

IMPORTANT NOTES REGARDING YOUR PERMIT

1. The attached permit gives you permission to commence construction in accordance with the approved drawings that you have submitted. A copy of the approved drawings must be kept on site. Any changes made during construction shall be submitted to the building code official for approval.
»» Changes made during construction on commercial structures must be stamped by the registered design professional and submitted for review to our Wexford Office.
2. It is the responsibility of the permit holder or an authorized agent to schedule and provide access for inspections. Refer to the attached inspection procedures guide regarding required MDIA inspections.
3. A building or structure shall not be used or occupied without a certificate of occupancy issued by the building code official. A certificate of occupancy shall not be issued without a final approval indicating that ALL required inspections have been completed. These may include, but not be limited to: zoning, stormwaters, sewage disposal, etc.
4. Failure to obtain the required inspections and certificate of occupancy may result in one or more of the following: inability to sell or refinance the building, loss of insurance coverage, disconnection of utilities, legal action punishable by fines up to \$1,000.00/day.
5. A permit becomes invalid unless the authorized construction work begins within 180 days after the permit's issuance or if the authorized construction work permit is suspended or abandoned for 180 days after the work has commenced. A permit may be valid for no more than 5 years from its issue date.

INSPECTION PROCEDURES COMMERCIAL AND MULTI-FAMILY CONSTRUCTION

- Building permit must be posted on the site of the work and clearly visible from the road until completion of the project.
- Your approved plans must be available at all times for inspection. These are the plans that were submitted with your application and were marked "Approved" by the building code official.
- **DO NOT schedule an inspection if the work is not ready!!!!**
- When scheduling an inspection, you must supply a permit number to the inspector.

PLEASE GIVE THREE (3) WORKING DAYS ADVANCE NOTICE FOOTING INSPECTION WILL BE GIVEN PRIORITY

MIDDLE DEPARTMENT INSPECTION AGENCY, INC.

1. Footing – To be done after forming and prior to placing of concrete.
Inspector: Patrick Duffy Phone: 1-800-922-6342
2. Foundation inspection – French drain and water-proofing prior to backfilling.
Inspector: Patrick Duffy Phone: 1-800-922-6342
3. Plumbing under slab (rough-in) done prior to placing concrete floor.
Inspector: Patrick Duffy Phone: 1-800-922-6342
4. Electrical – Rough in to be done prior to insulating.
Inspector: John Balser Phone: 412-292-9073
5. Framing inspection – Done prior to insulating, but after heating, plumbing and wiring are roughed in, and prior to any exterior finishes being applied.
Inspector: Patrick Duffy Phone: 1-800-922-6342
6. Energy conservation.
Inspector: Patrick Duffy Phone: 1-800-922-6342
7. Wallboard- Only needed if there is an integral or attached garage.
Inspector: Patrick Duffy Phone: 1-800-922-6342
8. Final Electrical – When job is completely finished.
Inspector: John Balser Phone: 412-292-9073
9. Final inspection – When job is completely finished, prior to occupancy permit and after plumbing, mechanical and electrical.
Inspector: Patrick Duffy Phone: 1-800-922-6342

BEFORE DIGGING CALL 811 – SEE ATTACHED BROCHURE

BEAVER COUNTY EMERGENCY SERVICES PROPOSED BUILDING ADDITION

BEAVER COUNTY

WIDMER ENGINEERING No: 25659 AND 25052
FEBRUARY 2026

PENNSYLVANIA

PROJECT LOCATION - 501 CONSTITUTION BLVD
BEAVER FALLS, PA 15010



LOCATION MAP

SOURCE: PASDA AERIAL MAPPING - 53001250PAS
SCALE: NOT TO SCALE

CALL BEFORE YOU DIG!

PENNSYLVANIA ACT 287 REQUIRES
3 WORKING DAYS NOTICE FOR
CONSTRUCTION PHASE AND 5 WORKING
DAYS IN DESIGN STAGE - STOP - CALL

PENNSYLVANIA ONE CALL SYSTEM, INC.

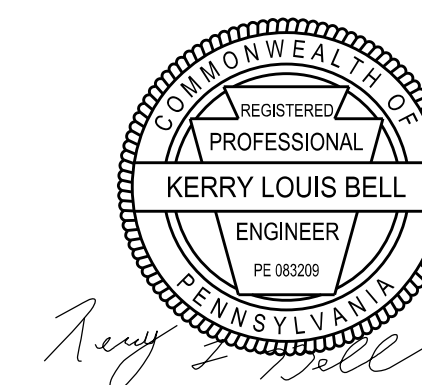
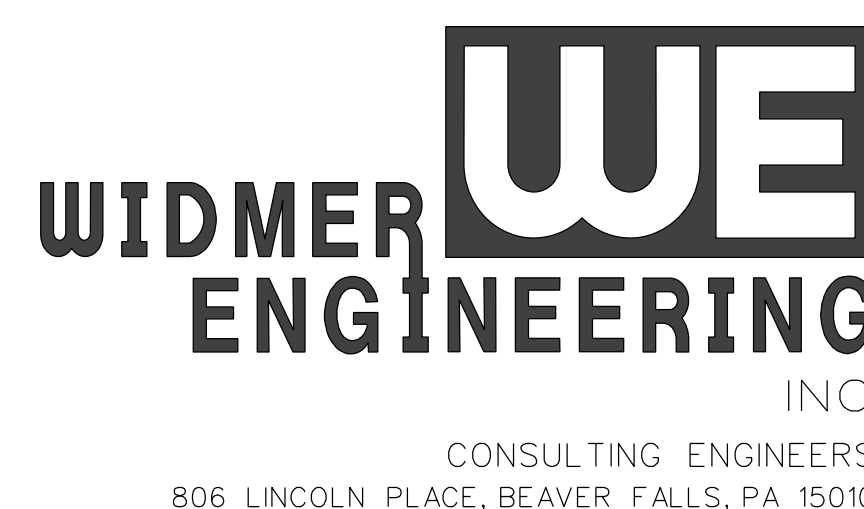
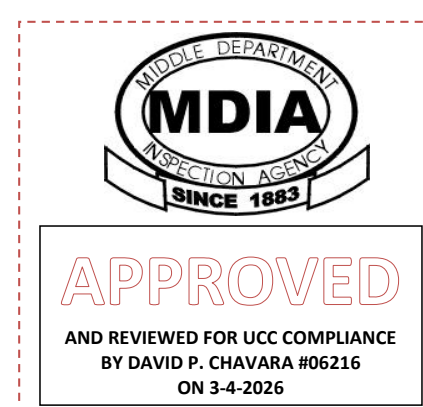
1-800-242-1776
OR 811

PENNSYLVANIA ONE-CALL:

1. ALL UNDERGROUND UTILITIES ARE SHOWN AT APPROXIMATE
LOCATIONS. EXACT LOCATIONS, DEPTH, AND SIZE OF ALL
EXISTING UTILITIES IN THE PROJECT AREA SHALL BE FIELD
VERIFIED BY THE CONTRACTOR WITH A REPRESENTATIVE FROM
THE APPROPRIATE UTILITY COMPANY. THE CONTRACTOR SHALL
BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES AT
LEAST SEVENTY-TWO (72) HOURS BEFORE ANY WORK IS
COMMENCED AT THE PROJECT SITE.

PENNSYLVANIA ONE-CALL: 1-800-242-1776 OR 811

NOTE: THIS BUILDING COMPLIES WITH THE 2018 INTERNATIONAL BUILDING CODE



CONTACT PERSON:
TONY F. SADAKA P.E.
WIDMER ENGINEERING, INC.
806 LINCOLN PLACE
BEAVER FALLS, PA 15010
PHONE: 724-847-1696

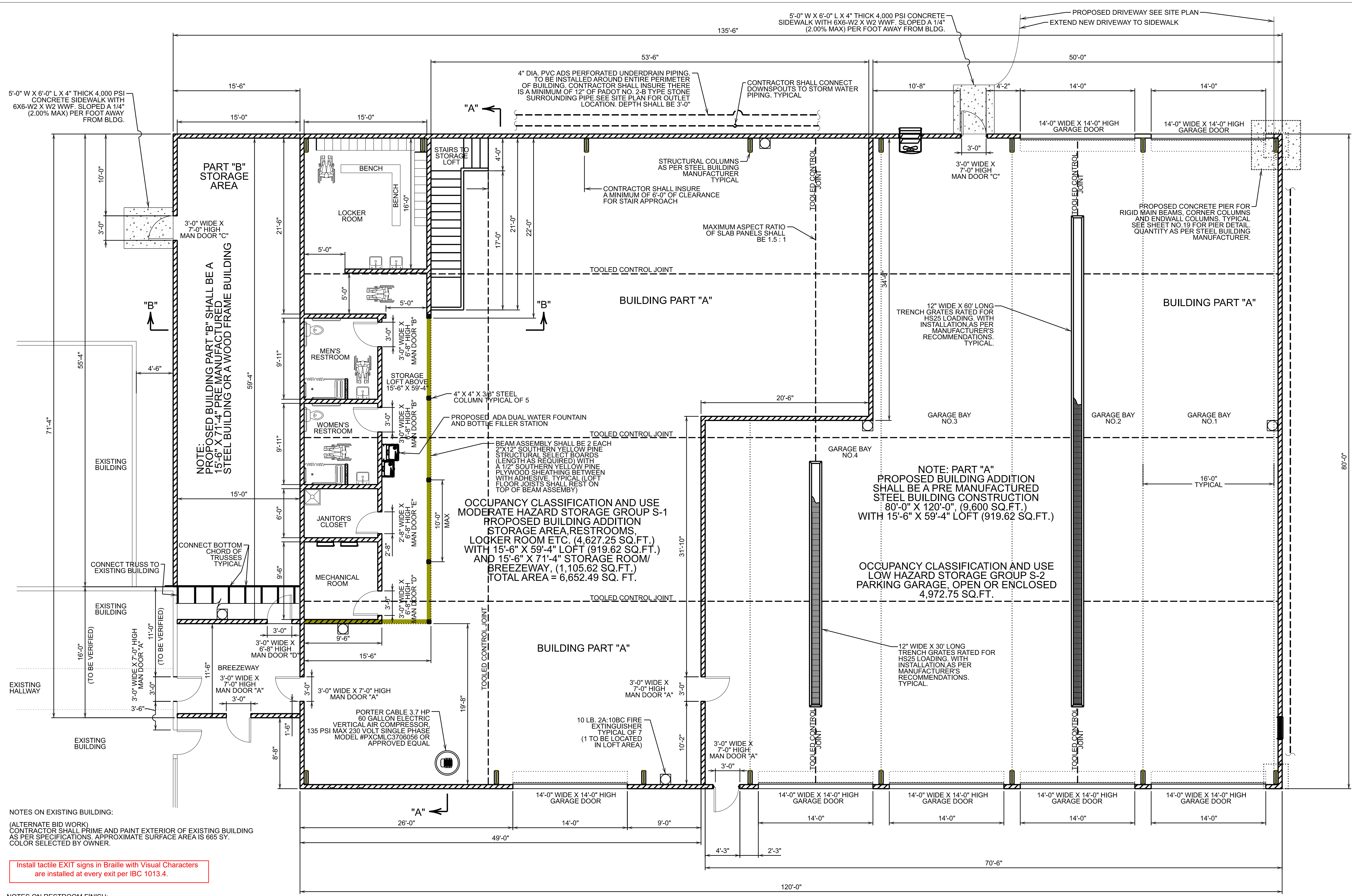
INTERNATIONAL BUILDING CODE - CODE COMPLIANCE REVIEW

CODE	DESCRIPTION	APPLICATION
CHAPTER 3	MIXED USE AND OCCUPANCY	
311.3	MODERATE-HAZARD STORAGE, GROUP S-1, STORAGE AREA	STORAGE AREA = 6,652.49 SQ. FT.
	LOW-HAZARD STORAGE, GROUP S-2, PARKING GARAGE OPEN OR CLOSED	PARKING GARAGE/STORAGE AREA = 4,972.75 SQ. FT.
CHAPTER 5	GENERAL BUILDING HEIGHTS & AREA	
503	ALLOWABLE HEIGHT & BUILDING AREA	GROUP S CONSTRUCTION TYPE II-A NON SPRINKLER, ALLOWED S-1, 4-STORY, S-2, 5-STORY, HEIGHT OF 65', AREA OF S-1 ALLOWED 26,000 SF AREA OF S-2 ALLOWED 39,000 SF. - ACTUAL 2-STORY, HEIGHT IS 25'-10", AREA FOR S-1 IS 6,652.49 AREA FOR S-2 IS 4,972.75 SF
CHAPTER 6	TYPES OF CONSTRUCTION	
602.3	TYPE II-A	TWO STORY EXTERIOR STRUCTURAL STEEL PRIMARY FRAME CONSTRUCTION, ROOF STEEL CONSTRUCTION AND INTERIOR WOOD FRAME WALL ASSEMBLIES
CHAPTER 7	FIRE RESISTANCE CONSTRUCTION	NOT REQUIRED AS PER TABLE 601 TYPE II-A - 1 HOUR FIRE RATING PROPOSED THROUGHOUT
CHAPTER 8	INTERIOR FINISHES	
T 803.5	CLASS A - FLAME SPREAD 0-25 MINIMUM	INTERIOR FINISHES
CHAPTER 9	FIRE PROTECTION SYSTEMS	
903	AUTOMATIC SPRINKLER SYSTEM	SPRINKLERS ARE NOT REQUIRED
906	PORTABLE FIRE EXTINGUISHERS	RATING 2ABC - 2-A MAX. TRAVEL DISTANCE = 75' FLOOR, 7 THROUGH OUT.
CHAPTER 10	MEANS OF EGRESS	
1003.2	MEANS OF EGRESS CEILING HEIGHT	MINIMUM 7'-6"
1004	OCCUPANCY LOAD	STORAGE S-1 OCCUPANCY - ACCESORY STORAGE AREAS 6,412.49 SF - BUILDING OCCUPANCY LOAD 1 PER 300 GROSS) MAX = 22 PEOPLE STORAGE S-1 OCCUPANCY - LOCKER ROOM AREAS 240 SF - BUILDING OCCUPANCY LOAD 1 PER 50 GROSS) MAX = 5 PEOPLE STORAGE S-2 OCCUPANCY - PARKING GARAGE 4,972.75 SF - BUILDING OCCUPANCY LOAD 1 PER 300 GROSS) MAX = 17 PEOPLE OCCUPANT LOAD = 44 OCCUPANTS
1005	MINIMUM EGRESS WIDTH	DOORS = 20" MINIMUM PER 100 OCCUPANTS (0.2 INCH X 100 OCCUPANTS = 20 INCHES MINIMUM) 36" WIDE EXITS PROVIDED
1006	NUMBER OF EXITS AND EXIT ACCESS DOORWAYS	MINIMUM OF 2 EXITS REQUIRED, MAXIMUM COMMON PATH OF TRAVEL IS 75'
1008	MEANS OF EGRESS - ILLUMINATION	1 - FOOT CANDLE @ FLOOR, EXISTING CORRIDORS, ON INTERIOR AND EXTERIOR OF EGRESS DOORS
1010	MEANS OF EGRESS - DOORS	32" MINIMUM CLEAR WIDTH, 80" MINIMUM CLEAR HEIGHT, SIDE SWING WITH EXIT DISCHARGE, FLOOR OR LANDING ON EACH SIDE, THRESHOLDS <f", PANIC HARDWARE AT 34-38" AFF., 36" > 32" O/C.
1013	EXIT SIGNS	AT ALL REQUIRED EXITS (NOTED ON PLANS)
1017.2	EXIT ACCESS TRAVEL DISTANCE	GROUP S-1 WITHOUT SPRINKLERS = 200' - GROUP S-2 WITH WITHOUT SPRINKLERS = 300'
1020.1	CORRIDOR FIRE - RESISTANCE RATING	OCCUPANT LOAD > 30 WITHOUT SPRINKLER SYSTEM REQUIRES 1 HR FIRE RATING - WITH SPRINKLER SYSTEM REQUIRES A 0 HR FIRE RATING
1020.2	CORRIDOR WIDTH	NOT LESS THAN 44"
1022	NUMBER OF EXITS	MINIMUM OF 2 EXITS REQUIRED FOR 1-500 OCCUPANTS
SNOW LOAD IS 40 PSF AND WIND LOAD IS 110 MPH		

The use of combustible materials for the construction of the interior non-bearing partition walls where the Fire-Resistance-Rating is 2 hour or less shall be of Fire-Retardant-Treated Wood per IBC Section 603.1.

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18 OF 19	25659-18	BUILDING SECTION "B-B" AND DETAILS
19 OF 19	25659-19	FRAMING AND MISCELLANEOUS DETAILS

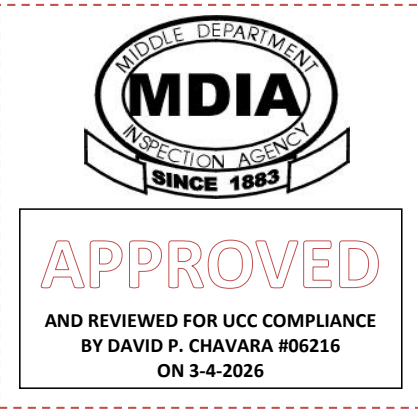


NOTES ON EXISTING BUILDING:
 (ALTERNATE BID WORK)
 CONTRACTOR SHALL PRIME AND PAINT EXTERIOR OF EXISTING BUILDING AS PER SPECIFICATIONS. APPROXIMATE SURFACE AREA IS 665 SY. COLOR SELECTED BY OWNER.

Install tactile EXIT signs in Braille with Visual Characters are installed at every exit per IBC 1013.4.

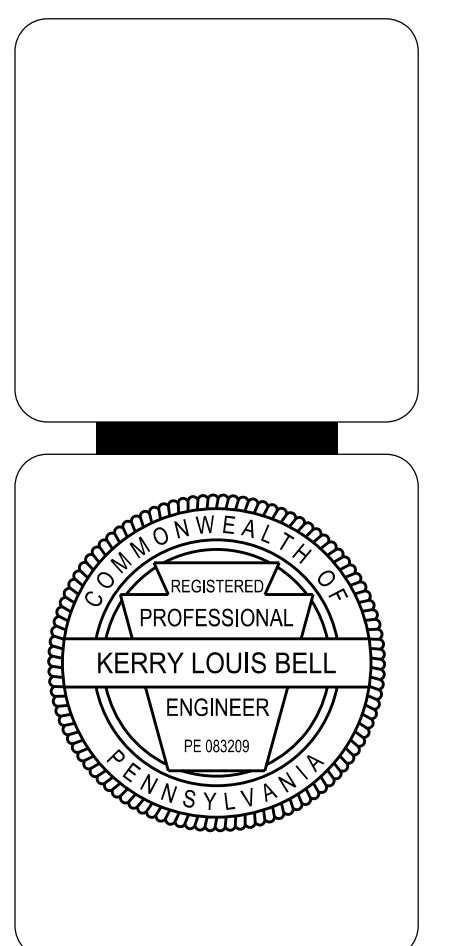
NOTES ON RESTROOM FINISH:
 AS PER 2018 IBC
 SEC. 1209.2.1 FLOORS AND WALL BASES.
 RESTROOM FLOORS AND WALLS SHALL HAVE A SMOOTH, HARD NONABSORBANT SURFACE. THE INTERSECTIONS OF SUCH FLOORS WITH WALLS SHALL HAVE A SMOOTH, HARD, NONABSORBANT VERTICAL BASE THAT EXTENDS UPWARD ONTO WALL NOT LESS THAN 4 INCHES.
 SEC. 1209.2.2 WALLS AND PARTITIONS.
 WALLS AND PARTITIONS WITHIN 2 FEET OF SERVICE SINKS, URINALS AND WATER CLOSETS SHALL HAVE A SMOOTH, HARD NONABSORBENT SURFACE, TO A HEIGHT OF NOT LESS THAN 4 FEET ABOVE FLOOR, AND EXCEPT FOR STRUCTURAL ELEMENTS, THE MATERIALS USED IN SUCH WALLS SHALL BE OF A TYPE THAT IS NOT ADVERSELY AFFECTED BY MOISTURE.
 JANITOR'S CLOSET AND LOCKER ROOM SHALL BE FINISHED AS PER RESTROOMS.

CODE COMPLIANCE NOTES:
 1.) BUILDING AND RESTROOMS COMPLIES WITH ICC/ANSI A117.1-2010
 2.) BUILDING COMPLIES WITH THE 2018 INTERNATIONAL BUILDING CODE
 3.) PLUMBING COMPLIES WITH THE 2018 INTERNATIONAL PLUMBING CODE
 4.) ELECTRICAL COMPLIES WITH THE NATIONAL ELECTRICAL CODE
 5.) MECHANICAL COMPLIES WITH THE 2018 INTERNATIONAL MECHANICAL CODE

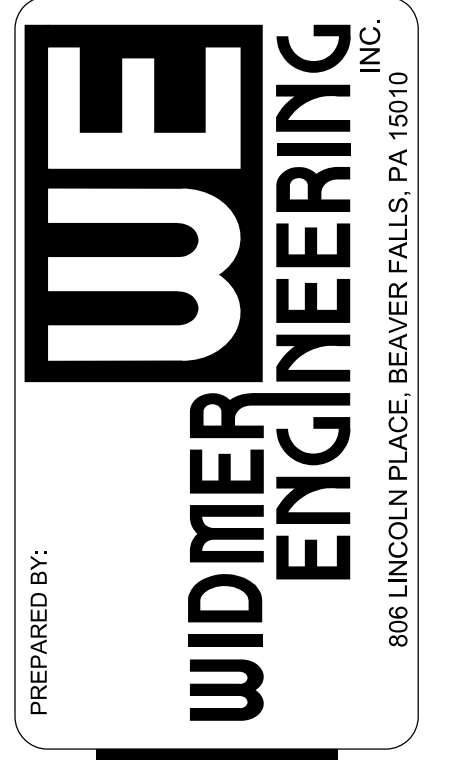


NOTE:
 PROPOSED 80'-0" X 120'-0" PRE MANUFACTURED STEEL BUILDING. STEEL BUILDING MANUFACTURER IS REQUIRED TO SUBMIT CERTIFIED STAMPED ENGINEERING DRAWINGS FOR STRUCTURAL DESIGN. DESIGN TO MEET 2018 INTERNATIONAL BUILDING CODE. WIND BRACING AS PER 2018 INTERNATIONAL BUILDING CODE

CONTACT PERSON:
 TONY F. SADAKA P.E.
 WIDMER ENGINEERING, INC.
 806 LINCOLN PLACE,
 BEAVER FALLS, PA 15010
 PHONE: 724-847-1696

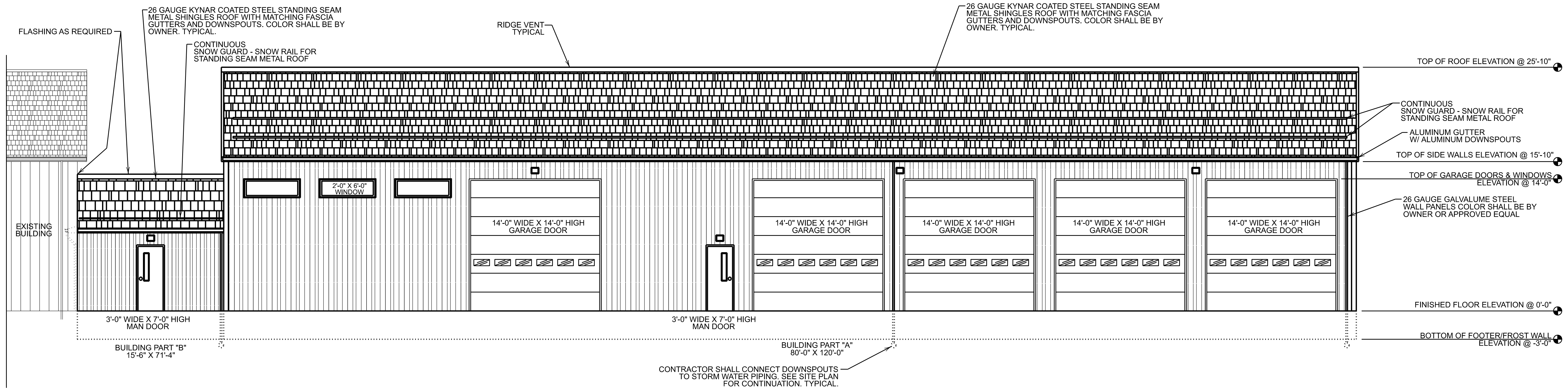


REVISIONS	DATE	BY	CHK



BUILDING FLOOR PLAN
 BEAVER COUNTY EMERGENCY SERVICES
 PROPOSED BUILDING ADDITION
 BEAVER COUNTY, PENNSYLVANIA

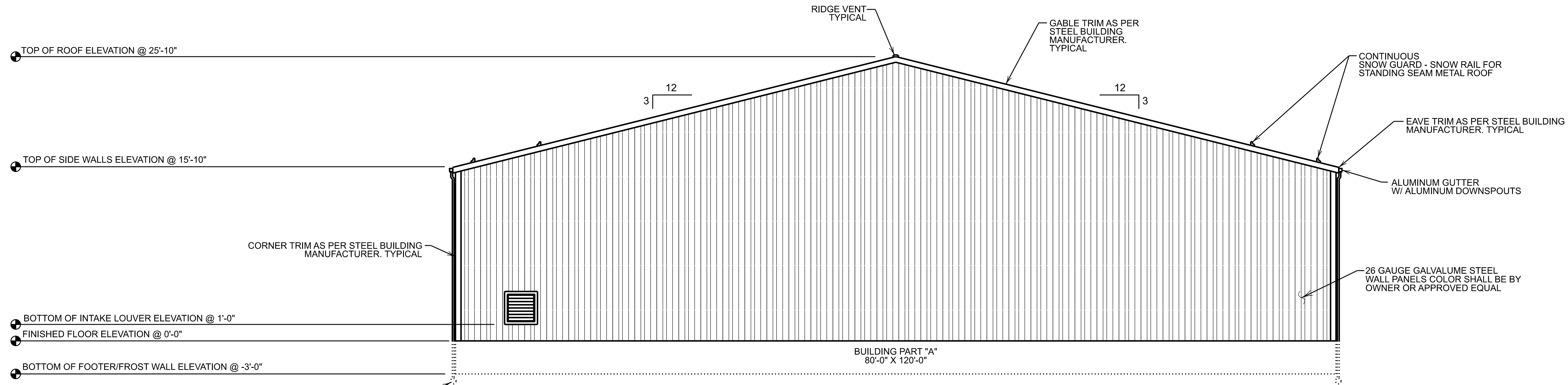
PROJECT #:	25659 / 25052
FIELD BOOK #:	
DRAWN:	VJE
CHECKED:	KLB
DATE:	FEBRUARY 2026
SCALE:	AS NOTED
SHEET NUMBER	2 OF 19



FRONT ELEVATION
SCALE: 3/16" = 1'-0"

NOTE:
CONTRACTOR SHALL PROVIDE AND INSTALL ANY NECESSARY ROOFING COMPONENTS FOR THE COMPLETE INSTALLATION OF THE METAL SHINGLE ROOF. TYPICAL

CONTRACTOR SHALL CONNECT DOWNSPOUTS TO STORM WATER PIPING. SEE SITE PLAN FOR CONTINUATION. TYPICAL.



RIGHT SIDE ELEVATION
SCALE: 3/16" = 1'-0"

GENERAL NOTES:

1. ALL COLORS SHALL BE BY OWNER.
2. GARAGE DOORS SHALL BE THERMACORE INSULATED DOORS, SERIES 591, AS MANUFACTURED/SUPPLIED BY THE OVERHEAD DOOR CO. OF PITTSBURGH AND AS SPECIFIED BELOW.

SIZES: 14' - 0" (W) X 14' - 0" (H); QUANTITY = 6
 COLOR: EXTERIOR (BY OWNER); INTERIOR (BY OWNER)
 PANEL THICKNESS: 1" (EXTERIOR STEEL THICKNESS = 016")
 INSULATION: RIGID FOAMED-IN-PLACE; R-VALUE = 14.86
 OPERATOR: MODEL SEL + PLUS (SIDE MOUNT); 3/4 HP, 115 V, SINGLE PHASE
 TRACK: 2" STANDARD WITH SUPPORT ANGLES AS REQUIRED.

- REQUIRED OPTIONS:**
- PUSH-BUTTON CONTROL STATION
 - RADIO RECEIVER WITH 3 CHANNEL TRANSMITTER
 - PNEUMATIC BOTTOM SENSING EDGE
 - THERMAL GLAZING (3 PER DOOR)
 - FLEXIBLE VINYL JAMB SEAL

GENERAL CONTRACTOR SHALL SUPPLY 2" X 12" LUMBER FRAMING OR AS REQUIRED AROUND EACH DOOR OPENING FOR MOUNTING DOOR TRACK, ETC.

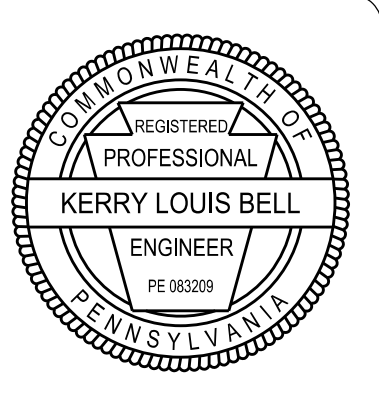
NOTES:

- 1.) ALL WORK SHALL COMPLY WITH THE 2018 INTERNATIONAL BUILDING CODE

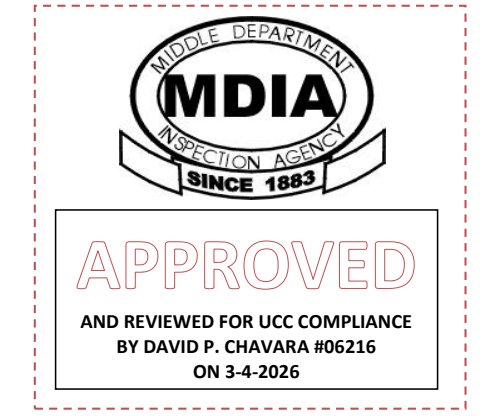
NOTES:

1. Install standing seam roof on structure. Contractor must use American Made Steel.
2. Non-penetrating Snow guards to be installed on all downward sloping roof faces with gutter.
3. All roof penetrations to be performed in accordance with the manufacturer's specifications.
4. To ensure uniformity, all metal for gutters, downspouts, fascia, trim, and any other accessory item to be sourced from same manufacturer as metal roof panel system.

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 PHONE: 724-847-1696

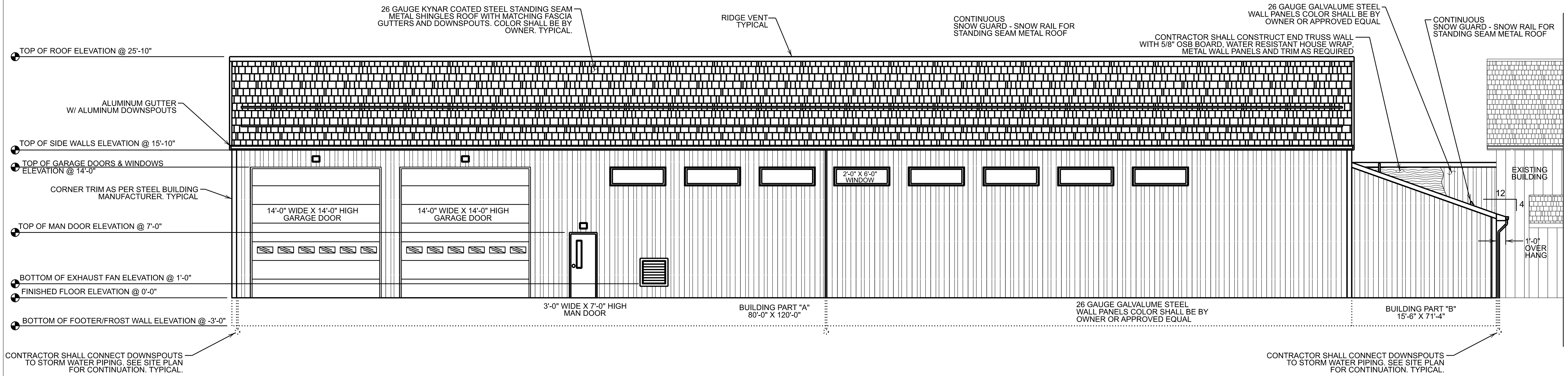


REVISIONS	DATE	BY	CHK



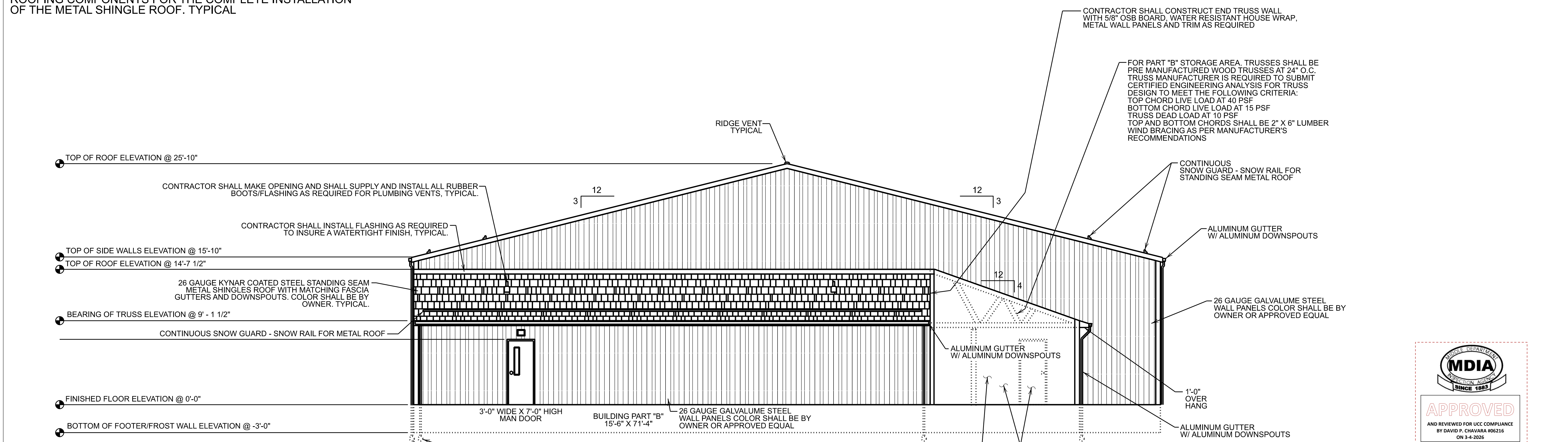
BUILDING ELEVATIONS FRONT & RIGHT SIDE
BEAVER COUNTY EMERGENCY SERVICES
PROPOSED BUILDING ADDITION
 BEAVER COUNTY, PENNSYLVANIA

PROJECT #:	25659 / 25052
FIELD BOOK #:	
DRAWN:	VJE
CHECKED:	KLB
DATE:	FEBRUARY 2026
SCALE:	AS NOTED
SHEET NUMBER	3 OF 19



REAR ELEVATION
SCALE: 3/16" = 1'-0"

NOTE:
CONTRACTOR SHALL PROVIDE AND INSTALL ANY NECESSARY ROOFING COMPONENTS FOR THE COMPLETE INSTALLATION OF THE METAL SHINGLE ROOF. TYPICAL

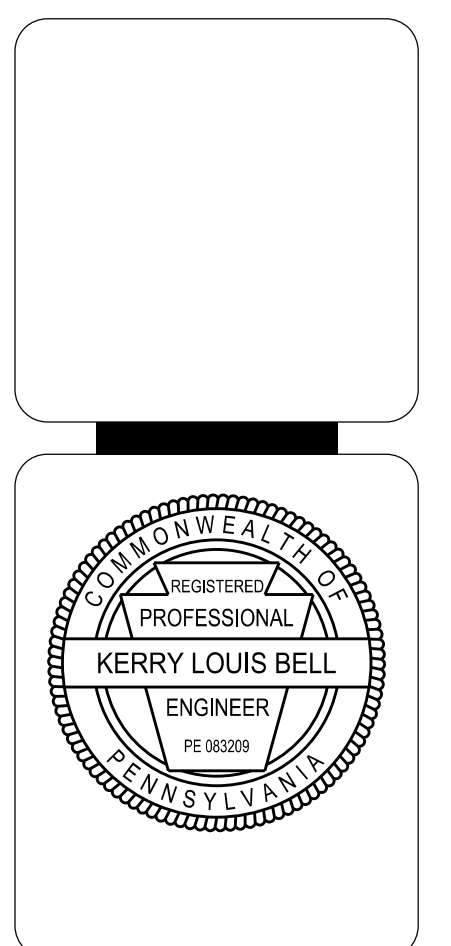
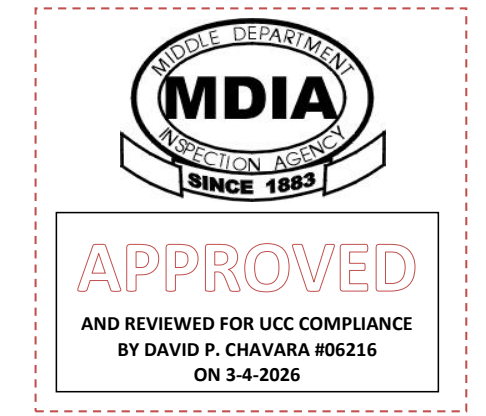


LEFT SIDE ELEVATION
SCALE: 3/16" = 1'-0"

GENERAL NOTES:
1. ALL COLORS SHALL BE BY OWNER.
2. GARAGE DOORS SHALL BE THERMACORE INSULATED DOORS, SERIES 591, AS MANUFACTURED/SUPPLIED BY THE OVERHEAD DOOR CO. OF PITTSBURGH AND AS SPECIFIED BELOW.
SIZES: 14' - 0" (W) X 14' - 0" (H); QUANTITY = 6
COLOR: EXTERIOR (BY OWNER), INTERIOR (BY OWNER)
PANEL THICKNESS: 1 1/4" (EXTERIOR STEEL THICKNESS = .016")
INSULATION: RIGID FOAMED-IN-PLACE, R-VALUE = 14.86
OPERATOR: MODEL SEL + PLUS (SIDE MOUNT), 3/4 HP, 115 V, SINGLE PHASE
TRACK: 2" STANDARD WITH SUPPORT ANGLES AS REQUIRED.
REQUIRED OPTIONS:
- PUSH-BUTTON CONTROL STATION
- RADIO RECEIVER WITH 3 CHANNEL TRANSMITTER
- PNEUMATIC BOTTOM SENSING EDGE
- THERMAL GLAZING (3 PER DOOR)
- FLEXIBLE VINYL JAMB SEAL
GENERAL CONTRACTOR SHALL SUPPLY 2" X 12" LUMBER FRAMING OR AS REQUIRED AROUND EACH DOOR OPENING FOR MOUNTING DOOR TRACK, ETC.

NOTES:
1.) ALL WORK SHALL COMPLY WITH THE 2018 INTERNATIONAL BUILDING CODE

NOTES:
1. Install standing seam roof on structure. Contractor must use American Made Steel.
2. Non-penetrating Snow guards to be installed on all downward sloping roof faces with gutter.
3. All roof penetrations to be performed in accordance with the manufacturer's specifications.
4. To ensure uniformly, all metal for gutters, downspouts, fascia, trim, and any other accessory item to be sourced from same manufacturer as metal roof panel system.

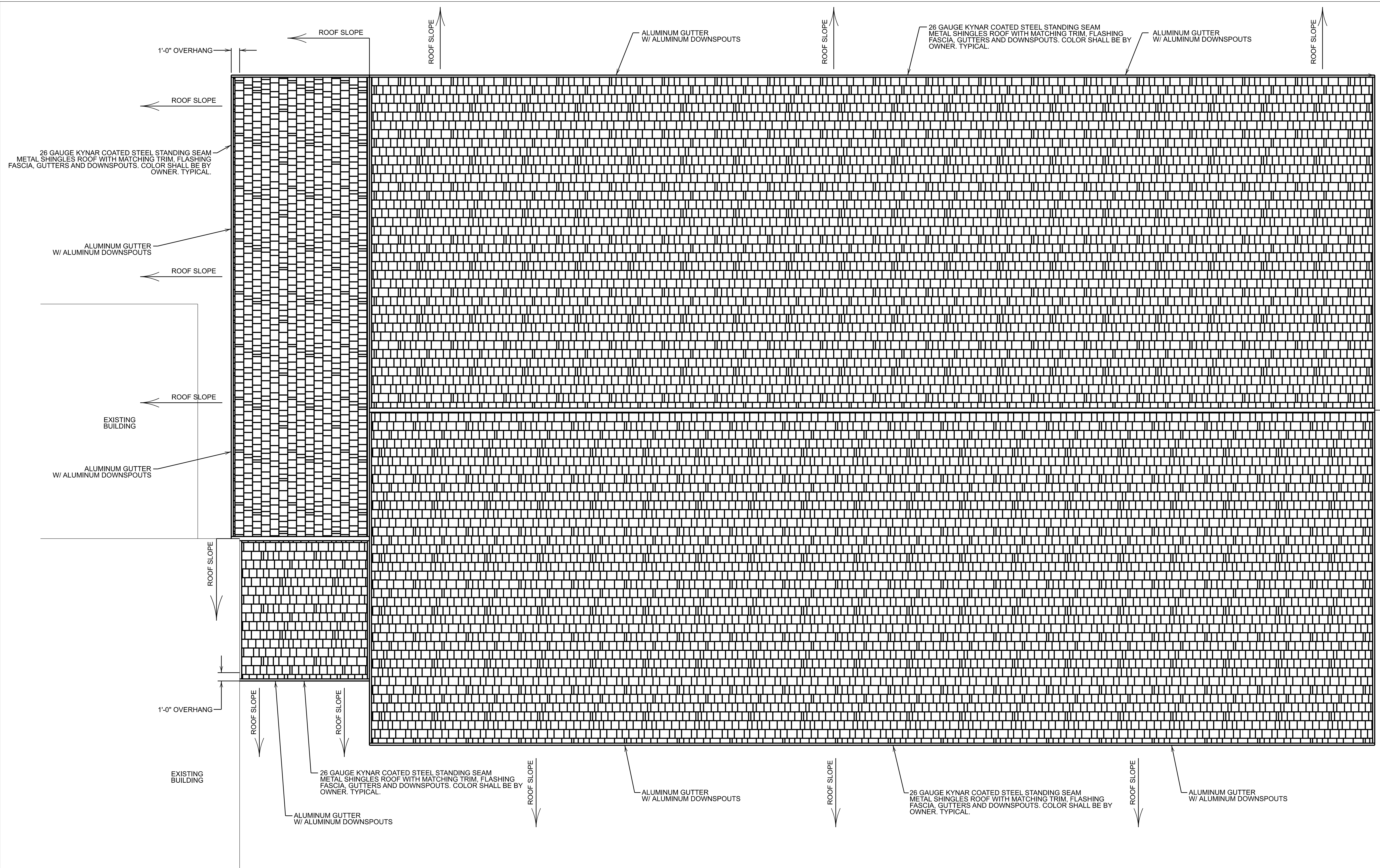


REVISIONS	TYPE	DATE	BY

PREPARED BY:
WIDMER ENGINEERING
806 LINCOLN PLACE, BEAVER FALLS, PA 15010

BUILDING ELEVATIONS REAR & LEFT SIDE
BEAVER COUNTY EMERGENCY SERVICES
PROPOSED BUILDING ADDITION
SITUATE IN:
BEAVER COUNTY, PENNSYLVANIA

PROJECT #:	25659 / 25052
FIELD BOOK #:	
DRAWN:	VJE
CHECKED:	KLB
DATE:	FEBRUARY 2026
SCALE:	AS NOTED



26 GAUGE KYNAR COATED STEEL STANDING SEAM METAL SHINGLES ROOF WITH MATCHING TRIM, FLASHING FASCIA, GUTTERS AND DOWNSPOUTS. COLOR SHALL BE BY OWNER. TYPICAL.

ALUMINUM GUTTER W/ ALUMINUM DOWNSPOUTS

ALUMINUM GUTTER W/ ALUMINUM DOWNSPOUTS

ALUMINUM GUTTER W/ ALUMINUM DOWNSPOUTS

26 GAUGE KYNAR COATED STEEL STANDING SEAM METAL SHINGLES ROOF WITH MATCHING TRIM, FLASHING FASCIA, GUTTERS AND DOWNSPOUTS. COLOR SHALL BE BY OWNER. TYPICAL.

ALUMINUM GUTTER W/ ALUMINUM DOWNSPOUTS

26 GAUGE KYNAR COATED STEEL STANDING SEAM METAL SHINGLES ROOF WITH MATCHING TRIM, FLASHING FASCIA, GUTTERS AND DOWNSPOUTS. COLOR SHALL BE BY OWNER. TYPICAL.

ALUMINUM GUTTER W/ ALUMINUM DOWNSPOUTS

26 GAUGE KYNAR COATED STEEL STANDING SEAM METAL SHINGLES ROOF WITH MATCHING TRIM, FLASHING FASCIA, GUTTERS AND DOWNSPOUTS. COLOR SHALL BE BY OWNER. TYPICAL.

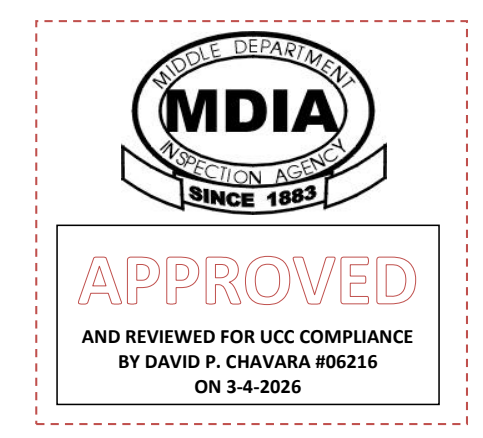
ALUMINUM GUTTER W/ ALUMINUM DOWNSPOUTS

NOTE:
CONTRACTOR SHALL PROVIDE AND INSTALL ANY NECESSARY ROOFING COMPONENTS FOR THE COMPLETE INSTALLATION OF THE METAL SHINGLE ROOF. TYPICAL

NOTES:

- 1.) ALL WORK SHALL COMPLY WITH THE 2018 INTERNATIONAL BUILDING CODE

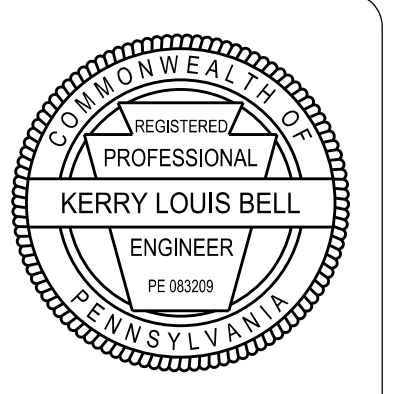
ROOF PLAN
SCALE: 3/16" = 1'-0"



NOTES:

1. Install standing seam roof on structure. Contractor must use American Made Steel.
2. Non-penetrating Snow guards to be installed on all downward sloping roof faces with gutter.
3. All roof penetrations to be performed in accordance with the manufacturer's specifications.
4. To ensure uniformity, all metal for gutters, downspouts, fascia, trim, and any other accessory item to be sourced from same manufacturer as metal roof panel system.

CONTACT PERSON:
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806 LINCOLN PLACE,
BEAVER FALLS, PA 15010
PHONE: 724-847-1636

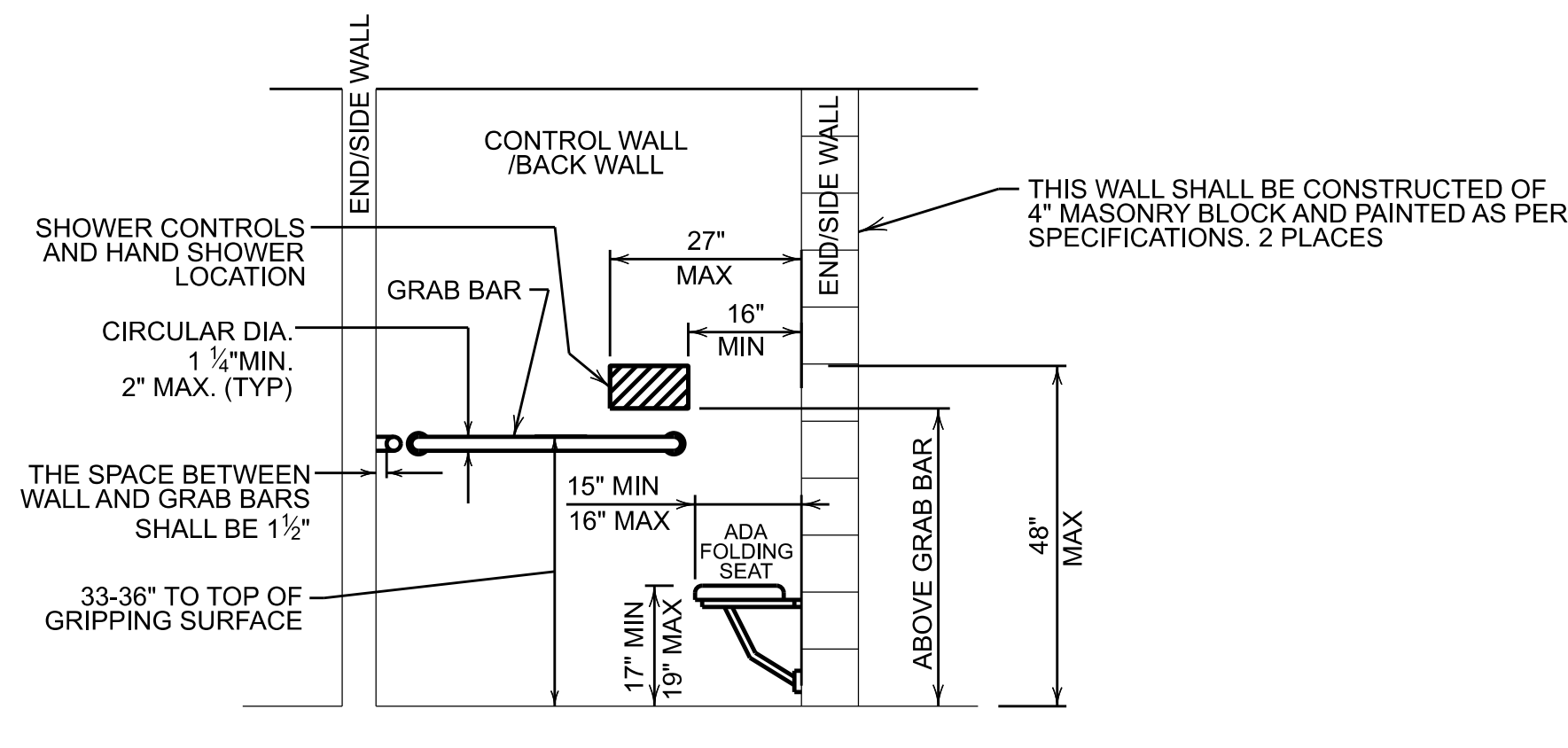
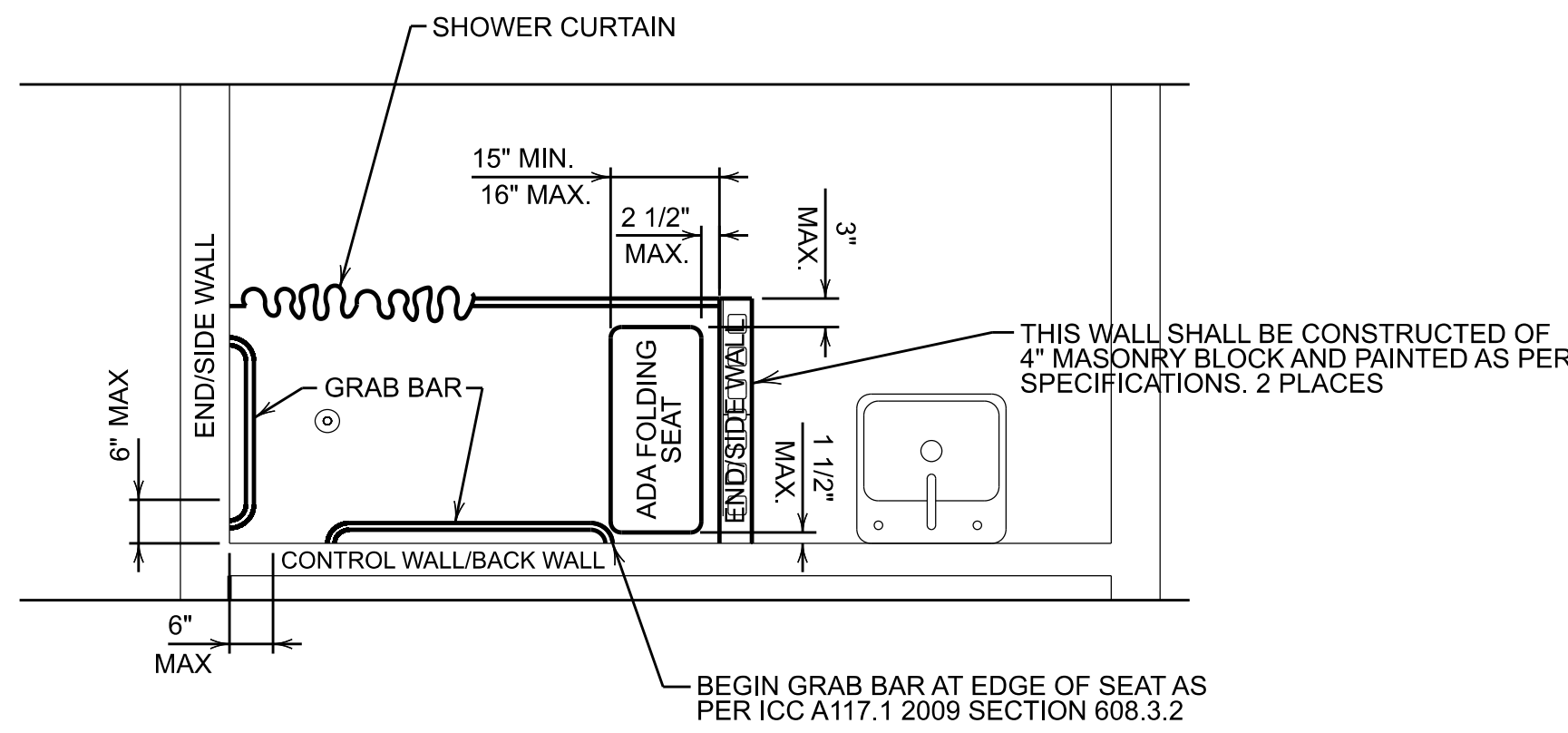


REVISIONS	DATE	TYPE	BY	CHK

WIDMER ENGINEERING, INC.
806 LINCOLN PLACE, BEAVER FALLS, PA 15010

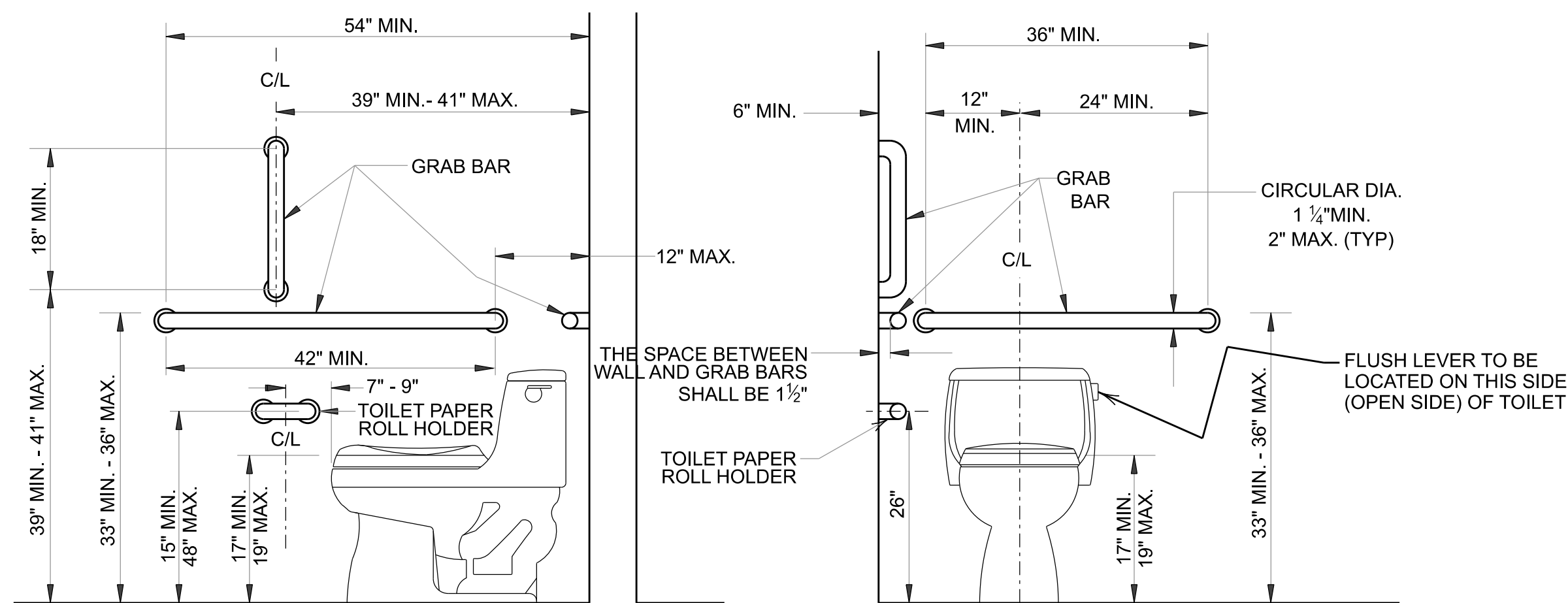
ROOF PLAN
BEAVER COUNTY EMERGENCY SERVICES
PROPOSED BUILDING ADDITION
SITUATE IN:
BEAVER COUNTY, PENNSYLVANIA

PROJECT #:	25659 / 25052
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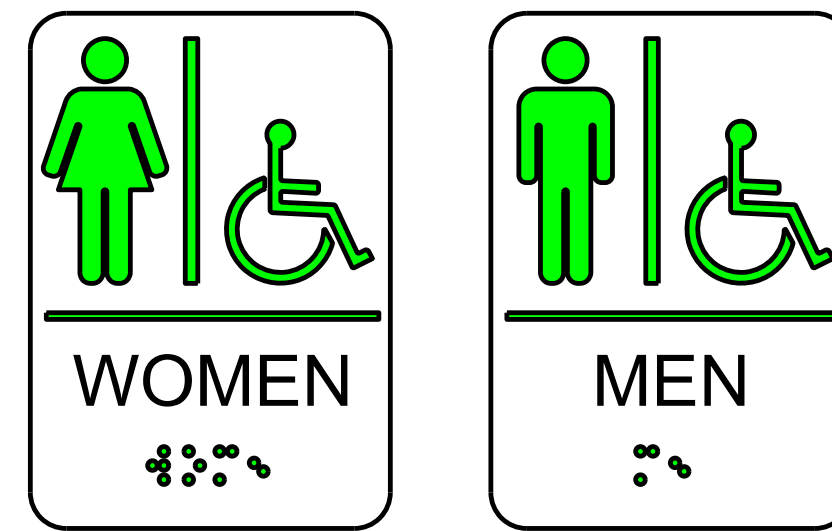
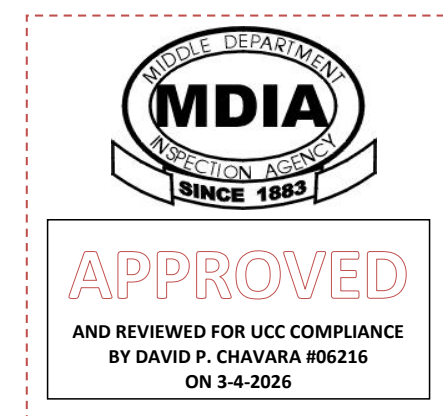


NOTES:
 1.) ROLL IN SHOWERS SHALL COMPLY WITH ICC A117.1 2009 SECTIONS 608, 609 AND 610

ADA STANDARD ROLL IN SHOWER DETAILS AND NOTES
 SCALE: NONE

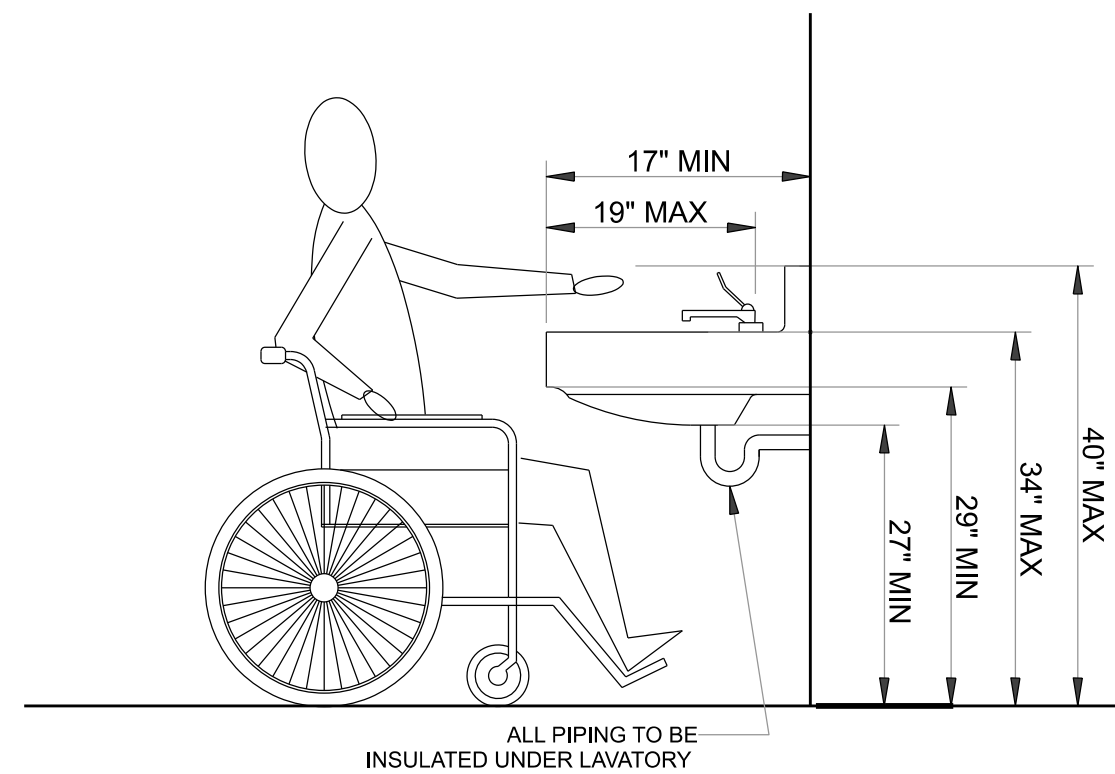


ADA TOILET WITH GRABBARS DETAILS
 SCALE: NTS

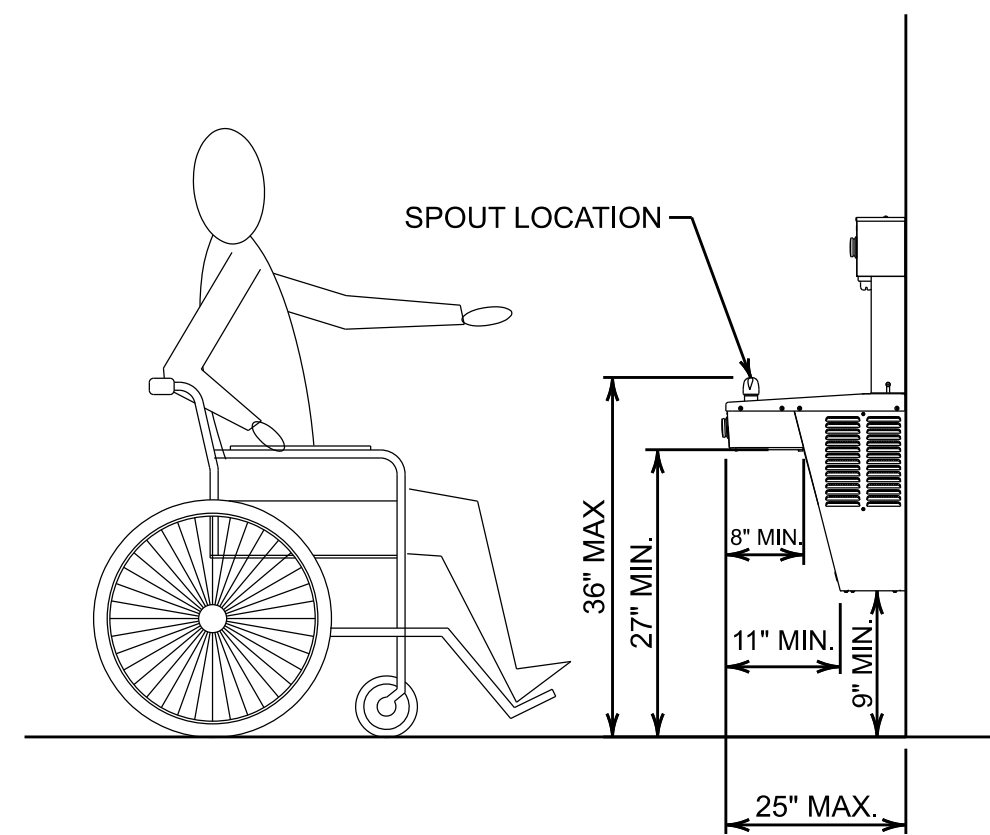


NOTE: BOTTOM OF SIGN TO BE LOCATED 48\"/>

RESTROOM SIGNS
 SCALE: NONE



ADA LAVATORY DETAIL
 SCALE: NOT TO SCALE

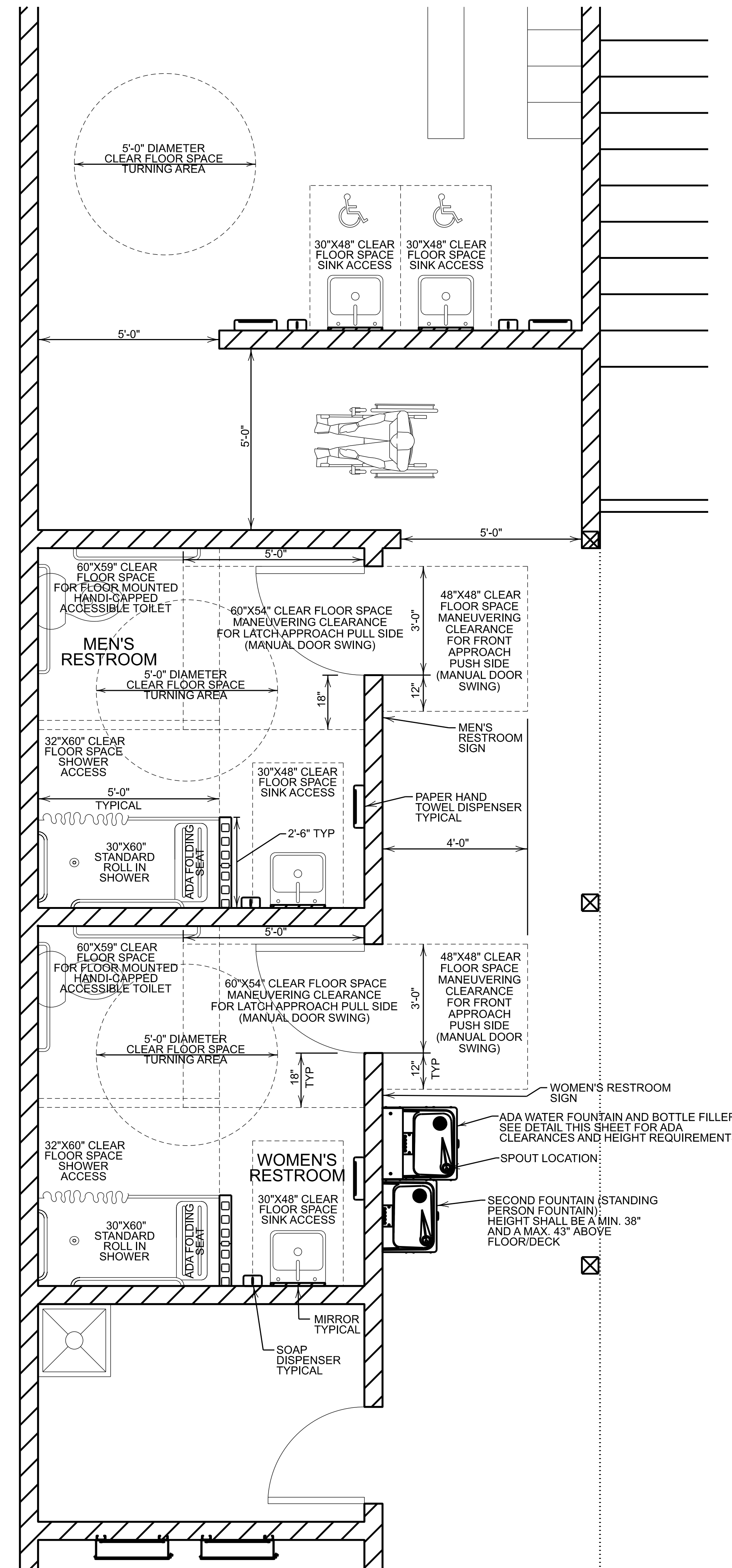


ADA WATER FOUNTAIN/BOTTLE FILLER DETAIL
 SCALE: NOT TO SCALE

- NOTES:
- 1.) GRAB BARS FOR WATER CLOSETS SHALL COMPLY WITH ICC A-117.1-2009 SECTIONS 604.5 AND 609
 - 2.) LAVATORIES/SINKS SHALL COMPLY WITH ICC A-117.1-2009 SECTION 606
 - 3.) TOILET PAPER DISPENSERS SHALL BE 1\"/>
 - 4.) WATER SUPPLY AND DRAINS PIPES UNDER LAVATORIES AND SINKS SHALL BE INSULATED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES OR SINKS.
 - 5.) ALL FIXTURES SHALL HAVE SHUT OFF VALVES LOCATED ON BOTH THE HOT AND COLD SUPPLY LINES.
 - 6.) CLEARANCE FOR SINK AREA SHALL BE 30\"/>
 - 7.) CLEARANCE FOR TOILETS SHALL BE 60\"/>
 - 8.) CLEARANCE FOR WATER CLOSET DOOR IS 18\"/>
 - 9.) MINIMUM 5'-0\"/>
 - 10.) MEN'S AND WOMEN'S ADA RESTROOMS SHALL HAVE HANDICAPPED SIGNS MEETING ICC A117.1 2009 SECTION 703
 - 11.) MIRROR SHALL BE LOCATED ABOVE LAVATORIES. THE MIRROR SHALL BE INSTALLED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 40\"/>
 - 12.) OPERABLE PARTS OF PAPER TOWEL AND SOAP DISPENSER SHALL BE MOUNTED 44\"/>
 - 13.) TRASH CAN MAX HEIGHT SHALL BE 44\"/>
 - 14.) BENCHES SHALL COMPLY WITH ICC A117.1 2009 SECTION 903
 - 15.) ROLL IN SHOWERS SHALL COMPLY WITH ICC A117.1 2009 SECTIONS 608, 609 AND 610

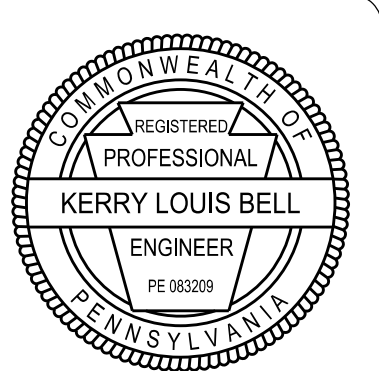
CODE COMPLIANCE NOTES:

1. RESTROOMS COMPLY WITH ICC/ANSI A117.1-2009.
2. PLUMBING COMPLIES WITH 2018 INTERNATIONAL PLUMBING CODE.



ADA RESTROOMS PLAN
 SCALE: 1/2" = 1'-0"

CONTACT PERSON:
 TONY F. SADAKA P.E.
 WIDMER ENGINEERING, INC.
 806 LINCOLN PLACE
 BEAVER FALLS, PA 15010
 PHONE: 724-847-1696



REVISIONS	DATE	BY	CHK	TYPE



ADA CLEARANCES
 BEAVER COUNTY EMERGENCY SERVICES
 PROPOSED BUILDING ADDITION
 BEAVER COUNTY, PENNSYLVANIA

PROJECT #:	25659 / 25052
FIELD BOOK #:	
DRAWN:	VJE
CHECKED:	KLB
DATE:	FEBRUARY 2026
SCALE:	AS NOTED

SYMBOL LEGEND	
	POTABLE COLD WATER LINE (PVC PEX, UNLESS NOTED OTHERWISE)
	POTABLE HOT WATER LINE (PVC PEX, UNLESS NOTED OTHERWISE)
	PROPANE GAS LINE (BLACK IRON SCH 40 PIPE, UNLESS NOTED OTHERWISE)
	COMPRESSED AIR LINE (BLACK IRON SCH 40 PIPE, UNLESS NOTED OTHERWISE)
	GATE VALVE, BALL VALVE, ETC. (REQUIRED ON ALL BRANCH LINES)
	COMBINATION BACK FLOW PREVENTER & PRESSURE REGULATOR
	1-AIR LINE CONNECTION POINT CONSISTING OF A BRASS 1/4" NTP FEMALE INDUSTRIAL COUPLER WITH 1-90° BEND & 1-45° BEND, TYPICAL
	TANKLESS PROPANE HOT WATER HEATER AS MANUFACTURED BY RHEEM MODEL # RTGH-84DVP-3 RTGH 8.4 GPM OR APPROVED EQUAL
	FLOOR DRAIN W/ TRAP ZURN MODEL #ZB-520 AND INLINE FLOOR DRAIN TRAP SEALER AS MANUFACTURED BY SURE-SEAL MAUFACTURING MODEL SS4009
	CLEANOUT

TABLE 709.1 & 709.2 - DRAINAGE FIXTURE UNITS FOR FIXTURES AND GROUPS INTERNATIONAL PLUMBING CODE 2018		
FIXTURE TYPE	DRAINAGE FIXTURE UNIT VALUE AS LOAD FACTORS	MINIMUM SIZE OF TRAP (INCHES)
FLOOR DRAINS h	2h	2"
KITCHEN SINK	2	1 1/2"
LAVATORY	1	1 1/4"
SHOWER 5.7 GPM OR LESS	2	1 1/2"
SERVICE SINK	2	1 1/2"
WATER CLOSET, PUBLIC (1.6 GPF)	4e	Note d

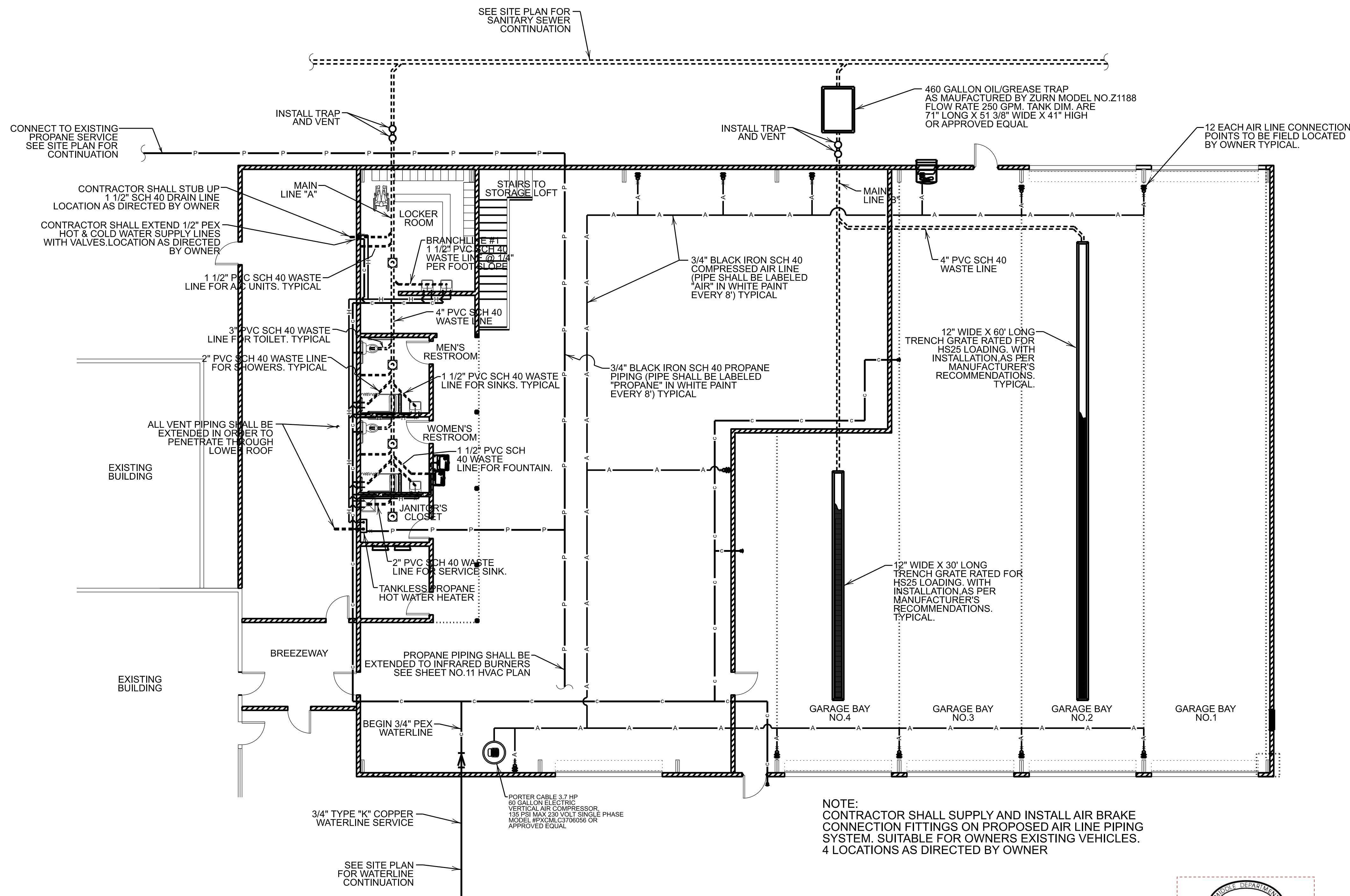
TABLE 710.1 (1) - BUILDING DRAINS AND SEWERS INTERNATIONAL PLUMBING CODE 2018				
DIAMETER OF PIPE (INCHES)	MAXIMUM NUMBER OF DRAINAGE FIXTURE UNITS CONNECTED TO ANY PORTION OF THE BUILDING DRAIN OR THE BUILDING SEWER, INCLUDING BRANCHES OF THE BUILDING DRAIN a			
	SLOPE PER FOOT			
	1/16 INCH	1/8 INCH	1/4 INCH	1/2 INCH
1 1/4	-	-	1	1
1 1/2	-	-	3	3
2	-	-	21	26
2 1/2	-	-	24	31
3	-	36	42	50
4	-	180	216	250

FOR SI: 1 INCH = 25.4 MM, 1 INCH PER FOOT = 83.3 MM/M
a. THE MINIMUM SIZE OF ANY BUILDING DRAIN SERVING A WATER CLOSET SHALL BE 3 INCHES

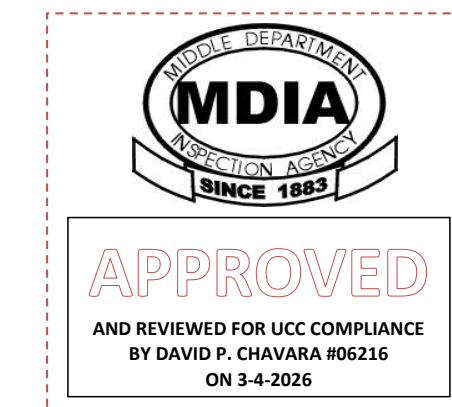
TABLE 710.1 (2) HORIZONTAL FIXTURE BRANCHES AND STACKS a INTERNATIONAL PLUMBING CODE 2018				
DIAMETER OF PIPE (INCHES)	MAXIMUM NUMBER OF DRAINAGE FIXTURE UNITS (DFU)			
	TOTAL FOR HORIZONTAL BRANCH	STACKS b		
		TOTAL DISCHARGE INTO ONE BRANCH INTERVAL	TOTAL FOR STACK OF THREE BRANCH INTERVALS OR LESS	TOTAL FOR STACK GREATER THAN THREE BRANCH INTERVALS
1 1/2	3	2	4	8
2	6	6	10	24
2 1/2	12	9	20	42
3	20	20	48	72
4	160	90	240	500

FOR SI: 1 INCH = 25.4 MM,
a. DOES NOT INCLUDE BRANCHES OF THE BUILDING DRAIN. REFER TO TABLE 710.1 (1)
b. STACKS SHALL BE SIZED BASED ON THE TOTAL ACCUMULATED CONNECTED LOAD AT EACH STORY OR BRANCH INTERVAL. AS THE TOTAL ACCUMULATED CONNECTED LOAD DECREASES, STACKS ARE PERMITTED TO BE REDUCED IN SIZE. STACK DIAMETERS SHALL NOT BE REDUCED TO LESS THAN ONE-HALF OF THE DIAMETER OF THE LARGEST STACK SIZE REQUIRED.
c. SIZING LOAD BASED ON DESIGN CRITERIA.

DRAIN LINE SIZING CHART								
MAIN LINE "A" FIXTURE	WATER CLOSET (2 EA.)	LAVATORY (2 EA.)	FLOOR DRAIN (1 EA.)	SHOWER (2 EA.)	FUTURE SINK (1 EA.)	SERVICE SINK (1 EA.)	FOUNTAIN (1 EA.)	TOTAL MAINLINE "A"
TRAP SIZE	3" OR SIZE ON FIXTURE	1 1/4"	2"	2"	1 1/2"	1 1/2"	1 1/2"	-
FIXTURE UNIT VALUE	4	1	4	2	2	2	2	-
SUM OF FIXTURE UNITS MAINLINE A	2 EA. X 4 = 8	2 EA. X 1 = 2	4 EA. X 4 = 16	2 EA. X 2 = 4	1 EA. X 2 = 2	1 EA. X 2 = 2	1 EA. X 2 = 2	36
BRANCHLINE MINIMUM SIZE	3"	1 1/4"	2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	3"
BRANCH #1 FIXTURE		LAVATORY (2 EA.)						TOTAL BRANCH #1
TRAP SIZE		1 1/4"						-
FIXTURE UNIT VALUE		1						-
SUM OF FIXTURE UNITS BRANCH #1		2 EA. X 1 = 2						2
BRANCHLINE MINIMUM SIZE		1 1/4"						3"
MAIN LINE "B" FIXTURE							TRENCH (2 EA.)	TOTAL MAINLINE "B"
TRAP SIZE							4"	-
FIXTURE UNIT VALUE							6	-
SUM OF FIXTURE UNITS MAINLINE B							2 EA. X 6 = 12	12
BRANCHLINE MINIMUM SIZE							3"	3"
MAINLINE MINIMUM SIZE	TOTAL DFU'S MAINLINE "A" AND BRANCH #1 = 38				TOTAL DFU'S MAINLINE "B" = 12			
	MINIMUM DIA. OF PIPE REQUIRED @ 1/8" PER FOOT = 3 INCHES				MINIMUM DIA. OF PIPE REQUIRED @ 1/8" PER FOOT = 3 INCHES			
	DIA. OF MAINLINE PIPE PROVIDED IS 4 INCHES				DIA. OF MAINLINE PIPE PROVIDED IS 4 INCHES			



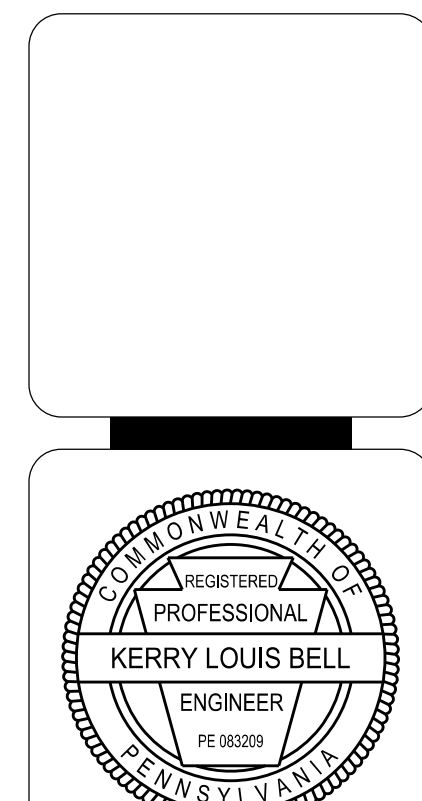
PLUMBING PLAN
SCALE: 1/8" = 1'-0"



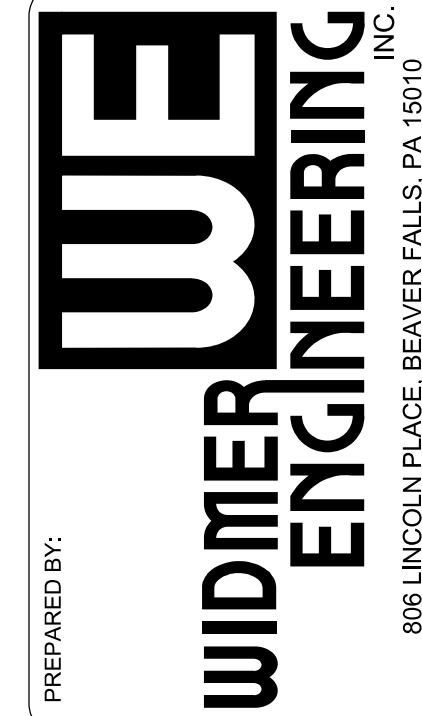
- NOTES:
- 1.) ALL FIXTURES TO BE VENTED AS PER 2018 INTERNATIONAL PLUMBING CODE
 - 2.) SIZES OF WATER SUPPLY LINES SHALL BE AS FOLLOWS:
 - 1.) MAIN HOT & COLD SUPPLY LINES SHALL BE - 3/4"
 - 2.) TO TOILETS - 1/2"
 - 3.) TO SHOWERS - 3/4"
 - 4.) TO SERVICE SINK FAUCETS - 3/4"
 - 5.) TO SINK FAUCETS - 1/2"
 - 6.) TO HOSE BIBS - 3/4"
 - 7.) TO TANKLESS HOT WATER HEATER - 3/4"
 - 8.) TO KITCHEN SINK FAUCET - 1/2"
 - 9.) TO WATER FOUNTAIN - 1/2"
 - 3.) VENT PIPING STACKS SHALL RUN THRU PROPOSED WALLS WHERE POSSIBLE SINK VENTS STACKS SHALL BE RUN OUT SIDE OF ADA CLEAR SPACE AREAS EXPOSED STACKS SHALL BE PAINTED, COLOR BY OWNER. AT PENETRATIONS THROUGH ROOF RUBBER BOOTS/FLASHING SHALL BE PROVIDED TO INSURE A WATERTIGHT FINISH
 - 4.) TRAPS SHALL BE PROVIDED FOR ALL FLOOR DRAINS AND TRENCH DRAINS.
 - 5.) ALL PROPANE GAS LINES INSTALLED IN BUILDING SHALL BE BLACK IRON PIPE. PROPANE GAS LINE INSTALLED OUTSIDE BUILDING SHALL BE TYPE "K" COPPER ENCASED IN A 2" PVC SCH 40 CASING PIPE.
 - 6.) DIELECTRIC UNIONS SHALL BE SUPPLIED AND FURNISHED BY GENERAL CONTRACTOR AT ANY LOCATION WHERE DISSIMILAR METALS SHALL BE CONNECTED.
 - 7.) ALL GAS/PROPANE PIPING PER IMC AND NFPA

- CODE COMPLIANCE NOTES:
- 1.) RESTROOM COMPLIES WITH ICC/ANSI A117.1-2010
 - 2.) PLUMBING COMPLIES WITH 2018 INTERNATIONAL PLUMBING CODE
 - 3.) BUILDING COMPLIES WITH THE 2018 INTERNATIONAL BUILDING CODE

CONTACT PERSON:
TONY F. SADAKA P.E.
WIDMER ENGINEERING, INC.
806 LINCOLN PLACE,
BEAVER FALLS, PA 15010
PHONE: 724-847-1696

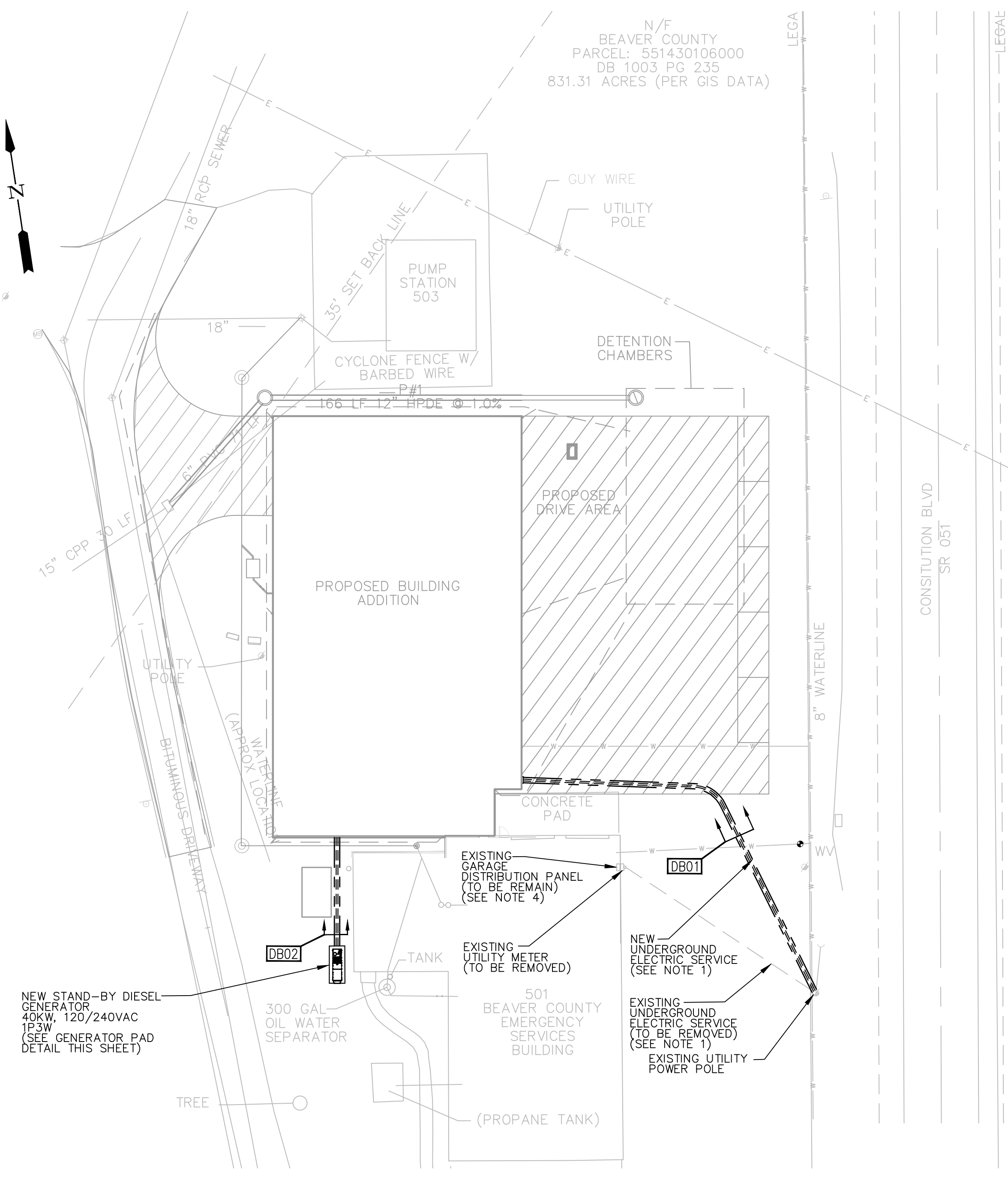


REVISIONS	DATE	BY	CHK

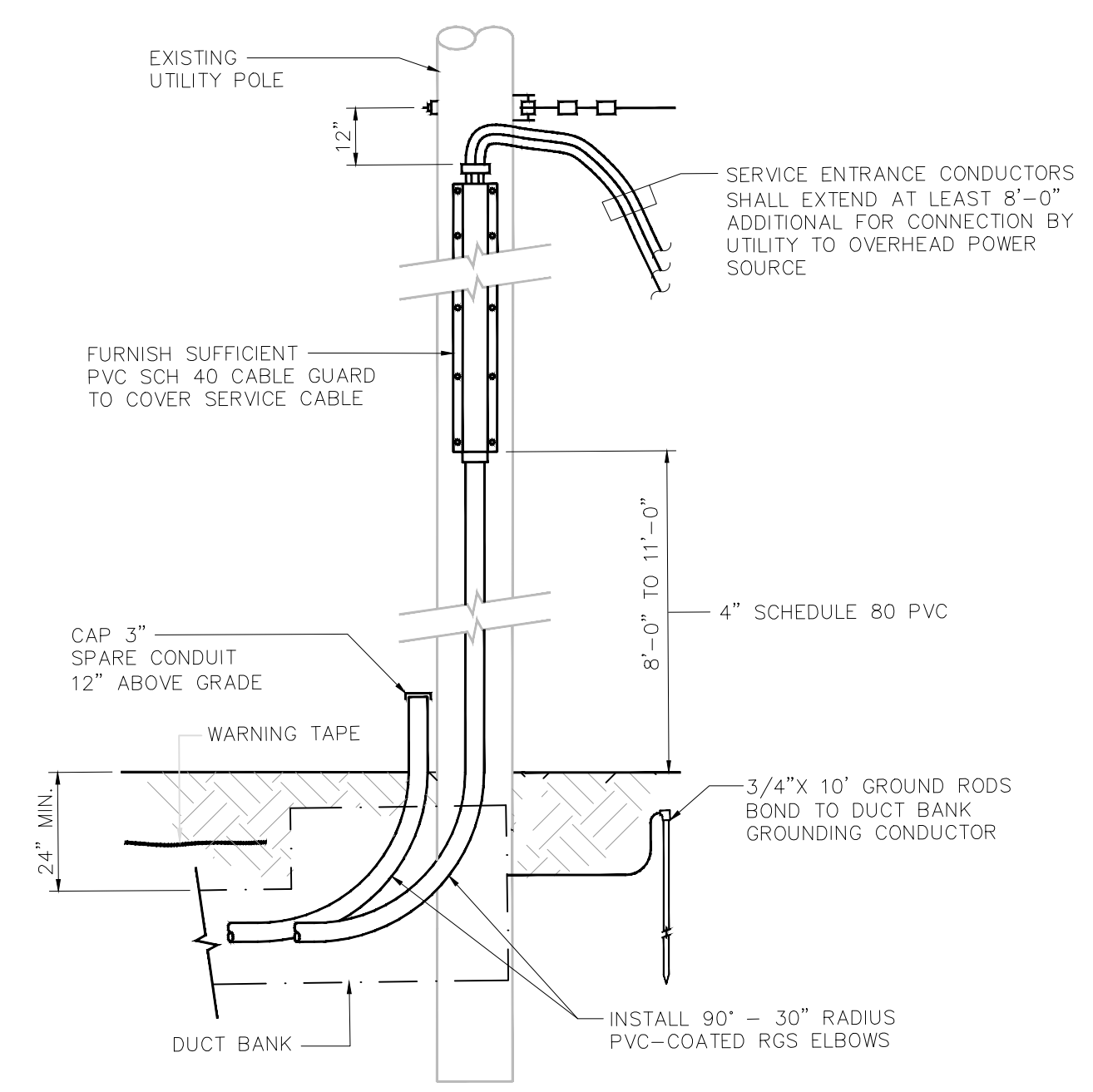


PLUMBING PLAN
BEAVER COUNTY EMERGENCY SERVICES
PROPOSED BUILDING ADDITION
SITING IN:
BEAVER COUNTY, PENNSYLVANIA

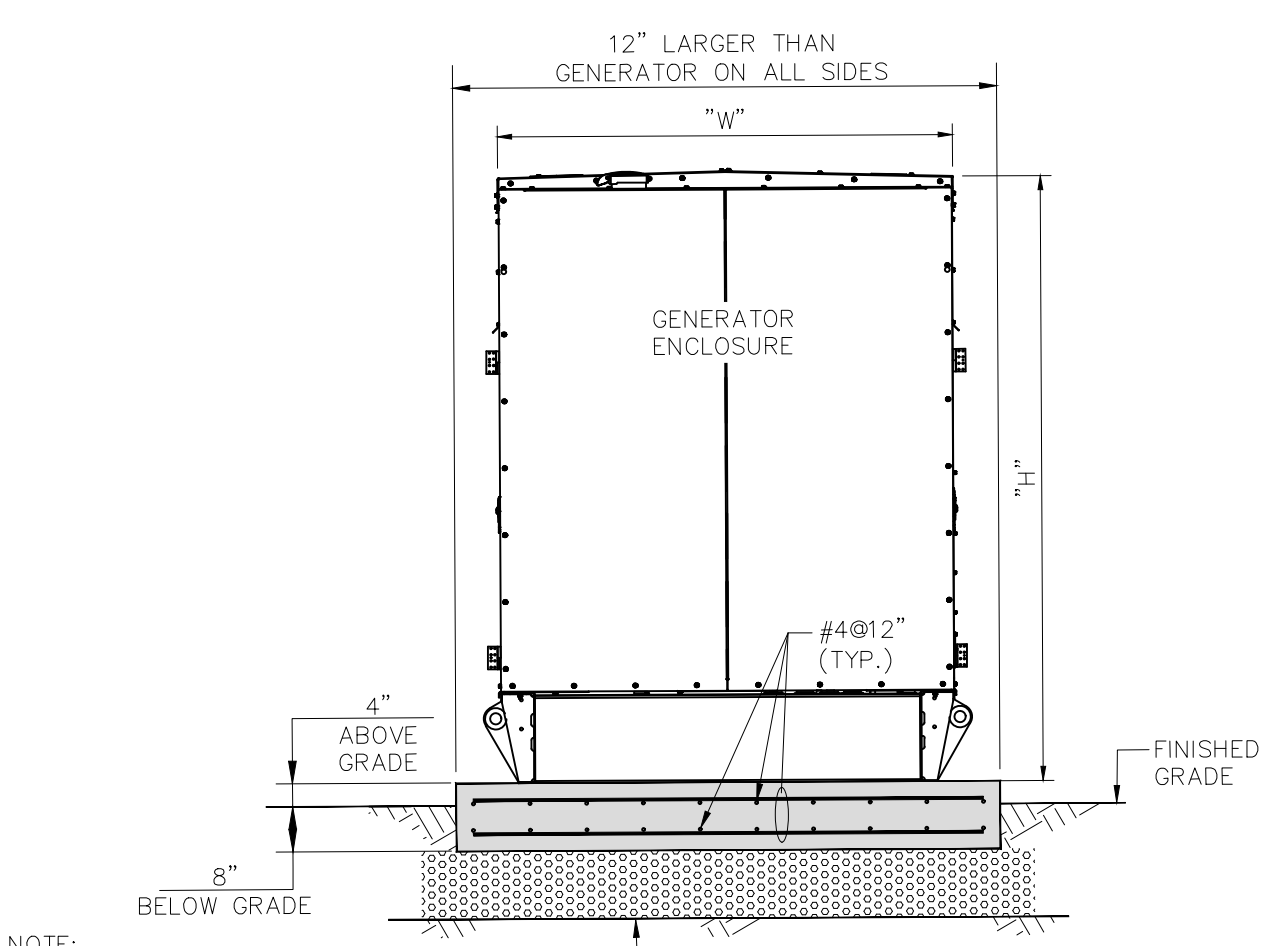
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FIELD BOOK #:	
DRAWN:	VJE
CHECKED:	KLB
DATE:	FEBRUARY 2026
SCALE:	AS NOTED



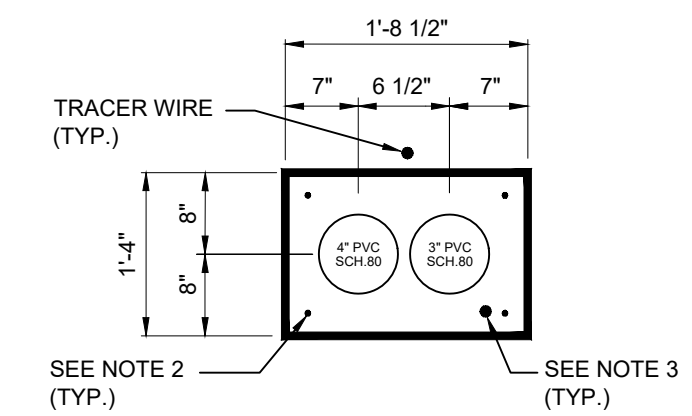
ELECTRICAL SITE PLAN
SCALE: 1" = 25'-0"



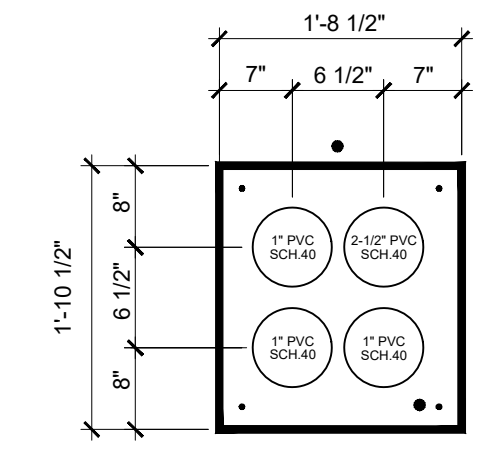
UTILITY POWER POLE DETAIL
SCALE: NONE



GENERATOR PAD DETAIL
SCALE: NONE

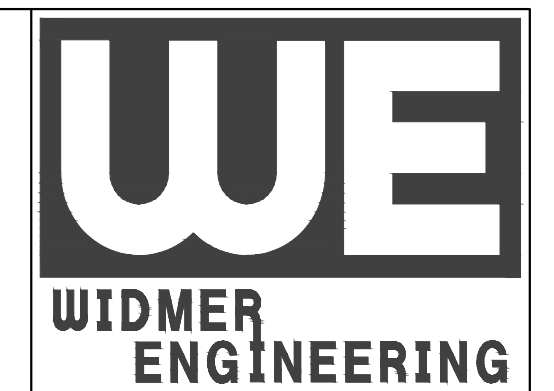


DUCT BANK (DB01) DETAIL
SCALE: NONE

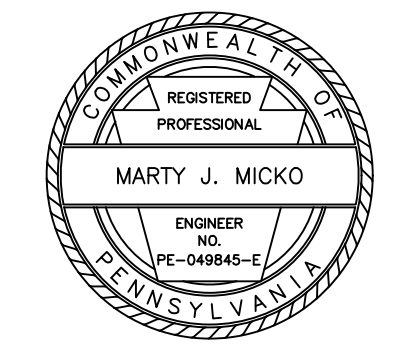


DUCT BANK (DB02) DETAIL
SCALE: NONE

- NOTES:**
- COORDINATE THE INSTALLATION OF THE NEW SERVICE CONDUCTORS WITH THE UTILITY. AFTER THE EXISTING SERVICE CONDUCTORS ARE REMOVED AND THE NEW SERVICE CONDUCTORS ARE PLACED INTO SERVICE, REMOVE THE EXISTING SERVICE CONDUCTORS AND CAP THE EXISTING SERVICE CONDUIT ON BOTH ENDS.
 - INSTALL #4 STEEL RE-BAR @ THE INTERVALS AND LOCATIONS NOTED IN THE SPECIFICATION. (TYP.)
 - 1/C #2AWG BARE STRANDED COPPER CABLE. (BOND TO GROUND BUS AT EACH END OF DUCT BANK RUN) (TYP.)
 - REPURPOSE THE EXISTING GARAGE DISTRIBUTION PANEL. REMOVE THE EXISTING UTILITY SERVICE CONDUCTORS AND ENSURE THE GROUNDED CONDUCTOR BUS (NEUTRAL) IS ISOLATED FROM THE GROUND BUS. CONNECT FEEDER CONDUCTORS FROM THE NEW MAIN DISTRIBUTION PANEL TO THE PANEL MAIN CIRCUIT BREAKER (SEE PROPOSED SINGLE LINE DIAGRAM ON SHEET 10.)



806 Lincoln Place
Beaver Falls, PA 15010
Phone: (724) 847-1696
Fax: (724) 847-0419
beaverfalls@widmerengineering.com
www.widmerengineering.com



**BEAVER COUNTY EMERGENCY SERVICES
PROPOSED BUILDING ADDITION**

PATTERSON TOWNSHIP
BEAVER COUNTY
PENNSYLVANIA

ELECTRICAL SITE PLAN AND DETAILS

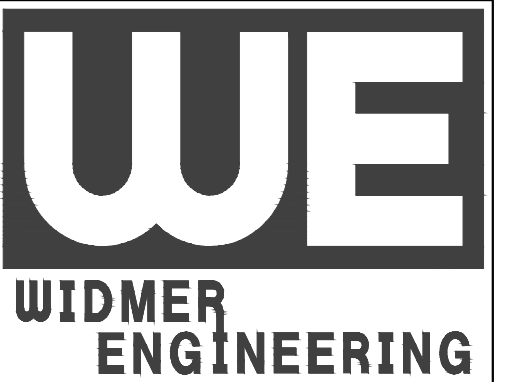
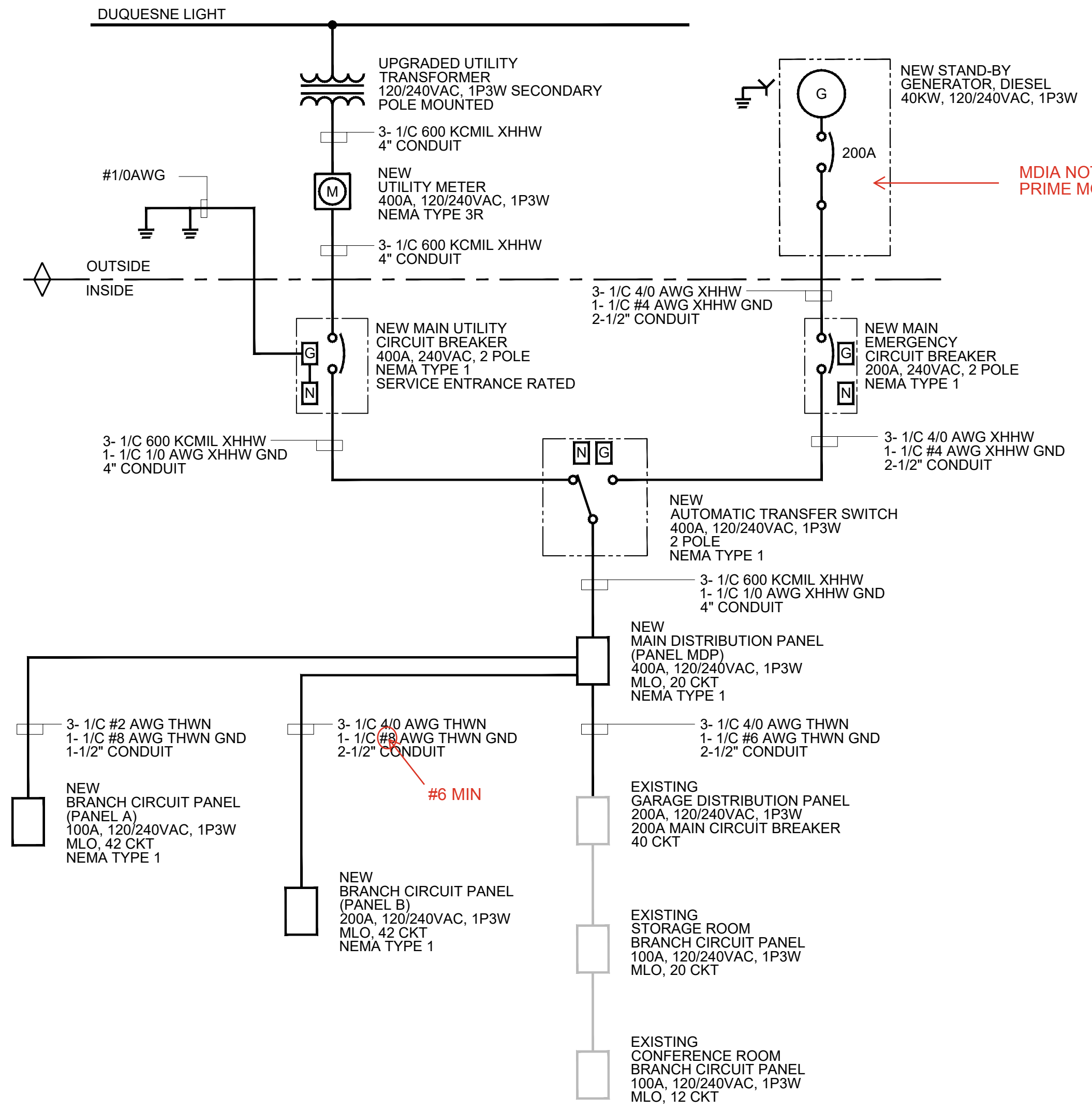
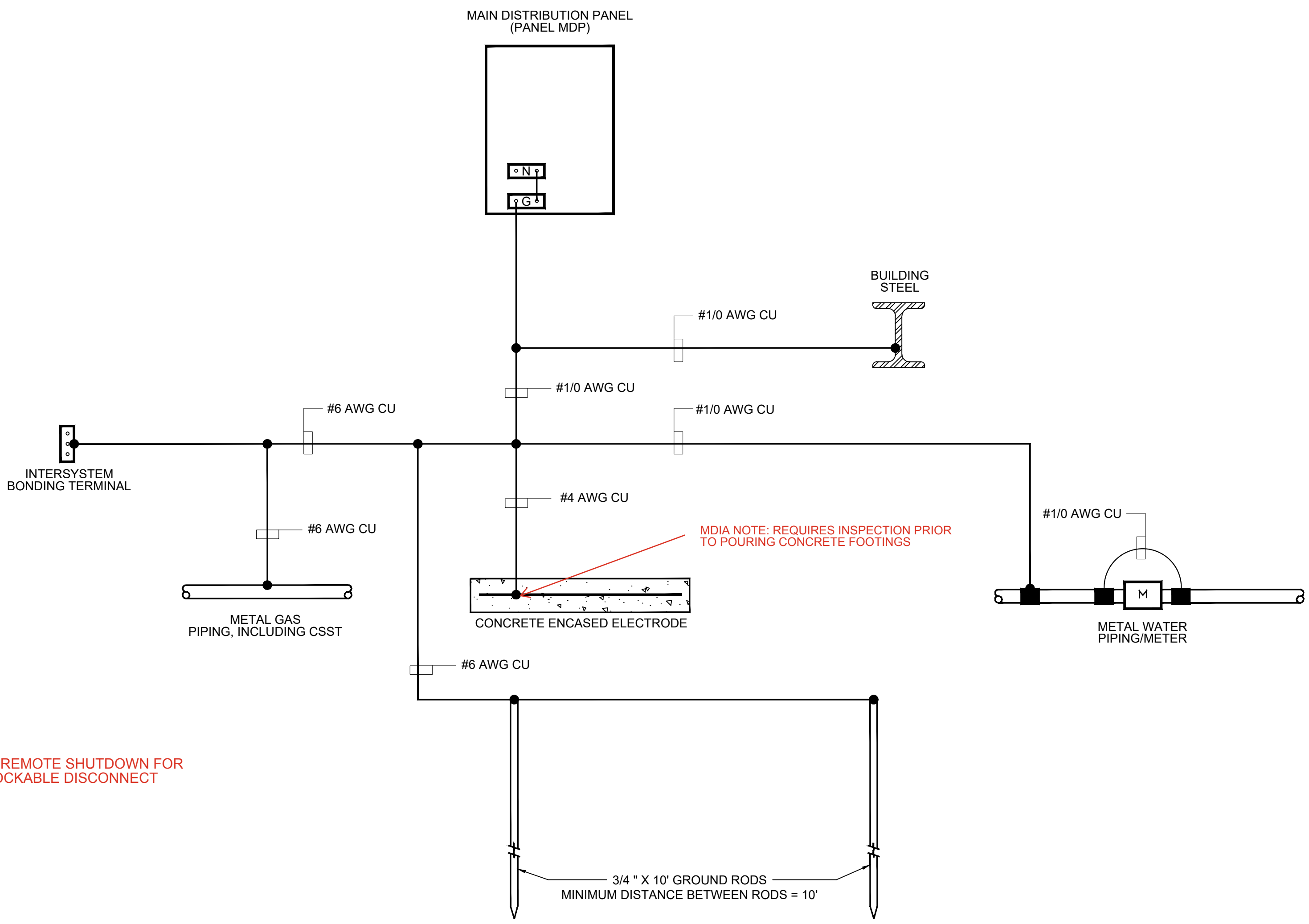
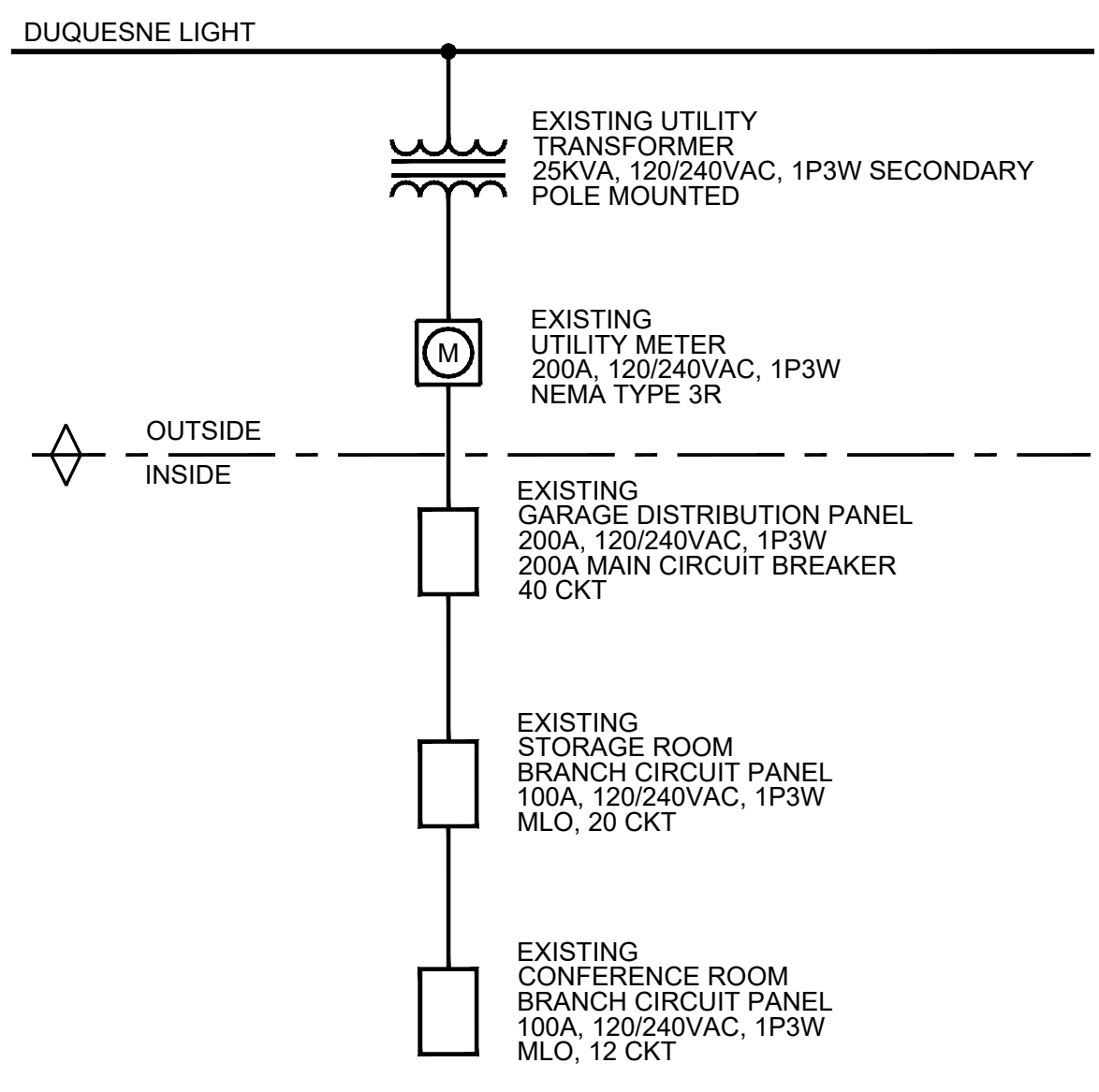
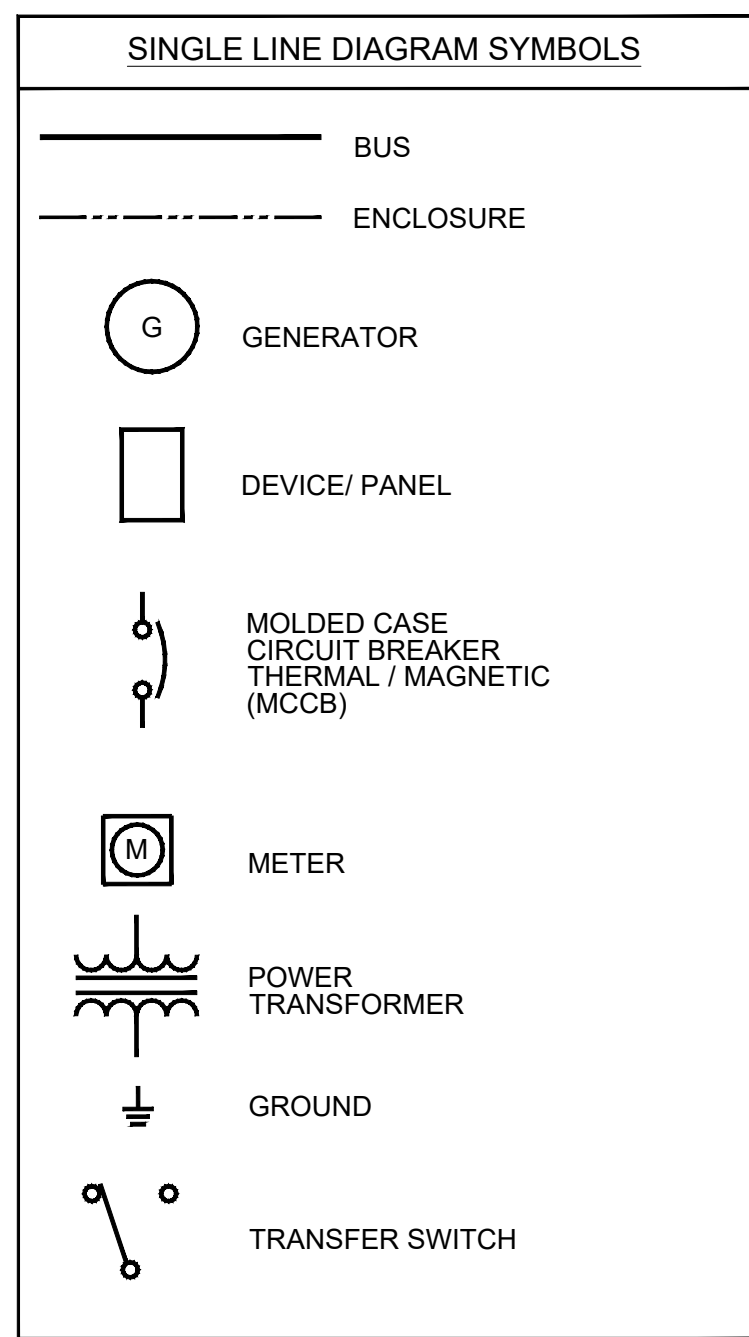
FIELD BOOK No.:
PROJECT No.: 25659 & 25052
DRAWN: MWS | CHECKED: MJM
DATE: FEBRUARY 2026

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No.	DATE	DESCRIPTION
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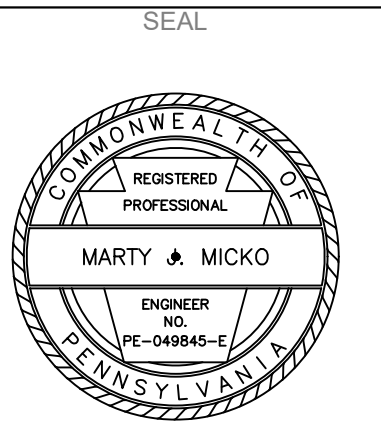
DRAWING NUMBER
25659-08
SHEET NUMBER

8 OF 19





806 Lincoln Place
Beaver Falls, PA 15010
Phone: (724) 847-1696
Fax: (724) 847-0419
beaverfalls@widmerengineering.com
www.widmerengineering.com



**BEAVER COUNTY EMERGENCY SERVICES
PROPOSED BUILDING ADDITION**

PENNSYLVANIA
BEAVER COUNTY
PATTERSON TOWNSHIP

SINGLE LINE DIAGRAMS AND GROUNDING SYSTEM DIAGRAM

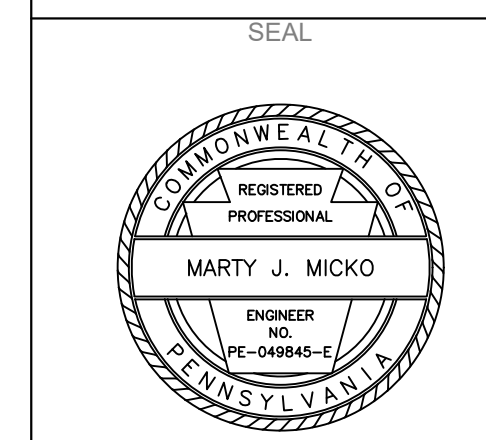
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PROJECT No.: 25659 & 25052
DRAWN: MWS | CHECKED: MJM
DATE: FEBRUARY 2026

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No.	DATE	DESCRIPTION
X	MMDDYY	

DRAWING NUMBER
25659-09
SHEET NUMBER

9 OF 19

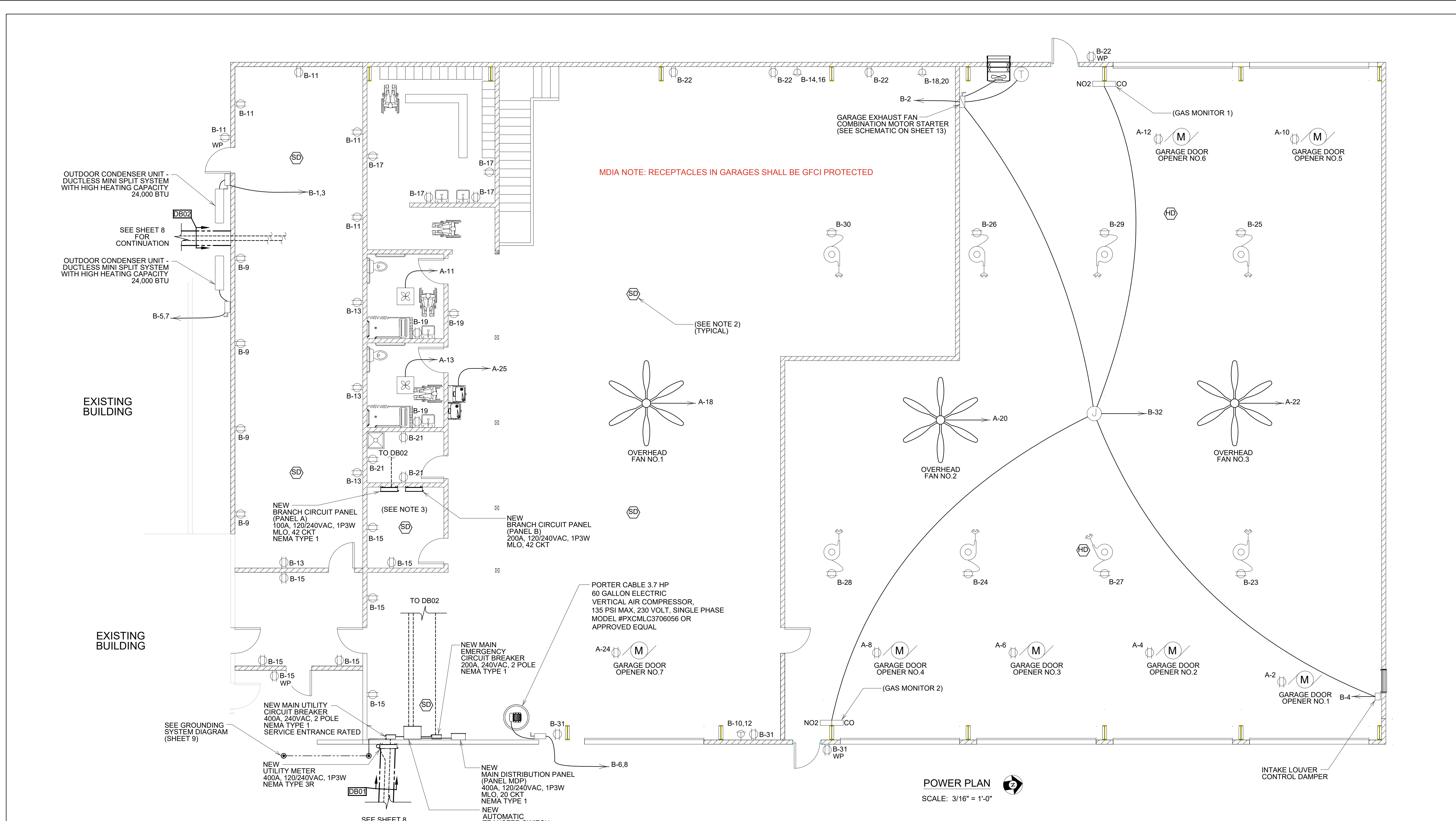




BEAVER COUNTY EMERGENCY SERVICES PROPOSED BUILDING ADDITION

PATTERSON TOWNSHIP BEAVER COUNTY PENNSYLVANIA

POWER PLAN



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

NOTES:

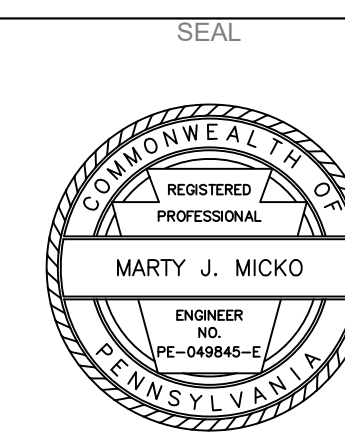
- REPURPOSE THE EXISTING GARAGE DISTRIBUTION PANEL. REMOVE THE EXISTING UTILITY SERVICE CONDUCTORS AND ENSURE THE GROUNDED CONDUCTOR BUS (NEUTRAL) IS ISOLATED FROM THE GROUND BUS. CONNECT FEEDER CONDUCTORS FROM THE NEW MAIN DISTRIBUTION PANEL TO THE PANEL MAIN CIRCUIT BREAKER (SEE PROPOSED SINGLE LINE DIAGRAM ON SHEET 9.)
- SMOKE DETECTORS SHALL UTILIZE BOTH IONIZATION AND PHOTOELECTRIC SENSOR TECHNOLOGIES. HEAT DETECTORS SHALL ALARM FOR TEMPERATURES ABOVE 135°F. BOTH SMOKE DETECTORS AND HEAT DETECTORS SHALL BE ABLE TO BE INTERCONNECTED IN A MULTIPLE STATION ARRANGEMENT AND BE POWERED FROM 120 VAC. 60HZ ALONG WITH A STANDARD 9VDC BACKUP BATTERY SOURCE IN EACH DETECTOR. AT EACH NOTED LOCATION, MOUNT THE DETECTOR AT THE CEILING LEVEL. SMOKE DETECTORS SHALL BE KIDDE MODEL P12010. HEAT DETECTORS SHALL BE KIDDE MODEL HD135F. WIRE THE DETECTORS PER THE SCHEMATIC SHOWN ON SHEET 12.
- THE ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL A NEW FIBER OPTIC CABLE BETWEEN THE EXISTING FIBER COMMUNICATIONS ENCLOSURE IN THE EXISTING GARAGE TRAINING ROOM AND THE MECHANICAL ROOM IN THE NEW BUILDING. THE CABLE SHALL BE ROUTED IN A 2" EMT CONDUIT TO A NEW ZONE FIBER DISTRIBUTION BOX IN THE MECHANICAL ROOM. THE ZONE FIBER DISTRIBUTION BOX SHALL BE OPTICAL CABLE CORPORATION MODEL ZDMB6 WITH TWO, 6 PORT ADAPTER PLATES (SPECIFIC CONNECTOR STYLE TO BE COORDINATED WITH THE OWNER). THE FIBER CABLE SHALL BE MOHAWK VERSALITE TBF MULTIMODE, OM1 GRADE 2, 62.5/125um, MODEL M9B048T OR EQUAL. TERMINATE ALL 12 FIBERS ON EACH END WITH A CONNECTOR SELECTED BY THE OWNER AND TEST THE CABLE IN ACCORDANCE WITH THE SPECIFICATIONS.
- THE CONTRACTOR SHALL FURNISH AND INSTALL TWO STANDALONE GAS DETECTION CONTROLLERS. EACH COMPLETE WITH THE FOLLOWING:
120VAC POWER SUPPLY
CO SENSOR
NO2 SENSOR
COMBINATION HORN/STROBE
TWO SPDT ALARM RELAYS
INTEC POLYGARD 2 MODEL SGC6-02/SYS-P2WLEDP/120VAC-24VDC OR EQUAL.
- MOUNT PER THE MANUFACTURER'S RECOMMENDATIONS. INTERLOCK EACH CONTROLLER INTO THE GARAGE EXHAUST FAN CONTROL CIRCUIT TO START THE EXHAUST FAN WHEN THE ALARM THRESHOLD IS EXCEEDED. ENLIST THE SERVICES OF A FACTORY REPRESENTATIVE TO COMPLETE THE START-UP AND COMMISSIONING OF EACH CONTROLLER.

MDIA NOTE: PRIOR TO ANY ELECTRICAL WORK IN POTENTIALLY HAZARDOUS AREAS, NOTIFY THE DESIGN PROFESSIONAL TO DELINEATE ALL CLASSIFIED AREAS AND PROVIDE SPECIFIC PROTECTION TECHNIQUES FOR ELECTRICAL AND ELECTRONIC EQUIPMENT WHERE REQUIRED. REVISIONS SHALL BE SUBMITTED TO MDIA FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.

SEE MDIA PLAN REVIEW COMMENTS PAGE FOR ADDITIONAL INFORMATION



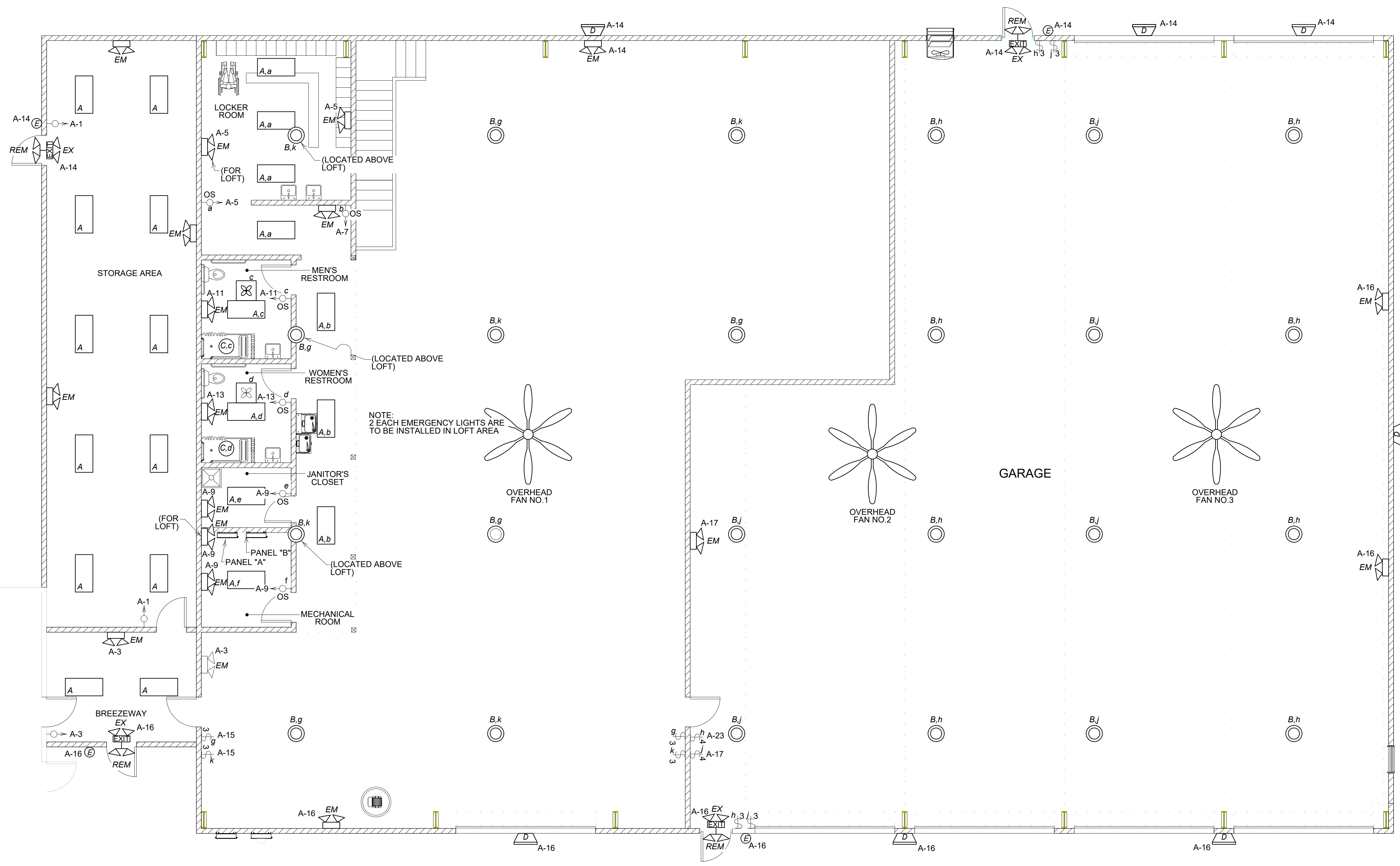
FIELD BOOK No.:		
PROJECT No.: 25659 & 25052		
DRAWN: MWS CHECKED: MJM		
DATE: FEBRUARY 2026		
REVISION		
No.	DATE	DESCRIPTION
X	MMDDYY	
DRAWING NUMBER		
25659-10		
SHEET NUMBER		
10 OF 19		



**BEAVER COUNTY EMERGENCY SERVICES
PROPOSED BUILDING ADDITION**

PATTERSON TOWNSHIP
BEAVER COUNTY
PENNSYLVANIA

LIGHTING PLAN



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

FIELD BOOK No.:
PROJECT No.: 25659 & 25052
DRAWN: MWS | CHECKED: MJM
DATE: FEBRUARY 2026

REVISION		
No.	DATE	DESCRIPTION
X	MMDDYY	



DRAWING NUMBER
25659-11
SHEET NUMBER

MAIN DISTRIBUTION PANEL (MDP)																							
VOLTS, PHASE, WIRE				PANEL SIZE, TYPE, SCOR				MAIN SIZE, TYPE				CABINET				LOCATION				SPD			
240 VAC, 1P3W				400A, SURFACE, 10KA				MAIN LUG ONLY				NEMA TYPE 1				STORAGE AREA				CATEGORY C			
No.	TRIP	POLES	ACC	CIRCUIT	WIRE	GND	CONDUIT	DESCRIPTION	L1	L2	L1	L2	DESCRIPTION	CONDUIT	GND	WIRE	CIRCUIT	ACC	POLES	TRIP	No.		
1	100A	2P	--	3-1/C	#2 AWG Cu	#6 AWG	1-1/2"	BRANCH CIRCUIT PANEL A	6,845		23,110		BRANCH PANEL B	2-1/2"	#6 AWG	4/0 AWG Cu	3-1/C	--	2P	200A	2		
3	--	--	--	--	--	--	--	--		8,483		22,060		--	--	--	--	--	--	--	4		
5	--	--	--	--	--	--	--	PROVISION	--		7,650		GARAGE DISTRIBUTION PANEL	2-1/2"	#6 AWG	4/0 AWG Cu	3-1/C	--	2P	200A	6		
7	--	--	--	--	--	--	--	PROVISION	--		7,650		PROVISION	--	--	--	--	--	--	--	8		
9	--	--	--	--	--	--	--	PROVISION	--		--		PROVISION	--	--	--	--	--	--	--	10		
11	--	--	--	--	--	--	--	PROVISION	--		--		PROVISION	--	--	--	--	--	--	--	12		
13	--	--	--	--	--	--	--	PROVISION	--		--		PROVISION	--	--	--	--	--	--	--	14		
15	--	--	--	--	--	--	--	PROVISION	--		--		PROVISION	--	--	--	--	--	--	--	16		
17	--	--	--	--	--	--	--	PROVISION	--		--		SURGE PROTECTIVE DEVICE	--	--	--	--	--	2P	30A	18		
19	--	--	--	--	--	--	--	PROVISION	--		--		--	--	--	--	--	--	--	--	20		

SUBTOTALS = 6,845 VA 8,483 VA 30,760 VA 29,710 VA
 ACC = ACCESSORIES
 ST = SHUNT TRIP
 AUX = AUXILIARY CONTACT
 GFCI 5mA = PERSONNEL GROUND FAULT PROTECTION
 GFEP 30mA = EQUIPMENT GROUND FAULT PROTECTION
 LOCK = HANDLE LOCKING DEVICE
 AFCI = ARC FAULT PROTECTION
 AF/IGF = COMBO ARC FAULT / GROUND FAULT PROTECTION
 SN = SWITCHED NEUTRAL

TOTALS
 CONNECTED L1 = 37,605 VA
 CONNECTED L2 = 38,193 VA
 PANEL CONNECTED = 75,798 VA
 PANEL AMPS = 316 A

BRANCH CIRCUIT PANEL A																							
VOLTS, PHASE, WIRE				PANEL SIZE, TYPE, SCOR				MAIN SIZE, TYPE				CABINET				LOCATION							
240 VAC, 1P3W				100A, SURFACE, 10KA				MAIN LUG ONLY				NEMA TYPE 1				MECHANICAL ROOM							
No.	TRIP	POLES	ACC	CIRCUIT	WIRE	GND	CONDUIT	DESCRIPTION	L1	L2	L1	L2	DESCRIPTION	CONDUIT	GND	WIRE	CIRCUIT	ACC	POLES	TRIP	No.		
1	20A	1P	--	2-1/C	#12 AWG Cu	#12 AWG	MC	STORAGE AREA LIGHTS	316		1,200		GARAGE DOOR OPENER No.1	3/4"	#12 AWG	#12 AWG Cu	2-1/C	--	1P	20A	2		
3	20A	1P	--	2-1/C	#12 AWG Cu	#12 AWG	MC	BREEZEWAY LIGHTS		80		1,200	GARAGE DOOR OPENER No.2	3/4"	#12 AWG	#12 AWG Cu	2-1/C	--	1P	20A	4		
5	20A	1P	--	2-1/C	#12 AWG Cu	#12 AWG	MC	LOCKER ROOM LIGHTS	160		1,200		GARAGE DOOR OPENER No.3	3/4"	#12 AWG	#12 AWG Cu	2-1/C	--	1P	20A	6		
7	20A	1P	--	2-1/C	#12 AWG Cu	#12 AWG	MC	LIGHTS		84		1,200	GARAGE DOOR OPENER No.4	3/4"	#12 AWG	#12 AWG Cu	2-1/C	--	1P	20A	8		
9	20A	1P	--	2-1/C	#12 AWG Cu	#12 AWG	3/4"	JANITORS CLOSET & MECHANICAL ROOM LIGHTS	92		1,200		GARAGE DOOR OPENER No.5	3/4"	#12 AWG	#12 AWG Cu	2-1/C	--	1P	20A	10		
11	20A	1P	--	2-1/C	#12 AWG Cu	#12 AWG	MC	MENS RESTROOM EXHAUST FAN AND LIGHTS		181		1,200	GARAGE DOOR OPENER No.6	3/4"	#12 AWG	#12 AWG Cu	2-1/C	--	1P	20A	12		
13	20A	1P	--	2-1/C	#12 AWG Cu	#12 AWG	MC	WOMENS RESTROOM EXHAUST FAN AND LIGHTS	181		160		EXTERIOR REAR LIGHTS	3/4"	#12 AWG	#12 AWG Cu	2-1/C	--	1P	20A	14		
15	20A	1P	--	2-1/C	#12 AWG Cu	#12 AWG	3/4"	HIGH BAY LIGHTS		1,500		246	EXTERIOR FRONT & RIGHT SIDE LIGHTS	3/4"	#12 AWG	#12 AWG Cu	2-1/C	--	1P	20A	16		
17	20A	1P	--	2-1/C	#12 AWG Cu	#12 AWG	3/4"	HIGH BAY LIGHTS	912		62		OVERHEAD FAN No.1	3/4"	#12 AWG	#12 AWG Cu	2-1/C	--	1P	20A	18		
19	15A	1P	--	2-1/C	#14 AWG Cu	--	3/4"	SMOKE & HEAT DETECTORS		30		62	OVERHEAD FAN No.2	3/4"	#12 AWG	#12 AWG Cu	2-1/C	--	1P	20A	20		
21	20A	1P	--	2-1/C	#12 AWG Cu	#12 AWG	3/4"	HIGH BAY LIGHTS	1,200		62		OVERHEAD FAN No.3	3/4"	#12 AWG	#12 AWG Cu	2-1/C	--	1P	20A	22		
23	20A	1P	--	2-1/C	#12 AWG Cu	#12 AWG	1"	GENERATOR COOLANT HEATER		1,500		1,200	GARAGE DOOR OPENER No.7	3/4"	#12 AWG	#12 AWG Cu	2-1/C	--	1P	20A	24		
25	20A	1P	--	2-1/C	#12 AWG Cu	#12 AWG	1"	GENERATOR BATTERY CHARGER & ALTERNATOR HEATER	100		--		SPARE	--	--	--	--	--	1P	20A	26		
27	20A	1P	--	--	--	--	--	SPARE	--	--	--	--	SPARE	--	--	--	--	--	1P	20A	28		
29	20A	1P	--	--	--	--	--	SPARE	--	--	--	--	SPARE	--	--	--	--	--	1P	20A	30		
31	20A	1P	--	--	--	--	--	SPARE	--	--	--	--	SPARE	--	--	--	--	--	1P	20A	32		
33	20A	1P	--	--	--	--	--	SPARE	--	--	--	--	SPARE	--	--	--	--	--	1P	20A	34		
35	20A	1P	--	--	--	--	--	SPARE	--	--	--	--	SPARE	--	--	--	--	--	1P	20A	36		
37	20A	1P	--	--	--	--	--	SPARE	--	--	--	--	SPARE	--	--	--	--	--	1P	20A	38		
39	20A	1P	--	--	--	--	--	SPARE	--	--	--	--	SPARE	--	--	--	--	--	1P	20A	40		
41	20A	1P	--	--	--	--	--	SPARE	--	--	--	--	SPARE	--	--	--	--	--	1P	20A	42		

SUBTOTALS = 2,961 VA 3,375 VA 3,884 VA 5,108 VA
 ACC = ACCESSORIES
 ST = SHUNT TRIP
 AUX = AUXILIARY CONTACT
 GFCI 5mA = PERSONNEL GROUND FAULT PROTECTION
 GFEP 30mA = EQUIPMENT GROUND FAULT PROTECTION
 LOCK = HANDLE LOCKING DEVICE
 AFCI = ARC FAULT PROTECTION
 AF/IGF = COMBO ARC FAULT / GROUND FAULT PROTECTION
 SN = SWITCHED NEUTRAL

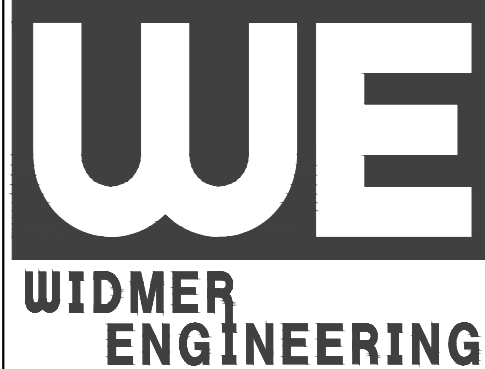
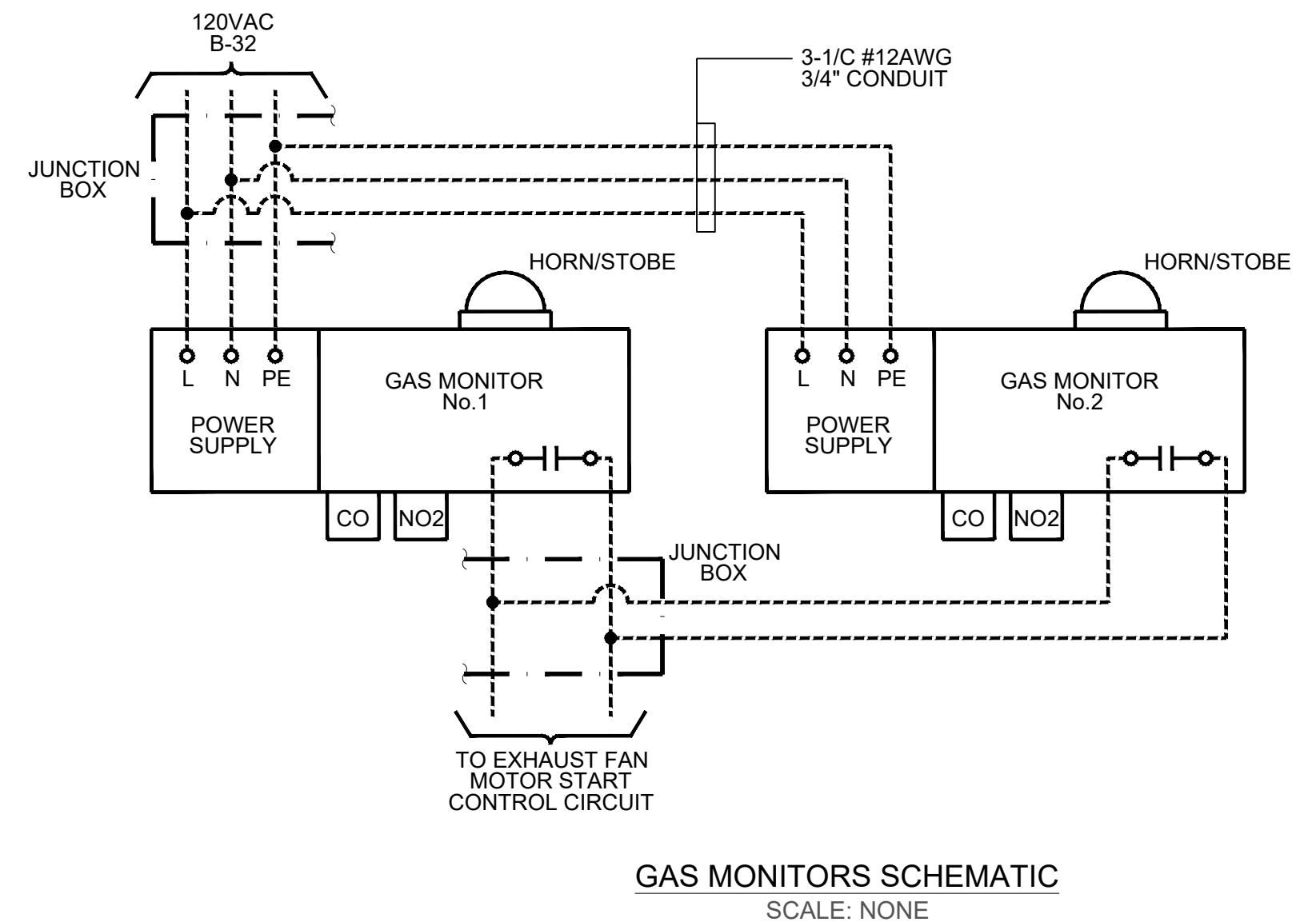
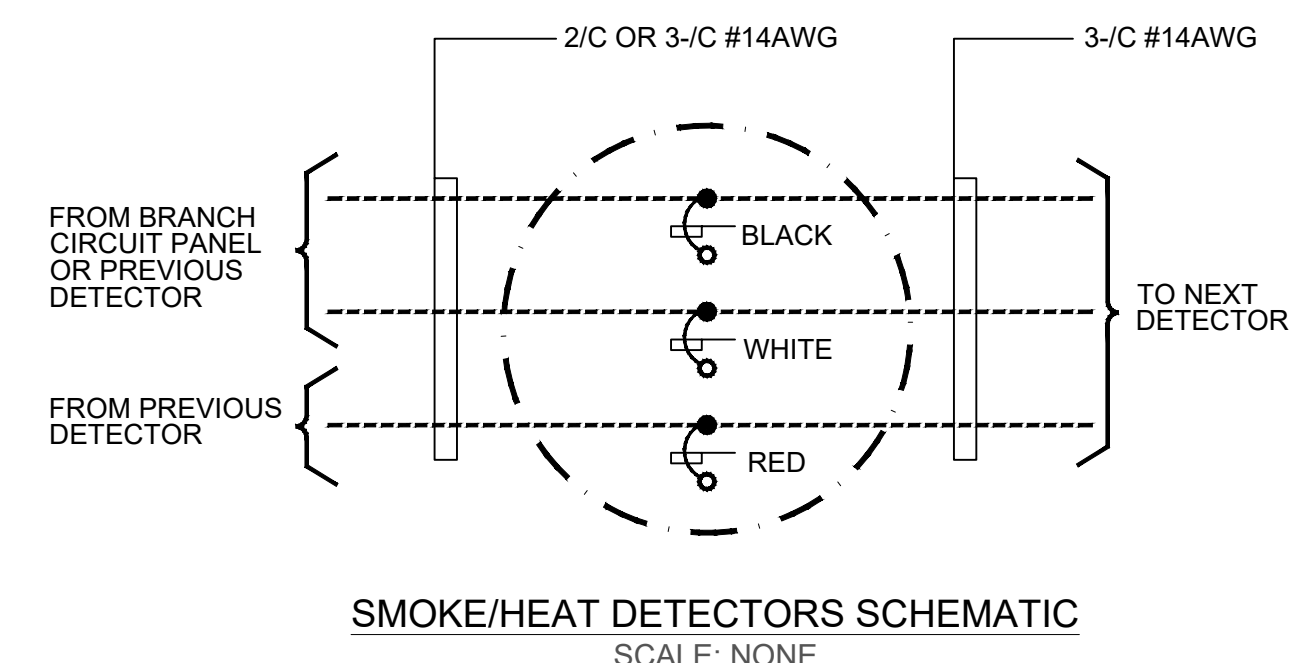
TOTALS
 CONNECTED L1 = 6,845 VA
 CONNECTED L2 = 8,483 VA
 PANEL CONNECTED = 15,328 VA
 PANEL AMPS = 64 A

BRANCH CIRCUIT PANEL B																							
VOLTS, PHASE, WIRE				PANEL SIZE, TYPE, SCOR				MAIN SIZE, TYPE				CABINET				LOCATION							
240 VAC, 1P3W				200A, SURFACE, 10KA				MAIN LUG ONLY				NEMA TYPE 1				MECHANICAL ROOM							
No.	TRIP	POLES	ACC	CIRCUIT	WIRE	GND	CONDUIT	DESCRIPTION	L1	L2	L1	L2	DESCRIPTION	CONDUIT	GND	WIRE	CIRCUIT	ACC	POLES	TRIP	No.		
1	50A	2P	--	3-1/C	#6 AWG Cu	#10 AWG	1"	2 TON AC HEATING UNIT ZONE 3	4,750		1,200		GARAGE EXHAUST FAN	3/4"	#12 AWG	#12 AWG Cu	2-1/C	--	1P	20A	2		
3	--	--	--	--	--	--	--	--		4,750		120	GARAGE INTAKE LOUVER	3/4"	#12 AWG	#12 AWG Cu	2-1/C	--	1P	20A	4		
5	40A	2P	--	3-1/C	#8 AWG Cu	#10 AWG	1"	2 TON AC HEATING UNIT ZONE 1	3,750		1,800		AIR COMPRESSOR	3/4"	#10 AWG	#10 AWG Cu	3-1/C	--	2P	25A	6		
7	--	--	--	--	--	--	--	--		3,750		1,800	--	--	--	--	--	--	--	--	8		
9	20A	1P	--	2-1/C	#12 AWG Cu	#12 AWG	3/4"	RECEPTACLES	720		2,250		RECEPTACLE (240V)	3/4"	#10 AWG	#10 AWG Cu	3-1/C	--	2P	30A	10		
11	20A	1P	GFCI 5mA	2-1/C	#12 AWG Cu	#12 AWG	3/4"	RECEPTACLES		900		2,250	--	--	--	--	--	--	--	--	12		
13	20A	1P	--	2-1/C	#12 AWG Cu	#12 AWG	3/4"	RECEPTACLES	720		2,250		RECEPTACLE (240)	3/4"	#10 AWG	#10 AWG Cu	3-1/C	--	2P	30A	14		
15	20A	1P	GFCI 5mA	2-1/C	#12 AWG Cu	#12 AWG	3/4"	RECEPTACLES		1,440		2,250	--	--	--	--	--	--	--	--	16		
17	20A	1P	GFCI 5mA	2-1/C	#12 AWG Cu	#12 AWG	3/4"	RECEPTACLES	720		2,250		RECEPTACLE (240)	3/4"	#10 AWG	#10 AWG Cu	3-1/C	--	2P	30A	18		
19	20A	1P	GFCI 5mA	2-1/C	#12 AWG Cu	#12 AWG	3/4"	RECEPTACLES		540		2,250	--	--	--	--	--	--	--	--	20		
21	20A	1P	GFCI 5mA	2-1/C	#12 AWG Cu	#12 AWG	3/4"	RECEPTACLES	540		720		RECEPTACLES	3/4"	#12 AWG	#12 AWG Cu	2-1/C	GFCI 5mA	1P	20A	22		
23	20A	1P	GFCI 5mA	2-1/C	#12 AWG Cu	#12 AWG	3/4"	BAY No.1 OVERHEAD RECEPTACLE		360		360	BAY No.3 OVERHEAD RECEPTACLE	3/4"	#12 AWG	#12 AWG Cu	2-1/C	GFCI 5mA	1P	20A	24		
25	20A	1P	GFCI 5mA	2-1/C	#12 AWG Cu	#12 AWG	3/4"	BAY No.1 OVERHEAD RECEPTACLE		360		360	BAY No.3 OVERHEAD RECEPTACLE	3/4"	#12 AWG	#12 AWG Cu	2-1/C	GFCI 5mA	1P	20A	26		
27	20A	1P	--	2-1/C	#12 AWG Cu	#12 AWG	3/4"	BAY No.2 OVERHEAD RECEPTACLE		360		360	BAY No.4 OVERHEAD RECEPTACLE	3/4"	#12 AWG	#12 AWG Cu	2-1/C	GFCI 5mA	1P	20A	28		
29	20A	1P	--	2-1/C	#12 AWG Cu	#12 AWG	3/4"	BAY No.2 OVERHEAD RECEPTACLE		360		360	BAY No.4 OVERHEAD RECEPTACLE	3/4"	#12 AWG	#12 AWG Cu	2-1/C	GFCI 5mA	1P	20A	30		
31	20A	1P	GFCI 5mA	2-1/C	#12 AWG Cu	#12 AWG	3/4"	RECEPTACLES		540		30	GAS MONITORS	3/4"	#12 AWG	#12 AWG Cu	2-1/C	--	1P	20A	32		
33	20A	1P	--	--	--	--	--	SPARE	--	--	--	--	SPARE	--	--	--	--	--	1P	20A	34		
35	20A	1P	--	--	--	--	--	SPARE	--	--	--	--	SPARE	--	--	--	--	--	1P	20A	36		
37	20A	1P	--	--	--	--	--	SPARE	--	--	--	--	SPARE	--	--	--	--	--	1P	20A	38		
39	20A	1P	--	--	--	--	--	SPARE	--	--	--	--	SPARE	--	--	--	--	--	1P	20A	40		
41	20A	1P	--	--	--	--	--	SPARE	--	--	--	--	SPARE	--	--	--	--	--	1P	20A	42		

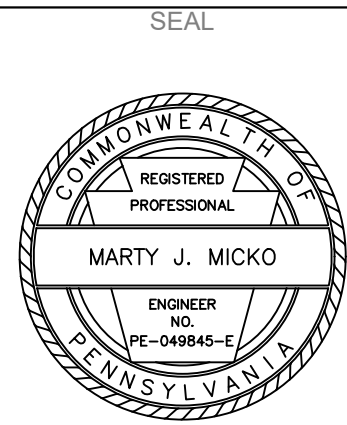
SUBTOTALS = 11,920 VA 12,640 VA 11,190 VA 9,420 VA
 ACC = ACCESSORIES
 ST = SHUNT TRIP
 AUX = AUXILIARY CONTACT
 GFCI 5mA = PERSONNEL GROUND FAULT PROTECTION
 GFEP 30mA = EQUIPMENT GROUND FAULT PROTECTION
 LOCK = HANDLE LOCKING DEVICE
 AFCI = ARC FAULT PROTECTION
 AF/IGF = COMBO ARC FAULT / GROUND FAULT PROTECTION
 SN = SWITCHED NEUTRAL

TOTALS
 CONNECTED L1 = 23,110 VA
 CONNECTED L2 = 22,060 VA
 PANEL CONNECTED = 45,170 VA
 PANEL AMPS = 188 A

ELECTRICAL SERVICE CAPACITY	
400A x 240VAC x 0.8	= 76.8KVA
EXISTING SERVICE DEMAND	= 15.3KVA
ADDITIONAL DEMAND	= 60.5KVA
REMAINING CAPACITY	= 1.0KVA



806 Lincoln Place
Beaver Falls, PA 15010
Phone: (724) 847-1696
Fax: (724) 847-0419
beaverfalls@widmerengineering.com
www.widmerengineering.com



BEAVER COUNTY EMERGENCY SERVICES
 PROPOSED BUILDING ADDITION

BEAVER COUNTY
 PATTERSON TOWNSHIP
 PENNSYLVANIA
 ELECTRICAL PANEL SCHEDULES AND SERVICE CALCULATION

FIELD BOOK No.:
PROJECT No.: 25659 & 25052
DRAWN: MWS CHECKED: MJM
DATE: FEBRUARY 2026

REVISION		
No.	DATE	DESCRIPTION
X		

LIGHTING FIXTURE SCHEDULE

A.g
SWITCHING CIRCUIT DESIGNATION
FIXTURE LETTER, SEE BELOW

FIXTURE SYMBOL	FIXTURE LETTER	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LAMPS	REMARKS
□	A	2' x 4' LED FIXTURE, LOW GLARE LUMINAIRE 0-10V DIMMING SURFACE MOUNTED, UNLESS OTHERWISE NOTED	DAY-BRITE CFI	2DSRT3050LCS-2-UNV-DIM F2/5W	4000K 3800 LUMENS 28W	N/A
⊙	B	LED CIRCULAR HIGH BAY FIXTURE 0-10V DIMMING, TRANSLUCENT POLYCARBONATE LENS MOUNT AT 16' AFF IN GARAGE AND STORAGE AREA THE LOFT SHALL BE MOUNTED 10' ABOVE LOFT FLOOR.	DAY-BRITE CFI	HCV0823L8CST-UN3-DIM	4000K 23,000 LUMENS 150W	N/A
○	C	LED CIRCULAR DOWNLIGHT FIXTURE WET RATED, 0-10V DIMMING, FIELD SELECTABLE LUMENS AND CCT OPTIONS RECESSED MOUNTED	LIGHTOLIER	FD5RSLMZ10SCTUW	4000K 900/1100 LUMENS 13/11W	WET RATED
◡	D	EXTERIOR LED WALL PACK FIXTURE, FIELD SELECTABLE LUMENS AND CCT OPTIONS MOUNT APPROXIMATELY 14'-10" AFF. (FIELD VERIFY)	STONCO KEENE	WP60-SCT-G2-10-BZ	5000K 5360LUMENS 40W	PHOTOCELL INCLUDED
○	E	EXTERIOR SLIM LED WALL PACK FIXTURE, FIELD SELECTABLE LUMENS AND CCT OPTIONS MOUNTED ABOVE MAN DOORS. (FIELD VERIFY)	STONCO SIGNIFY	ASW25-SCT-G1-8-PCB-BW	5000K 3000LUMENS 25W	N/A
EXIT	EX	EXIT LIGHT FIXTURE - DUAL HEAD EMERGENCY FIXTURE WITH BATTERY BACK-UP, WALL MOUNTED MOUNT FIXTURE ABOVE DOOR	LIGHTALARMS	LCAC-R-2SQLED-RID	LED	N/A
EM	EM	DUAL HEAD EMERGENCY FIXTURE WITH BATTERY BACK-UP, EXTERIOR WALL MOUNTED MOUNT FIXTURE ABOVE DOOR	LIGHTALARMS	LCA-2RHL-ID	LED	N/A
REM	REM	EMERGENCY LIGHT REMOTE FIXTURE WALL MOUNTED MOUNT FIXTURE BESIDE DOOR	LIGHTALARMS	ELF612/LED/BK	LED	N/A

SYMBOL LIST (LIGHTING)

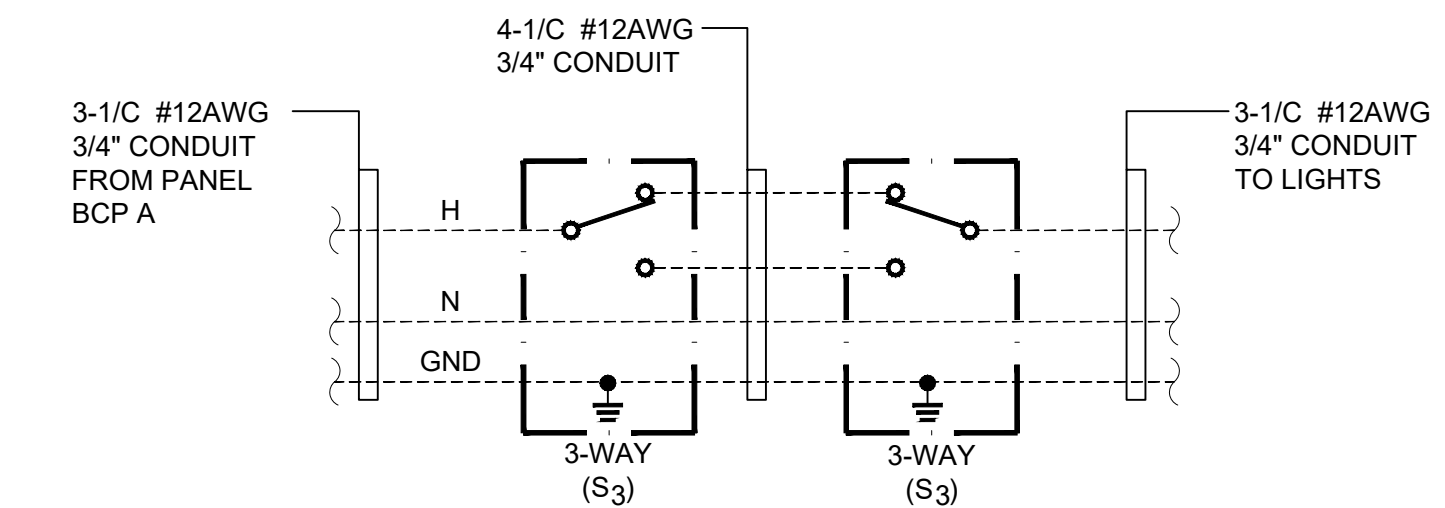
SYMBOL	DESCRIPTION
○→	PASSIVE DUAL TECHNOLOGY AUTOMATIC WALL BOX STYLE OCCUPANCY SENSOR (PIR/ACOUSTIC)
⊥	SINGLE POLE LIGHT SWITCH
3⊥	3 WAY LIGHT SWITCH
4⊥	4 WAY LIGHT SWITCH

SYMBOL LIST (ELECTRICAL)

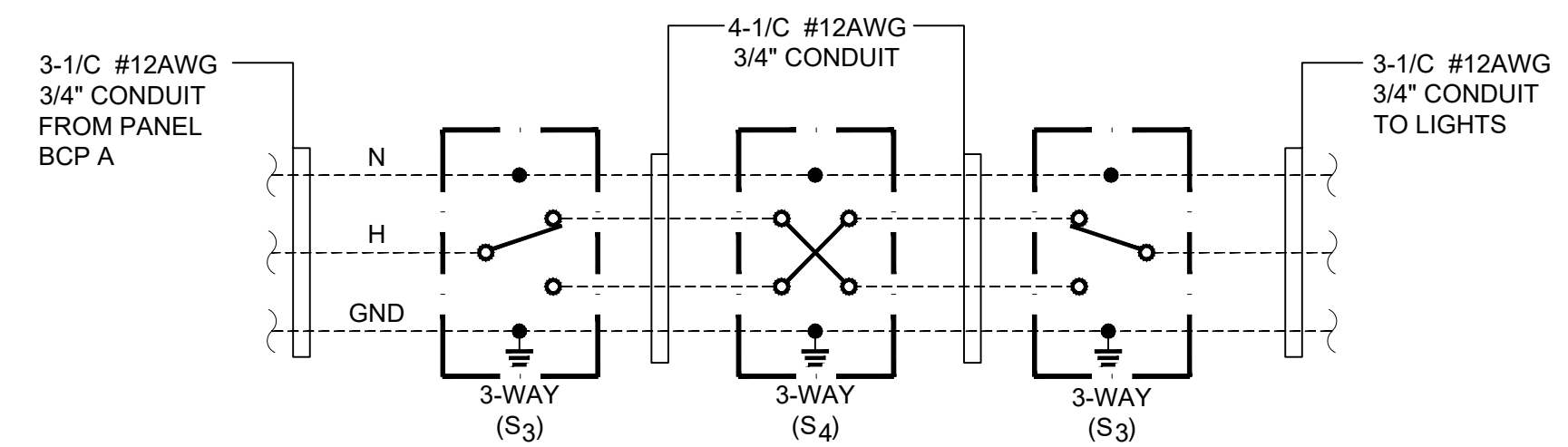
□	PANELBOARD, TOP OF PANEL AT 6'-6" AFF.
⊥	NEW METER BY DUQUESNE LIGHT
SD OR HD	SMOKE DETECTORS/ HEAT DETECTORS
⊠	EXHAUST FAN GREENHECK MODEL SP-B150
WP	20 AMP 120V DUPLEX RECEPTACLE IN A CAST BOX WITH A WEATHERPROOF "IN-USE" STYLE COVER MOUNTED 42" AFF. 20 AMP 120V DUPLEX RECEPTACLE
WP	30 AMP 240V RECEPTACLE IN A CAST BOX WITH A WEATHERPROOF "IN-USE" STYLE COVER MOUNTED 42" AFF. 30 AMP 240V RECEPTACLE
⊥	NON-FUSED DISCONNECT SWITCH.
⊠	COMBINATION MOTOR STARTER
⊠	LINE VOLTAGE THERMOSTAT
M	MOTOR
⊠	RETRACTABLE EXTENSION CORD REEL WITH 65 FEET OF 12/3 CORD AND QUAD TAP RECEPTACLES AS MANUFACTURED BY PRO-REEL MODEL NO. 8665TFQ OR APPROVED EQUAL

NOTES:

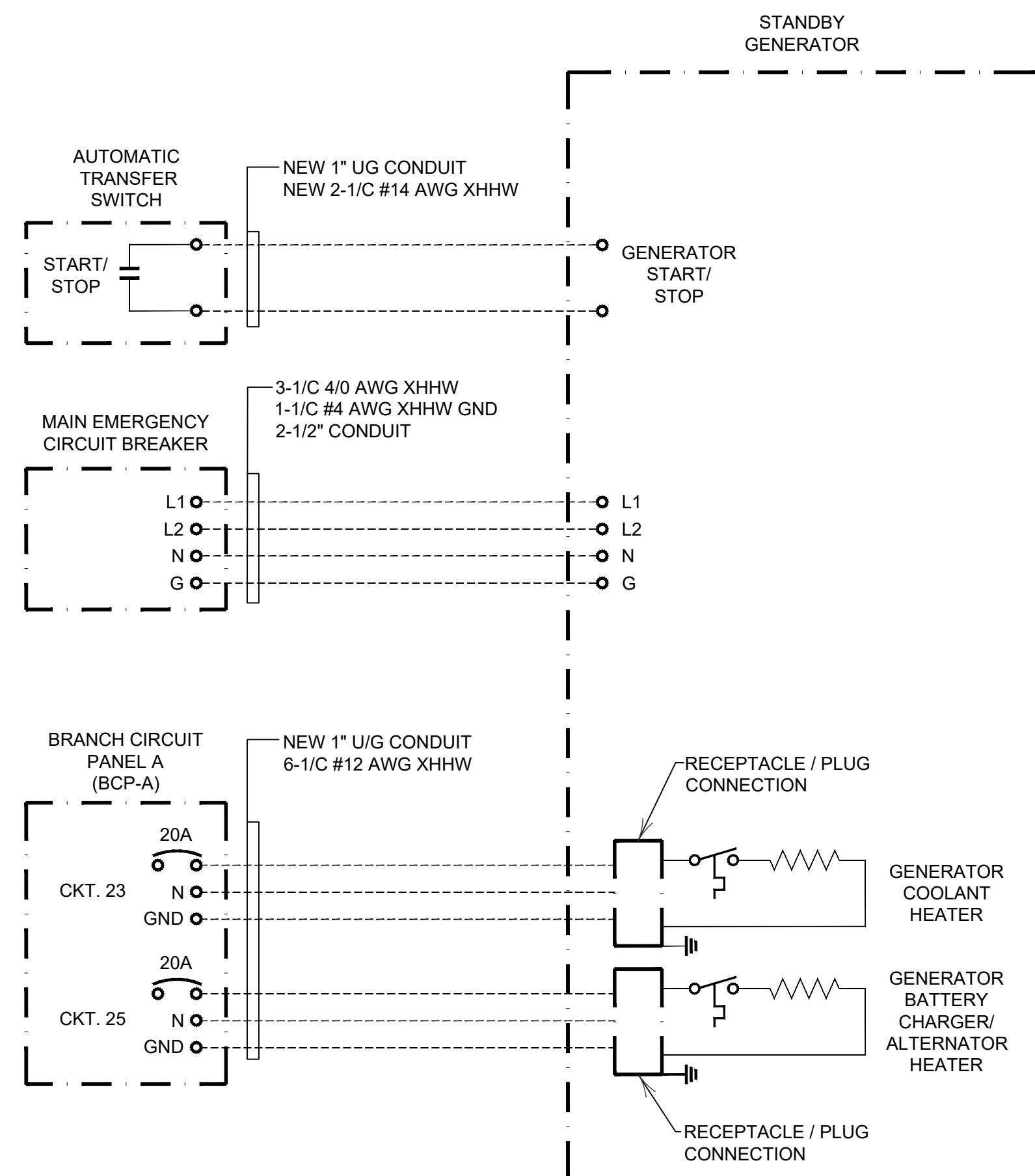
- THE ELECTRICAL DESIGN IS IN ACCORDANCE WITH THE 2020 NATIONAL ELECTRICAL CODE.
- ALL INTERIOR RACEWAYS IN THE GARAGE AREA(S) SHALL BE SURFACE MOUNTED WITH SURFACE MOUNTED OUTLET AND JUNCTION BOXES, UTILIZING RIGID GALVANIZED CONDUIT/FITTINGS. ALL OTHER RACEWAYS SHALL BE CONCEALED IN WALLS AND CEILINGS UTILIZING ELECTRICAL METALIC TUBING AND/OR METAL-CLAD CABLE ASSEMBLIES WITH RECESS MOUNTED OUTLET AND JUNCTION BOXES.



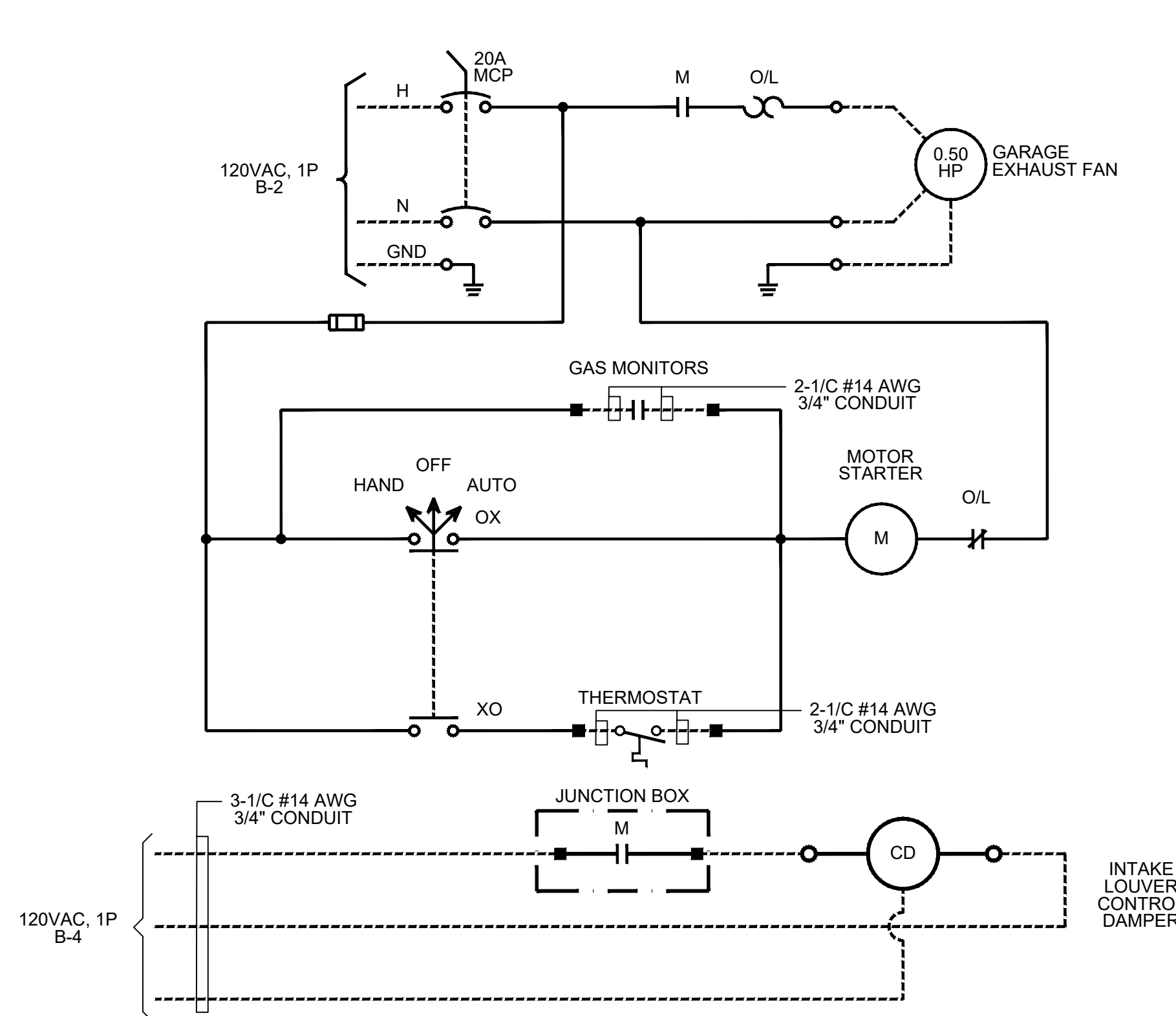
3-WAY SWITCH SCHEMATIC
SCALE: NONE



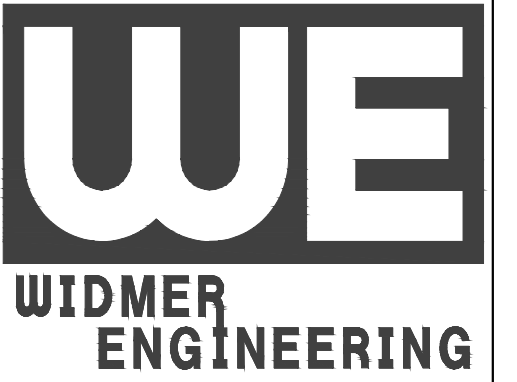
4-WAY SWITCH SCHEMATIC
SCALE: NONE



GENERATOR INTERCONNECTIONS
SCALE: NONE

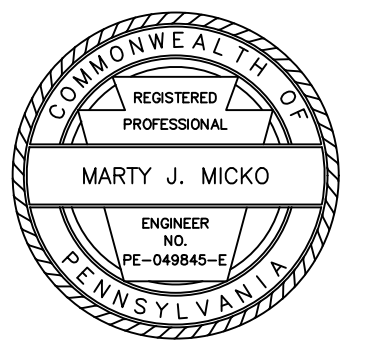


GARAGE EXHAUST FAN SCHEMATIC
SCALE: NONE



806 Lincoln Place
Beaver Falls, PA 15010
Phone: (724) 847-1696
Fax: (724) 847-0419
beaverfalls@widmerengineering.com
www.widmerengineering.com

SEAL



BEAVER COUNTY EMERGENCY SERVICES
PROPOSED BUILDING ADDITION

PENNSYLVANIA
BEAVER COUNTY
PATTERSON TOWNSHIP

LIGHTING FIXTURE SCHEDULE AND NOTES

FIELD BOOK No.:
PROJECT No.: 25659 & 25052
DRAWN: MWS | CHECKED: MJM
DATE: FEBRUARY 2026

REVISION		
No.	DATE	DESCRIPTION
X	MMDDYY	

DRAWING NUMBER
25659-13
SHEET NUMBER



LINE SETS, CONTROL WIRES, CONDUCTORS ETC. FOR A COMPLETE OPERATING SYSTEM. WHEN INSTALLED ABOVE CEILING THEY SHALL BE INSTALLED IN A 1/2" SCH 80 CONDUIT OF SUFFICIENT SIZE FOR EASE OF REPAIRS INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS. TYPICAL

NOTE: BEFORE ORDERING MINI SPLIT LINE SETS ETC. CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF OUTDOOR CONDENSER UNITS AND INDOOR WALL MOUNTED UNITS, TO INSURE THE CORRECT LENGTH OF MATERIALS.

OUTDOOR CONDENSER UNIT - DUCTLES MINI SPLIT SYSTEM WITH HIGH HEATING CAPACITY (DOWN TO -13°F) THREE ZONE - 24,000 BTU - 20 SEER2 AS MANUFACTURED BY MITSUBISHI M-SERIES H2I CONDENSER - R-454B MODEL NO. MXZ-3D24NLHZ

OUTDOOR CONDENSER UNIT - DUCTLES MINI SPLIT SYSTEM WITH HIGH HEATING CAPACITY (DOWN TO -13°F) SINGLE ZONE - 24,000 BTU - 21.8 SEER2 AS MANUFACTURED BY MITSUBISHI M-SERIES H2I CONDENSER - R-454B MODEL NO. PUZ-AK24NLHZ

INSTALLATION OF LINE SETS ON METAL WALL PANEL SHALL BE DONE IN ACCORDANCE WITH MANUFACTURE'S RECOMMENDATIONS TO PREVENT ANY SIGNAL INTERFERENCE ETC. TYPICAL

CONTRACTOR SHALL INSTALL WALL PENETRATION SLEEVES - LINE SET COVERS ETC. TYPICAL

INDOOR WALL MOUNTED UNIT - DUCTLES MINI SPLIT SYSTEM SINGLE ZONE - 24,000 BTU AS MANUFACTURED BY MITSUBISHI FX-SERIES-R-454B MODEL NO. PKA-AK24NL

CONTRACTOR SHALL CONNECT DRAIN TUBING TO 1" PVC SCH 40 DRAIN LINE TO INCLUDE ANY NECESSARY FITTINGS. TYPICAL OF LOCKER ROOM AND RESTROOM UNITS

INDOOR WALL MOUNTED UNIT - DUCTLES MINI SPLIT SYSTEM SINGLE ZONE - 12,000 BTU AS MANUFACTURED BY MITSUBISHI FX-SERIES-R-454B MODEL NO. MSZ-FX12NL

4" DIA. PVC SCH 80 OUTSIDE COMBUSTION AIR INSTALLED AS PER CO RAY VAC MANUFACTURER'S RECOMMENDATIONS. TYPICAL

CODE COMPLIANCE NOTES:
 1) BUILDING AND RESTROOMS COMPLIES WITH ICC/ANSI A117.1-2010
 2) BUILDING COMPLIES WITH THE 2018 INTERNATIONAL BUILDING CODE
 3) PLUMBING COMPLIES WITH THE 2018 INTERNATIONAL PLUMBING CODE
 4) ELECTRICAL COMPLIES WITH THE NATIONAL ELECTRICAL CODE
 5) MECHANICAL COMPLIES WITH THE 2018 INTERNATIONAL MECHANICAL CODE

NOTES:
 1. ALL GAS PIPING SHALL COMPLY WITH 2018 THE UNIFORM MECHANICAL CODE AND NATIONAL FIRE PROTECTION ASSOCIATION
 2. DIELECTRIC UNIONS SHALL USED AT ANY LOCATION WHERE DISSIMILAR METALS SHALL BE CONNECTED.

INSTALL UNIT ON 6" THICK CONCRETE PAD

INDOOR WALL MOUNTED UNIT - DUCTLES MINI SPLIT SYSTEM SINGLE ZONE - 6,000 BTU AS MANUFACTURED BY MITSUBISHI FX-SERIES-R-454B MODEL NO. MSZ-FX06NL

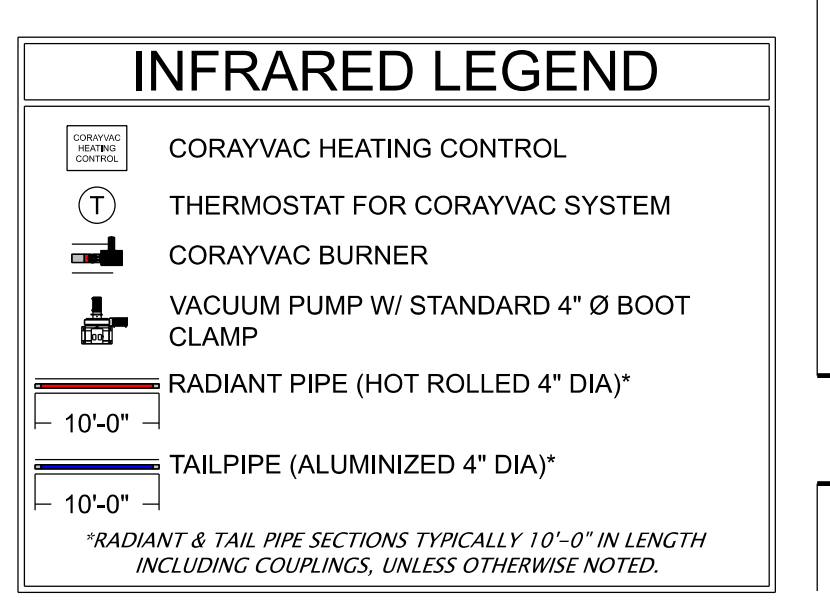
INDOOR WALL MOUNTED UNIT - DUCTLES MINI SPLIT SYSTEM SINGLE ZONE - 6,000 BTU AS MANUFACTURED BY MITSUBISHI FX-SERIES-R-454B MODEL NO. MSZ-FX06NL

INDOOR WALL MOUNTED UNIT - DUCTLES MINI SPLIT SYSTEM SINGLE ZONE - 6,000 BTU AS MANUFACTURED BY MITSUBISHI FX-SERIES-R-454B MODEL NO. PKA-AK24NL

6" DIA. ALUMINUM FIBERGLASS INSULATED FLEXIBLE DUCT R4.2 SILVER JACKET VENTED THROUGH ROOF OF BUILDING PART "B" TYPICAL

GREENHECK MODEL SP-B150 EXHAUST FAN TYPICAL

EXISTING BUILDING



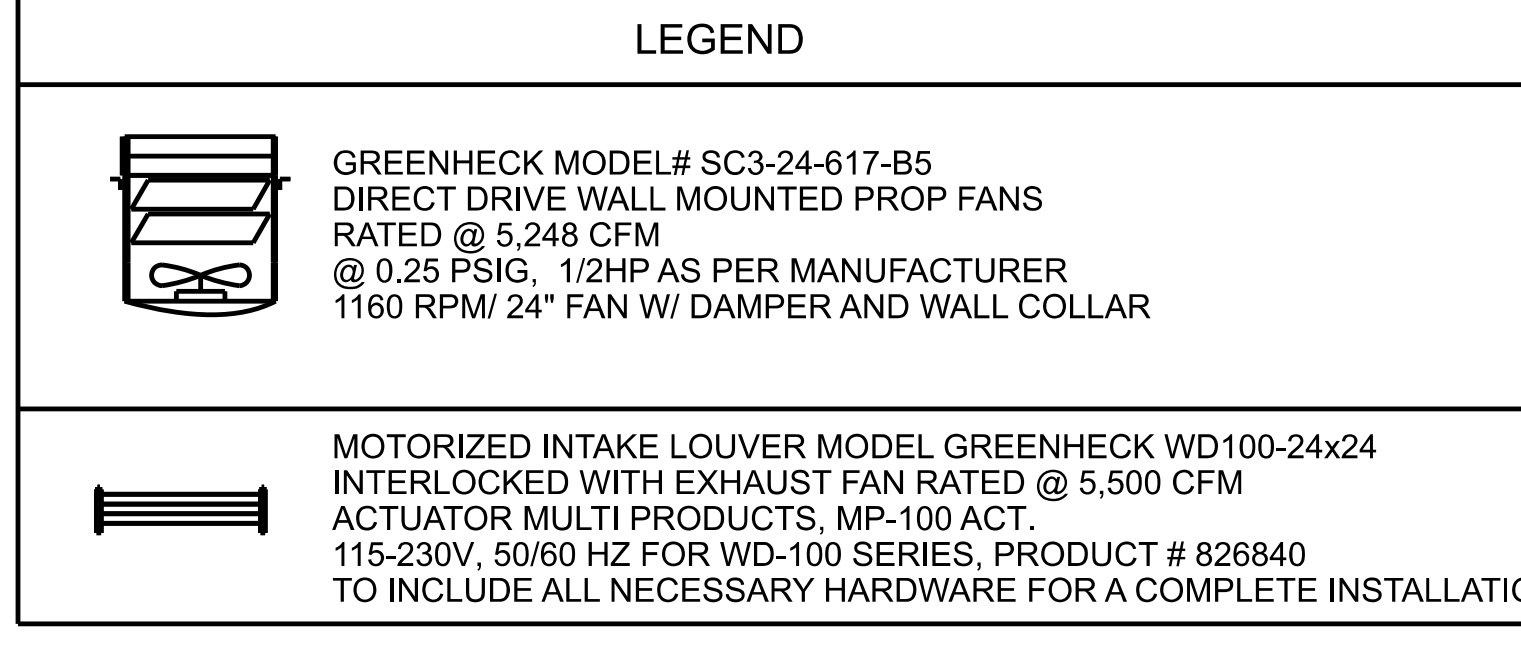
VACUUM PUMP SCHEDULE

MODEL	MARK	HORSEPOWER
EP-201	V1 & V2	115 V1/60 0.75 HP

MINIMUM VENTILATION RATES AS PER IMC 2018- INTERNATIONAL MECHANICAL CODE TABLE 403.3.1.1

LOCATION	EXHAUST AIRFLOW RATE CFM/FT ²	PROVIDED OUTDOOR VENTILATION AIR
PUBLIC SPACES (TOILET ROOM)	REQUIRED OUTDOOR VENTILATION AIR 50 CFM PER WATER CLOSET OR URINAL WITH CONTINUOUS FAN OPERATION WHILE OCCUPIED OR 70 CFM WITH INTERMITTENT FAN OPERATION	TOTAL PROVIDED = 152 CFM BY GREENHECK MODEL SP-B150

NOTE: 2018 INTERNATIONAL MECHANICAL CODE, SECTION 404 ENCLOSED PARKING GARAGES 404.1 ENCLOSED PARKING GARAGES VENTILATION WITHIN GARAGE/BUILDING AREA REQUIRES 0.75 CFM/ SQ. FT. 4,972.75 SQ. FT. X 0.75 CFM / SQ. FT. = 3,729.56 CFM



2018 INTERNATIONAL MECHANICAL CODE SECTION 402 NATURAL VENTILATION 402.3 ADJOINING SPACES

LOCATION	FLOOR AREA	OPERABLE WINDOW AREA	DOOR AREA	TOTAL OPERABLE AREA	8% OF FLOOR AREA
LOCKER ROOM	320 SQ.FT.	NONE	46.65 SQ.FT.	46.65 SQ.FT.	25.60 SQ.FT.
MEN'S RESTROOM	89.15 SQ.FT.	NONE	20.01 SQ.FT.	20.01 SQ.FT.	7.13 SQ.FT.
WOMEN'S RESTROOM	89.15 SQ.FT.	NONE	20.01 SQ.FT.	20.01 SQ.FT.	7.13 SQ.FT.
JANITOR'S CLOSET	54.02 SQ.FT.	NONE	17.81 SQ.FT.	17.81 SQ.FT.	4.32 SQ.FT.
MECHANICAL ROOM	85.46 SQ.FT.	NONE	20.01 SQ.FT.	20.01 SQ.FT.	6.84 SQ.FT.

2018 INTERNATIONAL MECHANICAL CODE SECTION 402 NATURAL VENTILATION 402.2 VENTILATION AREA REQUIRED

LOCATION	FLOOR AREA	OPERABLE WINDOW AREA	DOOR AREA	TOTAL OPERABLE AREA	4% OF FLOOR AREA
PARKING GARAGE①	4,972.75 SQ.FT.	NONE	1,218 SQ.FT.	1,218 SQ.FT.	198.91 SQ.FT.
STORAGE AREA② (WITH STORAGE LOFT)	4,528.50 SQ.FT.	NONE	196 SQ.FT.	196 SQ.FT.	181.14 SQ.FT.
STORAGE AREA③	882.45 SQ.FT.	NONE	41.01 SQ.FT.	196 SQ.FT.	35.30 SQ.FT.
BREEZEWAY④	165 SQ.FT.	NONE	21 SQ.FT.	196 SQ.FT.	6.60 SQ.FT.

NOTES
 ① 4" Vent Through Wall
 ② 4" Combustion Air Inlet Through Wall

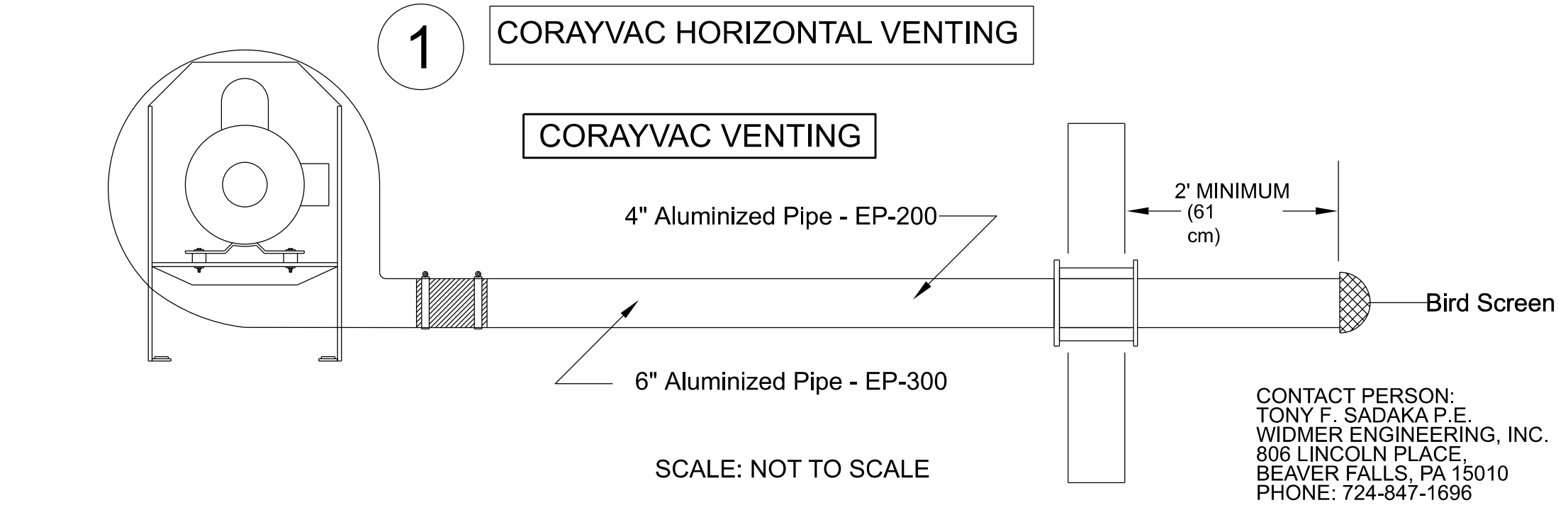
HVAC PLAN
 SCALE: 3/16" = 1'-0"

OCCUPANCY CLASSIFICATION AND USE MODERATE HAZARD STORAGE GROUP S-1 PROPOSED BUILDING ADDITION STORAGE AREA, RESTROOMS, LOCKER ROOM ETC. (4,627.25 SQ.FT.) WITH 15'-6" X 59'-4" LOFT (919.62 SQ.FT.) AND 15'-6" X 71'-4" STORAGE ROOM/ BREEZEWAY, (1,105.62 SQ.FT.) TOTAL AREA = 6,652.49 SQ. FT.

OCCUPANCY CLASSIFICATION AND USE LOW HAZARD STORAGE GROUP S-2 PARKING GARAGE, OPEN OR ENCLOSED 4,972.75 SQ.FT.

INFRARED HEATER SCHEDULE

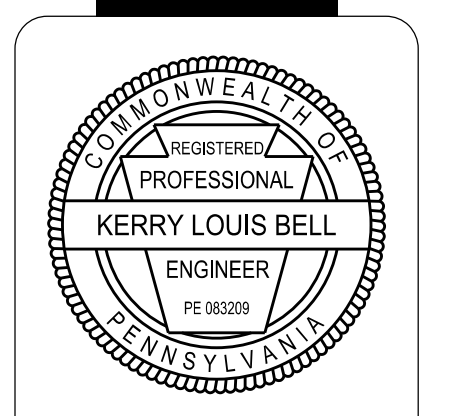
MODEL	DESCRIPTION	MAX. INPUT	VOLTAGE	TUBE MATERIAL	FUEL	MANUFACTURER
CRV B8	INFRARED HEATER	80,000 BTU/h	1/120/60	ALUMINIZED 4"Ø	PROPANE	ROBERTS GORDON
CRV B9	INFRARED HEATER	90,000 BTU/h	1/120/60	ALUMINIZED 4"Ø	PROPANE	ROBERTS GORDON



CONTRACTOR SHALL EXTEND AND CONNECT PROPOSED PROPANE LINE TO CO RAY VAC UNITS AS PER GAS CONNECTION DETAIL ON SHEET NO.12. TYPICAL 6 PLACES

4 EACH 10" DIA. FANS (WITH DOWNROD LENGTH AS REQUIRED), 5 SPEED FORWARD AND REVERSE WITH REMOTE AS MANUFACTURED BY CANARM, MODEL NO. CP-120PG-20,693 CFM PER FAN (TO BE FIELD LOCATED)

4" DIA. PVC SCH 80 OUTSIDE COMBUSTION AIR INSTALLED AS PER CO RAY VAC MANUFACTURER'S RECOMMENDATIONS. TYPICAL



REVISIONS

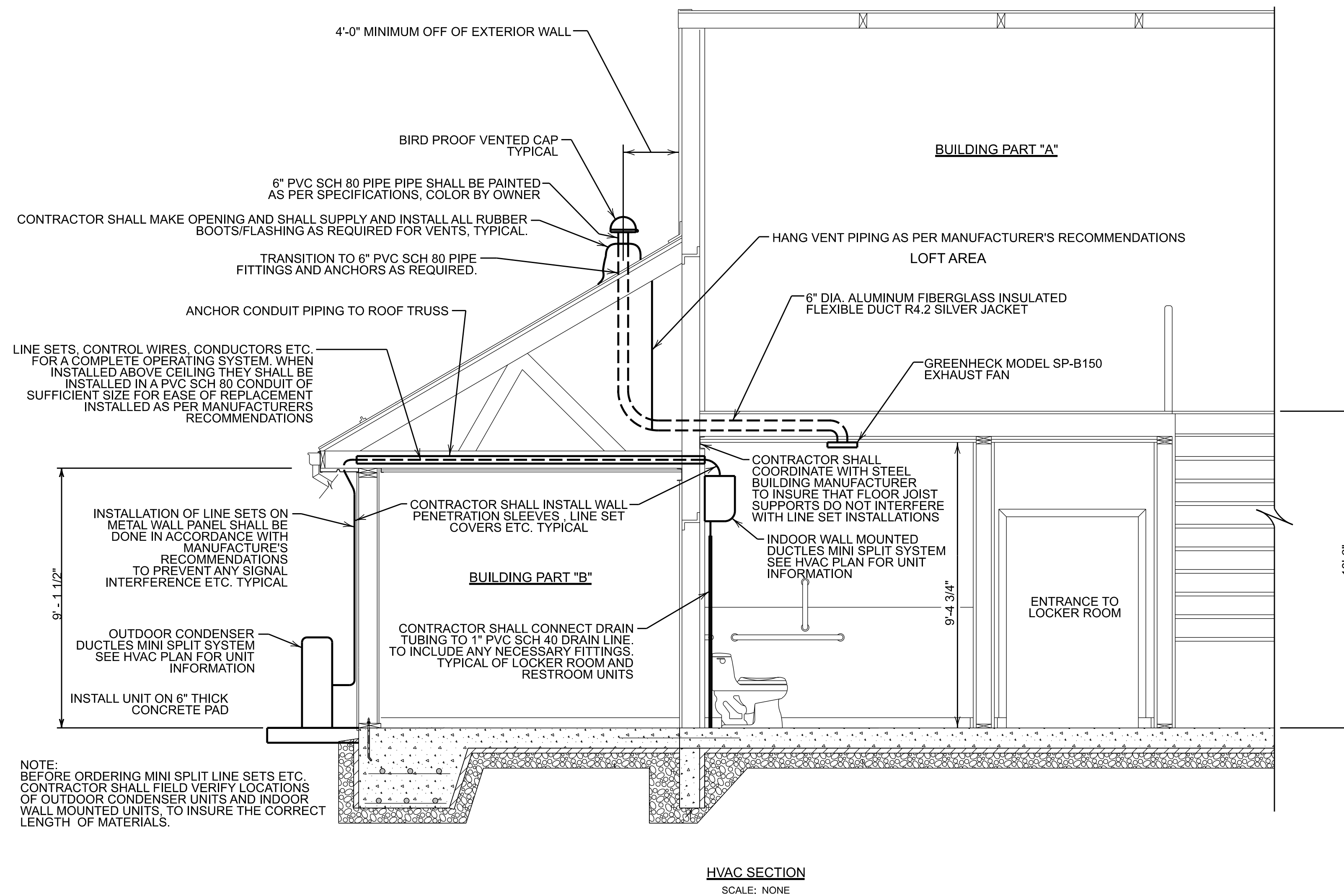
NO.	DATE	DESCRIPTION

WIDMER ENGINEERING, INC.
 806 LINCOLN PLACE, BEAVER FALLS, PA 15010

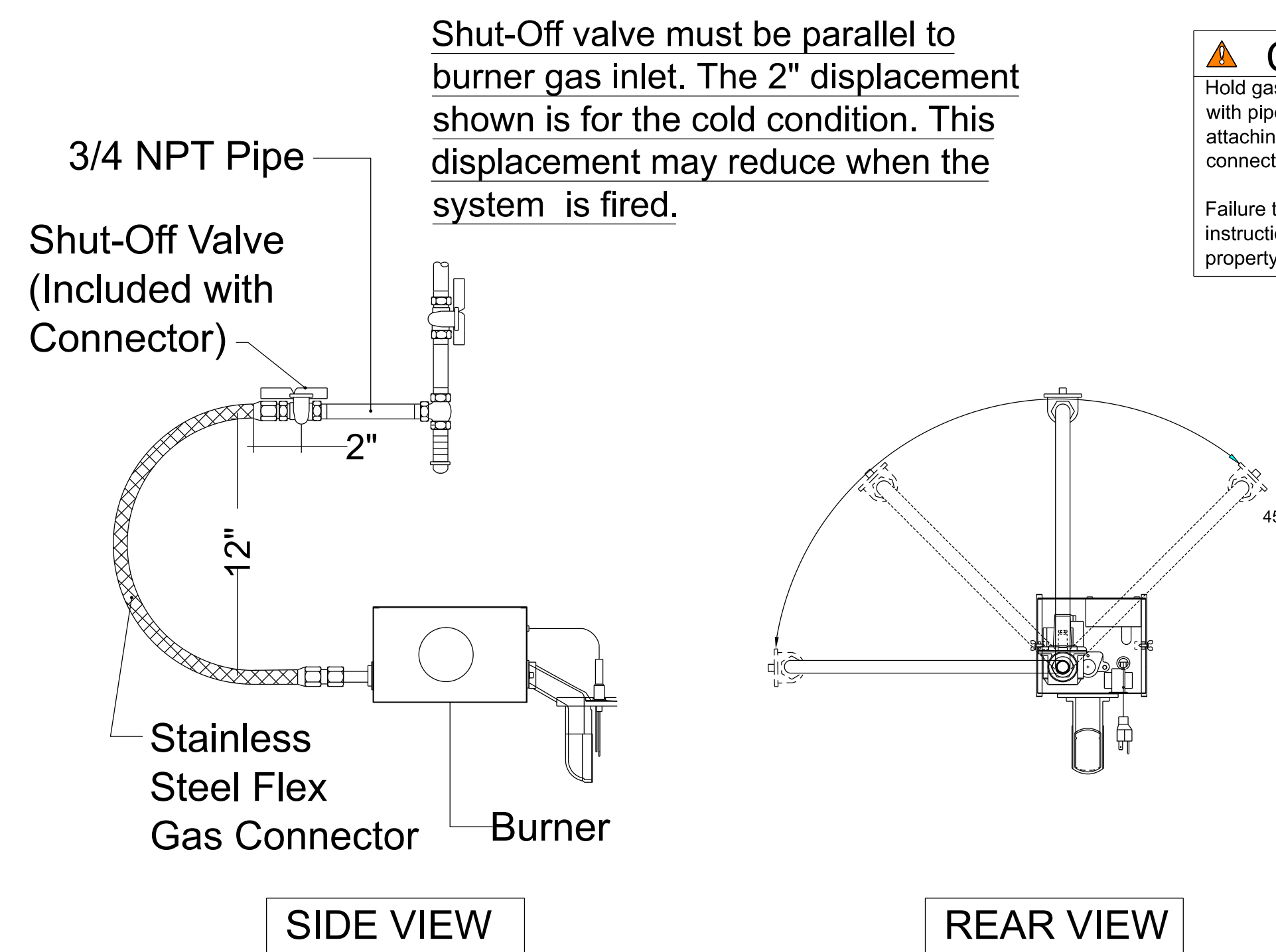
BEAVER COUNTY EMERGENCY SERVICES PROPOSED BUILDING ADDITION
 BEAVER COUNTY, PENNSYLVANIA

PROJECT #: 25659 / 25052
 FIELD BOOK #:
 DRAWN: VJE
 CHECKED: KLB
 DATE: FEBRUARY 2026
 SCALE: AS NOTED
 SHEET NUMBER 14 OF 19

CONTACT PERSON:
 TONY F. SADAKA P.E.
 WIDMER ENGINEERING, INC.
 806 LINCOLN PLACE,
 BEAVER FALLS, PA 15010
 PHONE: 724-847-1696



GAS CONNECTION DETAIL (CORAYVAC)



SCALE: NOT TO SCALE

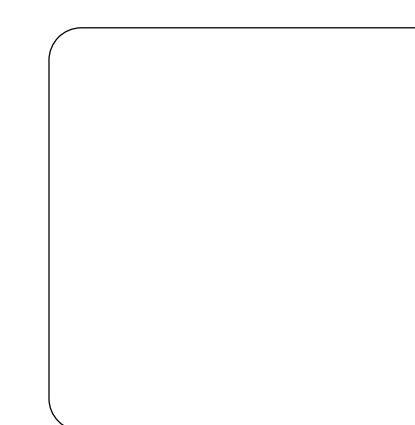
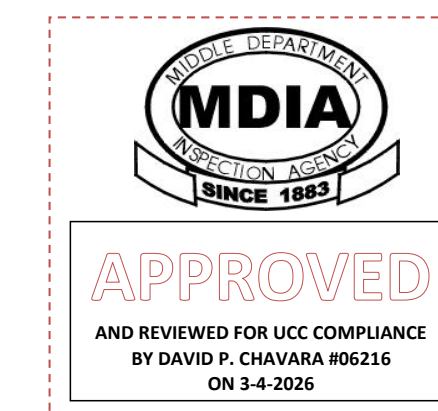
CAUTION

Hold gas line securely with pipe wrench when attaching the flex gas connector.

Failure to follow these instructions will result in property damage.

GENERAL NOTES...

- Gas pipe work must be installed and tested in accordance with United States ANSI Z 223.1/NFPA 54 latest addition and Canada-CSA-B149.1
- a) Install the flex gas connector as shown. The flex gas connector accommodates expansion of the heating system and allows for easy installation and service of the burner.
 - b) Shut-Off Valve must be parallel to burner inlet. The 2" (5cm) displacement shown is for the cold condition. This displacement may reduce when the system is fired.



REGISTERED PROFESSIONAL ENGINEER
KERRY LOUIS BELL
PE 000209
PENNSYLVANIA

REVISIONS	TYPE	DATE	BY	CHK

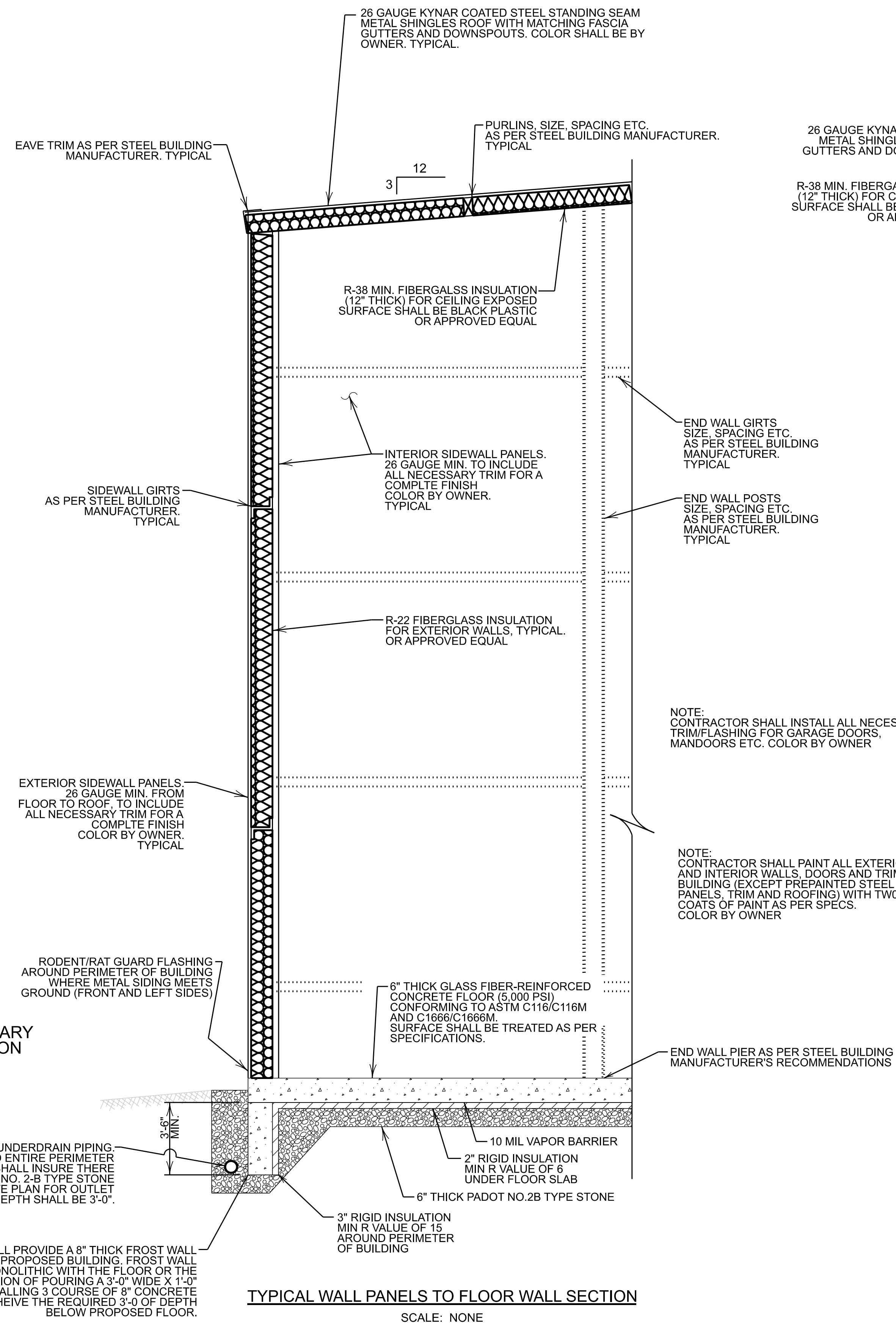
WE
WIDMER ENGINEERING
INC.
806 LINCOLN PLACE, BEAVER FALLS, PA 15010

HVAC SECTION AND DETAILS
BEAVER COUNTY EMERGENCY SERVICES
PROPOSED BUILDING ADDITION
SITING IN:
BEAVER COUNTY, PENNSYLVANIA

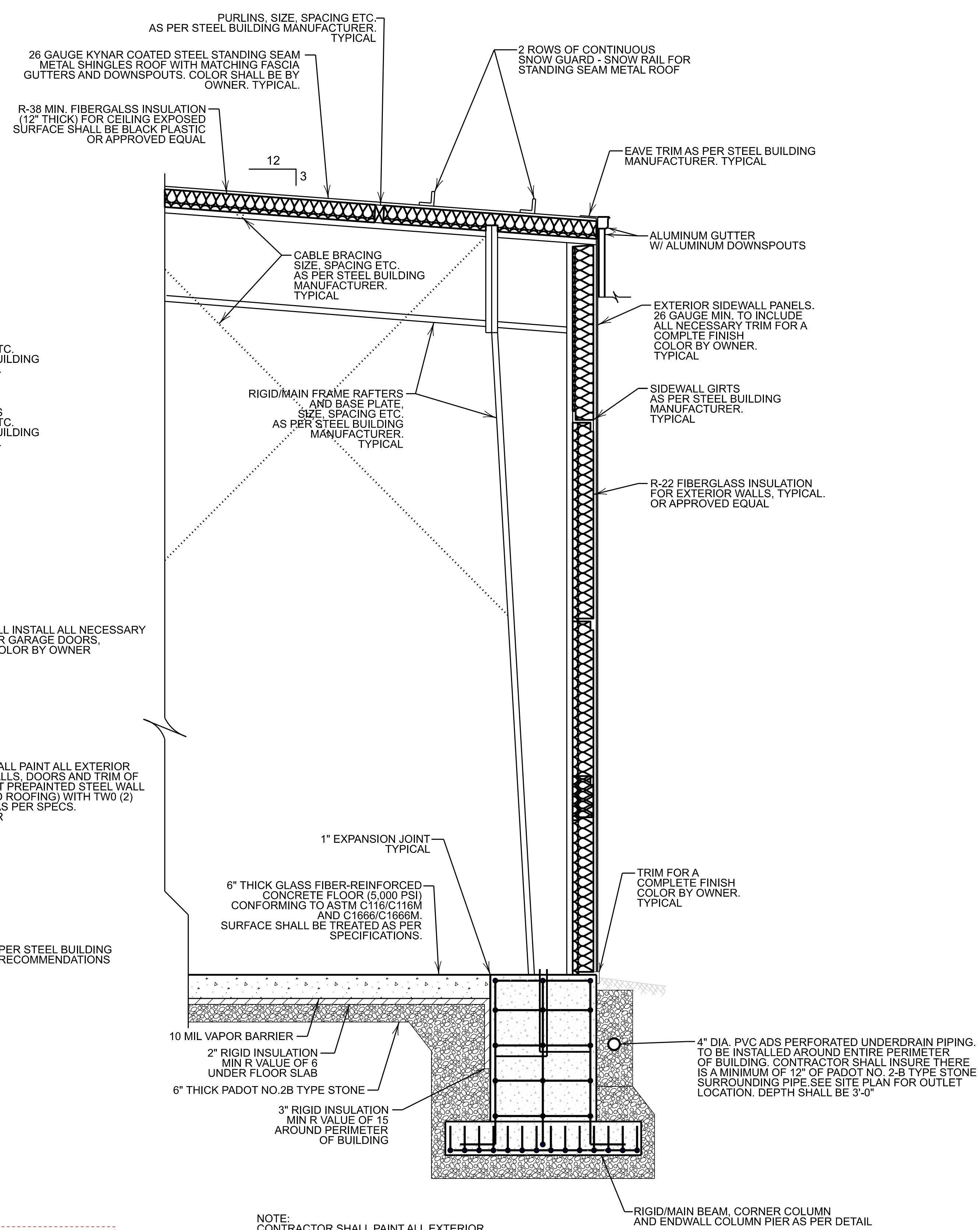
PROJECT #:	25659 / 25052
FIELD BOOK #:	
DRAWN:	VJE
CHECKED:	KLB
DATE:	FEBRUARY 2026
SCALE:	AS NOTED

SHEET NUMBER
15 OF 19

CONTACT PERSON:
TONY F. SADAKA P.E.
WIDMER ENGINEERING, INC.
806 LINCOLN PLACE
BEAVER FALLS, PA 15010
PHONE: 724-847-1696



TYPICAL WALL PANELS TO FLOOR WALL SECTION
SCALE: NONE



TYPICAL SECTION @ RIGID/MAIN BEAM
SCALE: NONE

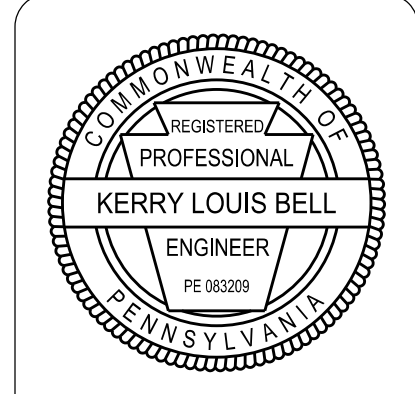
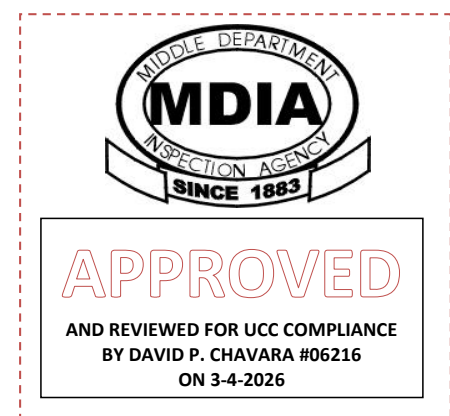
NOTE:
CONTRACTOR SHALL PROVIDE AND INSTALL ANY NECESSARY ROOFING COMPONENTS FOR THE COMPLETE INSTALLATION OF THE METAL SHINGLE ROOF. TYPICAL

4\"/>

CONTRACTOR SHALL PROVIDE A 8\"/>

NOTE:
PROPOSED 80'-0\"/>

NOTES:
1.) ALL WORK SHALL COMPLY WITH THE 2018 INTERNATIONAL BUILDING CODE



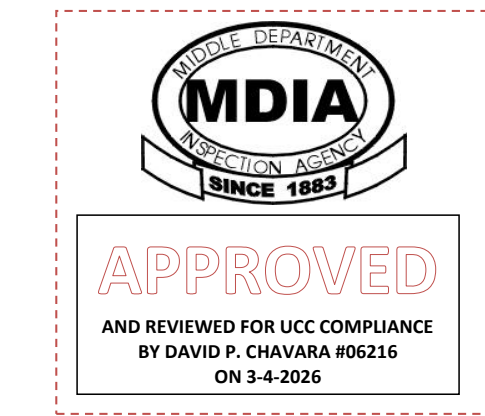
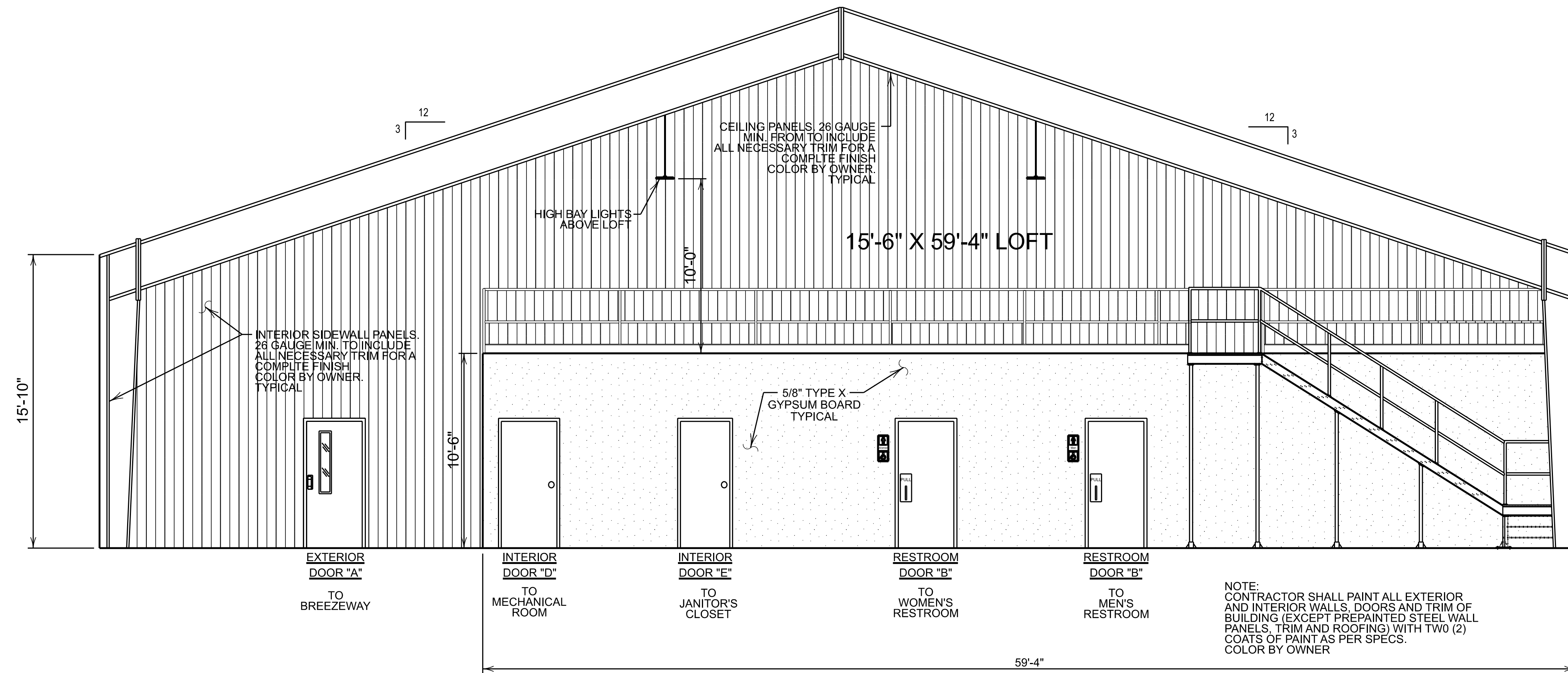
REVISIONS	DATE	BY	CHK

PREPARED BY: **WE** WIDMER ENGINEERING INC.
806 LINCOLN PLACE, BEAVER FALLS, PA 15010

BUILDING WALL SECTIONS
BEAVER COUNTY EMERGENCY SERVICES
PROPOSED BUILDING ADDITION
SITUATE IN: BEAVER COUNTY, PENNSYLVANIA

PROJECT #:	25659 / 25052
FIELD BOOK #:	
DRAWN:	VJE
CHECKED:	KLB
DATE:	FEBRUARY 2026
SCALE:	AS NOTED

CONTACT PERSON:
TONY F. SADAKA P.E.
WIDMER ENGINEERING, INC.
806 LINCOLN PLACE
BEAVER FALLS, PA 15010
PHONE: 724-847-1696



GARAGE DOOR NOTES:
 1. ALL COLORS SHALL BE BY OWNER.
 2. OVERHEAD GARAGE DOORS SHALL BE THERMACORE INSULATED DOORS, SERIES 591, AS MANUFACTURED/SUPPLIED BY THE OVERHEAD DOOR CO. OF PITTSBURGH AND AS SPECIFIED BELOW:

SIZES: 14' - 0" (W) X 14' - 0" (H); QUANTITY = 7
 COLOR: EXTERIOR (BY OWNER), INTERIOR (BY OWNER)
 PANEL THICKNESS: 1" (EXTERIOR STEEL THICKNESS = .016")
 INSULATION: RIGID FOAMED-IN-PLACE, R-VALUE = 14.86
 OPERATOR: AS PER MANUFACTURER'S RECOMMENDATIONS, 115 V, SINGLE PHASE
 TRACK: 2" STANDARD WITH SUPPORT ANGLES AS REQUIRED.

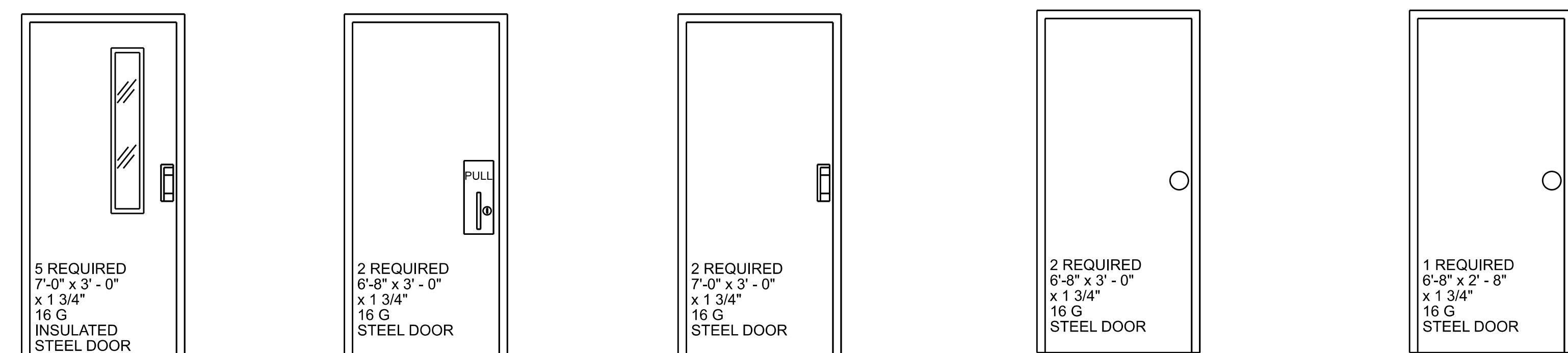
REQUIRED OPTIONS:
 - PUSH-BUTTON CONTROL STATION
 - RADIO RECEIVER WITH 3 CHANNEL TRANSMITTER
 - PNEUMATIC BOTTOM SENSING EDGE
 - THERMAL GLAZING (3 PER DOOR)
 - FLEXIBLE VINYL JAMB SEAL

GENERAL CONTRACTOR SHALL SUPPLY 2" X 12" LUMBER FRAMING OR AS REQUIRED AROUND EACH DOOR OPENING FOR MOUNTING DOOR TRACK, ETC.

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

Provide Handrails on both sides of the Stairway per IBC Section 1011.11.

The Open Risers on the stairway shall not exceed 4" per IBC Section 1011.5 - see Exception 1.



EXTERIOR DOOR "A"
 5 REQUIRED
 7'-0" x 3' - 0"
 x 1 3/4"
 16 G
 INSULATED
 STEEL DOOR
 WITH THRESHOLD, 6" x 3' - 0"
 LITE "M.A.L." DESIGN" TRIM
 DOOR CLOSER: DOR-O-MATIC SC-61 SERIES WITH COVER
 DOOR HANDLE: MORTISE LOCK DEVICE NT MONARCH F-17-M & SERIES 19 L-CONTROL WITH LOCK CYLINDER

RESTROOM DOOR "B"
 2 REQUIRED
 6'-8" x 3' - 0"
 x 1 3/4"
 16 G
 STEEL DOOR
 WITH THRESHOLD, 6" x 3' - 0"
 LITE "M.A.L." DESIGN" TRIM
 DOOR CLOSER: DOR-O-MATIC SC-61 SERIES WITH COVER
 DOOR HANDLE: PUSH/PULL WITH DEADBOLT

EXTERIOR DOOR "C"
 2 REQUIRED
 7'-0" x 3' - 0"
 x 1 3/4"
 16 G
 STEEL DOOR
 WITH THRESHOLD, 6" x 3' - 0"
 LITE "M.A.L." DESIGN" TRIM
 DOOR CLOSER: DOR-O-MATIC SC-61 SERIES WITH COVER
 DOOR HANDLE: MORTISE LOCK DEVICE NT MONARCH F-17-M & SERIES 19 L-CONTROL WITH LOCK CYLINDER

INTERIOR DOOR "D"
 2 REQUIRED
 6'-8" x 3' - 0"
 x 1 3/4"
 16 G
 STEEL DOOR
 WITH THRESHOLD, 6" x 3' - 0"
 LITE "M.A.L." DESIGN" TRIM
 DOOR CLOSER: DOR-O-MATIC SC-61 SERIES WITH COVER
 DOOR HANDLE: MORTISE LOCK DEVICE NT MONARCH F-17-M & SERIES 19 L-CONTROL WITH LOCK CYLINDER

INTERIOR DOOR "E"
 1 REQUIRED
 6'-8" x 2' - 8"
 x 1 3/4"
 16 G
 STEEL DOOR
 WITH THRESHOLD, 6" x 2' - 8"
 LITE "M.A.L." DESIGN" TRIM
 DOOR CLOSER: DOR-O-MATIC SC-61 SERIES WITH COVER
 DOOR HANDLE: MORTISE LOCK DEVICE NT MONARCH F-17-M & SERIES 19 L-CONTROL WITH LOCK CYLINDER

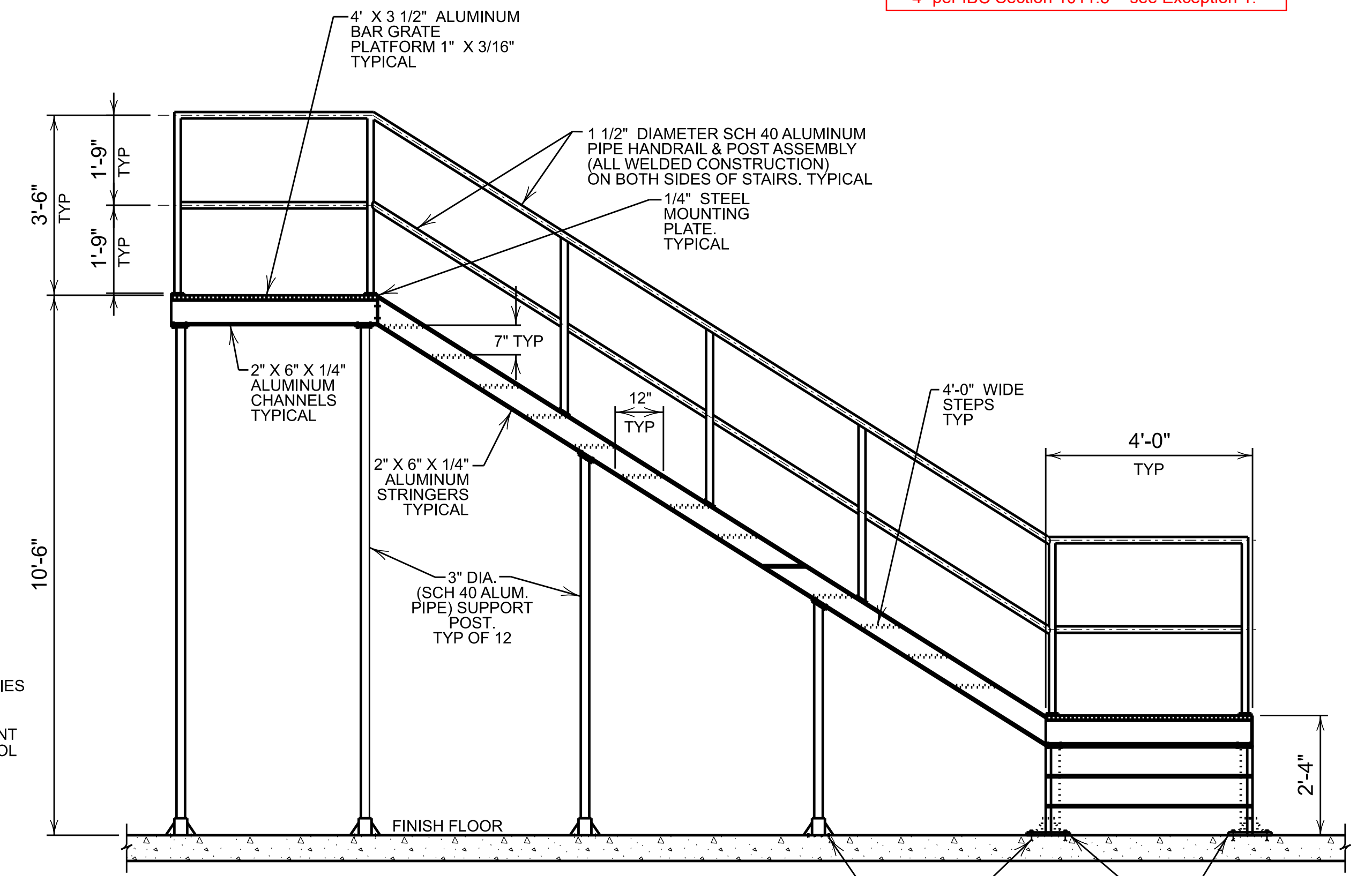
NOTES ON DOORS, FRAMES, AND TRIM:

- CHECK PLANS FOR DOOR SWINGS.
- ALL TRIM SHALL BE STAINLESS STEEL AS MANUFACTURED BY STEELCRAFT, INC. OR SARGENT.
- ALL DOORS & FRAMES TO BE PRIME-COATED & AS MANUFACTURED BY STEELCRAFT, INC. FRAMES SHALL BE 14 GAUGE HOT-DIPPED GALVANIZED (BOTH SIDES). GENERAL CONTRACTOR TO FINISH WITH 2 COATS OF APPROVED ENAMEL.
- PUSH AND PULL DOOR PLATES SHALL BE LABELED PUSH/PULL ACCORDINGLY
- PROVIDE ADDITIONAL FRAMING AS REQUIRED FOR OPENINGS

NOTE:
 ALL EXTERIOR DOORS SHALL HAVE PANICK BARS

DOOR ELEVATIONS
 NO SCALE

NOTE:
 PROPOSED 80'-0" X 120'-0" PRE MANUFACTURED STEEL BUILDING STEEL BUILDING MANUFACTURER IS REQUIRED TO SUBMIT CERTIFIED STAMPED ENGINEERING DRAWINGS FOR STRUCTURAL DESIGN. DESIGN TO MEET 2018 INTERNATIONAL BUILDING CODE. WIND BRACING AS PER 2018 INTERNATIONAL BUILDING CODE

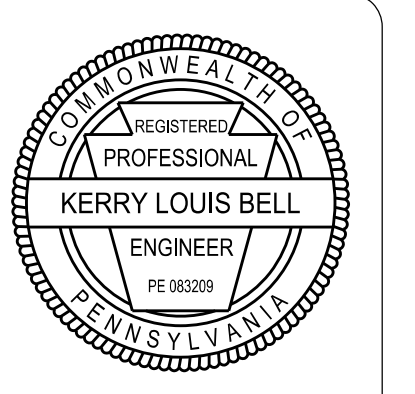


STAIRS/PLATFORM NOTES:
 1.) ALL MATERIAL SHALL BE ALUMINUM WITH WELDED CONSTRUCTION UNLESS NOTED OTHERWISE.

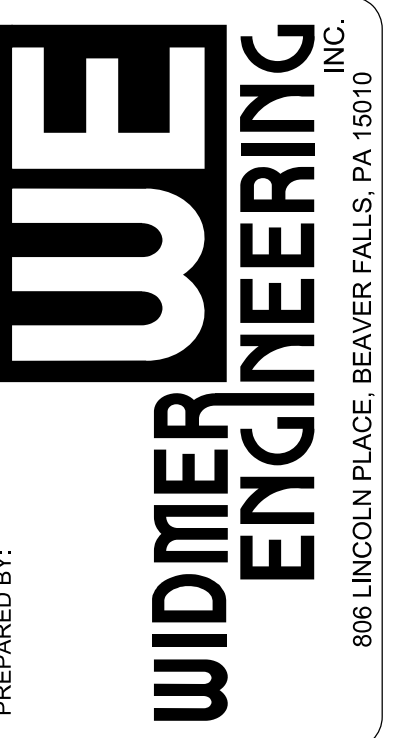
2.) CONTRACTOR SHALL VERIFY ALL DIMENSIONS

PROVIDE 4" LONG 3/8" DIA. STAINLESS STEEL CONCRETE WEDGE ANCHOR BOLTS WITH NUTS & WASHERS, TYP OF ALL STRINGER AND POST LOCATIONS)

STAIR DETAILS
 SCALE: NONE



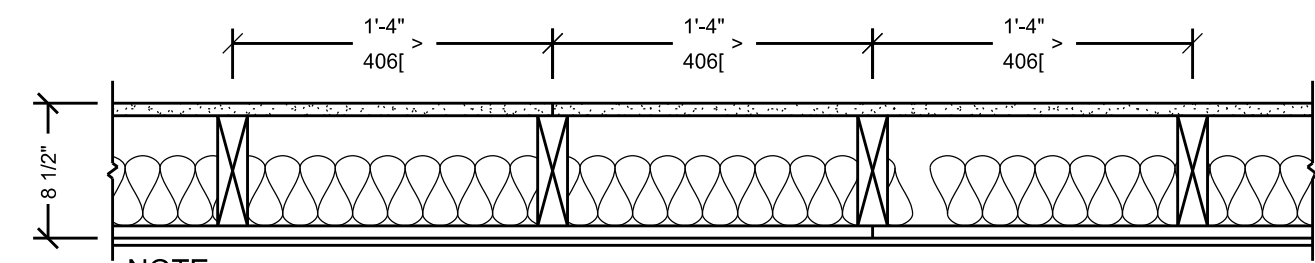
REVISIONS	DATE	BY	CHK



BUILDING SECTION "A-A" AND DETAILS
 BEAVER COUNTY EMERGENCY SERVICES
 PROPOSED BUILDING ADDITION
 BEAVER COUNTY, PENNSYLVANIA

PROJECT #:	25659 / 25052
FIELD BOOK #:	
DRAWN:	VJE
CHECKED:	KLB
DATE:	FEBRUARY 2026
SCALE:	AS NOTED

CONTACT PERSON:
 TONY F. SADAKA P.E.
 WIDMER ENGINEERING, INC.
 806 LINCOLN PLACE
 BEAVER FALLS, PA 15010
 PHONE: 724-847-1696

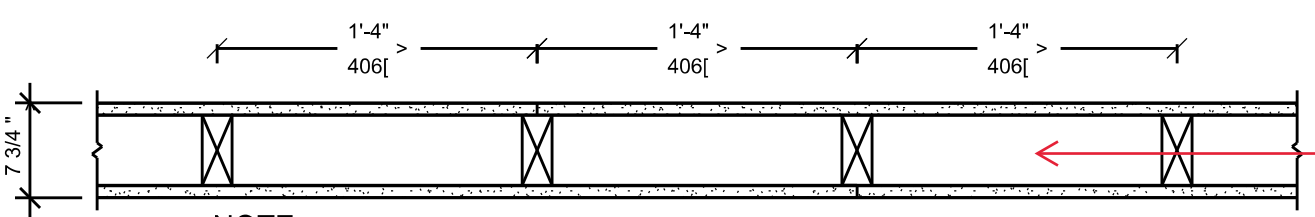


NOTE:
SEE UL U305
FIRE RATING: 1 HOUR

- ✗ 2x6 WOOD STUD ON 16" CENTERS
- ✗ INTERIOR OF WALL SHALL RECEIVE 1 LAYERS OF 5/8" DRYWALL GYPSUM PANEL TYPE X
- ✗ 6 1/4" BATT INSULATION IN CAVITY

WALL DETAIL FOR EXTERIOR OF BUILDING PART "B"

SCALE : NOT TO SCALE



NOTE:
SEE UL U305
FIRE RATING: 1 HOUR

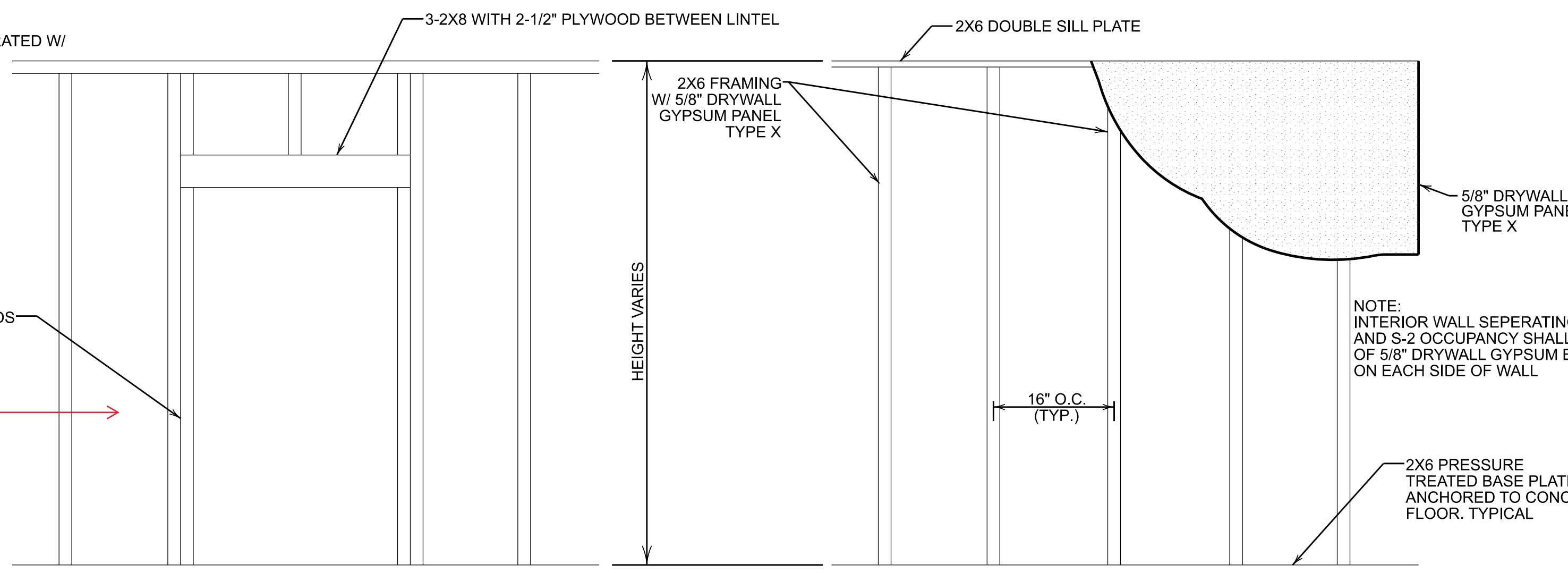
- ✗ 2x6 WOOD STUD ON 16" CENTERS
- ✗ INTERIOR OF WALL SHALL BE 5/8" DRYWALL GYPSUM PANEL TYPE X
- ✗ EXTERIOR OF WALL SHALL BE 5/8" DRYWALL GYPSUM PANEL TYPE X
- ✗ 6 1/4" BATT INSULATION OPTIONAL

INTERIOR WALL DETAIL

SCALE : NOT TO SCALE

NOTE:

1. ALL BUILDING PART "B" EXTERIOR WALLS TO BE 1-HOUR FIRE RATED W/ A LAYER OF TYPE X GYPSUM BOARD ON INTERIOR WALL
2. ENSURE LAYERED GYPSUM BOARD JOINTS ARE STAGGERED
3. CAULK TOPS, BOTTOMS, AND AROUND ANY PENETRATIONS WITH AN APPROVED FIRE-RATED SEALANT



INTERIOR DOOR FRAMING DETAIL

SCALE: NTS

INTERIOR WALL FRAMING DETAIL

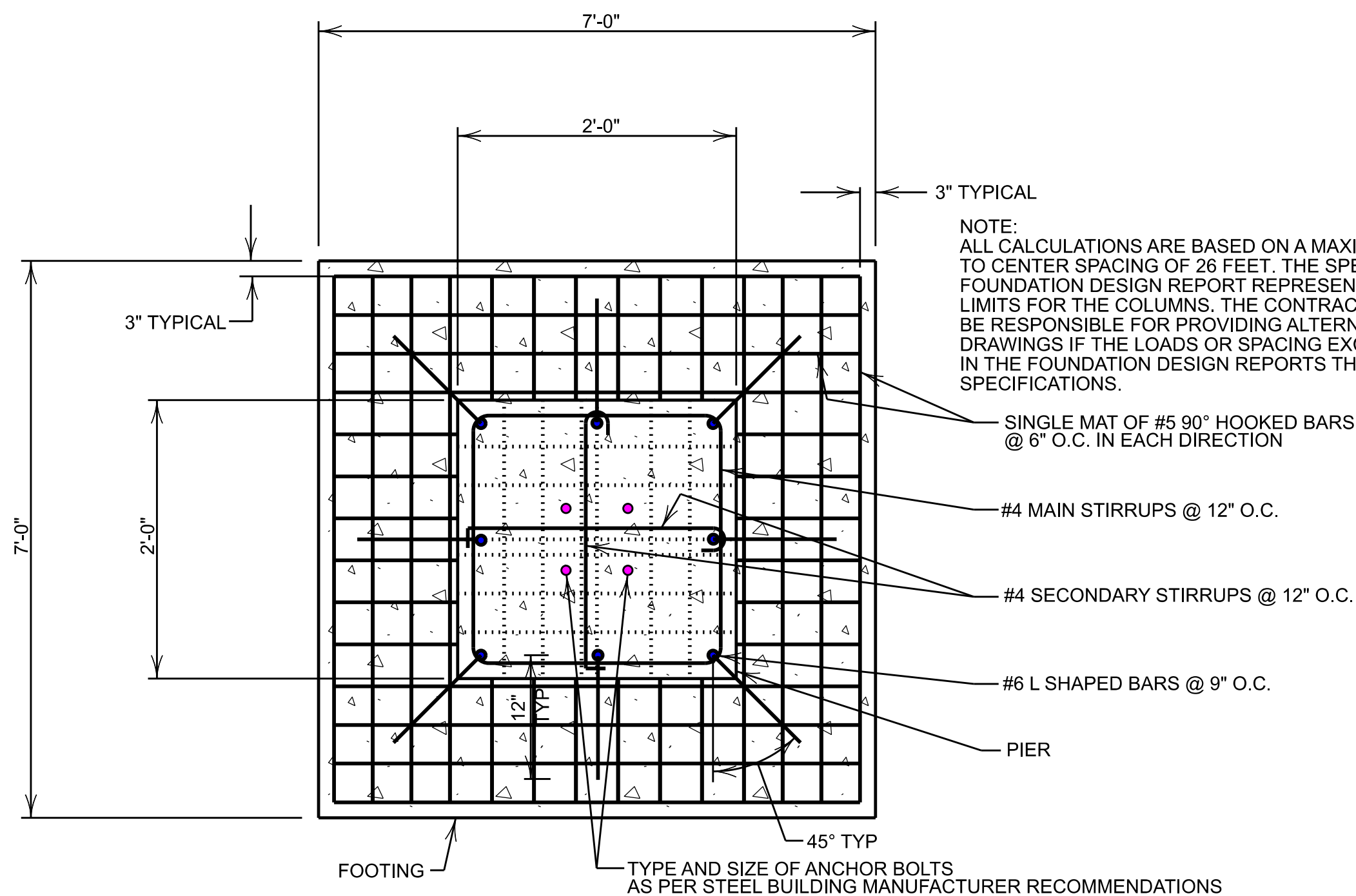
SCALE: NTS

✗ The use of combustible materials for the construction of the interior non-bearing partition walls where the Fire-Resistance-Rating is 2 hour or less shall be of Fire-Retardant-Treated Wood per IBC Section 603.1.

NOTE:
INTERIOR WALL SEPERATING S-1 OCCUPANCY AND S-2 OCCUPANCY SHALL HAVE 2 LAYERS OF 5/8" DRYWALL GYPSUM BOARD TYPE X ON EACH SIDE OF WALL

NOTE:
INTERIOR WALL SEPERATING S-1 OCCUPANCY AND S-2 OCCUPANCY SHALL HAVE 2 LAYERS OF 5/8" DRYWALL GYPSUM BOARD TYPE X ON EACH SIDE OF WALL

2X6 PRESSURE TREATED BASE PLATE ANCHORED TO CONCRETE FLOOR. TYPICAL



NOTE:
ALL CALCULATIONS ARE BASED ON A MAXIMUM COLUMN CENTER TO CENTER SPACING OF 26 FEET. THE SPECIFIED LOADS IN THE FOUNDATION DESIGN REPORT REPRESENT THE MAXIMUM DESIGN LIMITS FOR THE COLUMNS. THE CONTRACTOR/FABRICATOR SHALL BE RESPONSIBLE FOR PROVIDING ALTERNATE STAMPED FOOTING DRAWINGS IF THE LOADS OR SPACING EXCEED THE VALUES LISTED IN THE FOUNDATION DESIGN REPORTS THAT ARE INCLUDED IN THE SPECIFICATIONS.

SINGLE MAT OF #5 90° HOOKED BARS @ 6" O.C. IN EACH DIRECTION

#4 MAIN STIRRUPS @ 12" O.C.

#4 SECONDARY STIRRUPS @ 12" O.C.

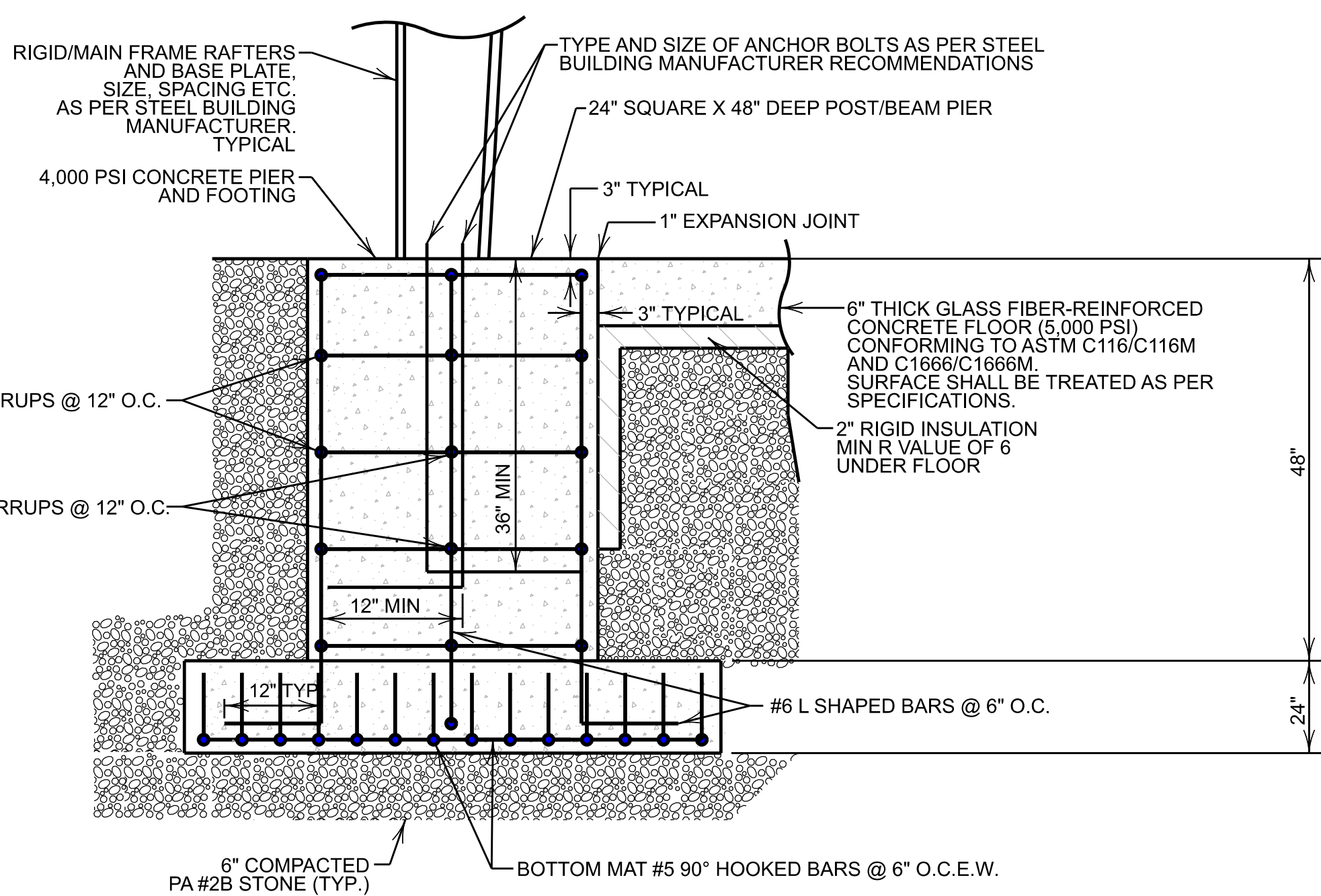
#6 L SHAPED BARS @ 9" O.C.

PIER

TYPE AND SIZE OF ANCHOR BOLTS AS PER STEEL BUILDING MANUFACTURER RECOMMENDATIONS

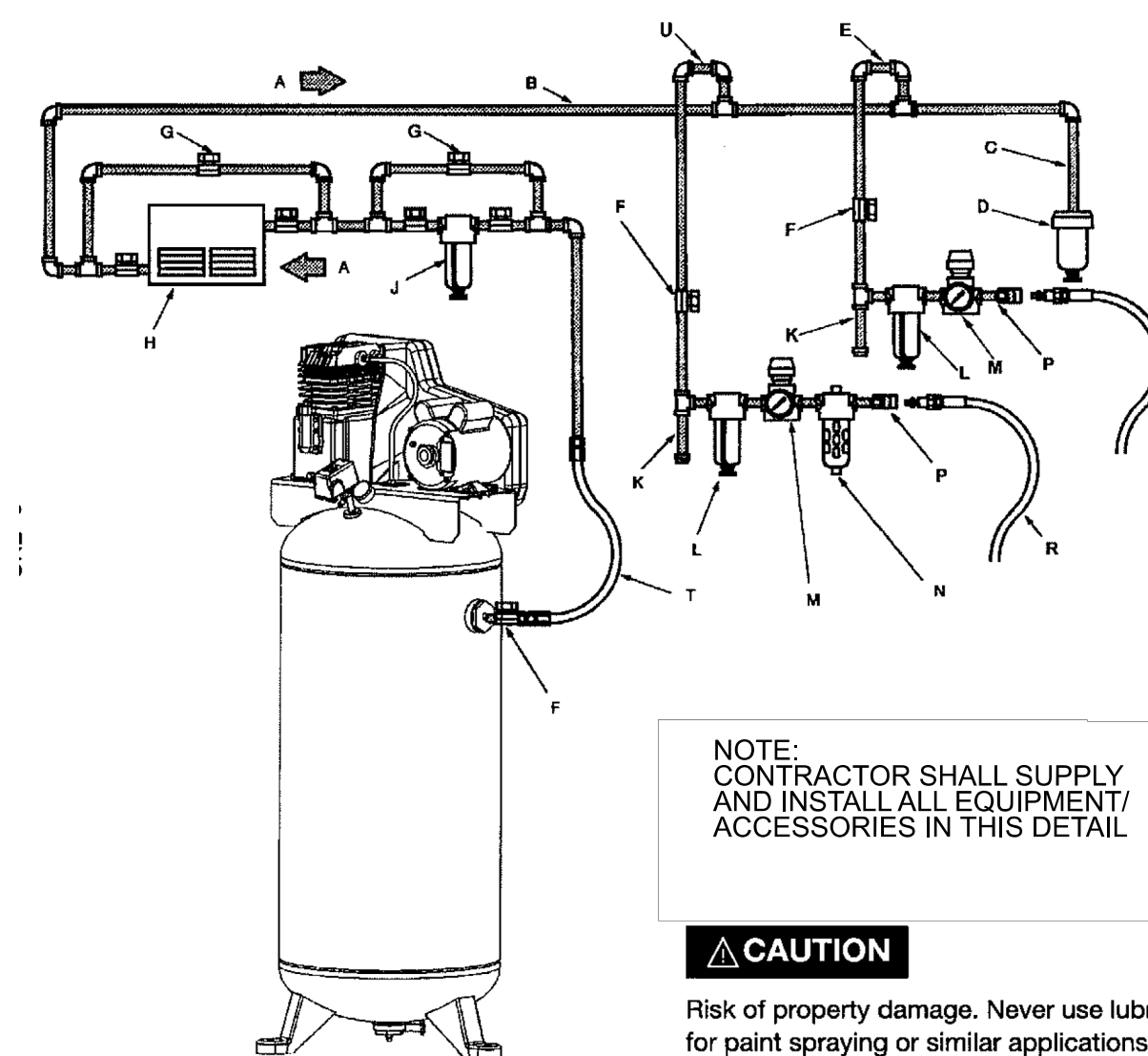
RIGID MAIN BEAM, CORNER COLUMN AND ENDWALL COLUMN PLAN DETAIL

SCALE: NONE



RIGID MAIN BEAM, CORNER COLUMN AND ENDWALL COLUMN PIER DETAIL

SCALE: NONE



- A Air flow
- B Feeder line
- C Drain leg
- D Moisture trap with drain
- E Non-lubricated supply line
- F 1/4 turn valve
- G Bypass
- H Air dryer or aftercooler
- J Line filter
- K Drip tee with drain
- L Air/water filter with petcock
- M Regulator
- N Lubricator
- P Quick coupler
- R Air hose to tool
- T Flexible air line
- U Lubricated supply line

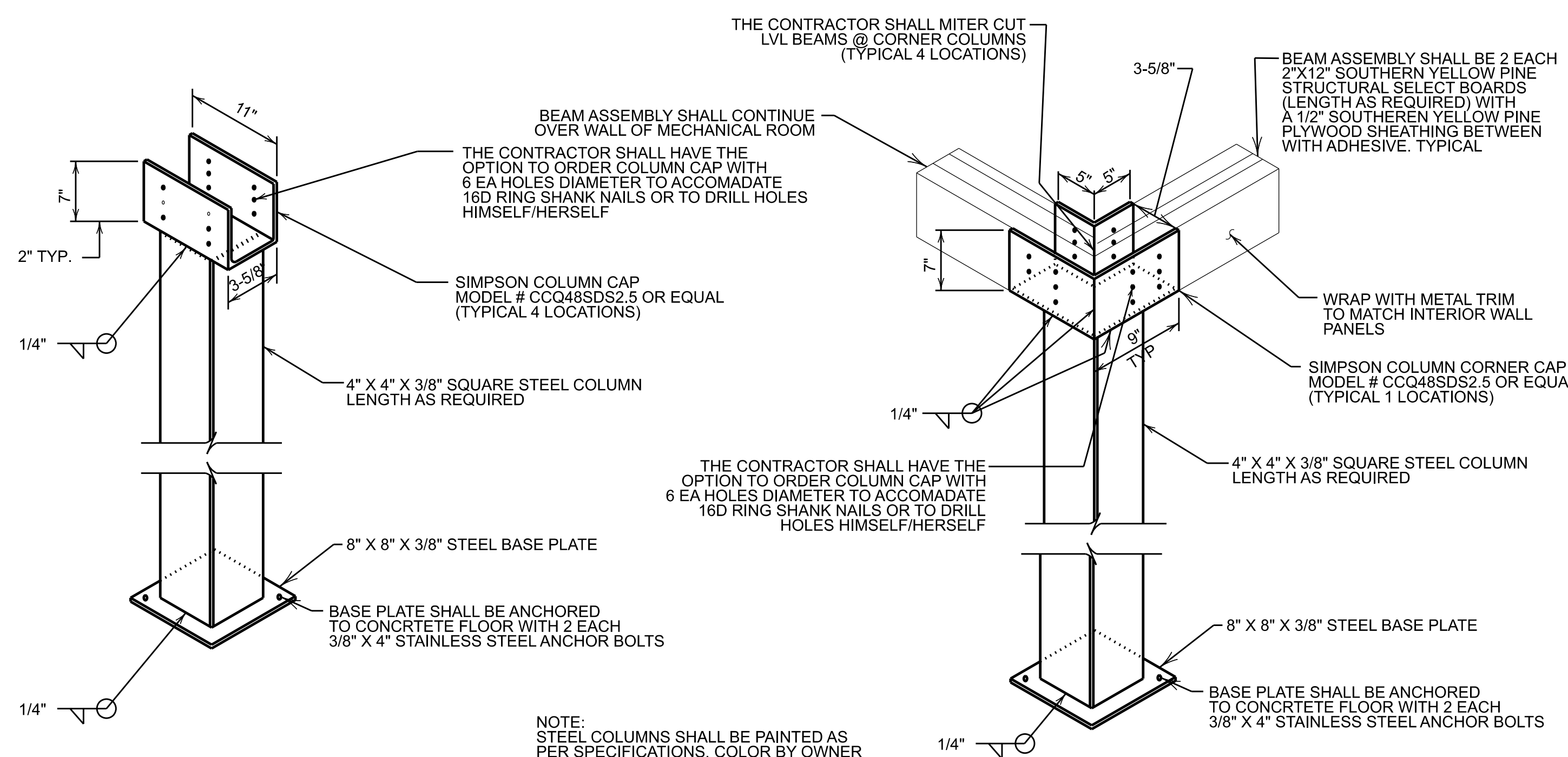
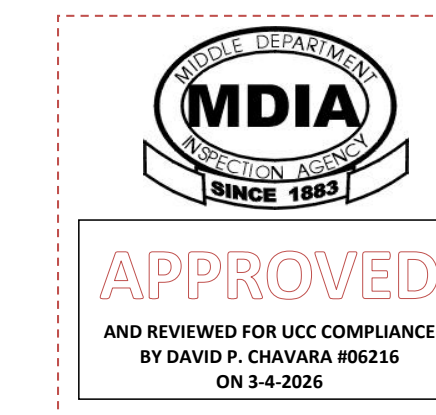
NOTE:
CONTRACTOR SHALL SUPPLY AND INSTALL ALL EQUIPMENT/ ACCESSORIES IN THIS DETAIL

CAUTION

Risk of property damage. Never use lubricator for paint spraying or similar applications.

TYPICAL AIR PIPING AND ACCESSORIES INSTALLATION DETAIL

SCALE: NTS



COLUMN DETAIL

SCALE: N.T.S.

COLUMN DETAIL - CORNER

SCALE: N.T.S.

NOTE:
STEEL COLUMNS SHALL BE PAINTED AS PER SPECIFICATIONS. COLOR BY OWNER

CONTACT PERSON:
TONY F. SADAKA P.E.
WIDMER ENGINEERING, INC.
806 LINCOLN PLACE,
BEAVER FALLS, PA 15010
PHONE: 724-847-1696

PROFESSIONAL ENGINEER
KERRY LOUIS BELL
PE #00209
PENNSYLVANIA

REVISIONS
DATE
BY
CHK

WIDMER ENGINEERING
INC.
806 LINCOLN PLACE, BEAVER FALLS, PA 15010

FRAMING AND MISCELLANEOUS DETAILS
BEAVER COUNTY EMERGENCY SERVICES
PROPOSED BUILDING ADDITION
SITING IN:
BEAVER COUNTY, PENNSYLVANIA

PROJECT #: 25659 / 25052
FIELD BOOK #:
DRAWN: VJE
CHECKED: KLB
DATE: FEBRUARY 2026
SCALE: AS NOTED

SHEET NUMBER
19 OF 19

COMPLIANCE NOTES:
1.) CONSTRUCTION OF THIS BUILDING SHALL COMPLY WITH THE 2018 INTERNATIONAL BUILDING CODE.

BEAVER COUNTY BOARD OF COMMISSIONERS

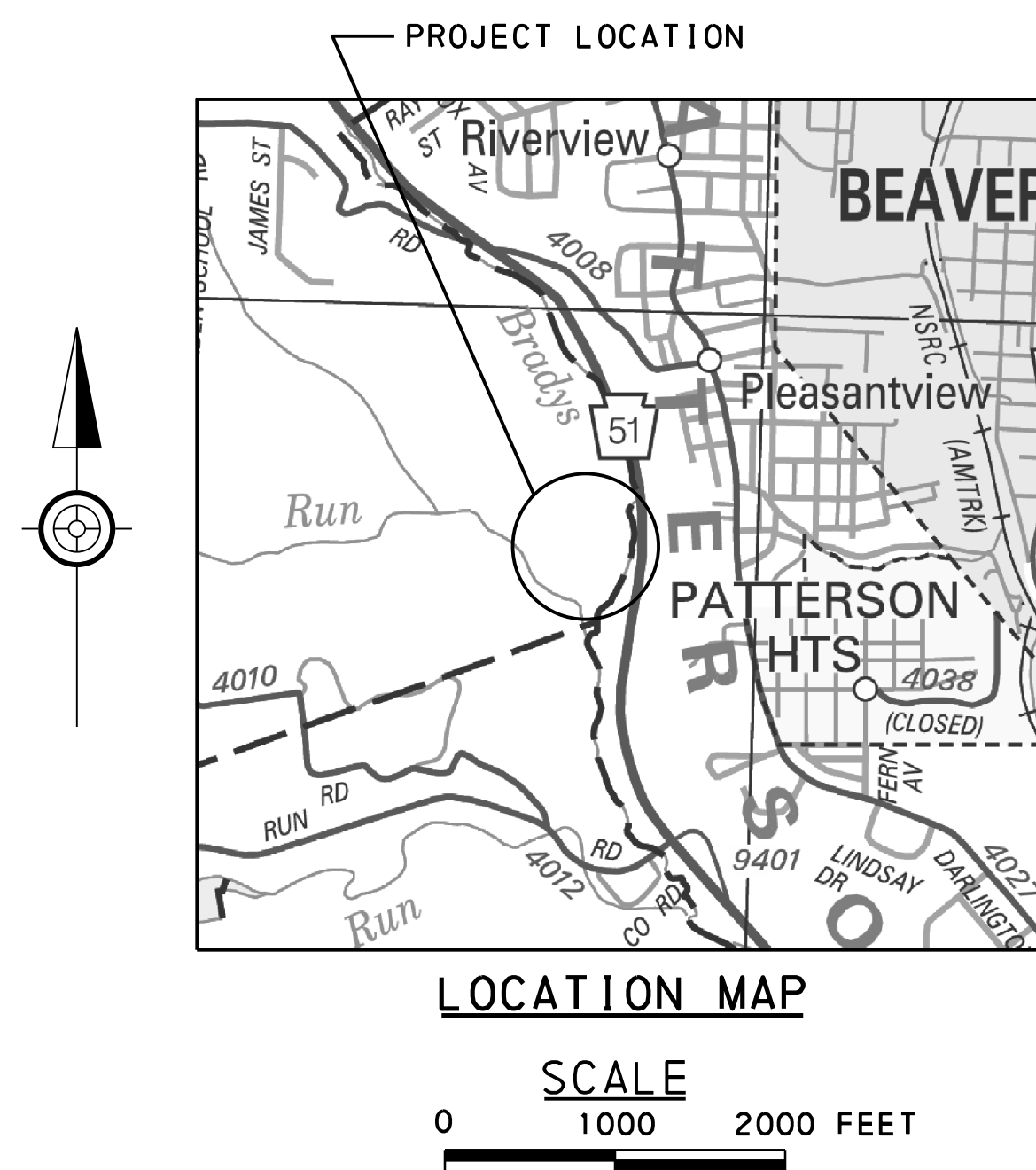
810 3RD STREET

BEAVER, PA 15009

BEAVER COUNTY EMERGENCY SERVICES

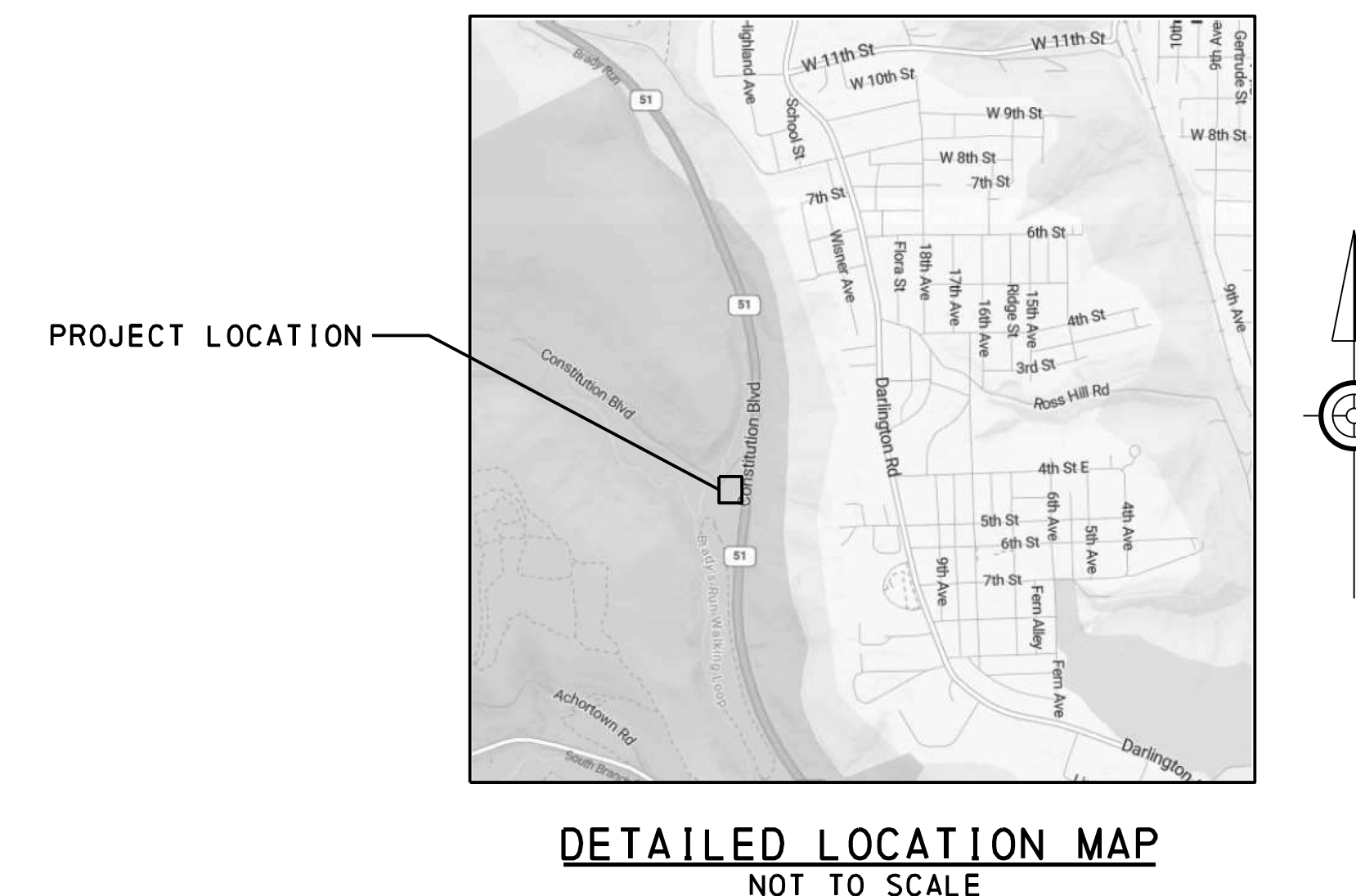
PROPOSED BUILDING ADDITION

FEBRUARY, 2026



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PCSM1	PCMS EXISTING CONDITIONS PLAN
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ALSO INCLUDES - BUILDING PLANS



COMPANY: BEAVER FALLS MUNI AUTHORITY
ADDRESS: 1425 8TH AVE
PO BOX 400
BEAVER FALLS, PA. 15010
CONTACT: JUSTIN WOOD
EMAIL: JUSTINW@BFWATER.INFO
PHONE: 724-987-8757

SANITARY AUTHORITY
ADDRESS: 701 CONSTITUTION BLVD
BEAVER FALLS, PA. 15010
CONTACT: TODD BEATTY
EMAIL: wwtp@bradysrunsa.com
PHONE: 724-846-3820

UTILITY INFORMATION
PA ONE CALL SN #20250861569
COMPANY: DUQUESNE LIGHT COMPANY
ADDRESS: 2645 NEW BEAVER AVE
PA- TD
PITTSBURGH, PA. 15233
CONTACT: KYLIE PARISON
EMAIL: KPARISON@DUQLIGHT.COM
PHONE: 412-393-2927

COMPANY: PATTERSON TOWNSHIP/PATTERSON
TOWNSHIP MUNICIPAL AUTHORITY
ADDRESS: 1600 19TH AVE
BEAVER FALLS, PA. 15010
CONTACT: CHRISTIN MILNES
EMAIL: c.milnes@pattersontpw.com
PHONE: 724-843-8339

COMPANY: PENNSYLVANIA ELECTRIC CO
ADDRESS: 21 S MAIN STREET
AKRON, OH. 44308
CONTACT: MELLYSSA ADAMS
EMAIL: madams@firstenergycorp.com
PHONE: 330-604-4073

Pennsylvania811

CALL BEFORE YOU DIG!

PENNSYLVANIA LAW REQUIRES LINE AND FACILITY INFORMATION REQUESTS BE MADE NOT LESS THAN 10 NOR MORE THAN 90 BUSINESS DAYS BEFORE FINAL DESIGN IS TO BE COMPLETED, AND NOT LESS THAN 3 NOR MORE THAN 10 BUSINESS DAYS IN ADVANCE OF BEGINNING EXCAVATION OR DEMOLITION WORK.

8-1-1
(INSIDE PENNSYLVANIA)
1-800-242-1776
(OUTSIDE PENNSYLVANIA)

PENNSYLVANIA ONE CALL SYSTEM, INC.

REVISIONS	DATE	TYPE	BY	CHK

PREPARED BY:

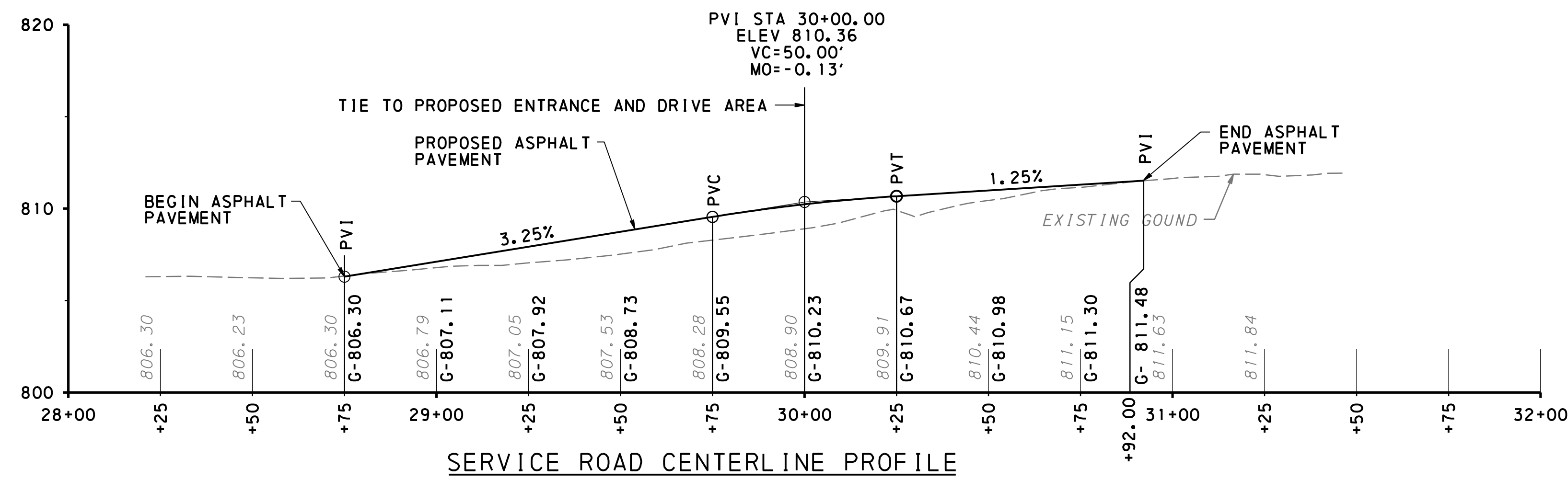
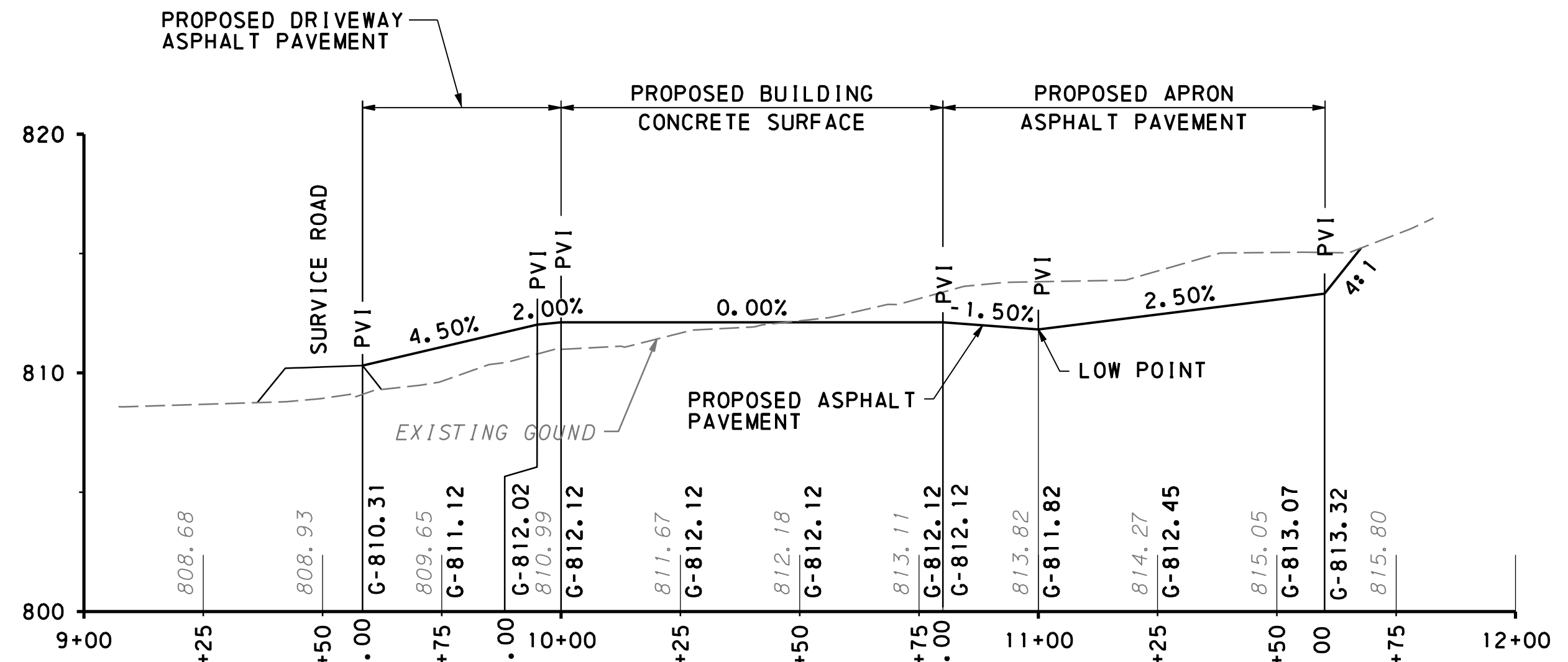
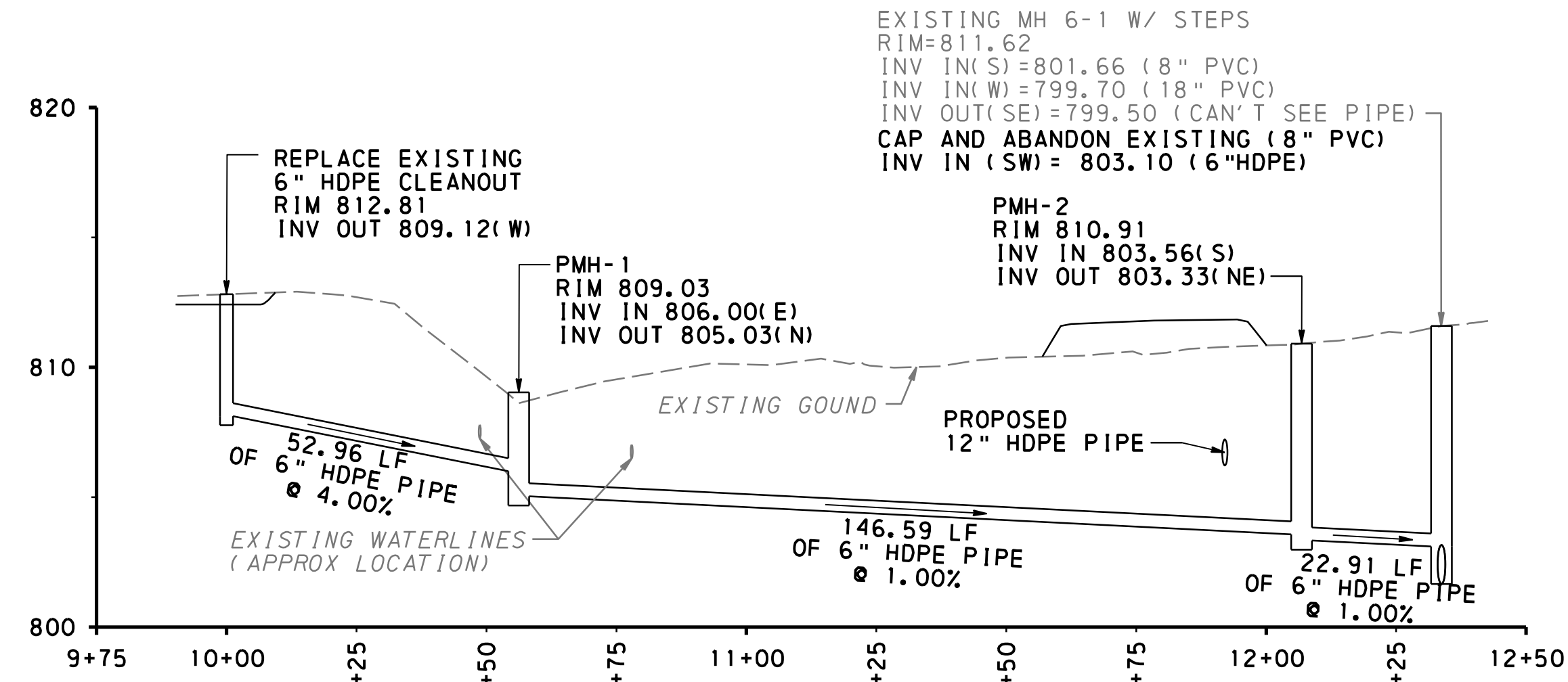
COVER SHEET

BEAVER COUNTY
BOARD OF COMMISSIONERS

BEAVER COUNTY, PENNSYLVANIA

PROJECT #:	25052
FIELD BOOK #:	###
DRAWN:	JWL
CHECKED:	TSF
DATE:	FEBRUARY, 2026
SCALE:	AS NOTED

SHEET NUMBER
LD1



DATE	REVISIONS	TYPE	BY	CHK

PREPARED BY:

WIDMER ENGINEERING, INC.
806 LINCOLN PLACE, BEAVER FALLS, PA 15010

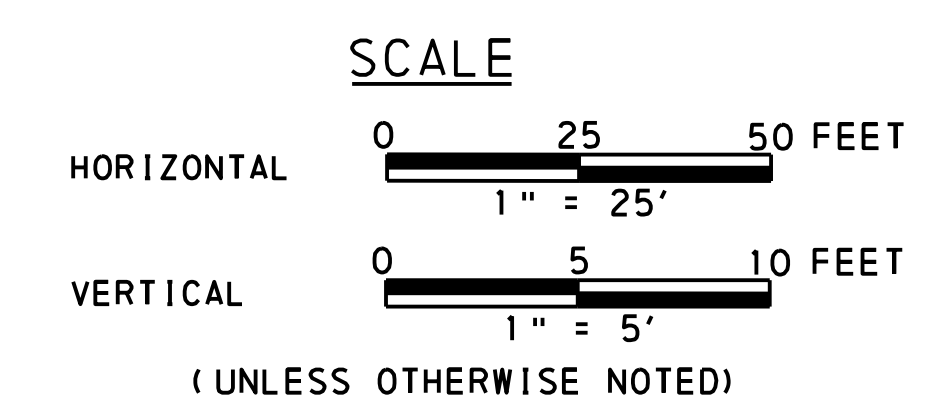
PROJECT SITE PROFILES

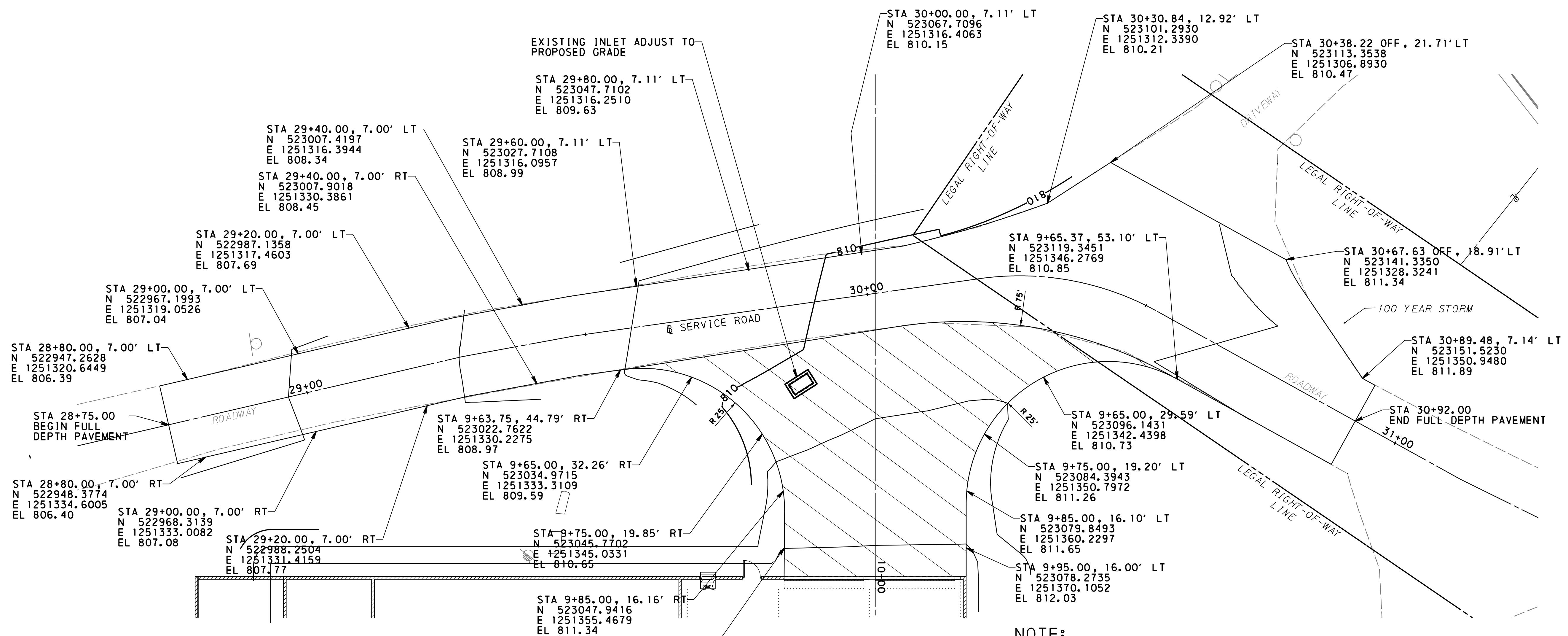
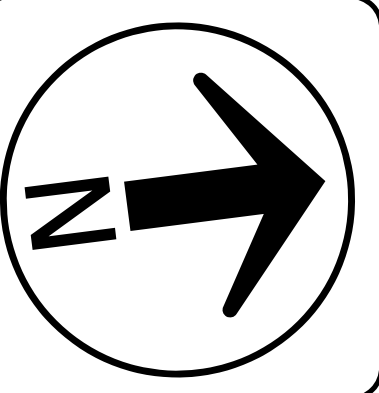
BEAVER COUNTY
BOARD OF COMMISSIONERS

BEAVER COUNTY, PENNSYLVANIA

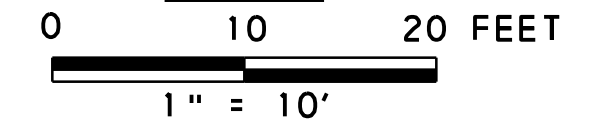
PROJECT #:	25052
FIELD BOOK #:	###
DRAWN:	JWL
CHECKED:	TSF
DATE:	FEBRUARY, 2026
SCALE:	AS NOTED

SHEET NUMBER
LD6

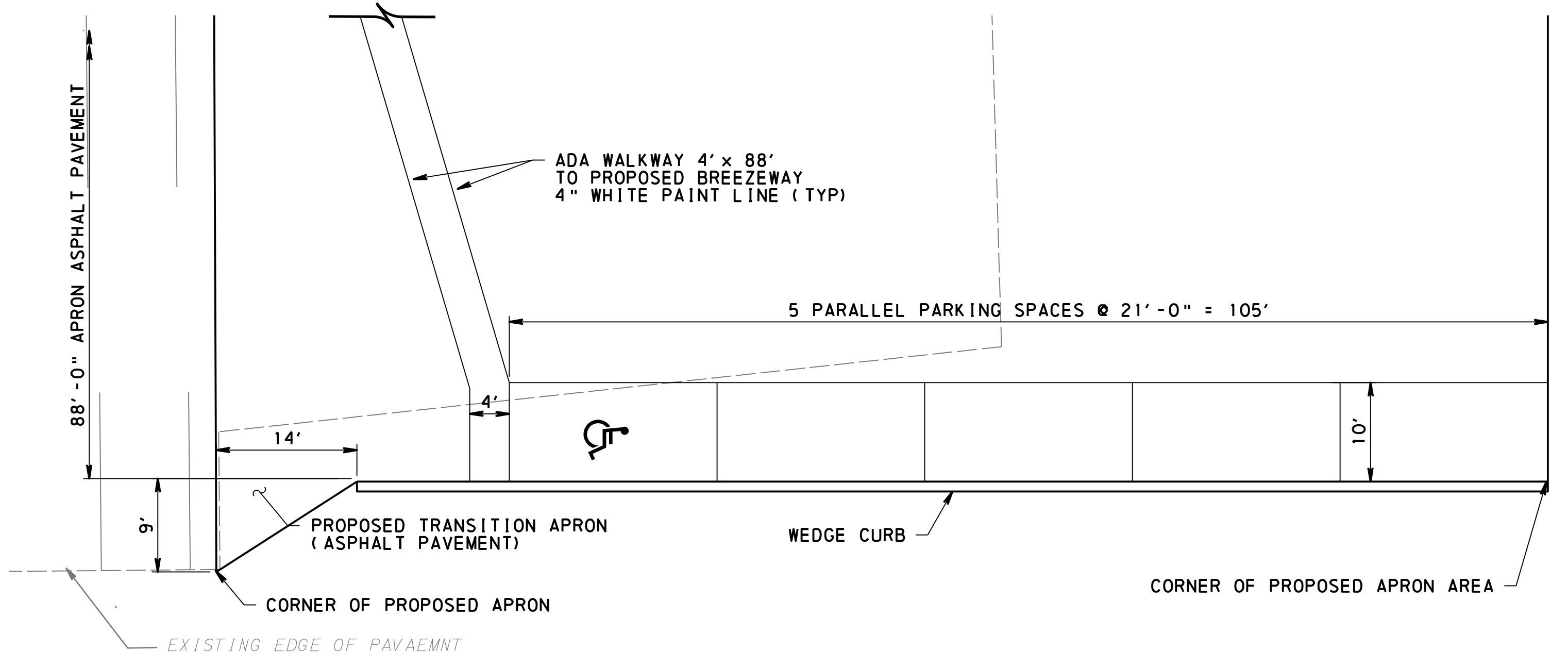




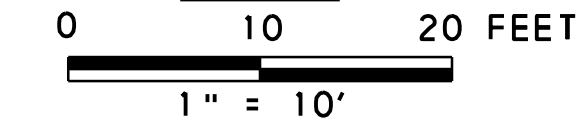
**DRIVEWAY DETAIL
SCALE**



NOTE:
PROVIDE TRAFFIC CONTROL AS NEEDED DURING CONSTRUCTION AND MAINTAIN ACCESS FOR THE PUBLIC TO THE BEAVER VALLEY RIFLE CLUB AT ALL TIMES.



**PARKING DETAIL
SCALE**



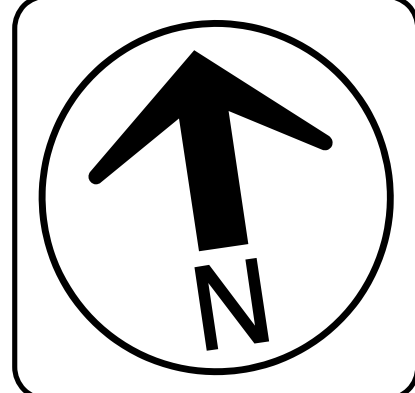
REVISIONS	DATE	BY	CHK

WE
WIDMER ENGINEERING
806 LINCOLN PLACE, BEAVER FALLS, PA 15010

SERVICE ROAD DETAILS
BEAVER COUNTY
BOARD OF COMMISSIONERS
BEAVER COUNTY, PENNSYLVANIA

PROJECT #:	25052
FIELD BOOK #:	###
DRAWN:	JWL
CHECKED:	TSF
DATE:	FEBRUARY, 2026
SCALE:	AS NOTED

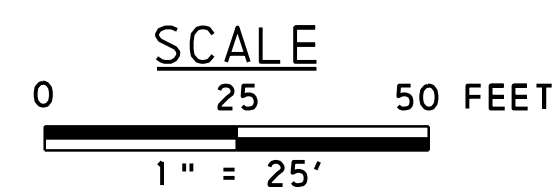
SHEET NUMBER
LD7



LEGEND

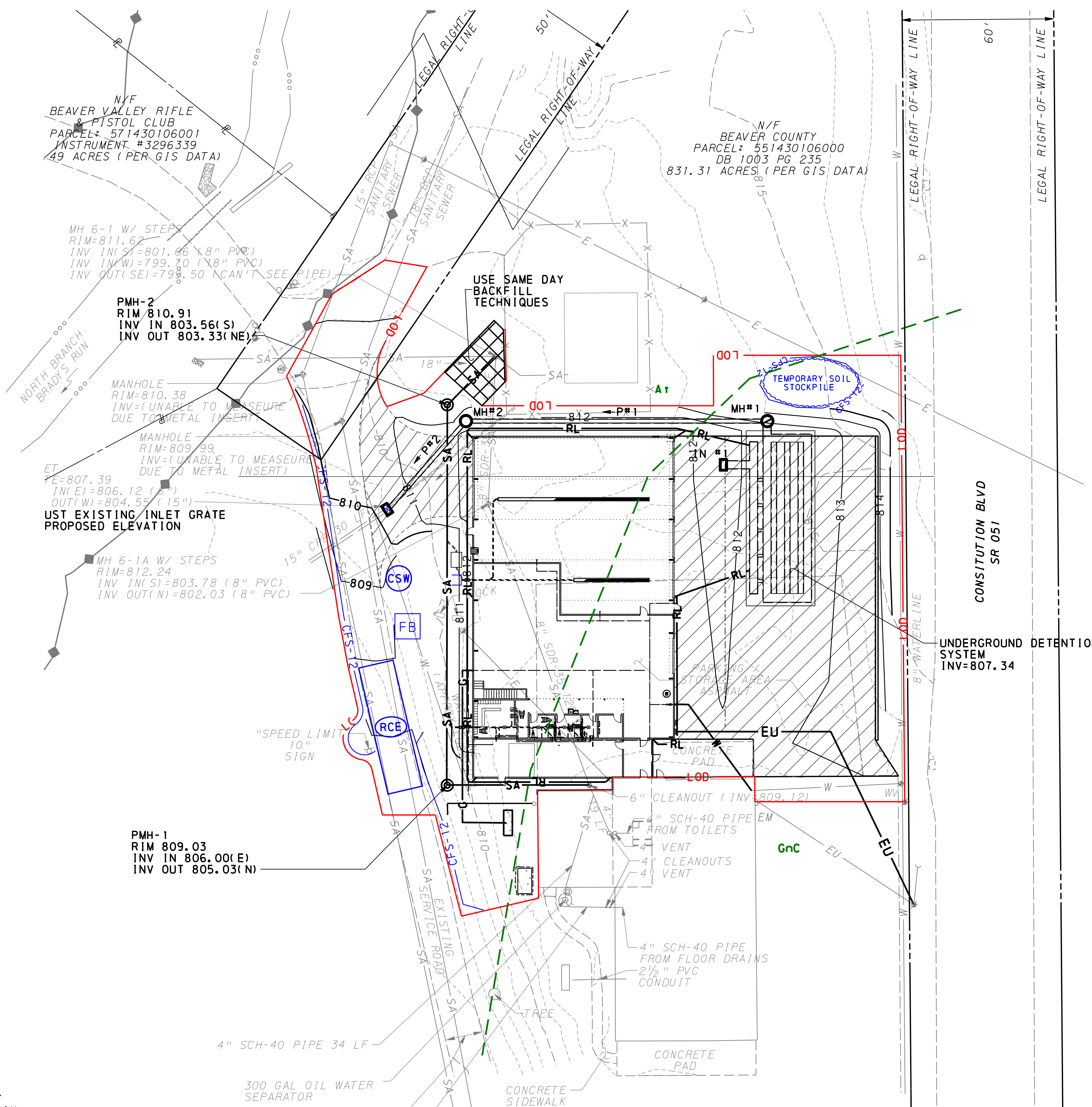
- 1440 --- EXISTING MAJOR CONTOURS
- 1438 --- EXISTING MINOR CONTOURS
- E/T/CTV/FO --- EXISTING ELECTRIC/COM
- EXISTING ELECTRIC
- SA --- EXISTING SANITARY
- ⊕ EXISTING SANITARY MANHOLE
- ⊕ EXISTING FIRE HYDRANT
- ⊕ EXISTING WATER VALVE
- ⊕ EXISTING UTILITY POLE
- W --- EXISTING WATER
- G --- EXISTING GAS
- EXISTING ROAD
- EXISTING GUIDERAIL
- EXISTING WATERWAY
- PROPERTY LINE
- PROPOSED PROPERTY LINE
- LEGAL RIGHT-OF-WAY
- 1440 --- PROPOSED MAJOR CONTOURS
- 1438 --- PROPOSED MINOR CONTOURS
- EU --- PROPOSED BURIED ELECTRIC
- SA --- PROPOSED SANITARY SEWER
- W --- PROPOSED WATER
- G --- PROPOSED GAS
- PROPOSED STORMWATER PIPE
- PROPOSED UNDERDRAIN PIPE
- PROPOSED STORM INLET
- 50' CLEMENT RUN FLOODWAY
- [FB] PUMPED WATER FILTER BAG
- STOCKPILE LIMIT
- CFS-12- COMPOST FILTER SOCK
- LOD- LIMIT OF DISTURBANCE
- [CSW] CONCRETE WASHOUT
- [IFB] INLET FILTER BAG
- [RCE] ROCK CONSTRUCTION ENTRANCE
- - - SOIL CLASSIFICATION
- [Hatched] PAVEMENT
- [Cross-hatched] SAME DAY BACKFILL

LOD=0.920 ACRES



SAME DAY BACKFILL TRENCHING TECHNIQUES

UTILITY TRENCHING IS TO BE BACKFILLED THE SAME DAY OR BEFORE NEXT RAINFALL EVENT. NO MORE THAN 50 LINEAR FEET OF OPEN TRENCH SHALL EXIST AT THE END OF EACH WORKING DAY. AT NO TIME SHALL MORE THAN 200 LINEAR FEET OF TRENCH BE OPEN AT ANY GIVEN TIME. ALL COMPLETED WORK AREAS SHALL BE SEEDED OR PAVED WITH TEMPORARY/PERMANENT SEEDING OR PAVEMENT AT THE END OF EACH DAY. PROVIDE FINAL SEEDING OF WORK AREAS WITHIN 4 DAYS OF COMPLETION OF WORK IN THAT AREA



PROJECT CONSTRUCTION SEQUENCE

1. STAKE THE PROPOSED LIMITS OF DISTURBANCE. THE LIMIT OF DISTURBANCE MUST BE DELINEATED BEFORE ANY WORK BEGINS ON SITE. CLEAR AND GRUB AND STOCKPILE TOPSOIL IN THE VICINITY OF IMMEDIATE WORK.
2. INSTALL ROCK CONSTRUCTION ENTRANCE AS SHOWN ON THE PLAN DRAWINGS AND IN ACCORDANCE WITH THE DETAILS. MAINTAIN TO THE SPECIFIED DIMENSIONS AND THE CAPACITY TO REMOVE SEDIMENT FROM TIRES. ADD ROCK OR REMOVE AND REPLACE AS NECESSARY.
3. INSTALL COMPOST FILTER SOCK (CFS) AT THE LOCATIONS SHOWN ON THE PLAN DRAWINGS AND IN ACCORDANCE WITH THE DETAILS. INSTALL THIS BMP AND CONFIRM THAT IT IS FUNCTIONING PRIOR TO COMMENCING ANY EARTHMOVING ACTIVITIES.
4. PERFORM INITIAL GRADING OF SITE, MARK OUT AREA FOR UNDERGROUND DETENTION SYSTEM.
5. DEWATER THE WORK AREA WITH A PUMPED WATER FILTER BAG (PWFB). CONTINUE TO DEWATER SEEPAGE THROUGHOUT CONSTRUCTION IN THE SAME MANNER. COMPLETELY SURROUND THE PWFB WITH CFS AS SHOWN.
6. INSTALL STORM PIPES, UNDERGROUND FACILITIES, BUILDING FOUNDATION, AND CATCH BASINS AS SHOWN ON THE PLANS.
7. SET UP CONCRETE WASHOUT AS SHOWN ON THE PLANS. INSTALL THE PROPOSED STRUCTURE AND PAVEMENT IN ACCORDANCE WITH THE DETAILS AND SPECIFICATIONS.
8. PERFORM FINAL GRADING AND COVER WITH TOPSOIL, SEED AND EROSION CONTROL MULCH BLANKET (ECMB) AS SHOWN ON THE PLAN DRAWINGS AND IN ACCORDANCE WITH THE DETAILS. USE ECMB ON ALL SLOPES 3:1 OR GREATER.
9. MAINTAIN APPROPRIATE BMPs WHERE APPLICABLE, UNTIL SITE STABILIZED. PROVIDE FINAL SEEDING AND STABILIZATION OF ALL REMAINING AREAS WITHIN CONSTRUCTION LIMITS. VEGETATED AREAS SHALL BE CONSIDERED STABILIZED UPON ACHIEVING A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER OVER THE ENTIRE DISTURBED AREA.
10. UPON COMPLETION OF STABILIZATION ALL TEMPORARY BMPs STILL IN PLACE SHALL BE REMOVED AND DISPOSED OF PROPERLY AND THOSE AREAS STABILIZED.

SOIL CLASSIFICATION (NRCS)

UNIT	SOIL TYPE	SLOPE
A+	ATKINS SILT LOAM	0-3%
GnC	GILPIN SILT LOAM	8-15%

REVISIONS	DATE	BY	CHK

PREPARED BY: **WIDMER ENGINEERING** INC.
 806 LINCOLN PLACE, BEAVER FALLS, PA 15010

EROSION AND SEDIMENT CONTROL PLAN
 BEAVER COUNTY BOARD OF COMMISSIONERS
 BEAVER COUNTY, PENNSYLVANIA

PROJECT #:	25052
FIELD BOOK #:	###
DRAWN:	JWL
CHECKED:	TSF
DATE:	FEBRUARY, 2026
SCALE:	AS NOTED

SHEET NUMBER
ES1

STANDARD EROSION AND SEDIMENTATION CONTROL PLAN NOTES

- ALL EARTH DISTURBANCES, INCLUDING CLEARING AND GRUBBING AS WELL AS CUTS AND FILLS SHALL BE DONE IN ACCORDANCE WITH THE APPROVED E&S PLAN. A COPY OF THE APPROVED DRAWINGS (STAMPED, SIGNED AND DATED BY THE REVIEWING AGENCY) MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. THE REVIEWING AGENCY SHALL BE NOTIFIED OF ANY CHANGES TO THE APPROVED PLAN PRIOR TO IMPLEMENTATION OF THOSE CHANGES. THE REVIEWING AGENCY MAY REQUIRE A WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION.
- AT LEAST 7 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, INCLUDING CLEARING AND GRUBBING, THE OWNER AND/OR OPERATOR SHALL INVITE ALL CONTRACTORS, THE LANDOWNER, APPROPRIATE MUNICIPAL OFFICIALS, THE E&S PLAN PREPARER, THE PCSM PLAN PREPARER, THE LICENSED PROFESSIONAL RESPONSIBLE FOR OVERSIGHT OF CRITICAL STAGES OF IMPLEMENTATION OF THE PCSM PLAN, AND A REPRESENTATIVE FROM THE CRAWFORD COUNTY CONSERVATION DISTRICT TO AN ON-SITE PRECONSTRUCTION MEETING.
- AT LEAST 3 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1776 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
- ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON THE PLAN DRAWINGS. DEVIATION FROM THAT SEQUENCE MUST BE APPROVED IN WRITING FROM THE CRAWFORD COUNTY CONSERVATION DISTRICT OR BY THE DEPARTMENT PRIOR TO IMPLEMENTATION.
- AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL.
- CLEARING, GRUBBING, AND TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE OF THE CONSTRUCTION SEQUENCE. GENERAL SITE CLEARING GRUBBING AND TOPSOIL STRIPPING MAY NOT COMMENCE IN ANY STAGE OR PHASE OF THE PROJECT UNTIL THE E&S BMPs SPECIFIED BY THE BMP SEQUENCE FOR THAT STAGE OR PHASE HAVE BEEN INSTALLED AND ARE FUNCTIONING AS DESCRIBED IN THIS E&S PLAN.
- AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE BOUNDARIES SHOWN ON THE PLAN MAPS. THESE AREAS MUST BE CLEARLY MARKED AND FENCED OFF BEFORE CLEARING AND GRUBBING OPERATIONS BEGIN.
- TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED AT THE LOCATION(S) SHOWN ON THE PLAN MAP(S) IN THE AMOUNT NECESSARY TO COMPLETE THE FINISH GRADING OF ALL EXPOSED AREAS THAT ARE TO BE STABILIZED BY VEGETATION. EACH STOCKPILE SHALL BE PROTECTED IN THE MANNER SHOWN ON THE PLAN DRAWINGS. STOCKPILE HEIGHTS SHALL NOT EXCEED 35 FEET. STOCKPILE SLOPES SHALL BE 2H:1V OR FLATTER.
- IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION AND NOTIFY THE COUNTY CONSERVATION DISTRICT AND/OR THE REGIONAL OFFICE OF THE DEPARTMENT.
- ALL BUILDING MATERIALS AND WASTES SHALL BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA. CODE 260.1 ET SEQ., 271.1, AND 287.1 ET. SEQ. NO BUILDING MATERIALS OR WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURNED, BURIED, DUMPED, OR DISCHARGED AT THE SITE.
- ALL OFF-SITE WASTE AND BORROW AREAS MUST HAVE AN E&S PLAN APPROVED BY THE CRAWFORD COUNTY CONSERVATION DISTRICT OR THE DEPARTMENT FULLY IMPLEMENTED PRIOR TO BEING ACTIVATED.
- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ANY MATERIAL BROUGHT ON SITE IS CLEAN FILL. FORM FP-001 MUST BE RETAINED BY THE PROPERTY OWNER FOR ANY FILL MATERIAL AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE BUT QUALIFYING AS CLEAN FILL DUE TO ANALYTICAL TESTING.
- ALL PUMPING OF WATER FROM ANY WORK AREA SHALL BE DONE ACCORDING TO THE PROCEDURE DESCRIBED IN THIS PLAN, OVER UNDISTURBED VEGETATED AREAS.
- VEHICLES AND EQUIPMENT MAY NEITHER ENTER DIRECTLY NOR EXIT DIRECTLY FROM ANY AREA OTHER THAN THOSE DESIGNATED ON THE PLAN DRAWINGS.
- UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPs SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMPs AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING AND RENETTING MUST BE PERFORMED IMMEDIATELY. IF THE E&S BMPs FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPs, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
- A LOG SHOWING DATES THAT E&S BMPs WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED SHALL BE MAINTAINED ON THE SITE AND BE MADE AVAILABLE TO REGULATORY AGENCY OFFICIALS AT THE TIME OF INSPECTION.
- SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORK DAY AND DISPOSED IN THE MANNER DESCRIBED IN THIS PLAN. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED, OR SWEEPED INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER.
- ALL SEDIMENT REMOVED FROM BMPs SHALL BE DISPOSED OF IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS.
- AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 3 TO 5 INCHES, 6 TO 12 INCHES ON COMPACTED SOILS, PRIOR TO PLACEMENT OF TOPSOIL. AREAS TO BE VEGETATED SHALL HAVE A MINIMUM 4 INCHES OF TOPSOIL IN PLACE PRIOR TO SEEDING AND MULCHING. FILL OUTSLOPES SHALL HAVE A MINIMUM OF 2 INCHES OF TOPSOIL.

- ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES.
- ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.
- FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
- FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS.
- FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
- SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.
- ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE. SEEDED AREAS WITHIN 50 FEET OF A SURFACE WATER, OR AS OTHERWISE SHOWN ON THE PLAN DRAWINGS, SHALL BE BLANKETED ACCORDING TO THE STANDARDS OF THIS PLAN.
- IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE IN ANY AREA OR SUBAREA OF THE PROJECT, THE OPERATOR SHALL STABILIZE ALL DISTURBED AREAS. DURING NON-GERMINATING MONTHS, MULCH OR PROTECTIVE BLANKETING SHALL BE APPLIED AS DESCRIBED IN THE PLAN. AREAS NOT AT FINISHED GRADE, WHICH WILL BE REACTIVATED WITHIN 1 YEAR, MAY BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY STABILIZATION SPECIFICATIONS. THOSE AREAS WHICH WILL NOT BE REACTIVATED WITHIN 1 YEAR SHALL BE STABILIZED IN ACCORDANCE WITH THE PERMANENT STABILIZATION SPECIFICATIONS.
- PERMANENT STABILIZATION IS DEFINED AS A MINIMUM UNIFORM, PERENNIAL 70% VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION. CUT AND FILL SLOPES SHALL BE CAPABLE OF RESISTING FAILURE DUE TO SLUMPING, SLIDING, OR OTHER MOVEMENTS.
- E&S BMPs SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED OR UNTIL THEY ARE REPLACED BY ANOTHER BMP APPROVED BY THE CRAWFORD COUNTY CONSERVATION DISTRICT OR THE DEPARTMENT.
- UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE CRAWFORD COUNTY CONSERVATION DISTRICT FOR AN INSPECTION PRIOR TO REMOVAL/CONVERSION OF THE E&S BMPs.
- AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMPs MUST BE REMOVED OR CONVERTED TO PERMANENT POST CONSTRUCTION STORMWATER MANAGEMENT BMPs. AREAS DISTURBED DURING REMOVAL OR CONVERSION OF THE BMPs SHALL BE STABILIZED IMMEDIATELY. IN ORDER TO ENSURE RAPID REVEGETATION OF DISTURBED AREAS, SUCH REMOVAL/CONVERSIONS ARE TO BE DONE ONLY DURING THE GERMINATING SEASON.
- UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE CRAWFORD COUNTY CONSERVATION DISTRICT TO SCHEDULE A FINAL INSPECTION.
- FAILURE TO CORRECTLY INSTALL E&S BMPs, FAILURE TO PREVENT SEDIMENT-LADEN RUNOFF FROM LEAVING THE CONSTRUCTION SITE, OR FAILURE TO TAKE IMMEDIATE CORRECTIVE ACTION TO RESOLVE FAILURE OF E&S BMPs MAY RESULT IN ADMINISTRATIVE, CIVIL, AND/OR CRIMINAL PENALTIES BEING INSTITUTED BY THE DEPARTMENT AS DEFINED IN SECTION 602 OF THE PENNSYLVANIA CLEAN STREAMS LAW. THE CLEAN STREAMS LAW PROVIDES FOR UP TO \$10,000 PER DAY IN CIVIL PENALTIES, UP TO \$10,000 IN SUMMARY CRIMINAL PENALTIES, AND UP TO \$25,000 IN MISDEMEANOR CRIMINAL PENALTIES FOR EACH VIOLATION.
- CONCRETE WASH WATER SHALL BE HANDLED IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS. IN NO CASE SHALL IT BE ALLOWED TO ENTER ANY SURFACE WATERS OR GROUNDWATER SYSTEMS.

CLEAN FILL NOTES

IF THE SITE WILL NEED TO IMPORT OR EXPORT MATERIAL FROM THE SITE, THE RESPONSIBILITY FOR PERFORMING ENVIRONMENTAL DUE DILIGENCE AND DETERMINATION OF CLEAN FILL WILL REST WITH THE CONTRACTOR.

CLEAN FILL

CLEAN FILL IS DEFINED AS: UNCONTAMINATED, NON-WATER SOLUBLE, NON-DECOMPOSABLE, INERT, SOLID MATERIAL. THE TERM INCLUDES SOIL, ROCK, STONE, DREDGED MATERIAL, USED ASPHALT AND BRICK, BLOCK OR CONCRETE FROM CONSTRUCTION AND DEMOLITION ACTIVITIES THAT IS SEPARATE FROM OTHER WASTE AND IS RECOGNIZABLE AS SUCH. THE TERM DOES NOT INCLUDE MATERIALS PLACED IN OR ON THE WATERS OF THE COMMONWEALTH UNLESS OTHERWISE AUTHORIZED. (THE TERM "USED ASPHALT" DOES NOT INCLUDE MILLED ASPHALT OR ASPHALT THAT HAS BEEN PROCESSED FOR REUSE).

CLEAN FILL AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE

CLEAN FILL AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE: FILL MATERIALS AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE STILL QUALIFIES AS CLEAN FILL PROVIDED THE TESTING REVEALS THAT THE FILL MATERIAL CONTAINS CONCENTRATIONS OF REGULATED SUBSTANCES THAT ARE BELOW THE RESIDENTIAL LIMITS IN TABLES FP-1A AND FP-1B FOUND IN THE DEPARTMENT'S POLICY "MANAGEMENT OF FILL".

ANY PERSON PLACING CLEAN FILL THAT HAS BEEN AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE MUST USE FORM FP-001 TO CERTIFY THE ORIGIN OF THE FILL MATERIAL AND THE RESULTS OF THE ANALYTICAL TESTING TO QUALIFY THE MATERIAL AS CLEAN FILL. FORM FP-001 MUST BE RETAINED BY THE OWNER OF THE PROPERTY RECEIVING THE FILL.

ENVIRONMENTAL DUE DILIGENCE

THE CONTRACTOR MUST PERFORM ENVIRONMENTAL DUE DILIGENCE TO DETERMINE IF THE FILL MATERIALS ASSOCIATED WITH THE PROJECT QUALIFY AS CLEAN FILL. ENVIRONMENTAL DUE DILIGENCE IS DEFINED AS: INVESTIGATIVE TECHNIQUES, INCLUDING, BUT NOT LIMITED TO, VISUAL PROPERTY INSPECTIONS, ELECTRONIC DATA BASE SEARCHES, REVIEW OF PROPERTY OWNERSHIP, REVIEW OF PROPERTY USE HISTORY, SANBORN MAPS, ENVIRONMENTAL QUESTIONNAIRES, TRANSACTION SCREENS, ANALYTICAL TESTING, ENVIRONMENTAL ASSESSMENTS OR AUDITS. ANALYTICAL TESTING IS NOT A REQUIRED PART OF DUE DILIGENCE UNLESS VISUAL INSPECTION AND/OR REVIEW OF THE PAST LAND USE OF THE PROPERTY INDICATES THAT THE FILL MAY HAVE BEEN SUBJECT TO A SPILL OR RELEASE OF REGULATED SUBSTANCE. IF THE FILL MAY HAVE BEEN AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE, IT MUST BE TESTED TO DETERMINE IF IT QUALIFIES AS CLEAN FILL. TESTING SHOULD BE PERFORMED IN ACCORDANCE WITH APPENDIX A OF THE DEPARTMENT'S POLICY "MANAGEMENT OF FILL". FILL MATERIAL THAT DOES NOT QUALIFY AS CLEAN FILL IS REGULATED FILL. REGULATED FILL IS WASTE AND MUST BE MANAGED IN ACCORDANCE WITH THE DEPARTMENT'S MUNICIPAL OR RESIDUAL WASTE REGULATIONS BASED ON 25 PA. CODE CHAPTERS 287 RESIDUAL WASTE MANAGEMENT OR 271 MUNICIPAL WASTE MANAGEMENT, WHICHEVER IS APPLICABLE. THESE REGULATIONS ARE AVAILABLE ON-LINE AT WWW.PACODE.COM.

MAINTENANCE SCHEDULE

BMP	INSPECTION FREQUENCY	DEADLINE FOR REPAIRS	PERSON RESPONSIBLE FOR REPAIRS & MAINTENANCE
COMPOST FILTER SOCK	WEEKLY OR AFTER RUNOFF EVENT	IMMEDIATELY AFTER INSPECTION	CONTRACTOR
COMPOST SOCK WASHOUTS	BEFORE EACH USE	IMMEDIATELY AFTER INSPECTION	CONTRACTOR
VEGETATED AREAS	WEEKLY OR AFTER RUNOFF EVENT	IMMEDIATELY AFTER INSPECTION	CONTRACTOR
PUMPED WATER FILTER BAG	DAILY	IMMEDIATELY AFTER INSPECTION	CONTRACTOR
INLET FILTER BAG	WEEKLY OR AFTER RUNOFF EVENT	IMMEDIATELY AFTER INSPECTION	CONTRACTOR
ROCK CONSTRUCTION ENTRANCE	DAILY	THE END OF EACH WORKING DAY	CONTRACTOR
TOPSOIL STOCKPILE FILTER SOCK	WEEKLY OR AFTER RUNOFF EVENT	IMMEDIATELY AFTER INSPECTION	CONTRACTOR

INSPECTIONS WILL BE LOGGED ONTO DEP FORM 3800-FM-BCW0271d (12/2019); THESE REPORTS WILL BE KEPT ONSITE AT ALL TIMES.

jherson 10:37:33 AM 2/24/2026 G:\2025\25052 - Beaver County Haz. Mat. Pole Building\PROJECTS-02-25052-HAZ-MAT-ES-2-3-Notes.dgn

DATE	BY	CHK

WIDMER ENGINEERING
 806 LINCOLN PLACE, BEAVER FALLS, PA 15010
 PREPARED BY:

EROSION AND SEDIMENT CONTROL NOTES
 BEAVER COUNTY BOARD OF COMMISSIONERS
 BEAVER COUNTY, PENNSYLVANIA

PROJECT #:	25052
FIELD BOOK #:	###
DRAWN:	JWL
CHECKED:	TSF
DATE:	FEBRUARY, 2026
SCALE:	AS NOTED

SHEET NUMBER
ES2

A MAINTENANCE PROGRAM WHICH PROVIDES FOR INSPECTION OF BMPs ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT, INCLUDING THE REPAIR OF THE BMPs TO ENSURE EFFECTIVE AND EFFICIENT OPERATION.

A. MAINTENANCE PROGRAM

GENERAL

WATER FROM ALL DISTURBED AREAS SHALL BE DIRECTED AND FILTERED THROUGH THE PROPOSED COMPOST FILTER SOCK, ROCK FILTERS, OR OTHER SEDIMENT CONTROL DEVICES PRIOR TO ITS DISCHARGE OFF-SITE. ALL TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED BY THE CONTRACTOR ON A WEEKLY OR DAILY BASIS AND AFTER EACH RUNOFF EVENT AS SPECIFIED IN THE MAINTENANCE PROGRAM SCHEDULE. MAINTENANCE REPAIRS TO SEDIMENT CONTROL DEVICES SHALL BE COMPLETED IMMEDIATELY OR WITHIN TWENTY-FOUR (24) HOURS OF INSPECTION. ALL SEDIMENT REMOVED FROM THE EROSION CONTROL MEASURES SHALL BE DISPOSED OF EITHER AT THE TOPSOIL STOCKPILE TO BE LATER MIXED WITH THE TOPSOIL OR OFFSITE AT AN APPROVED EROSION AND SEDIMENT POLLUTION CONTROL SITE.

ROCK CONSTRUCTION ENTRANCE AND TEMPORARY ACCESS ROADS

THE CONTRACTOR SHALL INSPECT ROCK CONSTRUCTION ENTRANCE AT THE END OF EACH WORK DAY. THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE IMMEDIATELY. IF EXCESSIVE AMOUNTS OF SEDIMENT ARE BEING DEPOSITED ON ROADWAY, EXTEND LENGTH OF ROCK CONSTRUCTION ENTRANCE BY 50 FOOT INCREMENTS UNTIL CONDITION IS ALLEVIATED OR INSTALL WASH RACK. WASHING THE ROADWAY OR SWEEPING THE DEPOSITS INTO ROADWAY DITCHES, SEWERS, CULVERTS, OR OTHER DRAINAGE COURSES IS NOT ACCEPTABLE.

COMPOST FILTER SOCK

THE CONTRACTOR SHALL INSPECT ALL COMPOST FILTER SOCK ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT. DAMAGED FILTER SOCK WILL BE REPAIRED OR REPLACED IMMEDIATELY. THE CONTRACTOR SHALL REMOVE ALL SEDIMENT FROM COMPOST FILTER SOCK WHERE ACCUMULATIONS REACH ONE-HALF (1/2) OF THE ABOVE GROUND HEIGHT OF THE SOCK OR DEEPER. AFTER SEDIMENT IS REMOVED, REPAIR AND/OR REPLACE THE COMPOST FILTER SOCK AS NEEDED. ANY SECTION OF COMPOST FILTER SOCK THAT HAS BEEN UNDERCUT OR OVERTOPPED MUST BE REPLACED WITHIN TWENTY-FOUR (24) HOURS OF INSPECTION. ADHERE TO ANY MANUFACTURER'S RECOMMENDATIONS FOR REPLACING THE COMPOST FILTER SOCK DUE TO WEATHERING. ALL SEDIMENT REMOVED SHALL BE USED ON CONSTRUCTION SITE OR DISPOSED OF AS CONSTRUCTION WASTE IN THE MANNER DESCRIBED IN THESE PLANS.

NOTE: COMPOST FILTER SOCK IS SHOWN ON THE PLAN BY SPECIFIC INSTALLATION LOCATIONS. THE CONTRACTOR SHALL RELOCATE THE COMPOST FILTER SOCK WHEREVER THE LOCATION OF THE COMPOST FILTER SOCK IS NEEDED DUE TO EXCAVATION, UTILITY INSTALLATION, ETC. THROUGHOUT THE CONSTRUCTION, THE CONTRACTOR(S) SHALL RELOCATE THE COMPOST FILTER SOCK TO APPROPRIATE LOCATIONS TO ENSURE THAT SEDIMENT LADEN SURFACE RUNOFF WILL BE CAPTURED AT ALL TIMES.

COMPOST SOCK WASHOUT

THE CONTRACTOR SHALL INSPECT THE COMPOST SOCK WASHOUTS PRIOR TO EACH USE. DAMAGED OR LEAKING WASHOUTS SHOULD BE DEACTIVATED AND REPAIRED OR REPLACED IMMEDIATELY. ACCUMULATED MATERIALS SHOULD BE REMOVED WHEN THEY REACH 75% CAPACITY. PLASTIC LINERS SHALL BE REPLACED WITH EACH CLEANING OF THE WASHOUT FACILITY. SUITABLE CONCRETE MATERIAL MAY BE USED AS CLEAN BACKFILL. ALL OTHER WASTE SHALL BE CONSTRUCTION WASTE AND DISPOSED OF IN THE MANNER DESCRIBED IN THESE PLANS.

VEGETATED AREAS

THE CONTRACTOR SHALL INSPECT VEGETATED AND MULCHED AREAS WEEKLY AND AFTER EACH RUNOFF EVENT. ANY AREA NOT USED (NOR SCHEDULED FOR USE) WITHIN 4 DAYS OF DISTURBANCE SHALL BE MULCHED OR SEEDED WITH TEMPORARY GRASS MIXTURE PER PENNDOT 408 REQUIREMENTS. ALL WORK AREAS COMPLETED SHALL HAVE PERMANENT VEGETATION ESTABLISHED AS SOON AS POSSIBLE. WHERE SEDIMENT HAS ACCUMULATED, IT SHALL BE REMOVED PRIOR TO PLACEMENT OF VEGETATION. IF THE SEEDED OR MULCHED AREAS HAVE BECOME DAMAGED BY EROSION OR ADDITIONAL CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL PROMPTLY REPAIR THE AFFECTED AREA BY REGRADING, LIMING, FERTILIZING, SEEDING, AND MULCHING AS ORIGINALLY SPECIFIED. VEGETATED AREAS THAT HAVE NOT ESTABLISHED A UNIFORM 70% PERENNIAL VEGETATIVE COVER AT THE END OF ONE GROWING SEASON SHALL BE RESEDED, LIMED, FERTILIZED, AND MULCHED AS ORIGINALLY SPECIFIED. ALL SEDIMENT REMOVED SHALL BE USED ON CONSTRUCTION SITE OR DISPOSED OF AS CONSTRUCTION WASTE IN THE MANNER DESCRIBED IN THESE PLANS.

PUMPED WATER FILTER BAGS

THE CONTRACTOR SHALL INSPECT ALL PUMPED WATER FILTER BAGS ON A DAILY BASIS AND AFTER EACH RUNOFF EVENT. THE CONTRACTOR SHALL CLEAN, REPAIR, OR REPLACE THE BAG WHEN IT IS FOUND TO BE IN UNSATISFACTORY CONDITION IMMEDIATELY AFTER THE INSPECTION. FILTER BAGS SHALL BE CLEANED AND/OR REPLACED WHEN THE BAGS FLOW RATE HAS BEEN REDUCED TO 50% OF ITS INITIAL DISCHARGE RATE. THE SILT MAY BE COLLECTED AND DEPOSITED ON THE TOPSOIL STOCKPILE AND STABILIZED IMMEDIATELY OR DISPOSED OF AS CONSTRUCTION WASTE IN THE MANNER DESCRIBED IN THESE PLANS. DAMAGED FILTER BAGS SHALL BE REPLACED IMMEDIATELY, THE USED FILTER BAG WILL BE CONSIDERED CONSTRUCTION WASTE.

TEMPORARY AND PERMANENT SEEDING SPECIFICATIONS

(PERMANENT STEEP SLOPE) (>3:1)	SPECIES #: FORMULA L (HARD FESCUE/CREeping RED FESCUE/ANNUAL RYEGRASS)	(TEMPORARY)	SPECIES #: FORMULA T (OATS-SPRING; CEREAL RYE-FALL)
% PURE LIVE SEED: 86	_____ %	% PURE LIVE SEED: 82	_____ %
APPLICATION RATE: 40	_____ LB./ACRE	APPLICATION RATE: 45	_____ LB./ACRE
FERTILIZER TYPE: 10-20-20	_____ (X-X-X)	FERTILIZER TYPE: 10-20-20	_____ (X-X-X)
FERTILIZER APPL. RATE: 678	_____ LB./ACRE	FERTILIZER APPL. RATE: 678	_____ LB./ACRE
LIMING RATE: 3872	_____ LB./ACRE	LIMING RATE: 3872	_____ LB./ACRE
MULCH TYPE: HAY OR STRAW	_____	MULCH TYPE: HAY OR STRAW	_____
MULCHING RATE: 2.9	_____ T/ACRE	MULCHING RATE: 2.9	_____ T/ACRE
ANCHORING MATERIAL: WOOD-CELLULOSE	_____		
ANCHORING METHOD: HYDROSEED OR BROADCAST	_____		
RATE OF ANCHOR MATERIAL APPL: 678	_____ LB./ACRE		
SEEDING SEASON DATES: MARCH 15 TO JUNE 1; AUGUST 1 TO OCTOBER 15			

* IF MORE THAN ONE SPECIES IS USED, INDICATE APPLICATION RATE FOR EACH SPECIES.

INLET FILTER BAGS

THE CONTRACTOR SHALL INSPECT THE INLET FILTER BAGS ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT. BAGS SHALL BE EMPTIED AND RINSED OR REPLACED WHEN HALF FULL OR WHEN FLOW CAPACITY HAS BEEN REDUCED SO AS TO CAUSE FLOODING OR BYPASSING OF THE INLET. DAMAGED OR CLOGGED BAGS SHALL BE REPLACED. A SUPPLY SHALL BE MAINTAINED ONSITE FOR REPLACEMENT OF BAGS. ALL NEEDED REPAIRS SHALL BE INITIATED IMMEDIATELY AFTER THE INSPECTION. DISPOSE ACCUMULATED SEDIMENT AS WELL AS ALL USED BAGS AS CLEAN FILL AS APPLICABLE OR CONSTRUCTION WASTE IN THE MANNER DESCRIBED IN THESE PLANS.

LITTER / CONSTRUCTION DEBRIS

THE CONTRACTOR SHALL INSPECT THE SITE AND AREAS SURROUNDING THE SITE FOR LITTER AND CONSTRUCTION DEBRIS ON A WEEKLY BASIS. ALL LITTER AND CONSTRUCTION DEBRIS SHALL BE COLLECTED BY THE CONTRACTOR AND PLACED INTO PROPER WASTE RECEPTACLES (MUNICIPAL WASTE, RECYCLABLES, OTHERS AS NEEDED) SUCH THAT THE WASTE IS DISPOSED OF IN A PROPER, LEGAL MANNER, OFF-SITE AT AN APPROPRIATE WASTE FACILITY.

SEEDING

VEGETATED AND MULCHED AREAS WILL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. ANY AREA NOT USED (NOR SCHEDULED FOR USE) WITHIN 4 DAYS OF DISTURBANCE SHALL BE MULCHED OR SEEDED WITH TEMPORARY GRASS MIXTURE PER PENNDOT 408 REQUIREMENTS. ALL WORK AREAS COMPLETED SHALL HAVE PERMANENT VEGETATION ESTABLISHED AS SOON AS POSSIBLE. WHERE SEDIMENT HAS ACCUMULATED, IT SHALL BE REMOVED PRIOR TO PLACEMENT OF VEGETATION. IF THE SEEDED OR MULCHED AREAS HAVE BECOME DAMAGED BY EROSION OR ADDITIONAL CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL PROMPTLY REPAIR THE AFFECTED AREA BY REGRADING, LIMING, FERTILIZING, SEEDING, AND MULCHING AS ORIGINALLY SPECIFIED. VEGETATED AREAS THAT HAVE NOT ESTABLISHED A UNIFORM 70% PERENNIAL VEGETATIVE COVER AT THE END OF ONE GROWING SEASON SHALL BE RESEDED, LIMED, FERTILIZED, AND MULCHED AS ORIGINALLY SPECIFIED.

ROCK CONSTRUCTION ENTRANCE

THE CONTRACTOR SHALL INSPECT ROCK CONSTRUCTION ENTRANCE AT THE END OF EACH WORK DAY. THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE IMMEDIATELY. IF EXCESSIVE AMOUNTS OF SEDIMENT ARE BEING DEPOSITED ON ROADWAY, EXTEND LENGTH OF ROCK CONSTRUCTION ENTRANCE BY 50 FOOT INCREMENTS UNTIL CONDITION IS ALLEVIATED OR INSTALL WASH RACK. WASHING THE ROADWAY OR SWEEPING THE DEPOSITS INTO ROADWAY DITCHES, SEWERS, CULVERTS, OR OTHER DRAINAGE COURSES IS NOT ACCEPTABLE.

DUST CONTROL

THE CONTRACTOR SHALL IMPLEMENT A PLAN FOR DUST CONTROL ON THE SITE AREA. WINDBREAKS, WATERING OF HAUL ROADS, STREET SWEEPING PAVED AREAS, MULCHING OF DISTURBED AREAS, AND ENVIRONMENTALLY SAFE CHEMICAL TREATMENTS ARE SOME TECHNIQUES THE CONTRACTOR MAY IMPLEMENT. AS NEEDED, ALL AREAS REQUIRING DUST CONTROL SHALL BE TREATED BY THE CONTRACTOR TO ENSURE THAT DUST DOES NOT ADVERSELY IMPACT THE SITE AND SURROUNDING AREA.

ROCK APRONS

ROCK APRONS SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT. ANY DISPLACED RIPRAP SHALL BE RESTORED TO ORIGINAL DIMENSIONS. ALL NECESSARY REPAIRS SHALL BE MADE IMMEDIATELY.

(PERMANENT)	SPECIES #: FORMULA B (KENTUCKY BLUEGRASS/RED FESCUE)
% PURE LIVE SEED: 98	_____ %
APPLICATION RATE: 213	_____ LB./ACRE
FERTILIZER TYPE: 10-20-20	_____ (X-X-X)
FERTILIZER APPL. RATE: 680	_____ LB./ACRE
LIMING RATE: 3900	_____ LB./ACRE
MULCH TYPE: HAY OR STRAW	_____
MULCHING RATE: 3	_____ T/ACRE
ANCHOR MATERIAL: WOOD - CELLULOSE	_____
ANCHORING METHOD: MECHANICAL BLOWER	_____
RATE OF ANCHOR MATERIAL APPL: 775	_____ LB./ACRE
SEEDING SEASON DATES: MARCH 15 TO JUNE 1; AUGUST 1 TO OCTOBER 15	

B. PERMANENT MAINTENANCE OPERATIONS

UPON COMPLETION OF THE PROJECT, THE MAINTENANCE OF ALL PERMANENT EROSION AND SEDIMENTATION CONTROLS WILL BECOME PART OF THE BEAVER COUNTY PUBLIC WORKS REGULAR MAINTENANCE PROGRAM. THIS WILL INCLUDE PERIODIC INSPECTIONS OF FACILITIES AND ALL REQUIRED REPAIRS.

C. SPECIFICATIONS

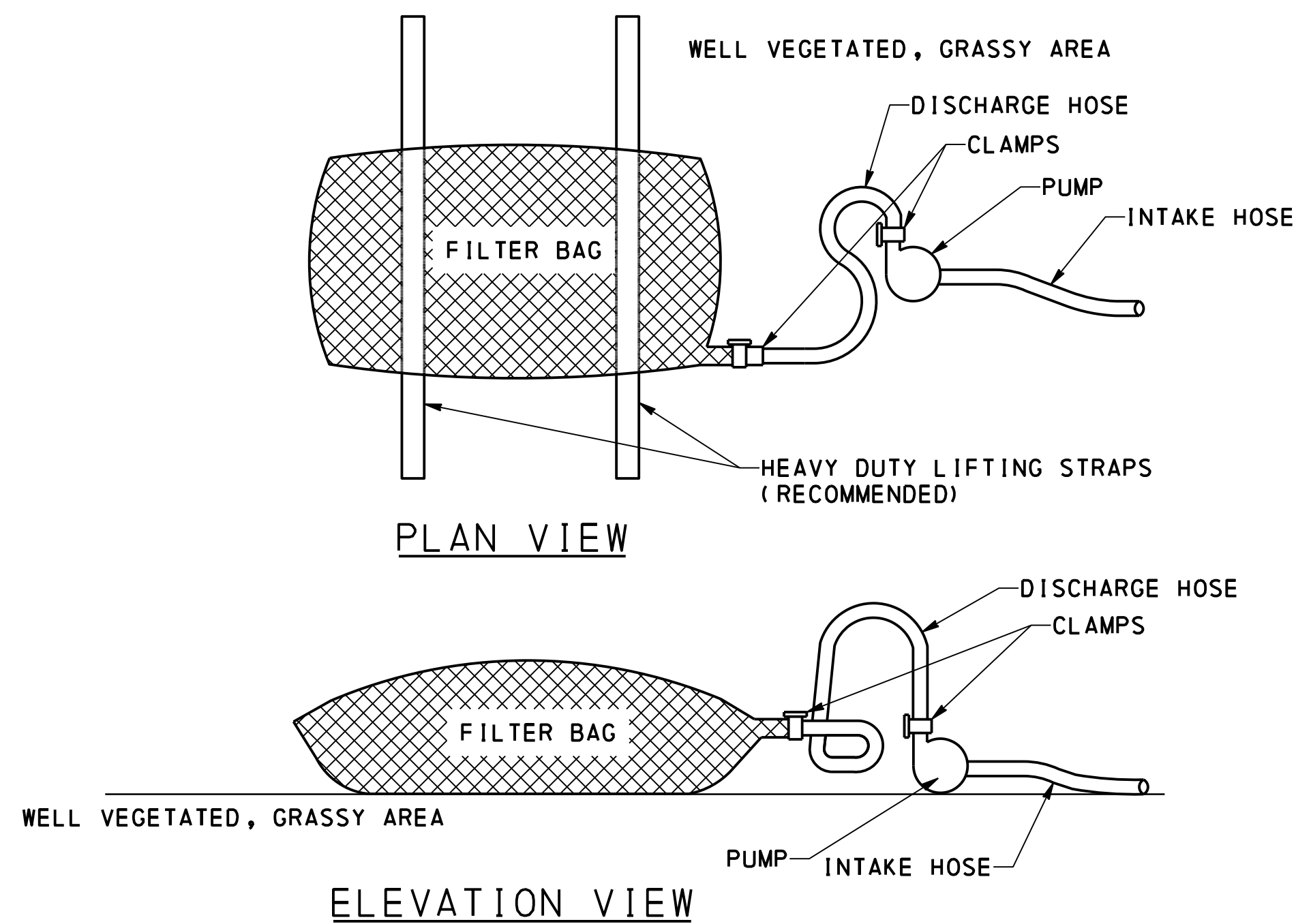
THE PENNSYLVANIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS PUBLICATION 408/2020, CURRENT EDITION, ARE APPLICABLE TO THIS PROJECT.

D. RECYCLING

ALL BUILDING MATERIALS AND WASTES SHALL BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE DEPARTMENTS SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA CODE 260. 1 ET SEQ 271.1 AND 287.1 ET SEQ. NO BUILDING MATERIALS OR WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURNED, DUMPED, OR DISCHARGED AT THE SITE.

jlkerson 10:37:34 AM 2/24/2026 G:\2025\25052 - Beaver County Haz Mit Plan Building\PROJECTS\02-25052-HAZ-MAT-ES-2-3-Notes.dgn

	<p>PROJECT #: 25052</p> <p>FIELD BOOK #: ###</p> <p>DRAWN: JWL</p> <p>CHECKED: TSF</p> <p>DATE: FEBRUARY, 2026</p> <p>SCALE: AS NOTED</p>						
<p>REVISIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 80%;">TYPE</th> <th style="width: 20%;">BY</th> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>	TYPE	BY					<p>DATE</p>
TYPE	BY						
<p>WIDMER ENGINEERING INC.</p> <p>806 LINCOLN PLACE, BEAVER FALLS, PA 15010</p>							
<p>BEAVER COUNTY BOARD OF COMMISSIONERS</p> <p>BEAVER COUNTY, PENNSYLVANIA</p>							
<p>SHEET NUMBER</p> <p>ES3</p>							



NOTES:

LOW VOLUME FILTER BAGS SHALL BE MADE FROM NON-WOVEN GEOTEXTILE MATERIAL SEWN WITH HIGH STRENGTH, DOUBLE STITCHED "J" TYPE SEAMS. THEY SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS. HIGH VOLUME FILTER BAGS SHALL BE MADE FROM WOVEN GEOTEXTILES THAT MEET THE FOLLOWING STANDARDS:

PROPERTY	TEST METHOD	MINIMUM STANDARD
AVG. WIDE WIDTH STRENGTH	ASTM D-4884	60 LB/IN
GRAB TENSILE	ASTM D-4632	205 LB
PUNCTURE	ASTM D-4833	110 LB
MULLEN BURST	ASTM D-3786	350 PSI
UV RESISTANCE	ASTM D-4355	70%
AOS % RETAINED	ASTM D-4751	80 SIEVE

A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES SHALL BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 1/2 FULL OF SEDIMENT. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED. BAGS SHALL BE PLACED ON STRAPS TO FACILITATE REMOVAL UNLESS BAGS COME WITH LIFTING STRAPS ALREADY ATTACHED.

BAGS SHALL BE LOCATED IN WELL-VEGETATED (GRASSY) AREA, AND DISCHARGE ONTO STABLE, EROSION RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE UNDERLAYMENT AND FLOW PATH SHALL BE PROVIDED. BAGS MAY BE PLACED ON FILTER STONE TO INCREASE DISCHARGE CAPACITY. BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 5%. FOR SLOPES EXCEEDING 5%, CLEAN ROCK OR OTHER NON-ERODIBLE AND NON-POLLUTING MATERIAL MAY BE PLACED UNDER THE BAG TO REDUCE SLOPE STEEPNESS.

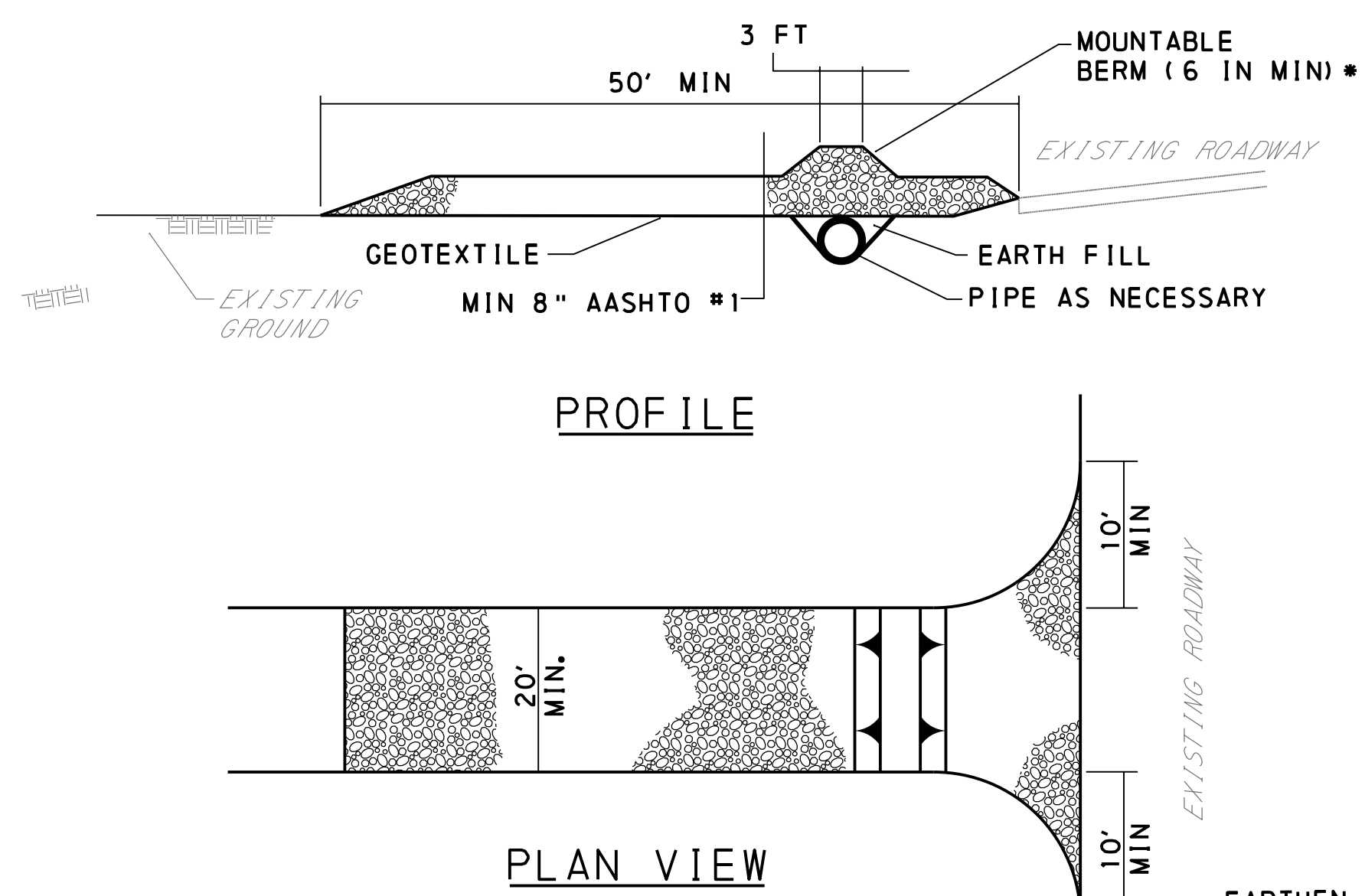
NO DOWNSLOPE SEDIMENT BARRIER IS REQUIRED FOR MOST INSTALLATIONS. COMPOST BERM OR COMPOST FILTER SOCK SHALL BE INSTALLED BELOW BAGS LOCATED IN HQ OR EV WATERSHEDS, WITHIN 50 FEET OF ANY RECEIVING SURFACE WATER OR WHERE GRASSY AREA IS NOT AVAILABLE.

THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED. A PIECE OF PVC PIPE IS RECOMMENDED FOR THIS PURPOSE.

THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHALL BE FLOATING AND SCREENED.

FILTER BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.

**STANDARD CONSTRUCTION DETAIL #3-16
PUMPED WATER FILTER BAG
NOT TO SCALE**



NOTES:

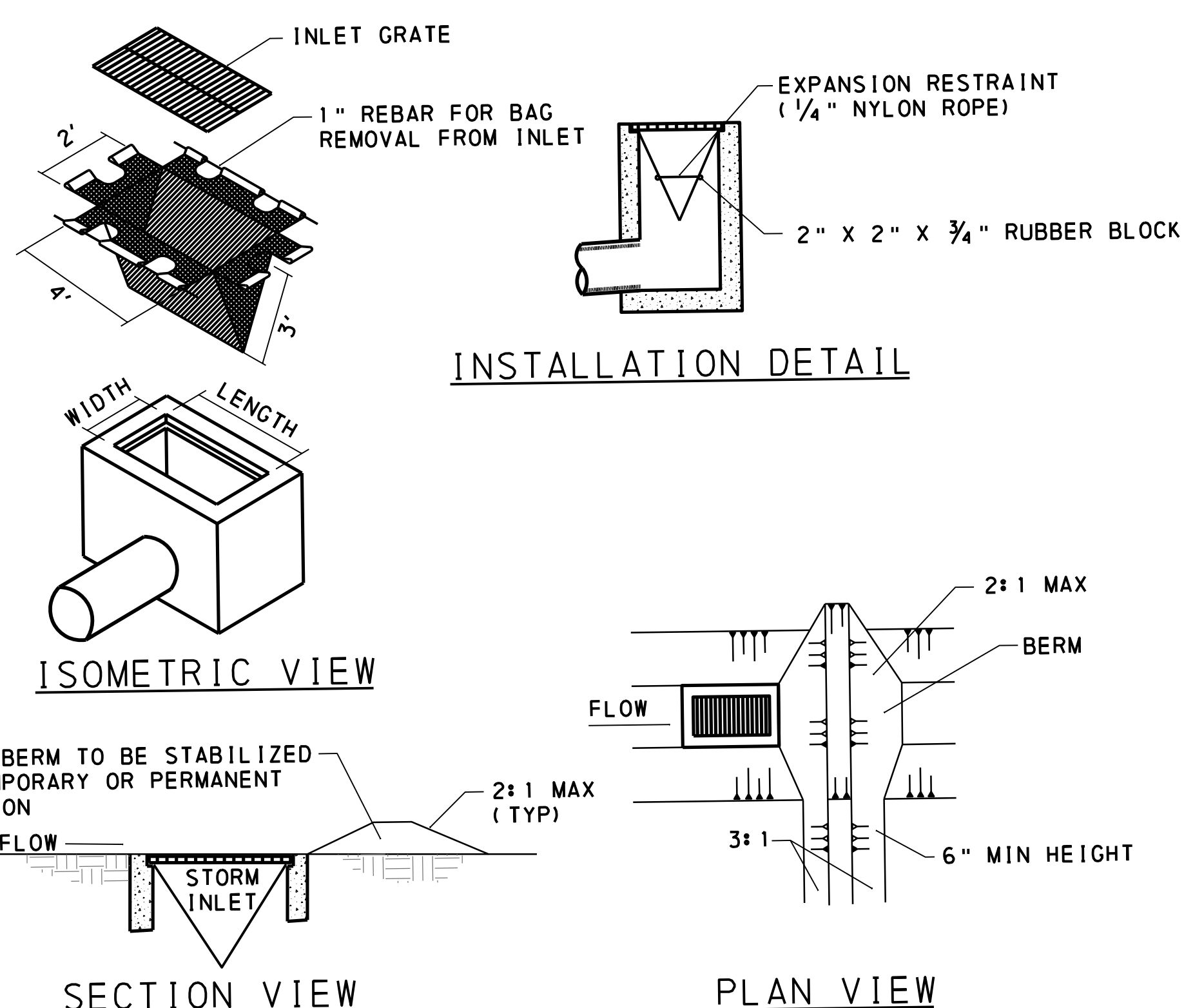
REMOVE TOPSOIL PRIOR TO INSTALLATION OF ROCK CONSTRUCTION ENTRANCE. EXTEND ROCK OVER FULL WIDTH OF ENTRANCE.

RUNOFF SHALL BE DIVERTED FROM ROADWAY TO A SUITABLE SEDIMENT REMOVAL BMP PRIOR TO ENTERING ROCK CONSTRUCTION ENTRANCE.

MOUNTABLE BERM SHALL BE INSTALLED WHEREVER OPTIONAL CULVERT PIPE IS USED AND PROPER PIPE COVER AS SPECIFIED BY MANUFACTURER IS NOT OTHERWISE PROVIDED. PIPE SHALL BE SIZED APPROPRIATELY FOR SIZE OF DITCH BEING CROSSED.

MAINTENANCE: ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE IMMEDIATELY. IF EXCESSIVE AMOUNTS OF SEDIMENT ARE BEING DEPOSITED ON ROADWAY, EXTEND LENGTH OF ROCK CONSTRUCTION ENTRANCE BY 50 FOOT INCREMENTS UNTIL CONDITION IS ALLEVIATED OR INSTALL WASH RACK. WASHING THE ROADWAY OR SWEEPING THE DEPOSITS INTO ROADWAY DITCHES, SEWERS, CULVERTS, OR OTHER DRAINAGE COURSES IS NOT ACCEPTABLE.

**STANDARD CONSTRUCTION DETAIL #3-1
ROCK CONSTRUCTION ENTRANCE
NOT TO SCALE**



NOTES:

MAXIMUM DRAINAGE AREA = 1/2 ACRE.

INLET PROTECTION SHALL NOT BE REQUIRED FOR INLET TRIBUTARY TO SEDIMENT BASIN OR TRAP. BERMS SHALL BE REQUIRED FOR ALL INSTALLATIONS.

ROLLED EARTHEN BERM IN ROADWAY SHALL BE MAINTAINED UNTIL ROADWAY IS STONED. ROAD SUBBASE BERM ON ROADWAY SHALL BE MAINTAINED UNTIL ROADWAY IS PAVED. EARTHEN BERM IN CHANNEL SHALL BE MAINTAINED UNTIL PERMANENT STABILIZATION IS COMPLETED OR REMAIN PERMANENTLY.

AT A MINIMUM, THE FABRIC SHALL HAVE A MINIMUM GRAB TENSILE STRENGTH OF 120 LBS, A MINIMUM BURST STRENGTH OF 200 PSI, AND A MINIMUM TRAPEZOIDAL TEAR STRENGTH OF 50 LBS. FILTER BAGS SHALL BE CAPABLE OF TRAPPING ALL PARTICLES NOT PASSING A NO 40 SIEVE.

INLET FILTER BAGS SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT. BAGS SHALL BE EMPTIED AND RINSED OR REPLACED WHEN HALF FULL OR WHEN FLOW CAPACITY HAS BEEN REDUCED SO AS TO CAUSE FLOODING OR BYPASSING OF THE INLET. DAMAGED OR CLOGGED BAGS SHALL BE REPLACED. A SUPPLY SHALL BE MAINTAINED ON SITE FOR REPLACEMENT OF BAGS. ALL NEEDED REPAIRS SHALL BE INITIATED IMMEDIATELY AFTER THE INSPECTION. DISPOSE ACCUMULATED SEDIMENT AS WELL AS ALL USED BAGS ACCORDING TO THE PLAN NOTES.

DO NOT USE ON MAJOR PAVED ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.

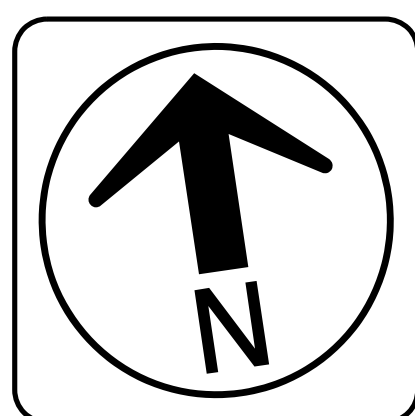
**STANDARD CONSTRUCTION DETAIL #4-16
FILTER BAG INLET PROTECTION - TYPE M INLET
NOT TO SCALE**

REVISIONS	DATE	BY	CHK

WIDMER ENGINEERING INC.
806 LINCOLN PLACE, BEAVER FALLS, PA 15010

EROSION AND SEDIMENT CONTROL DETAILS
BEAVER COUNTY BOARD OF COMMISSIONERS
BEAVER COUNTY, PENNSYLVANIA

PROJECT #:	25052
FIELD BOOK #:	###
DRAWN:	JWL
CHECKED:	TSF
DATE:	FEBRUARY, 2026
SCALE:	AS NOTED



REVISIONS	DATE	TYPE	BY	CHK

DATE	TYPE	BY	CHK

WE
WIDMER ENGINEERING
INC.
806 LINCOLN PLACE, BEAVER FALLS, PA 15010

EXISTING CONDITIONS PLAN
BEAVER COUNTY
BOARD OF COMMISSIONERS
BEAVER COUNTY, PENNSYLVANIA

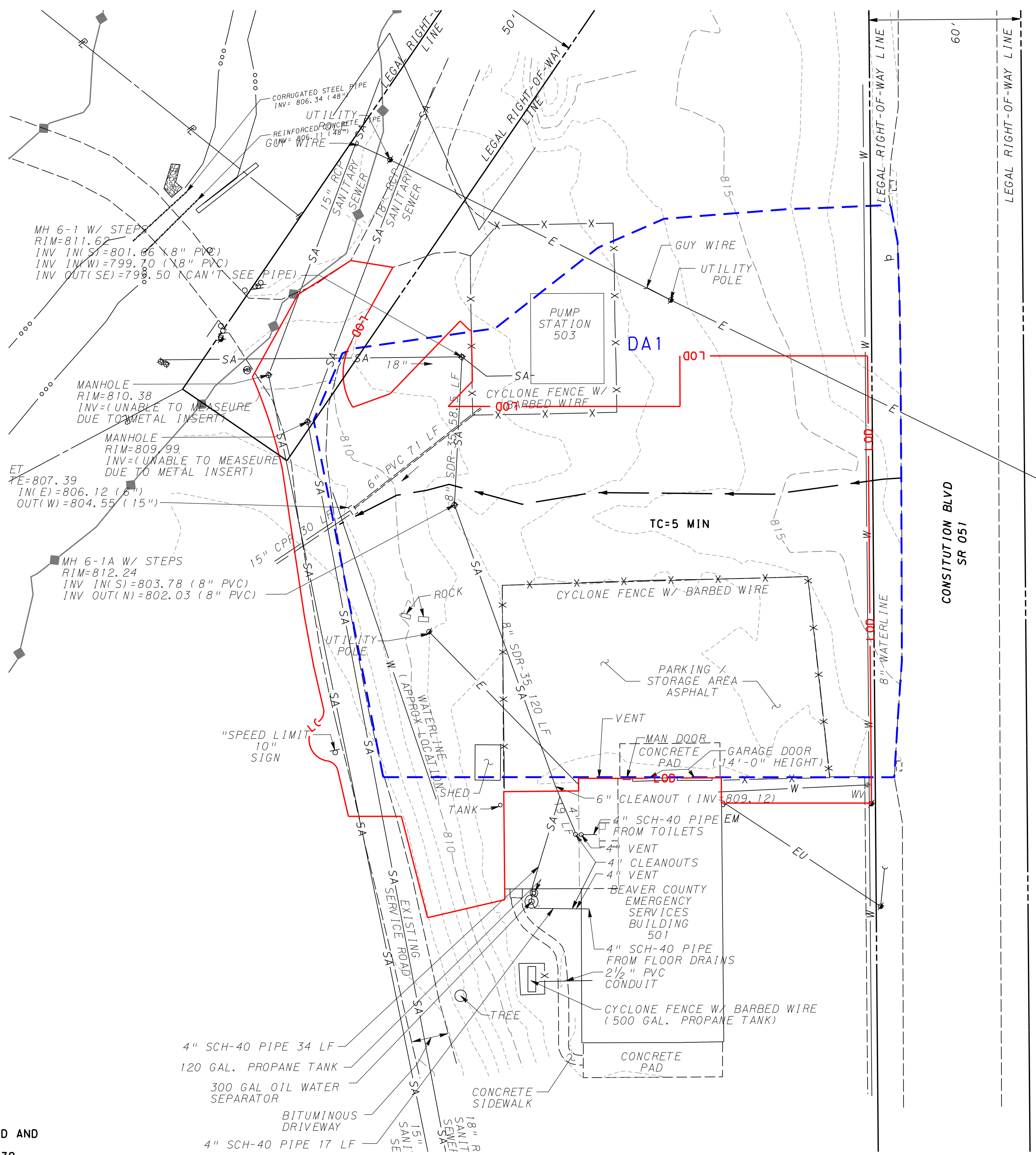
PROJECT #:	25052
FIELD BOOK #:	###
DRAWN:	JWL
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SCALE:	AS NOTED

SHEET NUMBER
PCSM 1

LEGEND

- EXISTING PROPERTY LINE
- EXISTING EDGE OF PAVEMENT
- EXISTING EDGE OF ROAD
- EXISTING DRIVEWAY
- EXISTING MAJOR CONTOURS
- EXISTING MINOR CONTOURS
- EXISTING BUILDING
- EXISTING BURIED ELECTRIC
- EXISTING ABOVE GROUND ELECTRIC
- EXISTING CATCH BASIN
- EXISTING LIGHT POLE
- EXISTING ELECTRIC METER
- EXISTING GAS TANK
- EXISTING SANITARY MANHOLE
- EXISTING ELECTRIC POLE
- EXISTING SIGN
- EXISTING MAILBOX
- LEGAL RIGHT OF WAY
- SUBJECT PROPERTY LINE
- EXISTING DRAINAGE AREA
- LIMIT OF DISTURBANCE
- 50' CLEMENT RUN FLOODWAY

SCALE
0 25 50 FEET
1" = 25'



PCSM INDEX OF DRAWINGS

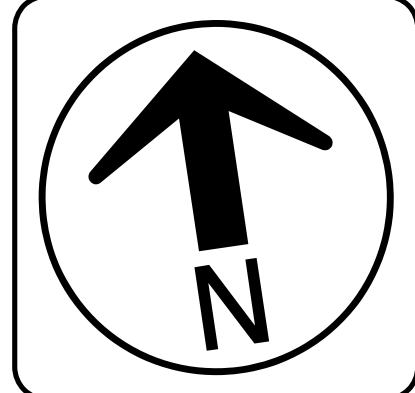
SHEET	DESCRIPTION
PCSM 1	EXISTING CONDITIONS PLAN
PCSM 2	PROPOSED CONDITIONS PLAN
PCSM 3,4	DRAINAGE DETAILS

MUNICIPAL ACCESS TO STORMWATER FACILITIES

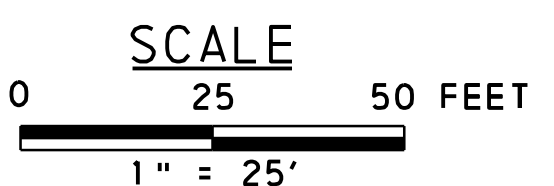
THE TOWNSHIP SHALL HAVE ACCESS THROUGH THE NEAREST PUBLIC RIGHT OF WAY TO INPSECT ALL STORMWATER FACILITIES.

CERTIFICATION OF MUNICIPAL ENGINEER

I, _____, ON THIS DATE, _____, HAVE REVIEWED AND HEREBY CERTIFY THAT THE SWM SITE PLAN MEETS ALL DESIGN STANDARDS AND CRITERIA OF THE MUNICIPAL ORDINANCE NO 479, EXCEPT WHERE WAIVERS HAVE BEEN GRANTED AS NOTED ON THE PLAN. THE REVIEW IS BASED ON A SURVEY AND PLAN PREPARED BY OTHERS AND ASSUMES THAT ALL INFORMATIN IS CORRECT AND VALID AS SUBMITTED.



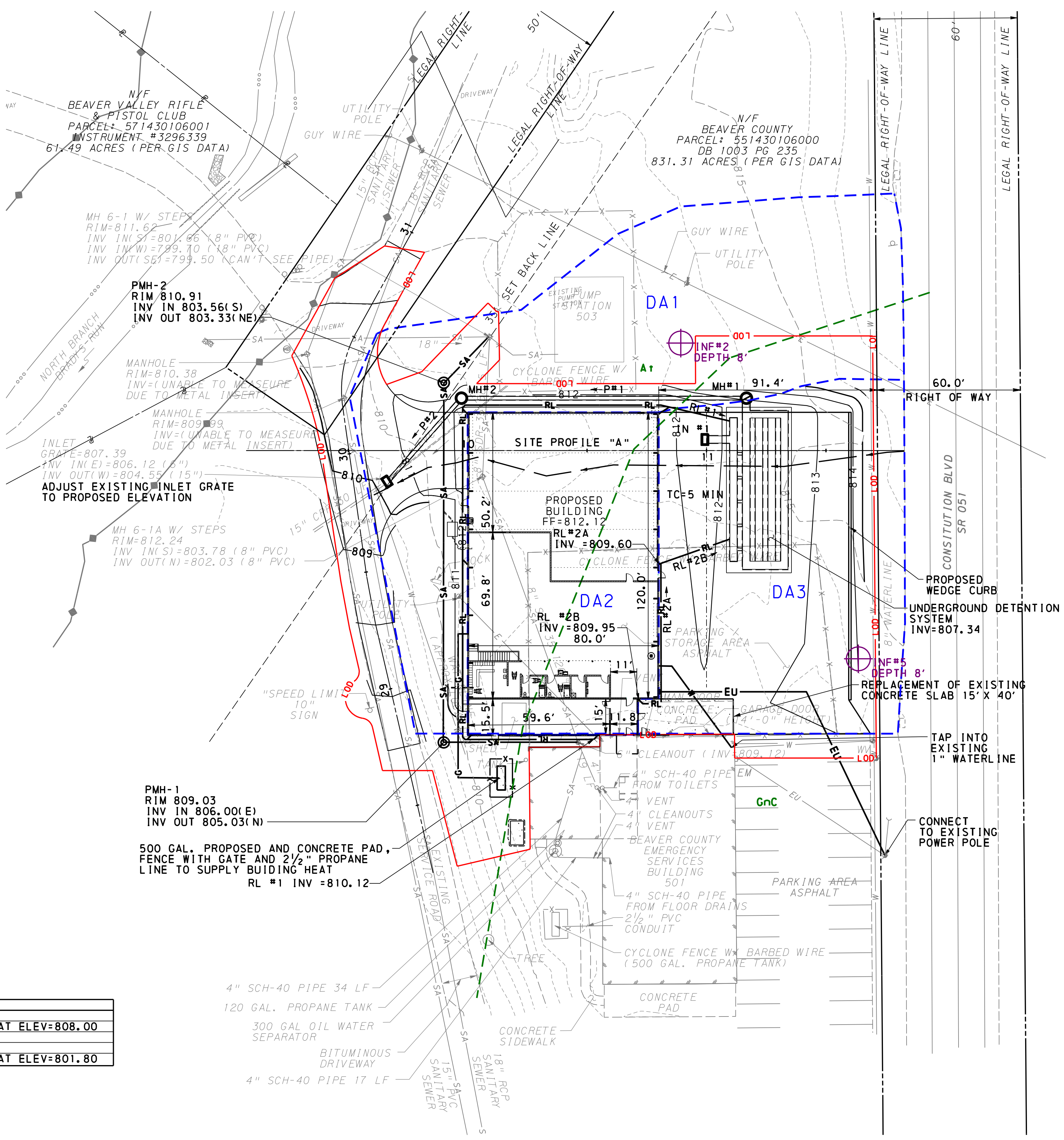
- EXISTING PROPERTY LINE
- - - EXISTING EDGE OF PAVEMENT
- - - EXISTING EDGE OF ROAD
- - - EXISTING DRIVEWAY
- 1420 - EXISTING MAJOR CONTOURS
- 1419 - EXISTING MINOR CONTOURS
- - - EXISTING BUILDING
- EU - EXISTING BURIED ELECTRIC
- E - EXISTING ABOVE ELECTRIC
- - - EXISTING ELECTRIC POLE
- - - LEGAL RIGHT OF WAY
- - - PROPOSED PROPERTY LINE
- 1420 - PROPOSED MAJOR CONTOURS
- 1419 - PROPOSED MINOR CONTOURS
- EU - PROPOSED ABOVE ELECTRIC
- G - PROPOSED GAS LINE
- - - PROPOSED STORM WATER LINE
- SA - PROPOSED SEWER LINE
- W - PROPOSED WATER LINE
- - - PROPOSED WEDGE CURB
- - - PROPOSED CATCH BASIN
- - - PROPOSED DRAINAGE AREA
- - - 50' CLEMENT RUN FLOODWAY
- - - SOIL CLASSIFICATION
- - - LIMIT OF DISTURBANCE



- RL #1
306 LF 12" HDPE
@ 0.37%
INV(IN)=810.12
INV(OUT)=808.99
- RL #2A
69 LF 8" PVC
@ 0.50%
INV(IN)=809.95
INV(OUT)=809.60
- RL #2B
30 LF 8" PVC
@ 0.50%
INV(IN)=809.60
INV(OUT)=809.45
- IN #1
TYPE M FRAME & GRATE
STANDARD BOX
TOP=811.84
INV(OUT)=807.34(36")
- MH #1
TYPE 5 MANHOLE
TOP=813.21
INV(IN)=807.34(36")
INV(OUT)=806.84(12")
- P #1
115.29 LF 12" HDPE
@ 0.50%
- MH #2
TYPE 4 MANHOLE
TOP=811.64
INV(IN)=806.26(12")
INV(OUT)=806.26(12")
- P #2
42.47 LF 12" HDPE
@ 0.50%
- (EX INLET)
INSTALL RISER TO TOP=810.32
EX INV=806.05(6")
EX INV=804.55(15")
PR INV=806.12(12")

INF #	GRD EL	TEST EL	RATE	NOTES
INF-1	-	-	-	NOT PERFORMED
INF-2	815	807	-	GROUNDWATER TABLE AT ELEV=808.00
INF-3	-	-	-	NOT PERFORMED
INF-4	-	-	-	NOT PERFORMED
INF-5	815	807	-	GROUNDWATER TABLE AT ELEV=801.80

INFILTRATION TESTING ONLY COMPLETED FOR TESTS 2 AND 5 DUE TO HIGH GROUNDWATER TABLE



PMH-1
RIM=809.03
INV IN 806.00(E)
INV OUT 805.03(N)

500 GAL. PROPOSED AND CONCRETE PAD, FENCE WITH GATE AND 2 1/2" PROPANE LINE TO SUPPLY BUILDING HEAT
RL #1 INV =810.12

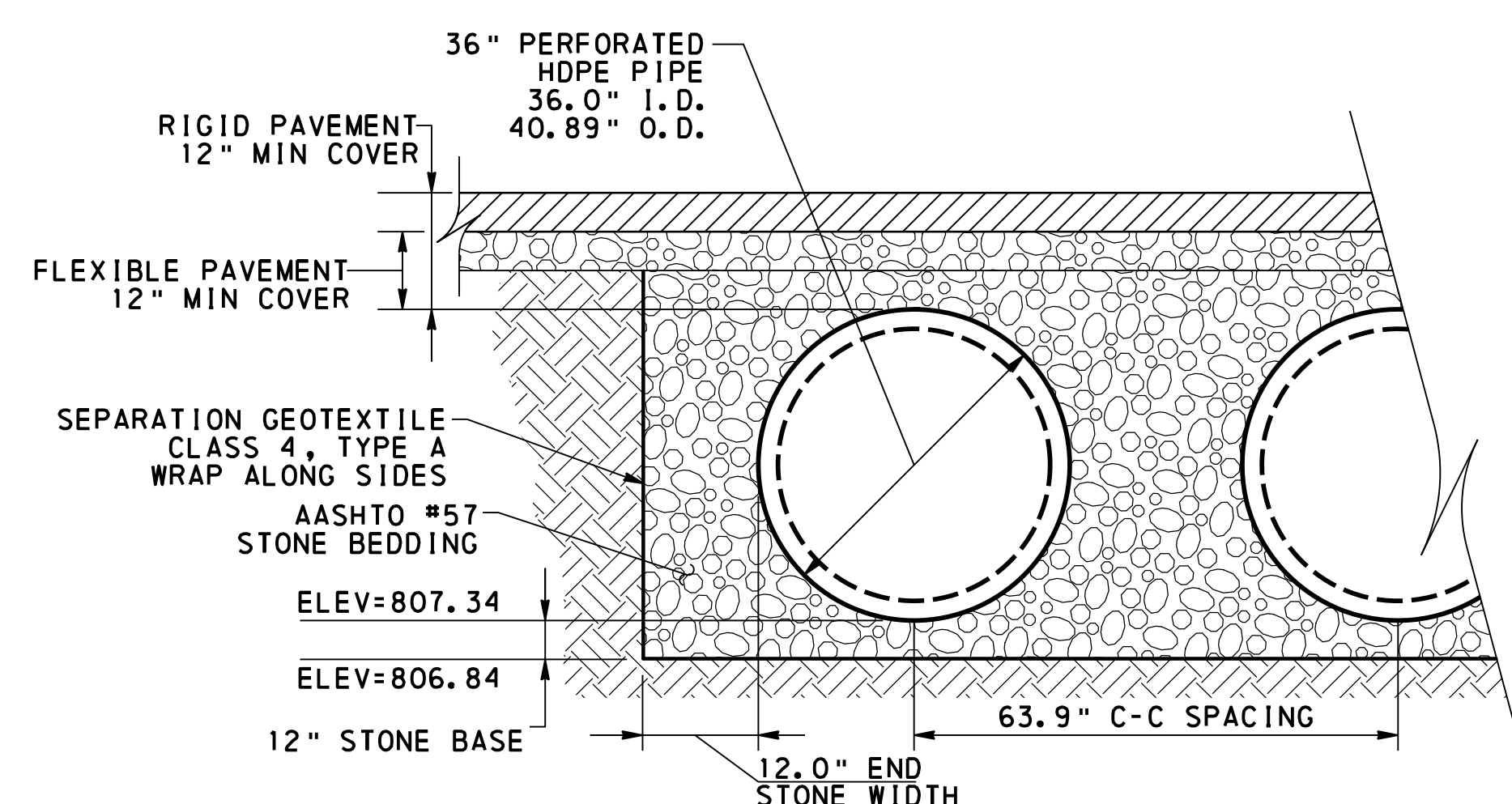
REVISIONS	DATE	TYPE	BY	CHK

WE
WIDMER ENGINEERING
INC.
806 LINCOLN PLACE, BEAVER FALLS, PA 15010

PROPOSED CONDITIONS PLAN
BEAVER COUNTY BOARD OF COMMISSIONERS
BEAVER COUNTY, PENNSYLVANIA

PROJECT #:	25052
FIELD BOOK #:	###
DRAWN:	JWL
CHECKED:	TSF
DATE:	FEBRUARY, 2026
SCALE:	AS NOTED

SHEET NUMBER
PCSM 2



DETENTION SYSTEM TYPICAL SECTION

NOT TO SCALE
 REFER TO MANUFACTURE SHOP DRAWINGS FOR INSTALLATION NOTES.
 INSTALL GEOTEXTILE ALONG SIDES TO SEPARATE BETWEEN SOIL AND STONE. DO NOT PLACE GEOTEXTILE ALONG BOTTOM OF DETENTION SYSTEM EXCAVATION.

OPERATION AND MAINTENANCE

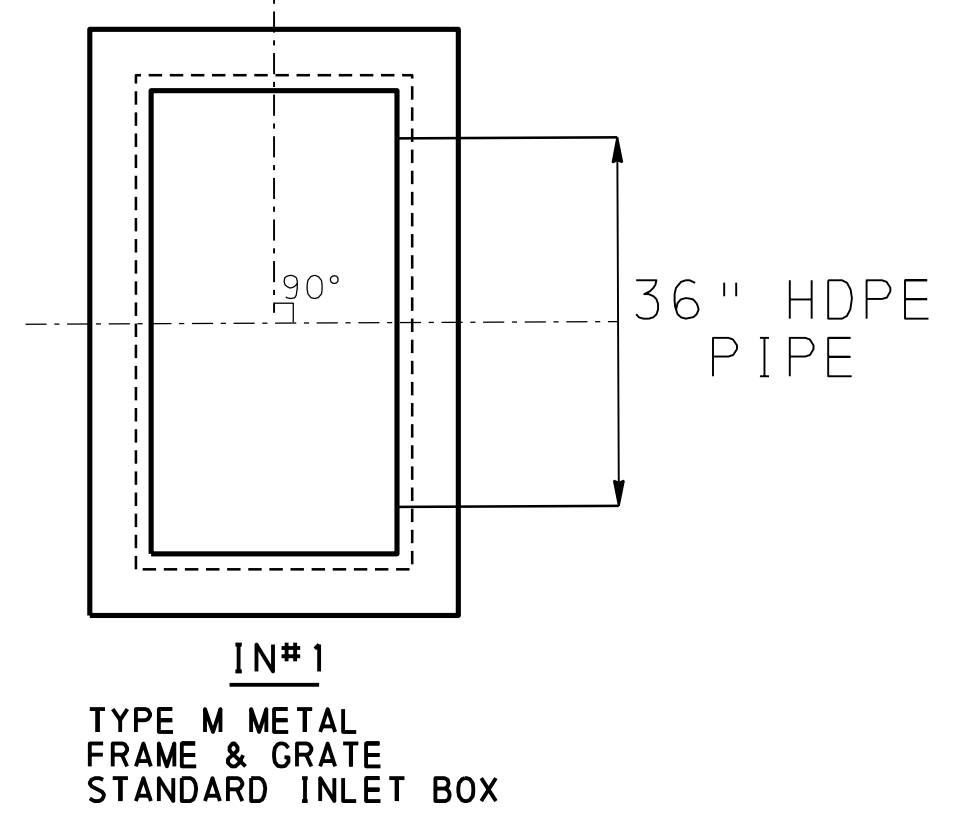
THE LANDOWNER WILL OWN, OPERATE, AND MAINTAIN THE DRAINAGE FACILITIES. THE LANDOWNER OR A DESIGNATED REPRESENTATIVE WILL COMPLETE A WRITTEN REPORT SEMI-ANNUALLY (ON OR ABOUT MARCH 1ST AND SEPTEMBER 1ST) DOCUMENTING EACH INSPECTION INCLUDED IN THIS SCHEDULE AND ANY CORRECTIVE REPAIRS. IF ANY DEFICIENCIES ARE DISCOVERED DURING ROUTINE MAINTENANCE AT ANY OTHER TIME OF THE YEAR, THE DEFECT WILL BE CORRECTED IMMEDIATELY, AND THE REPAIR WILL BE DOCUMENTED. ALL WRITTEN REPORTS DOCUMENTING INSPECTION, REPAIR, AND MAINTENANCE ACTIVITIES SHALL BE MADE AVAILABLE FOR REVIEW AND INSPECTION BY PADEP OR THE COUNTY CONSERVATION DISTRICT.

ROUTINE MAINTENANCE

- A) VEGETATED AREAS - RE-SEED ANY UNVEGETATED AREAS. ADDRESS ANY EROSION IF APPLICABLE.
- B) RETENTION AREAS - REMOVE ANY DEBRIS FROM OUTLET STRUCTURE. MAINTAIN GRASS HEIGHT SUCH THAT THE OUTLET STRUCTURE IS ALWAYS VISIBLE.
- C) CONVEYANCE FACILITIES (PIPES AND INLETS) - REMOVE ANY DEBRIS FROM PIPES AND INLET COVERS. FLUSH THE OUTLET PIPES FROM THE DRAINAGE BASIN AS PART OF EVERY ROUTINE INSPECTION.

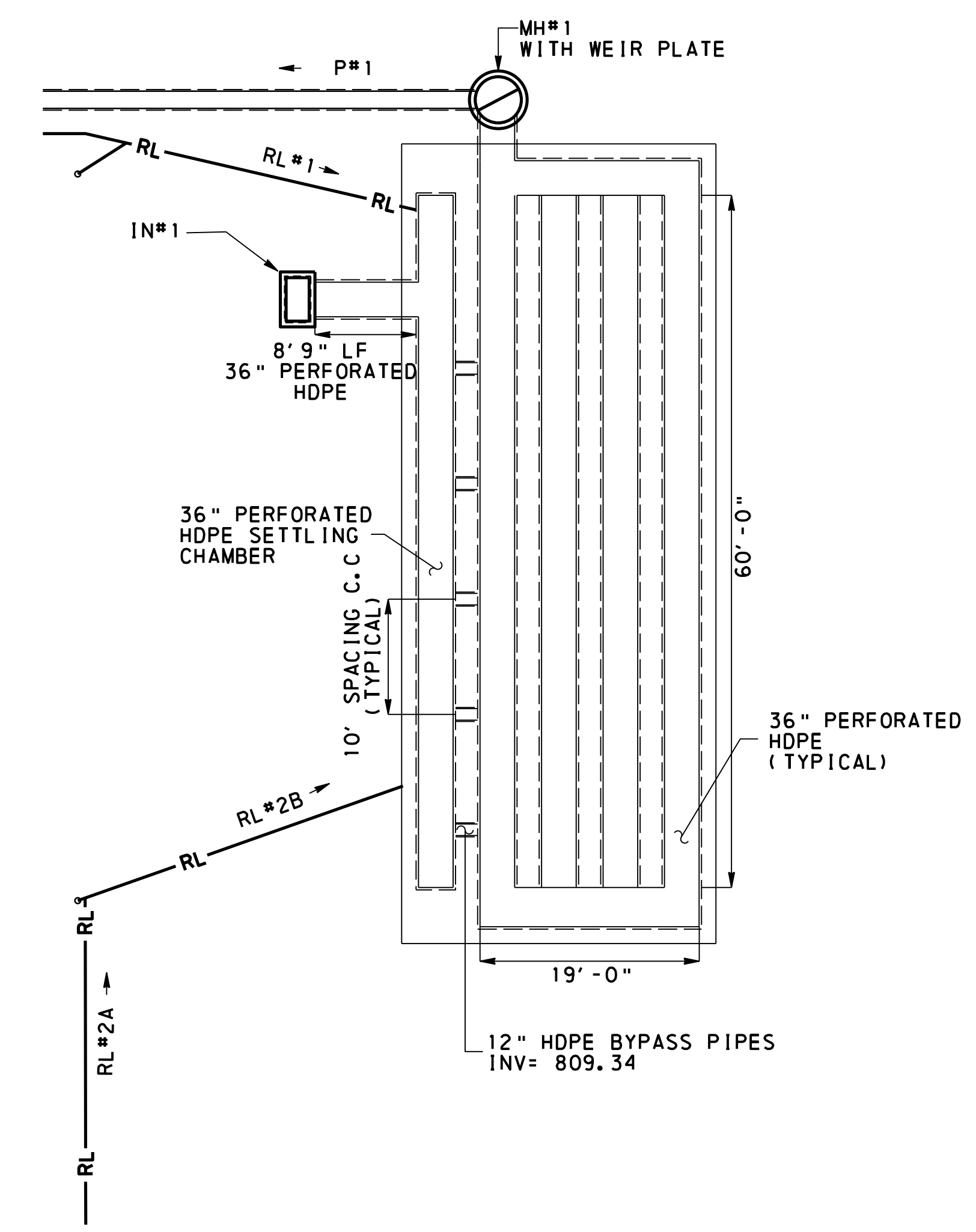
SEMI-ANNUAL INSPECTION

- A) VEGETATED AREAS - REVIEW GRADED SLOPES AND BENCHES FOR ANY EROSION AND VEGETATIVE CONDITION.
- B) RETENTION AREA - INSPECT FOR VEGETATIVE CONDITION, EROSION, SEDIMENT BUILDUP, ETC. WITHIN PONDING AREA. RE-SEED AS NECESSARY. INSPECT OUTLET STRUCTURE FOR DAMAGE AND REPAIR ACCORDING TO ORIGINAL DESIGN SPECIFICATIONS AS NECESSARY.
- C) CONVEYANCE FACILITIES - INSPECT FOR SEDIMENTATION. FLUSH ALL PIPES CLEAR OF DEBRIS IF NECESSARY. INSPECTIONS OF THE INLET FILTER BAGS ARE NOTED IN THE INLET FILTER PURE PRODUCT SHEET.

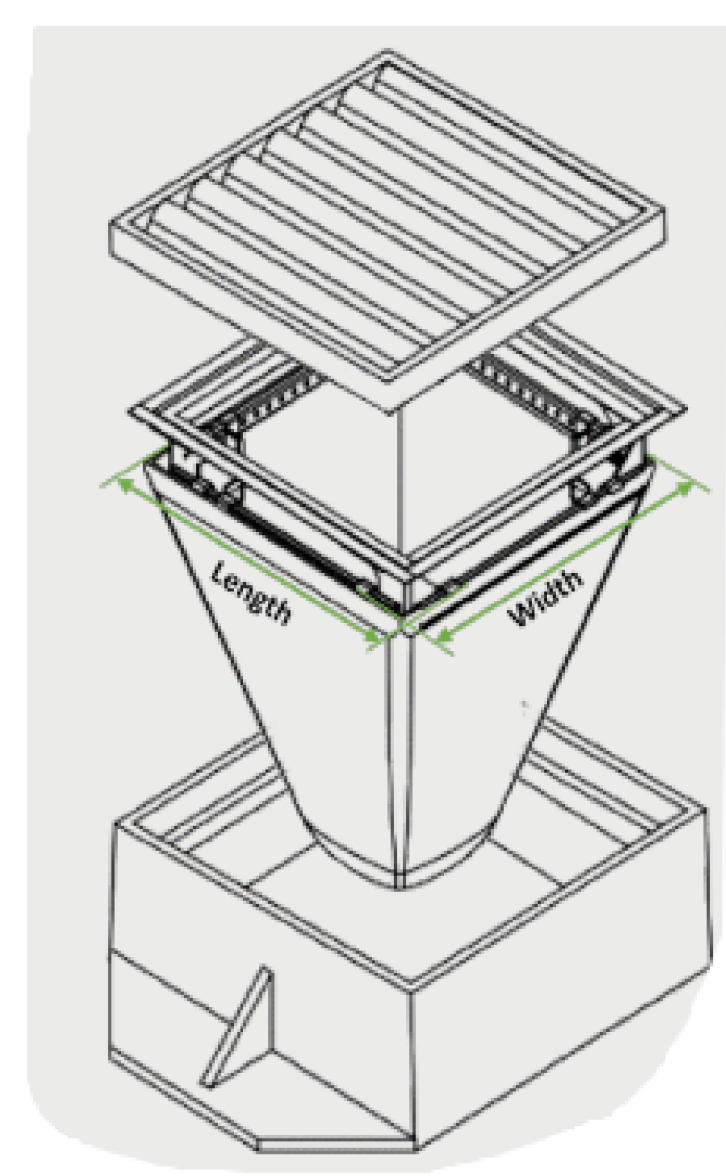
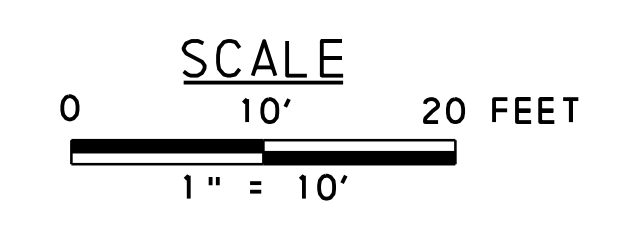


INLET STRUCTURE DETAILS

REFER TO PENNDOT RC 46M DRAWINGS FOR ADDITIONAL SPECIFICATIONS AND DETAILS FOR STANDARD INLET BOX AND TYPE M GRATE. ALL INLETS IN PAVEMENT SHALL USE HEAVY-DUTY, BICYCLE-SAFE GRATING. (IN#1, 2, AND 4). BICYCLE SAFE GRATES SHALL FOLLOW PENNDOT 72M RC-45M STANDARDS.



UNDERGROUND DETENTION SYSTEM



WATER QUALITY FILTER INSERT

NOT TO SCALE

NOTES:

DETAIL IS FOR PRESENTATION ONLY.
 USE FLEXSTORM PURE FX: STANDARD WOVEN BAG
 FOLLOW MANUFACTURER INSTALLATION INSTRUCTIONS.

REVISIONS	DATE	BY	CHK

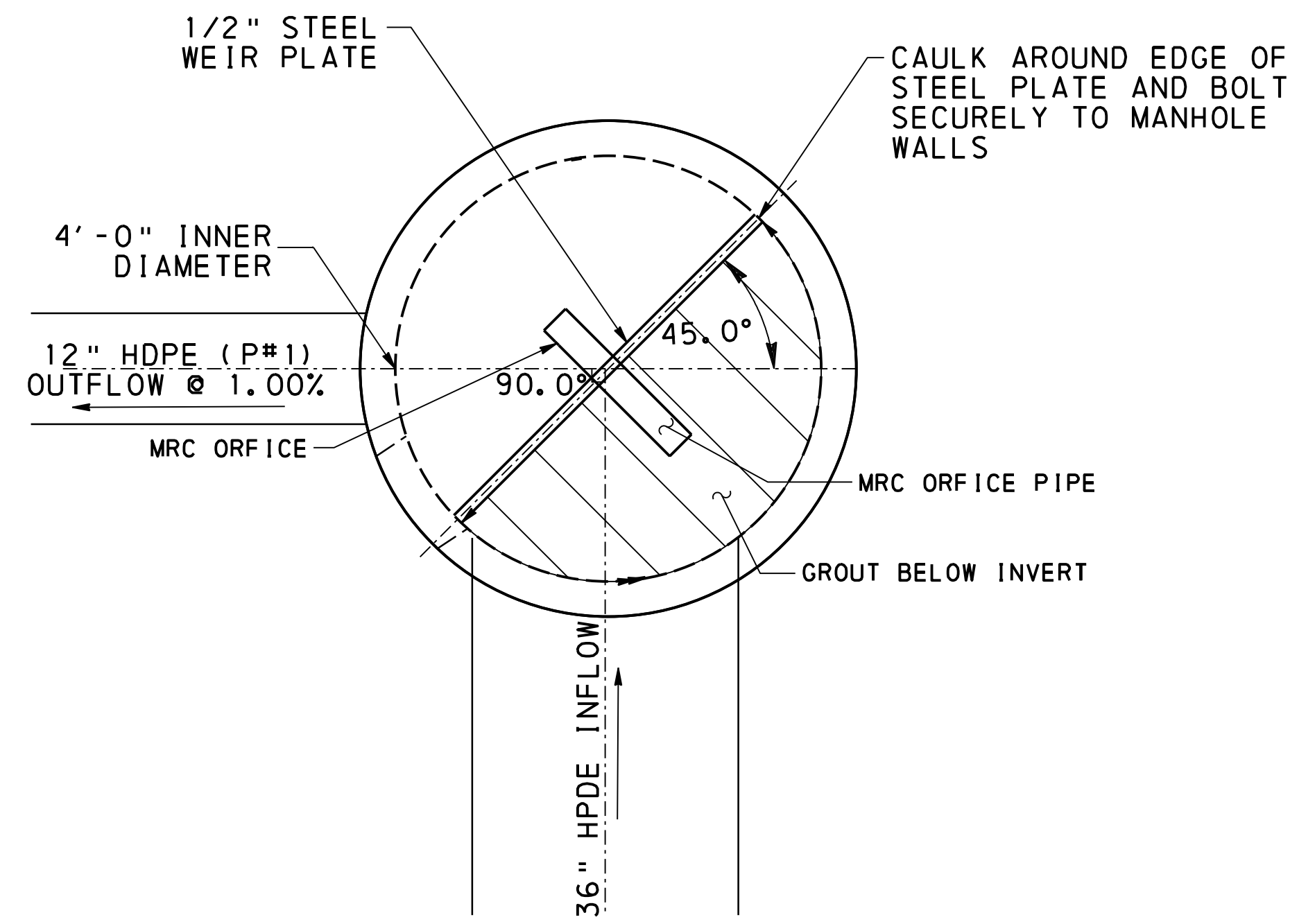
WE
WIDMER ENGINEERING
 INC.
 806 LINCOLN PLACE, BEAVER FALLS, PA 15010

DRAINAGE DETAILS
 BEAVER COUNTY
 BOARD OF COMMISSIONERS
 BEAVER COUNTY, PENNSYLVANIA

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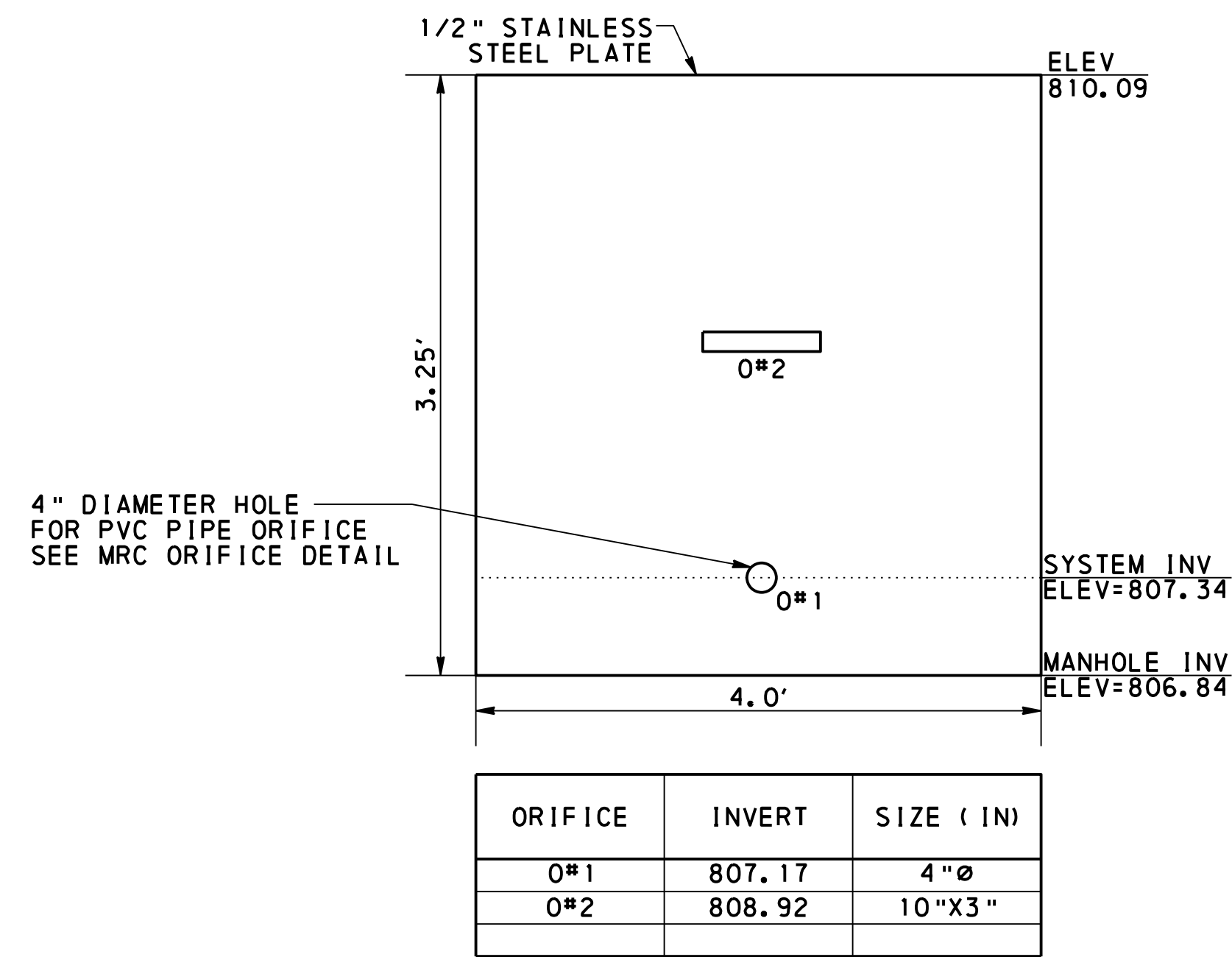
SHEET NUMBER
PCSM3

jlwson
 10:37:36 AM
 2/24/2026
 G:\2025\25052 - Beaver County Haz Mat Pole Building\PROJ\PLT\PCSM 3-4-25052-HAZ-MAT-Drainage-Details.dgn



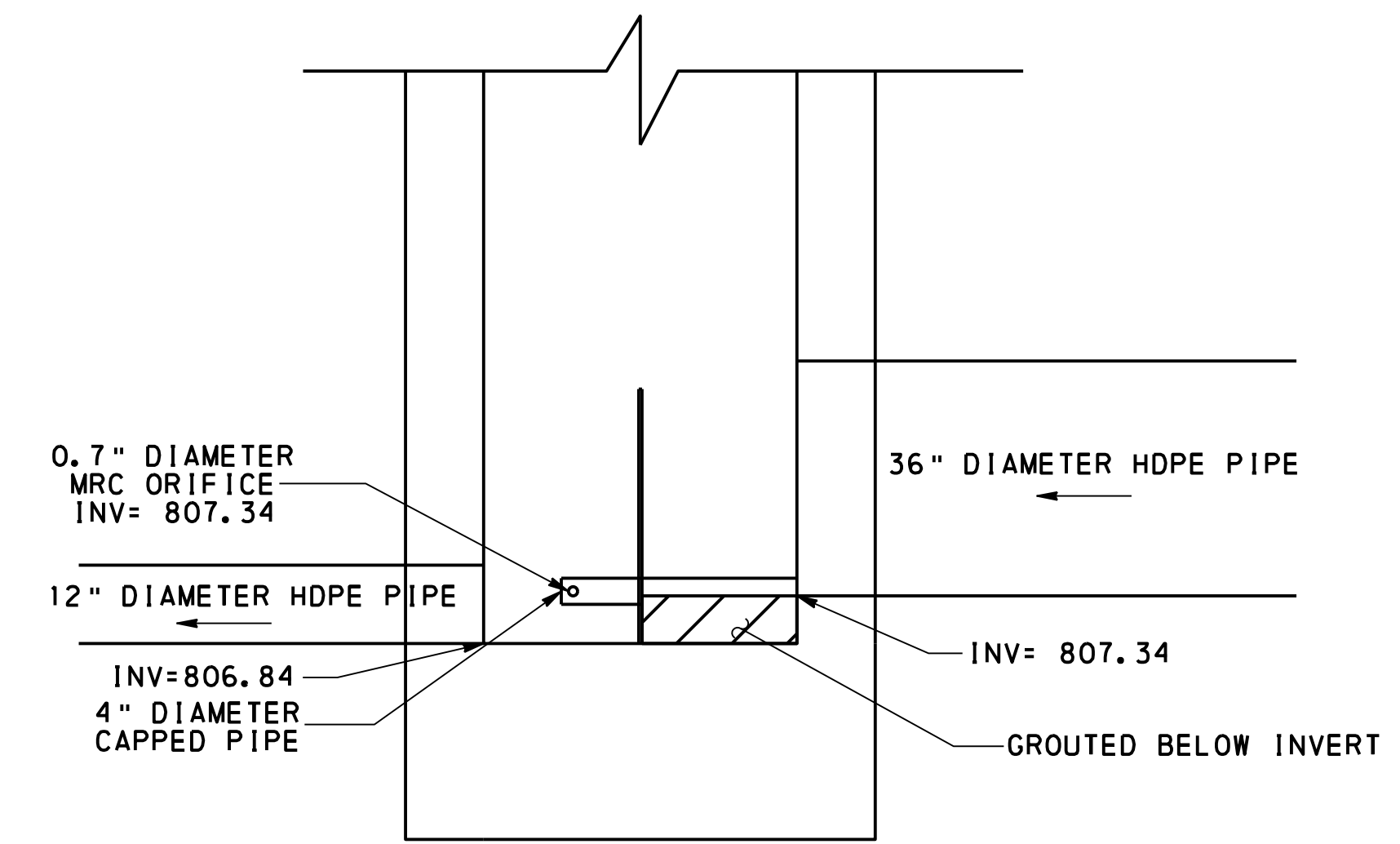
STANDARD MANHOLE WITH WEIR PLATE
NOT TO SCALE

REFER TO PENNDOT RC-39M FOR PRECAST, TYPE 5 MANHOLE DETAIL AND SPECIFICATIONS.
THE MANHOLE SHALL BE EQUIPPED WITH LADDER RUNGS AS OUTLINED IN THE RC-39M STANDARDS FOR TYPE-4 MANHOLES.



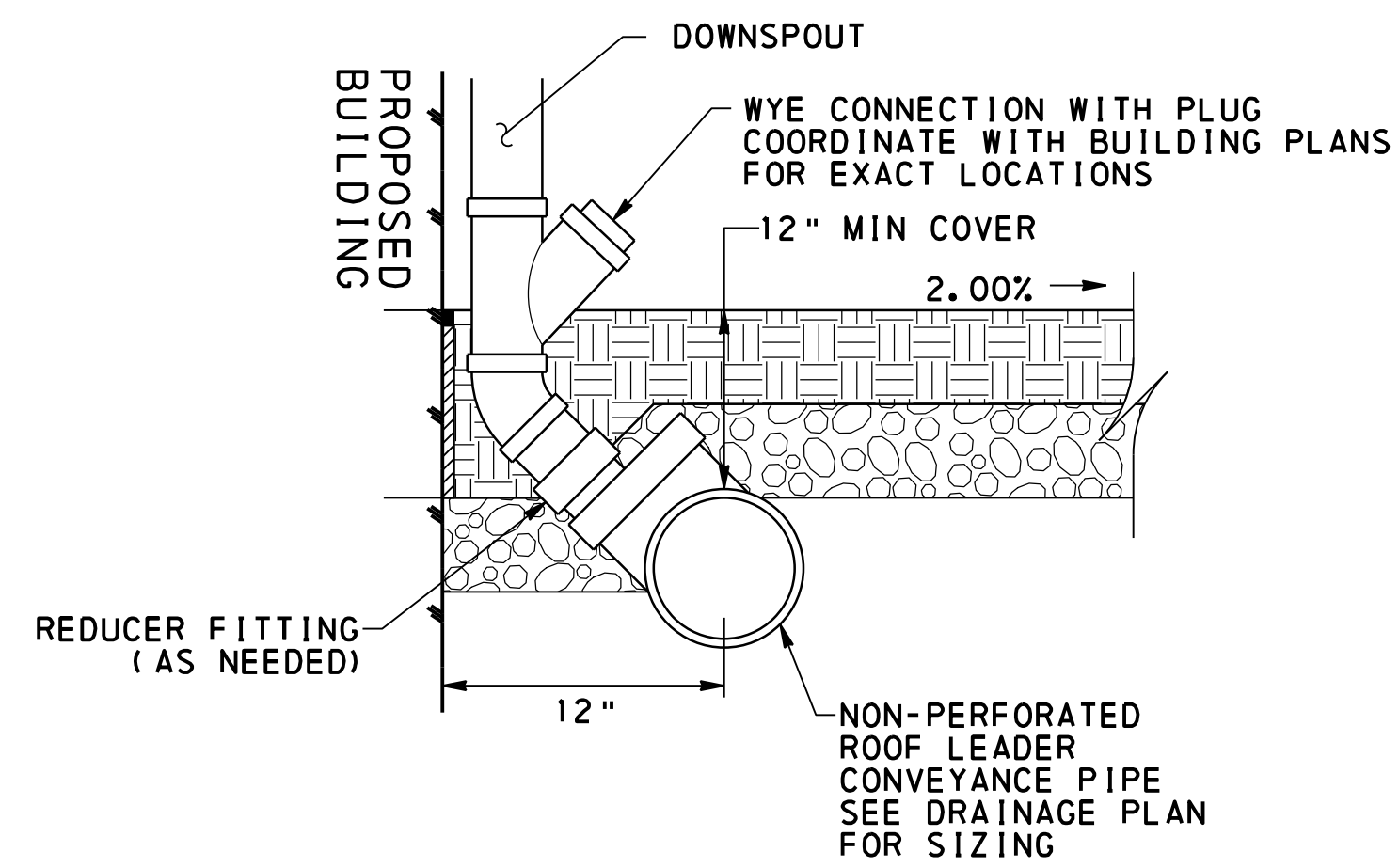
MH#1 WEIR PLATE
NOT TO SCALE

BOLT STEEL PLATE IN PLACE USING MINIMUM 1/2" THICK STEEL ANGLE. USE MINIMUM 3/8 DIA. BOLT.
THE ORIFICE CONTROL PLATE IS TO BE MADE OF STEEL. THE PLATE SHALL BE COATED TO REDUCE/PREVENT CORROSION.

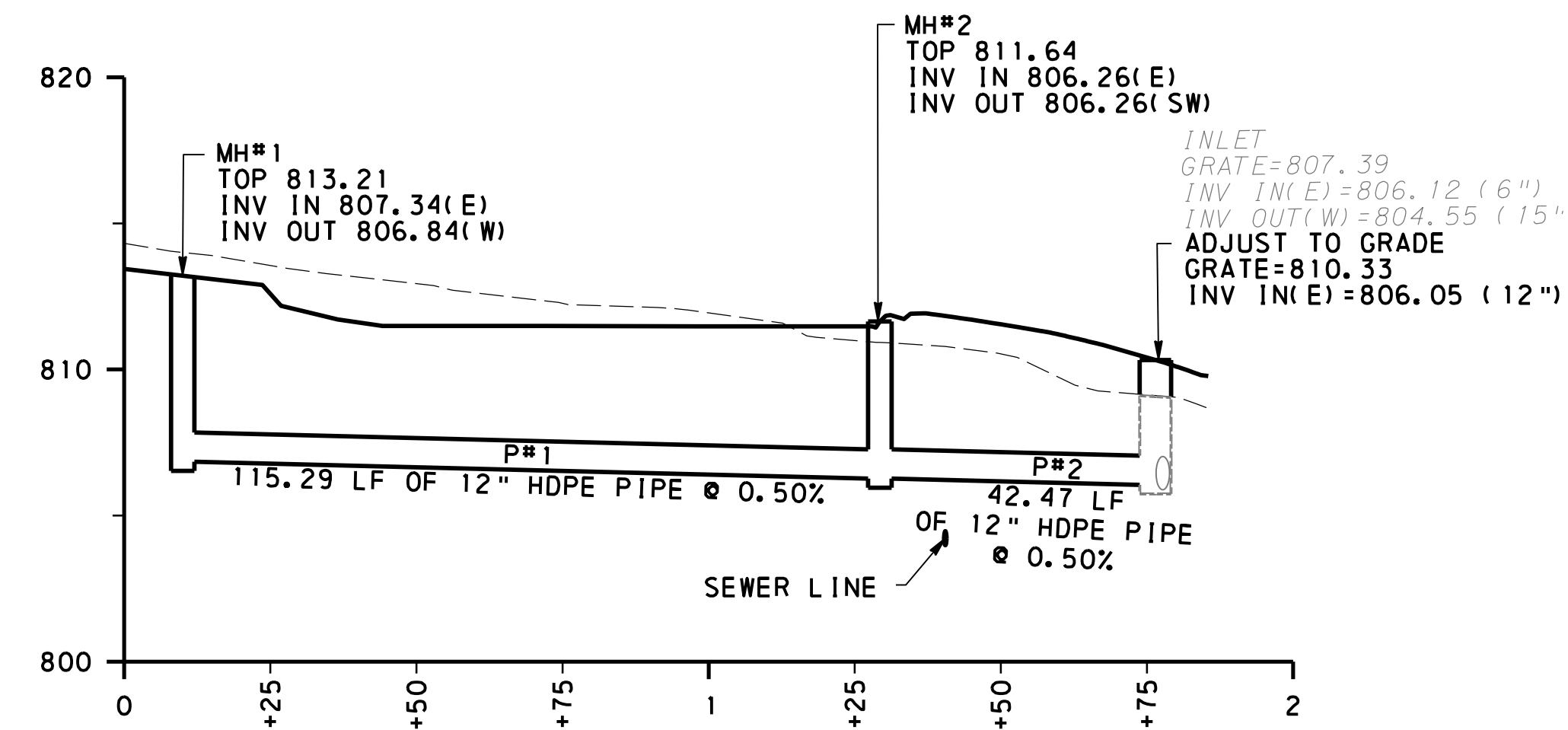


MH#1 MRC ORIFICE
NOT TO SCALE

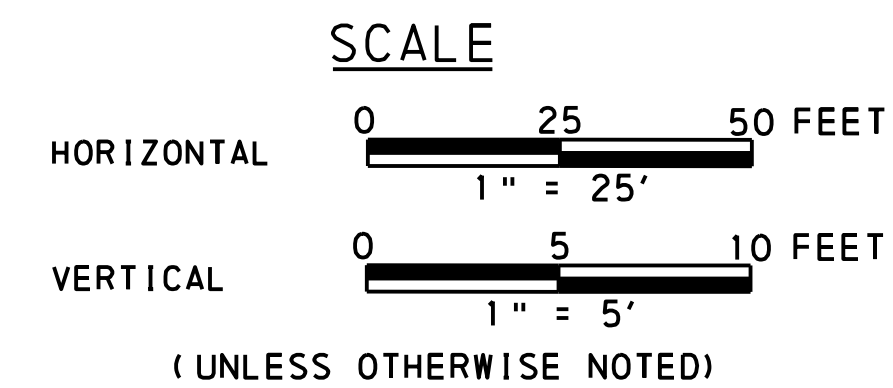
THE MRC ORIFICE PIPE MUST BE SEALED THROUGH THE HOLE USING WATERPROOFING SEALING TECHNIQUES.



ROOF LEADER CONVEYANCE PIPE CONNECTION
NOT TO SCALE



PIPE PROFILE



REVISIONS	TYPE	BY	CHK	DATE

WE
WIDMER ENGINEERING
806 LINCOLN PLACE, BEAVER FALLS, PA 15010

DRAINAGE DETAILS

BEAVER COUNTY
BOARD OF COMMISSIONERS

BEAVER COUNTY, PENNSYLVANIA

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SHEET NUMBER
PCSM4