTRACTOR

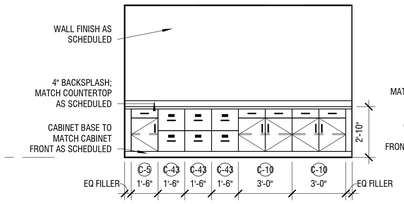
GENERAL NOTES - INTERIOR ELEVATIONS

1. REFER TO ROOM FINISH SCHEDULE FOR INTERIOR FINISHES
2. REFERENCE SHEET G1.00 FOR ANSI 117.1-2009 REQUIRED ADA CLEARANCES.
3. PC TO COORDINATE W/ GC FOR ALL PLUMBING FIXTURE LOCATIONS.

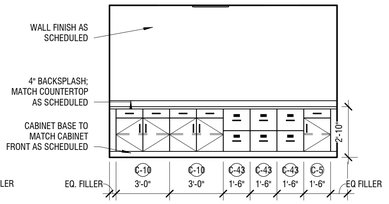


1 **INTERIOR ELEV. - BREAK/TRAINING RM. 1**
1/4" = 1'-0"

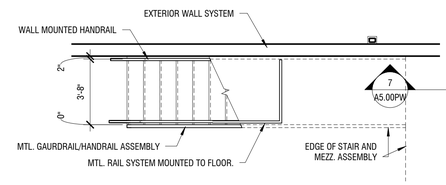
2 **INTERIOR ELEV. -BREAK/TRAINING RM. 2**
1/4" = 1'-0"



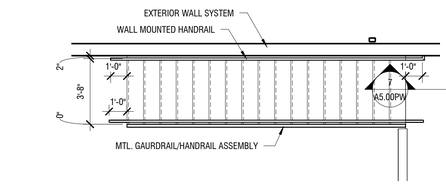
3 **INTERIOR ELEV. - DIRECTOR'S OFFICE**
1/4" = 1'-0"



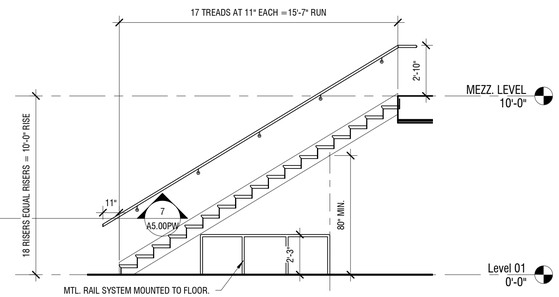
4 **INTERIOR ELEV. - AUX OFFICE**
1/4" = 1'-0"



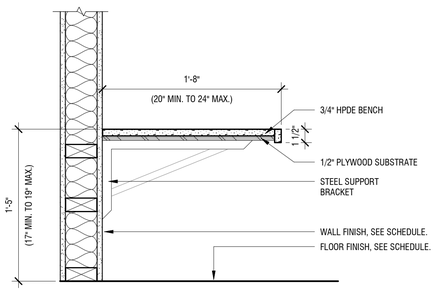
5 **FIRST FLOOR - ENLARGED STAIR PLAN**
1/4" = 1'-0"



6 **MEZZ FLOOR - ENLARGED STAIR PLAN**
1/4" = 1'-0"



7 **STAIR SECTION**
1/4" = 1'-0"



8 **DETAIL - TYP. LOCKER ROOM/SHOWER BENCH**
1 1/2" = 1'-0"

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PROJECT:
NEW PUBLIC WORKS BUILDING & SALT SHED RELOCATION
2290 GILBERTSVILLE ROAD
POTTSTOWN, PA 19464

OWNER:
UPPER POTTSGROVE TOWNSHIP
1409 FARMINGTON AVENUE
POTTSTOWN, PA 19464

PROJECT TEAM:

ARCHITECT:
ALLOY5 ARCHITECTURE

CIVIL:
CHESTER VALLEY ENGINEERS, INC.
112 MOORES ROAD
SUITIE 200
MALVERN, PA 19355
610-644-4623

STRUCTURAL:

MEPF:
PROJECTX DESIGN GROUP
2433 BLUE DRIVE
NAZARETH, PA 18064
610-365-2436

SUBMISSIONS:

NO.	ISSUE DESCRIPTION	DATE
	BID DOCUMENTS	03/31/2025
	PERMIT SET	06/20/25

KEY PLAN:

REGISTRATION:

ALLOY5 ARCHITECTURE
530 WEST BROAD ST BETHLEHEM, PA 18018
610.419.4055

SHEET TITLE:
ENLARGED PLANS & DETAILS

DATE:	03/31/25
SCALE:	As indicated
DRAWN BY:	Author
CHECKED BY:	Checker
PROJ NO:	22-0058

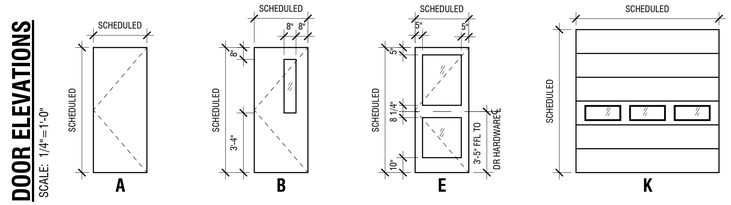
A5.00PW

DOOR & FRAME SCHEDULE - LEVEL 01

DOOR DATA							FRAME DATA							
				SIZE						DETAILS				
NO.	TYPE	MATERIAL	FINISH	WIDTH	HEIGHT	LABEL & RATING	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	HEAD	SILL	JAMB	HARDWARE SET	NOTES
101A	E	HM	PT	3'-0"	7'-0"		1	HM	PT					SEE DOOR NOTE 3
101B	E	HM	PT	3'-0"	7'-0"		1	HM	PT	H1W	S3	J1W		SEE DOOR NOTE 3
102	B	HM	PT	3'-0"	7'-0"		1	HM	PT	H1W	S1	J1W		SEE DOOR NOTE 3
103	B	WD	FAC. STAIN	3'-0"	7'-0"		1	HM	PT	H1W	S3	J1W		SEE DOOR NOTE 4
104	B	WD	FAC. STAIN	3'-0"	7'-0"		1	HM	PT	H1W	S3	J1W		SEE DOOR NOTE 4
105	B	WD	FAC. STAIN	3'-0"	7'-0"		1	HM	PT	H1W	S3	J1W		SEE DOOR NOTE 4
106	A	WD	FAC. STAIN	3'-0"	7'-0"		1	HM	PT	H1W	S1	J1W		SEE DOOR NOTE 5
107	A	WD	FAC. STAIN	3'-0"	7'-0"		1	HM	PT	H1W	S3	J1W		SEE DOOR NOTE 4
108A	A	WD	FAC. STAIN	3'-0"	7'-0"		1	HM	PT	H1W	S2	J1W		SEE DOOR NOTE 2
108B	A	HM	PT	3'-0"	7'-0"		1	HM	PT	H1W	S2	J1W		SEE DOOR NOTE 2
109	A	WD	FAC. STAIN	3'-0"	7'-0"		1	HM	PT	H1W	S1	J1W		SEE DOOR NOTE 4
110	A	WD	FAC. STAIN	3'-0"	7'-0"		1	HM	PT	H1W	S2	J1W		SEE DOOR NOTE 2
111	A	HM	PT	3'-0"	7'-0"		1	HM	PT	H1W		J1W		SEE DOOR NOTE 5
112A	B	HM	PT	3'-0"	7'-0"		1	HM	PT					SEE DOOR NOTE 3
112B	K	STEEL	FAC. FIN.	14'-0"	14'-0"		SEE SPEC	STEEL						SIZE LISTED IS FINISHED OPENING SIZE
112C	K	STEEL	FAC. FIN.	14'-0"	14'-0"		SEE SPEC	STEEL						SIZE LISTED IS FINISHED OPENING SIZE
112D	K	STEEL	FAC. FIN.	14'-0"	14'-0"		SEE SPEC	STEEL						SIZE LISTED IS FINISHED OPENING SIZE
112E	K	STEEL	FAC. FIN.	14'-0"	14'-0"		SEE SPEC	STEEL						SIZE LISTED IS FINISHED OPENING SIZE
112F	B	HM	PT	3'-0"	7'-0"		1	HM	PT					SEE DOOR NOTE 3
113A	B	HM	PT	3'-0"	7'-0"		1	HM	PT					SEE DOOR NOTE 3
113B	B	HM	PT	3'-0"	7'-0"		1	HM	PT	H1W		J1W		SEE DOOR NOTE 4
113C	K	STEEL	FAC. FIN.	14'-2"	16'-0"		SEE SPEC	STEEL						SIZE LISTED IS FINISHED OPENING SIZE

DOOR ELEVATIONS

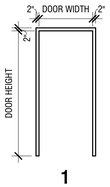
SCALE: 1/4"=1'-0"



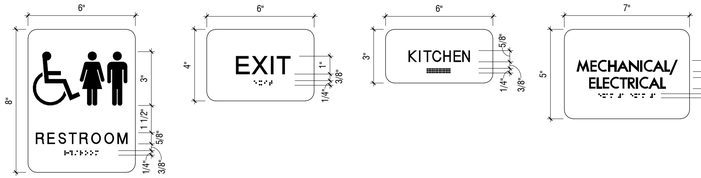
DOOR ELEVATIONS
1/4" = 1'-0"

FRAME ELEVATIONS

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



FRAME ELEVATIONS
1/4" = 1'-0"



SIGN TYPE 01
ACCESSIBLE RESTROOM

SIGN TYPE 02
EXIT ACCESS

SIGN TYPE 03
TYPICAL ROOM SIGN (SINGLE LINE)

SIGN TYPE 04
TYPICAL ROOM SIGN (DOUBLE LINE)

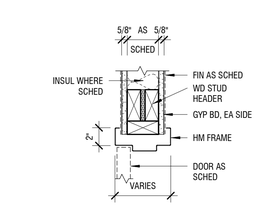
1 **TYPICAL SIGNAGE DETAILS**
3" = 1'-0"

GENERAL DOOR NOTES

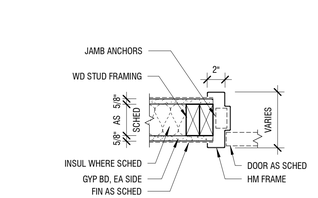
1. ALL HARDWARE TO BE ACCESSIBLE AND COMPLY WITH ANSI A117.1-2009
2. PROVIDE CLOSERS & SMOKE SEALS ON ALL RATED DOORS

DOOR NOTES

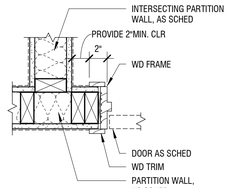
1. ACCESS CONTROLLED DOOR
2. PROVIDE SIGN TYPE 01
3. PROVIDE SIGN TYPE 02
4. PROVIDE SIGN TYPE 03
5. PROVIDE SIGN TYPE 04



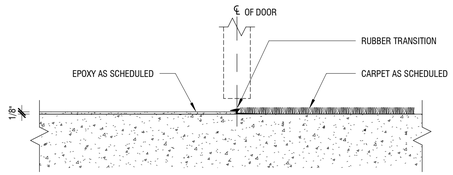
H1W **HEAD**
1 1/2" = 1'-0"



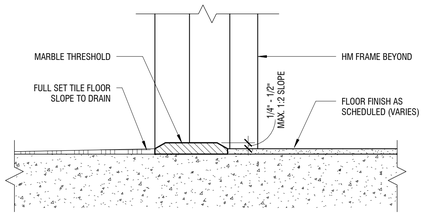
J1W **JAMB**
1 1/2" = 1'-0"



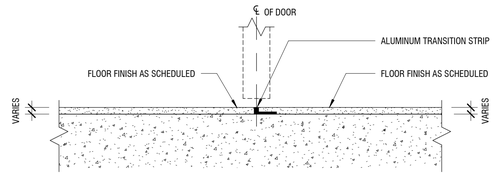
A **TYPICAL HINGE SIDE-WD FRAME**
1 1/2" = 1'-0"



S1 **SILL - EPOXY / CARPET TRANSITION**
3" = 1'-0"



S2 **SILL - TYPICAL MARBLE TRANSITION**
3" = 1'-0"



S3 **SILL - TYPICAL FLOOR TRANSITION**
3" = 1'-0"

3/21/2025 1:45:31 PM ©COPYRIGHT ALLOY5 ARCHITECTURE

PROJECT:

NEW PUBLIC WORKS BUILDING & SALT SHED RELOCATION

2290 GILBERTSVILLE ROAD
POTTSTOWN, PA 19464

OWNER:

UPPER POTTSGROVE TOWNSHIP

1409 FARMINGTON AVENUE
POTTSTOWN, PA 19464

PROJECT TEAM:

ARCHITECT:
ALLOY5
ARCHITECTURE

CIVIL:
CHESTER VALLEY
ENGINEERS, INC.
112 MOORES ROAD
SUITE 200
MALVERN, PA 19355
610-644-4623

STRUCTURAL:

MEPF:
PROJECTX DESIGN GROUP
2433 BLUE DRIVE
NAZARETH, PA 18064
610-365-2436

SUBMISSIONS:

NO.	ISSUE DESCRIPTION	DATE
	BID DOCUMENTS	03/31/2025
	PERMIT SET	06/20/25

KEY PLAN:

REGISTRATION:

ALLOY5
ARCHITECTURE
530 WEST BROAD ST BETHLEHEM, PA 18018
610.419.4055

SHEET TITLE:

DOOR SCHEDULE & DETAILS

DATE:	03/31/25
SCALE:	As indicated
DRAWN BY:	Author
CHECKED BY:	Checker
PROJ NO:	22-0058

A6.00PW

LEGEND

- COLD WATER (CW)
- HOT WATER (HW)
- HOT WATER RECIRCULATION (HWR)
- SOIL / WASTE (S)/(W) BELOW GRADE
- SOIL / WASTE (S)/(W) ABOVE GRADE
- VENT (V)
- EXISTING WORK
- FLOOR CLEANOUT (CO)
- PIPE DROP
- BRANCH (TOP CONNECTION)
- PIPE RISE
- BRANCH (BOTTOM CONNECTION)
- CONTINUATION
- STUB AND CAP
- (E) EXISTING
- CONNECTION

PLUMBING GENERAL NOTES

- SEAL OR CAP OPENINGS IN PIPES UNTIL FINAL CONNECTIONS ARE MADE.
- INSTALL SUFFICIENT UNIONS IN PIPING SYSTEMS TO ALLOW SERVICE OF ANY CONNECTED EQUIPMENT WITHOUT BREAKING FITTINGS OR CUTTING PIPING CONNECTIONS.
- DIMENSIONS AND PIPE SIZES ARE IN INCHES UNLESS NOTED OTHERWISE.
- DO NOT RUN PIPING OVER ELECTRICAL EQUIPMENT.
- CONNECT HW, CW, VENT, SAN & W LINES TO FIXTURES IN ACCORDANCE WITH SIZES INDICATED ON THE PLUMBING FIXTURE SCHEDULE WITH A 2" MINIMUM SIZE FOR SANITARY PIPING BELOW FLOOR.
- SLOPE SANITARY PIPING SIZES 3" AND LARGER 1/8" PER FOOT, AND SMALLER PIPES 1/4" PER FOOT, UNLESS NOTED OTHERWISE.
- PROVIDE GAS SHUTOFF VALVE AND DIRT LEG AT ALL EQUIPMENT CONNECTIONS.
- PROVIDE SHUTOFF VALVES FOR ALL DOMESTIC WATER CONNECTIONS TO FIXTURES AND EQUIPMENT.
- COORDINATE LOCATIONS OF ALL PIPING AND DEVICES BEFORE INSTALLATION, WITH THE WORK OF OTHER TRADES. WHERE A CONFLICT IN CLEARANCES OCCURS, OBTAIN CLARIFICATION FROM THE ENGINEER, ARCHITECT, OR OWNER. INSTALL WHATEVER ADDITIONAL PIPING, FITTINGS, ETC. ARE REQUIRED FOR A COMPLETE SYSTEM AT NO ADDITIONAL COST TO THE CONTRACT.
- TEST INSTALLATIONS IN ACCORDANCE WITH THE APPROPRIATE CODE REQUIREMENTS AS EACH PORTION IS INSTALLED. FLUSH NEW DOMESTIC WATER PIPING UNTIL IT RUNS CLEAR, THEN FILL WITH 50PPM CHLORINE FOR 24 HOURS, THEN PURGE WITH FRESH WATER AND TEST FOR BACTERIAL CONTENT AND REPEAT IF NECESSARY.
- VERIFY MOUNTING HEIGHTS OF EQUIPMENT AND FIXTURES WITH ARCHITECTURAL DRAWINGS, AUTHORITY HAVING JURISDICTION, AND THE OWNER.

PLUMBING FIXTURE SCHEDULE

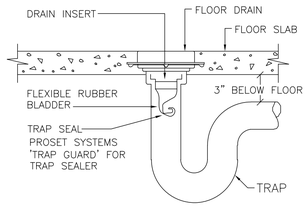
TAG	DESCRIPTION	MANUFACTURER	MODEL	MOUNTING HEIGHT AFF (INCHED)	PIPE SIZES (INCHES)				REMARKS
					CW	HW	VENT	WASTE	
WC–1	WATER CLOSET (ADA) TANK TYPE	AMERICAN STANDARD	2002.014 SEAT 5325.010	FLOOR 17"–19" TO TOP OF SEAT	1/2	–	2	4	
WC–2	WATER CLOSET (ADA) FLUSH VALVE		3043.001 TOTO TET1GA32#CP	FLOOR 17"–19" TO TOP OF SEAT	1	–	2	4	PROVIDE WITH OPEN FRONT SEAT
UR–1	URINAL (ADA) FLUSH VALVE		6590.001 TOTO TEU1UA#CP	WALL MTD – 14"	3/4	–	1–1/2	1–1/2	
L–1	LAVATORY (ADA) & FAUCET		0124.024 SLOAN EAF–250 CROME	WALL MTD – 34"	1/2	1/2	1–1/4	1–1/4	PROVIDE WITH ESD–2000 SLOAN DECK MOUNTED FOAM SOAP DISPENSER
L–2	LAVATORY (ADA) & FAUCET		0476.028 SLOAN EAF–250 CROME	COUNTER TOP	1/2	1/2	1–1/4	1–1/4	PROVIDE WITH ESD–2000 SLOAN DECK MOUNTED FOAM SOAP DISPENSER
S–1	SINK (ADA) FAUCET		18SB.9252211.075 4137.100	COUNTERTOP	1/2	1/2	1–1/4	1–1/2	
SH–1	38x38 FREEDOM ADA SHOWER AND SHOWER VALVE KIT	FREEDOM ADA AMERICAN STD	APFQ3838BF6252 SDR1662.601	FLOOR	1/2	1/2	2	2	INSTALL WITH ALL ADA ACCESSORIES
MB	MOP SERVICE BASIN & FAUCET	FIAT PRODUCTS	MSB 2424 830–AA	FLOOR	3/4	3/4	2	3	
DF–1	WATER COOLER	ELKAY	LZS8WSLKA	FOLLOW THE MANUFACTURERS INSTALLATION INSTRUCTIONS	1/2	–	1–1/4	1–1/4	¼ HP, 115/1ø, PLUG IN
DF–2	SPLIT LEVEL WATER COOLER (ADA)	ELKAY	LZSTL8WSLK	FOLLOW THE MANUFACTURERS INSTALLATION INSTRUCTIONS	1/2	–	1–1/4	1–1/4	¼ HP, 115/1ø, PLUG IN
HB–1	HOSE BIBB	WOODFORD	24P	–	3/4	–	–	–	
WH–1	NON–FREEZE WALL HYDRANT	ZURN	Z1305	–	3/4	–	–	–	

NOTE: COORDINATE MOUNTING HEIGHTS OF WALL MOUNTED FIXTURES WITH ARCHITECTURAL DRAWINGS. PROVIDE ADA WRISTBLADE HANDLES FOR ADA FAUCETS. PROVIDE PREFORMED FIBERGLASS INSULATION AND PVC JACKET FOR EXPOSED DRAINS ON ADA LAVATORIES.

STORAGE WATER HEATER SCHEDULE

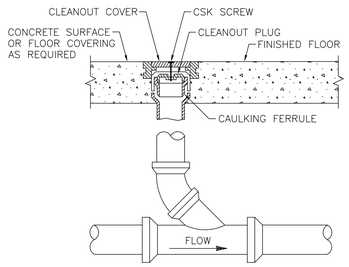
TAG	DESCRIPTION	MANUFACTURER	MODEL	CAPACITY	ELECTRICAL (60 HZ)			
					WATTS	VOLTS/ PHASE	FLA	DISC. SWITCH
SWH–1	STORAGE WATER HEATER	RHEEM	EGSP30	30 GAL, 23 GPH RECOVERY @ 80°F RISE 4.5 KW	4500	240–1	18.8	EC
SWH–2	STORAGE WATER HEATER	RHEEM	ELD80	72 GAL, 30 GPH RECOVERY @ 80°F RISE	6000	240–1	21.0	EC
TMV–1	DOMESTIC WATER THERMAL MIXING VALVE	WATTS	LFMMV*	–	–	–	–	–

*DOMESTIC WATER MIXING VALVE SHALL COMPLY WITH ASSE 1017 AND ASSE 1070 STANDARD



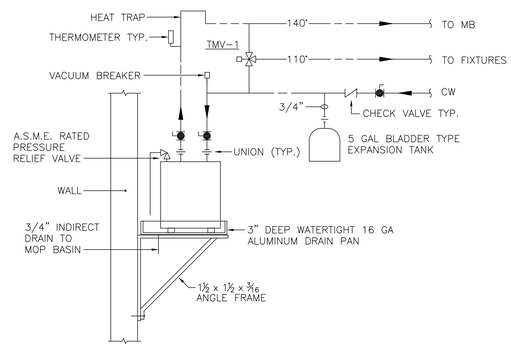
FLOOR DRAIN & TRAP SEALER DETAIL – TYPICAL

NO SCALE



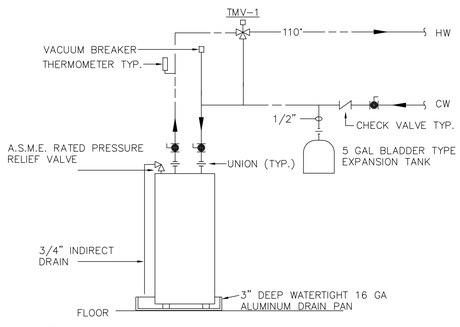
FLOOR CLEANOUT DETAIL– TYPICAL

NO SCALE



SWH–1 ELECTRIC WATER HEATER INSTALLATION DETAIL

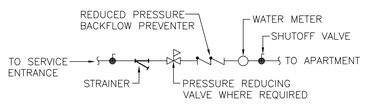
NO SCALE



NOTE: EXTEND 3/4" DRAIN FROM WATER HEATER DRAIN PAN AND TERMINATE OVER A SUITABLY LOCATED INDIRECT WASTE RECEPTOR OR FLOOR DRAIN OR EXTEND TO THE EXTERIOR OF THE BUILDING AND TERMINATE NOT LESS THAN 6 INCHES AND NOT MORE THAN 24 INCHES ABOVE THE ADJACENT GROUND SURFACE. PITCH PIPE 1/4" PER FOOT.

SWH–2 ELECTRIC WATER HEATER INSTALLATION DETAIL

NO SCALE



WATER METER/SERVICE DETAIL – TYPICAL

NO SCALE

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PROJECTX DESIGN GROUP
MEP CONSULTING
2433 BLUE JAY DRIVE
NAZARETH, PA 18064
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EMAIL: RAZGULEA@PROJECTXDG.COM

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER MICHAEL S. RAZGULEA

PROJECT:

ADMINISTRATION AND POLICE DEPARTMENT BUILDING

2280 GILBERTSVILLE ROAD
POTTSTOWN, PA 19464

OWNER:

UPPER POTTSGROVE TOWNSHIP

1409 FARMINGTON AVENUE
POTTSTOWN, PA 19464

PROJECT TEAM:

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PROJECTX DESIGN GROUP
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NAZARETH, PA 18064
610-365-2436

SUBMISSIONS:

NO.	ISSUE DESCRIPTION	DATE
	BID DOCUMENTS	03/28/25
	PERMIT SET	06/20/25

KEY PLAN:

REGISTRATION:

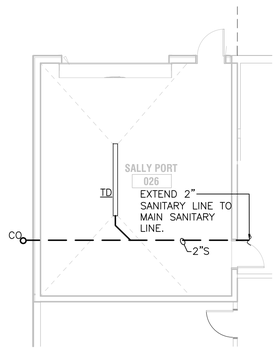
ALLOY5 ARCHITECTURE
530 WEST BROAD ST BETHLEHEM, PA 18018
610.419.4055

SHEET TITLE:

SCHEDULES, NOTES, DETAILS

DATE: 03/31/2025
SCALE: As Indicated
DRAWN BY:
CHECKED BY:
PROJ NO:

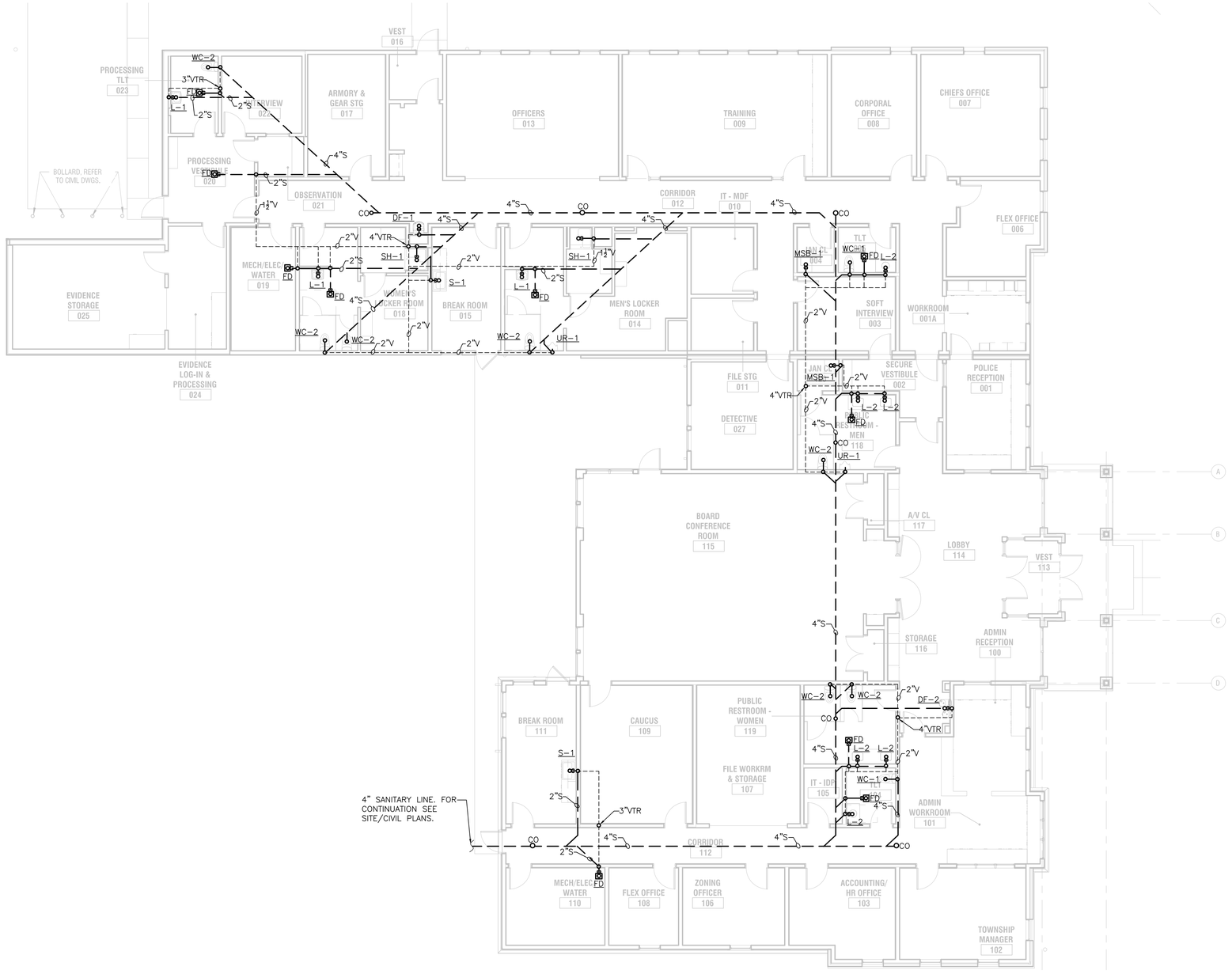
P1.0



TRENCH DRAIN (TD): 4" WIDE FIBERGLASS, 0.6% SLOPE, 10FT SECTIONS, STEEL FRAME, ABT POLYDRAIN, GRATE, ABT#2504.

ALTERNATE SALLY PORT SANITARY PLAN

SCALE: ⅛"= 1'-0"



SANITARY PLAN

SCALE: ⅛"= 1'-0"

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PROJECTX DESIGN GROUP
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NAZARETH, PA 18064
TEL: 610-365-2436, 610-905-1195
EMAIL: RAZGULEA@PROJECTXDG.COM

COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL — MICHAEL S. RASSIK — ENGINEER — PE PE062918

PROJECT:

ADMINISTRATION AND POLICE DEPARTMENT BUILDING

2280 GILBERTSVILLE ROAD
POTTSTOWN, PA 19464

OWNER:

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1409 FARMINGTON AVENUE
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NAZARETH, PA 18064
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PROJECTX DESIGN GROUP
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610-365-2436

SUBMISSIONS:

NO.	ISSUE DESCRIPTION	DATE
	BID DOCUMENTS	03/28/25
	PERMIT SET	06/20/25

KEY PLAN:

REGISTRATION:

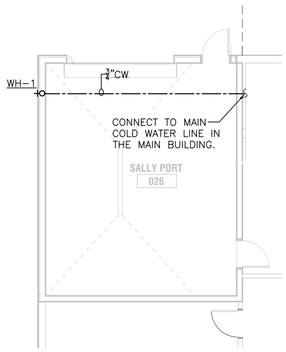
ALLOY5 ARCHITECTURE
530 WEST BROAD ST BETHLEHEM, PA 18018
610.419.4055

SHEET TITLE:

SANITARY PLAN

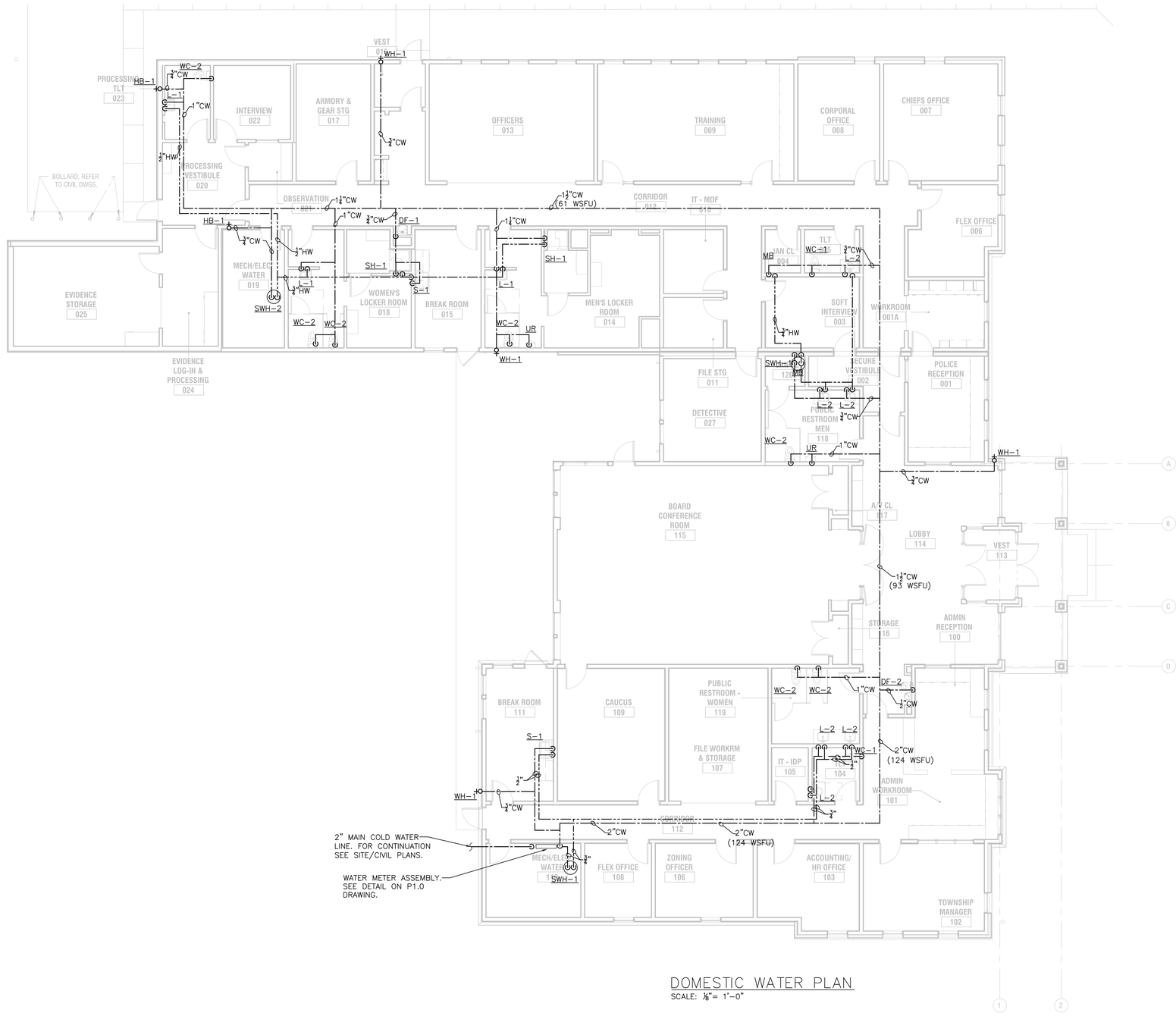
DATE: 03/31/2025
SCALE: As Indicated
DRAWN BY:
CHECKED BY:
PROJ NO:

P2.0



ALTERNATE SALLY PORT DOMESTIC WATER PLAN

SCALE: ⅛" = 1'–0"



DOMESTIC WATER PLAN

SCALE: ⅛"= 1'–0"

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COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL ENGINEER — MICHAEL P. RASSIK — No. PE042618

PROJECT:

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2433 BLUEJAY DRIVE
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610-365-2436

SUBMISSIONS:

NO.	ISSUE DESCRIPTION	DATE
	BID DOCUMENTS	03/28/25
	PERMIT SET	06/20/25

KEY PLAN:

REGISTRATION:

ALLOY5
ARCHITECTURE
530 WEST BROAD ST BETHLEHEM, PA 18018
610.419.4055

SHEET TITLE:

DOMESTIC WATER PLAN

DATE:	03/31/2025
SCALE:	As Indicated
DRAWN BY:	
CHECKED BY:	
PROJ NO:	

P2.1

LEGEND

- COLD WATER (CW)
- HOT WATER (HW)
- HOT WATER RECIRCULATION (HWR)
- SOIL / WASTE (S)/(W) BELOW GRADE
- SOIL / WASTE (S)/(W) ABOVE GRADE
- VENT (V)
- CA — COMPRESSED AIR LINE
- EXISTING WORK
- FLOOR CLEANOUT (CO)
- PIPE DROP
- BRANCH (TOP CONNECTION)
- PIPE RISE
- BRANCH (BOTTOM CONNECTION)
- CONTINUATION
- STUB AND CAP
- (E) EXISTING
- CONNECTION

PLUMBING GENERAL NOTES

- SEAL OR CAP OPENINGS IN PIPES UNTIL FINAL CONNECTIONS ARE MADE.
- INSTALL SUFFICIENT UNIONS IN PIPING SYSTEMS TO ALLOW SERVICE OF ANY CONNECTED EQUIPMENT WITHOUT BREAKING FITTINGS OR CUTTING PIPING CONNECTIONS.
- DIMENSIONS AND PIPE SIZES ARE IN INCHES UNLESS NOTED OTHERWISE.
- DO NOT RUN PIPING OVER ELECTRICAL EQUIPMENT.
- CONNECT HW, CW, VENT, SAN & W LINES TO FIXTURES IN ACCORDANCE WITH SIZES INDICATED ON THE PLUMBING FIXTURE SCHEDULE WITH A 2" MINIMUM SIZE FOR SANITARY PIPING BELOW FLOOR.
- SLOPE SANITARY PIPING SIZES 3" AND LARGER 1/8" PER FOOT, AND SMALLER PIPES 1/4" PER FOOT, UNLESS NOTED OTHERWISE.
- PROVIDE GAS SHUTOFF VALVE AND DIRT LEG AT ALL EQUIPMENT CONNECTIONS.
- PROVIDE SHUTOFF VALVES FOR ALL DOMESTIC WATER CONNECTIONS TO FIXTURES AND EQUIPMENT.
- COORDINATE LOCATIONS OF ALL PIPING AND DEVICES BEFORE INSTALLATION, WITH THE WORK OF OTHER TRADES. WHERE A CONFLICT IN CLEARANCES OCCURS, OBTAIN CLARIFICATION FROM THE ENGINEER, ARCHITECT, OR OWNER. INSTALL WHATEVER ADDITIONAL PIPING, FITTINGS, ETC. ARE REQUIRED FOR A COMPLETE SYSTEM AT NO ADDITIONAL COST TO THE CONTRACT.
- TEST INSTALLATIONS IN ACCORDANCE WITH THE APPROPRIATE CODE REQUIREMENTS AS EACH PORTION IS INSTALLED. FLUSH NEW DOMESTIC WATER PIPING UNTIL IT RUNS CLEAR, THEN FILL WITH 50PPM CHLORINE FOR 24 HOURS, THEN PURGE WITH FRESH WATER AND TEST FOR BACTERIAL CONTENT AND REPEAT IF NECESSARY.
- VERIFY MOUNTING HEIGHTS OF EQUIPMENT AND FIXTURES WITH ARCHITECTURAL DRAWINGS, AUTHORITY HAVING JURISDICTION, AND THE OWNER.

PLUMBING FIXTURE SCHEDULE

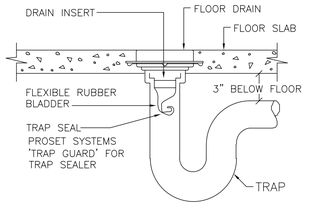
TAG	DESCRIPTION	MANUFACTURER	MODEL	MOUNTING HEIGHT AFF (INCHED)	PIPE SIZES (INCHES)				REMARKS
					CW	HW	VENT	WASTE	
WC-1	WATER CLOSET (ADA) TANK TYPE	AMERICAN STANDARD	2002.014 SEAT 5325.010	FLOOR 17"-19" TO TOP OF SEAT	1/2	–	2	4	
L-1	LAVATORY (ADA) & FAUCET		0124.024 2175.504	WALL MTD – 34"	1/2	1/2	1-1/4	1-1/4	
S-1	SINK (ADA) FAUCET		18SB.9252211.075 4137.100	COUNTERTOP	1/2	1/2	1-1/4	1-1/2	
SH-1	38x38 FREEDOM ADA SHOWER AND SHOWER VALVE KIT	FREEDOM ADA AMERICAN STD	APFQ3838BF6252 SDR1662.601	FLOOR	1/2	1/2	2	2	INSTALL WITH ALL ADA ACCESSORIES
MB	MOP SERVICE BASIN & FAUCET	FIAT PRODUCTS	MSB 2424 830-AA	FLOOR	3/4	3/4	2	3	
DF-1	WATER COOLER	ELKAY	LZS8WSLKA	FOLLOW THE MANUFACTURERS INSTALLATION INSTRUCTIONS	1/2	–	1-1/4	1-1/4	¼ HP, 115/1ø, PLUG IN
SS-1	SERVICE SINK & FAUCET	FIAT PRODUCTS	SF-1-F A-1	FLOOR	1/2	1/2	1-1/2	1-1/2	
WH-1	NON-FREEZE WALL HYDRANT	ZURN	Z1305	–	3/4	–	–	–	
HB-1	HOSE BIBB	WOODFORD	24P	–	3/4	–	–	–	

NOTE: COORDINATE MOUNTING HEIGHTS OF WALL MOUNTED FIXTURES WITH ARCHITECTURAL DRAWINGS. PROVIDE ADA WRISTBLADE HANDLES FOR ADA FAUCETS. PROVIDE PREFORMED FIBERGLASS INSULATION AND PVC JACKET FOR EXPOSED DRAINS ON ADA LAVATORIES.

STORAGE WATER HEATER SCHEDULE

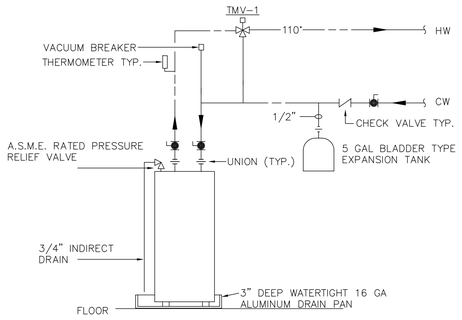
TAG	DESCRIPTION	MANUFACTURER	MODEL	CAPACITY	ELECTRICAL (60 HZ)			
					WATTS	VOLTS/ PHASE	FLA	DISC. SWITCH
SWH-1	STORAGE WATER HEATER	RHEEM	ELD80	72 GAL, 24 GPH RECOVERY @ 80°F RISE	4500	240-1	–	EC
TMV-1	DOMESTIC WATER THERMAL MIXING VALVE	WATTS	LFMMV*	–	–	–	–	–

*DOMESTIC WATER MIXING VALVE SHALL COMPLY WITH ASSE 1017 AND ASSE 1070 STANDARD



FLOOR DRAIN & TRAP SEALER DETAIL – TYPICAL

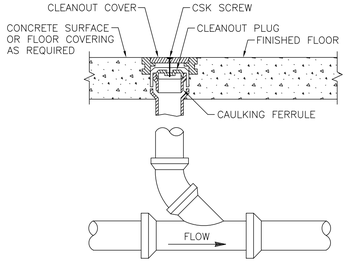
NO SCALE



NOTE: EXTEND 3/4" DRAIN FROM WATER HEATER DRAIN PAN AND TERMINATE OVER A SUITABLY LOCATED INDIRECT WASTE RECEPTOR OR FLOOR DRAIN OR EXTEND TO THE EXTERIOR OF THE BUILDING AND TERMINATE NOT LESS THAN 6 INCHES AND NOT MORE THAN 24 INCHES ABOVE THE ADJACENT GROUND SURFACE. PITCH PIPE 1/4" PER FOOT.

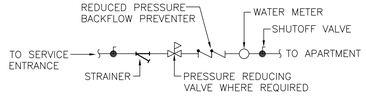
ELECTRIC WATER HEATER INSTALLATION DETAIL

NO SCALE



FLOOR CLEANOUT DETAIL– TYPICAL

NO SCALE



WATER METER/SERVICE DETAIL – TYPICAL

NO SCALE

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PROJECT

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2290 GILBERTSVILLE ROAD
POTTSTOWN, PA 19464

OWNER

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SUBMISSIONS

NO.	ISSUE DESCRIPTION	DATE
	PERMIT SET	06/20/25

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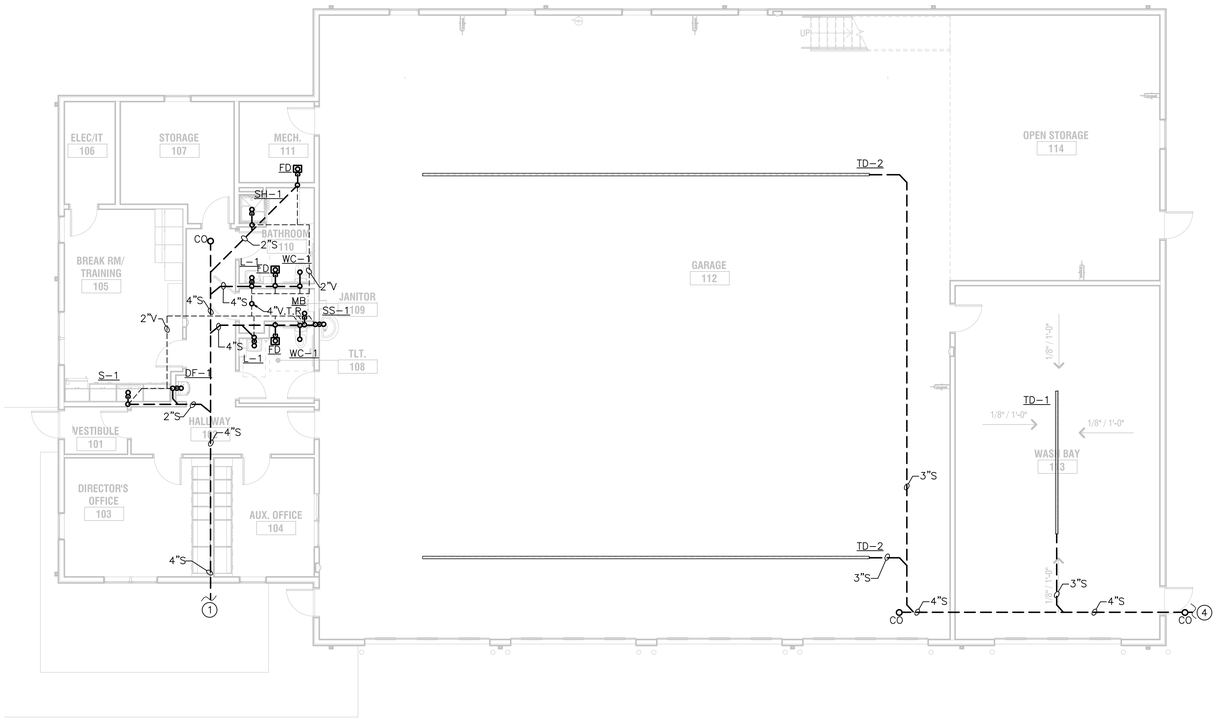
610.419.4055

SHEET TITLE

SCHEDULES, NOTES, DETAILS

DATE	03/31/25
SCALE	AS NOTED
DRAWN BY	
CHECKED BY	
JOB NO.	

P1.0PW

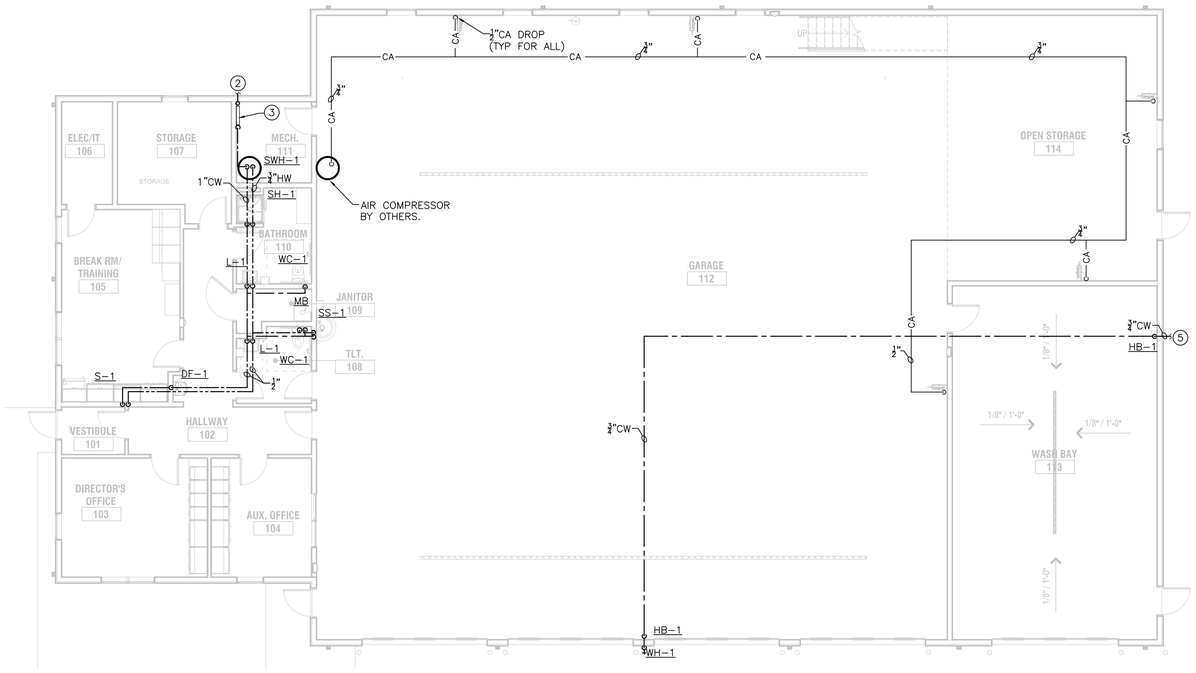


KEY NOTES

1. 4" SANITARY SEWER LINE. FOR CONTINUATION SEE SITE/CIVIL PLAN
2. 1¼" COLD WATER LINE. FOR CONTINUATION SEE SITE/CIVIL PLAN
3. WATER METER ASSEMBLY. SEE DETAIL ON WP1.0 DRAWING.
4. 4" SANITARY LINE TO HOLDING TANK BY OTHERS. FOR CONTINUATION SEE SITE/CIVIL PLAN
5. ¾" COLD WATER LINE FROM THE EXISTING WELL. FOR CONTINUATION SEE SITE/CIVIL PLAN

SANITARY PLAN

SCALE: ⅛" = 1'-0"



DOMESTIC WATER PLAN

SCALE: ⅛" = 1'-0"

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PROJECT

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	PERMIT SET	06/20/25

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SHEET TITLE

PLUMBING PLAN

DATE	03/31/25
SCALE	AS NOTED
DRAWN BY	
CHECKED BY	
JOB NO.	

P2.0PW

LG

MULTI

UPT Admin(ver 1.8.12.5)

System Tree Diagram

System Name: HP-1

Date: 05/05/2023

System No : 1/12

HP-1

Two pipe : Liquid : Gas

Thermostat, Group Control, Dry Contact

Indoor Units : 1 of 1
Combination Ratio : 36.0 of 36.0 (100%)
Total Pipe : 30 of 243 ft

LG

MULTI

UPT Admin(ver 1.8.12.5)

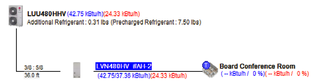
System Tree Diagram

System Name: HP-2

Date: 05/05/2023

System No : 2/12

HP-2



Two pipe : Liquid : Gas

Thermostat, Group Control, Dry Contact

Indoor Units : 1 of 1
Combination Ratio : 48.0 of 48.0 (100%)
Total Pipe : 36 of 243 ft

LG

MULTI

UPT Admin(ver 1.8.12.5)

System Tree Diagram

System Name: HP-3

Date: 05/05/2023

System No : 3/12

HP-3

Two pipe : Liquid : Gas

Thermostat, Group Control, Dry Contact

Indoor Units : 1 of 1
Combination Ratio : 24.0 of 24.0 (100%)
Total Pipe : 45 of 164 ft

LG

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UPT Admin(ver 1.8.12.5)

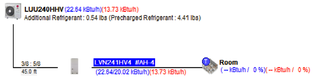
System Tree Diagram

System Name: HP-4

Date: 05/05/2023

System No : 4/12

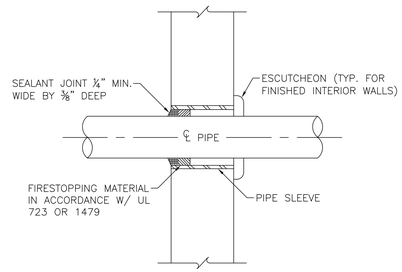
HP-4



Two pipe : Liquid : Gas

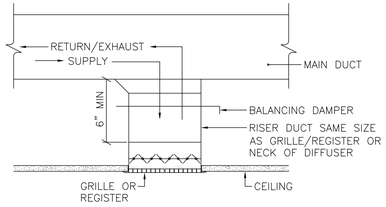
Thermostat, Group Control, Dry Contact

Indoor Units : 1 of 1
Combination Ratio : 24.0 of 24.0 (100%)
Total Pipe : 45 of 164 ft



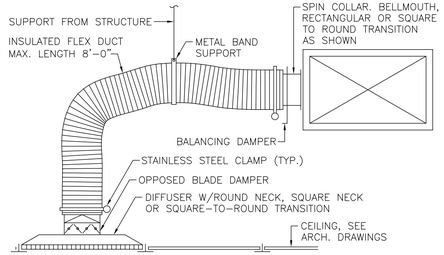
WALL OR FLOOR PENETRATION DETAIL – TYPICAL

NO SCALE



GRILLE OR REGISTER CONNECTION DETAIL – TYPICAL

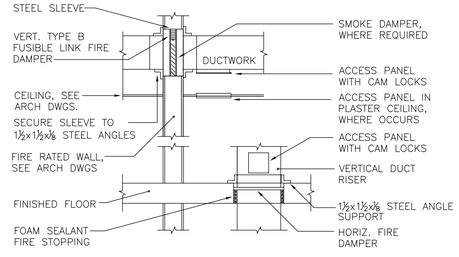
NO SCALE



NOTE: FOR RUNS LONGER THAN 8FT, PROVIDE 8 FT OF FLEXIBLE DUCT AND RIGID ROUND DUCT OF THE SAME DIAMETER FOR THE REMAINING LENGTH

SUPPLY AIR DIFFUSER DETAIL – TYPICAL

NO SCALE



NOTES:

1. FIRE DAMPER MINIMUM RATING SHALL MATCH THE FIRE RATING OF THE PARTITION WHERE IT IS INSTALLED. FOR ALL PARTITION FIRE RATING SEE THE ARCHITECTURAL DRAWINGS.
2. ACCESS DOORS SHALL BE PERMANENTLY IDENTIFIED ON THE EXTERIOR BY A LABEL HAVING LETTERS NOT LESS THAN 1/2 INCH IN HEIGHT READING: FIRE DAMPER PER IMC SECTION 607.4.

FIRE DAMPER INSTALLATION DETAIL – TYPICAL

NO SCALE

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	BID DOCUMENTS	03/28/25
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KEY PLAN:

REGISTRATION:

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SHEET TITLE:

MECHANICAL DETAILS

DATE: 03/31/2025
SCALE: As Indicated
DRAWN BY:
CHECKED BY:
PROJ NO:

M1.1

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LG

MULTI

UPT Admin(ver 1.8.12.5)

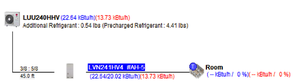
System Tree Diagram

System Name: HP-5

System No : 5/12

Date: 05/05/2023

HP-5



Two pipe : Liquid : Gas

Thermostat, Group Control, Dry Contact

Indoor Units	**: 1 of 1**
Combination Ratio	**: 24.0 of 24.0 (100%)**
Total Pipe	**: 45 of 164 ft**

LG

MULTI

UPT Admin(ver 1.8.12.5)

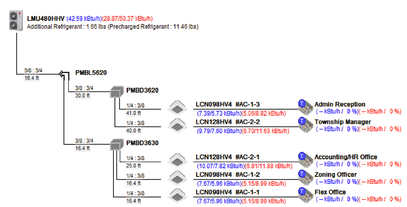
System Tree Diagram

System Name: HP-6

System No : 6/12

Date: 05/05/2023

HP-6



Two pipe : Liquid : Gas

Thermostat, Group Control, Dry Contact

Indoor Units	**: 5 of 8**
Combination Ratio	**: 51.0 of 48.0 (106%)**
Total Pipe	**: 291 of 476 ft**

LG

MULTI

UPT Admin(ver 1.8.12.5)

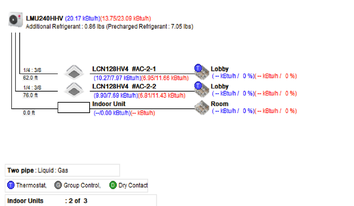
System Tree Diagram

System Name: HP-7

System No : 7/12

Date: 05/05/2023

HP-7



Two pipe : Liquid : Gas

Thermostat, Group Control, Dry Contact

Indoor Units	**: 2 of 3**
Combination Ratio	**: 24.0 of 24.0 (100%)**
Total Pipe	**: 138 of 246 ft**

Please refer to the Product Data Book for maximum heating capacity.

LG

MULTI

UPT Admin(ver 1.8.12.5)

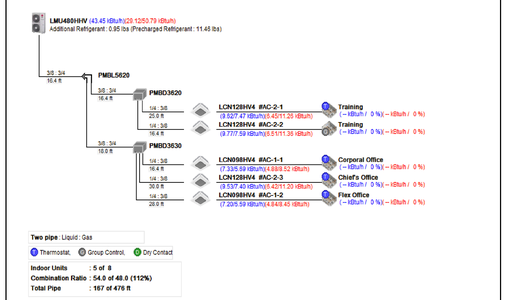
System Tree Diagram

System Name: HP-8

System No : 8/12

Date: 05/05/2023

HP-8



Two pipe : Liquid : Gas

Thermostat, Group Control, Dry Contact

Indoor Units	**: 5 of 8**
Combination Ratio	**: 54.0 of 48.0 (112%)**
Total Pipe	**: 167 of 476 ft**

LG

MULTI

UPT Admin(ver 1.8.12.5)

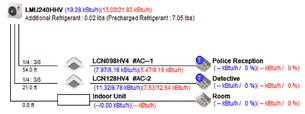
System Tree Diagram

System Name: HP-9

System No : 9/12

Date: 05/05/2023

HP-9



Two pipe : Liquid : Gas

Thermostat, Group Control, Dry Contact

Indoor Units	**: 2 of 3**
Combination Ratio	**: 21.0 of 24.0 (88%)**
Total Pipe	**: 75 of 246 ft**

Please refer to the Product Data Book for maximum heating capacity.

LG

MULTI

UPT Admin(ver 1.8.12.5)

System Tree Diagram

System Name: HP-10

System No : 10/12

Date: 05/05/2023

HP-10

Two pipe : Liquid : Gas

Thermostat, Group Control, Dry Contact

Indoor Units	**: 1 of 1**
Combination Ratio	**: 12.0 of 12.0 (100%)**
Total Pipe	**: 44 of 66 ft**

LG

MULTI

UPT Admin(ver 1.8.12.5)

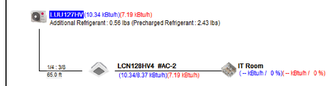
System Tree Diagram

System Name: HP-11

System No : 11/12

Date: 05/05/2023

HP-11



Two pipe : Liquid : Gas

Thermostat, Group Control, Dry Contact

Indoor Units	**: 1 of 1**
Combination Ratio	**: 12.0 of 12.0 (100%)**
Total Pipe	**: 65 of 66 ft**

LG

MULTI

UPT Admin(ver 1.8.12.5)

System Tree Diagram

System Name: HP-12

System No : 12/12

Date: 05/05/2023

HP-12

Two pipe : Liquid : Gas

Thermostat, Group Control, Dry Contact

Indoor Units	**: 1 of 1**
Combination Ratio	**: 12.0 of 12.0 (100%)**
Total Pipe	**: 30 of 66 ft**

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KEY PLAN:

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SHEET TITLE:

MECHANICAL DETAILS

DATE: 03/31/2025

SCALE: As Indicated

DRAWN BY:

CHECKED BY:

PROJ NO:

M1.2

MECHANICAL ABBREVIATIONS

AB	ABOVE	LF	LINEAR FEET
AFF	ABOVE FINISHED FLOOR	LB, #	POUNDS
AFG	ABOVE FINISHED GRADE	LDB	LEAVING DRY BULB TEMP.
AHJ	AUTHORITY HAVING JURISDICTION	LWB	LEAVING WET BULB TEMP.
ARCH	ARCHITECTURAL	LWT	LEAVING WATER TEMP.
BDD	BACK DRAFT DAMPER	MAX	MAXIMUM
BEL	BELOW	MBH	THOUSAND BTU PER HOUR
BF	BELOW FLOOR	MC	MECHANICAL CONTRACTOR
BJ	BETWEEN JOISTS	MCA	MINIMUM CIRCUIT AMPACITY
BOD	BOTTOM OF DUCT	MOD	MOTOR OPERATED DAMPER
BTM	BOTTOM	MFR	MANUFACTURER
BTU	BRITISH THERMAL UNIT	MIN	MINIMUM
CD	CEILING DIFFUSER	MTD, MTG	MOUNTED, MOUNTING
CFM	CUBIC FEET PER MINUTE	NC	NOISE CRITERIA
CLG	CEILING	NIC	NOT IN CONTRACT
CO	CLEANOUT	OA	OUTSIDE AIR
CONN	CONNECT/CONNECTION	OAC	OPEN ABOVE CEILING
CONT	CONTINUED/CONTINUATION	OAI	OUTSIDE AIR INTAKE
COORD	COORDINATE	OC	ON CENTER
CW	DOMESTIC COLD WATER	PC	PLUMBING CONTRACTOR
DB	DRY BULB	PH	PHASE
DEG, °	DEGREE	PRV	PRESSURE REDUCING VALVE/ PRESSURE RELIEF VENT
DIA, ø	DIAMETER	PSI	POUNDS PER SQUARE INCH
DISC	DISCONNECT	RA	RETURN AIR
DN	DOWN	RD	ROOF DRAIN
DWG	DRAWING	RG	RETURN GRILLE
EA	EXHAUST AIR	RPM	REVOLUTIONS PER MINUTE
EAT	ENTERING AIR TEMP.	RWC	RAINWATER CONDUCTOR
EC	ELECTRICAL CONTRACTOR	S	STORMWATER
EDB	ENTERING DRY BULB TEMP.	S&C	STUB AND CAP
EF	EXHAUST FAN	SA	SUPPLY AIR
ER	EXHAUST REGISTER	SAN	SANITARY
ESP	EXTERNAL STATIC PRESSURE	SF	SQUARE FEET
EWB	ENTERING WET BULB TEMP.	SPEC	SPECIFICATIONS
EWT	ENTERING WATER TEMP.	SR	SUPPLY REGISTER
EX	EXISTING	TD	TRANSFER DUCT
FD	FIRE DAMPER/FLOOR DRAIN	TEMP	TEMPERATURE
FLA	FULL LOAD AMPERES	TG	TRANSFER GRILLE
FLEX	FLEXIBLE	THRU	THROUGH
FPM	FEET PER MINUTE	TJ	THROUGH JOISTS
FT	FOOT/FEET/FIN TUBE	TSP	TOTAL STATIC PRESSURE
FT HD	FEET OF HEAD	TSTAT	THERMOSTAT
GA	GAUGE/GAGE	TYP	TYPICAL
GAL	GALLON	UNO	UNLESS NOTED OTHERWISE
GC	GENERAL CONTRACTOR	VAV	VARIABLE AIR VOLUME
GPH	GALLONS PER HOUR	VD	VOLUME DAMPER (MANUAL)
GPM	GALLONS PER MINUTE	VFD	VARIABLE FREQUENCY DRIVE
HC	HVAC CONTRACTOR	VTR	VENT THROUGH ROOF
HORZ	HORIZONTAL	W	WATTS/WASTE
HP	HORSE POWER	W/	WITH
HSTAT	HUMIDISTAT	W/O	WITHOUT
ID	INSIDE DIAMETER	WB	WET BULB
IN, "	INCH	WL	WEATHER LOUVER
INS	INSULATION	WPD	WATER PRESSURE DROP
INV	INVERT	WTD	WATER TEMP. DROP
ISP	INTERNAL STATIC PRESSURE	WTR	WATER TEMP. RISE
IWG	INCHES WATER GAUGE	XFMR	TRANSFORMER
LAT	LEAVING AIR TEMP.		

LEGEND

- CEILING SUPPLY AIR DIFFUSER 24/24
- CEILING SUPPLY AIR DIFFUSER 12/12
- CEILING RETURN AIR GRILLE 24/24
- (T) THERMOSTAT
- (S) DUCT MOUNTED SMOKE DETECTOR
- (CO) CARBON MONOXIDE SENSOR
- NEW DUCTWORK
- VD VOLUME DAMPER
- AxB A, INCHES, SIDE OF DUCT SHOWING
- CD SUPPLY AIR DIFFUSER
- RG RETURN AIR GRILLE
- TR TOP REGISTER
- FD FIRE DAMPER
- SD SMOKE DAMPER
- FSD FIRE / SMOKE DAMPER
- BD BACKDRAFT DAMPER
- (E) EXISTING
- (R) RELOCATE
- (N) NEW
- CONNECTION
- M MOTORIZED DAMPER

MECHANICAL GENERAL NOTES

- ALL WORK SHOWN IS TO BE CONSIDERED NEW AND PROVIDED UNDER THIS CONTRACT UNLESS SPECIFICALLY INDICATED AS EXISTING.
- CONNECT ALL DUCTS TO MECHANICAL EQUIPMENT BY FLEXIBLE DUCT CONNECTORS WITH NOT LESS THAN 3"SPACING BETWEEN DUCT AND EQUIPMENT.
- CONSTRUCT AND INSTALL ALL DUCTWORK IN ACCORDANCE WITH SMACNA.
- ALL DUCT DIMENSIONS ARE INSIDE DIMENSIONS.
- INSTALL DUCT MOUNTED SMOKE DETECTOR(S) IN THE RETURN AIR STREAM OF AIR SYSTEMS OVER 2000 CFM, PER MANUFACTURER'S RECOMMENDATIONS, DOWNSTREAM OF ALL BRANCH CONNECTIONS, UPSTREAM OF ANY OUTSIDE AIR CONNECTIONS OR FILTERS, AND PROVIDE WIRING FOR FAN SHUTDOWN. DETECTOR IS TO BE FURNISHED AND CONNECTED TO THE FIRE ALARM SYSTEM BY OTHERS.
- PROVIDE FUSIBLE LINK FIRE DAMPERS AT ALL DUCT PENETRATIONS OR GRILLE OPENINGS IN FIRE RATED WALLS OR FLOORS. PROVIDE DUCT ACCESS PANELS FOR ALL FIRE DAMPERS.
- INSTALL DUCTWORK, EQUIPMENT, AND PIPING CONCEALED IN CHASES OR ABOVE CEILINGS WHERE CEILINGS ARE INDICATED, UNLESS NOTED OTHERWISE. WHERE DUCTWORK OR PIPING IS INDICATED TO BE EXPOSED, INSTALL AS HIGH AS POSSIBLE. ELEVATIONS SHOWN ARE TO THE LOWEST POINT, UNLESS NOTED OTHERWISE.
- WALL MOUNTED THERMOSTATS (TOP OF THE HIGHEST OPERABLE PART) SHALL BE INSTALLED 48" ABOVE THE FLOOR AND HANDICAPPED ACCESSIBLE.
- PROVIDE 4" THICK CONCRETE PADS FOR EQUIPMENT INSTALLED ON FLOORS OR ON GRADE, 6" LARGER THAN THE EQUIPMENT ON ALL SIDES.
- SEAL OR CAP OPENINGS IN PIPES OR DUCTS UNTIL FINAL CONNECTIONS ARE MADE.
- INSTALL SUFFICIENT UNIONS IN PIPING SYSTEMS TO ALLOW SERVICE OF ANY CONNECTED EQUIPMENT WITHOUT BREAKING FITTINGS OR CUTTING PIPING CONNECTIONS.
- DIMENSIONS AND PIPE SIZES ARE IN INCHES UNLESS NOTED OTHERWISE.
- RUNOUTS TO EQUIPMENT SHALL BE RUN IN SIZES INDICATED ON PLANS OR SCHEDULES AND INCREASED OR REDUCED AT POINT OF FINAL CONNECTION.
- DO NOT RUN PIPING OR DUCTWORK OVER ELECTRICAL EQUIPMENT.
- PROVIDE SUFFICIENT CLEARANCE FOR OPERATION AND MAINTENANCE OF MECHANICAL EQUIPMENT ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE SERVICE CLEARANCE FOR ELECTRICAL EQUIPMENT AS REQUIRED BY THE NATIONAL ELECTRICAL CODE (NEC).
- COORDINATE LOCATIONS OF ALL PIPING, DUCTWORK, EQUIPMENT AND DEVICES BEFORE INSTALLATION, WITH THE WORK OF OTHER TRADES. WHERE A CONFLICT IN CLEARANCES OCCURS, OBTAIN CLARIFICATION FROM THE ENGINEER ,ARCHITECT, OR OWNER. INSTALL WHATEVER ADDITIONAL PIPING, DUCTWORK AND FITTINGS, ETC. THAT ARE REQUIRED FOR A COMPLETE SYSTEM AT NO ADDITIONAL COST TO THE CONTRACT..
- PROVIDE CONDENSATE DRAINS WITH P-TRAPS FOR AIR HANDLING UNITS WITH COOLING COILS. DISCHARGE CONDENSATE TO ROOF, GRADE, OR INDIRECT WASTE.
- VERIFY MOUNTING HEIGHTS OF EQUIPMENT AND FIXTURES WITH ARCHITECTURAL DRAWINGS, AUTHORITY HAVING JURISDICTION AND THE OWNER.

ELECTRIC UNIT HEATER SCHEDULE

TAG	WATT	VOLTS/ PHASE	QMARK MODEL	DISC. SWITCH	ACCESSORIES/REMARKS
UH-1 UH-2	3000	240-1	MUH03-81	MFR	THERMOSTAT, MOUNTING BRACKET

WALL UNIT HEATER SCHEDULE

TAG	KW	VOLTS/ PHASE	QMARK MODEL	DISC. SWITCH	ACCESSORIES/REMARKS
EH-1	1.5	120/1	AWH3150F	MFR	INTEGRAL THERMOSTAT

CEILING DIFFUSER SCHEDULE

CFM	NECK SIZE	MAX NC	THROW (FT) MAX. (50 FPM)-MIN. (100 FPM)			
			4-WAY	3-WAY	2-WAY	1-WAY
0-125	6ø	30	6-3	6/7 - 3/4	9-4	12-6
126-250	8ø	25	9-5	9/12 - 5/7	14-7	18-9
251-400	10ø	25	12-6	12/15 - 6/7	15-8	18-9
401-600	12ø	25	13-6	13/18 - 6/8	18-8	19-9
601-900	14ø	25	13-6	13/18 - 6/8	18-8	19-9

GRILLE, REGISTER & DIFFUSER KEY

CD 0x0 000
(1) (2) (3)

NOTES
(1) ABBREVIATION FOR GRILLE, REGISTER OR DIFFUSER.
(2) NECK SIZE, SEE GRILLE, REGISTER, OR DIFFUSER SCHEDULE WHERE OMITTED.
(3) BALANCE AIRFLOW, SEE PLANS FOR AIRFLOW DIRECTION(S)

RETURN/EXHAUST GRILLE

CFM	SIZE	APD	NC
0-100	12X12	0.10	30
101-150	12X12	0.10	30
151-250	12x12	0.08	30
251-400	12x12	0.08	25
401-600	18x18	0.08	25
601-900	18x18	0.08	25
901-2000	24x24	0.10	30

DIFFUSER, REGISTER AND GRILLE SCHEDULE

TYPE	DESCRIPTION
"CD"	ALUMINUM CONSTRUCTION, SURFACE OR LAY-IN MOUNT, ROUND NECK CEILING DIFFUSER WITH REMOVABLE INNER CONE ASSEMBLY AND ADJUSTABLE VANES FOR CHANGING AIRFLOW DISCHARGE. PROVIDE WITH STANDARD WHITE FINISH AND MODEL #D-75 OPPOSED BLADE DAMPER AND MODEL "SB" SECTORING BAFFLE FOR AIRFLOW OTHER THAN 4-WAY BLOW. TITUS MODEL #TMS-AA OR APPROVED EQUIVALENT.
"RG" "EG"	ALUMINUM CONSTRUCTION RETURN AIR GRILLE WITH BLADES ON 3/4" CENTER, PARALLEL TO THE LONG DIMENSION AND SET AT 35 DEGREES. PROVIDE WITH STANDARD WHITE FINISH, LAY-IN BORDER FOR INSTALLATION IN CEILING OR SURFACE MOUNT BORDER SUITABLE FOR INSTALLATION IN DRYWALL TYPE CEILING. TITUS MODEL #350-FL OR APPROVED EQUIVALENT.

HEATING AND COOLING UNIT SCHEDULE

TAG	DESCRIPTION	MFR	MODEL	TOTAL (CFM)	COOLING	HEATING	WEIGHT (LBS)				REMARKS
					TMBH	OUTPUT MBH		MCA	MOCP	VOLTS PHASE	
AC-1 AC-1-1 AC-1-2 AC-1-3	AIR HANDLING UNIT	LG	LCN098HV4	230-300	9.0	10.4	29	0.25	-	208-230/1	PROVIDE WITH WIRED REMOTE CONTROLLER MODEL "PREMTB100"
AC-2 AC-2-1 AC-2-2 AC-2-3	AIR HANDLING UNIT	LG	LCN128HV4	247-335	12.0	13.8	29	0.25	-	208-230/1	PROVIDE WITH WIRED REMOTE CONTROLLER MODEL "PREMTB100"
AH-1 HP-1	AIR HANDLING UNIT HEAT PUMP UNIT	LG	LVN361HV4 LUU360HHV	1200 -	33.0	37.5	122 198	32.0	40.0	208-230/1	PROVIDE WITH WIRED REMOTE CONTROLLER MODEL "PREMTB100"
AH-2 HP-2	AIR HANDLING UNIT HEAT PUMP UNIT	LG	LVN480HV LUU480HHV	1600	48.0	50.0	158.7 203	32.0	40.0	208-230/1	PROVIDE WITH WIRED REMOTE CONTROLLER MODEL "PREMTB100"
AH-3/HP-3 AH-4/HP-4 AH-5/HP-5	AIR HANDLING UNIT HEAT PUMP UNIT	LG	LVN241HV4 LUU240HHV	800 -	24.0	30.0	116 133	22.0	30.0	208-230/1	PROVIDE WITH WIRED REMOTE CONTROLLER MODEL "PREMTB100"
HP-6 HP-8	HEAT PUMP UNIT	LG	LMU480HHV	-	48.0	54.0	218	32.7	40.0	208-230/1	
HP-7 HP-9	HEAT PUMP UNIT	LG	LMU240HHV	-	24.0	26.0	152	19.0	30.0	208-230/1	
AC-10/HP-10 AC-11/HP-11 AC-12/HP-12	AIR HANDLING UNIT HEAT PUMP UNIT	LG	LCN128HV4 LUU127HV	-	11.1	14.0	31 82	12.3	15	208-230/1	PROVIDE WITH WIRED REMOTE CONTROLLER MODEL "PREMTB100"

LG BASIS OF DESIGN EQUIPMENT SELECTIONS PROVIDED BY MICHAEL MECCHI, MEIER SUPPLY CO., INC.
FOR LG EQUIPMENT PRICING CONTACT MICHAEL MECCHI @ MMECCHI@MEIERSUPPLY.COM (610-674-3326)

VENTILATION SCHEDULE PER TABLE 403.3.1.1

ROOM NAME	AREA (SQUARE FEET)	REQUIRED OA (CFM)	PROVIDED OA (CFM)
OFFICE 101	125	12.5	22.5
OFFICE 102	230	18.5	50
OFFICE 103	180	15.8	50
OFFICE 106	150	14.0	25
OFFICE 108	100	11.0	25
CORRIDOR 112	580	34.8	45
BOARD/CONF 115	1200	272	300
LOBBY 114	580	34.8	100
RECEPTION 001	170	15.2	25
WORK RM 001A	120	12.2	18.75
DETECTIVE 027	200	17.0	50
INTERVIEW 002	140	13.4	15.0
OFFICE 006	160	14.6	25
OFFICE 007	290	27.4	50
OFFICE 008	200	22	25
TRAINING 009	480	78.8	100
OFFICERS 013	400	74.0	100
STORAGE 025	300	18	54
INTERVIEW 022	125	12.5	27
STORAGE 017	200	12	18
BREAK RM 015	160	9.6	27

SUPPLY AIR FAN SCHEDULE

TAG	TYPE	CFM	SP (IN WC)	RPM	HP (WATTS)	VOLTS PHASE	DRIVE	ROOF OPENING	DAMPER SIZE	FAN SIZE LxWxH	GREENHECK MODEL	ACCESSORIES
SF-1,2	INLINE	175	0.25	1050	(80)	120/1	D	-	-	14x12x12	CSP-A290	BDD, BRICK VENT BVE-157
SF-3	INLINE	150	0.25	1400	(48)	120/1	D	-	-	14x11x11	CSP-A190	BDD, BRICK VENT BVE-157

EXHAUST FAN SCHEDULE

TAG	TYPE	CFM	SP (IN WC)	RPM	HP (WATTS)	VOLTS PHASE	DRIVE	ROOF OPENING	DAMPER SIZE	FAN SIZE LxWxH	GREENHECK MODEL	ACCESSORIES
EF-1 EF-3 EF-5 EF-7 EF-8 EF-9	CEILING	100	0.25	1100	(53)	120/1	D	-	-	14x12x12	SP-A125	
EF-4,6	CEILING	150	0.25	1400	(113)	120/1	D	-	-	14x12x12	SP-A190	BDD, BRICK VENT BVE-157
EF-2	INLINE	400	0.25	1070	(217)	120/1	D	-	-	18x15x15	CSP-A510	BDD, BRICK VENT BVE-157

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COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL ENGINEER — MICHAEL P. RUSSO

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SUBMISSIONS:

NO.	ISSUE DESCRIPTION	DATE
	BID DOCUMENTS	03/28/25
	ADDENDUM #01	04/14/25
	PERMIT REVIEW COMMENTS	06/18/25
	PERMIT SET	06/20/25

KEY PLAN:

REGISTRATION:

ALLOY5
ARCHITECTURE
530 WEST BROAD ST BETHLEHEM, PA 18018
610.419.4055

SHEET TITLE:
SCHEDULES, SPECIFICATIONS

DATE: 03/31/2025
SCALE: As Indicated
DRAWN BY:
CHECKED BY:
PROJ.NO:

M1.0

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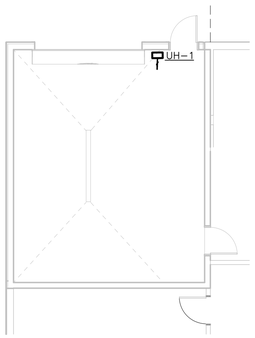
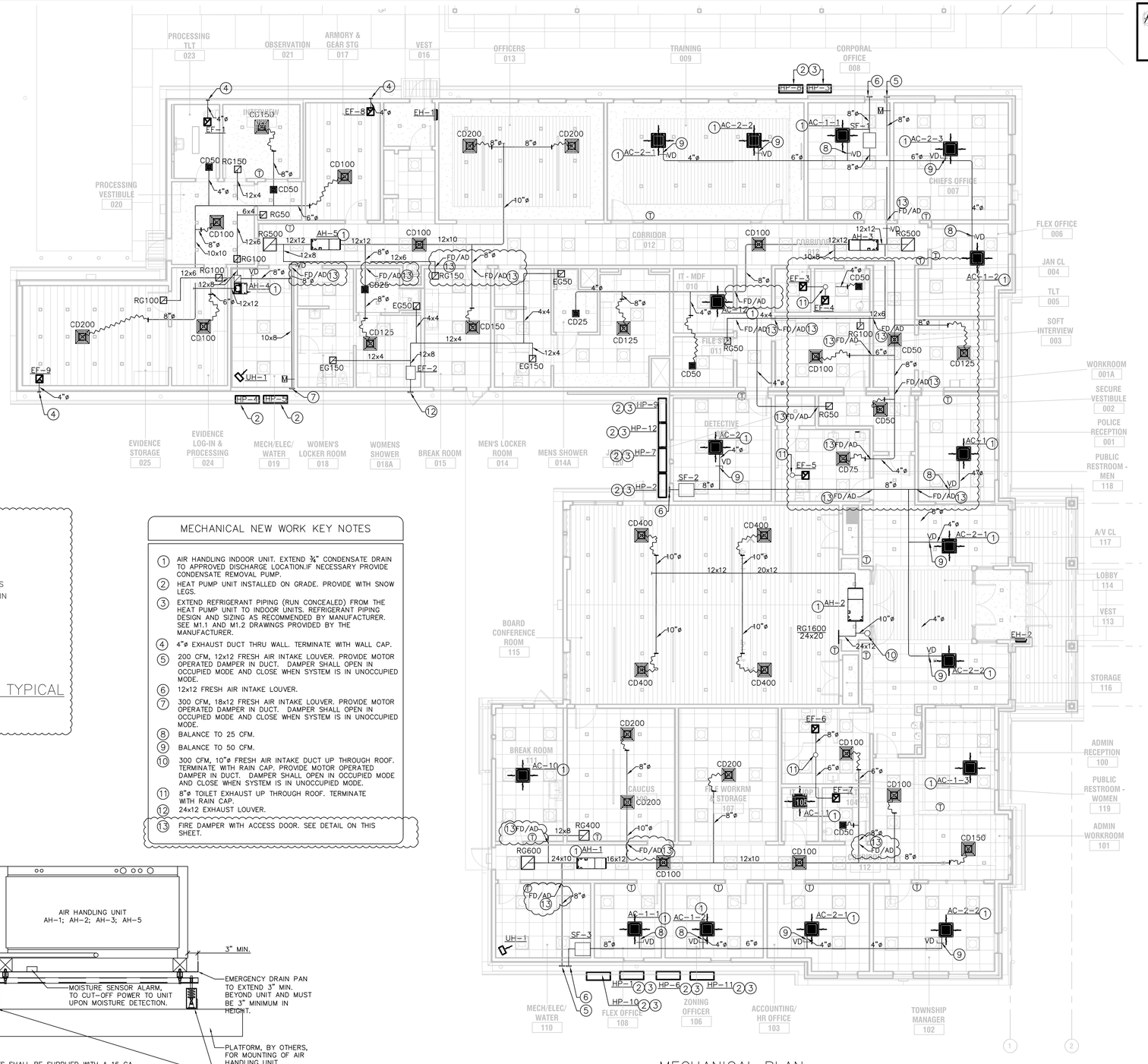
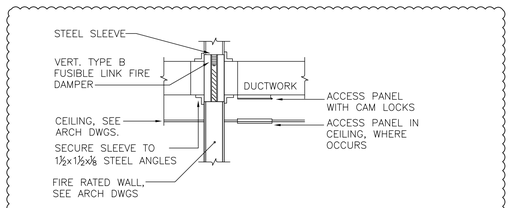


ALTERNATE SALLY PORT
MECHANICAL PLAN
SCALE: ⅛"= 1'-0"

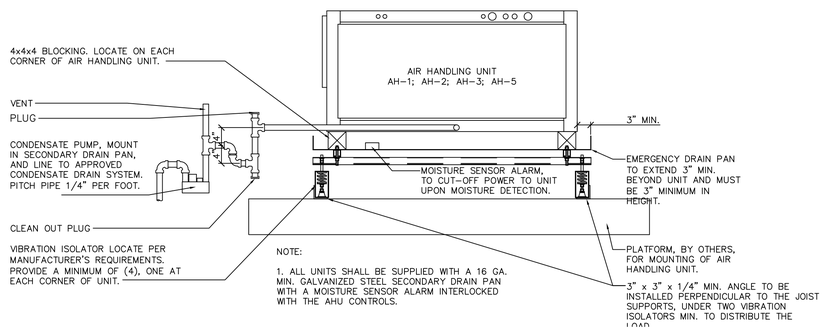




FIRE DAMPER INSTALLATION DETAIL – TYPICAL
NO SCALE

MECHANICAL NEW WORK KEY NOTES

1. AIR HANDLING INDOOR UNIT. EXTEND ¾" CONDENSATE DRAIN TO APPROVED DISCHARGE LOCATION.IF NECESSARY PROVIDE CONDENSATE REMOVAL PUMP.
2. HEAT PUMP UNIT INSTALLED ON GRADE. PROVIDE WITH SNOW LEGS.
3. EXTEND REFRIGERANT PIPING (RUN CONCEALED) FROM THE HEAT PUMP UNIT TO INDOOR UNITS. REFRIGERANT PIPING DESIGN AND SIZING AS RECOMMENDED BY MANUFACTURER. SEE M1.1 AND M1.2 DRAWINGS PROVIDED BY THE MANUFACTURER.
4. 4"ø EXHAUST DUCT THRU WALL. TERMINATE WITH WALL CAP.
5. 200 CFM, 12x12 FRESH AIR INTAKE LOUVER. PROVIDE MOTOR OPERATED DAMPER IN DUCT. DAMPER SHALL OPEN IN OCCUPIED MODE AND CLOSE WHEN SYSTEM IS IN UNOCCUPIED MODE.
6. 12x12 FRESH AIR INTAKE LOUVER.
7. 300 CFM, 18x12 FRESH AIR INTAKE LOUVER. PROVIDE MOTOR OPERATED DAMPER IN DUCT. DAMPER SHALL OPEN IN OCCUPIED MODE AND CLOSE WHEN SYSTEM IS IN UNOCCUPIED MODE.
8. BALANCE TO 25 CFM.
9. BALANCE TO 50 CFM.
10. 300 CFM, 10"ø FRESH AIR INTAKE DUCT UP THROUGH ROOF. TERMINATE WITH RAIN CAP. PROVIDE MOTOR OPERATED DAMPER IN DUCT. DAMPER SHALL OPEN IN OCCUPIED MODE AND CLOSE WHEN SYSTEM IS IN UNOCCUPIED MODE.
11. 8"ø TOILET EXHAUST UP THROUGH ROOF. TERMINATE WITH RAIN CAP.
12. 24x12 EXHAUST LOUVER.
13. FIRE DAMPER WITH ACCESS DOOR. SEE DETAIL ON THIS SHEET.



NOTE:
1. ALL UNITS SHALL BE SUPPLIED WITH A 16 GA. MIN. GALVANIZED STEEL SECONDARY DRAIN PAN WITH A MOISTURE SENSOR ALARM INTERLOCKED WITH THE AHU CONTROLS.

AIR HANDLING UNIT SUPPORT DETAIL
SCALE: NTS

MECHANICAL PLAN
SCALE: ⅛"= 1'-0"

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PROJECT:

ADMINISTRATION AND POLICE DEPARTMENT BUILDING

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610.419.4055

SHEET TITLE:

MECHANICAL PLAN

DATE:	03/31/2025
SCALE:	As Indicated
DRAWN BY:	
CHECKED BY:	
PROJ NO:	

M2.0

MECHANICAL ABBREVIATIONS

AB	ABOVE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
ARCH	ARCHITECTURAL
BDD	BACK DRAFT DAMPER
BEL	BELOW
BF	BELOW FLOOR
BJ	BETWEEN JOISTS
BOD	BOTTOM OF DUCT
BTM	BOTTOM
BTU	BRITISH THERMAL UNIT
CD	CEILING DIFFUSER
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
CO	CLEANOUT
CONN	CONNECT/CONNECTION
CONT	CONTINUED/CONTINUATION
COORD	COORDINATE
CW	DOMESTIC COLD WATER
DB	DRY BULB
DEG, °	DEGREE
DIA, ø	DIAMETER
DISC	DISCONNECT
DN	DOWN
DWG	DRAWING
EA	EXHAUST AIR
EAT	ENTERING AIR TEMP.
EC	ELECTRICAL CONTRACTOR
EDB	ENTERING DRY BULB TEMP.
EF	EXHAUST FAN
ER	EXHAUST REGISTER
ESP	EXTERNAL STATIC PRESSURE
EWB	ENTERING WET BULB TEMP.
EWT	ENTERING WATER TEMP.
EX	EXISTING
FD	FIRE DAMPER/FLOOR DRAIN
FLA	FULL LOAD AMPERES
FLEX	FLEXIBLE
FPM	FEET PER MINUTE
FT	FOOT/FEET/FIN TUBE
FT HD	FEET OF HEAD
GA	GAUGE/GAGE
GAL	GALLON
GC	GENERAL CONTRACTOR
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HC	HVAC CONTRACTOR
HORZ	HORIZONTAL
HP	HORSE POWER
HSTAT	HUMIDISTAT
ID	INSIDE DIAMETER
IN, "	INCH
INS	INSULATION
INV	INVERT
ISP	INTERNAL STATIC PRESSURE
IWG	INCHES WATER GAUGE
LAT	LEAVING AIR TEMP.
LF	LINEAR FEET
LB, #	POUNDS
LDB	LEAVING DRY BULB TEMP.
LWB	LEAVING WET BULB TEMP.
LWT	LEAVING WATER TEMP.
MAX	MAXIMUM
MBH	THOUSAND BTU PER HOUR
MC	MECHANICAL CONTRACTOR
MCA	MINIMUM CIRCUIT AMPACITY
MOD	MOTOR OPERATED DAMPER
MFR	MANUFACTURER
MIN	MINIMUM
MTD, MTG	MOUNTED, MOUNTING
NC	NOISE CRITERIA
NIC	NOT IN CONTRACT
OA	OUTSIDE AIR
OAC	OPEN ABOVE CEILING
OAI	OUTSIDE AIR INTAKE
OC	ON CENTER
PC	PLUMBING CONTRACTOR
PH	PHASE
PRV	PRESSURE REDUCING VALVE/ PRESSURE RELIEF VENT
PSI	POUNDS PER SQUARE INCH
RA	RETURN AIR
RD	ROOF DRAIN
RG	RETURN GRILLE
RPM	REVOLUTIONS PER MINUTE
RWC	RAINWATER CONDUCTOR
S	STORMWATER
S&C	STUB AND CAP
SA	SUPPLY AIR
SAN	SANITARY
SF	SQUARE FEET
SPEC	SPECIFICATIONS
SR	SUPPLY REGISTER
TD	TRANSFER DUCT
TEMP	TEMPERATURE
TG	TRANSFER GRILLE
THRU	THROUGH
TJ	THROUGH JOISTS
TSP	TOTAL STATIC PRESSURE
TSTAT	THERMOSTAT
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER (MANUAL)
VFD	VARIABLE FREQUENCY DRIVE
VTR	VENT THROUGH ROOF
W	WATTS/WASTE
W/	WITH
W/O	WITHOUT
WB	WET BULB
WL	WEATHER LOUVER
WPD	WATER PRESSURE DROP
WTD	WATER TEMP. DROP
WTR	WATER TEMP. RISE
XFMR	TRANSFORMER

LEGEND

- CEILING SUPPLY AIR DIFFUSER 24/24
- CEILING SUPPLY AIR DIFFUSER 12/12
- CEILING RETURN AIR GRILLE 24/24
- T — THERMOSTAT
- S — DUCT MOUNTED SMOKE DETECTOR
- CO — CARBON MONOXIDE SENSOR
- NEW DUCTWORK
- VD — VOLUME DAMPER
- AxB — A, INCHES, SIDE OF DUCT SHOWING
- CD — SUPPLY AIR DIFFUSER
- RG — RETURN AIR GRILLE
- TR — TOP REGISTER
- FD — FIRE DAMPER
- SD — SMOKE DAMPER
- FSD — FIRE / SMOKE DAMPER
- BD — BACKDRAFT DAMPER
- (E) — EXISTING
- (R) — RELOCATE
- (N) — NEW
- CONNECTION
- M — MOTORIZED DAMPER

MECHANICAL GENERAL NOTES

- ALL WORK SHOWN IS TO BE CONSIDERED NEW AND PROVIDED UNDER THIS CONTRACT UNLESS SPECIFICALLY INDICATED AS EXISTING.
- CONNECT ALL DUCTS TO MECHANICAL EQUIPMENT BY FLEXIBLE DUCT CONNECTORS WITH NOT LESS THAN 3"SPACING BETWEEN DUCT AND EQUIPMENT.
- CONSTRUCT AND INSTALL ALL DUCTWORK IN ACCORDANCE WITH SMACNA.
- ALL DUCT DIMENSIONS ARE INSIDE DIMENSIONS.
- INSTALL DUCT MOUNTED SMOKE DETECTOR(S) IN THE RETURN AIR STREAM OF AIR SYSTEMS OVER 2000 CFM, PER MANUFACTURER'S RECOMMENDATIONS, DOWNSTREAM OF ALL BRANCH CONNECTIONS, UPSTREAM OF ANY OUTSIDE AIR CONNECTIONS OR FILTERS, AND PROVIDE WIRING FOR FAN SHUTDOWN. DETECTOR IS TO BE FURNISHED AND CONNECTED TO THE FIRE ALARM SYSTEM BY OTHERS.
- PROVIDE FUSIBLE LINK FIRE DAMPERS AT ALL DUCT PENETRATIONS OR GRILLE OPENINGS IN FIRE RATED WALLS OR FLOORS. PROVIDE DUCT ACCESS PANELS FOR ALL FIRE DAMPERS.
- INSTALL DUCTWORK, EQUIPMENT, AND PIPING CONCEALED IN CHASES OR ABOVE CEILINGS WHERE CEILINGS ARE INDICATED, UNLESS NOTED OTHERWISE. WHERE DUCTWORK OR PIPING IS INDICATED TO BE EXPOSED, INSTALL AS HIGH AS POSSIBLE. ELEVATIONS SHOWN ARE TO THE LOWEST POINT, UNLESS NOTED OTHERWISE.
- WALL MOUNTED THERMOSTATS (TOP OF THE HIGHEST OPERABLE PART) SHALL BE INSTALLED 48" ABOVE THE FLOOR AND HANDICAPPED ACCESSIBLE.
- PROVIDE 4" THICK CONCRETE PADS FOR EQUIPMENT INSTALLED ON FLOORS OR ON GRADE, 6" LARGER THAN THE EQUIPMENT ON ALL SIDES.
- SEAL OR CAP OPENINGS IN PIPES OR DUCTS UNTIL FINAL CONNECTIONS ARE MADE.
- INSTALL SUFFICIENT UNIONS IN PIPING SYSTEMS TO ALLOW SERVICE OF ANY CONNECTED EQUIPMENT WITHOUT BREAKING FITTINGS OR CUTTING PIPING CONNECTIONS.
- DIMENSIONS AND PIPE SIZES ARE IN INCHES UNLESS NOTED OTHERWISE.
- RUNOUTS TO EQUIPMENT SHALL BE RUN IN SIZES INDICATED ON PLANS OR SCHEDULES AND INCREASED OR REDUCED AT POINT OF FINAL CONNECTION.
- DO NOT RUN PIPING OR DUCTWORK OVER ELECTRICAL EQUIPMENT.
- PROVIDE SUFFICIENT CLEARANCE FOR OPERATION AND MAINTENANCE OF MECHANICAL EQUIPMENT ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE SERVICE CLEARANCE FOR ELECTRICAL EQUIPMENT AS REQUIRED BY THE NATIONAL ELECTRICAL CODE (NEC).
- COORDINATE LOCATIONS OF ALL PIPING, DUCTWORK, EQUIPMENT AND DEVICES BEFORE INSTALLATION, WITH THE WORK OF OTHER TRADES. WHERE A CONFLICT IN CLEARANCES OCCURS, OBTAIN CLARIFICATION FROM THE ENGINEER ,ARCHITECT, OR OWNER. INSTALL WHATEVER ADDITIONAL PIPING, DUCTWORK AND FITTINGS, ETC. THAT ARE REQUIRED FOR A COMPLETE SYSTEM AT NO ADDITIONAL COST TO THE CONTRACT..
- PROVIDE CONDENSATE DRAINS WITH P-TRAPS FOR AIR HANDLING UNITS WITH COOLING COILS. DISCHARGE CONDENSATE TO ROOF, GRADE, OR INDIRECT WASTE.
- VERIFY MOUNTING HEIGHTS OF EQUIPMENT AND FIXTURES WITH ARCHITECTURAL DRAWINGS, AUTHORITY HAVING JURISDICTION AND THE OWNER.

BASEBOARD HEATER SCHEDULE

TAG	WATT	VOLTS/ PHASE	QMARK MODEL	DISC. SWITCH	ACCESSORIES/REMARKS
BB-1	750	120/1	2513W	MFR	THERMOSTAT

EXHAUST FAN SCHEDULE

TAG	TYPE	CFM	SP (IN WC)	VOLTS PHASE	DRIVE	MAKE/MODEL	ACCESSORIES
EF-1	CEILING	80	0.25	115/1	D	PANASONIC FV-0510VS1	BDD

WALL UNIT HEATER SCHEDULE

TAG	KW	VOLTS/ PHASE	QMARK MODEL	DISC. SWITCH	ACCESSORIES/REMARKS
EH-1	1.5	120/1	AWH3150F	MFR	INTEGRAL THERMOSTAT

WALL EXHAUST FAN SCHEDULE

TAG	TYPE	CFM	SP (IN WC)	RPM	HP	VOLTS PHASE	DRIVE	WALL OPENING	FAN SIZE LxWxH	GREENHECK MODEL	ACCESSORIES
WEF-1	SIDEWALL	3,600	0.15	1750	½	120/1	D	23.25x23.25	22x22x13.5	SE1-16-428-A5	PROVIDE WITH, WALL HOUSING, MOTORIZED DAMPER AND WEATHER HOOD
WEF-2	SIDEWALL	250	0.2	1550	1/30	120/1	D	10.5x10.5	13.3x13.3x7	SE1-8-4240-D	PROVIDE WITH, WALL HOUSING, MOTORIZED DAMPER

VENTILATION SCHEDULE PER SECTION 402 (2018 IMC)

ROOM NAME	AREA (SQUARE FEET)	REQUIRED OPENABLE AREA (SQUARE FEET)	PROVIDED OPENABLE AREA (SQUARE FEET)
HALLWAY 102	250	10	18
OFFICE 103	200	8	27
OFFICE 104	140	5.6	9
BREAK RM 105	260	10.4	27
STORAGE 107	160	6.4	9

VENTILATION SCHEDULE PER SECTION 404 (2018 IMC)

ROOM NAME	AREA (SQUARE FEET)	REQUIRED EXHAUST (CFM)	PROVIDED EXHAUST (CFM)
GARAGE	4800	3600	3600

PROPANE FIRED UNIT HEATER SCHEDULE

TAG	DESCRIPTION	MFR	MODEL	TOTAL (CFM)	FAN	HEATING				SIZE (LXWXH)	WEIGHT (LBS)	ELECTRICAL (60 HZ)				REMARKS
					HP	INPUT MBH	OUTPUT MBH	EAT	LAT			FLA	MOCP	VOLTS PHASE	DISC. SWITCH	
GUH-1	GAS FIRED UNIT HEATER	REZNOR	UDXS30	450	0.06	30	24.6	60	119.0	26x26x12	54	1.9	15	120/1	MFR	PROPANE GAS FIRED, PROVIDE WITH STEEL SUPPORT AND THERMOSTAT
GUH-2	GAS FIRED UNIT HEATER	REZNOR	UDXS100	1345	¼	105	87.1	60	119.0	29x26x23	131	13.0	30	120/1	MFR	PROPANE GAS FIRED, PROVIDE WITH STEEL SUPPORT AND THERMOSTAT

HEATING AND COOLING UNIT SCHEDULE

TAG	DESCRIPTION	MFR	MODEL	TOTAL (CFM)	COOLING	HEATING	WEIGHT (LBS)				REMARKS
					TMBH	OUTPUT MBH		MCA	MOCP	VOLTS PHASE	
AC-1	AIR HANDLING UNIT	LG	LCN098HV4	230-300	9.0	10.4	29	0.25	–	208-230/1	PROVIDE WITH WIRED REMOTE CONTROLLER MODEL "PREMTB100"
AC-2	AIR HANDLING UNIT	LG	LCN128HV4	247-335	12.0	13.8	29	0.25	–	208-230/1	PROVIDE WITH WIRED REMOTE CONTROLLER MODEL "PREMTB100"
HP-1	HEAT PUMP UNIT	LG	LMU480HHV	–	48.0	54.0	218	32.7	40.0	208-230/1	

LG BASIS OF DESIGN EQUIPMENT SELECTIONS PROVIDED BY MICHAEL MECCHI, MEIER SUPPLY CO., INC.
FOR LG EQUIPMENT PRICING CONTACT MICHAEL MECCHI @ MMECCHI@MEIERSUPPLY.COM (610-674-3326)

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SUBMISSIONS

NO.	ISSUE DESCRIPTION	DATE
	BID DOCUMENTS	03/28/25
	ADDENDUM #01	04/14/25
	PERMIT REVIEW COMMENTS	06/18/25
	PERMIT SET	06/20/25

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SCHEDULES, SPECIFICATIONS

DATE	03/31/25
SCALE	AS NOTED
DRAWN BY	
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JOB NO.	

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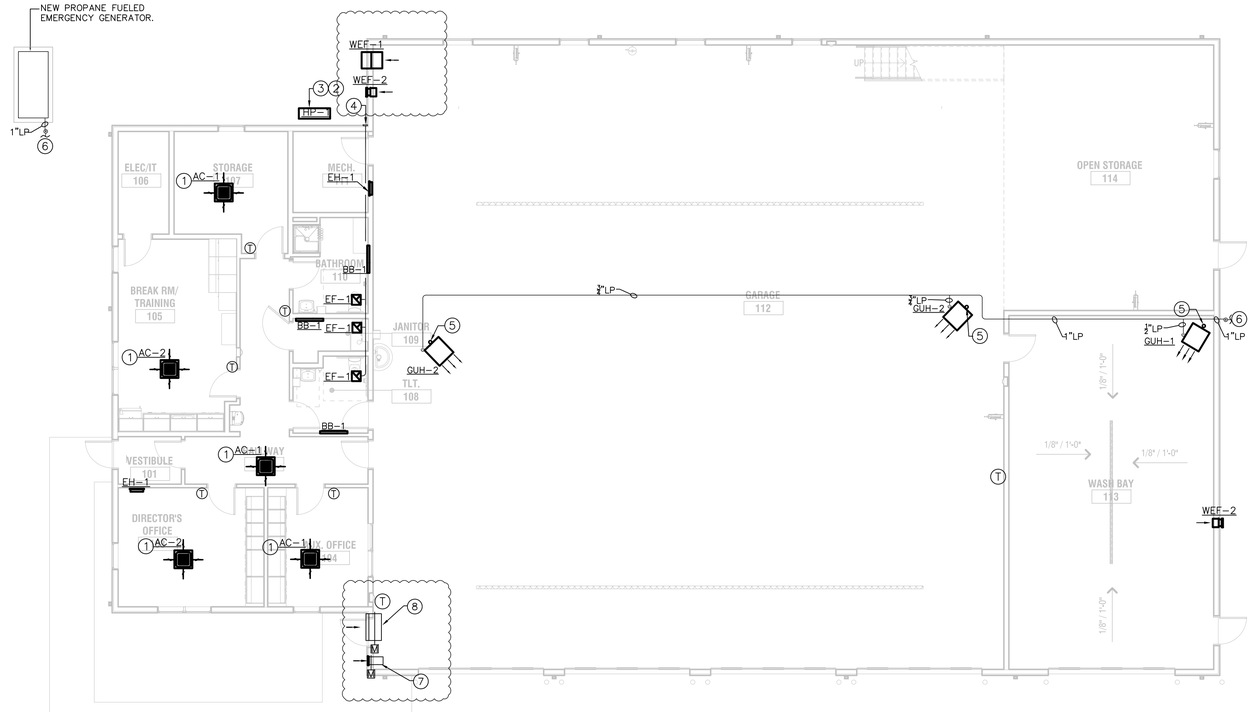
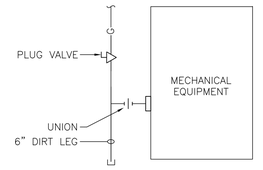


MECHANICAL PLAN

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

MECHANICAL NEW WORK KEY NOTES

1. CEILING MOUNTED INDOOR UNIT. EXTEND ¾" CONDENSATE DRAIN TO APPROVED DISCHARGE LOCATION.IF NECESSARY PROVIDE CONDENSATE REMOVAL PUMP.
2. HEAT PUMP UNIT INSTALLED ON GRADE. PROVIDE WITH SNOW LEGS.
3. EXTEND REFRIGERANT PIPING (RUN CONCEALED) FROM THE HEAT PUMP UNIT TO INDOOR UNITS. REFRIGERANT PIPING DESIGN AND SIZING AS RECOMMENDED BY MANUFACTURER.
4. 8"ø EXHAUST DUCT THRU WALL. TERMINATE WITH WALL CAP.
5. RUN 4"ø VENT UP THROUGH ROOF. TERMINATE WITH MANUFACTURER APPROVED RAIN CAP. VENT MATERIAL SHALL BE PER MANUFACTURERS RECOMMENDATION. MAINTAIN 10'-0" CLEARANCE TO ANY FRESH AIR INTAKE DUCT.
6. RUN NEW PROPANE LINE AND REGULATOR TO NEW PROPANE TANK BY OWNER. SEE LOCATION ON THE SITE/CIVIL DRAWINGS. SIZE THE NEW PROPANE LINE PER THE PROPANE TANK PRESSURE AND LOCATION.
7. 12"x12" FRESH AIR INTAKE LOUVER. PROVIDE WITH MOTORIZED DAMPER. INTERLOCK DAMPER WITH WEF-2 EXHAUST FAN, WHEN FAN IS ON DAMPER SHALL BE FULLY OPEN.
8. 36"x24" FRESH AIR INTAKE LOUVER. PROVIDE WITH MOTORIZED DAMPER. INTERLOCK DAMPER WITH WEF-1 EXHAUST FAN, WHEN FAN IS ON DAMPER SHALL BE FULLY OPEN.



GAS PIPING CONNECTION DETAIL – TYPICAL

NO SCALE

SEQUENCE OF OPERATION:

(ALL SETPOINTS SHALL BE ADJUSTABLE)

VENTILATION FAN WEF-1:

- OPEN THE OUTSIDE AIR DAMPER, OPERATE THE EXHAUST FAN WEF-1 BASED ON CO SENSOR ACTIVATION. FAN RELAY ACTIVATES AT 35 PPM OF CO AVERAGED OVER 5 MINUTES, 25 PPM SELECTABLE. SOLID STATE SENSOR DOES NOT REQUIRE PERIODIC CALIBRATION. ALARM RELAY ACTIVATES AT 100 PPM OF CO AFTER 30 MINUTES OR 200 PPM AFTER 10 MINUTES.

VENTILATION FAN WEF-2:

- OCCUPIED CYCLE: OPEN THE OUTSIDE AIR DAMPER OPERATE THE EXHAUST FAN WEF-2 CONTINUOUSLY.

VENTILATION FAN VEF-1:

- OPEN THE OUTSIDE AIR DAMPER, OPERATE THE EXHAUST FAN VEF-1 BASED ON CO SENSOR ACTIVATION. FAN RELAY ACTIVATES AT 35 PPM OF CO AVERAGED OVER 5 MINUTES, 25 PPM SELECTABLE. SOLID STATE SENSOR DOES NOT REQUIRE PERIODIC CALIBRATION. ALARM RELAY ACTIVATES AT 100 PPM OF CO AFTER 30 MINUTES OR 200 PPM AFTER 10 MINUTES.

TOILET EXHAUST FAN EF-1:

- TOILET/SHOWER EXHAUST FANS SHALL BE ENERGIZED BY THE LIGHT SWITCH.

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MECHANICAL PLAN

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M2.0PW

ELECTRICAL ABBREVIATIONS

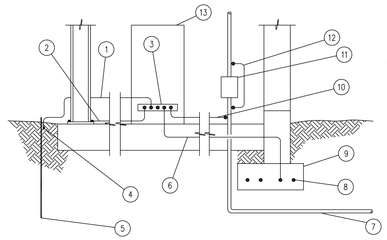
A	–	AMPERES
AC	–	ALTERNATING CURRENT
AFF	–	ABOVE FINISHED FLOOR
AFG	–	ABOVE FINISHED GRADE
BFG	–	BELOW FINISHED GRADE
BLDG	–	BUILDING
C	–	CONDUIT
CTR	–	COUNTERTOP MOUNTED
DC	–	DIRECT CURRENT
DISC	–	DISCONNECT
EC	–	EMERGENCY CIRCUIT
EXIST	–	EXISTING
F	–	FUSE
FLA	–	FULL LOAD AMPS
GFI	–	GROUND FAULT INTERRUPTER
GRD	–	GROUND
H	–	HIGH
KW	–	KILOWATTS
LC	–	LIGHTING CIRCUIT
MOD	–	MOTOR OPERATED DAMPER
NL	–	NIGHT LIGHT
NO	–	NUMBER
P	–	POLE
PH	–	PHASE
PRI	–	PRIMARY
RC	–	RECEPTACLE CIRCUIT
RS	–	RIGID STEEL
SCH	–	SCHEDULE
SEC	–	SECONDARY
SN	–	SOLID NEUTRAL
SS	–	STAINLESS STEEL
SW	–	SWITCH
TYP	–	TYPICAL
V	–	VOLTS
W	–	WATTS, WIDE
WP	–	WEATHERPROOF
XFMR	–	TRANSFORMER

ELECTRICAL SYMBOL SCHEDULE

- "X" — DUPLEX RECEPTACLE 120V, "X" ABOVE FINISHED FLOOR
- TV — 120V TV DUPLEX RECEPTACLE. COORDINATE MOUNTING HEIGHT WITH GC.
- CTH GFI — ABOVE COUNTER MOUNTED 20A–120V GFI RECEPTACLE.
- GFI — GROUND FAULT DUPLEX RECEPTACLE
- 120V QUAD RECEPTACLE
- DEDICATED 120V–20A RECEPTACLE "X" ABOVE FINISHED FLOOR
- HARDWIRE CIRCUIT
- WP GFI — WATER–PROOF GROUND FAULT DUPLEX RECEPTACLE
- ELECTRICAL PANEL
- JB — JUNCTION BOX
- FB — FLOOR BOX
- DISCONNECT SWITCH
- 1P BREAKER FEED W/CIRCUIT & PANEL
- 2P BREAKER FEED W/CIRCUIT & PANEL
- 3P BREAKER FEED W/CIRCUIT & PANEL
- $DIM — DIMMER SWITCH
- $OS — OCCUPANCY SENSOR TYPE SWITCH
- $ — SINGLE POLE SWITCH–LINE VOLTAGE
- OS — CEILING MOUNTED OCCUPANCY SENSOR
- TELEPHONE/DATA OUTLET
- DATA OUTLET
- D — CEILING MOUNTED SMOKE/CARBON MONOXIDE DETECTOR

LIGHT FIXTURE SCHEDULE (BASIS OF DESIGN)

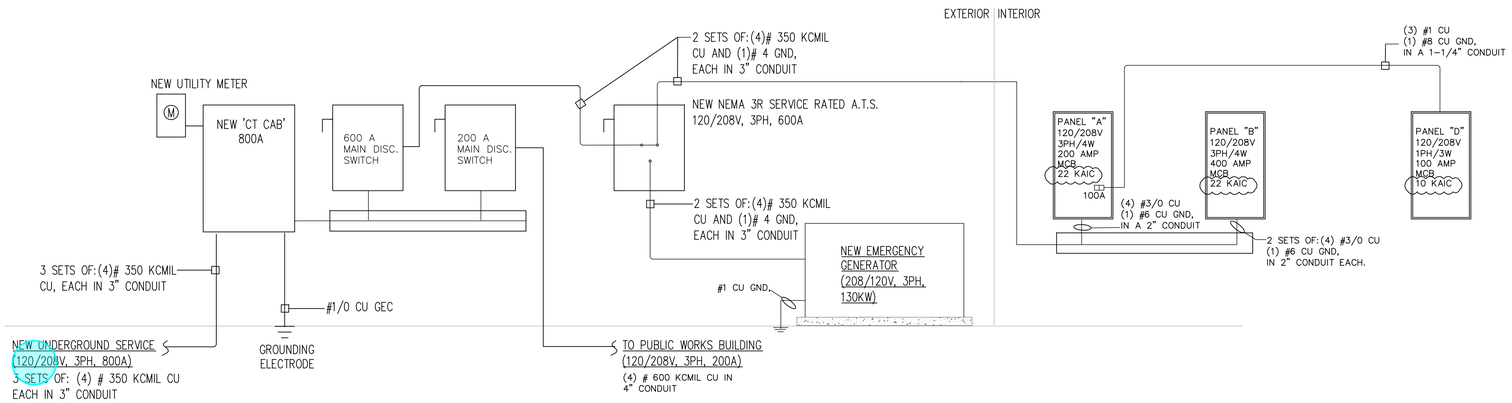
SYMBOL	DESCRIPTION	REMARKS
	4" SQUARE LED LIGHT FIXTURE BY DIVERSIFIED MODEL# LT23756 WATTS PER FIXTURE: 10 WATTS	
	2x2 LED FLAT PANEL, LITHONIA LIGHTING MODEL# EPANL 2x2 4000LM 80CRI 35K MIN10 ZT MVOLT WATTS PER FIXTURE: 24 WATTS	
A	MANUFACTURER: "ORACLE LIGHTING" MODEL: OLS–R–LED–2, 27 WATTS PER FIXTURE. COORDINATE SELECTION WITH ARCHITECT.	
B	MANUFACTURER: "FINELITE" MODEL: S12LED ID–DCO–8', 57 WATTS PER FIXTURE. COORDINATE SELECTION WITH ARCHITECT.	
C	MANUFACTURER: "COOPER LIGHTING" MODEL: FCT–X–4–LD4–1STD/2STD–35–UNV–80/86–EDC1, 68 WATTS PER FIXTURE.	
D	MANUFACTURER: "COOPER LIGHTING" MODEL: LXEW4–50HV–FAW–EDU–ELL14 188 WATTS PER FIXTURE.	PROVIDE WITH APPROPRIATE MOUNTING BRACKET
E	LED OUTDOOR CANOPY LIGHT FIXTURE BY RAYON RFL4 8L–4" LED RECESSED MODULE. 10.5 WATT PER FIXTURE	
F	LED OUTDOOR WALL PACK LIGHT FIXTURE BY RAYON LIGHTING MODEL 7630LED, 20 WATTS PER FIXTURE	
	THOMAS&BETTS, EMERGI–LITE EL2LEDR LED	
	THOMAS&BETTS, EMERGI–LITE ELXN400RN	90 MIN. BATTERY BACK–UP
	COMBINATION EMERGENCY LIGHTING DUAL HEAD/EXIT SIGN BACK–UP BATTERY UNIT THOMAS&BETTS, EMERGI–LITE ELXN400R–2LEDR LED	90 MIN. BATTERY BACK–UP
	DUAL HEAD REMOTE LIGHTING HEADS THOMAS&BETTS, EMERGI–LITE EF44LEDWP LED	



1. GROUND ROD GROUNDING ELECTRODE CONDUCTOR.
2. STEEL GROUNDING ELECTRODE CONDUCTOR.
3. NEUTRAL BUS.
4. BOLTED CONNECTION.
5. 10'–0" X 5/8" COPPER CLAD GROUND ROD.
6. REINFORCING STEEL GROUNDING ELECTRODE CONDUCTOR BARE.
7. METALLIC WATER MAIN 10'–0" MINIMUM LENGTH.
8. 1/2"ø MINIMUM REBAR 20'–0" MINIMUM LENGTH.
9. THERMITE WELD WITH ASPHALTUM COATING.
10. WATER SERVICE GROUNDING ELECTRODE CONDUCTORS.
11. WATER METER.
12. BONDING JUMPER BOLTED CONNECTIONS.
13. SERVICE ENTRANCE EQUIPMENT.

NOTES: SEE ONE LINE DIAGRAM FOR REQUIRED GROUNDS AND GROUNDING ELECTRODE SIZES. GROUNDING ELECTRODE CONDUCTORS SHALL BE UNSPLICED INSULATED COPPER UNLESS OTHERWISE NOTED.

SERVICE ENTRANCE GROUNDING DETAIL
SCALE: NTS



NEW ELECTRICAL SERVICE RISER DIAGRAM
SCALE: NTS

NEW PANEL 'A' 120/208 VOLT, 3 PHASE, 4 WIRE, 200A MCB

ITEM	CKT	TRIP	WIRE	GRND	LOAD KVA	A	B	C	LOAD KVA	GRND WIRE	TRIP	CKT	ITEM
LIGHTING CIRCUIT "a"	1	20	12	12	1.00	X			1.00	12	20	2	LIGHTING CIRCUIT "d"
LIGHTING CIRCUIT "b"	3	20	12	12	1.20		X		1.00	12	20	4	LIGHTING CIRCUIT "e"
LIGHTING CIRCUIT "c"	5	20	12	12	0.80			X	1.00	12	20	6	LIGHTING CIRCUIT "f"
EXTERIOR LIGHTING VIA PHOTOCELL	7	20	12	12	0.80	X			0.50	12	20	8	RECEPTACLES
PANEL "D"	9	100	1	8	19.10		X		0.50	12	20	10	RECEPTACLES
	11							X	0.50	12	20	12	RECEPTACLES
RECEPTACLES	13	20	12	12	0.50	X			0.50	12	20	14	RECEPTACLES
RECEPTACLES	15	20	12	12	0.50		X		0.50	12	20	16	RECEPTACLES
RECEPTACLES	17	20	12	12	0.50			X	0.50	12	20	18	RECEPTACLES
RECEPTACLES	19	20	12	12	0.50	X			0.50	12	20	20	RECEPTACLES
RECEPTACLES	21	20	12	12	0.50		X		0.50	12	20	22	RECEPTACLES
RECEPTACLES	23	20	12	12	0.50			X	0.50	12	20	24	RECEPTACLES
RECEPTACLES	25	20	12	12	0.50	X			0.50	12	20	26	RECEPTACLES
RECEPTACLES	27	20	12	12	0.50		X		0.50	12	20	28	RECEPTACLES
RECEPTACLES	29	20	12	12	0.50			X	0.50	12	20	30	RECEPTACLES
RECEPTACLES	31	20	12	12	0.50	X			0.50	12	20	32	RECEPTACLES
RECEPTACLES	33	20	12	12	0.50		X		0.50	12	20	34	RECEPTACLES
RECEPTACLES	35	20	12	12	0.50			X	0.50	12	20	36	RECEPTACLES
RECEPTACLES	37	20	12	12	0.50	X			0.50	12	20	38	RECEPTACLES
RECEPTACLES	39	20	12	12	0.50		X		0.50	12	20	40	RECEPTACLES
RECEPTACLES	41	20	12	12	0.50			X	0.50	12	20	42	RECEPTACLES
WIFI ACCESS OUTLETS	43	20	12	12	0.50	X			0.50	12	20	44	GATE OPERATOR
	45						X		0.50	12	20	46	GATE OPERATOR
	47							X				48	
	49					X						50	
	51						X					52	
	53							X				54	
					30.90				13.00				NEW MAX LOAD (NO DIVERSITY) 43.9 KVA/122.0 A)

NEW PANEL 'B' 120/208 VOLT, 3 PHASE, 4 WIRE, 400A MCB

ITEM	CKT	TRIP	WIRE	GRND	LOAD KVA	A	B	C	LOAD KVA	GRND WIRE	TRIP	CKT	ITEM
HP-1	1	40	8	10	6.50	X			4.50	10	8	30	2
	3						X						4 HP-7
HP-2	5	40	8	10	6.50			X	6.50	10	6	40	6
	7					X							8 HP-8
HP-3	9	30	8	10	4.50		X		4.50	10	8	30	10
	11							X					12 HP-9
HP4	13	30	8	10	4.50	X			2.40	12	12	15	14
	15						X						16 HP-10
HP-5	17	30	8	10	4.50			X	2.40	12	12	15	18
	19					X							20 HP-11
HP-6	21	40	8	10	6.00		X		2.40	12	12	15	22
	23							X					24 HP-12
SWH-1	25	30	8	10	4.50	X			6.00	10	8	40	26
	27						X						28 SWH-2
UH-1	29	20	12	12	3.00			X	3.00	12	12	20	30
	31					X							32 UH-2
EH-1	33	20	12	12	1.50		X		1.50	12	12	20	34 EH-2
SF-1	35	20	12	12	0.30				0.30	12	12	20	36 SF-2
SF-3	37	20	12	12	0.30	X			1.60	12	12	20	38 SITE LIGHTING (BY OTHERS) VIA PHOTOCELL
EXISTING WELL PUMP	39	20	12	12	2.00		X						40
	41							X					42
					44.10				35.10				NEW MAX LOAD (NO DIVERSITY) 79.2 KVA(219.8 A)

NEW SUBPANEL PANEL 'D' 120/208 VOLT, 1 PHASE, 3 WIRE, 100A MCB

ITEM	CKT	TRIP	WIRE	GRND	LOAD KVA	A	B	LOAD KVA	GRND WIRE	TRIP	CKT	ITEM
LIGHTING CIRCUIT "g"	1	20	12	12	1.30	X		1.50	12	20	2	EXTERIOR LIGHTING CIRCUIT VIA PHOTOCELL
LIGHTING CIRCUIT "h"	3	20	12	12	1.20		X	1.50	12	20	4	EXTERIOR LIGHTING CIRCUIT VIA PHOTOCELL
LIGHTING CIRCUIT "i"	5	20	12	12	0.80	X		1.50	12	20	6	EXTERIOR LIGHTING CIRCUIT VIA PHOTOCELL
LIGHTING CIRCUIT "j"	7	20	12	12	0.80		X	0.10	12	20	8	LOCKER JUNCTION BOX
RECEPTACLES	9	20	12	12	0.50	X		0.10	12	20	10	LOCKER JUNCTION BOX
RECEPTACLES	11	20	12	12	0.50		X	0.50	12	20	12	RECEPTACLES
RECEPTACLES	13	20	12	12	0.50	X		0.10	12	20	14	RECEPTACLES
RECEPTACLES	15	20	12	12	0.50		X	0.50	12	20	16	RECEPTACLES
RECEPTACLES	17	20	12	12	0.50	X		0.50	12	20	18	RECEPTACLES
RECEPTACLES	19	20	12	12	0.50		X	0.50	12	20	20	RECEPTACLES
RECEPTACLES	21	20	12	12	0.50	X		0.50	12	20	22	RECEPTACLES
RECEPTACLES	23	20	12	12	0.50		X	0.50	12	20	24	RECEPTACLES
RECEPTACLES	25	20	12	12	0.50	X		0.50	12	20	26	WIFI ACCESS OUTLETS
RECEPTACLES	27	20	12	12	0.50		X	0.20	12	20	28	EF-2
RECEPTACLES	29	20	12	12	0.50	X		0.50	12	20	30	GATE OPERATOR
RECEPTACLES	31	20	12	12	0.50		X				32	
RECEPTACLES	33	20	12	12	0.50	X					34	
RECEPTACLES	35	20	12	12	0.50		X				36	
	37					X					38	
	39						X				40	
	41					X					42	
					11.10			9.00				NEW MAX LOAD (NO DIVERSITY) 20.1 KVA(96.0 A)

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KEY PLAN:

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ELECTRICAL DETAILS

DATE: 03/31/2025
SCALE: As Indicated
DRAWN BY:
CHECKED BY:
PROJ NO:

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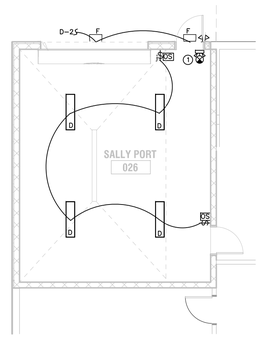
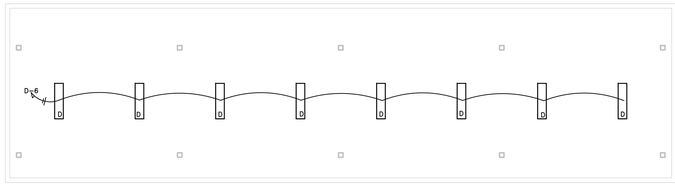
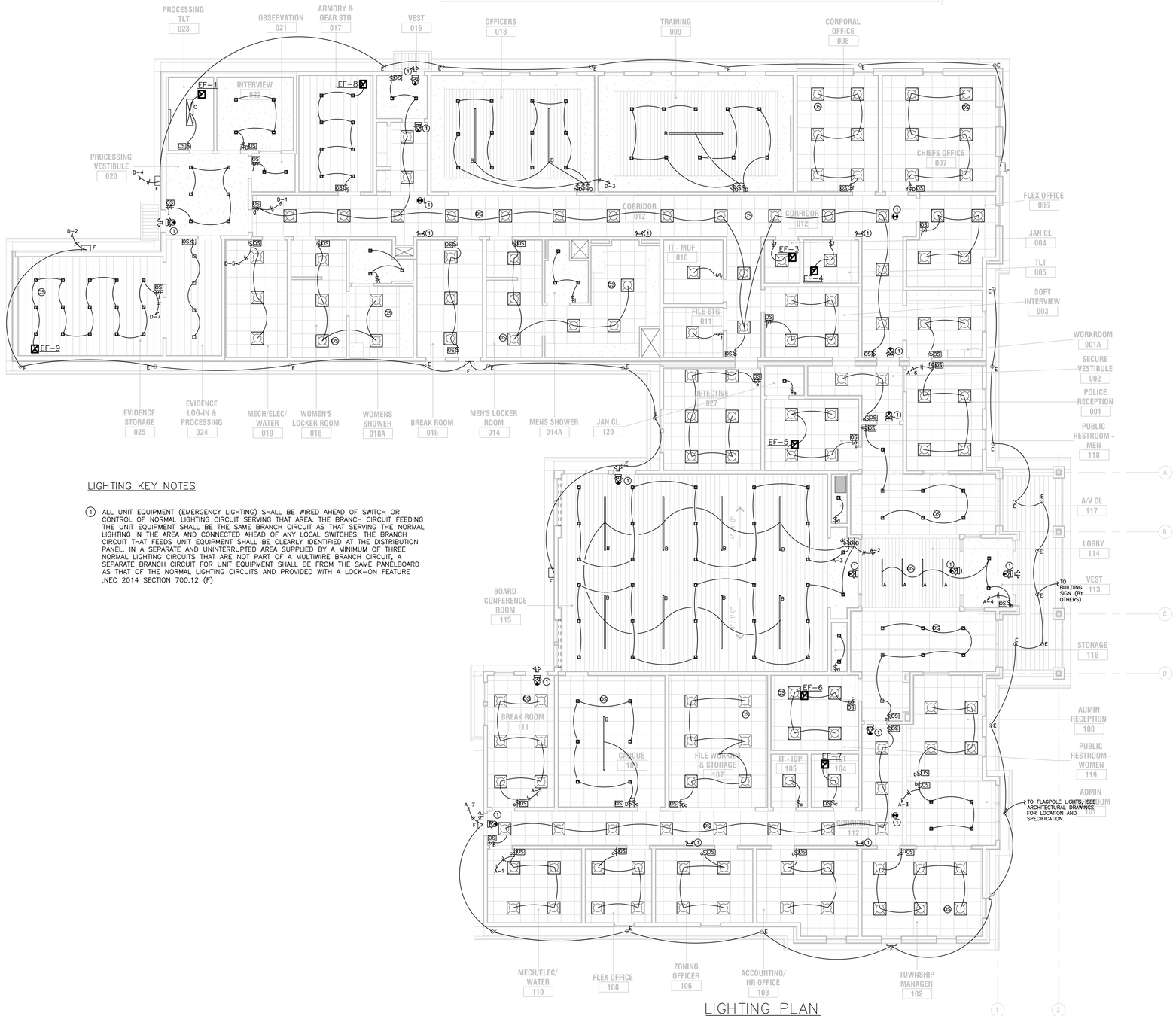


ALTERNATE SALLY PORT LIGHTING PLAN
SCALE: ⅛" = 1'-0"





LIGHTING PLAN
SCALE: ⅛" = 1'-0"

LIGHTING KEY NOTES

(1) ALL UNIT EQUIPMENT (EMERGENCY LIGHTING) SHALL BE WIRED AHEAD OF SWITCH OR CONTROL OF NORMAL LIGHTING CIRCUIT SERVING THAT AREA. THE BRANCH CIRCUIT FEEDING THE UNIT EQUIPMENT SHALL BE THE SAME BRANCH CIRCUIT AS THAT SERVING THE NORMAL LIGHTING IN THE AREA AND CONNECTED AHEAD OF ANY LOCAL SWITCHES. THE BRANCH CIRCUIT THAT FEEDS UNIT EQUIPMENT SHALL BE CLEARLY IDENTIFIED AT THE DISTRIBUTION PANEL. IN A SEPARATE AND UNINTERRUPTED AREA SUPPLIED BY A MINIMUM OF THREE NORMAL LIGHTING CIRCUITS THAT ARE NOT PART OF A MULTIWIRE BRANCH CIRCUIT, A SEPARATE BRANCH CIRCUIT FOR UNIT EQUIPMENT SHALL BE FROM THE SAME PANELBOARD AS THAT OF THE NORMAL LIGHTING CIRCUITS AND PROVIDED WITH A LOCK-ON FEATURE .NEC 2014 SECTION 700.12 (F)

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610-365-7834

PROJECTX DESIGN GROUP
2433 BLUEJAY DRIVE
NAZARETH, PA 18064
610-365-2436

SUBMISSIONS:

NO.	ISSUE DESCRIPTION	DATE
	BID DOCUMENTS	03/28/25
	PERMIT SET	06/20/25

KEY PLAN:

REGISTRATION:

ALLOY5
ARCHITECTURE
530 WEST BROAD ST BETHLEHEM, PA 18018
610.419.4055

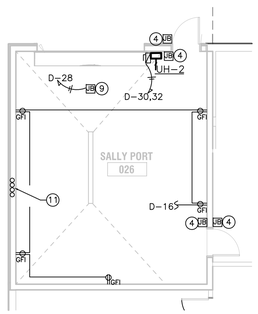
SHEET TITLE:

LIGHTING PLAN

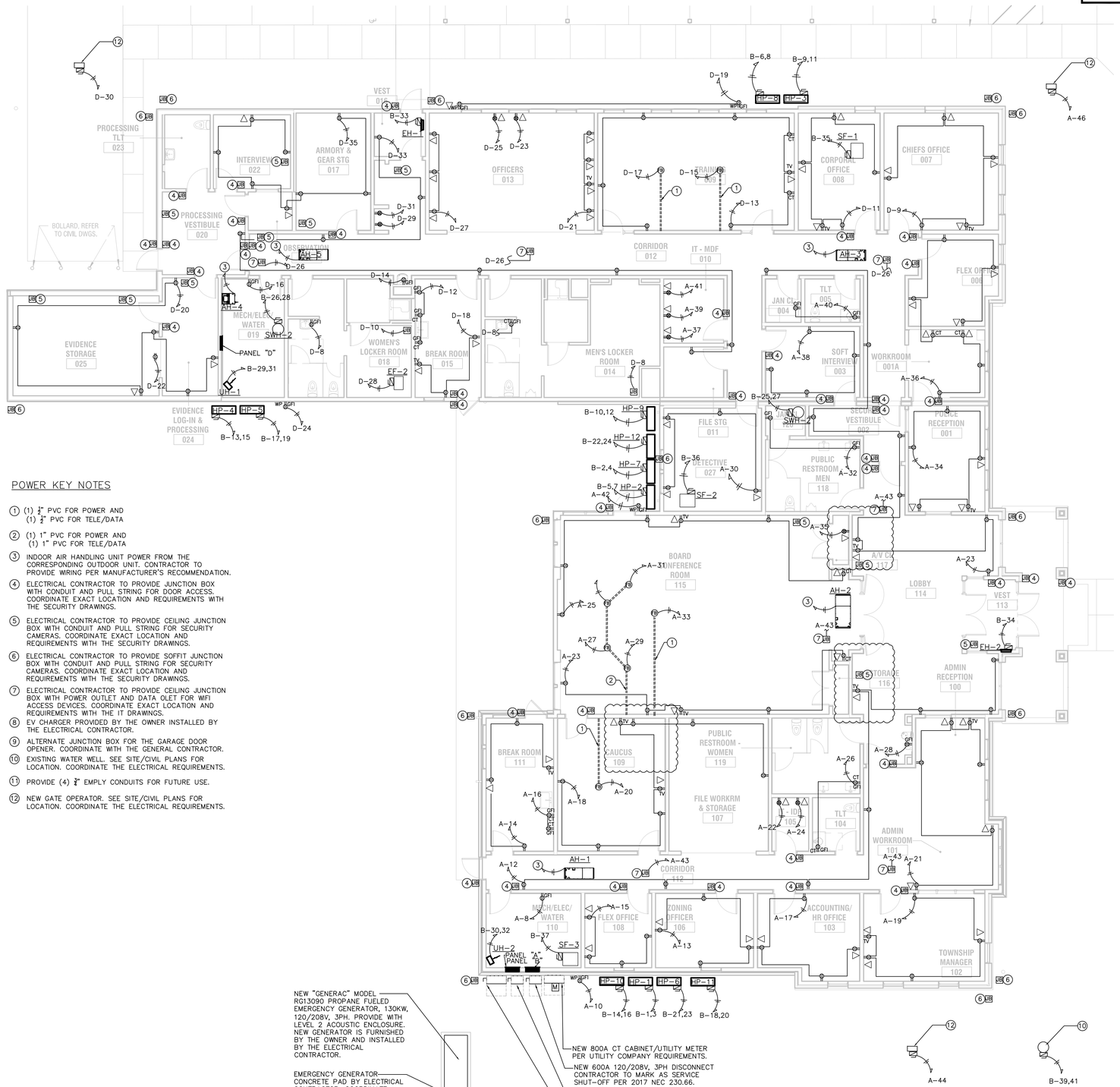
DATE: 03/31/2025
SCALE: As Indicated
DRAWN BY:
CHECKED BY:
PROJ NO:

E2.0

PROJECTX DESIGN GROUP
MEP CONSULTING
2433 BLUE JAY DRIVE
NAZARETH, PA 18064
TEL: 610-365-2436, 610-905-1195
EMAIL: RAZGULEA@PROJECTXDG.COM

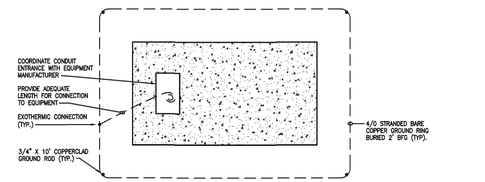


ALTERNATE SALLY PORT POWER PLAN
SCALE: ⅛"= 1'-0"

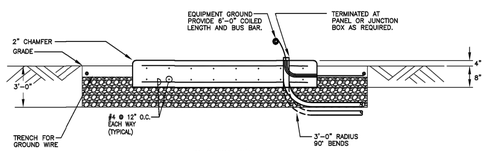


POWER KEY NOTES

1. (1) 1" PVC FOR POWER AND (1) ½" PVC FOR TELE/DATA
2. (1) 1" PVC FOR POWER AND (1) 1" PVC FOR TELE/DATA
3. INDOOR AIR HANDLING UNIT POWER FROM THE CORRESPONDING OUTDOOR UNIT. CONTRACTOR TO PROVIDE WIRING PER MANUFACTURER'S RECOMMENDATION.
4. ELECTRICAL CONTRACTOR TO PROVIDE JUNCTION BOX WITH CONDUIT AND PULL STRING FOR DOOR ACCESS. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH THE SECURITY DRAWINGS.
5. ELECTRICAL CONTRACTOR TO PROVIDE CEILING JUNCTION BOX WITH CONDUIT AND PULL STRING FOR SECURITY CAMERAS. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH THE SECURITY DRAWINGS.
6. ELECTRICAL CONTRACTOR TO PROVIDE SOFFIT JUNCTION BOX WITH CONDUIT AND PULL STRING FOR SECURITY CAMERAS. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH THE SECURITY DRAWINGS.
7. ELECTRICAL CONTRACTOR TO PROVIDE CEILING JUNCTION BOX WITH POWER OUTLET AND DATA OLET FOR WIFI ACCESS DEVICES. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH THE IT DRAWINGS.
8. EV CHARGER PROVIDED BY THE OWNER INSTALLED BY THE ELECTRICAL CONTRACTOR.
9. ALTERNATE JUNCTION BOX FOR THE GARAGE DOOR OPENER. COORDINATE WITH THE GENERAL CONTRACTOR.
10. EXISTING WATER WELL. SEE SITE/CIVIL PLANS FOR LOCATION. COORDINATE THE ELECTRICAL REQUIREMENTS.
11. PROVIDE (4) 3" EMPLY CONDUITS FOR FUTURE USE.
12. NEW GATE OPERATOR. SEE SITE/CIVIL PLANS FOR LOCATION. COORDINATE THE ELECTRICAL REQUIREMENTS.



PLAN VIEW



SECTION VIEW

NOTES:
1. PROVIDE COMPLETE EQUIPMENT PAD EXCAVATION, TRENCHING, BACKFILL, CONCRETE WORK, CONDUITS, ASSOCIATED SITE RESTORATION, ETC.
2. DETAIL OF PAD IS INDICATED AS A BASIS FOR VAULT CONSTRUCTION. COORDINATE THE EXACT PAD SIZE AND CONSTRUCTION WITH THE EQUIPMENT MANUFACTURER AND THE ENGINEER APPROVED SHOP DRAWINGS.
3. PAD SHALL BE INSTALLED SMOOTH LEVEL. USE 95% COMPACTED 2B CRUSHED STONE (12" MIN. DEPTH) UNDER PAD.
4. PROVIDE EQUIPMENT PAD WITH 2" CHAMFER THAT IS 4" LARGER IN SIZE, ALL AROUND EQUIPMENT.
5. E.C. TO PROVIDE TRENCHING AND BACKFILL AROUND FOUNDATION FOR GROUND RING.
6. E.C. SHALL INSTALL GROUND RING AND SUFFICIENT SLACK GROUND CONDUCTORS FOR CONNECTION TO EQUIPMENT.

EMERGENCY GENERATOR PAD DETAIL
SCALE: NTS

POWER PLAN
SCALE: ⅛"= 1'-0"

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PROJECT:

ADMINISTRATION AND POLICE DEPARTMENT BUILDING

2280 GILBERTSVILLE ROAD
POTTSTOWN, PA 19464

OWNER:

UPPER POTTSGROVE TOWNSHIP

1409 FARMINGTON AVENUE
POTTSTOWN, PA 19464

PROJECT TEAM:

ARCHITECT:
ALLOYS
ARCHITECTURE

CIVIL:
CHESTER VALLEY ENGINEERS, INC.
112 MOORES ROAD
SUITE 200
MALVERN, PA 19355
610-644-4623

STRUCTURAL:
SLATE STRUCTURAL ENGINEERS
40 SOUTH MAIN STREET
NAZARETH, PA 18064
610-365-7834

PROJECTX DESIGN GROUP
2433 BLUEJAY DRIVE
NAZARETH, PA 18064
610-365-2436

SUBMISSIONS:

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	PERMIT SET	06/20/25

KEY PLAN:

REGISTRATION:

ALLOYS ARCHITECTURE
530 WEST BROAD ST BETHLEHEM, PA 18018
610.419.4055

SHEET TITLE:

POWER PLAN

DATE:	03/31/2025
SCALE:	As Indicated
DRAWN BY:	
CHECKED BY:	
PROJ NO:	

E3.0

PROJECTX DESIGN GROUP
MEP CONSULTING
2433 BLUE JAY DRIVE
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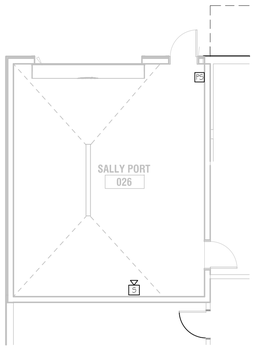
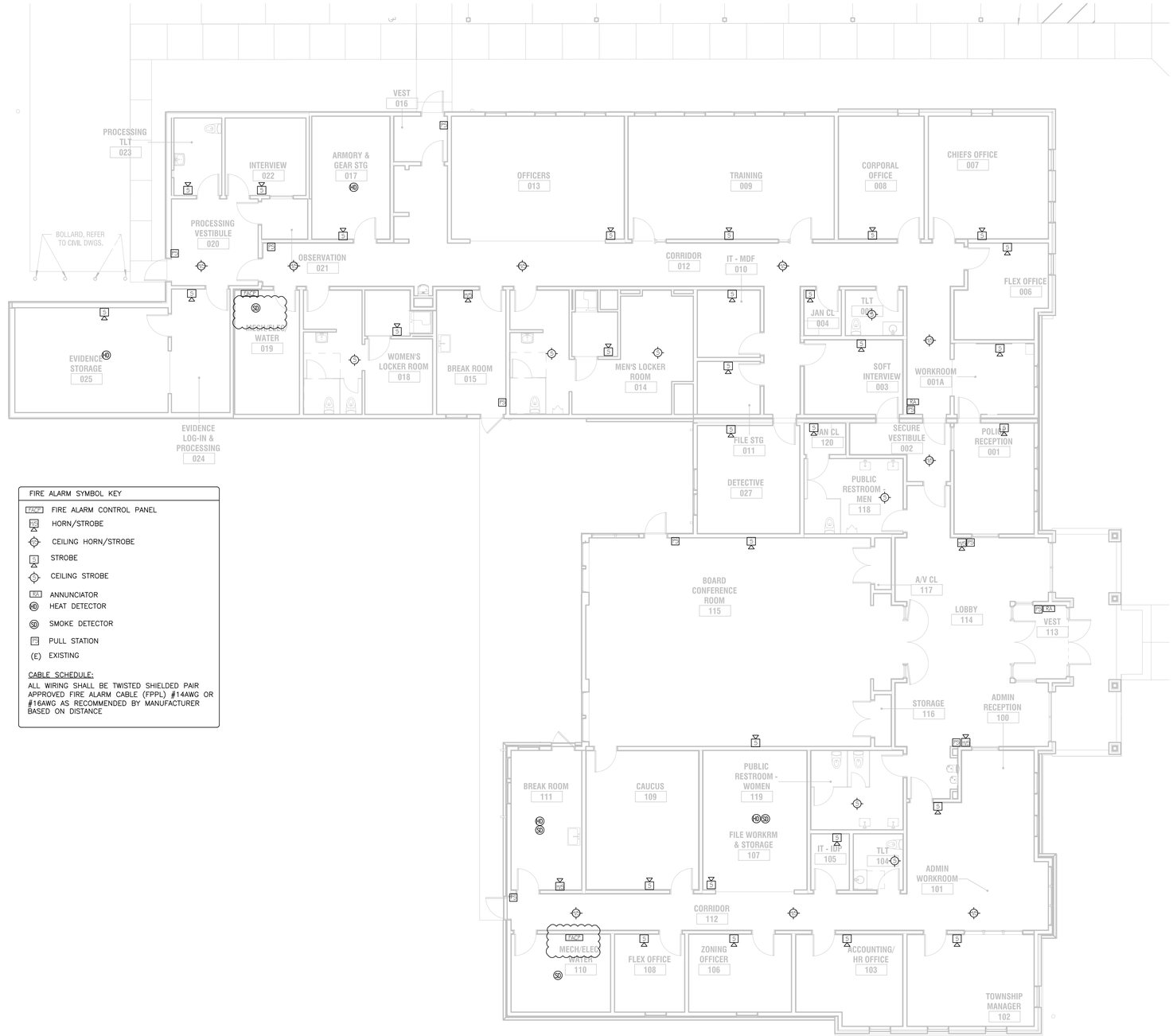


ALTERNATE SALLY PORT
FIRE ALARM PLAN
SCALE: ⅛"= 1'-0"



FIRE ALARM SYMBOL KEY	
FACP	FIRE ALARM CONTROL PANEL
H/S	HORN/STROBE
	CEILING HORN/STROBE
S	STROBE
	CEILING STROBE
ANN	ANNUNCIATOR
HD	HEAT DETECTOR
SD	SMOKE DETECTOR
PS	PULL STATION
(E)	EXISTING

CABLE SCHEDULE:
ALL WIRING SHALL BE TWISTED SHIELDED PAIR APPROVED FIRE ALARM CABLE (FPPL) #14AWG OR #16AWG AS RECOMMENDED BY MANUFACTURER BASED ON DISTANCE

FIRE ALARM PLAN
SCALE: ⅛"= 1'-0"

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PROJECT:

ADMINISTRATION AND POLICE DEPARTMENT BUILDING

2280 GILBERTSVILLE ROAD
POTTSTOWN, PA 19464

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KEY PLAN:

REGISTRATION:

ALLOY5
ARCHITECTURE
530 WEST BROAD ST BETHLEHEM, PA 18018
610.419.4055

SHEET TITLE:

FIRE ALARM PLAN

DATE: 03/31/2025
SCALE: As Indicated
DRAWN BY:
CHECKED BY:
PROJ NO:

E4.0

ELECTRICAL ABBREVIATIONS

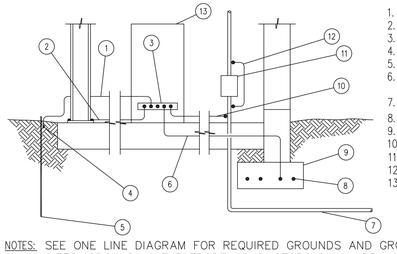
A	–	AMPERES
AC	–	ALTERNATING CURRENT
AFF	–	ABOVE FINISHED FLOOR
AFG	–	ABOVE FINISHED GRADE
BFG	–	BELOW FINISHED GRADE
BLDG	–	BUILDING
C	–	CONDUIT
CTR	–	COUNTERTOP MOUNTED
DC	–	DIRECT CURRENT
DISC	–	DISCONNECT
EC	–	EMERGENCY CIRCUIT
EXIST	–	EXISTING
F	–	FUSE
FLA	–	FULL LOAD AMPS
GFI	–	GROUND FAULT INTERRUPTER
GRD	–	GROUND
H	–	HIGH
KW	–	KILOWATTS
LC	–	LIGHTING CIRCUIT
MOD	–	MOTOR OPERATED DAMPER
NL	–	NIGHT LIGHT
NO	–	NUMBER
P	–	POLE
PH	–	PHASE
PRI	–	PRIMARY
RC	–	RECEPTACLE CIRCUIT
RS	–	RIGID STEEL
SCH	–	SCHEDULE
SEC	–	SECONDARY
SN	–	SOLID NEUTRAL
SS	–	STAINLESS STEEL
SW	–	SWITCH
TYP	–	TYPICAL
V	–	VOLTS
W	–	WATTS, WIDE
WP	–	WEATHERPROOF
XFMR	–	TRANSFORMER

ELECTRICAL SYMBOL SCHEDULE

- DUPLEX RECEPTACLE 120V, "X" ABOVE FINISHED FLOOR
- 240V RECEPTACLE. COORDINATE MOUNTING HEIGHT WITH GC.
- CTR GFI — ABOVE COUNTER MOUNTED 20A–120V GFI RECEPTACLE.
- GFI — GROUND FAULT DUPLEX RECEPTACLE
- 120V QUAD RECEPTACLE
- DEDICATED 120V–20A RECEPTACLE "X" ABOVE FINISHED FLOOR
- HARDWIRE CIRCUIT
- WP GFI — WATER–PROOF GROUND FAULT DUPLEX RECEPTACLE
- ELECTRICAL PANEL
- JB — JUNCTION BOX
- FB — FLOOR BOX
- DISCONNECT SWITCH
- 1P BREAKER FEED W/CIRCUIT & PANEL
- 2P BREAKER FEED W/CIRCUIT & PANEL
- 3P BREAKER FEED W/CIRCUIT & PANEL
- $DIM — DIMMER SWITCH
- $OS — OCCUPANCY SENSOR TYPE SWITCH
- $ — SINGLE POLE SWITCH–LINE VOLTAGE
- OS — CEILING MOUNTED OCCUPANCY SENSOR
- TELEPHONE/DATA OUTLET
- DATA OUTLET
- D — CEILING MOUNTED SMOKE/CARBON MONOXIDE DETECTOR

LIGHT FIXTURE SCHEDULE (BASIS OF DESIGN)

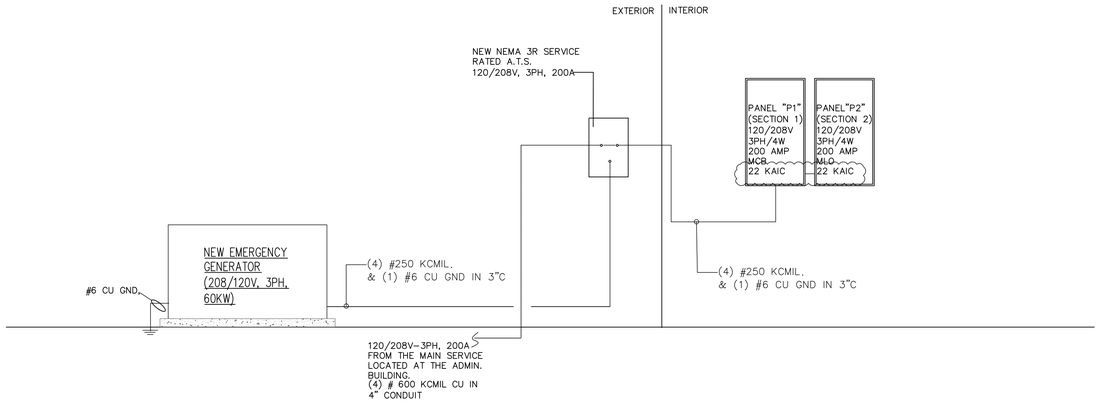
SYMBOL	DESCRIPTION	REMARKS
A	2x4 LED FLAT PANEL, LITHONIA LIGHTING MODEL# EPANL 2x4 4000LM 80CRI 35K MIN10 ZT MVOLT WATTS PER FIXTURE: 39 WATTS	
B	4" SQUARE LED LIGHT FIXTURE BY DIVERSIFIED MODEL# LT23756 WATTS PER FIXTURE: 10 WATTS	
C	MANUFACTURER: "COOPER LIGHTING" MODEL: LXEW4–50HV–FAW–EDU–ELL14 188 WATTS PER FIXTURE.	PROVIDE WITH APPROPRIATE MOUNTING BRACKET
D	LED OUTDOOR WALL PACK LIGHT FIXTURE BY RAYON LIGHTING MODEL T630LED, 20 WATTS PER FIXTURE	
	THOMAS&BETTS, EMERGI–LITE EL2LEDR LED	
	THOMAS&BETTS, EMERGI–LITE ELXN400RN	90 MIN. BATTERY BACK–UP
	COMBINATION EMERGENCY LIGHTING DUAL HEAD/EXIT SIGN BACK–UP BATTERY UNIT THOMAS&BETTS, EMERGI–LITE ELXN400R–2LEDR LED	90 MIN. BATTERY BACK–UP
	DUAL HEAD REMOTE LIGHTING HEADS THOMAS&BETTS, EMERGI–LITE EF44DLEDWP LED	



1. GROUND ROD GROUNDING ELECTRODE CONDUCTOR.
2. STEEL GROUNDING ELECTRODE CONDUCTOR.
3. NEUTRAL BUS.
4. BOLTED CONNECTION.
5. 10'–0" X 5/8" COPPER CLAD GROUND ROD.
6. REINFORCING STEEL GROUNDING ELECTRODE CONDUCTOR BARE.
7. METALLIC WATER MAIN 10'–0" MINIMUM LENGTH.
8. 1/2"ø MINIMUM REBAR 20'–0" MINIMUM LENGTH.
9. THERMITE WELD WITH ASPHALTUM COATING.
10. WATER SERVICE GROUNDING ELECTRODE CONDUCTORS.
11. WATER METER.
12. BONDING JUMPER BOLTED CONNECTIONS.
13. SERVICE ENTRANCE EQUIPMENT.

NOTES: SEE ONE LINE DIAGRAM FOR REQUIRED GROUNDS AND GROUNDING ELECTRODE SIZES. GROUNDING ELECTRODE CONDUCTORS SHALL BE UNSPLICED INSULATED COPPER UNLESS OTHERWISE NOTED.

SERVICE ENTRANCE GROUNDING DETAIL
SCALE: NTS



TYPICAL ELECTRICAL SERVICE RISER DIAGRAM
SCALE: NTS

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PROJECT
PUBLIC WORKS BUILDING

2290 GILBERTSVILLE ROAD
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ARCHITECT
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COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL ENGINEER
MICHAEL S. FASSIK
No. PE042616

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SUBMISSIONS

NO.	ISSUE DESCRIPTION	DATE
	BID DOCUMENTS	03/28/25
	ADDENDUM #01	04/14/25
	PERMIT REVIEW COMMENTS	06/18/25
	PERMIT SET	06/20/25

REGISTRATION

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551 MAIN STREET
SUITE 205
BETHLEHEM, PA
18018
610.419.4055

SHEET TITLE

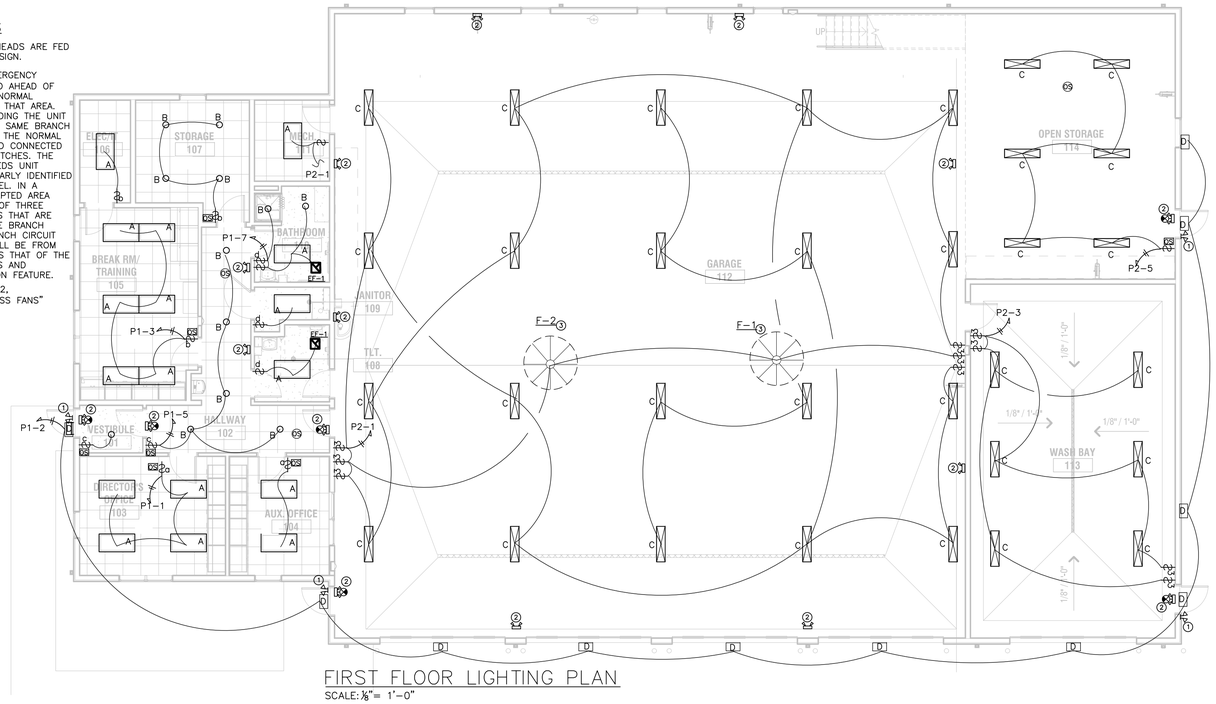
ELECTRICAL NOTES

DATE	03/31/25
SCALE	AS NOTED
DRAWN BY	
CHECKED BY	
JOB NO	

E1.0PW

LIGHTING KEY NOTES

1. EXTERIOR DUAL REMOTE HEADS ARE FED FROM THE INTERIOR EXIT SIGN.
2. ALL UNIT EQUIPMENT (EMERGENCY LIGHTING) SHALL BE WIRED AHEAD OF SWITCH OR CONTROL OF NORMAL LIGHTING CIRCUIT SERVING THAT AREA. THE BRANCH CIRCUIT FEEDING THE UNIT EQUIPMENT SHALL BE THE SAME BRANCH CIRCUIT AS THAT SERVING THE NORMAL LIGHTING IN THE AREA AND CONNECTED AHEAD OF ANY LOCAL SWITCHES. THE BRANCH CIRCUIT THAT FEEDS UNIT EQUIPMENT SHALL BE CLEARLY IDENTIFIED AT THE DISTRIBUTION PANEL. IN A SEPARATE AND UNINTERRUPTED AREA SUPPLIED BY A MINIMUM OF THREE NORMAL LIGHTING CIRCUITS THAT ARE NOT PART OF A MULTIWIRE BRANCH CIRCUIT, A SEPARATE BRANCH CIRCUIT FOR UNIT EQUIPMENT SHALL BE FROM THE SAME PANELBOARD AS THAT OF THE NORMAL LIGHTING CIRCUITS AND PROVIDED WITH A LOCK-ON FEATURE.
3. CEILING FAN F-1 AND F-2, MANUFACTURED BY "BIG ASS FANS" MODEL es6 72".



FIRST FLOOR LIGHTING PLAN

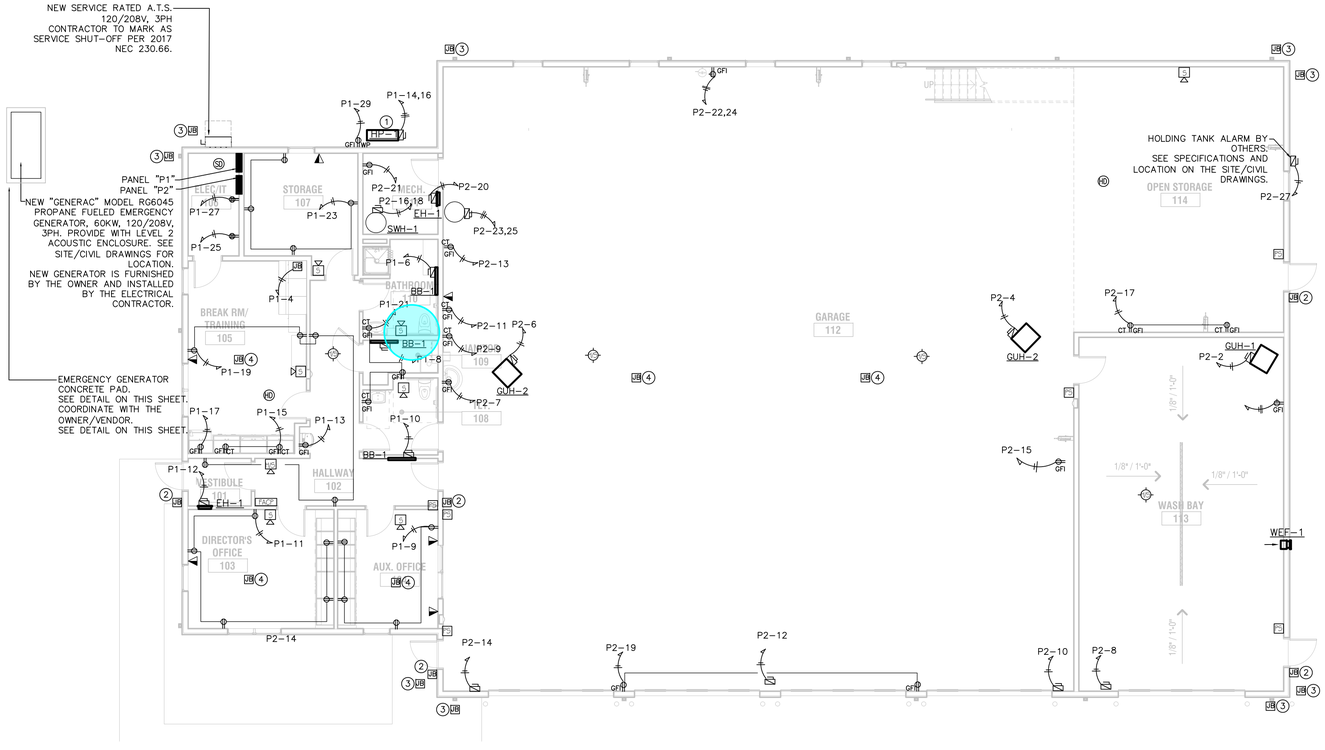
SCALE: ⅛"= 1'-0"

NEW' PANEL 'P1 (SECTION 1)' 120/208 VOLT, 3 PHASE, 4 WIRE, 200A MCB

ITEM	CKT	TRIP	WIRE	GRND	LOAD KVA	A	B	C	LOAD KVA	GRND	WIRE	TRIP	CKT	ITEM
LIGHTING CIRCUIT "a"	1	20	12	12	0.25	X			1.50	12	12	20	2	EXTERIOR LIGHTING CIRCUIT VIA PHOTOCELL
LIGHTING CIRCUIT "b"	3	20	12	12	0.50		X		0.50	12	12	20	4	LOCKER JUNCTION BOX
LIGHTING CIRCUIT "c"	5	20	12	12	0.50			X	0.75	12	12	20	6	BB-1
LIGHTING CIRCUIT "d"	7	20	12	12	0.50	X			0.75	12	12	20	8	BB-1
RECEPTACLES	9	20	12	12	1.00		X		0.75	12	12	20	10	BB-1
RECEPTACLES	11	20	12	12	1.00			X	1.50	12	12	20	12	EH-1
RECEPTACLES	13	20	12	12	1.00	X			7.50	10	8	40	14	HP-1
RECEPTACLES	15	20	12	12	1.00		X						16	
RECEPTACLES	17	20	12	12	1.00			X					18	
RECEPTACLES	19	20	12	12	1.00	X							20	
RECEPTACLES	21	20	12	12	1.00		X						22	
RECEPTACLES	23	20	12	12	1.00			X					24	
RECEPTACLES	25	20	12	12	1.00	X							26	
RECEPTACLES	27	20	12	12	1.00		X						28	
RECEPTACLES	29	20	12	12	1.00			X					30	
	31					X							32	
	33						X						34	
	35							X					36	
	37					X							38	
	39						X						40	
	41							X					42	

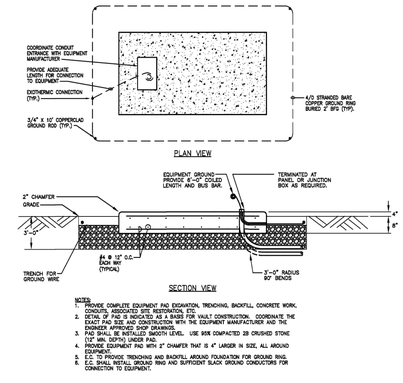
NEW' PANEL 'P2 (SECTION 2)' 120/208 VOLT, 3 PHASE, 4 WIRE, 200A MLO

ITEM	CKT	TRIP	WIRE	GRND	LOAD KVA	A	B	C	LOAD KVA	GRND	WIRE	TRIP	CKT	ITEM
LIGHTING CIRCUIT	1	20	12	12	1.40	X			1.00	12	12	20	2	GUH-1
LIGHTING CIRCUIT	3	20	12	12	0.50		X		1.00	12	12	20	4	GUH-2
LIGHTING CIRCUIT	5	20	12	12	0.50			X	1.00	12	12	20	6	GUH-2
RECEPTACLES	7	20	12	12	1.00	X			1.50	12	12	20	8	GARAGE DOOR OPERATOR
RECEPTACLES	9	20	12	12	1.00		X		1.50	12	12	20	10	GARAGE DOOR OPERATOR
RECEPTACLES	11	20	12	12	1.00			X	1.50	12	12	20	12	GARAGE DOOR OPERATOR
RECEPTACLES	13	20	12	12	1.00	X			1.50	12	12	20	14	GARAGE DOOR OPERATOR
RECEPTACLES	15	20	12	12	1.00		X		4.50	10	10	30	16	SWH-1
RECEPTACLES	17	20	12	12	1.00			X					18	
RECEPTACLES	19	20	12	12	1.00	X			1.50	12	12	20	20	EH-1
RECEPTACLES	21	20	12	12	1.00		X		3.00	12	12	20	22	WELDER RECEPTACLE
AIR COMPRESSOR	23	30	10	10	4.50			X					24	
	25					X							26	
HOLDING TANK ALARM CIRCUIT	27	20	12	12	0.20		X						28	
	29							X					30	
	31					X							32	
	33						X						34	
	35							X					36	
	37					X							38	
	39						X						40	
	41							X					42	
									NEW MAX LOAD (NO DIVERSITY) 59.1 KVA(164.5 A)					



FIRST FLOOR POWER & FIRE ALARM PLAN

SCALE: ⅛"= 1'-0"



NOTES:
1. PROVIDE COMPLETE EQUIPMENT PAD EXCAVATION, TRENCHING, BACKFILL, CONCRETE WORK, CONDUITS, ARRANGEMENT, ETC. AS REQUIRED.
2. DETAIL OF PAD IS INDICATED AS A BASIS FOR VAULT CONSTRUCTION. COORDINATE THE EXACT PAD SIZE AND CONSTRUCTION WITH THE EQUIPMENT MANUFACTURER AND THE ENGINEER APPROVED SHOP DRAWINGS.
3. PAD SHALL BE INSTALLED SMOOTH LEVEL. USE 95% COMPACTED 2B CRUSHED STONE (TYP.) ROOFING UNDER PAD.
4. PROVIDE EQUIPMENT PAD WITH 2" CHAMFER THAT IS 4" LARGER IN SIZE, ALL AROUND EQUIPMENT.
5. E.C. TO PROVIDE TRENCHING AND BACKFILL AROUND FOUNDATION FOR GROUND RING.
6. E.C. SHALL INSTALL GROUND RING AND SUFFICIENT SLACK GROUND CONDUCTORS FOR CONNECTION TO EQUIPMENT.

EMERGENCY GENERATOR PAD DETAIL

SCALE: NTS

POWER KEY NOTES

1. OUTDOOR HEAT PUMP UNIT TO POWER ALL INDOOR AIR HANDLING UNITS. CONTRACTOR TO PROVIDE WIRING PER MANUFACTURER'S RECOMMENDATION.
2. ELECTRICAL CONTRACTOR TO PROVIDE JUNCTION BOX WITH CONDUIT AND PULL STRING FOR DOOR ACCESS. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH THE SECURITY DRAWINGS.
3. ELECTRICAL CONTRACTOR TO PROVIDE ELECTRICAL JUNCTION BOX WITH CONDUIT AND PULL STRING FOR SECURITY CAMERAS. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH THE SECURITY DRAWINGS.
4. ELECTRICAL CONTRACTOR TO PROVIDE CEILING JUNCTION BOX WITH POWER OUTLET AND DATA OLET FOR WIFI ACCESS DEVICES. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH THE IT DRAWINGS.

FIRE ALARM SYMBOL KEY	
FACP	FIRE ALARM CONTROL PANEL
H/S	HORN/STROBE
	CEILING HORN/STROBE
S	STROBE
	CEILING STROBE
A	ANNUNCIATOR
HD	HEAT DETECTOR
SD	SMOKE DETECTOR
PS	PULL STATION
(E)	EXISTING

CABLE SCHEDULE:

ALL WIRING SHALL BE TWISTED SHIELDED PAIR APPROVED FIRE ALARM CABLE (FPPL) #14AWG OR #16AWG AS RECOMMENDED BY MANUFACTURER BASED ON DISTANCE

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REGISTERED PROFESSIONAL ENGINEER
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No. PE042616

PROJECTX DESIGN GROUP
MEP CONSULTING
2433 BLUE JAY DRIVE
NAZARETH, PA 18064
TEL: 610-365-2436, 610-905-1195
EMAIL: RAZGULEA@PROJECTXDG.COM

SUBMISSIONS

NO.	ISSUE DESCRIPTION	DATE
	PERMIT SET	06/20/25

REGISTRATION

ALLOYS
ARCHITECTURE
551 MAIN STREET
SUITE 205
BETHLEHEM, PA
18018
610.419.4055

SHEET TITLE

PUBLIC WORKS BUILDING ELECTRICAL PLAN

DATE	03/31/25
SCALE	AS NOTED
DRAWN BY	
CHECKED BY	
JOB NO.	

E2.0PW

HIGHWAY OCCUPANCY PERMIT PLANS
FOR
UPPER POTTSGROVE MUNICIPAL COMPLEX

UPPER POTTSGROVE TOWNSHIP - MONTGOMERY COUNTY - PENNSYLVANIA

GENERAL PERMIT NOTES:

1. THE EXISTING SPEED LIMIT ON S.R. 4040 IS 40 M.P.H.
2. THE RIGHT-OF-WAY IS FREE ACCESS.
3. ALL THE WORK IN PA STATE HIGHWAY RIGHT-OF-WAY IS TO BE PERFORMED CONSISTENCT WITH THE FOLLOWING:

   PENNDOT PUBLICATION 13M, DESIGN MANUAL PART 2 - HIGHWAY DESIGN
   PENNDOT PUBLICATION NO. 34, APPROVED AGGREGATE PRODUCERS (BULLETIN 14)
   PENNDOT PUBLICATION NO. 35, APPROVED CONSTRUCTION MATERIALS (BULLETIN 15)
   PENNDOT PUBLICATION NO. 41, PRODUCERS OF BITUMINOUS MATERIAL (BULLETIN 41)
   PENNDOT PUBLICATION NO. 42, PRODUCERS OF READY-MIX CONCRETE (BULLETIN 42)
   PENNDOT PUBLICATION NO. 46, TRAFFIC ENGINEERING MANUAL
   PENNDOT PUBLICATION NO. 72M, STANDARDS FOR ROADWAY CONSTRUCTION
   PENNDOT PUBLICATION NO. 111, PAVEMENT MARKINGS AND SIGNAGE STANDARDS
   PENNDOT PUBLICATION NO. 212, OFFICAL TRAFFIC CONTROL DEVICES
   PENNDOT PUBLICATION NO. 213, TEMPORARY TRAFFIC CONTROL GUIDELINES
   PENNDOT PUBLICATION NO. 408, SPECIFICATIONS
4. THE DRIVEWAY HAS BEEN DESIGNED (AND WILL BE CONSTRUCTED AND MAINTAINED) CONSISTENT WITH TITLE 67, CHAPTER 441 REGULATIONS.
5. PA STATE HIGHWAY RIGHT-OF-WAY MAY NOT BE USED FOR PARKING.
6. PERMITTEE IS RESPONSIBLE FOR MAINTENANCE OF ALL AUTHORIZED STRUCTURES, FACILITIES, AND DRAINAGE.
7. PERMITTEE IS RESPONSIBLE FOR MAINTENANCE OF ALL AUTHORIZED SIGNS AND PAVEMENT MARKINGS.
8. THREE TO TEN WORKING DAYS PRIOR TO EXCAVATION BASED ON THE COMPLEXITY OF THE PROJECT, THE CONTRACTOR MUST CONTACT THE PA ONE CALL SYSTEM, INC., PHONE 1-800-242-1776, SERIAL NO. 20243300770 FOR UPPER POTTSGROVE TOWNSHIP. ADDITIONAL INFORMATION IS AVAILABLE AT http://www.paticall.org/PA811/Public/.
9. THE CONTRACTOR IS REQUIRED TO NOTIFY THE DEPARTMENT AND SUBMIT AN ALLEGED VIOLATION REPORT (AVR) TO THE PA PUBLIC UTILITY COMMISSION THROUGH THE PA ONCE CALL SYSTEM, WWW.PATCALL.ORG, WITHIN TEN (10) BUSINESS DAYS AFTER A UTILITY LINE IS STRUCK, DAMAGED, OR PREVIOUS DAMAGE IS DISCOVERED AS REQUIRED BY PENNSYLVANIA'S UNDERGROUND UTILITY LINE PROTECTION LAW ACT 50 (P.L. 852, NO 287 AMENDED OCT. 30, 2017.)
10. DRIVEWAY IS CLASSIFIED AS: LOW VOLUME (51-1500 ADT).
11. ANTICIPATED AVERAGE DAILY TRAFFIC (ADT) FOR THE PROPOSED ACCESS IS:

    50 CARS
    10 SINGLE UNIT TRUCKS AND COMBINATIONS

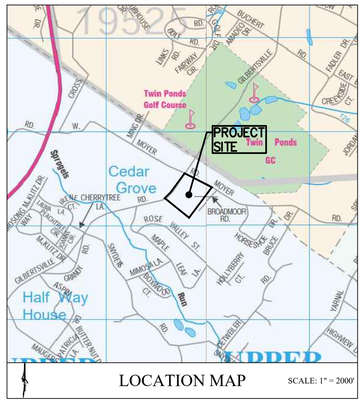
12. DISTANCE TO THE NEAREST INTERSECTION IS: RT 209 FT, LT 1,584 FT.
    DISTANCE TO THE NEAREST TRAFFIC SIGNAL IS 4,752 FT;
    DISTANCE TO THE NEAREST OPPOSITE DRIVEWAY IS: RT 244 FT, LT 886 FT.
    DISTANCE TO THE NEAREST ADJACENT DRIVEWAY IS: RT 918 FT, LT 600 FT.
13. IF A TRAFFIC SIGNAL IS WITHIN 500 FEET OF THE SITE, CALL THE DISTRICT TRAFFIC ENGINEER AT LEAST 3 DAYS PRIOR TO THE START OF WORK.
14. THIS PERMIT MAY BE RESTRICTED ON WORKING HOURS AND TIMES FOR HOLIDAYS, WEEKENDS, AND SPECIAL OR UNFORESEEN EVENTS AND WILL REQUIRE APPROVAL FROM THE COUNTY OFFICE PRIOR TO WORKING DURING THESE PERIODS.
15. THE PERMITTEE'S CONTRACTOR SHALL SAWCUT AND REMOVE SHOULDER MATERIAL AS NECESSARY TO ENSURE THE PAVEMENT REPLACEMENT IS ADJACENT TO THE FULL-DEPTH PAVEMENT OF THE TRAVEL LANE.
16. FINAL APPROVAL OF THE PROPOSED SAWCUT LOCATION WILL BE AT THE DISCRETION OF THE INSPECTOR-IN-CHARGE AND WILL BE CONFIRMED AT THE PRE-CONSTRUCTION MEETING. IF THE SAWCUT MUST BE LOCATED WITHIN A TRAVEL LANE, IT WILL BE NECESSARY TO MILL AND OVERLAY THE TRAVEL LANE TO PREVENT A JOINT IN A WHEEL PATH.
17. THE PROPOSED PAVEMENT SECTION MUST BE AS INDICATED ON THE PLAN, OR MATCH THE EXISTING AS FOUND IN THE FIELD, WHICHEVER IS GREATER.
18. PRIOR TO AN OVERLAY, BITUMINOUS OR CONCRETE BASE REPAIR OR JOINT REPLACEMENT MAY BE REQUIRED. REPAIR/REPLACEMENT WILL BE AT THE DISCRETION OF THE INSPECTOR-IN-CHARGE.
19. ALL PAVEMENT MARKINGS WHICH ARE NO LONGER APPROPRIATE SHALL BE ERADICATED BY THE PERMITTEE. THE PERMITTEE SHALL PLACE ALL REQUIRED NEW PAVEMENT MARKINGS.
20. ALL PAVEMENT MARKINGS OTHER THAN LONGITUDINAL LINES TO BE HOT THERMOPLASTIC (PENNDOT PUBLICATION 111, TC-8600).
21. MATCH EXISTING PAVEMENT MARKINGS AT THE LIMITS OF WORK.
22. MATERIAL CERTIFICATION MUST BE PROVIDED, BY AN APPROVED MANUFACTURER LISTED IN THE DEPARTMENT'S PUBLICATION 35 (BULLETIN 15), FOR ALL MATERIALS AND STRUCTURES WITHIN PENNDOT RIGHT-OF-WAY.
23. THE PERMITTEE SHALL CONTACT THE COUNTY MAINTENANCE MANAGER AT THE TIME OF THE GUIDE RAIL REMOVAL; ALL EXISTING GUIDE RAIL TO BE REMOVED SHALL BE TRANSPORTED TO AND STORED AS PER THE DIRECTION FROM THE COUNTY MAINTENANCE MANAGER OR REPRESENTATIVE.
24. ALL THE PROPOSED PEDESTRIAN FACILITIES REFLECTED ON THESE PLANS, INCLUDING THOSE THAT ARE OUTSIDE OF PENNDOT LEGAL RIGHT-OF-WAY, SHALL BE CONSTRUCTED TO COMPLY WITH THE REQUIREMENTS OF THE U.S. ACCESS BOARD, PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES OF BUILDINGS (PROWAG) OF THE ACCESSIBILITY GUIDELINES OF BUILDINGS AND FACILITIES (ADAAG). PENNDOT DESIGN MANUAL PART 2, CHAPTER 6, AND PENNDOT STANDARDS FOR ROADWAY CONSTRUCTION (PENNDOT PUBLICATION 72M, RC-67M) PROVIDE GUIDANCE ON ADA ACCESSIBLE DESIGN FOR PEDESTRIAN FACILITIES AND CAN BE UTILIZED FOR REFERENCE.
25. CONSTRUCT ALL PROPOSED PEDESTRIAN FACILITIES ON THESE PLANS TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT, PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG), AND THE 2010 ADA STANDARDS.
26. ALL SLOPE MEASUREMENTS WILL BE INSPECTED/VERIFIED WITH A 2-FOOT SMART LEVEL.
27. IT IS THE RESPONSIBILITY OF THE PERMITTEE TO REMOVE ANY DEBRIS AND FLUSH OUT ALL EXISTING AND NEW STORM DRAINAGE FACILITIES WITHIN THE PROJECT LIMITS AT THE COMPLETION OF THE CONSTRUCTION.
28. MODIFICATIONS TO EXISTING DRAINAGE STRUCTURES MAY RESULT IN THE NEED TO REPLACE THE STRUCTURE. REPLACEMENT WILL BE AT THE DISCRETION OF THE INSPECTOR-IN-CHARGE.
29. STRUCTURAL STEEL BICYCLE SAFE GRATES MUST BE PROVIDED FOR ALL INLETS WITHIN THE ROADWAY PAVEMENT OR THOSE THAT MAY RECEIVE BICYCLE TRAFFIC (PENNDOT PUBLICATION 72M, RC-45M).
30. THE RESPONSIBILITY FOR ENSURING THAT ALL UTILITY POLES WITHIN THE PROPOSED PAVING ARE RELOCATED OUTSIDE OF PAVED AREAS AND SHOULDERS SHALL BE THAT OF THE PERMITTEE. THE UTILITY POLES MUST BE RELOCATED BEFORE THE START OF ANY PAVING OPERATIONS.
31. THE PERMITTEE IS RESPONSIBLE FOR THE COORDINATION OF RELOCATING ANY CONFLICTING UTILITIES WHICH ARE A RESULT OF THESE IMPROVEMENTS.
32. ALL UTILITY RELOCATION PERMITS TAKE PRECEDENCE OVER THE UTILITY RELOCATION POSITIONS SHOWN ON THE HOP PLANS.
33. CLEAN ALL EXISTING DRAINAGE FACILITIES (INCLUDING BUT NOT LIMITED TO INLETS, MANHOLES, AND PIPES) WITHIN THE PROJECT LIMITS.
34. VERIFY EXISTING AND PROPOSED DRAINAGE INVERT AND TG ELEVATIONS PRIOR TO FINAL PLACEMENTS. ANY DISCREPANCIES BETWEEN THE PLAN INFORMATION AND ACTUAL FIELD MEASUREMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE INSPECTOR-IN-CHARGE IMMEDIATELY.

MAINTENANCE AND PROTECTION OF TRAFFIC (MPT) NOTES:

1. THIS WORK CONSISTS OF THE MAINTENANCE AND PROTECTION OF TRAFFIC AND THE PROTECTION OF THE PUBLIC WHEN APPROACHING AND DEPARTING THE CONSTRUCTION AREA AND WITHIN THE LIMITS OF CONSTRUCTION.
2. FURNISH, ERECT, PLACE, AND MAINTAIN TRAFFIC CONTROL SIGNS AND DEVICES. MAINTAIN TRAFFIC DURING HOURS OF CONSTRUCTION AND AT ALL OTHER TIMES CONSISTENT WITH THE METHODS INDICATED ON THESE DRAWINGS AND THE FOLLOWING:

   PENNDOT PUBLICATION 35, APPROVED CONSTRUCTION MATERIALS (BULLETIN 15)
   PENNDOT PUBLICATION 46, TRAFFIC ENGINEERING MANUAL
   PENNDOT PUBLICATION 72M, STANDARDS FOR ROADWAY CONSTRUCTION
   PENNDOT PUBLICATION 111, PAVEMENT MARKINGS AND SIGNING STANDARDS
   PENNDOT PUBLICATION 212, OFFICIAL TRAFFIC CONTROL DEVICES
   PENNDOT PUBLICATION 213, TEMPORARY TRAFFIC CONTROL GUIDELINES
   PENNDOT PUBLICATION 236, HANDBOOK OF APPROVED SIGNS
   PENNDOT PUBLICATION 408, SPECIFICATIONS
   MUTCD, CURRENT EDITION

3. REMOVE THESE DEVICES IMMEDIATELY UPON COMPLETION OF THE WORK. PENNDOT WILL REMOVE ANY TRAFFIC CONTROL DEVICES ERECTED BY DEPARTMENT FORCES.
4. PERMITEE MUST ARRANGE FOR INSPECTION OF ALL TRAFFIC CONTROL DEVICES PRIOR TO START OF WORK.
5. COVER OR REMOVE ALL CONFLICTING SIGNS AND ERADICATE ALL CONFLICTING PAVEMENT MARKINGS.
6. MOUNT ALL LONG-TERM ADVANCE WARNING SIGNS ON TYPE 111 BARRICADES UNLESS OTHERWISE NOTED OR INSTRUCTED BY THE DISTRICT OFFICE.
7. ALL SIGNS AND DEVICES TO BE MAINTAINED IN NEW OR LIKE NEW CONDITION.
8. DRIVEWAYS WILL BE KEPT ACCESSIBLE AT ALL TIMES. LOCATE ALL SIGNS SO THAT SIGHT DISTANCES WILL NOT BE OBSTRUCTED AT DRIVEWAYS AND LOCAL ROADS.
9. ALL CHANNELIZING DEVICES, BARRICADES, AND SIGNS SHALL HAVE 111 OR BETTER PRISMATIC RETROREFLECTIVE SHEETING. SHEETING SHALL BE APPROVED AND LISTED IN PENNDOT PUBLICATION 35 (BULLETIN 15).
10. PERMITEE SHALL NOTIFY LOCAL EMERGENCY AUTHORITIES (E.G., POLICE, FIRE, MEDICAL), AFFECTED BUSINESSES, SCHOOL DISTRICT(S), THE GENERAL PUBLIC, THE DISTRICT PERMIT MANAGER AND THE DISTRICT APRAS COORDINATOR AT LEAST FOURTEEN (14) DAYS PRIOR TO ANY SIGNIFICANT TRAFFIC IMPACTS (E.G., LATERAL WIDTH RESTRICTIONS LESS THAN 16 FEET, DETOURS).
11. MAINTENANCE AND PROTECTION OF TRAFFIC DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH APPLICABLE PATA DRAWING 107, IN THE CURRENT PENNDOT PUBLICATION 213, "TEMPORARY TRAFFIC CONTROL GUIDELINES".
12. DROPOFFS CREATED BY CONSTRUCTION OPERATIONS SHALL BE TREATED CONSISTENT WITH PUBLICATION 408, SECTION 901.3(J).
13. REMOVE ALL SHORT-TERM WORK ZONE TRAFFIC CONTROL SIGNING UPON COMPLETION OF THAT DAY'S WORK PERIOD.
14. RESTRICTING TRAFFIC FLOW WITHIN THE WORK AREA SHALL BE MINIMIZED TO PREVENT TRAFFIC CONGESTION AND UNSAFE TRAFFIC CONDITIONS.
15. NOTIFY THE LOCAL MUNICIPALITY WHERE SIGNALIZED INTERSECTIONS FALL WITHIN THE WORK ZONE. DO NOT FLAG A SIGNALIZED INTERSECTION WITHOUT THE MUNICIPALITY PLACING THE SIGNAL ON FLASH.
16. THE CONTRACTOR SHALL COMPLY WITH ACT 229 OF DECEMBER 2002 DURING CONSTRUCTION ACTIVITIES WITHIN PENNDOT'S RIGHT-OF-WAY.
17. UTILIZE PENNDOT PUBLICATION 213, WORK ZONE TRAFFIC CONTROL PATA 107 FOR SIGNAGE AND DEVICE SET UP.
18. MAINTAIN EXISTING PEDESTRIAN FACILITIES/ACCESS THROUGHOUT THE PROJECT DURATION. UTILIZE PENNDOT PUBLICATION 213, WORK ZONE TRAFFIC CONTROL PATA 107 FOR SHORT-TERM DURATION.
19. ALL FLAGGERS TO WEAR YELLOW/GREEN (ANSI II) APPAREL AND LEGGINGS. ANSI II APPAREL IS REQUIRED DURING HOURS OF DARKNESS AND FOR ALL HIGHWAY WORKERS.



LOCATION MAP SCALE: 1" = 2000'

SHEET INDEX

SHEET	LAST REVISED	TITLE
1	04/18/2025	COVER SHEET
2	04/18/2025	EXISTING FEATURES PLAN (1"=40')
3	04/18/2025	SITE/ RECORD PLAN (1"=40')
4	04/18/2025	DETAILS

(4 SHEETS TOTAL)

CVE JOB # 22096-2000
EPS NO. 372604
STATE ROUTE 4040 (GILBERTSVILLE ROAD)
IN UPPER POTTSGROVE TOWNSHIP
MONTGOMERY COUNTY

FROM SEG 0090 OFFSET 1879 TO SEG 0090 OFFSET 1900 LENGTH 231 FT 0.4 MI

ChesterValley ENGINEERS, INC.
112 Moores Road, Suite 200, Malvern, PA 19355
610-644-4623 | 610-889-3143 Fax
www.chesterv.com

SITE ADDRESS:
2290 GILBERTSVILLE RD,
POTTSTOWN, PA 19464

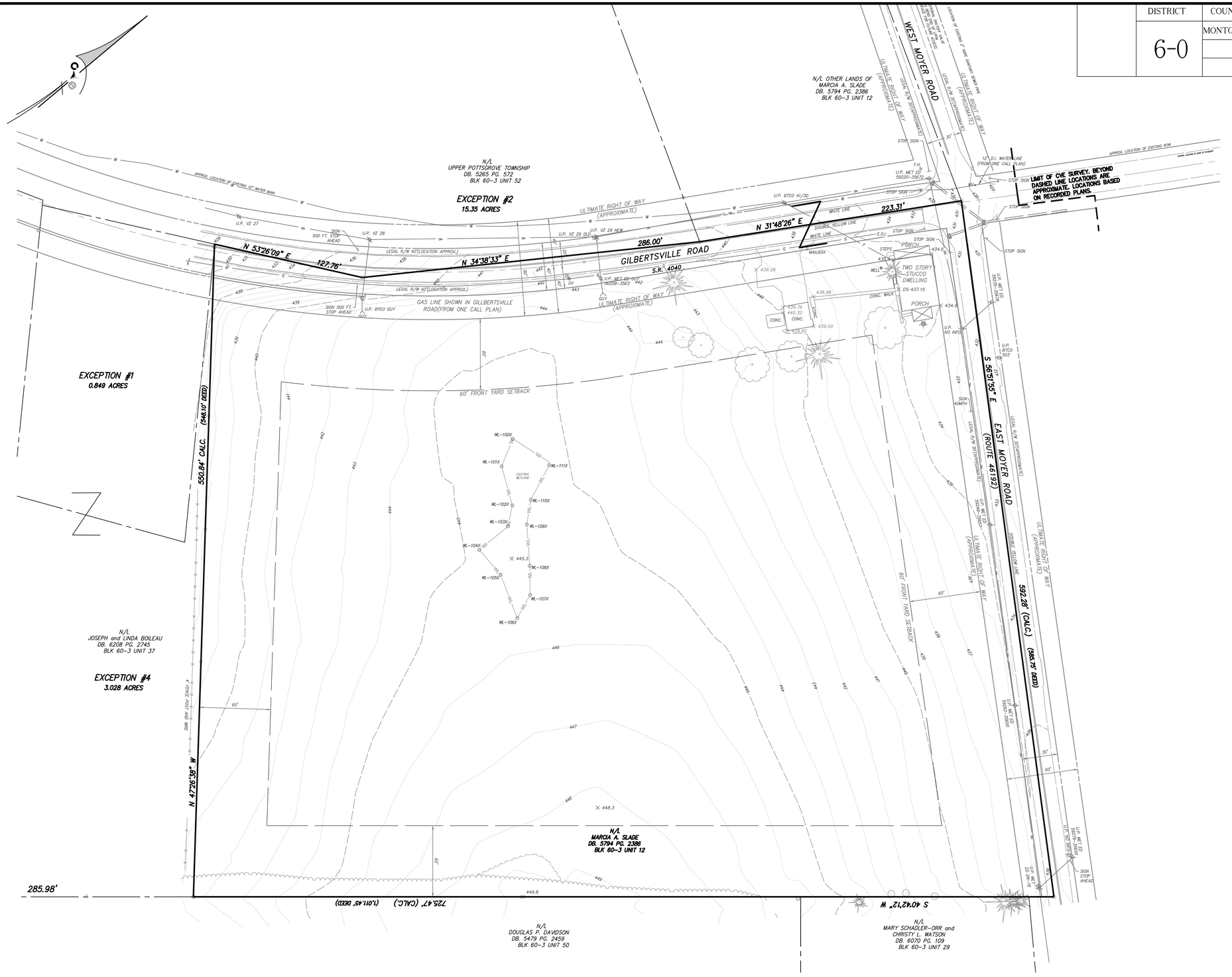
ARCHITECT:
ALLOY5 ARCHITECTURE
530 WEST BROAD STREET
BETHLEHEM, PA 18018
610-419-4055

OWNER:
UPPER POTTSGROVE TOWNSHIP
1409 FARMINGTON AVENUE,
POTTSTOWN , PA, 19464
PHONE - (610) 323-8675

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL MICHAEL JOSEPH JORGE ENGINEER PE079994

HIGHWAY OCCUPANCY PERMIT PLANS
FOR UPPER POTTSGROVE MUNICIPAL BUILDING
CVE PROJECT #: 22096-2000

DISTRICT	COUNTY	TOWNSHIP	BOROUGH	ROUTE	SECTION	TOTAL SHEETS
6-0	MONTGOMERY	UPPER POTTSGROVE	----------	4040	----------	4



EXISTING FEATURES

- 201 — EXISTING 1' CONTOURS
- 205 — EXISTING 5' CONTOURS
- × 212.20 — EXISTING SPOT ELEVATION
- EXISTING PROPERTY BOUNDARY
- EXISTING RIGHT OF WAY (LEGAL R/W)
- BUILDING SETBACK
- E.O.P. — EXISTING EDGE OF PAVING
- EcB2 / BdA — SOILS LINE AND DESCRIPTION
- OH — EXISTING OVERHEAD WIRES
- W — EXISTING WATER LINE
- EXISTING HDPE PIPE
- WL — EXISTING WETLAND BOUNDARY
- EXISTING FIRE HYDRANT
- EXISTING INLETS
- EXISTING UTILITY POLE
- EXISTING TRAFFIC CONTROL SIGNS
- TP1 — INFILTRATION TESTING LOCATION
- EXISTING DECIDUOUS TREE
- EXISTING CONIFEROUS TREE
- EDGE OF BRUSH
- EXISTING MANHOLE (SAN, STORM, GAS, WATER, ELECTRIC, TELEPHONE, ETC.)
- STEEP SLOPES 15->

NOTES:

BEING MONTGOMERY COUNTY UPI #23-5-22
2290 GILBERTSVILLE ROAD, POTTSTOWN, PA. 19464.

1. DEED REFERENCE: DEED BOOK 5794 PAGE 2385
2. THIS PLAN WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT.
3. THE DWELLING IS SERVICED BY PRIVATE WATER AND PRIVATE SEWER.
4. ELEVATIONS BASED UPON NAVD88 ESTABLISHED BY GPS OBSERVATIONS PERFORMED BY CHESTER VALLEY ENGINEERS, INC. UTILIZING THE OPUS SOLUTION TO GPS OBSERVATION.
5. BEARINGS ARE BASED ON NAD83 PENNSYLVANIA STATE PLANE, SOUTH ZONE, COORDINATE SYSTEM BY GPS OBSERVATION PERFORMED BY CHESTER VALLEY ENGINEERS.
6. UTILITIES SHOWN FROM ABOVE GROUND OBSERVATIONS ONLY.
7. TOPOGRAPHY AND IMPROVEMENTS SHOWN FROM PHYSICAL FIELD SURVEY PREFORMED IN NOVEMBER, 2024 BY CHESTER VALLEY ENGINEERS, INC.
8. BY GRAPHIC PLOTTING ONLY, THE PREMISES SHOWN HEREON DOES NOT LIE WITHIN A SPECIAL FLOOD HAZARD ZONE. THE PREMISES LIES WITHIN AN AREA DESIGNATED AS ZONE X AS SHOWN ON FLOOD INSURANCE RATE MAPS (FIRM) 42029C0067G, MAP REVISED: MARCH 2, 2016, AND MAP 42029C0086G MAP REVISED: MARCH 2, 2016.
9. RIGHT OF WAY INFORMATION; FROM DEPARTMENT OF HIGHWAYS FINAL DRAWINGS FOR CONSTRUCTION AND CONDEMNATION OF RIGHT OF WAY, ROUTE NO. 46179, IN MONTGOMERY COUNTY FROM STATION 0+1416 TO STATION 150+96.7. SHEET 6 OF 14. APPROVED AUGUST 8, 1938.
10. SOILS INFORMATION TAKEN FROM USDA WEB SOIL SURVEY WEB SITE.
11. ULTIMATE RIGHT OF WAYS DERIVED FROM TOWNSHIP SUBDIVISION AND LAND DEVELOPMENT INFORMATION, CHAPTER 310, SECTION 5, DEFINITIONS.

REFERENCE PLANS

1. PLAN OF PROPERTY FOR HOFFMAN, WALSH AND BOYLES(SLADE) OF PARCEL ID#60-00-01093-00-8, BLOCK 3 UNIT 12. PREPARED BY ASTON SURVEYORS/ENGINEERS, INC. DATED AUGUST 6,2008.
2. BROADMOOR RIDGE SUBDIVISION PLAN PREPARED FOR JOSEPH I. KULP, JR. PREPARED BY RALPH E. SHANER & SON ENGINEERING CO. DATED MARCH 3. 1994 AND RECORDED IN THE OFFICE FOR RECORDING OF DEEDS IN MONTGOMERY COUNTY IN PLAN BOOK A55 PAGE 93.
3. APPROXIMATE EXISTING SANITARY SEWER DATA GRAPHICALLY SHOWN ON WEST MOYER ROAD OBTAINED FROM A PLAN PREPARED BY LTL CONSULTANTS, LTD. (DATED AUGUST 2020).
4. APPROXIMATE EXISTING WATER MAIN DATA GRAPHICALLY SHOWN ON GILBERTSVILLE ROAD, OBTAINED FROM A PLAN BY CONVER AND SMITH ENGINEERING, INC. (PLAN NO. C-07-004 SHEET 03 AND 04 DATED MARCH 13, 2008).

EXISTING FEATURES PLAN

NO.	DATE	REVISION

HIGHWAY OCCUPANCY PERMIT PLANS
FOR
UPPER POTTSGROVE MUNICIPAL COMPLEX
2209 GILBERTSVILLE ROAD
UPPER POTTSGROVE TWP -MONTGOMERY COUNTY - PENNSYLVANIA

ChesterValley ENGINEERS, INC.
112 Moores Road, Suite 200, Malvern, PA 19355
610-644-4623
www.chestervcm.com

PROJECT NO. 22096-2000
F.B.

SCALE	DATE	DRAWN BY	CHECKED BY	DRAWING
1" = 40'	11/21/2024	R.W.	J.B.	

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NOTE TO USER OF THESE PLANS:
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UNIFORM PARCEL IDENTIFIER:

PENNSYLVANIA ACT 187 REQUIREMENTS
UNDERGROUND UTILITIES SERIAL NOs.
CHESTER VALLEY ENGINEERS, INC. DOES NOT GUARANTEE THE ACCURACY OF THE LOCATIONS FOR EXISTING SUBSURFACE UTILITY STRUCTURES SHOWN ON THE PLANS, NOR DOES CHESTER VALLEY ENGINEERS, INC. GUARANTEE THAT ALL SUBSURFACE STRUCTURES ARE SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES BEFORE THE START OF WORK.

EXCAVATIONS...TRENCHING...AND...SHORING
ALL EXCAVATIONS, TRENCHING, AND SHORING OPERATIONS SHALL COMPLY WITH THE REQUIREMENTS OF THE FOLLOWING UNITED STATES DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION PUBLICATIONS OR THE LATEST REVISIONS THERETO:

(1) CONSTRUCTION INDUSTRY STANDARDS AND INTERPRETATIONS (OSHA 2207) SUBPART "P", PART 1926/1910 - "EXCAVATIONS, TRENCHING AND SHORING"
(2) "EXCAVATIONS and TRENCHING OPERATIONS" (OSHA 2226) DATED 1985 (REVISED).

20243300770
SEE SHEET ___ FOR FACILITY OWNERS DESIGNATED OFFICE ADDRESS AND TELEPHONE NUMBER.
PENNSYLVANIA ONE CALL SYSTEM, INC.
CALL 3 WORKING DAYS BEFORE YOU DIG
1-800-242-1776
POCS SERIAL NUMBER: 20243300770

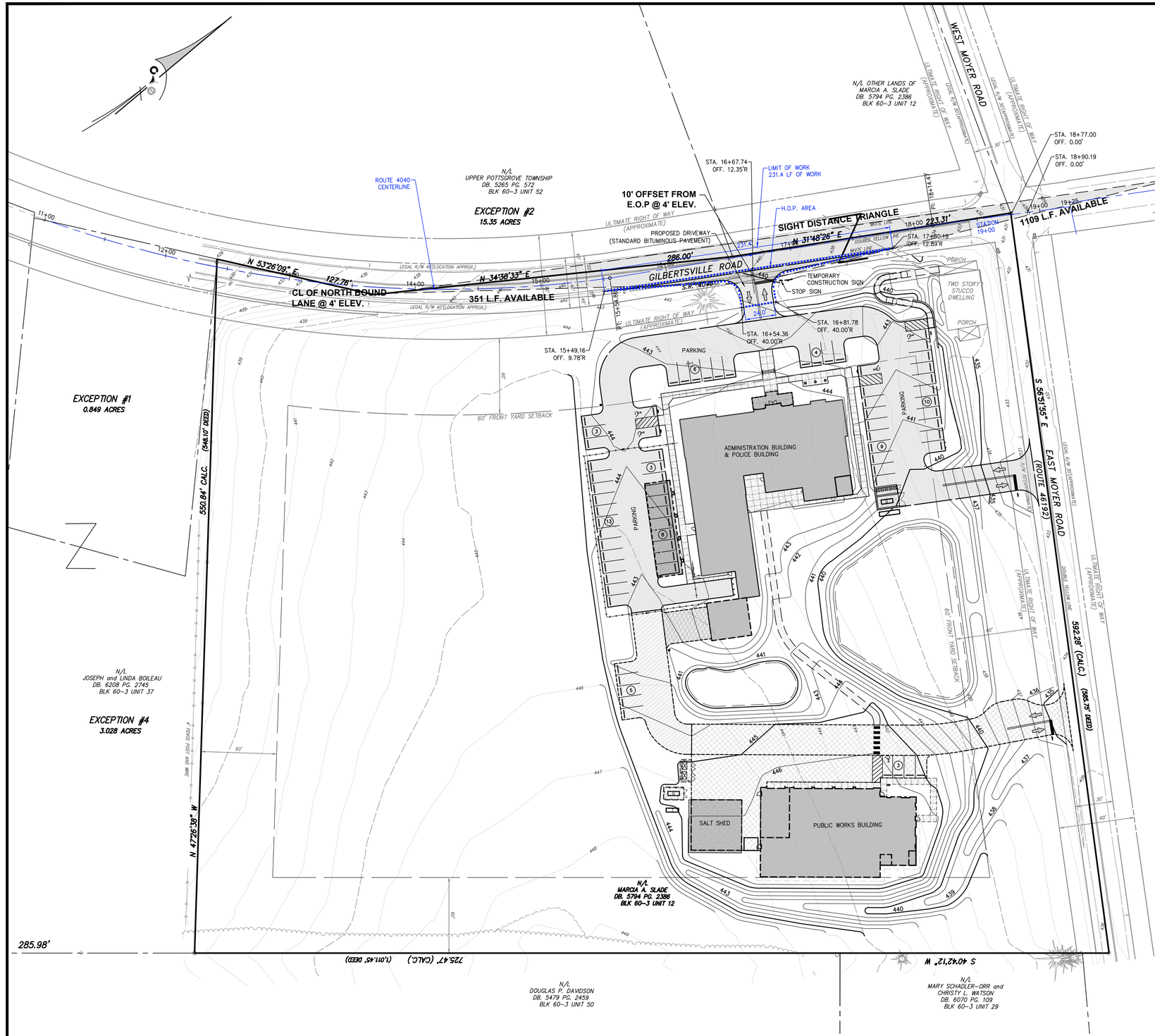
SOILS LIST

SYMBOL	DESCRIPTION	DEPTH TO SEASONALLY HIGH WATER TABLE	DEPTH TO BEDROCK	FREQUENCY OF: FLOODING	FREQUENCY OF: PONDING	HYDROLOGIC SOIL GROUP	HYDRIC SOIL RATING
LEHIGH SILT LOAM							
LhA	0% TO 3% SLOPES	6" - 36"	40"-60"	NONE	NONE	C/D	YES
LhB	3% TO 8% SLOPES	6" - 36"	40"-60"	NONE	NONE	C/D	YES

Scale in Feet
0 10 20 30 40 80 120 160
1" = 40'

REGISTERED PROFESSIONAL
JOSEPH I. KULP, III BLACKBURN
LAND SURVEYOR
No. SU061639
COMMONWEALTH OF PENNSYLVANIA

DISTRICT	COUNTY	TOWNSHIP	BOROUGH	ROUTE	SECTION	TOTAL SHEETS
6-0	MONTGOMERY	UPPER POTTSGROVE	----------	S.R. 4040	----------	4



EXISTING FEATURES

- EXISTING 1' CONTOURS
- EXISTING 5' CONTOURS
- EXISTING SPOT ELEVATION
- EXISTING PROPERTY BOUNDARY
- EXISTING RIGHT OF WAY (LEGAL R/W)
- BUILDING SETBACK
- EXISTING FENCE LINE
- EXISTING EDGE OF PAVING
- SOILS LINE AND DESCRIPTION
- EXISTING OVERHEAD WIRES
- EXISTING WATER LINE
- EXISTING HDPE PIPE
- EXISTING WETLAND BOUNDARY
- EXISTING FIRE HYDRANT
- EXISTING INLETS
- EXISTING UTILITY POLE
- EXISTING TRAFFIC CONTROL SIGNS
- INFILTRATION TESTING LOCATION
- EXISTING DECIDUOUS TREE
- EXISTING CONIFEROUS TREE
- EDGE OF BRUSH
- EXISTING MANHOLE (SAN, STORM, GAS, WATER, WATER, ELECTRIC, TELEPHONE, ETC.)
- STEEP SLOPES 15-->

PROPOSED SITE FEATURES

- PROPOSED STANDARD BITUMINOUS PAVEMENT
- PROPOSED STANDARD BITUMINOUS PAVEMENT (ALT. ITEM)
- PROPOSED HEAVY DUTY BITUMINOUS PAVEMENT (ALT. ITEM)
- FUTURE STANDARD BITUMINOUS PAVEMENT (N.I.C.)
- PROPOSED CONCRETE PAVING
- PROPOSED BUILDING
- PROPOSED PARKING OVERHANG
- PROPOSED PATIO
- PROPOSED PAVEMENT MARKING
- PROPOSED FENCE/GATE
- PROPOSED SPARE CONDUIT
- PROPOSED DRIVE PAVEMENT MARKING
- PROPOSED DUMPSTER
- PROPOSED SIGN
- PROPOSED WHEEL STOP
- PROPOSED HANDICAP MARKING
- PROPOSED BOLLARD
- PROPOSED FLAG POLE
- (1) PARKING STALL QUANTITY
- FUTURE E.V. CHARGING STATION
- PROPOSED POLICE PARKING ACCESS KEY PAD

PROPOSED GRADING FEATURES

- × 443.50 PROPOSED SPOT ELEVATION
- 2% PROPOSED SLOPE
- 443 PROPOSED 1' CONTOURS
- 445 PROPOSED 5' CONTOURS

HOP LEGEND

- ROAD CENTERLINE
- LIMIT OF WORK
- SIGHT DISTANCE TRIANGLE

CONSTRUCTION SEQUENCE

1. INSTALL TEMPORARY TRAFFIC CONTROL DEVICES PER PENNDOT PUBLICATION 213, TITLE 67, CHAPTER 212, SEPARATING THE WORK ZONE FROM TRAFFIC ON GILBERTSVILLE ROAD. MAINTAIN EXISTING LANE WIDTHS IN EACH DIRECTION. TRAFFIC CONTROL SHALL CONFORM TO PATA 107.
2. WHEN PEFORMING DRIVEWAY APRON WORK AND WORK IN THE PENNDOT STATE ROUTE 4040 (GILBERTSVILLE ROAD) RIGHT-OF-WAY, KEEP ONE LANE OPEN FOR THRU TRAFFIC. UTILIZE FLAGGERS AND APPROPRIATE SIGNAGE FOR TRAFFIC CONTROL AS SPECIFIED IN PENNDOT PUBLICATION 213, PATA FIGURE 107.
3. ENSURE FLAGGERS HAVE CORRECT MATERIALS AND ATTIRE ACCORDING TO ANSII II STANDARDS.
4. SAWCUT AT A 45° ANGLE, AND REMOVE PAVEMENT.
5. INSTALL PROPOSED DRIVEWAY APRON AND DRIVEWAY IN THE PENNDOT STATE ROUTE 4040 (GILBERTSVILLE ROAD) RIGHT-OF-WAY.
6. COMPLETE ANY PAVEMENT RESTORATION WORK AND REMOVE TRAFFIC CONTROL DEVICES.
7. CLEAN UP ANY MATERIALS AND DEBRIS FROM INSTALLATION AND REMOVE FROM SITE.

GENERAL NOTES

1. THE EXISTING LAND USE IS AGRICULTURAL. THE PROPOSED LAND USE IS PUBLIC MUNICIPAL.

PENNDOT REQUIRED DRIVEWAY SIGHT DISTANCE

GILBERTSVILLE ROAD		REQUIRED		AVAILABLE	
SLOPE	M.P.H.	LEFT	RIGHT	LEFT	RIGHT
+4%	35*	X	236'	X	1109'
+4%	35*	236'	X	351'	X

*BASED ON SPEED STUDY PERFORMED BY TOWNSHIP POLICE.

REFERENCE PENNDOT CHAPTER 441, PUB. 70, AND M-950S PENNDOT HIGHWAY OCCUPANCY FORM. CLEAR SIGHT DISTANCES ARE MEASURED FROM A DRIVER'S VIEWPOINT EXITING THE DRIVEWAY WITH EYES AT A HEIGHT OF 4' ABOVE A POINT 10' FROM THE EDGE OF INTERSECTING CARTWAY TO VIEW ONCOMING TRAFFIC FROM EITHER DIRECTION AT A HEIGHT OF 4' ABOVE SIGHT CARTWAY.

ALL SIGHT DISTANCE OBSTRUCTIONS (INCLUDING BUT NOT LIMITED TO EMBANKMENTS AND VEGETATION) SHALL BE REMOVED BY THE CONTRACTOR TO PROVIDE A MINIMUM OF 236 FEET OF CONTINUOUS SIGHT DISTANCE TO THE LEFT AND 236 FEET OF CONTINUOUS SIGHT DISTANCE TO THE RIGHT FOR A DRIVER EXITING THE PROPOSED DRIVEWAY ONTO THE STATE HIGHWAY. THE DRIVER MUST BE CONSIDERED TO BE POSITIONED 10 FEET FROM THE EDGE OF THE CLOSEST HIGHWAY THROUGH TRAVEL LANE AT EYE HEIGHT OF FOUR FEET (4'-0") ABOVE THE PAVEMENT SURFACE. THE POINT SIGHTED BY THE EXISTING DRIVER SHALL BE FOUR FEET (4'-0") ABOVE THE PAVEMENT SURFACE LOCATED IN THE CENTER OF THE CLOSEST HIGHWAY TRAVEL LANE DESIGNATED FOR USE BY APPROACHING TRAFFIC. THIS SIGHT DISTANCE SHALL BE MAINTAINED BY THE CONTRACTOR.

Scale in Feet
0 10 20 30 40 80 120 160
1" = 40'

SITE LAYOUT PLAN

NO.	DATE	REVISION

HIGHWAY OCCUPANCY PERMIT PLANS FOR UPPER POTTSGROVE MUNICIPAL COMPLEX
2209 GILBERTSVILLE ROAD
UPPER POTTSGROVE TWP -MONTGOMERY COUNTY - PENNSYLVANIA

ChesterValley ENGINEERS, INC.
112 Hoopes Road, Suite 200, Malvern, PA 19355
610-644-4623
www.chestervy.com

PROJECT NO.	F.B.
22096-2000	

SCALE	DATE	DRAWN BY	CHECKED BY	DRAWING
1" = 40'	4/18/2025	N.D.	M.J.	

COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL ENGINEER — Michael Jorge — PE079902

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PENNSYLVANIA ACT 187 REQUIREMENTS
UNDERGROUND UTILITIES SERIAL Nos. 20243300770
CHESTER VALLEY ENGINEERS, INC. DOES NOT GUARANTEE THE ACCURACY OF THE LOCATIONS FOR EXISTING SUBSURFACE UTILITY STRUCTURES SHOWN ON THE PLANS, NOR DOES CHESTER VALLEY ENGINEERS, INC. GUARANTEE THAT ALL SUBSURFACE STRUCTURES ARE SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES BEFORE THE START OF WORK.

EXCAVATIONS, TRENCHING, AND SHORING
ALL EXCAVATIONS, TRENCHING, AND SHORING OPERATIONS SHALL COMPLY WITH THE REQUIREMENTS OF THE FOLLOWING UNITED STATES DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION PUBLICATIONS OR THE LATEST REVISIONS THERETO:
(1) CONSTRUCTION INDUSTRY STANDARDS AND INTERPRETATIONS (OSHA 2207) SUBPART "P", PART 1926/1910 – "EXCAVATIONS, TRENCHING AND SHORING".
(2) "EXCAVATIONS AND TRENCHING OPERATIONS" (OSHA 2226) DATED 1985 (REVISED).

SEE SHEET ___ FOR FACILITY OWNER'S DESIGNATED OFFICE ADDRESS AND TELEPHONE NUMBER.
PENNSYLVANIA ONE CALL SYSTEM, INC.
CALL 3 WORKING DAYS BEFORE YOU DIG
1-800-242-1776
POCS SERIAL NUMBER: 20243300770

UNIFORM PARCEL IDENTIFIER:

	DISTRICT	COUNTY	TOWNSHIP	BOROUGH	ROUTE	SECTION	TOTAL SHEETS
	6-0	MONTGOMERY	UPPER POTTSGROVE	----------	S.R. 4040	----------	4

PATA 107

1. Flaggers shall be clearly visible to traffic for a minimum distance of E.
2. For operations of 15 minutes or less:
   a) The ROAD WORK, ONE LANE ROAD, and FLAGGER SYMBOL signs are not required.
   b) All channelizing devices may be eliminated if a shadow vehicle is present and the operation does not proceed against normal traffic flow.
3. When a shadow vehicle is not used, distance E is measured from the end of the taper to the beginning of the work space.

Signs		
W20-1	W20-4	W20-7

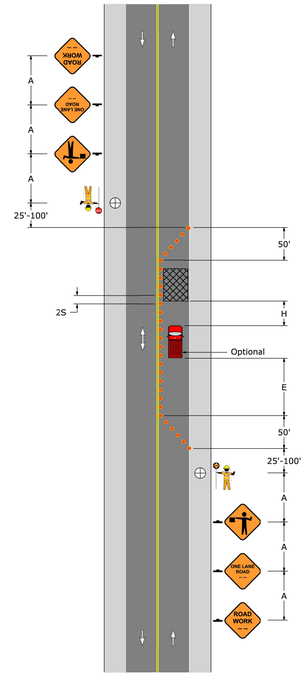
Sign Spacing, Channelizing Device Spacing, Buffer Space, and Roll Ahead Space

Speed	Channelizing Devices Spacing	Sign Spacing		Buffer Space	Roll Ahead Space
		Urban	Rural		
S (MPH)	2S (Feet)	A (Feet)	A (Feet)	E (Feet)	H (Feet)
25	50	100 - 200	500 - 800	155	150
30	60	100 - 200	500 - 800	200	150
35	70	100 - 200	500 - 800	250	150
40	80	350 - 500	500 - 800	305	150
45	90	350 - 500	500 - 800	360	150
50	100	350 - 500	500 - 800	425	250
55	110	350 - 500	500 - 800	495	250

Taper Lengths and Minimum Number Of Channelizing Devices

Speed	50' Per Lane Taper	
S (MPH)	Length (Feet)	Minimum Number Of Devices
25	50	6
30	50	6
35	50	6
40	50	6
45	50	6
50	50	6
55	50	6

PATA 107

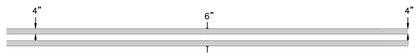


Stop/Slow Paddles

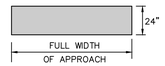
ACCEPTABLE
Both sign faces are in new or like new condition. Shaft is tall enough to provide at least 72" from the road surface to the bottom of the Stop/Slow sign faces. Sign is retroreflective to show the same shape and similar color by both day and night.

MARGINAL
Sign legend is completely legible per the design criteria of the MUTCD. Few scratches or surface abrasions may exist on the sign face or background, but do not effect recognition of the sign or the retroreflectivity. Paddle length provides minimum height of 72" from the road surface to the

UNACCEPTABLE
Either side of the Stop/Slow sign faces have foreign material such as tar splatter, tape, concrete residue, etc. Sign sheeting is peeling or has reduced retroreflective properties. Shaft length provides less than 72" height from the road surface to the bottom of the Stop/Slow sign faces, regardless of sign condition.

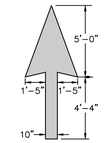


YELLOW TWO WAY BARRIER LINES/ MAIN LINE PAVEMENT MARKING



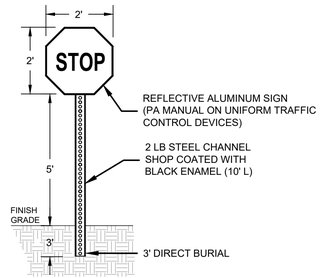
WHITE STOP BARS DETAIL

STOP BAR MARKING DETAIL
N.T.S.

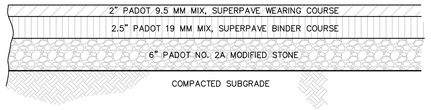


PAVEMENT LEGENDS
N.T.S.

NOTE: ALL LEGENDS SHALL BE WHITE.



STOP SIGN DETAIL
N.T.S.



STANDARD BITUMINOUS PAVEMENT DETAIL

NOTE:
1. GEOTEXTILE FABRIC WITH R-3 RIPRAP STONE SHALL BE INSTALLED OVER COMPACTED SUBGRADE WHERE UNSUITABLE SOILS EXISTS.
2. PAVEMENT SHOULD BE INSTALLED LATE IN CONSTRUCTION WHEN MOST HEAVY CONSTRUCTION TRAFFIC WILL NO LONGER BE ON-SITE. PRIOR TO PAVING, THE SITE SHOULD BE PROOFROLLED AGAIN, NEW SOFT AREAS TREATED IN ACCORDANCE WITH SOIL REMEDIATION NOTES, THE BASE LEVELED AND THICKENED AS REQUIRED, AND THE SITE PAVED AT THE END OF CONSTRUCTION.
3. FOR PAVEMENT WHERE UNCURBED, EXTEND SUBBASE AND/OR BASE COURSE EIGHT INCHES BEYOND EACH REQUIRED EDGE OF THE BINDER AND SURFACE COURSES.
4. AGGREGATE BASE SHOULD BE COMPACTED TO 100% OF THE MATERIAL'S MAXIMUM DRY DENSITY AS PER MODIFIED PROCTOR (ASTM D-1557).
5. PAVEMENT MUST BE PLACED OVER WELL PREPARED SUBRADE COMPACTED TO AT LEAST 98% OF THE STANDARD PROCTOR (ASTM D-698) DENSITY IN THE UPPER 2' BELOW SUBGRADE AND TO AT LEAST 95% OF THE STANDARD PROCTOR (ASTM D-698) MAXIMUM DRY DENSITY ELSEWHERE.
6. SEALING MATERIAL FOR FILLING PAVEMENT JOINTS SHALL MEET THE REQUIREMENTS OF ASTM D3405 OR D1190. ALTERNATIVELY, LOW MODULUS MATERIALS SUCH AS SILICONE, HOT OR COLD-POURED RUBBERIZED ASPHALT OR NITRILE RUBBER MEETING THE MANUFACTURER'S SPECIFICATIONS MAY BE USED.
7. CAR TRAFFIC SHOULD SHOULD NOT BE ALLOWED ON THE NEW PAVEMENT FOR AT LEAST 3-DAYS; SIMILARLY NO TRUCK TRAFFIC FOR 7-DAYS.

BITUMINOUS PAVEMENT DETAIL
N.T.S.

UNIFORM PARCEL IDENTIFIER:

DETAILS

NO.	DATE	REVISION

HIGHWAY OCCUPANCY PERMIT PLANS
FOR
UPPER POTTSGROVE MUNICIPAL COMPLEX
2209 GILBERTSVILLE ROAD
UPPER POTTSGROVE TWP -MONTGOMERY COUNTY - PENNSYLVANIA

COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL ENGINEER — PE079940

ChesterValley ENGINEERS, INC.
112 Moores Road, Suite 200, Malvern, PA 19355
610-644-4623
www.chestervalley.com

PROJECT NO.	F.B.
22096-2000	

SCALE	DATE	DRAWN BY	CHECKED BY	DRAWING
AS NOTED	4/18/2025	N.D.	M.J.	

UTILITY HIGHWAY OCCUPANCY PERMIT PLANS
FOR
UPPER POTTSGROVE MUNICIPAL COMPLEX 2

UPPER POTTSGROVE TOWNSHIP - MONTGOMERY COUNTY - PENNSYLVANIA

GENERAL PERMIT NOTES:

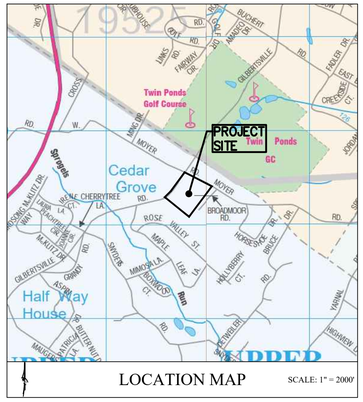
1. THE EXISTING SPEED LIMIT ON S.R. 4040 IS 40 M.P.H.
2. THE RIGHT-OF-WAY IS FREE ACCESS.
3. ALL THE WORK IN PA STATE HIGHWAY RIGHT-OF-WAY IS TO BE PERFORMED CONSISTENCT WITH THE FOLLOWING:

   PENNDOT PUBLICATION 13M, DESIGN MANUAL PART 2 – HIGHWAY DESIGN
   PENNDOT PUBLICATION NO. 34, APPROVED AGGREGATE PRODUCERS (BULLETIN 14)
   PENNDOT PUBLICATION NO. 35, APPROVED CONSTRUCTION MATERIALS (BULLETIN 15)
   PENNDOT PUBLICATION NO. 41, PRODUCERS OF BITUMINOUS MATERIAL (BULLETIN 41)
   PENNDOT PUBLICATION NO. 42, PRODUCERS OF READY-MIX CONCRETE (BULLETIN 42)
   PENNDOT PUBLICATION NO. 46, TRAFFIC ENGINEERING MANUAL
   PENNDOT PUBLICATION NO. 72M, STANDARDS FOR ROADWAY CONSTRUCTION
   PENNDOT PUBLICATION NO. 111, PAVEMENT MARKINGS AND SIGNAGE STANDARDS
   PENNDOT PUBLICATION NO. 212, OFFICIAL TRAFFIC CONTROL DEVICES
   PENNDOT PUBLICATION NO. 213, TEMPORARY TRAFFIC CONTROL GUIDELINES
   PENNDOT PUBLICATION NO. 408, SPECIFICATIONS
4. THE DRIVEWAY HAS BEEN DESIGNED (AND WILL BE CONSTRUCTED AND MAINTAINED) CONSISTENT WITH TITLE 67, CHAPTER 441 REGULATIONS.
5. PA STATE HIGHWAY RIGHT-OF-WAY MAY NOT BE USED FOR PARKING.
6. PERMITTEE IS RESPONSIBLE FOR MAINTENANCE OF ALL AUTHORIZED STRUCTURES, FACILITIES, AND DRAINAGE.
7. PERMITTEE IS RESPONSIBLE FOR MAINTENANCE OF ALL AUTHORIZED SIGNS AND PAVEMENT MARKINGS.
8. THREE TO TEN WORKING DAYS PRIOR TO EXCAVATION BASED ON THE COMPLEXITY OF THE PROJECT, THE CONTRACTOR MUST CONTACT THE PA ONE CALL SYSTEM, INC., PHONE 1-800-242-1776, SERIAL NO. 20243300770 FOR UPPER POTTSGROVE TOWNSHIP. ADDITIONAL INFORMATION IS AVAILABLE AT http://www.paocall.org/PA811/Public/.
9. THE CONTRACTOR IS REQUIRED TO NOTIFY THE DEPARTMENT AND SUBMIT AN ALLEGED VIOLATION REPORT (AVR) TO THE PA PUBLIC UTILITY COMMISSION THROUGH THE PA ONCE CALL SYSTEM, WWW.PA1CALL.ORG, WITHIN TEN (10) BUSINESS DAYS AFTER A UTILITY LINE IS STRUCK, DAMAGED, OR PREVIOUS DAMAGE IS DISCOVERED AS REQUIRED BY PENNSYLVANIA'S UNDERGROUND UTILITY LINE PROTECTION LAW ACT 50 (P.L. 852, NO 287 AMENDED OCT. 30, 2017.)
10. DRIVEWAY IS CLASSIFIED AS: LOW VOLUME (51-1500 ADT)
11. DISTANCE TO THE NEAREST INTERSECTION IS: RT 0 FT LT 0 FT
    DISTANCE TO THE NEAREST TRAFFIC SIGNAL IS 5,280 FT (LEFT).
    DISTANCE TO THE NEAREST OPPOSITE DRIVEWAY IS: RT 90 FT LT 1,027 FT
    DISTANCE TO THE NEAREST ADJACENT DRIVEWAY IS: RT 660 FT LT 751 FT
12. IF A TRAFFIC SIGNAL IS WITHIN 500 FEET OF THE SITE, CALL THE DISTRICT TRAFFIC ENGINEER AT LEAST 3 DAYS PRIOR TO THE START OF WORK.
13. THIS PERMIT MAY BE RESTRICTED ON WORKING HOURS AND TIMES FOR HOLIDAYS, WEEKENDS, AND SPECIAL OR UNFORESEEN EVENTS AND WILL REQUIRE APPROVAL FROM THE COUNTY OFFICE PRIOR TO WORKING DURING THESE PERIODS.
14. THE PERMITTEE'S CONTRACTOR SHALL SAWCUT AND REMOVE SHOULDER MATERIAL AS NECESSARY TO ENSURE THE PAVEMENT REPLACEMENT IS ADJACENT TO THE FULL-DEPTH PAVEMENT OF THE TRAVEL LANE.
15. FINAL APPROVAL OF THE PROPOSED SAWCUT LOCATION WILL BE AT THE DISCRETION OF THE INSPECTOR-IN-CHARGE AND WILL BE CONFIRMED AT THE PRE-CONSTRUCTION MEETING. IF THE SAWCUT MUST BE LOCATED WITHIN A TRAVEL LANE, IT WILL BE NECESSARY TO MILL AND OVERLAY THE TRAVEL LANE TO PREVENT A JOINT IN A WHEEL PATH.
16. THE PROPOSED PAVEMENT SECTION MUST BE AS INDICATED ON THE PLAN, OR MATCH THE EXISTING AS FOUND IN THE FIELD, WHICHEVER IS GREATER.
17. PRIOR TO AN OVERLAY, BITUMINOUS OR CONCRETE BASE REPAIR OR JOINT REPLACEMENT MAY BE REQUIRED. REPAIR/REPLACEMENT WILL BE AT THE DISCRETION OF THE INSPECTOR-IN-CHARGE.
18. ALL PAVEMENT MARKINGS WHICH ARE NO LONGER APPROPRIATE SHALL BE ERADICATED BY THE PERMITTEE. THE PERMITTEE SHALL PLACE ALL REQUIRED NEW PAVEMENT MARKINGS.
19. ALL PAVEMENT MARKINGS OTHER THAN LONGITUDINAL LINES TO BE HOT THERMOPLASTIC (PENNDOT PUBLICATION 111, TC-8600).
20. MATCH EXISTING PAVEMENT MARKINGS AT THE LIMITS OF WORK.
21. MATERIAL CERTIFICATION MUST BE PROVIDED, BY AN APPROVED MANUFACTURER LISTED IN THE DEPARTMENT'S PUBLICATION 35 (BULLETIN 15), FOR ALL MATERIALS AND STRUCTURES WITHIN PENNDOT RIGHT-OF-WAY.
22. THE PERMITTEE SHALL CONTACT THE COUNTY MAINTENANCE MANAGER AT THE TIME OF THE GUIDE RAIL REMOVAL; ALL EXISTING GUIDE RAIL TO BE REMOVED SHALL BE TRANSPORTED TO AND STORED AS PER THE DIRECTION FROM THE COUNTY MAINTENANCE MANAGER OR REPRESENTATIVE.
23. ALL THE PROPOSED PEDESTRIAN FACILITIES REFLECTED ON THESE PLANS, INCLUDING THOSE THAT ARE OUTSIDE OF PENNDOT LEGAL RIGHT-OF-WAY, SHALL BE CONSTRUCTED TO COMPLY WITH THE REQUIREMENTS OF THE U.S. ACCESS BOARD, PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES OF BUILDINGS (PROWAG) OF THE ACCESSIBILITY GUIDELINES OF BUILDINGS AND FACILITIES (ADAAG). PENNDOT DESIGN MANUAL PART 2, CHAPTER 6, AND PENNDOT STANDARDS FOR ROADWAY CONSTRUCTION (PENNDOT PUBLICATION 72M, RC-67M) PROVIDE GUIDANCE ON ADA ACCESSIBLE DESIGN FOR PEDESTRIAN FACILITIES AND CAN BE UTILIZED FOR REFERENCE.
24. CONSTRUCT ALL PROPOSED PEDESTRIAN FACILITIES ON THESE PLANS TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT, PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG), AND THE 2010 ADA STANDARDS.
25. ALL SLOPE MEASUREMENTS WILL BE INSPECTED/VERIFIED WITH A 2-FOOT SMART LEVEL.
26. IT IS THE RESPONSIBILITY OF THE PERMITTEE TO REMOVE ANY DEBRIS AND FLUSH OUT ALL EXISTING AND NEW STORM DRAINAGE FACILITIES WITHIN THE PROJECT LIMITS AT THE COMPLETION OF THE CONSTRUCTION.
27. MODIFICATIONS TO EXISTING DRAINAGE STRUCTURES MAY RESULT IN THE NEED TO REPLACE THE STRUCTURE. REPLACEMENT WILL BE AT THE DISCRETION OF THE INSPECTOR-IN-CHARGE.
28. STRUCTURAL STEEL BICYCLE SAFE GRATES MUST BE PROVIDED FOR ALL INLETS WITHIN THE ROADWAY PAVEMENT OR THOSE THAT MAY RECEIVE BICYCLE TRAFFIC (PENNDOT PUBLICATION 72M, RC-45M).
29. THE RESPONSIBILITY FOR ENSURING THAT ALL UTILITY POLES WITHIN THE PROPOSED PAVING ARE RELOCATED OUTSIDE OF PAVED AREAS AND SHOULDERS SHALL BE THAT OF THE PERMITTEE. THE UTILITY POLES MUST BE RELOCATED BEFORE THE START OF ANY PAVING OPERATIONS.
30. THE PERMITTEE IS RESPONSIBLE FOR THE COORDINATION OF RELOCATING ANY CONFLICTING UTILITIES WHICH ARE A RESULT OF THESE IMPROVEMENTS.
31. ALL UTILITY RELOCATION PERMITS TAKE PRECEDENCE OVER THE UTILITY RELOCATION POSITIONS SHOWN ON THE HOP PLANS.
32. CLEAN ALL EXISTING DRAINAGE FACILITIES (INCLUDING BUT NOT LIMITED TO INLETS, MANHOLES, AND PIPES) WITHIN THE PROJECT LIMITS.
33. VERIFY EXISTING AND PROPOSED DRAINAGE INVERT AND TG ELEVATIONS PRIOR TO FINAL PLACEMENTS. ANY DISCREPANCIES BETWEEN THE PLAN INFORMATION AND ACTUAL FIELD MEASUREMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE INSPECTOR-IN-CHARGE IMMEDIATELY.

MAINTENANCE AND PROTECTION OF TRAFFIC (MPT) NOTES:

1. THIS WORK CONSISTS OF THE MAINTENANCE AND PROTECTION OF TRAFFIC AND THE PROTECTION OF THE PUBLIC WHEN APPROACHING AND DEPARTING THE CONSTRUCTION AREA AND WITHIN THE LIMITS OF CONSTRUCTION.
2. FURNISH, ERECT, PLACE, AND MAINTAIN TRAFFIC CONTROL SIGNS AND DEVICES. MAINTAIN TRAFFIC DURING HOURS OF CONSTRUCTION AND AT ALL OTHER TIMES CONSISTENT WITH THE METHODS INDICATED ON THESE DRAWINGS AND THE FOLLOWING:

   PENNDOT PUBLICATION 35, APPROVED CONSTRUCTION MATERIALS (BULLETIN 15)
   PENNDOT PUBLICATION 46, TRAFFIC ENGINEERING MANUAL
   PENNDOT PUBLICATION 72M, STANDARDS FOR ROADWAY CONSTRUCTION
   PENNDOT PUBLICATION 111, PAVEMENT MARKINGS AND SIGNING STANDARDS
   PENNDOT PUBLICATION 212, OFFICIAL TRAFFIC CONTROL DEVICES
   PENNDOT PUBLICATION 213, TEMPORARY TRAFFIC CONTROL GUIDELINES
   PENNDOT PUBLICATION 236, HANDBOOK OF APPROVED SIGNS
   PENNDOT PUBLICATION 408, SPECIFICATIONS
   MUTCD, CURRENT EDITION
3. REMOVE THESE DEVICES IMMEDIATELY UPON COMPLETION OF THE WORK. PENNDOT WILL REMOVE ANY TRAFFIC CONTROL DEVICES ERECTED BY DEPARTMENT FORCES.
4. PERMITEE MUST ARRANGE FOR INSPECTION OF ALL TRAFFIC CONTROL DEVICES PRIOR TO START OF WORK.
5. COVER OR REMOVE ALL CONFLICTING SIGNS AND ERADICATE ALL CONFLICTING PAVEMENT MARKINGS.
6. MOUNT ALL LONG-TERM ADVANCE WARNING SIGNS ON TYPE 111 BARRICADES UNLESS OTHERWISE NOTED OR INSTRUCTED BY THE DISTRICT OFFICE.
7. ALL SIGNS AND DEVICES TO BE MAINTAINED IN NEW OR LIKE NEW CONDITION.
8. DRIVEWAYS WILL BE KEPT ACCESSIBLE AT ALL TIMES. LOCATE ALL SIGNS SO THAT SIGHT DISTANCES WILL NOT BE OBSTRUCTED AT DRIVEWAYS AND LOCAL ROADS.
9. ALL CHANNELIZING DEVICES, BARRICADES, AND SIGNS SHALL HAVE 111 OR BETTER PRISMATIC RETROREFLECTIVE SHEETING. SHEETING SHALL BE APPROVED AND LISTED IN PENNDOT PUBLICATION 35 (BULLETIN 15).
10. PERMITEE SHALL NOTIFY LOCAL EMERGENCY AUTHORITIES (E.G., POLICE, FIRE, MEDICAL), AFFECTED BUSINESSES, SCHOOL DISTRICT(S), THE GENERAL PUBLIC, THE DISTRICT PERMIT MANAGER AND THE DISTRICT APRAS COORDINATOR AT LEAST FOURTEEN (14) DAYS PRIOR TO ANY SIGNIFICANT TRAFFIC IMPACTS (E.G., LATERAL WIDTH RESTRICTIONS LESS THAN 16 FEET, DETOURS).
11. MAINTENANCE AND PROTECTION OF TRAFFIC DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH APPLICABLE PATA DRAWING(S) 110-E AND 110-O, IN THE CURRENT PENNDOT PUBLICATION 213, "TEMPORARY TRAFFIC CONTROL GUIDELINES".
12. DROPOFFS CREATED BY CONSTRUCTION OPERATIONS SHALL BE TREATED CONSISTENT WITH PUBLICATION 408, SECTION 901.3(J).
13. REMOVE ALL SHORT-TERM WORK ZONE TRAFFIC CONTROL SIGNING UPON COMPLETION OF THAT DAY'S WORK PERIOD.
14. RESTRICTING TRAFFIC FLOW WITHIN THE WORK AREA SHALL BE MINIMIZED TO PREVENT TRAFFIC CONGESTION AND UNSAFE TRAFFIC CONDITIONS.
15. NOTIFY THE LOCAL MUNICIPALITY WHERE SIGNALIZED INTERSECTIONS FALL WITHIN THE WORK ZONE. DO NOT FLAG A SIGNALIZED INTERSECTION WITHOUT THE MUNICIPALITY PLACING THE SIGNAL ON FLASH.
16. THE CONTRACTOR SHALL COMPLY WITH ACT 229 OF DECEMBER 2002 DURING CONSTRUCTION ACTIVITIES WITHIN PENNDOT'S RIGHT-OF-WAY.
17. UTILIZE PENNDOT PUBLICATION 213, WORK ZONE TRAFFIC CONTROL PATA 110-E AND 110-O FOR LONG-TERM TRAFFIC CONTROL OPERATIONS.
18. UTILIZE PENNDOT PUBLICATION 213, WORK ZONE TRAFFIC CONTROL PATA 110-E AND 110-O FOR SIGNAGE AND DEVICE SET UP.
19. MAINTAIN EXISTING PEDESTRIAN FACILITIES/ACCESS THROUGHOUT THE PROJECT DURATION. UTILIZE PENNSOT PUBLICATION 213, WORK ZONE TRAFFIC CONTROL PATA 110-E AND 110-O FOR SHORT-TERM DURATIONS AND PATA 110-E AND 110-O FOR LONG-TERM DURATIONS.
20. ALL FLAGGERS TO WEAR YELLOW/GREEN (ANSI II) APPAREL AND LEGGINGS. ANSI II APPAREL IS REQUIRED DURING HOURS OF DARKNESS AND FOR ALL HIGHWAY WORKERS.



LOCATION MAP SCALE: 1" = 2000'

SHEET INDEX

DRAWING NO.	LAST REVISED	TITLE
COVER	04/01/2025	COVER SHEET
EX-1	04/01/2025	EXISTING FEATURES PLAN (1"=40')
U-1	04/01/2025	UTILITY PLAN (1"=40')
D-1	04/01/2025	PENNDOT AND CONSTRUCTION NOTES

(4 SHEETS TOTAL)

CVE JOB # 22096
EPS NO. 369220
STATE ROUTE 4040 (GILBERTSVILLE ROAD)
IN UPPER POTTSGROVE TOWNSHIP
MONTGOMERY COUNTY

FROM SEG 0090 OFFSET 1879 TO SEG 0090 OFFSET 1900 LENGTH 0 FT 0 MI

ChesterValley ENGINEERS, INC.
112 Moores Road, Suite 200, Malvern, PA 19355
610-644-4623 | 610-889-3143 Fax
www.chesterv.com

ARCHITECT:
ALLOY5 ARCHITECTURE
530 WEST BROAD STREET
BETHLEHEM, PA 18018
610-419-4055

SITE ADDRESS:
2290 GILBERTSVILLE RD,
POTTSTOWN, PA 19464

OWNER:
UPPER POTTSGROVE TOWNSHIP
1409 FARMINGTON AVENUE,
POTTSTOWN , PA, 19464
PHONE - (610) 323-8675

HIGHWAY OCCUPANCY PERMIT PLANS
FOR UPPER POTTSGROVE MUNICIPAL BUILDING
CVE PROJECT #: 22096-2000

J:\CVE 22000\22096-2000 Municipal Complex 2\dwg\HOP\22096 HOP Sanitary Plan Set.dwg, 4/16/2025 12:02:37 PM,

PATA 110 (A Through T)

1. PATA 110 drawings show work spaces on roads that approach and depart 4-Way intersections.
Single-flagger or multi-flagger intersection control is illustrated for intersections with three types of permanent control:

   a) One-Way Stop

   b) All-Way Stop

   c) Traffic Signal

2. Flaggers shall be clearly visible to traffic for a minimum distance of E.

3. For operations of 15 minutes or less:

   a) The ROAD WORK, ONE LANE ROAD, and FLAGGER SYMBOL signs are not required.

   b) All channelizing devices may be eliminated if a shadow vehicle is present and the operation does not proceed against normal traffic flow.

4. When a shadow vehicle is not used, distance E is measured from the end of the taper to the beginning of the work space.

Signs		
W20-1	W20-4	W20-7

Sign Spacing, Channelizing Device Spacing, Buffer Space, and Roll Ahead Space					
Speed	Channelizing Devices Spacing	Sign Spacing		Buffer Space	Roll Ahead Space
		Urban	Rural		
S (MPH)	2S (Feet)	A (Feet)	A (Feet)	E (Feet)	H (Feet)
25	50	100 - 200	500 - 800	155	150
30	60	100 - 200	500 - 800	200	150
35	70	100 - 200	500 - 800	250	150
40	80	350 - 500	500 - 800	305	150
45	90	350 - 500	500 - 800	360	150
50	100	350 - 500	500 - 800	425	250
55	110	350 - 500	500 - 800	495	250

Taper Lengths and Minimum Number Of Channelizing Devices		
Speed	50' Per Lane Taper	
S (MPH)	Length (Feet)	Minimum Number Of Devices
25	50	6
30	50	6
35	50	6
40	50	6
45	50	6
50	50	6
55	50	6

PATA 110 (A Through T)

Intersection Flagging Options

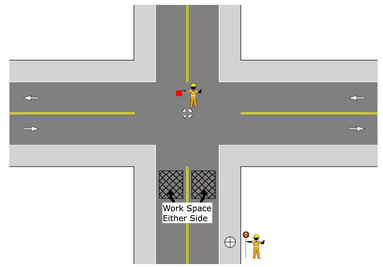


Figure 110-1
One Flagger Within Intersection

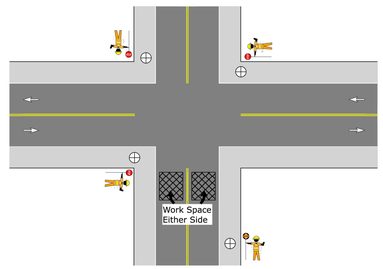
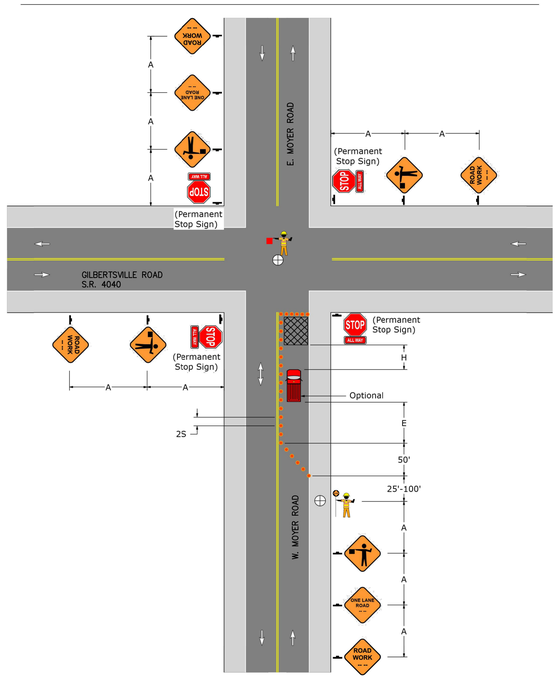
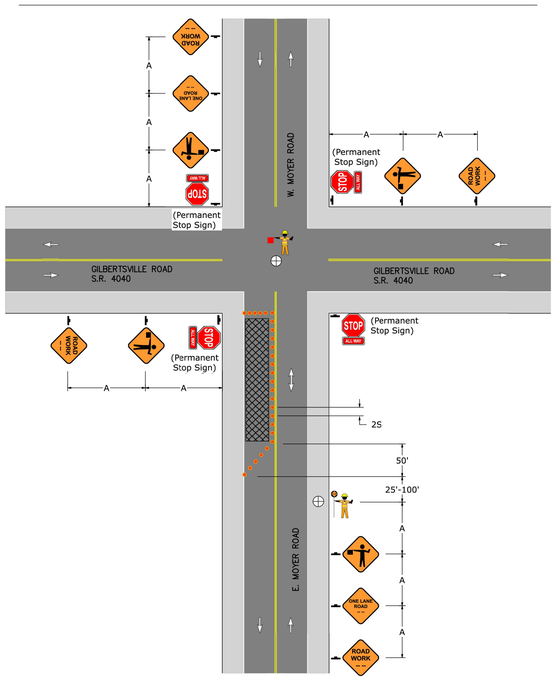


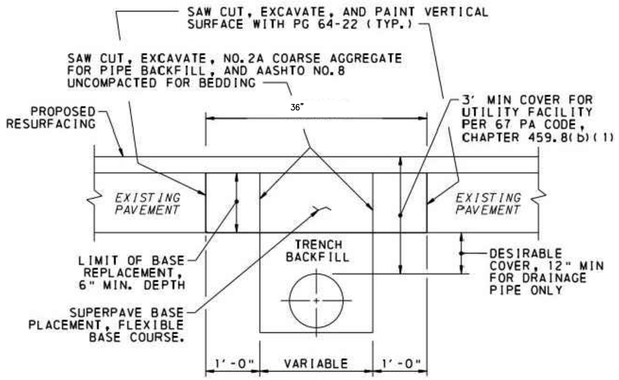
Figure 110-2
Three Flaggers at Intersection

PATA 110-E



PATA 110-O





ELEVATION

RESTORATION OF PAVEMENT OVER PIPE

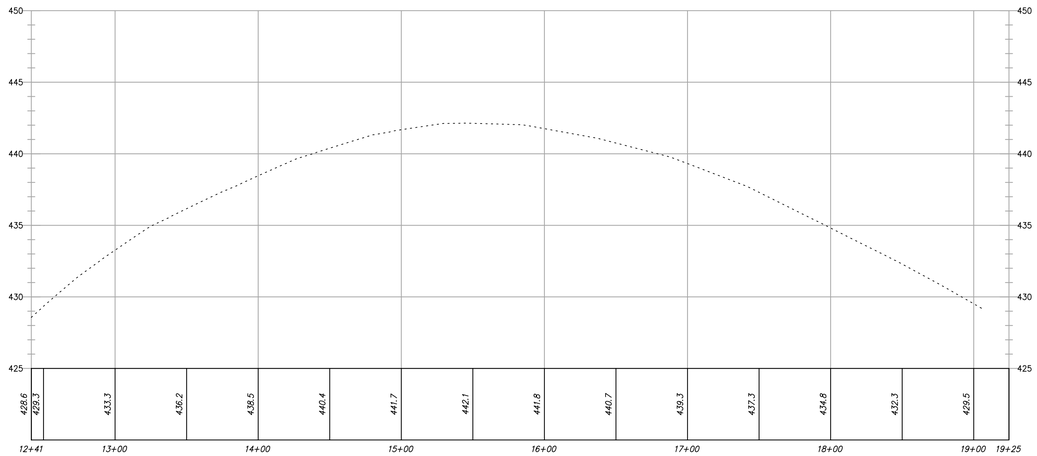
NOTE: CONSTRUCT FLEXIBLE BASE REPLACEMENT IN ACCORDANCE WITH THE REQUIREMENTS OF PUBLICATION 408, SECTION 316.

PREPARE EXPOSED VERTICAL AND HORIZONTAL SURFACES AS PER PUBLICATION 408, SECTION 409.3(K).

FOR NON-OVERLAY APPLICATIONS, THE TOP 1 1/2" OF BASE REPLACEMENT WILL BE SUPERPAVE WEARING COURSE.

FOR RESTORATION OF RIGID PAVEMENT, REFER TO PUBLICATION 408, SECTION 516 AND RC-26M.

PERFORM AND COMPLETE PIPE RESTORATION WORK PRIOR TO THE FLEXIBLE SUPERPAVE BASE REPLACEMENT.



PROFILE VIEW OF GILBERTSVILLE ROAD CL
SCALE: 1"=50' HORIZ. 1"=5' VERT.

Stop/Slow Paddles

ACCEPTABLE

Both sign faces are in new or like new condition. Shaft is tall enough to provide at least 72" from the road surface to the bottom of the Stop/Slow sign faces. Sign is retroreflective to show the same shape and similar color by both day and night.

MARGINAL

Sign legend is completely legible per the design criteria of the MUTCD. Few scratches or surface abrasions may exist on the sign face or background, but do not effect recognition of the sign or the retroreflectivity. Paddle length provides minimum height of 72" from the road surface to the

UNACCEPTABLE

Either side of the Stop/Slow sign faces have foreign material such as tar splatter, tape, concrete residue, etc. Sign sheeting is peeling or has reduced retroreflective properties. Shaft length provides less than 72" height from the road surface to the bottom of the Stop/Slow sign faces, regardless of sign condition.

UNIFORM PARCEL IDENTIFIER:

CONSTRUCTION DETAILS

NO.	DATE	REVISION

HIGHWAY OCCUPANCY PERMIT PLANS
FOR
UPPER POTTSGROVE MUNICIPAL COMPLEX 2
2209 GILBERTSVILLE ROAD
UPPER POTTSGROVE TWP -MONTGOMERY COUNTY - PENNSYLVANIA

Aloysius T. Gryga, PLA.
PENNSYLVANIA LICENSED LANDSCAPE ARCHITECT
LICENSE NO. LA001817

ChesterValley ENGINEERS, INC.
112 Hoopes Road, Suite 200, Malvern, PA 19355
610-644-4623
www.chestervy.com

PROJECT NO.	F.B.
22096	

SCALE	DATE	DRAWN BY	CHECKED BY	DRAWING
AS NOTED	04/11/2025	N.D.	A.G.	

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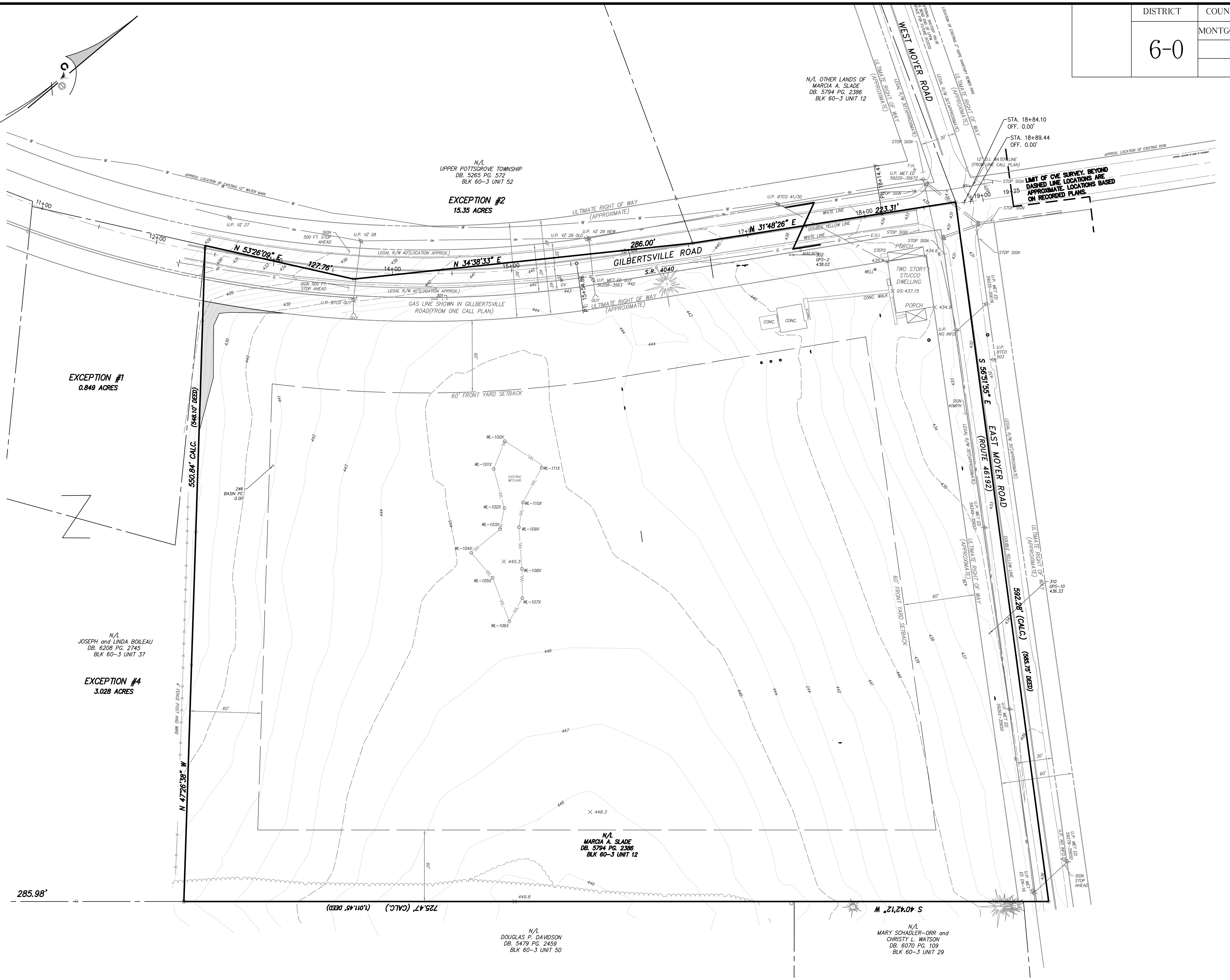
DISTRICT	COUNTY	TOWNSHIP	BOROUGH	ROUTE	SECTION	TOTAL SHEETS
6-0	MONTGOMERY	UPPER POTTSGROVE	------------	4040	------------	7



ZONING INFORMATION:

R-1 RESIDENTIAL DISTRICT

ZONING REQUIREMENTS:	REQUIRED	EXISTING
MIN. LOT AREA(GROSS)	5 ACRES	8.133 AC. DEED (CALC. 8.569 AC.) 7.603 AC. TO ULT. R/W(CALC.)
MIN. LOT WIDTH	150 FT.	342.2 FT.
MIN. FRONT YARD	40 FT.(LOCAL STREET) 60 FT.(COLLECTOR STREETS) 100 FT.(ARTERIAL STREETS)	0 FT.*
MIN. SIDE YARD SETBACK	25/60 FT. AGG.	584 FT.(GILBERTSVILLE RD.)
MIN. SIDE YARD SETBACK	40 FT.	485 FT.(MOYER RD.)
MIN. REAR YARD SETBACK	40 FT.	
MAX. BUILDING HEIGHT	35 FT.	<35 FT.
ACCESSORY BUILDING	15 FT.	NA
BUILDING COVERAGE MAX.	5%	0.48%
IMPERVIOUS MAX.	25%	0.94% (3,107 S.F.)

* EXISTING NON-CONFORMING

EXISTING FEATURES

- 201 — EXISTING 1' CONTOURS
- 205 — EXISTING 5' CONTOURS
- × 212.20 — EXISTING SPOT ELEVATION
- EXISTING PROPERTY BOUNDARY
- EXISTING RIGHT OF WAY (LEGAL R/W)
- BUILDING SETBACK
- EXISTING FENCE LINE
- E.O.P. — EXISTING EDGE OF PAVING
- EcB2 / BdA — SOILS LINE AND DESCRIPTION
- OH — EXISTING OVERHEAD WIRES
- W — EXISTING WATER LINE
- EXISTING HDPE PIPE
- WL — EXISTING WETLAND BOUNDARY
- EXISTING FIRE HYDRANT
- EXISTING INLETS
- EXISTING UTILITY POLE
- EXISTING TRAFFIC CONTROL SIGNS
- TP1 — INFILTRATION TESTING LOCATION
- EXISTING DECIDUOUS TREE
- EXISTING CONIFEROUS TREE
- EDGE OF BRUSH
- EXISTING MANHOLE (SAN, STORM, GAS, WATER, WATER, ELECTRIC, TELEPHONE, ETC.)
- STEEP SLOPES 15->

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PENNSYLVANIA ACT 187 REQUIREMENTS

UNDERGROUND UTILITIES SERIAL NOs.________

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EXCAVATIONS, TRENCHING, AND SHORING

ALL EXCAVATIONS, TRENCHING, AND SHORING OPERATIONS SHALL COMPLY WITH THE REQUIREMENTS OF THE FOLLOWING UNITED STATES DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION PUBLICATIONS OR THE LATEST REVISIONS THERETO:

(1) CONSTRUCTION INDUSTRY STANDARDS AND INTERPRETATIONS (OSHA 2207) SUBPART "P", PART 1926/1910 – "EXCAVATIONS, TRENCHING AND SHORING".

(2) "EXCAVATIONS AND TRENCHING OPERATIONS" (OSHA 2226) DATED 1985 (REVISED).

SEE SHEET ___ FOR FACILITY OWNER'S DESIGNATED OFFICE ADDRESS AND TELEPHONE NUMBER.

PENNSYLVANIA ONE CALL SYSTEM, INC.
CALL 3 WORKING DAYS BEFORE YOU DIG
1-800-242-1776
POCS SERIAL NUMBER: 20243300770

UNIFORM PARCEL IDENTIFIER:

Scale in Feet: 0 10 20 30 40 80 120 160 — 1" = 40'

Aloysius T. Gryga, PLA.
PENNSYLVANIA LICENSED LANDSCAPE ARCHITECT
LICENSE NO. LA001517

EXISTING CONDITIONS

NO.	DATE	REVISION

HIGHWAY OCCUPANCY PERMIT PLANS
FOR
UPPER POTTSGROVE MUNICIPAL COMPLEX 2
2209 GILBERTSVILLE ROAD
UPPER POTTSGROVE TWP -MONTGOMERY COUNTY - PENNSYLVANIA

ChesterValley ENGINEERS, INC.
112 Moores Road, Suite 200, Malvern, PA 19355
610-644-4623
www.chesterv.com

PROJECT NO.	F.B.	SCALE	DATE	DRAWN BY	CHECKED BY	DRAWING
22096		AS NOTED	04/11/2025	N.D.	A.G.	

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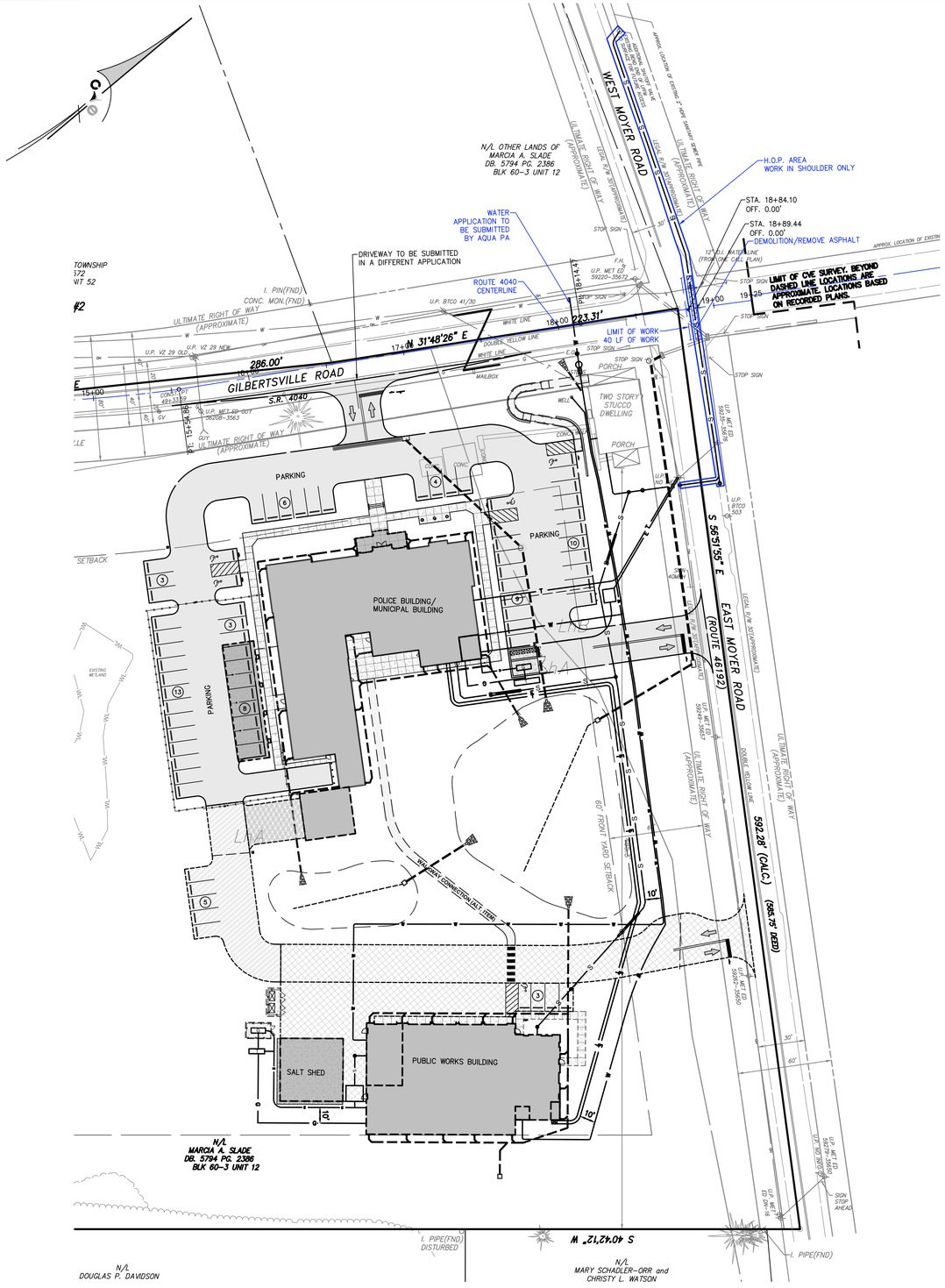
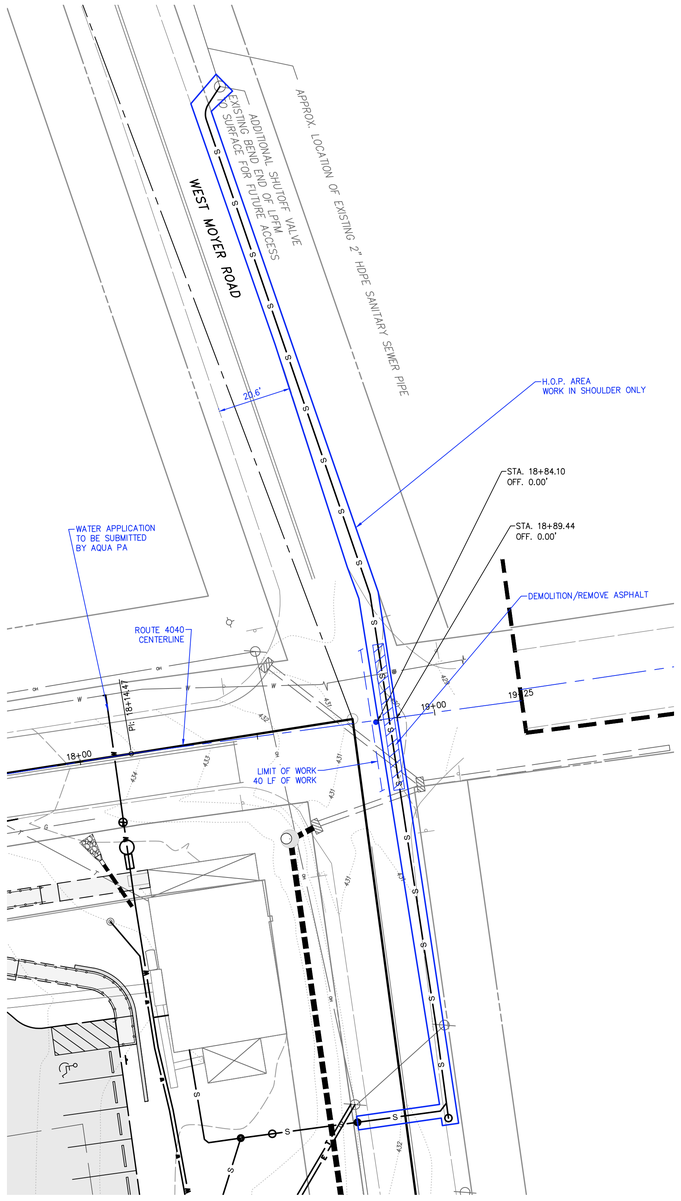
DISTRICT	COUNTY	TOWNSHIP	BOROUGH	ROUTE	SECTION	TOTAL SHEETS
6-0	MONTGOMERY	UPPER POTTSGROVE	----------	4040	----------	7





Scale in Feet

0 5 10 15 20 40 60 80

1" = 20'

Scale in Feet

0 10 20 30 40 80 120 160

1" = 40'

LIST OF PUBLIC UTILITIES
PA ONE CALL TICKET #20243300770

COMPANY: COMCAST
ADDRESS: 1250 HADDONFIELD-BERLIN ROAD CHERRY HILL, NJ. 08034
CONTACT: WYATT PARRISH
EMAIL: wyatt_parrish@cable.comcast.com
PHONE: 484-368-4391

COMPANY: AQUA PENSYLVANIA
ADDRESS: 762 LANCASTER AVENUE BRYN MAWR, PA. 19010
CONTACT: THOMAS WADDY
EMAIL: tbwaddy@aquaamerica.com
PHONE: 610-52-1400 EXT. 52105

COMPANY: PECO AN EXELON COMPANY C/O USIC
ADDRESS: 450 S HENDERSON ROAD SUITE B KING OF PRUSSIA, PA. 19406
CONTACT: NIKKIA SIMPKINS
EMAIL: nikkiasimpkins@usiclic.com
PHONE: 484-681-5720

COMPANY: FIRST ENERGY CORPORATION
ADDRESS: 21 S MAIN STREET ARKON, OH. 44308
CONTACT: MELLYSSA ADAMS
EMAIL: madams@firstenergycorp.com
PHONE: 330-604-4073

COMPANY: UGI UTILITIES INC
ADDRESS: 225 MORGANTOWN ROAD READING, PA. 19611
CONTACT: KURT ZIELASKOWSKI
EMAIL: kzielaskowski@ugi.com
PHONE: 610-736-5571

COMPANY: UPPER POTTSGROVE TOWNSHIP
ADDRESS: 1409 FARMINGTON AVENUE POTTSTOWN, PA. 19464
CONTACT: KEVIN SNYDER
EMAIL: publicworks@uptownship.org
PHONE: 610-326-9938

PROPOSED SITE FEATURES

- PROPOSED STANDARD ASPHALT PAVING
- PROPOSED STANDARD BITUMINOUS PAVEMENT (ALT. ITEM)
- PROPOSED HEAVY DUTY BITUMINOUS PAVEMENT (ALT. ITEM)
- FUTURE STANDARD BITUMINOUS PAVEMENT (N.I.C.)
- PROPOSED CONCRETE PAVING
- PROPOSED BUILDING
- PROPOSED PARKING OVERHANG
- PROPOSED PATIO
- PROPOSED PAVEMENT MARKING
- PROPOSED FENCE/GATE
- PROPOSED SPARE CONDUIT
- PROPOSED DRIVE PAVEMENT MARKING
- PROPOSED DUMPSTER
- PROPOSED SIGN
- PROPOSED WHEEL STOP
- PROPOSED HANDICAP MARKING
- PROPOSED BOLLARD
- PROPOSED FLAG POLE
- PARKING STALL QUANTITY
- FUTURE E.V. CHARGING STATION
- PROPOSED POLICE PARKING ACCESS KEY PAD

PROPOSED UTILITY FEATURES

- PROPOSED WATER LINE
- PROPOSED SANITARY LINE
- PROPOSED ELECTRIC LINE
- PROPOSED DATA LINE
- PROPOSED GAS LINE
- PROPOSED XFMR VAULT
- PROPOSED GENERATOR
- PROPOSED PROPANE TANK

HOP LEGEND

- ROAD CENTERLINE
- AREA OF WORK
- ASPHALT REMOVAL/ UTILITY TRENCHING AREA

CONSTRUCTION SEQUENCE

1. INSTALL TEMPORARY TRAFFIC CONTROL DEVICES PER PENNDOT PUBLICATION 213, TITLE 67, CHAPTER 212, SEPARATING THE WORK ZONE FROM TRAFFIC ON GILBERTSVILLE ROAD AND MOYER ROAD. MAINTAIN EXISTING LANE WIDTHS IN EACH DIRECTION. TRAFFIC CONTROL SHALL CONFORM TO PATA 110-E OR 110-O AS NEEDED.
2. WHEN TRENCHING ACROSS THE INTERSECTION AT GILBERTSVILLE ROAD AND MOYER ROAD, COMPLETE ONE LANE AT A TIME AND KEEP ONE LANE OPEN FOR THRU TRAFFIC. UTILIZE FLAGGERS AND APPROPRIATE SIGNAGE FOR TRAFFIC CONTROL.
3. ENSURE FLAGGERS HAVE CORRECT MATERIALS AND ATTIRE ACCORDING TO PENNDOT PUBLICATION 213.
4. SAWCUT AND REMOVE PAVEMENT.
5. INSTALL PROPOSED BEDDING MATERIALS AND UTILITIES.
6. COMPLETE ANY PAVEMENT RESTORATION WORK AND REMOVE TRAFFIC CONTROL DEVICES.

SOILS LIST

SYMBOL	DESCRIPTION	DEPTH TO SEASONALLY HIGH WATER TABLE	DEPTH TO BEDROCK	FREQUENCY OF: FLOODING	FREQUENCY OF: PONDING	HYDROLOGIC SOIL GROUP	HYDRIC SOIL RATING
LEHIGH SILT LOAM							
LnA	0% TO 3% SLOPES	6" - 36"	40"-60"	NONE	NONE	C/D	NO
LnB	3% TO 8% SLOPES	6" - 36"	40"-60"	NONE	NONE	C/D	NO

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EXCAVATIONS, TRENCHING, AND SHORING
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(2) "EXCAVATIONS AND TRENCHING OPERATIONS" (OSHA 2226) DATED 1985 (REVISED).

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CALL 3 WORKING DAYS BEFORE YOU DIG
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POC'S SERIAL NUMBER: 20243300770

SEE SHEET ___ FOR FACILITY OWNERS DESIGNATED OFFICE ADDRESS AND TELEPHONE NUMBER.

UNIFORM PARCEL IDENTIFIER:

SITE/UTILITY PLAN

NO.	DATE	REVISION

HIGHWAY OCCUPANCY PERMIT PLANS
FOR
UPPER POTTSGROVE MUNICIPAL COMPLEX 2
2209 GILBERTSVILLE ROAD
UPPER POTTSGROVE TWP -MONTGOMERY COUNTY - PENNSYLVANIA

Aloysius T. Gryga, PLA.
PENNSYLVANIA LICENSED LANDSCAPE ARCHITECT
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