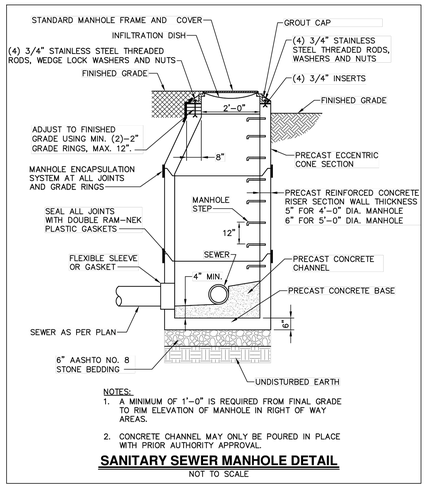


NOTES:
1. SEE SANITARY SEWER MANHOLE DETAIL FOR ADDITIONAL INFORMATION.
2. INSTALL MANHOLE STEPS IN LOCATION THAT DOES NOT CONFLICT WITH DROP CONNECTION.

INTERIOR DROP SEWER MANHOLE DETAIL

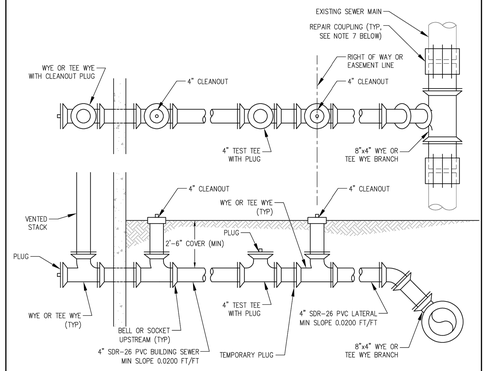
NOT TO SCALE



NOTES:
1. A MINIMUM OF 1'-0" IS REQUIRED FROM FINAL GRADE TO RIM ELEVATION OF MANHOLE IN RIGHT OF WAY AREAS.
2. CONCRETE CHANNEL MAY ONLY BE POURED IN PLACE WITH PRIOR AUTHORITY APPROVAL.

SANITARY SEWER MANHOLE DETAIL

NOT TO SCALE



NOTES:
1. BUILDING SEWER FROM RIGHT OF WAY LINE TO BUILDING PLUMBING SYSTEM SHALL CONFORM TO THE INTERNATIONAL PLUMBING CODE ADOPTED BY TOWNSHIP.
2. TEMPORARY PLUG TO REMAIN IN LATERAL UNTIL CONSTRUCTION OF BUILDING SEWER OCCURS. BUILDING SEWER SHALL BE PLUGGED AT TEST TEE UNTIL CONSTRUCTION IS COMPLETED AND TESTED.
3. PIPE TO BE EMBEDDED IN 1B STONE OR SCREENINGS AS PER ENGINEER.
4. VENTED TRAP IS NOT REQUIRED ON NEW CONSTRUCTION.
5. A VENTED TRAP SHALL BE PROVIDED AT THE RIGHT OF WAY LINE ON EXISTING HOMES CONNECTING TO THE SANITARY SEWER SYSTEM.
6. CLEANOUT TO BE LOCATED AT RIGHT OF WAY THEN AT EVERY 50' INTERVALS FOR 4" PVC PIPE AND 100' INTERVALS FOR 6" PVC PIPE.
7. REPAIR COUPLINGS SHALL BE SOLID SLEEVE FOR PVC OR DUCTILE IRON SANITARY SEWERS. REPAIR COUPLINGS FOR VCP SANITARY SEWERS SHALL BE MAX ADAPTOR;OR APPROVED EQUAL COUPLINGS.

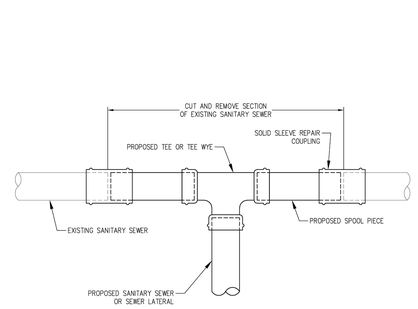
SERVICE CONNECTION TO EXISTING SANITARY SEWER

CONSTRUCTION DETAIL S-8a

Ebert Engineering, Inc.
Water and Wastewater Engineering
PO Box 540
4397 Skippack Pike
Skippack, PA 19474
Phone (610) 584 6701
Fax (610) 584 6704
E-mail febert@ebertengineering.com

SERVICE CONNECTION TO EXISTING SANITARY SEWER FOR LOWER POTTSGROVE TOWNSHIP AUTHORITY

Project Engr.	Scale	Job No.	Date	Drawing No.
FEE	NOT TO SCALE	C78-001	09/16/24	S-8a



NOTES:
1. PROPOSED PVC SANITARY SEWERS MUST BE SDR-26 PVC.
2. ALL PROPOSED PVC SANITARY SEWER FITTINGS MUST BE BY HARRINGTON CORPORATION (HARCO). NO OTHER FITTINGS WILL BE ACCEPTED.
3. REPAIR COUPLINGS MUST BE SOLID SLEEVE. FLEXIBLE COUPLINGS (FERNCO, ETC.) WILL NOT BE ACCEPTED.

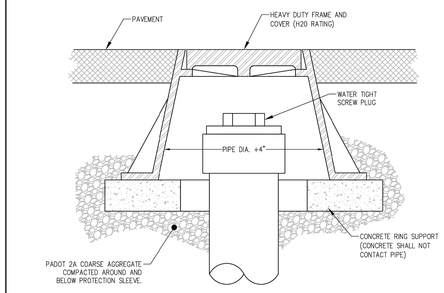
PROPOSED CONNECTION TO EXISTING GRAVITY SANITARY SEWER

CONSTRUCTION DETAIL S-10A

Ebert Engineering, Inc.
Water and Wastewater Engineering
PO Box 540
4397 Skippack Pike
Skippack, PA 19474
Phone (610) 584 6701
Fax (610) 584 6704
E-mail febert@ebertengineering.com

PROPOSED CONNECTION TO EXISTING GRAVITY SANITARY SEWER FOR LOWER POTTSGROVE TOWNSHIP AUTHORITY

Project Engr.	Scale	Job No.	Date	Drawing No.
FEE	NOT TO SCALE	C78-001	09/16/24	S-10A



NOTES:
1. FRAME AND COVER SHALL BE NEENAH FOUNDRY COMPANY MODEL R-1976 OR APPROVED EQUAL.
2. CLEAN-OUT PROTECTION SLEEVES ARE TO BE INSTALLED FOR CLEAN-OUTS LOCATED IN PAVED AREAS, OR LESS THAN 3 FEET FROM A PAVED AREA.

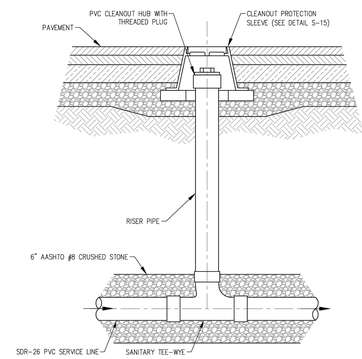
CLEAN-OUT PROTECTION SLEEVE

CONSTRUCTION DETAIL S-15A

Ebert Engineering, Inc.
Water and Wastewater Engineering
PO Box 540
4397 Skippack Pike
Skippack, PA 19474
Phone (610) 584 6701
Fax (610) 584 6704
E-mail febert@ebertengineering.com

CLEAN-OUT PROTECTION SLEEVE FOR LOWER POTTSGROVE TOWNSHIP AUTHORITY

Project Engr.	Scale	Job No.	Date	Drawing No.
FEE	NOT TO SCALE	C78-001	09/16/24	S-15A



CLEANOUT IN PAVED AREAS

CONSTRUCTION DETAIL S-32B

Ebert Engineering, Inc.
Water and Wastewater Engineering
PO Box 540
4397 Skippack Pike
Skippack, PA 19474
Phone (610) 584 6701
Fax (610) 584 6704
E-mail febert@ebertengineering.com

CLEANOUT IN PAVED AREAS FOR LOWER POTTSGROVE TOWNSHIP AUTHORITY

Project Engr.	Scale	Job No.	Date	Drawing No.
FEE	AS NOTED	C78-001	09/16/24	S-32B

STAMP

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
J. MARC KUROWSKI
ENGINEER
No. 052032-E

CONSULTANTS

K&W SINCE 2005
2201 North Front Street, Suite 200
Harrisburg, PA 17110
P: 717.635.2835
www.kandwengineers.com

GODSHALL KANE O'ROURKE ARCHITECTS, LLC
300 Brookside Avenue
Ambler Yards - Building 18 - Suite 150
Ambler, PA 19002
T: 215.646.2003
www.gkoarchitects.com

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POTTSGROVE HIGH SCHOOL FACILITY AND ATHLETIC IMPROVEMENTS

1345 KAUFFMAN RD, POTTSTOWN, PA 19464

REVISIONS	
BID SET	10/21/2026

DRAWN BY	RES
REVIEWED BY	
JOB #	2665

SHEET TITLE

UTILITY DETAILS

SHEET #

C-505

SCALE	AS NOTED
DATE	10-21-2026

DRAWING SIZE: 30 X 42

PUMP SYSTEM DESCRIPTION

Duplex Prefabricated Grinder Pump System with Attached Valvebox

Two (2) Zoeller Model 7110, 208-volt, three-phase, submersible grinder pump with 2.5" flanged horizontal discharge, 3.0 hp oil filled motor (17.3 FLA per pump), ductile iron vortex impeller, stainless steel cutter and plate, stainless steel shaft, tandem mechanical seals, moisture detection probes, thermal sensors, powder coated epoxy cast iron housing, and 25' power and sensor cords; Pump Weight: 245 lbs.

Design Point: 55 GPM at 17' TDH, assumes 9' vertical lift with 515' of 3" discharge piping to gravity outlet. Estimated Operating point: ~86 GPM @ 29' TDH

Two (2) SS Lifting Bracket for 71HD pumps with 10' stainless steel lifting cables or chains.

Two (2) Zoeller Z-Rail guide rail assembly including base elbow, quick disconnect slide assembly, and upper support bracket. Factory installed in prefabricated basin below including 2" S/S guide pipes.

Two (2) 3" NPT cast iron check valve. Factory installed in attached valvebox prefabricated basin below.

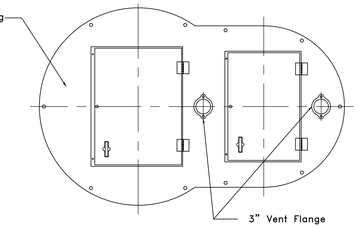
Two (2) 3" Sch 80 PVC true union ball valve. Factory installed in attached valvebox prefabricated basin below.

One (1) Zoeller Pivot Pro Duplex 3 phase control panel, 17-23FLA, with an electro-mechanical pump alternator, H-O-A toggle switches and run indicator lights for each pump, motor protector each pump, high water alarm with light and horn, seal fail indicator lights, control circuit transformer and breaker, and alarm and pump run dry contacts; all housed in a lockable, NEMA 4X non-metallic enclosure.

Three (3) 25' long normally open mechanical float switch with adjustable weight.

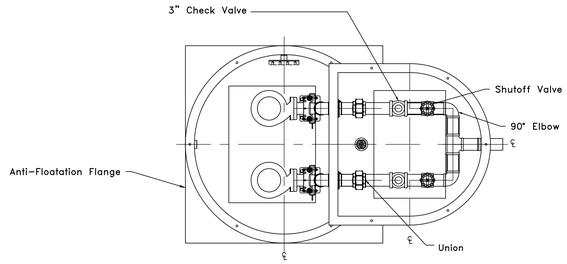
One (1) 48" x 108" (9' deep) prefabricated fiberglass basin wetwell including anti-flotation flange, lifting lugs and 48"x48" attached valvebox, one (1) ¼" thick, treadplate aluminum cover (300 PSF load rated) including hinged lockable, hinged access hatch for wet well and valvebox and two (2) 3" vent flange connection through cover, one (1) 3" discharge connection stubbed out through valvebox sidewall, one (1) stainless steel float bracket with cord grips, two (2) 2" electrical coupling; all internal discharge piping (3" Sch. 80 PVC), 3" check valves & 3" shut-off valves factory installed in attached valvebox, fittings, guide rail assemblies, etc. are factory assembled and installed. Two (2) 3" screened mushroom vent, and one (1) 6" inlet hub connection shipped loose for installation in the field.

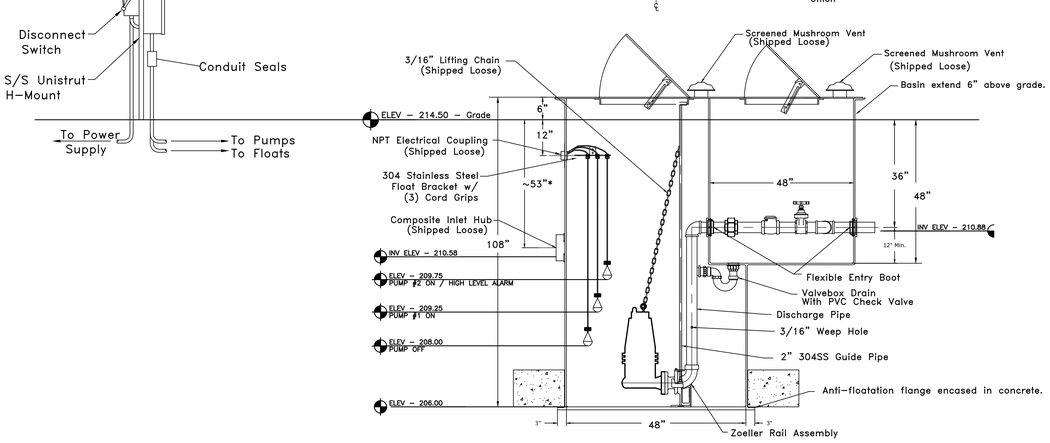
Includes start-up by factory representative.



Hinged and Lockable Cover

☒Aluminum ☐Steel





* Denotes Field Installed Dimension

Trusted. Tested. Tough.®

SECTION: 2.50.055
FM3391
0624
Supersedes
1023

ZOELLER. PUMP COMPANY

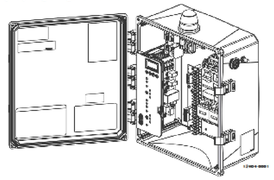
MAIL TO: P.O. BOX 16347 • Louisville, KY 40256-0347
SHIP TO: 3649 Cane Run Road • Louisville, KY 40211-1961
Tel: (502) 778.2731 • 1.(800) 928.PUMP

Visit our website:
zoellerpumps.com

Product information presented here reflects conditions at time of publication. Consult factory regarding discrepancies or inconsistencies.

TECHNICAL DATA SHEET
Pivot® Pro Series Control Panels

- ☐ Pivot — 1Ph control panel, highly featured
- ☑ Pivot Pro — 1Ph or 3Ph control panel with advanced features such as a user-friendly LCD interface and support for pump sensors and Z Control®
- ☐ Pivot Pro + — The Pivot Pro + control panel is a Pivot Pro control panel built with one or more options and usually requiring a larger enclosure



SPECIFICATIONS

Certifications
- cCSAus certified to standard UL508
- FCC Class-B certification to ISED Canada ICES-003, Issue 6
- For outdoor or indoor use

Components
- Red alarm beacon with 360° visibility
- Audible alarm buzzer rated 95 db at 2' (0.6 m)
- SILENCE/RESET/TEST toggle switch with weatherproof rubber boot
- HAND/OFF/AUTO control are included for each pump
- RS-485 (12VDC, 2W) powered serial port for optional Z Control® Gateway connectivity
- Auxiliary output dry contacts (NO-COM-NC) terminals, Form C, 5A resistive load
- PUMP RUN dry contact, (NO-COM)
- NEMA 4X 14"x12"x6" enclosure with lockable latch

Power
- Control circuit powered by 120VAC, 60 Hz
- Alarm circuit can be powered by separate power feed, if needed
- Alarm and control circuits individually fused, 3A, fast-acting, 120VAC
- Circuit breaker protection on 1Ph models
- Multi-tap 200/230/460V transformer on 3Ph models
- Max alarm and control circuit power consumption: Simplex models 32W, Duplex models 40W
- Max standby power consumption: 5W
- Terminals for 120VAC control power, 120VAC alarm power, up to 4 float switches (duplex), pump input power
- 1Ph IEC motor contactors, models 120/208/240 VAC, 50/60Hz, up to 50A maximum
- 3PH IEC motor contactors, models 208/230/380/460 VAC, 60Hz

Field Wiring & Maintenance
- 4 enclosure mounting brackets are included
- 2 sets of wiring schematics and installation instructions are included along with an inside door mounted QR code for easy access to additional support material online
- All wires and terminal locations thoroughly labeled for easy identification
- All components are serviceable (See FM3364 for available replacement parts)

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StreamKey®
Engineered Water & Wastewater Solutions

Prefabricated Duplex Lift Station **Pottsgrove Stadium**	**Scale:** None **Drawn By:** DRS **Appr'd By:** . **Date:** 09/08/2025	This print is and contains confidential proprietary information owned exclusively by STREAMKEY, INC. It is furnished on a strictly confidential basis. This limitation includes, but is not limited to the condition that this print of set may be used as a model or in finally or keyed parts or for other infringing purposes and will not be used in connection or permit the construction of the item shown in this print by any other source than STREAMKEY, INC.	**Revisions** 1 First Released.
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SEWAGE GRINDER PUMP SCHEDULE

MARK	MANUFACTURER	MODEL	TYPE	SERVICE	DIMENSION (IN)		INLET PIPE DIA (IN)	OUTLET PIPE DIA (IN)	GPM	PRESS DROP (FT HEAD)	MOTOR HP	ELECTRICAL			REMARKS
					DIAMETER	HEIGHT						FLA	VOLTAGE	PHASE	
SGP-1	ZOELLER	7110	DUPLEX GRINDER	SANITARY	48	108	6	3	55	17.00	3	17 A	208 V	3	ALL

REMARKS:
1. PROVIDE WITH HIGH WATER ALARM WITH LIGHT AND HORN.

DRAWING SIZE: 30 X 42

STAMP

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
J. MARC KUROWSKI
ENGINEER
No. 052032-E

CONSULTANTS

K&W SINCE 2005
2201 North Front Sreet, Suite 200
Harrisburg, PA 17110
P: 717.635.2835
www.kandweengineers.com

GODSHALL KANE O'ROURKE ARCHITECTS, LLC
300 Brookside Avenue
Ambler Yards - Building 18 - Suite 150
Ambler, PA 19002
T: 215.646.2003
www.gkoarchitects.com

GKO ARCHITECTS

POTTSGROVE HIGH SCHOOL
FACILITY AND ATHLETIC
IMPROVEMENTS
1345 KAUFFMAN RD, POTTSTOWN, PA 19464

REVISIONS	
BID SET	10/21/2026

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REVIEWED BY	
JOB #	2665

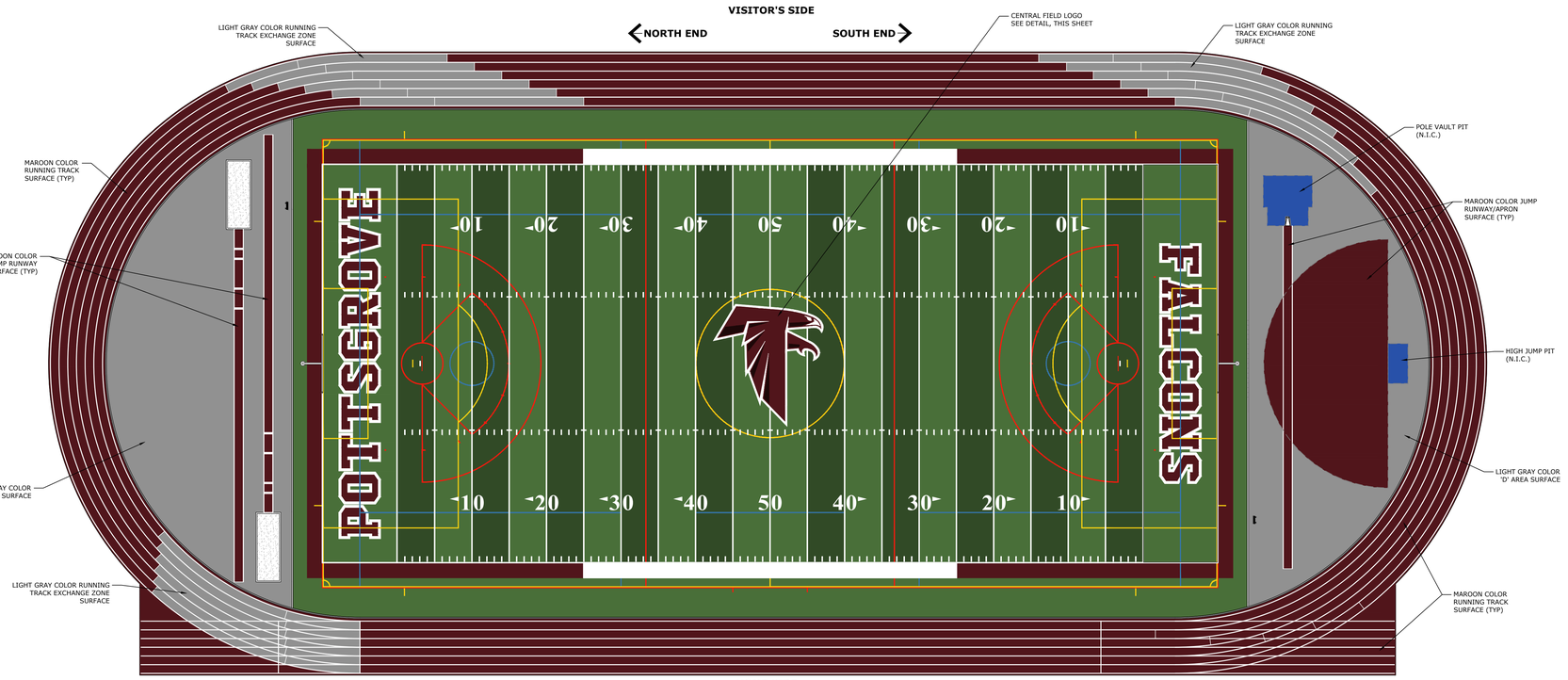
SHEET TITLE

UTILITY DETAILS

SHEET #

C-506

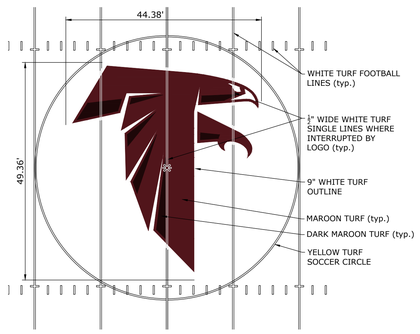
SCALE	AS NOTED
DATE	10-21-2026



TURF AND TRACK GRAPHIC PLAN

NOT TO SCALE

NOTE: TRACK AND TURF FIELD SHALL INCLUDE ALL GRAPHICS, LINES, AND MARKINGS TO CONFORM WITH NFHS AND PIAA REQUIREMENTS FOR COMPETITION RUNNING TRACKS, FIELD EVENTS, AND SPECIFIC FIELD SPORTS. THE ABOVE GRAPHIC DEPICTS BASE TRACK SURFACING COLORS ONLY.



CENTRAL FIELD LOGO DETAIL

NOT TO SCALE



NORTH ENDZONE GRAPHICS

NOT TO SCALE

NOTE: PERMANENT COLORED COMPETITION FIELD LINES (NOT SHOWN) TO SUPERSEDE ENDZONE GRAPHICS.



SOUTH ENDZONE GRAPHICS

NOT TO SCALE

NOTE: PERMANENT COLORED COMPETITION FIELD LINES (NOT SHOWN) TO SUPERSEDE ENDZONE GRAPHICS.

DRAWING SIZE: 30 X 42

STAMP

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL ENGINEER
J. MARC KUROWSKI
No. 052032-E

CONSULTANTS

K&W SINCE 2008
2201 North Front Street, Suite 200
Harrisburg, PA 17110
P: 717.635.2835
www.kandwengineers.com

GODSHALL KANE O'ROURKE ARCHITECTS, LLC
300 Brookside Avenue
Ambler Yards - Building 18 - Suite 150
Ambler, PA 19002
T: 215.646.2003
www.gkoarchitects.com

GKO ARCHITECTS

POTTSGROVE HIGH SCHOOL
FACILITY AND ATHLETIC IMPROVEMENTS
1345 KAUFFMAN RD, POTTSTOWN, PA 19464

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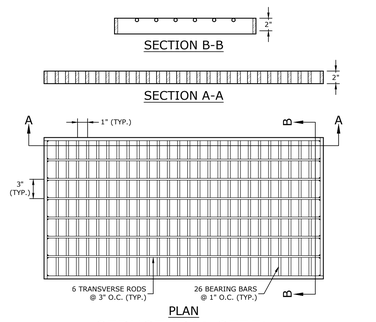
TURF & TRACK DETAILS

SHEET #

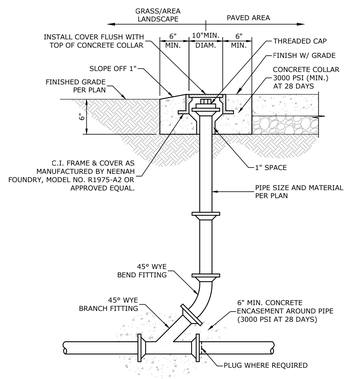
C-507

SCALE	AS NOTED
DATE	10-21-2026



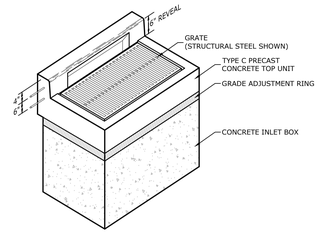
STRUCTURAL STEEL BICYCLE SAFE GRATE

NOT TO SCALE



STORM SEWER CLEANOUT

NOT TO SCALE

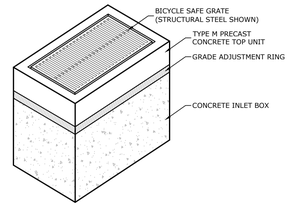


NOTES:

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH PENN DOT PUBLICATION 408, SECTION 605 AND STANDARDS FOR ROADWAY CONSTRUCTION, RC-45M. CONTRACTOR SHALL VERIFY INLET BOX SIZING BASED ON PIPE SIZES AND ALIGNMENT PRIOR TO ORDERING PRECAST STRUCTURES. STRUCTURE SHALL BE CERTIFIED FOR H20 LOADING.
2. ALL DRAINAGE STRUCTURES SHALL HAVE POURED-IN-PLACE CONCRETE CHANNEL BOTTOMS.
3. USE PRECAST CONCRETE OR STEEL GRADE ADJUSTMENT RINGS WHEN REQUIRED.
4. ALL INLETS SHALL HAVE BICYCLE SAFE GRATES.
5. ALL INLETS SHALL BE SUMPED BELOW GRADE (2 INCHES) TO AID IN THE RUNOFF FLOW TO THE INLETS.
6. ALL FRAMES, CONCRETE TOP UNITS, AND GRADE ADJUSTMENTS RINGS SHALL BE SET IN A BED OF FULL MORTAR IN ACCORDANCE WITH PENNDOT PUBLICATION 408.
7. ALL INLETS OVER FOUR FEET IN DEPTH, AS DETERMINED FROM FINISHED GRADE TO THE BOTTOM OF THE INLET, SHALL BE PROVIDED WITH STEPS FOR ACCESSIBILITY

TYPE 'C' INLET

NOT TO SCALE

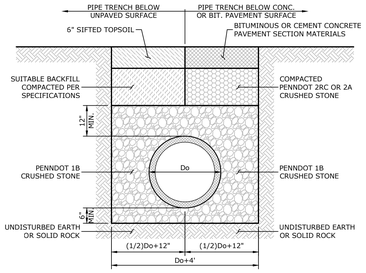


NOTES:

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH PENN DOT PUBLICATION 408, SECTION 605 AND STANDARDS FOR ROADWAY CONSTRUCTION, RC-46M. CONTRACTOR SHALL VERIFY INLET BOX SIZING BASED ON PIPE SIZES AND ALIGNMENT PRIOR TO ORDERING PRECAST STRUCTURES. STRUCTURE SHALL BE CERTIFIED FOR H20 LOADING.
2. ALL DRAINAGE STRUCTURES SHALL HAVE POURED-IN-PLACE CONCRETE CHANNEL BOTTOMS.
3. USE PRECAST CONCRETE OR STEEL GRADE ADJUSTMENT RINGS WHEN REQUIRED.
4. ALL INLETS IN PARKED AREAS SHALL HAVE HEAVY-DUTY BICYCLE SAFE GRATING.
5. ALL INLETS IN PAVED/CONCRETE PEDESTRIAN AREAS SHALL HAVE ADA COMPLIANT GRATING.
6. ALL INLETS SHALL BE SUMPED BELOW GRADE (2 INCHES) TO AID IN THE RUNOFF FLOW TO THE INLETS.
7. ALL FRAMES, CONCRETE TOP UNITS, AND GRADE ADJUSTMENTS RINGS SHALL BE SET IN A BED OF FULL MORTAR IN ACCORDANCE WITH PENNDOT PUBLICATION 408.
8. ALL INLETS DEEPER THAN FIVE FEET SHALL BE PROVIDED WITH MANHOLE-TYPE STEPS FOR ACCESS.
9. IMMEDIATELY UPON INSTALLATION, ALL JOINTS SHALL BE SEALED WITH MASTIC (OR EQUIVALENT) IN INLETS LOCATED IN GRASSED AREAS AND WITHIN BMPS TO PREVENT SOIL FROM WASHING INTO THE STRUCTURE THROUGH THE JOINTS.

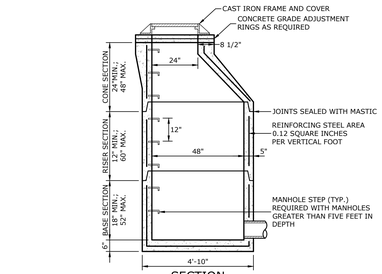
TYPE 'M' INLET

NOT TO SCALE



STORM PIPE TRENCH SECTION

NOT TO SCALE



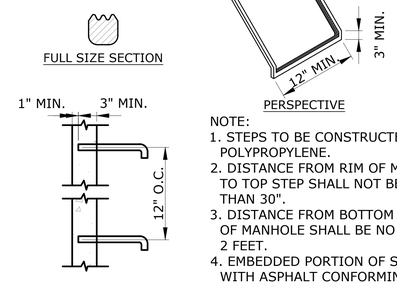
SECTION

NOTES:

1. ALL MANHOLES OVER FIVE FEET IN DEPTH (OS-104, OS-1116, MH-117B, MH-100, MH-101, MH-102, MH-103, AND MH-112), AS DETERMINED FROM FINISHED GRADE TO THE BOTTOM OF THE INLET, SHALL BE PROVIDED WITH STEPS FOR ACCESSIBILITY

4' DIAMETER PRECAST CONCRETE MANHOLE

NOT TO SCALE

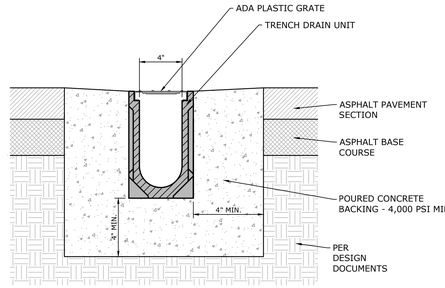


NOTE:

1. STEPS TO BE CONSTRUCTED OF POLYPROPYLENE.
2. DISTANCE FROM RIM OF MANHOLE TO TOP STEP SHALL NOT BE GREATER THAN 30".
3. DISTANCE FROM BOTTOM STEP TO FLOOR OF MANHOLE SHALL BE NO GREATER THAN 2 FEET.
4. EMBEDDED PORTION OF STEP TO BE WITH ASPHALT CONFORMING TO AASHTO M-190.
5. DO NOT LOCATE STEPS OVER CHANNELS.

ALUMINUM MANHOLE STEP

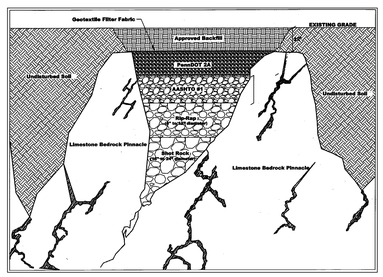
NOT TO SCALE



NOTE: REFER TO SPECS FOR OVERALL DEPTH OF UNIT

TRENCH DRAIN DETAIL

NO SCALE



NOTES:

1. THE REPAIRS OUTLINED BELOW ARE GENERAL GUIDELINES AND EACH SINKHOLE OCCURRENCE SHOULD BE THOROUGHLY REVIEWED BY THE GEOTECHNICAL ENGINEER OF RECORD FOR AN APPROPRIATE REMEDIATION PLAN:

STRUCTURAL AREAS (AREAS WITHIN THE BUILDING FOOTPRINT OR BENEATH PAVEMENT)

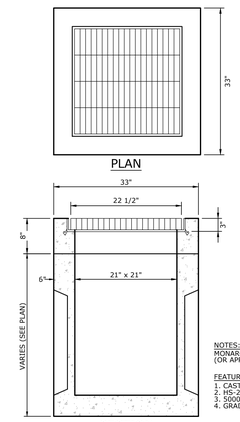
- ANY AND ALL LOOSE AND/OR SATURATED SOILS WITHIN THE SINKHOLE SHOULD BE EXCAVATED AND CONTINUE UNTIL STABLE SOILS, A "THROAT" IS IDENTIFIED, OR UNTIL THE EXTENT OF THE EXCAVATION EQUIPMENT IS REACHED.
- UPON REMOVAL OF THE UNSTABLE SOILS, THE EXCAVATION SHOULD BE BACKFILLED USING HIGH MOBILITY, LOW STRENGTH FLOWABLE FILL (500 PSI) TO FINAL SUBGRADE ELEVATION.

NON-STRUCTURAL AREAS (NON-BUILDING/LANDSCAPED AREAS)

- ANY AND ALL LOOSE AND/OR SATURATED SOILS SHOULD BE EXCAVATED FROM THE SINKHOLE. EXCAVATION SHOULD CONTINUE UNTIL STABLE SOILS, A "THROAT" IS IDENTIFIED, OR UNTIL THE EXTENT OF THE EXCAVATION EQUIPMENT IS REACHED.
- THE EXCAVATION SHOULD BE BACKFILLED WITH AGGREGATE OF DECREASING SIZE AS DEPICTED ON THE *INVERTED FILTER DETAIL*

SINKHOLE REPAIR DETAIL

NOT TO SCALE



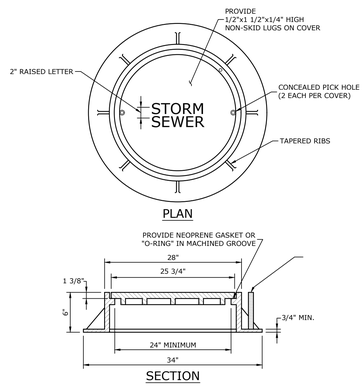
NOTES:
1. ALL YARD INLETS IN PAVED AREAS SHALL HAVE ADA COMPLIANT AND HEEL PROOF GRATES INSTALLED.
2. ALL OTHER YARD INLETS SHALL HAVE BICYCLE SAFE GRATES

NOTES:
MONARCH 24" CATCH BASIN (OR APPROVED EQUAL)

FEATURES:
1. CAST IRON FRAME & GRATE
2. HS-25 LOAD RATING
3. 5000 PSI CONCRETE
4. GRADE 60 REBAR

2'x2' YARD INLET

NOT TO SCALE



STANDARD MANHOLE FRAME AND COVER

NOT TO SCALE

DRAWING SIZE: 30 X 42

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
J. MARC KUROWSKI
ENGINEER
No. 052032-E

STAMP

K&W SINCE 2005
2201 North Front Street, Suite 200
Harrisburg, PA 17110
P: 717.635.2835
www.kandweng ineers.com

CONSULTANTS

GODSHALL KANE O'ROURKE ARCHITECTS, LLC
300 Brookside Avenue
Ambler Yards - Building 18 - Suite 150
Ambler, PA 19002
T: 215.646.2003
www.gkoarchitects.com

GKO ARCHITECTS

POTTSGROVE HIGH SCHOOL FACILITY AND ATHLETIC IMPROVEMENTS

1345 KAUFFMAN RD, POTTSTOWN, PA 19464

REVISIONS	
BID SET	10/21/2026

DRAWN BY	RES
REVIEWED BY	
JOB #	2665

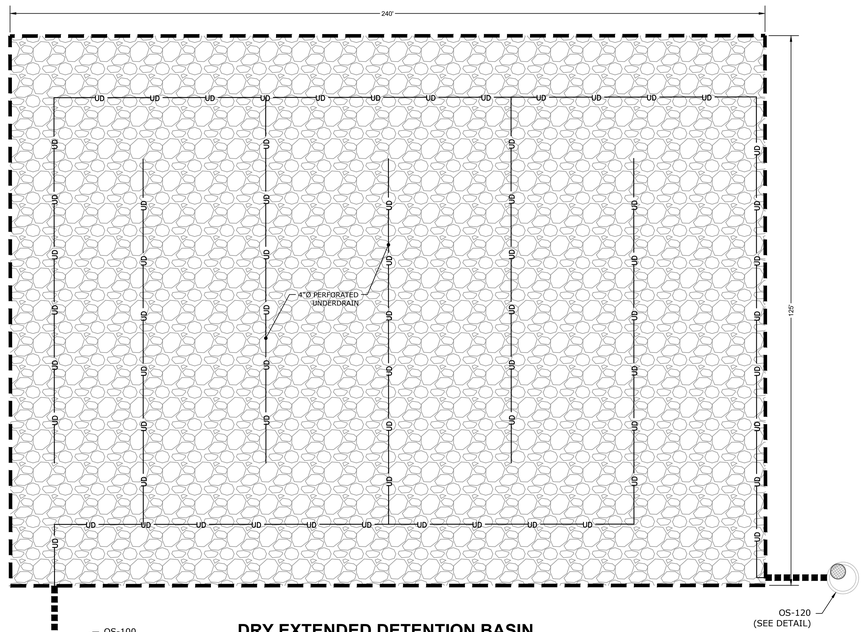
SHEET TITLE

PCSM DETAILS

SHEET #

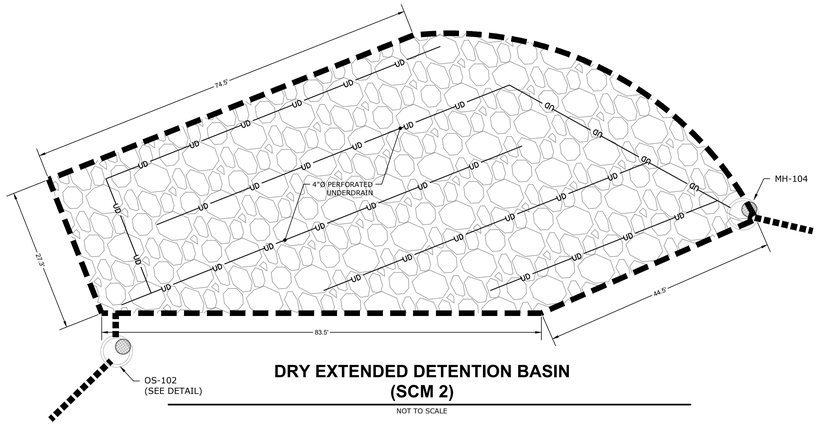
C-601

SCALE	AS NOTED
DATE	10-21-2026



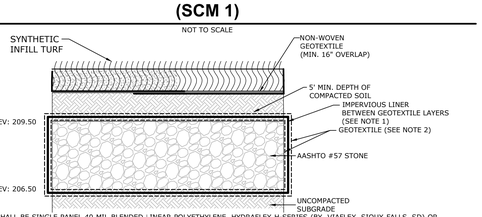
DRY EXTENDED DETENTION BASIN (SCM 1)

NOT TO SCALE



DRY EXTENDED DETENTION BASIN (SCM 2)

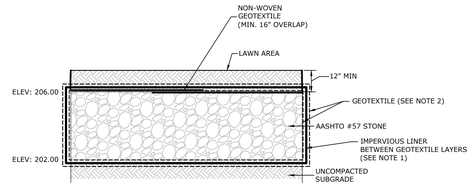
NOT TO SCALE



NOTES:
1. IMPERVIOUS LINER SHALL BE SINGLE PANEL 40 MIL BLENDED LINEAR POLYETHYLENE, HYDRAFLEX H-SERIES (BY VIAFLEX, SIOUX FALLS, SD) OR APPROVED EQUAL. CONTRACTOR SHALL SUBMIT IMPERVIOUS LINER SHOP DRAWINGS FOR REVIEW BY PROJECT GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTION. LINER SHALL BE INSTALLED DURING SEDIMENT BASIN CONSTRUCTION AND REMAIN IN PLACE DURING SCM CONSTRUCTION. LINER SHALL CONTINUE UNDER PROPOSED BERMS OF MRC BASINS AT THE SAME ELEVATION TO EXTEND UNDER THE DETENTION FACILITY.
2. GEOTEXTILE BETWEEN SUBGRADE AND IMPERVIOUS LINER SHALL BE GEO8 (BY VIAFLEX, SIOUX FALLS, SD) OR APPROVED EQUAL. GEOTEXTILE BETWEEN STONE BEDDING / AGGREGATE AND IMPERVIOUS LINER SHALL BE GEO10 (BY RAVEN ENGINEERED FILMS, SIOUX FALLS, SD) OR APPROVED EQUAL.

DRY EXTENDED DETENTION BASIN CROSS SECTION DETAIL (SCM 1)

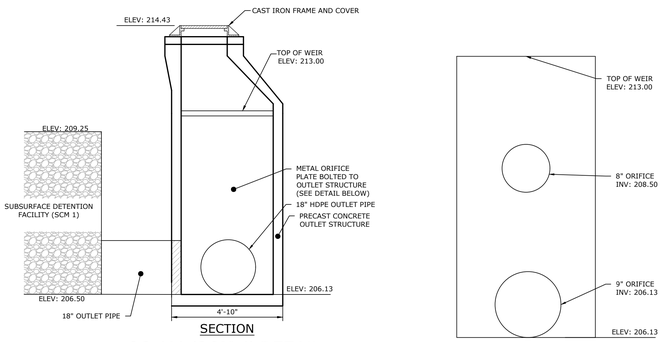
NOT TO SCALE



NOTES:
1. IMPERVIOUS LINER SHALL BE SINGLE PANEL 40 MIL BLENDED LINEAR POLYETHYLENE, HYDRAFLEX H-SERIES (BY VIAFLEX, SIOUX FALLS, SD) OR APPROVED EQUAL. CONTRACTOR SHALL SUBMIT IMPERVIOUS LINER SHOP DRAWINGS FOR REVIEW BY PROJECT GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTION. LINER SHALL BE INSTALLED DURING SEDIMENT BASIN CONSTRUCTION AND REMAIN IN PLACE DURING SCM CONSTRUCTION. LINER SHALL CONTINUE UNDER PROPOSED BERMS OF MRC BASINS AT THE SAME ELEVATION TO EXTEND UNDER THE DETENTION FACILITY.
2. GEOTEXTILE BETWEEN SUBGRADE AND IMPERVIOUS LINER SHALL BE GEO8 (BY VIAFLEX, SIOUX FALLS, SD) OR APPROVED EQUAL. GEOTEXTILE BETWEEN STONE BEDDING / AGGREGATE AND IMPERVIOUS LINER SHALL BE GEO10 (BY RAVEN ENGINEERED FILMS, SIOUX FALLS, SD) OR APPROVED EQUAL.

DRY EXTENDED DETENTION BASIN CROSS SECTION DETAIL (SCM 2)

NOT TO SCALE

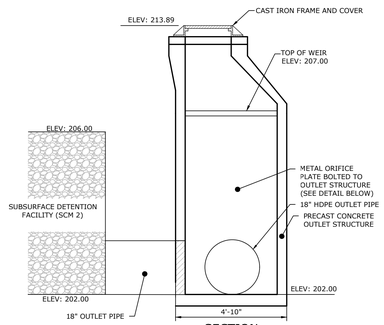


OS-100 (SCM-1) DETAIL

NOT TO SCALE

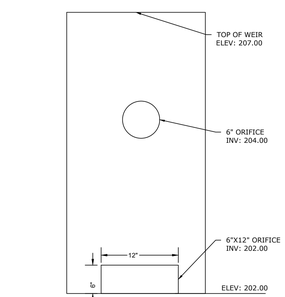
OS-100 ORIFICE PLATE DETAIL

NOT TO SCALE



OS-102 (SCM-2) DETAIL

NOT TO SCALE



OS-102 ORIFICE PLATE DETAIL

NOT TO SCALE

DRAWING SIZE: 30 X 42

STAMP

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
J. MARC KUROWSKI
ENGINEER
No. 052032-E

CONSULTANTS

K&W SINCE 2005
2201 North Front Street, Suite 200
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P: 717.635.2835
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GODSHALL KANE O'ROURKE ARCHITECTS, LLC
300 Brookside Avenue
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Ambler, PA 19002
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SHEET TITLE

PCSM DETAILS

SHEET #

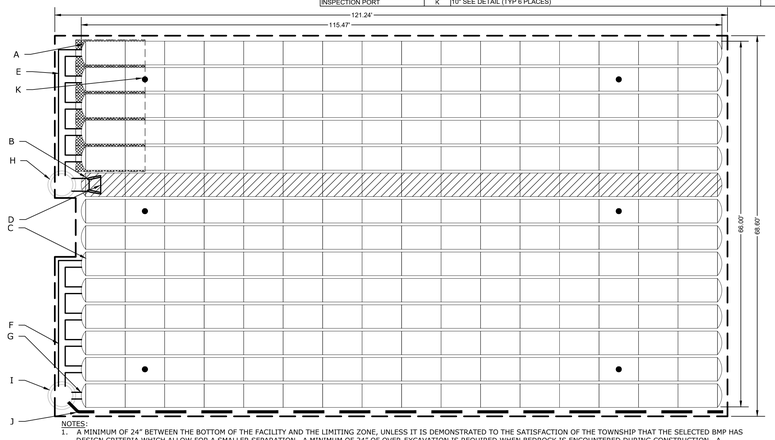
C-602

SCALE	AS NOTED
DATE	10-21-2026

PROPOSED LAYOUT: SCM 3		PROPOSED ELEVATIONS: SCM 3	
224	STORMTECH DC-780 CHAMBERS:	MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED):	217.95
28	STORMTECH DC-780 END CAPS:	MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC):	207.95
6	STONE ABOVE (in):	MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC):	207.45
9	STONE BELOW (in):	MINIMUM ALLOWABLE GRADE (TOP OF RIGID CONCRETE PAVEMENT):	207.45
40	STONE VOID:	MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT):	207.45
18678	INSTALLED SYSTEM VOLUME (CF) (PERIMETER STONE INCLUDED) (COVER STONE INCLUDED) (BASE STONE INCLUDED)	TOP OF STONE:	206.45
		TOP OF DC-780 CHAMBER:	205.95
		12" x 12" TOP MANIFOLD INVERT:	204.49
		12" x 12" BOTTOM MANIFOLD INVERT:	203.53
8277	SYSTEM AREA (SF):	12" BOTTOM CONNECTION INVERT:	203.35
387.2	SYSTEM PERIMETER (ft)	24" ISOLATOR ROW PLUS INVERT:	203.48
		BOTTOM OF DC-780 CHAMBER:	203.45
		UNDERDRAIN INVERT:	202.70
		BOTTOM OF STONE:	202.70

*INVERT ABOVE BASE OF CHAMBER

PART TYPE	ITEM ON LAYOUT	DESCRIPTION	INVERT*	MAX FLOW
PRE-CORED END CAP	A	12" TOP PRE-CORED END CAP. PART#: SC740EPE12TPC / TYP OF ALL 12" TOP CONNECTIONS		
PREFABRICATED EZ END CAP	B	24" BOTTOM PREFABRICATED EZ END CAP. PART#: SC740ECEZ / TYP OF ALL 24" BOTTOM CONNECTIONS AND ISOLATOR PLUS ROWS		
PRE-CORED END CAP	C	12" BOTTOM PRE-CORED END CAP. PART#: SC740EPE12BPC / TYP OF ALL 12" BOTTOM CONNECTIONS		
FLAMP	D	INSTALL FLAMP ON 24" ACCESS PIPE / PART#: SC80024RAMP		
MANIFOLD	E	12" x 12" TOP MANIFOLD, ADS N-12	12.50"	
MANIFOLD	F	12" x 12" BOTTOM MANIFOLD, ADS N-12	1.20"	
PIPE CONNECTION	G	12" BOTTOM CONNECTION.	1.20"	
CONCRETE STRUCTURE	H	(DESIGN BY ENGINEER / PROVIDED BY OTHERS)		5.7 CFS IN
CONCRETE STRUCTURE	I	(OCS (DESIGN BY ENGINEER / PROVIDED BY OTHERS)		4.0 CFS OUT
UNDERDRAIN	J	6" ADS N-12 DUAL WALL PERFORATED HDPE UNDERDRAIN		
INSPECTION PORT	K	10" SEE DETAIL (TYP 6 PLACES)		



NOTES:
1. A MINIMUM OF 24" BETWEEN THE BOTTOM OF THE FACILITY AND THE LIMITING ZONE, UNLESS IT IS DEMONSTRATED TO THE SATISFACTION OF THE TOWNSHIP THAT THE SELECTED BMP HAS DESIGN CRITERIA WHICH ALLOW FOR A SMALLER SEPARATION. A MINIMUM OF 24" OF OVER-EXCAVATION IS REQUIRED WHEN BEDROCK IS ENCOUNTERED DURING CONSTRUCTION. A MINIMUM OF 6" OF OVER EXCAVATION IS REQUIRED WHEN IMPERMEABLE LINERS ARE TO BE INSTALLED WITHIN THE FACILITY BOTTOM.

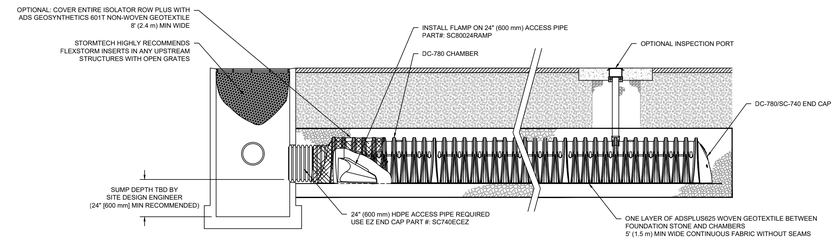
ISOLATOR ROW PLUS (SEE DETAIL)

PLACE MINIMUM 12.50' OF ADSPLUS625 WOVEN GEOTEXTILE OVER BEDDING STONE AND UNDERNEATH CHAMBER FEET FOR SCOUR PROTECTION AT ALL CHAMBER INLET ROWS

BED LIMITS

DRY EXTENDED DETENTION BASIN (MRC) DETAIL (SCM 3)
ADS STORMTECH DC-780 CHAMBER SYSTEM
(OR APPROVED EQUAL)

NOT TO SCALE



DC-780 ISOLATOR ROW PLUS DETAIL
NTS

INSPECTION & MAINTENANCE

STEP 1) INSPECT ISOLATOR ROW PLUS FOR SEDIMENT
- A. INSPECTION PORTS (IF PRESENT)
  - A.1. REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
  - A.2. REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
  - A.3. USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
  - A.4. LOWER A CAMERA INTO ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
  - A.5. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- B. ALL ISOLATOR PLUS ROWS
  - B.1. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW PLUS
  - B.2. USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW PLUS THROUGH OUTLET PIPE
    - i) MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
    - ii) FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
  - B.3. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.

STEP 2) CLEAN OUT ISOLATOR ROW PLUS USING THE JETVAC PROCESS
- A. A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45° (1.1 m) OR MORE IS PREFERRED
- B. APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
- C. VACUUM STRUCTURE SUMP AS REQUIRED

STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.

STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

NOTES

1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.

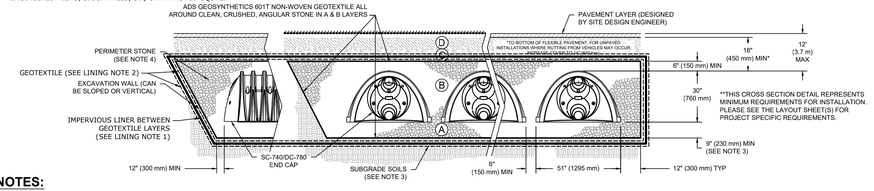
DC-780 ISOLATOR ROW DETAIL
NOT TO SCALE

ACCEPTABLE FILL MATERIALS: STORMTECH DC-780 CHAMBER SYSTEMS

	MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	**FINAL FILL:** FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	**INITIAL FILL:** FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 18" (450 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145[1] A-1, A-2-4, A-3 OR AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	**EMBEDMENT STONE:** FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE[5]	AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	**FOUNDATION STONE:** FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE[5]	AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE.[2,3]

PLEASE NOTE:
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 9" (230 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
4. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.
5. WHERE RECYCLED CONCRETE AGGREGATE IS USED IN LAYERS 'A' OR 'B' THE MATERIAL SHOULD ALSO MEET THE ACCEPTABILITY CRITERIA OUTLINED IN TECHNICAL NOTE 6.20 "RECYCLED CONCRETE STRUCTURAL BACKFILL".

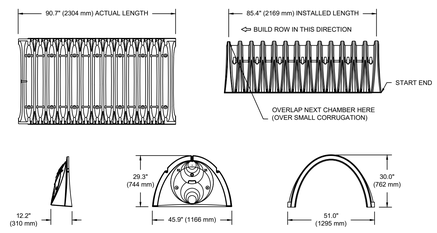
FACILITY LINING NOTES:
1. IMPERVIOUS LINER SHALL BE SINGLE PANEL 40 MIL BLENDED LINEAR POLYETHYLENE, HYDRAFLEX H-SERIES (BY VIAFLEX, SIOUX FALLS, SD) OR APPROVED EQUAL. CONTRACTOR SHALL SUBMIT IMPERVIOUS LINER SHOP DRAWINGS FOR REVIEW BY PROJECT GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTION. LINER SHALL BE INSTALLED DURING SEDIMENT BASIN CONSTRUCTION AND REMAIN IN PLACE DURING SCM CONSTRUCTION. LINER SHALL CONTINUE UNDER PROPOSED BERMS OF MRC BASINS AT THE SAME ELEVATION TO EXTEND UNDER THE DETENTION FACILITY.
2. GEOTEXTILE BETWEEN SUBGRADE AND IMPERVIOUS LINER SHALL BE GEO8 (BY VIAFLEX, SIOUX FALLS, SD) OR APPROVED EQUAL. GEOTEXTILE BETWEEN STONE BEDDING / AGGREGATE AND IMPERVIOUS LINER SHALL BE GEO10 (BY RAVEN ENGINEERED FILMS, SIOUX FALLS, SD) OR APPROVED EQUAL.



NOTES:
1. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
2. DC-780 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS. REFERENCE STORMTECH DESIGN MANUAL FOR BEARING CAPACITY GUIDANCE.
4. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
5. REQUIREMENTS FOR HANDLING AND INSTALLATION:
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 500 LBS/FT/% THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

ADS STORMTECH DC-780 CHAMBER SYSTEM CROSS SECTION DETAIL
NOT TO SCALE

DC-780 TECHNICAL SPECIFICATION
NTS



NOMINAL CHAMBER SPECIFICATIONS

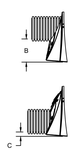
SIZE (W X H X NSTALLED LENGTH)	51.0" X 30.0" X 85.4"	(1295 mm X 762 mm X 2169 mm)
CHAMBER STORAGE	46.2 CUBIC FEET	(1.30 m³)
MINIMUM INSTALLED STORAGE*	78.4 CUBIC FEET	(2.20 m³)
WEIGHT	75.0 lbs.	(33.6 kg)

NOMINAL END CAP SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	45.9" X 29.3" X 9.6"	(1166 mm X 744 mm X 244 mm)
END CAP STORAGE	2.6 CUBIC FEET	(0.07 m³)
MINIMUM INSTALLED STORAGE**	14.4 CUBIC FEET	(0.40 m³)
WEIGHT	11.7 lbs.	(5.3 kg)

* ASSUMES 6" (152 mm) STONE ABOVE, 9" (229 mm) BELOW, AND 6" (152 mm) BETWEEN CHAMBERS
**ASSUMES 6" (152 mm) STONE ABOVE, 9" (229 mm) BELOW END CAPS, 6" (152 mm) BETWEEN ROWS, 12" (305 mm) BEYOND END CAPS

PART #	STUB	B	C
SC740EPE06TPC	6" (150 mm)	18.5" (470 mm)	---
SC740EPE06BPC		---	0.5" (13 mm)
SC740EPE08TPC	8" (200 mm)	16.5" (419 mm)	---
SC740EPE08BPC		---	0.6" (15 mm)
SC740EPE10TPC	10" (250 mm)	14.5" (368 mm)	---
SC740EPE10BPC		---	0.7" (18 mm)
SC740EPE12TPC	12" (300 mm)	12.5" (318 mm)	---
SC740EPE12BPC		---	1.2" (30 mm)
SC740EPE15TPC	15" (375 mm)	9.0" (229 mm)	---
SC740EPE15BPC		---	1.3" (33 mm)
SC740EPE18TPC	18" (450 mm)	5.0" (127 mm)	---
SC740EPE18BPC		---	1.6" (41 mm)
SC740ECEZ*	24" (600 mm)	---	0.1" (3 mm)

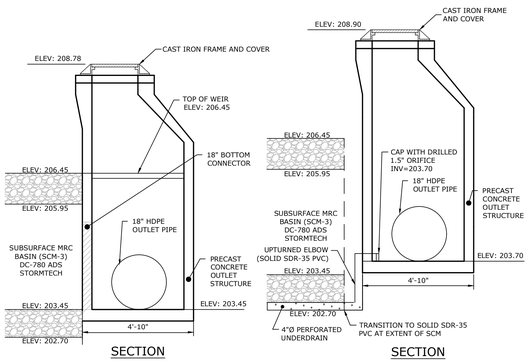


ALL STUBS, EXCEPT FOR THE SC740ECEZ ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP.

* FOR THE SC740ECEZ THE 24" (600 mm) STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 1.75" (44 mm). BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SITS LEVEL.

NOTE: ALL DIMENSIONS ARE NOMINAL; PRE-CORED END CAPS END WITH "PC"

DC-780 TECHNICAL SPECIFICATION DETAIL
NOT TO SCALE

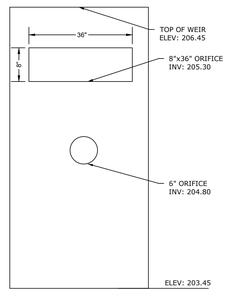


SECTION

OS-106 (SCM-3) DETAIL
NOT TO SCALE

SECTION

MH-103 DETAIL
NOT TO SCALE



OS-106 ORIFICE PLATE DETAIL
NOT TO SCALE

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
J. MARC KUROWSKI
ENGINEER
No. 052032-E
STAMP

K&W SINCE 2005
2201 North Front Street, Suite 200
Harrisburg, PA 17110
P: 717.635.2835
www.kandwengineers.com

CONSULTANTS

GODSHALL KANE O'ROURKE ARCHITECTS, LLC
300 Brookside Avenue
Ambler Yards - Building 18 - Suite 150
Ambler, PA 19002
T: 215.646.2003
www.gkoarchitects.com
GKO ARCHITECTS

POTTSGROVE HIGH SCHOOL FACILITY AND ATHLETIC IMPROVEMENTS
1345 KAUFFMAN RD, POTTSTOWN, PA 19464

REVISIONS	
BID SET	10/21/2026
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JOB #	2665

SHEET TITLE

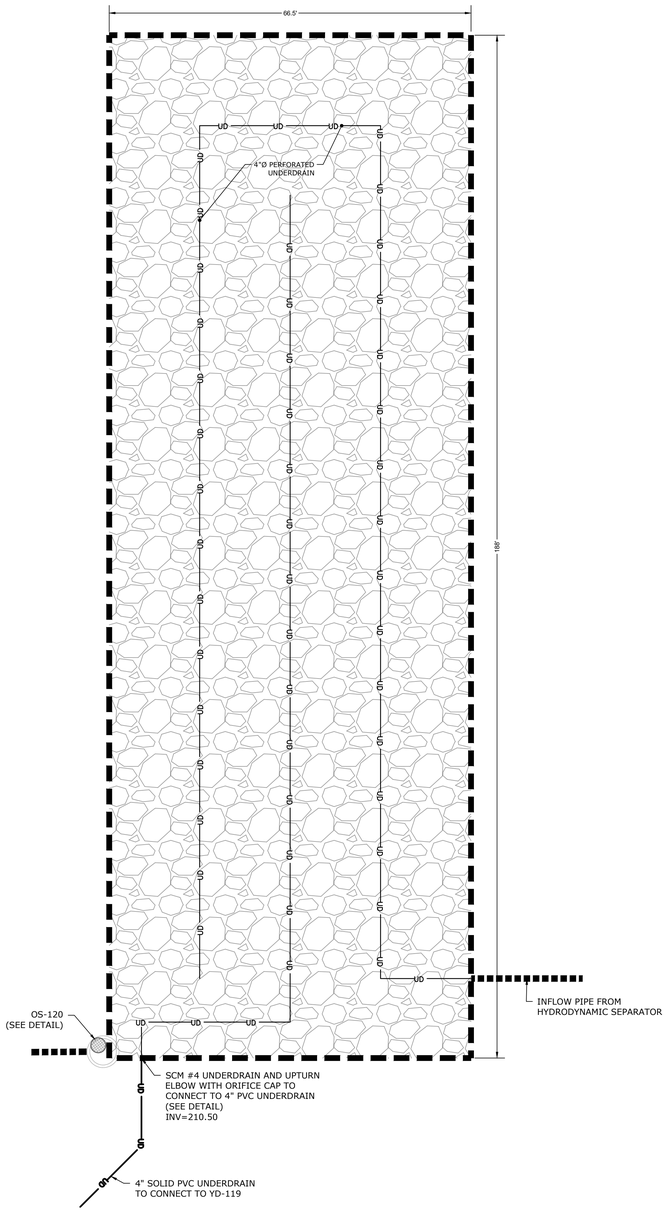
PCSM DETAILS

SHEET #

C-603

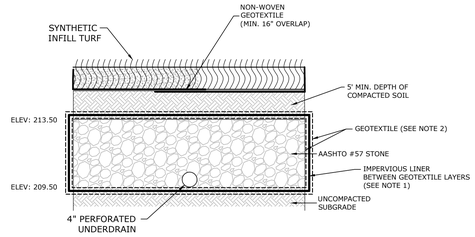
SCALE	AS NOTED
DATE	10-21-2026

DRAWING SIZE: 30 X 42



DRY EXTENDED DETENTION BASIN (MRC) DETAIL (SCM 4)

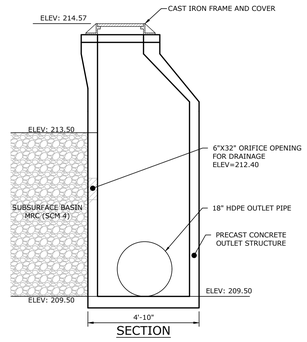
NOT TO SCALE



NOTES:
1. IMPERVIOUS LINER SHALL BE SINGLE PANEL 40 MIL BLENDED LINEAR POLYETHYLENE, HYDRAFLEX H-SERIES (BY VIAFLEX, SIOUX FALLS, SD) OR APPROVED EQUAL. CONTRACTOR SHALL SUBMIT IMPERVIOUS LINER SHOP DRAWINGS FOR REVIEW BY PROJECT GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTION. LINER SHALL BE INSTALLED DURING SEDIMENT BASIN CONSTRUCTION AND REMAIN IN PLACE DURING SCM CONSTRUCTION. LINER SHALL CONTINUE UNDER PROPOSED BERMS OF MRC BASINS AT THE SAME ELEVATION TO EXTEND UNDER THE DETENTION FACILITY.
2. GEOTEXTILE BETWEEN SUBGRADE AND IMPERVIOUS LINER SHALL BE GEO8 (BY VIAFLEX, SIOUX FALLS, SD) OR APPROVED EQUAL. GEOTEXTILE BETWEEN STONE BEDDING / AGGREGATE AND IMPERVIOUS LINER SHALL BE GEO10 (BY RAVEN ENGINEERED FILMS, SIOUX FALLS, SD) OR APPROVED EQUAL.

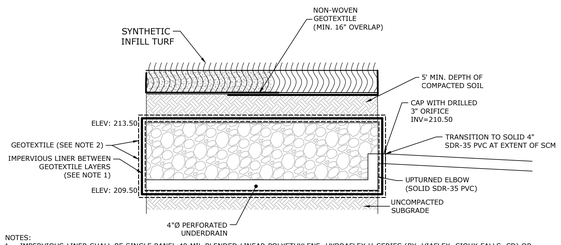
DRY EXTENDED DETENTION BASIN (MRC) CROSS SECTION DETAIL (SCM 4)

NOT TO SCALE



OS-120 (SCM-4) DETAIL

NOT TO SCALE



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DRY EXTENDED DETENTION BASIN (MRC) (SCM 4) UNDERDRAIN OUTLET DETAIL

NOT TO SCALE

DRAWING SIZE: 30 X 42

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REGISTERED PROFESSIONAL
J. MARC KUROWSKI
ENGINEER
No. 052032-E

CONSULTANTS

K&W SINCE 2005
2201 North Front Street, Suite 200
Harrisburg, PA 17110
P: 717.635.2835
www.kandwengineers.com

GODSHALL KANE O'ROURKE ARCHITECTS, LLC
300 Brookside Avenue
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Ambler, PA 19002
T: 215.646.2003
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BID SET	10/21/2026

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JOB #	2665

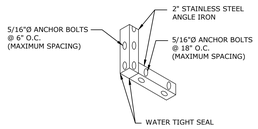
SHEET TITLE

PCSM DETAILS

SHEET #

C-604

SCALE	AS NOTED
DATE	10-21-2026



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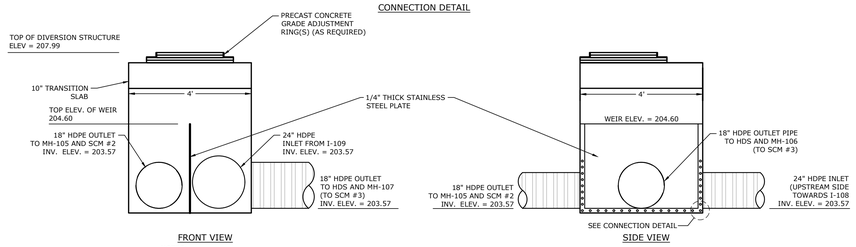
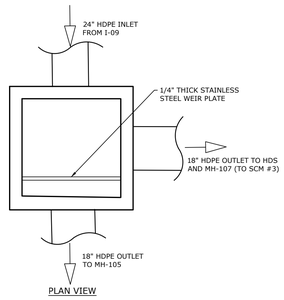
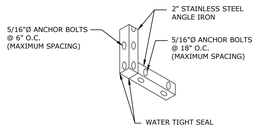


NOTES:
1. THE PROPOSED DIVERSION STRUCTURE SHALL BE IN ACCORDANCE WITH PENNDOT PUBLICATION 408, SECTION 605 AND STANDARDS FOR ROADWAY CONSTRUCTION, RC-46M.
2. ALL JOINTS SHALL BE GROUTED INSIDE AND OUTSIDE.
3. LOCATION OF STAINLESS STEEL PLATE SHALL NOT INTERFERE WITH STEPS ON SIDE OF INLET BOX.
4. WATER TIGHT CONNECTION SHALL BE PROVIDED BETWEEN THE STAINLESS STEEL PLATE AND INLET BOX.

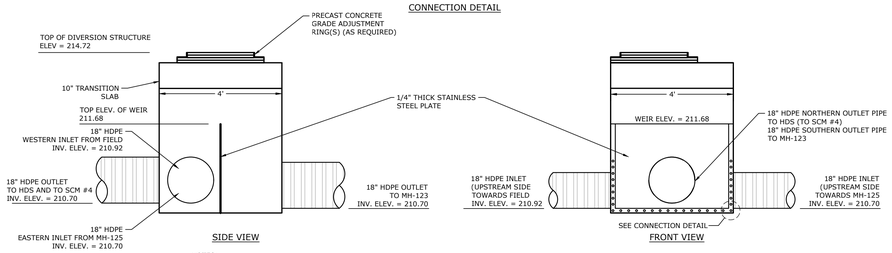


MANHOLE INLET WITH DIVERSION WEIR (DIV-108)

NOT TO SCALE



CONNECTION DETAIL



NOTES:
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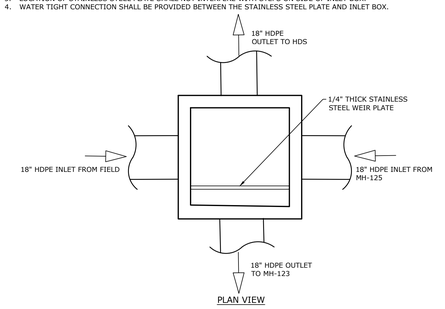
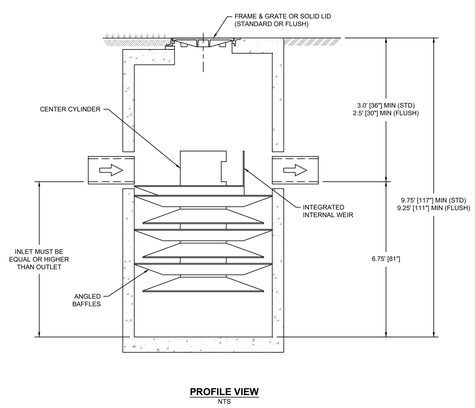
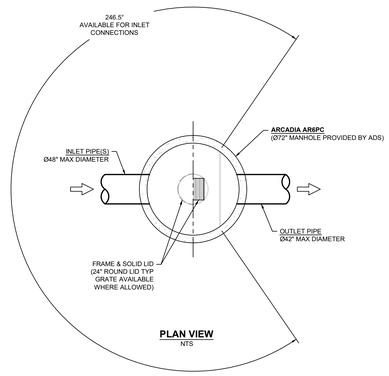


MANHOLE WITH DIVERSION WEIR (DIV-124)

NOT TO SCALE





NOTES:
- ENGINEER / CONTRACTOR TO CONFIRM PIPE MATERIALS AND APPLICABLE ADAPTERS.
- CONTRACTOR IS RESPONSIBLE FOR MATERIAL AND LABOR TO BRING CASTINGS TO FINISHED GRADE.
- CONTRACTOR TO MEASURE HEIGHT OF STRUCTURE TO ENSURE THAT DEPTH OF EXCAVATION IS CORRECT.
- UNIT SHALL CONFORM TO HS20-44 LOAD RATINGS.

ARCADIA AR6PC (OR APPROVED EQUAL)

NOT TO SCALE

DRAWING SIZE: 30 X 42

STAMP

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
J. MARC KUROWSKI
ENGINEER
No. 052032-E

CONSULTANTS

K&W SINCE 2005
2201 North Front Street, Suite 200
Harrisburg, PA 17110
P: 717.635.2835
www.kandwengineers.com

GODSHALL KANE O'ROURKE ARCHITECTS, LLC
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Ambler, PA 19002
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FACILITY AND ATHLETIC
IMPROVEMENTS
1345 KAUFFMAN RD, POTTSTOWN, PA 19464

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JOB #	2665

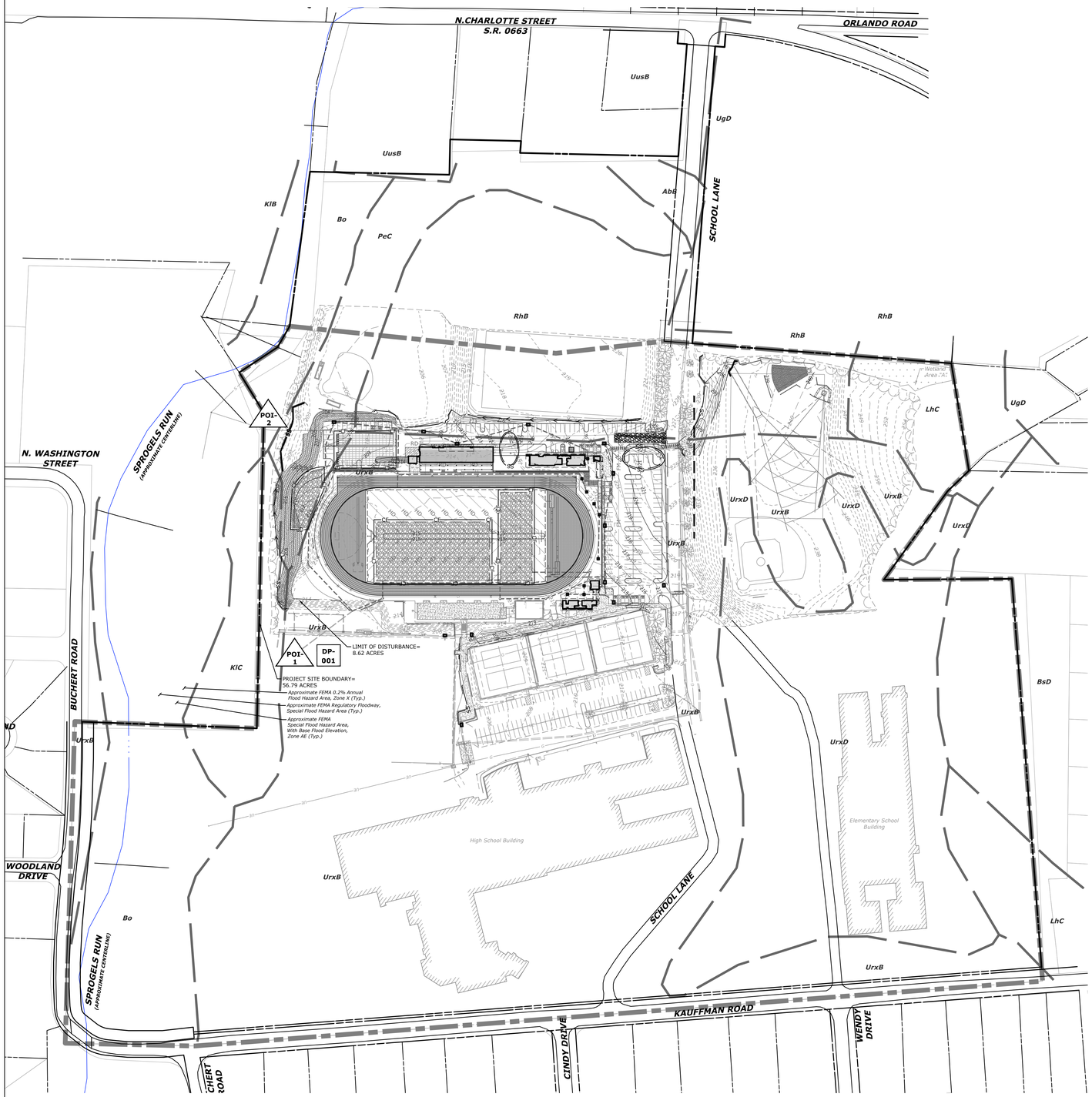
SHEET TITLE

PCSM DETAILS

SHEET #

C-605

SCALE	AS NOTED
DATE	10-21-2026



SOIL LIMITATION RESOLUTIONS

1. SLOPES - EXCAVATIONS SHOULD BE STABILIZED TO PREVENT EROSION AND CONTRACTOR SHOULD EMPLOY PROPER CONSTRUCTION TECHNIQUES TO ENSURE SAFETY ON STEEP SLOPE AREAS.
2. DEPTH OF ROCK - IF BEDROCK IS ENCOUNTERED, REMOVE AS NECESSARY IN ACCORDING WITH PROJECT SPECIFICATIONS.
3. FROST ACTION - CONTRACTOR SHALL CONSULT PROJECT GEOTECHNICAL ENGINEER/INSPECTOR REGARDING ANY SPECIAL MEASURES TO BE TAKEN FOR EARTHWORK WHICH IS TO OCCUR DURING PERIODS OF FROST.
4. SOIL pH LEVELS - CONTRACTOR SHALL HAVE SOIL pH TESTED TO DETERMINE CORRECT FERTILIZER APPLICATION RATES.
5. FLOODING POTENTIAL - ENSURE THAT THE SITE HAS PROPER DRAINAGE.
6. HIGH GROUNDWATER LEVEL - CONTRACTOR SHALL EMPLOY DEWATERING TECHNIQUES AS APPROVED BY THE CONSERVATIOI DISTRICT. PUMPED WATER FILTER BAGS SHALL BE USED TO DEWATER UTILITY TRENCHES AND BELOW GRADE EXCAVATIONS.
7. EROSION - ANY EROSION THAT OCCURS THAT CAN NOT BE ADDRESSED BY MEASURES FOUND IN THE PLANS THE CONTRACTOI SHALL CONTACT THE SITE DESIGN ENGINEER AND THE CONSERVATION DISTRICT.
8. BASIN AREAS AND EMBANKMENTS - FILL FOR BASIN EMBANKMENTS SHALL BE COMPACTED IN 8" LIFTS TO 98% MAXIMUM DRY DENSITY (STANDARD PROCTOR) ±2% MOISTURE CONTENT PER PER ASTM D-1557. ANTI-SEEP COLLARS SHALL BE INSTALLED ON A BASIN DISCHARGE PIPING TO PREVENT SEEPAGE OF WATER FROM THE BASIN. CONSULT WITH SITE DESIGN ENGINEER FOR THE SPECIFIC ANTI-SEEP COLLAR SIZE REQUIREMENTS.

GENERAL E&S NOTES

1. BEFORE INITIATING ANY REVISIONS TO THE APPROVED EROSION AND SEDIMENT CONTROL PLAN OR REVISIONS TO OTHER PLANS WHICH MAY AFFECT THE EFFECTIVENESS OF THE APPROVED E&S CONTROL PLAN, THE OPERATOR MUST RECEIVE APPROVAL OF THE REVISIONS FROM THE MONTGOMERY COUNTY CONSERVATION DISTRICT.
2. THE CONTRACTOR IS ADVISED TO BECOME THOROUGHLY FAMILIAR WITH THE PROVISIONS OF THE APPENDIX 64, EROSION CONTROL RULES AND REGULATIONS, TITLE 25, PART 1, DEPARTMENT OF ENVIRONMENTAL PROTECTION, SUBPART C, PROTECTION OF NATURAL RESOURCES, ARTICLE III, WATER RESOURCES, CHAPTER 102, EROSION CONTROL.
3. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES.
4. SPECIAL CARE SHALL BE TAKEN TO PREVENT SEDIMENT LADEN STORMWATER FROM ENTERING ALL STORMWATER MANAGEMENT AND CONVEYANCE FACILITIES UNTIL THE SITE HAS BEEN PROPERLY STABILIZED.

LEGEND — PROPOSED E&S CONTROL PLAN FEATURES

- LIMIT OF DISTURBANCE
- NPDES PERMIT BOUNDARY
- STABILIZED ROCK CONSTRUCTION ENTRANCE
- SOIL MATERIAL STOCKPILE
- SS — SS — SILT SOCKS
- RIPRAP
- INLET PROTECTION
- EROSION PREVENTION MATTING
- CF — CONSTRUCTION FENCE

LEGEND — PROPOSED SITE FEATURES

- BUILDING
- CONCRETE SURFACE
- HEAVY DUTY CONCRETE
- CURB
- EDGE OF BITUMINOUS PAVEMENT
- STANDARD DUTY PAVEMENT
- PAINTED STRIPE TRAFFIC ISLAND
- EDGE OF ROADWAY SHOULDER
- WALL
- BOLLARD
- STADIUM LIGHT
- X — FENCE (CLF)

LEGEND — PROPOSED GRADING FEATURES

- 421 — INTERMEDIATE CONTOUR LINES
- 420 — INDEX CONTOUR LINES

LEGEND — PROPOSED UTILITY FEATURES

- SANITARY SEWER MANHOLE
- SANITARY SEWER STRUCTURE LABEL
- S — SANITARY SEWER MAIN
- SANITARY SEWER SERVICE LATERAL
- FM — SANITARY SEWER FORCE MAIN

GRAPHIC SCALE
0 100 200
SCALE: 1" = 100'

STAMP

COMMONWEALTH OF PENNSYLVANIA
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J. MARC KUROWSKI
ENGINEER
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CONSULTANTS

K&W SINCE 2005
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P: 717.635.2835
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JOB #	2665

SHEET TITLE

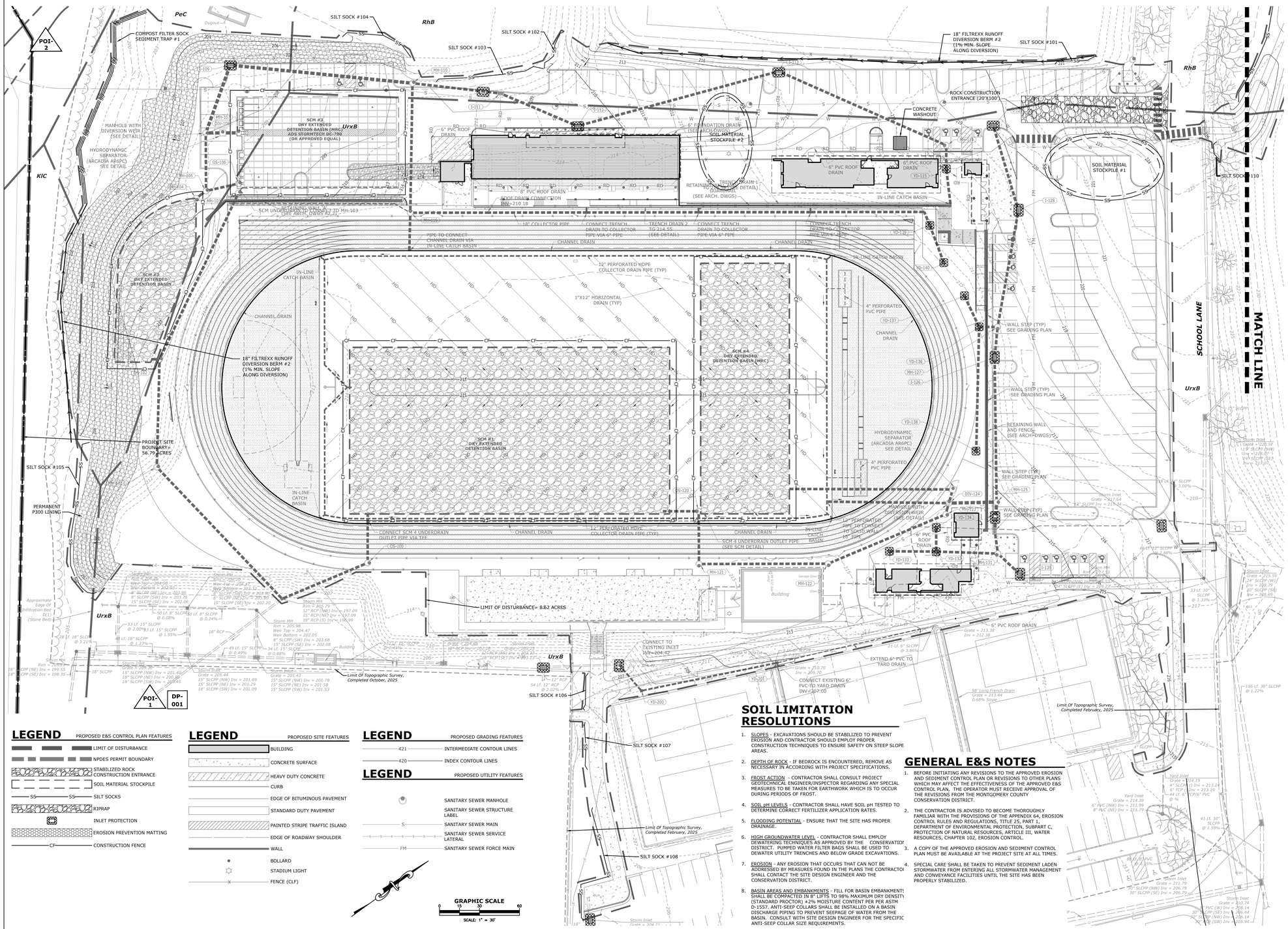
OVERALL E&S PLAN

SHEET #

C-701

SCALE	AS NOTED
DATE	10-21-2026

DRAWING SIZE: 30 X 42



LEGEND — PROPOSED E&S CONTROL PLAN FEATURES

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GRAPHIC SCALE
0 15 30 60
SCALE: 1" = 30'

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DRAWING SIZE: 30 X 42

STAMP

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JOB #	2665

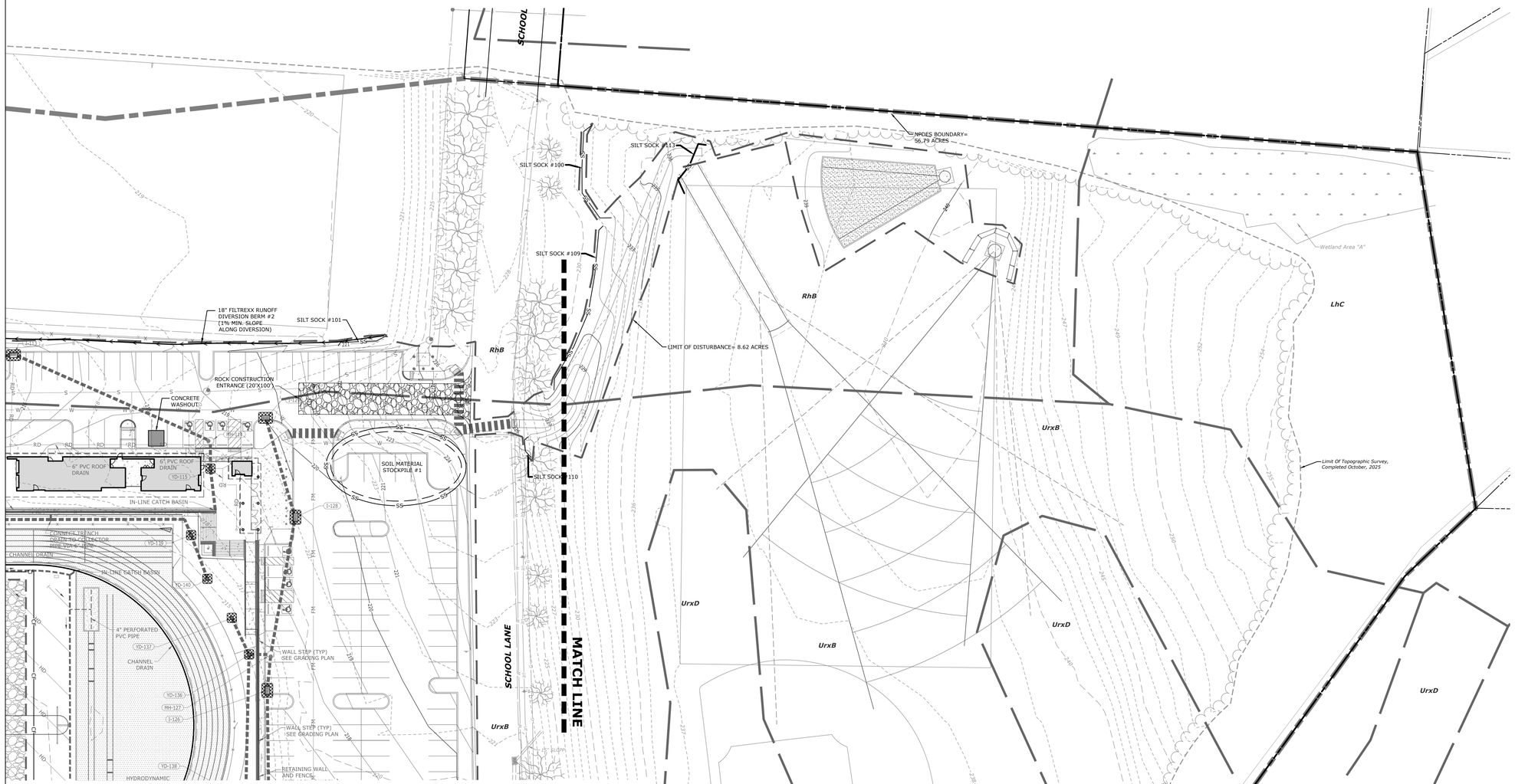
SHEET TITLE

E&S PLAN

SHEET #

C-701.1

SCALE	AS NOTED
DATE	10-21-2026



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- SANITARY SEWER MANHOLE
- SANITARY SEWER STRUCTURE LABEL
- S — SANITARY SEWER MAIN
- SANITARY SEWER SERVICE LATERAL
- FM — SANITARY SEWER FORCE MAIN

GRAPHIC SCALE
0 15 30 60
SCALE: 1" = 30'

SOIL LIMITATION RESOLUTIONS

1. SLOPES - EXCAVATIONS SHOULD BE STABILIZED TO PREVENT EROSION AND CONTRACTOR SHOULD EMPLOY PROPER CONSTRUCTION TECHNIQUES TO ENSURE SAFETY ON STEEP SLOPE AREAS.
2. DEPTH OF ROCK - IF BEDROCK IS ENCOUNTERED, REMOVE AS NECESSARY IN ACCORDING WITH PROJECT SPECIFICATIONS.
3. FROST ACTION - CONTRACTOR SHALL CONSULT PROJECT GEOTECHNICAL ENGINEER/INSPECTOR REGARDING ANY SPECIAL MEASURES TO BE TAKEN FOR EARTHWORK WHICH IS TO OCCUR DURING PERIODS OF FROST.
4. SOIL pH LEVELS - CONTRACTOR SHALL HAVE SOIL pH TESTED TO DETERMINE CORRECT FERTILIZER APPLICATION RATES.
5. FLOODING POTENTIAL - ENSURE THAT THE SITE HAS PROPER DRAINAGE.
6. HIGH GROUNDWATER LEVEL - CONTRACTOR SHALL EMPLOY DEWATERING TECHNIQUES AS APPROVED BY THE CONSERVATIOI DISTRICT. PUMPED WATER FILTER BAGS SHALL BE USED TO DEWATER UTILITY TRENCHES AND BELOW GRADE EXCAVATIONS.
7. EROSION - ANY EROSION THAT OCCURS THAT CAN NOT BE ADDRESSED BY MEASURES FOUND IN THE PLANS THE CONTRACTOI SHALL CONTACT THE SITE DESIGN ENGINEER AND THE CONSERVATION DISTRICT.
8. BASIN AREAS AND EMBANKMENTS - FILL FOR BASIN EMBANKMENTS SHALL BE COMPACTED IN 8" LIFTS TO 98% MAXIMUM DRY DENSITY (STANDARD PROCTOR) ±2% MOISTURE CONTENT PER PER ASTM D-1557. ANTI-SEEP COLLARS SHALL BE INSTALLED ON A BASIN DISCHARGE PIPING TO PREVENT SEEPAGE OF WATER FROM THE BASIN. CONSULT WITH SITE DESIGN ENGINEER FOR THE SPECIFIC ANTI-SEEP COLLAR SIZE REQUIREMENTS.

GENERAL E&S NOTES

1. BEFORE INITIATING ANY REVISIONS TO THE APPROVED EROSION AND SEDIMENT CONTROL PLAN OR REVISIONS TO OTHER PLANS WHICH MAY AFFECT THE EFFECTIVENESS OF THE APPROVED E&S CONTROL PLAN, THE OPERATOR MUST RECEIVE APPROVAL OF THE REVISIONS FROM THE MONTGOMERY COUNTY CONSERVATION DISTRICT.
2. THE CONTRACTOR IS ADVISED TO BECOME THOROUGHLY FAMILIAR WITH THE PROVISIONS OF THE APPENDIX 64, EROSION CONTROL RULES AND REGULATIONS, TITLE 25, PART 1, DEPARTMENT OF ENVIRONMENTAL PROTECTION, SUBPART C, PROTECTION OF NATURAL RESOURCES, ARTICLE III, WATER RESOURCES, CHAPTER 102, EROSION CONTROL.
3. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES.
4. SPECIAL CARE SHALL BE TAKEN TO PREVENT SEDIMENT LADEN STORMWATER FROM ENTERING ALL STORMWATER MANAGEMENT AND CONVEYANCE FACILITIES UNTIL THE SITE HAS BEEN PROPERLY STABILIZED.

DRAWING SIZE: 30 X 42

STAMP

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
J. MARC KUROWSKI
ENGINEER
No. 052032-E

CONSULTANTS

K&W SINCE 2005
2201 North Front Street, Suite 200
Harrisburg, PA 17110
P: 717.635.2835
www.kandwengineers.com

GODSHALL KANE O'ROURKE ARCHITECTS, LLC
300 Brookside Avenue
Ambler Yards - Building 18 - Suite 150
Ambler, PA 19002
T: 215.646.2003
www.gkoarchitects.com

GKO ARCHITECTS

POTTSGROVE HIGH SCHOOL FACILITY AND ATHLETIC IMPROVEMENTS

1345 KAUFFMAN RD, POTTSTOWN, PA 19464

REVISIONS	
BID SET	10/21/2026

DRAWN BY	RES
REVIEWED BY	
JOB #	2665

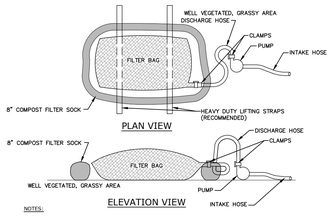
SHEET TITLE

E&S PLAN

SHEET #

C-701.2

SCALE	AS NOTED
DATE	10-21-2026



PLAN VIEW

ELEVATION VIEW

NOTES:

LOW VOLUME FILTER BAGS SHALL BE MADE FROM NON-WOVEN GEOTEXTILE MATERIAL SEWN WITH HIGH STRENGTH, DOUBLE STITCHED "3" 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 EQUIPPED 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.

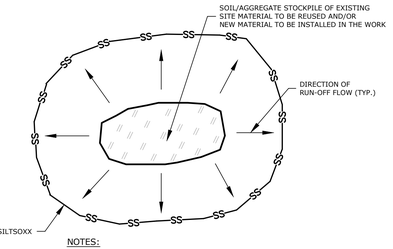
THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHALL BE FLOATING AND SCREENED.

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

TO BE CONSTRUCTED WITH MATERIALS AND TECHNIQUES IN ACCORDANCE WITH THE EROSION AND SEDIMENT POLLUTION CONTROL MANUAL EFFECTIVE DATE MARCH 31, 2012 AS AMENDED.

ALTERNATIVE CONSTRUCTION DETAIL
PUMPED WATER FILTER BAG

NOT TO SCALE



NOTES:

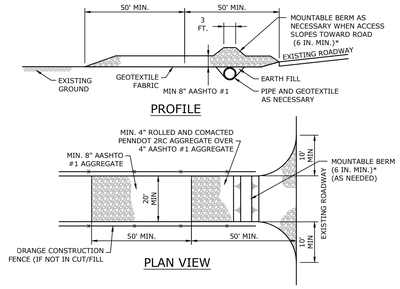
1. ALL EXISTING EXCAVATED MATERIAL THAT IS NOT TO BE REUSED IN THE WORK IS TO BE IMMEDIATELY REMOVED FROM THE SITE AND PROPERLY DISPOSED OF.

2. SOIL/AGGREGATE STOCKPILE SITES TO BE WHERE SHOWN ON THE DRAWINGS.

3. RESTORE STOCKPILE SITES TO PRE-EXISTING PROJECT CONDITION AND RESEED AS REQUIRED.

TEMPORARY TOPSOIL STOCKPILE

NOT TO SCALE



PROFILE

PLAN VIEW

* MOUNTABLE BERM USED TO PROVIDE PROPER COVER FOR PIPE

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.

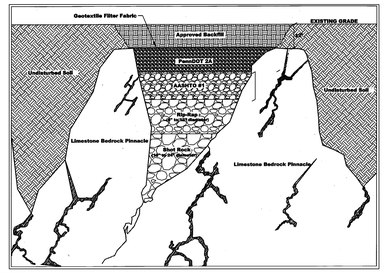
MOUNTABLE BERM SHALL BE INSTALLED WHEREVER OPTIONAL CULVERT PIPE IS USED AND PROPER PIPE COVER AS SPECIFIED BY MANUFACTURER IS NOT OTHERWISE PROVIDED. PIPE SHALL BE SIZED APPROPRIATELY FOR SIZE OF DITCH BEING CROSSED.

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.

TO BE CONSTRUCTED WITH MATERIALS AND TECHNIQUES IN ACCORDANCE WITH THE EROSION AND SEDIMENT POLLUTION CONTROL MANUAL EFFECTIVE DATE MARCH 31, 2012 AS AMENDED

ALTERNATIVE CONSTRUCTION DETAIL
ROCK CONSTRUCTION ENTRANCE

NOT TO SCALE



NOTES:

1. THE REPAIRS OUTLINED BELOW ARE GENERAL GUIDELINES AND EACH SINKHOLE OCCURRENCE SHOULD BE THOROUGHLY REVIEWED BY THE GEOTECHNICAL ENGINEER OF RECORD FOR AN APPROPRIATE REMEDIATION PLAN:

STRUCTURAL AREAS (AREAS WITHIN THE BUILDING FOOTPRINT OR BENEATH PAVEMENT)
- ANY AND ALL LOOSE AND/OR SATURATED SOILS WITHIN THE SINKHOLE SHOULD BE EXCAVATED AND CONTINUE UNTIL STABLE SOILS, A "THROAT" IS IDENTIFIED, OR UNTIL THE EXTENT OF THE EXCAVATION EQUIPMENT IS REACHED.
- UPON REMOVAL OF THE UNSTABLE SOILS, THE EXCAVATION SHOULD BE BACKFILLED USING HIGH MOBILITY, LOW STRENGTH FLOWABLE FILL (500 PSI) TO FINAL SUBGRADE ELEVATION.

NON-STRUCTURAL AREAS (NON-BUILDING/LANDSCAPED AREAS)
- ANY AND ALL LOOSE AND/OR SATURATED SOILS SHOULD BE EXCAVATED FROM THE SINKHOLE. EXCAVATION SHOULD CONTINUE UNTIL STABLE SOILS, A "THROAT" IS IDENTIFIED, OR UNTIL THE EXTENT OF THE EXCAVATION EQUIPMENT IS REACHED.
- THE EXCAVATION SHOULD BE BACKFILLED WITH AGGREGATE OF DECREASING SIZE AS DEPICTED ON THE *INVERTED FILTER DETAIL*

SINKHOLE REPAIR DETAIL

NOT TO SCALE



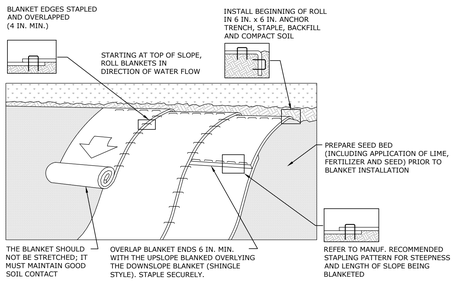
SECTION

PLAN

NOTES:
1. INSTALL ON FLAT GRADE FOR OPTIMUM PERFORMANCE.
2. 18" DIAMETER SOCKS IN PYRAMIDAL CONFIGURATION FOR ADDED HEIGHT.

FIGURE 3.18
TYPICAL COMPOST SOCK WASHOUT INSTALLATION

NOT TO SCALE



NOTES:

SEED AND SOIL AMENDMENTS SHALL BE APPLIED ACCORDING TO THE RATES IN THE PLAN DRAWINGS PRIOR TO INSTALLING THE BLANKET.

PROVIDE ANCHOR TRENCH AT TOE OF SLOPE IN SIMILAR FASHION AS AT TOP OF SLOPE.

SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS, AND GRASS.

BLANKET SHALL HAVE GOOD CONTINUOUS CONTACT WITH UNDERLYING SOIL THROUGHOUT ENTIRE LENGTH. LAY BLANKET LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH SOIL. DO NOT STRETCH BLANKET.

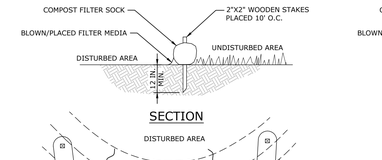
THE BLANKET SHALL BE STAPLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

BLANKETED AREAS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT UNTIL PERENNIAL VEGETATION IS ESTABLISHED TO A MINIMUM UNIFORM 70% COVERAGE THROUGHOUT THE BLANKETED AREA. DAMAGED OR DISPLACED BLANKETS SHALL BE RESTORED OR REPLACED WITHIN 4 CALENDAR DAYS.

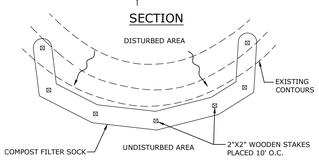
TO BE CONSTRUCTED WITH MATERIALS AND TECHNIQUES IN ACCORDANCE WITH THE EROSION AND SEDIMENT POLLUTION CONTROL MANUAL EFFECTIVE DATE MARCH 31, 2012 AS AMENDED.

STANDARD CONSTRUCTION DETAIL #11-1
EROSION CONTROL BLANKET INSTALLATION

NOT TO SCALE



SECTION



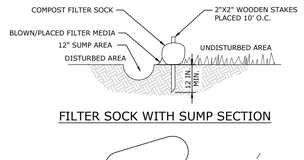
PLAN VIEW

NOTES:

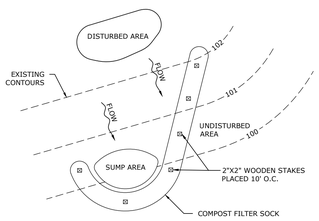
1. SOCK FABRIC SHALL MEET STANDARDS OF TABLE 4.1 OF THE PA DEP EROSION CONTROL MANUAL. COMPOST SHALL MEET THE STANDARDS OF TABLE 4.2 OF THE PA DEP EROSION CONTROL MANUAL.
2. COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE BARRIER SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE ANY BARRIER SHALL NOT EXCEED THAT SPECIFIED FOR THE SIZE OF THE SOCK AND THE SLOPE OF ITS TRIBUTARY AREA.
3. TRAFFIC SHALL NOT BE PERMITTED TO CROSS COMPOST FILTER SOCKS.
4. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE BARRIER AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.
5. COMPOST FILTER SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.
6. BIODEGRADABLE COMPOST FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
7. UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.
8. TO BE CONSTRUCTED WITH MATERIALS AND TECHNIQUES IN ACCORDANCE WITH THE EROSION AND SEDIMENT POLLUTION CONTROL MANUAL EFFECTIVE DATE MARCH 31, 2012 AS AMENDED. REFER TO TABLE 4.1 & 4.2 FOR FABRIC SPECIFICATIONS AND COMPOST STANDARDS.
9. A SUMP AREA MAY BE ADDED TO THE STANDARD COMPOST FILTER SOCK PLACEMENT AT THE DISCRETION OF THE CONTRACTOR.
10. A J-HOOK WITH SUMPED AREA MUST BE INSTALLED WHERE SPACE LIMITATIONS PREVENT THE PLACEMENT OF COMPOST FILTER SOCK AT LEVEL GRADE.

TABLE 4.2
COMPOST STANDARDS

ORGANIC MATTER CONTENT	25% - 100% (DRY WEIGHT BASIS)
ORGANIC PORTION	FIBROUS AND ELONGATED
pH	5.5 - 8.5
MOISTURE CONTENT	30% - 60%
PARTICLE SIZE	30% - 50% PASS THROUGH 3/8" SIEVE
SOLUBLE SALT CONCENTRATION	5.0 DS/M (MMHOS/CM) MAXIMUM



FILTER SOCK WITH SUMP SECTION



COMPOST FILTER SOCK #	SOCK DIAMETER (IN)
100	12
101	12
102	18
103	12
104	18
105	32
106	12
107	12
108	12
109	32
110	32
111	18
112	18
113	12

J-HOOK PLACEMENT

TABLE 4.1
COMPOST SOCK FABRIC MINIMUM SPECIFICATIONS

MATERIAL TYPE	3 MIL HDPE	5 MIL HDPE	5 MIL HDPE	MULTI-FILAMENT POLYPROPYLENE (MFPP)	HEAVY DUTY MULTI-FILAMENT POLYPROPYLENE (HDMFPP)
MATERIAL CHARACTERISTICS	PHOTO-DEGRADABLE	PHOTO-DEGRADABLE	BIO-DEGRADABLE	PHOTO-DEGRADABLE	PHOTO-DEGRADABLE
SOCK DIAMETERS	12" 18"	12" 18" 24" 32"	12" 18" 24" 32"	12" 18" 24" 32"	12" 18" 24" 32"
MESH OPENING	3/8"	3/8"	3/8"	3/8"	1/8"
TENSILE STRENGTH		26 PSI	26 PSI	44 PSI	26 PSI
ULTRAVIOLET STABILITY % ORIGINAL STRENGTH (ASTM G-155)	23% AT 1000 HR.	23% AT 1000 HR.		100% AT 1000 HR.	100% AT 1000 HR.
MINIMUM FUNCTIONAL LONGEVITY	6 MONTHS	9 MONTHS	6 MONTHS	1 YEAR	2 YEARS
TWO-PLY SYSTEMS					
INNER CONTAINMENT NETTING	HDPE BIAXIAL NET CONTINUOUSLY WOUND FUSION WELDED JUNCTURES 3/4" X 3/4" MAX. APERTURE SIZE				
OUTER FILTRATION MESH	COMPOSITE POLYPROPYLENE FABRIC (WOVEN LAYER AND NON-WOVEN FLEECE MECHANICALLY FUSED VIA NEEDLE PUNCH) 3/16" MAX. APERTURE SIZE				
SOCK FABRICS COMPOSED OF BURLAP MAY BE USED ON PROJECTS LASTING 6 MO. OR LESS					

STANDARD CONSTRUCTION DETAIL #4-1
COMPOST FILTER SOCK

NOT TO SCALE

DRAWING SIZE: 30 X 42

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
J. MARC KUROWSKI
ENGINEER
No. 052032-E
STAMP

K&W SINCE 2005
2201 North Front Street, Suite 200
Harrisburg, PA 17110
P: 717.635.2835
www.kandwengineers.com
CONSULTANTS

GODSHALL KANE O'ROURKE ARCHITECTS, LLC
300 Brookside Avenue
Ambler Yards - Building 18 - Suite 150
Ambler, PA 19002
T: 215.646.2003
www.gkoarchitects.com
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REVISIONS	
BID SET	10/21/2026

DRAWN BY	RES
REVIEWED BY	
JOB #	2665

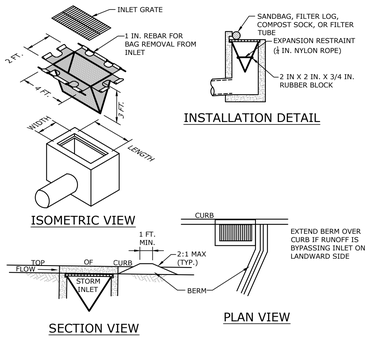
SHEET TITLE

E&S DETAILS

SHEET #

C-702

SCALE	AS NOTED
DATE	10-21-2026



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 SHALL BE MAINTAINED UNTIL ROADWAY IS STONED. ROAD SUBBASE BERM SHALL BE MAINTAINED UNTIL ROADWAY IS PAVED. SIX INCH MINIMUM HEIGHT ASPHALT BERM SHALL BE MAINTAINED UNTIL ROADWAY SURFACE RECEIVES FINAL COAT.
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 OF ACCUMULATED SEDIMENT AS WELL AS ALL USED BAGS ACCORDING TO THE PLAN NOTES.

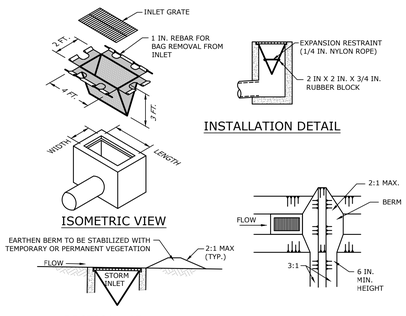
DO NOT USE ON MAJOR PAVED ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.

TO BE CONSTRUCTED WITH MATERIALS AND TECHNIQUES IN ACCORDANCE WITH THE EROSION AND SEDIMENT POLLUTION CONTROL MANUAL EFFECTIVE DATE MARCH 31, 2012 AS AMENDED.

STANDARD CONSTRUCTION DETAIL #4-15

FILTER BAG INLET PROTECTION - TYPE C INLET

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 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.

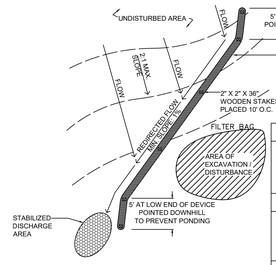
DO NOT USE ON MAJOR PAVED ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.

TO BE CONSTRUCTED WITH MATERIALS AND TECHNIQUES IN ACCORDANCE WITH THE EROSION AND SEDIMENT POLLUTION CONTROL MANUAL EFFECTIVE DATE MARCH 31, 2012 AS AMENDED.

STANDARD CONSTRUCTION DETAIL #4-16

FILTER BAG INLET PROTECTION - TYPE M INLET

NOT TO SCALE



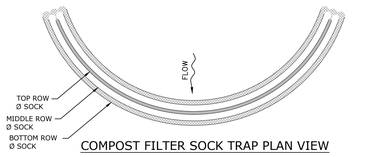
NOTES:
1. REMOVE SEDIMENT FROM THE UPSLOPE SIDE OF THE SOXX™ WHEN ACCUMULATION HAS REACHED ½ OF EFFECTIVE HEIGHT OF SOXX™
2. SLOPES GREATER THAN 5% MAY REQUIRE ADDITIONAL STABILIZATION PRACTICES
3. SOXX™ MAY BE SEEDED AT THE TIME OF INSTALLATION
4. FILTREXX GROWING MEDIA SHALL BE USED FOR INFILL MATERIAL

TABLE 6.1
FILTREXX SILTSOXX MESH MATERIAL SPECIFICATION

MATERIAL TYPE	NATURAL ORIGINAL (Cotton Fiber)	NATURAL PLUS (Wood Fiber	BASIC (5 mil High Density Polyethylene HDPE)	BASIC PLUS (Multi-Filament Polypropylene MFPP)	DURABLE (Multi-Filament Polypropylene MFPP)	ORIGINAL / DURABLE PLUS / DURASOXX HD (Multi-Filament Polypropylene MFPP)	EXTREME (Multi-Filament Polypropylene MFPP)
Material Characteristic	Biodegradable	Biodegradable	Photodegradable	Photodegradable	Photodegradable	Photodegradable	Photodegradable
Design Diameters	5 in (125mm), 8 in (200mm), 12 in (300mm)	5 in (125mm), 8 in (200mm), 12 in (300mm)	8 in (200mm), 12 in (300mm), 18 in (400mm)	8 in (200mm), 12 in (300mm), 18 in (400mm), 24 in (600mm), 32 in (800mm)	5 in (125mm), 8 in (200mm), 12 in (300mm), 18 in (400mm), 24 in (600mm), 32 in (800mm)	5 in (125mm), 8 in (200mm), 12 in (300mm), 18 in (400mm), 24 in (600mm)	8 in (200mm), 12 in (300mm)
MESH OPENING	1/8 in (3mm)	1/8 in (3mm)	3/8 in (10mm)	3/8 in (10mm)	1/8 in (3mm)	1/8 in (3mm)	1/16 in (1.5mm)
Tensile Strength (ATSM D4595)	MD: 193 lbs TD: 158 lbs	MD: 210 lbs TD: 289 lbs	MD: 211 lbs TD: 79 lbs	MD: 236 lbs TD: 223 lbs	MD: 545 lbs TD: 226 lbs	MD: 670 lbs TD: 423 lbs	MD: 1062 lbs TD: 797 lbs
% Original Strength from Ultraviolet Exposure (ASTM G-155)	ND	ND	23% at 1000 hr	100% at 1000 hr	100% at 1000 hr	100% at 1000 hr	100% at 1000 hr
Functional Longevity/ Project Duration	up to 12 months	up to 18 months	up to 4 yr	up to 4 yr	up to 5 yr	up to 5 yr	up to 5 yr

FILTREXX ® RUNOFF DIVERSION

NOT TO SCALE



TRAP DESIGNATION	TOP ROW	MIDDLE ROW	BOTTOM ROW
TRAP 1	1-12" Ø SOCK	2-18" Ø SOCK	3-32" Ø SOCK

DESIGN NOTES:

1. COMPOST SOCK SEDIMENT TRAP SHALL BE SIZED TO PROVIDE 2000 CUBIC FEET OF STORAGE CAPACITY FOR EACH ACRE TRIBUTARY TO THE TRAP.
2. MINIMUM BASE WIDTH IS EQUAL TO THE HEIGHT.
3. SEDIMENT ACCUMULATION SHALL NOT EXCEED 1/3 THE TOTAL HEIGHT OF THE TRAP.
4. SOCKS SHALL BE OF LARGER DIAMETER AT THE BASE OF THE TRAP AND DECREASE IN DIAMETER FOR SUCCESSIVE LAYERS AS SHOWN ON THE PLAN VIEW.
5. ENDS OF THE TRAP SHALL BE A MINIMUM OF 1 FOOT HIGHER IN ELEVATION THAN THE MID-SECTION, WHICH SHALL BE LOCATED AT THE POINT OF DISCHARGE.

NOTES:

SOCK MATERIAL SHALL MEET THE STANDARDS OF TABLE 4.1 OF THE PA DEP EROSION CONTROL MANUAL. COMPOST SHALL MEET THE STANDARDS OF TABLE 4.2 OF THE PA DEP EROSION CONTROL MANUAL.

COMPOST SOCK SEDIMENT TRAPS SHALL NOT EXCEED THREE SOCKS IN HEIGHT AND SHALL BE STACKED IN PYRAMIDAL FORM AS SHOWN ABOVE. MINIMUM TRAP HEIGHT IS ONE 24" DIAMETER SOCK. ADDITIONAL STORAGE MAY BE PROVIDED BY MEANS OF AN EXCAVATED SUMP 12" DEEP EXTENDING 1 TO 3 FEET UPSLOPE OF THE SOCKS ALONG THE LOWER SIDE OF THE TRAP.

COMPOST SOCK SEDIMENT TRAPS SHALL PROVIDE 2,000 CUBIC FEET STORAGE CAPACITY WITH 12" FREEBOARD FOR EACH TRIBUTARY DRAINAGE ACRE. (SEE MANUFACTURER FOR ANTICIPATED SETTLEMENT.)

THE MAXIMUM TRIBUTARY DRAINAGE AREA IS 5.0 ACRES. SINCE COMPOST SOCKS ARE "FLOW-THROUGH," NO SPILLWAY IS REQUIRED.

COMPOST SOCK SEDIMENT TRAPS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/3 THE HEIGHT OF THE SOCKS.

PHOTODEGRADABLE AND BIODEGRADABLE SOCKS SHALL NOT BE USED FOR MORE THAN 1 YEAR.

TO BE CONSTRUCTED WITH MATERIALS AND TECHNIQUES IN ACCORDANCE WITH THE EROSION AND SEDIMENT POLLUTION CONTROL MANUAL EFFECTIVE DATE MARCH 31, 2012 AS AMENDED.

STANDARD CONSTRUCTION DETAIL #3-11

COMPOST SOCK SEDIMENT TRAP

NOT TO SCALE

STAMP

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
J. MARC KUROWSKI
ENGINEER
No. 052032-E

K&W SINCE 2005
2201 North Front Street, Suite 200
Harrisburg, PA 17110
P: 717.635.2835
www.kandwengineers.com

CONSULTANTS

GODSHALL KANE O'ROURKE ARCHITECTS, LLC
300 Brookside Avenue
Ambler Yards - Building 18 - Suite 150
Ambler, PA 19002
T: 215.646.2003
www.gkoarchitects.com

GKO ARCHITECTS

POTTSGROVE HIGH SCHOOL FACILITY AND ATHLETIC IMPROVEMENTS

1345 KAUFFMAN RD, POTTSTOWN, PA 19464

REVISIONS	
BID SET	10/21/2026

DRAWN BY	RES
REVIEWED BY	
JOB #	2665

SHEET TITLE

E&S DETAILS

SHEET #

C-703

SCALE	AS NOTED
DATE	10-21-2026

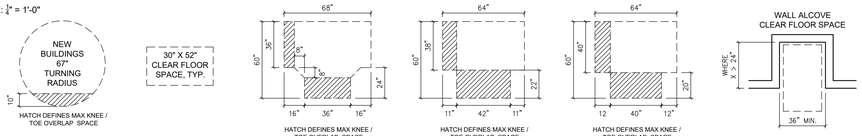
DRAWING SIZE: 30 X 42

TYPICAL ADA CLEARANCE DIAGRAMS

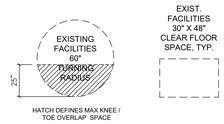
REFERENCE: 2017 ICC A117.1 - SUPPLEMENT 1 - ACCESSIBLE AND USABLE BUILDINGS & FACILITIES

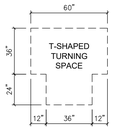
TURNING SPACE - NEW FACILITIES

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



TURNING SPACE EXISTING FACILITIES

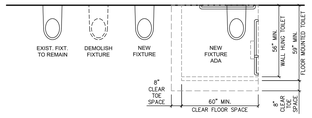




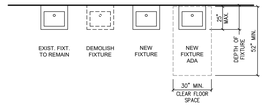
PLUMBING ELEMENTS GRAPHIC KEY:

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

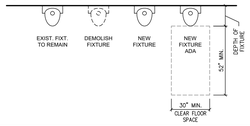
TOILET FIXTURES - PLAN



LAVATORY FIXTURES - PLAN



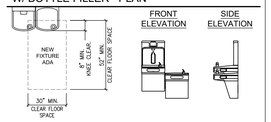
URINAL FIXTURES - PLAN



SINK



WATER COOLER / DRINKING FOUNTAIN W/ BOTTLE FILLER - PLAN



MANEUVERING CLEARANCE AT MANUAL SWINGING DOORS AND GATES

(PARTIAL INFO. FROM SECTION 404 DOORS, DOORWAYS AND GATES)

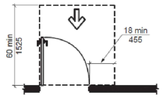


FIGURE 404.2.3.2(A)
MANEUVERING CLEARANCE AT MANUAL SWINGING DOORS FRONT APPROACH - PULL SIDE

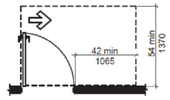


FIGURE 404.2.3.2(E)
MANEUVERING CLEARANCE AT MANUAL SWINGING DOORS HINGE APPROACH - PULL SIDE

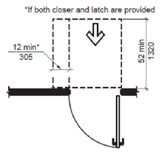


FIGURE 404.2.3.2(B)
MANEUVERING CLEARANCE AT MANUAL SWINGING DOORS FRONT APPROACH - PUSH SIDE - NEW BUILDINGS

FIGURE 404.2.3.2(F)
MANEUVERING CLEARANCE AT MANUAL SWINGING DOORS HINGE APPROACH - PUSH SIDE

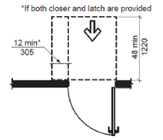


FIGURE 404.2.3.2(C)
MANEUVERING CLEARANCE AT MANUAL SWINGING DOORS FRONT APPROACH - PUSH SIDE - EXISTING BUILDINGS FOOTNOTE 5

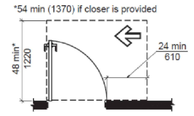


FIGURE 404.2.3.2(G)
MANEUVERING CLEARANCE AT MANUAL SWINGING DOORS LATCH APPROACH - PULL SIDE

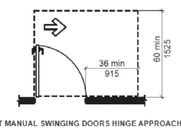


FIGURE 404.2.3.2(D)
MANEUVERING CLEARANCE AT MANUAL SWINGING DOORS HINGE APPROACH - PULL SIDE

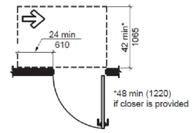


FIGURE 404.2.3.2(H)
MANEUVERING CLEARANCE AT MANUAL SWINGING DOORS LATCH APPROACH - PUSH SIDE

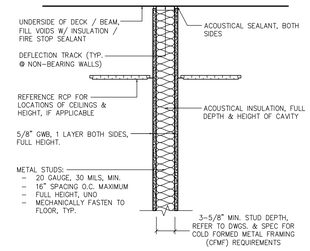
TABLE 404.2.3.2—MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS AND GATES

TYPE OF USE		MINIMUM MANEUVERING CLEARANCES	
Approach Direction	Door or Gate Side	Perpendicular to Doorway	Parallel to Doorway (beyond latch unless noted)
From front	Pull	60 inches (1525 mm)	18 inches (455 mm)
From front	Push	52 inches (1320 mm)[5]	0 inches (0 mm)[3]
From hinge side	Pull	60 inches (1525 mm)	36 inches (915 mm)
From hinge side	Pull	54 inches (1370 mm)	42 inches (1065 mm)
From hinge side	Push	42 inches (1065 mm)[1]	22 inches (560 mm)[4]
From latch side	Pull	48 inches (1220 mm)[2]	24 inches (610 mm)
From latch side	Push	42 inches (1065 mm)[2]	24 inches (610 mm)

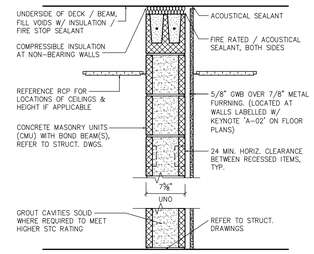
[1] Add 6 inches (150 mm) if closer and latch provided.
[2] Add 6 inches (150 mm) if closer provided.
[3] Add 12 inches (305 mm) beyond latch if closer and latch provided.
[4] Beyond hinge side.
[5] In existing buildings and facilities, the dimension perpendicular to the door or gate for the front direction on the push side shall be 48 inches (1220 mm) minimum.

INTERIOR WALL / PARTITION TYPES

TYPE 'A'



TYPE 'B'



GENERAL NOTES - PARTITION TYPES:

1. FIRE RESISTANCE RATING: REFER TO CODE SHEET FOR RATED WALL LOCATIONS.
2. WALL HEIGHT:
   - 2.1. WALL PARTITIONS TO BE FULL HEIGHT TO UNDERSIDE OF DECK / STRUCTURE, UNLESS NOTED OTHERWISE (UNO).
   - 2.2. PARTIAL HEIGHT WALLS TO BE BRACED TO STRUCTURE ABOVE, 48" O.C. MIN. REFER TO DRAWINGS FOR LOCATIONS OF PARTIAL HEIGHT WALLS.
3. 24" INCH SEPARATION RULE:
   - 3.1. RECESSED WALL BOXES / EQUIPMENT / FIXTURES, INCLUDING MECH./ELEC./PLUMB. ITEMS, INSTALLED ON OPPOSITE SIDES OF WALL, SHALL HAVE AT LEAST 24 INCHES SEPARATION BETWEEN ITEMS TO MEET FIRE RESISTANCE RATING (PER UL GUIDELINES) AND TO MAINTAIN ACOUSTICAL RATING.
   - 3.2. SEAL AROUND ALL PENETRATIONS
4. CONCRETE MASONRY UNITS (CMU):
   - 4.1. HORIZONTAL REINFORCEMENT, 24 INCHES ON CENTER, MIN.
   - 4.2. BOND BEAM W/ REBAR AT TOP COURSE, TYP.
   - 4.3. COORDINATE ADDITIONAL REQUIREMENTS W/ STRUCTURAL DRAWINGS
   - 4.4. STC RATINGS PER CMU WIDTH:
     - 4.4.1. REFER TO CMHA (CONCRETE MASONRY AND HARDSCAPES ASSOCIATION) FOR ADDITIONAL INFORMATION ON 'SOUND TRANSMISSION CLASS RATINGS FOR CONCRETE MASONRY WALLS', TABLE '1' INCLUDES THE FOLLOWING:
       - 4.4.1.1. 4" CMU: HOLLOW = 40-45 / GROUTED SOLID = 45-48 / SOLID = 44-48
       - 4.4.1.2. 6" CMU: HOLLOW = 42-46 / GROUTED SOLID = 51-53
       - 4.4.1.3. 8" CMU: HOLLOW = 44-49 / GROUTED SOLID = 55-57
       - 4.4.1.4. 10" CMU: HOLLOW = 46-51 / GROUTED SOLID = 58-60
       - 4.4.1.5. 12" CMU: HOLLOW = 48-53 / GROUTED SOLID = 61-63
5. METAL STUDS / CFMF:
   - 5.1. INSULATION: WHERE METAL STUDS ARE 6" DEEP OR LARGER ARE REQUIRED, PROVIDE 5" DEEP ACOUSTICAL INSULATION, UNLESS NOTED OTHERWISE.
   - 5.2. PARTITION TYPES NOTE MINIMUM SIZE REQUIREMENTS FOR METAL STUDS / CFMF. REFERENCE STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS, INCLUDING SECTIONS:
     - 5.2.3. 'NON-STRUCTURAL METAL FRAMING'
     - 5.2.4. 'COLD FORMED METAL FRAMING' (CFMF)
6. GYPSUM WALL BOARD (GWB):
   - 6.1. REFER TO SPECIFICATIONS FOR PRODUCT REQUIREMENTS & INSTALLATION SCHEDULE.
   - 6.2. REFER TO INTERIOR FINISHES AND COORDINATE GWB / CEMENT BOARD SUBSTRATE MATERIAL.
7. ACOUSTICAL PARTITIONS / STC RATINGS (SOUND TRANSMISSION CONTROL):
   - 7.1. WALL PARTITION TYPES TO MEET "ANSI/AS S12.60-2010 - ACOUSTICAL PERFORMANCE CRITERIA, DESIGN REQUIREMENTS, AND GUIDELINES FOR SCHOOLS".
   - 7.2. THIS INCLUDES FLOOR-TO-CEILING WALL ASSEMBLIES THAT SEPARATE CORE LEARNING SPACES FROM:
     - 7.2.1. 45 STC: CORRIDORS & STAIRCASES
     - 7.2.2. 45 STC: OFFICES & CONFERENCE ROOMS
     - 7.2.3. 50 STC: OTHER LEARNING SPACES
     - 7.2.4. 50 STC: HEALTHCARE ROOM (NURSE AREA)
     - 7.2.5. 53 STC: PUBLIC-USE TOILET & REST ROOMS
     - 7.2.6. 60 STC: MUSIC, AUDITORIUM, CAFETERIA, GYMNASIUM, SWIMMING POOL
     - 7.2.7. 60 STC: MECHANICAL ROOMS
   - 7.3. SEAL ALL PENETRATIONS / OPENINGS THROUGH PARTITION, INCLUDING BOTTOM/TOP OF WALL, AROUND DOORS, AROUND RECESSED ELEC. JUNCTION BOXES
8. GWB ON 7/8" METAL FURRING ON CMU:
   - 8.1. REFER TO FLOOR PLANS FOR LOCATIONS TO ADD ASSEMBLY TO CMU WALL.
9. INTERIOR WALL FINISHES:
   - 9.1. REFER TO A7 DRAWING SERIES & INTERIOR ELEVATIONS
   - 9.2. AT WALL TILE INSTALLATIONS, PROVIDE ¼" CEMENT BOARD IN LIEU OF STANDARD DRYWALL, TYP.

STAMP

CONSULTANTS

GODSHALL KANE O'ROURKE ARCHITECTS, LLC
300 Brookside Avenue
Ambler Yards - Building 18 - Suite 150
Ambler, PA 19002
T: 215.646.2003
www.gkoarchitects.com

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1345 KAUFFMAN RD, POTTSTOWN, PA 19464

REVISIONS	
BID SET	10/21/2026

DRAWN BY	
REVIEWED BY	
JOB #	2665

SHEET TITLE

PARTITION TYPES & TYP. ADA CLEARANCES

SHEET #

A0.1

SCALE	AS NOTED
DATE	10-21-2026

DRAWING SIZE: 30 X 42

GENERAL INFORMATION

PROJECT LOCATION
1345 Kauffman Rd
Pottstown, PA 19464
Borough of Pottstown
MONTGOMERY COUNTY, COMMONWEALTH OF PENNSYLVANIA

CLIMATE ZONE 4A PER IBC
R-2 RESIDENTIAL ZONING DISTRICT

PREVAILING CODES

2021 INTERNATIONAL BUILDING CODE, PENNSYLVANIA ED. (IJCC)
2021 INTERNATIONAL BUILDING CODE, CHAPTER 11 & APPENDIX E
2023 ICC 300 (GRANDSTANDS)
ICC/ANSI A117.1-2017
INTERNATIONAL ENERGY CONSERVATION CODE- 2021
THE PENNSYLVANIA CODE, TITLE 34- LABOR AND INDUSTRY

BUILDING & SITE INFORMATION

OCCUPANCY CLASSIFICATION (303, 508)
MIXED NON SEPARATED OCCUPANCY
MAIN OCC. 'A-5' GRANDSTANDS
ACCESSORY OCC. : 'B' BUSINESS
ACCESSORY OCC. : 'S-1' STORAGE

CONSTRUCTION TYPE (TABLE 601, 602)
TYPE 2B

ALLOWABLE BLDG HEIGHT (TABLE 504.3)
75' PERMITTED
PROPOSED: 46' (CONFORMING)

ALLOWABLE # OF STORIES (TABLE 504.4)
'1UL' STORIES PERMITTED
PROPOSED: 2 STORIES (CONFORMING)

ALLOWABLE BLDG AREA (TABLE 506.2)

MAIN BUILDING (A-5)	UL AREA PERMITTED	**14,650 SF PROVIDED**
ACCESSORY BUILDING (B)	23,000F PERMITTED	**2,680 SF PROVIDED**
ACCESSORY BUILDING (S-1)	17,500F PERMITTED	**2,680 SF PROVIDED**

ASSEMBLY USES

PRESS BOXES (1104.3.2)
EXEMPTION 1: AN ACCESSIBLE ROUTE SHALL NOT BE REQUIRED TO PRESS BOXES IN BLEACHERS THAT HAVE A SINGLE POINT OF ENTRY FROM THE BLEACHERS, PROVIDED THAT THE AGGREGATE AREA FOR EACH PLAYING FIELD IS NOT MORE THAN 500 SF.

WHEELCHAIR SPACES (1109.2.2.1)
6 SEATS

501 TO 5000 OCCUPANTS
6, PLUS 1 FOR EACH 150 OVER 500 = **12 SPACES**

DESIGNATED AISLE SEATS (1109.2.5)
AT LEAST 5% (1 MIN) OF THE TOTAL AISLE SEATS PROVIDED MUST BE DESIGNATED

FAMILY / ASSISTED USE RESTROOM (1110.2.1)
WHERE 6 OR MORE WATER CLOSETS ARE REQUIRED, A FAMILY / ASSISTED USE TOILET MUST BE PROVIDED

FIRE RATING REQUIREMENTS

BUILDING RESISTANCE REQUIREMENTS (TABLE 601 & 602) — **2B CONSTRUCTION**

PRIMARY STRUCTURAL FRAME	0 HR
EXT BEARING WALLS	0 HR
INT BEARING WALLS	0 HR
EXT NON-BEARING WALLS : <5	0 HR
>5 AND <10	0 HR
>10 AND <30	0 HR
>30	0 HR
INT NON-BEARING WALLS	0 HR
FLOOR CONSTRUCTION	0 HR
ROOF CONSTRUCTION	0 HR
SHAFT ENCLOSURES (713.4)	1 HR FOR LESS THAN 4 STORIES

INT WALL & CEILING REQUIREMENTS (TABLE 803.13)

VERT EXITS & PASSAGEWAYS	CLASS A
CORRIDORS	CLASS A
ROOMS & ENCL SPACES	CLASS B

UNDER GRANDSTANDS (903.2.1.5.1)
ENCLOSED SPACES UNDER GRANDSTANDS OR BLEACHERS SHALL BE EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM UNLESS 1000SF OR LESS

(1030.1.1.1)
ENCLOSED SPACES UNDER GRANDSTANDS OR BLEACHERS MUST HAVE A 1 HOUR FIRE BARRIER AND HORIZONTAL ASSEMBLY

FIRE & EGRESS (SPRINKLERED & ALARMED) - UNDER GRANDSTAND

ASSEMBLY FIRE PROTECTION SYSTEMS (903.2.1.3)
AUTOMATIC SPRINKLER SYSTEM PROVIDED

FIRE ALARM & DETECTION SYSTEM (907)
INSTALLED IN ACCORDANCE WITH NFPA-13

EGRESS WIDTH (1005.3)

STAIRWAYS	0.2" PER OCC
OTHER EGRESS COMPONENTS	0.15" PER OCC

NUMBER OF EXITS PER STORY (1006.3.2)
2 MINIMUM WITH OCC LOAD BTWN 1-500 OCCUPANTS

EXIT ACCESS DOORWAYS (1007.1.1.2)
DOOR SEPARATION DISTANCE SHALL BE NOT LESS THAN 1/3 OF MAX DIAGONAL DIMENSION OF THE AREA SERVED

EXIT ACCESS TRAVEL DISTANCE (1017.2)
USE GROUP A WITH SPRINKLER: 250' MAX

CORRIDOR FIRE-RESISTANCE RATING (TABLE 1020.2)
0 HR RATING

CORRIDOR WIDTH (1020.3)
44" MIN OR AS REQD. FOR OCC. LOAD GREATER THAN 50
36" MIN FOR OCCUPANT LOAD LESS THAN 50
72" MIN IN GROUP 'E' FOR LOAD GREATER THAN 100

DEAD END CORRIDORS (1020.5)
20' MAX AT ASSEMBLY, 50' MAX AT ALL OTHERS

FIRE & EGRESS (NON SPRINKLERED) - ACCESSORY BUILDINGS

FIRE ALARM & DETECTION SYSTEM (907)
INSTALLED IN ACCORDANCE WITH NFPA-13

EGRESS WIDTH (1005.3)

STAIRWAYS	0.3" PER OCC
OTHER EGRESS COMPONENTS	0.2" PER OCC

NUMBER OF EXITS PER STORY (1006.3.2)
2 MINIMUM WITH OCC LOAD BTWN 1-500 OCCUPANTS

EXIT ACCESS DOORWAYS (1007.1.1.2)
DOOR SEPARATION DISTANCE SHALL BE NOT LESS THAN 1/3 OF MAX DIAGONAL DIMENSION OF THE AREA SERVED

EXIT ACCESS TRAVEL DISTANCE (1017.2)
USE GROUP U WITHOUT SPRINKLER: 300' MAX

CORRIDOR FIRE-RESISTANCE RATING (TABLE 1020.2)
1 HR RATING

CORRIDOR WIDTH (1020.3)
44" MIN OR AS REQD. FOR OCC. LOAD GREATER THAN 50
36" MIN FOR OCCUPANT LOAD LESS THAN 50
72" MIN IN GROUP 'E' FOR LOAD GREATER THAN 100

DEAD END CORRIDORS (1020.5)
20' MAX

FIRE & EGRESS GRANDSTAND (ICC 300)

OCCUPANT LOAD (403.1)
BENCH SEATING - 18" PER OCCUPANT
REVIEW STANDS / BOXES - STANDING - 7SF PER OCC
REVIEW STANDS / BOXES - SEATING - 5SF PER OCC

MINIMUM NUMBER OF EXITS (404.1)
OCCUPANT LOAD 1,312 - 3 EXITS REQUIRED

MAX TRAVEL DISTANCE (404.5)
OPEN AIR ASSEMBLY - 400FT

AISLE WIDTH (OPEN AIR) (404.6)
<15,000 OCCUPANTS STEPS

W/ HANDRAILS <30	0.08
STEPS W/ HANDRAILS >30	0.08
PASSAGEWAYS	0.06
RAMPS STEEPER THAN 1:10	0.066

MIN AISLE WIDTH (405.2)

STAIRWAYS - SEATS BOTH SIDES	48" (36" WHERE <50 SEATS)
STAIRWAYS - SEATS ONE SIDE	36" (23" WHERE <50 SEATS)
RAMP / AISLE - SEATS BOTH SIDES	42" (36" WHERE <50 SEATS) (30 WHERE <14 SEATS)
RAMP / AISLE - SEATS ONE SIDE	36" (30" WHERE <14 SEATS)

DEAD END AISLE (OPEN AIR) (405.6)
21 ROWS

STAIR (406.1)
TREAD - 11" MIN
RISER - 4" MIN , 8" MAX

MARKING STRIPE (406.5)
LEADING EDGE MARKING STRIPE REQUIRED

STRAIGHT RAMP LANDING (406.9)
22" WHERE LOWER SIDE IS STEEPER
30" WHERE UPPER SIDE IS STEEPER

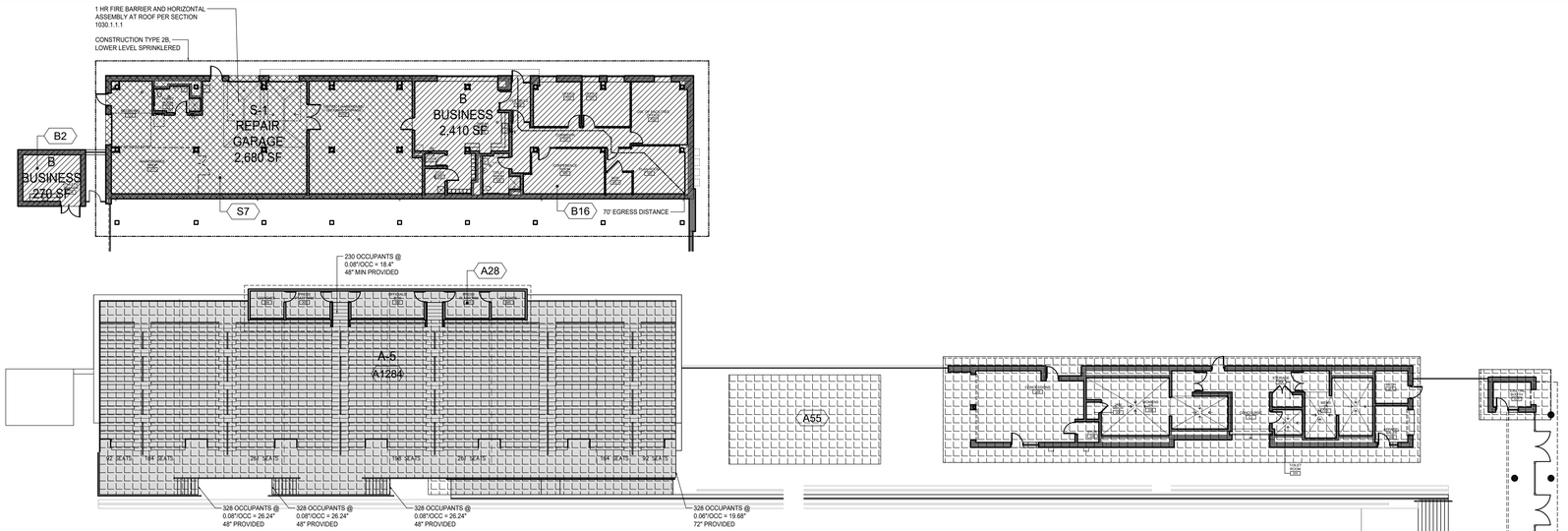
MAX SEATS PER ROW (407.5)
<4000 SEATS

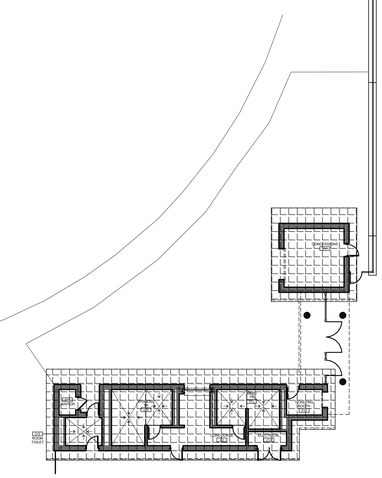
AISLE AND EITHER SIDE	
SEATS WITH BACKRESTS	14
SEATS WITHOUT BACKRESTS	21
DEAD END AISLE	
SEATS WITH BACKRESTS	7
SEATS WITHOUT BACKRESTS	10

PLUMBING FIXTURE CALCULATIONS (IBC 2902.1)								
OCCUPANCY LOADS		WATER CLOSETS		LAVATORIES			DRINKING FOUNTAIN	OTHER
USE GROUP	LOAD	MALE	FEMALE	MALE	FEMALE	BATH/SHOWER		
ASSEMBLY (A-5) (STADIUM OUTDOOR)	1350	1 PER 75 (0-1500) 1 PER 120 (1500+)	1 PER 40 (0-1520) 1 PER 60 (1520+)	1 PER 200	1 PER 150	-	1 PER 1,000	1 SERVICE SINK
		9.00	16.88	3.38	4.50		1.35	
BUSINESS (B)	18	1 PER 25 (0-50), 1 PER 50(50+)		1 PER 40 (0-80), 1 PER 80 (80+)		-	1 PER 100	1 SERVICE SINK
		0.36	0.36	0.23	0.23		0.18	
STORAGE (S-1)	7	1 PER 100		1 PER 100		-	1 PER 1,000	1 SERVICE SINK
		0.04	0.04	0.04	0.04		0.01	
TOTAL REQUIRED	1375	9	17	4	5	0	2	1
	TOTAL PROVIDED	13	18	7	9	2	6	1

NOTE:
OCCUPANCY LOAD FOR FIXTURE COUNT DETERMINED BY MAXIMUM OCCUPANCY FOR SPORTING EVENTS, WHICH TICKET SALE RECORDS STATE IS 1,350. STADIUM IS ONLY AT MAXIMUM CAPACITY ONCE PER YEAR AT GRADUATION, AT WHICH TIME FIXTURES IN THE HIGH SCHOOL WILL BE MADE AVAILABLE FOR USE.

OCCUPANT LOAD- NOTE THAT (X##) INDICATES LOAD FOR ROOM OR SPACE		BLDG TOTAL
(B##)	= 150SF / OCCUP - GROSS - BUSINESS	18
(A-5##)	PER 1004.6 FIXED SEATING; (HOME SIDE: 1,272 FIXED + 12 W.C. SPACES + 83 UNCONCENTRATED, VISITOR SIDE: 1,388 FIXED + 12 W.C. SPACES)	2767
(S-1##)	= 500SF / OCCUP - GROSS - WAREHOUSES	6
TOTAL OCCUPANT LOAD =		2791





Product iQ®

Design/System/Construction/Assembly Usage Disclaimer

Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, systems, devices, and materials.
Authorities Having Jurisdiction should be consulted before construction.
Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction. Only products which bear UL's Mark are considered Certified.

BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States

BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States
See Criteria and Allowable Variances

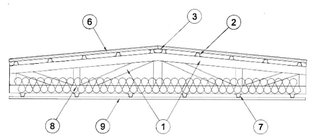
See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada
See Criteria and Allowable Variances

Design No. P558

November 27, 2019

Restrained Assembly Rating - 1 Hr.
Unrestrained Assembly Rating - 1 Hr.
This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



1. **Structural Steel Members*** — Pre-fabricated light gauge steel truss system consisting of cold-formed, galv steel cord and web sections. Trusses fabricated in various sizes, depths and from various steel thickness. Trusses spaced a max of 24 or 48 in. OC.
TRUSS LINK INC — Truss Link

2. **Framing Member*** — Optional when trusses are spaced a max. 24 in OC. Min. 18 ga, 4-5/8 in. by 1-1/2 in. tall. Steel hat channels to be spaced a max 32 in. OC and welded, or mechanically fastened, transverse to steel roof trusses (item 1), with 2 in. No. 12 hex head self-tapping screws.
TRUSS LINK INC — Smarthat Channels

3. **Bent Plate** — Formed of min. 18 MSG galv steel. When Framing Members* (item 2) are used, installed perpendicular to the steel trusses on top of and spanning the gap between the framing members (item 2) to serve as solid backing for the roof system (item 6). No fasteners required if the roof system fasteners are secured through the bent plate to the framing members (item 2). When Steel Roof Deck (item 6A) is used, or when Structural Steel Members* (item 1) are spaced max. 24 in. OC and Framing Members* (item 2) are omitted, bent plate installed directly to the steel trusses.

4. **Bridging** — (Not Shown) — Location of lateral bracing for truss chord and web sections to be specified on truss engineering.

5. **Vapor Barrier** — (Not Shown) — Commercial asphalt saturated felt, 0.019 in. thick, applied over the wood.

6. **Roof System*** — Any UL Class A, B or C Roofing System (TGFU) or Prepared Roof Covering (TFWZ) acceptable for use over nom 23/32 in. thick plywood sheathing installed parallel to the steel truss. Nom 23/32 in. thick plywood sheathing mechanically fastened to the hat channel on the top chord of steel trusses with 1-1/2 in. long Tek screws spaced a max of 6 in. OC at the perimeter and 12 in. OC in the field.

When Structural Steel Members* are spaced a max. 24 in. OC, as an option, the nom 23/32 in. thick plywood sheathing may be directly applied to the Structural Steel Members* with 1-1/2 in. long Tek screws spaced a max of 6 in. OC at the perimeter and 12 in. OC in the field.

6A. **Steel Roof Deck** — (Not Shown)—In lieu of the plywood sheathing described in item 6, for use in item 6D, the steel roof deck may consist of corrugated or fluted steel form units, min 9/16 in. deep, 26 MSG painted or galv steel, welded or mechanically fastened at a max 12 in. OC to the top chord of the steel trusses (item 1).

6B. **Cementitious** Backer Units* — For use in item 6D. Nom 1/2 or 5/8 in. thick sheets. End-joints to occur over crests of steel roof deck with end-joints staggered in adjacent rows. Units adhered or mechanically attached to steel roof deck.
UNITED STATES GYPSUM CO — Type DCB

6C. **Gypsum** Board — (Classified or Unclassified)—(Not Shown) — For use in item 6D, gypsum sheathing, min 1/2 in. thick, applied perpendicular to steel roof deck. End joints to occur over crests of steel roof deck and staggered in adjacent rows. Sheathing adhered or mechanically attached to steel roof deck. See Gypsum Board (CKNX) category for names of Classified companies.

6D. **Roof System*** — In lieu of Item 6— Any UL Class A, B or C Roofing System (TGFU) or Prepared Roof Covering (TFWZ) acceptable for use over nom 15/32 in. thick plywood sheathing, Cementitious Backer Units* (Item 6B), or gypsum board (Item 6C), installed perpendicular to the steel roof deck (Item 6A). Nom 15/32 in. thick plywood sheathing adhered or mechanically attached to steel deck. End joints to occur over crests of steel roof deck and staggered in adjacent rows.

6E. **Roof System*** — Any UL Class A, B or C Roofing System (TGFU) or Prepared Roof Covering (TFWZ) acceptable for use over tongue and groove structural panel installed parallel to the steel truss with end joints staggered a min of 4 ft. and centered over Framing Members (item 2) . Structural panel mechanically fastened to Framing Members on the top chord of steel trusses with 1-5/8 in. long No. 8 self-drilling, self-countersinking steel screws spaced a max of 12 in. OC in the field and 8 in. OC along the edges of the board . When Structural Steel Members (item 1) are spaced a max. 24 in. OC, as an option, the tongue and groove structural panel may be directly applied to the Structural Steel Members with 1-5/8 in. long No. 8 self-drilling, self-countersinking steel screws spaced a max of 12 in. OC in the field and 8 in. OC along edges of board.
UNITED STATES GYPSUM CO — Type STRUCTO-CRETE, USGSP

7. **Furring Channels** — 2-3/4 in. wide by 7/8 in. tall formed of min. 25 MSG galv steel, installed perpendicular to the steel trusses, (item 1) at a max of 12 in. OC when insulation (item 8 or 8A) is fitted in the concealed spaced or 16 in. OC when insulation (item 8 or 8A) is omitted. Two courses of channels positioned 6 in. OC at gypsum board butt-joints (3 in. from each end of the gypsum boards). Channel splices overlapped 6 in. beneath steel trusses. Channels secured to each truss with No. 18 SWG steel wire double strand saddle ties. Channels tied together with double strand of No. 18 SWG steel wire at 1 in. from each overlap end.

7A. **Furring Channels** — As an alternate to Item 7 -Resilient channels formed of 25 MSG galv steel, installed perpendicular to the steel trusses, (item 1) when trusses are spaced 24 in. OC. Resilient channels spaced a max of 16 in. OC when no insulation (Item 8 or 8A) is fitted in the concealed spaced, or a max of 12 in. OC when insulation (Item 8 or 8A) is fitted in the concealed space, draped over the resilient channel/gypsum board ceiling membrane. Two courses of resilient channel positioned 6 in. OC at gypsum board butt-joints (3 in. from each end of gypsum board). Channels oriented opposite at gypsum board butt-joints. Channel splices overlapped 4 in. beneath steel trusses. Channels secured to each truss with Type S12 by 1/2 in. long screws.

7B. **Furring Channels** — As an alternate to Item 7- Resilient channels, double legged formed of 25 MSG galv steel, 2-7/8 in. wide by 1/2 in. deep, installed perpendicular to the trusses (item 1) when trusses are spaced 24 in. OC. Resilient channels spaced max 16 in. OC when no insulation (Item 8 or 8A) is fitted in the concealed space, or a max of 12 in. OC when insulation (8 or 8A) is fitted in the concealed space, draped over the resilient channel/gypsum gypsum board ceiling membrane. Two courses of resilient channel positioned 6 in. OC at gypsum board butt-joints (3 in. from each end of gypsum board). Channel splices overlapped 4 in. beneath steel trusses. Channels secured to each truss with Type S12 by 1/2 in. long screws or with No. 18 SWG galv steel wire double strand saddle ties. Channels tied together with double strand of No. 18 SWG galv steel wire at each end of overlap.

8. **Batts and Blankets*** — Optional - Any thickness of glass fiber insulation bearing the UL Classification Marking for Surface Burning Characteristics, having a flame spread value of 25 or less and a smoke spread value of 50 or less. Insulation fitted in the concealed space, draped over the furring channel/gypsum board ceiling membrane.

8A. **Loose Fill Material*** — Optional - As an alternate to item 8 - Any thickness of loose fill material bearing the UL Classification Marking for Surface Burning Characteristics having a flame spread value of 25 or less and a smoke spread value of 50 or less. Loose fill material fitted in the concealed space, draped over the resilient channel/gypsum board ceiling membrane.

9. **Gypsum Board*** — One layer of nom 5/8 in. thick by 48 in. wide boards, installed with long dimension parallel to trusses. Attached to the furring channels using 1 in. long Type S bugle-head screws. Screws spaced a max of 12 in. OC along butted end-joints and in the field when no insulation (Item 8 or 8A) is fitted in the concealed space or a max of 8 in. OC along butted end-joints and in the field when insulation (Item 8 or 8A) is fitted in the concealed space, draped over the resilient channel/gypsum gypsum board ceiling membrane.
CGC INC — Type ULIX. (When Type ULIX is used screws adjusted to 8 in. OC).

UNITED STATES GYPSUM CO — Type C, ULIX. (When Type ULIX is used screws adjusted to 8 in. OC).

USG BORAL DRYWALL SFZ LLC — Type C

10. **Finishing System** — (Not Shown) —Vinyl, dry or premixed joint compound, applied in two coats to joints and screw-heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate, nom 3/32 in. thick veneer plaster may be applied to the entire surface of gypsum board.

Alternate **Ceiling Membranes** — Not Shown.

11. **Steel Framing Members** —

a. **Main Runners** — Installed perpendicular to Structural Steel Members — Nom 10 or 12 ft long, 15/16 in. or 1-1/2 in. wide face, spaced 4 ft OC. Main runners hung a min of 2 in. from bottom chord of Structural Steel Members* with 12 SWG galv steel wire. Wires located a max of 48 in. OC when no insulation (Item 8 or 8A) is used and 24 in when insulation (Item 8 or 8A) is used.

b. **Cross tees or channels** — Nom 4 ft long, 15/16 in. or 1-1/2 in. wide face, or cross channels, nom 4 ft long, 1-1/2 in. wide face, installed perpendicular to the main runners, spaced 16 in. OC. Additional cross tees or channels used at 8 in. from each side of butted gypsum board end joints. The cross tees or channels may be riveted or screw-attached to the wall angle or channel to facilitate the ceiling installation.

c. **Wall angles or channels** — Used to support steel framing member ends and for screw-attachment of the gypsum gypsum board — Min 0.016 in. thick painted or galvanized steel angle with 1 in. legs or min. 0.016 in.thick painted or galvanized steel channel with a 1 by 1-1/2 by 1 in. profile, attached to walls at perimeter of ceiling with fasteners 16 in. OC.
USG INTERIORS LLC — Type DGL or RX

11A. **Alternate Steel Framing Members*** — (Not Shown) - As an alternate to Item 11 - Not for use with items 8 or 8A - Main runners nom 12 ft long, spaced 72 in. OC. Main runners suspended by min 12 SWG galv steel hanger wires spaced 48 in. OC. Cross tees, nom 6 ft long, installed perpendicular to main runners and spaced 24 in. OC. Additional 6 ft long cross tees required at each gypsum board end joint with butted gypsum board end joints centered between cross tees spaced 8 in OC. The main runners and cross tees may be riveted, or screw attached to the wall angle or channel to facilitate the ceiling installation.
USG INTERIORS LLC — Type DGL or RX

12. **Gypsum Board*** — For use with Steel Framing Members (Item 11) when insulation (Item 8 or 8A) are not used - One layer of nominal 5/8 in. thick by 48 in. wide boards, installed with long dimension parallel to the main runners. Gypsum board fastened to each cross tee or channel with five gypsum board screws, with one screw located at the midspan of the cross tee or channel, one screw located 12 in. from and on each side of the cross tee or channel mid span, and one screw located 1-1/2 in. from each gypsum board side joint. Except at gypsum board end joints, gypsum board screws shall be located on alternating sides of cross tee flange. At gypsum board end joints, gypsum board screws shall be located 1/2 in. from the joint. Gypsum board fastened to main runners with gypsum board screws 1/2 in. from side joints, midway between intersections with cross tees or channels (16 in. OC). End joints of adjacent gypsum board sheets shall be staggered not less than 32 in. Gypsum board sheets screw attached to leg of wall angle with gypsum board screws spaced 12 in. OC. Joints treated as described in item 7. For use with Steel Framing Members* (Item 11) when insulation (Item 8 or 8A) are used - 5/8 in. thick, 4 ft wide; installed with long dimension perpendicular to cross tees with side joints centered along main runners and end joints centered along cross tees. Fastened to cross tees with 1 in. long steel gypsum board screws spaced 8 in. OC in the field and 8 in. OC along end joints. Fastened to main runners with 1 in. long gypsum board screws spaced midway between cross tees. Screws along sides and ends of boards spaced 3/8 to 1/2 in. from board edge. End joints of the sheets shall be staggered with spacing between joints on adjacent boards not less than 4 ft OC.
CGC INC — Type ULIX. (When Type ULIX is used screws adjusted to 8 in. OC).

UNITED STATES GYPSUM CO — Type C, ULIX. (When Type ULIX is used screws adjusted to 8 in. OC).

USG BORAL DRYWALL SFZ LLC — Type C

13. **Gypsum Board*** — For use with Steel Framing Members* (Item 11A) - One layer of nominal 5/8 in. thick by 48 in. wide boards, installed with long dimension (side joints) perpendicular to the 6 ft long cross tees with the end joints staggered min 4 ft and centered between cross tees which are spaced 8 in. OC. Gypsum board side joints may occur beneath or between main runners. Prior to installation of the gypsum board sheets, backer strips consisting of nom 7-3/4 in. wide pieces of gypsum board are to be laid atop the cross-tee flanges and centered over each butted end joint location. The backer strips are to be secured to the flanges of the cross tees at opposite corners of the backer strip with hold down clips to prevent the backer strips from being uplifted during screw-attachment of the gypsum board sheets. Gypsum board fastened to cross tees with 1 in. drywall screws spaced 1 in. and 4 in. from the side joints and max 8 in. OC in the field of the board. The butted end joints are to be secured to the backer strip with No. 10 by 1-1/2 in. long Type G laminating screws located 1 in. from each side of the butted end joint and spaced 1 in. and 4 in. from the side joints and max 8 in. OC in the field of the board.
CGC INC — Type ULIX

UNITED STATES GYPSUM CO — Type C, ULIX.

USG BORAL DRYWALL SFZ LLC — Type C

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Last Updated on 2019-11-27

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GODSHALL KANE O'ROURKE ARCHITECTS, LLC
300 Brookside Avenue
Ambler Yards - Building 18 - Suite 150
Ambler, PA 19002
T: 215.646.2003
www.gkoarchitects.com

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POTTSGROVE HIGH SCHOOL FACILITY AND ATHLETIC IMPROVEMENTS

1345 KAUFFMAN RD, POTTSTOWN, PA 19464

REVISIONS	
BID SET	10/21/2026
DRAWN BY	
REVIEWED BY	
JOB #	2665

SHEET TITLE

CODE PLANS

SHEET #

A0.2

SCALE	AS NOTED
DATE	10-21-2026

DRAWING SIZE: 30 X 42

DOOR SCHEDULE

DR. NO.	DOOR SIZE W	DOOR SIZE H	DOOR THK	DOOR TYPE	DOOR MAT'L	DOOR FINISH	FRAME TYPE	FRAME MAT'L	FRAME FINISH	JAMB	GLAZING	FIRE RATING	PANIC	CLOSER	ELECT.	SIGN	REMARKS
LOWER LEVEL FLOOR PLAN																	
100	3'-0"	7'-0"	1-3/4"	II	WOOD	STAIN	2	HM	PAINT	B	G-1	-	-	-	-	1	
101	3'-0"	7'-0"	1-3/4"	II	WOOD	STAIN	1	HM	PAINT	B	G-1	-	-	-	-	1	
102	3'-0"	7'-0"	1-3/4"	II	WOOD	STAIN	1	HM	PAINT	B	G-1	-	-	-	-	1	
103	3'-0"	7'-0"	1-3/4"	II	WOOD	STAIN	1	HM	PAINT	B	G-1	-	-	-	-	2	
103.1	4'-0"	7'-0"	1-3/4"	I	WOOD	STAIN	1	HM	PAINT	B	-	-	-	-	-	2	NOTE 1
104	3'-0"	7'-0"	1-3/4"	III	WOOD	STAIN	2	HM	PAINT	A	G-1	-	-	●	-	6B	4" HM JAMB @ HINGE SIDE
105	3'-0"	7'-0"	1-3/4"	II	WOOD	STAIN	2	HM	PAINT	B	G-1	-	-	-	-	2	
106	3'-0"	7'-2"	1-3/4"	III	FRP	FRP	*	ALUM	KYNAR	#/A8.2	I-1	-	●	●	●	6B	* REFERENCE EXTERIOR ELEVATIONS / NOTE 1
107	2'-8"	7'-0"	1-3/4"	I	WOOD	STAIN	1	HM	PAINT	A	-	-	-	-	-	2	
108	3'-0"	7'-0"	1-3/4"	I	WOOD	STAIN	1	HM	PAINT	A	-	-	-	-	-	2	
109	3'-0"	7'-0"	1-3/4"	I	WOOD	STAIN	1	HM	PAINT	A	-	-	-	●	-	3	
110.1	3'-0"	7'-2"	1-3/4"	III	WOOD	STAIN	2	HM	PAINT	A	G-1	-	-	●	-	2	4" HM JAMB @ HINGE SIDE
110.2	3'-0"	7'-2"	1-3/4"	III	FRP	FRP	1	ALUM	KYNAR	D	G-1	-	-	●	-	2	
111	(1)2'-0" (1)3'-0"	8'-0"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	WIRE MESH DOOR & CAGE
112	(2) 3'-4"	7'-2"	1-3/4"	I	FRP	FRP	1	ALUM	KYNAR	D	-	-	-	-	-	2	
113.1	3'-0"	7'-2"	1-3/4"	III	FRP	FRP	1	ALUM	KYNAR	C	I-1	-	●	●	●	6A	
113.2	3'-0"	7'-2"	1-3/4"	III	FRP	FRP	1	ALUM	KYNAR	C	I-1	-	●	●	●	6A	NOTE 1
113.3	INSUL OVERHEAD SECTIONAL DOOR: 8'-0" X 8'-0"															-	
113.4	INSUL OVERHEAD SECTIONAL DOOR: 8'-0" X 8'-0"															-	
113.5	INSUL OVERHEAD SECTIONAL DOOR: 8'-0" X 8'-0"															-	
114	(1)2'-0" (1)3'-0"	7'-2"	1-3/4"	I / IV	FRP	FRP	1	ALUM	KYNAR	C	I-1	-	-	●	●	2	NOTE 1 (SUBJECT TO ALTERNATE)
115	3'-0"	7'-2"	1-3/4"	I	FRP	FRP	1	ALUM	KYNAR	D	-	-	-	●	-	3	
S1	3'-0"	6'-0"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CHAIN LINK DOOR & FENCING (SUBJECT TO ALTERNATE)
UPPER LEVEL FLOOR PLANS																	
C1	3'-0"	7'-2"	1-3/4"	I	FRP	FRP	1	ALUM	KYNAR	C	-	-	-	●	-	3	NOTE 1
C1.1	INSUL OVERHEAD COILING DOOR: 10'-0" X 8'-8" (± ADDITIONAL HEIGHT TO AVOID FRAMING)															-	* REFERENCE EXTERIOR ELEVATIONS, NOTE 2 & 3
200	3'-0"	7'-2"	1-3/4"	III	FRP	FRP	*	ALUM	KYNAR	C	I-1	-	-	●	●	2	* REFERENCE EXTERIOR ELEVATIONS
200.1	INSUL OVERHEAD COILING DOOR: 4'-0" X 4'-2"															-	* REFERENCE EXTERIOR ELEVATIONS, NOTE 2
200.2	(2) 4'-0"	8'-0"	-	-	-	-	-	-	-	-	-	-	-	-	-	6B	DECOR. DOOR & FENCING
200.3	(2) 4'-0"	8'-0"	-	-	-	-	-	-	-	-	-	-	-	-	-	6B	DECOR. DOOR & FENCING
201	3'-0"	7'-2"	1-3/4"	I	FRP	FRP	1	ALUM	KYNAR	C	-	-	-	●	-	2	NOTE 1
202	3'-0"	7'-2"	1-3/4"	III	FRP	FRP	*	ALUM	KYNAR	C	I-1	-	-	●	-	2	* REFERENCE EXTERIOR ELEVATIONS
202.1	INSUL OVERHEAD COILING DOOR: 6'-8" X 4'-6"															-	* REFERENCE EXTERIOR ELEVATIONS, NOTE 2
203	(1)2'-0"(1)3'-0"	6'-8"	1-3/4"	I	FRP	FRP	3	ALUM	KYNAR	D	-	-	-	●	-	4	CLOSER TO INCLUDE HOLD OPEN DEVICE (BOTH DOORS), NOTE 4
204	(2) 2'-8"	7'-2"	1-3/4"	I	FRP	FRP	1	ALUM	KYNAR	D	-	-	-	-	-	2	
205	3'-0"	7'-2"	1-3/4"	I	FRP	FRP	1	ALUM	KYNAR	D	-	-	-	●	-	3	
206	(1)2'-0"(1)3'-0"	6'-8"	1-3/4"	I	FRP	FRP	3	ALUM	KYNAR	D	-	-	-	●	-	5	CLOSER TO INCLUDE HOLD OPEN DEVICE (BOTH DOORS), NOTE 4
207	2'-8"	7'-2"	1-3/4"	I	FRP	FRP	1	ALUM	KYNAR	D	-	-	-	-	-	2	
208	3'-0"	7'-2"	1-3/4"	I	FRP	FRP	1	ALUM	KYNAR	D	-	-	-	-	-	2	
209.1	3'-0"	7'-2"	1-3/4"	III	FRP	FRP	*	ALUM	KYNAR	C	I-1	-	-	●	-	2	* REFERENCE EXTERIOR ELEVATIONS
209.2	3'-0"	7'-2"	1-3/4"	I	FRP	FRP	1	ALUM	KYNAR	C & #/A8.2	-	-	-	●	-	2	NOTE 1
209.3	INSUL OVERHEAD COILING DOOR: 8'-0" X 5'-2"															-	* REFERENCE EXTERIOR ELEVATIONS, NOTE 2
209.4	INSUL OVERHEAD COILING DOOR: 8'-0" X 5'-2"															-	* REFERENCE EXTERIOR ELEVATIONS, NOTE 2
210	3'-0"	7'-2"	1-3/4"	III	FRP	FRP	*	ALUM	KYNAR	C	I-1	-	-	●	-	2	* REFERENCE EXTERIOR ELEVATIONS, NOTE 2
210.1	INSUL OVERHEAD COILING DOOR: 4'-0" X 4'-2"															-	* REFERENCE EXTERIOR ELEVATIONS, NOTE 2
210.2	4'-0"	8'-0"	-	-	-	-	-	-	-	-	-	-	-	-	-	6B	DECOR. DOOR & FENCING / NOTE 1
210.3	(2) 4'-0"	8'-0"	-	-	-	-	-	-	-	-	-	-	-	-	-	6B	DECOR. DOOR & FENCING
211	3'-0"	7'-2"	1-3/4"	I	FRP	FRP	1	ALUM	KYNAR	C	-	-	-	●	-	2	NOTE 1 (SUBJECT TO ALTERNATE)
211.1	INSUL OVERHEAD COILING DOOR: 8'-0" X 5'-2"															-	* REFERENCE EXTERIOR ELEVATIONS, NOTE 2 (SUBJECT TO ALTERNATE)
211.2	3'-0"	8'-0"	-	-	-	-	-	-	-	-	-	-	-	-	-	6B	DECOR. DOOR & FENCING / NOTE 1 (SUBJECT TO ALTERNATE)
212	(2) 3'-0"	7'-2"	1-3/4"	I	FRP	FRP	1	ALUM	KYNAR	C	-	-	-	●	-	2	NOTE 1
213	3'-0"	6'-8"	1-3/4"	I	FRP	FRP	3	ALUM	KYNAR	D	-	-	-	●	-	4	CLOSER TO INCLUDE HOLD OPEN DEVICE, NOTE 4
214	3'-0"	6'-8"	1-3/4"	I	FRP	FRP	3	ALUM	KYNAR	D	-	-	-	●	-	5	CLOSER TO INCLUDE HOLD OPEN DEVICE, NOTE 4
C2	3'-0"	7'-2"	1-3/4"	I	FRP	FRP	1	ALUM	KYNAR	C	-	-	-	●	-	2	NOTE 1
C2.1	INSUL OVERHEAD COILING DOOR: 6'-8" X 8'-8" (± ADDITIONAL HEIGHT TO AVOID FRAMING)															-	* REFERENCE EXTERIOR ELEVATIONS, NOTE 2 & 3
215.1	3'-0"	7'-2"	1-3/4"	I	FRP	FRP	1	ALUM	KYNAR	C	-	-	-	●	-	3	
215.2	3'-0"	7'-2"	1-3/4"	I	FRP	FRP	1	ALUM	KYNAR	C	-	-	-	●	-	3	
216	3'-0"	7'-2"	1-3/4"	I	FRP	FRP	1	ALUM	KYNAR	C	-	-	-	●	-	2	

END OF TABLE

Notes:

1. DOOR TO INCLUDE ELECTRONIC HARDWARE (CARD READER THIS LOCATION)
2. OVERHEAD COILING DOOR TO INCLUDE STEEL HOOD COVER
3. PROVIDE METAL THRESHOLD AT COILING DOOR, REFERENCE DOOR SPEC.
4. INSTALL AIR TRANSFER LOUVER GLAZED INTO FRAMING SYSTEM (TRANSOM). HC SUPPLIES, GC INSTALLS

GENERAL NOTES DOOR & FRAME TYPES

1. REFERENCE FLOOR PLANS, INTERIOR ELEVATIONS AND WINDOW TYPES FOR ADDITIONAL INFORMATION AND COORDINATION.
2. COORDINATE ALL ROUGH OPENING DIMENSIONS WITH MANUFACTURE SHOP DRAWINGS.

GLAZING TYPES

INTERIOR GLAZING (MONOLITHIC GLASS):

G-1: CLEAR FULLY TEMPERED FLOAT GLASS

EXTERIOR GLAZING (INSULATED GLASS / PANEL):

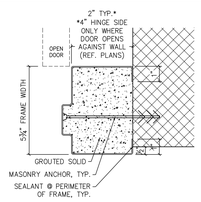
I-1: INSULATED, FULLY TEMPERED, CLEAR

SP-1: CERAMIC-COATED, INSULATING SPANDREL GLASS

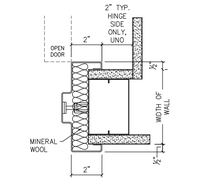
FRAMES / GLAZING GENERAL NOTES

1. ALL DIMENSIONS SHOWN ARE TO FACE OF MULLION, UNLESS NOTED OTHERWISE.
2. SEPARATE DISSIMILAR METALS, TYP.

JAMB TYPES



TYPE A – H.M. FRAME



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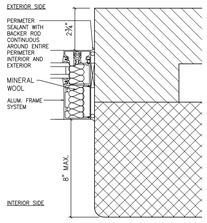
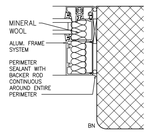


TYPE C – ALUM. FRAME

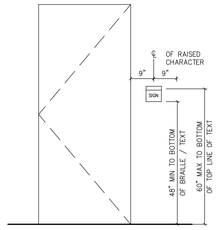


TYPE D – ALUM. FRAME

SIGN TYPES

ROOM IDENTIFICATION SIGNAGE - GENERAL NOTES:

1. ROOM NAMES, NUMBERS & LAYOUTS TO BE VERIFIED WITH ARCHITECT & OWNER DURING SUBMITTAL PHASE, PRIOR TO ORDERING.
2. LETTERING AND SYMBOLS TO MEET ANSI/ ADA REQUIREMENTS.
3. SIGNAGE PROPERTIES, TYP. UNLESS NOTED OTHERWISE.
   - 3.1. MATERIAL: 1/8" THICK CLEAR ACRYLIC W/ COLOR ON 2ND SURFACE; PAINTED ALUMINUM WHERE EXTERIOR.
   - 3.2. RAISED CHARACTERS AND SYMBOLS W/ RAISED GRADE 2 BRAILLE.
   - 3.3. PANEL SHAPE: RECTANGULAR W/ RADIUS CORNERS.
   - 3.4. COLOR OF PANEL & LETTERING: CONTRASTING COLORS TO BE SELECTED BY ARCHITECT FROM MANUFACTURERS FULL RANGE.
   - 3.5. LETTERING SIZE: 5/8" MINIMUM
   - 3.6. MOUNTING:
     - 3.6.1. EXTERIOR: MECHANICALLY FASTENED.
     - 3.6.2. INTERIOR: FLUSH W/ FOAM TAPE.
     - 3.6.3. AT GLASS: FLUSH W/ FOAM TAPE, PLUS PROVIDE MATCHING BACKER PANEL ON OPPOSITE SIDE OF GLASS.
4. REFER TO DOOR SCHEDULE FOR SIGN QUANTITIES / LOCATIONS, PLUS PROVIDE ADDITIONAL SIGNS OF THE FOLLOWING TYPES & QUANTITIES:
   - 4.1. TYPE 1: PROVIDE (6A) ADD'L
   - 4.2. TYPE 2: PROVIDE (6B) ADD'L
5. MOUNTING LOCATIONS:
   - 5.1. REFERENCE SIGN MOUNTING DIAGRAM FOR MOUNTING DIMENSIONS & LOCATION.
   - 5.2. EXIT SIGNS: SET OF TWO DOORS ARE TO HAVE SIGNS MOUNTED TO THE RIGHT SIDE OF THE FRAME OR ON ADJACENT WALL IF INSUFFICIENT SPACE IS AVAILABLE.
   - 5.3. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE OF A SINGLE DOOR, OR TO THE RIGHT SIDE OF DOUBLE DOORS, SIGNS SHALL BE LOCATED ON THE NEAREST ADJACENT WALL.



ADA SIGN MOUNTING

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

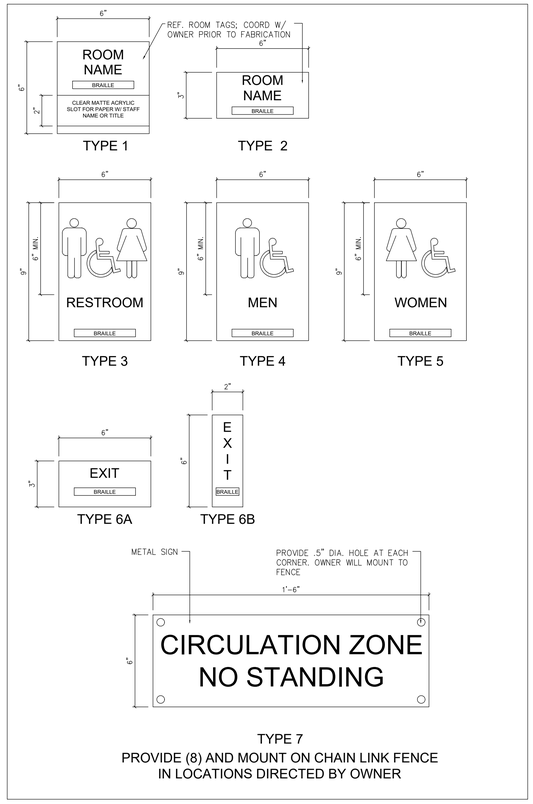
GLAZING TYPES

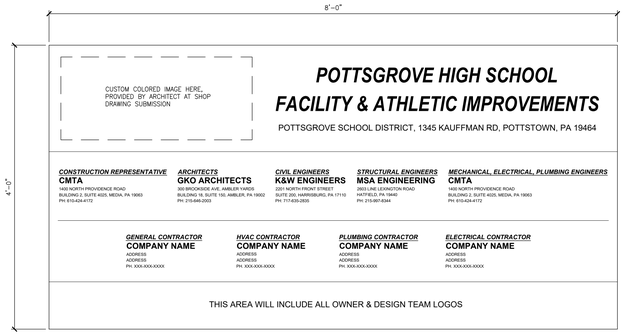
EXTERIOR:

- I-1 = INSULATED GLASS
- SP-1 = SPANDREL GLASS

INTERIOR:

- G-1 = CLEAR, FULLY TEMPERED
- •• TYPICAL AT INTERIOR GLAZING CONDITIONS, UNLESS NOTED OTHERWISE

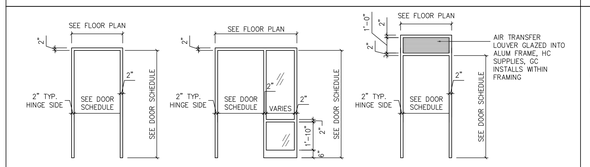




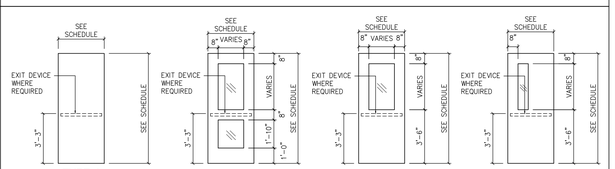
NOTE:
CONTRACTOR TO FURNISH AND INSTALL (2) FULL COLOR CONSTRUCTION SIGN, MOUNTED ON PLYWOOD WITH 4X4 POST. COORDINATE EXACT LOCATION OF SIGNS IN THE FIELD WITH ARCHITECT/CONSTRUCTION MANAGER.

EXACT SIGN DESIGN WILL BE ISSUED UPON SHOP DRAWING REVIEW WITH ALL COMPANIES NAMES & INFORMATION UPDATED.

FRAME TYPES



DOOR TYPES



GODSHALL KANE O'ROURKE ARCHITECTS, LLC
300 Brookside Avenue
Ambler Yards - Building 18 - Suite 150
Ambler, PA 19002
T: 215.646.2003
www.gkoarchitects.com

CONSULTANTS

POTTSGROVE HIGH SCHOOL
FACILITY AND ATHLETIC IMPROVEMENTS
1345 KAUFFMAN RD, POTTSTOWN, PA 19464

REVISIONS	
BID SET	10/21/2026
DRAWN BY	
REVIEWED BY	
JOB #	2665

SHEET TITLE

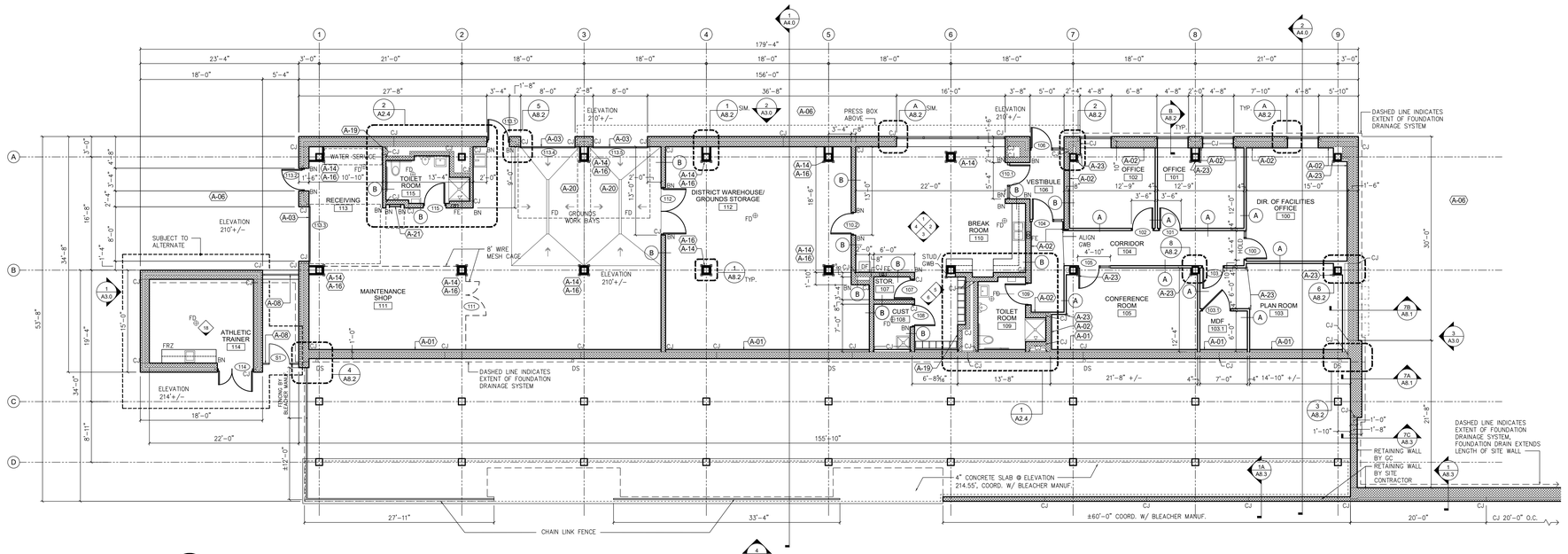
SCHEDULES & DETAILS

SHEET #

A0.3

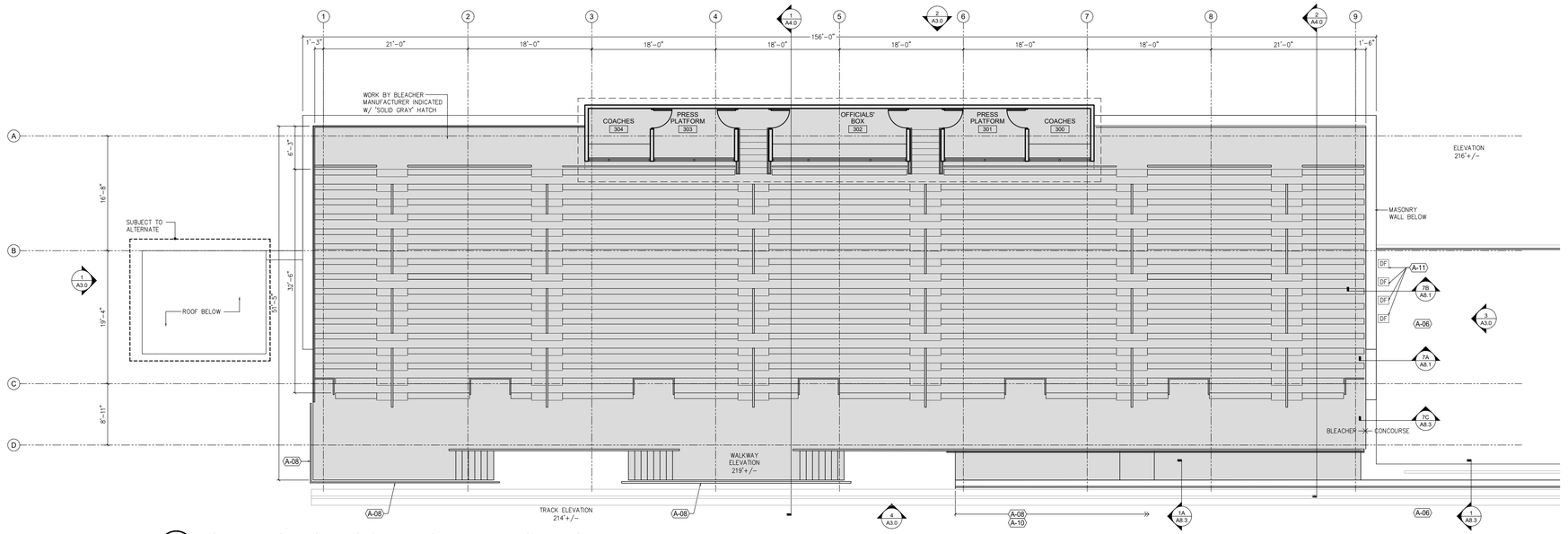
SCALE	AS NOTED
DATE	10-21-2026

DRAWING SIZE: 30 X 42



1 A2.1 FACILIY BUILDING / UNDER HOME BLEACHERS

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



2 A2.1 HOME BLEACHERS - N.I.C. (BY BLEACHER MANUFACTURER)

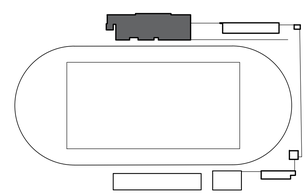
SCALE: 1/8" = 1'-0"

A###	ARCH. FLOOR PLAN - KEYNOTES
A-01	5/8" GWB OVER 2½" RIGID INSULATION & 2½" METAL 'Z' FURRING. EXTEND TO UNDERSIDE OF ROOF / CEILING ASSEMBLY. REFER TO DETAIL 1 ON SHEET A8.1.
A-02	5/8" GWB OVER 7/8" METAL FURRING. EXTEND TO UNDERSIDE OF ROOF CEILING ASSEMBLY OR TO 6" ABOVE FINISHED CEILING.
A-03	INSULATED OVERHEAD SECTIONAL DOORS. REFER TO DOOR SCHEDULE FOR SIZE.
A-04	INSULATED OVERHEAD COILING DOORS. REFER TO DOOR SCHEDULE FOR SIZE.
A-05	STAINLESS STEEL (SS) COUNTERTOP / BACK SPLASH & SHELVING. REFER TO INTERIOR ELEVATIONS FOR FULL EXTENT.
A-06	REFER TO CIVIL DRAWINGS FOR FINISH GRADE / MATERIAL IN THIS LOCATION.
A-07	8' HIGH DECOR. FENCE & GATE SYSTEM, REFER TO ELEVATIONS.
A-08	VINYL COATED CHAIN LINK FENCE, BLACK. REFER TO DWGS FOR HEIGHTS.
A-09	NOT USED
A-10	DECOR. CMU WALL. REFER TO DETAILS.
A-11	FIXTURE BY PC, REFER TO PLUMBING DRAWINGS.
A-12	BOLLARDS. REFER TO CIVIL DRAWINGS
A-13	DOWNSPOUT INTO 6' HIGH POWDER COATED CAST IRON BOOT
A-14	STAINLESS STEEL CORNER GUARDS (8' HIGH)
A-15	DERCO. CMU TO EXTENT AS NOTED IN PLAN. DECRO. FACE TO CONCOURSE SIDE (C1 & C2) - BACK SIDE OF CMU WILL BE PAINTED.
A-16	FRP PANEL WRAPPED AT COLUMNS, (8' HIGH) ALL SIDES.
A-17	I.T. CABINET BY EC.
A-18	NOT USED.
A-19	S.S. ACCESS PANEL 14"X24" HIGH.
A-20	SLOPE CONCRETE SLAB TO FLOOR DRAIN.
A-21	PULL OUT SHIPS LADDER TO ROOF HATCH. REFERENCE DETAIL 14, SHEET A8.3.
A-22	PROVIDE METAL THRESHOLD FULL LENGTH OF OPENING. COORDINATE WITH COILING DOOR. SEE SPEC AND DOOR SCHEDULE.
A-23	CLEAR CORNER GUARDS (8' HIGH)

FLOOR PLAN - GENERAL NOTES:

1. ALL DIMENSIONS ARE TO FACE OF BLOCK OR METAL STUD, UNLESS NOTED OTHERWISE (UNO).
2. BULL-NOSE CMU CORNER BLOCK INDICATED WITH 'BN' DESIGNATION ON PLANS OR ENLARGED PLANS.
3. WORK BY BLEACHER MANUFACTURER INDICATED W/ 'SOLID GRAY' HATCH.
4. FOR ALL ALUMINUM FRAMES WHERE MASONRY EXTENDS INSIDE ROOM BEYOND FRAMING, PROVIDE SOLID SURFACE SILL AND APRON.

KEY PLAN N.T.S.



PLAN SYMBOLS

ROOM NAME / ### — ROOM NAME, ROOM NUMBER

/ A##.# — DETAIL NUMBER, SHEET NUMBER

/ A#.# — SECTION DETAIL NUMBER, SHEET NUMBER, DIRECTIONAL VIEW

/ A#.# — INTERIOR ELEV. TAG (MULTIPLE VIEW)

— INTERIOR ELEV. TAG (SINGLE VIEW)

— DOOR NUMBER (REFER TO DOOR SCHEDULE)

X — STRUCTURAL LINE

NEW CONSTRUCTION (REFER TO WALL TYPES)

NEW MASONRY WALL (REFER TO WALL TYPES)

NEW DOOR (REFER TO DOOR SCHEDULE)

GODSHALL KANE O'ROURKE ARCHITECTS, LLC
300 Brookside Avenue
Amber Yards - Building 18 - Suite 150
Ambler, PA 19002
T: 215.646.2003
www.gkoarchitects.com

GKO ARCHITECTS

POTTSGROVE HIGH SCHOOL FACILITY AND ATHLETIC IMPROVEMENTS

1345 KAUFFMAN RD, POTTSTOWN, PA 19464

REVISIONS	
BID SET	10/21/2026
DRAWN BY	
REVIEWED BY	
JOB #	2665

SHEET TITLE

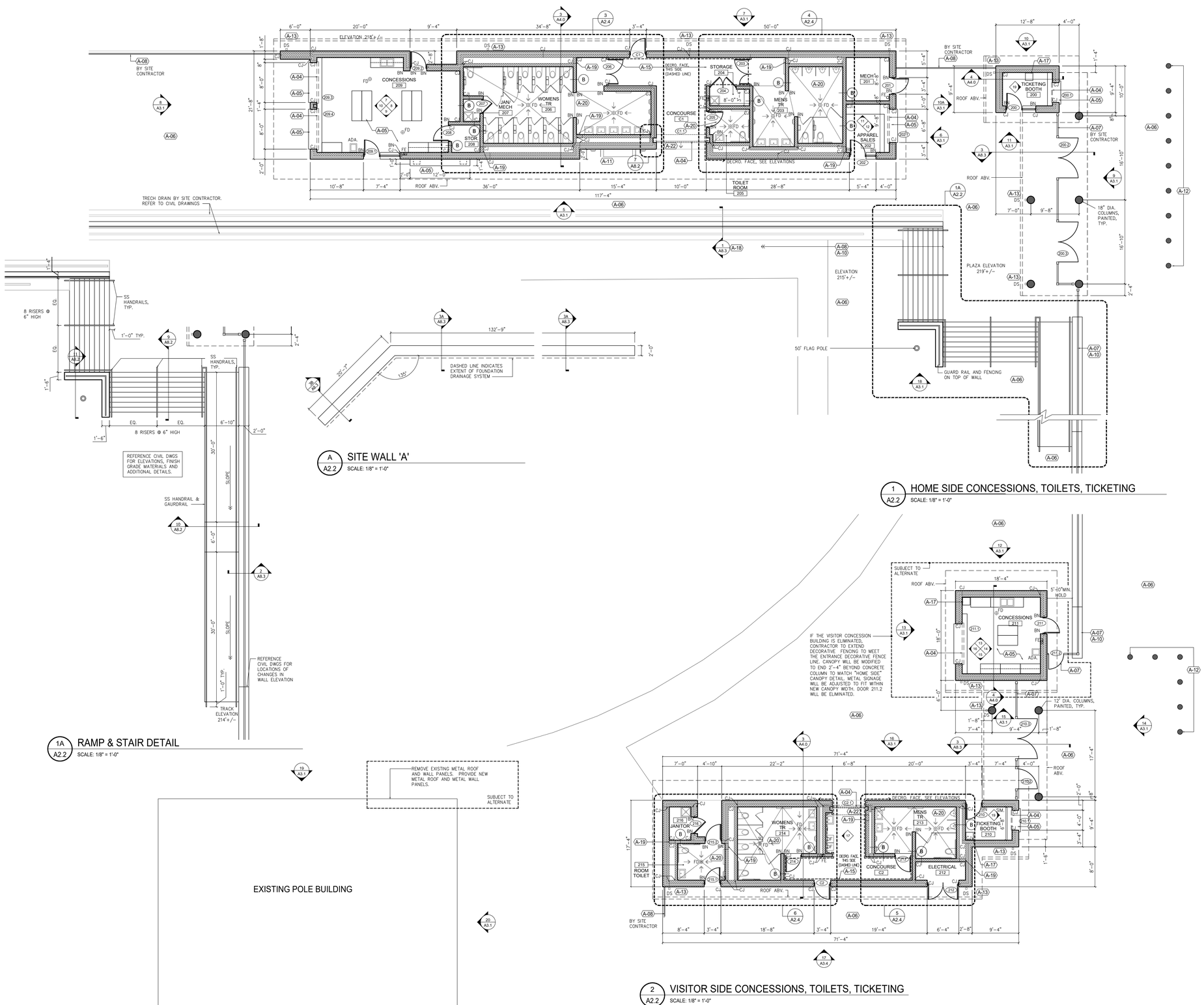
UNDER HOME BLEACHER & HOME BLEACHER PLAN

SHEET #

A2.1

SCALE	AS NOTED
DATE	10-21-2026

DRAWING SIZE: 30 X 42



A A2.2 SITE WALL 'A'
SCALE: 1/8" = 1'-0"

1A A2.2 RAMP & STAIR DETAIL
SCALE: 1/8" = 1'-0"

1 A2.2 HOME SIDE CONCESSIONS, TOILETS, TICKETING
SCALE: 1/8" = 1'-0"

2A A2.2 EXISTING POLE BARN
SCALE: 1/8" = 1'-0"

2 A2.2 VISITOR SIDE CONCESSIONS, TOILETS, TICKETING
SCALE: 1/8" = 1'-0"

A##	ARCH. FLOOR PLAN - KEYNOTES
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A-06	REFER TO CIVIL DRAWINGS FOR FINISH GRADE / MATERIAL IN THIS LOCATION.
A-07	8' HIGH DECOR. FENCE & GATE SYSTEM, REFER TO ELEVATIONS.
A-08	VINYL COATED CHAIN LINK FENCE, BLACK. REFER TO DWGS FOR HEIGHTS.
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A-10	DECOR. CMU WALL. REFER TO DETAILS.
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FLOOR PLAN - GENERAL NOTES:

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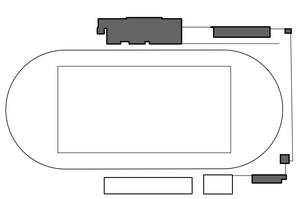
2. BULL-NOSE CMU CORNER BLOCK INDICATED WITH 'BN' DESIGNATION ON PLANS OR ENLARGED PLANS.
3. WORK BY BLEACHER MANUFACTURER INDICATED W/ 'SOLID GRAY' HATCH.
4. FOR ALL ALUMINUM FRAMES WHERE MASONRY EXTENDS INSIDE ROOM BEYOND FRAMING, PROVIDE SOLID SURFACE SILL AND APRON.

KEY PLAN N.T.S.



PLAN SYMBOLS

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INTERIOR ELEV. TAG (MULTIPLE VIEW)
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REVISIONS	
BID SET	10/21/2026
DRAWN BY	
REVIEWED BY	
JOB #	2665

SHEET TITLE

CONCESSION, TOILETS, & TICKETING PLANS

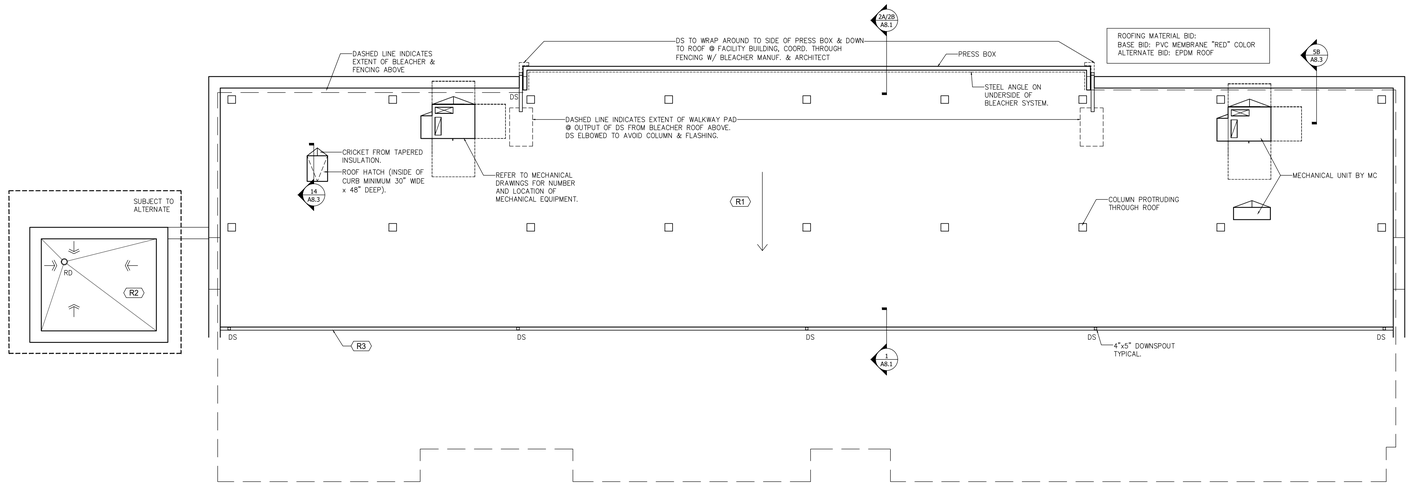
SHEET #

A2.2

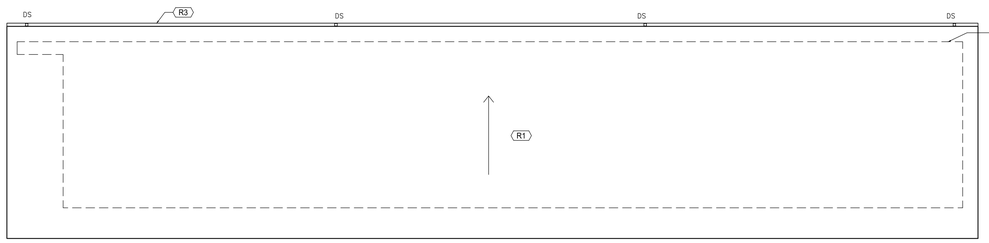
SCALE	AS NOTED
DATE	10-21-2026

DRAWING SIZE: 30 X 42

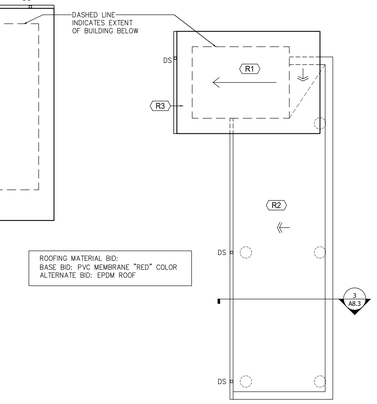
R#	ROOF PLAN NOTES:
R1	ROOF MEMBRANE TYP. (ROOF SLOPE 2:12 UNLESS OTHERWISE NOTED)
R2	ROOF MEMBRANE ON TAPERED INSULATION. TAPERED INSULATION SLOPE ¼:12.
R3	GUTTER AND DOWNSPOUT. DOWNSPOUT LOCATIONS NOTED WITH "DS".
	GENERAL NOTES:
1	ROOF DRAINS NOTED "RD"
2	REVIEW ALTERNATE SPECIFICATION SECTION 01 23 00 FOR ROOFING TYPE (BASE BID/ ALTERNATE) – BASE BID: RED PVC MEMBRANE ROOFING ALTERNATE BID: EPDM ROOFING

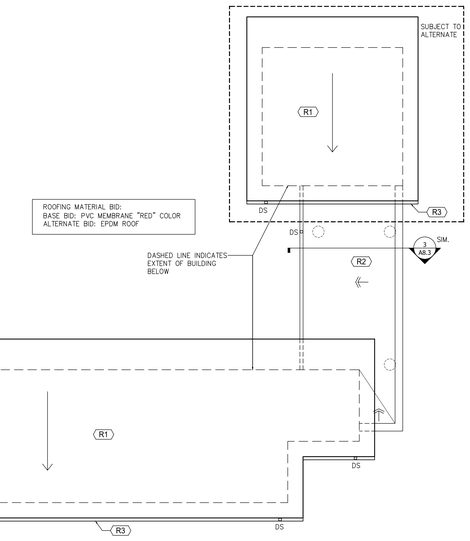


1 A2.3 UNDER BLEACHER ROOF PLAN
SCALE: 1/8" = 1'-0"

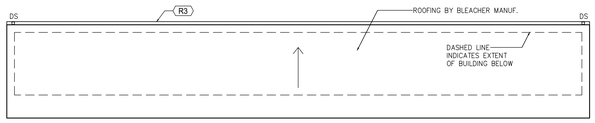


2 A2.3 HOME SIDE ROOF PLAN
SCALE: 1/8" = 1'-0"





3 A2.3 AWAY SIDE ROOF PLAN
SCALE: 1/8" = 1'-0"



4 A2.3 PRESS BOX ROOF PLAN
SCALE: 1/8" = 1'-0"

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300 Brookside Avenue
Ambler Yards - Building 18 - Suite 150
Ambler, PA 19002
T: 215.646.2003
www.gkoarchitects.com

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POTTSGROVE HIGH SCHOOL FACILITY AND ATHLETIC IMPROVEMENTS

1345 KAUFFMAN RD, POTTSTOWN, PA 19464

REVISIONS	
BID SET	10/21/2026
DRAWN BY	
REVIEWED BY	
JOB #	2665

SHEET TITLE

ROOF PLANS

SHEET #

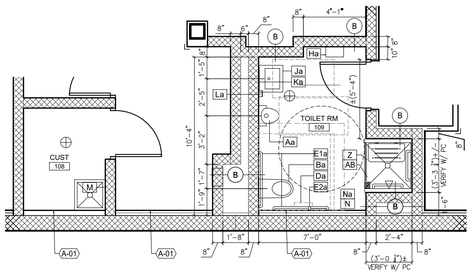
A2.3

SCALE	AS NOTED
DATE	10-21-2026

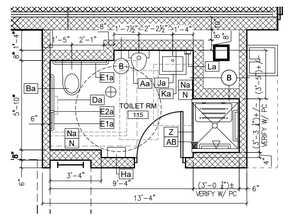
DRAWING SIZE: 30 X 42

ICC A117.1 - 2017 PLUMBING ELEMENTS AND FACILITIES

		ADULT USE - ABOVE FINISHED FLOOR		
	DESCRIPTION	STANDARD DIMENSION (NON-ADA)	PRIORITY ADA MOUNTING HT. * (SUFFIX 'a')	ACCEPTED ADA DIM. RANGE *
A	URINAL (HT. TO RIM - WALL HUNG) **	22"	16.5"	17" MAX.
B	WATER CLOSET (TOP OF SEAT - WALL MTD.)	16"	18"	17" - 19"
C	FLUSH CONTROLS LOCATE ON OPEN SIDE AND COMPLY W/ RANGES FOR OPERABLE PARTS PER SECTION 309	-	-	-
D	TOILET PAPER DISPENSER (OUTLET HT. - WALL / PARTITION MTD.)	20"	24"	18"-48"
E1	GRAB BAR (HORIZONTAL)	-	35"	33"-36"
E2	GRAB BAR (VERTICAL - HT. TO BOTTOM)	-	40.5"	39"-41"
E3	GRAB BARS (SHOWER)	-	35"	33"-36"
F	FEMININE PRODUCT DISPENSER (HT. TO COIN SLOT)	48"	44"	15"-48"
F1	FEMININE PRODUCT DISPOSAL	30"	27.5"	15"-48"
G	HAND DRYER (SURFACE MTD. - HEIGHT TO OPERATING MECHANISM)	42"	42"	34"-48"
H	PAPER TOWEL DISPENSER (HT.TO DISPENSER OR OPERATOR - SURFACE / RECESS MTD.)	54"-60"	44"	34"-48"
H1	PAPER TOWEL DISP. + WASTE RECEPT. (HT. TO DISPENSER OR OPERATOR - RECESS / PROJECTED)	54"-60"	44"	34"-48"
J	LAVATORY (HT. TO TOP OF RIM OR COUNTER - WHICHEVER HIGHER) **	33.5"	33.5"	34" MAX.
K	MIRROR (BOTTOM OF REFLECTIVE SURFACE) SEE NOTE ****	39.5"	39.5"	40" MAX.
L	SOAP DISPENSER (HT. TO OPERATING MECHANISM - WALL MTD.)	42"	42"	34"-48"
M	MOP HOLDER (HT. TO TOP - WALL MTD.)	72"	-	-
N	COAT HOOKS SHALL BE WITHIN REACH RANGES OF SECTION 308	48"	44"	34"-48"
O	WASTE RECEPTACLE (HT.TO TOP OF INLET)	40"	44"	34"-48"
P	TOILET PARTITIONS (REFER TO DWGS. / SPECS)	-	-	-
U	UTILITY SHELF W/ MOP HOLDERS (HT. TO TOP OF SHELF)	72"	44"	40"-48"
V#	LOCKER BENCH (HT. TO TOP OF BENCH SEAT)	18"	18"	17"-19"
W	DRINKING FOUNTAINS (SPOUT OUTLET HT.) **	38"-43"	33"	36" MAX.
W1	DRINKING FOUNTAINS (HT. TO OPERABLE PARTS)	-	44"	34"-48"
W2	BOTTLE FILLING STATIONS	-	44"	34"-48"
Y	BABY CHANGING TABLES (HT. TO HANDLE)	-	-	34"-48"
Y1	BABY CHANGING TABLES (OPEN POSITION - HT. TO TABLE)	-	±30"	28"-34"
Z	SHOWER CURTAIN ROD	-	82"	-
AB	SHOWER CURTAIN AND HOOKS	-	-	-
BB	SHOWER SEAT (FOLD UP - HEIGHT TO TOP OF SEAT)	-	18"	-
*	THE ADA ANSI ICC A117.1-2009 ACCEPTED MOUNTING RANGE IS BEING GIVEN IN THE TABLE FOR REFERENCE ONLY. CONTRACTORS SHALL INSTALL ADA FIXTURES AND/OR ELEMENTS IN ACCORDANCE WITH THE SINGLE DIMENSION GIVEN IN THE PRIORITY ADA MOUNTING HEIGHT COLUMN.			
**	TOE CLEARANCE OF 9" AND KNEE CLEARANCE OF 9"-27" IS REQUIRED ABOVE THE FLOOR TO COMPLY WITH SECTION 306			
***	TOE CLEARANCE IS NOT REQUIRED AT THE FRONT PARTITION IN A COMPARTMENT GREATER THAN 65" IN DEPTH. TOE CLEARANCE A THE SIDE PARTITION IS NOT REQUIRED IN A COMPARTMENT GREATER THAN 66" IN WIDTH.			
****	MIRROR (FIXTURE 'K') TO BE WALL-MOUNTED CENTERED ABOVE EVERY LAVATORY (FIXTURE LABELED 'J' OR 'Ja' ON PLANS) UNLESS NOTED OTHERWISE. TYP. SIZE 18"x30" UNLESS NOTED OTHERWISE.			
#	GENERAL NOTES:			
1	COORDINATE ALL DATA W/ 2017 ICC A117.1 WITH SUPPLEMENT 1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES.			
2	THIS TABLE TO BE USED FOR MOUNTING HEIGHTS RELATED TO PLUMBING FIXTURES & ACCESSORIES. NOT ALL ITEMS LISTED ON CHART ARE USED IN THIS PROJECT.			
3	ALL FIXTURES SHOULD BE INSTALLED PER MANUFACTURERS REQUIREMENTS.			
4	ADA LOCKER BENCH NOTED V1 & NON-ADA LOCKER BENCH NOTED V2. ADA LOCKER BENCHES TO MEET ADA / ANSI REQUIREMENTS.			



1 A2.4 ENLARGED FLOOR PLAN - 108 & 109
SCALE: 1/4" = 1'-0"



2 A2.4 ENLARGED FLOOR PLAN - 115
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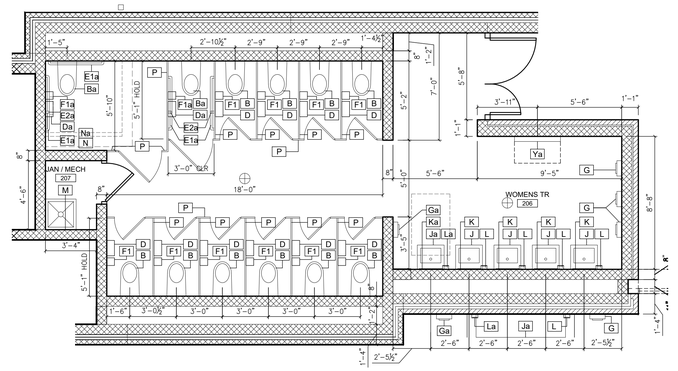

3 A2.4 ENLARGED FLOOR PLAN - 206 & 207
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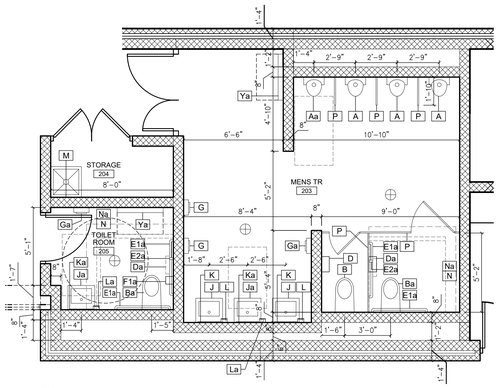

4 A2.4 ENLARGED FLOOR PLAN - 203, 204, & 205
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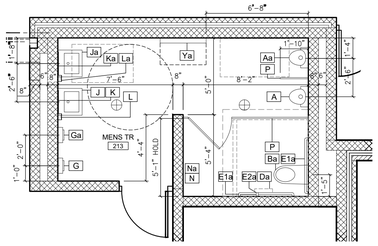

5 A2.4 ENLARGED FLOOR PLAN - 213
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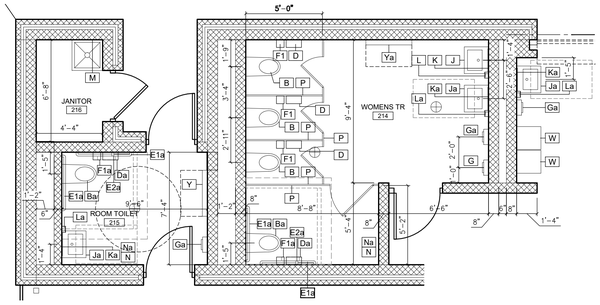
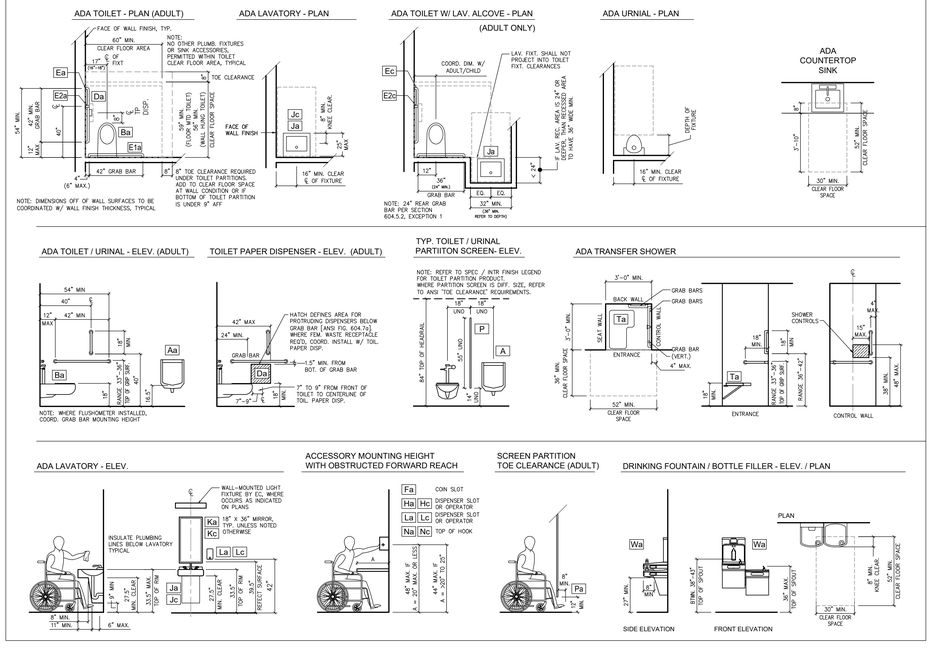


6 A2.4 ENLARGED FLOOR PLAN - 214, 215, & 216
SCALE: 1/4" = 1'-0"

TYPICAL LAYOUTS FOR PLUMBING ELEMENTS & TOILET ROOM ACCESSORIES

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



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SHEET TITLE

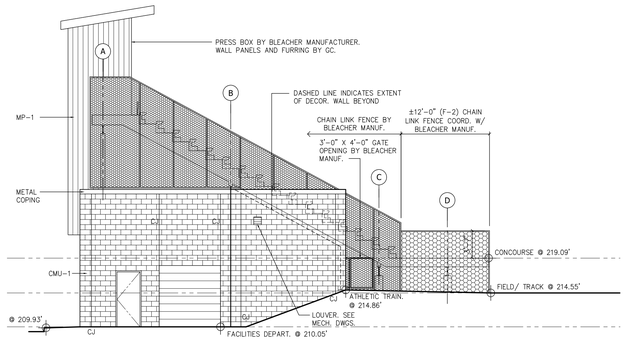
DETAIL PLANS

SHEET #

A2.4

SCALE	AS NOTED
DATE	10-21-2026

MAC SIZE: 30 X 42



1 A3.0 STADIUM WEST ELEVATION

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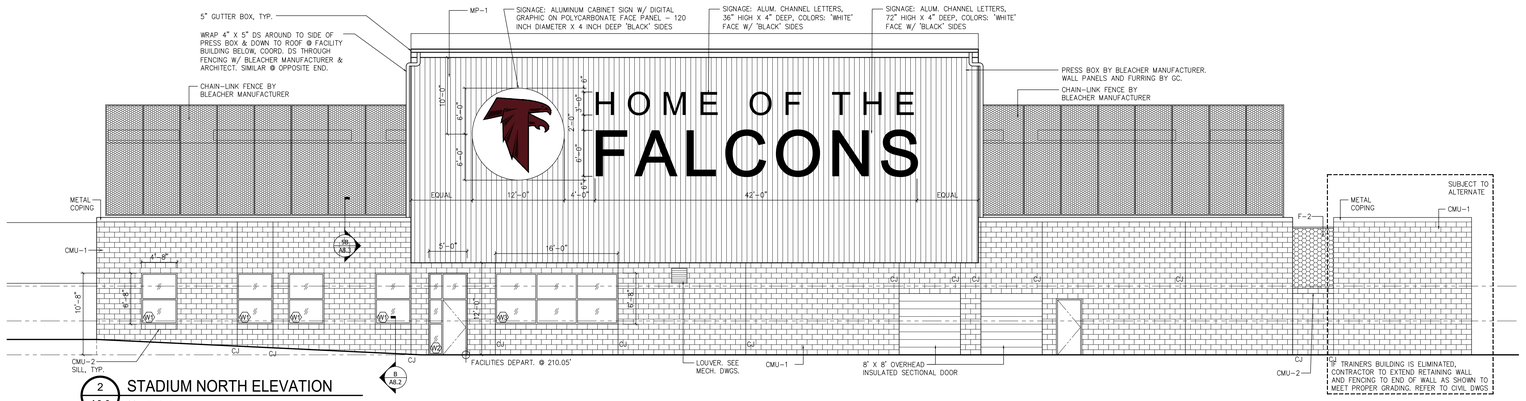

2 A3.0 STADIUM NORTH ELEVATION

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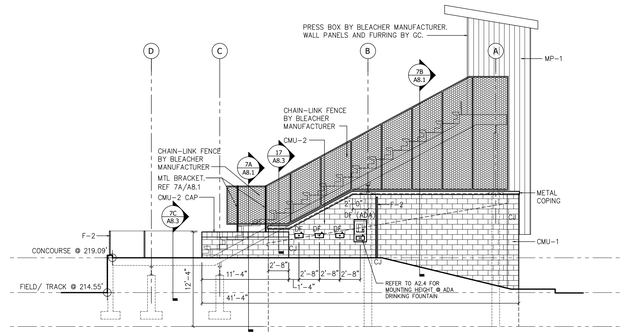

3 A3.0 STADIUM EAST ELEVATION

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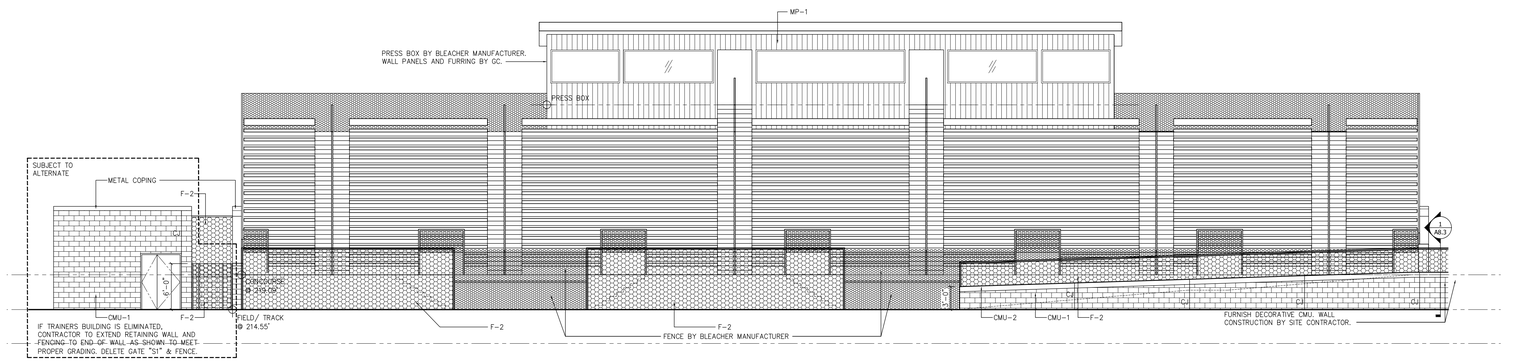
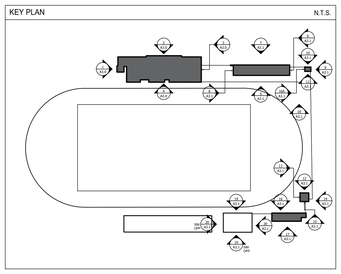


4 A3.0 STADIUM SOUTH ELEVATION

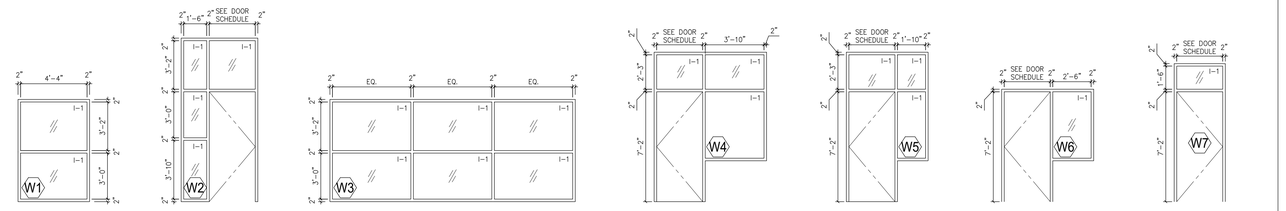
SCALE: 1/8" = 1'-0"

KEY PLAN N.T.S.



WINDOW TYPES

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



	EXTERIOR FINISH SCHEDULE		
ABBREV.	EXTERIOR MATERIAL	STYLE / COLOR	DESCRIPTION
BRICK-1	BRICK MASONRY	CONTINENTAL BRICK COMPANY - SMC 424 MOD - RUN #08V16 (DIENER BRICK CO.)	
CMU-1	CONCRETE MASONRY UNIT (CMU)	YORK BLDG. PRODUCTS - RUSTIC FACE - COLOR: PUTTY	DECORATIVE CMU (8" X 16")
CMU-2	CONCRETE MASONRY UNIT (CMU) CAP	SIMILAR TO CMU-1 W/ CHAMFERED TOP EDGE	SIMILAR TO MANUF. REFER TO DETAILS FOR PROFILES
MP-1	METAL PANELS	ATAS - VERSA-SEAM	
MP-2	METAL ROOFING/SIDING	ATAS - BELVEDERE GRAND R PANEL	AT THE POLE BARN BUILDING
-	METAL GUTTERS & DOWNSPOUTS		
P-1E	EXTR. PAINT		
SS-1	STAINLESS STEEL COUNTERTOP	MARINE GRADE	REF. DETAIL 5/A8.1
F-1	ALUMINUM DECORATIVE FENCING	ALUM. (BLACK COLOR)	
F-2	CHAIN LINK FENCING	VINYL COATED (BLACK COLOR)	

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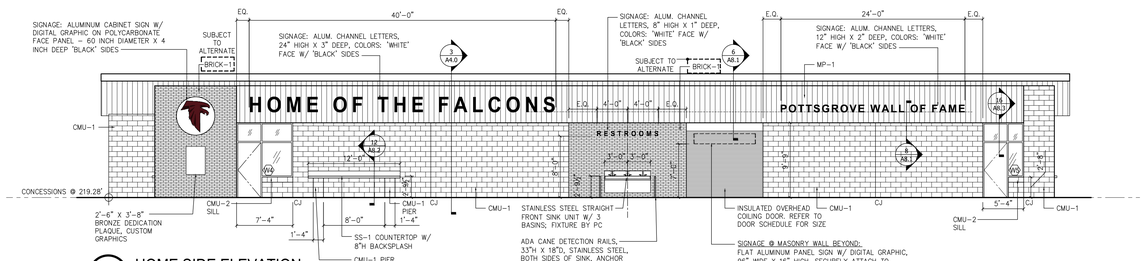
EXTERIOR ELEVATIONS

SHEET #

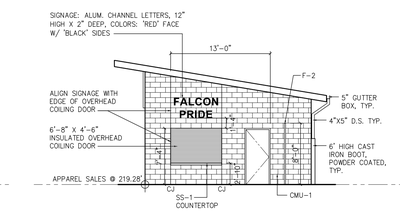
A3.0

SCALE	AS NOTED
DATE	10-21-2026

DRAWING SIZE: 30 X 42



5 A3.1 HOME SIDE ELEVATION
SCALE: 1/8" = 1'-0"



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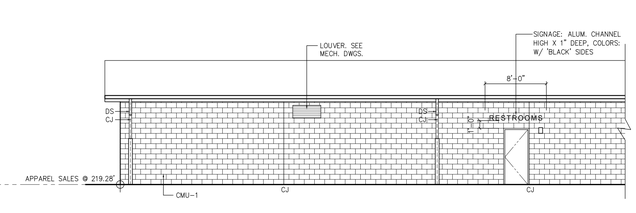
SCALE: 1/8" = 1'-0"



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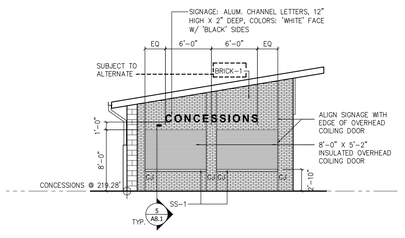
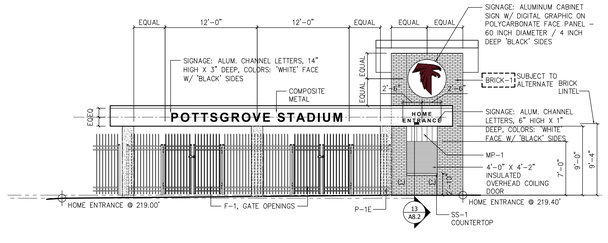
SCALE: 1/8" = 1'-0"



8 A3.1 HOME SIDE ELEVATION
SCALE: 1/8" = 1'-0"



9 A3.1 HOME SIDE ENTRANCE ELEVATION
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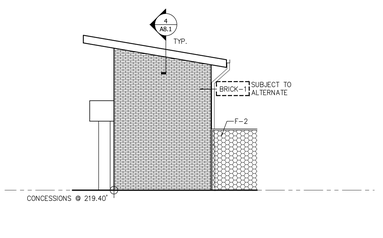

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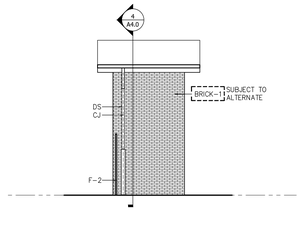

10A A3.1 HOME SIDE ENTRANCE ELEVATION
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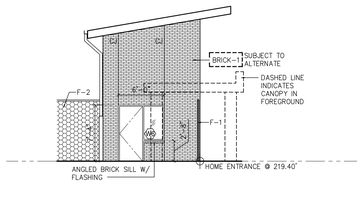

11 A3.1 HOME SIDE ENTRANCE ELEVATION
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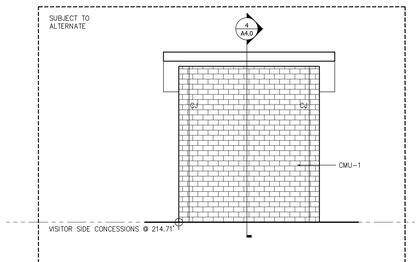
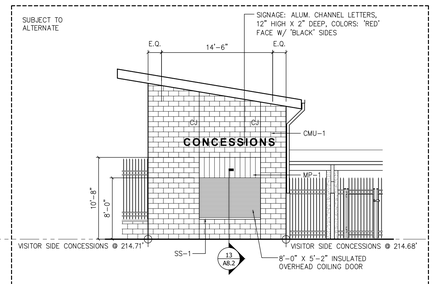
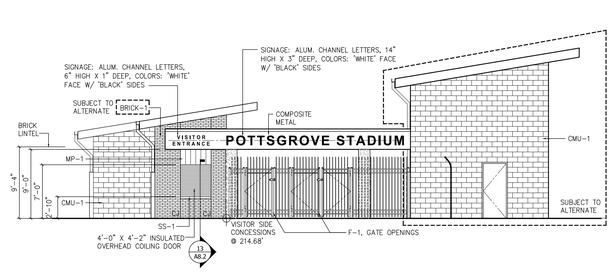


12 A3.1 VISITOR SIDE CONCESSIONS ELEVATION
SCALE: 1/8" = 1'-0"



13 A3.1 VISITOR SIDE CONCESSIONS ELEVATION
SCALE: 1/8" = 1'-0"



14 A3.1 VISITOR SIDE ENTRANCE ELEVATION
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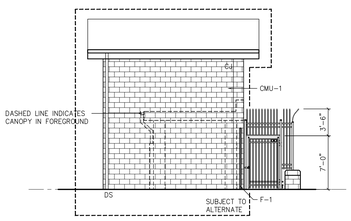

15 A3.1 VISITOR SIDE ENTRANCE ELEVATION
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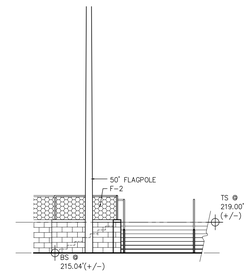

18 A3.1 HOME SIDE ENTRANCE STAIR
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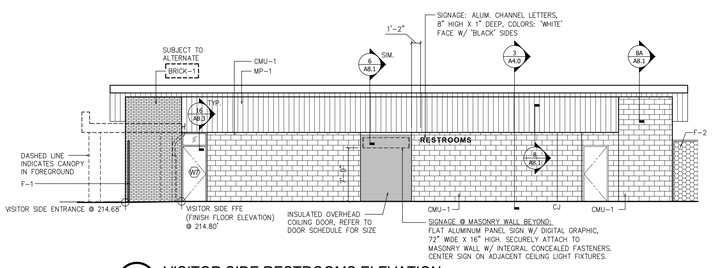
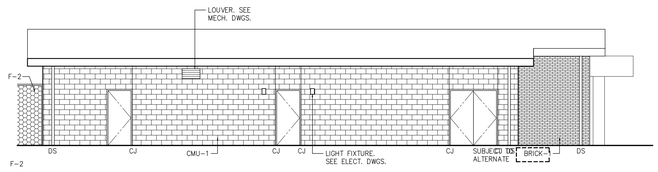
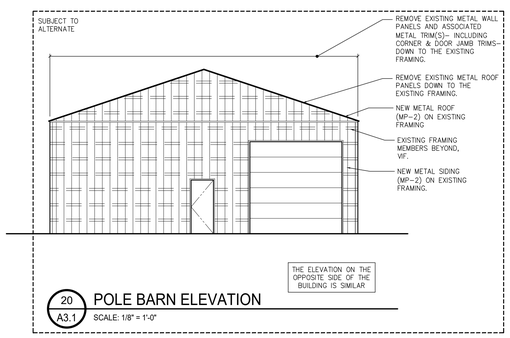


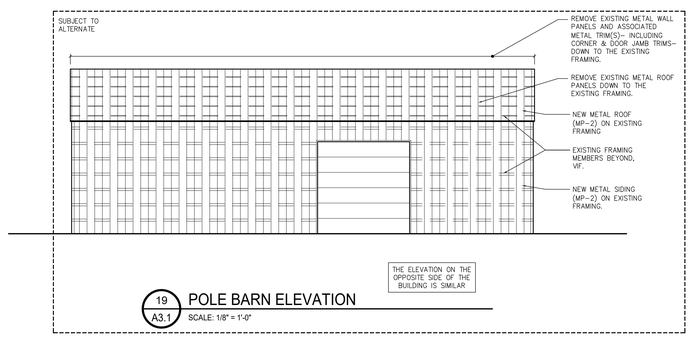
16 A3.1 VISITOR SIDE RESTROOMS ELEVATION
SCALE: 1/8" = 1'-0"



17 A3.1 VISITOR SIDE RESTROOMS ELEVATION
SCALE: 1/8" = 1'-0"



20 A3.1 POLE BARN ELEVATION
SCALE: 1/8" = 1'-0"



19 A3.1 POLE BARN ELEVATION
SCALE: 1/8" = 1'-0"

EXTERIOR FINISH SCHEDULE

ABBREV.	EXTERIOR MATERIAL	STYLE / COLOR	DESCRIPTION
BRICK-1	BRICK MASONRY	CONTINENTAL BRICK COMPANY - SMC 424 MOD - RUN #08V16 (DIENER BRICK CO.)	
CMU-1	CONCRETE MASONRY UNIT (CMU)	YORK BLDG. PRODUCTS - RUSTIC FACE - COLOR: PUTTY	DECORATIVE CMU (8" X 16")
CMU-2	CONCRETE MASONRY UNIT (CMU) CAP	SIMILAR TO CMU-1 W/ CHAMFERED TOP EDGE	SIMILAR TO MANUF. REFER TO DETAILS FOR PROFILES
MP-1	METAL PANELS	ATAS - VERSA-SEAM	
MP-2	METAL ROOFING/SIDING	ATAS - BELVEDERE GRAND R PANEL	AT THE POLE BARN BUILDING
-	METAL GUTTERS & DOWNSPOUTS		
P-1E	EXTR. PAINT		
SS-1	STAINLESS STEEL COUNTERTOP	MARINE GRADE	REF. DETAIL 5/A8.1
F-1	ALUMINUM DECORATIVE FENCING	ALUM. (BLACK COLOR)	
F-2	CHAIN LINK FENCING	VINYL COATED (BLACK COLOR)	

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300 Brookside Avenue
Ambler Yards - Building 18 - Suite 150
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CONSULTANTS

POTTSGROVE HIGH SCHOOL FACILITY AND ATHLETIC IMPROVEMENTS

1345 KAUFFMAN RD, POTTSTOWN, PA 19464

REVISIONS	
BID SET	10/21/2026
DRAWN BY	
REVIEWED BY	
JOB #	2665

SHEET TITLE

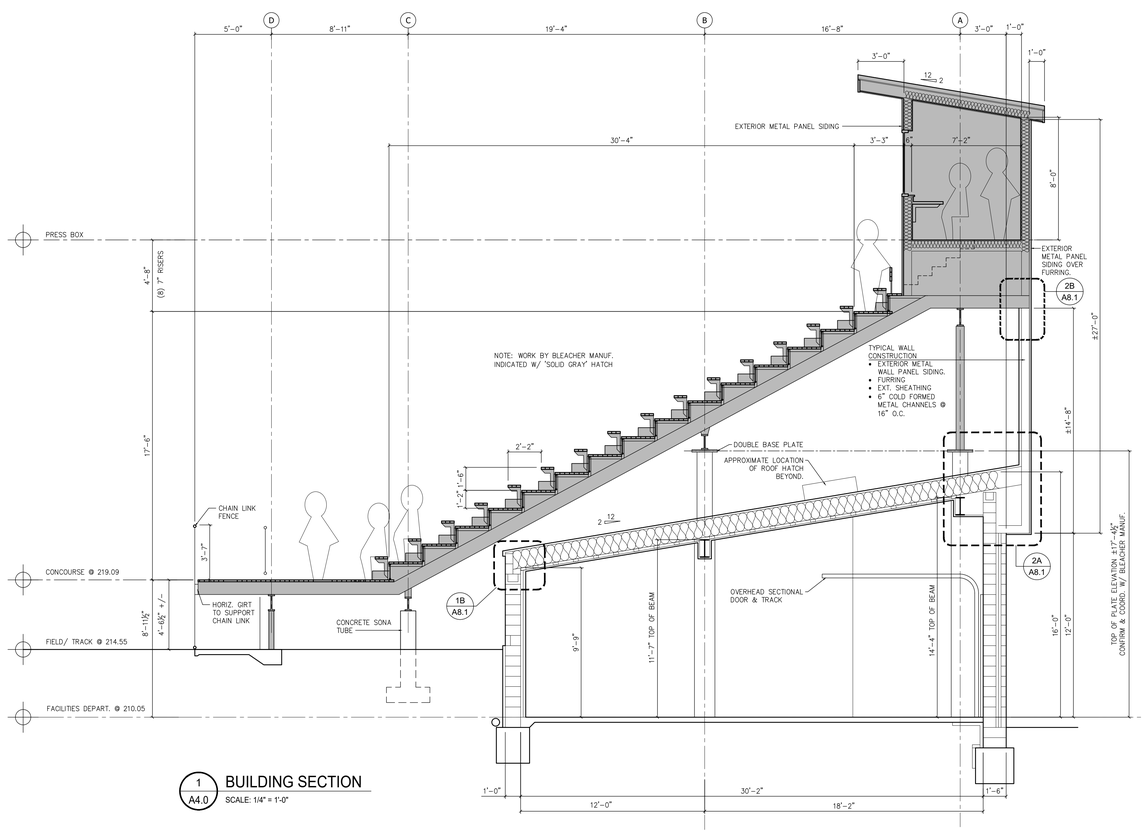
EXTERIOR ELEVATIONS

SHEET #

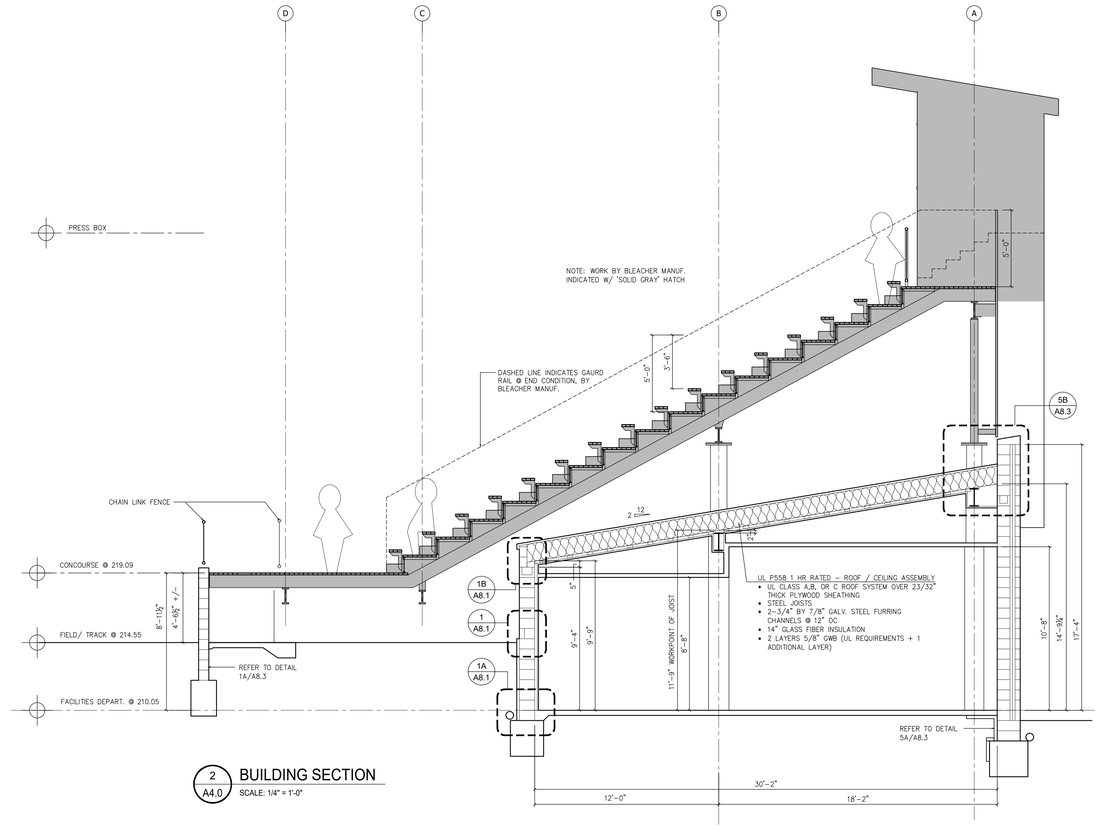
A3.1

SCALE	AS NOTED
DATE	10-21-2026

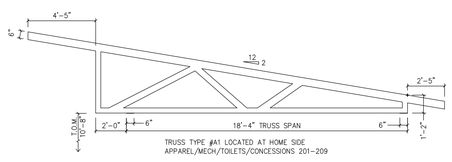
DRAWING SIZE: 30 X 42



1 A4.0 **BUILDING SECTION**
SCALE: 1/4" = 1'-0"

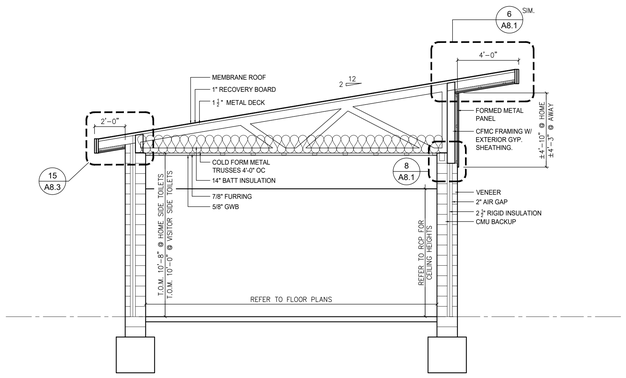


2 A4.0 **BUILDING SECTION**
SCALE: 1/4" = 1'-0"

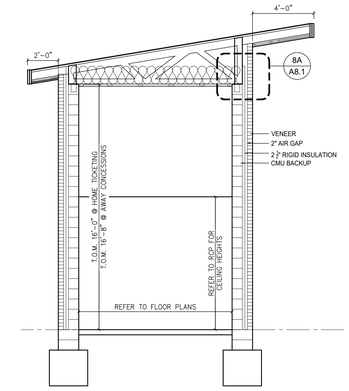


TRUSS TYPE #A1 LOCATED AT HOME SIDE APPAREL/MECH/TOILETS/CONCESSIONS 201-209

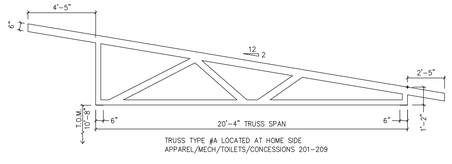
A1 A4.0 **TRUSS TYPE #A1**
SCALE: 1/4" = 1'-0"



3 A4.0 **BUILDING SECTION**
SCALE: 1/4" = 1'-0"

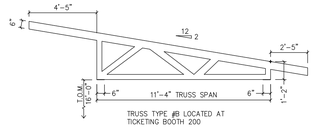


4 A4.0 **BUILDING SECTION**
SCALE: 1/4" = 1'-0"



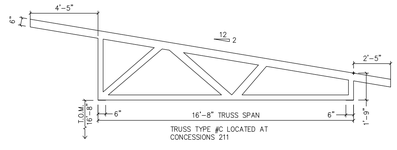
TRUSS TYPE #A LOCATED AT HOME SIDE APPAREL/MECH/TOILETS/CONCESSIONS 201-209

A A4.0 **TRUSS TYPE #A**
SCALE: 1/4" = 1'-0"



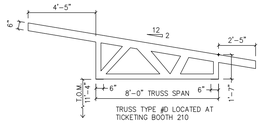
TRUSS TYPE #B LOCATED AT TICKETING BOOTH 200

B A4.0 **TRUSS TYPE #B**
SCALE: 1/4" = 1'-0"



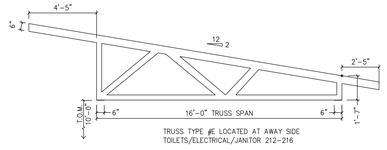
TRUSS TYPE #C LOCATED AT CONCESSIONS 211

C A4.0 **TRUSS TYPE #C**
SCALE: 1/4" = 1'-0"



TRUSS TYPE #D LOCATED AT TICKETING BOOTH 210

D A4.0 **TRUSS TYPE #D**
SCALE: 1/4" = 1'-0"



TRUSS TYPE #E LOCATED AT AWAY SIDE TOILETS/ELECTRICAL/JANITOR 212-216

E A4.0 **TRUSS TYPE #E**
SCALE: 1/4" = 1'-0"

DRAWING SIZE: 30 X 42

STAMP

CONSULTANTS

GODSHALL KANE O'ROURKE ARCHITECTS, LLC
300 Brookside Avenue
Ambler Yards - Building 18 - Suite 150
Ambler, PA 19002
T: 215.646.2003
www.gkoarchitects.com

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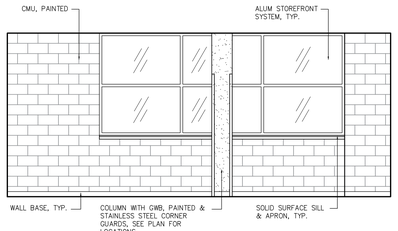
SHEET TITLE

BUILDING SECTIONS

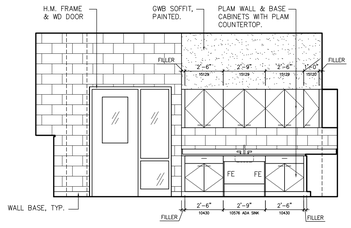
SHEET #

A4.0

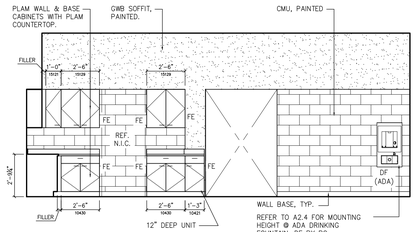
SCALE	AS NOTED
DATE	10-21-2026



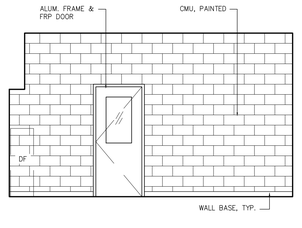
1 A5.1 **BREAK ROOM 110**
SCALE: 1/4" = 1'-0"



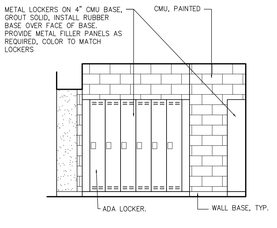
2 A5.1 **BREAK ROOM 110**
SCALE: 1/4" = 1'-0"



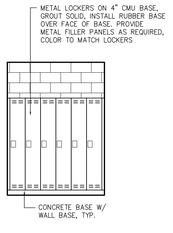
3 A5.1 **BREAK ROOM 110**
SCALE: 1/4" = 1'-0"



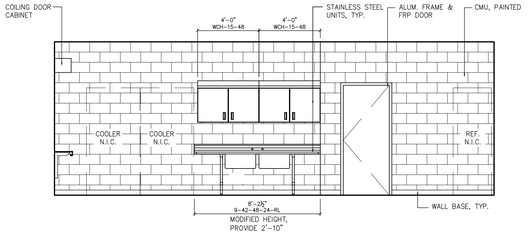
4 A5.1 **BREAK ROOM 110**
SCALE: 1/4" = 1'-0"



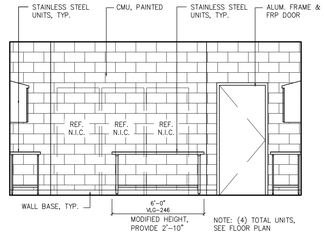
5 A5.1 **ELEV. @ LOCKERS**
SCALE: 1/4" = 1'-0"



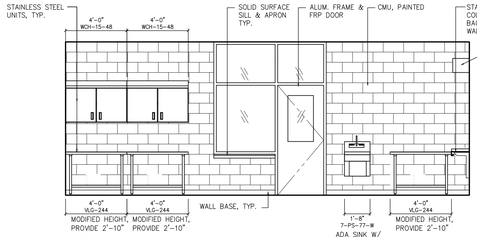
6 A5.1 **ELEV. @ LOCKERS**
SCALE: 1/4" = 1'-0"



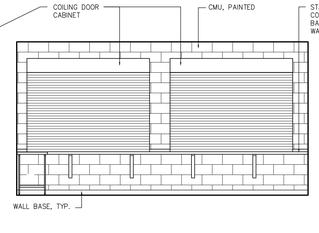
7 A5.1 **HOME CONCESSIONS 209**
SCALE: 1/4" = 1'-0"



8 A5.1 **HOME CONCESSIONS 209**
SCALE: 1/4" = 1'-0"

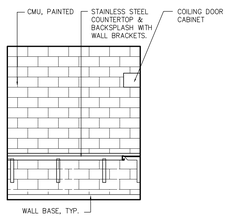


9 A5.1 **HOME CONCESSIONS 209**
SCALE: 1/4" = 1'-0"

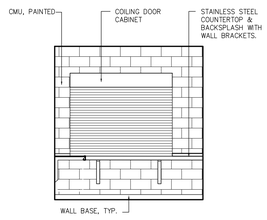


10 A5.1 **HOME CONCESSIONS 209**
SCALE: 1/4" = 1'-0"

MODEL NUMBERS DEPICTED ON INTERIOR ELEVATIONS 7 THRU 16 ARE BASED ON PRODUCTS MANUFACTURED BY ADVANCE TABCO, UNLESS NOTED OTHERWISE.

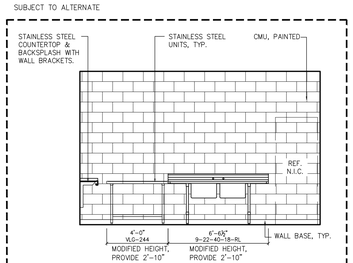


11 A5.1 **APPAREL SALES 202**
SCALE: 1/4" = 1'-0"



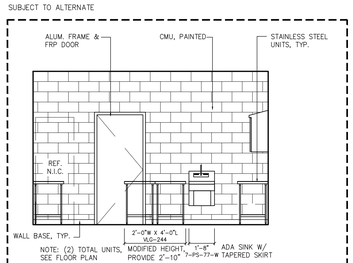
12 A5.1 **APPAREL SALES 202**
SCALE: 1/4" = 1'-0"

SUBJECT TO ALTERNATE



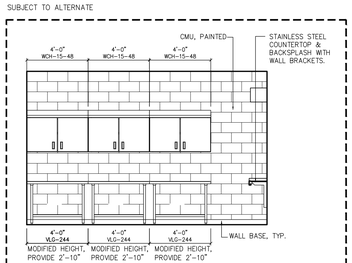
13 A5.1 **CONCESSIONS 211**
SCALE: 1/4" = 1'-0"

SUBJECT TO ALTERNATE



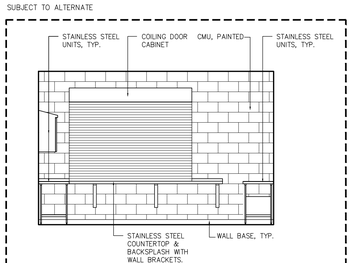
14 A5.1 **CONCESSIONS 211**
SCALE: 1/4" = 1'-0"

SUBJECT TO ALTERNATE

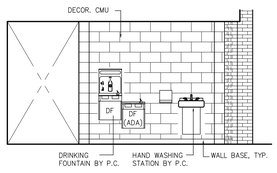


15 A5.1 **CONCESSIONS 211**
SCALE: 1/4" = 1'-0"

SUBJECT TO ALTERNATE

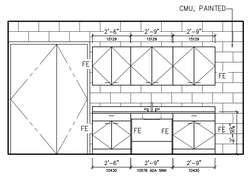


16 A5.1 **CONCESSIONS 211**
SCALE: 1/4" = 1'-0"

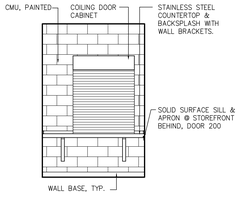


17 A5.1 **CONCOURSE C2**
SCALE: 1/4" = 1'-0"

SUBJECT TO ALTERNATE



18 A5.1 **ATHLETIC TRAINER 114**
SCALE: 1/4" = 1'-0"



19 A5.1 **TICKETING BOOTH 200 / 210**
SCALE: 1/4" = 1'-0"

DRAWING SIZE: 30 X 42

GODSHALL KANE O'ROURKE ARCHITECTS, LLC
300 Brookside Avenue
Ambler Yards - Building 18 - Suite 150
Ambler, PA 19002
T: 215.646.2003
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INTERIOR ELEVATIONS

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A5.1

SCALE	AS NOTED
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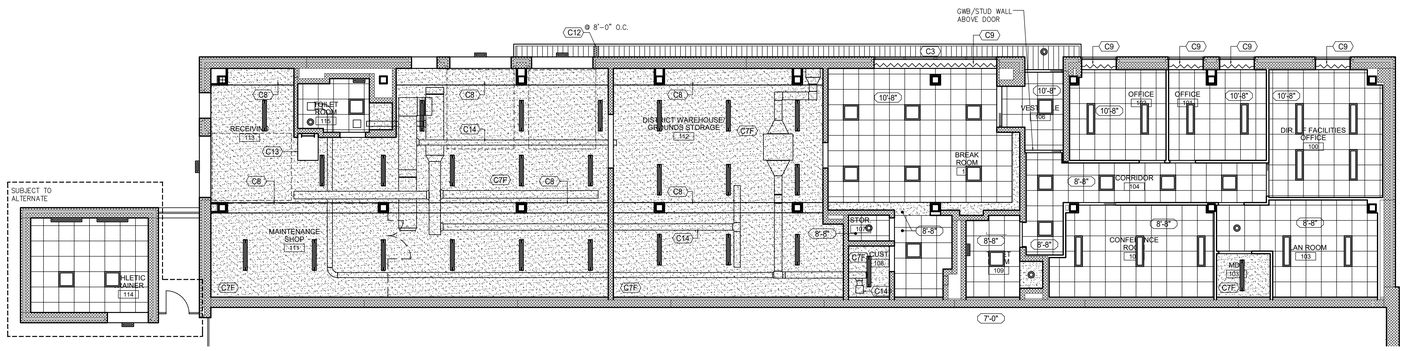
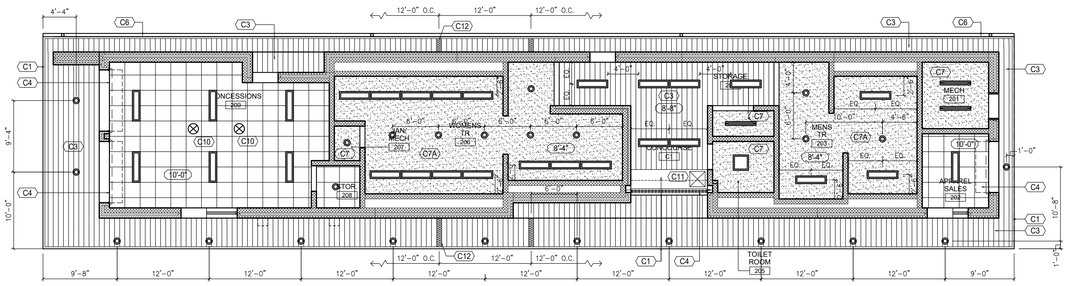


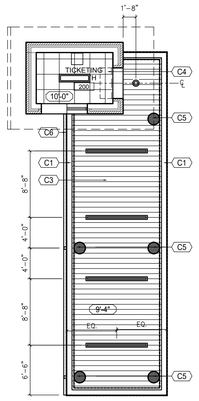
1 A6.0 UNDER BLEACHER RCP

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



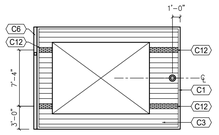
2 A6.0 HOME SIDE RCP

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



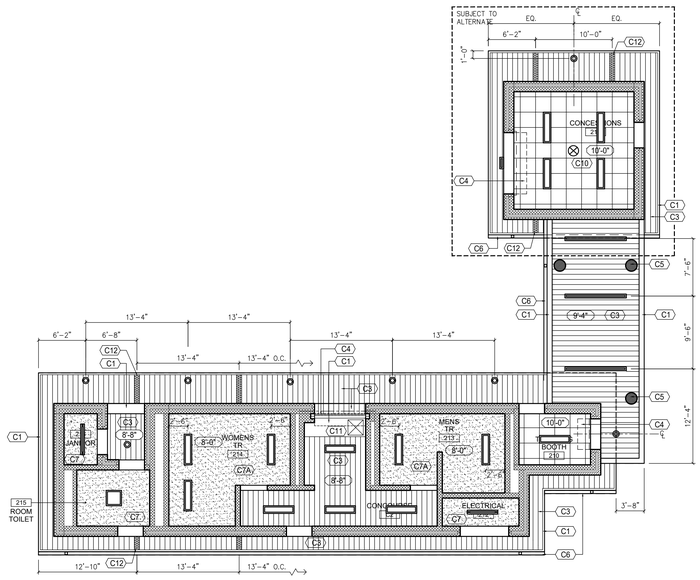
2A A6.0 HOME SIDE TICKET BOOTH RCP

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



2A A6.0 HOME SIDE TICKET RCP -HIGH ROOF

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



3 A6.0 VISITOR SIDE RCP

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

C##	REFL. CEILING PLAN - KEYNOTES
C1	COMPOSITE METAL PANEL
C2	PAINT EXPOSED METAL DECK
C3	FORMED METAL PANEL CEILING / SOFFITS WITH SUSPENDED CARRIER SYSTEM
C4	INSULATED OVERHEAD COILING DOOR. REFERENCE RCP AND DETAILS FOR ADDITIONAL INFORMATION.
C5	CONCRETE COLUMNS, PAINTED
C6	GUTTER
C7	PAINTED GWB ON UNDERSIDE OF TRUSS
C7A	SUSPENDED GWB CEILING, PAINTED
C7F	SLOPED PAINTED GWB ON UNDERSIDE OF TRUSS - FIRE RATED. FIRE RATED GWB SYSTEM OCCURS ABOVE ADJACENT ACT CEILINGS FOR THE FACILITIES DEPARTMENT .
C8	FIRE RATED GWB ENCLOSURE AROUND STEEL BEAM ABOVE. FIRE RATED GWB SYSTEM OCCURS ABOVE ADJACENT ATC CEILINGS FOR THE FACILITIES DEPARTMENT AT "A" & "B" COLUMNS AND BTW COLUMN LINES 1 THROUGH 9.
C9	ROLLER SHADE WITHIN OPENING, MOUNT TO HEAD OF OPENING. COORDINATE SHADE WIDTH WITH MULLION LOCATIONS.
C10	CORD REELS BY EC. COORDINATE LOCATION WITH ARCHITECT.
C11	ACCESS PANEL WITHIN METAL CEILING, COORDINATE EXACT LOCATION WITH COILING DOOR MANUFACTURER. ACCESS PANEL TO MATCH ADJACENT COLOR OF METAL CEILING.
C12	FORMED METAL SOFFIT PANEL, VENTED.
C13	ROOF HATCH & SHIP'S LADDER, COORD. W/ MEP
C14	DUCTWORK BY HC

RCP GRAPHIC LEGEND

- ACOUSTICAL PANEL CEILING
- PAINTED GWB (GYPSUM WALL BOARD) CEILING/ SOFFIT
- OPEN TO STRUCTURE ABOVE
- LIGHT FIXTURE (SIZE & SHAPE VARIES), NOT IN GC CONTRACT
- METAL PANEL SOFFIT

RCP - GENERAL NOTES

1. ACOUSTICAL CEILING TILE GRID - FULL TILE STARTING POINT INDICATED BY ◆ WHERE NO STARTING POINT IS INDICATED OR DIMENSIONS ARE PROVIDED, GRID TO BE CENTERED WITHIN ROOM. REFER TO INTERIOR FINISH LEGEND & ROOM FINISH SCHEDULE FOR ADDITIONAL INFO.
2. ALL LIGHT FIXTURE DIMENSIONS SHOWN ARE TO CENTERLINE OF FIXTURE , UNO (UNLESS NOTED OTHERWISE).
3. ALIGN FACE OF GWB SOFFIT WITH FACE OF FINISH WALL OR COLUMN ENCLOSURE, UNO
4. ALL DOWNLIGHTS ARE CENTERED IN GWB CEILING / SOFFITS, UNO.
5. WHERE EXISTING CEILING TO REMAIN, PLACE NEW LIGHT FIXTURES IN EXISTING FIXTURE LOCATIONS, UNO. PATCH EXISTING GWB / PLASTER CEILING AS REQUIRED. PAINT SURROUND TO MATCH ADJACENT FINISH.
6. ALL EXPOSED EXISTING OR NEW DUCTWORK, PIPING AND CONDUITS SHALL BE PAINTED BY THE GC TO MATCH THE ADJACENT SURFACE COLOR, UNO
7. PAINT ALL EXPOSED LINTELS TO MATCH THE ADJACENT SURFACE COLOR, UNO
8. CONTRACTOR TO VERIFY EXISTING CONDITIONS PRIOR TO INSTALLING NEW CEILING SYSTEMS - VERIFY HEIGHTS SPECIFIED ON RCP DWGS WILL NOT INTERFERE WITH EXISTING CONDITIONS AND NEW WORK.
9. UNLESS NOTED OTHERWISE, CEILINGS TO BE INSTALLED AT 8'-8".
10. COORDINATE WITH EC ON LIGHTING FIXTURE LOCATIONS WITH OVERHEAD DOOR/TRACK.

STAMP

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SHEET TITLE

REFLECTED CEILING PLANS

SHEET #

A6.0

SCALE	AS NOTED
DATE	10-21-2026

DRAWING SIZE: 30 X 42

INTERIOR FINISH - ROOM SCHEDULE

ROOM #:	ROOM NAME	FLOOR	BASE	WALLS				CEILING		REMARKS
		FINISH		N	E	S	W	MATL.	FINISH	
FACILITY BUILDING UNDER HOME BLEACHERS										
100	DIR. OF FACILITIES OFFICE	RT-1	RB-4	P-1, P-2				APC-1	-	
101	OFFICE	RT-1	RB-4	P-1, P-2				APC-1	-	
102	OFFICE	RT-1	RB-4	P-1, P-2				APC-1	-	
103	PLAN ROOM	RT-1	RB-4	P-1				APC-1	-	
103.1	MDF	RT-1	RB-4	P-1				GWB	P-C	
104	CORRIDOR	RT-1	RB-4	P-1, P-2				APC-1	-	
105	CONFERENCE ROOM	RT-1	RB-4	P-1, P-2				APC-1	-	
106	VESTIBULE	CRP-WO	RB-4	P-1, P-2, P-3				APC-1	-	
107	STORAGE	RT-1	RB-4	P-1				APC-1	-	
108	CUSTODIAN	RT-1	RB-4	P-1				GBW	P-C	
109	TOILET ROOM	TILE-F1	TILE-F1	P-1 @ CMU WALLS / TILE @ GWB & SHOWER				APC-1	-	
110	BREAK ROOM	RT-1	RB-4	P-1, P-2, P-3				APC-1	-	
111	MAINTENANCE SHOP	SEALED CONCRETE	RB-6	P-1, P-2, FRP WALL FINISH @ GWB WALLS				GWB	P-C	
112	DISTRICT WAREHOUSE / GROUNDS STORAGE	SEALED CONCRETE	RB-6	P-1, P-2, FRP WALL FINISH @ GWB WALLS				GWB	P-C	
113	RECIEVING	SEALED CONCRETE	RB-6	P-1, P-2, FRP WALL FINISH @ GWB WALLS				GWB	P-C	
114	ATHLETIC TRAINER	RT-1	RB-4	P-1				APC-1	-	SUBJECT TO ALTERNATE
115	TOILET ROOM	TILE-F1	TILE-F1	P-1 @ CMU WALLS / TILE @ SHOWER				APC-1	-	
HOME SIDE CONCESSIONS, TOILETS, TICKETING										
200	TICKETING BOOTH	SEALED CONCRETE	RB-6	P-1				APC-2	-	
201	MECHANICAL	SEALED CONCRETE	RB-6	P-1				GWB	P-C	
202	APPAREL SALES	SEALED CONCRETE	RB-6	P-1				APC-2	-	
203	MENS TOILET ROOM	SEALED CONCRETE	RB-6	P-1, P-2, P-3				GWB	-	
204	STORAGE	SEALED CONCRETE	RB-6	P-1				GWB	P-C	
205	TOILET ROOM	SEALED CONCRETE	RB-6	P-1, P-2				GWB	P-C	
206	WOMENS TOILET ROOM	SEALED CONCRETE	RB-6	P-1, P-2, P-3				GWB	-	
207	JANITOR / MECHANICAL	SEALED CONCRETE	RB-6	P-1				GWB	P-C	
208	STORAGE	SEALED CONCRETE	RB-6	P-1				APC-2	-	
209	CONCESSIONS	RT-1	RB-6	P-1				APC-2	-	
C1	CONCOURSE	SEALED CONCRETE	RB-6	P-#				FMP	-	OPEN AIR SPACE
VISITOR SIDE CONCESSIONS, TOILETS, TICKETING										
210	TICKETING BOOTH	SEALED CONCRETE	RB-6	P-1				APC-2	-	
211	CONCESSIONS	RT-1	RB-6	P-1				APC-2	-	SUBJECT TO ALTERNATE
212	ELECTRICAL	SEALED CONCRETE	RB-6	P-1				GWB	P-C	
213	MENS TOILET ROOM	SEALED CONCRETE	RB-6	P-1, P-2, P-3				GWB	-	
214	WOMENS TOILET ROOM	SEALED CONCRETE	RB-6	P-1, P-2, P-3				GWB	-	
215	TOILET ROOM	SEALED CONCRETE	RB-6	P-1, P-2				GWB	P-C	
216	JANITOR	SEALED CONCRETE	RB-6	P-1				GWB	P-C	
C2	CONCOURSE	SEALED CONCRETE	RB-6	P-#				FMP	-	OPEN AIR SPACE

GENERAL NOTES:

1. REFER TO REFLECTED CEILING PLAN FOR ADDITIONAL CEILING FINISH INFORMATION.
2. REFER TO FLOOR PATTERN PLAN FOR ADDITIONAL FLOORING INFORMATION.
3. REFER TO WALL FINISH PLANS FOR ADDITIONAL WALL FINISH INFORMATION.

INTERIOR FINISH - LEGEND

FINISHES - FLOOR & BASE:

ABBREVIATION	MATERIAL / DESCRIPTION	MANUFACTURE / STYLE / COLOR / MISC.	REMARKS
SEALED CONCRETE	CONCRETE - SEALED		
CRP-WO	CARPET TILE - WALK-OFF	FORDOM - COMMERCIAL ENTRANCE CARPET TILE - STYLE: JUSTICE / COLOR: CHARCOAL	
RB-4	RUBBER BASE	ROPPE - PINNACLE - VULCANIZED RUBBER BASE - 4" HIGH - COLOR: 137 CINNABAR	
RB-6	RUBBER BASE	ROPPE - PINNACLE - VULCANIZED RUBBER BASE - 6" HIGH - COLOR: 137 CINNABAR	
RT-#	RESILIENT TILE	SOLID VINYL TILE: TARKETT - MELODIA - TILE: 12" X 24" COLOR PATTERN USING 3 COLORS: - RT-1: 708 DARK WARM GREY B - RT-2: 988 CLAY GREY WG - RT-3: 21020 768 TERRA COTTA	HOMOGENEOUS TILE; NO WAX OR POLISH REQUIRED.
TILE-F1	CERAMIC TILE	BASIS OF DESIGN: DALTILE KEYSTONES - 2X2 - COLOR: SUEDE GRAY SPECKLE #D208 BASE: COVE, 3 TILE HIGH, COLOR: (MATCH FLOOR TILE)	- TOP TILE OF BASE CONDITION: = BULLNOSE @ NON-TILE WALL ABOVE = FLAT EDGE @ TILE WALL ABOVE - 'OUTSIDE' CORNERS: TILE TO MATCH ADJ. TILE BASE

FINISHES - WALL

ABBREVIATION	MATERIAL / DESCRIPTION	MANUFACTURE / STYLE / COLOR / MISC.	REMARKS
FRP-1	FIBER REINFORCED PANEL	VALTO ENGINEERED MATERIALS (CRANE COMPOSITES) - STYLE: GLASBORD - COLOR: PEARL GRAY #48	CLASS 'A' PER ASTM-E84. PROVIDE COLOR MATCHING TRIMS @ EXPOSED EDGES & BETWEEN PANELS; ADHERE TO WALL SUBSTRATE PER MANUF. RECOMMENDATIONS.
P-1	PAINT (WHITE), TYP.	SW ####	TYP. AT WALLS UNLESS NOTED OTHERWISE
P-2	PAINT 'GRAY'	SW ####	
P-3	PAINT 'RED'	SW ####	
P-C	PAINT (WHITE) @ CEILINGS	SW ####	TYP. AT GWB SOFFITS UNLESS NOTED OTHERWISE
P-HM	PAINT @ HOLLOW METAL FRAMES	SW ####	TYP. AT HM FRAMES UNLESS NOTED OTHERWISE
TILE-W#	TILE @ WALL, 2 COLOR PATTERN	BASIS OF DESIGN: DALTILE COLOR WHEEL - TILE-W1: 3X6 - COLOR: DESERT GRAY MATTE #X714 - TILE-W2: 3X6 - COLOR: DESERT GRAY #X114	REFERENCE FINISH PLAN FOR LOCATIONS; PROVIDE BULLNOSE TILE @ 'OUTSIDE' CORNERS; REF WALL TILE PATTERN DETAIL FOR INSTALLATION PATTERN

FINISHES - COUNTERTOP & CASEWORK

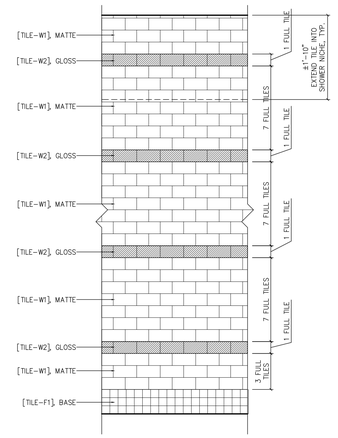
ABBREVIATION	MATERIAL / DESCRIPTION	MANUFACTURE / STYLE / COLOR / MISC.	REMARKS
PLAM-#	PLASTIC LAMINATE (HIGH PRESSURE LAMINATE)	- PLAM @ COUNTERTOPS: WILSONART CRISP LINEN #4042-38 - PLAM @ CABINETRY: WILSONART PHANTOM CHARCOAL #8214K-05 (TIMBERGRAIN)	
SSM-WS	SOLID SURFACE MATERIAL @ WINDOW SILLS	CORIAN SOLID SURFACE - COLOR: EXCAVAGE	TYPICAL WINDOW SILLS
SS-CT	STAINLESS STEEL COUNTERTOPS	(REFER TO SPECS)	

FINISHES - CEILING

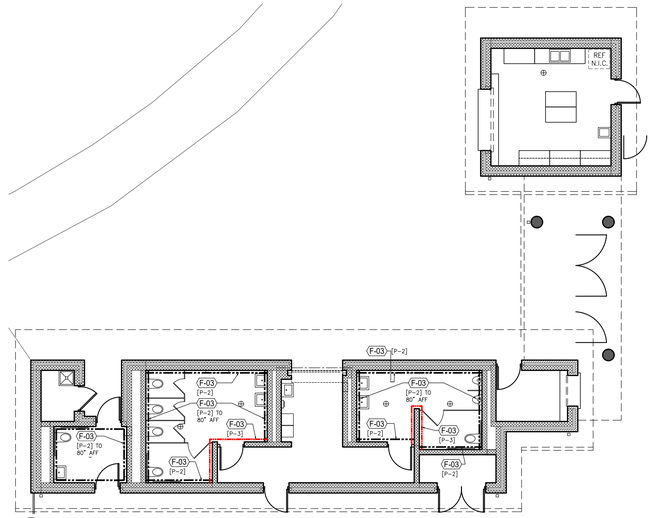
ABBREVIATION	MATERIAL / DESCRIPTION	MANUFACTURE / STYLE / COLOR / MISC.	REMARKS
APC-1	ACOUSTICAL PANEL CEILING	ARMSTRONG - ULTIMA HIGH NRC #2080 PANEL SIZE: 24" X 24" / NRC: 0.85 GRID: 15/16" / EDGE: SQUARE LAY-IN	SUSPENSION GRID: PRELUDE XL 15/16" EXPOSED TEE
APC-2	ACOUSTICAL PANEL CEILING	ARMSTRONG - CERMAGUARD FINE FISSURED - PERFORATED (EXTR. GRADE) PANEL SIZE: 24" X 24" / NRC: 0.55 GRID: 15/16" / EDGE: SQUARE LAY-IN	SUSPENSION GRID: PRELUDE XL 15/16" EXPOSED TEE FOR 'EXTERIOR APPLICATIONS'. PROVIDE 'UNIVERSAL HOLD DOWN CLIPS' AT CEILING PANELS (WIND UPLIFT).
FMP	FORMED METAL PANEL SUSPENDED CEILING	OPALINE OPF W/ SUSPENDED CARRIER SYSTEM	

MISCELLANEOUS:

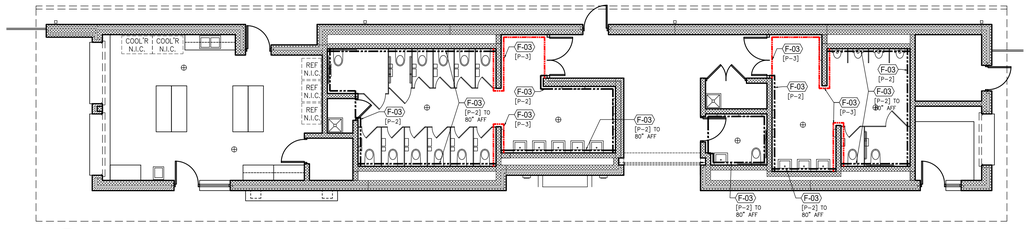
ABBREVIATION	MATERIAL / DESCRIPTION	MANUFACTURE / STYLE / COLOR / MISC.	REMARKS
-	TOILET PARTITIONS	ASI SOLID PLASTIC (HDPE) - COLOR: #9205 BLACK - FINISH: TOUGH TEXTURE (TT) - PRIVACY OPTIONS	
-	METAL LOCKERS	BASIS OF DESIGN: PENCO - COLOR: GRAY 28	
-	WOOD DOORS	SPECIES: WHITE OAK / STAIN: CLEAR	
-	(BLASTED FACE CMU)	(REFER TO EXTERIOR ELEV.)	
-	STAINLESS STEEL CORNER GUARDS	INPRO CORPORATION - SURFACE MOUNT STAINLESS STEEL CORNER GUARDS, 1.5 " WING, 16 GAUGE, 8' HEIGHT	
-	CLEAR CORNER GUARDS	INPRO CORPORATION - CLEAR CORNER GUARDS, POLYCARBONATE, 1.5" WING SIZE, 8' HEIGHT, MECHANICALLY FASTEN	



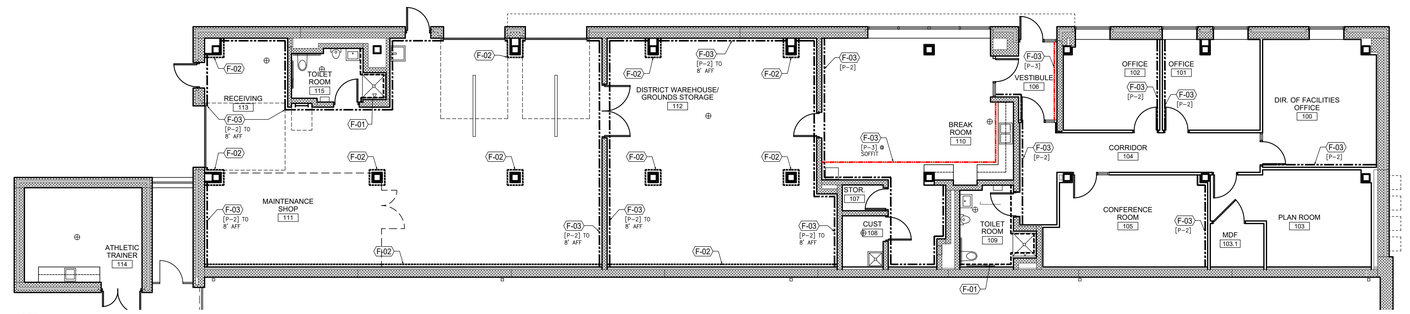
5 A7.0 WALL TILE PATTERN DETAIL
SCALE: 3/4" = 1'-0"



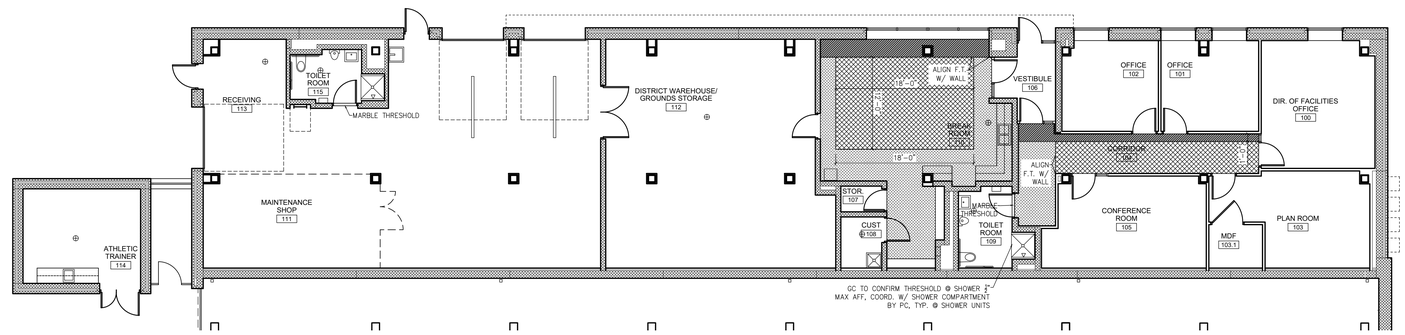
1 A7.0 VISITORS SIDE WALL FINISH PLAN
SCALE: 1/8" = 1'-0"



2 A7.9 HOME SIDE WALL FINISH PLAN
SCALE: 1/8" = 1'-0"



3 A7.0 FACILITY BUILDING WALL FINISH PLAN
SCALE: 1/8" = 1'-0"



4 A7.0 FACILITY BUILDING FLOOR FINISH PLAN
SCALE: 1/8" = 1'-0"

WALL FINISH KEY:

- LINE TYPE DESIGNATES APPLIED FRP WALL PROTECTION FINISH [FRP-1]
- LINE TYPE DESIGNATES ACCENT PAINTED WALL FINISH [P-#]
- LINE TYPE DESIGNATES CERAMIC TILE WALL FINISH [TILE-W#]

F##	WALL FINISH PLAN - KEYNOTES
F-01	BOLD DASHED LINE DEFINES EXTENT OF FINISH: FULL HEIGHT CERAMIC WALL TILE, SEE 5/A7.0 FOR CERAMIC TILE PATTERN
F-02	BOLD DASHED LINE DEFINES EXTENT OF FINISH: FRP WALL FINISH TO 8' HEIGHT
F-03	BOLD DASHED LINE DEFINES EXTENT OF FINISH: ACCENT WALL PAINT; SEE NOTE BY TAG FOR ACCENT PAINT COLOR AND ANY INFORMATION ON HEIGHT OF ACCENT, IF HEIGHT IS NOT SPECIFIED, ACCENT COLOR TO EXTEND TO FULL HEIGHT OF WALL

GENERAL NOTES:
1. REFER TO SHEET A7.0 - INTERIOR FINISH LEGEND FOR WALL FINISH [TAG] ABBREVIATIONS AND MATERIAL DESCRIPTION.
2. ALL WALL SURFACES AND GWB CEILING SURFACES IN WORK AREA TO BE PAINTED. [P-1] TYPICAL WALL PAINT, [P-C] TYPICAL CEILING PAINT. WHERE ACCENT PAINT COLORS ARE SPECIFIED TO BE PARTIAL HEIGHT, ASSUME [P-1] FOR REST OF WALL SURFACE.

FLOOR FINISH KEY:

RT-1 RT-2 RT-3

GENERAL NOTES:
1. REFER TO SHEET A7.0 - INTERIOR FINISH LEGEND FOR FLOOR FINISH [TAG] ABBREVIATIONS AND MATERIAL DESCRIPTION.
2. FLOOR PATTERN PLAN ONLY SHOWS FLOORING WHERE THERE IS A PATTERN SPECIFIED WITHIN A ROOM. REFER TO A7.0 INTERIOR FINISH - ROOM SCHEDULE FOR FLOORING OF ROOMS THAT DO NOT HAVE A FLOOR PATTERN
3. 'F.T.' REFERS TO 'FLOORING TRANSITION'.
4. WHERE SPECIFIED, PROVIDE MARBLE THRESHOLD W/ TAPERED PROFILE AT DOOR, FLASH PATCH ON BOTH SIDES OF DOOR TO MAINTAIN 1/2" MAX TRANSITION HEIGHT TO MEET ANSI REQUIREMENTS.

GODSHALL KANE O'ROURKE ARCHITECTS, LLC
300 Brookside Avenue
Amber Yards - Building 18 - Suite 150
Ambler, PA 19002
T: 215.646.2003
www.gkoarchitects.com

GKO ARCHITECTS

CONSULTANTS

POTTSGROVE HIGH SCHOOL FACILITY AND ATHLETIC IMPROVEMENTS

1345 KAUFFMAN RD, POTTSTOWN, PA 19464

REVISIONS	
BID SET	10/21/2026
DRAWN BY	
REVIEWED BY	
JOB #	2665

SHEET TITLE

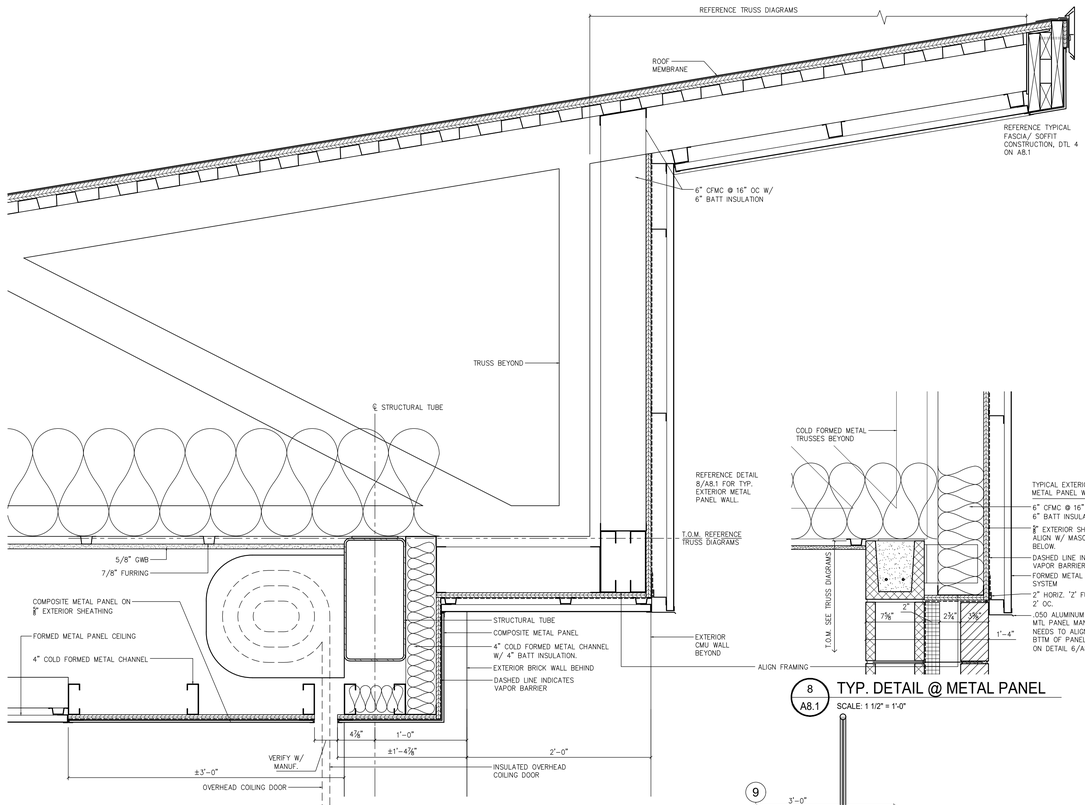
FINISH PLANS, SCHEDULES & DETAILS

SHEET #

A7.0

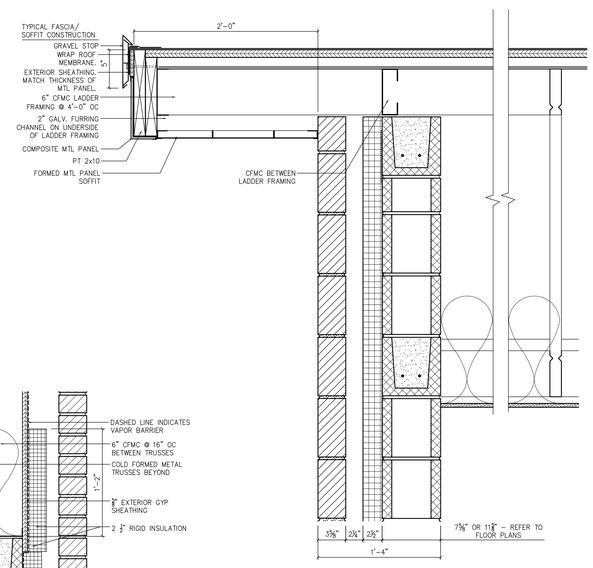
SCALE	AS NOTED
DATE	10-21-2026

DRAWING SIZE: 30 X 42

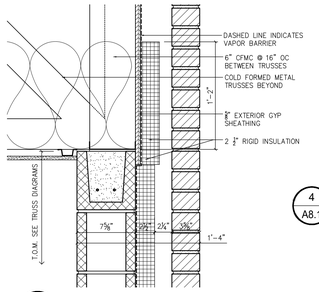


6 A8.1 SECTION @ OVERHEAD COILING DOOR
SCALE: 1 1/2" = 1'-0"

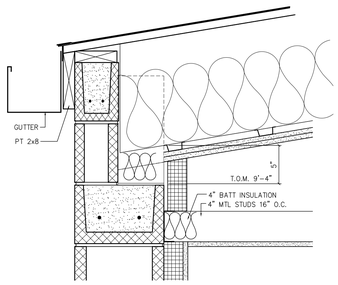
8 A8.1 TYP. DETAIL @ METAL PANEL
SCALE: 1 1/2" = 1'-0"



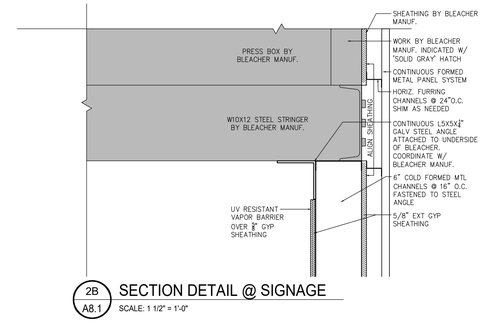
4 A8.1 TYP. GABLE END
SCALE: 1 1/2" = 1'-0"
FOR WEST SIDE OF HOME CONCESSION BUILDING, LADDER FRAMING SHALL BE 8" DEEP AS SHOWN ON THE STRUCTURAL DRAWINGS. OMIT FURRING ABOVE SOFFIT.



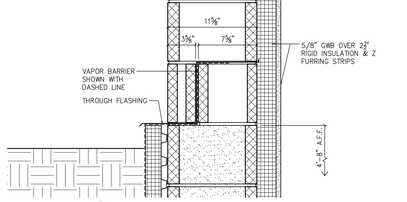
8A A8.1 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



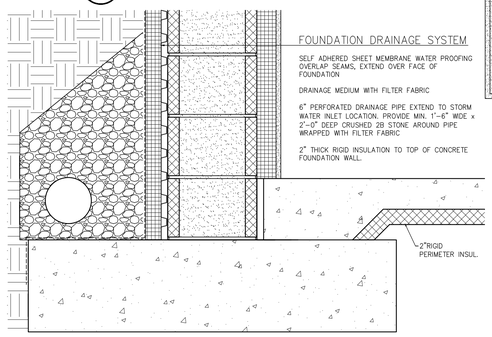
1B A8.1 SECTION DETAIL @ FACILITY BUILDING
SCALE: 1 1/2" = 1'-0"



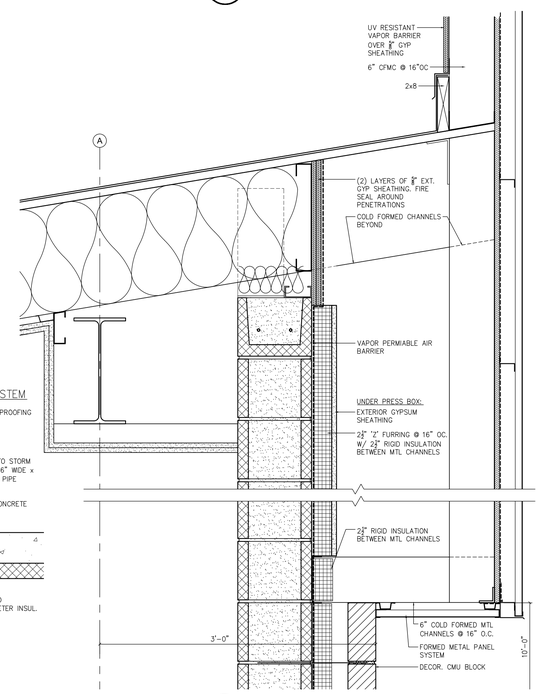
2B A8.1 SECTION DETAIL @ SIGNAGE
SCALE: 1 1/2" = 1'-0"



1 A8.1 FLASHING DETAIL @ FACILITY BUILDING
SCALE: 1 1/2" = 1'-0"



1A A8.1 FOUNDATION DRAINAGE DETAIL
SCALE: 1 1/2" = 1'-0"



2A A8.1 SECTION DETAIL @ SIGNAGE
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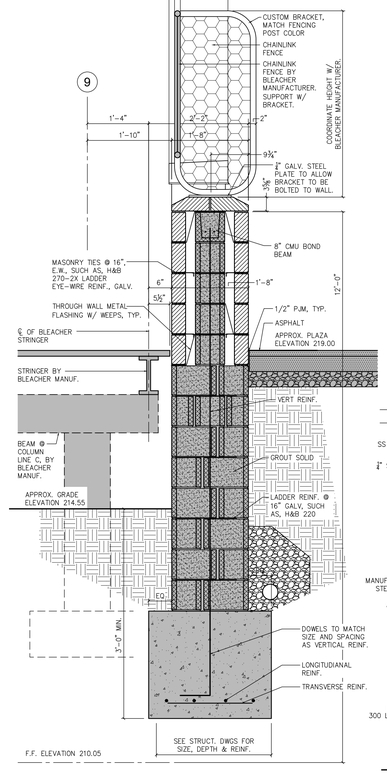
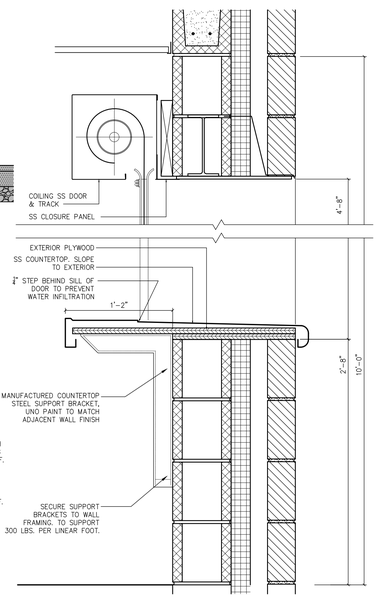
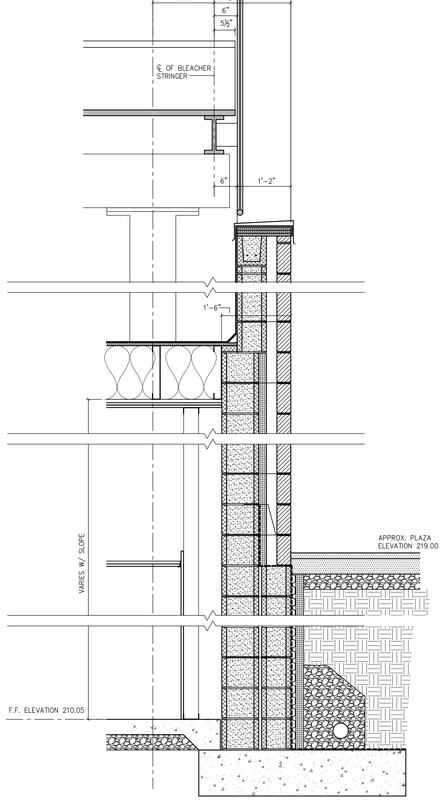


7A A8.1 RETAINING WALL
SCALE: 3/4" = 1'-0"



5 A8.1 TYPICALTRANSACTION COUNTER
SCALE: 1 1/2" = 1'-0"



7B A8.1 SECTION
SCALE: 3/4" = 1'-0"

GODSHALL KANE O'ROURKE ARCHITECTS, LLC
300 Brookside Avenue
Amber Yards - Building 18 - Suite 150
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T: 215.646.2003
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DETAILS

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A8.1

SCALE	AS NOTED
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