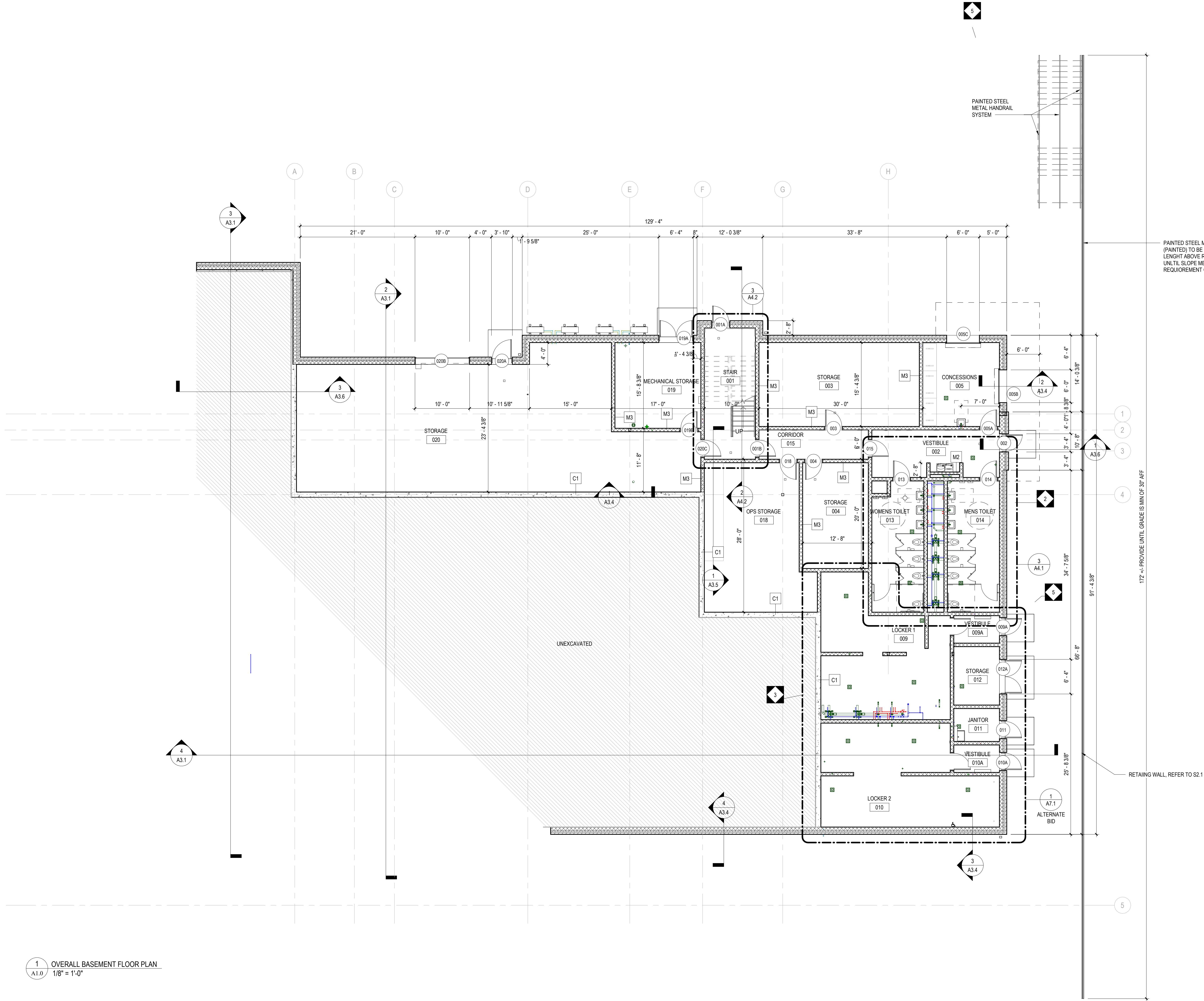




-  1 HOUR RATED FIRE PARTITION
-  2 HOUR RATED FIRE WALL
-  ACCESSIBLE ENTRANCE
-  ACCESSIBLE MEANS OF EGRESS
-  FIRE EXTINGUISHER LOCATIONS
-  EVACUATION ROUTE
-  60 MIN RATED CEILING SYSTEM

CC.1



1 OVERALL BASEMENT FLOOR PLAN
A1.0
1/8" = 1'-0"

GENERAL NOTES:

1. ALL DOOR JAMBS SHALL BE LOCATED 4" FROM INSIDE CORNER OF WALL ON HINGE SIDE UNLESS OTHERWISE INDICATED.
2. COORDINATE LOCATION OF MEP EQUIPMENT, DEVICES, OUTLET BOXES, ETC. WITH OTHER EQUIPMENT AND FINISH SCHEDULE PRIOR TO INSTALLATION.
3. ALL EXTERIOR ENTRANCE PADS SHALL BE SLOPED 2% MAX AWAY FROM THE BUILDING TO EDGE OF PAD. REFER TO STRUCTURAL DRAWINGS.
4. UNLESS NOTED OTHERWISE, ALL FLOOR DRAINS SHALL BE SET 1/4" MAX. BELOW FIN FLOOR, DISH FIN, FLOOR MIN. OF 24" RADIUS TO TOP OF FLOOR DRAIN. REFER TO PLUMBING DRAWINGS.
5. UNLESS NOTED OTHERWISE, WHERE DIFFERENT FLOOR ELEVATIONS OCCUR ON OPPOSITE SIDES OF INTERIOR MASONRY WALLS, PROVIDE COLD FLUID APPLIED WATERPROOFING (CFAWP) ON THE BACKFILLED FACE OF WALL. APPLY CFAWP FROM UNDERSIDE OF CONC. SLAB TO TOP OF FOOTING BELOW. CFAWP NOT TO INTERFERE WITH INSTALLATION OF CONC. SLAB VAPOR BARRIER.
6. GC TO PROVIDE ALL LOUVERS COORDINATE WITH MEP DRAWINGS.
7. ALL WALL LAYOUT DIMENSIONS ARE FROM FACE OF STUD & FACE OF CMU UNLESS OTHERWISE NOTED.
8. PROVIDE REQUIRED BLOCKING FOR ALL TV WALL MOUNTED BRACKETS.
9. PROVIDE DAMPROOFING ALONG EARTHEN SIDE OF RETAINING WALL.

CONFORMED SET

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES RESERVE ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION. © CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

REVISIONS

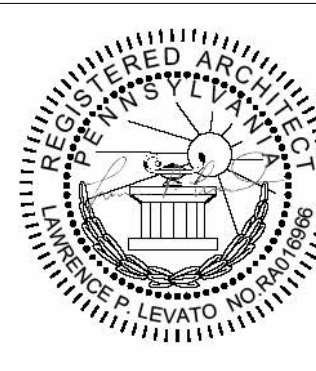
NO.	DATE	NAME	DESCRIPTION OF CHANGES
2	7/29/2026		ADDENDUM #2
3	8/4/2026		ADDENDUM #3
5	8/12/2026		ADDENDUM #5

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS
401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272

www.cra-architects.com

TOWSON, MARYLAND
CHARLOTTEVILLE, VIRGINIA
WHITE SULPHUR SPRINGS, WEST VIRGINIA

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
585 SOLANCO ROAD, QUARRYVILLE, PA 17566



OVERALL GROUND FLOOR
PLAN
PLOT SCALE:
1/8" = 1'-0"
FILENAME:
DATE:
JULY 8, 2026

PROJECT
3706
A1.0

- GENERAL NOTES:
1. ALL DOOR JAMBS SHALL BE LOCATED 4" FROM INSIDE CORNER OF WALL ON HINGE SIDE UNLESS OTHERWISE INDICATED.
 2. COORDINATE LOCATION OF MEP EQUIPMENT, DEVICES, OUTLET BOXES, ETC. WITH OTHER EQUIPMENT AND FINISH SCHEDULE PRIOR TO INSTALLATION.
 3. ALL EXTERIOR ENTRANCE PADS SHALL BE SLOPED 2% MAX AWAY FROM THE BUILDING TO EDGE OF PAD. REFER TO STRUCTURAL DRAWINGS.
 4. UNLESS NOTED OTHERWISE, ALL FLOOR DRAINS SHALL BE SET 1/4" MAX. BELOW FIN FLOOR. DISH FIN. FLOOR MIN. OF 24" RADIUS TO TOP OF FLOOR DRAIN. REFER TO PLUMBING DRAWINGS.
 5. UNLESS NOTED OTHERWISE, WHERE DIFFERENT FLOOR ELEVATIONS OCCUR ON OPPOSITE SIDES OF INTERIOR MASONRY WALLS, PROVIDE COLD FLUID APPLIED WATERPROOFING (CFWP) ON THE BACKFILLED FACE OF WALL. APPLY CFWP FROM UNDERSIDE OF CONC. SLAB TO TOP OF FOOTING BELOW. CFWP NOT TO INTERFERE WITH INSTALLATION OF CONC. SLAB VAPOR BARRIER.
 6. GC TO PROVIDE ALL LOUVERS COORDINATE WITH MEP DRAWINGS.
 7. ALL WALL LAYOUT DIMENSIONS ARE FROM FACE OF STUD & FACE OF CMU UNLESS OTHERWISE NOTED.
 8. PROVIDE REQUIRED BLOCKING FOR ALL TV WALL MOUNTED BRACKETS.
 9. PROVIDE DAMPROOFING ALONG EARTHEN SIDE OF RETAINING WALL.



1 OVERALL FIRST FLOOR PLAN
1/8" = 1'-0"

CONFORMED SET

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES BE TANGI ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION. © CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

REVISIONS

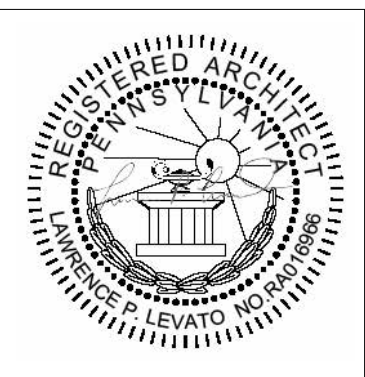
NO.	DATE	DESCRIPTION OF CHANGES
1	7/23/2026	ADDENDUM #1
2	7/23/2026	ADDENDUM #2
3	8/4/2026	ADDENDUM #3
5	8/12/2026	ADDENDUM #5

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS
401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272

www.cra-architects.com

TOWSON, MARYLAND
CHARLOTTEVILLE, VIRGINIA
WHITE SULPHUR SPRINGS, WEST VIRGINIA

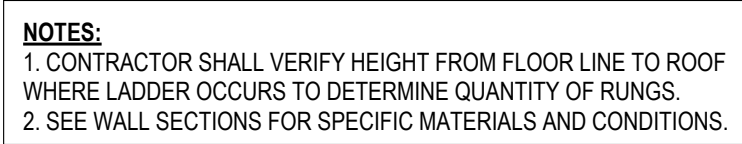
NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
585 SOLANCO ROAD, QUARRYVILLE, PA 17566



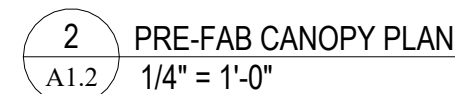
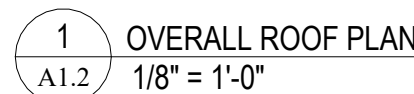
OVERALL FIRST FLOOR PLAN
PLOT SCALE:
1/8" = 1'-0"
FILENAME:
DATE:
JULY 8, 2026

PROJECT
3706

A1.1



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

[illegible]

www.cra-architects.com

TOWSON, MARYLAND

CHARLOTTESVILLE, VIRGINIA

WHITE SULPHUR SPRINGS, WEST VIRGINIA

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
585 SOLANCO ROAD, QUARRYVILLE, PA 17566



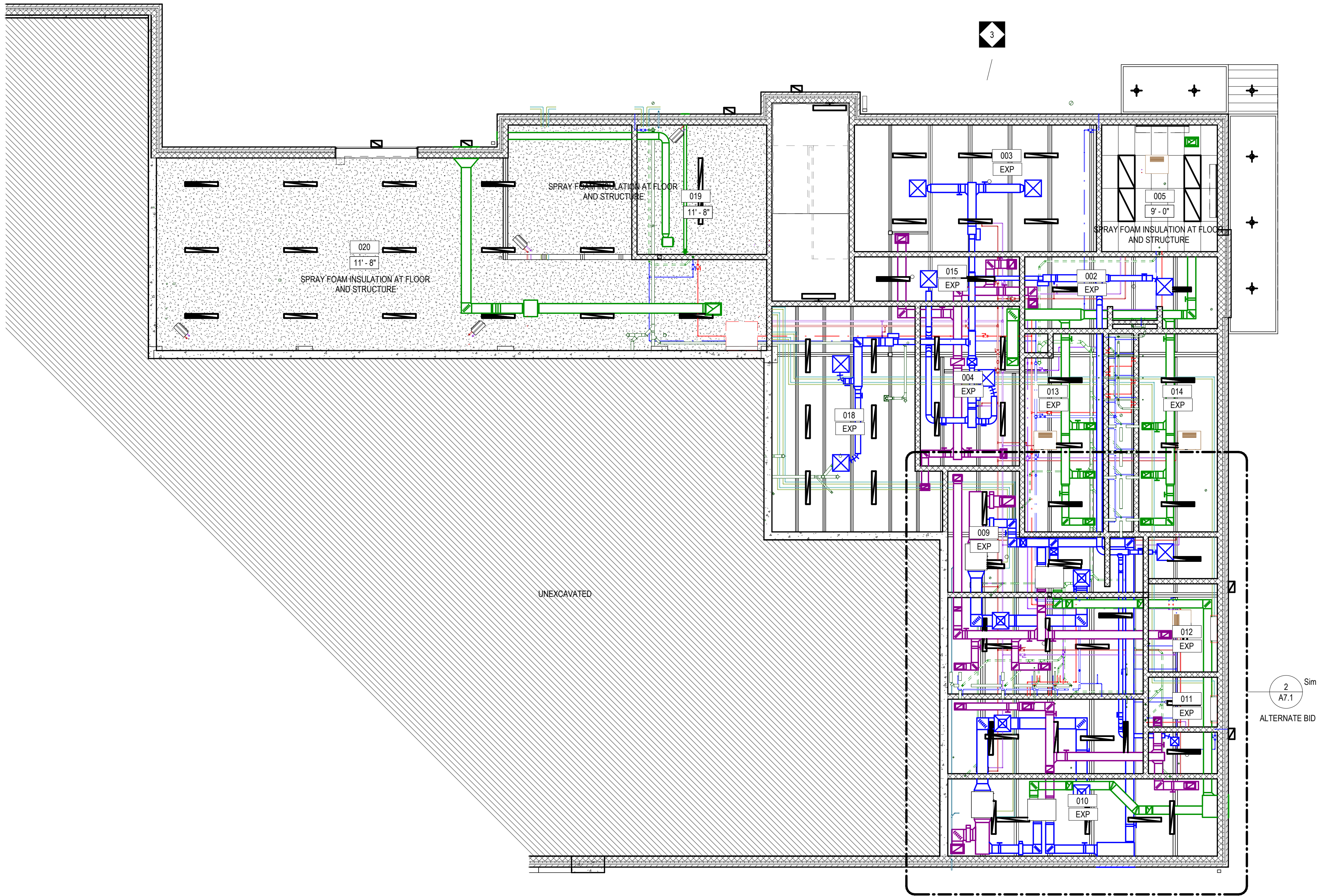
A1.2

REFLECTED CEILING PLAN GENERAL NOTES:

1. UNLESS NOTED OTHERWISE, GYPSUM BULKHEADS TO BE 3/8" METAL STUDS AT 16" O/C WITH 5/8" GWB EACH SIDE, EXTENDING MIN 2" BELOW ADJACENT CEILING.
2. CEILING GRID SHALL BE COORDINATED WITH MEP EQUIPMENT AND DEVICES.
3. UNLESS NOTED OTHERWISE, ALL VISIBLE STRUCTURAL STEEL, ROOF/FLOOR DECK, DUCTWORK, PIPING, CONDUIT, HANGER WIRES, ETC AT EXPOSED LOCATIONS OR ABOVE CEILING CLOUDS SHALL BE PAINTED.
4. REFER TO ROOM FINISH SCHEDULE FOR CEILING TYPES.
5. ALL VISIBLE HANGER WIRES, STRUCTURE AND BRACING AT EXPOSED CEILING GRID OR CEILING CLOUD LOCATIONS SHALL BE INSTALLED PLUMB AND LEVEL.
6. FOR WINDOWS THAT REQUIRE TWO OR MORE ROLLER SHADES, EACH ROLLER SHADE SHALL TERMINATE AT THE CENTER OF THE WINDOW MULLION. REFER TO HOLLOW METAL AND ALUMINUM FRAME ELEVATIONS FOR FOR DIMENSIONS AND WINDOW MULLION DESIGN AND ROLLER SHADE BRAKES.

LEGEND

	2' X 4' SUSPENDED CEILING SYSTEM		2' X 4' LIGHT FIXTURE
	2' X 4' SECOND LOOK SUSPENDED CEILING SYSTEM		1' X 4' LIGHT FIXTURE
	FAUX WOOD - 3/4" PLYWOOD ON 3/8" METAL STUD		2' X 2' LIGHT FIXTURE
	LINEAR METAL - WOOD LOOK		SEE MEP DRAWINGS
	LINEAR METAL SOFFIT		SEE MEP DRAWINGS
	GYPSUM WALLBOARD		RECESSED DOWN LIGHT
			PENDANT LIGHT FIXTURES
			ROLLER SHADE - MANUAL
			ROLLER SHADE - MOTORIZED



1 GROUND FLOOR REFLECTED CEILING PLAN
A1.3 1/8" = 1'-0"

CONFORMED SET

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES RE TAIN ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION. © CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

REVISIONS

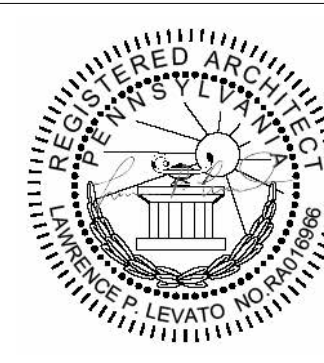
NO	DATE	NAME	DESCRIPTION OF CHANGES
3	8/4/2026		ADDENDUM #3

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS
401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272

www.cra-architects.com

TOWSON, MARYLAND
CHARLOTTEVILLE, VIRGINIA
WHITE SULPHUR SPRINGS, WEST VIRGINIA

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
585 SOLANCO ROAD, QUARRYVILLE, PA 17566



GROUND FLOOR REFLECTED
CEILING PLAN

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

FILENAME:

DATE:
JULY 8, 2026

PROJECT
3706

A1.3

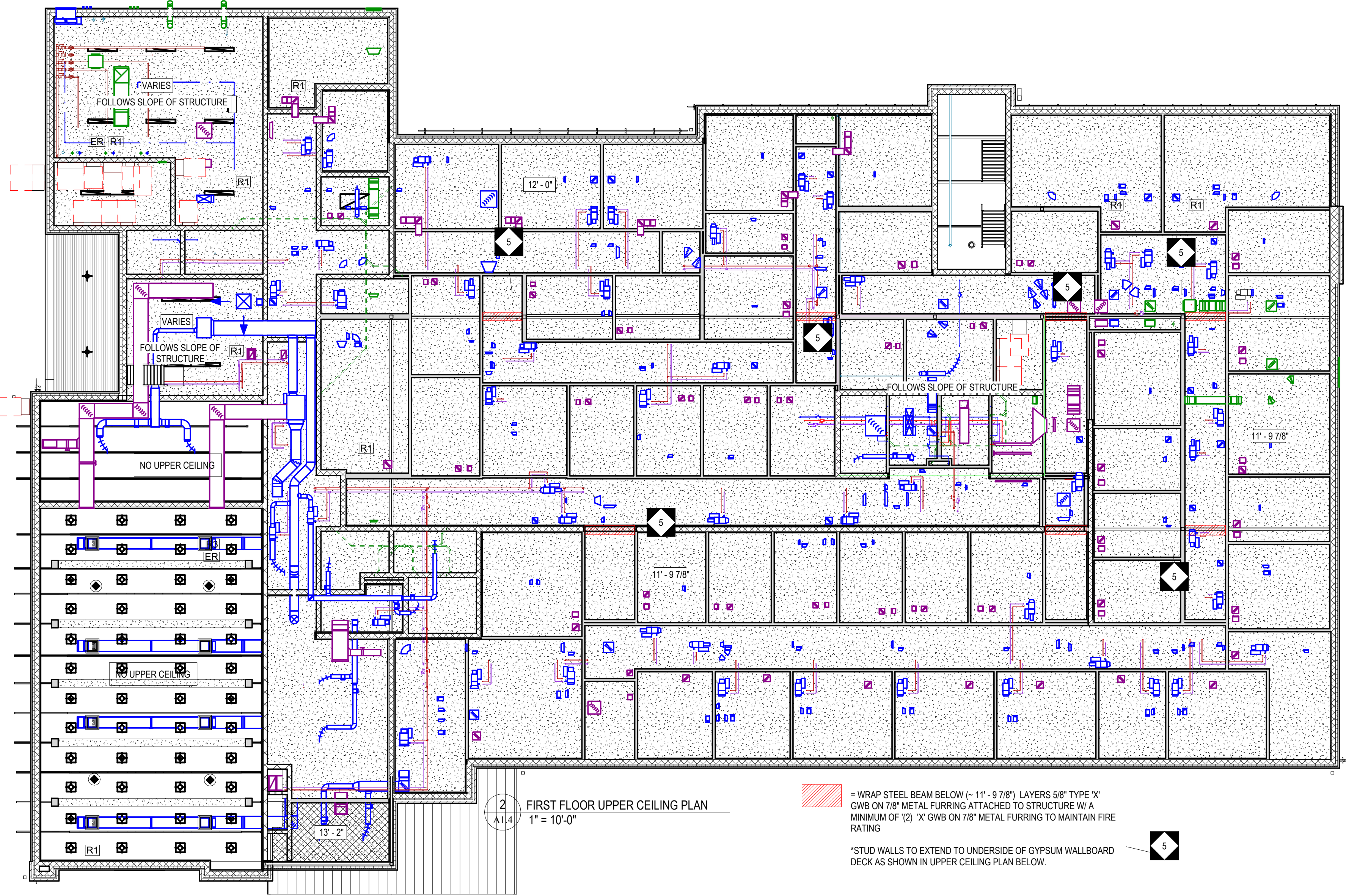


- REFLECTED CEILING PLAN GENERAL NOTES:**
1. UNLESS NOTED OTHERWISE, GYPSUM BULKHEADS TO BE 3 5/8" METAL STUDS AT 16" O/C WITH 5/8" GWB EACH SIDE, EXTENDING MIN 2" BELOW ADJACENT CEILING.
 2. CEILING GRID SHALL BE COORDINATED WITH MEP EQUIPMENT AND DEVICES.
 3. UNLESS NOTED OTHERWISE, ALL VISIBLE STRUCTURAL STEEL, ROOF/FLOOR DECK, DUCTWORK, PIPING, CONDUIT, HANGER WIRES, ETC AT EXPOSED LOCATIONS OR ABOVE CEILING CLOUDS SHALL BE PAINTED.
 4. REFER TO ROOM FINISH SCHEDULE FOR CEILING TYPES.
 5. ALL VISIBLE HANGER WIRES, STRUCTURE AND BRACING AT EXPOSED CEILING GRID OR CEILING CLOUD LOCATIONS SHALL BE INSTALLED PLUMB AND LEVEL.
 6. FOR WINDOWS THAT REQUIRE TWO OR MORE ROLLER SHADES, EACH ROLLER SHADE SHALL TERMINATE AT THE CENTER OF THE WINDOW MULLION. REFER TO HOLLOW METAL AND ALUMINUM FRAME ELEVATIONS FOR DIMENSIONS AND WINDOW MULLION DESIGN AND ROLLER SHADE BRAKES.

LEGEND

	2' x 4' SUSPENDED CEILING SYSTEM		2' x 4' LIGHT FIXTURE
	2' x 4' SECOND LOOK SUSPENDED CEILING SYSTEM		1' x 4' LIGHT FIXTURE

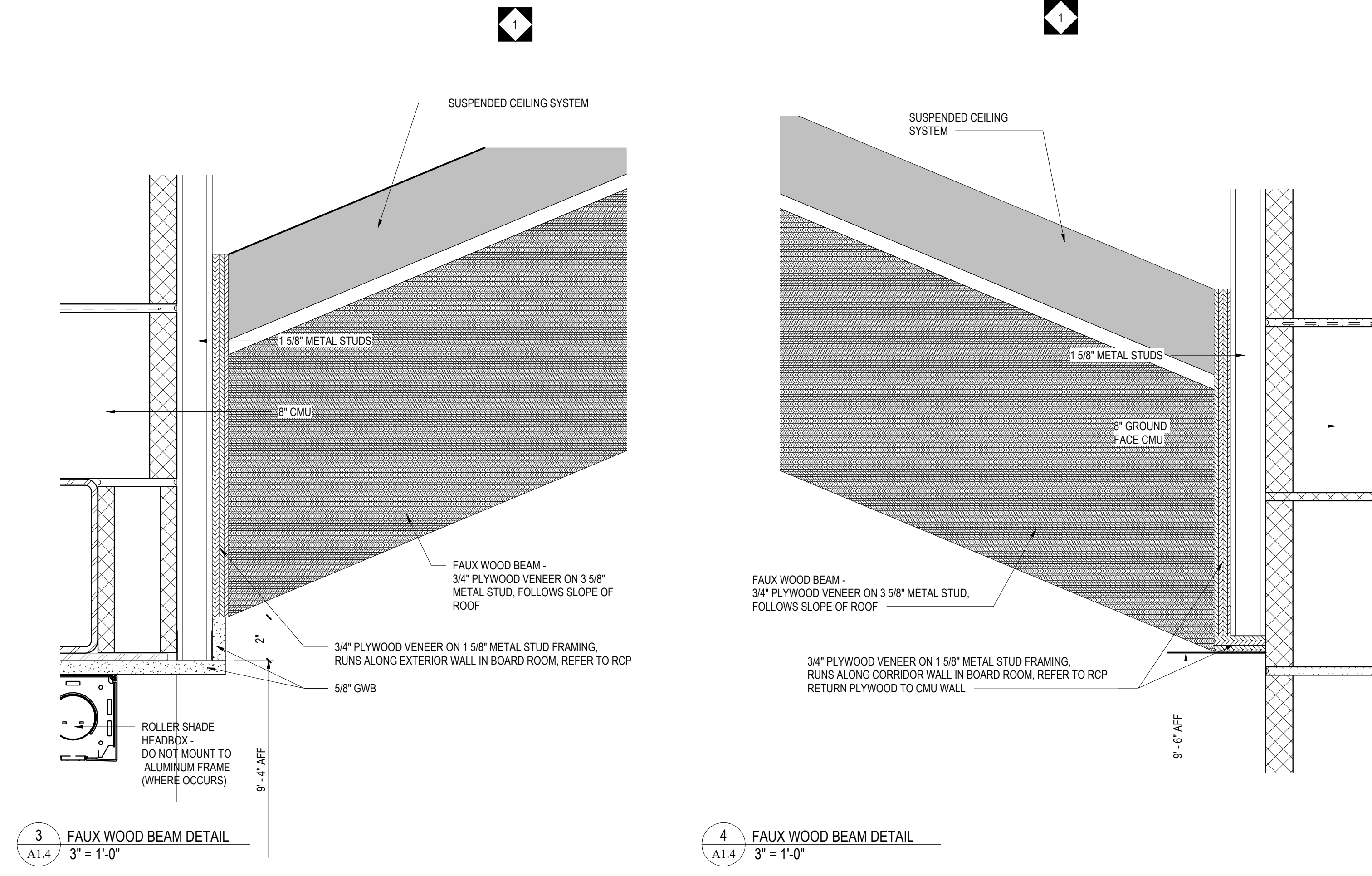
1 FIRST FLOOR REFLECTED CEILING PLAN - FINISH CEILING
1/8" = 1'-0"



2 FIRST FLOOR UPPER CEILING PLAN
1" = 10'-0"

* WRAP STEEL BEAM BELOW (11' - 9'78") LAYERS 5/8" TYPE 'X' GWB ON 7/8" METAL FURRING ATTACHED TO STRUCTURE W/ A MINIMUM OF (2) "X" GWB ON 7/8" METAL FURRING TO MAINTAIN FIRE RATING

* STUD WALLS TO EXTEND TO UNDERSIDE OF GYPSUM WALLBOARD DECK AS SHOWN IN UPPER CEILING PLAN BELOW.



3 FAUX WOOD BEAM DETAIL
3" = 1'-0"

4 FAUX WOOD BEAM DETAIL
3" = 1'-0"

CONFORMED SET

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES RE-TAIN ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL LINE WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION. © CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

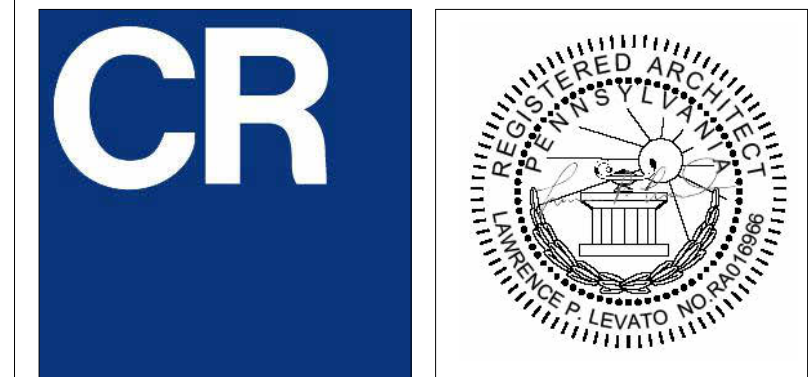
REVISIONS

NO.	DATE	BY	NAME	DESCRIPTION OF CHANGES
1	7/23/2025			ADDENDUM #1
5	8/12/2025			ADDENDUM #5

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS
TOWSON, MARYLAND
CHARLOTTEVILLE, VIRGINIA
WHITE SULPHUR SPRINGS, WEST VIRGINIA
www.cra-architects.com

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
585 SOLANCO ROAD, QUARRYVILLE, PA 17566

401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272

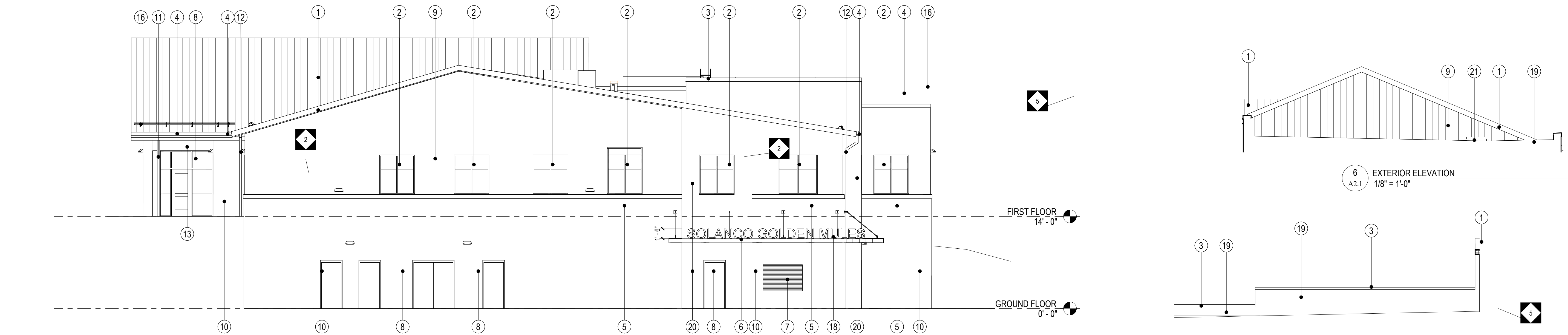


FIRST FLOOR REFLECTED CEILING PLAN

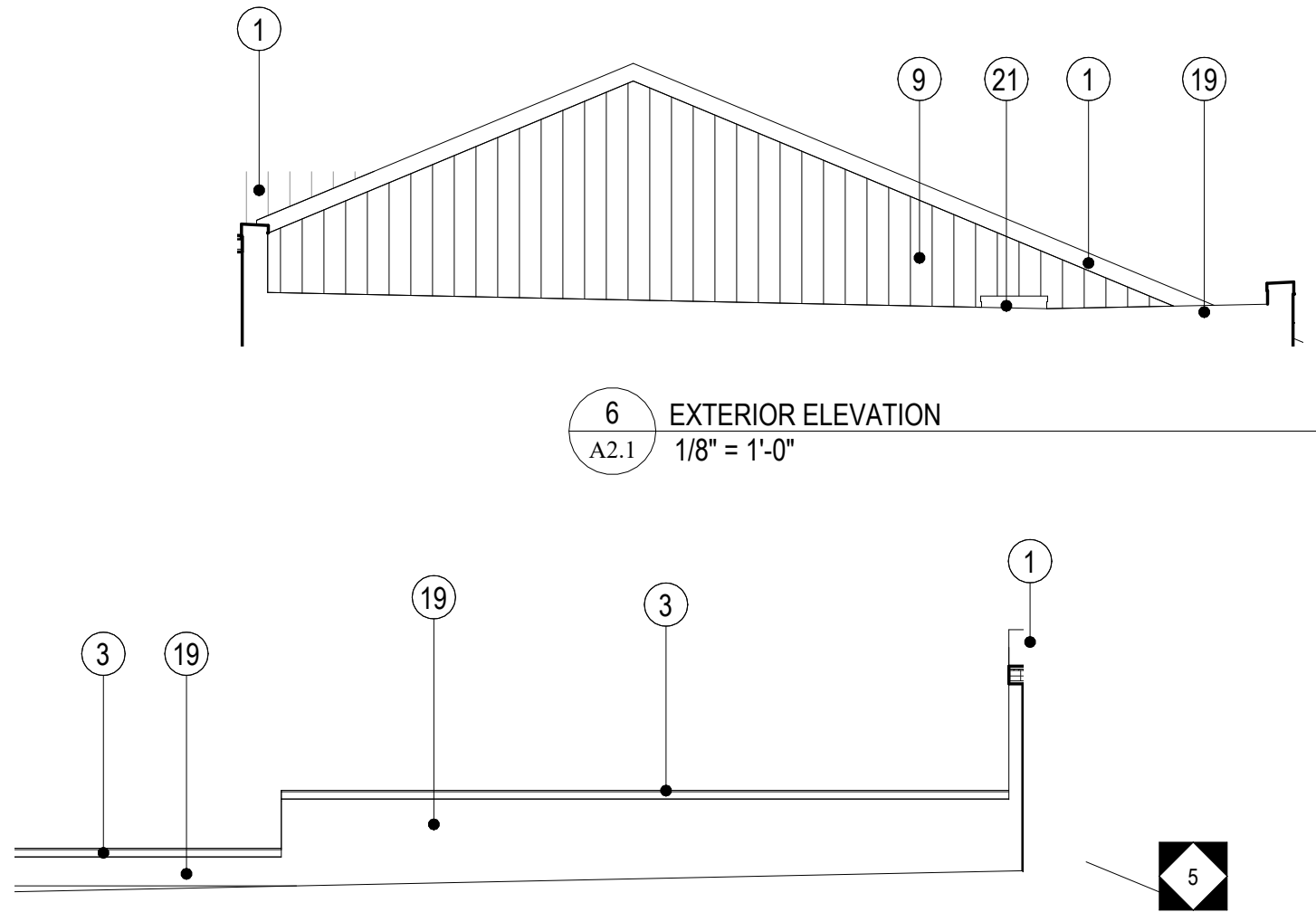
PROJECT 3706

A1.4

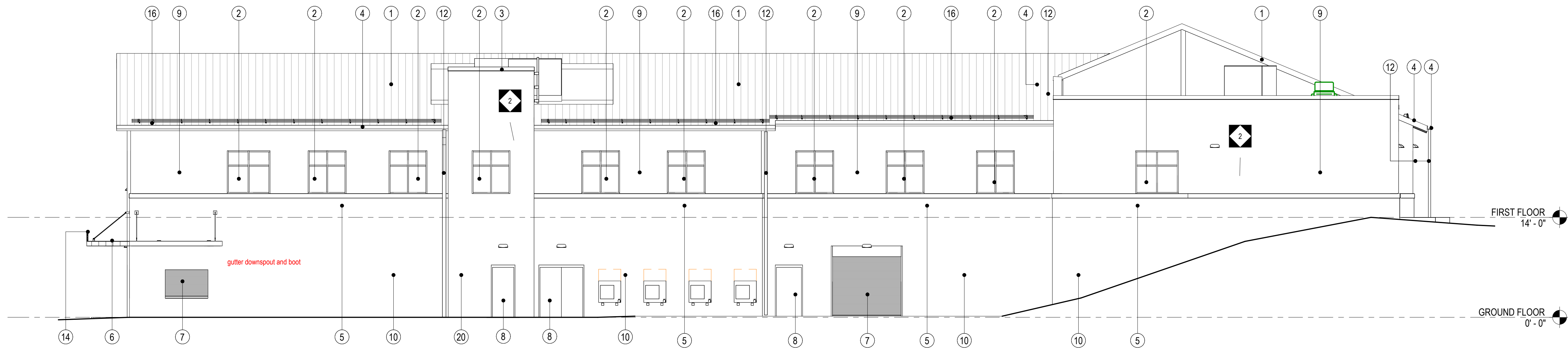
DATE: JULY 8, 2026



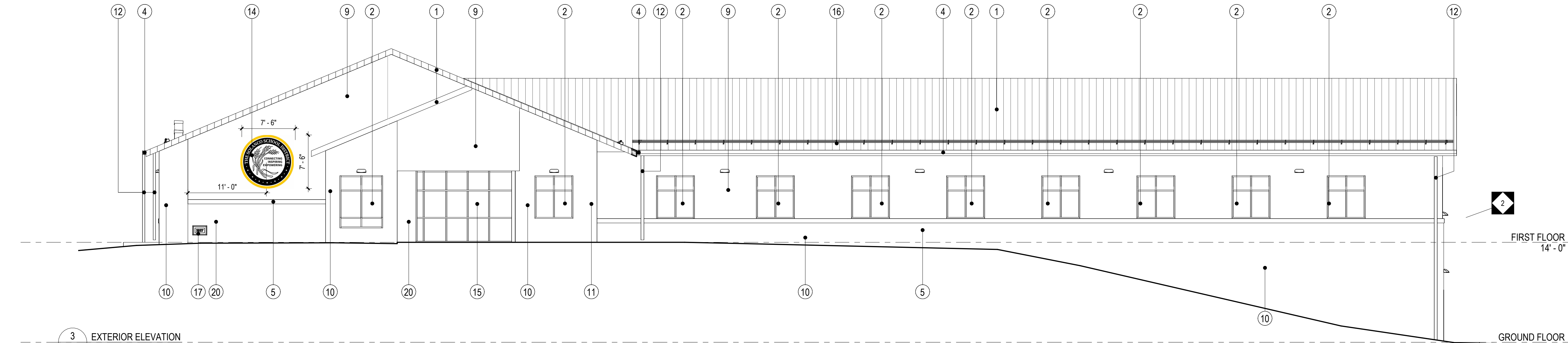
2 EXTERIOR ELEVATION
A2.1
1/8" = 1'-0"



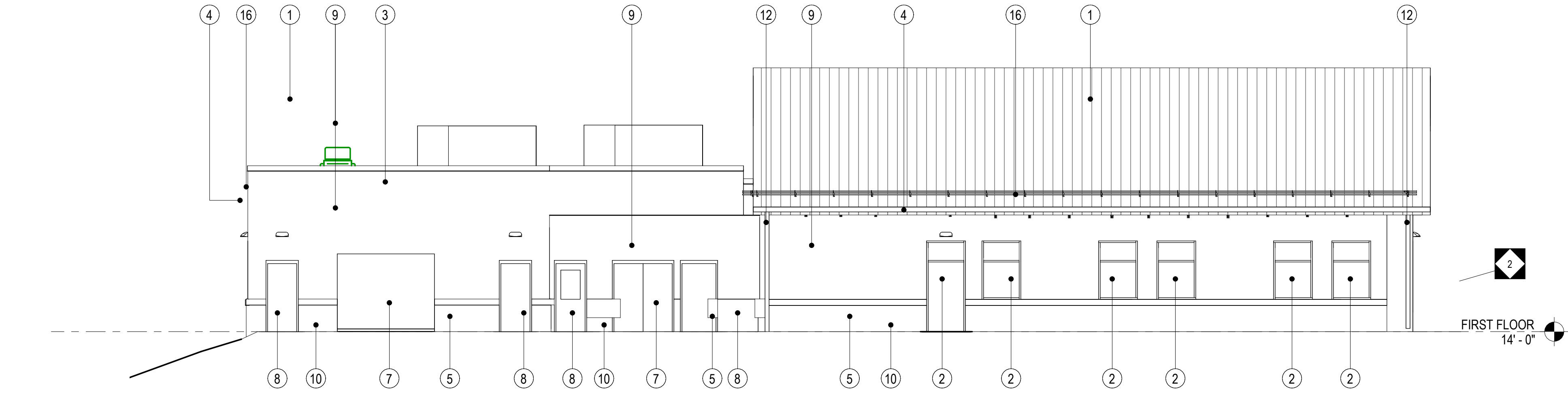
6 EXTERIOR ELEVATION
A2.1
1/8" = 1'-0"



1 EXTERIOR ELEVATION
A2.1
1/8" = 1'-0"

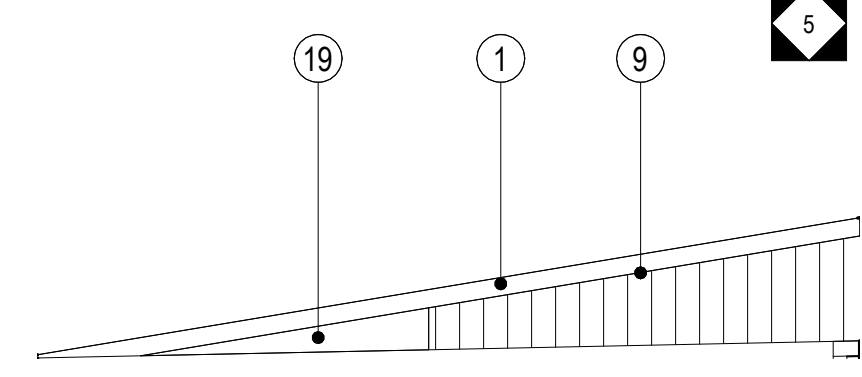


3 EXTERIOR ELEVATION
A2.1
1/8" = 1'-0"

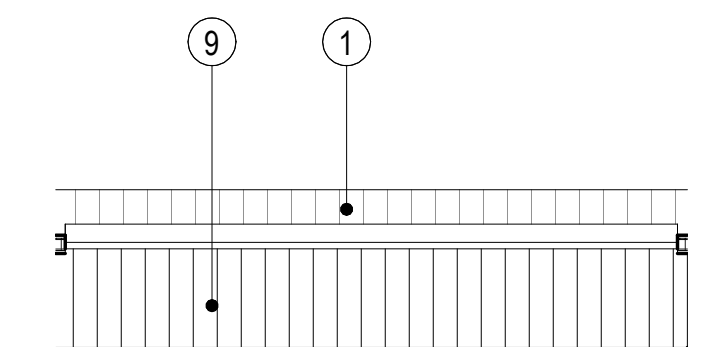


4 EXTERIOR ELEVATION
A2.1
1/8" = 1'-0"

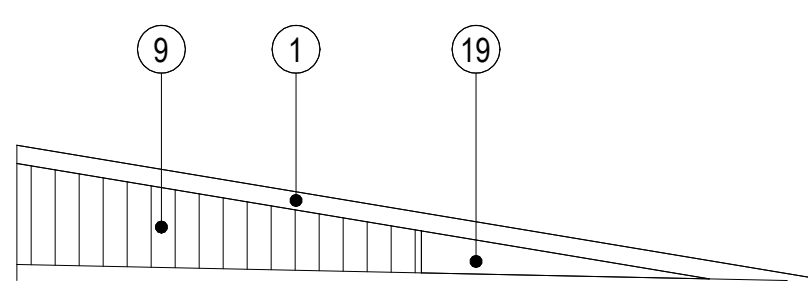
EXTERIOR ELEVATION LEGEND	
TAG	ELEVATION NOTE
1	STANDING SEAM METAL ROOF SYSTEM
2	ALUMINUM STOREFRONT SYSTEM
3	METAL FASCIA
4	METAL GUTTER
5	PRECAST CONCRETE SILL
6	PREFABRICATED METAL CANOPY SYSTEM
7	COILING DOOR
8	HOLLOW METAL DOOR & FRAME, PAINT
9	COMPOSITE METAL PANEL
10	SPLIT FACE CMU (TYPE A)
11	STEEL COLUMN
12	METAL DOWNSPOUT W/ CAST IRON BOOT
13	STEEL BEAM
14	METAL BUILDING SIGNAGE - BACKLIT
15	HOLLOW METAL FRAME, PAINT
16	METAL SNOW GUARD
17	DATE STONE
18	CAST ALUMINUM LETTERS
19	MEMBRANE ROOFING AND FLASHING SYSTEM
20	SPLIT FACE CMU (TYPE B)
21	ROOF HATCH



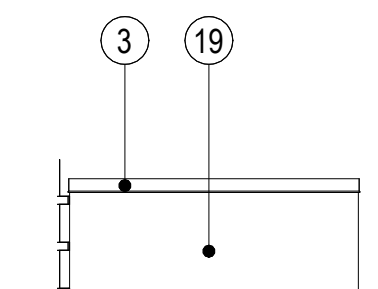
8 EXTERIOR ELEVATION
A2.1
1/8" = 1'-0"



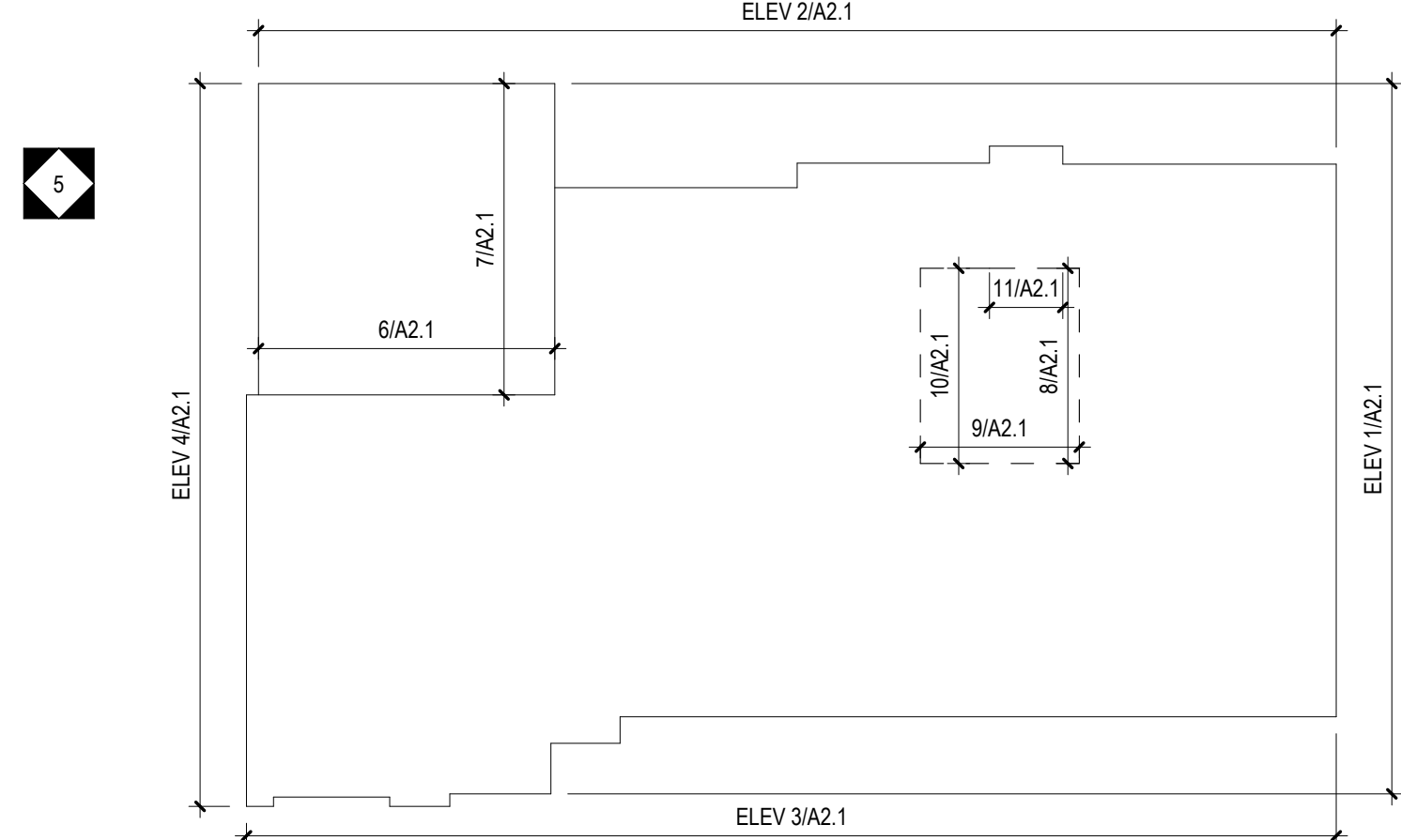
9 EXTERIOR ELEVATION
A2.1
1/8" = 1'-0"



10 EXTERIOR ELEVATION
A2.1
1/8" = 1'-0"



11 EXTERIOR ELEVATION
A2.1
1/8" = 1'-0"



CONFORMED SET

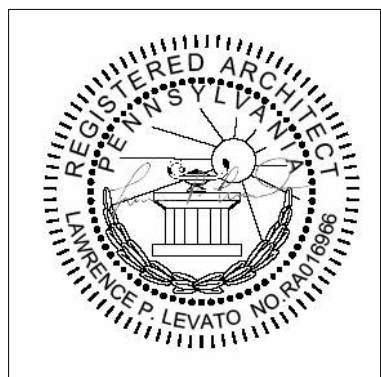
ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES WILL NOT BE RESPONSIBLE FOR THE REPRODUCTION OF THIS MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES. THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION. © CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

REVISIONS

NO.	DATE	BY	DESCRIPTION OF CHANGES
2	7/29/2025		ADDENDUM #2
5	8/12/2025		ADDENDUM #5

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS
TOWSON, MARYLAND
CHARLOTTEVILLE, VIRGINIA
WHITE SULPHUR SPRINGS, WEST VIRGINIA
401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272
www.cra-architects.com

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
585 SOLANCO ROAD, QUARRYVILLE, PA 17566

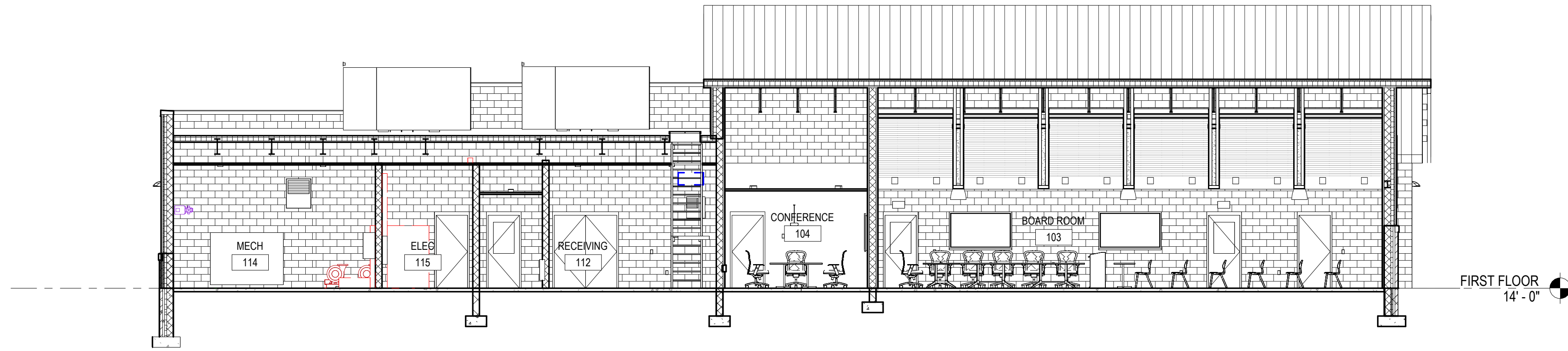


EXTERIOR ELEVATIONS

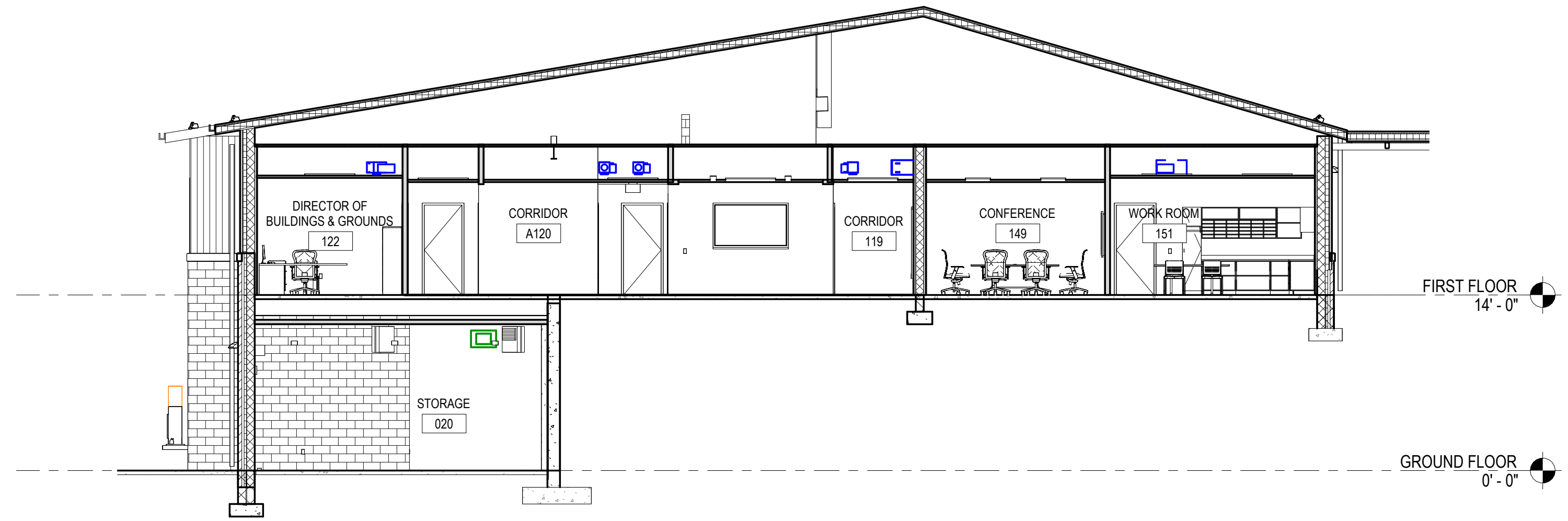
PLOT SCALE:
As indicated
FILENAME:
DATE:
JULY 8, 2026

PROJECT
3706

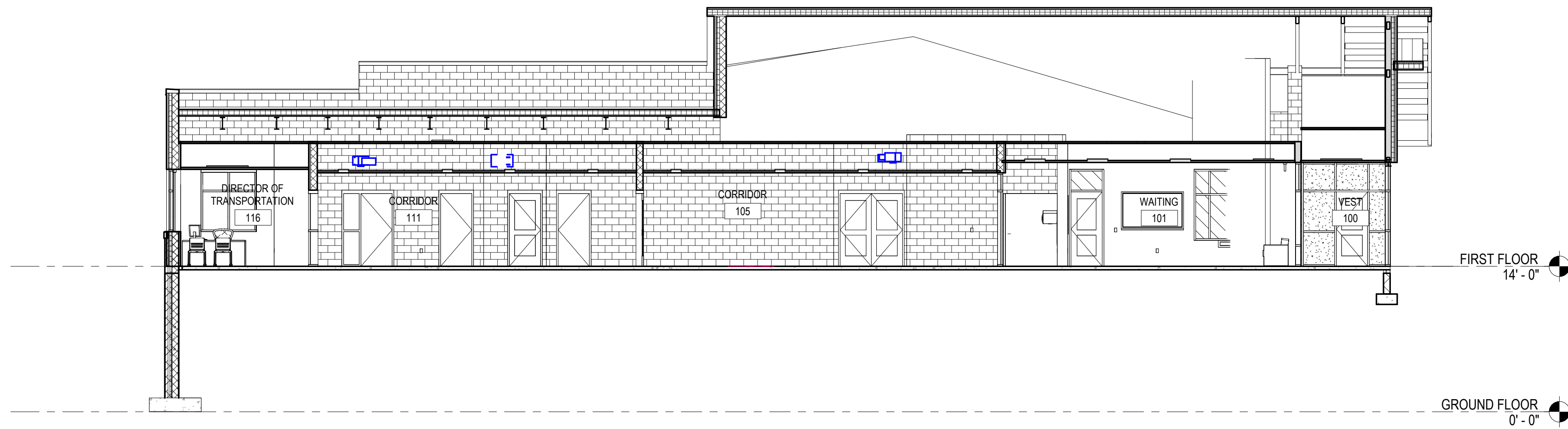
A2.1



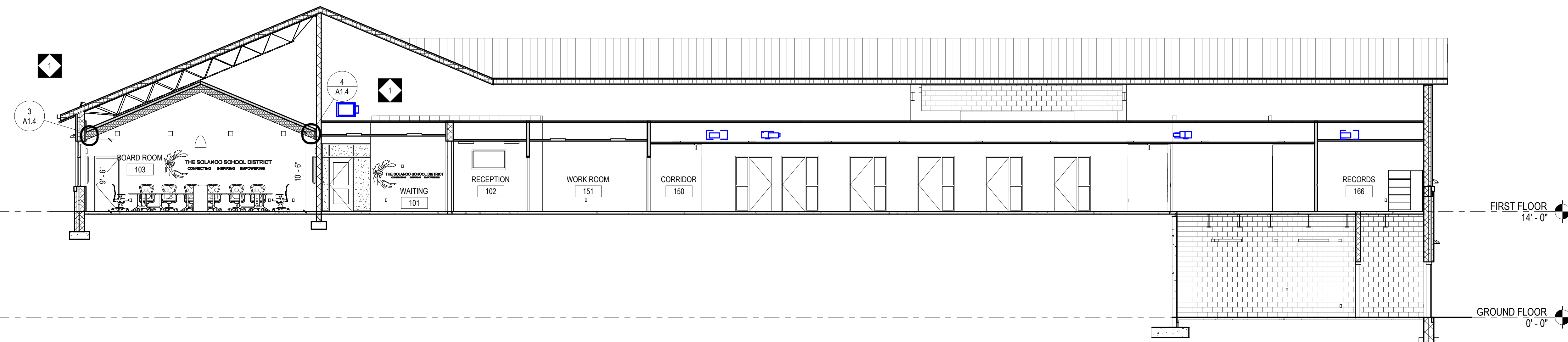
1 OVERALL BUILDING SECTION
A3.1 1/8" = 1'-0"



2 OVERALL BUILDING SECTION
A3.1 1/8" = 1'-0"



3 OVERALL BUILDING SECTION
A3.1 1/8" = 1'-0"



4 OVERALL BUILDING SECTION
A3.1 1/8" = 1'-0"

CONFORMED SET

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES HEREBY DISCLAIM ALL OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION. © CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

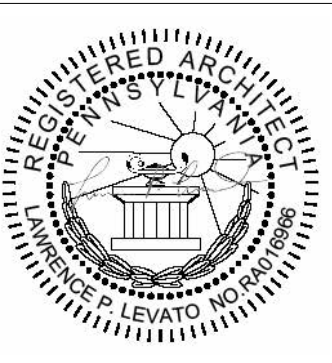
REVISIONS

NO.	DATE	BY	NAME	DESCRIPTION OF CHANGES
1	7/23/2026			ADDENDUM #1

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS
TOWSON, MARYLAND
CHARLOTTEVILLE, VIRGINIA
WHITE SULPHUR SPRINGS, WEST VIRGINIA
www.cra-architects.com

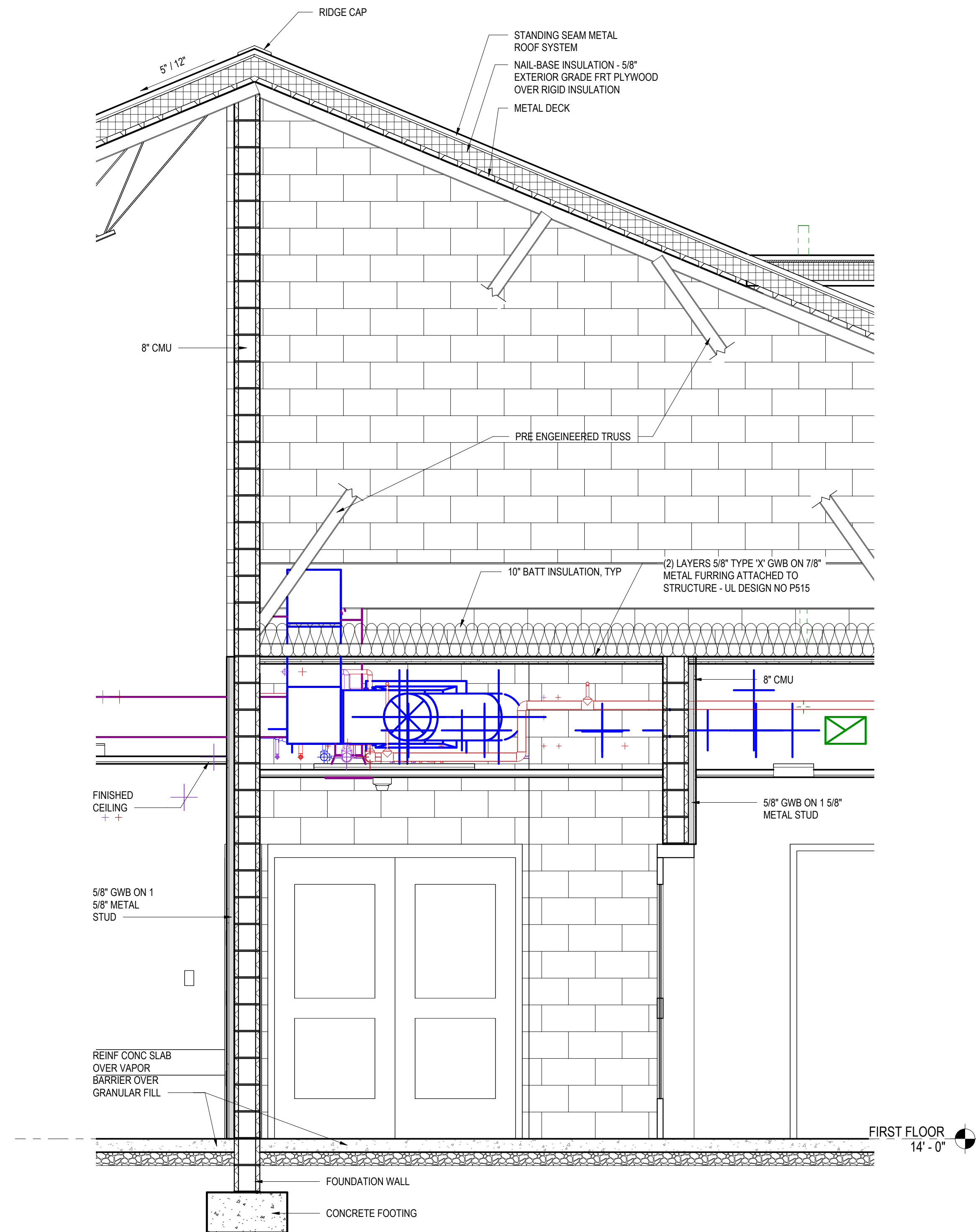
401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
585 SOLANCO ROAD, QUARRYVILLE, PA 17566

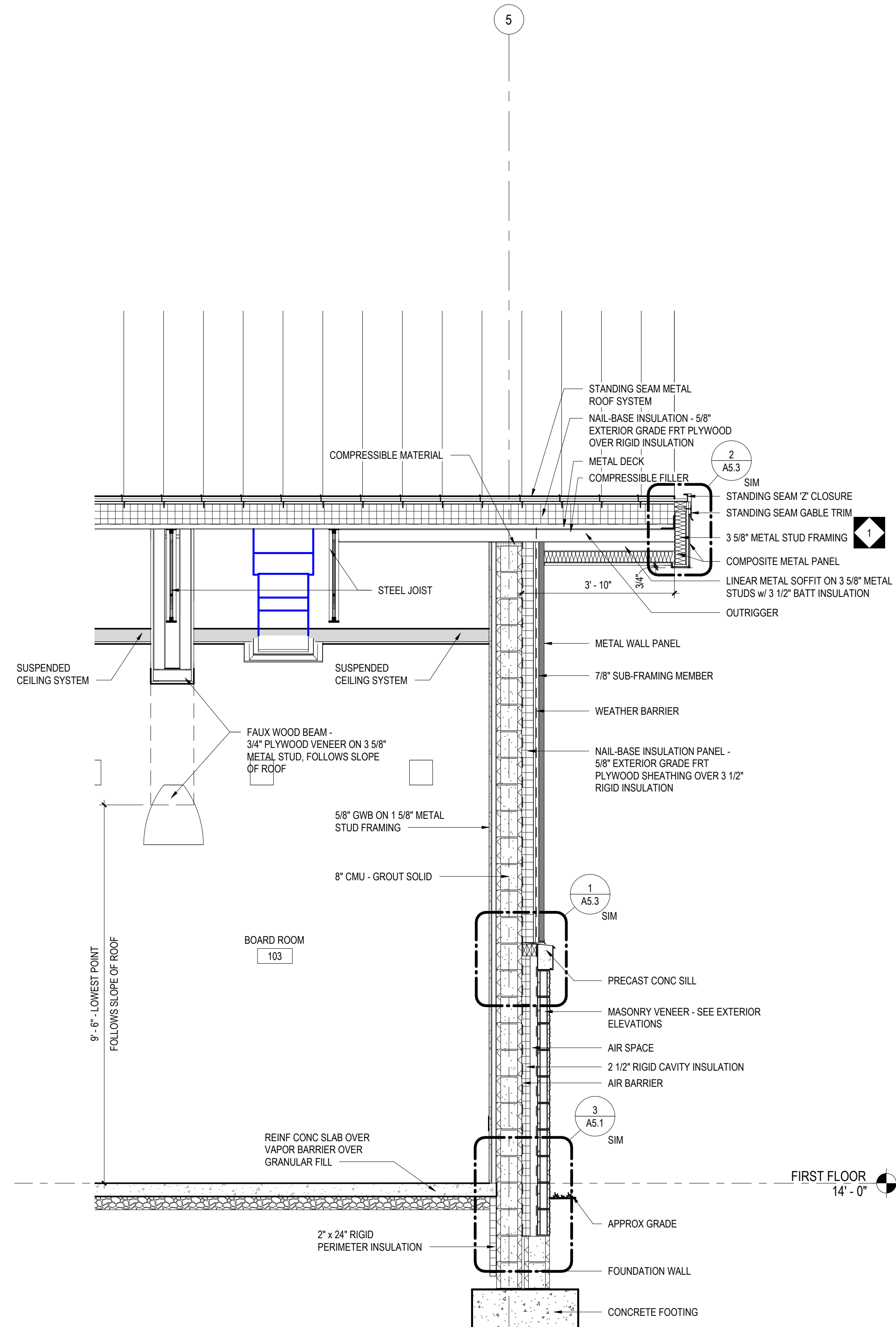


BUILDING SECTIONS
PLOT SCALE:
1/8" = 1'-0"
FILENAME:
DATE:
JULY 8, 2026

PROJECT
3706
A3.1



1 WALL SECTION
A3.2 1/2" = 1'-0"



2 WALL SECTION
A3.2 1/2" = 1'-0"

CONFORMED SET

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES HEREBY DISCLAIM ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION. © CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

REVISIONS

NO.	DATE	BY	NAME	DESCRIPTION OF CHANGES
1	7/23/2026			ADDENDUM #1

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS
401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272

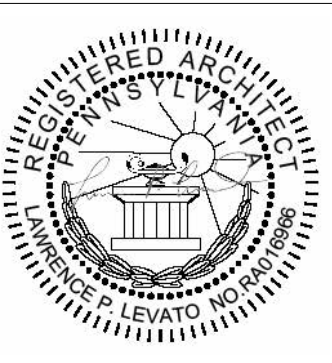
www.cra-architects.com

TOWSON, MARYLAND

CHARLOTTEVILLE, VIRGINIA

WHITE SULPHUR SPRINGS, WEST VIRGINIA

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
585 SOLANCO ROAD, QUARRYVILLE, PA 17566



WALL SECTIONS

PLOT SCALE:
1/2" = 1'-0"
FILENAME:
DATE:
JULY 8, 2026

PROJECT
3706

A3.2

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE ROHRBAUGH & ASSOCIATES RETAINS ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THERETO. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION.
© CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

01	MM-DD-YR	NAME	DESCRIPTION OF CHANGES
1	7/23/2026		ADDENDUM #1

www.cra-architects.com

TOWSON, MARYLAND

WHITE SULPHUR SPRINGS, WEST VIRGINIA

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
585 SOLANCO ROAD, QUARRYVILLE, PA 17566

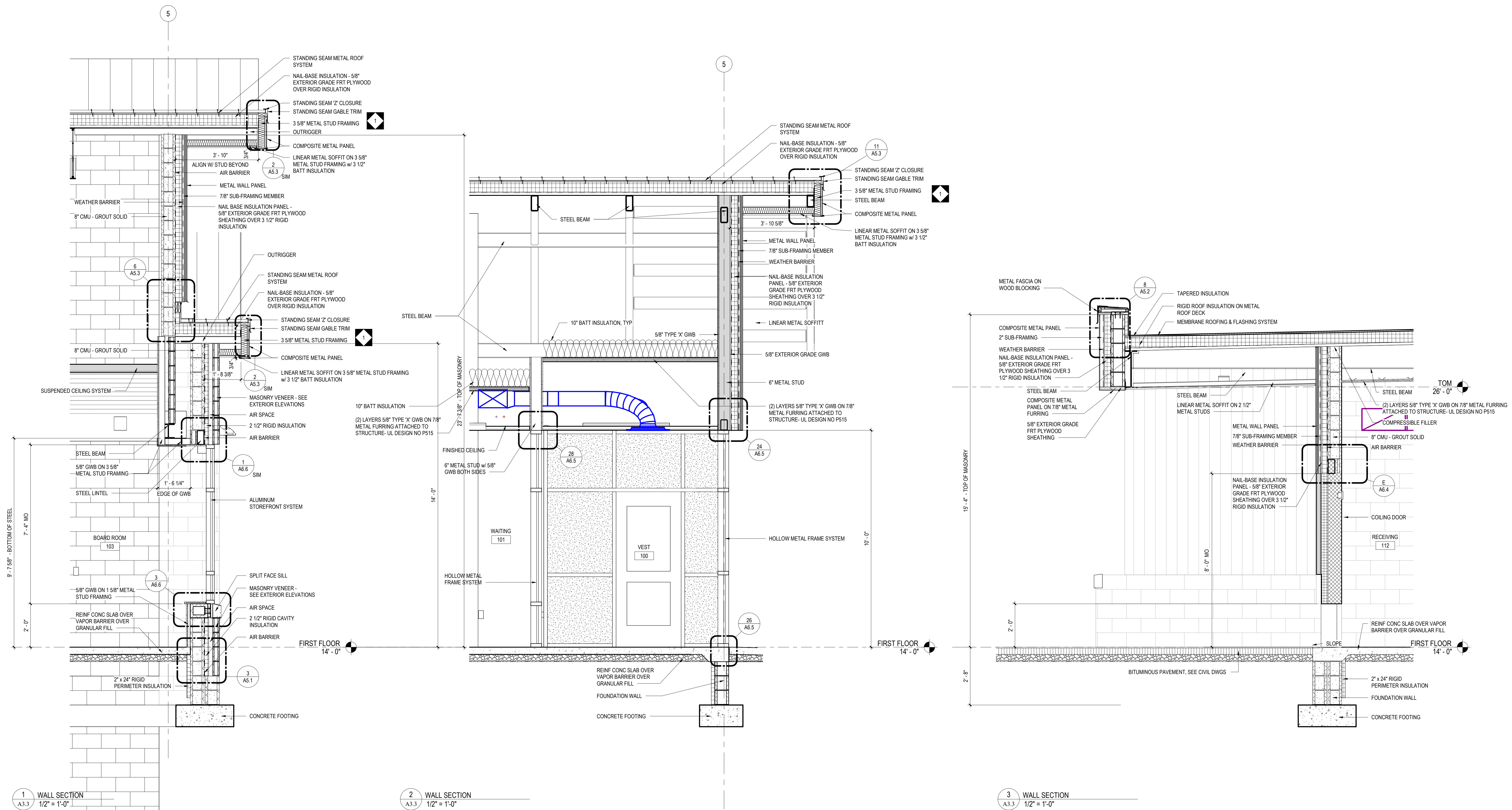
SCHOOL DISTRICT ADMINISTRATION
THE SOLANCO SCHOOL DISTRICT
585 SOLANCO ROAD, QUARRYVILLE, PA 17566

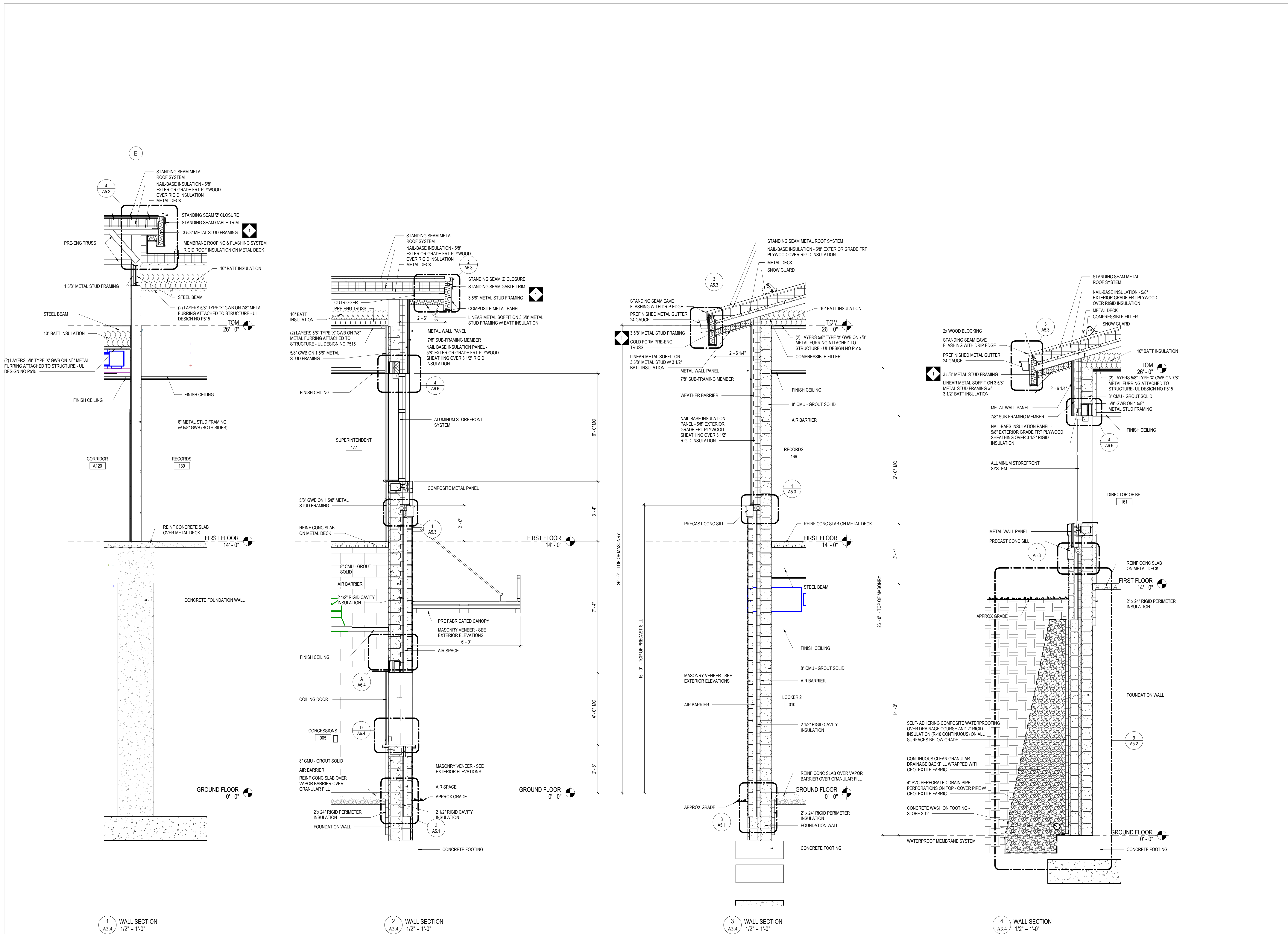
717-458-0272

PLOT SCALE:
1/2" = 1'-0"

DATE: JULY 8, 2026

A3.3





CONFORMED SET

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES IS NOT RESPONSIBLE FOR THE REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES. THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION. © CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

REVISIONS		
NO.	DATE	DESCRIPTION OF CHANGES
1	7/23/2026	ADDENDUM #1

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS

401 EAST WINDING HILL ROAD

MECHANICSBURG PA 17055

717-458-0272

TOWSON, MARYLAND

CHARLOTTEVILLE, VIRGINIA

WHITE SULPHUR SPRINGS, WEST VIRGINIA

NEW CONSTRUCTION FOR

NEW DISTRICT ADMINISTRATION OFFICES

THE SOLANCO SCHOOL DISTRICT

585 SOLANCO ROAD, QUARRYVILLE, PA 17566

CR

CRABTREE ROHRBAUGH & ASSOCIATES

WALL SECTIONS

PLOT SCALE: 1/2" = 1'-0"

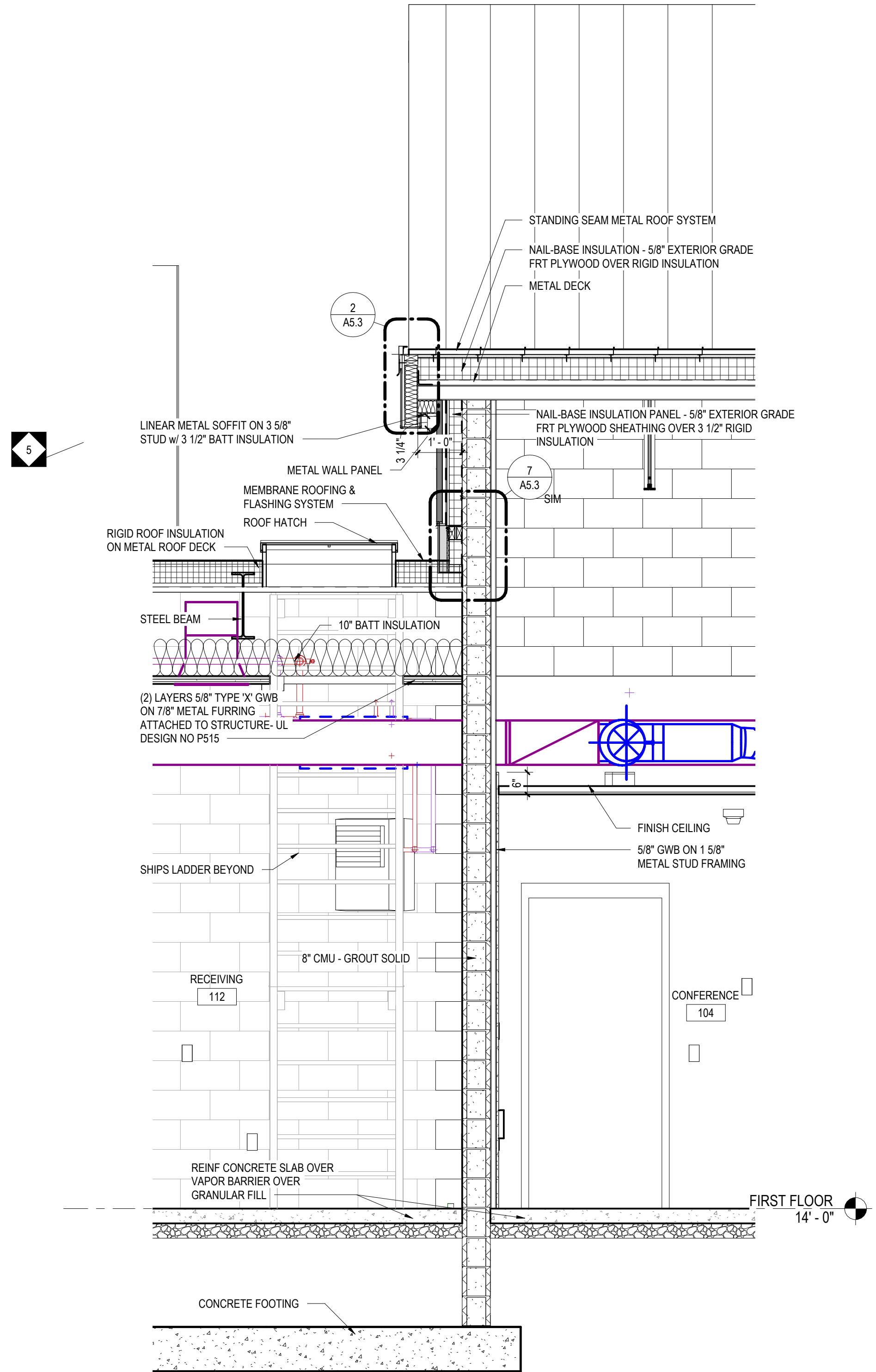
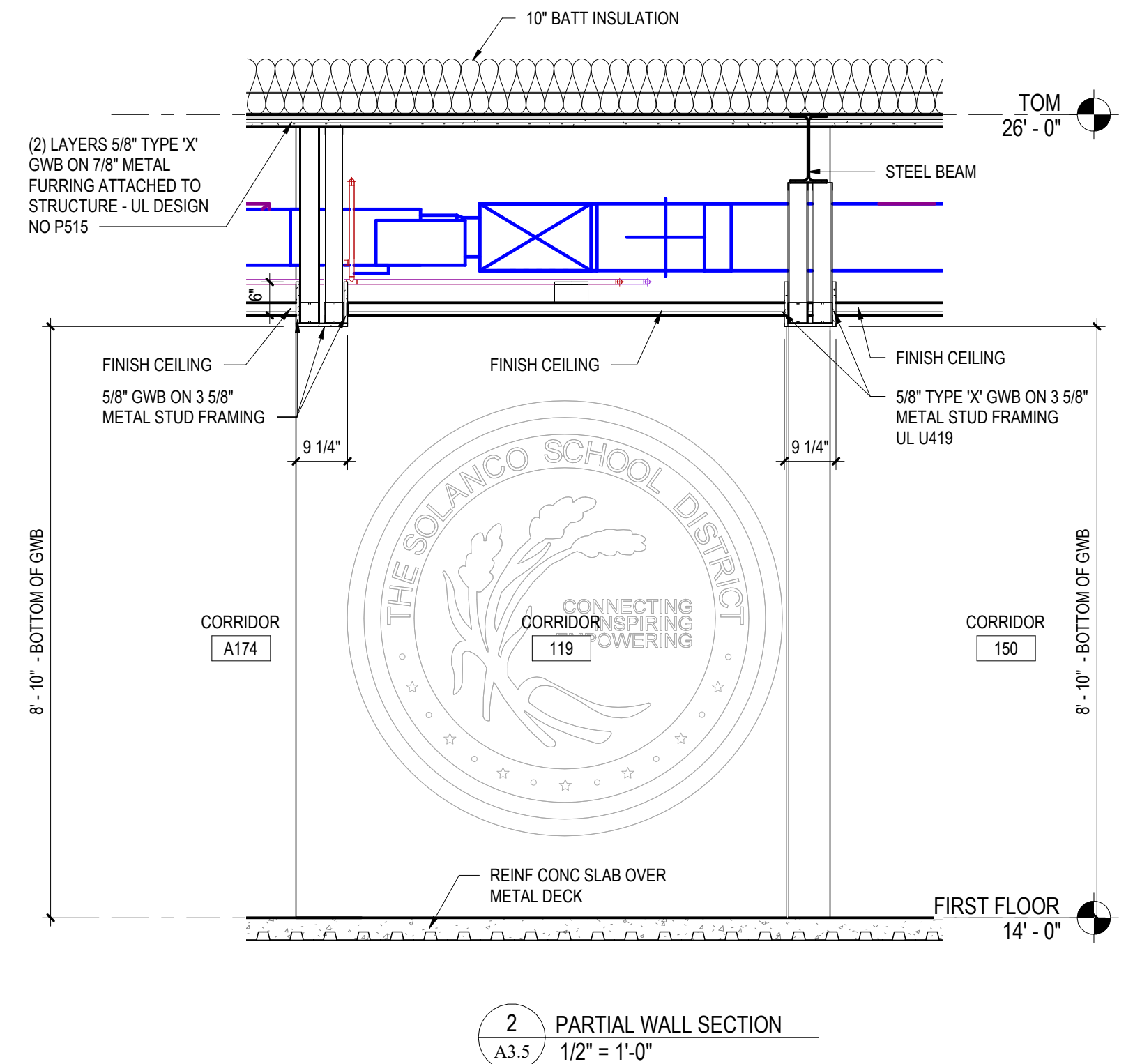
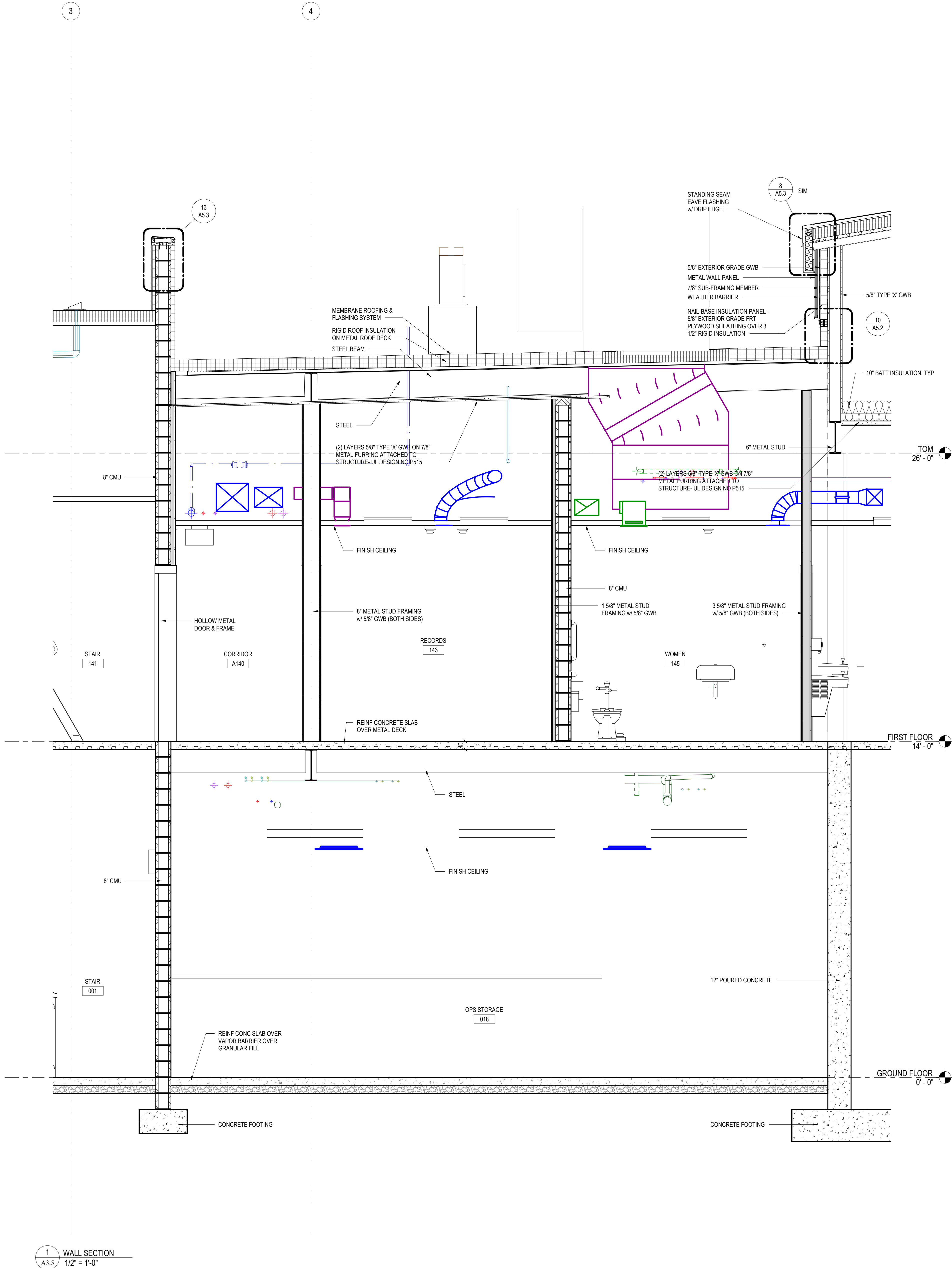
FILENAME:

DATE: JULY 8, 2026

PROJECT

3706

A3.4



CONFORMED SET

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES SHALL NOT BE RESPONSIBLE FOR THE REPRODUCTION OF THIS MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT THE WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES. VIOLATION OF THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION. © CRABTREE, ROHRBAUGH & ASSOCIATES, INC. 2024

REVISIONS

NO.	DATE	BY	NAME	DESCRIPTION OF CHANGES
1	8/12/2026			ADDENDUM #5

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS
401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272

www.cra-architects.com
TOWSON, MARYLAND
CHARLOTTEVILLE, VIRGINIA
WHITE SULPHUR SPRINGS, WEST VIRGINIA

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
585 SOLANCO ROAD, QUARRYVILLE, PA 17566

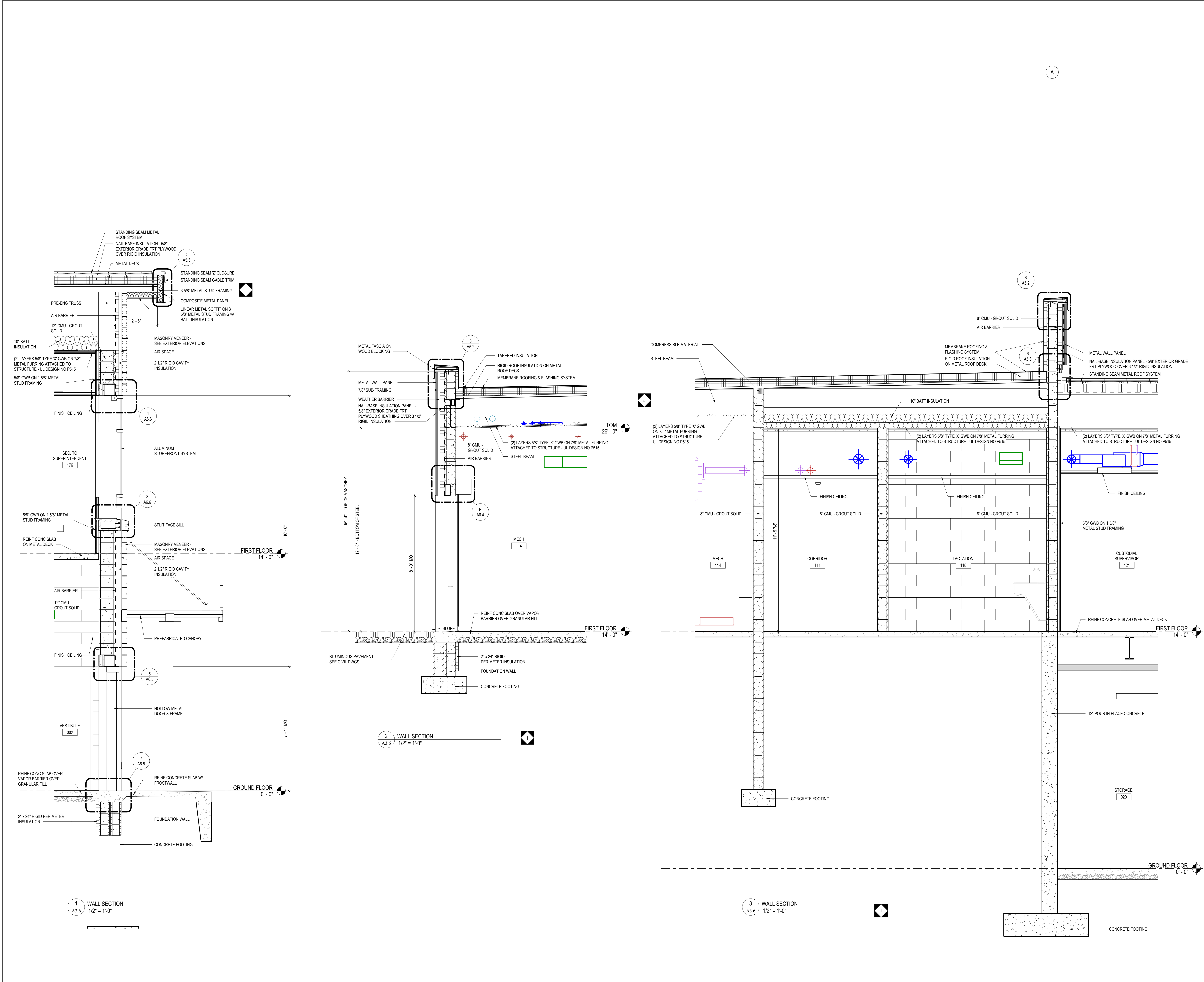


WALL SECTIONS

PLOT SCALE:
1/2" = 1'-0"
FILENAME:
DATE:
JULY 8, 2026

PROJECT
3706

A3.5



CONFORMED SET

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES RE TANK ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THERE TO. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION.

© CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

REVISIONS

NO	DATE	NAME	DESCRIPTION OF CHANGES
1	7/23/2026		ADDENDUM #1
5	8/12/2026		ADDENDUM #5

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS

401 EAST WINDING HILL ROAD

MECHANICSBURG PA 17055

717-458-0272

TOWSON, MARYLAND

CHARLOTTEVILLE, VIRGINIA

WHITE SULPHUR SPRINGS, WEST VIRGINIA

NEW CONSTRUCTION FOR

NEW DISTRICT ADMINISTRATION OFFICES

THE SOLANCO SCHOOL DISTRICT

585 SOLANCO ROAD, QUARRYVILLE, PA 17566

CR

WALL SECTIONS

PLOT SCALE:
1/2" = 1'-0"

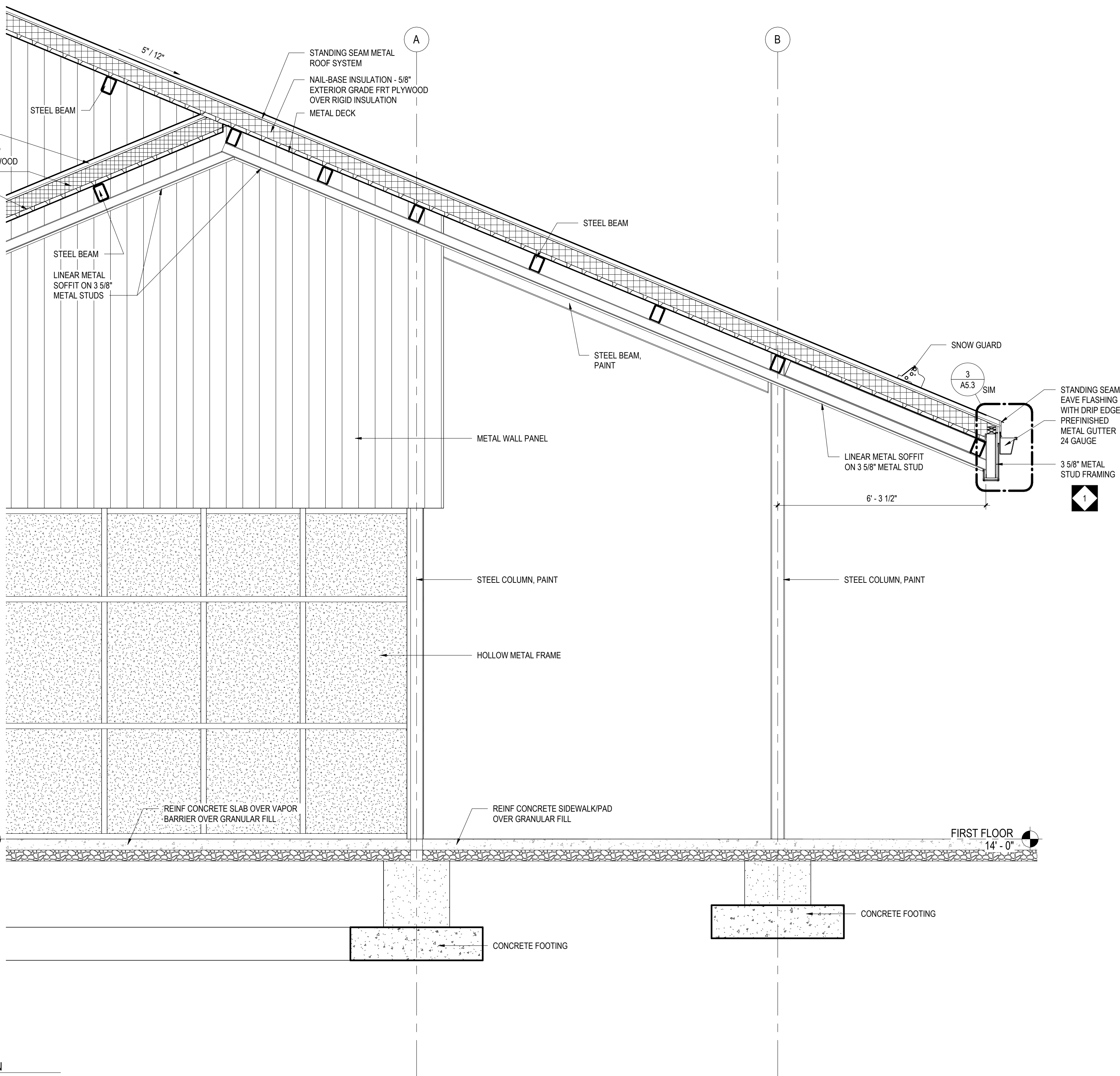
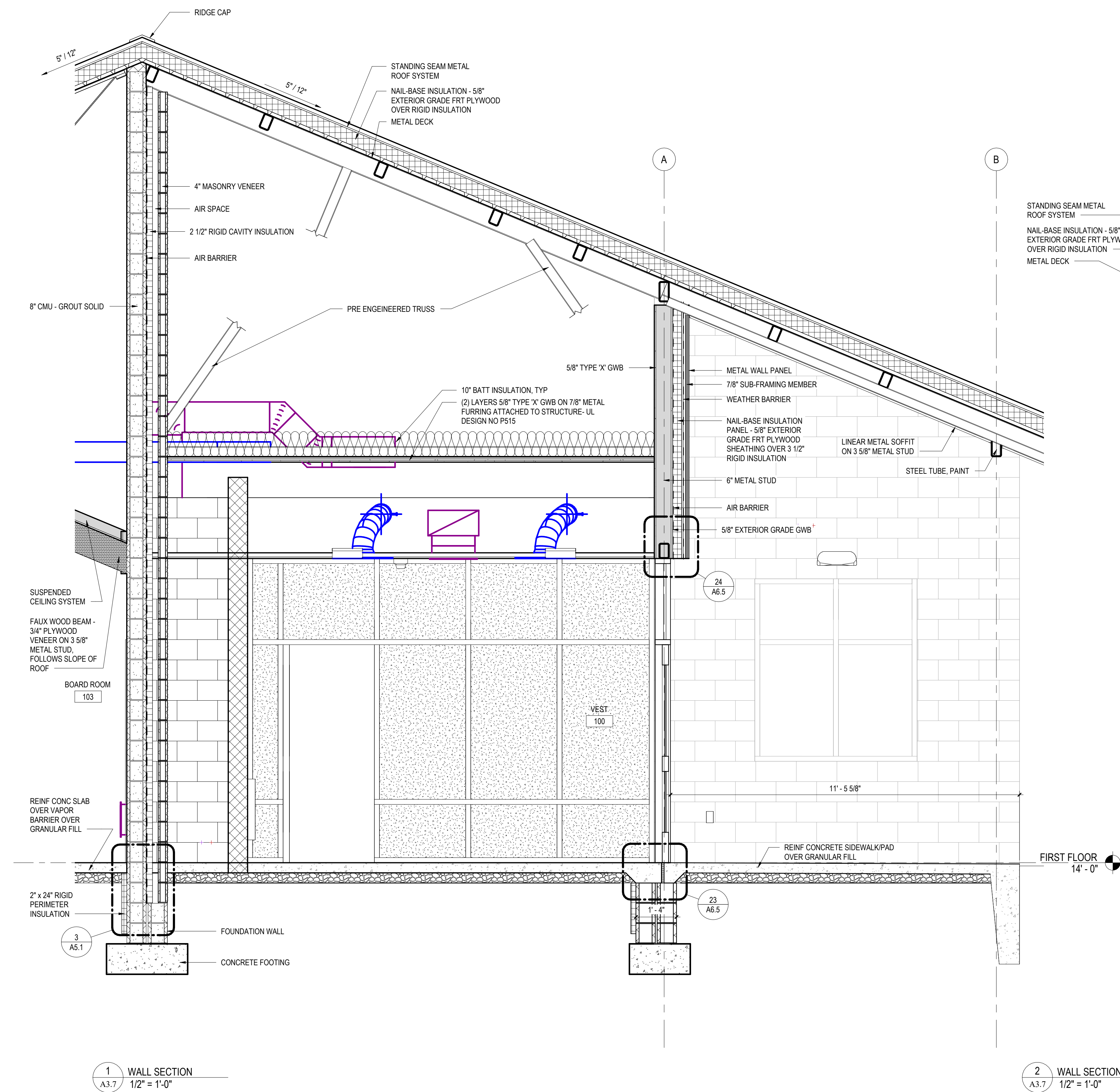
FILENAME:

DATE:
JULY 8, 2026

PROJECT

3706

A3.6



CONFORMED SET

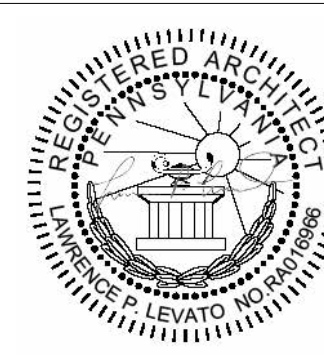
ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES HEREBY DISCLAIM ALL LIABILITY AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION. © CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

REVISIONS

NO.	DATE	NAME	DESCRIPTION OF CHANGES
1	7/23/2026		ADDENDUM #1

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS
TOWSON, MARYLAND
CHARLOTTEVILLE, VIRGINIA
WHITE SULPHUR SPRINGS, WEST VIRGINIA
401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272
www.cra-architects.com

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
585 SOLANCO ROAD, QUARRYVILLE, PA 17566

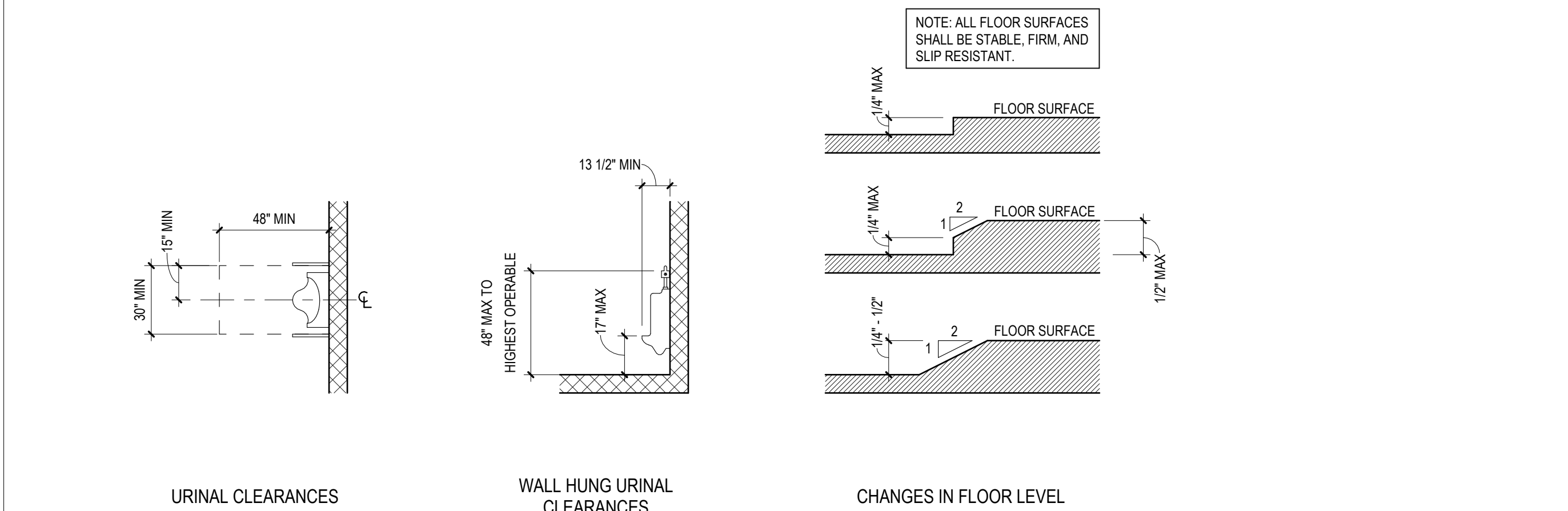
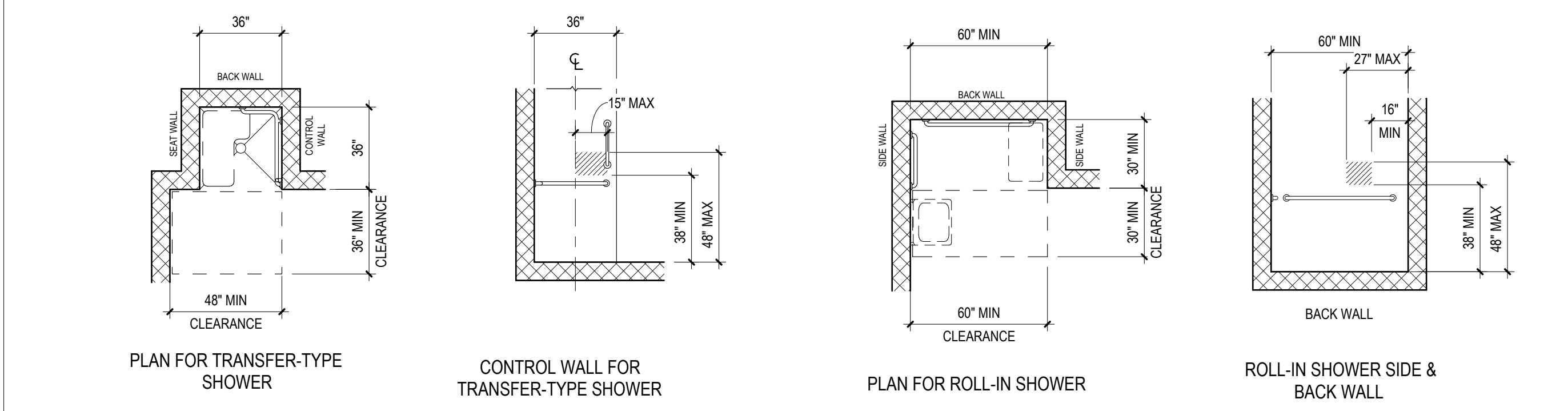
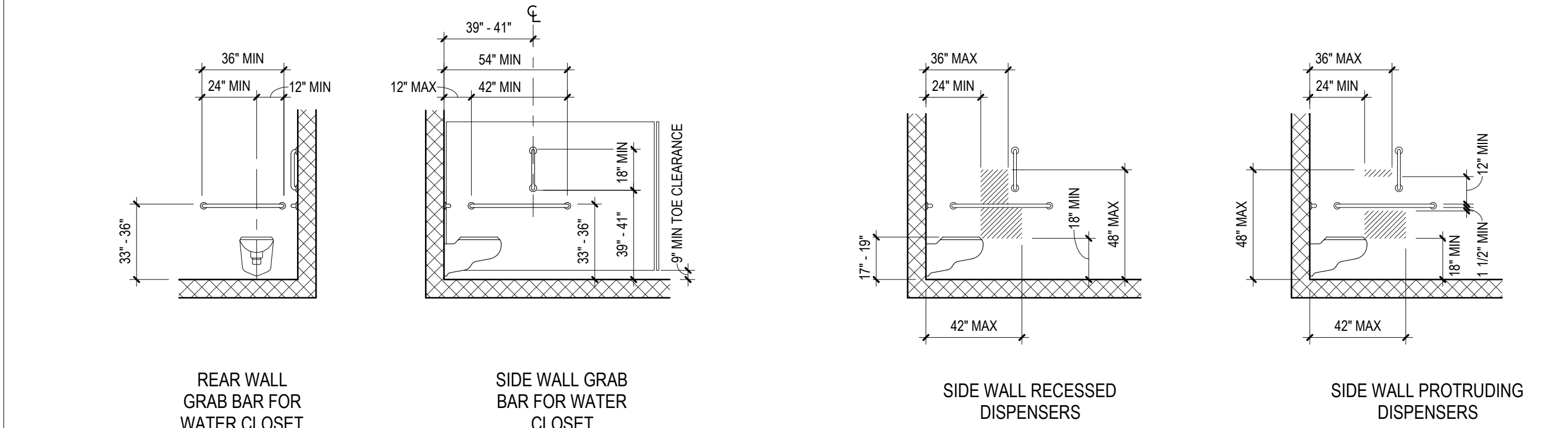
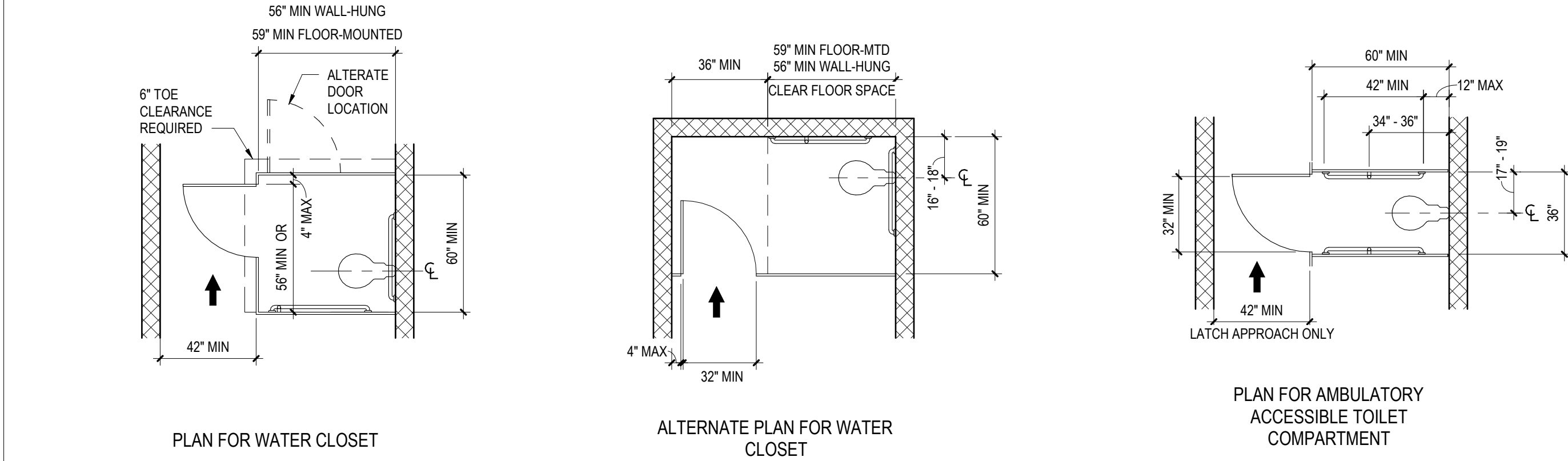
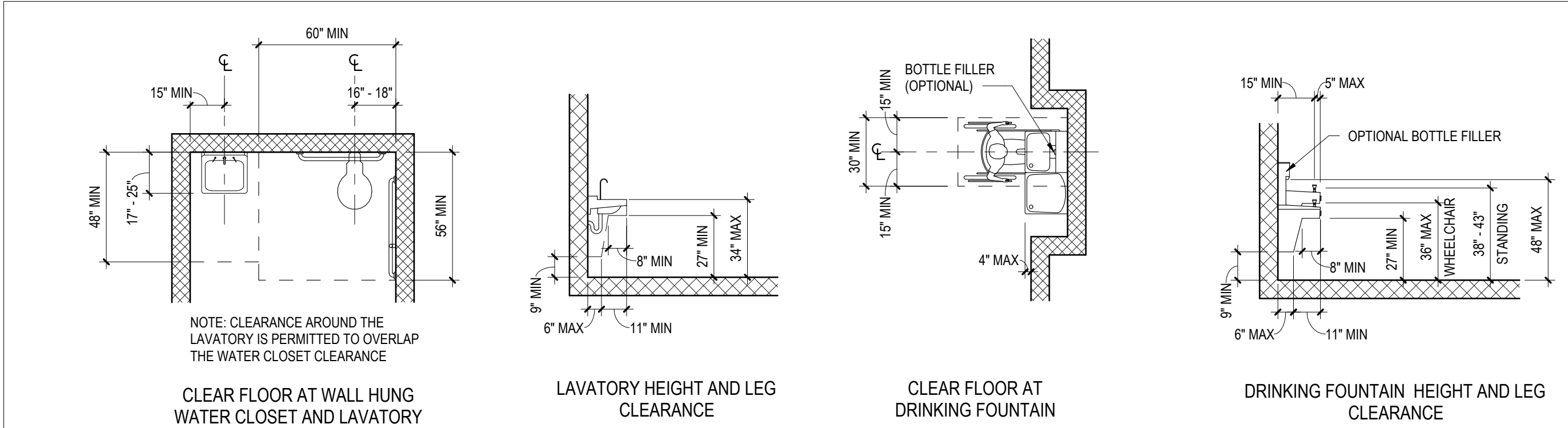


WALL SECTIONS

PLOT SCALE:
1/2" = 1'-0"
FILENAME:
DATE:
JULY 8, 2026

PROJECT
3706

A3.7

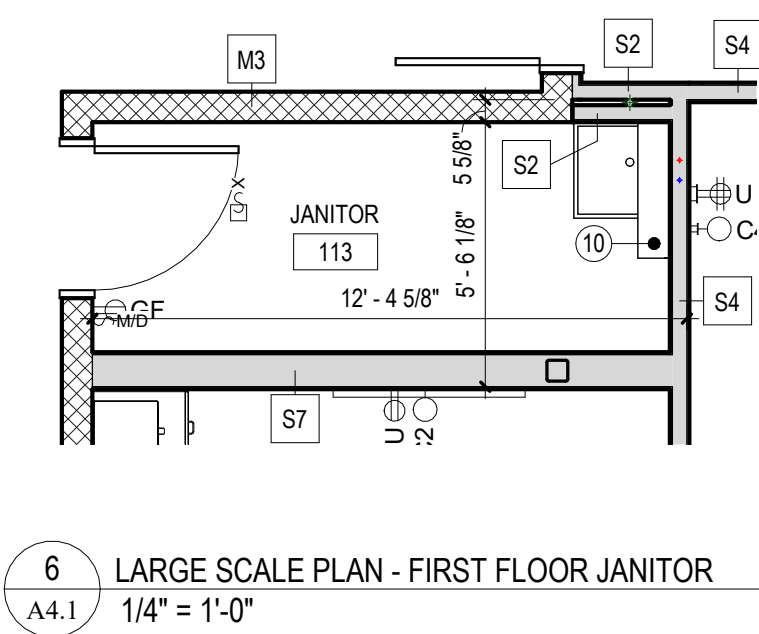
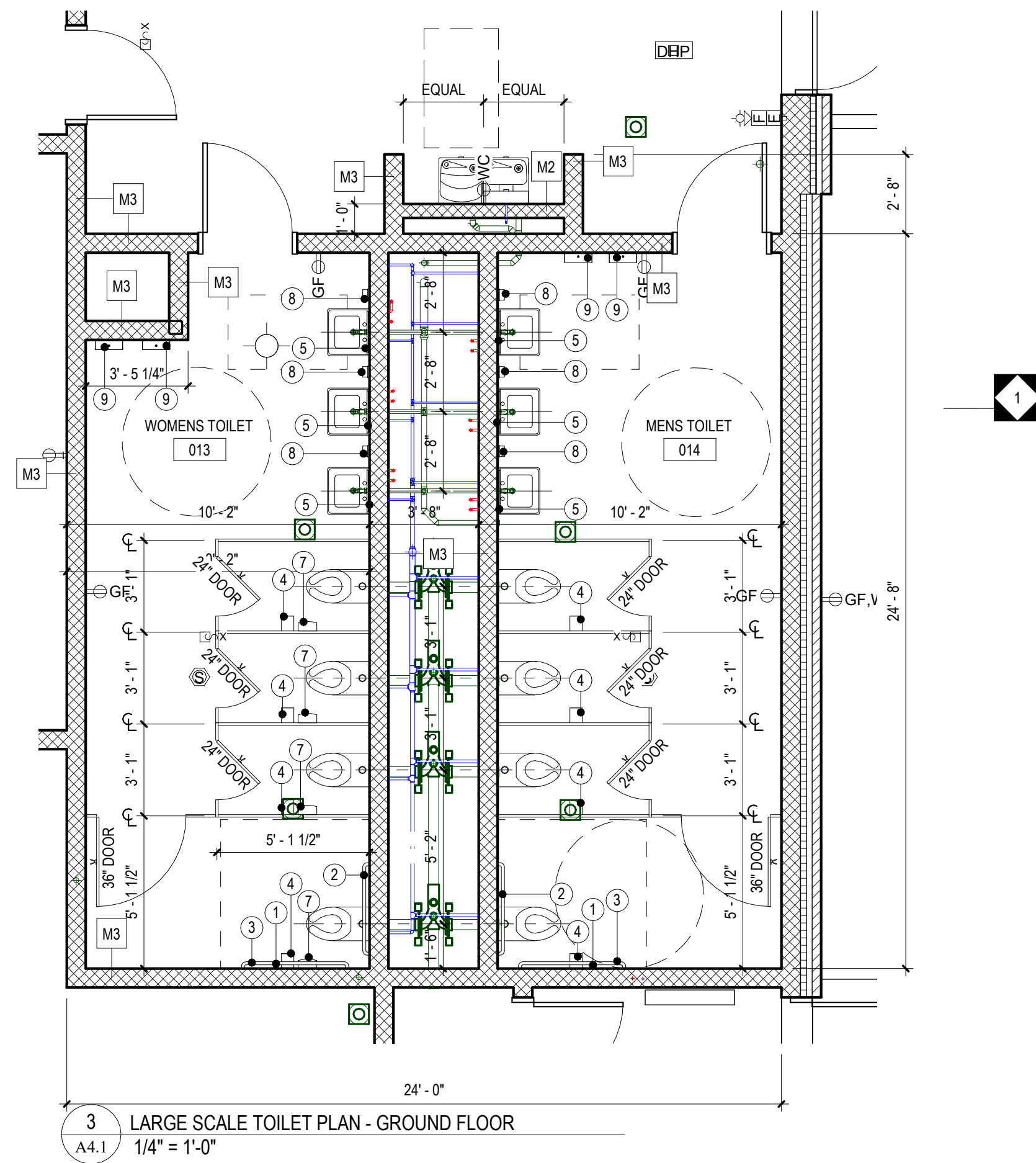
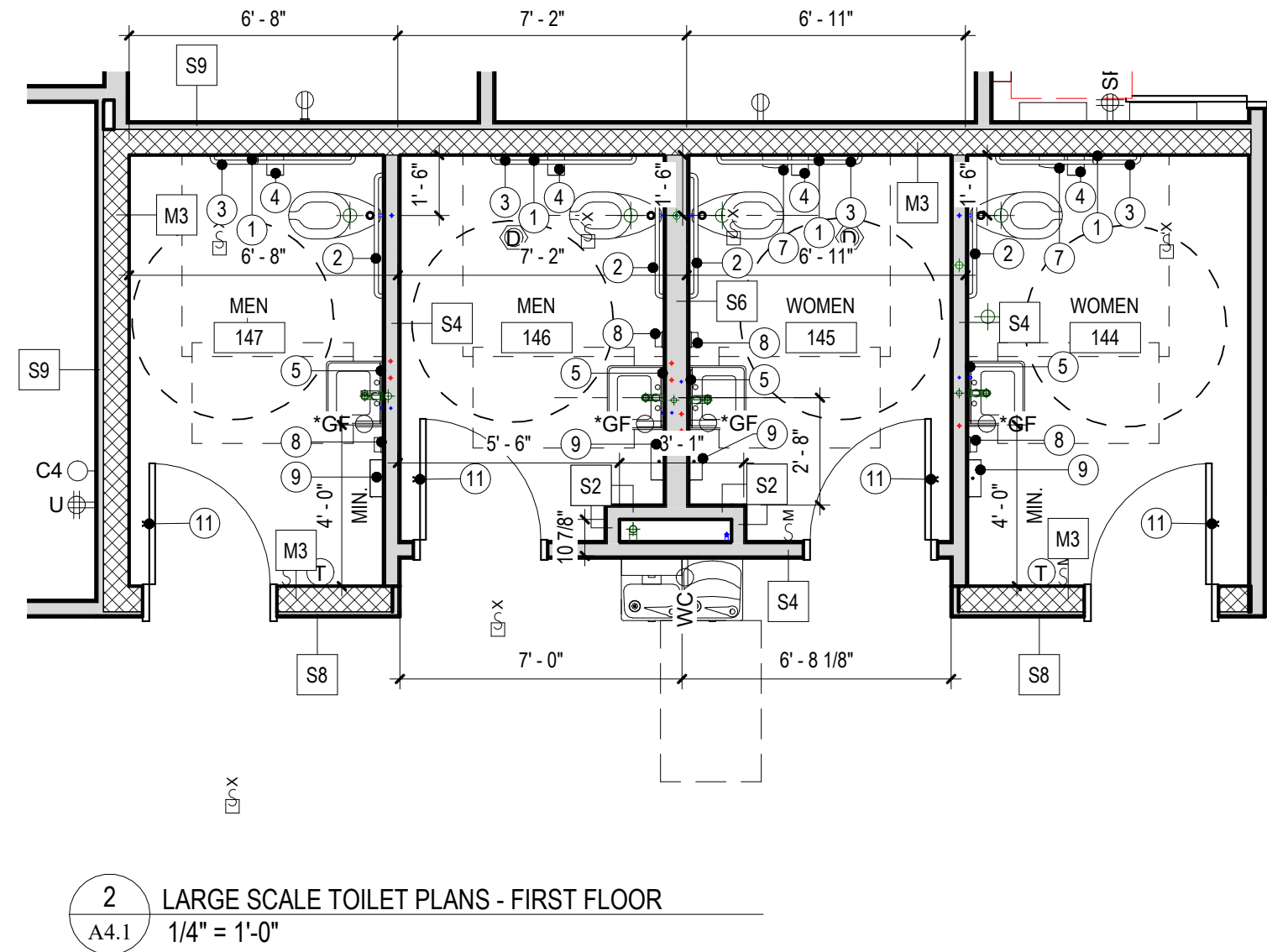
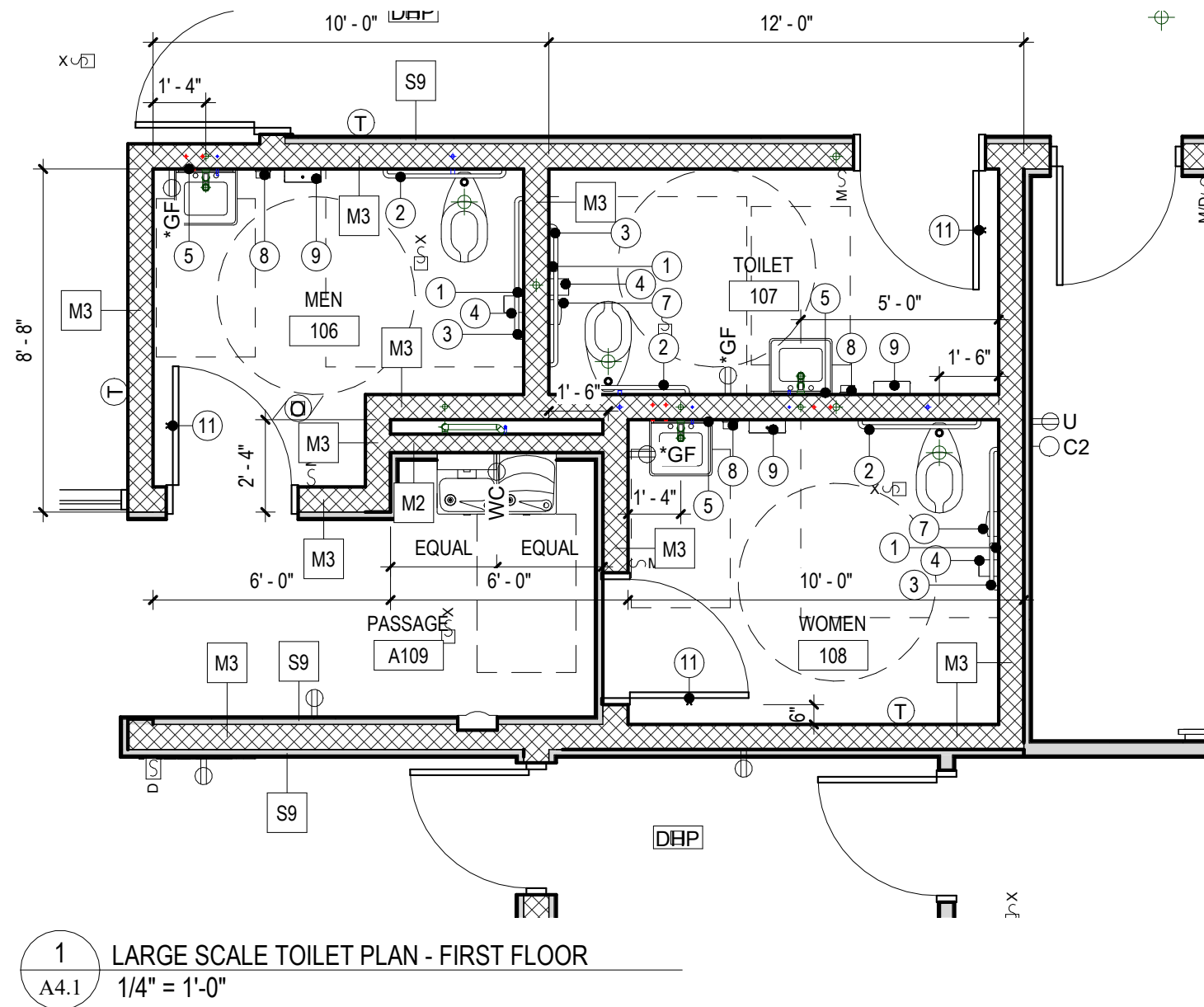


ACCESSIBILITY STANDARDS

NOT TO SCALE

GENERAL NOTES:

1. ACCESSIBLE FIXTURES ARE INDICATED WITH THE REQUIRED CLEAR FLOOR SPACE CLEARANCES FOR ALL ACCESSIBLE ROUTES & MANEUVERING CLEARANCES.
2. PLUMBING FIXTURE ROUGH-IN DIMENSIONS & TOILET PARTITION LAYOUT DIMENSIONS ARE FROM THE WALL FINISH MATERIAL.
3. PROVIDE WOOD BLOCKING IN STUD WALLS FOR ALL TOILET ACCESSORIES.
4. TOILET PARTITION DIMENSIONS ARE TO THE PANEL CENTERLINE UNLESS NOTED OTHERWISE. MINIMUM CLEAR DIMENSIONS MUST BE PROVIDED WHERE NOTED.
5. COORDINATE ALL WALL FINISHES WITH THE ROOM FINISH SCHEDULE.
6. CONTRACTOR TO CONFIRM WITH THE OWNERS REPRESENTATIVE THE LOCATION OF ALL SURFACE-MOUNTED TOILET ROOM ACCESSORIES PRIOR TO INSTALLATION.
7. URINAL PARTITIONS SHALL BEGIN AT A HEIGHT NO MORE THAN 12" FROM AND EXTEND NOT LESS THAN 60" ABOVE THE FINISHED FLOOR SURFACE. URINAL PARTITIONS SHALL EXTEND FROM THE WALL SURFACE AT EACH SIDE OF THE URINAL A MINIMUM OF 18".
8. ACCESSIBLE LOCKERS ARE INDICATED AS . AT DOUBLE TIER LOCKERS, ONLY THE BOTTOM TIER IS REQUIRED TO BE ACCESSIBLE. FOR FOUR TIER LOCKERS, ONLY THE BOTTOM TWO TIERS ARE REQUIRED TO BE ACCESSIBLE.



TOILET ACCESSORY SCHEDULE				
NO.	DESCRIPTION	MOUNTING	MANUFACTURER	MODEL
1	18" GRAB BAR (VERTICAL)	39" MIN - 41" MAX AFF TO BOTTOM OF GRAB BAR	BOBRICK	B-5806 x 18
2	36" GRAB BAR (HORIZONTAL)	33" MIN - 36" MAX AFF TO TOP OF GRIPPING SURFACE	BOBRICK	B-5806 x 36
3	42" GRAB BAR (HORIZONTAL)	33" MIN - 36" MAX AFF TO TOP OF GRIPPING SURFACE	BOBRICK	B-5806 x 42
4	SURFACE MOUNTED MULTI-ROLL TOILET TISSUE DISPENSER	TISSUE ACCESS @ 19" MIN AFF	BOBRICK	B-4288
5	MIRROR 18" x 30" w/ SS FRAME	40" AFF TO BOTTOM EDGE OF REFLECTING SURFACE	BOBRICK	B-165 (1830)
6	TOILET PARTITION w/ COAT HOOK & BUMPER	AS SPECIFIED	AS SPECIFIED	-
7	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL	15" MIN AFF	BOBRICK	B-270
8	SURFACE MOUNTED SOAP DISPENSER	PUSH BUTTON @ 44" MAX AFF	BOBRICK	B-2111
9	SURFACE MOUNTED PAPER TOWEL DISPENSER	48" MAX TO OUTLET OF DISPENSER	BOBRICK	B-2860
10	UTILITY SHELF W/ MOP & BROOM HOLDER & RAG HOOKS	72" AFF TO TOP SHELF	BOBRICK	B-239 x 34
11	SURFACE MOUNTED SS COAT HOOK	48" AFF TO TOP	BOBRICK	B-6627
12	ADA ACCESSIBLE BENCH (20"D x 42"W)	17 3/4" AFF TO TOP OF BENCH	AS SPECIFIED	

CONFORMED SET

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES IS NOT BE RESPONSIBLE FOR THE REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL LINE WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES. VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION. © CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

REVISIONS

NO.	DATE	NAME	DESCRIPTION OF CHANGES
1	7/23/2026		ADDENDUM #1

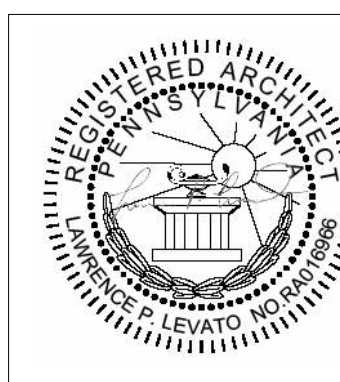
CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS
TOWSON, MARYLAND
CHARLOTTEVILLE, VIRGINIA
WHITE SULPHUR SPRINGS, WEST VIRGINIA
401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272

www.cra-architects.com

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
585 SOLANCO ROAD, QUARRYVILLE, PA 17566

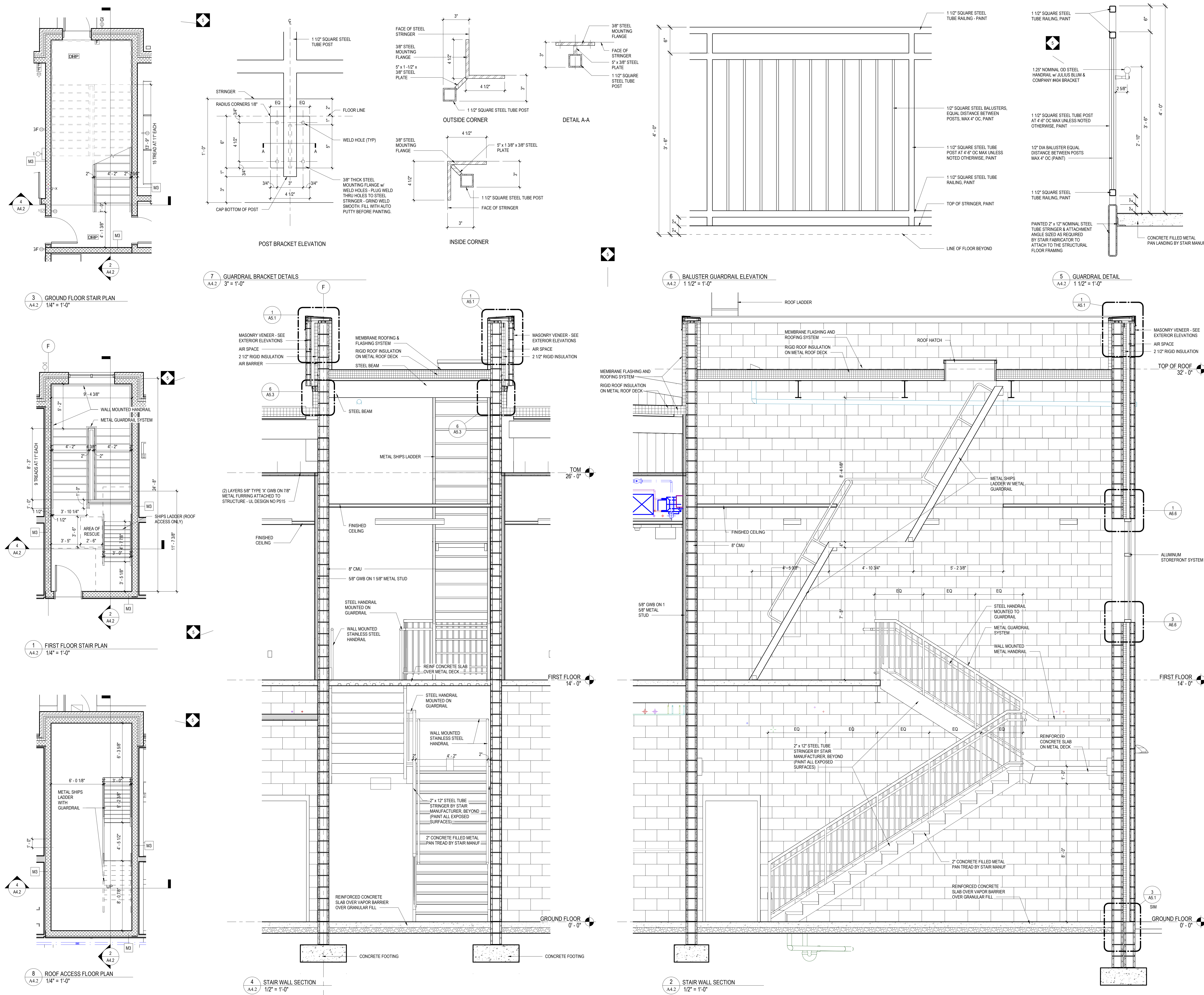


LARGE SCALE TOILET PLANS
PLOT SCALE:
1/4" = 1'-0"
FILENAME:
DATE:
JULY 8, 2026



PROJECT
3706

A4.1



CONFORMED SET

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES RE TANK ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL LINE WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION. © CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

REVISIONS		
NO	DATE	DESCRIPTION OF CHANGES
5	8/12/2026	ADDENDUM #5

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS
401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272

TOWSON, MARYLAND
CHARLOTTEVILLE, VIRGINIA
WHITE SULPHUR SPRINGS, WEST VIRGINIA

**NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT**
585 SOLANCO ROAD, QUARRYVILLE, PA 17566

CR

LARGE SCALE STAIR PLAN,
SECTIONS & DETAILS

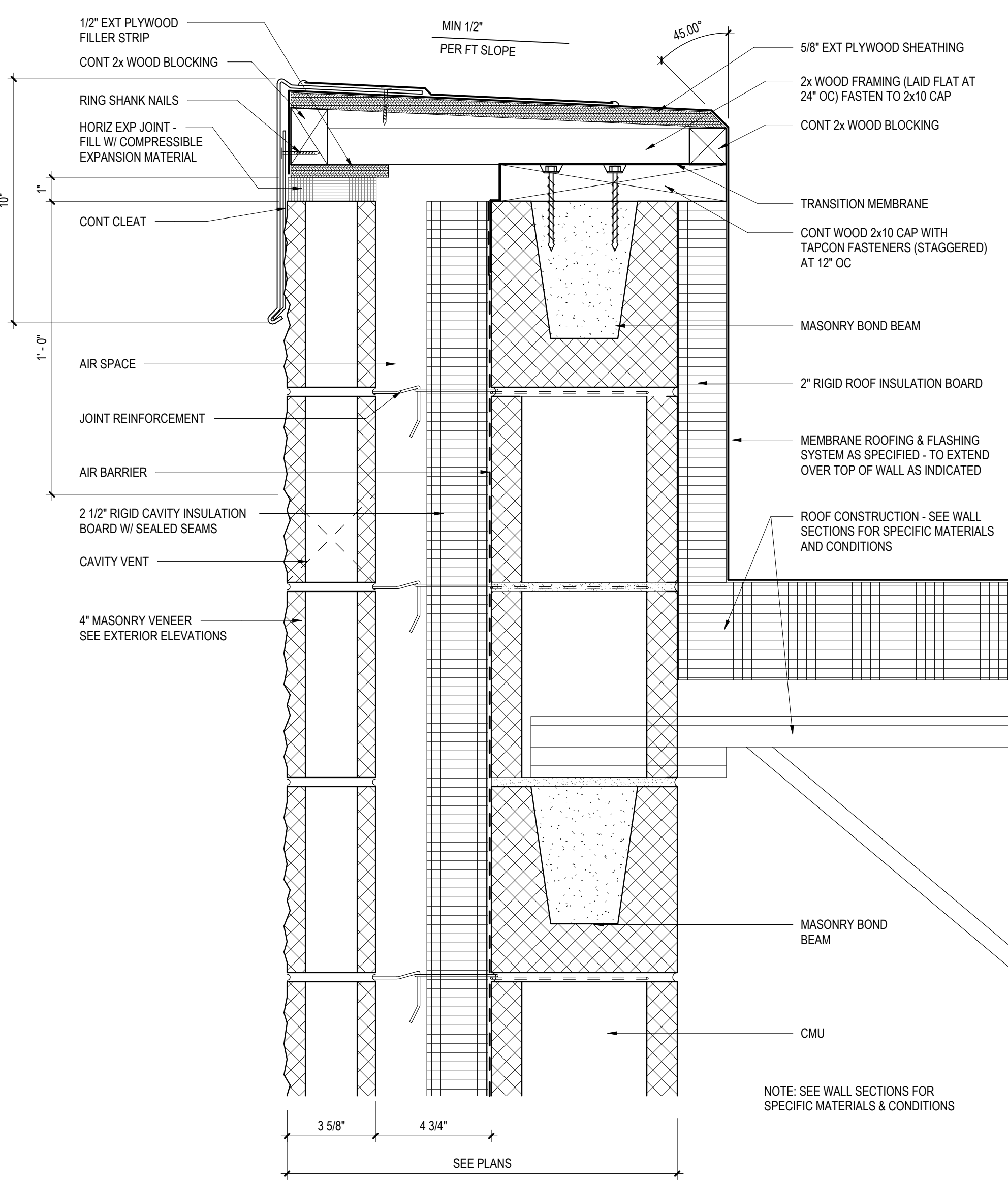
PLOT SCALE:
As indicated

FILENAME:

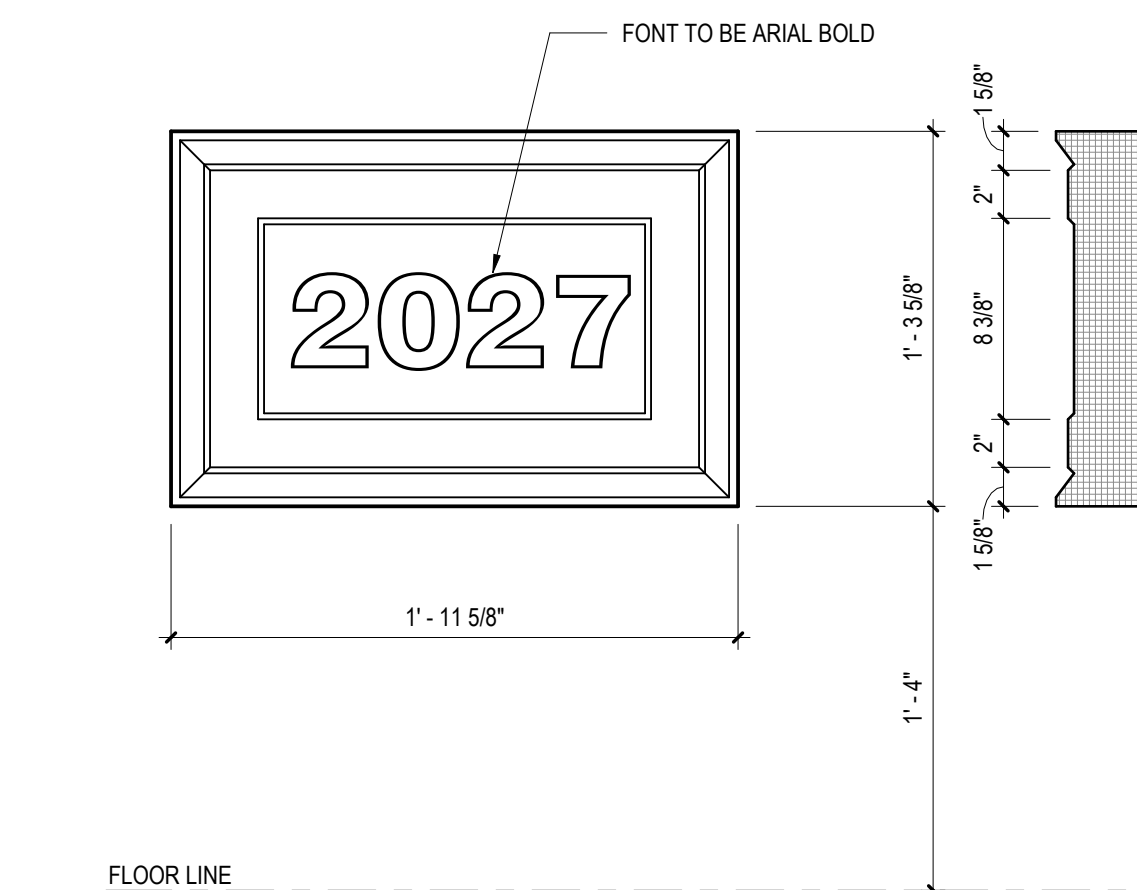
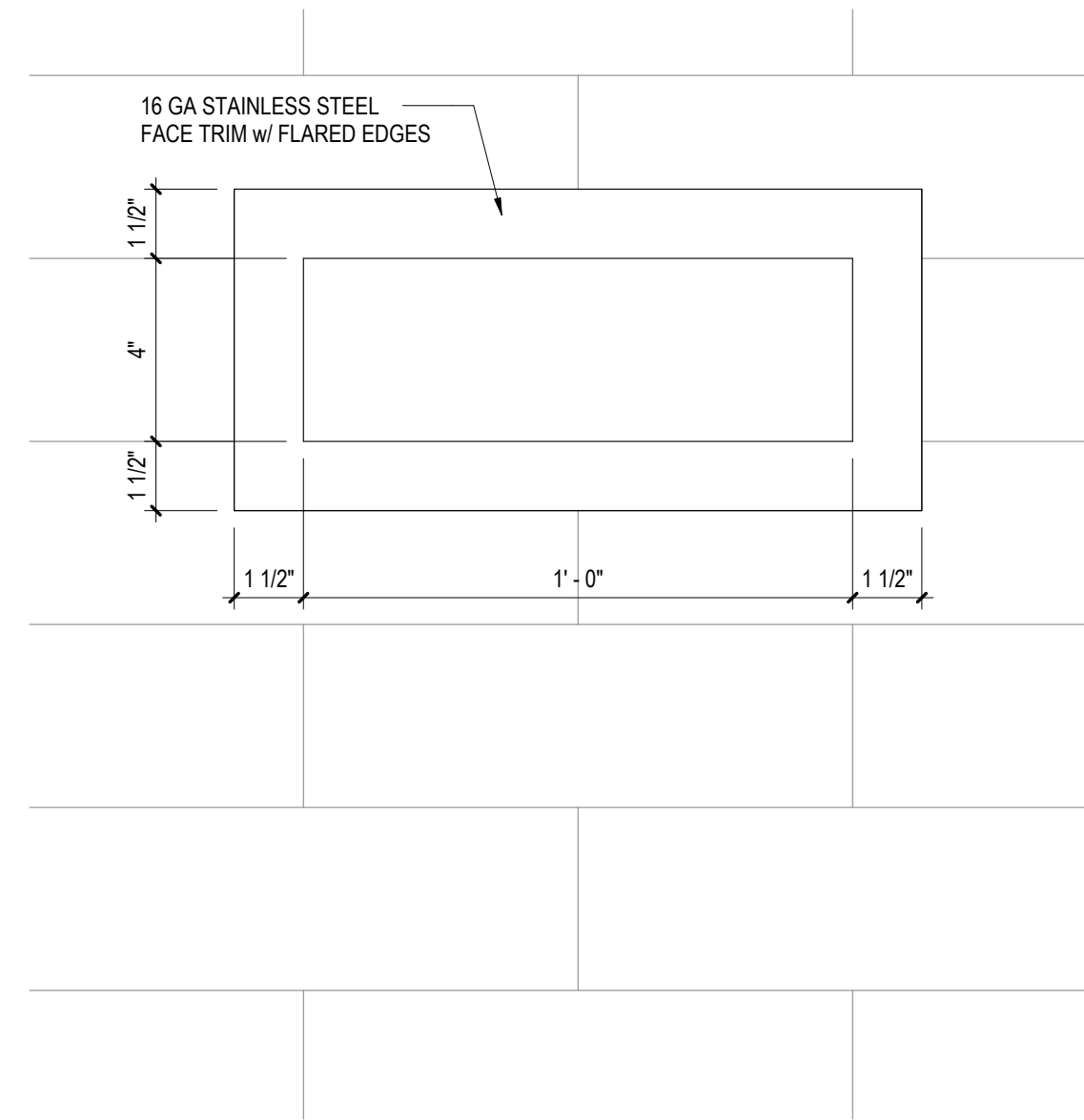
DATE:
JULY 8, 2026

PROJECT
3706

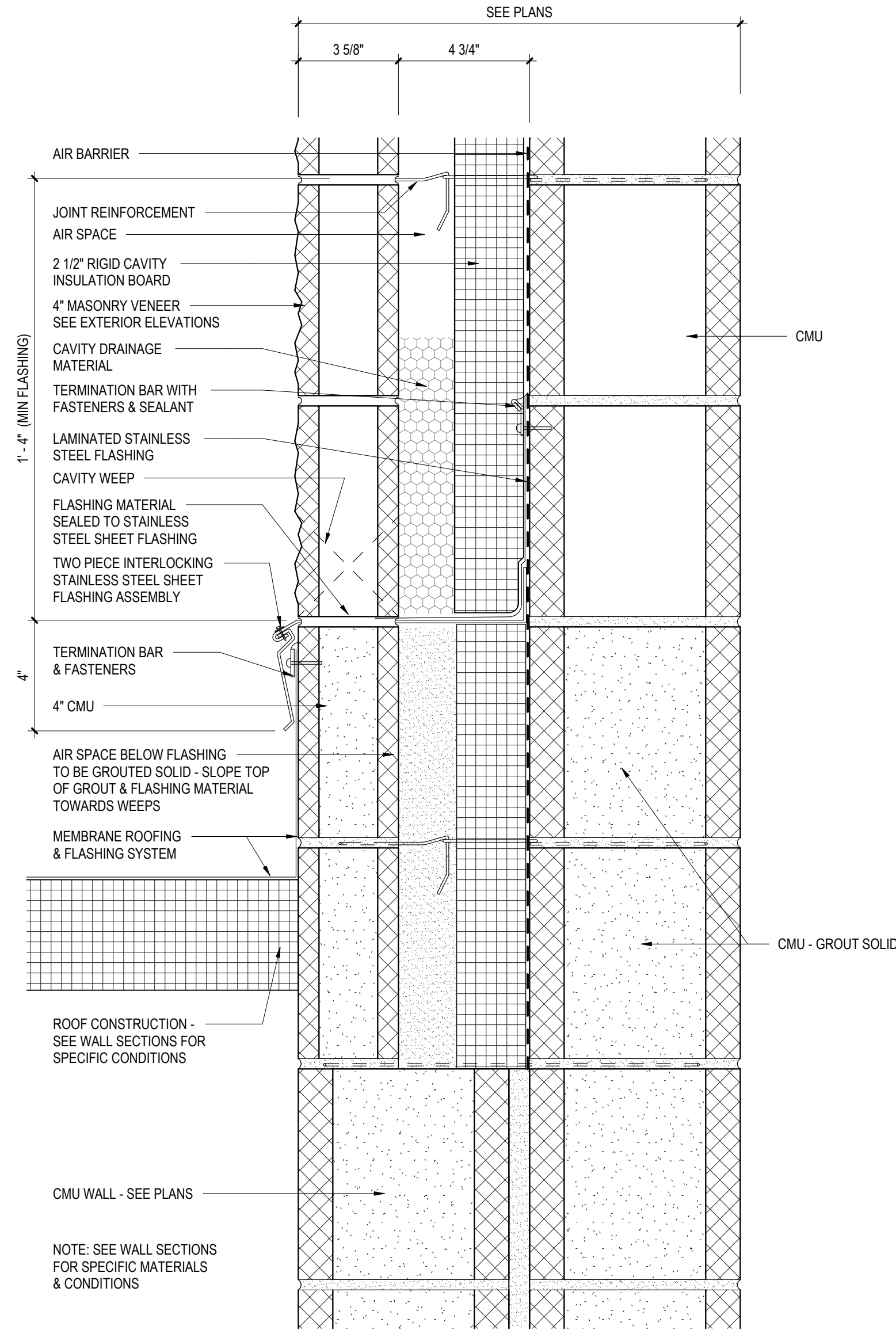
A4.2



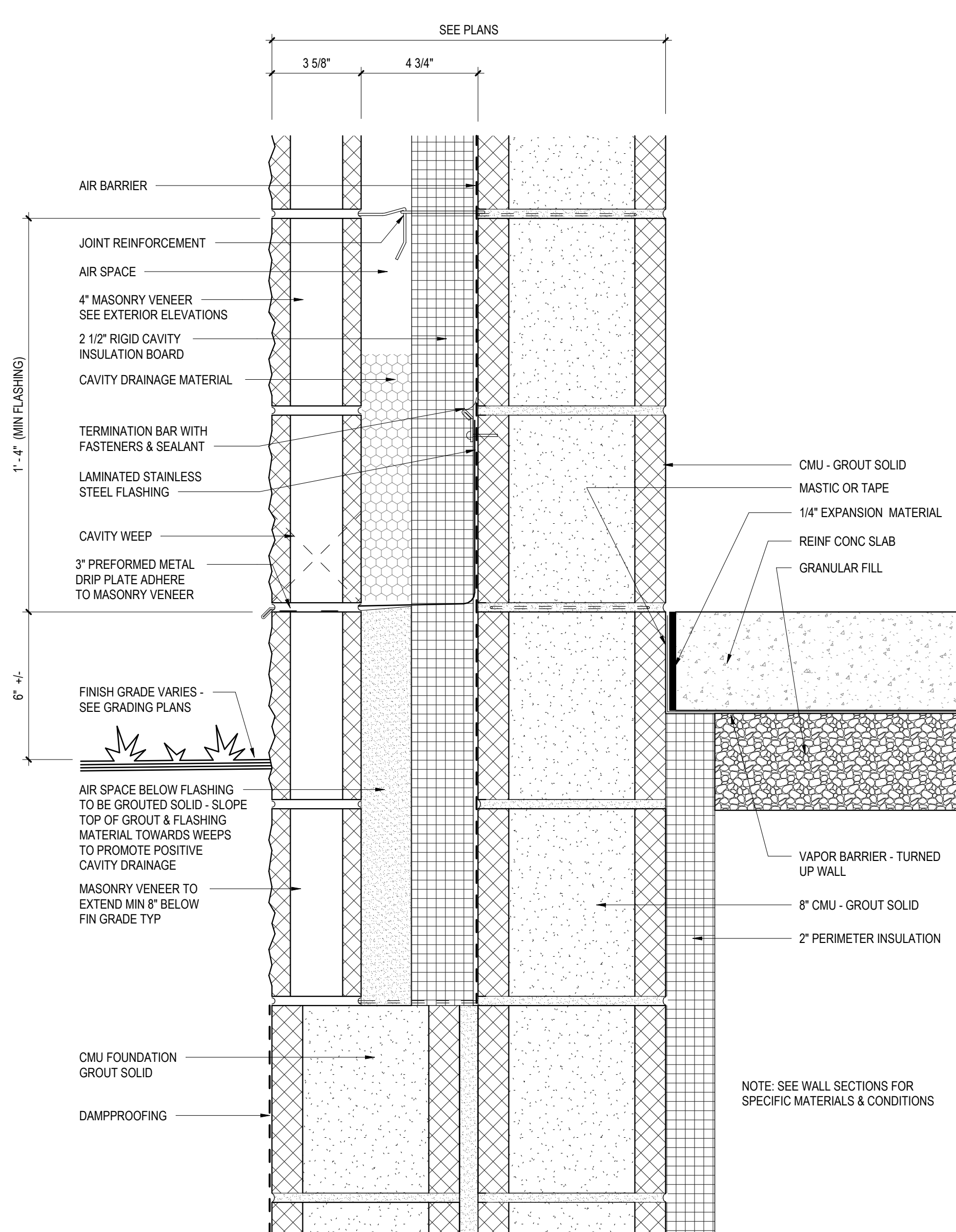
1 TYPICAL ROOF PARAPET FASCIA DETAIL
3" = 1'-0"



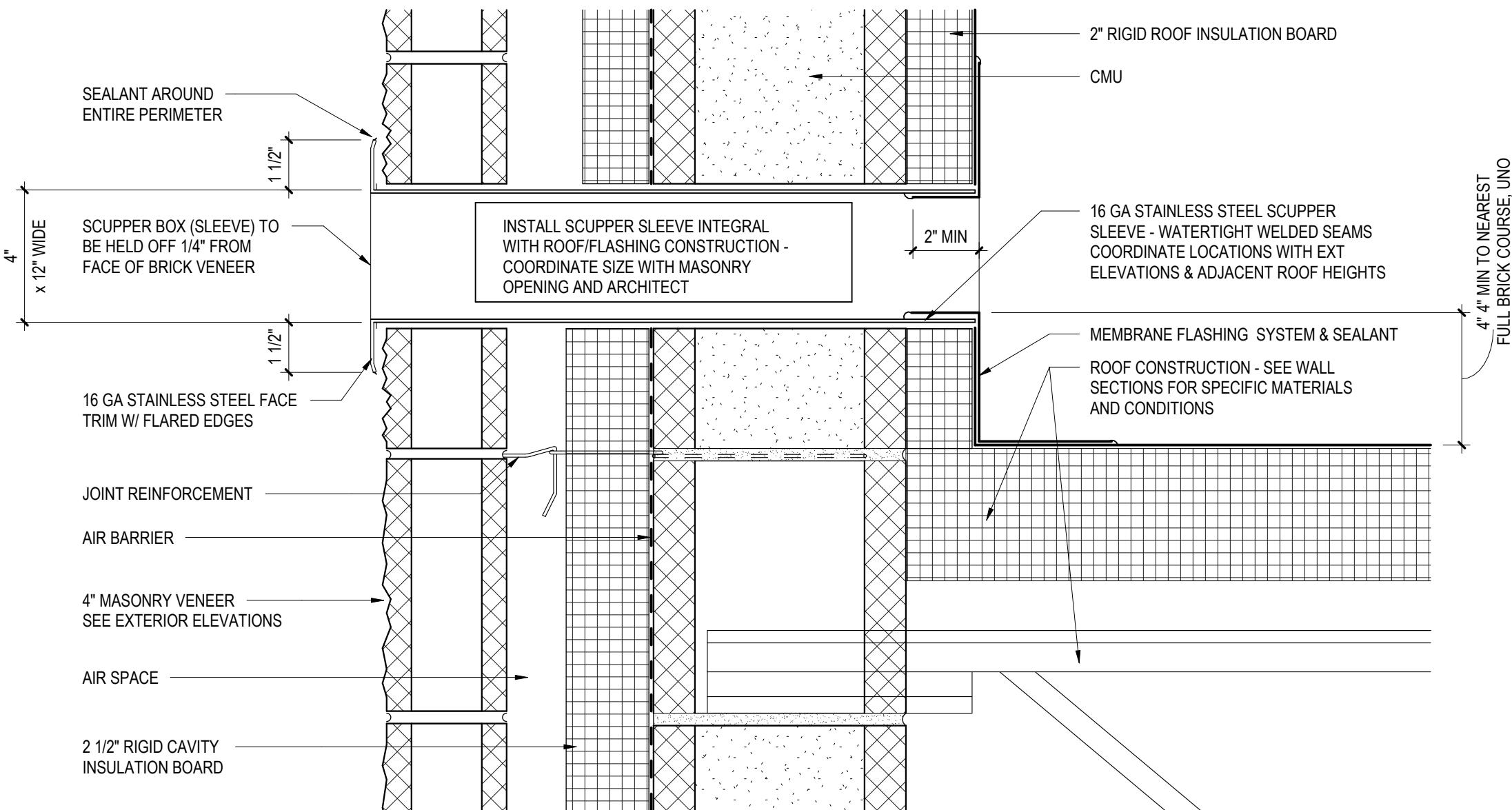
4 DATE STONE
1 1/2" = 1'-0"



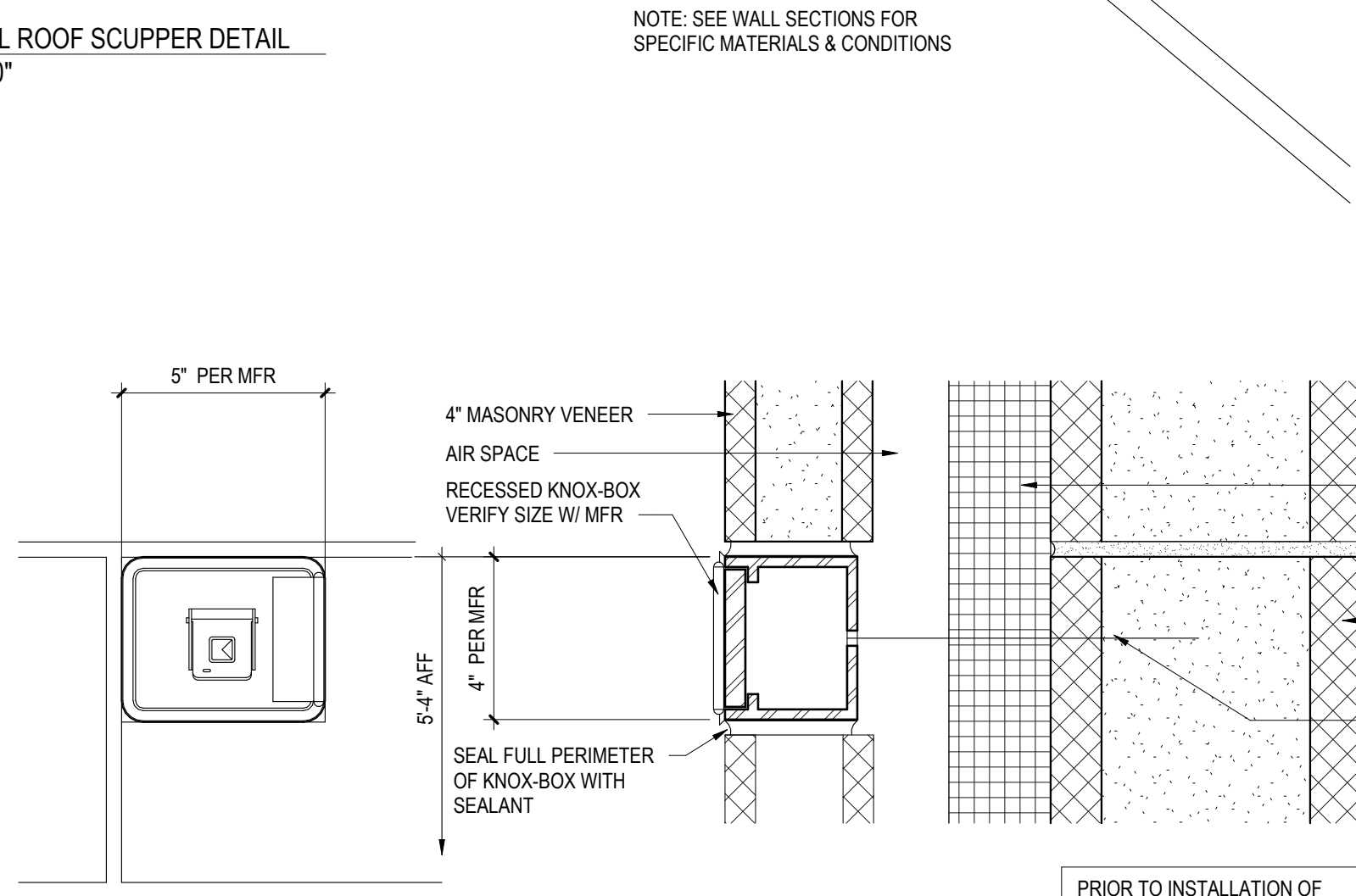
2 TYPICAL ROOF TO WALL FLASHING DETAIL
3" = 1'-0"



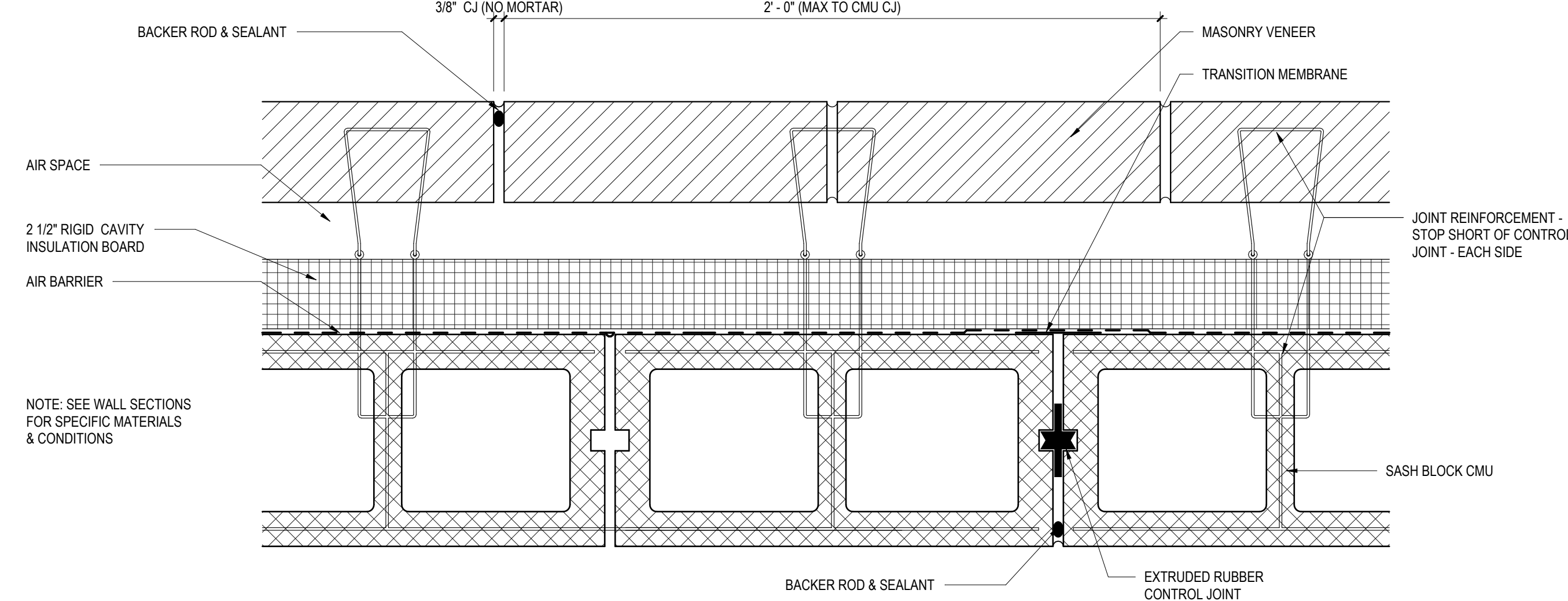
3 TYPICAL BASE FLASHING DETAIL
3" = 1'-0"



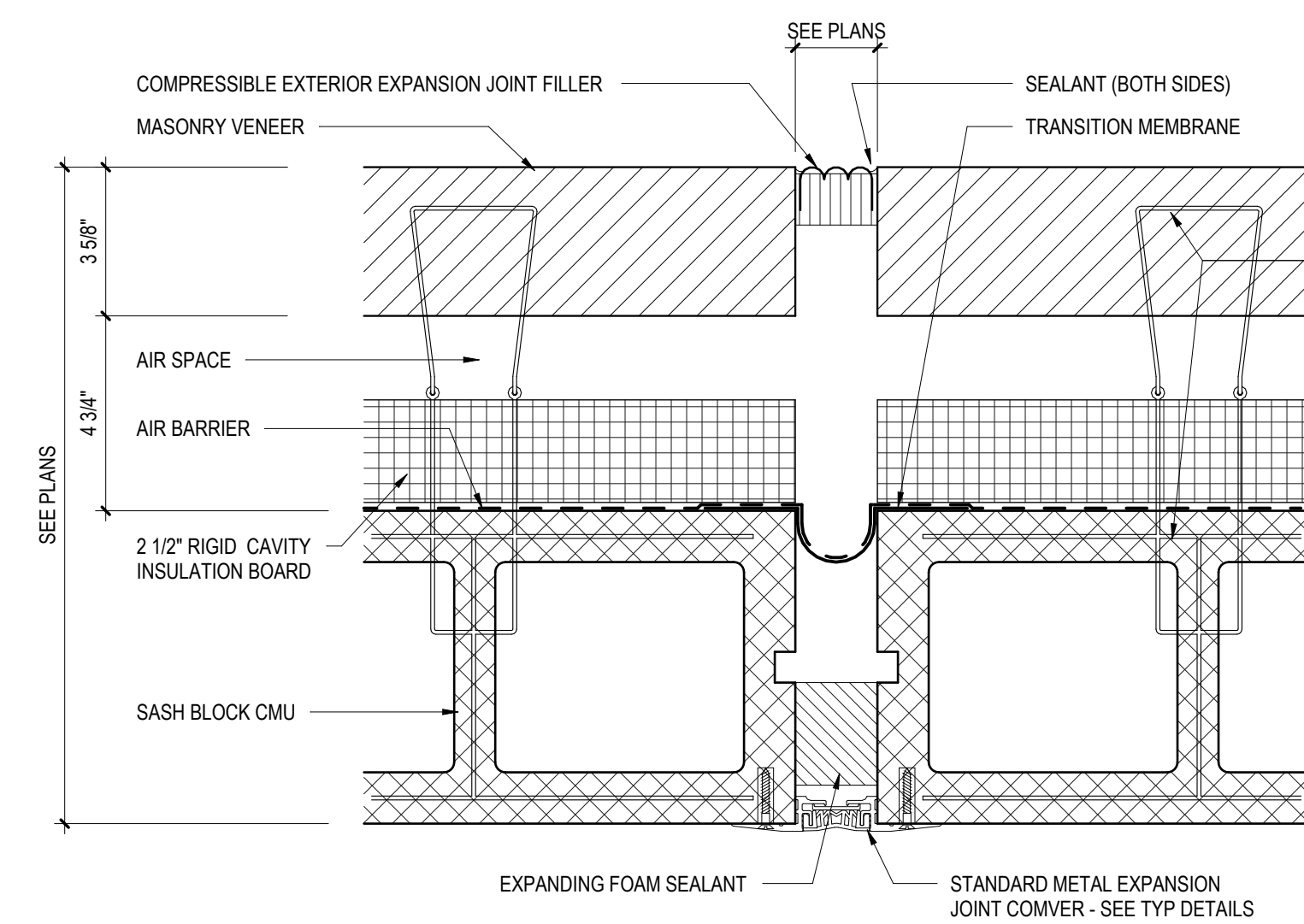
5 TYPICAL ROOF SCUPPER DETAIL
3" = 1'-0"



8 TYPICAL KNOX BOX DETAIL
3" = 1'-0"



6 TYPICAL EXTERIOR WALL CONTROL JOINT DETAIL
3" = 1'-0"



7 TYPICAL EXTERIOR WALL EXPANSION JOINT DETAIL
3" = 1'-0"

NOTE:
DETAILS WITHIN THIS DRAWING, TITLED AS
"TYPICAL," INDICATE COMMON NON-SPECIFIC
CONDITIONS OCCURRING THROUGHOUT
BUILDING. THE LARGE SCALE ALLOWS A MORE
COMPREHENSIVE LEVEL OF DETAIL TO BE
SHOWN. SPECIFIC CONSTRUCTION CONDITIONS
WILL VARY ACCORDING TO MATERIAL AND
DIMENSIONS. MORE ACCURATELY SHOWN AS
PART OF INDIVIDUAL SECTIONS AND DETAILS
THROUGHOUT THE CONSTRUCTION DOCUMENTS.

CONFORMED SET

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES RE-TAKES ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION.
© CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

REVISIONS

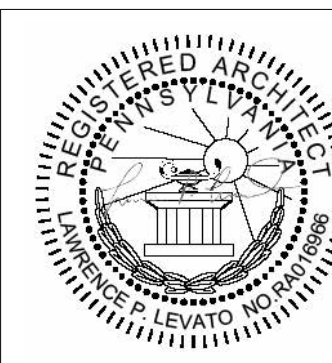
NO.	DATE	NAME	DESCRIPTION OF CHANGES

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS
TOWSON, MARYLAND
CHARLOTTEVILLE, VIRGINIA
WHITE SULPHUR SPRINGS, WEST VIRGINIA
401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272

www.cra-architects.com

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
585 SOLANCO ROAD, QUARRYVILLE, PA 17566

CR

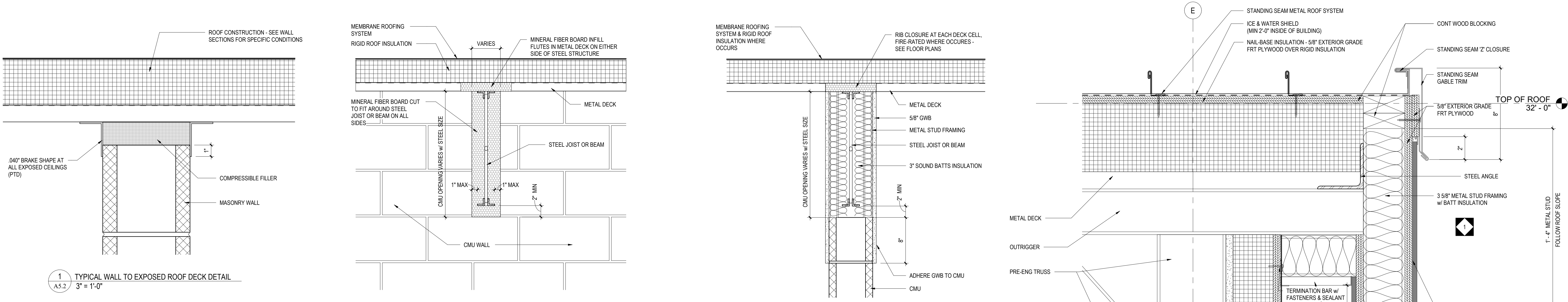


TYPICAL DETAILS

PLOT SCALE:
As indicated
FILENAME:
DATE:
JULY 8, 2026

PROJECT
3706

A5.1

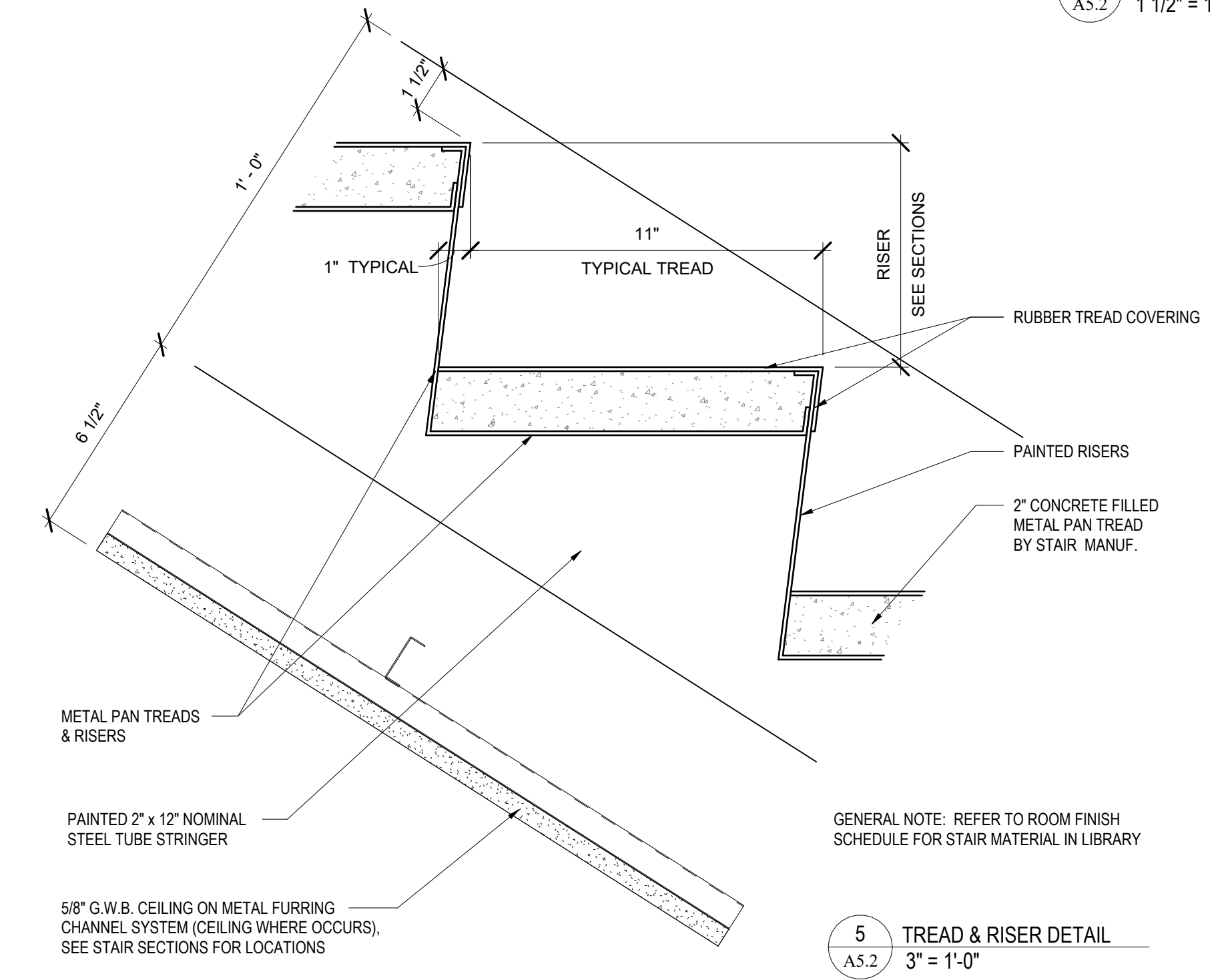


1 TYPICAL WALL TO EXPOSED ROOF DECK DETAIL
A5.2 3" = 1'-0"

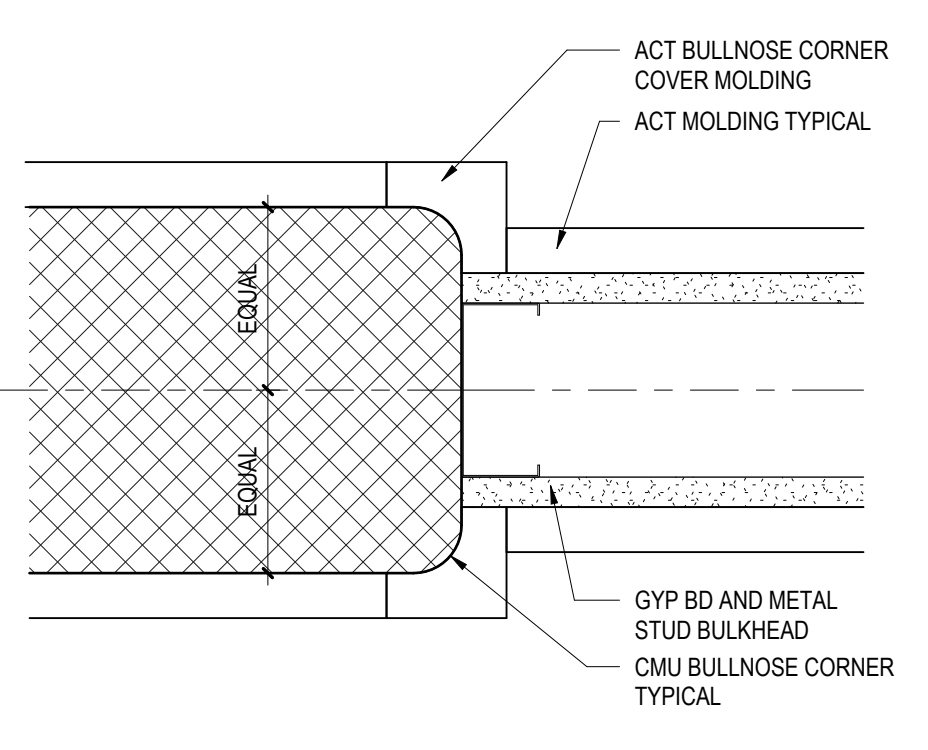
2 WALL CLOSURE DETAIL AT PERPENDICULAR JOIST
A5.2 1 1/2" = 1'-0"

3 WALL CLOSURE DETAIL AT PERPENDICULAR JOIST
A5.2 1 1/2" = 1'-0"

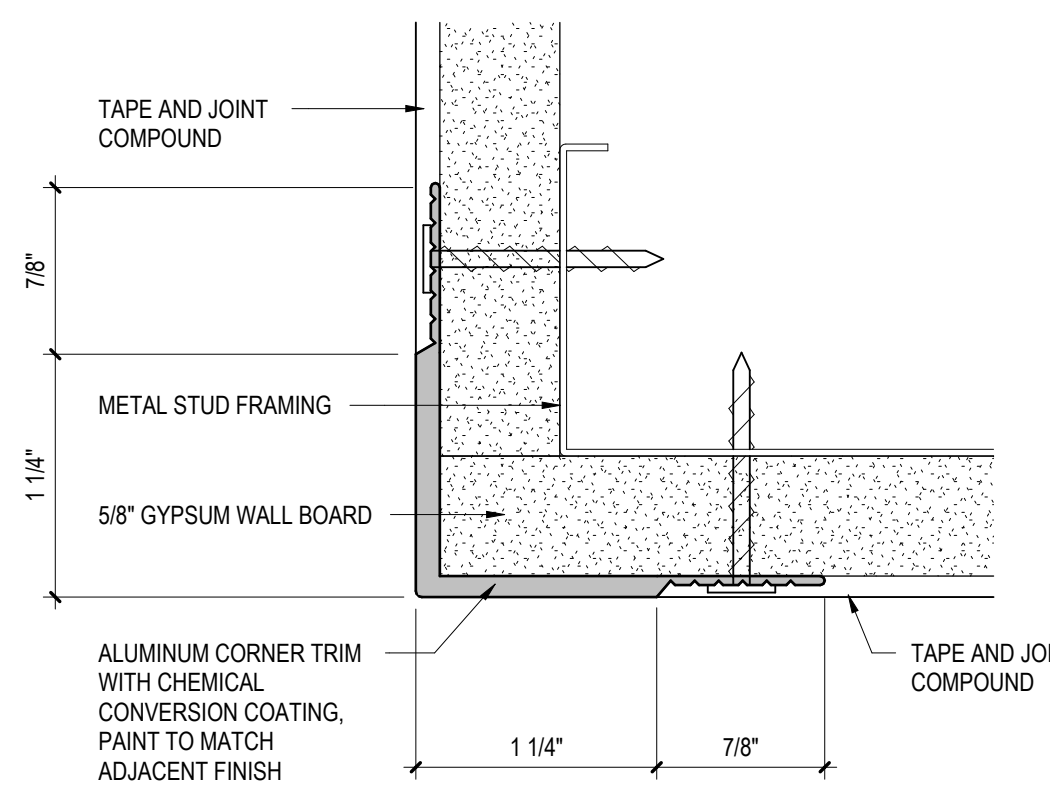
4 EDGE OF DECK - STANDING SEAM
A5.2 3" = 1'-0"



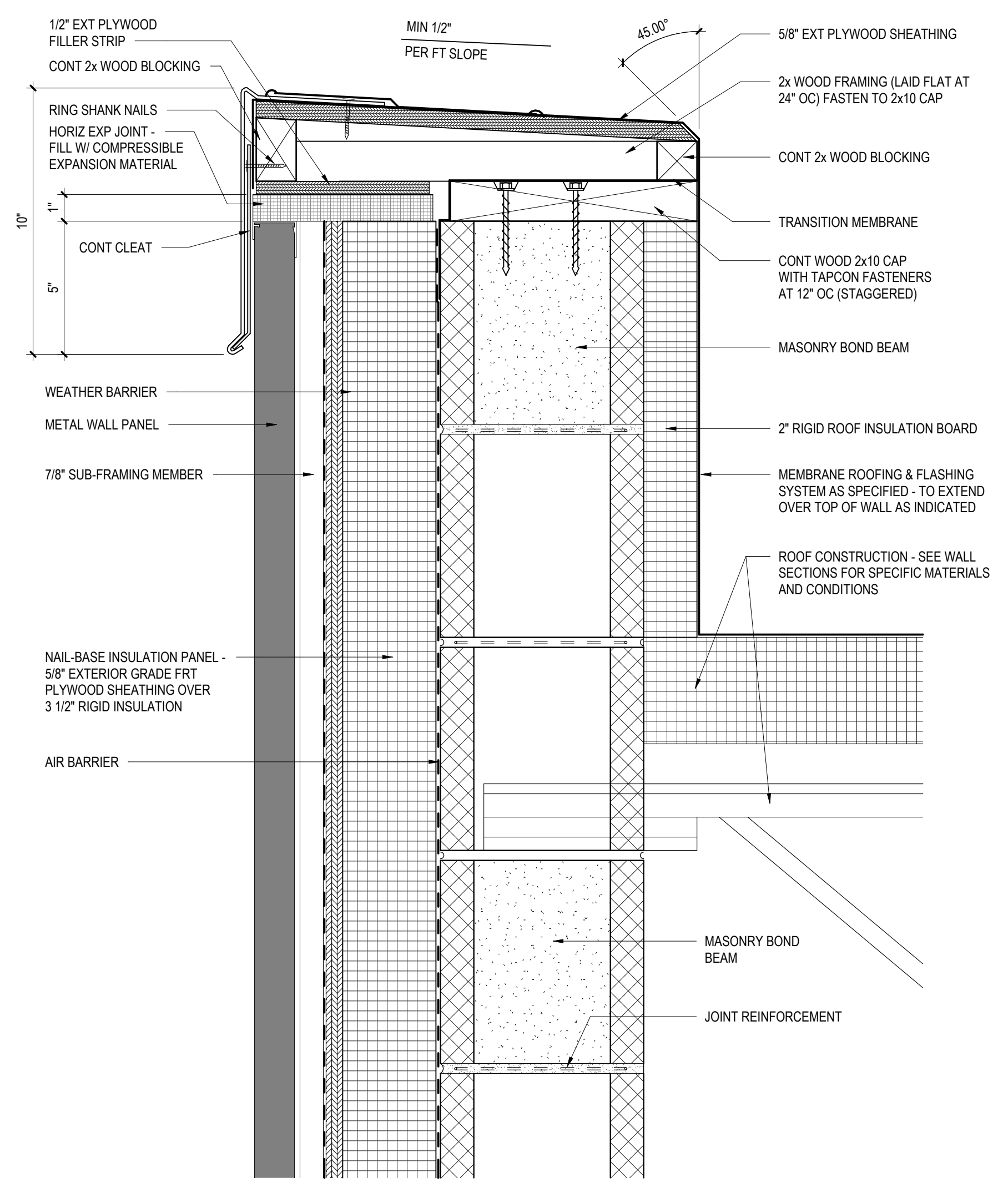
5 TREAD & RISER DETAIL
A5.2 3" = 1'-0"



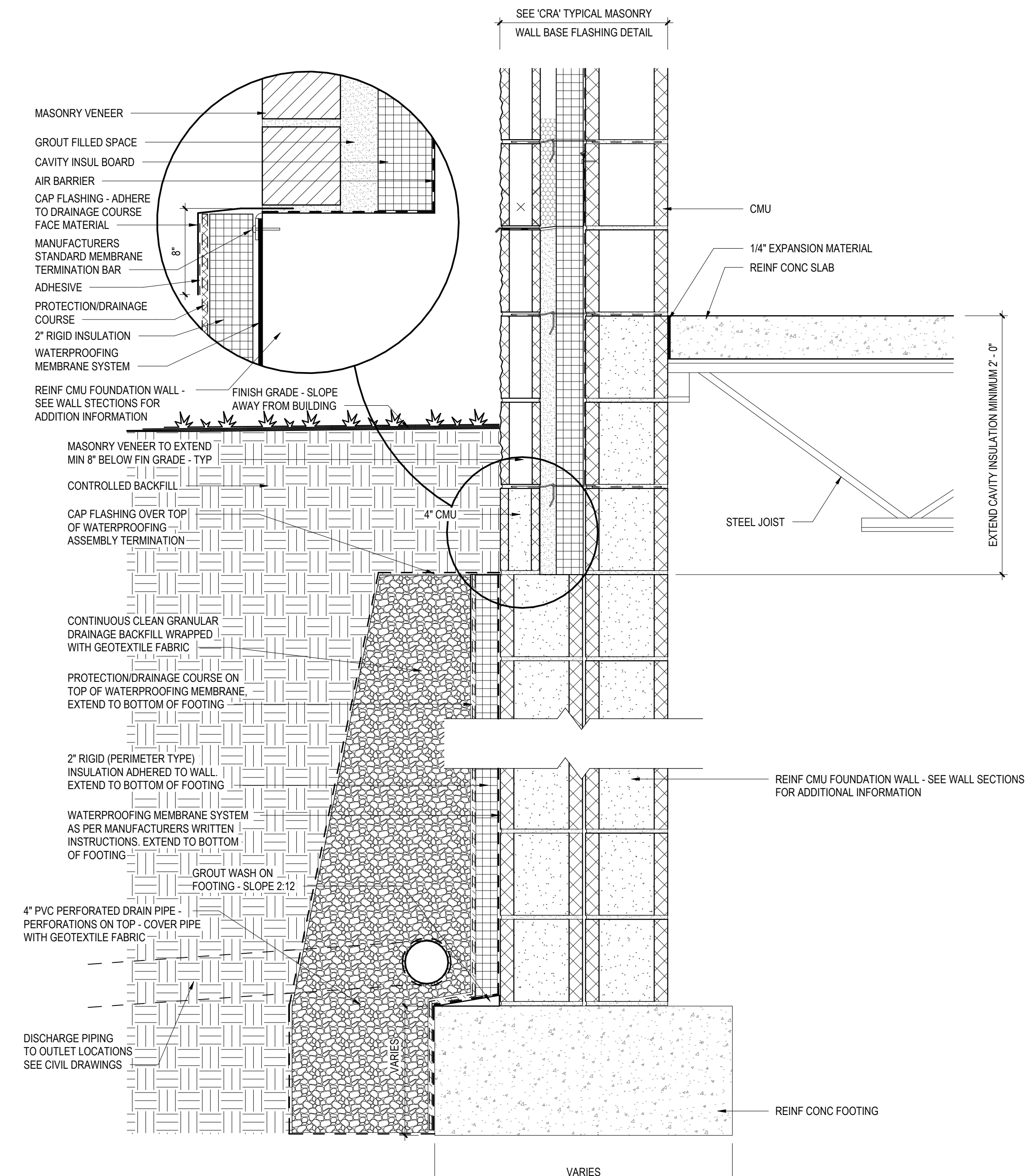
6 TYPICAL BULKHEAD DETAIL
A5.2 3" = 1'-0"



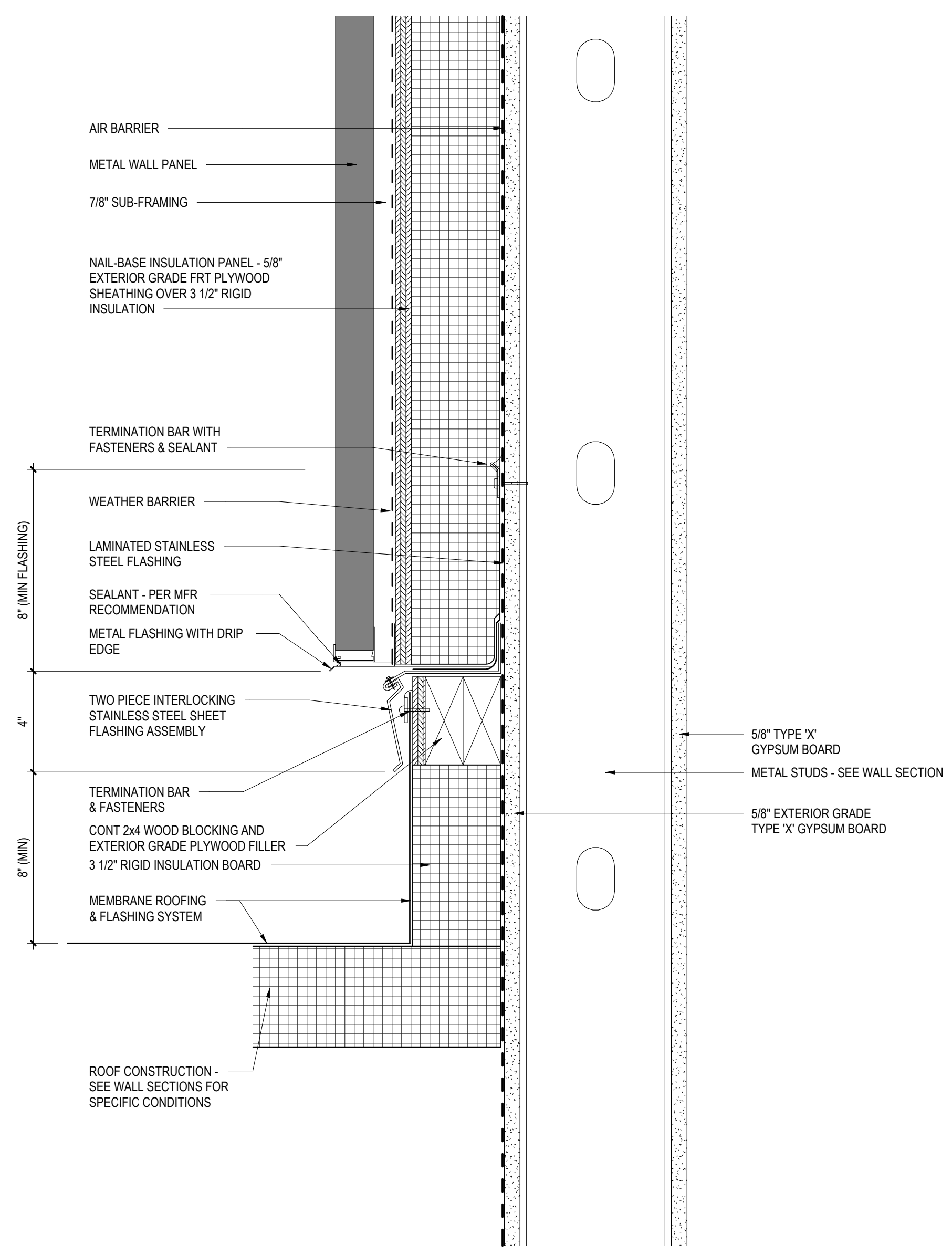
7 TYPICAL GWB CORNER TRIM DETAIL
A5.2 12" = 1'-0"



8 METAL PANEL ROOF PARAPET FASCIA DETAIL
A5.2 3" = 1'-0"



9 TYPICAL WATERPROOFING DETAIL W/ INSULATION
A5.2 1 1/2" = 1'-0"



10 ROOF TO WALL FLASHING DETAIL - METAL STUD
A5.2 3" = 1'-0"

CONFORMED SET

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES HEREBY DISCLAIMS ALL WARRANTIES AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THIS MATERIAL, HEREIN OR SUBSTANTIAL PART THEREOF, WITHOUT THE WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION. © CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

REVISIONS

NO.	DATE	NAME	DESCRIPTION OF CHANGES
1	7/23/2026		ADDENDUM #1

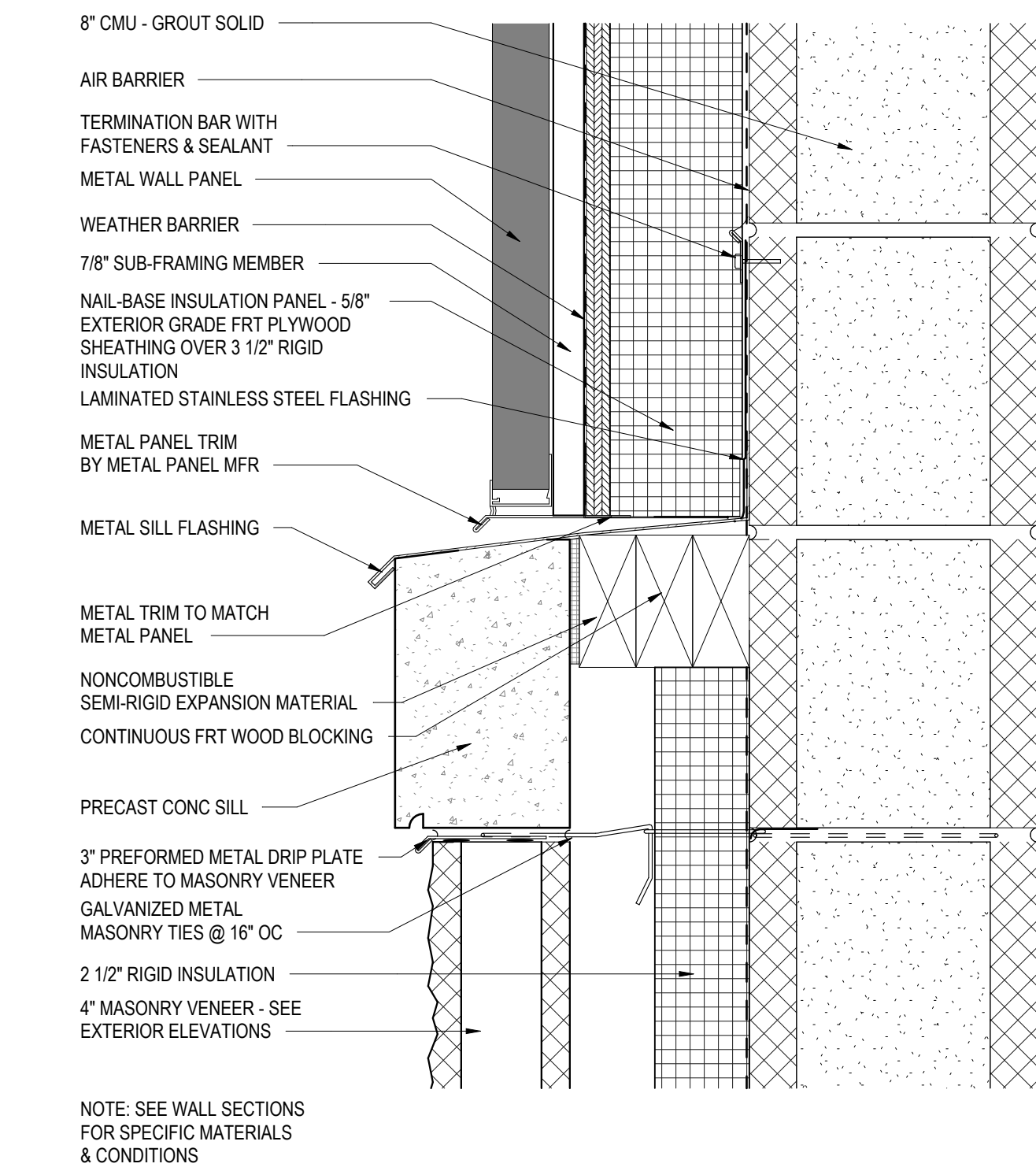
CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS
401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272

TOWSON, MARYLAND
CHARLOTTEVILLE, VIRGINIA
WHITE SULPHUR SPRINGS, WEST VIRGINIA

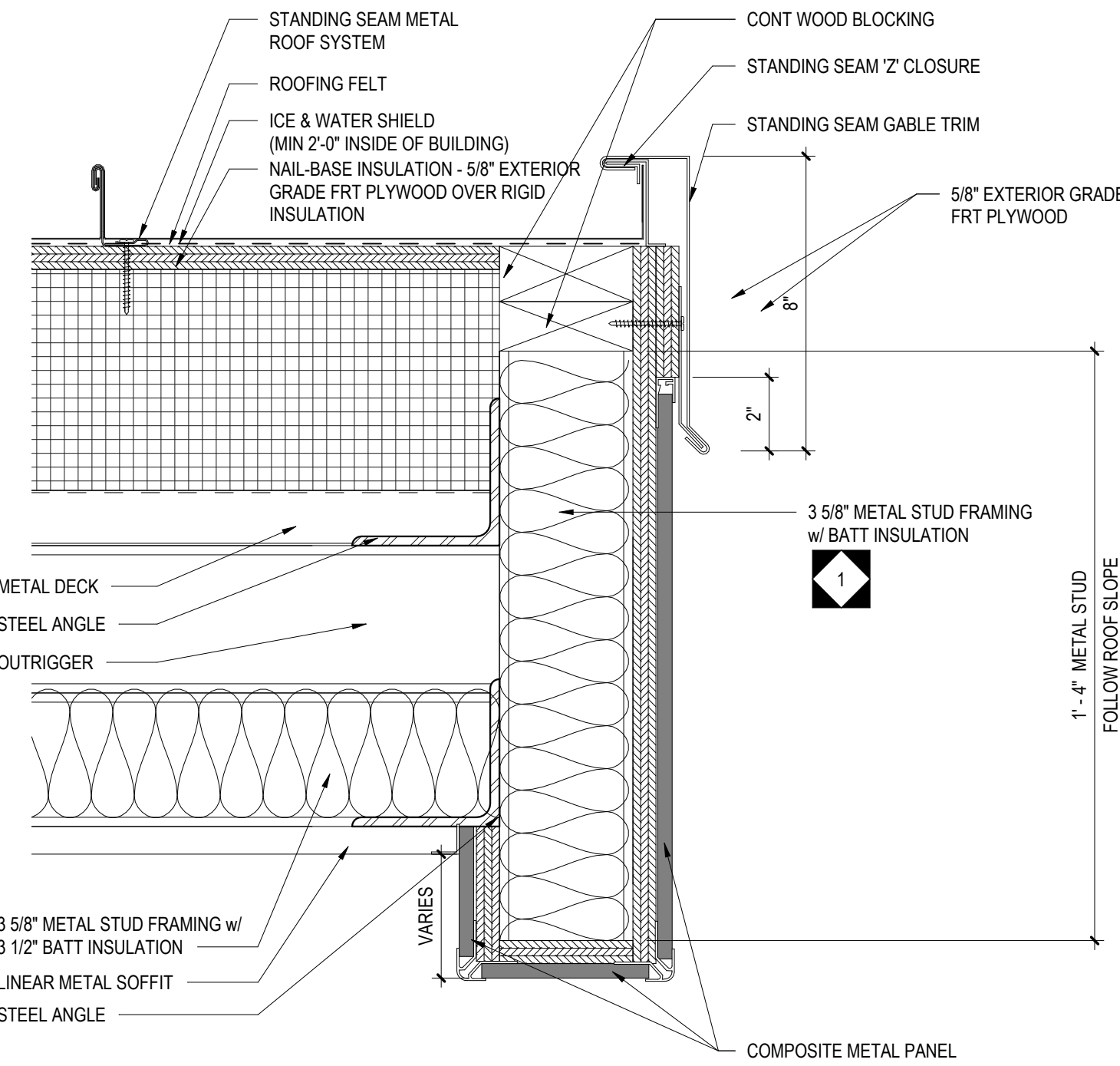
NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
585 SOLANCO ROAD, QUARRYVILLE, PA 17566



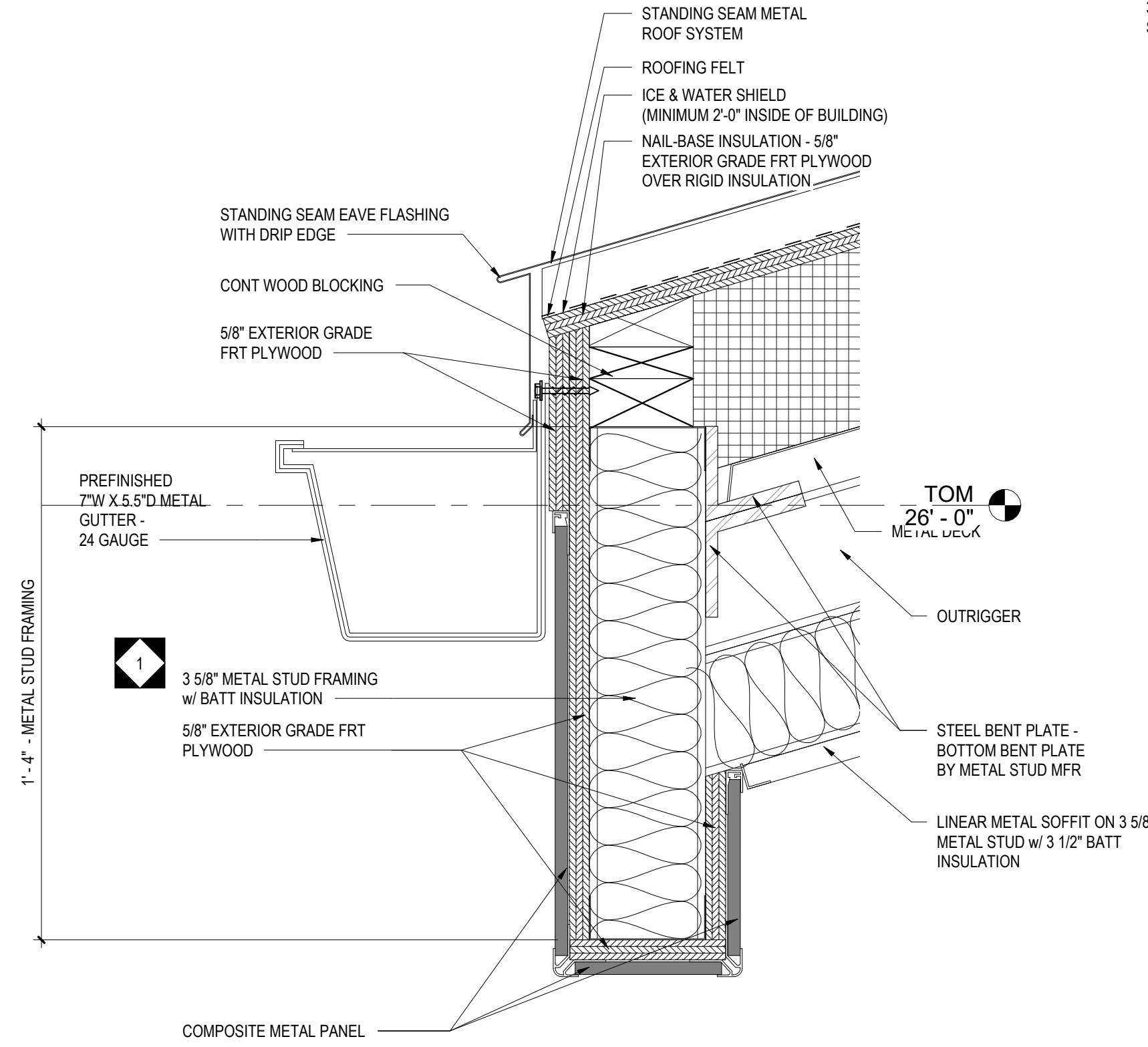
TYPICAL DETAILS	PROJECT 3706
PLOT SCALE: As indicated	A5.2
FILENAME:	
DATE: JULY 8, 2026	



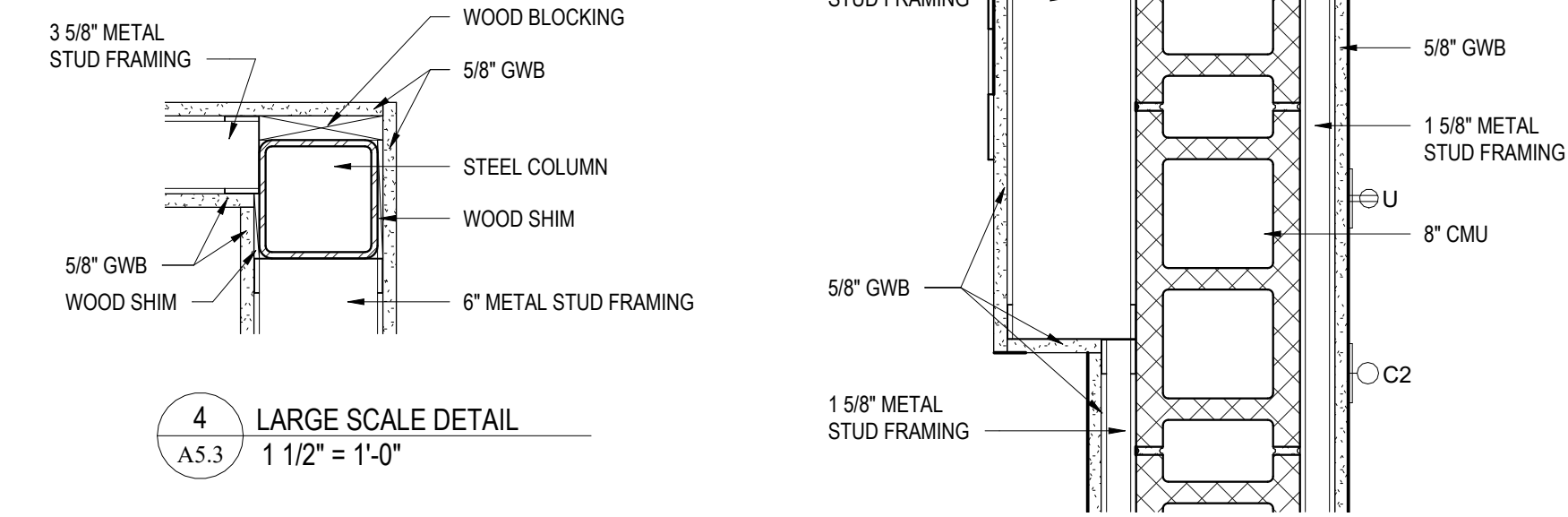
1 METAL PANEL TO PRECAST
A5.3 3" = 1'-0"



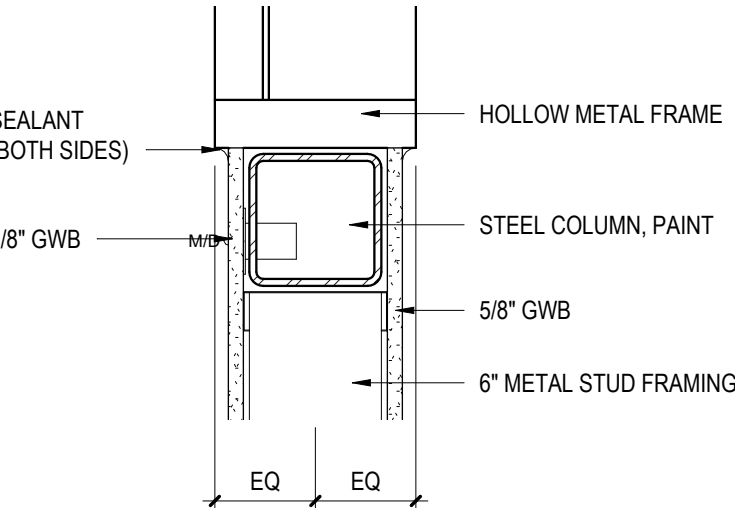
2 EDGE OF DECK - STANDING SEAM
A5.3 3" = 1'-0"



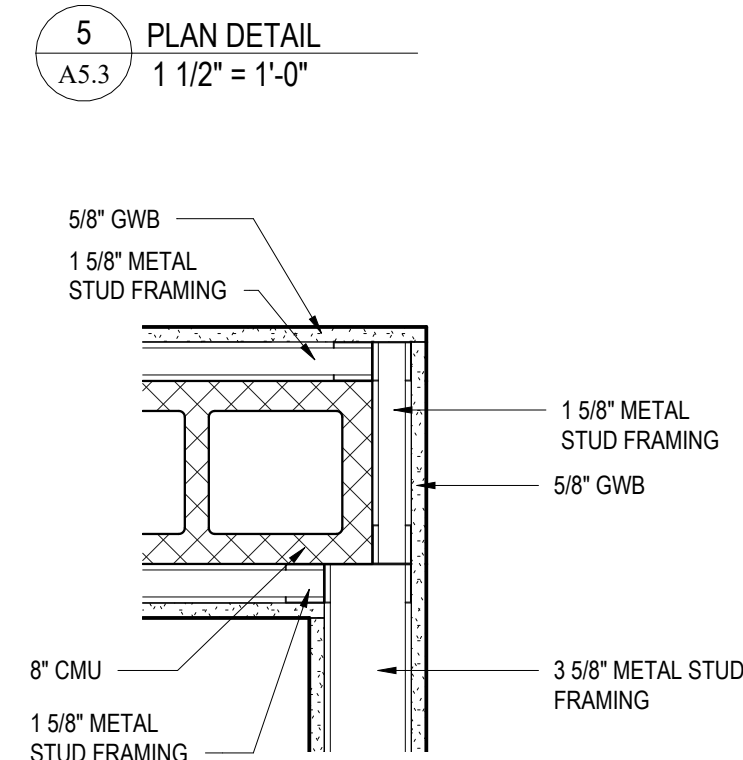
3 EDGE OF DECK - STANDING SEAM
A5.3 3" = 1'-0"



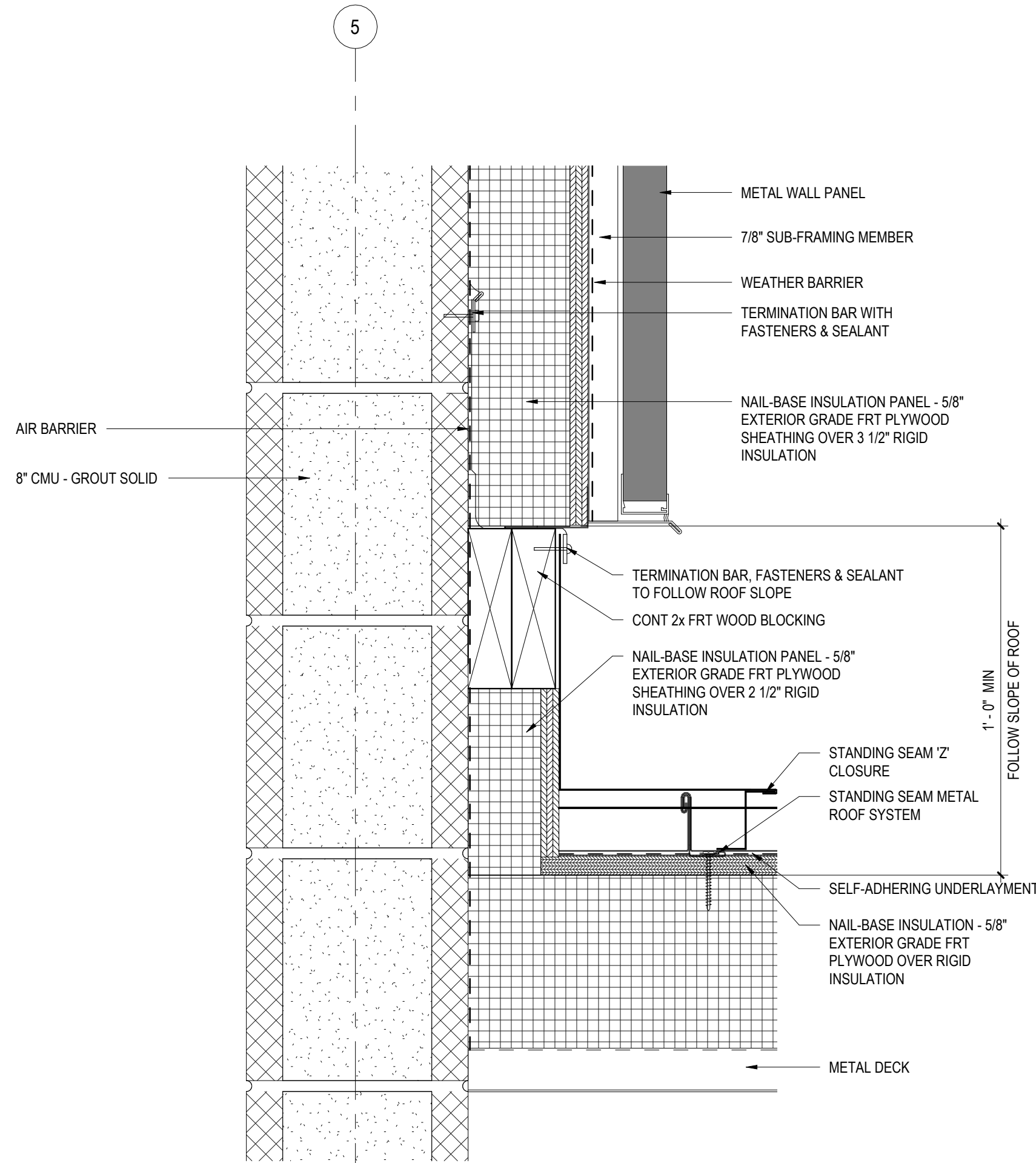
4 LARGE SCALE DETAIL
A5.3 1 1/2" = 1'-0"



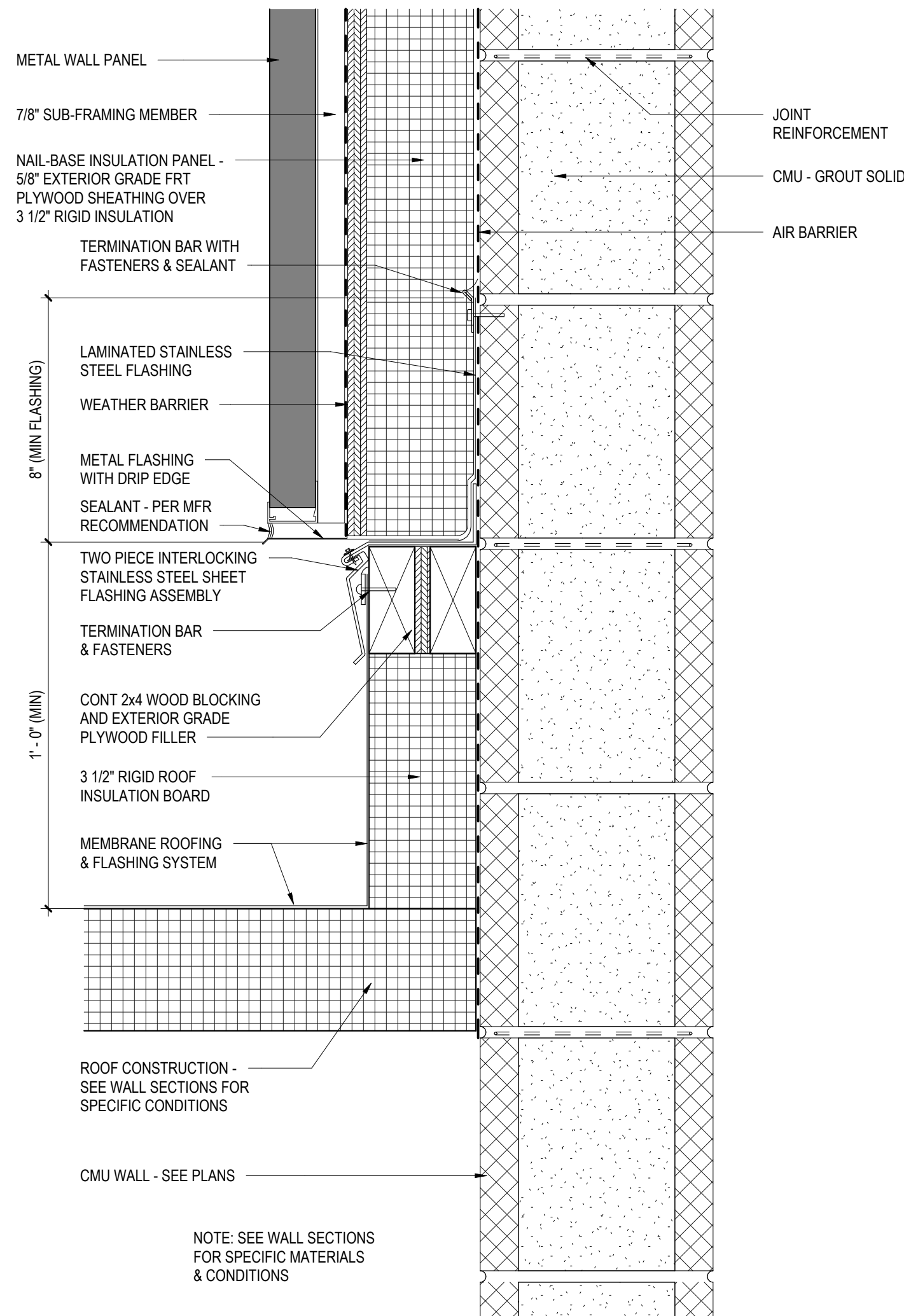
9 PLAN DETAIL
A5.3 1 1/2" = 1'-0"



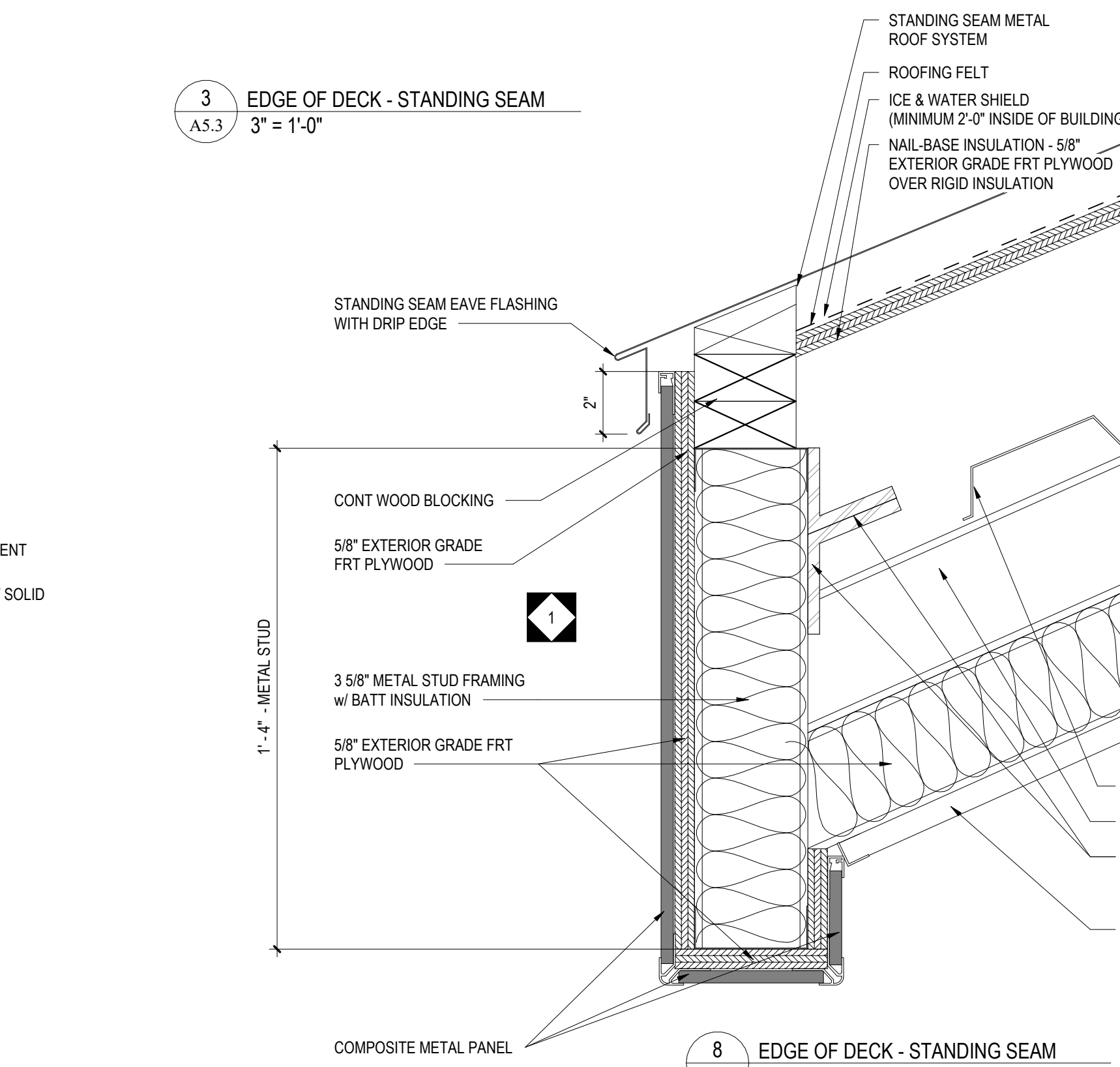
10 PLAN DETAIL
A5.3 1 1/2" = 1'-0"



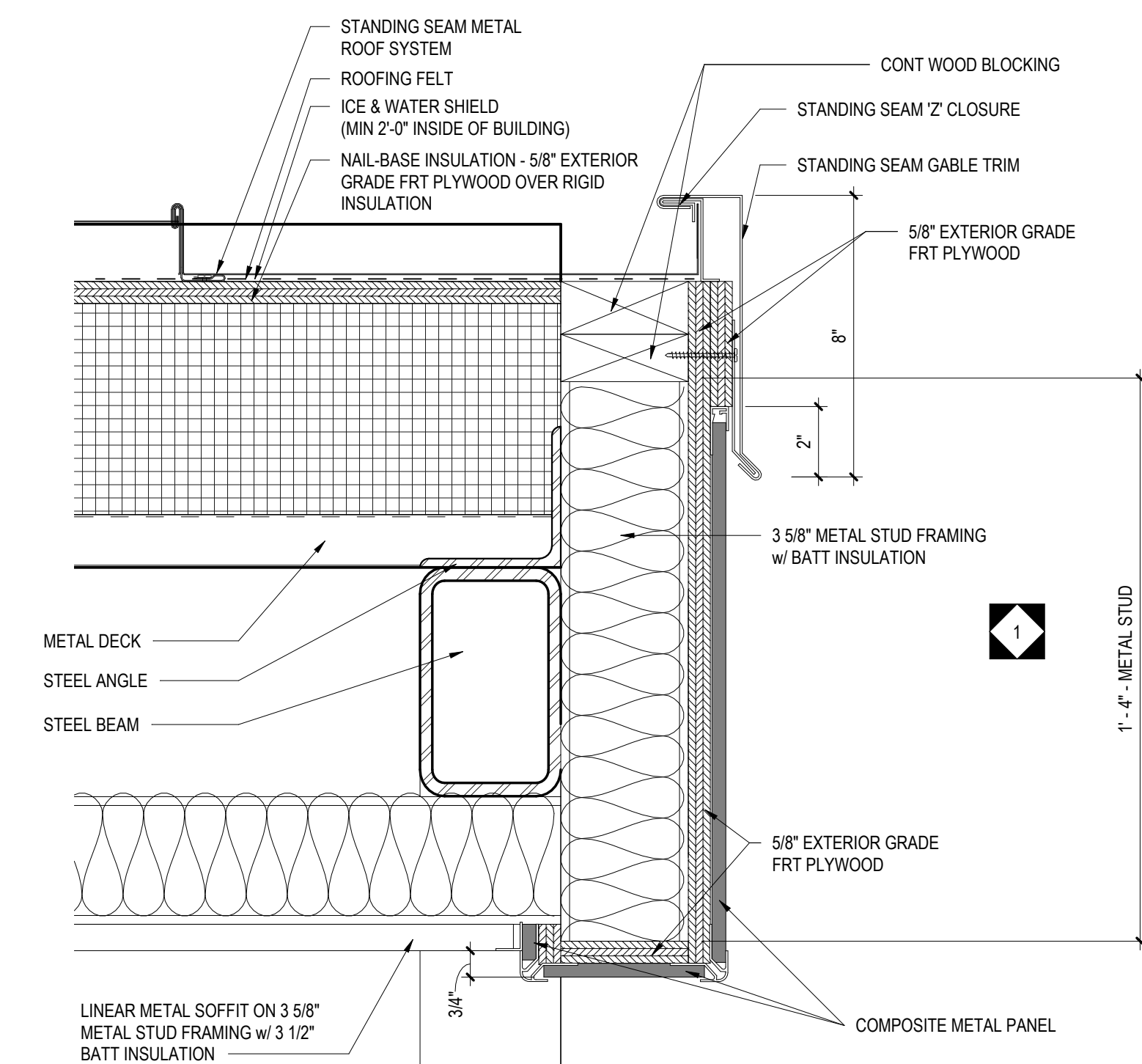
6 ROOF TO WALL FLASHING DETAIL
A5.3 3" = 1'-0"



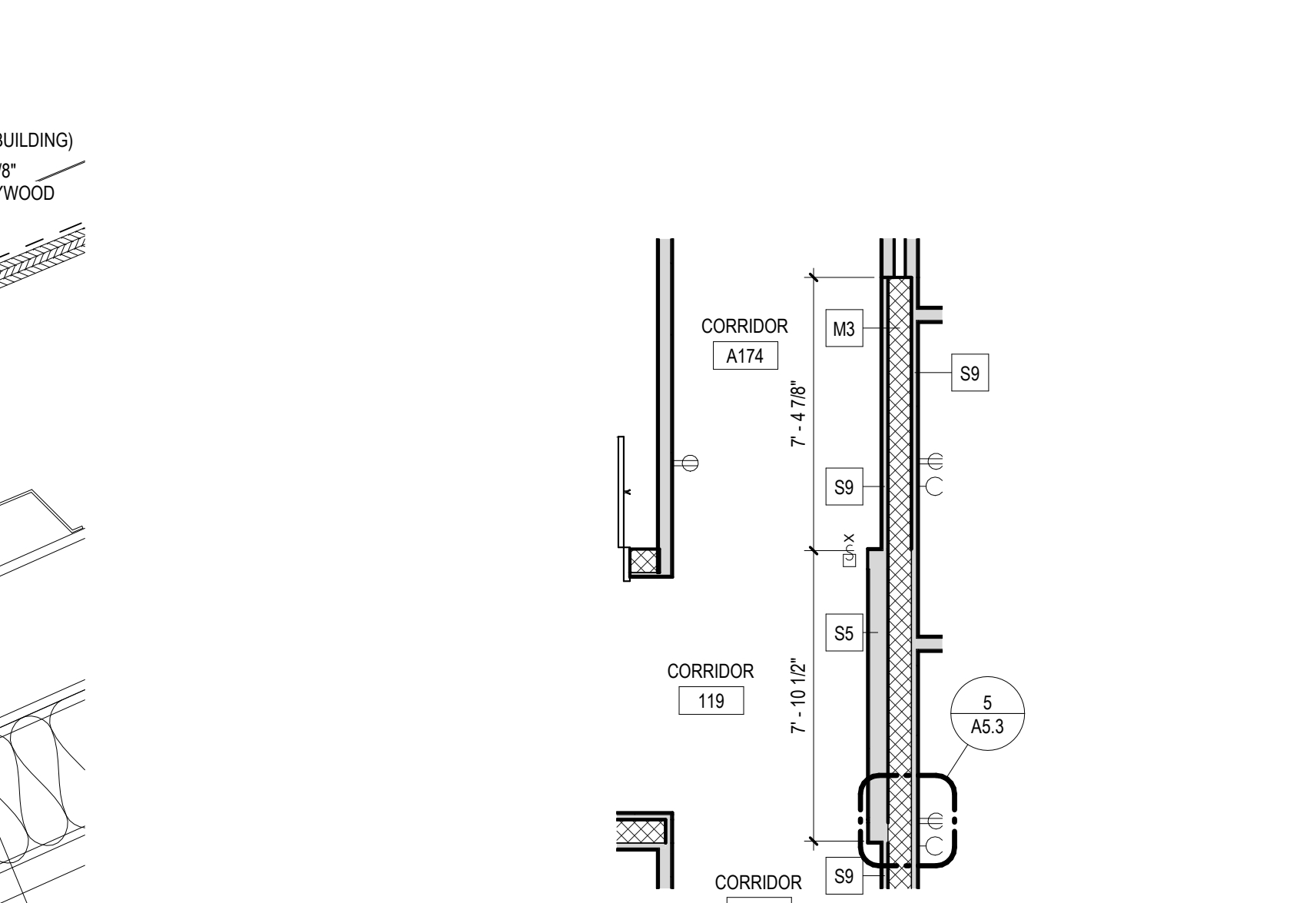
7 METAL PANEL ROOF TO WALL FLASHING DETAIL
A5.3 3" = 1'-0"



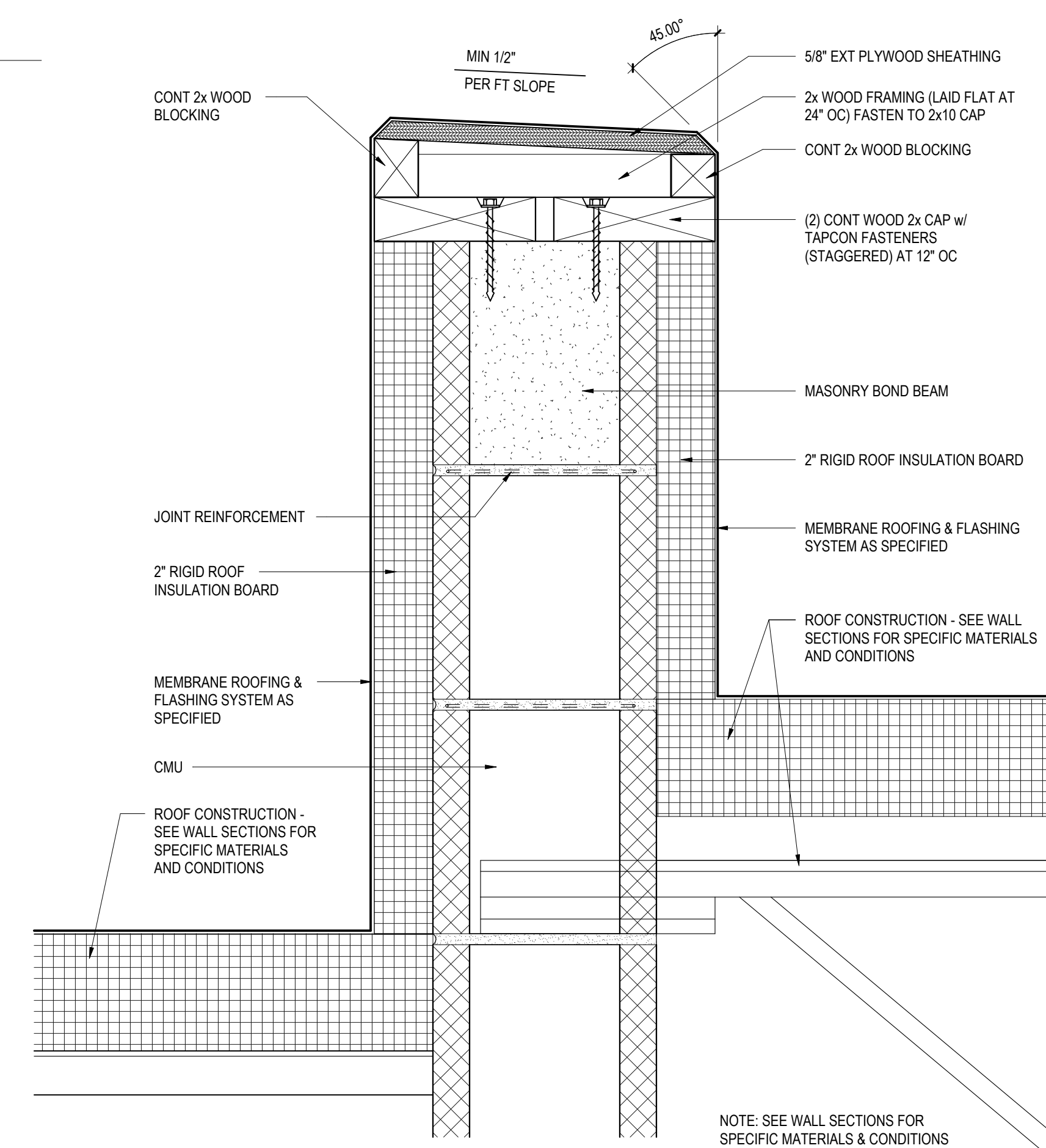
8 EDGE OF DECK - STANDING SEAM
A5.3 3" = 1'-0"



11 EDGE OF DECK - STANDING SEAM
A5.3 3" = 1'-0"



12 PLAN DETAIL
A5.3 1/4" = 1'-0"



13 TYPICAL MASONRY PARAPET DETAIL
A5.3 3" = 1'-0"

CONFORMED SET

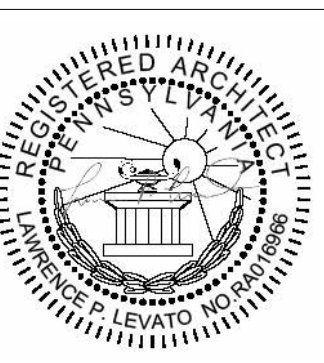
ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES RE TANK ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION. © CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

REVISIONS

NO	DATE	NAME	DESCRIPTION OF CHANGES
1	7/23/2026		ADDENDUM #1

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS
TOWSON, MARYLAND
CHARLOTTEVILLE, VIRGINIA
WHITE SULPHUR SPRINGS, WEST VIRGINIA
401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272

CR



DETAILS
PLOT SCALE:
As indicated
FILENAME:
DATE:
JULY 8, 2026

PROJECT
3706
A5.3

ROOM FINISH SCHEDULE										
NUMBER	NAME	COLOR SCHEME	FLOOR	BASE	WALLS			CEILING FINISH	REMARKS	
					WALL FINISH	WAINSCOT				
						FINISH	HEIGHT			
GROUND FLOOR										
001	STAIR	TBD	SCONC	RB	PNT	--	--	PNT	R7	
002	VESTIBULE	TBD	SCONC	RB	PNT	--	--	PSTR	--	
003	STORAGE	TBD	SCONC	RB	PNT	--	--	PSTR	--	
004	STORAGE	TBD	SCONC	RB	PNT	--	--	PSTR	--	
005	CONCESSIONS	TBD	SCONC	RB	PNT	--	--	ACT5	--	
009	LOCKER 1	TBD	SCONC	RB	EPX1	--	--	PSTR	--	
009A	VESTIBULE	TBD	SCONC	RB	PNT	--	--	PSTR	--	
010	LOCKER 2	TBD	SCONC	RB	EPX1	--	--	PSTR	--	
010A	VESTIBULE	TBD	SCONC	RB	PNT	--	--	PSTR	--	
011	JANITOR	TBD	SCONC	RB	PNT	--	--	PSTR	--	
012	STORAGE	TBD	SCONC	RB	PNT	--	--	PSTR	--	
013	WOMENS TOILET	TBD	SCONC	RB	EPX1	--	--	PSTR	--	
014	MENS TOILET	TBD	SCONC	RB	EPX1	--	--	PSTR	--	
015	CORRIDOR	TBD	SCONC	RB	PNT	--	--	PSTR	--	
018	OPS STORAGE	TBD	SCONC	RB	PNT	--	--	PSTR	--	
019	MECHANICAL STORAGE	TBD	SCONC	RB	PNT	--	--	EPX2	--	
020	STORAGE	TBD	SCONC	RB	PNT	--	--	EPX2	--	
FIRST FLOOR										
100	VEST	TBD	EM	RB	GFCMU/ PNT	--	--	ACT1	--	
101	WAITING	TBD	EM	RB	GFCMU/ PNT	--	--	ACT1	--	
102	RECEPTION	TBD	CPT	RB	PNT	--	--	ACT1	R53	
103	BOARD ROOM	TBD	CPT	RB	TWC1/ TWC2/ GFCMU/ WD	--	--	MTL/ PNT	R2, R52, R53, R77	
104	CONFERENCE	TBD	CPT	RB	PNT	--	--	ACT1	R53	
105	CORRIDOR	TBD	CPT	RB	PNT/ GFCMU	--	--	ACT1	--	
106	MEN	TBD	RES	RES	PT	--	--	ACT1	--	
107	TOILET	TBD	RES	RES	PT	--	--	ACT1	--	
108	WOMEN	TBD	RES	RES	PT	--	--	ACT1	--	
110	WAITING	TBD	EM	RB	PNT	--	--	ACT1	--	
111	CORRIDOR	TBD	LVT	RB	PNT	--	--	ACT1	--	
112	RECEIVING	TBD	SCONC	RB	PNT	--	--	PNT	--	
113	JANITOR	TBD	SCONC	RB	PNT	--	--	ACT1	--	
114	MECH	TBD	SCONC	RB	PNT	--	--	PNT	--	
115	ELEC	TBD	SDT	RB	PNT	--	--	PNT	--	
116	DIRECTOR OF TRANSPORTATION	TBD	CPT	RB	PNT	--	--	ACT1	R53	
117	TRANSPORTATION ASSISTANT	TBD	CPT	RB	PNT	--	--	ACT1	R53	
118	LACTATION	TBD	CPT	RB	PNT	--	--	ACT1	--	
119	CORRIDOR	TBD	CPT	RB	PNT	--	--	ACT1/ ACT3/ PNT	R53, R77, R78	
121	CUSTODIAL SUPERVISOR	TBD	CPT	RB	PNT	--	--	ACT1	R53	
122	DIRECTOR OF BUILDINGS & GROUNDS	TBD	CPT	RB	PNT	--	--	ACT1	R53	
123	DIRECTOR OF FOOD SERVICE	TBD	CPT	RB	PNT	--	--	ACT1	R53	
124	STORAGE	TBD	SCONC	RB	PNT	--	--	ACT1	--	
125	FOOD SERVICE ASSISTANT	TBD	CPT	RB	PNT	--	--	ACT1	R53	
126	BUILDINGS & GROUNDS ASSISTANT	TBD	CPT	RB	PNT	--	--	ACT1	R53	
127	FISCAL CLERK	TBD	CPT	RB	PNT	--	--	ACT1	R53	
128	FLEX OFFICE	TBD	CPT	RB	PNT	--	--	ACT1	R53	
129	ACCOUNT CLERK	TBD	CPT	RB	PNT	--	--	ACT1	R53	
130	TAX CLERK	TBD	CPT	RB	PNT	--	--	ACT1	R53	
131	TAX AIDE	TBD	CPT	RB	PNT	--	--	ACT1	R53	
132	PURCHASING CLERK	TBD	CPT	RB	PNT	--	--	ACT1	R53	
133	CONFERENCE	TBD	CPT	RB	PNT	--	--	ACT1	R53	
134	VAULT	TBD	LVT	RB	PNT	--	--	ACT1	--	
135	ASST BUSINESS MANAGER	TBD	CPT	RB	PNT	--	--	ACT1	R53	
136	STORAGE	TBD	SCONC	RB	PNT	--	--	ACT1	--	
137	BUSINESS MANAGER	TBD	CPT	RB	PNT	--	--	ACT1	R53	
138	PAYROLL CLERK	TBD	CPT	RB	PNT	--	--	ACT1	R53	
139	RECORDS	TBD	LVT	RB	PNT	--	--	ACT1	--	
141	STAIR	TBD	RBR	RB	PNT	--	--	ACT1	R7	
142	ELEC / IT	TBD	SDT	RB	PNT	--	--	PNT	--	
143	RECORDS	TBD	LVT	RB	PNT	--	--	ACT1	--	
144	WOMEN	TBD	RES	RES	PT	--	--	ACT1	--	
145	WOMEN	TBD	RES	RES	PT	--	--	ACT1	--	
146	MEN	TBD	RES	RES	PT	--	--	ACT1	--	
147	MEN	TBD	RES	RES	PT	--	--	ACT1	--	
148	BREAK ROOM	TBD	LVT	RB	PNT	--	--	ACT1	R53	
149	CONFERENCE	TBD	CPT	RB	PNT	--	--	ACT1	R53	
150	CORRIDOR	TBD	CPT	RB	PNT	--	--	ACT1/ ACT3/ PNT	R53, R77, R78	
151	WORK ROOM	TBD	CPT	RB	PNT	--	--	ACT1	R53	
152	CONFERENCE	TBD	CPT	RB	PNT	--	--	ACT1	R53	
153	RECORDS	TBD	LVT	RB	PNT	--	--	ACT1	--	
154	SE CLERK	TBD	CPT	RB	PNT	--	--	ACT1	R53	
155	STUDENT REGISTRATION: GRANT COORDINATOR	TBD	CPT	RB	PNT	--	--	ACT1	R53	
156	SE AIDE	TBD	CPT	RB	PNT	--	--	ACT1	R53	
157	STUDENT REGISTRATION: ACCOUNT CLERK	TBD	CPT	RB	PNT	--	--	ACT1	R53	
158	SE CONSULTANT	TBD	CPT	RB	PNT	--	--	ACT1	R53	
159	DIRECTOR OF SE	TBD	CPT	RB	PNT	--	--	ACT1	R53	
160	ITIN. AS	TBD	CPT	RB	PNT	--	--	ACT1	R53	
161	DIRECTOR OF BH	TBD	CPT	RB	PNT	--	--	ACT1	R53	
162	CONFERENCE	TBD	CPT	RB	PNT	--	--	ACT1	R53	
163	DISTRICT OT	TBD	CPT	RB	PNT	--	--	ACT1	R53	
164	SEC PUPIL SERVICES	TBD	CPT	RB	PNT	--	--	ACT1	R53	
165	DIRECTOR OF PUPIL SERVICES	TBD	CPT	RB	PNT	--	--	ACT1	R53	
166	RECORDS	TBD	LVT	RB	PNT	--	--	ACT1	--	
167	PSYCHOLOGIST	TBD	CPT	RB	PNT	--	--	ACT1	R53	
168	DIRECTOR OF PS	TBD	CPT	RB	PNT	--	--	ACT1	R53	
169	PSYCHOLOGIST	TBD	CPT	RB	PNT	--	--	ACT1	R53	
170	SOCIAL WORKER	TBD	CPT	RB	PNT	--	--	ACT1	R53	
171	PSYCHOLOGIST	TBD	CPT	RB	PNT	--	--	ACT1	R53	
172	DIRECTOR OF IT	TBD	CPT	RB	PNT	--	--	ACT1	R53	
173	CONF	TBD	CPT	RB	PNT	--	--	ACT1	R53	
175	DIRECTOR OF HR	TBD	CPT	RB	PNT	--	--	ACT1	R53	
176	SEC. TO SUPERINTENDENT	TBD	CPT	RB	PNT	--	--	ACT1	R53	
177	SUPERINTENDENT	TBD	CPT	RB	PNT	--	--	ACT1	R53	
178	ASST. SUPERINTENDENT	TBD	CPT	RB	PNT	--	--	ACT1	R53	
179	SEC. TO ASST. SUPERINTENDENT	TBD	CPT	RB	PNT	--	--	ACT1	R53	
A109	PASSAGE	TBD	EM	RB	PNT	--	--	ACT1	--	
A120	CORRIDOR	TBD	CPT	RB	PNT	--	--	ACT1/ ACT3/ PNT	R53, R77, R78	
A140	CORRIDOR	TBD	CPT	RB	PNT	--	--	ACT1/ PNT	R53	
A174	CORRIDOR	TBD	CPT	RB	PNT	--	--	ACT1/ ACT3/ PNT	R53, R77, R78	

ROOM FINISH SCHEDULE LEGEND	
FLOOR FINISH	
CPT	CARPET
EM	ENTRANCE MAT
LVT	LUXURY VINYL TILE
RES	RESINOUS FLOORING
SCONC	CONCRETE WITH SEALER
FLOOR REMARKS	
R1:	SEE SPECIFICATIONS FOR ALTERNATE FINISHES
R2:	SEE FLOOR PATTERN PLANS FOR VARYING FLOOR MATERIALS.
R3-R6:	NOT USED
R7:	T=RBR, R=PNT, L=RBR, S=PNT.
R8-R25:	NOT USED
BASE FINISH	
RES	RESINOUS
RB	RUBBER
BASE REMARKS	
R26:	SEE SPECIFICATIONS FOR ALTERNATE FINISHES.
R27-R50:	NOT USED
WALL FINISH	
EPX	EPOXY PAINT
EXP	EXPOSED
GFCMU	GROUND FACE CMU
PNT	PAINT
PT	PORCELAIN TILE
TWC	TEXTILE WALLCOVERING
WD	WOOD
WALL REMARKS	
R51:	SEE SPECIFICATIONS FOR ALTERNATE FINISHES.
R52:	SEE INTERIOR ELEVATIONS FOR VARYING WALL MATERIALS.
R53:	PROVIDE ACCENT WALL.
R54-R55:	NOT USED.
R56:	PROVIDE FULL HEIGHT CERAMIC ACCENT TILE AT SINK WALL.
R57-R75:	NOT USED
CEILING FINISH	
ACT	ACOUSTICAL CEILING TILE
EPX	EPOXY PAINT
EXP	EXPOSED
MTL	METAL CEILING SYSTEM
PNT	PAINTED GYPSUM WALLBOARD
PSTR	PAINTED STRUCTURE
CEILING REMARKS	
R76:	SEE SPECIFICATIONS FOR ALTERNATE FINISHES.
R77:	SEE REFLECTED CEILING PLANS FOR VARYING CEILING MATERIALS AND HEIGHTS.
R78:	PROVIDE ACCENT PAINT AT BULKHEADS.
R79-R100:	NOT USED
GENERAL NOTES	
1.	REFER TO SPECIFICATIONS FOR DETAILED DESCRIPTION OF FINISH SYSTEM/TYPES.
2.	REFER TO WALL TYPES FOR MASONRY LOCATIONS AND DETAILS.
3.	GYPSUM WALLBOARD BULKHEADS AND SOFFITS SHALL BE PAINTED.
4.	ALL HOLLOW METAL DOOR AND FRAMES, INTERIOR AND EXTERIOR, SHALL BE PAINTED.
5.	ALL INTERIOR AND EXTERIOR FERROUS METAL SHALL BE PAINTED INCLUDING LINTELS, RAILINGS, GRILLES AND LOUVERS. (DOES NOT INCLUDE FACTORY OR PRE-FINISHED ITEMS)
6.	T=TREAD, R=RISER, L=LANDING, S=STRINGER
7.	SEE I7 DRAWINGS FOR MATERIAL TRANSITIONS & FLOOR PATTERN PLANS.
8.	NOT USED.
9.	NOT USED.

CONFORMED SET

ALL REPORTS, PLANS SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES RE TANK ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THERE TO. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION. © CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

REVISIONS

NO	ISSUE	NAME	DESCRIPTION OF CHANGES
2	7/23/2026		ADDENDUM #2
4	8/6/2026		ADDENDUM #4

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS

401 EAST WINDING HILL ROAD

MECHANICSBURG PA 17055

717-458-0272

www.cra-architects.com

NEW CONSTRUCTION FOR

NEW DISTRICT ADMINISTRATION OFFICES

THE SOLANCO SCHOOL DISTRICT

585 SOLANCO ROAD, QUARRYVILLE, PA 17566

TOWSON, MARYLAND

CHARLOTTEVILLE, VIRGINIA

WHITE SULPHUR SPRINGS, WEST VIRGINIA

CR

ROOM FINISH SCHEDULE

PLOT SCALE:

FILENAME:

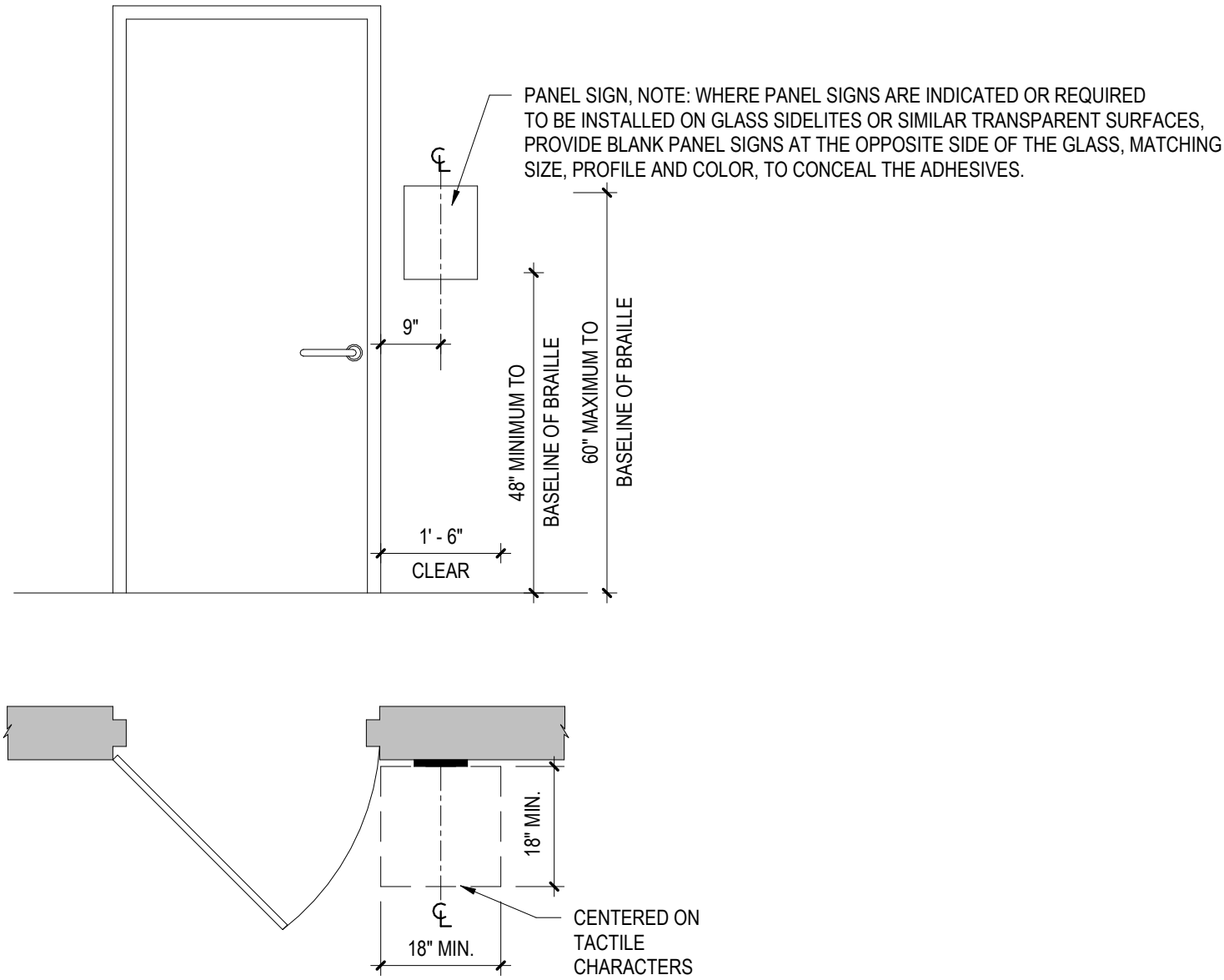
DATE: JULY 8, 2026

PROJECT

3706

A6.1

SIGNAGE SCHEDULE									
ORIGINAL		SIGN TO READ		SIGN TYPE				QTY	REMARKS
ROOM#	ARCHITECTURAL ROOM NAME	ROOM#	ROOM NAME	TYPE	ADA	FEMALE	MALE		
GROUND FLOOR									
001	STAIR	--	--	3A				1	--
002	VESTIBULE	--	--	--				0	--
003	STORAGE	TBD	STORAGE	1A				1	--
004	STORAGE	TBD	STORAGE	1A				1	--
005	CONCESSIONS	TBD	CONCESSION	1A				1	--
009	LOCKER 1	TBD	LOCKER	1A				1	--
009A	VESTIBULE								
010	LOCKER 2	TBD	LOCKER	1A				1	--
010A	VESTIBULE								
011	JANITOR	TBD	CUSTODIAL	1A				1	--
012	STORAGE	TBD	STORAGE	1A				1	--
013	WOMENS TOILET	TBD	WOMEN'S RESTROOM	2A	●	●	--	1	--
014	MENS TOILET	TBD	MEN'S RESTROOM	2A	●	--	●	1	--
015	CORRIDOR	--	--	--				0	--
018	OPS STORAGE	TBD	STORAGE	1A				1	--
019	MECHANICAL STORAGE	TBD	MECHANICAL	1A				1	--
020	STORAGE	TBD	STORAGE	1A				1	--
FIRST FLOOR									
100	VEST	--	--	--				0	--
101	WAITING	--	--	--				0	--
102	RECEPTION	TBD	RECEPTION	1A				2	--
103	BOARD ROOM	TBD	BOARD ROOM	1A				2	--
104	CONFERENCE	TBD	CONFERENCE	1C				2	--
105	CORRIDOR	--	--	--				0	--
106	MEN	TBD	MEN'S RESTROOM	2A	●	--	●	1	--
107	TOILET	TBD	RESTROOM	2A	●	●	●	1	--
108	WOMEN	TBD	WOMEN'S RESTROOM	2A	●	●	--	1	--
110	WAITING	--	--	--				0	--
111	CORRIDOR	--	--	--				0	--
112	RECEIVING	TBD	RECEIVING	1A				1	--
113	JANITOR	TBD	CUSTODIAL	1A				1	--
114	MECH	TBD	MECHANICAL	1A				1	--
115	ELEC	TBD	ELECTRICAL	1A				1	--
116	DIRECTOR OF TRANSPORTATION	TBD	OFFICE	1B				1	--
117	TRANSPORTATION ASSISTANT	TBD	OFFICE	1B				1	--
118	LACTATION	TBD	MOTHER'S ROOM	1A				1	--
119	CORRIDOR	--	--	--				0	--
121	CUSTODIAL SUPERVISOR	TBD	OFFICE	1B				1	--
122	DIRECTOR OF BUILDINGS & GROUNDS	TBD	OFFICE	1B				1	--
123	DIRECTOR OF FOOD SERVICE	TBD	OFFICE	1B				1	--
124	STORAGE	TBD	STORAGE	1A				1	--
125	FOOD SERVICE ASSISTANT	TBD	OFFICE	1B				1	--
126	BUILDINGS & GROUNDS ASSISTANT	TBD	OFFICE	1B				1	--
127	FISCAL CLERK	TBD	OFFICE	1B				1	--
128	FLEX OFFICE	TBD	OFFICE	1B				1	--
129	ACCOUNT CLERK	TBD	OFFICE	1B				1	--
130	TAX CLERK	TBD	OFFICE	1B				1	--
131	TAX AIDE	TBD	OFFICE	1B				1	--
132	PURCHASING CLERK	TBD	OFFICE	1B				1	--
133	CONFERENCE	TBD	CONFERENCE	1C				1	--
134	VAULT	TBD	VAULT	1A				1	--
135	ASST BUSINESS MANAGER	TBD	OFFICE	1B				1	--
136	STORAGE	TBD	STORAGE	1A				1	--
137	BUSINESS MANAGER	TBD	OFFICE	1B				1	--
138	PAYROLL CLERK	TBD	OFFICE	1B				1	--
139	RECORDS	TBD	RECORDS	1A				1	--
141	STAIR	--	--	3A				1	--
142	ELEC / IT	TBD	ELECTRICAL	1A				1	--
143	RECORDS	TBD	RECORDS	1A				1	--
144	WOMEN	TBD	WOMEN'S RESTROOM	2A	●	●	--	1	--
145	WOMEN	TBD	WOMEN'S RESTROOM	2A	●	●	--	1	--
146	MEN	TBD	MEN'S RESTROOM	2A	●	--	●	1	--
147	MEN	TBD	MEN'S RESTROOM	2A	●	--	●	1	--
148	BREAK ROOM	TBD	BREAK ROOM	1A				1	--
149	CONFERENCE	TBD	CONFERENCE	1C				1	--
150	CORRIDOR	-	--	--				0	--
151	WORK ROOM	TBD	WORK ROOM	1A				2	--
152	CONFERENCE	TBD	CONFERENCE	1C				1	--
153	RECORDS	TBD	RECORDS	1A				1	--
154	SE CLERK	TBD	OFFICE	1B				1	--
155	STUDENT REGISTRATION: GRANT COORDINATOR	TBD	OFFICE	1B				1	--
156	SE AIDE	TBD	OFFICE	1B				1	--
157	STUDENT REGISTRATION: ACCOUNT CLERK	TBD	OFFICE	1B				1	--
158	SE CONSULTANT	TBD	OFFICE	1B				1	--
159	DIRECTOR OF SE	TBD	OFFICE	1B				1	--
160	ITIN. AS	TBD	OFFICE	1B				1	--
161	DIRECTOR OF BH	TBD	OFFICE	1B				1	--
162	CONFERENCE	TBD	CONFERENCE	1C				1	--
163	DISTRICT OT	TBD	OFFICE	1B				1	--
164	SEC PUPIL SERVICES	TBD	OFFICE	1B				1	--
165	DIRECTOR OF SERVICES	TBD	OFFICE	1B				1	--
166	RECORDS	TBD	RECORDS	1A				1	--
167	PSYCHOLOGIST	TBD	OFFICE	1B				1	--
168	DIRECTOR OF PS	TBD	OFFICE	1B				1	--
169	PSYCHOLOGIST	TBD	OFFICE	1B				1	--
170	SOCIAL WORKER	TBD	OFFICE	1B				1	--
171	PSYCHOLOGIST	TBD	OFFICE	1B				1	--
172	DIRECTOR OF IT	TBD	OFFICE	1B				1	--
173	CONF	TBD	OFFICE	1B				1	--
175	DIRECTOR OF HR	TBD	OFFICE	1B				1	--
176	SEC. TO SUPERINTENDENT	TBD	OFFICE	1B				1	--
177	SUPERINTENDENT	TBD	OFFICE	1B				1	--
178	ASST. SUPERINTENDENT	TBD	OFFICE	1B				1	--
179	SEC. TO ASST. SUPERINTENDENT	TBD	OFFICE	1B				1	--
A109	PASSAGE	--	--	--	--	--	--	0	--
A120	CORRIDOR	--	--	--				0	--
A140	CORRIDOR	--	--	--				0	--
A174	CORRIDOR	--	--	--				0	--



1 PANEL SIGN - INSTALL DETAIL (TYP.)
A6.2 1/2" = 1'-0"

GENERAL NOTE IN REFERENCE TO A6.2 DRAWINGS

- INSTALL SIGNS LEVEL, PLUMB, AND AT THE HEIGHT INDICATED, WITH SIGN SURFACES FREE FROM DISTORTION OR OTHER DEFECTS IN APPEARANCE.
- TACTILE CHARACTERS SHALL BE 48 INCHES MINIMUM ABOVE THE FLOOR, MEASURED TO THE BASELINE OF THE LOWEST TACTILE CHARACTER AND 60 INCHES MAXIMUM ABOVE THE FLOOR, MEASURED TO THE BASELINE OF THE HIGHEST TACTILE CHARACTER.
- WHERE A TACTILE SIGN IS PROVIDED AT A DOOR, THE SIGN SHALL BE ALONGSIDE THE DOOR AT THE LATCH SIDE. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAVES, THE SIGN SHALL BE TO THE RIGHT OF THE RIGHT-HAND DOOR. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE OF A SINGLE DOOR, OR TO THE RIGHT SIDE OF DOUBLE DOORS, SIGNS SHALL BE ON THE NEAREST ADJACENT WALL.
- SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR AREA 18 INCHES MINIMUM BY 18 INCHES MINIMUM, CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION.
 - EXCEPTION: SIGNS WITH TACTILE CHARACTERS SHALL BE PERMITTED ON THE PUSH SIDE OF DOORS WITH CLOSERS AND WITHOUT HOLD-OPEN DEVICES.
- GENERAL CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR REGARDING NUMBERING FOR ELECTRICAL PANELS.
- IN ADDITION TO THE SIGNAGE SCHEDULE PLEASE PROVIDE THE FOLLOWING SIGN TYPES:
 - SIGN TYPE 3C: 141
 - SIGN TYPE 4A: 103A = 272.
 - SIGN TYPE 4B: (1) @ EACH OF THE FOLLOWING DOORS: 001A, 002, 020A, 021, 100B, 103C, 110B
 - SIGN TYPE 4C: (1) @ EACH OF THE FOLLOWING DOORS: 002, 020A, 021, 109
 - SIGN TYPE 4E: 103A
 - SIGN TYPE 4G: 103A
 - SIGN TYPE 5A: (1) @ EACH OF THE FOLLOWING DOORS: 001A, 002, 019A, 020A, 021, 103C, 112A, 114A, 115A

A101 NAME NAME BRAILLE (NUMBER & NAME) TYPE 1A SIZE: 8"x8" NOT TO SCALE	A101 NAME NAME BRAILLE (NUMBER & NAME) PAPER INSERT TYPE 1B SIZE: 8"x8" NOT TO SCALE	A101 NAME NAME BRAILLE (NUMBER & NAME) VACANT IN USE TYPE 1C SIZE: 8"x8" NOT TO SCALE
NOT USED	RESTROOM BRAILLE TYPE 2A SIZE: 8"x10" NOT TO SCALE	NOT USED
STAIRS BRAILLE TYPE 3A SIZE: 8"x10" NOT TO SCALE	NOT USED	AREA OF REFUGE BRAILLE TYPE 3C SIZE: 8"x10" NOT TO SCALE
NOT USED		MAXIMUM OCCUPANCY XXX BRAILLE TYPE 4A SIZE: 8"x10" NOT TO SCALE
EXIT BRAILLE TYPE 4B SIZE: 8"x10" NOT TO SCALE	ACCESSIBLE ENTRANCE BRAILLE TYPE 4C SIZE: 8"x10" NOT TO SCALE	NOT USED
ASSISTIVE LISTENING DEVICE AVAILABLE AT TICKET OFFICE BRAILLE TYPE 4E SIZE: 8"x10" NOT TO SCALE	NOT USED	NO FOOD OR DRINK BRAILLE TYPE 4G SIZE: 8"x10" NOT TO SCALE
NAME NAME BRAILLE (NUMBER & NAME) TYPE 5A-SIZE: 8"x8" NOT TO SCALE EXTERIOR FRAMELESS SIGN	NOT USED	

CONFORMED SET

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES RE TANK ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION.
© CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

REVISIONS

NO	MM-DD-YR	NAME	DESCRIPTION OF CHANGES

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS

www.cra-architects.com

TOWSON, MARYLAND

CHARLOTTEVILLE, VIRGINIA

WHITE SULPHUR SPRINGS, WEST VIRGINIA

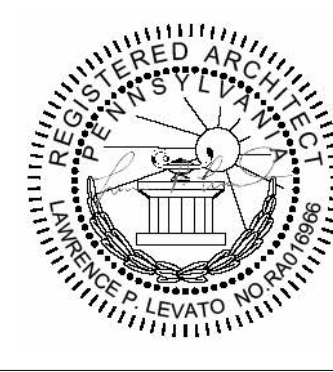
401 EAST WINDING HILL ROAD

MECHANICSBURG PA 17055

717-458-0272

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT

585 SOLANCO ROAD, QUARRYVILLE, PA 17566



SIGNAGE SCHEDULE

PLOT SCALE:
1/2" = 1'-0"

FILENAME:

DATE:

JULY 8, 2026

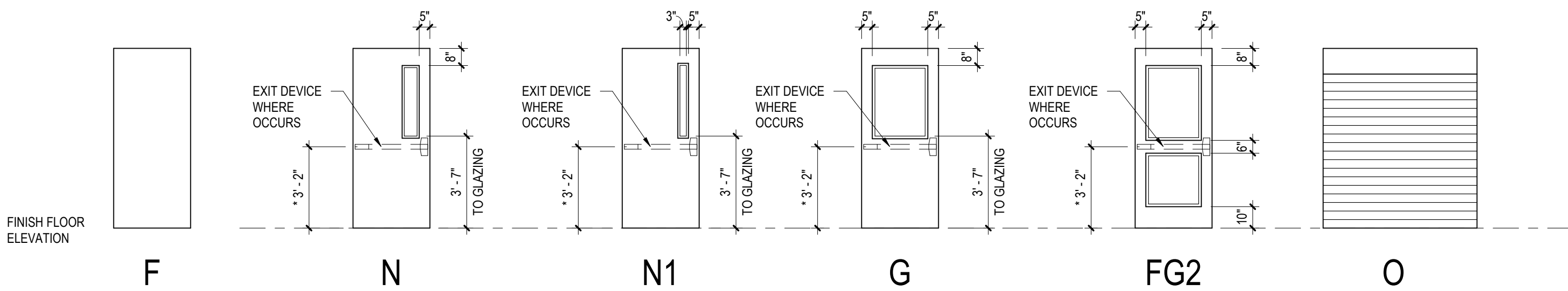
PROJECT
3706

A6.2

DOOR SCHEDULE - GROUND FLOOR																
OPENING NUMBER	DOOR & FRAME UL RATING	DOOR							FRAME				HARDWARE SET	SPECIAL DETAIL	REMARKS	
		DOOR TYPE	DOOR MATERIAL	GLAZING TYPE	DIMENSIONS				FRAME TYPE	FRAME MATERIAL	DETAILS					
					WIDTH		HEIGHT	THICK NESS			HEAD	JAMB				
					LEAF 1	LEAF 2										
001A	--	F	INSUL HM	--	3'-0"		7'-0"	1 3/4"	H1	HM	5/A6.5	6/A6.5	0001	7/A6.5	CARD READER	
001B	60/60 MIN	N1	WD	FIRE RATED	3'-0"		7'-0"	1 3/4"	H1	HM	1/A6.5	2/A6.5	0021	--	CARD READER	
002	--	F	INSUL HM	--	3'-0"		7'-0"	1 3/4"	H1	HM	5/A6.5	6/A6.5	0001	7/A6.5	CARD READER	
003	--	F	WD	--	3'-0"		7'-0"	1 3/4"	H1	HM	1/A6.5	2/A6.5	0013.1	--	CARD READER	
004	--	F	WD	--	3'-0"		7'-0"	1 3/4"	H1	HM	1/A6.5	2/A6.5	0013.1	--	CARD READER	
005A	--	F	WD	--	3'-0"		7'-0"	1 3/4"	H1	HM	1/A6.5	2/A6.5	0022	--		
005B	--	O	INSUL STL	--	6'-0"		4'-0"		--	STL	A/A6.4	B/A6.4	0032	D/A6.4		
005C	--	O	INSUL STL	--	6'-0"		4'-0"		--	STL	A/A6.4	B/A6.4	0032	D/A6.4		
009A	--	F	WD	--	3'-0"		7'-0"	1 3/4"	H1	HM	1/A6.5	2/A6.5	0025	--		
010A	--	F	WD	--	3'-0"		7'-0"	1 3/4"	H1	HM	1/A6.5	2/A6.5	0025	--		
011	--	F			3'-0"		7'-0"	1 3/4"								
012A	--	F	INSUL HM	--	3'-0"	3'-0"	7'-0"	1 3/4"	H1	HM	5/A6.5	6/A6.5	0004	7/A6.5	CARD READER	
013	--	F	WD	--	3'-0"		7'-0"	1 3/4"	H1	HM	1/A6.5	2/A6.5	0006	--		
014	--	F	WD	--	3'-0"		7'-0"	1 3/4"	H1	HM	1/A6.5	2/A6.5	0006	--		
015	--	N	WD	TG	3'-0"		7'-0"	1 3/4"	H1	HM	1/A6.5	2/A6.5	0023	--	CARD READER	
018	--	F	WD	--	3'-0"		7'-0"	1 3/4"	H1	HM	1/A6.5	2/A6.5	0013.1	--	CARD READER	
019A	--	F	INSUL HM	--	3'-0"	3'-0"	7'-0"	1 3/4"	H1	HM	5/A6.5	6/A6.5	0003	7/A6.5	CARD READER	
019B	20/45 MIN	F	WD	--	3'-0"		7'-0"	1 3/4"	H1	HM	1/A6.5	2/A6.5	0024	--		
020A	--	F	INSUL HM	--	3'-6"		7'-0"	1 3/4"	H1	HM	5/A6.5	6/A6.5	0002	7/A6.5	CARD READER	
020B	--	O	INSUL STL	--	10'-0"		10'-0"		--	STL	A/A6.4	B/A6.4	0032	C/A6.4		
020C	60/60 MIN	F	WD	--	3'-0"		7'-0"	1 3/4"	H1	HM	1/A6.5	2/A6.5	0024	--		

DOOR TYPES

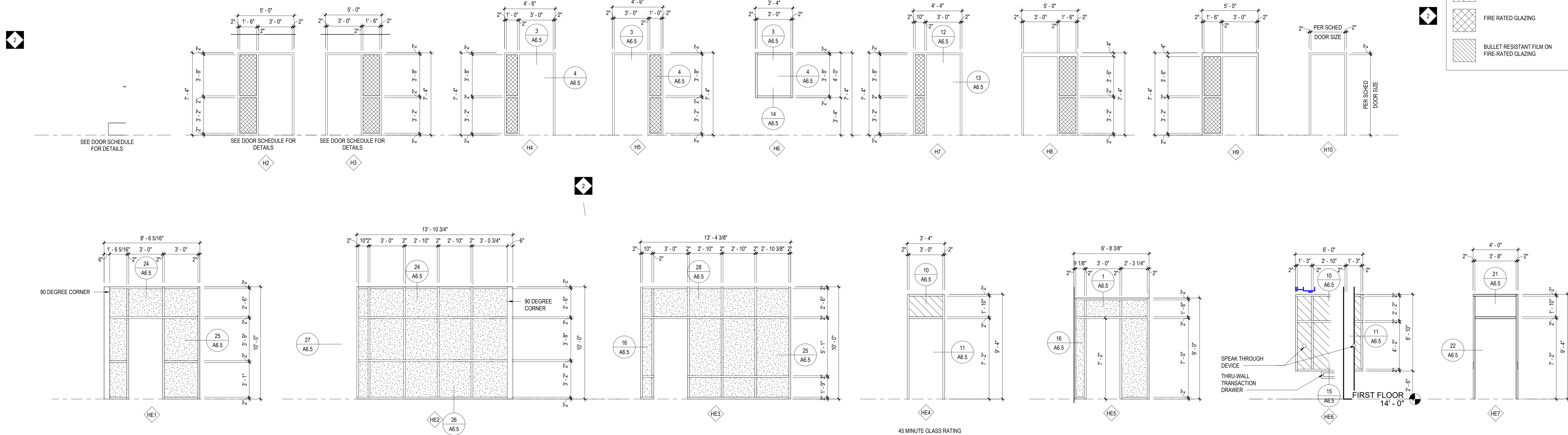
* - RECOMMENDED MOUNTING HEIGHT FROM FINISHED FLOOR TO CENTER LINE OF FIRE EXIT DEVICE
** - COORDINATE WITH DOOR MANUFACTURE REQUIREMENTS



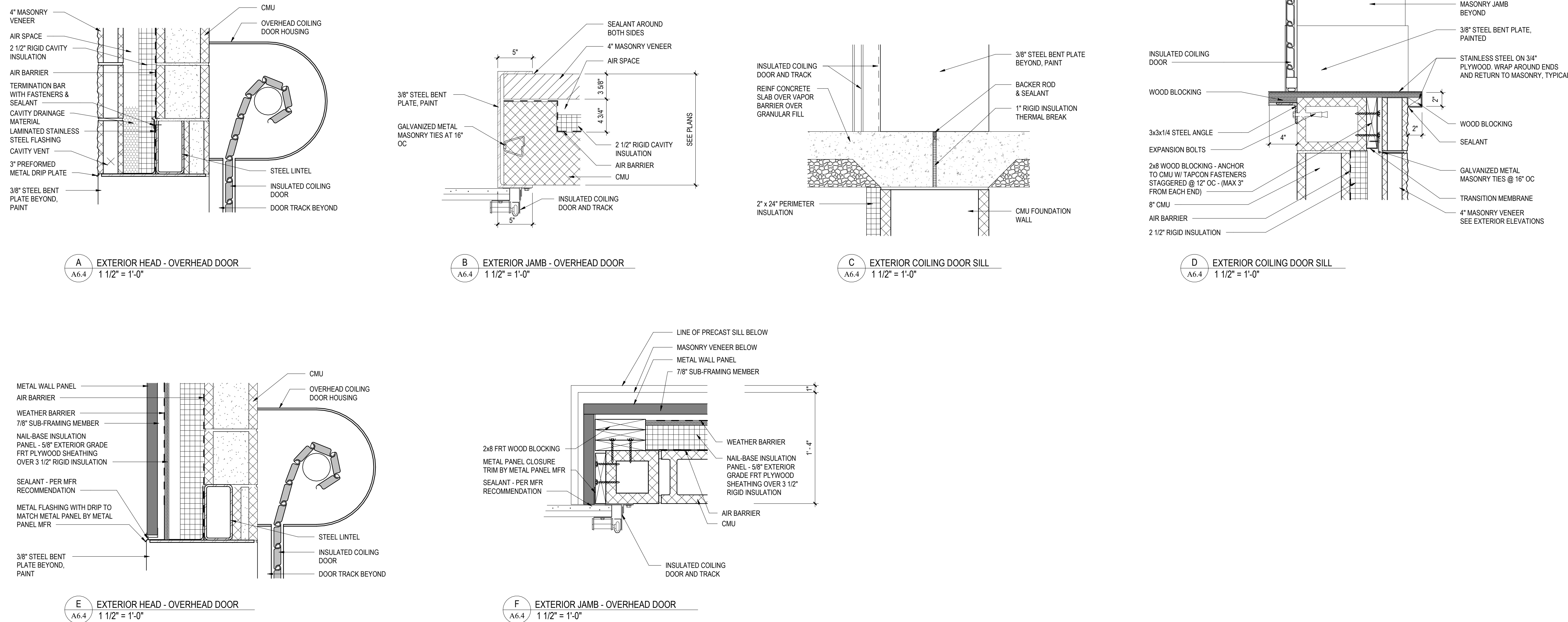
DOOR SCHEDULE - FIRST FLOOR																	
OPENING NUMBER	DOOR & FRAME UL RATING	GLASS RATING	DOOR							FRAME				HARDWARE SET	SPECIAL DETAIL	REMARKS	
			DOOR TYPE	DOOR MATERIAL	GLAZING TYPE	DIMENSIONS		THICK NESS	FRAME TYPE	FRAME MATERIAL	DETAILS						
						LEAF 1	LEAF 2				HEIGHT	HEAD	JAMB				
100B	--	--	FG2	HM	BULLET RESIST	3'-0"		7'-2"	2 1/2"	HE3	HM	--	--	0027		CARD READER, SEE ELEVATIONS FOR DETAILS	
100D	--		F	WD	--	3'-0"		7'-0"	1 3/4"	H1	HM	1/A6.5	2/A6.5	0026	--		
100E	--		F	WD	--	3'-0"		7'-0"	1 3/4"	H1	HM	1/A6.5	2/A6.5	0026	--		
102	20/45 MIN	45 MIN	FG2	HM	BULLET RESIST	3'-0"		7'-2"	1 3/4"	HE4	HM	--	--	0028	--	CARD READER, SEE ELEVATIONS FOR DETAILS	
103	20/45 MIN		FG2	WD	BULLET RESIST	3'-0"	3'-0"	7'-0"	1 3/4"	H1	HM	17/A6.5	18/A6.5	0029	--	CARD READER	
103A	20/45 MIN	45 MIN	G	WD	--	3'-0"		7'-0"	1 3/4"	H1	HM	1/A6.5	2/A6.5	0020	--		
103B	20/45 MIN	45 MIN	G	WD	FIRE RATED	3'-0"		7'-0"	1 3/4"	H1	HM	1/A6.5	2/A6.5	0020	--		
103C	--	--	F	INSUL HM	--	3'-8"		7'-2"	1 3/4"	HE7	HM	--	--	0019		SEE ELEVATIONS FOR DETAILS	
103D			F			3'-0"		7'-0"	1 3/4"								
104A	20/45 MIN	45 MIN	G	WD	FIRE RATED	3'-0"		7'-0"	1 3/4"	H1	HM	17/A6.5	18/A6.5	0018	--		
104B	--	--	F		--	3'-0"		7'-0"	1 3/4"	H1		10/A6.5	11/A6.5	0017	--		
105	--	--	FG2	HM	BULLET RESIST	3'-0"		7'-2"	2 1/2"	HE5	HM	--	--	0027	--	CARD READER, SEE ELEVATIONS FOR DETAILS	
106	20/45 MIN		F	WD	--	3'-0"		7'-0"	1 3/4"	H1	HM	1/A6.5	2/A6.5	0005	--		
107	20/45 MIN		F	WD	--	3'-0"		7'-0"	1 3/4"	H1	HM	8/A6.5	9/A6.5	0005	--		
108	20/45 MIN		F	WD	--	3'-0"		7'-0"	1 3/4"	H1	HM	1/A6.5	2/A6.5	0005	--		
109	--	--	FG2	HM	BULLET RESIST	3'-0"		7'-2"	2 1/2"	HE1	HM	--	--	0030	--	CARD READER, SEE ELEVATIONS FOR DETAILS	
110A	--		G	INSUL HM	--	3'-0"		7'-0"	1 3/4"	H1	HM	21/A6.5	22/A6.5	0001	7/A6.5	CARD READER	
110B	20/45 MIN		G	WD	TG	3'-0"		7'-0"	1 3/4"	H1	HM	1/A6.5	2/A6.5	0016	--		
111A	20/45 MIN	45 MIN	FG2	WD	BULLET RESIST	3'-0"	3'-0"	7'-0"	1 3/4"	H1	HM	1/A6.5	2/A6.5	0029	--	CARD READER	
111B	20/45 MIN		FG2	WD	BULLET RESIST	3'-0"		7'-0"	1 3/4"	H1	HM	17/A6.5	18/A6.5	0031	--	CARD READER	
112B			F	HM	--	3'-0"	3'-0"	7'-0"	1 3/4"		HM						
112C	20/45 MIN	--	F	WD	--	3'-0"	3'-0"	7'-0"	1 3/4"	H1	HM	1/A6.5	2/A6.5	0015	--		
112E	--		F	INSUL HM	--	3'-6"		7'-0"	1 3/4"	H1	HM	21/A6.5	22/A6.5	0002	7/A6.5	CARD READER	
113	20/45 MIN		F	WD	--	3'-0"		7'-0"	1 3/4"	H1	HM	1/A6.5	2/A6.5	0010	--		
114A	--		F	INSUL HM	--	3'-0"		7'-0"	1 3/4"	H1	HM	21/A6.5	22/A6.5	0001	7/A6.5	CARD READER	
114B	--		O	INSUL STL	--	10'-0"		8'-0"	--		STL	E/A6.4	F/A6.4	0032			
114C	20/45 MIN		F	WD	--	3'-0"		7'-0"	1 3/4"	H1	HM	1/A6.5	2/A6.5	0010	--		
115A	--		F	INSUL HM	--	3'-0"		7'-0"	1 3/4"	H1	HM	21/A6.5	22/A6.5	0001	7/A6.5	CARD READER	
115B	--		F	WD	--	3'-0"		7'-0"	1 3/4"	H1	HM	1/A6.5	2/A6.5	0014	--		
116	20/45 MIN		F	WD	FIRE RATED	3'-0"		7'-0"	1 3/4"	H8	HM	17/A6.5	18/A6.5	0007	--		
117	20/45 MIN		F	WD	FIRE RATED	3'-0"		7'-0"	1 3/4"	H9	HM	17/A6.5	18/A6.5	0007	--		
118	20/45 MIN		F	WD	--	3'-0"		7'-0"	1 3/4"	H1	HM	1/A6.5	2/A6.5	0005	--		
121	20/45 MIN		F	WD	FIRE RATED	3'-0"		7'-2"	1 3/4"	H3	HM	3/A6.5	4/A6.5	0007	--		
122	20/45 MIN		F	WD	FIRE RATED	3'-0"		7'-2"	1 3/4"	H2	HM	3/A6.5	4/A6.5	0007	--		
123	20/45 MIN		F	WD	FIRE RATED	3'-0"		7'-2"	1 3/4"	H3	HM	3/A6.5	4/A6.5	0007	--		
124	20/45 MIN		F	WD	--	3'-0"		7'-2"	1 3/4"	H10	HM	3/A6.5	4/A6.5	0009	--		
125	20/45 MIN		F	WD	FIRE RATED	3'-0"		7'-2"	1 3/4"	H2	HM	3/A6.5	4/A6.5	0007	--		
126	20/45 MIN		F	WD	FIRE RATED	3'-0"		7'-2"	1 3/4"	H3	HM	3/A6.5	4/A6.5	0007	--		
127	20/45 MIN		F	WD	FIRE RATED	3'-0"		7'-2"	1 3/4"	H3	HM	3/A6.5	4/A6.5	0007	--		
128	20/45 MIN		F	WD	FIRE RATED	3'-0"		7'-2"	1 3/4"	H2	HM	3/A6.5	4/A6.5	0007	--		
129	20/45 MIN		F	WD	FIRE RATED	3'-0"		7'-2"	1 3/4"	H2		HM	3/A6.5	4/A6.5	0007	--	
130	20/45 MIN		F	WD	FIRE RATED	3'-0"		7'-2"	1 3/4"	H2	HM	3/A6.5	4/A6.5	0007	--		
131	20/45 MIN		F	WD	FIRE RATED	3'-0"		7'-2"	1 3/4"	H2		HM	3/A6.5	4/A6.5	0007	--	
132	20/45 MIN		F	WD	FIRE RATED	3'-0"		7'-2"	1 3/4"	H2	HM	3/A6.5	4/A6.5	0007	--		
133	20/45 MIN		F	WD	FIRE RATED	3'-0"		7'-2"	1 3/4"	H3	HM	3/A6.5	4/A6.5	0008	--		
134	20/45 MIN		F	WD	--	3'-0"		7'-2"	1 3/4"	H10		HM	3/A6.5	4/A6.5	0013	--	CARD READER
135	20/45 MIN		F	WD	FIRE RATED	3'-0"		7'-2"	1 3/4"	H3	HM	3/A6.5	4/A6.5	0007	--		
136	20/45 MIN		F	WD	--	3'-0"		7'-2"	1 3/4"	H10		HM	3/A6.5	4/A6.5	0009	--	
137	20/45 MIN		F	WD	FIRE RATED	3'-0"		7'-2"	1 3/4"	H2		HM	3/A6.5	4/A6.5	0007	--	
138	20/45 MIN		F	WD	FIRE RATED	3'-0"		7'-2"	1 3/4"	H2	HM	3/A6.5	4/A6.5	0007	--		
139	20/45 MIN		F	WD	--	3'-0"		7'-2"	1 3/4"	H10	HM	12/A6.5	13/A6.5	0010	--		
141	60/60 MIN	N1	WD	HM	FIRE RATED	3'-0"		7'-0"	1 3/4"	H1	HM	17/A6.5	18/A6.5	0012	--		
142	20/45 MIN		F	WD	--	3'-0"		7'-2"	1 3/4"	H10	HM	3/A6.5	4/A6.5	0010	--		
143	20/45 MIN		F	WD	--	3'-0"		7'-2"	1 3/4"	H10		HM	19/A6.5	20/A6.5	0010	--	
144	20/45 MIN		F	WD	--	3'-0"		7'-0"	1 3/4"	H1	HM	8/A6.5	9/A6.5	0005	--		
145	20/45 MIN		F	WD	--	3'-0"		7'-0"	1 3/4"	H1		HM	29/A6.5	4/A6.5	0005	--	
146	20/45 MIN		F	WD	--	3'-0"		7'-0"	1 3/4"	H1	HM	29/A6.5	4/A6.5	0005	--		
147	20/45 MIN		F	WD	--	3'-0"		7'-0"	1 3/4"	H1	HM	8/A6.5	9/A6.5	0005	--		
148	20/45 MIN		F	WD	--	3'-0"		7'-2"	1 3/4"	H10		HM	19/A6.5	20/A6.5	0008	--	
149	20/45 MIN		F	WD	--	3'-0"		7'-0"	1 3/4"	H1	HM	10/A6.5	11/A6.5	0008	--		
151A	--	--	F	WD	--	3'-0"		7'-2"	1 3/4"	H10	HM	3/A6.5	4/A6.5	0011	--		
151B	20/45 MIN	--	F	WD	--	3'-0"		7'-2"	1 3/4"	H10	HM	3/A6.5	4/A6.5	0008	--		
152	20/45 MIN		F	WD	FIRE RATED	3'-0"		7'-2"	1 3/4"	H2	HM	3/A6.5	4/A6.5	0008	--		
153	20/45 MIN	--	F	WD	--	3'-0"		7'-2"	1 3/4"	H10	HM	3/A6.5	4/A6.5	0010	--		
154	20/45 MIN		F	WD	FIRE RATED	3'-0"		7'-2"	1 3/4"	H3	HM	3/A6.5	4/A6.5	0007	--		
155	20/45 MIN	45 MIN	F	WD	FIRE RATED	3'-0"		7'-2"	1 3/4"	H2	HM	3/A6.5	4/A6.5	0007	--		
156	20/45 MIN		F	WD	FIRE RATED	3'-0"		7'-2"	1 3/4"	H3	HM	3/A6.5	4/A6.5	0007	--		
157	20/45 MIN	45 MIN	F	WD	FIRE RATED	3'-0"		7'-2"	1 3/4"	H2	HM	3/A6.5	4/A6.5	0007	--		
158	20/45 MIN		F	WD	FIRE RATED	3'-0"		7'-2"	1 3/4"	H3	HM	3/A6.5	4/A6.5	0007	--		
159	20/45 MIN	45 MIN	F	WD	FIRE RATED	3'-0"		7'-2"	1 3/4"	H2	HM	3/A6.5	4/A6.5	0007	--		
160	20/45 MIN		F	WD	FIRE RATED	3'-0"		7'-2"	1 3/4"	H3	HM	3/A6.5	4/A6.5	0007	--		
161	20/45 MIN	45 MIN	F	WD	FIRE RATED	3'-0"		7'-2"	1 3/4"	H2		HM	3/A6.5	4/A6.5	0007	--	
162	20/45 MIN		F	WD	FIRE RATED	3'-0"		7'-2"	1 3/4"	H3	HM	3/A6.5	4/A6.5	0008	--		
163	20/45 MIN		F	WD	FIRE RATED	3'-0"		7'-2"	1 3/4"	H2	HM	3/A6.5	4/A6.5	0007	--		
164	20/45 MIN		F	WD	FIRE RATED	3'-0"		7'-2"	1 3/4"	H3	HM	3/A6.5	4/A6.5	0007	--		
165	20/45 MIN		F	WD	FIRE RATED	3'-0"		7'-2"	1 3/4"	H2	HM	3/A6.5	4/A6.5	0007	--		
166	20/45 MIN		F	WD	--	3'-0"		7'-2"	1 3/4"	H10	HM	3/A6.5	4/A6.5	0010	--		
167	20/45 MIN		F	WD	FIRE RATED	3'-0"		7'-2"	1 3/4"	H2	HM	12/A6.5	13/A6.5	0007	--		
168	20/45 MIN		F	WD	FIRE RATED	3'-0"		7'-2"	1 3/4"	H3	HM	3/A6.5	4/A6.5	0007	--		
169	20/45 MIN	45 MIN	F	WD	FIRE RATED	3'-0"		7'-2"	1 3/4"	H7	HM	--	--	0007		SEE ELEVATIONS FOR DETAILS	
170	20/45 MIN		F	WD	FIRE RATED	3'-0"		7'-2"	1 3/4"	H3	HM	3/A6.5	4/A6.5	0007	--		
171	20/45 MIN		F	WD	FIRE RATED	3'-0"		7'-2"	1 3/4"	H3	HM	12/A6.5	13/A6.5	0007	--		
172	20/45 MIN		F	WD	FIRE RATED	3'-0"		7'-2"	1 3/4"	H3	HM	3/A6.5	4/A6.5	0007	--		
173	20/45 MIN		F	WD	FIRE RATED	3'-0"		7'-2"	1 3/4"	H3	HM	12/A6.5	13/A6.5	0008	--		
175	20/45 MIN		F	WD	FIRE RATED	3'-0"		7'-2"	1 3/4"	H3	HM	3/A6.5	4/A6.5	0007	--		
176	20/45 MIN		F	WD	FIRE RATED	3'-0"		7'-2"	1 3/4"	H4	HM	3/A6.5	4/A6.5	0007	--		
177	20/45 MIN		F	WD	FIRE RATED	3'-0"		7'-2"	1 3/4"	H3	HM	3/A6.5	4/A6.5	0007	--		
178	20/45 MIN		F	WD	FIRE RATED	3'-0"		7'-2"	1 3/4"	H2	HM	3/A6.5	4/A6.5	0007	--		
179	20/45 MIN		F	WD	FIRE RATED	3'-0"		7'-2"	1 3/4"	H5	HM	3/A6.5	4/A6.5	0007	--		

HOLLOW METAL FRAME ELEVATIONS

NOTE: 1. ALL GLASS TO BE TEMPERED ADJACENT TO A DOOR WHERE THE NEAREST EXPOSED EDGE OF THE GLAZING IS WITHIN A 24 INCH ARC OR EITHER VERTICAL EDGE OF THE DOOR IN A CLOSED POSITION.
2. GLASS LITES GREATER THAN 9 SQUARE FEET WHERE THE BOTTOM EDGE IS WITHIN 18 INCHES OF THE FINISHED FLOOR AND THE TOP EDGE EXTENDS ABOVE 36 INCHES AFF SHALL BE TEMPERED.
3. GLASS WHERE THE FINISHED FLOOR OR GRADE ON THE OPPOSING SIDE OF GLASS IS GREATER THAN 30 INCHES SHALL BE TEMPERED TO A HEIGHT OF 30 INCHES AFF.
4. ANY PORTION OF GLASS WITHIN CONSTRAINTS OF ABOVE REQUIREMENTS THE ENTIRE PANEL SHALL BE TEMPERED.



OVERHEAD DOOR DETAILS



CONFORMED SET

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES IS THE OWNER OF ALL RIGHTS IN THIS PROJECT AND ALL OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL PART THEREOF WITHOUT THE WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION. © CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

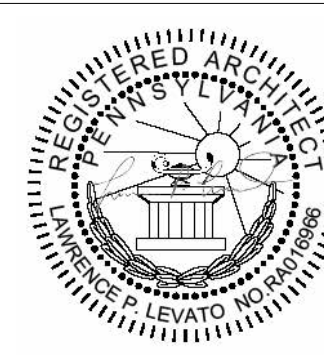
REVISIONS

NO.	DATE	DESCRIPTION OF CHANGES
2	7/29/2026	ADDENDUM #2

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS
TOWSON, MARYLAND
CHARLOTTEVILLE, VIRGINIA
WHITE SULPHUR SPRINGS, WEST VIRGINIA
401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272

www.cra-architects.com

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
585 SOLANCO ROAD, QUARRYVILLE, PA 17566

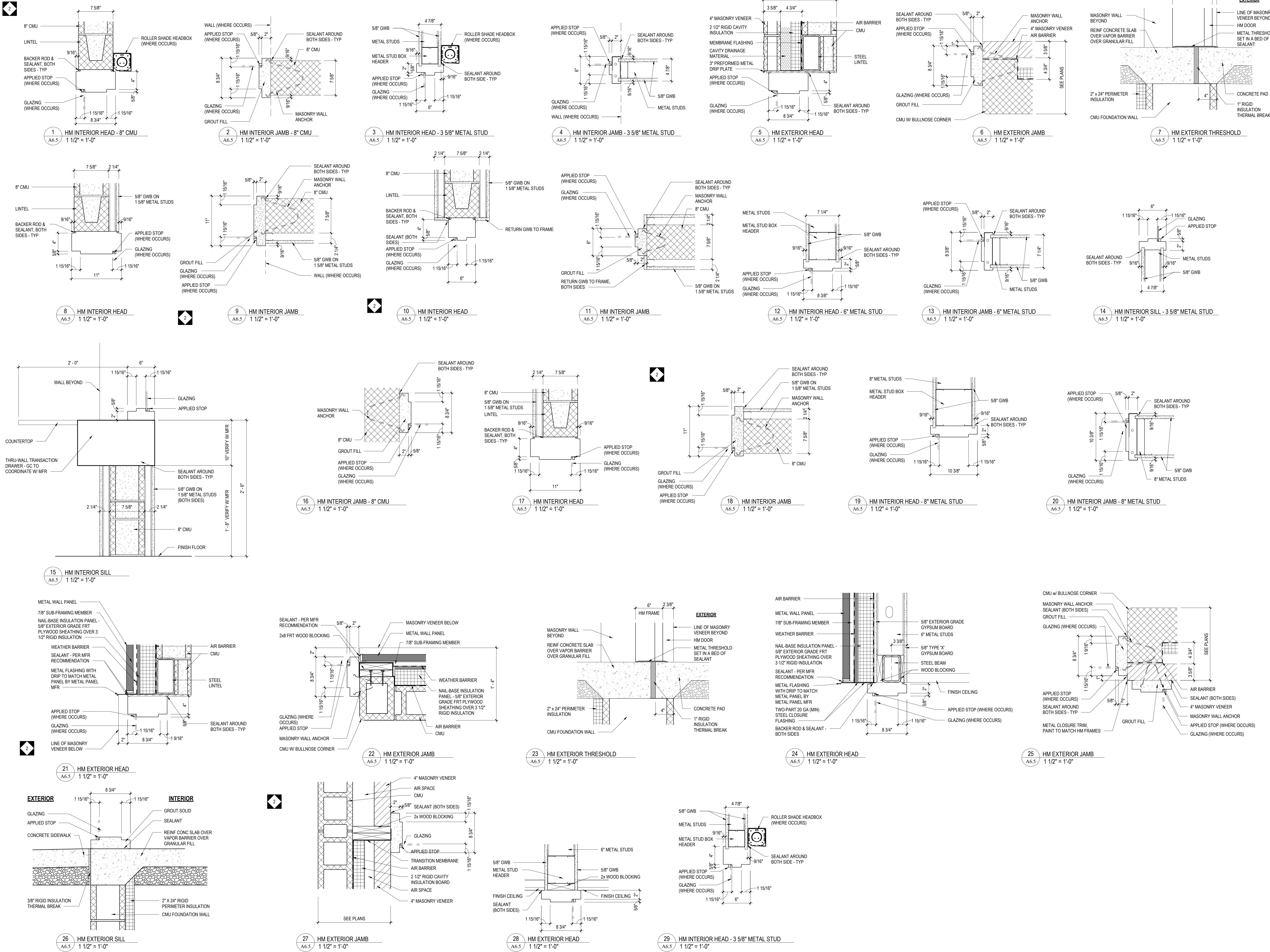


HOLLOW METAL FRAME
ELEVATIONS
PLOT SCALE:
As indicated
FILENAME:
DATE:
JULY 8, 2026

PROJECT
3706
A6.4

HOLLOW METAL FRAME DETAILS

NOTE: 1. CONCRETE MASONRY UNITS INDICATED ARE DIAGRAMATIC IN NATURE AND ARE NOT SPECIFIC TO ANY MANUFACTURER.
2. LINTELS INDICATED TO BE COORDINATED WITH STRUCTURAL DRAWINGS.



CONFORMED SET

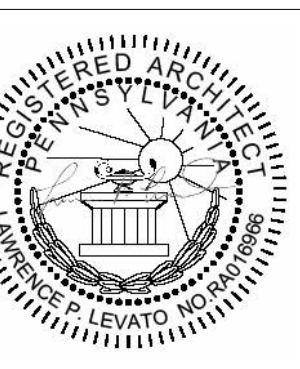
ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES IS NOT BE RESPONSIBLE FOR THE REPRODUCTION OF THIS MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES, INC. 2024

REVISIONS

NO.	DATE	NAME	DESCRIPTION OF CHANGES
2	7/29/2026		ADDENDUM #2

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS
TOWSON, MARYLAND
CHARLOTTEVILLE, VIRGINIA
WHITE SULPHUR SPRINGS, WEST VIRGINIA
401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
585 SOLANCO ROAD, QUARRYVILLE, PA 17566



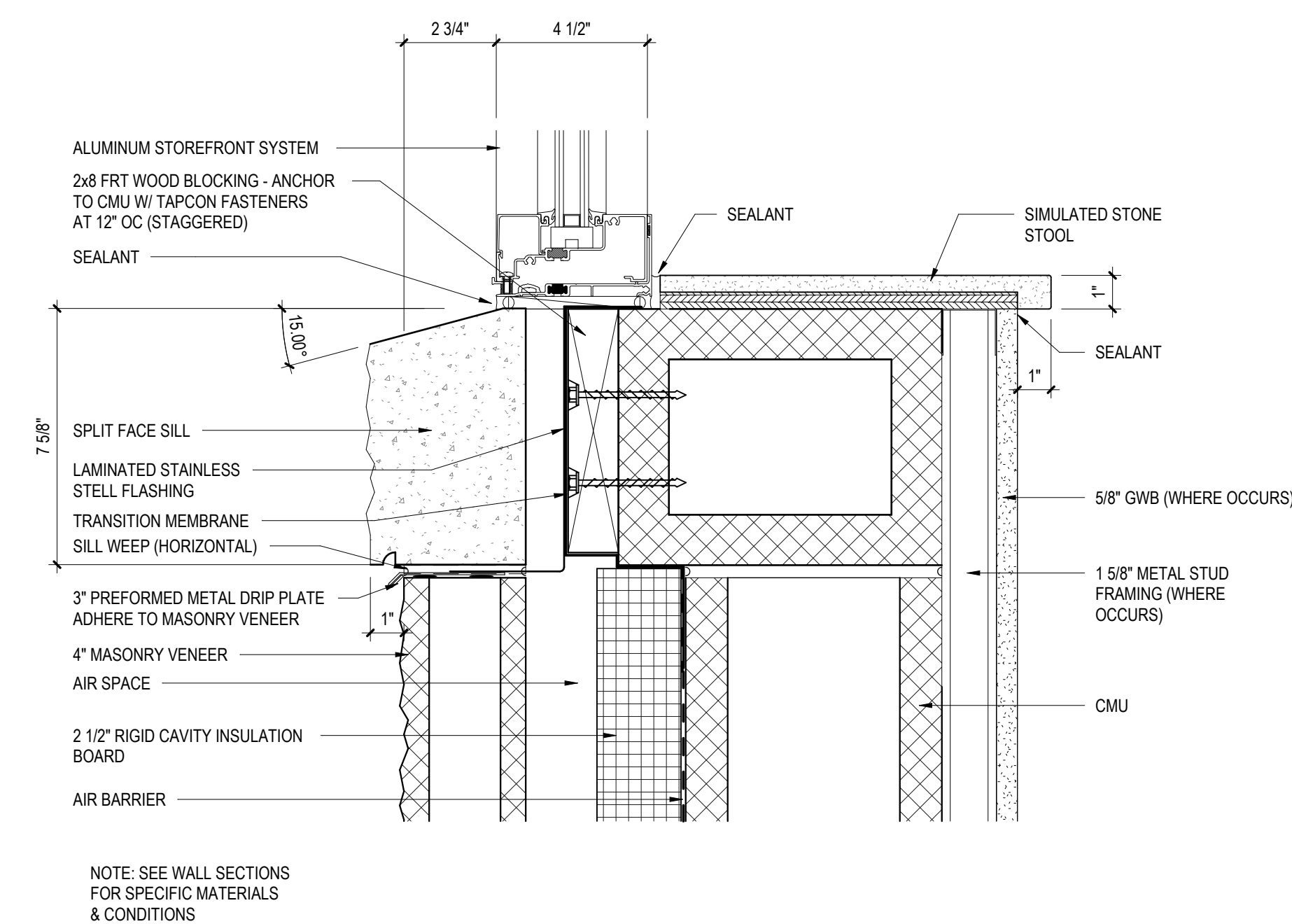
HOLLOW METAL FRAME
DETAILS
PLOT SCALE
1 1/2" = 1'-0"
FILENAME
DATE
JULY 8, 2026

PROJECT
3706
A6.5

NOTE: 1. ALL GLASS TO BE TEMPERED ADJACENT TO A DOOR WHERE THE NEAREST EXPOSED EDGE OF THE GLAZING IS WITHIN A 24 INCH ARC OR EITHER VERTICAL EDGE OF THE DOOR IN A CLOSED POSITION.
2. GLASS LITES GREATER THAN 9 SQUARE FEET WHERE THE BOTTOM EDGE IS WITHIN 18 INCHES OF THE FINISHED FLOOR AND THE TOP EDGE EXTENDS ABOVE 36 INCHES AFF SHALL BE TEMPERED.
3. GLASS WHERE THE FINISHED FLOOR OR GRADE ON THE OPPOSING SIDE OF GLASS IS GREATER THAN 30 INCHES SHALL BE TEMPERED TO A HEIGHT OF 42 INCHES AFF.
4. ANY PORTION OF GLASS WITHIN CONSTRAINTS OF ABOVE REQUIREMENTS THE ENTIRE PANEL SHALL BE TEMPERED.



NOTE: 1. CONCRETE MASONRY UNITS INDICATED ARE DIAGRAMATIC IN NATURE AND ARE NOT SPECIFIC TO ANY MANUFACTURER.
MASONRY CONTRACTOR SHALL INCORPORATE SHAPES AND OR CUT UNITS AS REQUIRED TO MEET DETAIL REQUIREMENTS
2. LINTELS INDICATED TO BE COORDINATED WITH STRUCTURAL DRAWINGS.



2x8 FRT WOOD BLOCKING - ANCHOR TO CMU W/ TAPCON FASTENERS AT 12" OC (STAGGERED)

METAL WALL PANEL

7/8" SUB-FRAMING MEMBER

NAIL-BASE INSULATION PANEL - 5/8" EXTERIOR GRADE FRT PLYWOOD SHEATHING OVER 3 1/2" RIGID INSULATION

WEATHER BARRIER

AIR BARRIER

6" CMU

15/8" METAL STUDS

5/8" GWB

TRANSITION MEMBRANE

METAL TRIM TO MATCH METAL PANEL

ALUMINUM STOREFRONT SYSTEM

BACKER ROD & SEALANT

5/8" GWB - ADHERE TO CMU

STOOL BELOW

4 1/2"

6 3/4"

6 ALUMINUM STOREFRONT SILL DETAIL

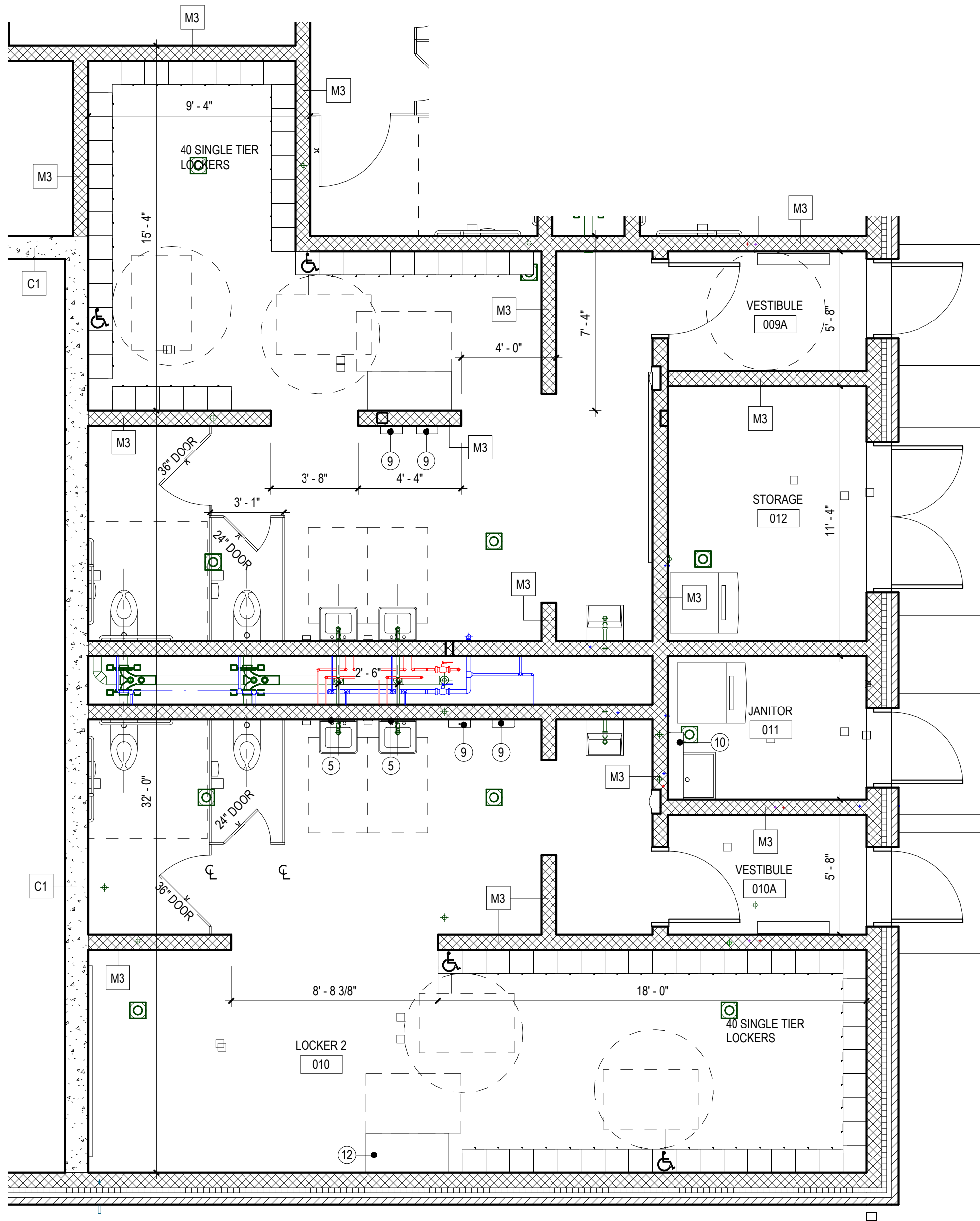
5 ALUMINUM STOREFRONT JAMB DETAIL
A6.6 3" = 1'-0"

CONFORMED SET			
ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRAMTREE, ROHRBAUGH & ASSOCIATES. CRAMTREE, ROHRBAUGH & ASSOCIATES RETAINS ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF CRAMTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION. © CRAMTREE, ROHRBAUGH & ASSOCIATES, INC 2024.			
REVISIONS			
	MM-DD-YR	NAME	DESCRIPTION OF CHANGES
2	7/29/2026		ADDENDUM #2

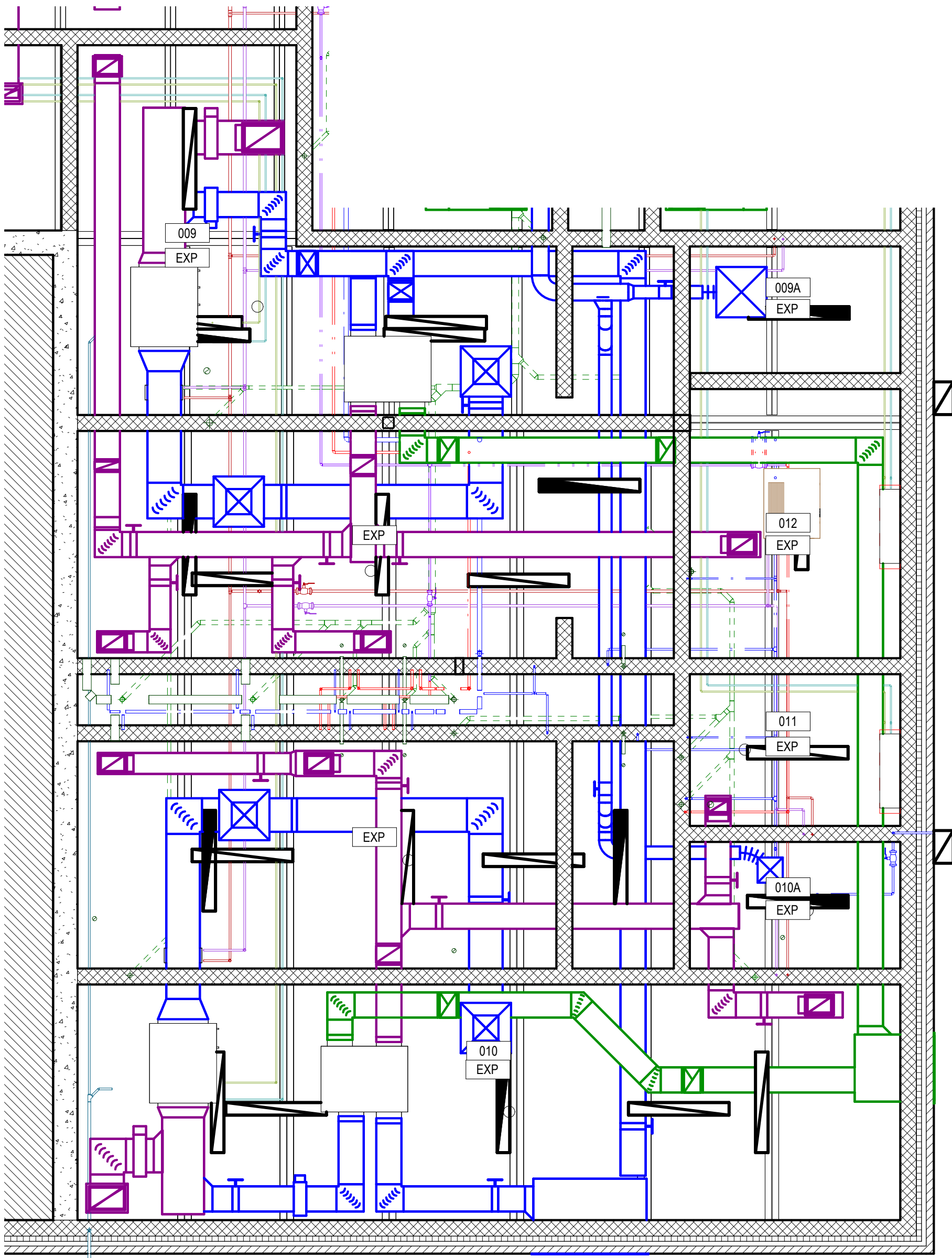
NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
585 SOLANCO ROAD, QUARRYVILLE, PA 17566

PROJECT
3706
A6.6

TOILET ACCESSORY SCHEDULE - ALTERNATE				
NO.	DESCRIPTION	MOUNTING	MANUFACTURER	MODEL
1	18" GRAB BAR (VERTICAL)	39" MIN - 41" MAX AFF TO BOTTOM OF GRAB BAR	BOBRICK	B-5806 x 18
2	36" GRAB BAR (HORIZONTAL)	33" MIN - 36" MAX AFF TO TOP OF GRIPPING SURFACE	BOBRICK	B-5806 x 36
3	42" GRAB BAR (HORIZONTAL)	33" MIN - 36" MAX AFF TO TOP OF GRIPPING SURFACE	BOBRICK	B-5806 x 42
4	SURFACE MOUNTED MULTI-ROLL TOILET TISSUE DISPENSER	TISSUE ACCESS @ 19" MIN AFF	BOBRICK	B-4288
5	MIRROR 18" x 30" w/ SS FRAME	40" AFF TO BOTTOM EDGE OF REFLECTING SURFACE	BOBRICK	B-165 (1830)
6	TOILET PARTITION w/ COAT HOOK & BUMPER	AS SPECIFIED	AS SPECIFIED	-
7	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL	15" MIN AFF	BOBRICK	B-270
8	SURFACE MOUNTED SOAP DISPENSER	PUSH BUTTON @ 44" MAX AFF	BOBRICK	B-2111
9	SURFACE MOUNTED PAPER TOWEL DISPENSER	48" MAX TO OUTLET OF DISPENSER	BOBRICK	B-2860
10	UTILITY SHELF W/ MOP & BROOM HOLDER & RAG HOOKS	72" AFF TO TOP SHELF	BOBRICK	B-239 x 34
11	SURFACE MOUNTED SS COAT HOOK	48" AFF TO TOP	BOBRICK	B-6827
12	ADA ACCESSIBLE BENCH (20"D x 42"W)	17 3/4" AFF TO TOP OF BENCH	AS SPECIFIED	-



1 LARGE SCALE LOCKER ROOM PLAN - GROUND FLOOR - ALTERNATE BID
A7.1
1/4" = 1'-0"



2 GROUND FLOOR REFLECTED CEILING PLAN - ALTERNATE BID
A7.1
1/4" = 1'-0"

CONFORMED SET

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES RESERVE THE RIGHT TO REPRODUCE AND OTHERWISE RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION. © CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

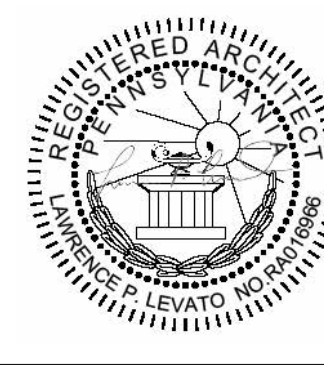
REVISIONS

NO.	DATE	DESCRIPTION OF CHANGES
3	8/4/2026	ADDENDUM #3

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS
401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272

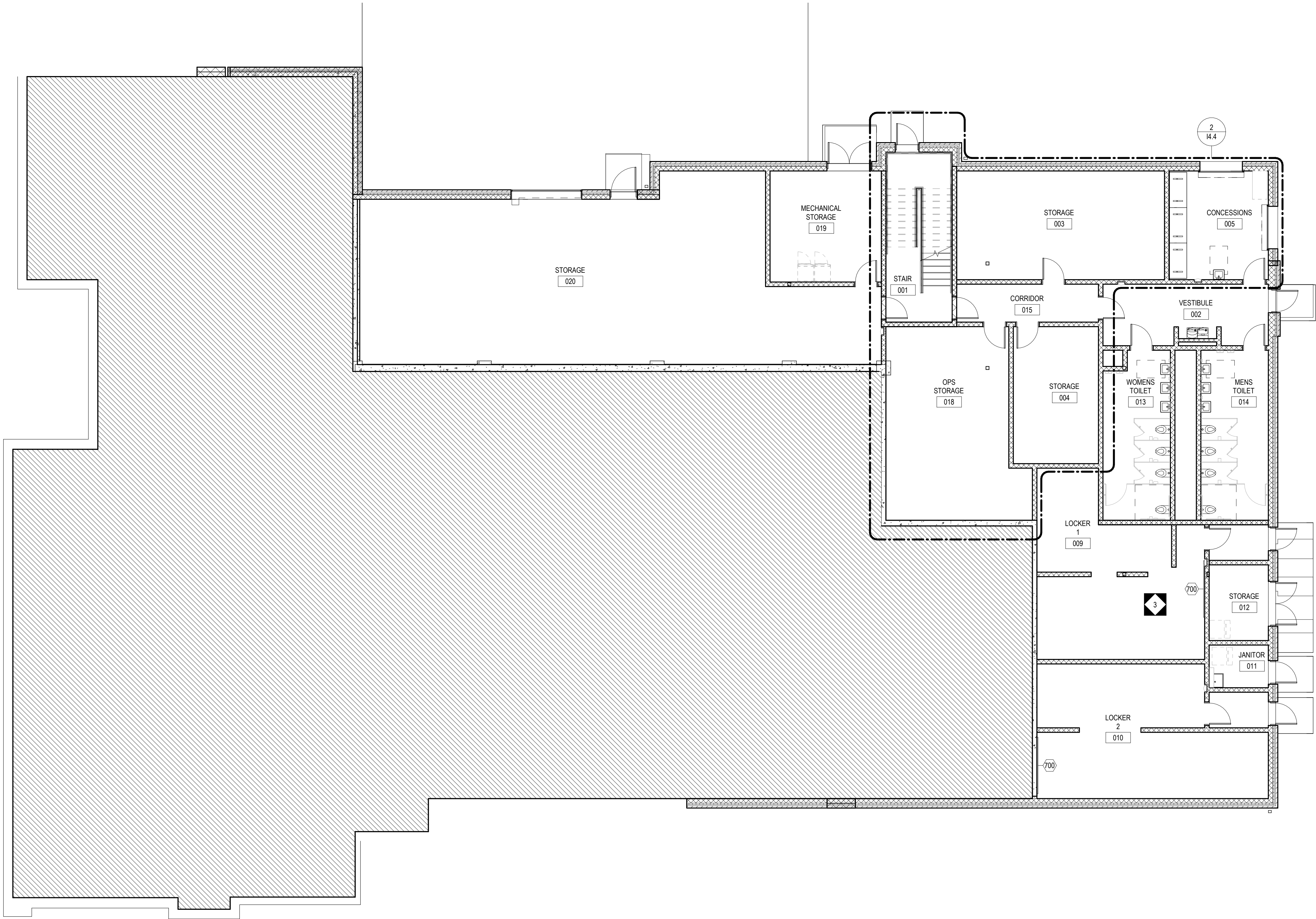
www.cra-architects.com
TOWSON, MARYLAND
CHARLOTTEVILLE, VIRGINIA
WHITE SULPHUR SPRINGS, WEST VIRGINIA

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
585 SOLANCO ROAD, QUARRYVILLE, PA 17566



ALTERNATE BIDS
PLOT SCALE:
1/4" = 1'-0"
FILENAME:
DATE:
JULY 8, 2026

PROJECT
3706
A7.1



1 OVERALL GROUND FLOOR PLAN
1/8" = 1'-0"

ADMINISTRATION MOUNTING HEIGHT SCHEDULE	
MARKER BOARD	3'-0" AFF TO BOTTOM EDGE
TACK BOARD	3'-0" AFF TO BOTTOM EDGE
BASE CABINETS	2'-10" AFF TO TOP OF CABINET
WALL CABINETS	7'-0" AFF TO TOP OF CABINET
INTERACTIVE MONITOR / TV	VERIFY BRACKET LOCATION/TYPE W/OWNER & PER BRACKET MANUFACTURER'S RECOMMENDATIONS PRIOR TO INSTALLATION OF ROUGH-INS

I4.1 - GENERAL CASEWORK AND EQUIPMENT SCHEDULE				
NO	DESCRIPTION	MANUFACTURER	MODEL	DIMENSIONS
700	MARKERBOARD (ALTERNATE)	REFER TO SPECIFICATIONS	REFER TO SPECIFICATIONS	8'-0"W x 4'-0"H

GENERAL NOTES TO APPLY TO ALL I4 DRAWINGS

1. MOUNTING HEIGHT SCHEDULE IS APPLICABLE TO MOST ROOMS. IN INSTANCE WHERE NOTE/DETAILS ON DRAWINGS DO NOT COINCIDE WITH THE SCHEDULE, THE DRAWINGS TAKE PRECEDENCE.

2. ALL BASE CABINETS SHALL RECEIVE A CONTINUOUS 1-1/4" THICK LAMINATE COUNTERTOP WITH A 4"H BACKSPLASH UNLESS NOTED OTHERWISE. THE DEPTH OF THE COUNTERTOP SHALL EXTEND 3/4" PAST THE DEPTH OF THE BASE CABINET.

3. COUNTERTOPS THAT RETURN INTO A WALL(S) SHALL RECEIVE BACKSPLASH THAT WRAPS CORNER ALONG WALL(S).

4. PROVIDE CHAMFERED EDGE CORNER FOR ALL COUNTERTOPS ADJACENT TO TALL STORAGE UNITS.

5. WHERE COLUMNS, WINDOWS OR OTHER BUILDING COMPONENTS CONFLICT WITH CASEWORK DIMENSIONAL REQUIREMENTS, FIELD VERIFY DIMENSIONS AND PROVIDE CUSTOM UNIT TO ALLOW PROPER FITTING.

6. ALL EXPOSED ENDS OF CASEWORK SHALL RECEIVE FINISHED END PANELS.

7. LAMINATE COLOR FOR INTERIOR OF OPEN CABINETS SHALL MATCH EXTERIOR LAMINATE COLOR.

8. STAINLESS STEEL SINKS, FAUCETS, AND BUBBLERS SHALL BE PROVIDED AND INSTALLED BY PLUMBING CONTRACTOR, UNLESS NOTED OTHERWISE.
9. NOT USED.

10. WHEN DESCRIPTION AND MODEL NUMBER IN CASEWORK AND EQUIPMENT SCHEDULE CONFLICT, THE DESCRIPTION TAKES PRECEDENCE.

11. ALL VISUAL DISPLAY AREAS (MARKER BOARDS AND/OR TACK BOARDS) 10'-0"W OR LONGER SHALL RECEIVE 2"H MAP RAIL THAT SPANS FROM VERTICAL EDGE TO VERTICAL EDGE.

12. PROVIDE WOOD BLOCKING IN METAL STUD WALLS, PER MANUFACTURER'S RECOMMENDATIONS, TO RECEIVE THE TELEVISION/INTERACTIVE MONITOR WALL BRACKET.

13. IN ROOMS RECEIVING RESILIENT BASE, ADHERE TO ALL WALLS, BASE CABINET TOE KICKS, AND EXPOSED END PANELS. REFER TO SPECIFICATIONS FOR LOCATION OF 4" AND 6" BASE.

14. SEE REFLECTED CEILING PLANS FOR LOCATION OF WINDOW TREATMENTS.

15. TELEPHONE UNITS AND SYSTEMS ARE NOT IN CONTRACT.

16. COORDINATE ALL LARGE SCALE PLANS WITH MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.

17. NIC = NOT IN CONTRACT

18. OPP = OPPOSITE HAND.

CONFORMED SET

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES RE TANK ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION. © CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

REVISIONS

NO	DATE	NAME	DESCRIPTION OF CHANGES
3	08/04/2026		ADDENDUM #3

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS
401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272

TOWSON, MARYLAND
www.cra-architects.com

CHARLOTTEVILLE, VIRGINIA

WHITE SULPHUR SPRINGS, WEST VIRGINIA

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
585 SOLANCO ROAD, QUARRYVILLE, PA 17566



OVERALL GROUND FLOOR
PLAN - CASEWORK +
EQUIPMENT

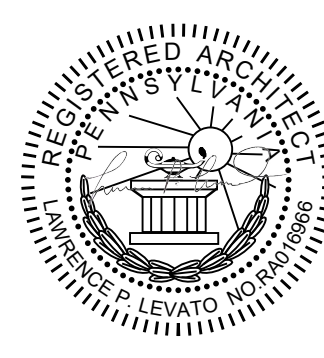
PLOT SCALE:

1/8" = 1'-0"

FILENAME:

DATE:

JULY 8, 2026



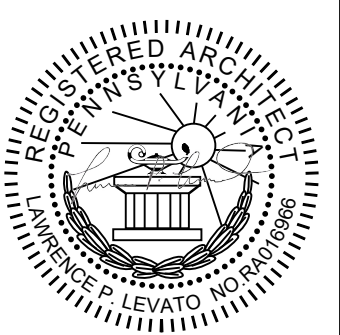
PROJECT
3706

I4.1

[illegible]

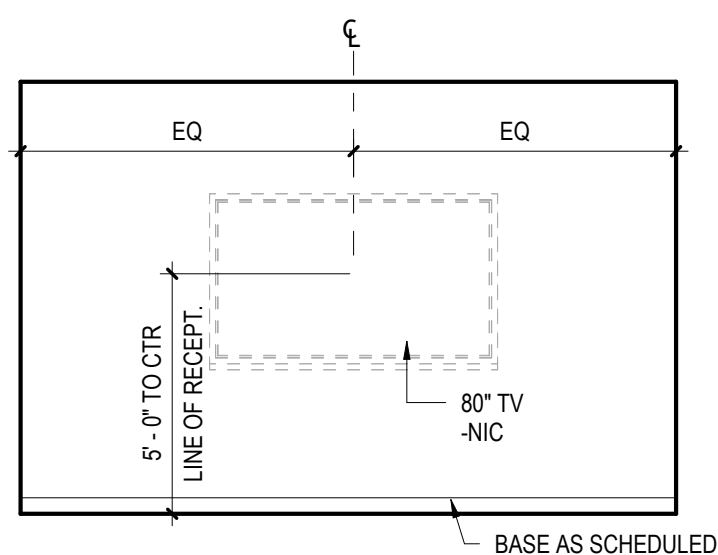
WHITE SULPHUR SPRINGS, WEST VIRGINIA

DISTRICT ADMINISTRATION
THE SOLANCO SCHOOL DISTRICT
585 SOLANCO ROAD, QUARRYVILLE, PA 17566



DATE: JULY 8, 2026

I4.2

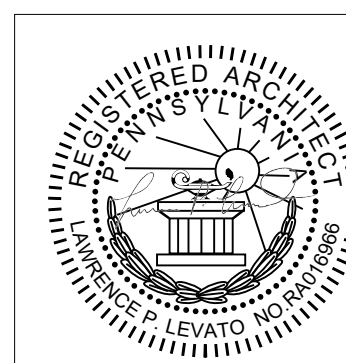


A INTERIOR ELEVATION A
14.2 1/4" = 1'-0"

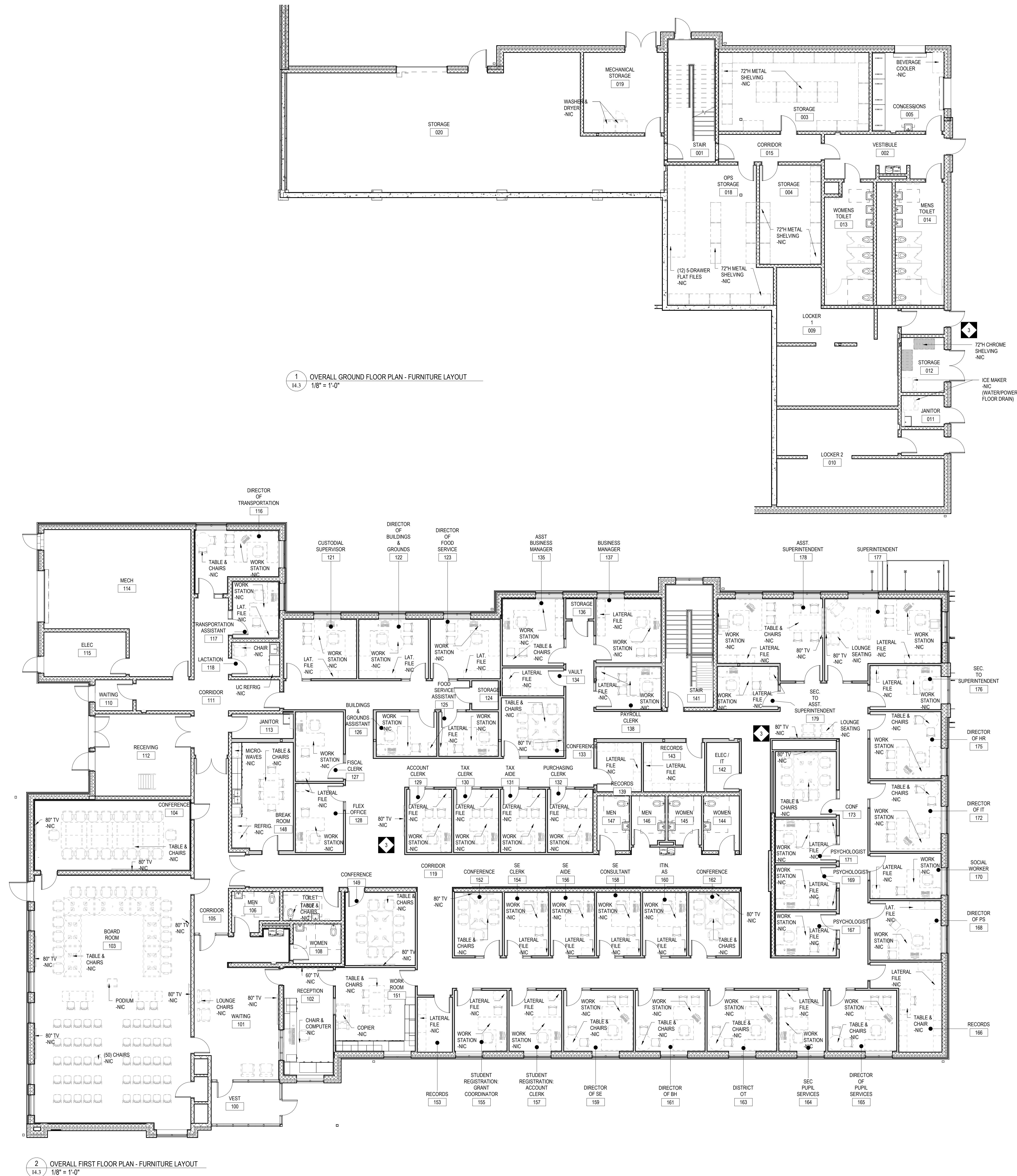
ADMINISTRATION MOUNTING HEIGHT SCHEDULE	
MARKER BOARD	3'-0" AFF TO BOTTOM EDGE
TACK BOARD	3'-0" AFF TO BOTTOM EDGE
BASE CABINETS	2'-10" AFF TO TOP OF CABINET
WALL CABINETS	7'-0" AFF TO TOP OF CABINET
INTERACTIVE MONITOR / TV	VERIFY BRACKET LOCATION/TYPE W/OWNER & PER CABINET MANUFACTURER'S RECOMMENDATIONS PRIOR TO INSTALLATION OF ROUGH-INS

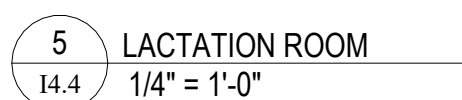
[illegible]

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
585 SOLANCO ROAD, QUARRYVILLE, PA 17566



PROJECT
3706
I4.3





I4.4

I4.5

[illegible]

www.cra-architects.com

TOWSON, MARYLAND

WHITE SULPHUR SPRINGS, WEST VIRGINIA

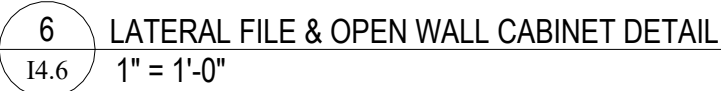
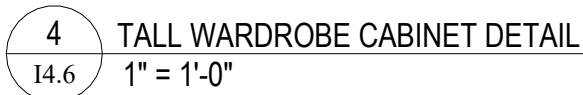
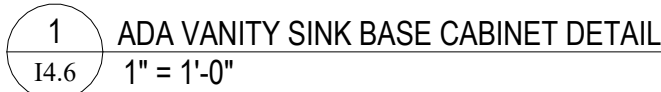
NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
585 SOLANCO ROAD, QUARRYVILLE, PA 17566



PROJECT
3706

I4.6

11.0



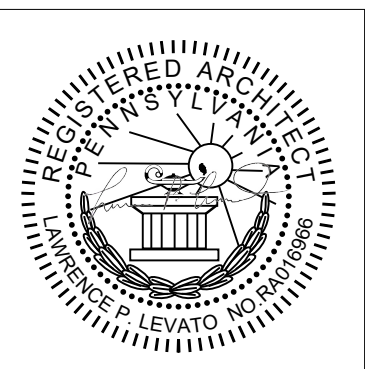
[illegible]

www.cra-architects.com

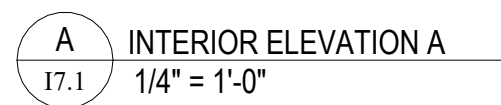
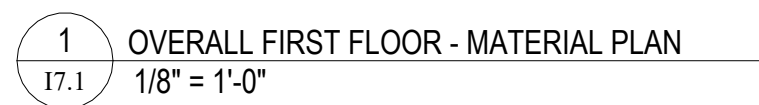
TOWSON, MARYLAND

WHITE SULPHUR SPRINGS, WEST VIRGINIA

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
585 SOLANCO ROAD, QUARRYVILLE, PA 17566



PROJECT
3706
I7.1



1. DRAWINGS ARE FOR CLARIFICATION OF MATERIAL LOCATIONS. REFER TO ROOM FINISH SCHEDULE, INTERIOR AND ARCHITECTURAL ELEVATIONS/ PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

- = GROUND-FACE CMU
- = TEXTILE WALL COVERING
- = PAINTED ACCENT WALL
- = PAINTED ACCENT BULKHEAD
- = TILE
- = VINYL GRAPHIC

GENERAL

- STRUCTURAL NOTES ARE NOT INTENDED TO REPLACE SPECIFICATIONS. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. FOR INCONSISTENCIES STANDARD PRACTICE, THE STRUCTER REQUIREMENT SHALL APPLY, AND THE ENGINEER SHALL BE NOTIFIED PRIOR TO PROCEEDING WITH THE AFFECTED PORTION OF THE WORK.
- STRUCTURAL CONSTRUCTION DOCUMENTS SHALL BE USED WITH OTHER CONSTRUCTION DOCUMENTS, INCLUDING ARCHITECTURAL, MEP, AND SITE DOCUMENTS. COORDINATE WITH THESE DOCUMENTS FOR LOCATIONS AND DIMENSIONS OF OPENINGS, CHASES, INSERTS, REGLETS, SLEEVES, DEPRESSIONS, ETC., NOT INDICATED ON THE STRUCTURAL DOCUMENTS. ALL DIMENSIONS AND CONDITIONS, EXISTING OR NEW, SHALL BE FIELD VERIFIED. THE ENGINEER SHALL BE NOTIFIED OF DISCREPANCIES PRIOR TO PROCEEDING WITH THE AFFECTED PORTION OF WORK.
- THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE TO INSURE STABILITY AND SAFETY DURING CONSTRUCTION. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF SHEETING, SHORING, TEMPORARY BRACING, GUYS, AND TIEDOWNS. THE CONTRACTOR SHALL PROVIDE SHORING AND BRACING NECESSARY TO PROTECT EXISTING AND ADJACENT STRUCTURES.
- SECTIONS AND DETAILS SHOWN ON ANY STRUCTURAL DOCUMENTS SHALL BE CONSIDERED TYPICAL FOR SIMILAR CONDITIONS THAT DO NOT HAVE A SPECIFIC SECTION INDICATED, AND SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
- APPLICABLE FEDERAL, STATE AND MUNICIPAL REGULATIONS SHALL BE FOLLOWED, INCLUDING THE FEDERAL DEPARTMENT OF LABOR OSHA.
- THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED ON THE STRUCTURE. CONSTRUCTION LOADS SHALL NOT EXCEED THE SPECIFIED DESIGN LIVE LOADS. CONCRETE SLABS AND TOPPING SHALL NOT BE LOADED UNTIL THE CONCRETE HAS REACHED AT LEAST 75% OF THE SPECIFIED DESIGN COMPRESSIVE STRENGTH.
- THE CONTRACTORS CONSTRUCTION SEQUENCES SHALL ALLOW FOR THE EFFECTS OF THERMAL MOVEMENTS DURING THE CONSTRUCTION PERIOD. PRIOR TO THE BUILDING BEING ENCLOSED AND TEMPERATURE CONTROLLED, NEGATIVE EFFECTS OF SUCH THERMAL MOVEMENTS, SUCH AS MATERIAL CRACKING, FROST HEAVE, ETC., SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- IN THE ABSENCE OF SPECIFIC INSTRUCTIONS TO THE CONTRARY IN THE CONTRACT DOCUMENTS, THE TRADE PRACTICES THAT ARE DEFINED IN ANY CODE OF STANDARD PRACTICE SHALL GOVERN.
- DO NOT SCALE DRAWINGS TO DETERMINE DIMENSIONS, LOCATIONS, OR SIZES OF ANY ELEMENT.

STRUCTURAL DESIGN CRITERIA

- DESIGN LOADS ARE IN ACCORDANCE WITH THE 2018 EDITION OF THE INTERNATIONAL BUILDING CODE (IBC) INCLUDING LOCAL CODES, WHERE APPLICABLE, AND THE FOLLOWING STANDARDS REFERENCED IN IBC 2018:
ACI 318 - BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
ACI 530 - BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES
ACI 530.1 - SPECIFICATIONS FOR MASONRY STRUCTURES
AISC 360 - SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS
ASCE 7 - MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
- IBC BUILDING RISK CATEGORY: II
- LIVE LOADS ARE AS FOLLOWS. LIVE LOAD REDUCTIONS HAVE BEEN TAKEN WHERE APPLICABLE, UNO.
ROOF LIVE LOAD 20 PSF
ASSEMBLY AREAS 100 PSF
CORRIDORS 100 PSF
LOBBIES 100 PSF
MECHANICAL ROOMS 150 PSF
STAIRS 100 PSF
OFFICE 50 PSF (+20 PSF PARTITION)
- SNOW LOADING IS BASED ON THE FOLLOWING. DRIFTING AND SLIDING SNOW LOADS HAVE BEEN CONSIDERED WHERE APPROPRIATE:
RAIN ON SNOW SURCHARGE NA (Pg > 20 PSF)
GROUND SNOW LOAD Pg 30 PSF
FLAT ROOF SNOW LOAD 21 PSF
SNOW EXPOSURE FACTOR, Ce 1.0
SNOW THERMAL FACTOR, Ct 1.0
SNOW LOAD IMPORTANCE FACTOR, I 1.0
DESIGN SNOW LOAD 30 PSF
- WIND LOADING IS BASED ON THE FOLLOWING:
BASIC WIND SPEED (3 SEC GUST) 113 MPH
EXPOSURE CATEGORY C
BUILDING CATEGORY: SIMPLE DIAPHRAGM, LOW-RISE, ENCLOSED, RIGID
INTERNAL PRESSURE COEFF. ±0.18

	10 SF	20 SF	50 SF	100 SF	500 SF
WALLS	33.2, -36.0	31.7, -34.5	29.7, -32.5	28.2, -31.0	24.7, -27.6
WALL CORNERS	33.2, -44.4	31.7, -41.4	29.7, -37.5	28.2, -34.5	24.7, -27.6
ROOF ZONE 1 (7 TO 45)	16.3, -41.6	16.0, -39.9	16.0, -37.7	16.0, -36.0	16.0, -36.0
ROOF ZONE 2 (7 TO 45)	16.3, -50.0	16.0, -46.7	16.0, -42.2	16.0, -39.8	16.0, -38.8
ROOF ZONE 3 (7 TO 45)	16.3, -66.6	16.0, -79.0	16.0, -68.9	16.0, -61.3	16.0, -61.3

- SEISMIC LOADING IS BASED ON THE FOLLOWING:
SEISMIC IMPORTANCE FACTOR 1.0
SEISMIC SITE CLASS D
SPECTRAL RESPONSE COEFF. (Ss) 0.273g
SPECTRAL RESPONSE COEFF. (S1) 0.060g
SPECTRAL RESPONSE COEFF. (S2) 0.280g
SPECTRAL RESPONSE COEFF. (S3) 0.273g
LONG PERIOD TRANSITION (Tu) 6
SEISMIC DESIGN CATEGORY ANALYSIS PROCEDURE
BASIC STRUCTURAL SYSTEM BEARING WALL # BUILDING FRAME
SEISMIC FORCE RESISTING SYSTEM STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE # INTERMEDIATE
REINFORCED MASONRY SHEARWALLS
- LATERAL EARTH PRESSURES ON RETAINING AND BASEMENT WALLS ARE BASED ON THE FOLLOWING:
EQUIVALENT AT-REST FLUID PRESSURE (BASEMENT) 37.2 PSF
EQUIVALENT ACTIVE FLUID PRESSURE (CANTILEVERED) 56.4 PSF
EQUIVALENT PASSIVE FLUID PRESSURE 390 PSF
COEFFICIENT OF FRICTION 0.35
COHESION NA
- DESIGN REACTIONS AND SUPPORT DETAILS FOR ELEVATOR, ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT ARE BASED UPON AVAILABLE MANUFACTURER INFORMATION. SUPPORT CONDITIONS MAY NEED TO BE REVISED BASED UPON ACTUAL SUPPLIED EQUIPMENT AND SUPPORT DETAILS
- ROOF TRUSSES SHALL BE DESIGNED FOR THE FOLLOWING SUPERIMPOSED LOADS:
TOP CHORD BOTTOM CHORD
DEAD = 15 PSF DEAD = 10 PSF
LIVE = 30 PSF LIVE = 10 PSF (TY)
SNOW = PER CODE
WIND = PER CODE
GABLE END TRUSSES SHALL BE DESIGNED FOR WIND LOAD PERPENDICULAR TO THE PLANE OF THE TRUSS. FOR GABLE END TRUSSES BACKING UP MASONRY VENEER, PROVIDE VERTICAL WEB MEMBERS AT 16" O.C. AND UNIT OUT-OF-PLANE DEFLECTIONS TO 1/400". DESIGN, DETAIL, AND PROVIDE ALL TEMPORARY AND PERMANENT BRACING FOR THE TRUSS SYSTEM.

IBC SPECIAL INSPECTIONS

- STRUCTURAL TESTS AND SPECIAL INSPECTIONS ARE REQUIRED BY THE INTERNATIONAL BUILDING CODE AND SHALL BE PERFORMED ON THIS PROJECT IN ACCORDANCE WITH REQUIREMENTS OF IBC CHAPTER 17, "STRUCTURAL TESTS AND SPECIAL INSPECTIONS."
- AS REQUIRED BY IBC, THE STRUCTURAL TESTS AND SPECIAL INSPECTIONS SHALL BE PERFORMED BY AN INDEPENDENT, APPROVED AGENCY, EMPLOYED BY THE OWNER.
- COPIES OF ALL REPORTS DOCUMENTING THE SPECIAL INSPECTIONS AND TESTS PERFORMED BY THE INSPECTING AGENCY SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER OF RECORD (BAKER, INGRAM & ASSOCIATES).
- SPECIAL INSPECTIONS SHALL INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
FABRICATOR INSPECTION: WHERE FABRICATION OF LOAD-BEARING MEMBERS AND ASSEMBLIES (SUCH AS STRUCTURAL STEEL, LIGHT-GAGE STEEL TRUSSES, ETC.) IS PERFORMED ON THE PREMISES OF A FABRICATORS SHOP, SPECIAL INSPECTION SHALL BE PROVIDED TO VERIFY FABRICATION AND QUALITY CONTROL PROCEDURES, IN ACCORDANCE WITH IBC SECTION 1704.2.5.
CONCRETE CONSTRUCTION: SPECIAL INSPECTIONS AND VERIFICATIONS SHALL CONFORM TO IBC SECTION 1705.3 AND TABLE 1705.3 "REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION."
MASONRY CONSTRUCTION: SPECIAL INSPECTIONS AND EVALUATION SHALL CONFORM TO IBC SECTION 1705.4.
STEEL CONSTRUCTION: SPECIAL INSPECTIONS SHALL CONFORM TO IBC SECTION 1705.2, AISC 360-10, SDI QAOQC AND TABLE 1705.2.3 "REQUIRED SPECIAL INSPECTIONS OF OPEN-WEB STEEL JOISTS AND JOIST GIRDERS." STEEL CONSTRUCTION INCLUDES STRUCTURAL STEEL, STEEL JOISTS, STEEL FLOOR, ROOF DECK, AND COLD-FORMED STEEL FRAMING.
SOLBS: SPECIAL INSPECTIONS AND EVALUATION SHALL CONFORM TO IBC SECTION 1705.6 AND TABLE 1705.6 "REQUIRED SPECIAL INSPECTIONS AND TESTS OF SOLB."

TYPICAL DETAILS

- TYPICAL DETAILS APPLY AT ALL APPROPRIATE LOCATIONS.
- TYPICAL DETAILS ARE GENERALLY NOT OUT ON THE PLANS.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL TYPICAL DETAIL APPLICATIONS.

SUBMITTALS

- THE APPLICABLE CONTRACTOR SHALL SUBMIT THE FOLLOWING FOR APPROVAL:
CONCRETE MIX DESIGNS FOR EACH STRENGTH INDICATED
CONCRETE REINFORCING SHOP DRAWINGS, INCLUDING ELEVATIONS OF ALL WALLS
STRUCTURAL STEEL SHOP DRAWINGS W/ P.E. SEALED CONNECTION CALCULATIONS
MASONRY REINFORCING SHOP DRAWINGS, INCLUDING ELEVATIONS OF ALL WALLS
MASONRY GROUT AND MORTAR MIX DESIGNS
PRODUCT DATA # MILL TEST FOR EACH APPLICABLE PRODUCT
COLD FORMED TRUSS SHOP DRAWINGS W/ P.E. SEALED CALCULATIONS
STEEL JOIST SHOP DRAWINGS
METAL DECK SHOP DRAWINGS
COLD FORMED FRAMING SHOP DRAWINGS # CALCULATIONS W/ P.E. SEAL
STEEL STAIR FRAMING SHOP DRAWINGS # CALCUS W/ P.E. SEAL

FOUNDATIONS

- FOUNDATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEERS REPORT PREPARED BY BARRY ISETT & ASSOCIATES, ALLENTOWN, PA.
- SPREAD FOOTINGS SHALL BEAR ON UNDISTURBED SOIL OR COMPACTED STRUCTURAL FILL HAVING A MINIMUM SAFE BEARING CAPACITY OF 2.5 KSF.
- THE BOTTOMS OF EXTERIOR FOOTINGS SHALL BE 36" MINIMUM BELOW FINISH GRADE.
- EDGES OF FOOTINGS SHALL NOT BE PLACED AT A GREATER THAN 1 (VERTICAL) TO 2 (HORIZONTAL) SLOPE WITH RESPECT TO ANY ADJACENT FOOTING OR EXCAVATION.
- ADJACENT COLUMN FOOTINGS THAT ADUT SHALL BE SEPARATED BY A PAPER JOINT.
- FOUNDATION CONCRETE SHALL BE NORMAL WEIGHT HAVING A MINIMUM 28 DAY DESIGN COMPRESSIVE STRENGTH AS FOLLOWS:
SPREAD FOOTINGS 4000 PSI
WALLS & PIERS 4000 PSI
SLAB-ON-GRADE (INTERIOR) 3500 PSI
SLAB-ON-GRADE (EXTERIOR) 5000 PSI (0.40 WIC MAX, F3 EXPOSURE CLASS)
- PROVIDE AIR-ENTRAINMENT IN ALL CONCRETE EXPOSED TO FREEZE-THAW CONDITIONS DURING THE CONSTRUCTION PRIOR ANDOR IN THE COMPLETED STRUCTURE.
- VERTICAL CRACK CONTROL/CONSTRUCTION JOINTS IN CONCRETE WALL SHALL BE PROVIDED AT 25 FT. O.C. MAX.

FOUNDATION SUBGRADE PREPARATION REQUIREMENTS

- A GEOTECHNICAL ENGINEER, LICENSED IN THE JURISDICTION WHERE THE PROJECT IS LOCATED, SHALL OBSERVE, REVIEW, AND APPROVE ALL WORK RELATED TO EXCAVATION, BACKFILL, COMPACTION, SUBGRADE AND SUBBASE PREPARATION AND MATERIAL SELECTION.
- THE BUILDING SITE SHALL BE STRIPPED OF ANY TOPSOIL, ORGANIC MATTER, VEGETATION, FILL MATERIALS, AND OTHERWISE UNSUITABLE OR SOFT SUBGRADE MATERIALS.
- UNSUITABLE MATERIALS SHALL BE EXCAVATED DOWN TO RESIDUAL SOIL ELEVATIONS.
- SOIL BEARING ELEVATIONS SHALL BE VERIFIED BY THE GEOTECHNICAL ENGINEER PRIOR TO BACKFILLING EXCAVATIONS OR CONSTRUCTING FOUNDATIONS.
- WHERE ROCK IS ENCOUNTERED WITHIN 12 INCHES OF FOUNDATION BEARING ELEVATION (SUBGRADE SHALL BE PROBED TO DETERMINE THIS), UNDERCUT ROCK BY 12 INCHES MIN. BELOW BEARING ELEVATION AND REPLACE WITH COMPACTED STRUCTURAL FILL.
- AT SLAB-ON-GRADE AREAS, FOLLOWING STRIPPING, THE SUBGRADES SHALL BE PROOFROLLED WITH A LOADED TANDEM AXLE DUMP TRUCK OR TEN-TON ROLLER UNDER OBSERVATION OF THE GEOTECHNICAL ENGINEER. AREAS WHICH EXHIBIT EXCESSIVE PUMPING OR WEAVING, AS DETERMINED BY THE GEOTECHNICAL ENGINEER, SHALL BE REMOVED AND REPLACED WITH NEW COMPACTED STRUCTURAL FILL.
- COMPACTED FILL SHALL BE USED TO RAISE EXISTING GRADES TO THE PROPOSED NEW ELEVATION WHERE REQUIRED.
- UNDER-SLAB DRAINS, CONSISTING OF A 4 INCH WASHED GRAVEL OR CRUSHED STONE DRAINAGE LAYER (CORRESPONDING TO PA DOT 2B), SHALL BE USED BENEATH THE CONCRETE SLAB-ON-GRADE.

STRUCTURAL NOTES:

CONCRETE REINFORCING

- REINFORCED CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 318.
- CONCRETE REINFORCING SHALL CONFORM TO THE FOLLOWING DESIGNATIONS:
DEFORMED BARS ASTM A615, GRADE 60
WELDED WIRE FABRIC ASTM A1064
- LAP DEFORMED BARS 40 DIA. U.N.O. PROVIDE CORNER AND L BARS AT CORNERS AND INTERSECTIONS. REINFORCING INDICATED AS CONTINUOUS SHALL BE LAPPED. HOOKS SHALL BE STANDARD HOOKS, UNO. LAP WELDED WIRE FABRIC SUCH THAT THE OVERLAP OF THE OUTERMOST CROSS-WIRES OF EACH ADJOINING SHEET IS NOT LESS THAN THE SPACING OF THE CROSS-WIRES PLUS TWO IN., U.N.O.
- PROVIDE CONTINUOUS REINFORCEMENT WHEREVER POSSIBLE; SPLICE ONLY AS SHOWN OR APPROVED. STAGGER SPLICES WHERE POSSIBLE. USE TENSION SPLICE CLASS "B" U.N.O. DOWELS SHALL MATCH THE SIZE AND SPACING OF THE SPECIFIED REINFORCEMENT AND SHALL BE LAPPED WITH TENSION SPLICES.
- CONCRETE PROTECTION FOR REINFORCEMENT:
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3 IN.
CONCRETE EXPOSED TO EARTH OR WEATHER: 2 IN.
#6 THROUGH #18 BARS 1 1/2 IN.
#5 BAR OR SMALLER 1 1/2 IN.
CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND: SLABS, WALLS, JOISTS: 1 1/2" #14 AND #18 BARS 3/4" #11 AND SMALLER 1 1/2"
- REINFORCING FOR SLABS ON GRADE, WHERE NOT OTHERWISE SPECIFIED, SHALL BE AS FOLLOWS:
REINFORCING BARS: SEE FOUNDATION AND TYPICAL DETAILS. AT SLAB BLOCKOUT AND RE-ENTRANT CORNERS, PROVIDE 2#4 X 4'-0" DIAGONALS.
G&G W2.9XW2.9 WWF. REINFORCING SHALL BE SUPPORTED PRIOR TO THE POUR AT MID-DEPTH OF SLAB.
WIRE MESH: PERILATED POLYPROPYLENE, IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
SYNTHETIC FIBER:
- REINFORCING FOR CONCRETE TOPPING, WHERE NOT OTHERWISE SPECIFIED, SHALL BE AS FOLLOWS:
REINFORCING BARS: SEE FRAMING AND TYPICAL DETAILS. AT OPENINGS AND RE-ENTRANT CORNERS, PROVIDE 2#4 X 4'-0" DIAGONALS.
G&G W2.9XW2.9 WWF. REINFORCING SHALL BE SUPPORTED 1" BELOW THE TOP OF SLAB PRIOR TO THE POUR.
WIRE MESH:
- DETAILING OF CONCRETE REINFORCING AND ACCESSORIES SHALL CONFORM TO ACI DETAILING MANUAL MNL-66, AND WITH ACI 315, MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCING CONCRETE STRUCTURES.

CONCRETE SLABS ON GRADE

- GEOTECHNICAL ENGINEER SHALL OBSERVE AND APPROVE SUBGRADE BEFORE CONCRETE PLACEMENT.
- DO NOT PLACE CONCRETE SLABS ON FROZEN GROUND.
- CONTROL JOINTS ARE REQUIRED IN CONCRETE SLABS-ON-GRADE. REFER TO PLANS AND TYPICAL DETAILS FOR THE JOINT CONSTRUCTION, LOCATIONS, AND SPACING REQUIREMENTS.
- PROVIDE (2) #4 X 4'-0" LONG BARS DIAGONALLY AT ALL RE-ENTRANT CORNERS.
- COORDINATE LOCATION AND DIMENSIONS OF RECESSED SLABS.

CONCRETE SLABS ON METAL DECK

- CONCRETE SLABS ON METAL DECK SHALL BE NORMAL WEIGHT WITH A MINIMUM 28 DAY DESIGN COMPRESSIVE STRENGTH OF 3,500 PSI.
- CONCRETE SLABS ON METAL DECK SHALL BE FINISHED LEVEL, UNO, MAINTAINING SPECIFIED MINIMUM SLAB THICKNESS. CONTRACTOR SHALL ALLOW FOR ADDITIONAL CONCRETE OVER THE SPECIFIED MINIMUM TO ACCOUNT FOR METAL DECK AND STRUCTURE DEFLECTIONS.
- CONCRETE SLAB-ON-DECK CONSTRUCTION JOINT (CJ) LOCATION GUIDELINES:
A. DO NOT LOCATE CJ ON BEAM OR GIRDER CENTERLINES.
B. CJ PARALLEL TO FILLER BEAM: LOCATE MIDWAY BETWEEN ADJACENT FILLER BEAMS.
C. CJ PARALLEL TO GIRDER: LOCATE 1/4 TO 1/3 THE DISTANCE TO ADJACENT GIRDER.
D. CJ PERPENDICULAR TO BEAMS AND GIRDERS: LOCATE AT 1/4 TO 1/3 THE MEMBER SPAN FROM BEAM OR GIRDER END.

CONCRETE MASONRY

- CONCRETE MASONRY CONSTRUCTION SHALL CONFORM TO ACI 530 AND 530.1.
- MINIMUM COMPRESSIVE STRENGTH OF CONCRETE MASONRY, Pn SHALL BE 1500 PSI. (MIN. NET AREA COMPRESSIVE STRENGTH OF UNIT = 2000 PSI)
- CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90.
- CONCRETE MASONRY REINFORCING SHALL BE DEFORMED BARS CONFORMING TO ASTM A615, GRADE 60.
- DEFORMED BARS AND ANCHORS (DBA) SHALL CONFORM TO ASTM A496. DBA SHALL BE WEAVED BY AUTOMATIC EQUIPMENT.
- GROUT SHALL CONFORM TO THE PROPORTIONAL REQUIREMENTS OF ASTM C476. PROVIDE FINE AND COARSE GROUTS APPROPRIATE FOR THE SIZE OF VOID SPACE BEING FILLED. GROUT SHALL HAVE A MINIMUM SLUMP OF 8 INCHES ACHIEVED THROUGH SUFFICIENT WATER CONTENT. WATER REDUCING AND OTHER ADMIXTURES ARE NOT PERMITTED IN GROUT.
- GROUT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.
- MORTAR SHALL CONFORM TO ASTM C270, TYPE M OR S, PCL OR MORTAR CEMENT. THE USE OF MASONRY CEMENT IS NOT PERMITTED.
- REINFORCING VOIDS, AND NON-REINFORCING VOIDS SPECIFIED TO BE GROUTED, IN CONCRETE MASONRY SHALL BE FILLED SOILD WITH GROUT IN 5 FT. MAXIMUM LIFTS. STOP POURS 1 1/2 INCHES BELOW THE BED JOINT TO FORM A KEY AT FOUR JOINTS.
- USE SQUARE EMBED BLOCK TO ENSURE REINFORCED VOIDS ALIGN VERTICALLY.
- REINFORCED BARS SHALL BE TIED TO DOWELS AND HELD IN THE PROPER POSITION BY MECHANICAL BAR POSITIONERS DESIGNED FOR THAT PURPOSE.
- REINFORCING SHALL NOT BE PLUNGED INTO WET GROUT.
- LAP UNCOATED, DEFORMED BARS 48 BAR DIAMETERS. INCREASE SPECIFIED LAP LENGTHS 50% FOR EPOXY COATED BARS.
- CONCRETE MASONRY SHALL BE LAID IN RUNNING BOND, UNO. PILASTERS SHALL BE BONDED, UNO.
- LOAD BEARING CMU SHALL HAVE FULL MORTAR BED JOINTS.
- PROVIDE LADDER-TYPE HORIZONTAL JOINT REINFORCEMENT AS FOLLOWS:
TYPICAL: 16 IN. O.C. MAX. UNO.
AT BELOW GRADE WALLS: PROVIDE AT 8" O.C.
AT PARAPETS: PROVIDE AT 8" O.C.
AT WALL OPENINGS: PROVIDE ADPL REINF. NOT MORE THAN 8 IN. ABOVE AND BELOW OPENING. TERMINATE 2 FT. BEYOND OPENING.
PROVIDE CONTINUITY AT INTERSECTIONS AND CORNERS USING PREFABRICATED T-SHAPED AND L-SHAPED UNITS, AND LAP ALL CONSECUTIVE SECTIONS OF TRUSS TYPE REINFORCING A MINIMUM OF 6 INCHES.
- PROVIDE VERTICAL CONTROL JOINTS IN WALLS AT 24 FT. O.C. MAX, U.N.O.
- ALL CMU WALLS SHALL BE DOWELS TO SUPPORTING SLABS WITH MINIMUM #4@48 HOOKED DOWELS, UNO. ALL CMU WALLS SUPPORTED DIRECTLY ON STEEL MEMBERS SHALL BE ANCHORED WITH 1/2" DIAMETER X 4' STUD ANCHORS AT 32" O.C. OR WITH #4 X 2'-0" DBAS AT 48" O.C. UNO.
- THE TOPS OF ALL NON-LOAD BEARING CMU WALL SHALL BE BRACED ACCORDING TO SPECIFIC SECTIONS AND/OR TYPICAL DETAILS.
- PROVIDE BOND BEAMS FOR WALL THICKNESS AND HEIGHTS AS FOLLOWS:
BOND BEAM UNITS SHALL BE OPEN CELL UNITS THAT PERMIT VERTICAL REINFORCING TO PASS THROUGH.
6" CMU: UP TO 12 FT.: #85
UP TO 16 FT.: #86
8" CMU: UP TO 16 FT.: #85
UP TO 24 FT.: #86
UP TO 12 FT.: #85
UP TO 24 FT.: #86
UP TO 32 FT.: #87
14" x 16" CMU UP TO 12 FT.: #85
UP TO 24 FT.: #86
UP TO 32 FT.: #87

STRUCTURAL STEEL

- STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING DESIGNATIONS:
STRUCTURAL STEEL WF SHAPES ASTM A992
OTHER STRUCTURAL STEEL SHAPES ASTM A36, UNO
STEEL BARS, ANGLES AND PLATES ASTM A36, UNO
STIFF PLATES IN MOMENT CONNECTIONS ASTM A572, UNO
ROUND PIPE ASTM A53, TYPE E OR S
SQUARE & RECTANGULAR HSS ASTM A500, GRADE C
ROUND HSS ASTM A500, GRADE B
- STRUCTURAL STEEL DESIGN IS AND SHALL BE BASED UPON AISCS AND AISC METHOD DESIGNATIONS, UNO:
HIGH STRENGTH BOLTS ASTM F3125/A325 AND/OR A490
ANCHOR RODS ASTM F1554, GRADE 36 [55] [105]
- BOLTED CONN SHALL CONFORM TO RCSCS "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS".
- WELDING, WELDING ELECTRODES, AND FLUXES SHALL CONFORM TO AWS D1.1 "STRUCTURAL WELDING CODE - STEEL". ELECTRODES SHALL HAVE A MINIMUM TENSILE STRENGTH OF 70 KSI.
- GROUT UNDER STEEL COLUMNS OR POST BASEPLATES SHALL BE NON-METALLIC, SHRINKAGE RESISTANT GROUT CONFORMING TO ASTM C1107 AND HAVING A MINIMUM DESIGN COMPRESSIVE STRENGTH OF 5000 PSI. GROUT UNDER STEEL BEAM BEARING PLATES IN CONCRETE OR MASONRY WALLS SHALL CONFORM TO ASTM C476.
- HIGH STRENGTH BOLTED CONNECTIONS SHALL BE TIGHTENED TO THE SNUG-TIGHT CONDITION, UNO.
- HIGH STRENGTH BOLTS IN CONNECTIONS USED FOR KICKERS, BRACING MEMBERS OR MOMENT CONNECTIONS THAT ARE FABRICATED WITH SLOTTED HOLES SHALL BE SUP- CRITICAL. IF STANDARD HOLES ARE USED, BOLTS SHALL BE FULLY PRE-TENSIONED.
- MINIMUM CAPACITY OF BEAM SHEAR CONNECTIONS: DESIGN CONNECTIONS USING THE "MAXIMUM TOTAL UNIFORM LOAD" TABLES IN THE AISC MANUAL. FOR NON-COMPOSITE BEAMS THE CONNECTION CAPACITY SHALL BE AT LEAST 50% OF THE MAXIMUM UNIFORM LOAD CAPACITY, UNO.
- PROVIDE FULL DEPTH CONNECTIONS AT ALL BEAM OR GIRDER TO COLUMN CONNECTIONS.
- PROVIDE COLUMN CAP PLATES AS FOLLOWS, UNO:
FOR DECK BEARING: 1/4" THICK (PROVIDE WHERE BEAMS DO NOT FRAME INTO BOTH SIDES OF COLUMN)
FOR JOIST BEARING: 1/2" THICK AT K SERIES JOISTS 3/4" THICK AT L41 UH1 JOISTS 1" THICK AT JOIST GRIDERS SEE TYPICAL DETAILS, 3/4" MIN.
FOR BEAM BEARING: 1/2" THICK
FOR TRUSS BEARING: 1/2" THICK
FOR MOMENT CONNECTIONS: SEE TYPICAL DETAILS
PROVIDE COLUMN CAP PLATES AT ALL HSS COLUMNS
- WELD STIFFENERS SHALL BE PROVIDED AS FOLLOWS:
COLUMN WEBS: AT FULLY DEVELOPED MOMENT CONNECTIONS, STIFFENERS SHALL BE COMPLETE PENETRATION GROOVE WELDED, SAME THICKNESS AND GRADE AS BEAM FLANGES. WHERE MOMENT CONNECTIONS OCCUR ON COLUMN FLANGES AND COLUMN WEBS, STIFFENER THICKNESS SHALL EXCEED THE VECTOR SUMMATION OF THE RESPECTIVE BEAM FLANGE THICKNESSES.
BEAM WEBS: WHERE BEAM BEARS ON COLUMN, SAME THICKNESS AND STRENGTH AS COLUMN FLANGES.
COLUMN WEBS: WHERE COLUMN BEARS ON BEAM, SAME THICKNESS AND STRENGTH AS COLUMN FLANGES.
- PRIOR TO DETAILING CONNECTIONS FOR STRUCTURAL STEEL, THE STEEL FABRICATOR SHALL SUBMIT FOR APPROVAL REPRESENTATIVE DETAILS FOR EACH TYPE OF PROPOSED STRUCTURAL CONNECTION. SUCH DETAILS SHALL INDICATE DESIGN CAPACITIES. AFTER APPROVAL, THE CONNECTIONS SHALL BE INCORPORATED INTO THE SHOP DRAWINGS.
- ALL EXTERIOR EXPOSED STRUCTURAL STEEL SHALL BE HOT-DIPPED GALVANIZED.

STEEL JOISTS

- STEEL JOISTS, AND BRIDGING SHALL CONFORM TO SJI'S STANDARD "SPECIFICATIONS" FOR K, KCS, V5, LH, DLH, AND SJI SERIES JOISTS AND SJI'S "RECOMMENDED CODE OF STANDARD PRACTICE FOR STEEL JOISTS AND JOIST GRIDERS."
- PROVIDE AND ANCHOR BRIDGING LINES ACCORDING TO SJI SPECIFICATIONS. BRIDGING INDICATED ON DRAWINGS IS SCHEMATIC, AND MAY NOT REFLECT THE SJI REQUIRED MINIMUM NUMBER OF LINES.
- JOIST TO COLUMN CONNECTIONS SHALL HAVE BOTTOM CHORD EXTENSIONS. BOTTOM CHORD EXTENSIONS SHALL HAVE POSITIVE ATTACHMENT TO SUPPORT BY BOLTING OR BY WELDING. BOTTOM CHORD EXTENSIONS SHALL BE CONNECTED ONLY AFTER ALL DEAD LOADS ARE APPLIED.
- K-SERIES JOIST EXTENSIONS SHALL BE TYPE R-1, UNO.
- PROVIDE JOIST CAMBER ACCORDING TO SJI SPECIFICATION, UNO.
- REFER TO STRUCTURAL DESIGN CRITERIA FOR NET UPLIFT LOADING REQUIREMENTS FOR ROOF JOISTS AND JOIST GRIDERS. PROVIDE ADDITIONAL WIND UPLIFT BRIDGING LINES AT MEMBER ENDS.
- MECHANICAL/CLIMB CONFLICTS WITH JOIST BRIDGING: ALL HORIZONTAL, 4 DIAGONAL BRIDGING SHALL BE INSTALLED AND ANCHORED ACCORDING TO SJI REQUIREMENTS. AFTER DECK IS INSTALLED, BRIDGING MAY BE RE-WORKED AS FOLLOWS TO ACCOMMODATE INSTALLATION OF DUCTS, PIPING, CONDUIT, ETC.:
A. DIAGONAL BRIDGING MAY BE REPLACED WITH HORIZONTAL BRIDGING IN NON-ADJACENT JOIST BAYS. DO NOT REMOVE DIAGONAL BRIDGING IN MORE THAN ONE LOCATION AT A TIME BEFORE RENSTALLING HORIZONTAL BRIDGING.
B. HORIZONTAL BRIDGING MAY BE REMOVED ONLY IN NON-ADJACENT JOIST BAYS. DIAGONAL BRIDGING MUST BE INSTALLED IN BOTH ADJACENT JOIST BAYS, ALIGNED WITH THE LOCATIONS OF HORIZONTAL BRIDGING THAT IS TO BE REMOVED. DO NOT REMOVE HORIZONTAL BRIDGING BEFORE INSTALLING NEW DIAGONAL BRIDGING IN ADJACENT JOIST BAYS.

IF THE ABOVE LIMITATIONS CANNOT BE MET, THE JOIST MANUFACTURER SHALL BE CONTACTED FOR DIRECTION.

METAL DECKING

- METAL DECKING SHALL CONFORM TO THE FOLLOWING DESIGNATIONS:
COMPOSITE FLOOR DECK ASTM A653, GRADE 50
ROOF DECK ASTM A653, GRADE 33
- METAL DECK SHALL CONFORM TO AISI'S "SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS", TO SDIS "DESIGN MANUAL FOR FLOOR AND ROOF DECKS", AND TO SDIS "MANUAL OF CONSTRUCTION WITH STEEL DECK".
- WELDING SHALL CONFORM TO AWS D1.3 "STRUCTURAL WELDING CODE - SHEET STEEL".
- PROVIDE WELDING WASHERS FOR DECK LIGHTER THAN 22 GAGE.
- SPECIFIED ROOF DECK HAS BEEN DESIGNED TO BE CONTINUOUS OVER 3 SPANS MINIMUM. FOR ONE OR TWO SPAN CONDITIONS, PROVIDE HEAVIER GAGE DECK AS REQUIRED TO SUPPORT APPLICABLE LOADS.
- SPECIFIED COMPOSITE FLOOR DECK HAS BEEN DESIGNED FOR 3 SPAN UNSHORED CONSTRUCTION. FOR ONE OR TWO SPAN CONDITIONS, PROVIDE HEAVY GAGE DECK OR SHORING AS REQUIRED TO SUPPORT APPLICABLE LOADS.
- FASTEN COMPOSITE FLOOR DECK AND ROOF DECK PANELS TO SUPPORTING STEEL MEMBERS WITH #20 DIA FULDER WELDS AT 12" O.C. (5644 PATTERN), UNO. FASTEN TO PERIMETER STEEL MEMBERS AT 12" O.C., UNO. MECHANICAL FASTENING METHODS ARE PERMITTED IN LIEU OF WELDING. CONTRACTOR SHALL PROVIDE SUBMITTAL TO INDICATE SPECIFIC FASTENING SYSTEM AND DATA TO INDICATE THAT MECHANICAL FASTENERS MEET OR EXCEED THE DIAPHRAGM CAPACITY ACHIEVED BY THE WELDING PATTERN DESCRIBED ABOVE, OR OTHER SPECIFIC REQUIREMENTS INDICATED.
- MECHANICALLY FASTEN COMPOSITE FLOOR AND ROOF DECK SLAB LAPS WITH SELF DRILLING NO. 10 SCREWS AT MIDSPAN OR 36" (MAX) O.C., UNO.

COLD FORMED STEEL FRAMING

- ALL COLD FORMED STEEL FRAMING INDICATED ON THE DRAWINGS IS FOR DESIGN INTENT ONLY. THE COLD-FORMED FRAMING SUBCONTRACTOR SHALL RETAIN THE SERVICES OF A LICENSED PROFESSIONAL ENGINEER TO DESIGN ALL COLD FORMED FRAMING IN ACCORDANCE WITH THE SPECIFIED DESIGN CRITERIA. SIGNED AND SEALED SHOP DRAWINGS SHALL BE SUBMITTED. INDICATED COLD-FORMED FRAMING SIZES AND GAGES ARE MINIMUMS, AND SHALL NOT BE REDUCED WITHOUT APPROVAL OF THE ARCHITECT/ENGINEER. COLD-FORMED SUB-CONTRACTOR SHALL AT HIS EXPENSE DURING BIDDING PERFORM SUFFICIENT PRELIMINARY TO PRICE A JOB WITH ALL REQUIRED FRAMING SIZES, GAUGES, SPACINGS, FRAME OPENINGS, ACCESSORIES, ETC.
- THE DESIGN OF COLD FORMED STEEL FRAMING SHALL CONFORM TO AISI'S "SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS".
- COLD FORMED STEEL FRAMING SHALL CONFORM TO ASTM C955 AND C1007, AND TO THE FOLLOWING:
12, 14 AND 16 GAGE STUDS ASTM A653, SW, GRADE 50, CLASS 1
18 AND 20 GAGE STUDS ASTM A653, C2, GRADE 33
TRACK AND BRIDGING ASTM A653, CW, GRADE 33
WELDING SHALL CONFORM TO AWS D1.3 - 18, "STRUCTURAL WELDING CODE -SHEET STEEL".
- COLD FORMED STEEL FRAMING PROPERTIES SHALL CONFORM TO MARINOWARE OR EQUIVALENT.
- PROVIDE BRIDGING AND BRACING AS SPECIFIED BY MANUFACTURER OR AS REQUIRED BY DESIGN.
- THE EXTENT OF WORK FOR COLD-FORMED FRAMING IS DETAILED ON THE ARCHITECTURAL DRAWINGS AND PARTIALLY ON THE STRUCTURAL DRAWINGS. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT / ENGINEER.
- PROVIDE COLD-FORMED ACCESSORIES AS REQUIRED FOR A COMPLETE FRAMING SYSTEM, INCLUDING BUT NOT LIMITED TO, TRACKS, BLOCKING, CLIP ANGLES, SLIDE CLIPS, SHOES, RUNNERS, REINFORCEMENTS, COLD-FORMED TO COLD-FORMED FASTENERS, AND WELDS, AND COLD-FORMED TO STRUCTURE FASTENERS AND WELDS.
- LOAD BEARING STUDS SHALL HAVE CONTINUITY THROUGH THE FLOOR SYSTEM, AND SHALL BE VERTICALLY ALIGNED THROUGHOUT THE STRUCTURE HEIGHT.
- LOAD BEARING STUDS SHALL NOT BE SPLICED.
- TRACK SHALL BE SPLICED WITH A SECTION OF STUD AND FASTENED TO DEVELOP THE TENSILE CAPACITY OF THE TRACK.
- BUILT-UP HEADERS SHALL HAVE WELD STIFFENERS AT BEARING POINTS.
- FOR FLOOR AND ROOF JOISTS, PROVIDE FULL DEPTH SLOD BLOCKING AT 8 FT. O/C MAX, WITH A MINIMUM OF ONE LINE OF BLOCKING.
- DO NOT BEAR OR CONNECT COLD-FORMED MEMBERS WITHIN 12 INCHES OF PUNCHED WEB OPENINGS UNLESS MEMBERS ARE REINFORCED WITH AN 18 IN. (MIN) LONG UNPUNCHED STUD OR TRACK AT THE PUNCH OPENING, SAME GAGE AS PUNCHED MEMBER. FASTEN REINFORCING MEMBER WITH A MIN. OF 8 SCREWS.
- PLACE STUDS AT UNIFORM SPACING INDICATED WITH FULL BEARING AGAINST THE INSIDE WEB OF RUNNERS. ALIGN WITH ALL FLANGES FACING SAME DIRECTION.
- LOCATE BAYS NOT MORE THAN 18 INCHES FROM STARTING WALLS.
- CONSTRUCT CORNERS USING MIN. 3 STUDS. PROVIDE DOUBLE STUDS AT WALL OPENINGS, AND AT WINDOW AND DOOR JAMBS, UNO.
- INSTALL INTERMEDIATE JACK STUDS (CRIPPLES) ABOVE AND BELOW OPENINGS TO MATCH WALL STUD SPACING.
- ROOF TRUSSES SHALL BE CONFIGURED TO ACCOMMODATE MECHANICAL DUCTWORK, RUNS AND CARVANS THROUGH THE TRUSS SPACE. COORDINATE WITH THE MECHANICAL CONTRACTOR AND ARCHITECTURAL DRAWINGS.
- ROOF SHEATHING OR METAL DECK SHALL BE INSTALLED ON MAIN ROOF MEMBERS PRIOR TO THE INSTALLATION OF OVERFRAMING MEMBERS.
- ALL CONNECTIONS SHALL BE SCREWED OR POWER FASTENED, UNLESS WELDING IS INDICATED.
A. SCREWS: #10 (UNO) HEX HEAD SELF-DRILLING SCREWS, MIN. 1/2 IN. LENGTH FOR COLD-FORMED TO COLD-FORMED CONNECTIONS; MIN 1 -1/2 IN. C. LENGTH FOR COLD-FORMED TO TIMBER CONNECTIONS. MIN SPACING AND EDGE DISTANCE SHALL BE 1/2 IN.
D. POWDER ACTUATED FASTENERS (PAF) IN CONCRETE: 0.145 IN (UNO). SHANK DIA. MIN. SPACING SHALL BE 4 IN. AND MIN. EDGE DISTANCE SHALL BE 3 IN.
E. POWDER ACTUATED FASTENERS (PAF) IN STEEL: 0.145 IN (UNO) RIVULED SHANK DIA. MIN. SPACING SHALL BE 1 1/2 IN. AND MIN. EDGE DISTANCE SHALL BE 1/2 IN.
- PROVIDE A SUFFICIENT NUMBER OF STUDS TO ACHIEVE FULL BEARING WIDTH FOR ALL BEAMS, TRUSSES GIRDERS, AND POINT LOADS. MULTIPLE STUDS SHALL BE LAMINATED TOGETHER.
- ANCHOR BOLTS SHALL BE SPACED AT 4'-0" O.C. UNO AND 4" TO 12" MAX FROM ENDS OF WALLS WITH 2 BOLTS PER TRACK, MIN.
- ALL BOX HEADER AND OPENING JAMB CONDITIONS SHALL BE DESIGNED BY COLD-FORMED DESIGNER, EVEN IF STEEL MEMBERS ARE REQUIRED.

MECHANICAL ROOFTOP EQPT CURBS, OPENINGS & ROOF ACCESS

- PROVIDE FRAMING FOR ALL ROOFTOP EQUIPMENT CURBS AND OPENINGS, AND ROOF ACCESS, IN NEW AND EXISTING CONSTRUCTION ACCORDING TO TYPICAL DETAILS, UNO.
- COORDINATE SIZES AND LOCATIONS OF CURBS AND OPENINGS WITH MECHANICAL DRAWINGS AND MECHANICAL CONTRACTOR AND ROOF ACCESS OPENINGS WITH ARCHITECTURAL DRAWINGS. CURBS AND OPENINGS SHALL BE CENTERED BETWEEN AND ACROSS NEW AND EXISTING ROOF MEMBERS.
- ALL ROOF JOISTS AND TRUSSES (NEW AND EXISTING) SHALL BE REINFORCED FOR OFF-PANEL POINTS LOADS ACCORDING TO TYPICAL DETAIL.
- RE-USE EXISTING OPENINGS WHERE POSSIBLE.

MECH. UNIT, DUCTWORK, AND PIPE SUPPORT FROM COLD FORMED TRUSSES

- THE FOLLOWING CRITERIA SHALL BE FOLLOWED FOR HANGING NEW MECHANICAL UNITS, DUCTWORK, AND PIPING MECHANICAL AND PLUMBING ON COLD-FORMED TRUSSES IN NEW AND EXISTING CONSTRUCTION:
A. SUPPORTS FOR MECHANICAL UNITS AND DUCTWORK SHALL BE PROVIDED SUCH THAT HANGER LOADS ARE LIMITED TO 250 LBS., WITH A MAXIMUM OF 2 HANGERS PER JOIST.
B. SUPPORTS FOR MULTIPLE RUNS OF PIPING 4" TO 6" IN DIAMETER SHALL BE STAGGERED SUCH THAT ONE COLD-FORMED TRUSS SUPPORTS NO MORE THAN TWO PIPES. SPACING OF PIPE SUPPORTS SHALL BE ACCORDING TO INDUSTRY STANDARDS, BUT NO MORE THAN 6 FT. O.C.
C. SUPPORTS FOR MULTIPLE RUNS OF PIPING 8" TO 10" IN DIAMETER SHALL BE STAGGERED SUCH THAT ONE COLD-FORMED TRUSS SUPPORTS NO MORE THAN ONE PIPE. SPACING OF PIPE SUPPORTS SHALL BE ACCORDING TO INDUSTRY STANDARDS, BUT NO MORE THAN 6 FT. O.C.
D. FOR PIPING LARGER THAN 10" IN DIAMETER, OR FOR CASES WHERE THE ABOVE CRITERIA CANNOT BE MET, SUPPLEMENTARY FRAMING SHALL BE PROVIDED TO SUPPORT THE PIPES ON NEW OR EXISTING STEEL GIRDERS AND BEARING WALLS.
- MECHANICAL UNIT AND PIPING SUPPORTS SHALL NOT OCCUR ON THE SAME TRUSSES.
- IN NO CASE SHALL THE TOTAL WEIGHT SUPPORTED BY A SINGLE TRUSS EXCEED 500 LBS UNLESS THE TRUSS IS SPECIFICALLY NOTED AND DESIGNED FOR HIGHER LOADS.
- ALL SUPPORT POINTS SHALL BE LOCALLY REINFORCED ACCORDING TO TYPICAL DETAIL.

DRILLED ANCHORS

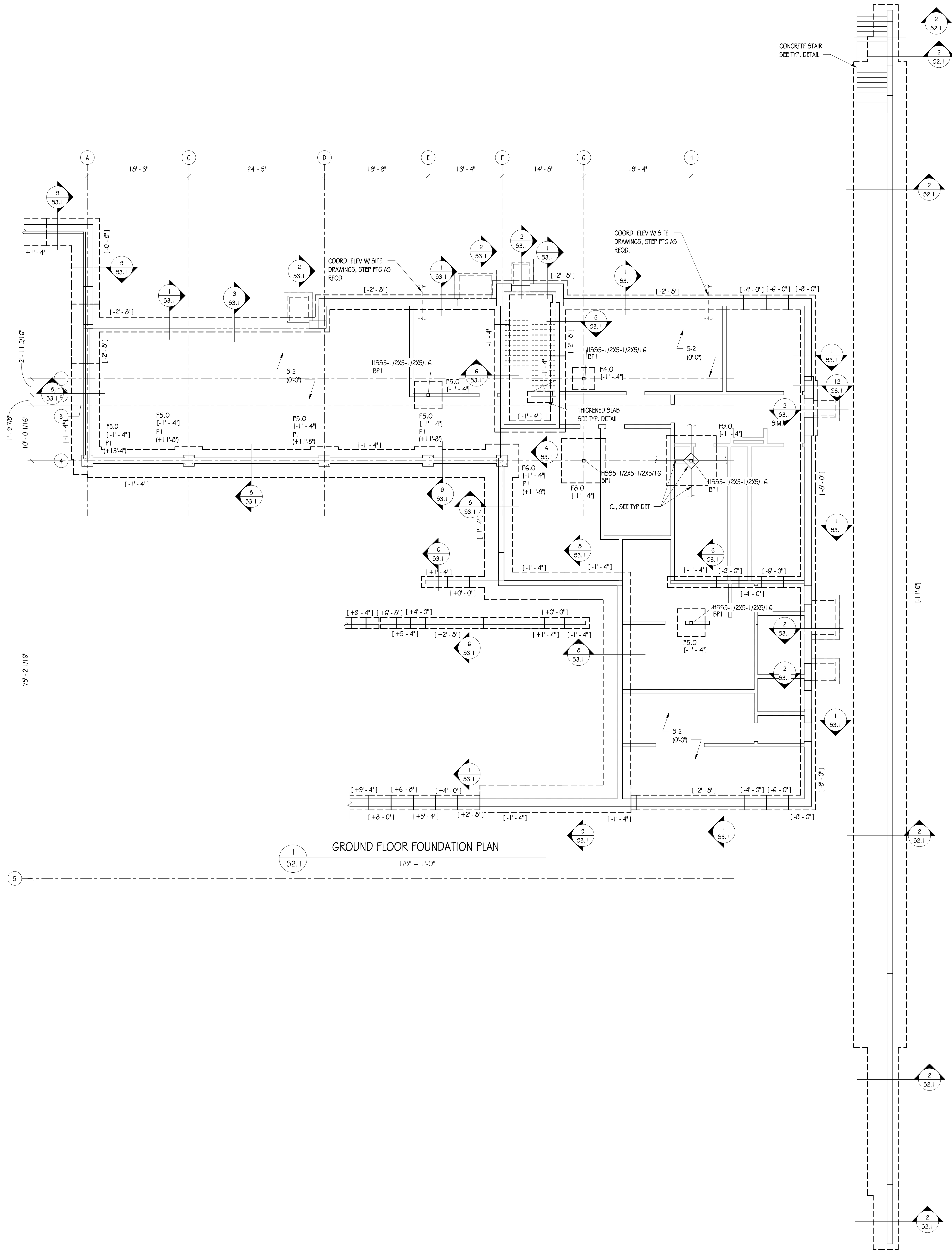
- EXPANSION ANCHORS SHALL BE (UNO):
HLTI Kwik Bolt III, DEWALT/POWERS POWER STUD, OR EQUIVALENT.
3/4" DIAMETER, U.N.O.
SUFFICIENT LENGTH TO PROVIDE 6 INCH MINIMUM EMBEDMENT, U.N.O.
- CHEMICAL ADHESIVE ANCHORS SHALL BE (UNO):
HLTI HIT HY200 OR HLTI HIT HY270 AS APPLICABLE, DEWALT/POWERS PURE 110+, OR EQUIVALENT
3/4" DIAMETER, U.N.O.
SUFFICIENT LENGTH TO PROVIDE 6 INCH MINIMUM EMBEDMENT, U.N.O.
- GROUT CMU COURSES AT ANCHORS FOR 8" MIN ABOVE AND BELOW ANCHOR LINES
- ANCHORS IN EXTERIOR APPLICATIONS SHALL BE HOT-DIPPED GALVANIZED.

CONFORMED SET

PROJECT NO. L15870



ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. NO PART HEREOF OR OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT HEREIN, REPRODUCTION OR TRANSMISSION IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE

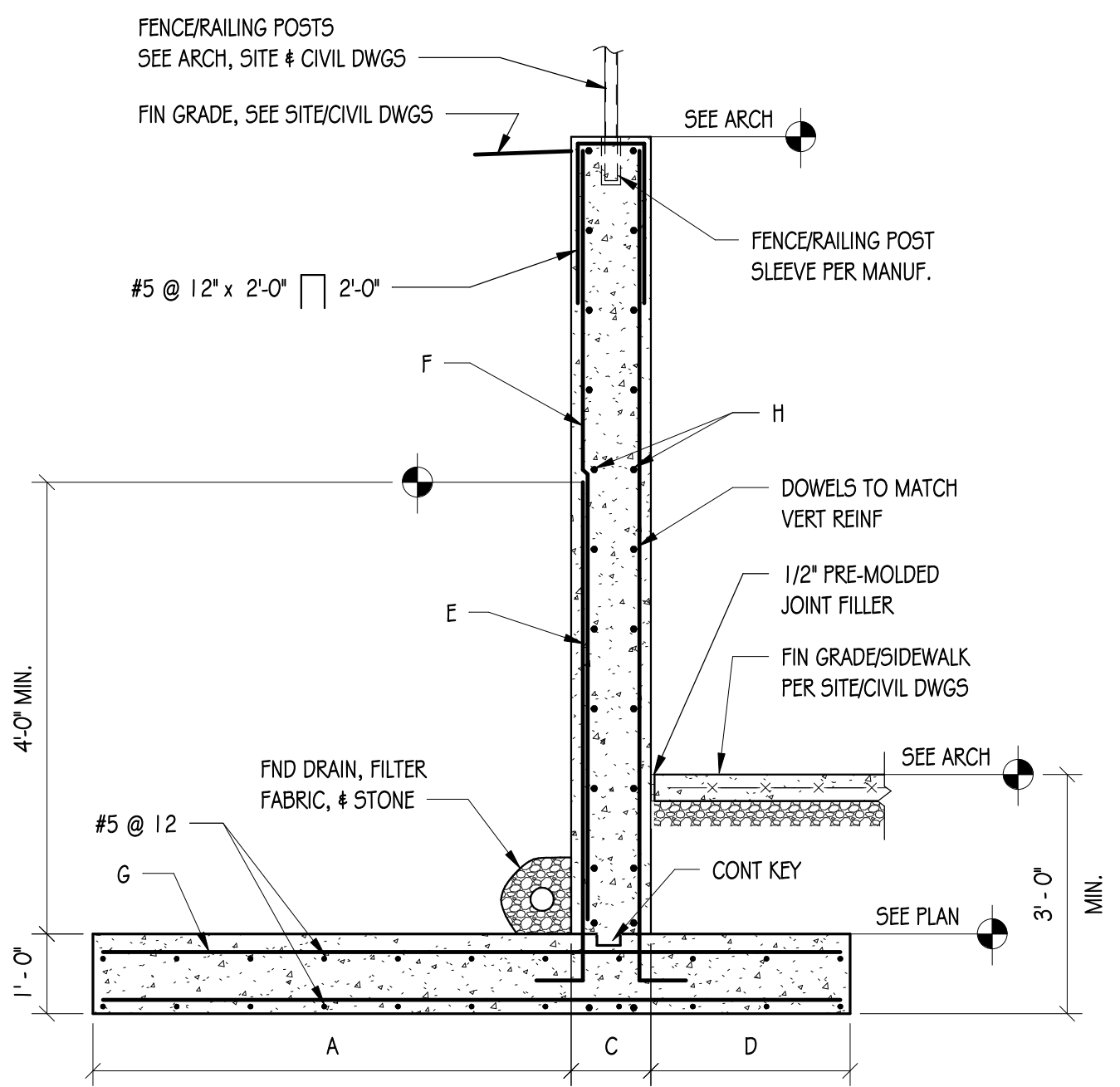


FOUNDATION / GROUND FLOOR PLAN NOTES

- GROUND FLOOR REFERENCE ELEVATION = 0'-0" = DATUM ELEV. OF 638.00'.
- ELEVATIONS ARE NOTED FROM REF. EL. 0'-0" AS FOLLOWS:
[-#.#] INDICATES TOP OF FOOTING
[-#.#] INDICATES TOP OF PIER
- FOUNDATION MEMBERS SHALL BE AT THE FOLLOWING ELEVATIONS, UNO:
FLOOR SLAB - 16'0" (0'-0")
- FOUNDATION MEMBERS ARE DESIGNATED AS FOLLOWS:
F# # FOOTING MARK - SEE SCHEDULE
P# # PIER MARK - SEE FOUNDATION DETAILS
BP# COLUMN BASE PLATE - SEE FOUNDATION SECTIONS
- SLAB-ON-GRADE TYPE S-1 SHALL BE A 4" SLAB ON GRADE REINF. W/ 6X6 - W2.9XW2.9 WWP ON 4" DRAINAGE FILL & VAPOR BARRIER.
SLAB-ON-GRADE TYPE S-2 SHALL BE A 5" SLAB ON GRADE REINF. W/ 6X6 - W2.9XW2.9 WWP ON 4" DRAINAGE FILL & VAPOR BARRIER.
- COORDINATE WITH ARCH, MECH, ELEC, AND PLUMB DRAWINGS FOR FLOOR SLOPES, DRAINS, OPENINGS, DEPRESSIONS, ETC., NOT SHOWN ON THIS PLAN, AT ALL TOILETS AND OTHER ROOMS.
- REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT INDICATED.
- UNDER SLAB PLUMBING SHOWN THUS -----, SEE TYP. DETAILS FOR STEPPED FOOTINGS @ PLUMBING LINES.
- BOTTOM OF NEW FOOTINGS SHALL MATCH ADJACENT BOTTOM OF EXISTING FOOTINGS. STEP FOOTINGS AS REQUIRED.
- PROVIDE (2) #4 X 4'-0" DIAGONAL BARS AT ALL RE-ENTRANT SLAB-ON-GRADE CORNERS.
- REFER TO STRUCTURAL NOTES ON S1.1.
- REFER TO TYPICAL DETAILS ON S6.14 S6.2.

FOOTING SCHEDULE

MARK	SIZE	REINFORCING (EACH WAY - BOT)
F4.0	4'-0" x 4'-0" x 1'-0"	4#5
F5.0	5'-0" x 5'-0" x 1'-0"	5#5
F6.0	6'-0" x 6'-0" x 1'-0"	6#5
F8.0	8'-0" x 8'-0" x 1'-4"	7#6
F9.0	9'-0" x 9'-0" x 1'-6"	8#6

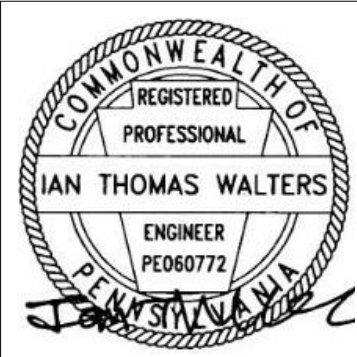


G.C., COORD. WITH SITE/CIVIL GRADING FOR FOUNDATION STEPWORK AND DESIGN AS REQUIRED.

RETAINING WALL DETAIL

1/2" = 1'-0"

CONFORMED SET



ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES RESERVE ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THIS MATERIAL WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION. © CRABTREE, ROHRBAUGH & ASSOCIATES, INC. 2024

REVISIONS

NO.	DATE	NAME	DESCRIPTION OF CHANGES
2	8/6/26		ADDENDUM #4

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS
401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272

www.cra-architects.com

TOWSON, MARYLAND
CHARLOTTEVILLE, VIRGINIA
WHITE SULPHUR SPRINGS, WEST VIRGINIA

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
DECEMBER 3, 2024



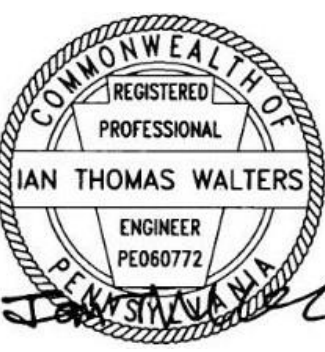
GROUND FLOOR
FOUNDATION PLAN

PLOT SCALE:
As indicated
FILENAME:
DATE:
July 8, 2026

PROJECT
3706

S2.1

CONFORMED SET



ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES WILL HAVE ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THE MATERIAL HEREON WITHOUT THE WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION. © CRABTREE, ROHRBAUGH & ASSOCIATES, INC. 2024

REVISIONS

NO.	DATE	BY	NAME	DESCRIPTION OF CHANGES

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS
401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272

www.cra-architects.com

TOWSON, MARYLAND
CHARLOTTEVILLE, VIRGINIA
WHITE SULPHUR SPRINGS, WEST VIRGINIA

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
DECEMBER 3, 2024



FIRST FLOOR FOUNDATION & FRAMING PLAN

PLOT SCALE:
As indicated

FILENAME:

DATE:
July 8, 2026

PROJECT
3706

S2.2

FOUNDATION / GROUND FLOOR PLAN NOTES

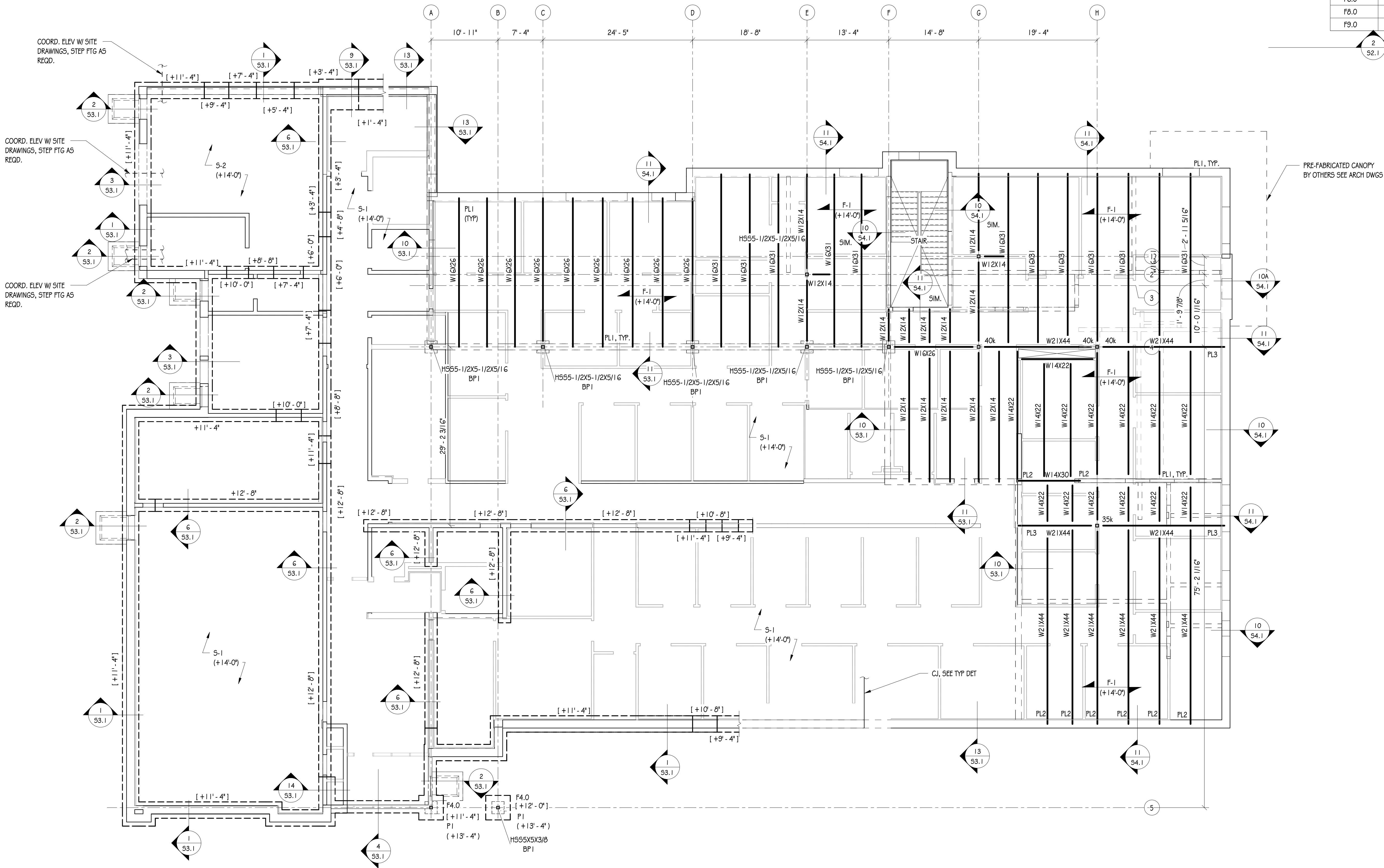
- GROUND FLOOR REFERENCE ELEVATION = 0'-0" = DATUM ELEV. OF 638.00'.
- ELEVATIONS ARE NOTED AS FOLLOWS, REFERENCED FROM THE REFERENCE ELEVATION:
(+ #'-#") INDICATES TOP OF FOOTING
(+ #'-#") INDICATES TOP OF PIER
- FOUNDATION MEMBERS SHALL BE AT THE FOLLOWING ELEVATIONS, UNO:
FLOOR SLAB T/SLAB (0'-0")
FOOTING MARK - SEE SCHEDULE
PIER MARK - SEE FOUNDATION DETAILS
COLUMN BASE PLATE - SEE FOUNDATION SECTIONS
- SLAB-ON-GRADE TYPE 5-1 SHALL BE A 4" SLAB ON GRADE REINF. W/ 6X6 - W2.9XW2.9 WWF ON 4" DRAINAGE FILL & VAPOR BARRIER.
SLAB-ON-GRADE TYPE 5-2 SHALL BE A 5" SLAB ON GRADE REINF. W/ 6X6 - W2.9XW2.9 WWF ON 4" DRAINAGE FILL & VAPOR BARRIER.
- COORDINATE WITH ARCH, MECH, ELEC, AND PLUMB DRAWINGS FOR FLOOR SLOPES, DRAINS, OPENINGS, DEPRESSIONS, ETC., NOT SHOWN ON THIS PLAN, AT ALL TOILETS AND OTHER ROOMS.
- REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT INDICATED.
- UNDER SLAB PLUMBING SHOWN THUS -----, SEE TYP DETAILS FOR STEPPED FOOTINGS @ PLUMBING LINES.
- BOTTOM OF NEW FOOTINGS SHALL MATCH ADJACENT BOTTOM OF EXISTING FOOTINGS. STEP FOOTINGS AS REQUIRED.
- PROVIDE (2) #4 X 4'-0" DIAGONAL BARS AT ALL RE-ENTRANT SLAB-ON-GRADE CORNERS.
- REFER TO STRUCTURAL NOTES ON 51.1.
- REFER TO TYPICAL DETAILS ON 56.1 & 56.2.

FLOOR FRAMING PLAN NOTES

- FLOOR REFERENCE ELEVATION IS (0'-0")
- ELEVATIONS ARE NOTED AS FOLLOWS, REFERENCED FROM THE REFERENCE ELEVATION:
(+ #'-#") INDICATES TOP OF SLAB ELEVATION
- FLOOR CONSTRUCTION TYPE F-1 SHALL BE 1 1/2" - 20 GA COMPOSITE METAL DECK WITH 2 1/2" CONCRETE TOPPING AND 6X6-W2.14W2.1 WWF (4" TOTAL FLOOR THICKNESS).
- STEEL FRAMED CONCRETE FLOORS SHALL BE POURED TO THEIR SPECIFIED LEVELS. ALLOW FOR ADDITIONAL CONCRETE DURING PLACEMENT TO ACCOUNT FOR THE DEFLECTION IN THE STEEL FRAMING.
- ROLLED STEEL SHALL BE ASTM A992, UNO.
- SYMBOL SHOWN THUS PL# INDICATES BEAM BEARING PLATE - SEE TYPICAL DETAIL.
- EQUALLY SPACE FLOOR FRAMING MEMBERS, UNO, WITH QUANTITY SHOWN ON PLAN.
- REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT INDICATED.
- PROVIDE UNTELS ACCORDING TO STRUCTURAL NOTES AND UNTEL SCHEDULE.
- SHEAR REACTIONS NOT SHOWN ON PLAN ARE 20 KIPS OR LESS.
- REFER TO STRUCTURAL NOTES ON DRAWINGS 51.1.
- REFER TO TYPICAL DETAILS ON DRAWING 56.1 & 56.2.

FOOTING SCHEDULE

MARK	SIZE	REINFORCING (EACH WAY - BOT)
F4.0	4'-0" x 4'-0" x 1'-0"	4#5
F5.0	5'-0" x 5'-0" x 1'-0"	5#5
F6.0	6'-0" x 6'-0" x 1'-0"	6#5
F8.0	8'-0" x 8'-0" x 1'-4"	7#6
F9.0	9'-0" x 9'-0" x 1'-6"	8#6



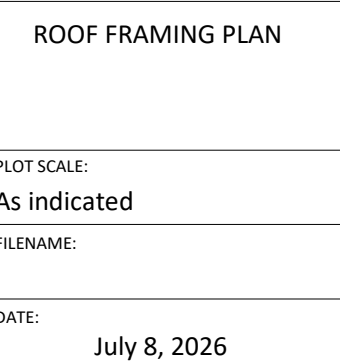
FIRST FLOOR FOUNDATION & FRAMING PLAN

1/8" = 1'-0"

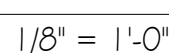
[illegible]

WHITE SULPHUR SPRINGS, WEST VIRGINIA

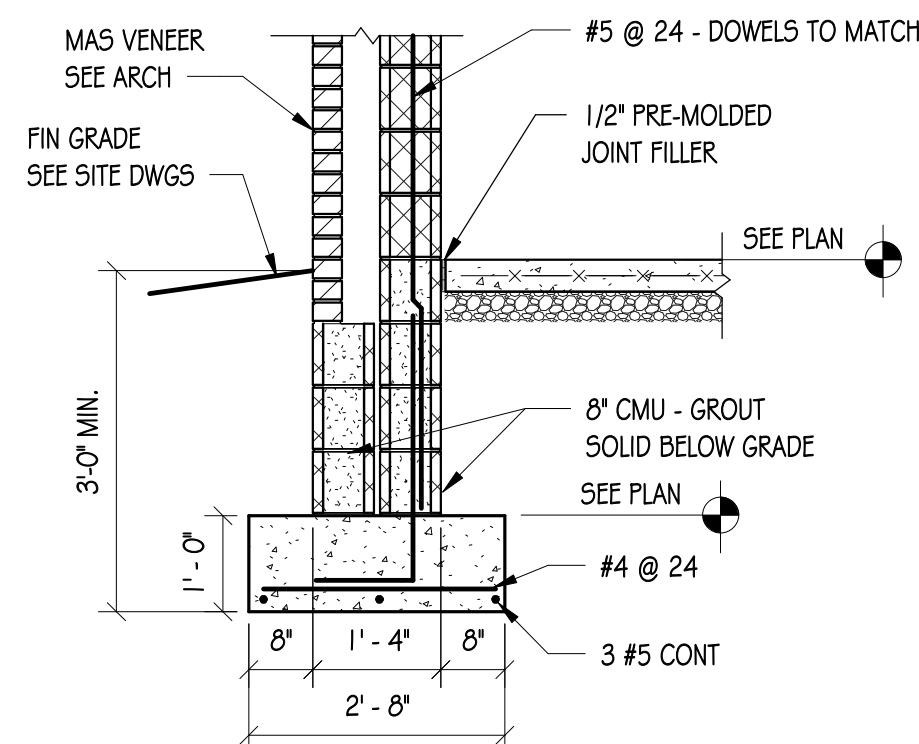
DECEMBER 3, 2024



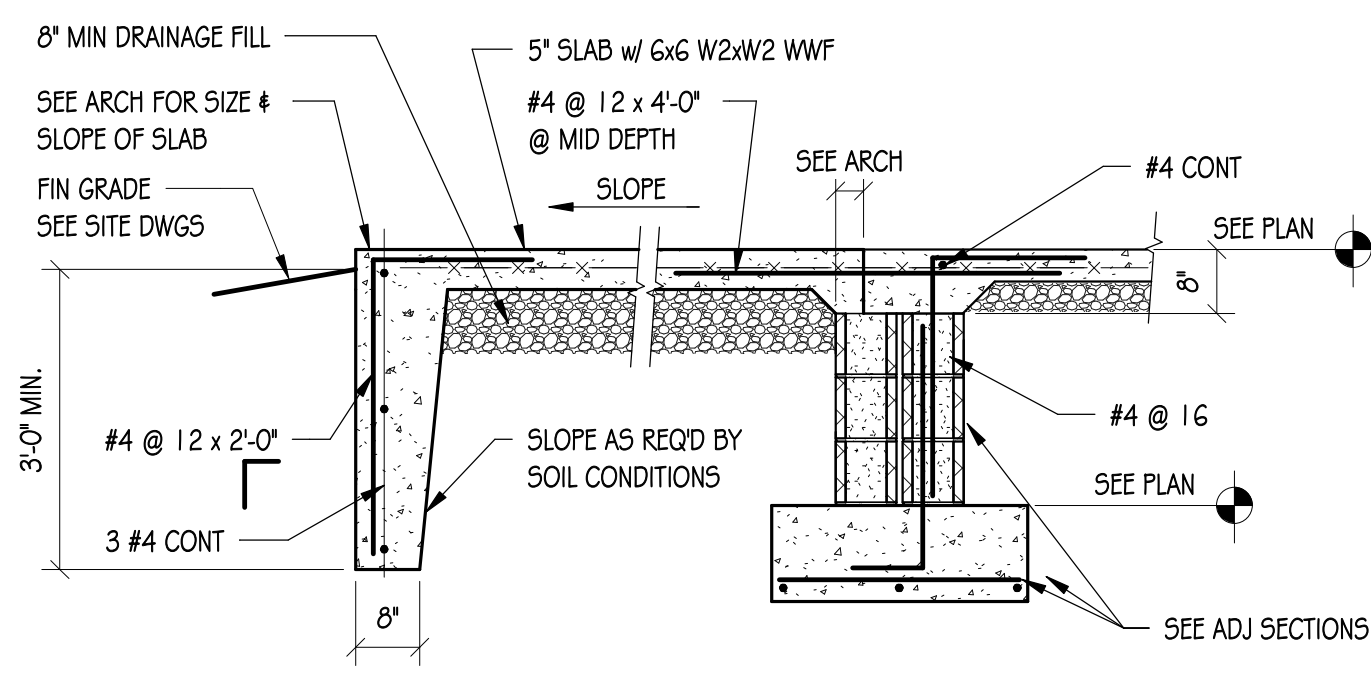
S2.3



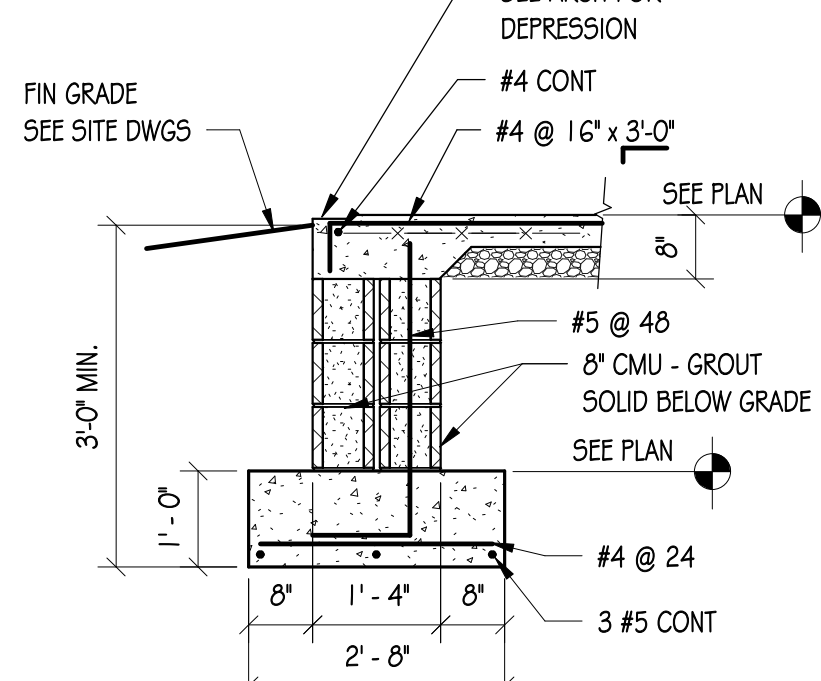
1. ROOF REFERENCE ELEVATION IS (0'-0").
2. ELEVATIONS ARE NOTED AS FOLLOWS, REFERENCED FROM THE REFERENCE ELEVATION:
(#'-#") INDICATES BOTTOM OF DECK ELEVATION
INDICATES TRUSS TOP ELEVATION
3. ROOF CONSTRUCTION TYPE IS 1. SHALL BE 12" - 20 GA. TYPE B METAL ROOF DECK
ROLLED STEEL SHALL BE ASTM A992, INDICATED.
4. SYMBOL SHOWN THRU INDICATES BEAM BEARING PLATE - SEE TYPICAL DETAIL.
5. ROOF MEMBERS SHALL BE EQUALLY SPACED, UNO W/ VARIATIONS AS SHOWN ON PLANS.
MEMBERS 12" OR GREATER APART SHALL BE INDICATED BY DIMENSIONS NOT INDICATED.
6. PROVIDE FRAMING AT ROOF EQUIPMENT CURBS AND OPENINGS PER DETAIL 256.2.
7. PROVIDE LINTELS ACCORDING TO STRUCTURAL NOTES AND LINTEL SCHEDULE.
8. SYMBOL SHOWN THRU INDICATES MOMENT CONN - SEE TYPICAL DETAILS.
9. SHEAR REINFORCING NOTED ON DRAWING IS 20# OR 25# KIPS OR LESS
10. REFER TO STRUCTURAL NOTES ON DRAWING 56.1
11. REFER TO TYPICAL DETAILS ON DRAWING 56.1 + 56.2.



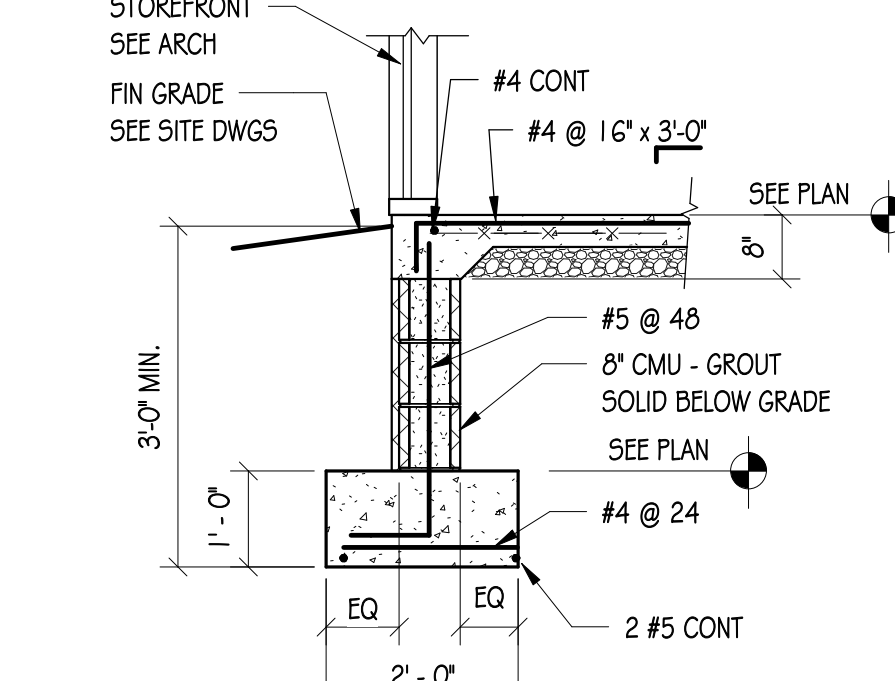
1
53.1
1/2" = 1'-0"



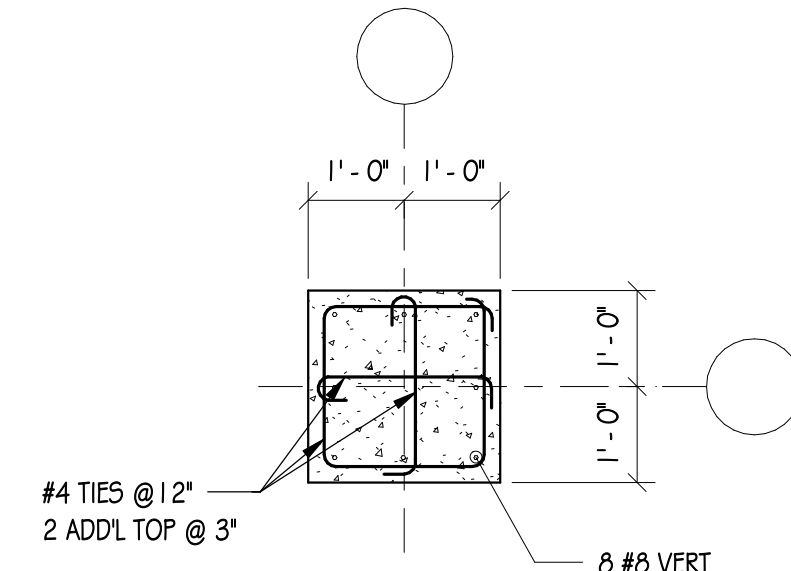
2
53.1
1/2" = 1'-0"



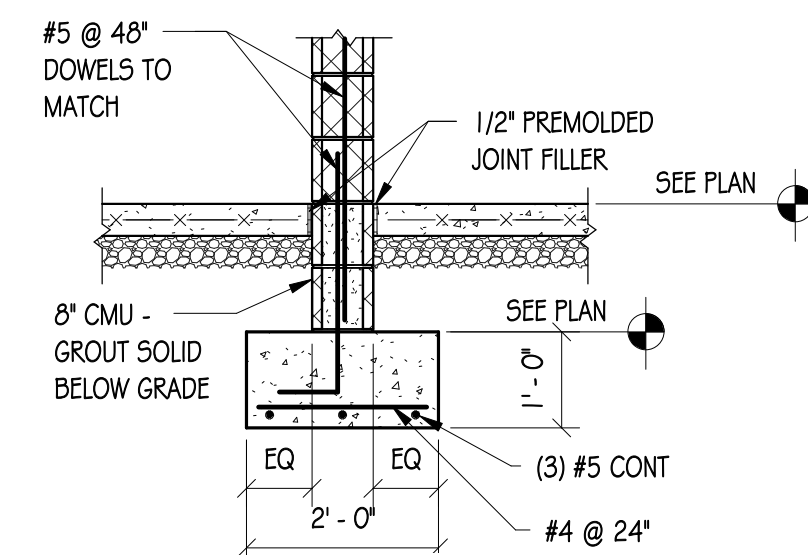
3
53.1
1/2" = 1'-0"



4
53.1
1/2" = 1'-0"

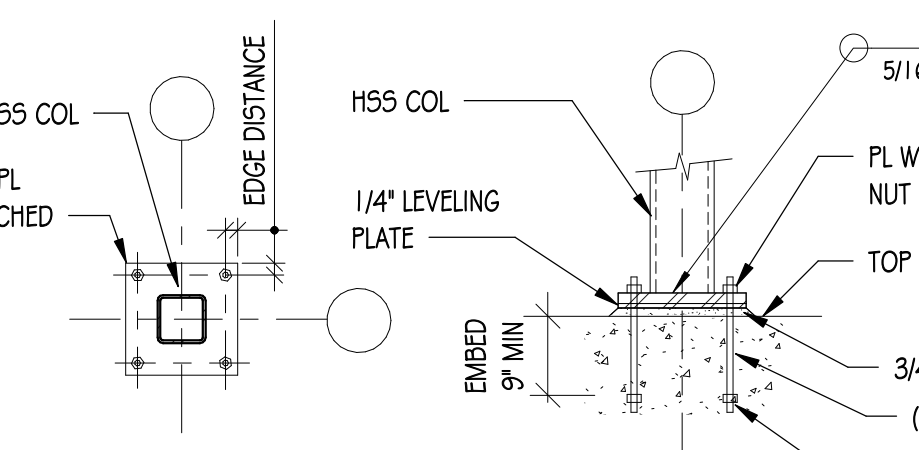


5
53.1
1/2" = 1'-0"



6
53.1
1/2" = 1'-0"

BASE PLATE DETAILING SCHEDULE					
ANCR ROD DIA.	EMBEDMENT (GRADE 36)	BASE PL HOLE DIA.	EDGE DISTANCE	PL WASHER DIA.	PL WASHER THICKNESS
3/4"	9"	1 5/16"	1 1/2"	2"	1/2"

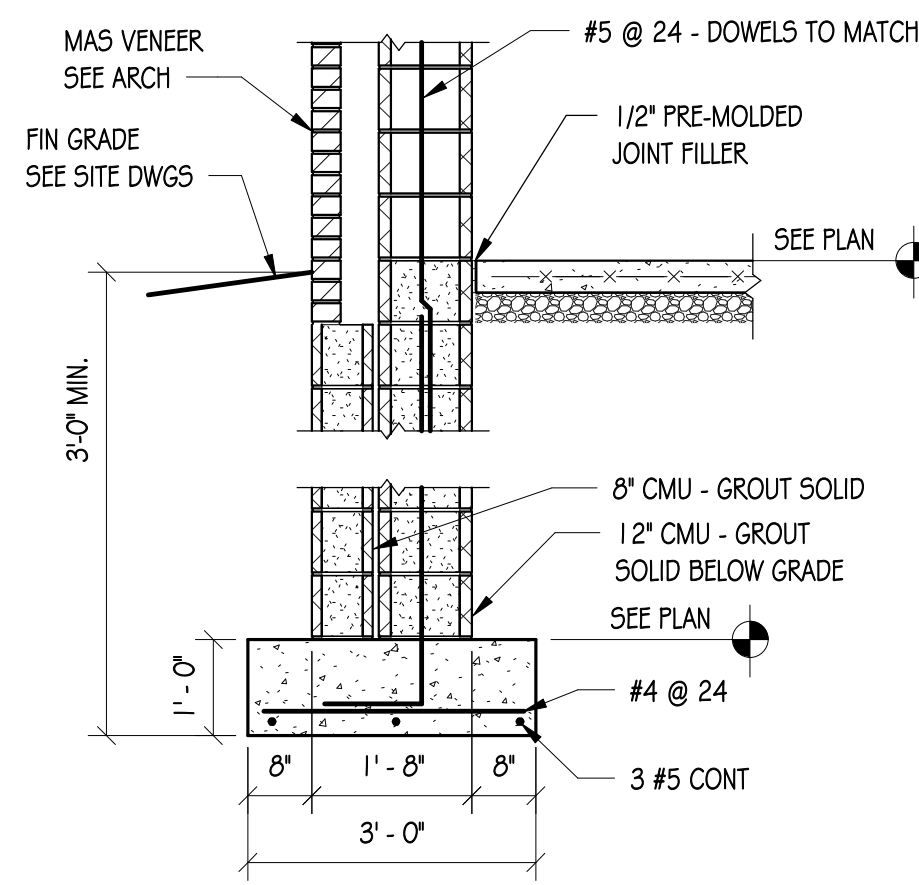


BASE PLATE SCHEDULE				
MARK	SIZE	THICKNESS	ANCR ROD DIA.	
BP1	14" x 14"	1"	3/4"	

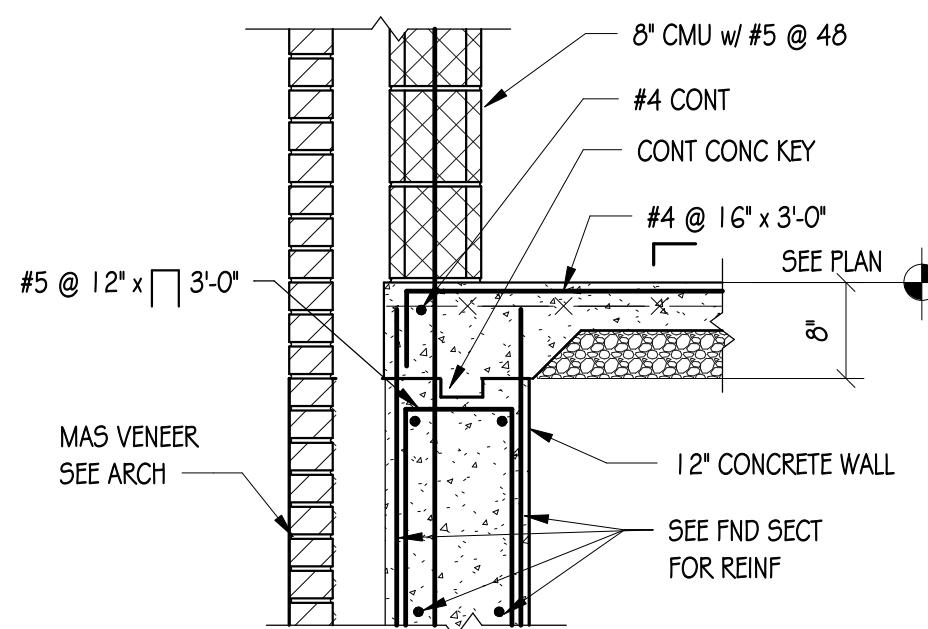
NOTE: FOR HIGH STRENGTH ANCHOR RODS, INCREASE EMBEDMENT BY 50%.

3/4" NON - SHRINK GROUT
(4) UNHEADED ANCR RODS
TACK WELDED NUTS, EXCEPT
PROVIDE DOUBLE NUTS FOR
HIGH STRENGTH RODS

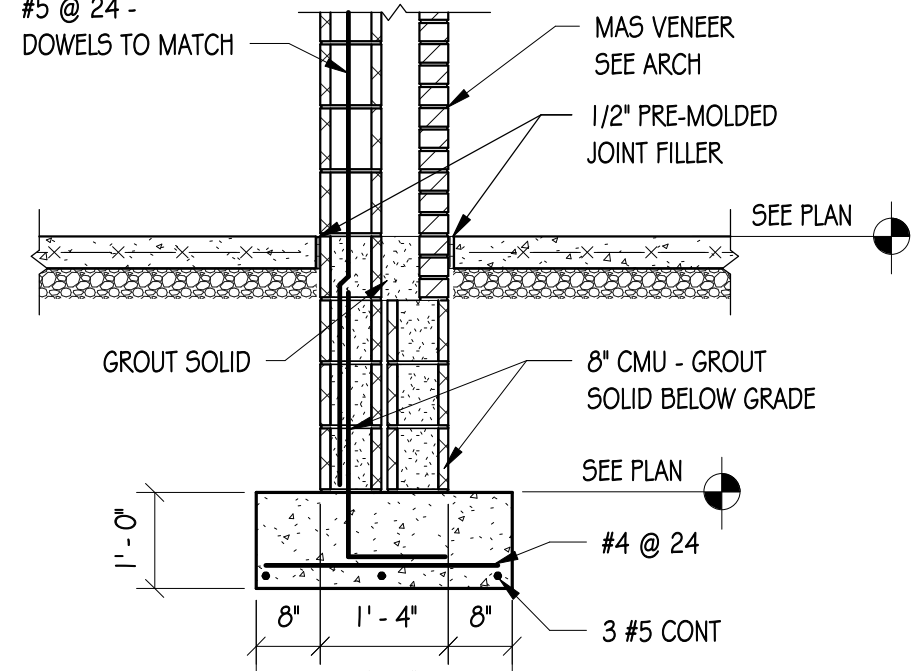
7
53.1
1/2" = 1'-0"



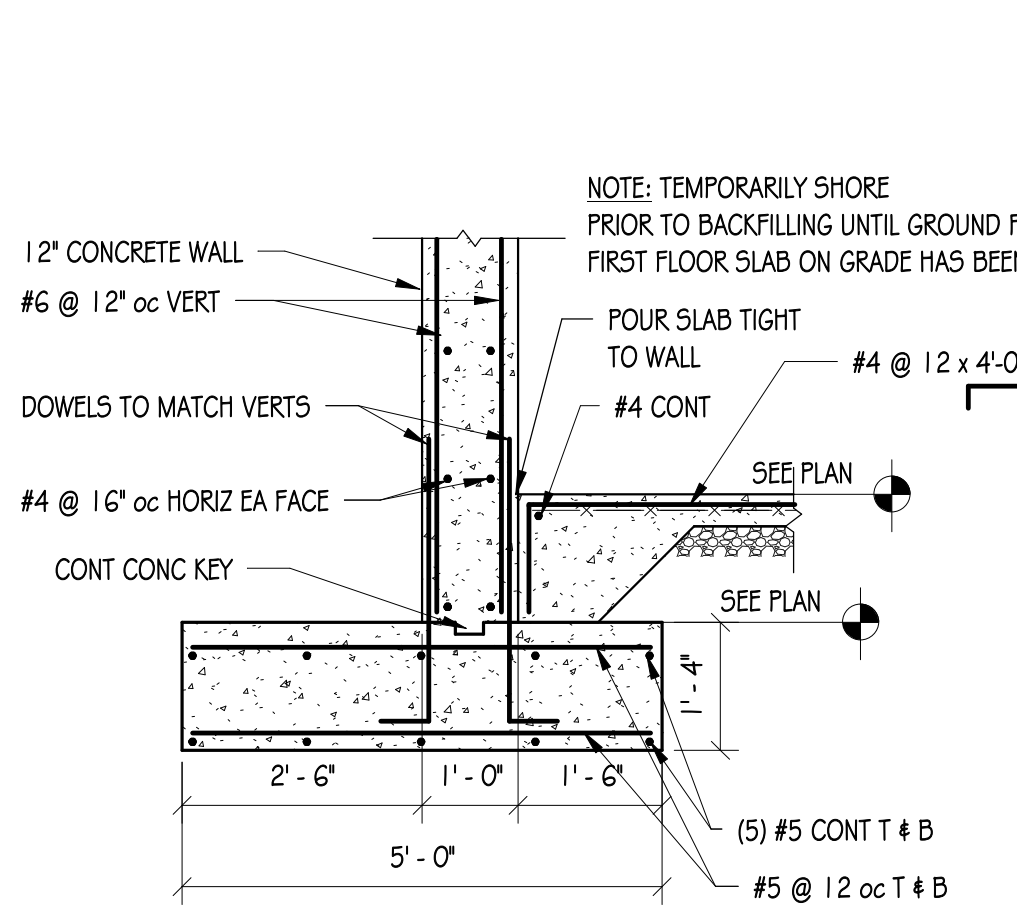
12
53.1
1/2" = 1'-0"



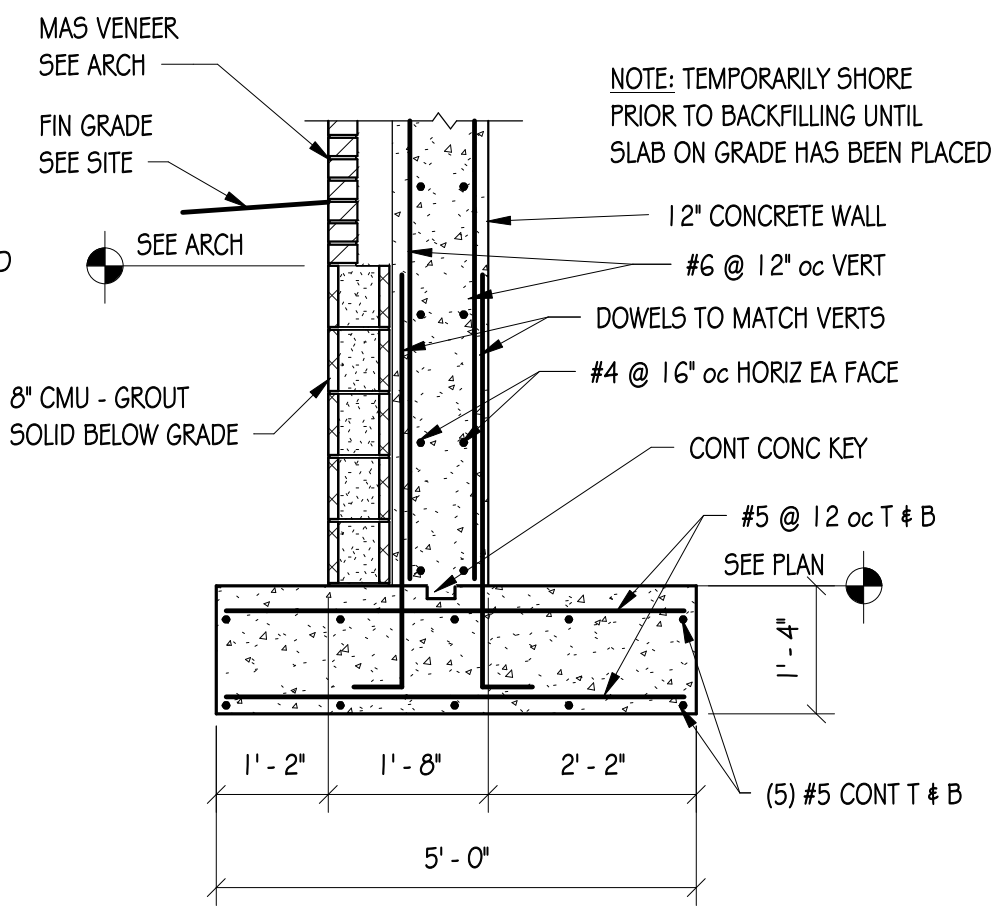
13
53.1
3/4" = 1'-0"



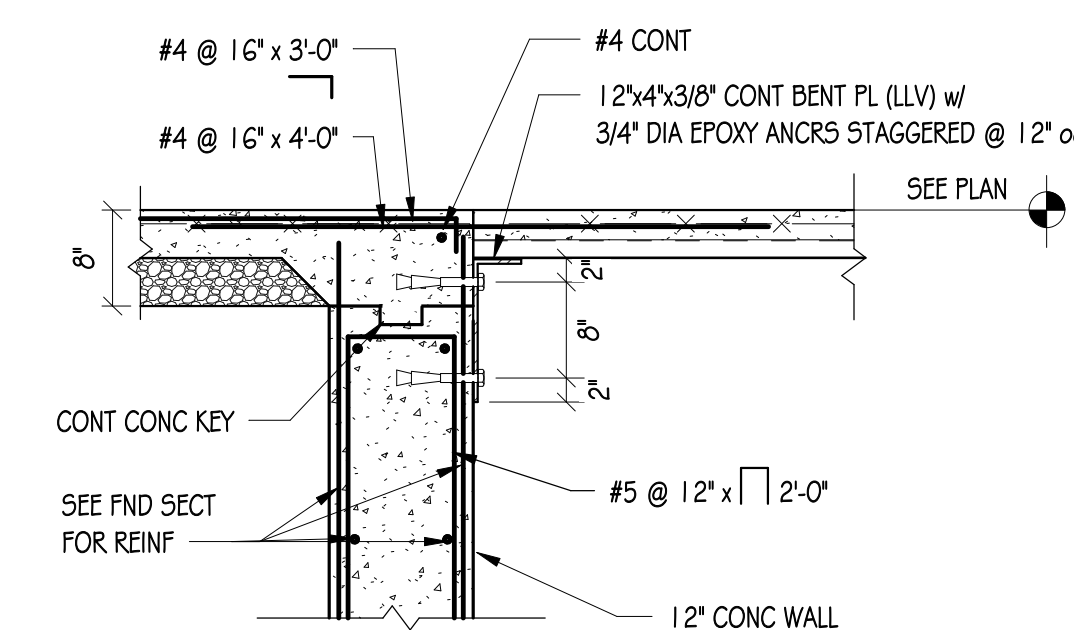
14
53.1
1/2" = 1'-0"



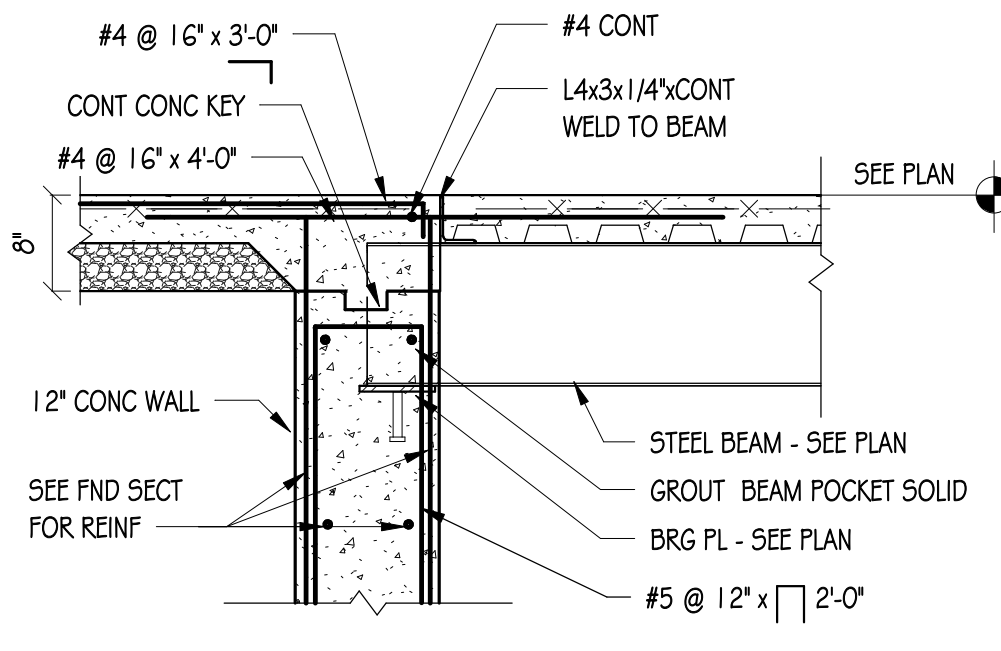
8
53.1
1/2" = 1'-0"



9
53.1
1/2" = 1'-0"



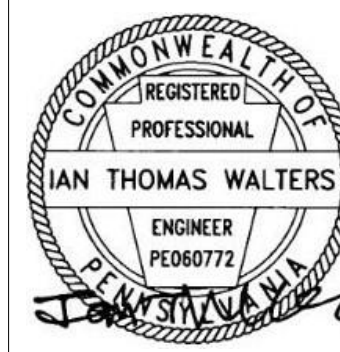
10
53.1
3/4" = 1'-0"



11
53.1
3/4" = 1'-0"

CONFORMED SET

PROJECT NO. L15870
BIA
STRUCTURAL ENGINEERS
BAKER, INGRAM & ASSOCIATES
1501 Progress Way
Suite 200
Farmingdale, New York 11735
Tel: 516-224-1100
Fax: 516-224-1101
www.bia-engineers.com



ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES IS THE FIRM, ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THIS MATERIAL HEREIN OR ANY PART THEREOF WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION. © CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

REVISIONS

NO.	DATE	NAME	DESCRIPTION OF CHANGES

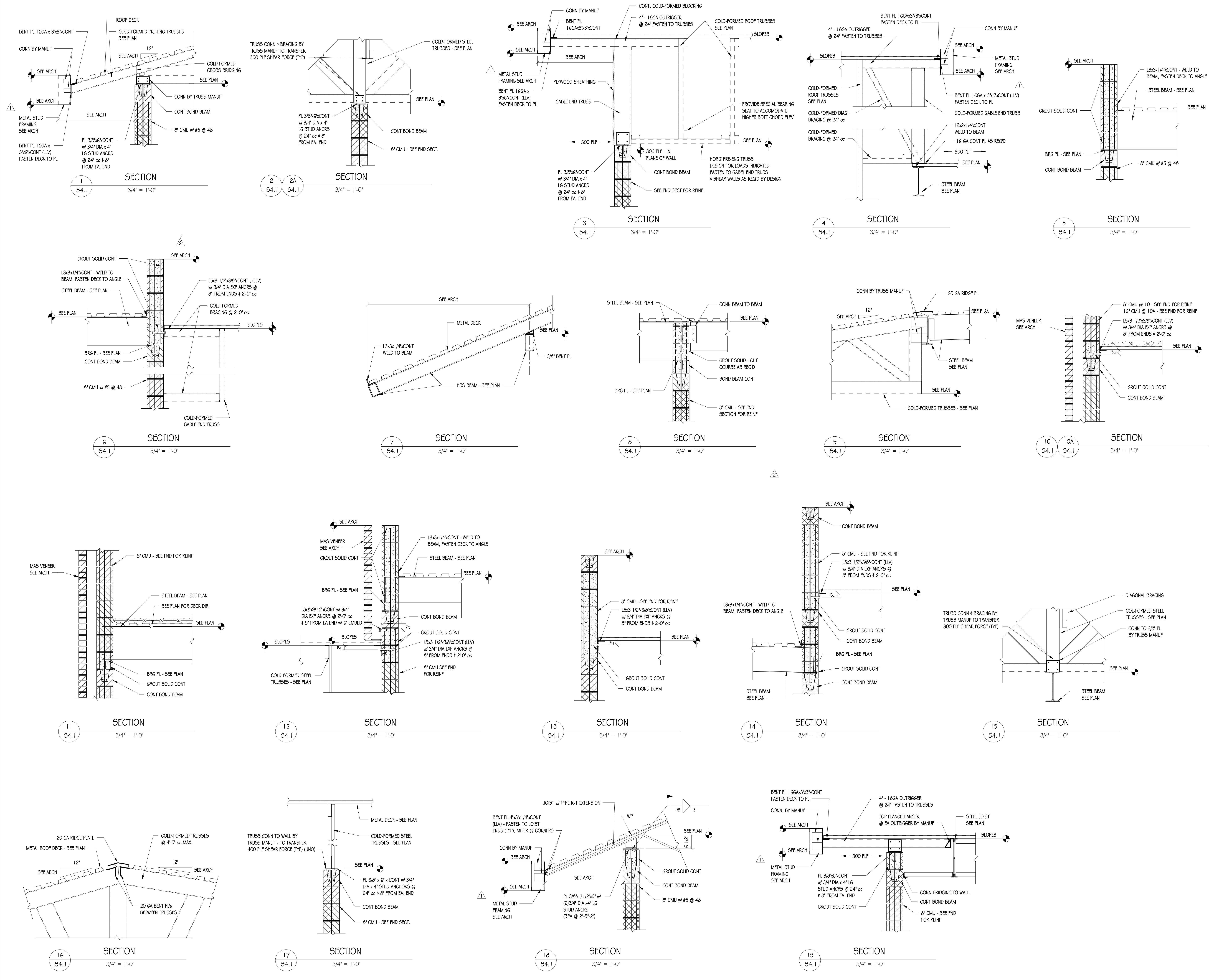
CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS
401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272
TOWSON, MARYLAND
CHARLOTTEVILLE, VIRGINIA
WHITE SULPHUR SPRINGS, WEST VIRGINIA
www.cra-architects.com

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
DECEMBER 3, 2024



FOUNDATION SECTIONS
PLOT SCALE:
As indicated
FILENAME:
DATE:
July 8, 2026

PROJECT
3706
S3.1



CONFORMED SET

PROJECT NO. 115870

BLA

STRUCTURAL ENGINEERS

BAKER, INGRAM & ASSOCIATES

REGISTERED PROFESSIONAL ENGINEER

PE000772

CRABTREE ROHRBAUGH & ASSOCIATES

REGISTERED PROFESSIONAL ARCHITECT

PE000772

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES WILL RETAIN ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION.

© CRABTREE, ROHRBAUGH & ASSOCIATES, INC. 2024

REVISIONS

NO.	DATE	NAME	DESCRIPTION OF CHANGES
1	7/23/26		ADDENDUM #1
2	8/6/26		ADDENDUM #4

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS

401 EAST WINDING HILL ROAD

MECHANICSBURG PA 17055

717-458-0272

TOWSON, MARYLAND

CHARLOTTESVILLE, VIRGINIA

WHITE SULPHUR SPRINGS, WEST VIRGINIA

NEW CONSTRUCTION FOR

NEW DISTRICT ADMINISTRATION OFFICES

THE SOLANCO SCHOOL DISTRICT

DECEMBER 3, 2024

FRAMING SECTIONS

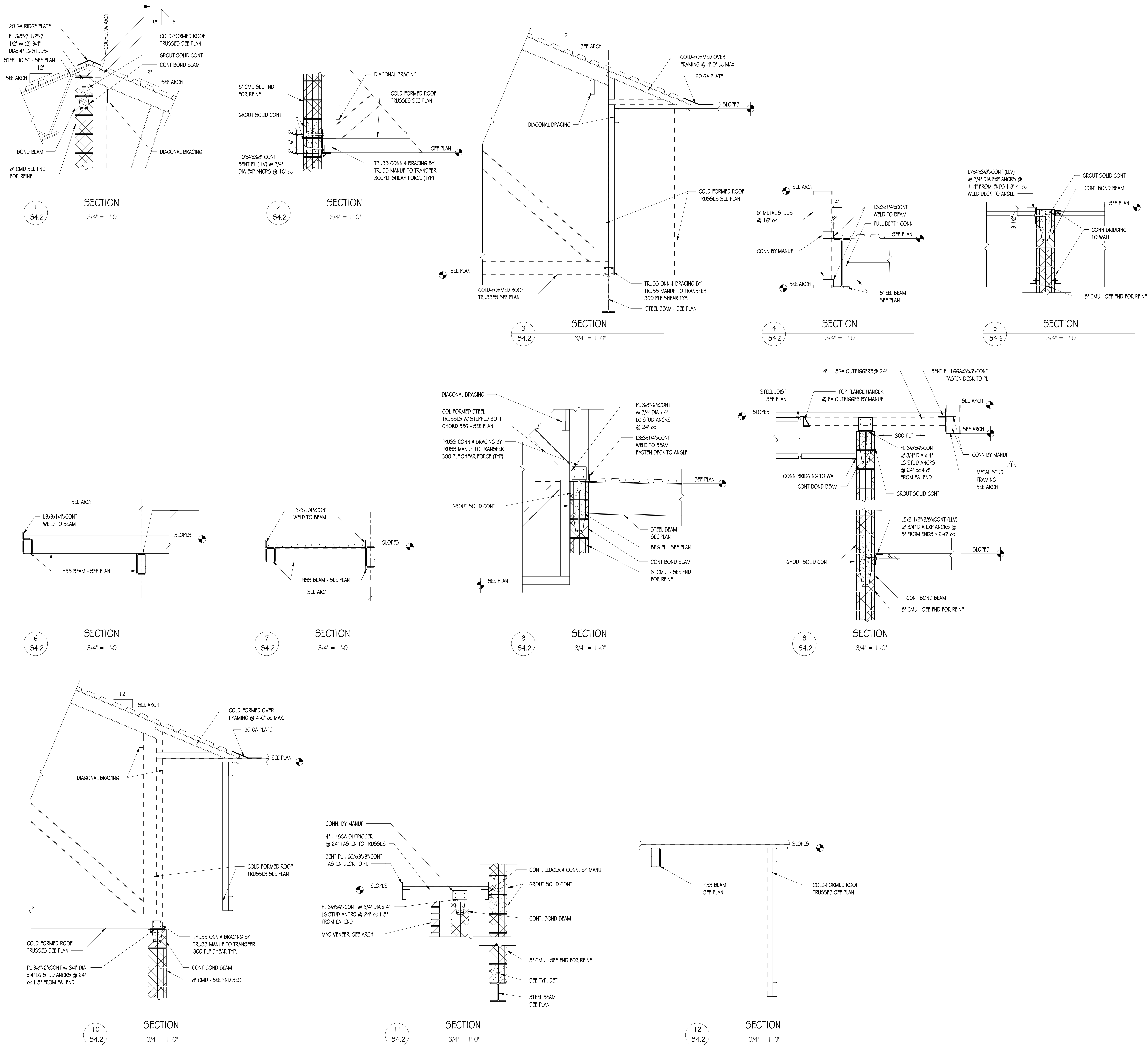
PLOT SCALE: 3/4" = 1'-0"

FILENAME:

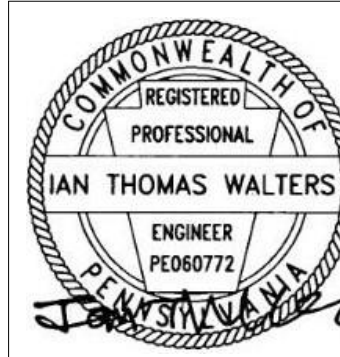
DATE: July 8, 2026

PROJECT 3706

S4.1



PROJECT NO. L19870
BIA
STRUCTURAL ENGINEERS
BAKER, INGRAM & ASSOCIATES



ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES RETAIN ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THIS MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION. © CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

REVISIONS

NO.	DATE	BY	DESCRIPTION OF CHANGES
1	7/23/26		ADDENDUM #1

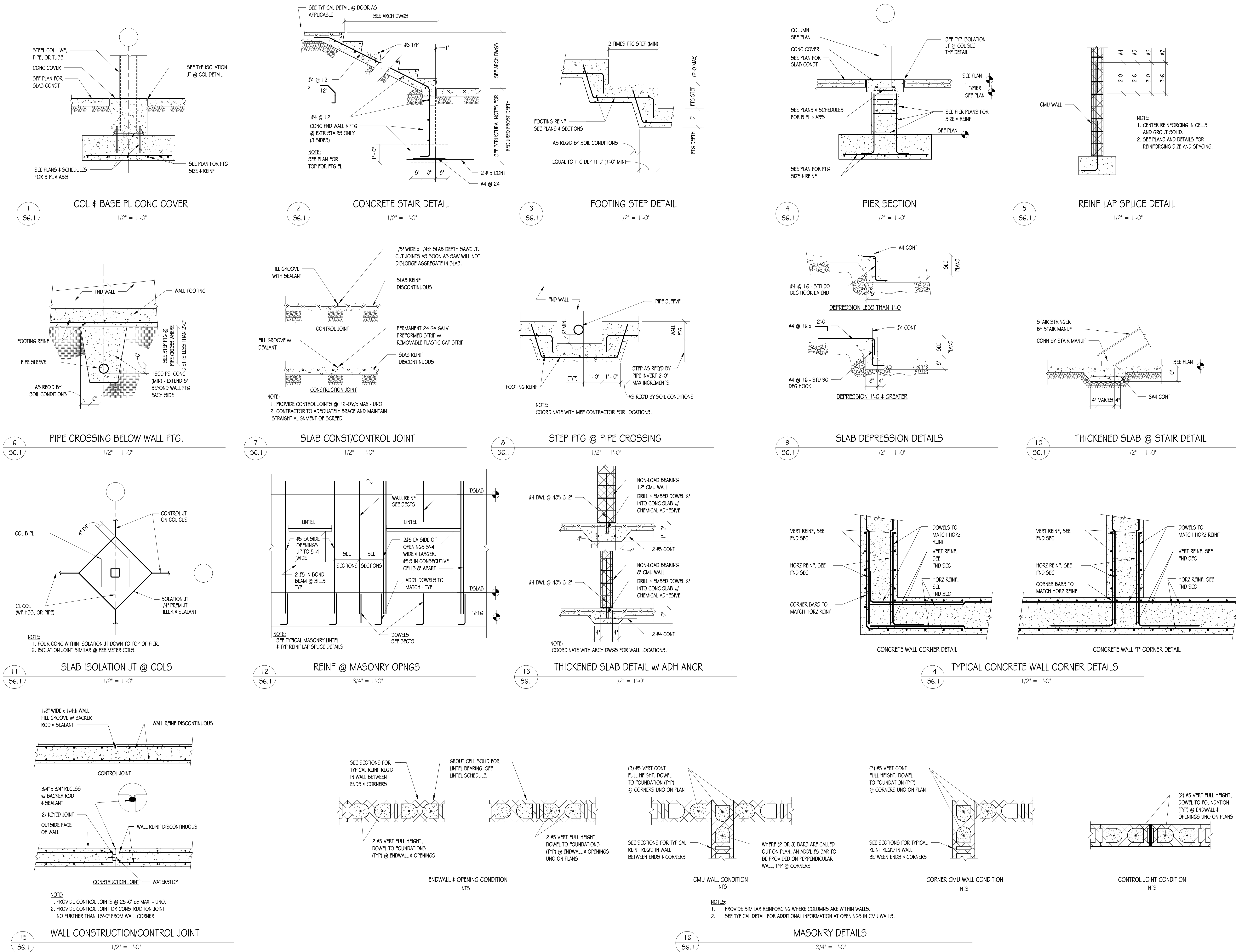
CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS
401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272
TOWSON, MARYLAND
CHARLOTTEVILLE, VIRGINIA
WHITE SULPHUR SPRINGS, WEST VIRGINIA
www.cra-architects.com

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
DECEMBER 3, 2024



FRAMING SECTIONS
PLOT SCALE:
3/4" = 1'-0"
FILENAME:
DATE:
July 8, 2026

PROJECT
3706
S4.2



CONFORMED SET

PROJECT NO. 115870

BIA
STRUCTURAL ENGINEERS
BAKER, INGRAM & ASSOCIATES

Location: Pennsylvania
State: Maryland
County: Prince George's
City: Bowie

15000 Project No.
15000 Project No.
15000 Project No.
15000 Project No.

REGISTERED
PROFESSIONAL
ENGINEER
PE000772
IAN THOMAS WALTERS

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES RESERVE ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THIS MATERIAL HEREIN OR ANY PART THEREOF WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION. © CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

REVISIONS

NO.	DATE	BY	NAME	DESCRIPTION OF CHANGES

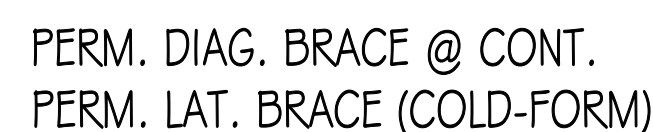
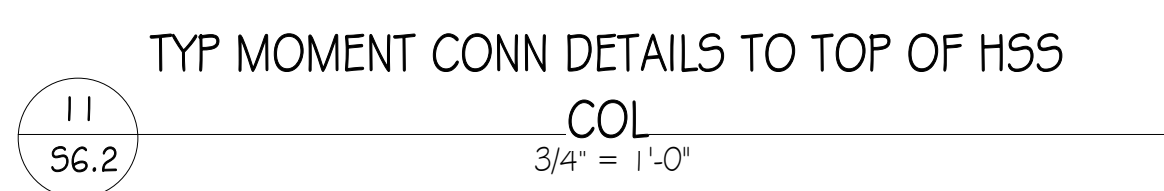
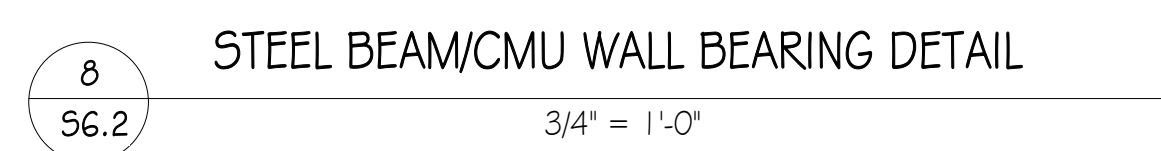
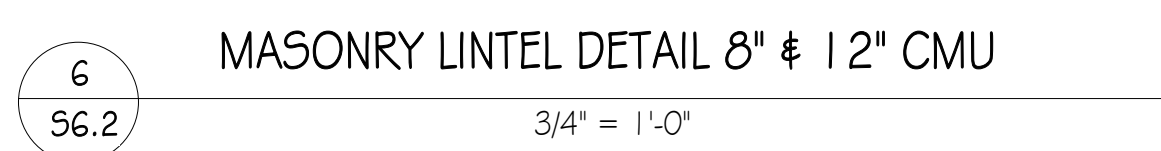
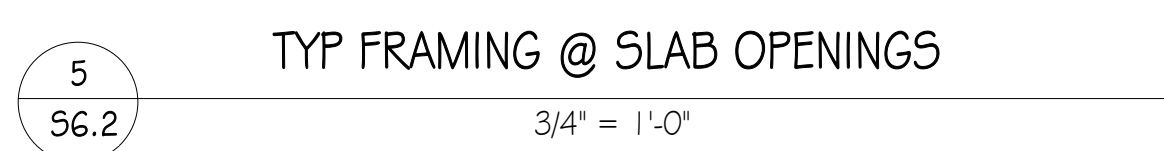
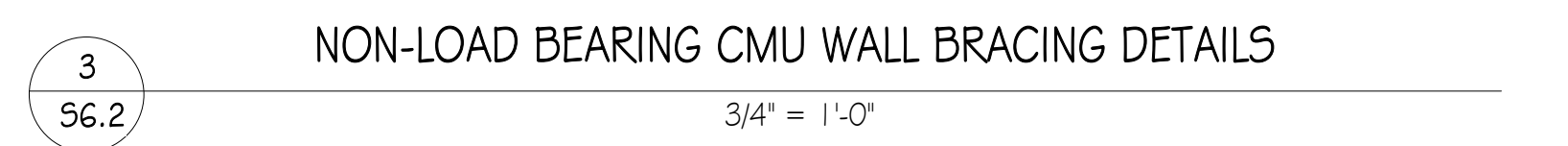
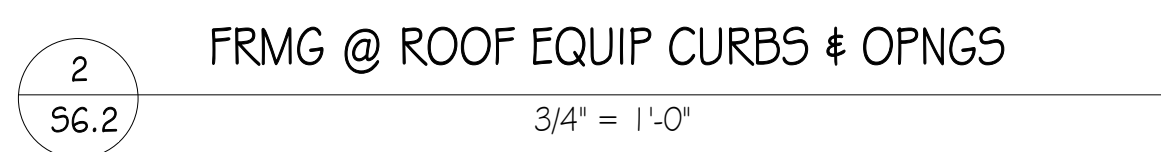
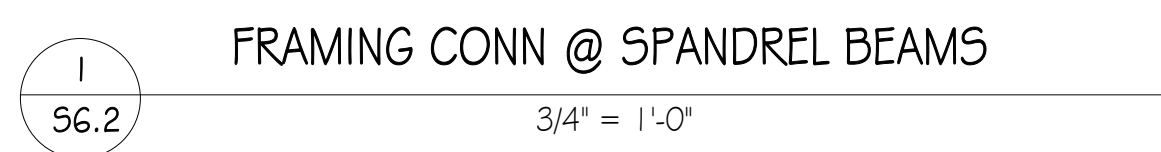
CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS
TOWSON, MARYLAND
CHARLOTTEVILLE, VIRGINIA
WHITE SULPHUR SPRINGS, WEST VIRGINIA
www.cra-architects.com

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
DECEMBER 3, 2024

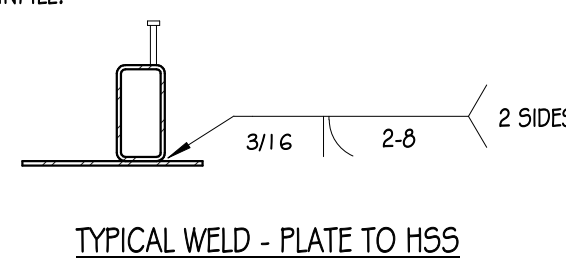
CR

401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272

TYPICAL FOUNDATION DETAILS	PROJECT 3706
PLOT SCALE: As indicated	S6.1
FILENAME:	
DATE: July 8, 2026	



TYPICAL WELD - PLATE TO HSS



MOORE
ENGINEERING COMPANY

[illegible]

www.cra-architects.com

NEW CONSTRUCTION FOR NEW DISTRICT ADMINISTRATION OFFICES

THE SOLANCO SCHOOL DISTRICT
585 SOLANCO ROAD, QUARRYVILLE, PA 17566

585 SOLANCO ROAD, QUARRYVILLE, PA 17566



LOT SCALE:
1/2" = 1'-0"

PROJECT
3706

M0.1

	DIFFUSER
	REGISTER
	SIDEWALL DIFFUSER
	SIDEWALL REGISTER
	EXHAUST LOUVER
	INTAKE LOUVER
	BALANCING DAMPER
	FIRE DAMPER
	ATC MOTORIZED DAMPER
	SQUARE DUCT ELBOW WITH TURNING VANES
	THERMOSTAT
	COMBINATION THERMOSTAT-HUMIDISTAT
	CO2 SENSOR
	CONTROL SWITCH
	HOT WATER SUPPLY PIPE
	HOT WATER RETURN PIPE
	CHILLED WATER SUPPLY PIPE
	CHILLED WATER RETURN PIPE
	REFRIGERANT PIPING
	CHECK VALVE
	SHUTOFF VALVE
	BALL VALVE
	3-WAY ATC VALVE
	2-WAY ATC VALVE
	PRESSURE REDUCING VALVE
	AIR SEPARATOR
	PRESSURE RELIEF VALVE
	BALANCING VALVE
	ROOFTOP AIR HANDLING UNIT
	INLINE EXHAUST FAN
	CEILING EXHAUST FAN
	ROOFTOP EXHAUST FAN
	ROUND GRAVITY ROOF VENTILATOR
	RECTANGULAR GRAVITY ROOF VENTILATOR
	FINNED TUBE RADIATION
	POINT OF CONNECTION NEW TO EXISTING

1. FOR THE HOT WATER SYSTEM, THE MECHANICAL CONTRACTOR SHALL PROVIDE MANUAL AIR VENTS AT ALL HIGH POINTS IN THE SYSTEM AND AT EACH JUNT AND SHALL PROVIDE DRAINS AT ALL LOW POINTS.
2. ALL REFRIGERATION PIPING SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
3. ALL REFRIGERANT PIPING SHALL BE PITCHED A MINIMUM OF 1/4" IN 10'-0" IN THE DIRECTION OF THE REFRIGERANT FLOW.
4. ALL UNDERGROUND OR CONCEALED REFRIGERATION LINES SHALL BE INSULATED WITH 1" FOAMGLASZ INSULATION BY PITTSBURGH-CORNING WITH FIRE PROTECTIVE COATING COVERING. INSTALL IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
5. ALL PIPE PENETRATIONS THROUGH CHASES, WALLS OR FLOORS WHICH ARE FIRE-RATED SHALL BE PROPERLY SEALED TO MAINTAIN FIRE PROTECTION RATING.
6. ALL DUCTS THAT PENETRATE CHASES, WALLS OR FLOORS WHICH ARE FIRE-RATED SHALL BE INSTALLED WITH FIRE DAMPERS IN ACCORDANCE WITH NFPA 90A. THIS APPLIES EVEN IF THEY ARE NOT SPECIFICALLY SHOWN ON THE DRAWINGS.
7. PROVIDE AND INSTALL RADIATION DAMPERS ON ALL DIFFUSERS, REGISTERS AND GRILLES THAT PENETRATE CEILINGS WHICH ARE FIRE-RATED BY A PART OF THE BUILDING.
8. ALL MATERIALS USED IN PLENUM CEILING AREAS SHALL BE PLENUM RATED AND MEET FLAME/SMOKE INDEXES OF 25/50.

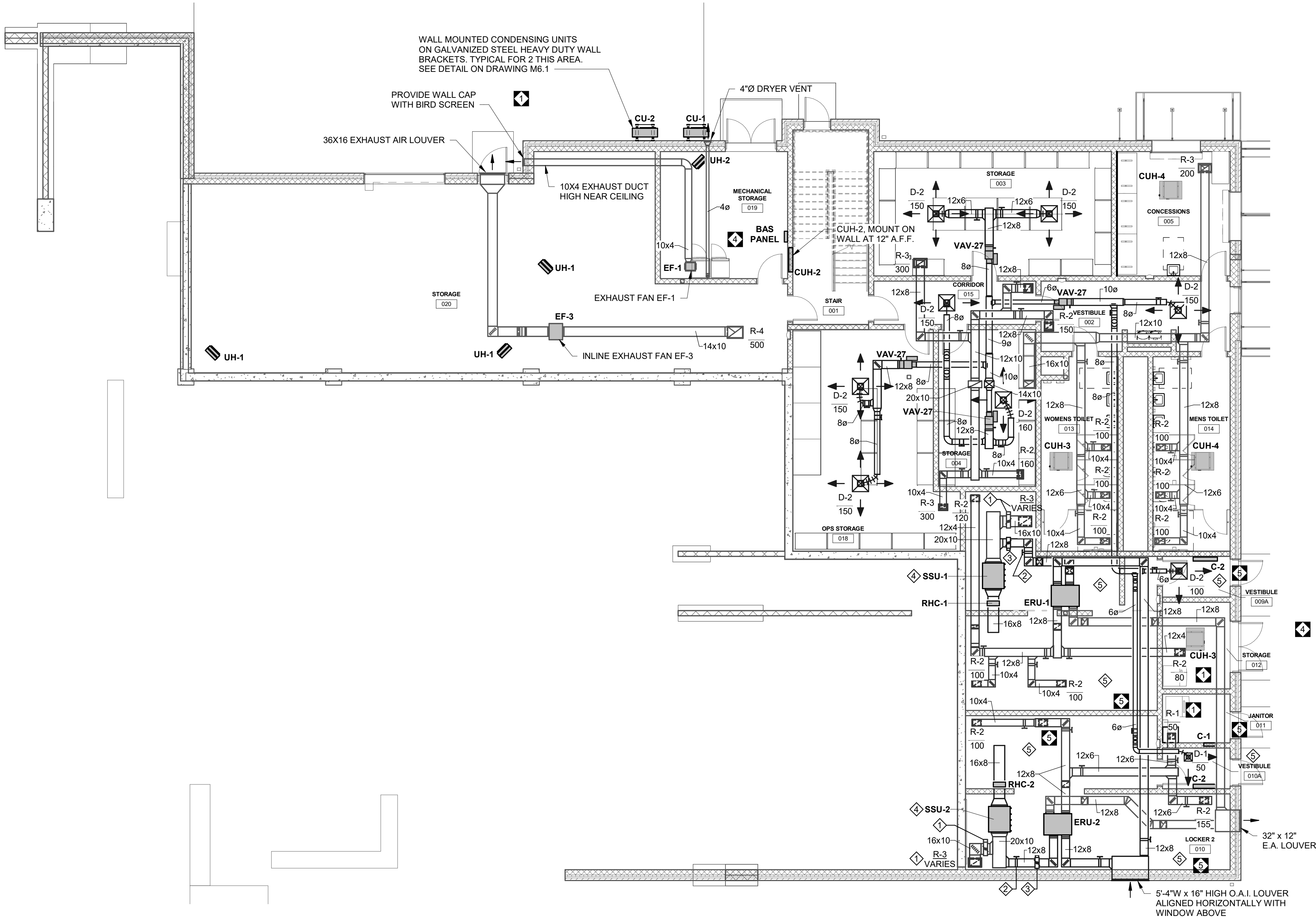
1. ANY PHYSICAL INSTALLATION MODIFICATIONS DUE TO FIELD CONDITIONS ACCORDANCE WITH THE RECOMMENDATIONS OF THE MECHANICAL ENGINEER.
2. THE ENTIRE INSTALLATION SHALL COMPLY WITH ALL CODES, LOCAL, STATE, AND NATIONAL.
3. THIS CONTRACTOR SHALL PROVIDE ALL MISCELLANEOUS STEEL AND SUPPORTS TO SUSPEND DUCTWORK AND EQUIPMENT.
4. ALL EQUIPMENT SHALL BE INSTALLED WITH VIBRATION ISOLATORS.
5. THIS CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT TO ENSURE A COMPLETE SYSTEM.
6. THIS CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES.
7. THE MECHANICAL CONTRACTOR SHALL SEAL ALL HIS RESPECTIVE WALL AND ROOF PENETRATIONS.
8. ALL ROOF OPENINGS SHALL BE BY MECHANICAL CONTRACTOR. FLASHING SHALL BE PROVIDED BY THE GENERAL CONTRACTOR. COUNTER-FLASHING WILL BE BY THE MECHANICAL CONTRACTOR.
9. THE MECHANICAL CONTRACTOR SHALL PAY FOR ALL FEES AND PERMITS AS NECESSARY TO COMPLETE THE INSTALLATION.
10. CONTRACTOR SHALL INSTALL ALL EQUIPMENT WITH ADEQUATE SERVICE CLEARANCES AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER.
11. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND PATCHING WALLS AND FLOORS FOR NEW EQUIPMENT AND MATERIALS. PATCH TO MATCH EXISTING.
12. ALL ROOFTOP EQUIPMENT REQUIRING REGULAR MAINTENANCE SHALL BE INSTALLED MINIMUM 10'-0" FROM ANY ROOF EDGE HIGHER THAN 3'. ALL ROOF ADJACENT ROOF SHALL BE AT LEAST GRADE IN ACCORDANCE WITH INTERNATIONAL MECHANICAL CODE.

2. ALL DUCTWORK SIZES NOTED ARE FREE AREA SIZES.
3. TURNING VANS SHALL BE PROVIDED IN ALL DUCT ELBOWS.
4. PROVIDE ALL DAMPERS, SPLITTERS, AND EXTRACTORS AS REQUIRED FOR PROPER AIR DISTRIBUTION IN GENERAL ACCORDANCE WITH THE STANDARDS OF THE NATIONAL ENVIRONMENTAL BALANCING BUREAU.
5. FURNISH AND INSTALL AS NECESSITATED BY EXISTING CONDITIONS ALL SUPPORT MATERIALS TO INSURE A RIGID INSTALLATION.
6. ALL SUPPLY AND RETURN DUCTWORK EXCEPT DOUBLE WALL SPIRAL ROUND DUCTWORK SHALL BE INTERNALLY LINED IN ACCORDANCE WITH THE SPECIFICATIONS.
7. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING INSTALLATION OF NEW DIFFUSERS AND REGISTERS WITH HANGING CEILING GRID AND LIGHTING FIXTURES TO BE INSTALLED BY THE GENERAL AND ELECTRICAL CONTRACTORS RESPECTIVELY. CEILING DIFFUSERS AND REGISTERS SHALL BE CENTERED ON GRID SYSTEM.
8. LENGTH OF FLEXIBLE DUCT BRANCHES SHALL NOT EXCEED 8'-0" MAXIMUM. ANY ADDITIONAL LENGTH AS NEEDED FOR INDIVIDUAL CONNECTIONS SHALL BE ACCOMPLISHED WITH ROUND RIGID DUCTWORK.
9. FLEXIBLE DUCT WILL NOT BE ACCEPTABLE FOR EXHAUST FAN INSTALLATIONS.
10. THE MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL FLEXIBLE FABRIC CONNECTION BETWEEN DUCTWORK AND FANS IN ORDER TO ISOLATE EQUIPMENT AND PREVENT VIBRATION.

DUCTWORK SIZES AND LOCATIONS ARE APPROXIMATE. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR DUCTWORK SIZE REVISIONS AS REQUIRED TO ACCOMMODATE AVAILABLE SPACE. SIZING SHALL BE BASED ON A MAXIMUM .08" PER 100FT. OF STATIC PRESSURE AND A MAXIMUM 1100 FPM AIR VELOCITY. DUCTWORK SYSTEMS SHALL BE SIZED BASED ON AVAILABLE HVAC FAN CAPACITY.

DESIGN CRITERIA		EQUIPMENT (CONTINUED)	
PD	PRESSURE DROP	EBH	ELECTRIC BASEBOARD HEATER
RH	RELATIVE HUMIDITY	RP	RADIANT PANEL
RPM	REVOLUTIONS PER MINUTE	UH	UNIT HEATER
SP	STATIC PRESSURE	EUH	ELECTRIC UNIT HEATER
ESP	EXTERNAL STATIC PRESSURE	ET	EXPANSION TANK
TSP	TOTAL STATIC PRESSURE	AS	AIR SEPARATOR
WB	WET BULB	FPV	FAN POWERED VARIABLE AIR VOLUME BOX
DB	DRY BULB	VAV	VARIABLE AIR VOLUME BOX
AMB	AMBIENT		
WPD	WATER PRESSURE DROP		
APD	AIR PRESSURE DROP		
EWT	ENTERING WATER TEMPERATURE		
LWT	LEAVING WATER TEMPERATURE		
EAT	ENTERAING AIR TEMPERATURE		
LAT	LEAVING AIR TEMPERATURE		
PRV	PRESSURE REDUCING VALVE		
BBD	BOILER BLOWDOWN		
<u>DEVICES</u>		<u>GENERAL</u>	
D	DIFFUSER	TYP	TYPICAL
R	REGISTER	AFF	ABOVE FINISHED FLOOR
L	LOUVER	TFB	TO FLOOR BELOW
FD	FIRE DAMPER	TFA	TO FLOOR ABOVE
FSD	FIRE/SMOKE DAMPER	FFA	FROM FLOOR ABOVE
SD	SMOKE DAMPER	FFB	FROM FLOOR BELOW
BD	BALANCING DAMPER	AFF	ABOVE FINISHED FLOOR
MOD	MOTOR OPERATED DAMPER	SA	SUPPLY AIR
ATC	AUTOMATIC TEMPERATURE CONTROL	RA	RETURN AIR
		OA	OUTSIDE AIR
		EA	EXHAUST AIR
		T.O.	TRANSFER OPENING
		T.O. (E)	EXISTING TRANSFER OPENING
		CLG	CEILING
		ETR	EXISTING TO REMAIN
		EC	ELECTRICAL CONTRACTOR
		FPC	FIRE PROTECTION CONTRACTOR
		GC	GENERAL CONTRACTOR
		MC	MECHANICAL CONTRACTOR
		PC	PLUMBING CONTRACTOR
		B.O.D.	BOTTOM OF DUCT
		C.O.D.	CENTER OF DUCT
<u>ELECTRICAL</u>		<u>HYDRONIC</u>	
FLA	FULL LOAD AMPS	C	CONDENSATE DRAIN
MCA	MAXIMUM CURRENT AMPS	GPM	GALLONS PER MINUTE
MOP	MAXIMUM OVERCURRENT PROTECTION	GPH	GALLONS PER HOUR
GA	GAUGE	HWS	HEATING HOT WATER SUPPLY
		HWR	HEATING HOT WATER RETURN
		CWS	CHILLED WATER SUPPLY
		CWR	CHILLED WATER RETURN
		CS	CONDENSER WATER SUPPLY
		CR	CONDENSER WATER RETURN
		HPS	HIGH PRESSURE STEAM
		MPS	MEDIUM PRESSURE STEAM
		LPS	LOW PRESSURE STEAM
		PC	CONDENSATE PUMPED
		HSD	HUMIDIFIER STEAM DISCHARGE
		FOS	FUEL OIL SUPPLY
		FOR	FUEL OIL RETURN
		R	REFRIGERANT PIPING
<u>EQUIPMENT</u>			
EF	EXHAUST FAN		
AHU	AIR HANDLING UNIT		
RTU	ROOFTOP AIR HANDLING UNIT		
RTAC	ROOFTOP AIR CONDITIONING UNIT		
HRU	ENERGY RECOVERY UNIT		
DOAS	DEDICATED OUTDOOR AIR UNIT		
AC	AIR CONDITIONER		
UV	UNIT VENTILATOR		
FCU	FAN COIL UNIT		
PTAC	PACKAGED TERMINAL AIR CONDITIONER		
CU	CONDENSING UNIT		
CT	COOLING TOWER		
CHL	CHILLER		
B	BOILER		
P	PUMP		
C	CONVECTOR		
CH	CABINET HEATER		
ECH	ELECTRIC CABINET HEATER		
FT	FINNED TUBE RADIATION		
BH	BASEBOARD HEATER		

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS



1 GROUND FLOOR HVAC
1/8" = 1'-0"

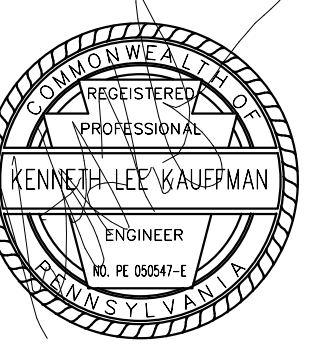
DRAWING NOTES:

1. ADJUST TO 200 CFM DURING OCCUPIED MODE AND 600 CFM DURING UNOCCUPIED MODE.
2. ADJUST TO 400 CFM.
3. MOTOR OPERATED DAMPER INTERLOCKED WITH SSU.
4. ADJUST SSU TO 600 CFM.
5. AIR DEVICES IN THIS SPACE SHALL HAVE FRAME STYLES SUITABLE FOR AREAS WITH NO CEILINGS. NO FLEXIBLE DUCTWORK IN THIS AREA.

CONFORMED SET



3637 Columbia Avenue
Lancaster, PA 17603
P: 717.286.3141
MooreEngineering.com



ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES RESERVE ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THIS MATERIAL HEREIN OR SUBSTANTIAL PARTS THEREOF WITHOUT PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION.
© CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

REVISIONS

NO.	DATE	NAME	DESCRIPTION OF CHANGES
1	07/23/26		ADDENDUM 1
4	06/06/26		ADDENDUM 4
5	08/12/26		ADDENDUM 5

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS
401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272

www.cra-architects.com

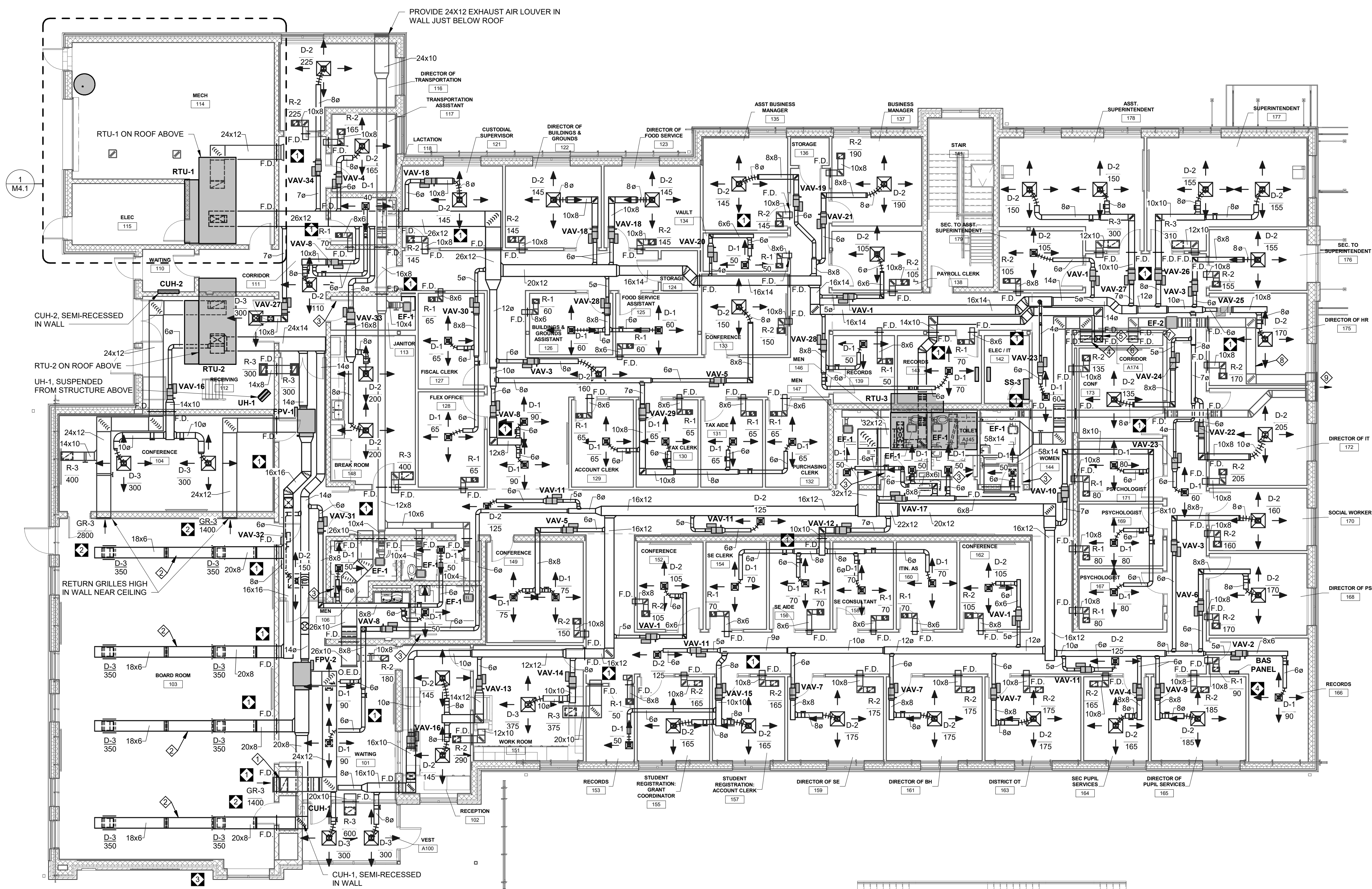
TOWSON, MARYLAND
CHARLOTTEVILLE, VIRGINIA
WHITE SULPHUR SPRINGS, WEST VIRGINIA

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
585 SOLANCO ROAD, QUARRYVILLE, PA 17566

CR

GROUND FLOOR HVAC
PLOT SCALE:
1/8" = 1'-0"
FILENAME:
DATE:
JULY 8, 2026

PROJECT
3706
M2.1



1 FIRST FLOOR HVAC
1/8" = 1'-0"

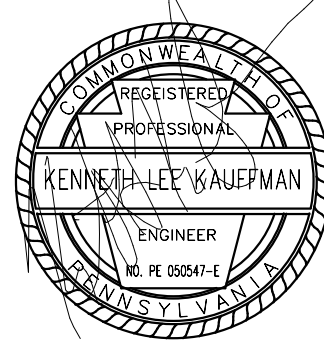
DRAWING NOTES:

1. M.C. SHALL RUN RETURN AIR DUCT DOWN IN MASONARY CHASE WALL TO LOW RETURN AT 12" A.F.F.
2. RUN DUCT IN JOISTS SPACE.
3. ARCHITECT TO PROVIDE DOOR UNDERCUT THIS DOOR.
4. 20X10 RETURN AIR DUCT DOWN, PROVIDE FIRE DAMPER AT FLOOR.
5. 14X10 SUPPLY AIR DUCT DOWN, PROVIDE FIRE DAMPER AT FLOOR.
6. 16X10 EXHAUST DUCT DOWN, PROVIDE FIRE DAMPER AT FLOOR.
7. INLINE EXHAUST FAN EF-2
8. 16X0 EXHAUST DUCT ABOVE CEILING
9. PROVIDE 48X12 EXHAUST AIR LOUVER IN WALL JUST BELOW ROOF.

CONFORMED SET



3637 Columbia Avenue
Lancaster PA 17603
P. 717.286.3141
MooreEngineering.com



ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES RESERVE ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION. © CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

REVISIONS

NO.	DATE	DESCRIPTION OF CHANGES
1	07/23/26	ADDENDUM 1
2	07/28/26	ADDENDUM 2
3	08/04/26	ADDENDUM 3
4	08/06/26	ADDENDUM 4

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS
401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272

www.cra-architects.com

TOWSON, MARYLAND
CHARLOTTEVILLE, VIRGINIA
WHITE SULPHUR SPRINGS, WEST VIRGINIA

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
585 SOLANCO ROAD, QUARRYVILLE, PA 17566



FIRST FLOOR HVAC PLAN

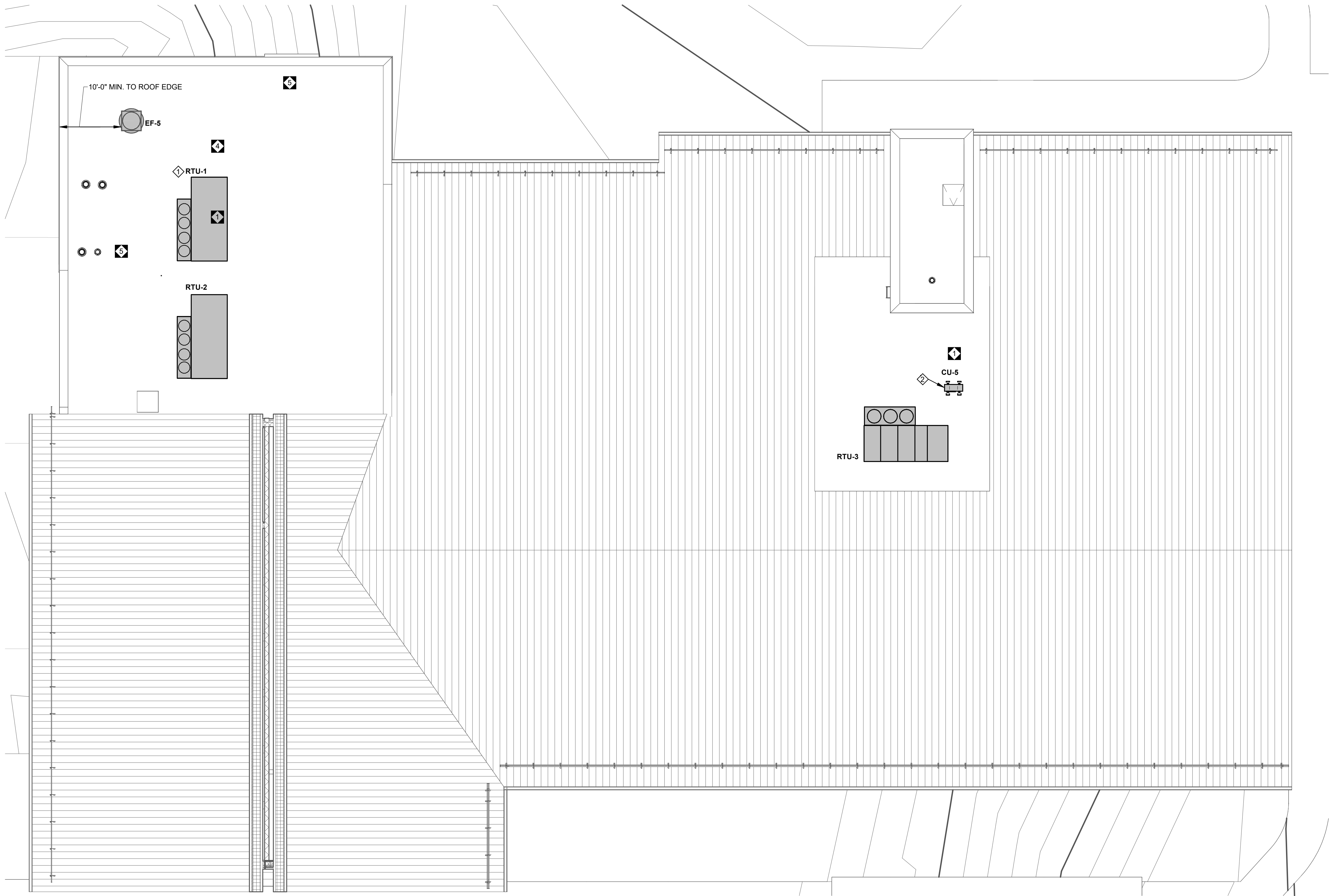
PLOT SCALE:
1/8" = 1'-0"

FILENAME:

DATE:
JULY 8, 2026

PROJECT
3706

M2.2



1 MECHANICAL ROOF PLAN
1/8" = 1'-0"

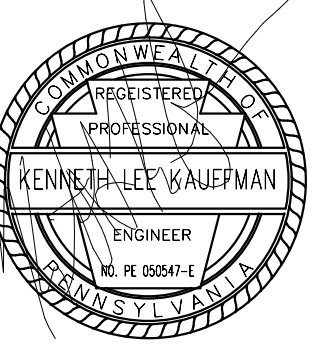
- DRAWING NOTES:**
1. MAINTAIN 10'-0" MINIMUM DISTANCE FROM EXHAUST FAN TO INTAKE ON RTU-1.
 2. MOUNT CU-5 ON 24" HIGH EQUIPMENT SUPPORT CURBS ON ROOF.

CONFORMED SET



MOORE
ENGINEERING COMPANY

3637 Columbia Avenue
Lancaster PA 17603
P: 717.286.3141
MooreEngineering.com



ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES RESERVE ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION.
© CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

REVISIONS

NO.	DATE	NAME	DESCRIPTION OF CHANGES
1	07/23/26		ADDENDUM 1
4	08/06/26		ADDENDUM 4
5	08/12/26		ADDENDUM 5

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS

401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272

TOWSON, MARYLAND
CHARLOTTEVILLE, VIRGINIA
WHITE SULPHUR SPRINGS, WEST VIRGINIA

www.cra-architects.com

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
585 SOLANCO ROAD, QUARRYVILLE, PA 17566

CR

MECHANICAL ROOF PLAN

PLOT SCALE:

1/8" = 1'-0"

FILENAME:

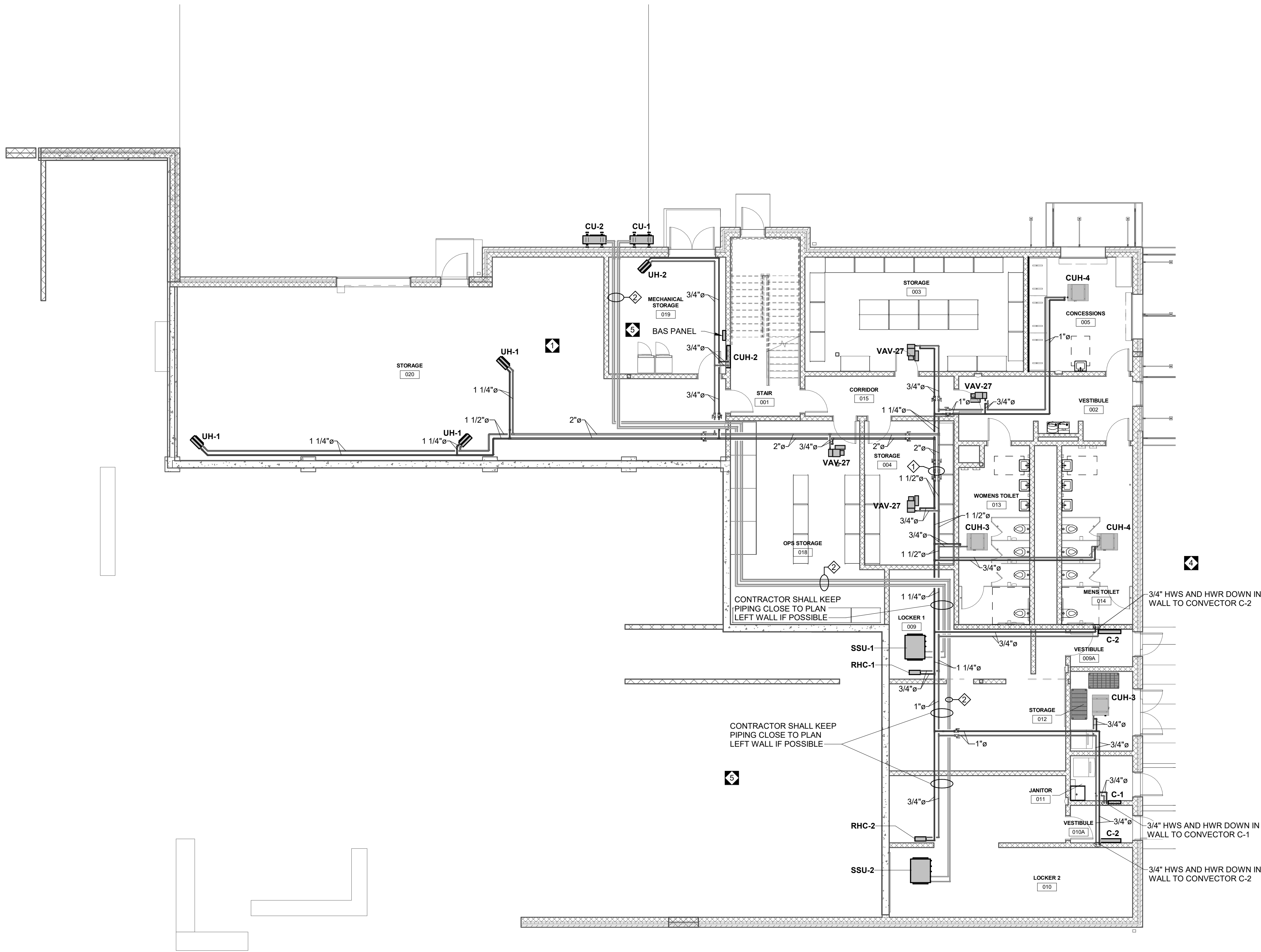
DATE:

JULY 8, 2026

PROJECT
3706

M2.3

① GROUND FLOOR HVAC PIPING
1/8" = 1'-0"

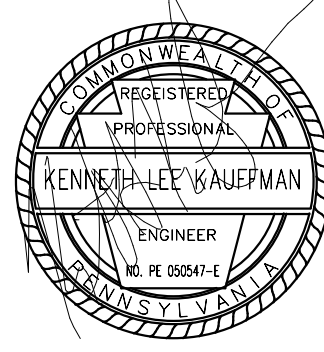


- DRAWING NOTES:**
- 2-1/2" HWS AND HWR PIPING UP INTO CHASE ABOVE.
 - PROVIDE REFRIGERANT PIPING AS HIGH AS POSSIBLE.

CONFORMED SET



3637 Columbia Avenue
Lancaster PA 17603
P: 717.286.3141
MooreEngineering.com



ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES HEREBY DISCLAIM ALL LIABILITY AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THIS MATERIAL HEREIN OR ANY PART THEREOF WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION. © CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

REVISIONS

NO.	DATE	BY	NAME	DESCRIPTION OF CHANGES
1	07/23/26			ADDENDUM 1
4	08/06/26			ADDENDUM 4
5	08/12/26			ADDENDUM 5

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS

www.cra-architects.com

TOWSON, MARYLAND

CHARLOTTESVILLE, VIRGINIA

WHITE SULPHUR SPRINGS, WEST VIRGINIA

401 EAST WINDING HILL ROAD

MECHANICSBURG PA 17055

717-458-0272

NEW CONSTRUCTION FOR

NEW DISTRICT ADMINISTRATION OFFICES

THE SOLANCO SCHOOL DISTRICT

585 SOLANCO ROAD, QUARRYVILLE, PA 17566



GROUND FLOOR HVAC
PIPING PLAN

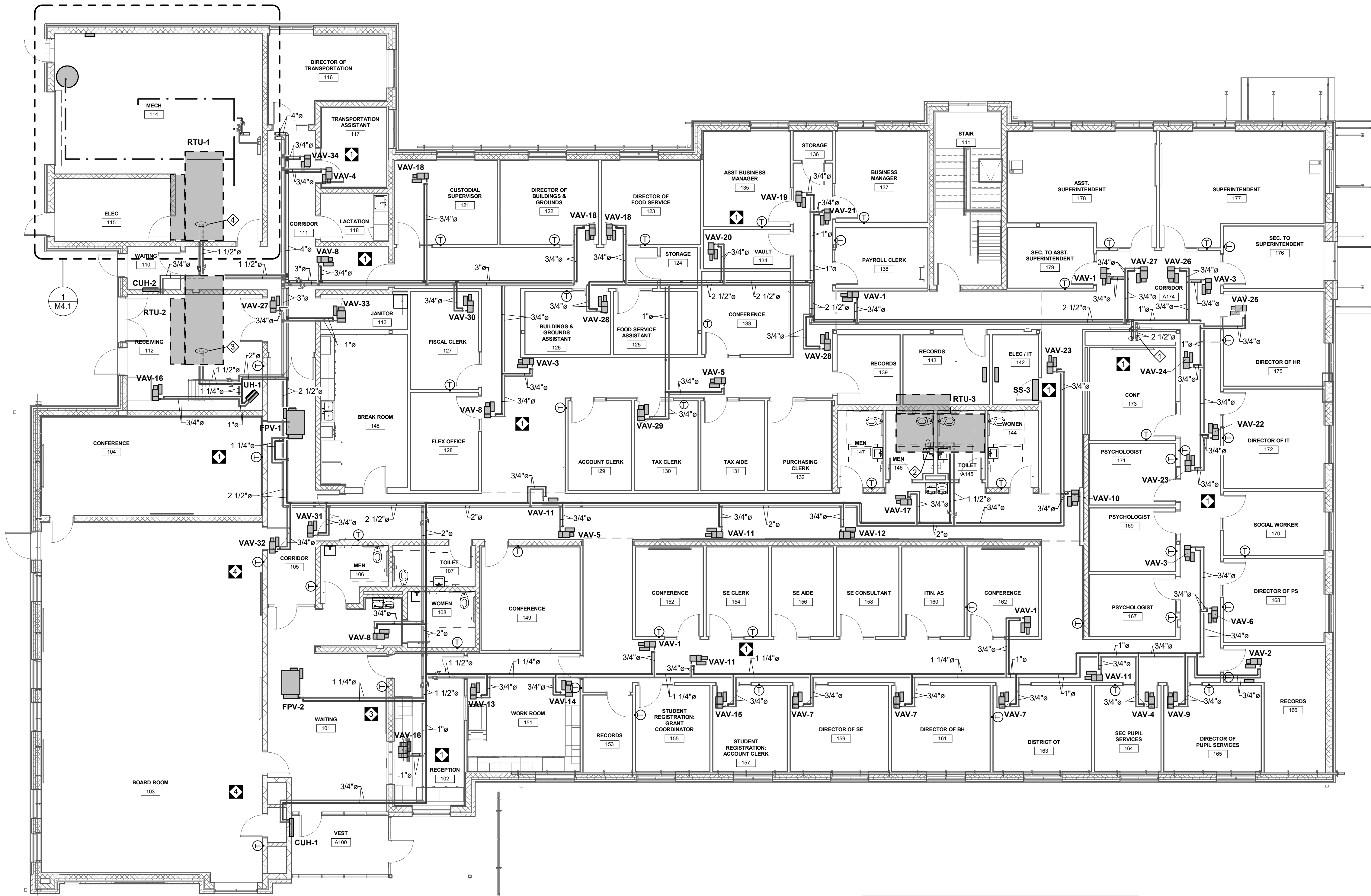
PLOT SCALE:
1/8" = 1'-0"

FILENAME:

DATE:
JULY 8, 2026

PROJECT
3706

M3.1



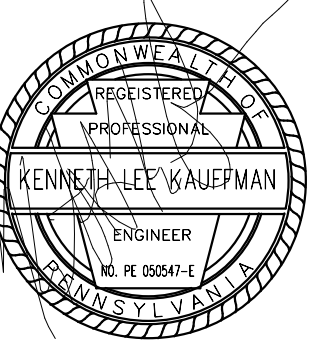
1 FIRST FLOOR HVAC PIPING
1/8" = 1'-0"

- DRAWING NOTES:**
- 2-1/2" HWS AND HWR PIPING DOWN IN CHASE.
 - 1-1/2" HWS AND HWR PIPING UP TO RTU-3.
 - 1-1/2" HWS AND HWR PIPING UP TO RTU-2.
 - 1-1/2" HWS AND HWR PIPING UP TO RTU-1.

CONFORMED SET

MOORE
ENGINEERING COMPANY

3637 Columbia Avenue
Lancaster PA 17603
P: 717.286.5141
MooreEngineering.com



ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES RETAIN ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION.
© CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

REVISIONS

NO.	DATE	NAME	DESCRIPTION OF CHANGES
1	07/23/26		ADDENDUM 1
3	08/04/26		ADDENDUM 3
4	08/06/26		ADDENDUM 4

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS
401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272

www.cra-architects.com
TOWSON, MARYLAND
CHARLOTTEVILLE, VIRGINIA
WHITE SULPHUR SPRINGS, WEST VIRGINIA

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
585 SOLANCO ROAD, QUARRYVILLE, PA 17566

CR

FIRST FLOOR HVAC PIPING
PLAN

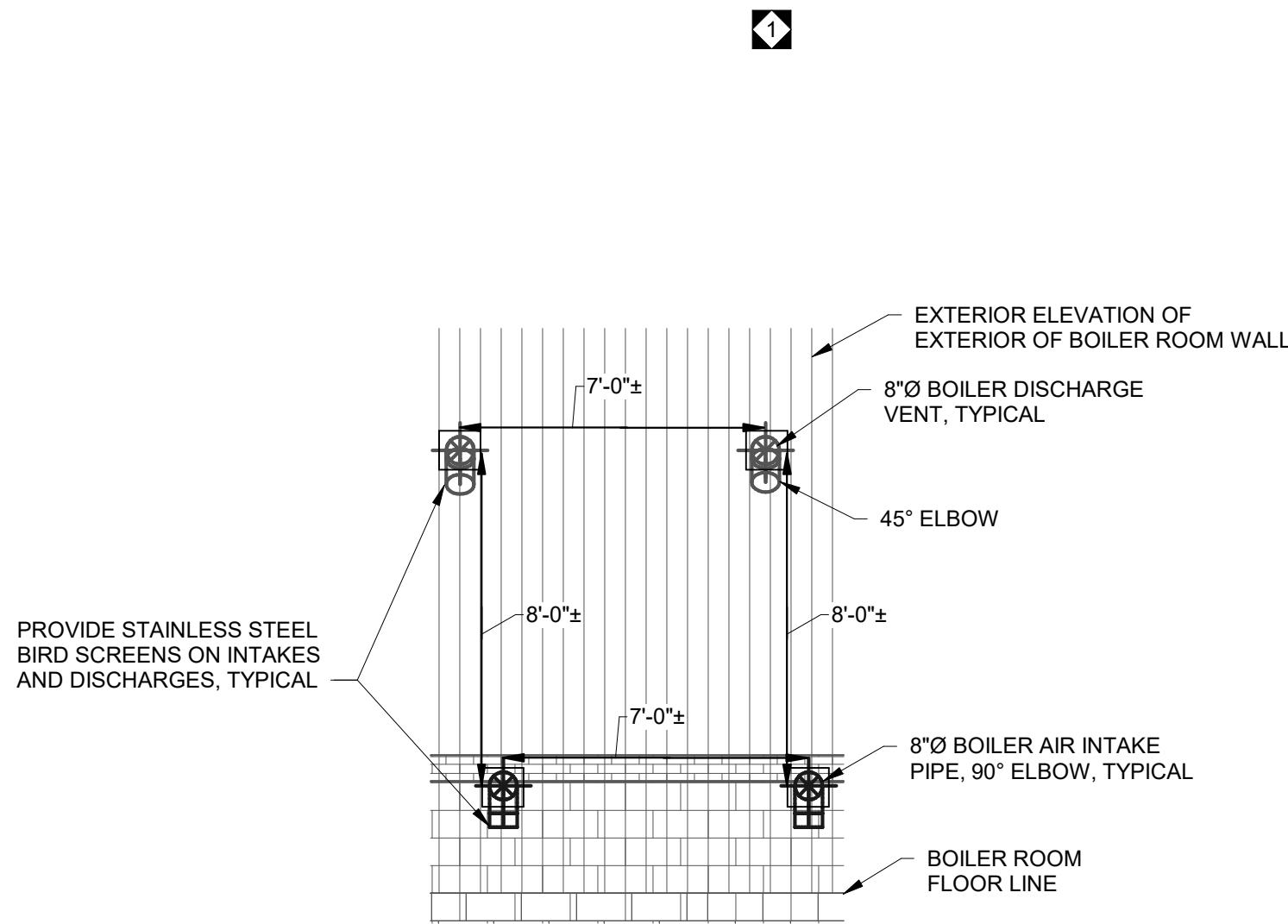
PLOT SCALE:
1/8" = 1'-0"

FILENAME:

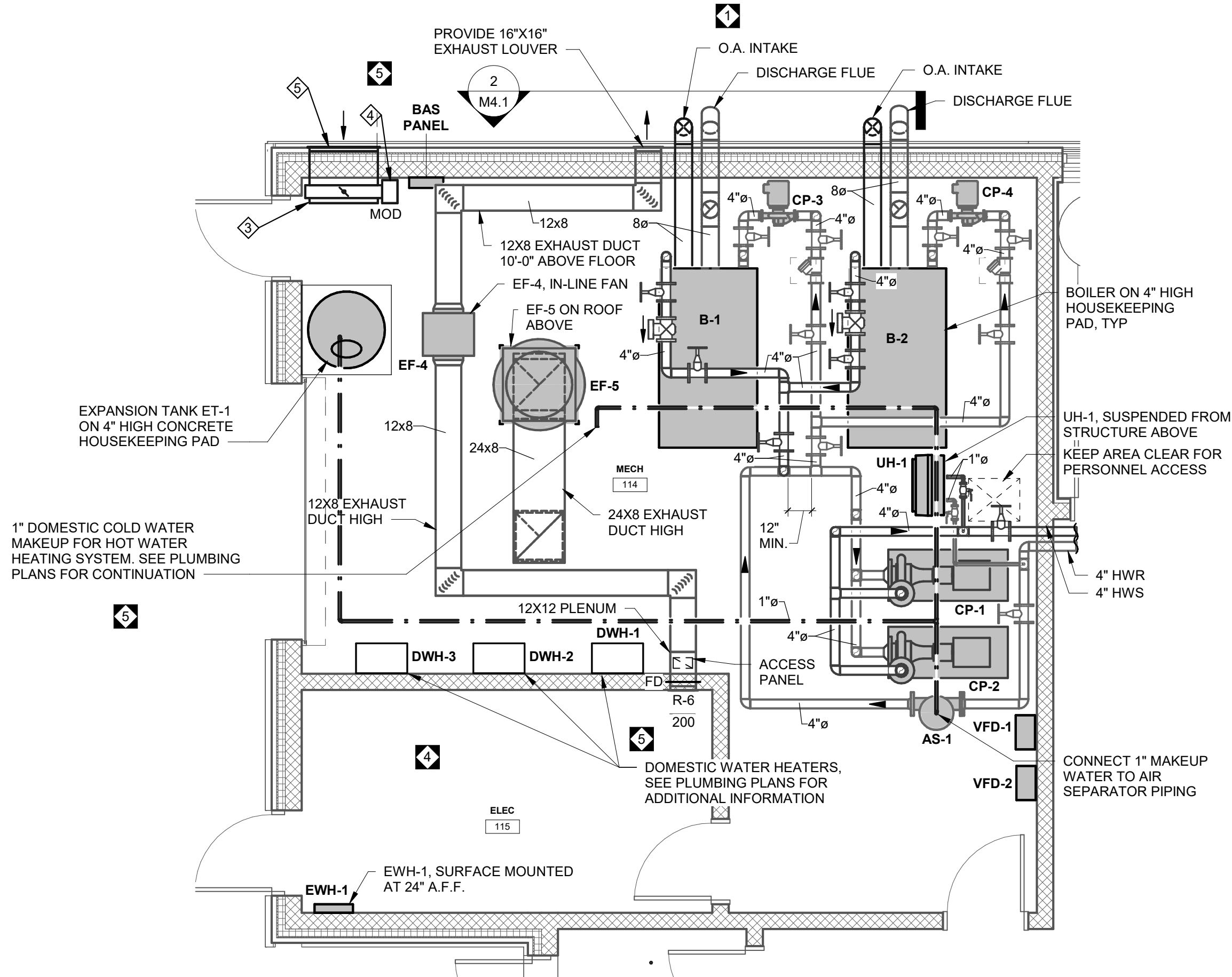
DATE:
JULY 8, 2026

PROJECT
3706

M3.2



2 BOILER INTAKE AND DISCHARGE VENT SECTION
NO SCALE



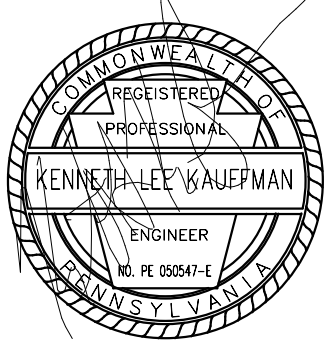
1 ENLARGED MECHANICAL ROOM
1/4" = 1'-0"

- DRAWING NOTES:**
- CP-4 SUSPENDED FROM STRUCTURE ABOVE, MOUNT ABOVE FLOOR AT 12" HIGHER THAN HEIGHT OF BOILER, TYPICAL FOR 2.
 - AIR SEPARATOR WITH HIGH CAPACITY AIRVENT, BLOWDOWN CONNECTIONS, SEE DETAIL.
 - PROVIDE TWO 32X32 X8 DEEP PLENUMS ON THE BACKS OF THE OUTSIDE AIR INTAKE LOUVERS.
 - PROVIDE MOTOR OPERATED DAMPERS IN EACH OF THE TWO 32X32X8 PLENUMS.
 - PROVIDE TWO 32X32 OUTSIDE AIR INTAKE LOUVERS AT 8" A.F.F. AND AT 10'-0" A.F.F.
 - PROVIDE 1" DOMESTIC COLD WATER MAKEUP LINE TIED INTO AIR SEPARATOR, PROVIDE VALVE AT SEPARATOR TIE-IN LOCATION. SEE PLUMBING DRAWINGS FOR CONNECTION TO DOMESTIC COLD WATER SYSTEM.

CONFORMED SET



3637 Columbia Avenue
Lancaster PA 17603
P: 717.286.5141
MooreEngineering.com



ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES RESERVE ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THIS MATERIAL HEREIN BY ANY MEANS, IN ANY FORM, WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION.
© CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

REVISIONS

NO.	DATE	NAME	DESCRIPTION OF CHANGES
1	07/23/26		ADDENDUM 1
4	09/06/26		ADDENDUM 4
5	08/12/26		ADDENDUM 5

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS
401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272

TOWSON, MARYLAND
CHARLOTTEVILLE, VIRGINIA
WHITE SULPHUR SPRINGS, WEST VIRGINIA
www.cra-architects.com

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
585 SOLANCO ROAD, QUARRYVILLE, PA 17566

CR

ENLARGED MECHANICAL
ROOM PLAN

PLOT SCALE:
NO SCALE

FILENAME:

DATE:

JULY 8, 2026

PROJECT
3706

M4.1

SYMBOL	GROSS TOTAL COOLING MBH	GROSS SENSIBLE COOLING MBH	EAT D.B.°F	AMB D.B.°F	CFM	O/A	E.S.P. INCHES W.G.	CONDENSER FANS		EVAPORATOR FAN		COMPRESSOR		ELECTRICAL UNIT		HEATING							MANUFACTURER AND MODEL NUMBER
								FLA	VOLTAGE	HP/FLA	VOLTAGE	RLA	VOLTAGE	MCA	MOP AMPS	EAT	LAT	HTG. MBH	EWT	LWT	GPM	MIN. EFFICIENCY EER	
RTU-1	143.8	123.1	82.0	95.0	4000	900	2.0"	8.4	208V/3Ø	3 HP	208V/3Ø	21.2+23.7	208V/3Ø	70.9	90.0	90.0	43.0	248.4	180	150	16.9	11.2	TRANE HORIZON SIZE D012 OADG012C1
RTU-2	170.4	113.6	80.7	95.0	3500	1100	1.5"	8.4	208V/3Ø	3 HP	208V/3Ø	27.7+25.6	208V/3Ø	77.6	100.0	100.0	46.9	221.4	180	150	14.7	11.1	TRANE HORIZON SIZE D012 OADG012C1
RTU-3	177.4	143.3	78.7	95.0	4875	1200	1.5"	8.4	208V/3Ø	5 HP	208V/3Ø	27.7+25.6	208V/3Ø	85.8	110.0	110.0	55.0	244.8	180	150	16.7	10.6	TRANE HORIZON SIZE D012 OADG015C1
										⚡									⚡				⚡

TOR

SYMBOL	CFM	COOLING MBH	E.S.P.	MIN. CFM	EAT	LAT	EWT	LWT	GPM	CAPACITY MBH	INDOOR FAN	OUTDOOR FAN	COMPRESSOR	REMARKS
SSU-1/CU-1 & RHC-1	600	18.0	0.7"	360	60.0	85.0	180	150	1.1	16.2	1/2 HP	1/4 HP		
SSU-2/CU-2 & RHC-2	600	18.0	0.7"	360	60.0	85.0	180	150	1.1	16.2	1/2 HP	1/4 HP		
NOTES: 1. PROVIDE GALVANIZED STEEL WALL BRACKETS TO SUPPORT THE CONDENSING UNITS ON EXTERIOR WALL AT 24" ABOVE FINISHED GRADE LEVELS. FOR CU-1 AND CU-2.														

101

[illegible]

SYMBOL	CFM RANGE SEE NOTE 1	NECK SIZE INCHES	FACE SIZE INCHES	MATERIAL SEE NOTE 2	BASIS OF DESIGN MANUFACTURER AND MODEL NO.	REMARKS
R-1	0 - 200	6X6	23-3/4"X 23-3/4"	ALUMINUM	TUTTLE & BAILEY	NOTES 2, 3, 4
R-2	201 - 300	9X9	23-3/4"X 23-3/4"	ALUMINUM	TUTTLE & BAILEY	NOTES 2, 3, 4
R-3	701 - 800	12X12	17-3/4"X17-3/4"	ALUMINUM	TUTTLE & BAILEY	NOTES 2, 3, 4
R-4	1501 - 2000	15X15	23-3/4"X 23-3/4"	STEEL	TUTTLE & BAILEY	NOTES 2, 4
R-5	801 - 1000	18X18	19-3/4"X 19-3/4"	STEEL	TUTTLE & BAILEY	NOTES 3
R-6	0 - 400	12X12	13-3/4"X 13-3/4"	STEEL	TUTTLE & BAILEY	WALL MOUNTED GRILLE
GR-1	3000	36X48	37-3/4"X 49-3/4"	STEEL	TUTTLE & BAILEY	HEAVY DUTY GYM USAGE
GR-2	5000	48X48	49-3/4"X 49-3/4"	STEEL	TUTTLE & BAILEY	HEAVY DUTY GYM USAGE
GR-3	1400 - 2800	24W X 36H	25-3/4"X 37-3/4"	STEEL	TUTTLE & BAILEY	HEAVY DUTY GYM USAGE

NOTES:

1. REGISTERS WITHOUT SPECIFIC SYMBOLS (R-1, R-2, ETC.) ON THE PLANS, SHALL BE SIZED IN ACCORDANCE WITH THE CFM RANGES AS SHOWN IN THIS SCHEDULE.
2. FOR REGISTERS WHERE ALUMINUM IS SHOWN FOR THE MATERIAL, IF REGISTER IS PART OF A FIRE RATED CEILING SYSTEM, THEN SUBSTITUTE COMPARABLE FIRE RATED STEEL REGISTERS FOR THAT AREA. IF IN A SIDEWALL, THEN SUBSTITUTE HEAVY DUTY STEEL.
3. PROVIDE PLASTER FRAMES FOR ALL REGISTERS LOCATED IN GYPSUM, PLASTER, OR HARD (NON-LAYIN) SURFACE/CEILINGS.
5. PROVIDE VOLUME DAMPERS IN NECKS OF ALL REGISTERS.

SEM

DIFFUSER	SEE NOTE 1	INCHES	INCHES	PATTERN	SEE NOTE 3	MANUFACTURER AND MODEL NO.	REMARKS
D-1	0 - 125	6X6	12X12	SEE NOTE 2	ALUMINUM	TUTTLE & BAILEY	NOTES 1 THRU 5
D-2	126 - 280	9X9	24X24	SEE NOTE 2	ALUMINUM	TUTTLE & BAILEY	NOTES 1 THRU 5
D-3	281 - 450	12X12	24X24	SEE NOTE 2	ALUMINUM	TUTTLE & BAILEY	NOTES 1 THRU 5
D-4	451 - 700	15X15	24X24	SEE NOTE 2	ALUMINUM	TUTTLE & BAILEY	NOTES 1 THRU 5
LD-1	550	10"Ø	8'-0" LONG	LINEAR DIFF.	STEEL	TUTTLE & BAILEY	ADJUSTABLE BLOW PATTERN

NOTES:

- DIFFUSERS WITHOUT SPECIFIC SYMBOLS (D-1, D-2, ETC.) ON THE PLANS, SHALL BE SIZED IN ACCORDANCE WITH THE CFM RANGES AS SHOWN IN THIS SCHEDULE.
- SEE FLOOR PLANS FOR BLOW PATTERNS OF ALL CEILING SUPPLY AIR DIFFUSERS.
- FOR DIFFUSERS WHERE ALUMINUM IS SHOWN FOR THE MATERIAL, IF DIFFUSER IS PART OF A FIRE RATED CEILING SYSTEM, THEN SUBSTITUTE COMPARABLE FIRE RATED STEEL DIFFUSERS FOR THAT AREA.
- PROVIDE PLASTER FRAMES FOR ALL DIFFUSERS LOCATED IN GYPSUM, PLASTER, OR HARD (NON-LAYIN) SURFACE/CEILINGS.
- PROVIDE VOLUME DAMPERS IN NECKS OF ALL DIFFUSERS.

[illegible][illegible]

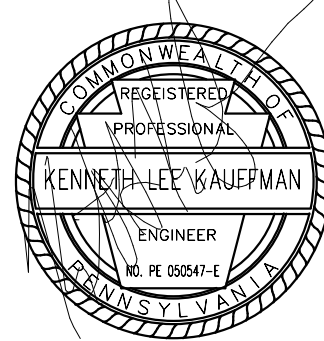
SYMBOL	TOTAL VOLUME GALLONS	ACCEPTANCE VOLUME GALLONS	PRESSURE	TYPE	SYSTEM	BASIS OF DESIGN MANUFACTURER AND MODEL NO.
ET-1	317	317		BLADDER TYPE, VERTICAL	HOT WATER	AMTROL #1200-L
						

SYMBOL	FAN CFM	COOLING			HEATING (@47°F)			ELECTRICAL			REFRIGERANT PIPING				BASIS OF DESIGN MANUFACTURER AND MODEL NO.	REMARKS
		NOM. CAP. MBH	AMB (db/wb)	KW	CAP. MBH	AMPS	KW	V/PH	MCA	MOCp	SEER2	HSPF2	LIQUID	GAS		
DSS-1/CU-3	775	24.0	95°/75°	1.9	28.0	47	2.1	208/1Ø	22	37	21.1	9.2	1/4"	1/2"	MITSUBISHI - TRANE PUZ-AH-24NL & PKA-AK-24NL	
DSS-2/CU-4	775	24.0	95°/75°	1.9	28.0	47	2.1	208/1Ø	22	37	21.1	9.2	1/4"	1/2"	MITSUBISHI - TRANE PUZ-AH-24NL & PKA-AK-24NL	
DSS-3/CU-5	775	24.0	95°/75°	1.9	28.0	47	2.1	208/1Ø	22	37	21.1	9.2	1/4"	1/2"	MITSUBISHI - TRANE PUZ-AH-24NL & PKA-AK-24NL	

NOTES:

- DSS-1, DSS-2, AND DSS-3 SPLITSYSTEMS SHALL BE CAPABLE OF PROVIDING COOLING DOWN TO A NEGATIVE 5 DEGREES BELOW ZERO OUTDOOR AMBIENT TEMPERATURE.
- PROVIDE GALVANIZED STEEL BRACKETS TO SUPPORT THE CONDENSING UNITS ON EXTERIOR WALL AT 24" ABOVE FINISHED GRADE LEVELS, FOR CU-3 AND CU-4.
- PROVIDE 24" HIGH EQUIPMENT MOUNTING RAILS WITH FLASHING AND COUNTER FLASHING TO SUPPORT CU-5 ABOVE ROOF. ADJUST ROOF EQUIPMENT MOUNTING RAILS TO MAINTAIN EQUIPMENT IN A LEVEL ORIENTATION.

MOORE
ENGINEERING COMPANY



3637 Columbia Avenue
Lancaster PA 17603
P: 717.285.3141
MooreEngineering.com

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE-ROHRBAUGH & ASSOCIATES RETAINS ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREO. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION.
© CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

01	MM-DD-YR	NAME	DESCRIPTION OF CHANGE
----	----------	------	-----------------------

1	07/23/26	ADDENDUM 1
5	08/12/26	ADDENDUM 5

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS
401 EAST WINDING HILL ROAD | TOWSON, MARYLAND
www.cra-architects.com

www.cra-architects.com

TOWSON, MARYLAND

WHITE SULPHUR SPRINGS, WEST VIRGINIA

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES

THE SOLANCO SCHOOL DISTRICT
585 SOLANCO ROAD, QUARRYVILLE, PA 17566

585 SOLANCO ROAD, QUARRYVILLE, PA 17566

CR

MECHANICAL SCHEDULES

PLOT SCALE:
1" = 1'-0"

FILENAME

DATE: JULY 8, 2026

PROJECT
3706

M5.1

ENERGY RECOVERY UNITS																			
SYMBOL	SUPPLY AIR			EXHAUST AIR			SUMMER			WINTER			SUMMER WHEEL CAP. REDUCTION	WINTER WHEEL CAP. REDUCTION	ELECTRICAL			BASIS OF DESIGN MANUFACTURER AND MODEL NO.	REMARKS
	CFM	E.S.P.	HP	CFM	E.S.P.	HP	OA DB/WB	RA DB/WB	SA DB/WB	OA DB/WB	RA DB/WB	SA DB/WB			VOLTS/PH	MCA	MOCP		
ERU-1	400	0.35	1/4	400	0.35	1/4	95.0/75.0	75.0/62.5	80.4/66.9	0.0/-1.7	72.0/55.8	50.9/41.9	12,765	21,980	115V	7.1	15.0	GREENHECK MINIVENT -450-VG	
ERU-2	400	0.35	1/4	400	0.35	1/4	95.0/75.0	75.0/62.5	80.4/66.9	0.0/-1.7	72.0/55.8	50.9/41.9	12,765	21,980	115V	7.1	15.0	GREENHECK MINIVENT -450-VG	

FANS											
SYMBOL	TYPE	CFM	S.P.	MAX. SONES	RPM	(HP) WATTS	FLA	VOLTAGE	CONTROL	BASIS OF DESIGN MANUFACTURER AND MODEL NO.	REMARKS
EF-1	C	75	0.375"	2.5	610	8	0.27	120V/1Ø	3	GREENHECK #SP-B110ES	WITH INTEGRAL GRILLE AND BDD
EF-2	I	800	0.75"	3.5	1110	(3/7)	7.1	120V/1Ø	1, ATC	GREENHECK #CSP-A1300	INLINE CABINET FAN
EF-3	I	500	0.5"	1.4	1320	(1/3)	3.8	120V/1Ø	1, ATC	GREENHECK #CSP-A780	INLINE CABINET FAN
EF-4	I	200	0.5"	2.0	1365	 50	1.5	120V/1Ø	1, ATC	GREENHECK #CSP-A390-VG	INLINE CABINET FAN
EF-5	UB	400	0.6"	6.5	1330	(1/4)	2.9	120V/1Ø	1, ATC	GREENHECK #CUE-099-VG	UPBLAST ROOF FAN
TYPE: R=ROOF, UB=ROOF UPBLAST, SWP=SIDEWALL PROPELLER, I= IN-LINE CABINET, BI= BACKWARD INCLINE, C= CEILING EXHAUSTER 1. DDC TIME CONTROL 2. DDC CONTROL THROUGH SPACE PRESSURE SENSOR(S) 3. INTERLOCKED WITH WALL SWITCH AND LIGHT											

ELECTRICAL WALL HEATER						
SYMBOL	WATTS	BTUH	VOLTAGE	BOD - MANUFACTURER AND MODEL NO.	TYPE	
EWH-1	1500	5120	120V/1Ø	BERKO MODEL NO. FRA1512F	WALL MOUNTED	

HOT WATER CONVECTOR											
SYMBOL	GPM	MBH	EWT DEG. °F	LWT DEG. °F	E.A.T. IN DEG °F	ENCLOSURE DIMENSIONS IN INCHES	COIL WATER P.D. IN FT. OF H2O	ELEMENT DIMENSIONS IN INCHES			MANUFACTURER AND MODEL NO.
								DIA.	LENGTH	PASSES	
C-1	0.8	2.3	180	173.2	65	28"L X 20"H X 4" DEEP	1	3/4"	24" ±	1	ZEHNDER RITTLING PL-20-28-04
C-2	1.0	5.0	180	150.0	65	26"L X 26"H X 6" DEEP	5.0	3/4"	24" ±	1	ZEHNDER RITTLING PL-26-26-06
NOTES: 1. ATC CONTRACTOR TO PROVIDE FIELD INSTALLED DDC CONTROLS. ATC CONTR2CTOR TO FURNISH CONTROL VALVES FOR FIELD INSTALLATION BY MECHANICAL CONTRACTOR.											

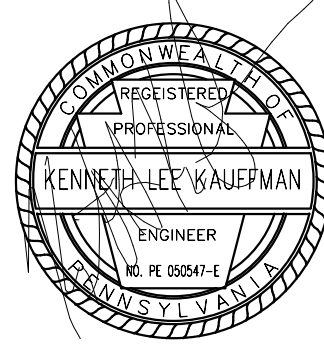
HOT WATER UNIT HEATERS														
SYMBOL TYPE	OUTPUT MBH	CFM	FAN			FLA	MCA	MOP	HOT WATER					BASIS OF DESIGN MANUFACTURER AND MODEL NO.
			H.P.	RPM	VOLTAGE				EAT	EWT	T.D.	GPM	MAX. P.D. FT. HD	
UH-1	45.2	1400	1/12	1000	120V/1Ø	2.2	2.8	15	60	180	35	6.1	2.0	TRANE UHSB-084
UH-2	10.5	400	16 WATTS	1550	120V/1Ø	0.8	1.0	15	60	180	25	0.85	2.0	TRANE UHSB-018
NOTES: 1. UNIT HEATERS SHALL BE VERTICAL SUSPENDED UNITS WITH VERTICAL LOUVER AND DIFFUSER, WITH DOUBLE DEFLECTION ADJUSTABLE BLADES. 2. SUPPORT UNITS FROM STRUCTURE ABOVE.														

CABINET HEATERS														
SYMBOL	MBH	HOT WATER					CFM	S.P.	FAN			MCA	BASIS OF DESIGN MANUFACTURER AND MODEL NO.	REMARKS
		EAT	EWT	T.D.	GPM	P.D.			HP	RPM	VOLTAGE			
CUH-1	37.0	70.0	180.0	30.0	2.5	10.0	400	0.0"	0.1	1460	120V/1Ø	15.0	TRANE FFHB040	SEMI-RECESSED WALL MOUNTED, INVERTED SURFACE WALL
CUH-2	19.9	60.0	180.0	40.0	1.0	5.0	300	0.0"	0.06	1245	120V/1Ø	15.0	TRANE FFJB030	MOUNTED, SLOPED TOP HORIZONTAL FLUSH WITH CEILING, NON DUCTED
CUH-3	14.9	60.0	180.0	40.0	0.75	3.0	200	0.0"	0.02	850	120V/1Ø	15.0	TRANE FFEB020	HORIZONTAL FLUSH WITH CEILING, NON DUCTED
CUH-4	19.9	60.0	180.0	40.0	1.0	5.0	300	0.0"	0.05	1200	120V/1Ø	15.0	TRANE FFEB030	HORIZONTAL FLUSH WITH CEILING, NON DUCTED
NOTES: 1. CABINET UNIT HEATERS LOCATED IN THE AD-ALTERNATE AREA ON THE GROUND FLOOR SHALL BE EXPOSED/FINISHED STYLE UNITS AS THERE WILL BE NO CEILING IN THE AREAS. SUPPORT ALL UNITS FROM THE STRUCTURE ABOVE.														

CONFORMED SET



3637 Columbia Avenue
Lancaster PA 17603
P: 717.286.3141
MooreEngineering.com



ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES RESERVE ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION.
© CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

REVISIONS		
NO.	DATE	DESCRIPTION OF CHANGES
2	07/28/26	ADDENDUM 2
3	09/04/26	ADDENDUM 3
4	09/06/26	ADDENDUM 4
5	09/12/26	ADDENDUM 5

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS

401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272

TOWSON, MARYLAND
CHARLOTTESVILLE, VIRGINIA
WHITE SULPHUR SPRINGS, WEST VIRGINIA

www.cra-architects.com

NEW CONSTRUCTION FOR

NEW DISTRICT ADMINISTRATION OFFICES

THE SOLANCO SCHOOL DISTRICT

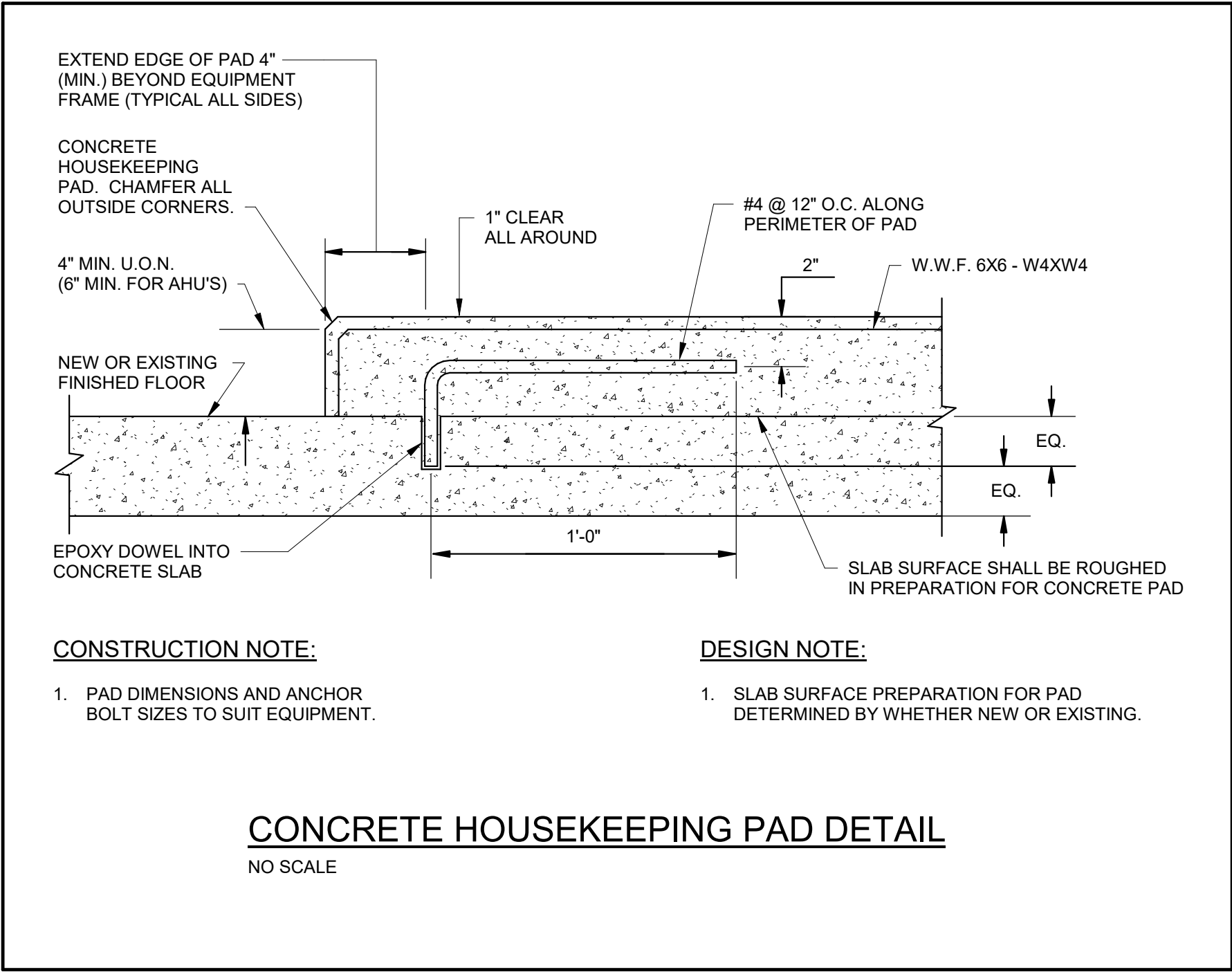
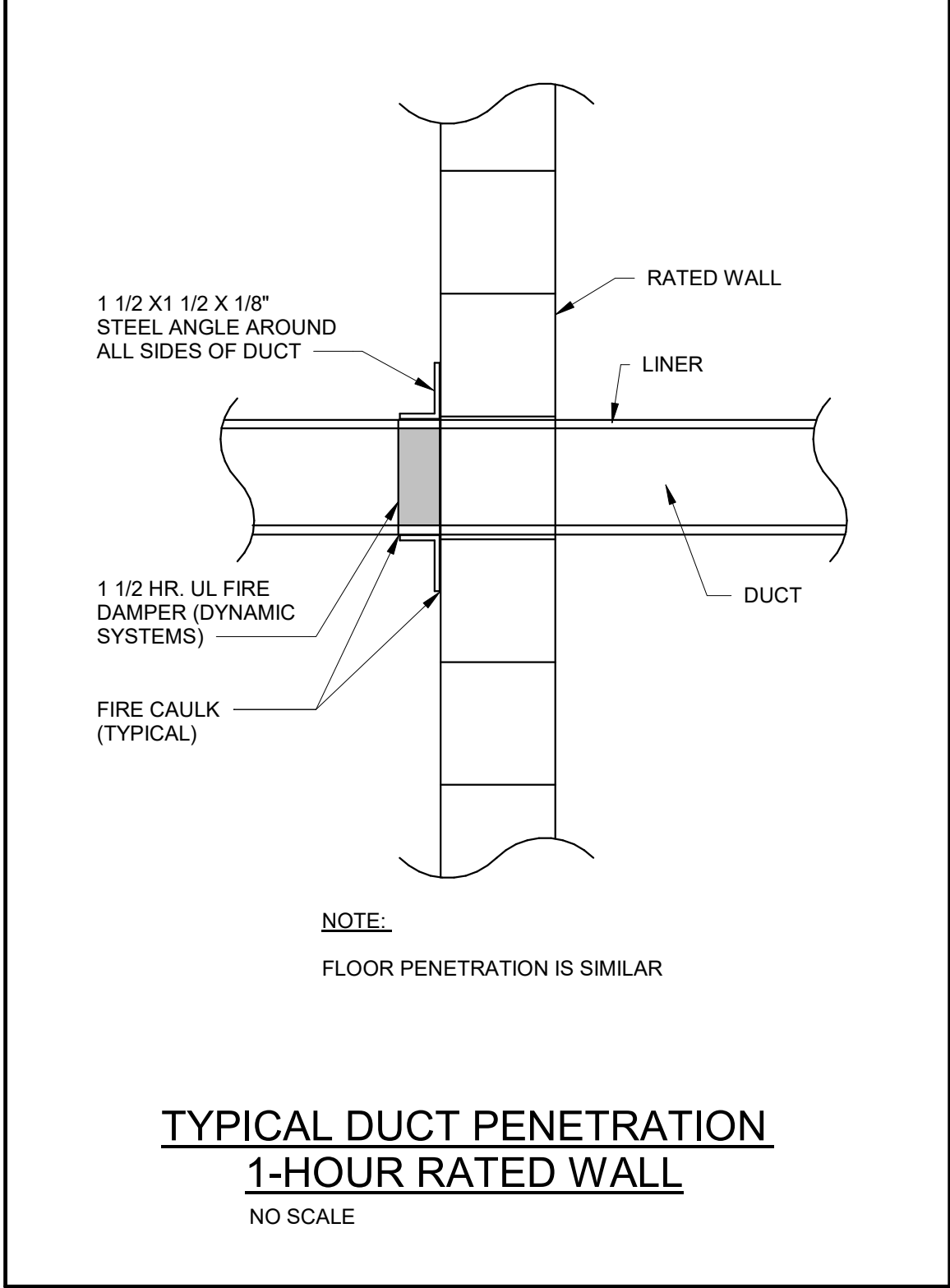
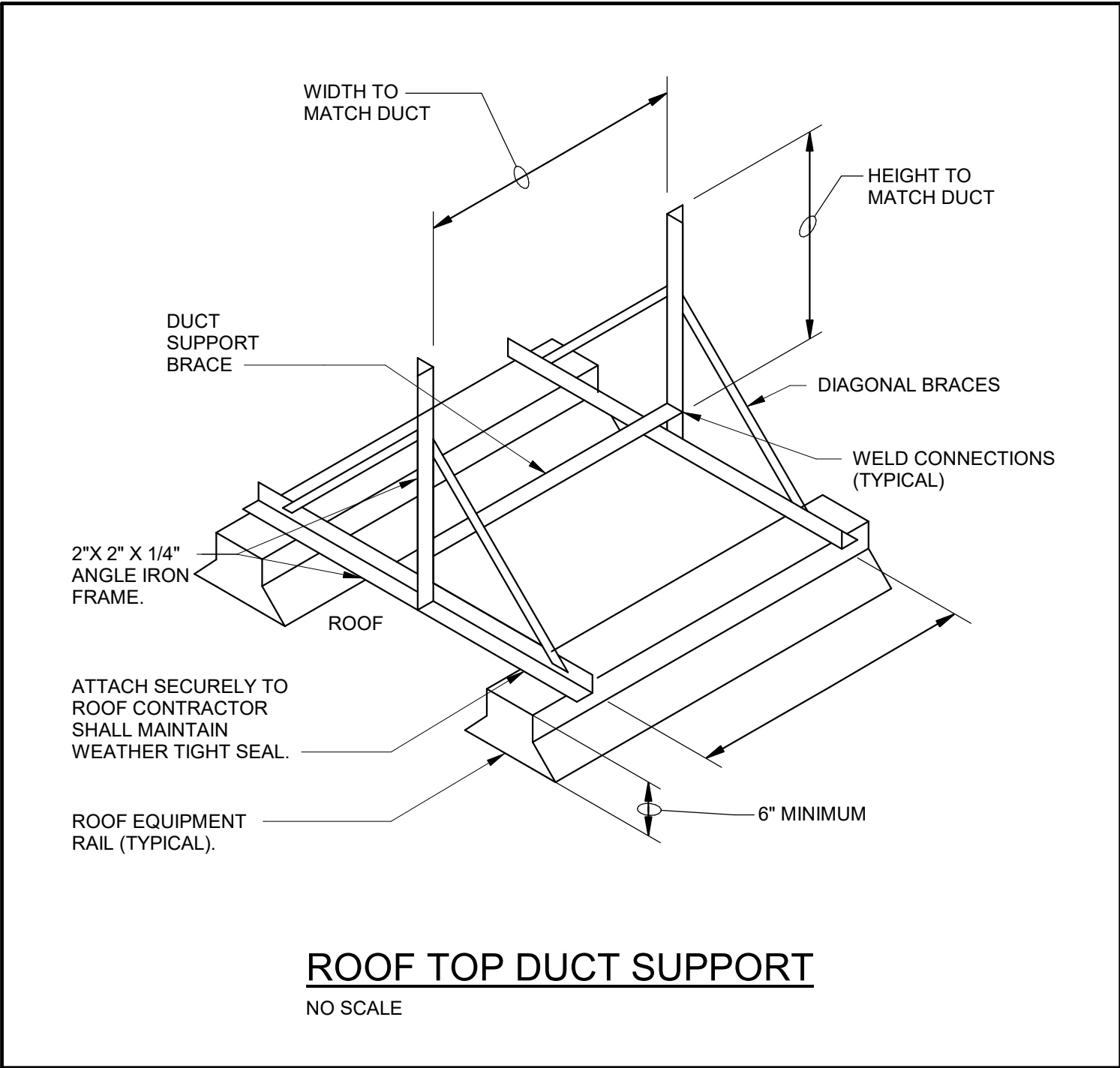
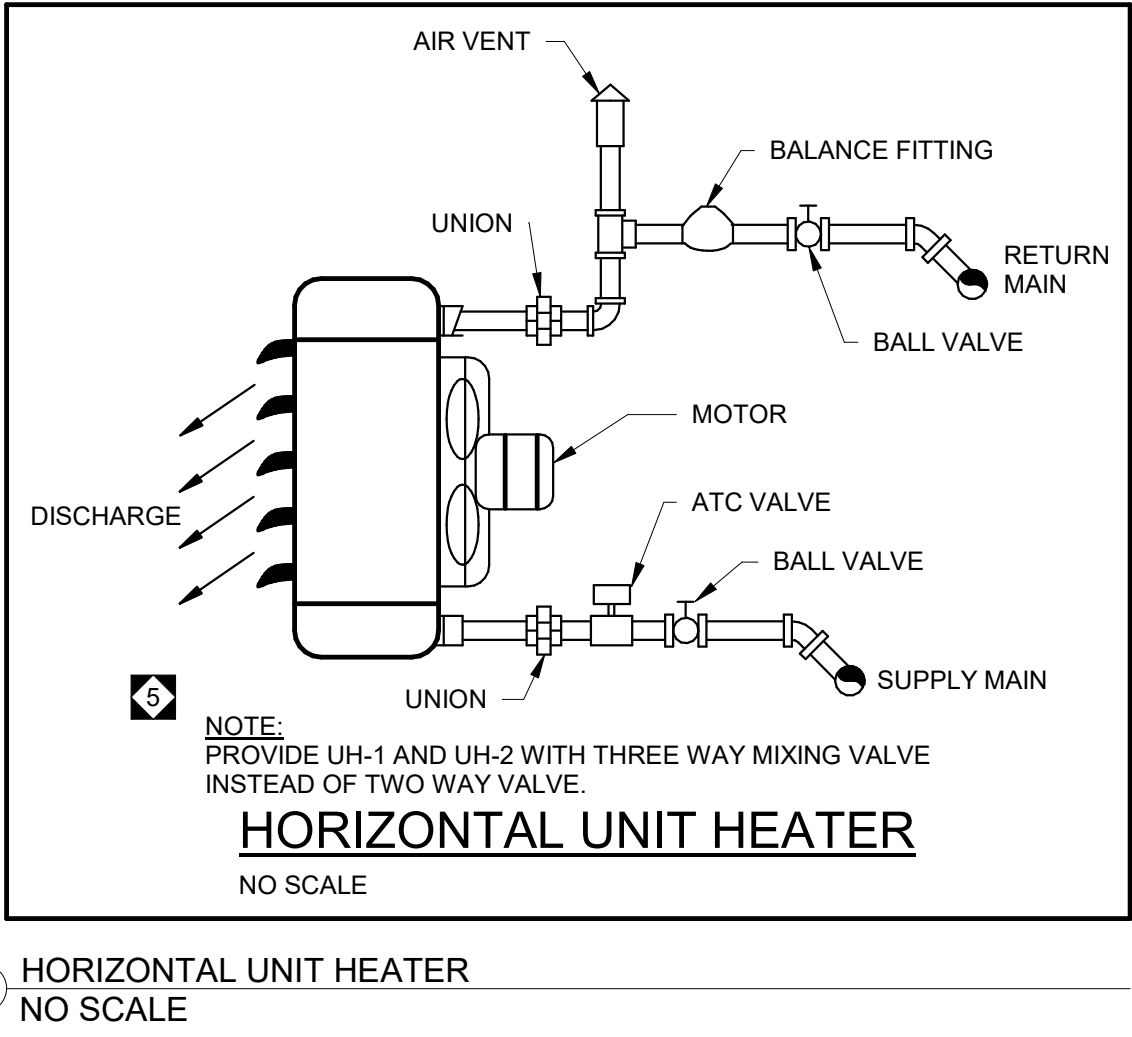
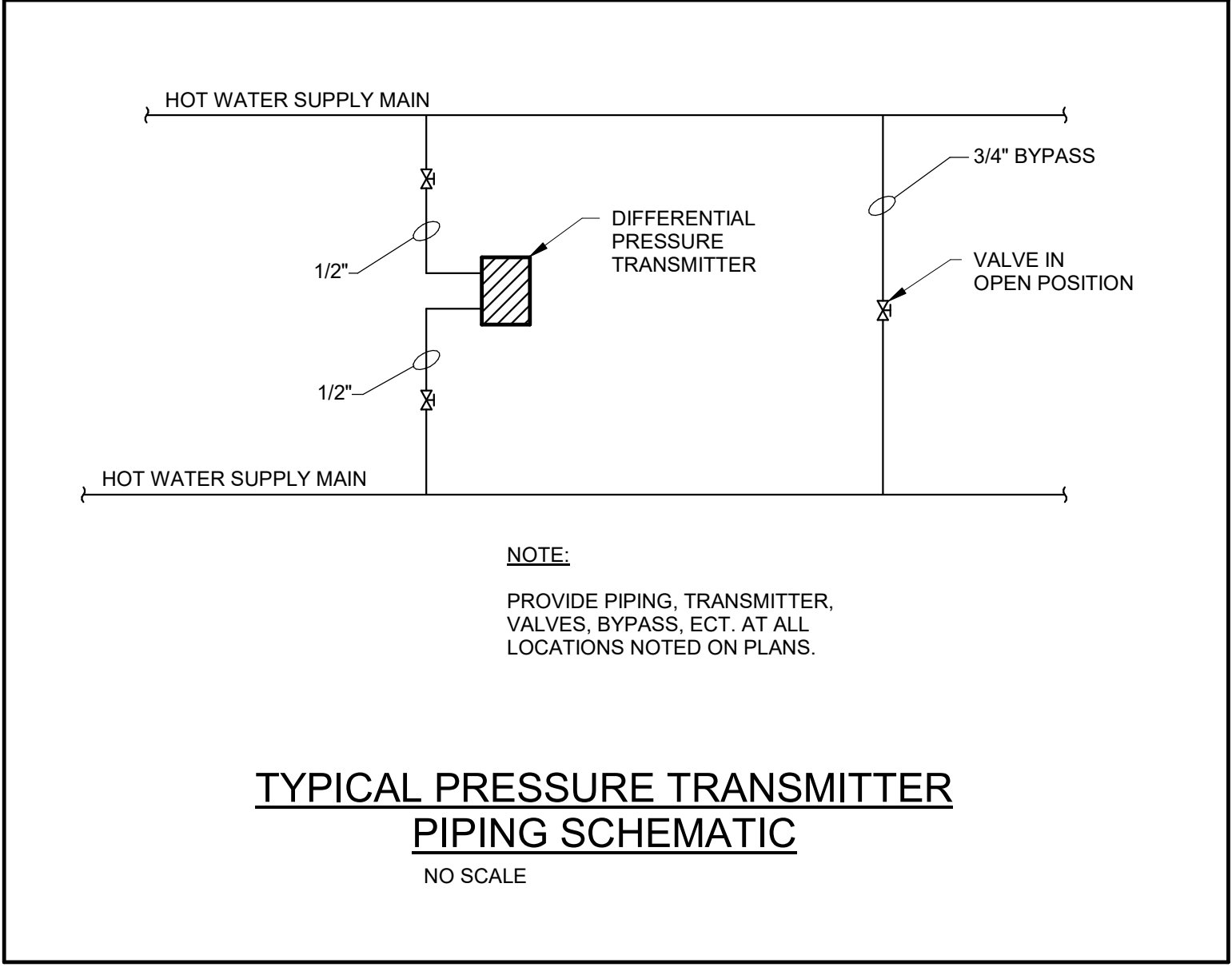
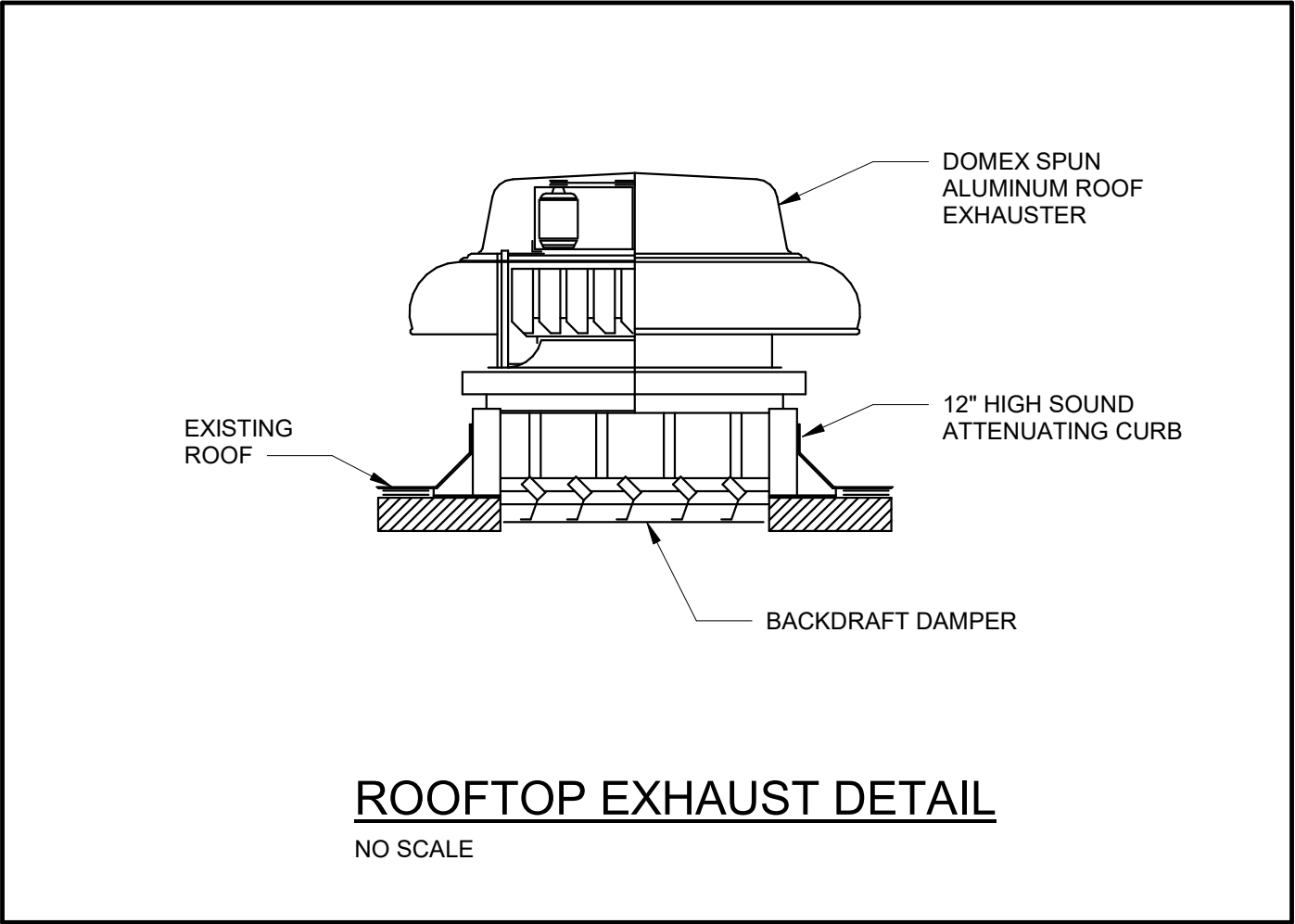
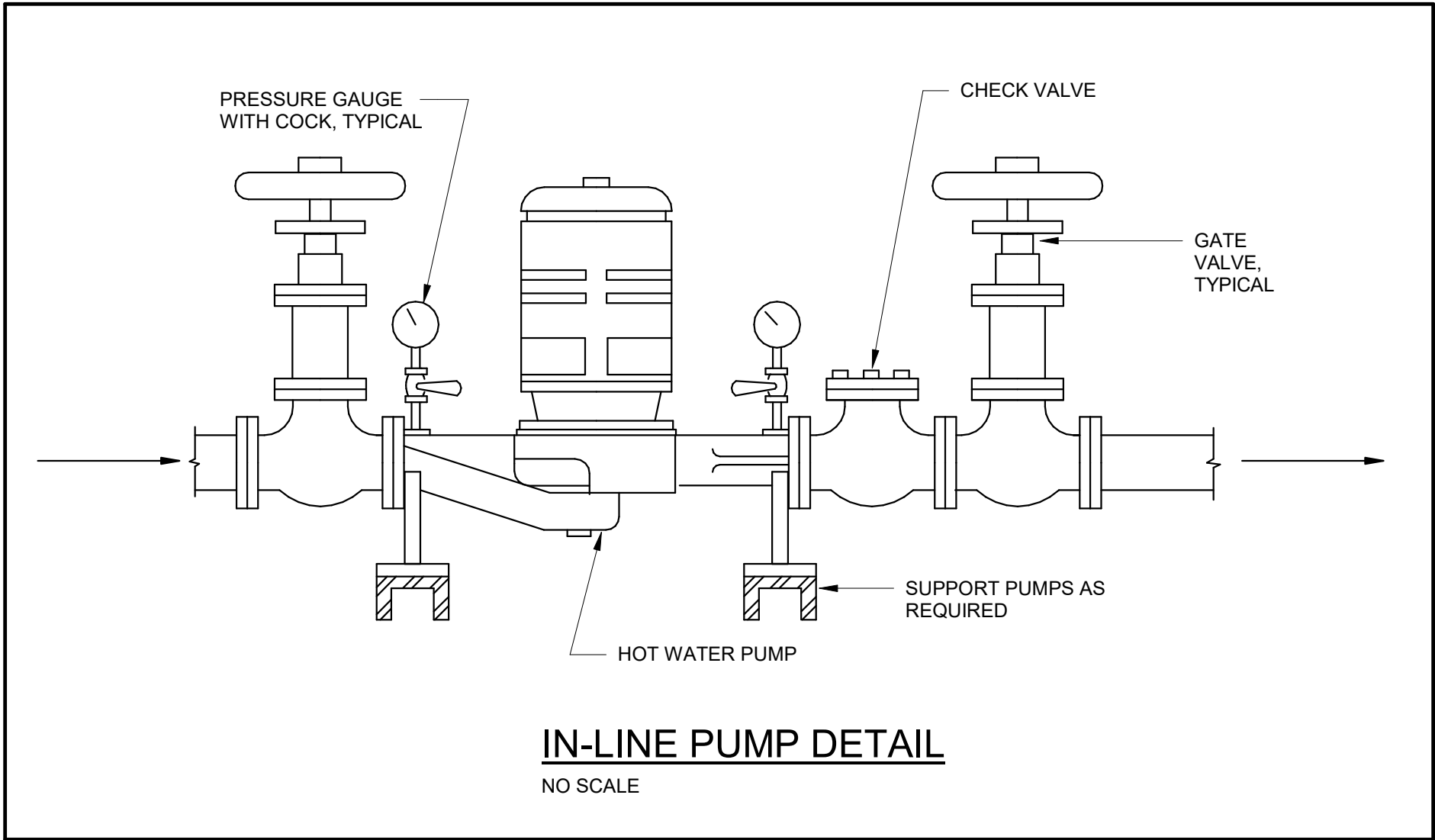
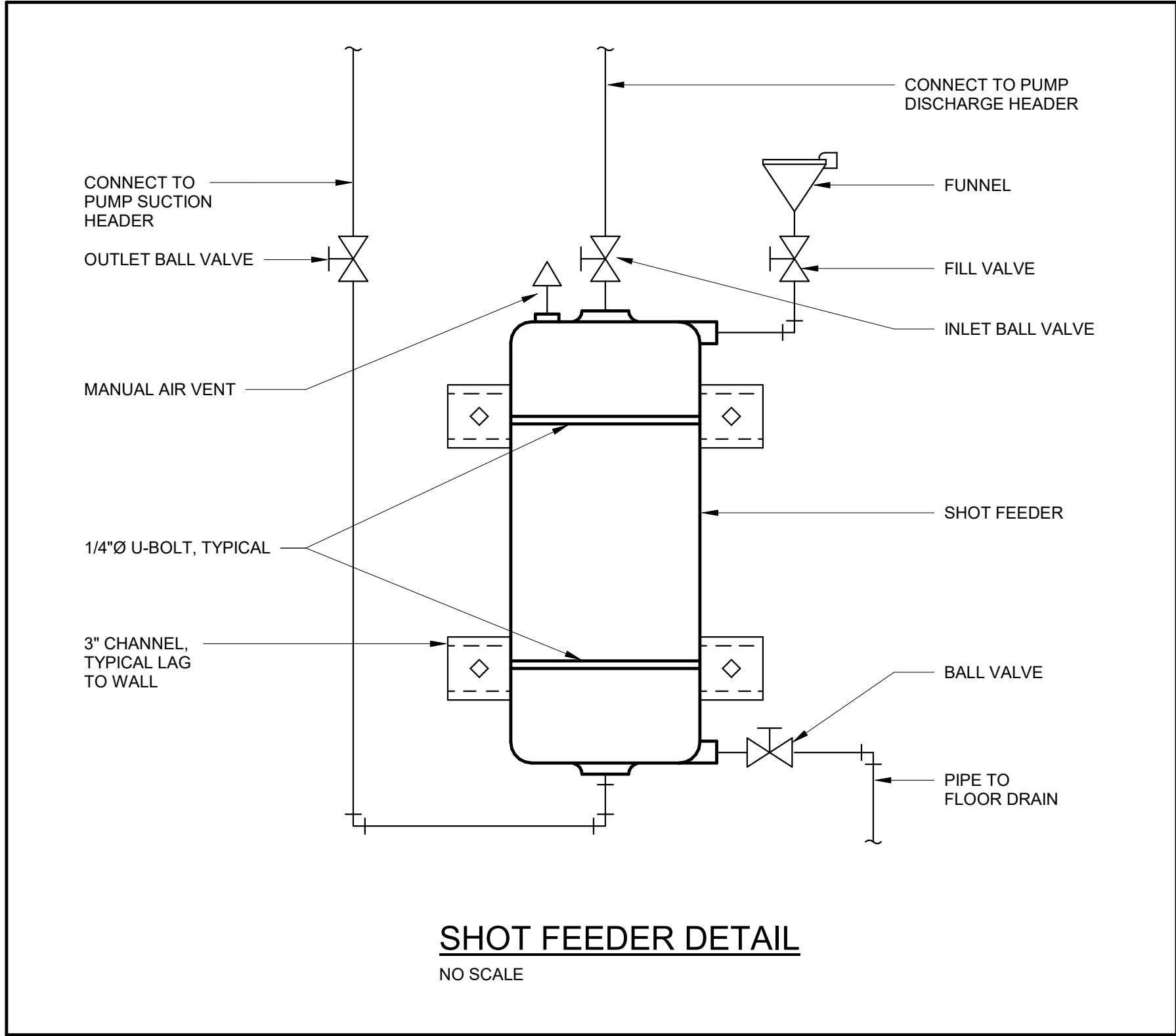
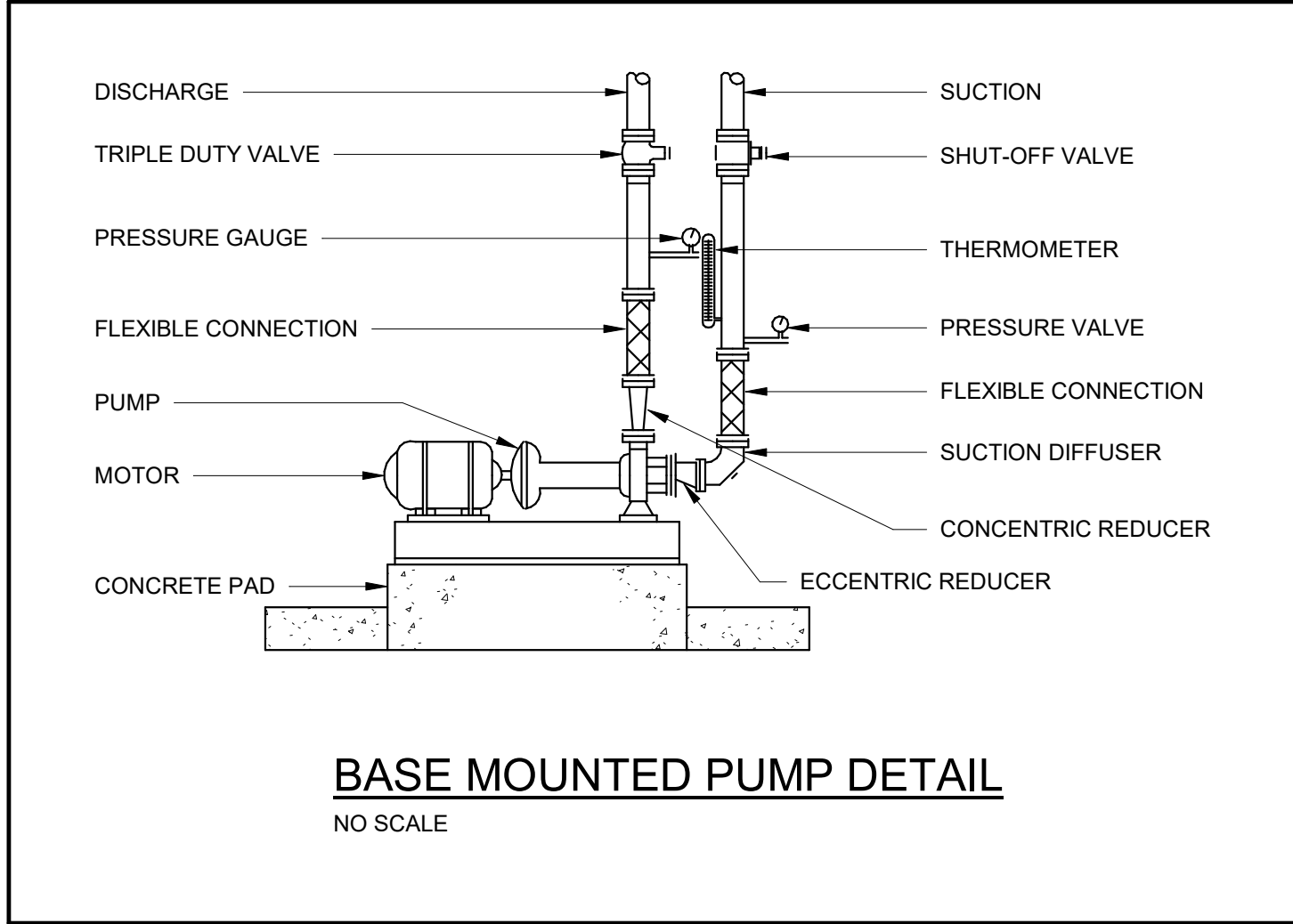
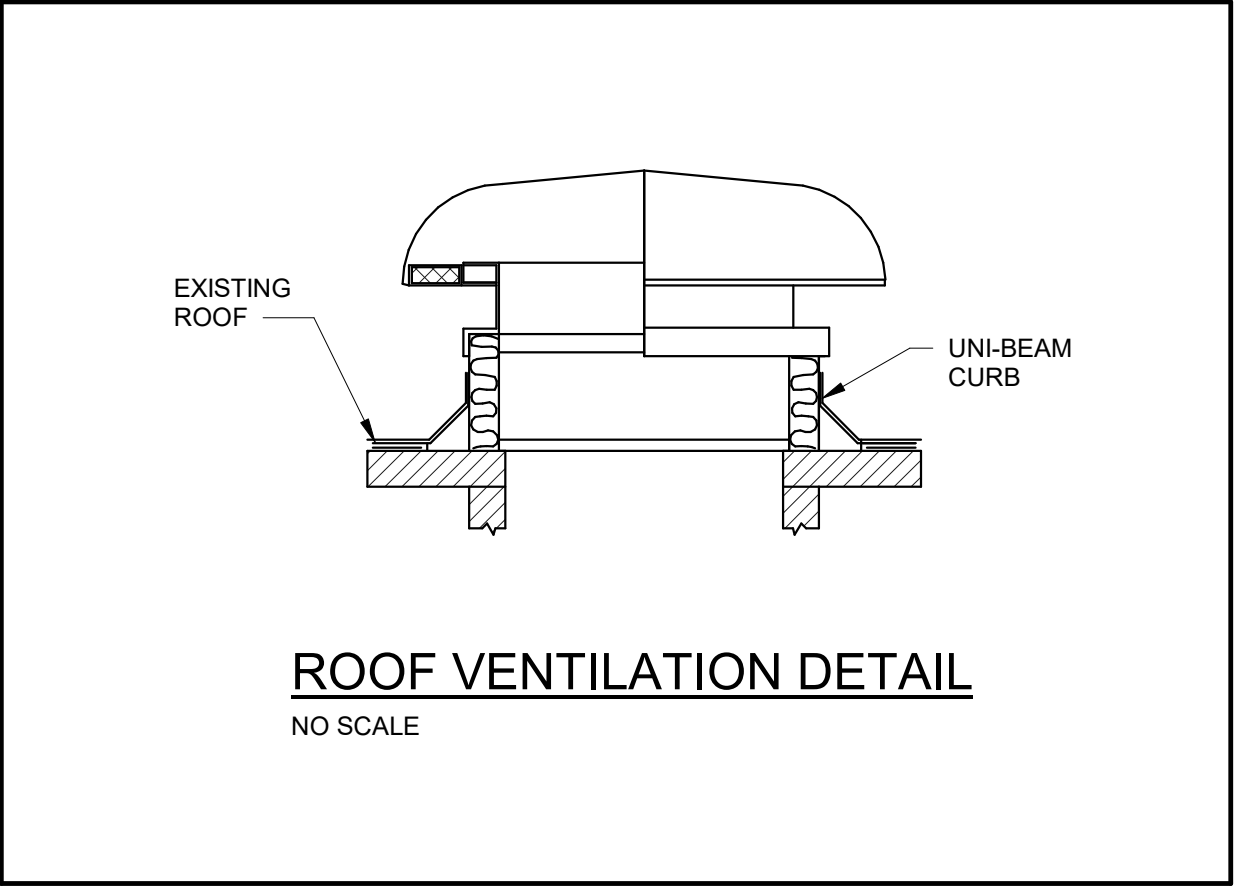
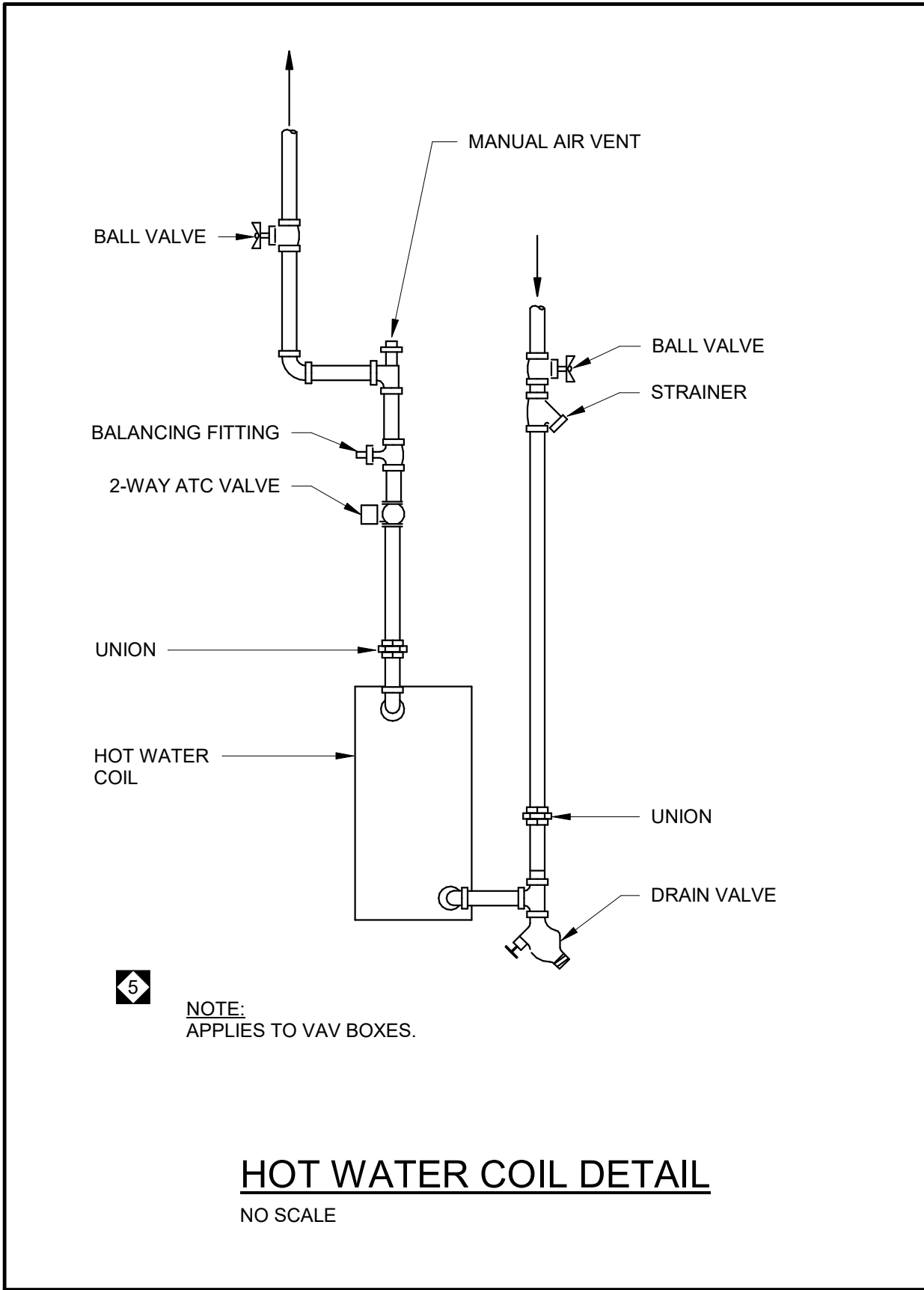
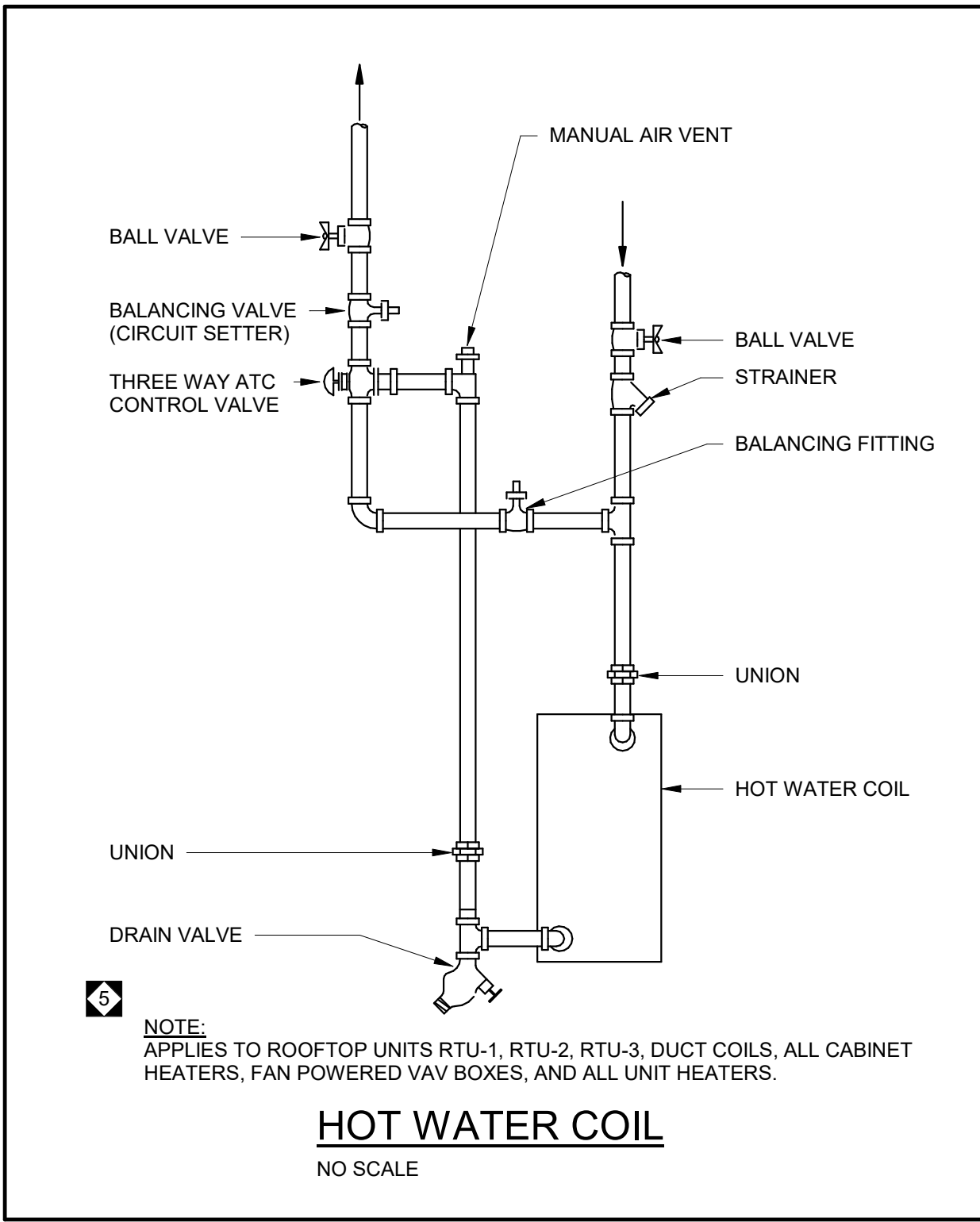
585 SOLANCO ROAD, QUARRYVILLE, PA 17566



MECHANICAL SCHEDULES
PLOT SCALE: 12" = 1'-0"
FILENAME:
DATE: JULY 8, 2026

PROJECT
3706

M5.2



CONFORMED SET

MOORE
ENGINEERING COMPANY

3637 Columbia Avenue
Lancaster PA 17603
P: 717.286.3141
MooreEngineering.com

Professional Engineer
JENNIFER L. WAUFMAN
000416

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES RESERVE ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THIS MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION.
© CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

REVISIONS		
NO.	DATE	DESCRIPTION OF CHANGES
5	08/12/26	ADDENDUM 5

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS
401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272

TOWSON, MARYLAND
CHARLOTTEVILLE, VIRGINIA
WHITE SULPHUR SPRINGS, WEST VIRGINIA

www.cra-architects.com

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
585 SOLANCO ROAD, QUARRYVILLE, PA 17566



MECHANICAL DETAILS

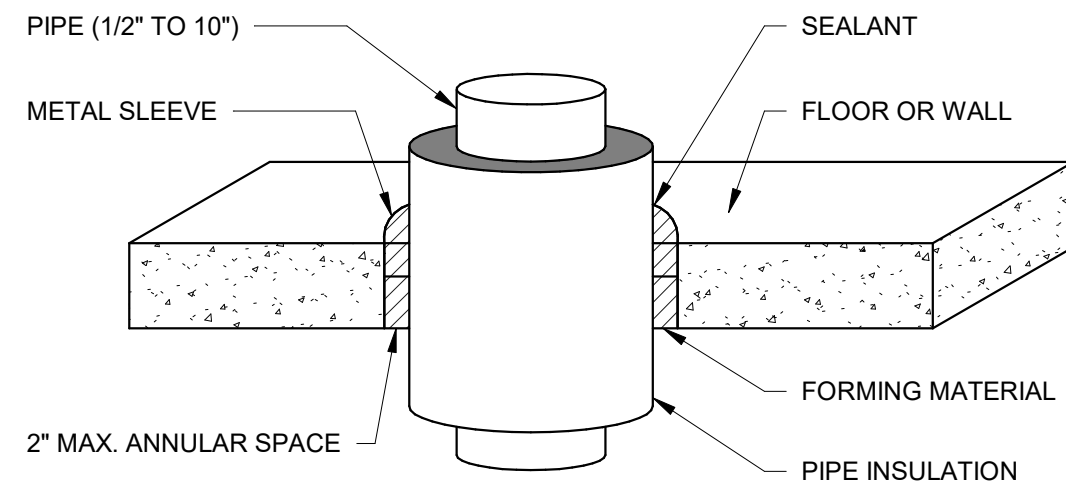
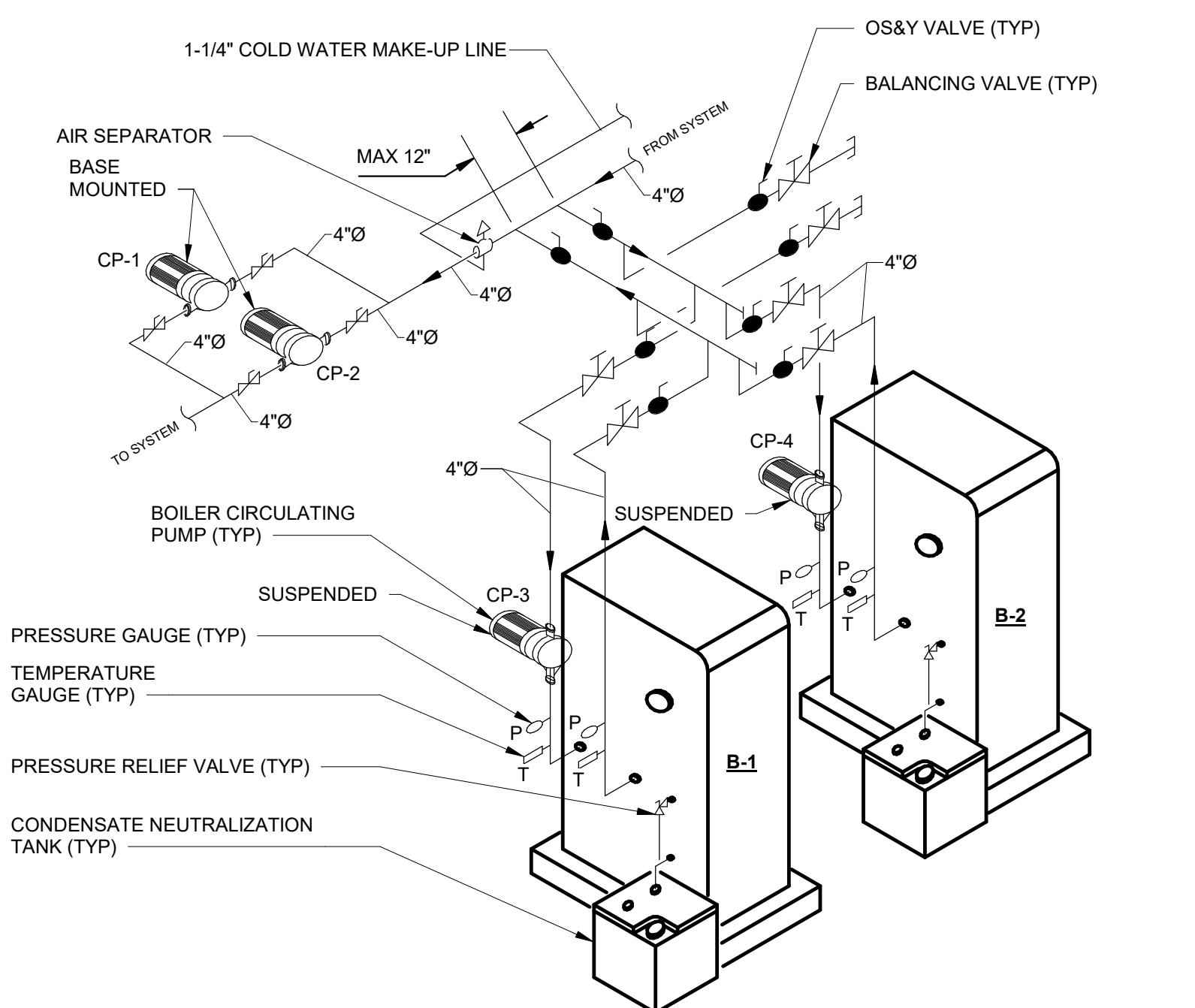
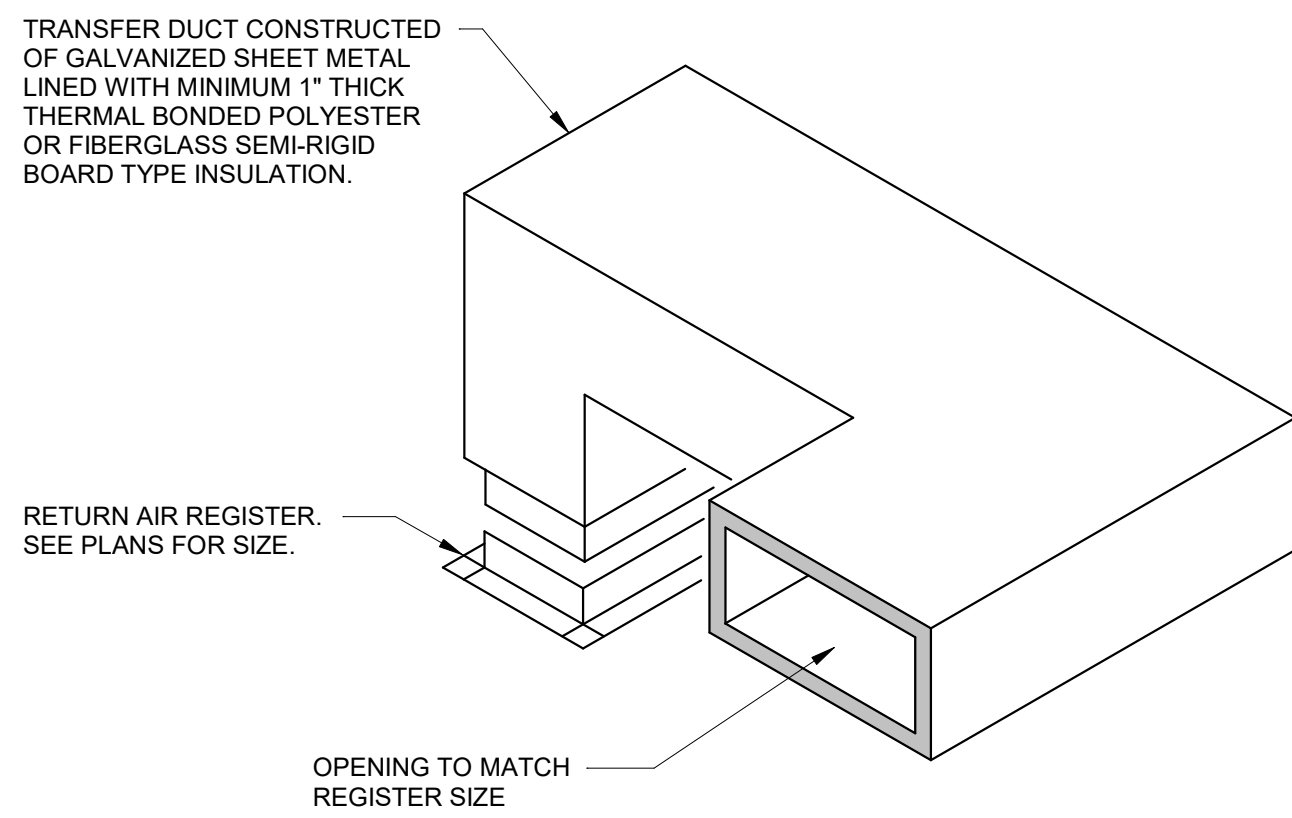
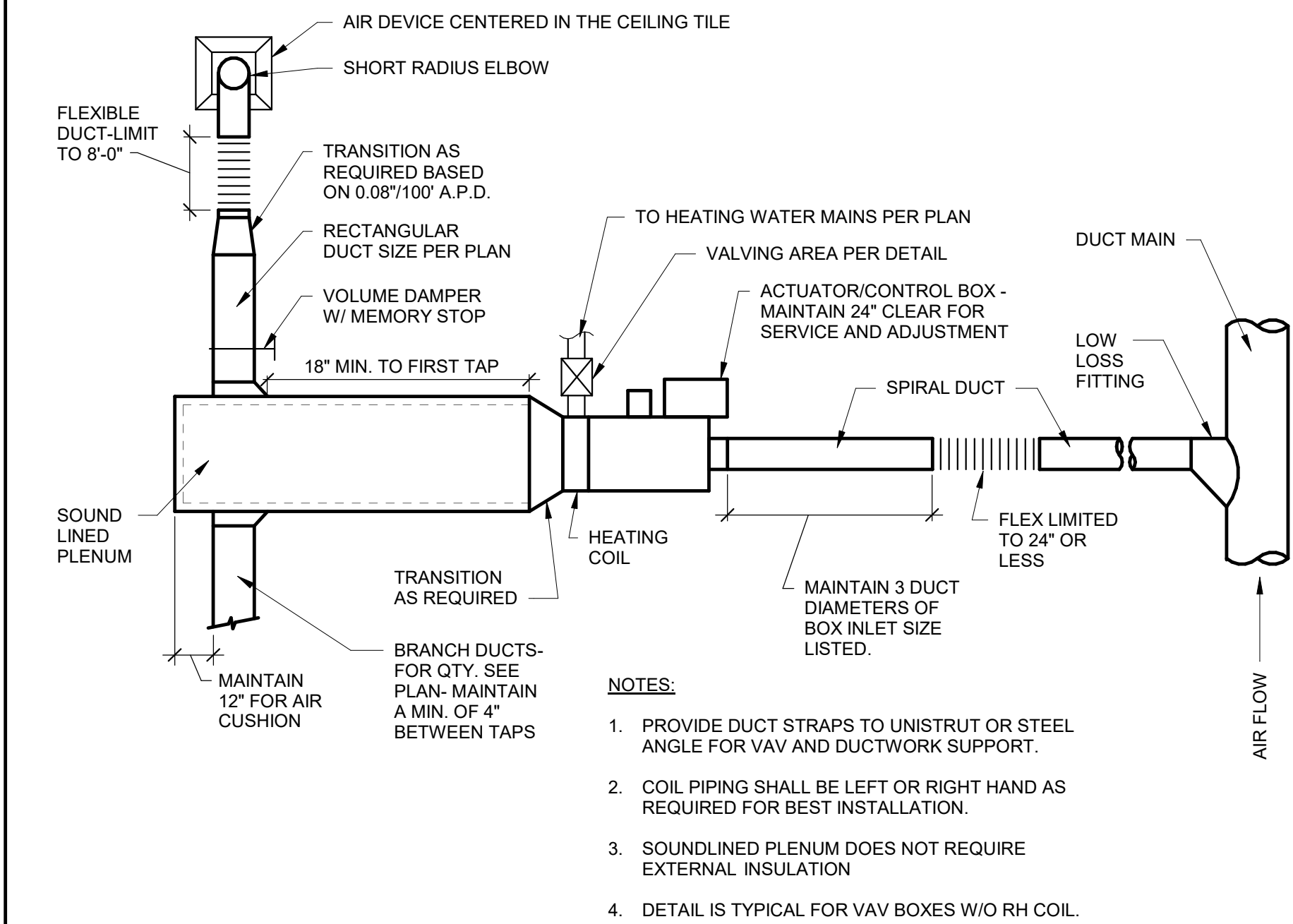
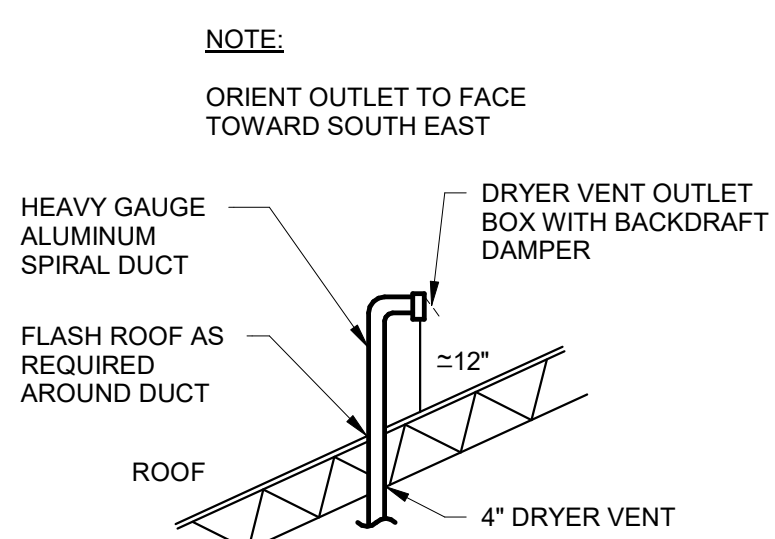
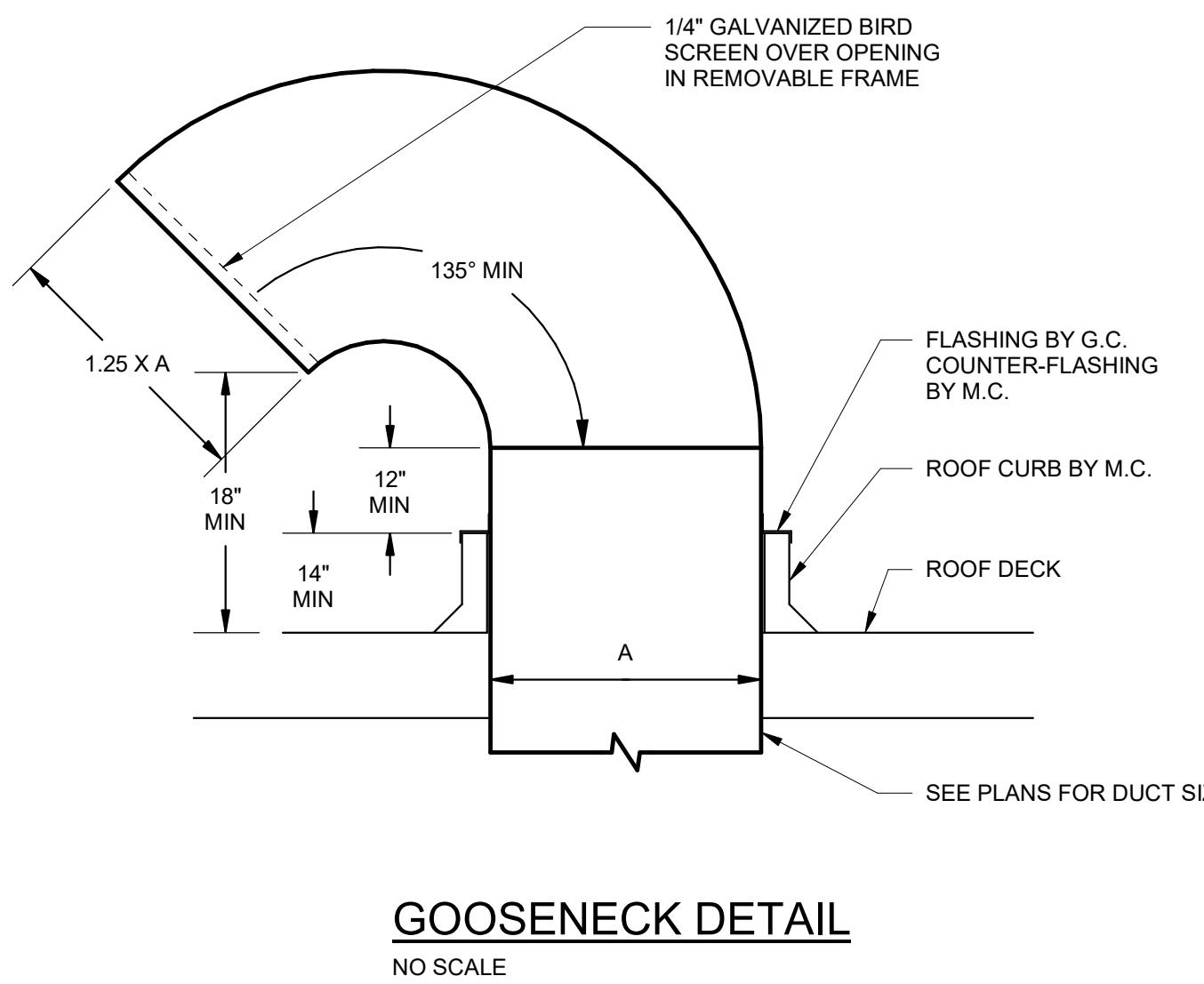
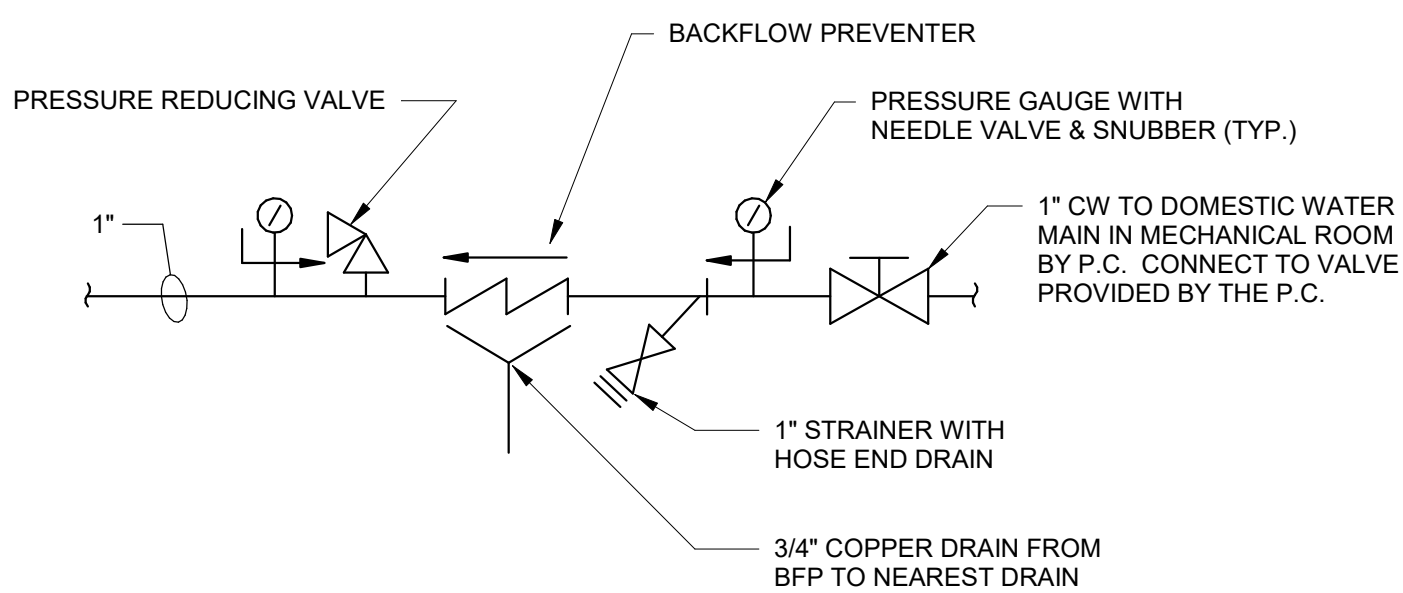
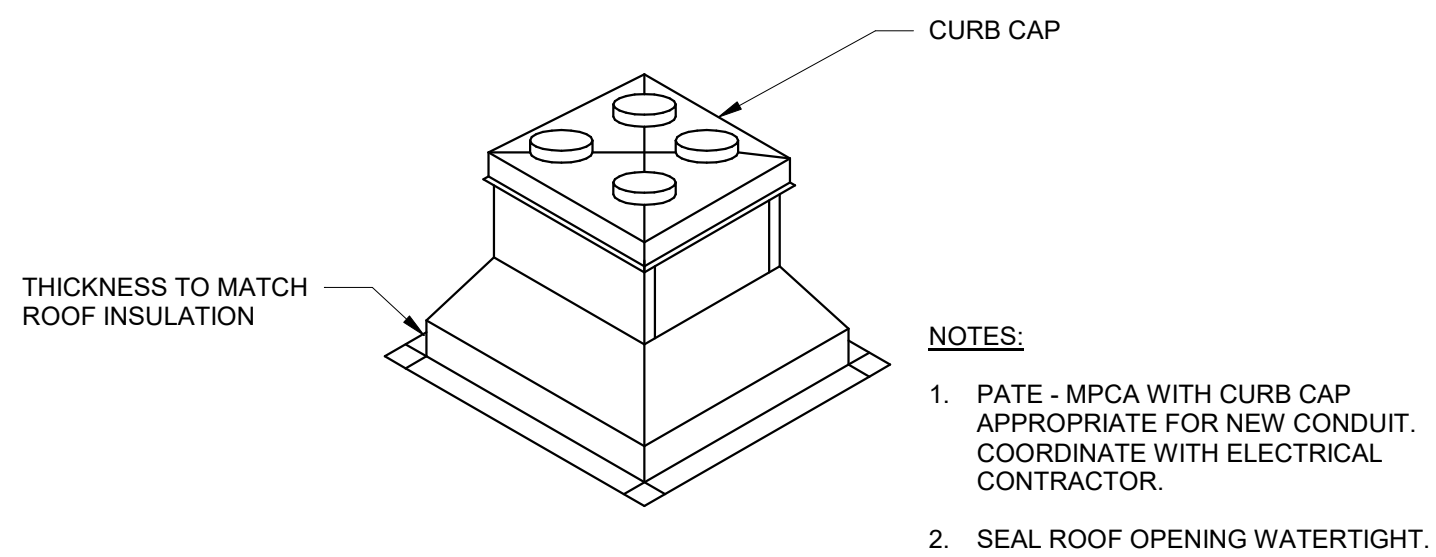
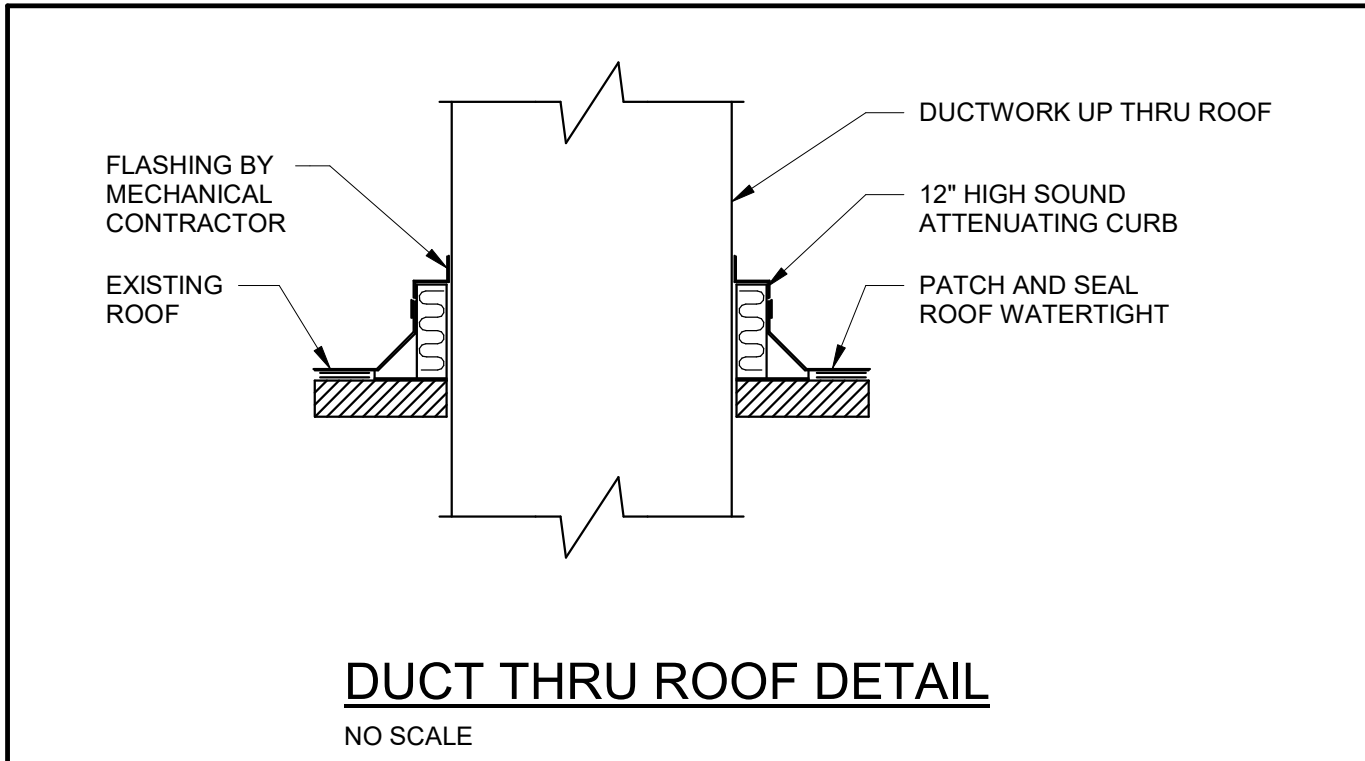
PLOT SCALE:
As indicated

FILENAME:

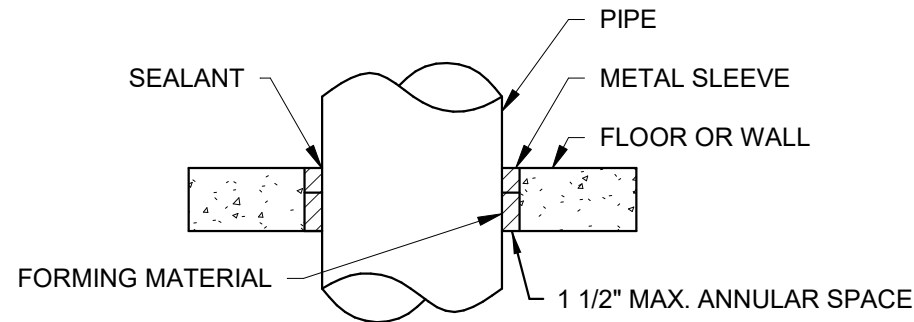
DATE:
JULY 8, 2026

PROJECT
3706

M6.1

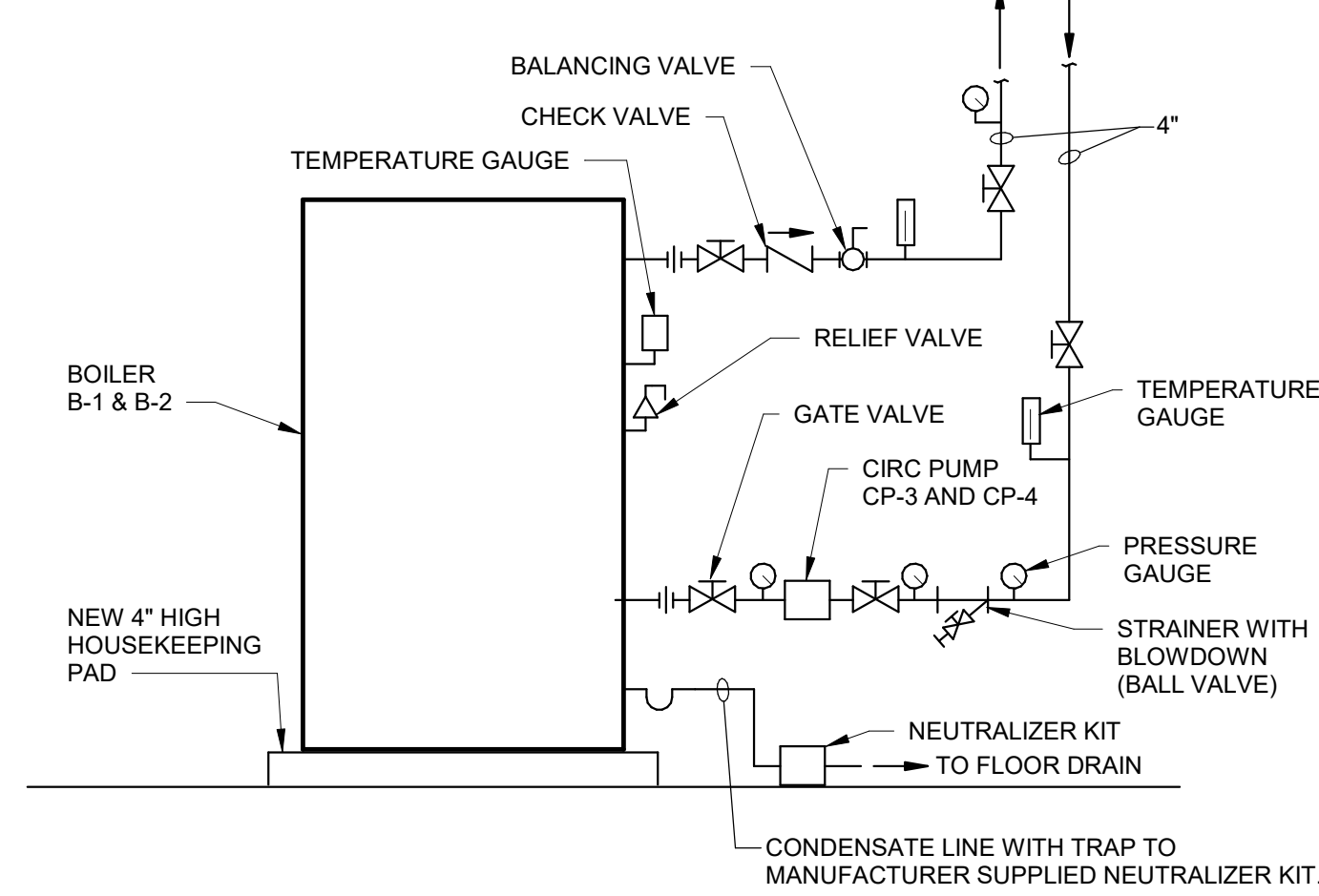
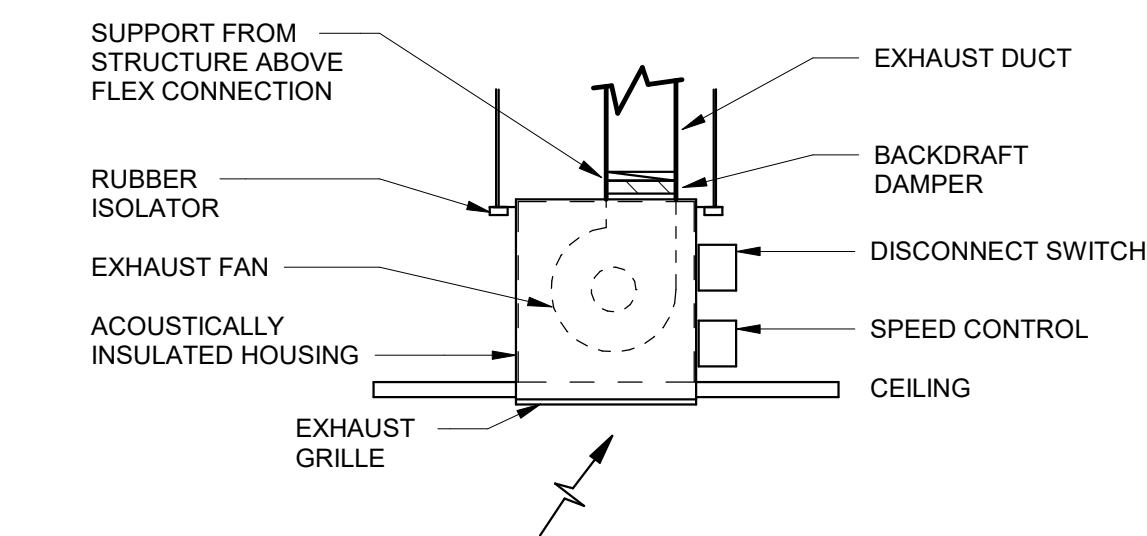
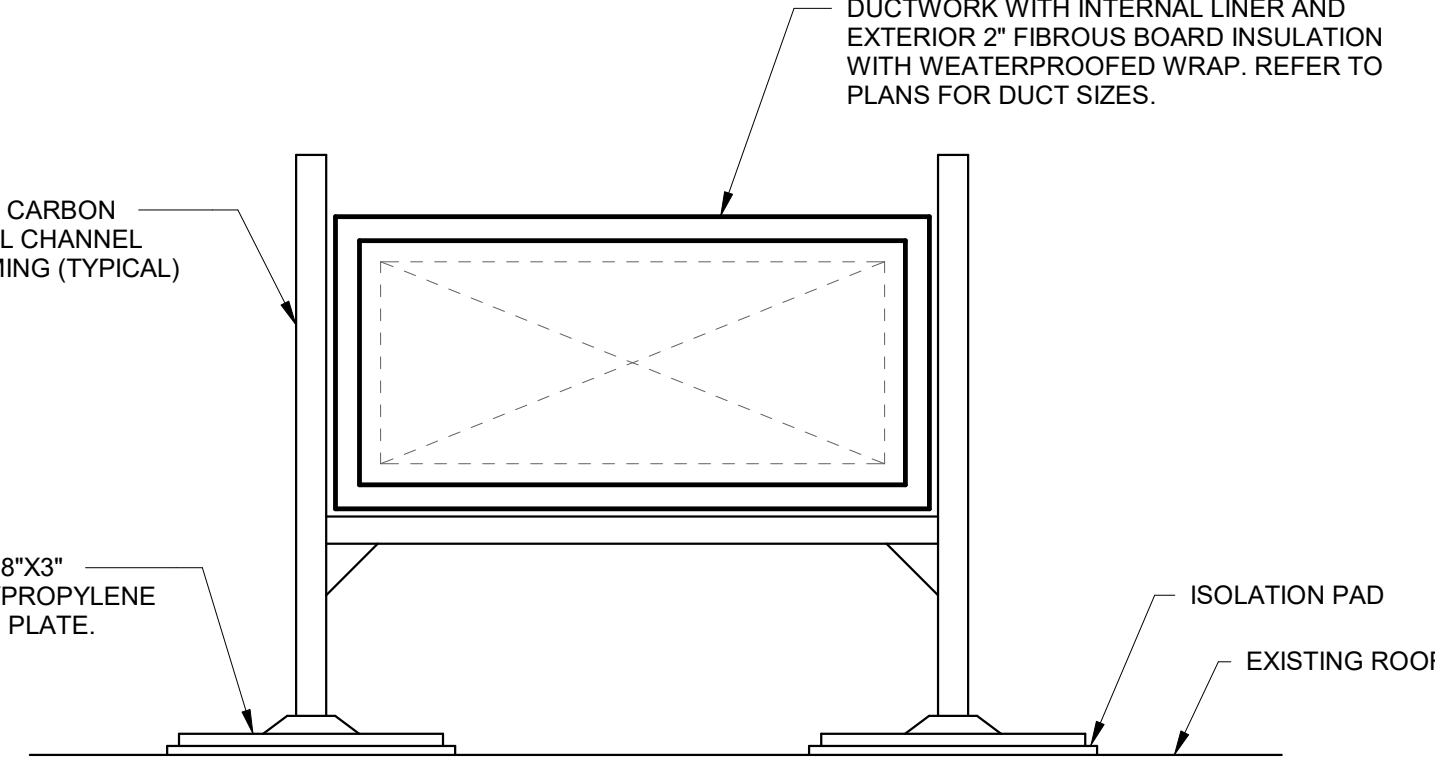
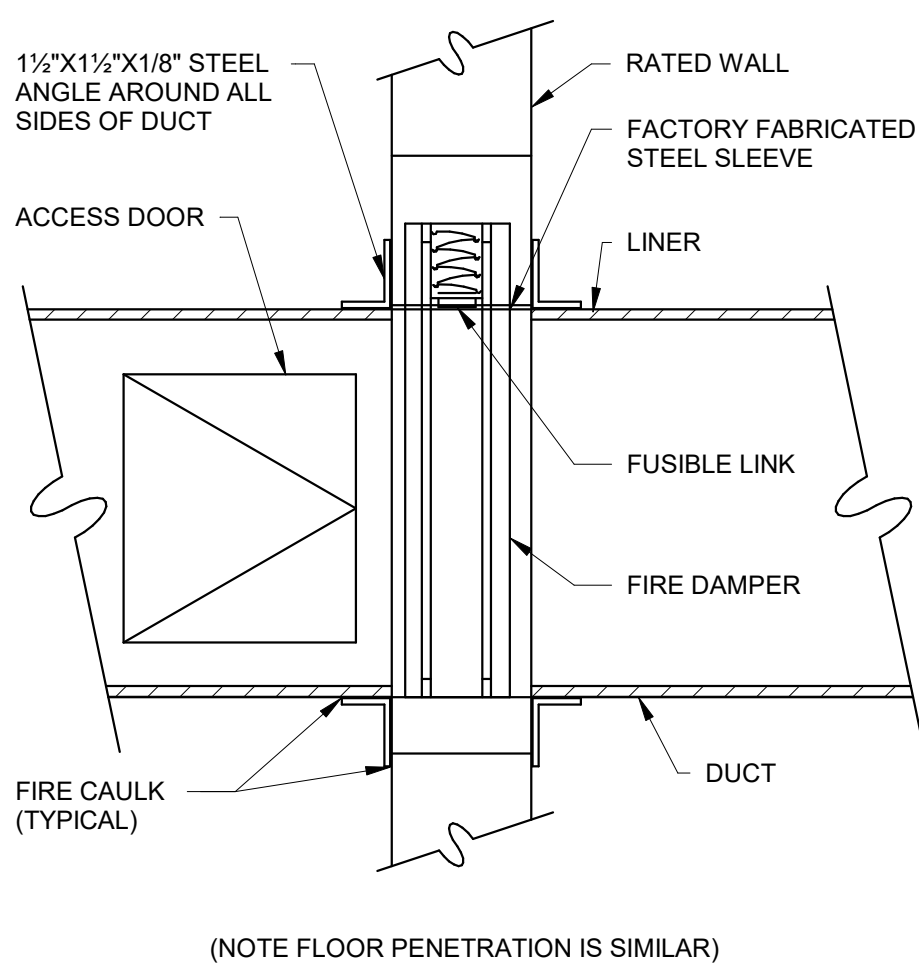
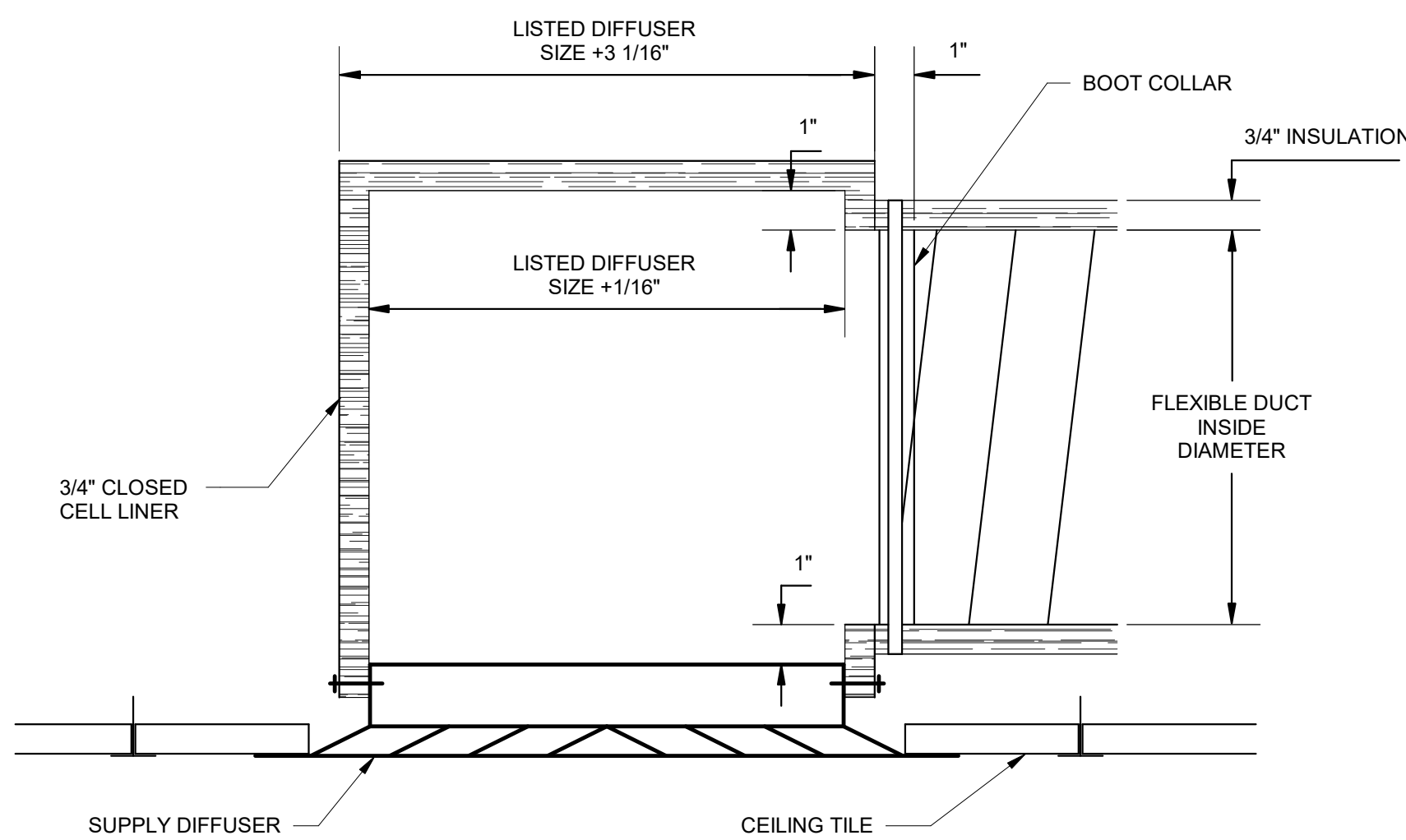


- NOTES:**
1. PIPE INSULATION - NOMINAL 1-1/2" THICK OR THINNER, FIBERGLASS INSULATION.
 2. FORMING MATERIAL-TIGHTLY PACK MIN. 4pcf MINERAL WOOL BATT INSULATION TO FILL THE ANNULAR SPACE. AND RECESS 1" FROM THE TOP SURFACE OF THE FLOOR OR FROM BOTH SURFACES OF THE WALL.
 3. NELSON ES1399 SEALANT - OR EQUAL APPLY ES1399 SEALANT OVER THE FORMING MATERIAL TO A MIN. 1" DEPTH. FLUSH WITH THE TOP SURFACE OF THE FLOOR OR WITH BOTH SURFACES OF THE WALL. AT AREAS OF POINT OF CONTACT, APPLY A 3/8" BEAD AT THE INTERFACE BETWEEN THE INSULATED PIPE AND PERIPHERY OF THE OPENING.



- NOTES:**
1. FORMING MATERIAL-TIGHTLY PACK MIN. 4pcf MINERAL WOOL BATT INSULATION OR 1" DIAMETER BACKER ROD TO FILL THE ANNULAR SPACE AND RECESS 1/2" FROM THE TOP SURFACE OF THE FLOOR OR FROM BOTH SURFACES OF THE WALL.
 2. NELSON ES1399 SEALANT - OR EQUAL APPLY ES1399 SEALANT OVER THE FORMING MATERIAL TO A MIN. 1/2" DEPTH. FLUSH WITH THE TOP SURFACE OF THE FLOOR OR WITH BOTH SURFACES OF THE WALL. AT AREAS OF POINT OF CONTACT, APPLY A 3/8" BEAD AT THE INTERFACE BETWEEN THE PIPE AND THE FLOOR OR WALL.

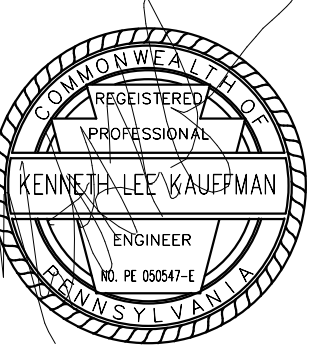
TYPICAL PIPE PENETRATION 1-HOUR, 2-HOUR RATED WALL OR FLOOR COPPER OR STEEL PIPE-UNINSULATED
NO SCALE



CONFORMED SET



3637 Columbia Avenue
Lancaster PA 17603
P: 717.285.3141
MooreEngineering.com



ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES RETAIN ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION. © CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

REVISIONS

NO	REV	DATE	NAME	DESCRIPTION OF CHANGES
1	07/23/26		ADDENDUM 1	

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS
401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272

www.cra-architects.com

TOWSON, MARYLAND
CHARLOTTEVILLE, VIRGINIA
WHITE SULPHUR SPRINGS, WEST VIRGINIA

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
585 SOLANCO ROAD, QUARRYVILLE, PA 17566

CR

MECHANICAL DETAILS

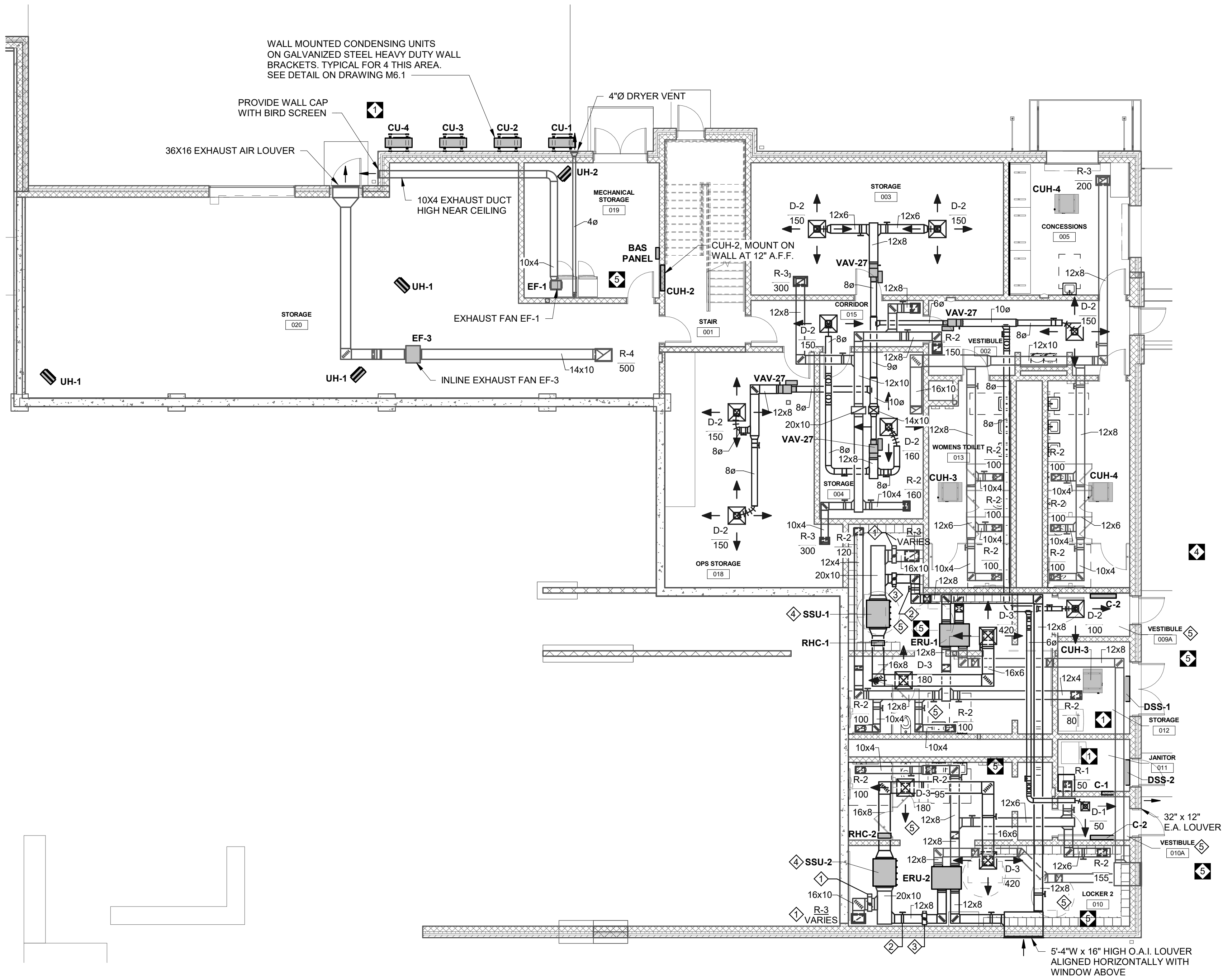
PLOT SCALE:
NO SCALE

FILENAME:

DATE:
JULY 8, 2026

PROJECT
3706

M6.2



1 GROUND FLOOR HVAC ALTERNATE
1/8" = 1'-0"

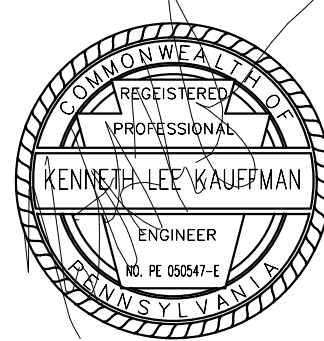
DRAWING NOTES:

- ADJUST TO 200 CFM DURING OCCUPIED MODE AND 600 CFM DURING UNOCCUPIED MODE.
- ADJUST TO 400 CFM.
- MOTOR OPERATED DAMPER INTERLOCKED WITH SSU.
- ADJUST SSU TO 600 CFM.
- AIR DEVICES IN THIS SPACE SHALL HAVE FRAME STYLES SUITABLE FOR AREAS WITH NO CEILINGS. NO FLEXIBLE DUCTWORK IN THIS AREA.

CONFORMED SET



3637 Columbia Avenue
Lancaster PA 17603
P: 717.286.3141
MooreEngineering.com



ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES RETAIN ALL COPYRIGHT, PATENT AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THIS MATERIAL HEREIN IS PROHIBITED WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION.
© CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

REVISIONS

NO.	DATE	DESCRIPTION OF CHANGES
1	07/23/26	ADDENDUM 1
4	06/06/26	ADDENDUM 4
5	08/12/26	ADDENDUM 5

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS
401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272

www.cra-architects.com

TOWSON, MARYLAND

CHARLOTTEVILLE, VIRGINIA

WHITE SULPHUR SPRINGS, WEST VIRGINIA

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
585 SOLANCO ROAD, QUARRYVILLE, PA 17566

CR

GROUND FLOOR HVAC
ALTERNATE PLAN

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

FILENAME:

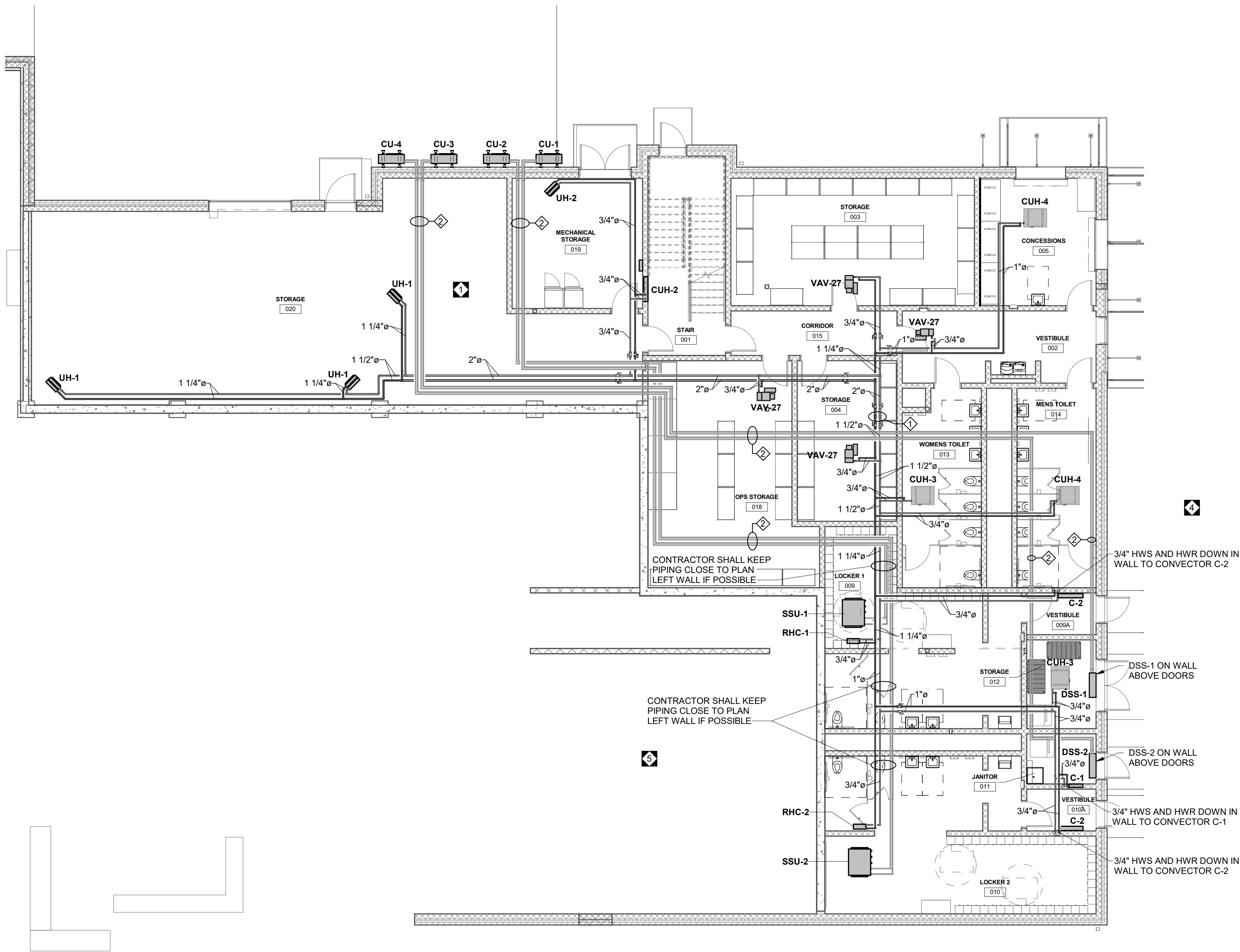
DATE:
JULY 8, 2026

PROJECT
3706

M7.1

DRAWING NOTES:

- 2-1/2" HWS AND HWR PIPING UP INTO CHASE ABOVE.
- PROVIDE REFRIGERANT PIPING AS HIGH AS POSSIBLE.

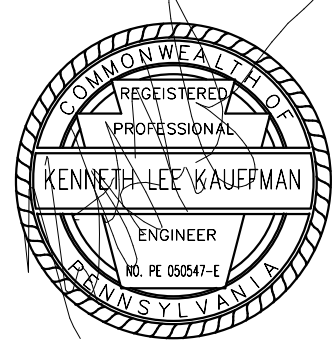


① GROUND FLOOR HVAC PIPING ALTERNATE
1/8" = 1'-0"

CONFORMED SET



3637 Columbia Avenue
Lancaster PA 17603
P: 717.286.3141
MooreEngineering.com



ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES TAKE ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THIS MATERIAL HEREIN OR ANY PART THEREOF WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION. © CRABTREE, ROHRBAUGH & ASSOCIATES, INC. 2024

REVISIONS

NO.	DATE	NAME	DESCRIPTION OF CHANGES
1	07/23/26		ADDENDUM 1
4	08/06/26		ADDENDUM 4
5	08/12/26		ADDENDUM 5

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS

www.cra-architects.com

TOWSON, MARYLAND

CHARLOTTESVILLE, VIRGINIA

WHITE SULPHUR SPRINGS, WEST VIRGINIA

401 EAST WINDING HILL ROAD

MECHANICSBURG PA 17055

717-458-0272

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
585 SOLANCO ROAD, QUARRYVILLE, PA 17566



GROUND FLOOR HVAC
PIPING ALTERNATE PLAN

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

FILENAME:

DATE:
JULY 8, 2026

PROJECT
3706

M7.2

1. PROPANE GAS PIPE SHALL BE SCHEDULE 40 SEAMLESS STEEL PIPE.
2. INSTALLATION SHALL BE ACCORDING TO LOCAL CODES AND PROPANE COMPANY REQUIREMENTS. AFTER INSTALLATION, PIPE SHALL BE TESTED WITH 30 LB. TEST FOR 1 HOUR WITNESSED BY LOCAL PROPANE COMPANY.
3. PROVIDE A SUITABLE GAS COCK AND UNIONS AT EACH CONNECTION TO EACH PIECE OF GAS FIRED EQUIPMENT.
4. PROVIDE SUITABLE GAS PRESSURE REGULATORS WITH VENTS TO THE ATMOSPHERE REQUIRED IN ORDER TO MAINTAIN REQUIRED PRESSURE AT EACH PIECE OF GAS CONSUMING EQUIPMENT.
5. EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS OF THE NATIONAL FIRE PROTECTION ASSOCIATION OR THE NATIONAL GAS SAFE BOARD FOR GAS SALES, GAS HEATERS AND GAS FURNACES, AND THESE STANDARDS SHOULD BE FOLLOWED CAREFULLY. AUTHORITIES HAVING JURISDICTION SHOULD BE CONSULTED BEFORE INSTALLATION ARE MADE TO VERIFY LOCAL CODES AND INSTALLATION.
6. PLUMBING CONTRACTOR SHALL COORDINATE PROPANE GAS SERVICE WITH PROPANE SUPPLY COMPANY. PROPANE TANKS SHALL BE SIZED FOR THE CAPACITY OF ALL GAS EQUIPMENT.
7. PLUMBING CONTRACTOR SHALL COORDINATE PROPANE GAS SERVICE WITH ALL OTHER TRADES TO AVOID CONFLICT.
8. ALL EXPOSED PIPING SHALL BE PAINTED WITH (1) PRIME COAT AND (2) COATS OF BEST QUALITY OIL BASE PAINT.

1. ANY INTERNAL FIXTURE PIPING CONNECTION SIZES SHALL BE IN ACCORDANCE WITH PLUMBING FIXTURE SCHEDULE.
2. ANY PHYSICAL INSTALLATION MODIFICATIONS DUE TO FIELD CONDITIONS SHALL BE RESOLVED BY THE PLUMBING CONTRACTOR IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MECHANICAL ENGINEER AT NO ADDITIONAL EXPENSE TO THE OWNER.
3. ALL WASTE LINES AS SHOWN SHALL BE BELOW FLOOR UNLESS OTHERWISE NOTED. ALL VENT LINES SHALL BE CONCEALED IN WALLS OR ABOVE CEILING. ALL WATER PIPING SHALL BE CONCEALED WHERE PHYSICALLY POSSIBLE.
4. THE ENTIRE INSTALLATION SHALL COMPLY WITH ALL CODES, LOCAL, STATE AND NATIONAL HAVING JURISDICTION.
5. THE CONTRACTOR SHALL RIGIDLY SUPPORT ALL EQUIPMENT.
6. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT TO INSURE A COMPLETE SYSTEM.
7. THE CONTRACTOR SHALL THOROUGHLY COORDINATE HIS WORK WITH THAT OF OTHER TRADES.
8. THE CONTRACTOR SHALL SEAL ALL RESPECTIVE WALL, FLOOR, CEILING OR ROOF PENETRATIONS.
9. THE PLUMBING CONTRACTOR SHALL PAY FOR ALL FEES AND PERMITS AS NECESSARY TO COMPLETE THE INSTALLATION.

SYMBOL	DESCRIPTION	WASTE	VENT	HOT	COLD	LOCATION	REMARKS
CP-1	DOMESTIC CIRCULATION PUMP	-	-	2"	-	MECHANICAL #114	140 DEGREE HWR
DWH-1	DOMESTIC WATER HEATER	-	-	1-1/4"	1-1/4"	MECHANICAL #114	INSTANTANEOUS, TANKLESS, PROPANE FIRED
DWH-2	DOMESTIC WATER HEATER	-	-	1-1/4"	1-1/4"	MECHANICAL #114	INSTANTANEOUS, TANKLESS, PROPANE FIRED
DWH-3	DOMESTIC WATER HEATER	-	-	1-1/4"	1-1/4"	MECHANICAL #114	INSTANTANEOUS, TANKLESS, PROPANE FIRED
ET-1	EXPANSION TANK	-	-	1/2"	-	MECHANICAL #114	BLADDER TYPE TANK WITH T&P RELIEF VALVE
EW-C-1	ELECTRIC WATER COOLER	1-1/2"	1-1/2"	-	1/2"	VARIOUS LOCATIONS	BI-LEVEL, ADA
FD-1	FLOOR DRAIN	SEE PLANS	SEE PLANS	-	-	-	INSTALL WITH TRAP SEAL
FD-2	FLOOR DRAIN	SEE PLANS	SEE PLANS	-	-	-	MEDIUM DUTY, INSTALL WITH TRAP SEAL
HB-1	HOSE BIBB	-	-	-	3/4"	-	INTERIOR, BOX WITH COVER, COLD
LV-1	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	MULTIPLE LOCATIONS	ADA
LV-2	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	MULTIPLE LOCATIONS	-
MB-1	MOP BASIN	2"	1-1/2"	1/2"	1/2"	JANITOR #113, JANITOR #011	-
MV-1	MIXING VALVE	-	-	-	-	-	-
ORD-1	OVERFLOW ROOF DRAIN	SEE PLANS	-	-	-	-	-
OSS-1	OVERFLOW STORM SPOUT	SEE PLANS	-	-	-	-	-
RD-1	ROOF DRAIN	SEE PLANS	-	-	-	-	-
SK-1	SINK (DOUBLE BOWL)	1-1/2"	1-1/2"	1/2"	1/2"	BREAK ROOM #148	ADA
SK-2	SINK (SINGLE BOWL)	1-1/2"	1-1/2"	1/2"	1/2"	LOCATION #118	ADA
SK-3	SINK WALL MOUNTED HAND WASH	1-1/2"	1-1/2"	1/2"	1/2"	CONCESSIONS #005	WALL MOUNTED S/S SINK WITH BACKSPLASH
SP-1	SUMP PUMP	2"	1-1/2"	-	-	-	-
TD-1	TRENCH DRAIN	4"	SEE PLANS	-	-	-	-
TMV-1	MIXING VALVE	-	-	2"	2"	-	-
US-1	UTILITY SINK	2"	1-1/2"	-	3/4"	-	-
WC-1	WATER CLOSET	4"	2"	-	1"	VARIOUS LOCATION ON GROUND FLOOR	FLUSH VALVE, ADA, WALL HUNG
WC-2	WATER CLOSET	4"	2"	-	1"	-	FLUSH VALVE, WALL HUNG
WC-3	WATER CLOSET	4"	2"	-	1"	VARIOUS LOCATION ON FIRST FLOOR	FLUSH VALVE, ADA, FLOOR MOUNTED
WC-4	WATER CLOSET	4"	2"	-	1"	VARIOUS LOCATION ON FIRST FLOOR	FLUSH VALVE, FLOOR MOUNTED
WH-1	WALL HYDRANT	-	-	-	3/4"	EXTERIOR OF BUILDING	-
IMB-1	ICE MAKER WALL BOX	2"	1-1/2"	-	1/2"	GROUND FLOOR STORAGE AND J.C.	RECESSED IN WALL WITH SHUT-OFF VALVE
LWB-1	LAUNDRY WALL BOX	2"	1-1/2"	3/4"	3/4"	GROUND FLOOR	

	NEW DOMESTIC COLD WATER PIPING
	NEW DOMESTIC HOT WATER PIPING
	NEW DOMESTIC HOT WATER CIRCULATING PIPING
	NEW DOMESTIC 140 HOT WATER PIPING
	NEW DOMESTIC 140 HOT WATER CIRCULATING PIPING
	NEW PROPANE GAS PIPING
	NEW CONDENSATE PIPING
	NEW SANITARY DRAIN PIPING
	NEW ACID WASTE DRAIN PIPING
	FLOOR CLEANOUT
	WALL CLEANOUT
	NEW SANITARY VENT PIPING
	NEW ACID WASTE VENT PIPING
	NEW GREASE LADEN WASTE DRAIN PIPING
	VENT THRU ROOF
	NEW EMERGENCY OVERFLOW STORM WATER PIPING
	NEW STORM WATER PIPING
	RAIN WATER CONDUCTOR (STORM SEWER RISER)
	NEW ROOF DRAIN
	SHUT-OFF VALVE
	CHECK VALVE AND BALANCING VALVE

AF	ABOVE FINISHED FLOOR
AG	ABOVE GRADE
AW	ACID WASTE PIPING
BG	BELOW GRADE
CO	CLEANOUT
CW	COLD WATER
DF	DRINKING FOUNTAIN
EWC	ELECTRIC WATER COOLER
EX	EXISTING
FD	FLOOR DRAIN
GW	GREASE LADEN WASTE DRAIN PIPING
HW	HOT WATER
HWR	HOT WATER RECIRCULATION
LV	LAVATORY
MB	MOP BASIN
OST	EMERGENCY STORM SEWER OVERFLOW
RD	ROOF DRAIN
SHR	SHOWER
SK	SINK
SS	SERVICE SINK
ST	STORM SEWER
UR	URINAL
VTR	VENT THRU ROOF
WC	WATER CLOSET

ALL RIGHTS, PLANS SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE ROHRBAUGH & ASSOCIATES RETAINS ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREO. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION.
© CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

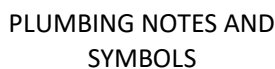
01	MM-DD-YR	NAME	DESCRIPTION OF CHANGES
3	08/04/26		ADDENDUM 3
5	08/12/26		ADDENDUM 5

TOWSON, MARYLAND

NEW CONSTRUCTION FOR

THE SOLANCO SCHOOL DISTRICT

585 SOLANCO ROAD, QUARRYVILLE, PA 17566



as indicated

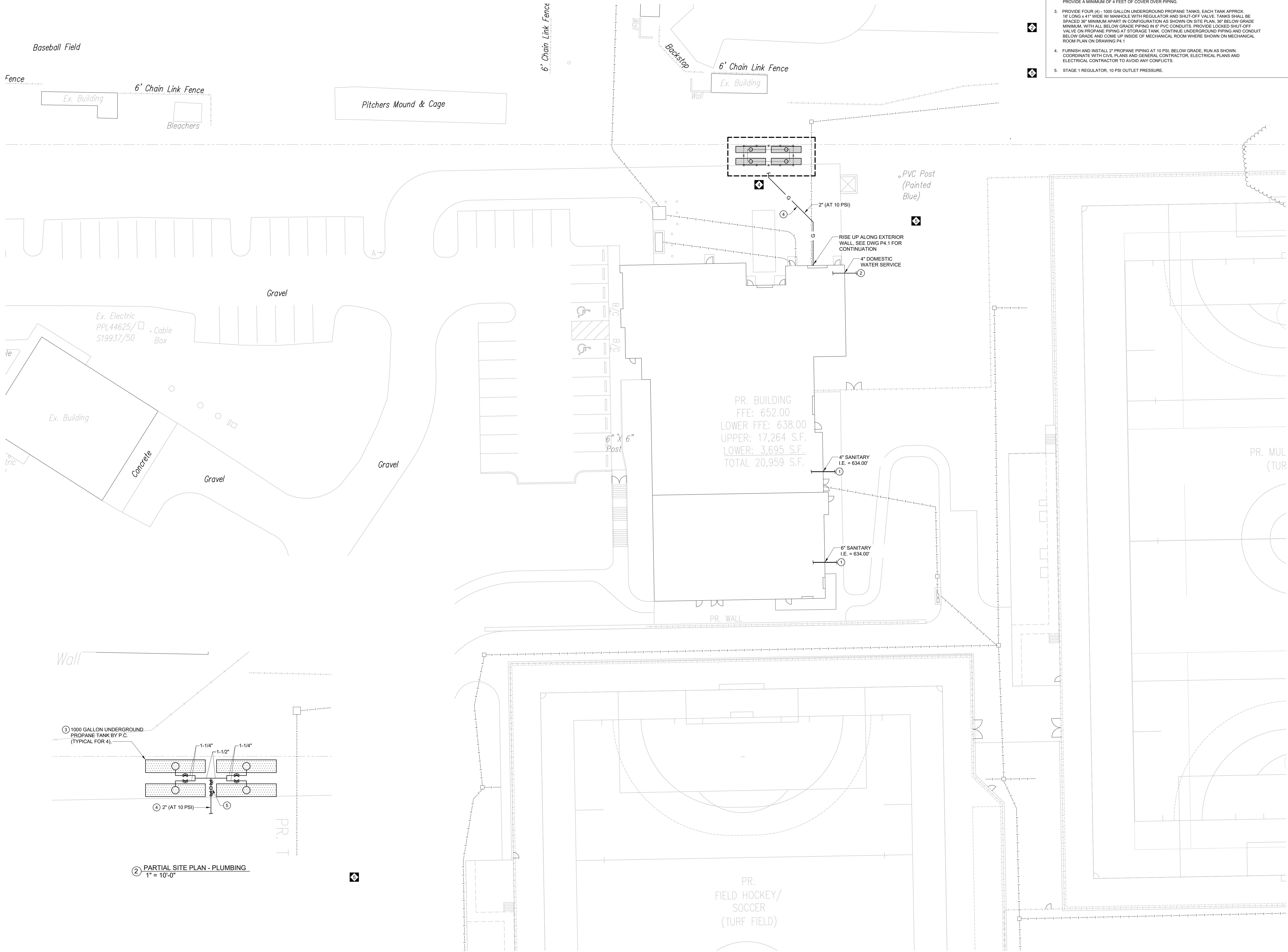
NAME:

NAME:

TE: JULY 8, 2026

3706

P0.1



- DRAWING NOTES:**
- RUN SANITARY PIPING 5'-0" FROM BUILDING AND CONNECT TO SITE PIPING. PROVIDE CLEANOUT.
 - RUN DOMESTIC WATER SERVICE PIPING 5'-0" FROM BUILDING AND CONNECT TO SITE PIPING. PROVIDE A MINIMUM OF 4 FEET OF COVER OVER PIPING.
 - PROVIDE FOUR (4) 1000 GALLON UNDERGROUND PROPANE TANKS. EACH TANK APPROX. 16' LONG x 41" WIDE W/ MANHOLE WITH REGULATOR AND SHUT-OFF VALVE. TANKS SHALL BE SPACED 36" MINIMUM APART IN CONFIGURATION AS SHOWN ON SITE PLAN, 36" BELOW GRADE MINIMUM. WITH ALL BELOW GRADE PIPING IN 2" PVC CONDUITS. PROVIDE LOCKED SHUT-OFF VALVE ON PROPANE PIPING AT STORAGE TANK. CONTINUE UNDERGROUND PIPING AND CONDUIT BELOW GRADE AND COME UP INSIDE OF MECHANICAL ROOM WHERE SHOWN ON MECHANICAL ROOM PLAN ON DRAWING P4.1
 - FURNISH AND INSTALL 2" PROPANE PIPING AT 10 PSI, BELOW GRADE, RUN AS SHOWN. COORDINATE WITH CIVIL PLANS AND GENERAL CONTRACTOR, ELECTRICAL PLANS AND ELECTRICAL CONTRACTOR TO AVOID ANY CONFLICTS.
 - STAGE 1 REGULATOR, 10 PSI OUTLET PRESSURE.

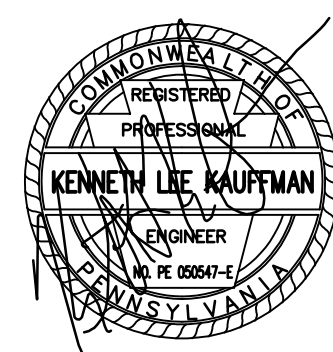
2 PARTIAL SITE PLAN - PLUMBING
1" = 10'-0"

1 SITE PLAN - PLUMBING
1" = 20'-0"

CONFORMED SET



3637 Columbia Avenue
Lancaster PA 17603
P 717 285 3141
MooreEngineering.com



ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES RETAINS ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF ANY MATERIAL, IN ANY FORM OR BY ANY MEANS, WITHOUT THE WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION.
© CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

REVISIONS

NO.	DATE	BY	NAME	DESCRIPTION OF CHANGES
2	07/27/26			ADDENDUM 2
4	08/06/26			ADDENDUM 4
5	08/12/26			ADDENDUM 5

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS

www.cra-architects.com

TOWSON, MARYLAND

CHARLOTTEVILLE, VIRGINIA

WHITE SULPHUR SPRINGS, WEST VIRGINIA

401 EAST WINDING HILL ROAD

MECHANICSBURG PA 17055

717-458-0272

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
585 SOLANCO RD, QUARRYVILLE, PA 17566

CR

SITE PLAN -
PLUMBING

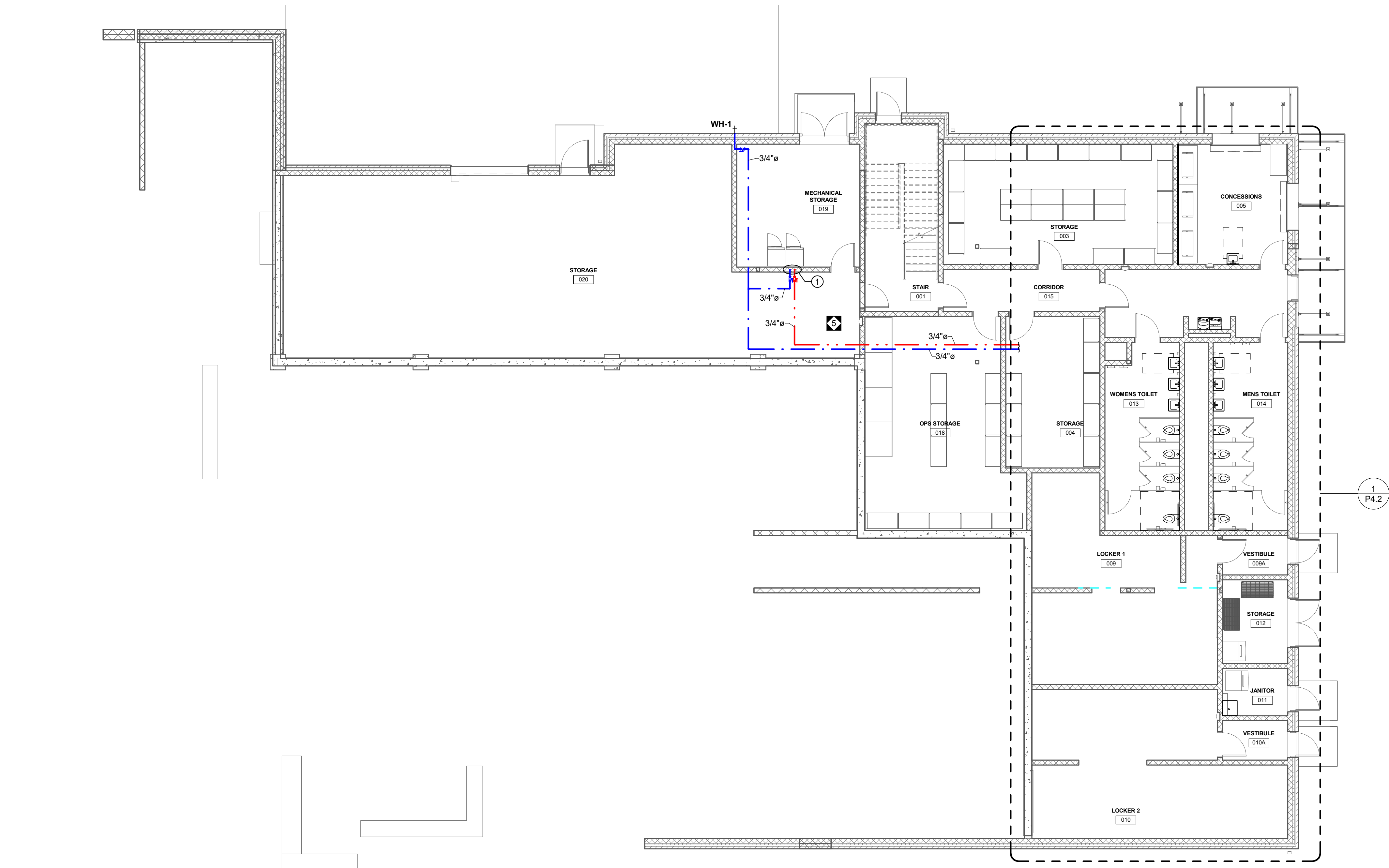
PLOTSCALE:

FILENAME:
24072

DATE:
JULY 8, 2026

PROJECT
3706

P1.1



1 GROUND FLOOR DOMESTIC
1/8" = 1'-0"



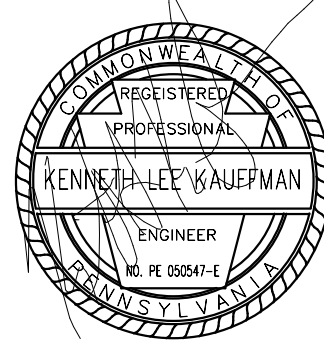
DRAWING NOTES:

1. PLUMBING CONTRACTOR SHALL PROVIDE 3/4" CW AND HW DOWN TO WASHER CONNECTION BOX IN WALL. PROVIDE WITH LOCAL SHUT-OFF VALVES IN BOX ALONG WITH VALVES IN CEILING IN STORAGE AREA.

CONFORMED SET



3637 Columbia Avenue
Lancaster PA 17603
P: 717.286.3141
MooreEngineering.com



ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES RESERVE ALL COPYRIGHT, PATENT AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THE MATERIAL HEREIN WITHOUT THE WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION. © CRABTREE, ROHRBAUGH & ASSOCIATES, INC. 2024

REVISIONS

NO.	DATE	NAME	DESCRIPTION OF CHANGES
5	06/12/26		ADDENDUM 5

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS

401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272

TOWSON, MARYLAND
CHARLOTTEVILLE, VIRGINIA
WHITE SULPHUR SPRINGS, WEST VIRGINIA

www.cra-architects.com

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
585 SOLANCO ROAD, QUARRYVILLE, PA 17566

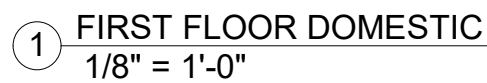


GROUND FLOOR DOMESTIC
PLUMBING PLAN

PLOT SCALE:
1/8" = 1'-0"
FILENAME:
DATE:
JULY 8, 2026

PROJECT
3706

P2.1

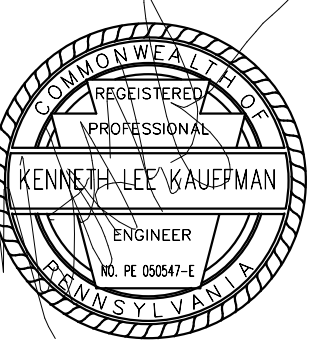


1. INSTALL BALANCING VALVE, CHECK VALVE, AND SHUT-OFF VALVE. REFER TO DETAIL ON SHEET P5.1.

CONFORMED SET



3637 Columbia Avenue
Lancaster PA 17603
P: 717.285.3141
MooreEngineering.com



ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE ROHRBAUGH & ASSOCIATES RETAINS ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THERE TO. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION.
© CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

REVISIONS

01	MM-DD-YR	NAME	DESCRIPTION OF CHANGES
2	07/28/26		ADDENDUM 2
3	08/04/26		ADDENDUM 3
5	08/12/26		ADDENDUM 5

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS
401 EAST WINDING HILL ROAD
TOWSON, MARYLAND
www.cra-architects.com

TOWSON, MARYLAND

CHARLOTTESVILLE, VIRGINIA

WHITE SULPHUR SPRINGS, WEST VIRGINIA

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
585 SOLANCO ROAD, QUARRYVILLE, PA 17566



FIRST FLOOR DOMESTIC
PLUMBING PLAN

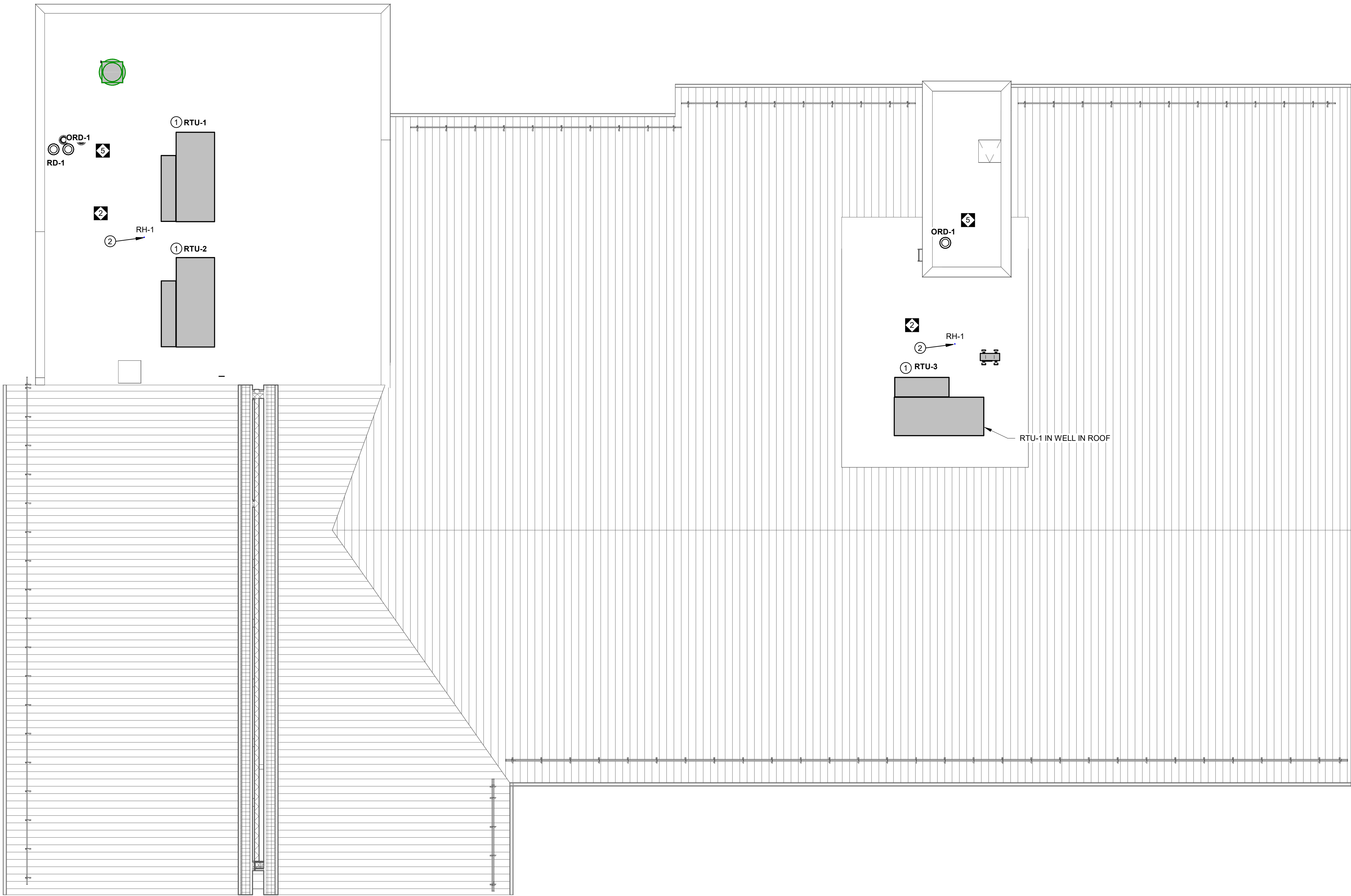
PLOT SCALE:
1/8" = 1'-0"

FILENAME:

DATE: JULY 8, 2026

PROJECT
3706

P2.2



1 PLUMBING ROOF PLAN
1/8" = 1'-0"

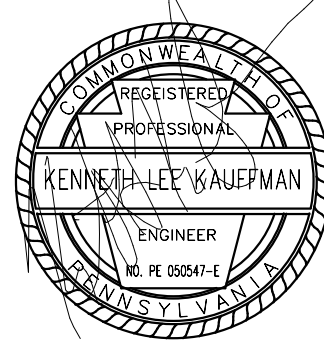
DRAWING NOTES:

- CONNECT 1-1/2" CONDENSATE PIPE WITH TRAP TO ROOFTOP UNIT. ROUTE CONDENSATE DOWN TO 1ST FLOOR CEILING THROUGH PIPE PORTAL. SEE P3.2 FOR CONTINUATION.
- PROVIDE 3/4" ROOF HYDRANT WITH PIPE PORTAL THROUGH ROOF. SEE DETAIL ON DRAWING P5.1

CONFORMED SET



3637 Columbia Avenue
Lancaster PA 17603
P: 717.286.3141
MooreEngineering.com



ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES RESERVE ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION.
© CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

REVISIONS

NO.	DATE	NAME	DESCRIPTION OF CHANGES
2	07/28/26		ADDENDUM 2
5	08/12/26		ADDENDUM 5

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS

401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272

TOWSON, MARYLAND
CHARLOTTEVILLE, VIRGINIA
WHITE SULPHUR SPRINGS, WEST VIRGINIA

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
585 SOLANCO ROAD, QUARRYVILLE, PA 17566

NEW CONSTRUCTION FOR

NEW DISTRICT ADMINISTRATION OFFICES

THE SOLANCO SCHOOL DISTRICT

585 SOLANCO ROAD, QUARRYVILLE, PA 17566



PLUMBING ROOF PLAN

PLOT SCALE:

1/8" = 1'-0"

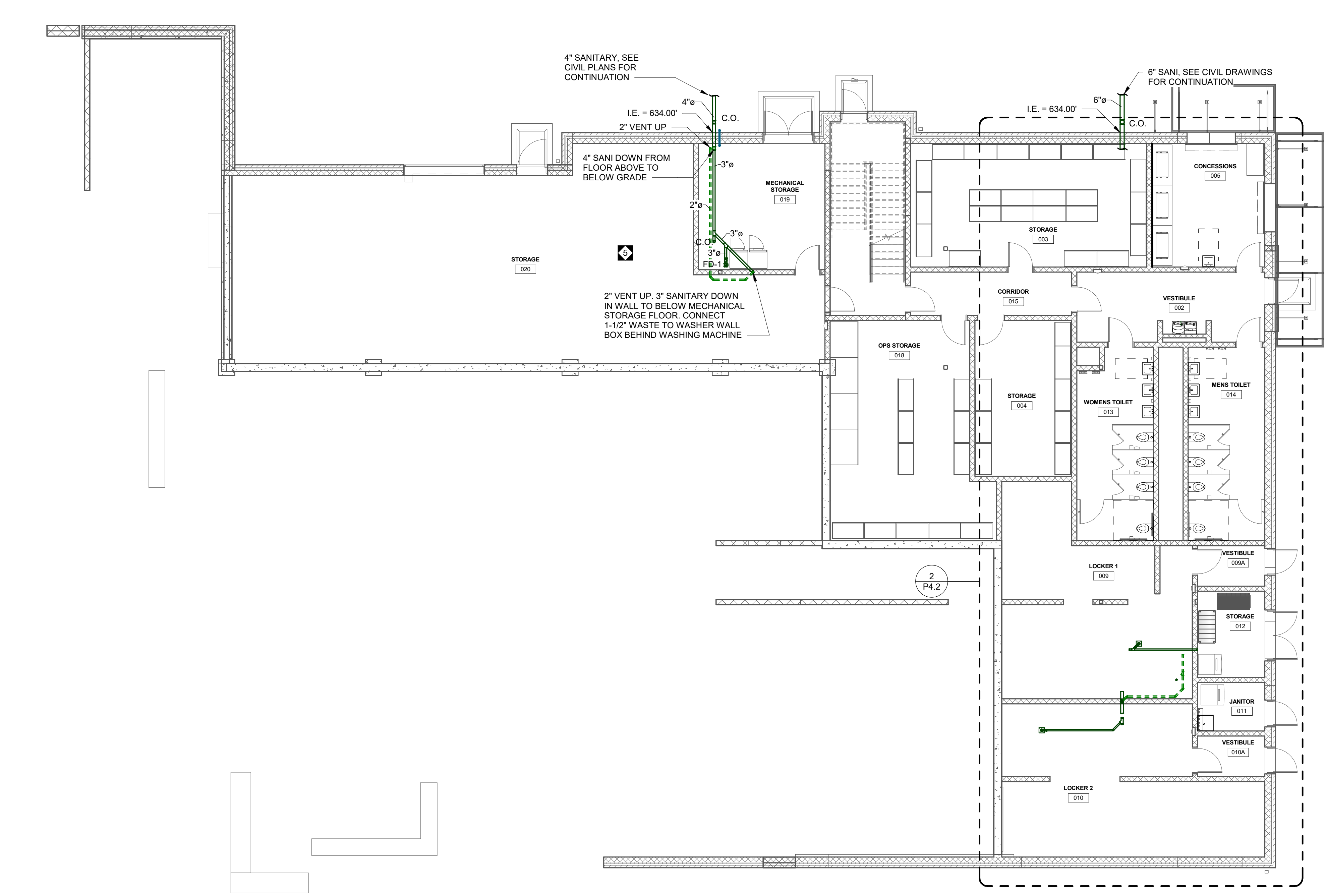
FILENAME:

DATE:

JULY 8, 2026

PROJECT
3706

P2.3

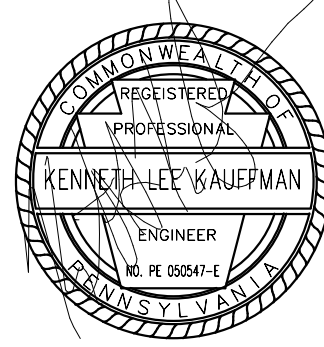


1 GROUND FLOOR SANITARY
1/8" = 1'-0"

CONFORMED SET



3637 Columbia Avenue
Lancaster PA 17603
P: 717.286.3141
MooreEngineering.com



ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES WILL TARE ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THE MATERIAL HEREIN WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION. © CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

REVISIONS

NO.	DATE	NAME	DESCRIPTION OF CHANGES
5	06/12/26		ADDENDUM 5

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS

www.cra-architects.com

TOWSON, MARYLAND

CHARLOTTEVILLE, VIRGINIA

WHITE SULPHUR SPRINGS, WEST VIRGINIA

401 EAST WINDING HILL ROAD

MECHANICSBURG PA 17055

717-458-0272

NEW CONSTRUCTION FOR

NEW DISTRICT ADMINISTRATION OFFICES

THE SOLANCO SCHOOL DISTRICT

585 SOLANCO ROAD, QUARRYVILLE, PA 17566



GROUND FLOOR SANITARY
PLUMBING PLAN

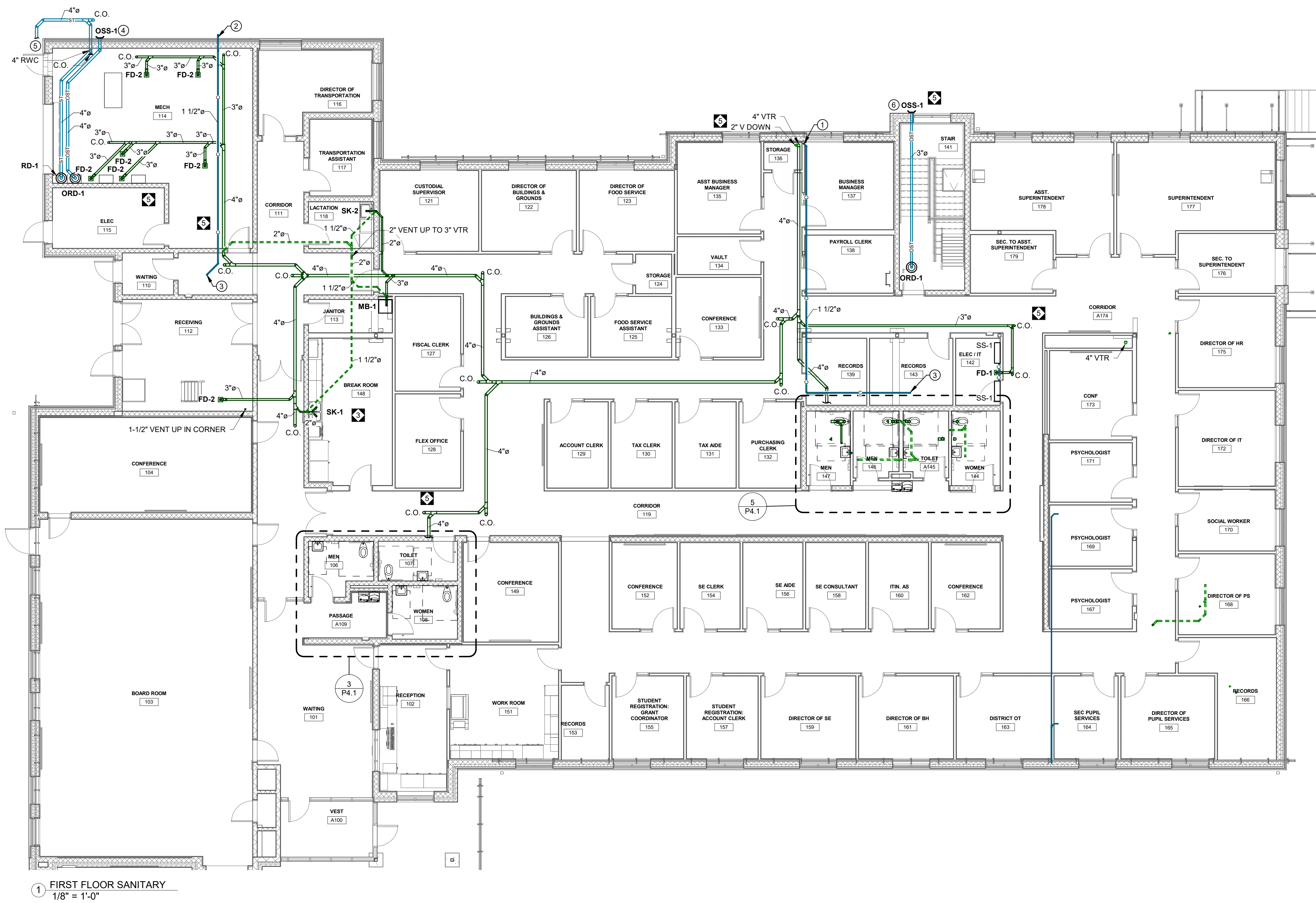
PLOT SCALE:
1/8" = 1'-0"

FILENAME:

DATE:
JULY 8, 2026

PROJECT
3706

P3.1



1 FIRST FLOOR SANITARY
1/8" = 1'-0"

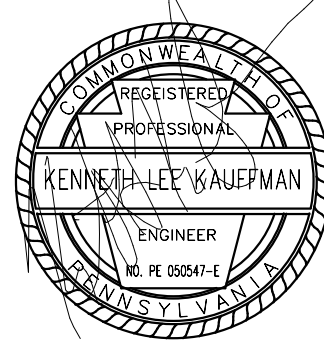
DRAWING NOTES:

- ROUTE CONDENSATE ABOVE CEILING TO EXTERIOR WALL. DROP WITHIN WALL TO LOWER LEVEL AND TERMINATE 12" ABOVE GRADE. PROVIDE DRIP BLOCK AT TERMINATION.
- ROUTE CONDENSATE ABOVE CEILING TO EXTERIOR WALL. DROP ALONG WALL AND TERMINATE 12" ABOVE GRADE. PROVIDE DRIP BLOCK AT TERMINATION.
- CONDENSATE DOWN FROM ROOF.
- RUN OVERFLOW STORM PIPING DOWN TO 18" ABOVE EXTERIOR GRADE. RUN OUT THRU WALL AND TERMINATE WITH OVERFLOW STORM SPOUT.
- STORM PIPING 5'-0" FROM BUILDING AND CONNECT TO SITE PIPING. PROVIDE CLEANOUT.
- RUN OVERFLOW STORM PIPING HIGH OUT THRU WALL AND TERMINATE WITH OVERFLOW STORM SPOUT.
- RUN STORM PIPING (RWC) DOWN TO BELOW FLOOR, PROVIDE CLEANOUT AT BASE OF RISER.

CONFORMED SET



3637 Columbia Avenue
Lancaster PA 17603
P: 717.286.3141
MooreEngineering.com



ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES RESERVE ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THIS MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION.
© CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

REVISIONS

NO.	DATE	NAME	DESCRIPTION OF CHANGES
1	08/04/26		ADDENDUM 1
2	08/12/26		ADDENDUM 2
3			
4			
5			
6			
7			
8			
9			
10			

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS
401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272

www.cra-architects.com

TOWSON, MARYLAND
CHARLOTTEVILLE, VIRGINIA
WHITE SULPHUR SPRINGS, WEST VIRGINIA

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
585 SOLANCO ROAD, QUARRYVILLE, PA 17566

CR

FIRST FLOOR SANITARY
PLUMBING PLAN

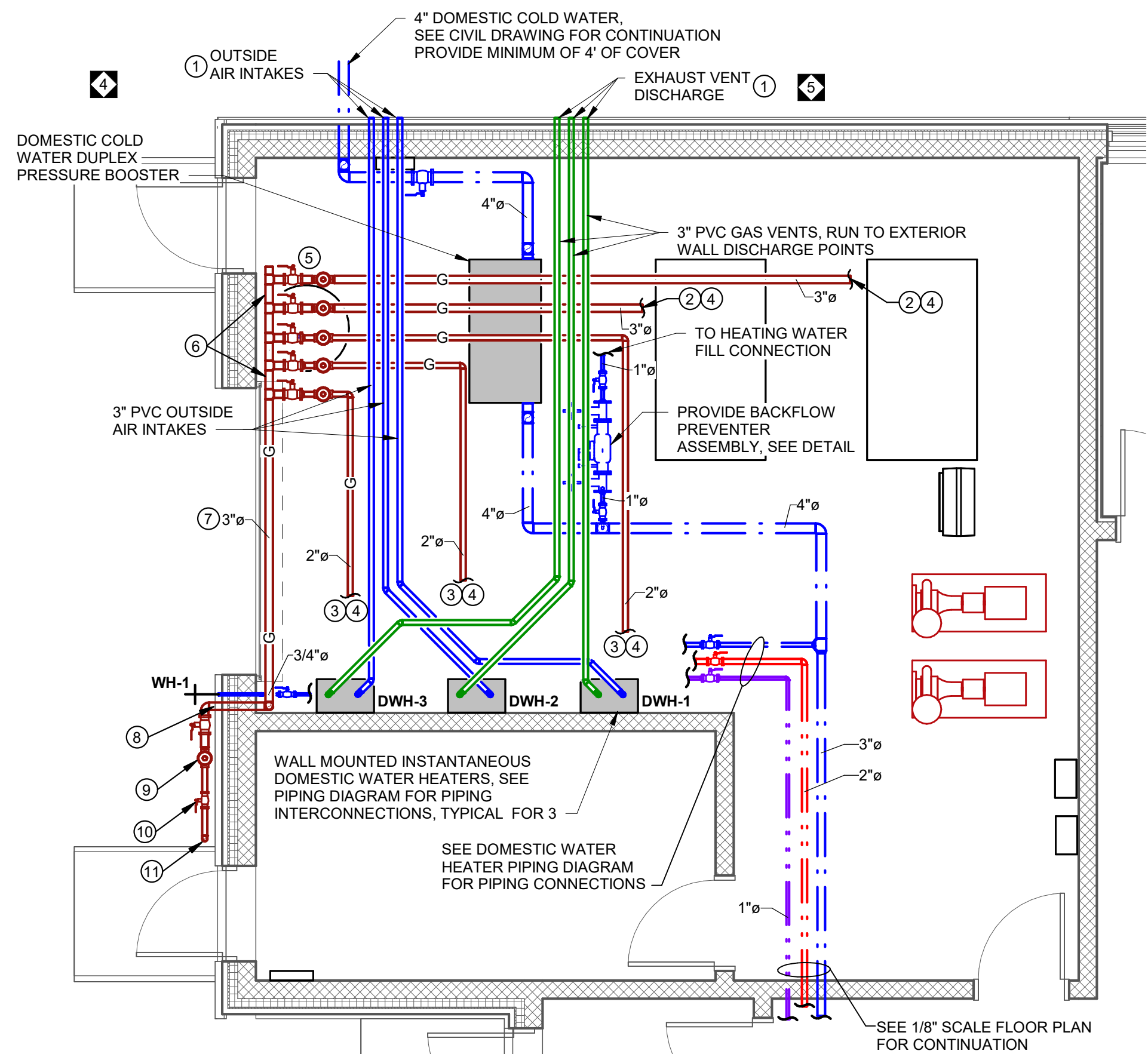
PLOT SCALE:
1/8" = 1'-0"

FILENAME:

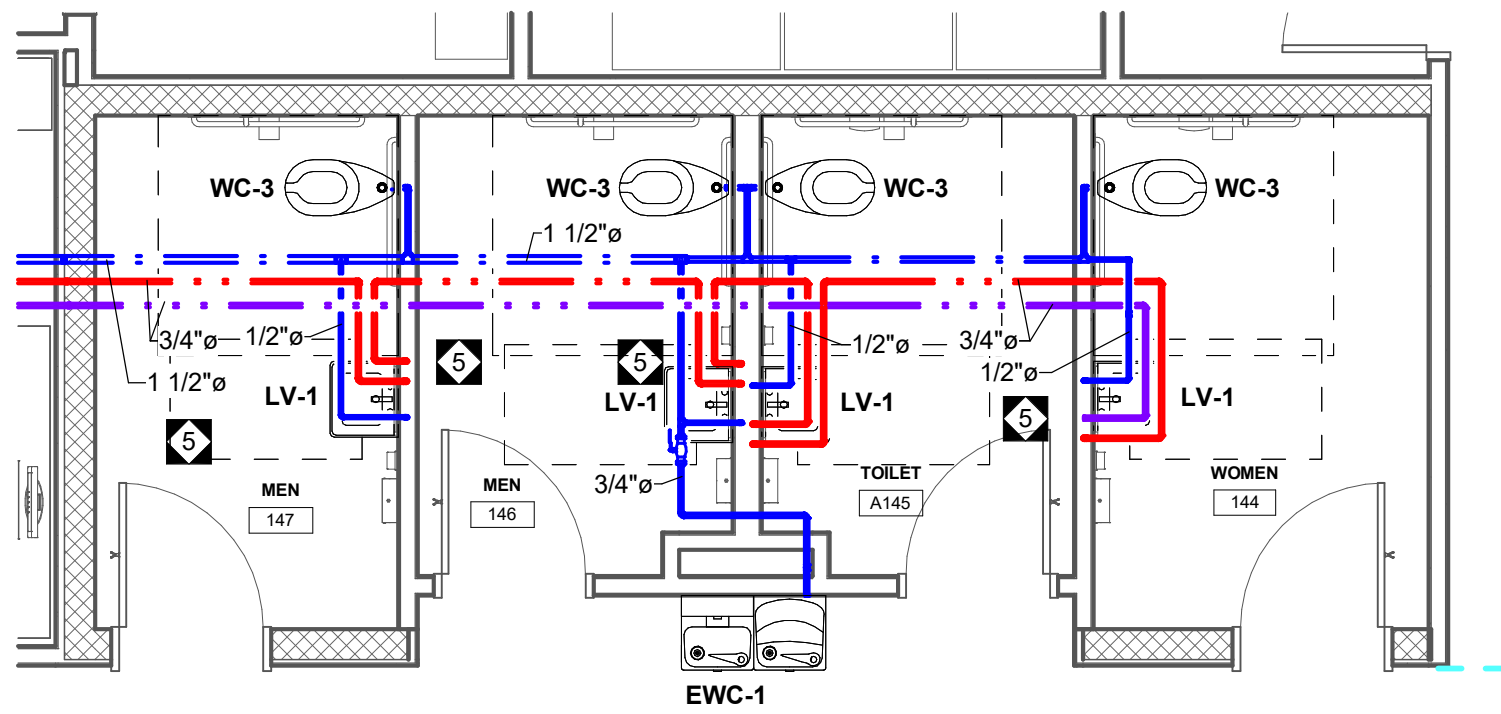
DATE:
JULY 8, 2026

PROJECT
3706

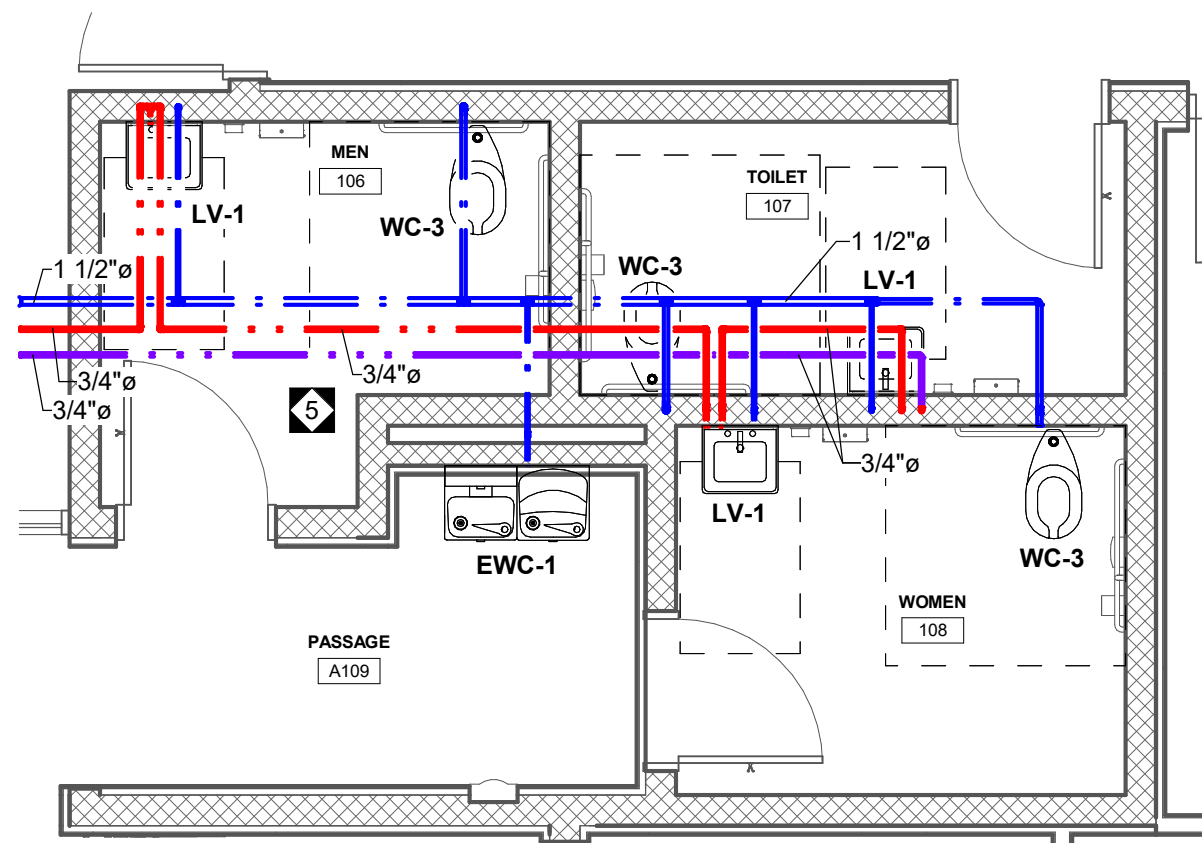
P3.2



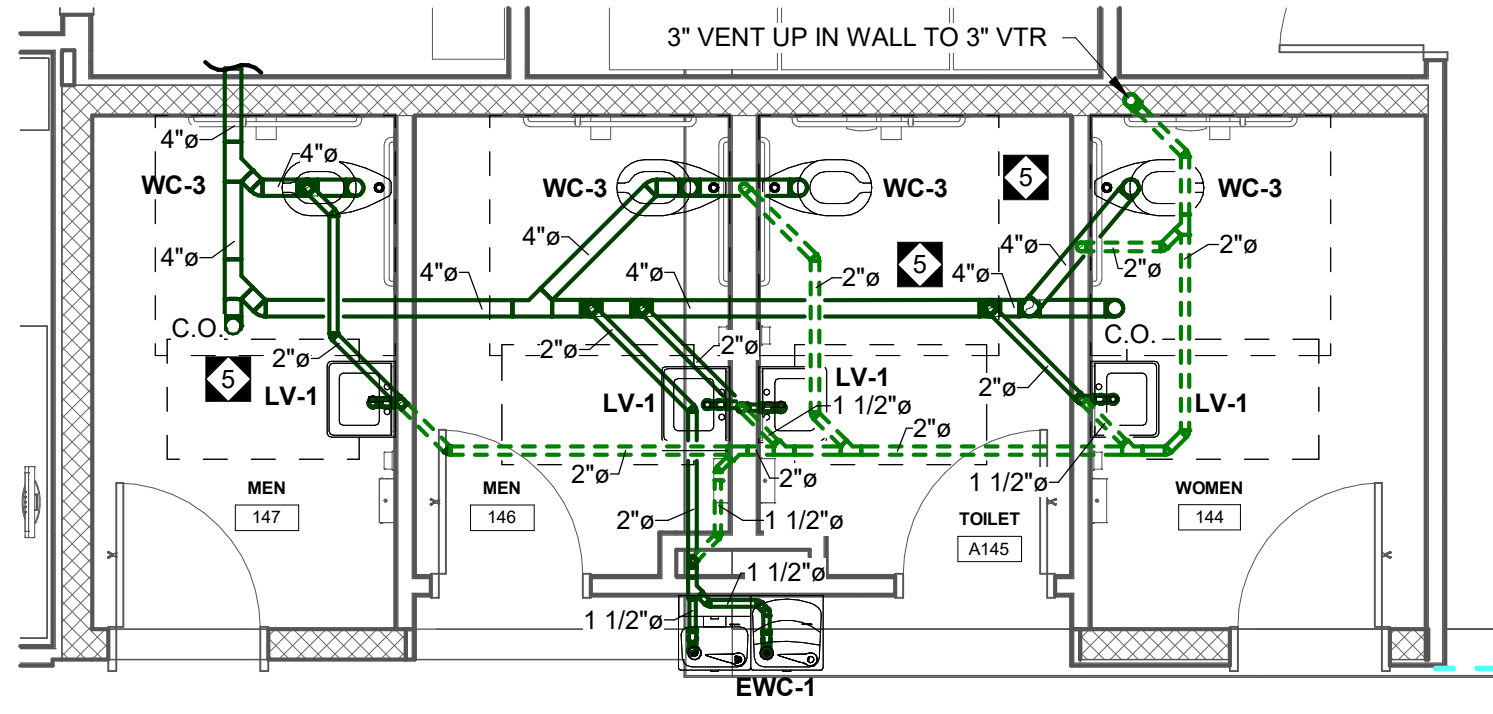
1 ENLARGED PLUMBING MECHANICAL ROOM
1/4" = 1'-0"



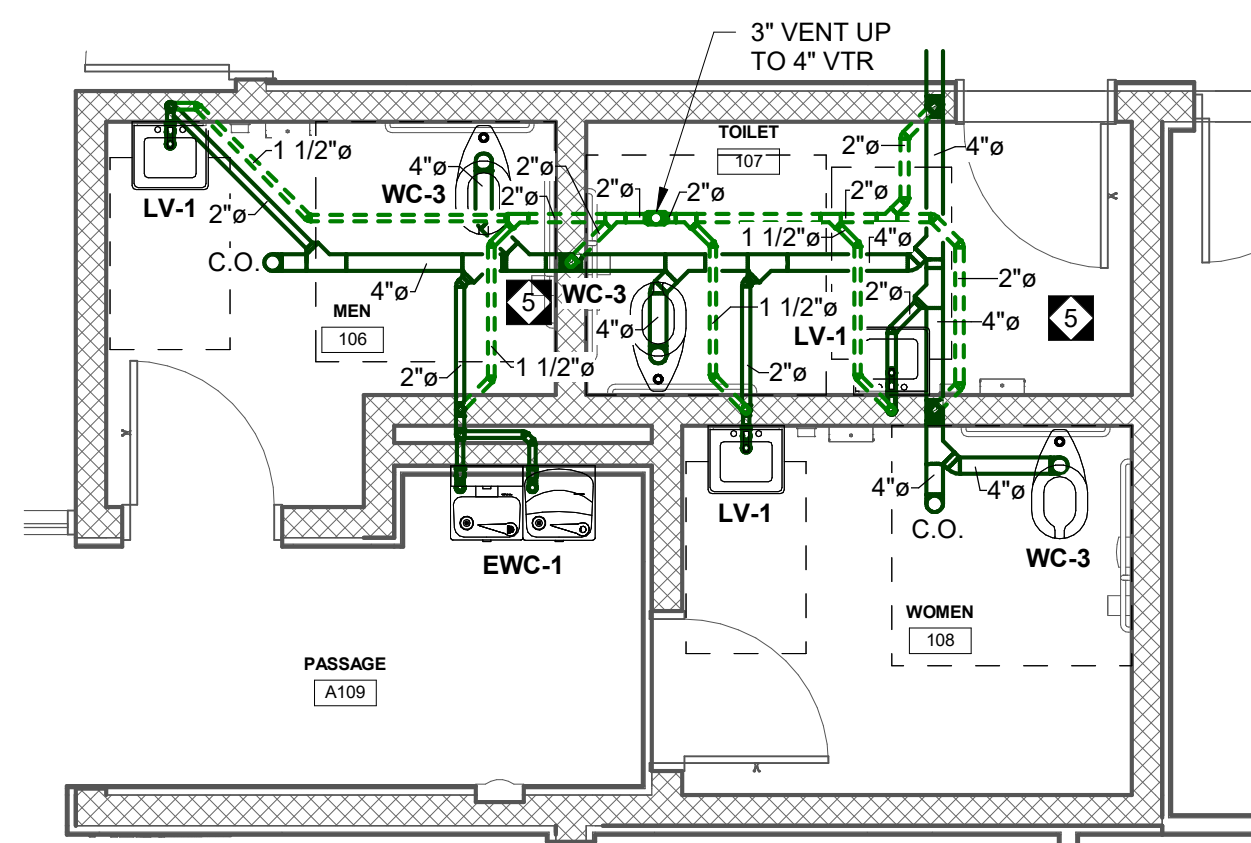
4 TOILET RM DOMESTIC A144-A147
1/4" = 1'-0"



2 ENLARGED PLUMBING TOILET ROOM A106 - A108 - DOMESTIC
1/4" = 1'-0"



5 TOILET RM SANITARY A144-A147
1/4" = 1'-0"



3 ENLARGED PLUMBING TOILET ROOMS A106 - A108 - SANITARY & VENT
1/4" = 1'-0"

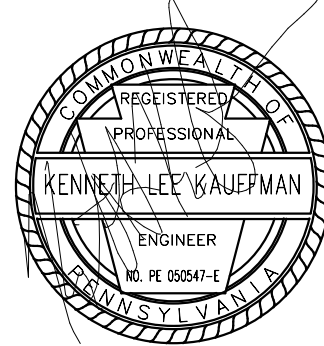
DRAWING NOTES:

1. PROVIDE MANUFACTURER'S TERMINATION FITTINGS FOR SIDEWALL INSTALLATION. INSTALL FLUE AND INTAKE PER ALL MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. RUN 3" GAS OR AS SUGGESTED BY THE BOILER MANUFACTURER TO EACH BOILER, TIED INTO CONNECTION POINT AS SHOWN BY THE MANUFACTURER. PROVIDE ALL PIPING SPECIALTIES AS SUGGESTED.
3. RUN 2" GAS MINIMUM OR AS SUGGESTED BY THE DOMESTIC WATER HEATER MANUFACTURER, AND PROVIDE PIPING SPECIALTIES AS SUGGESTED BY THE MANUFACTURER.
4. AT A MINIMUM, PROVIDE ALL PIPING SPECIALTIES AS CALLED FOR ON THE DETAILS AND PER THE SPECIFICATIONS.
5. PROVIDE STAGE 3 LOW PRESSURE REGULATORS FOR EACH PIECE OF GAS FIRED EQUIPMENT TYPICAL FOR ALL 5.
6. PROVIDE 3" PROPANE GAS MANIFOLD, HIGH.
7. PROVIDE 3" (2 PSI) GAS MAIN.
8. PROVIDE 3" PROPANE GAS PIPE INTO BLDG. AT 2.0 PSI.
9. PROVIDE STAGE 2 GAS METER, 10 PSI IN AND 2 PSI GAS PRESSURE OUT.
10. PROVIDE SHUT-OFF VALVES UPSTREAM AND DOWNSTREAM OF PRESSURE REGULATOR.
11. 2" PROPANE GAS FROM TANK FARM, SEE DRAWING P1.1 FOR CONTINUATION. RISE UP ALONG EXTERIOR WALL. COORDINATE WITH ELECTRICAL SERVICE.

CONFORMED SET



3637 Columbia Avenue
Lancaster PA 17603
P: 717.286.3141
MooreEngineering.com



ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES WILL TAKE ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THIS MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION. © CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

REVISIONS

NO.	DATE	NAME	DESCRIPTION OF CHANGES
1	08/06/26		ADDENDUM 4
5	08/12/26		ADDENDUM 5

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS

www.cra-architects.com

TOWSON, MARYLAND

CHARLOTTEVILLE, VIRGINIA

WHITE SULPHUR SPRINGS, WEST VIRGINIA

401 EAST WINDING HILL ROAD

MECHANICSBURG PA 17055

717-458-0272

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
585 SOLANCO ROAD, QUARRYVILLE, PA 17566



PLUMBING ENLARGED
PLANS

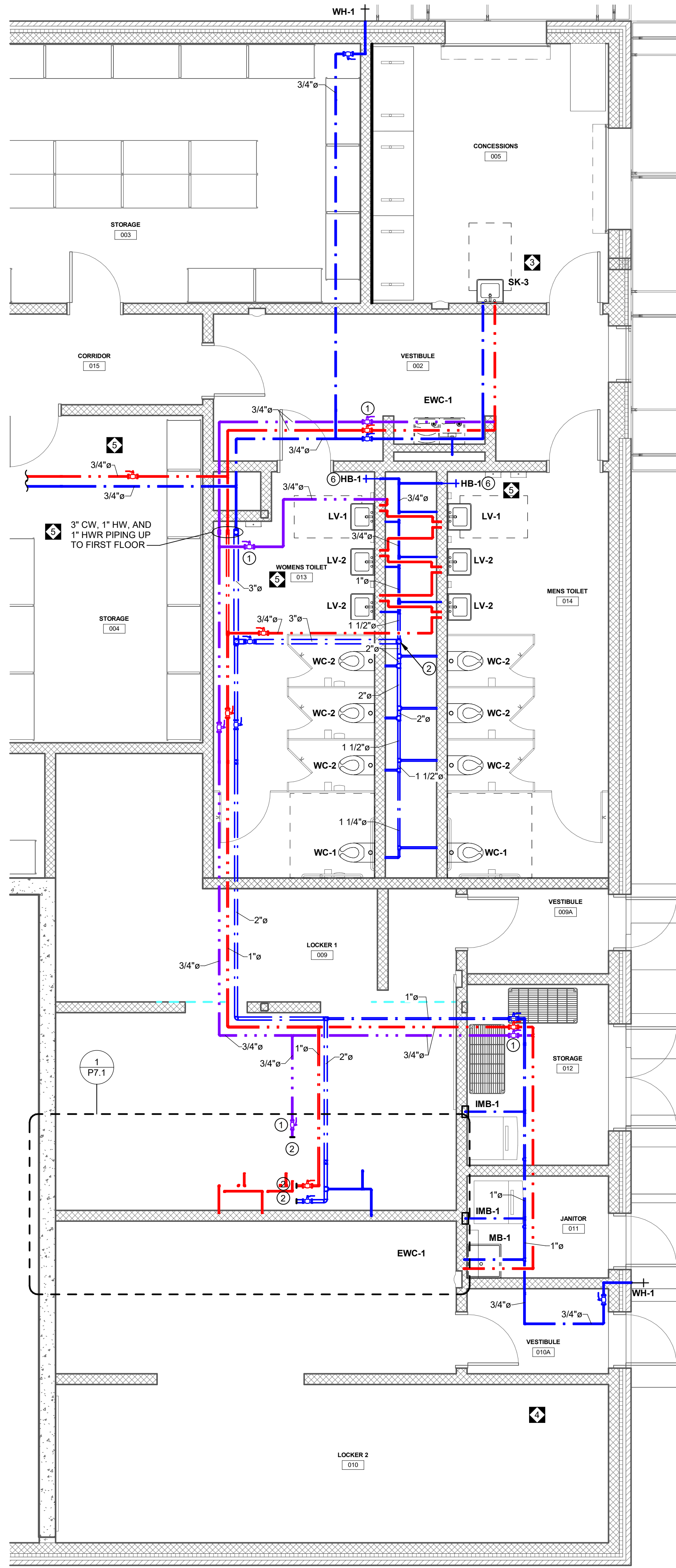
PLOT SCALE:
1/4" = 1'-0"

FILENAME:

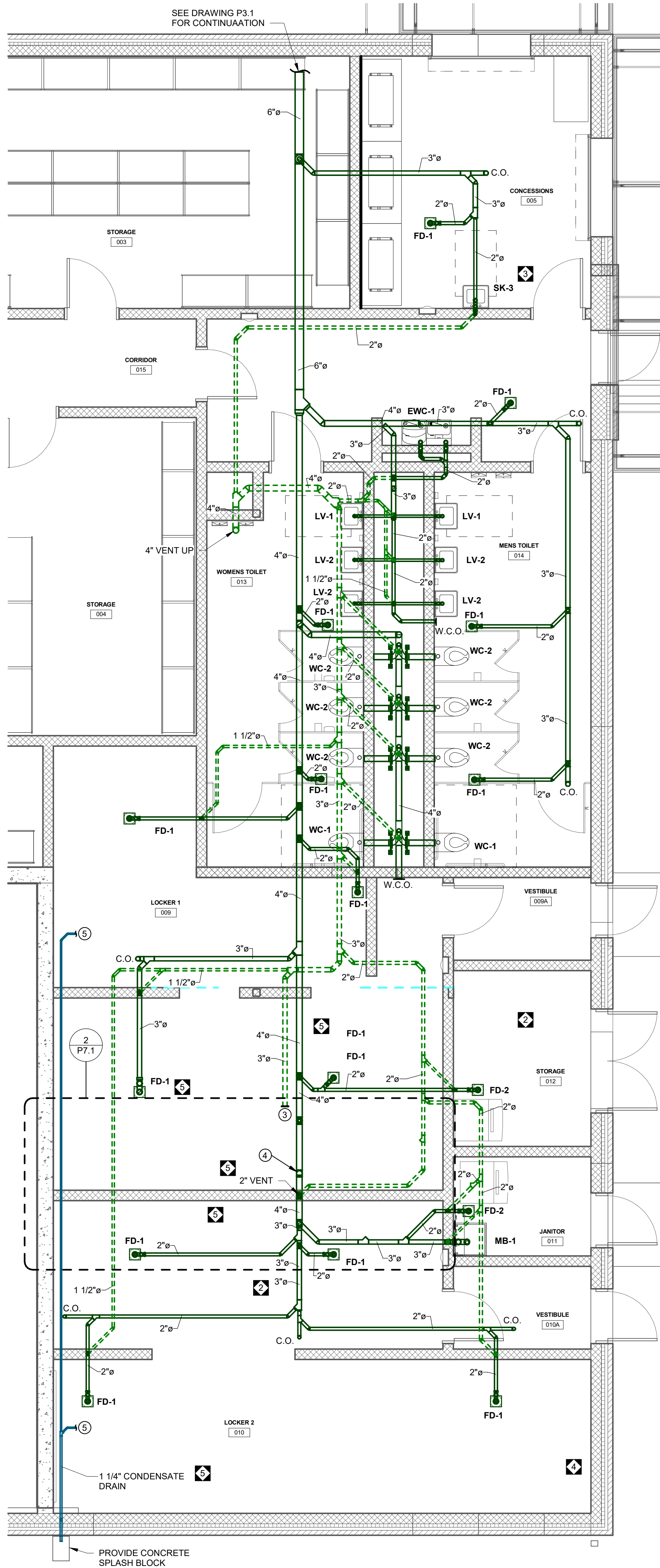
DATE:
JULY 8, 2026

PROJECT
3706

P4.1



1 ENLARGED LOCKER ROOMS A009 A010 - DOMESTIC WATER
1/4" = 1'-0"



2 ENLARGED LOCKER ROOMS A009 A010 - SANITARY & VENT
1/4" = 1'-0"

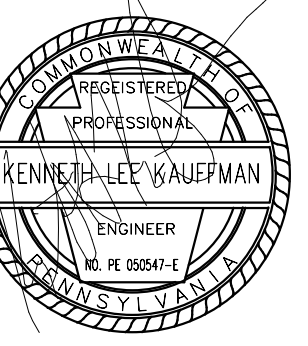
DRAWING NOTES:

1. INSTALL BALANCING VALVE, CHECK VALVE, AND SHUT-OFF VALVE, REFER TO DETAIL ON SHEET P5.1.
2. STUB DOMESTIC PIPING FOR FUTURE CONNCTION.
3. STUB VENT FOR FUTURE CONNECTIONS.
4. STUB 4" SANITARY UP THROUGH FLOOR FOR FUTURE CONNECTIONS.
5. 3/4" CONDENSATE DRAIN TO FAN COIL UNIT. PROVIDE TRAP AND CLEANOUT.
6. PROVIDE 3/4" DOMESTIC COLD WATER HOSE BIBB, HB-1, BELOW LAVATORY CONNECTED TO THE DOMESTIC COLD WATER MAIN.

CONFORMED SET



3637 Columbia Avenue
Lancaster PA 17603
P: 717.286.3141
MooreEngineering.com



ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF CRABTREE, ROHRBAUGH & ASSOCIATES. CRABTREE, ROHRBAUGH & ASSOCIATES RESERVE ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF CRABTREE, ROHRBAUGH & ASSOCIATES VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION. © CRABTREE, ROHRBAUGH & ASSOCIATES, INC 2024

REVISIONS

NO.	DATE	NAME	DESCRIPTION OF CHANGES
1	07/28/26		ADDENDUM 2
2	08/04/26		ADDENDUM 3
3	08/06/26		ADDENDUM 4
4	08/12/26		ADDENDUM 5

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS
401 EAST WINDING HILL ROAD
MECHANICSBURG PA 17055
717-458-0272

www.cra-architects.com

TOWSON, MARYLAND

CHARLOTTEVILLE, VIRGINIA

WHITE SULPHUR SPRINGS, WEST VIRGINIA

NEW CONSTRUCTION FOR
NEW DISTRICT ADMINISTRATION OFFICES
THE SOLANCO SCHOOL DISTRICT
585 SOLANCO ROAD, QUARRYVILLE, PA 17566



PLUMBING ENLARGED
PLANS

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

FILENAME:

DATE:
JULY 8, 2026

PROJECT
3706

P4.2