Addendum No. 4 **Issued: November 17, 2026**

Project Name:	Pottsgrove High School Facilities & Athletic Improvements ICS Project No. S25009
Project Owner:	Pottsgrove School District 1301 Kauffman Road Pottstown, PA 19464
Construction Manager:	ICS – Scott Kennedy 1400 N. Providence Road Building 2, Suite 4025 Media, PA 19063

BID DUE DATE: THURSDAY, DECEMBER 3, 2026 @ 3:00 p.m.

*This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated **October 21, 2026,** as noted below. This addendum must be acknowledged on the Bid Form in the space provided for this purpose. Failure to so acknowledge this addendum may subject the Bidder to disqualification.*

1.0 GENERAL INFORMATION:

1.1 This addendum consists of 87 pages including the following attachments:

- 2 Pages of **REVISED** and **REISSUED** Specification Section 32-17-13.
- 5 Pages of **REVISED** and **REISSUED** Specification Section 32-31-13.
- 7 Pages of **REVISED** and **REISSUED** Specification Section 33-12-13.
- 23 Pages of **REVISED** and **REISSUED** Civil Drawings: C102, C103, C103.1, C104, C104.2, C106, C107, C107.1, C301, C302, C303, C304, C305, C401, C402, C403, C502, C503, C504, C602, C603, C604, C605.
- 4 Pages of **REVISED** and **REISSUED** Architectural Drawings: A3.0, A8.1, A8.2, A8.3.
- 11 Pages of **REVISED** and **REISSUED** Electrical Drawings: EU101, E101, E102, E201, E301, E302, E401, E402, E600, E700, E800.
- 1 Page of **NEWLY ISSUED** Electrical Drawing: EU100
- 8 Pages of **REVISED** and **REISSUED** Mechanical Drawings: M201, M202, M400, P002, P201, P202, P301, P303.
- 15 Pages of **NEWLY ISSUED** Pressbox and Bleacher Drawings.

2.0 CHANGES TO PREVIOUS ADDENDA:

2.1 None

3.0 CHANGES TO THE PROPOSAL REQUIREMENTS, CONTRACT FORMS, & CONDITIONS OF THE CONTRACT:

3.1 None.

4.0 CHANGES TO THE SPECIFICATIONS:

4.1 Specification Section 10 44 00 “Fire Protection Specialties” FIREMAN’S KEYBOX Paragraph 2.5.A **DELETE** “General: Provide one unit...” and **REPLACE** with “General: Provide three (3) units...”

4.2 Specification Section 32-17-13 “Parking Bumpers” DELETE in its entirety and REPLACE with the revised and reissued Specification 32-17-13, included as an attachment to the Addendum.

4.3 Specification Section 32-31-13 “Chain Link Fences and Gates” DELETE in its entirety and REPLACE with the revised and reissued Specification Section 32-31-13, included as an attachment to the Addendum.

4.4 Specification Section 33-12-13 “Facility Sanitary Sewers” DELETE in its entirety and REPLACE with the revised and reissued Specification Section 33-12-13, included as an attachment to the Addendum.

5.0 CHANGES TO THE DRAWINGS:

5.1 Drawing Sheet S-01, “NOTES & TABLES, GENERAL NOTES, STEEL”, **ADD** the following note: "Steel exposed to the exterior shall be hot dipped galvanized in accordance with ASTM A123. This includes the entire lintel assembly located in exterior walls."

5.2 Drawing Sheet S1.2 & S-2.2, **REVISE** designations “C12” to “C18”

5.3 Drawing Sheet S1.1, S1.2, S2.1 and S2.2, FOUNDATION NOTES & STRUCTURAL NOTES, ADD the following note: “C18 INDICATES 18” DIAMETER CONCRETE COLUMN.”

5.4 Drawing Sheet S1.1, FOUNDATION PLAN AREA UNDER BLEACHER

- FND. PLAN – AREA UNDER BLEACHERS **REVISE** the following:
  a. Add detail marker F2/S3.2 to each of the 2 Groundworks bay openings.
  b. Change top of footing elevation from (-4-6") to (0'-0") for F10018 footings along column line C, (9 times).
  c. Call out WF7228 retaining wall footing with top of footing at (0'-0") for retaining wall along front of bleachers and turning back to corner of Area Under Bleachers Building at Plan Room 103 stepping footing down 8" to meet WF3028. Continue WF7228 retaining wall footing stepping up 2 times to (+3'-4") to the right of the bleachers along the concourse.
  d. Delete pipe crossings indicated in Dir. Of Facilities Office Room 100.

5.5 Drawing Sheet S1.2 “FOUNDATION PLANS CONCESSION, TOILETS & TICKETING” **REVISE** the following:

- FND. PLAN - HOME SIDE CONCESSIONS, TOILETS, TICKETING:
  a. **DELETE** pipe crossings indicated between Toilet Room 205 and Men’s TR 203.
  b. **DELETE** both pipe crossing in plan east exterior wall and north exterior wall in Mech. 201.
  c. Provide **ADDITIONAL** pipe crossing thru plan north exterior wall near entrance into Men’s TR 203.
- FND. PLAN - VISITOR SIDE CONCESSIONS, TOILETS, TICKETING:
  a. Provide **ADDITIONAL** pipe crossing in plan south exterior wall to the left of adjacent pipe crossing in Concessions 211.
  b. **DELETE** pipe crossing in plan north exterior wall in Concessions 211.

c. Provide **ADDITIONAL** pipe crossing in plan west exterior wall near the plan northern corner of that wall in Concessions 211.
d. Provide **ADDITIONAL** pipe crossing thru plan south exterior wall near entrance into Toilet Room 215.
e. Provide **ADDITIONAL** pipe crossing thru entrance into Janitor 216.
f. Provide **ADDITIONAL** pipe crossing thru entrance into plan north exterior wall in Ticketing Booth 210.
g. **DELETE** pipe crossing indicated in Men's Toilet Room 213.
h. **DELETE** pipe crossing in plan east exterior wall Ticketing Booth 210

5.6 Drawing Sheet S3.1, "TYPICAL STRUCTURAL FOUNDATION DETAILS", **CHANGE** title of Detail from "CONCRETE COL. C12" to "CONCRETE COL. C18". The change from C12 to C18 to be 18" diameter concrete reinf with (12) #5 vertical reinf., tie size and spacing to stay the same.

5.7 Drawing Sheet S3.1, "TYPICAL STRUCTURAL FOUNDATION DETAILS, PEDESTAL SCHEDULE", **REVISE** as follows:
- Under column "MARK" **CHANGE** from'C12' to 'C18'
- Under column "A x B SIZE" **CHANGE** from '1'-0" DIAMETER' to '1'-6" DIAMETER'
- Under column "VERT. BARS" **CHANGE** from '(8) #5' to '(12) #5'

5.8 Drawing Sheet A2.1, "UNDER HOME BLEACHER & HOME BLEACHER PLAN", Detail 1/A2.1 FACILITY BUILDING / UNDER HOME BLEACHER, **REVISE** as follows
- **CHANGE** note from "FRZ" to "FRZ N.I.C."
- **ADD** the following note pointed to wall at trainers building:
  a. REFER TO 3/A4.0 FOR TYP. WALL CONSTRUCTION

5.9 Drawing Sheet A2.1 & A2.2, "ARCH. FLOOR PLAN -KEYNOTES", **ADD** the following:
- Note A-07: ADD "(BY SITE CONTRACTOR)"
- Note A-08: ADD "(BY SITE CONTRACTOR)"

5.10 Drawing Sheet A2.1, "UNDER HOME BLEACHER & HOME BLEACHER PLAN", 1/A2.1 FACILITY BUILDING / UNDER HOME BLEACHER, Corridor 104, **ADD** (2) Additional A-23 "Clear Corner Guards" at outside corners.

5.11 Drawing Sheet A2.1, "UNDER HOME BLEACHER & HOME BLEACHER PLAN", 1/A2.1 FACILITY BUILDING / UNDER HOME BLEACHER, Note the following dimension: "From Column Line D to inside face of retaining wall at bleacher ramp and concourse is 5'-1"."

5.12 Drawing Sheet A2.2, "CONCESSIONS, TOILETS, TICKETING", 2/A2.2 VISITOR SIDE CONCESSIONS, TOILETS, TICKETING, **CHANGE** the note from "12" DIA. COLUMNS, PAINTED, TYP." to "18" DIA. COLUMNS, PAINTED, TYP."

5.13 Drawing Sheet A2.3, ROOF PLANS, Detail 1/A2.3 UNDER BLEACHER ROOF PLAN
- **ADD** the following note pointing to the roof at the trainers building:
  a. PROVIDE 14" BATT INSULATION, FURRING & GWB ON UNDERSIDE OF STEEL JOISTS @ TRAINERS BUILDING REFER TO 3/A4.0

5.14 Drawing Sheet A3.0, "EXTERIOR ELEVATIONS" – (Reference attached Reissued Drawing):
- **REPLACE** "EXTERIOR FINISH SCHEDULE"
- Detail 1/A3.0, STADIUM WEST ELEVATION, **MODIFY** the following:
  a. **CHANGE** profile of decorative wing wall beyond
  b. **ADD** dimension 3'-8" MAX" from column line "B" to transition in elevation of wing wall

c. **CHANGE** note from “DASHED LINE INDICATES EXTENT OF DECOR. WALL BEYOND” to “DASHED LINE INDICATES EXTENT OF DECOR. WALL BEYOND. COORD. WALL W/ BLEACHER MANUF., TYP.”
d. **ADD** section marker “7B/A8.1 SIM.” through wall profile

- Detail 2/A3.0, STADIUM NORTH ELEVATION, **MODIFY** the following:
  a. **ADD** dimension 8’-0” to chain link fencing, ‘F-2’, over retaining wall between facilities building and trainers building.
  b. Show top of masonry and **ADD** the following dimension:
     1) T.O.M @ TRAINERS BUILDING 17’-4”
  c. Show top of steel and **ADD** the following dimension:
     1) T.O.S. @ TRAINERS BUILDING 16’-2”

- Detail 3/A3.0, STADIUM EAST ELEVATION, **MODIFY** the following:
  a. **CHANGE** profile of decorative wing wall
  b. **ADD** dimension 3’-8” MAX” from column line “B” to transition in elevation of wing wall
  c. **CHANGE** note pointing to wing wall from “CMU-2” to “CMU-1”

5.15 Drawing Sheet A3.1, “EXTERIOR ELEVATIONS”

- Detail 7/A3.1 HOME SIDE ELEVATION
  a. “RESTROOM” signage notes: “ALUM. CHANNEL LETTERS, 8” HIGH x 1” DEEP, COLORS: ‘RED’ FACE WITH “BLACK” SIDES.”.
  b. **ADD** the following note and point to fixture ‘J’: “LIGHT FIXTURE. SEE ELECT. DWGS.”

5.16 Drawing Sheet A3.1, “EXTERIOR ELEVATIONS, **DELETE** in its entirety “EXTERIOR FINISH SCHEDULE” and **REPLACE** with **REISSUED** Drawing Sheet A3.0 “SCHEDULE”. See reissued sheet A3.0 attached to this Addendum.

5.17 Drawing Sheet A5.1 “INTERIOR ELEVATIONS”

- Detail 18/A5.1, ATHLETIC TRAINER 114,
  a. **CHANGE** “10430” combination storage cabinet to “10703” open bottom w/ finished ends
     1) **CHANGE** horizontal dimension at open bottom cabinet from 2’-9” to 2’-3”
     2) **CHANGE** vertical dimension at open bottom cabinet from 2’-9¼“ to 3’-0¼“
        a) Adjust backsplash & countertop accordingly
     3) Open bottom cabinet to furnish under counter freezer, under counter freezer not in contract, noted:
        a) “FRZ N.I.C.”
  b. **CHANGE** “10576 ADA SINK” horizontal dimension from 2’-9” to 3’-3”

5.18 Drawing Sheet A5.1 “INTERIOR ELEVATIONS”, **ADD** “INTERIOR ELEVATIONS - GENERAL NOTES:”

- **ADD** the following note: “1. CASEWORK MODEL NUMBER USES ‘STEVENS ADVANTAGE – COMMERCIAL CABINETRY AND MILLWORK’ MODEL NUMBERING SYSTEM (BASIS OF DESIGN)”

5.19 Drawing Sheet A7.0 “FINISH PLANS, SCHEDULES & DETAILS”

- INTERIOR FINISH - LEGEND, FINISHES -WALL, **NOTE** the following:
  a. P-1 (WHITE), TYP = SW 7362 MODERN GRAY
  b. P-2 (GRAY) = SW 9170 ACIER
  c. P-3 (RED) = SW 7584 RED THEATER
  d. P-C (WHITE) = SW 7070 SITE WHITE

e. P-HM = SW 6034 ARRESTING AUBURN

5.20 Drawing Sheet A7.0, “FINISH PLANS, SCHEDULES & DETAILS”

- INTERIOR FINISH – ROOM SCHEDULE, CEILINGS - FINISH, **NOTE** “P-C” IN THE FOLLOWING ROOMS:
  a. 203 MENS TOILET ROOM
  b. 206 WOMENS TOILET ROOM
  c. 213 MENS TOILET ROOM
  d. 214 WOMENS TOILET ROOM

5.21 Drawing Sheets A8.1, A8.2, & A8.3, details, **ADD** General Note: VERTICAL FRAMING MEMBERS (STUDS & WALL FURRING) SHALL BE SPACED AT 16” O.C. UNLESS OTHERWISE NOTED

5.22 Drawing Sheet A8.1 “DETAILS” (Reference attached Reissued Drawing):

- Detail 1A/A8.1, Detail foundation modified
- Detail 7A/A8.1
  a. Detail foundation modified
  b. **ADD** solid ‘Gray’ hatch to chain link fencing, custom bracket, & 1/4" galv. steel plate.
- Detail 7B/A8.1
  a. Detail foundation modified
  b. **ADD** gray hatch to asphalt

5.23 Drawing Sheet A8.2 “DETAILS” (Reference attached Reissued Drawing):

- Detail 10/A8.2, ADD solid ‘Gray’ hatch to decorative fencing above site wall.
- Detail 11/A8.2
  a. **CHANGE** title of detail from “FLAG POLE ENCLOSURE” to “SITE DETAIL”.
  b. Detail foundation modified

5.24 Drawing Sheet A8.3 “DETAILS” (Reference attached Reissued Drawing):

- Detail 1/A8.3 & 7C/A8.3, Detail foundation modified
- Detail 3B/A8.3, **ADD** the following note: EXTEND 6” PIPE TO DAYLIGHT
- Detail 3A/A8.3
  a. **ADD** the following note: EXTEND 6” PIPE TO DAYLIGHT
  b. **ADD** definition of unbalanced soil
- Detail 2/A8.3, **ADD** solid ‘Gray’ hatch to decorative fencing above site wall.
- Detail 5A/A8.3, Detail foundation modified
- Detail 3/A8.3, Change “12” COLUMN” TO “18” DIAMETER COLUMN”

5.25 **ADDED** Drawing Sheet EU-100 “ELECTRICAL SITE DEMOLITION PLAN” which shows Electrical Contractor responsibilities for demolition work.

5.26 Drawing Sheet E-101 “ELECTRICAL SITE UTILITY PLAN – NORTH” (Reference attached Reissued Drawing):

- Added flagpole lighting/controls and power near scoreboard.
- Adjusted power requirements for scoreboard. New panelboard at scoreboard shall be included in the contract.
- Added backfeed for existing site lighting to plans.
- Added power for play clocks to site plan.

5.27 Drawing Sheet E-101 “LIGHTING PLAN – HOME SIDE PAVILLION” (Reference attached Reissued Drawing):

- Deleted flagpole lighting from this plan. These will be moved to be shown on Sheet EU-101.
- Shifted light switch in Concessions 209.
- Changed fixture types and switching scheme in Athletic Trainer Room.
- Changed and created new light fixture types to coordinate with ceiling types.
- Removed all scope associated with lighting in the Press box area.

5.28 Drawing Sheet E-102 “LIGHTING PLAN – VISITORS SIDE PAVILLION” (Reference attached Reissued Drawing):

- Changed and created new light fixture types to coordinate with ceiling types.

5.29 Drawing Sheet E-201 “POWER PLAN – HOME SIDE PAVILLION” (Reference attached Reissued Drawing):

- Updated heater changes.
- Updated Pressbox panels and notes. Deleted receptacles shown as these are to be installed by press box installer, with the exception of the panel near Panel PBB.
- Added dedicated circuits for pressbox exterior outlets and for sound rack.

5.30 Drawing Sheet E-301 “FIRE ALARM PLAN – HOME SIDE PAVILLION” (Reference attached Reissued Drawing):

- Moved fire alarm device in Apparel Room 202.
- Shifted FA Device on exterior of Ticket Booth 200.
- Shifted FA device outside Concession 209.
- Moved FACP to Apparel 202.
- Added fire alarm annunciator to Home side buildings and relocated fire alarm control panel.

5.31 Drawing Sheet E-302 “FIRE ALARM PLAN - VISITIORS SIDE PAVILLION” (Reference attached Reissued Drawing):

- Shifted Fire Alarm device locations in restroom building.
- Moved FACP to Ticketing Booth 210.
- Added fire alarm annunciator to Visitor side buildings and relocated fire alarm control panel.

5.32 Drawing Sheet E-401 ”SYSTEMS PLAN -HOME SIDE PAVILLION” (Reference attached Reissued Drawing):

- Adjusted data drops to match FACP location.
- Adjusted data drop location associated with Home Side FACPs.
- Adjusted data drop locations in outdoor press platforms on Press box. Added requirement for some drops to be weatherproof type.

5.33 Drawing Sheet E-402 “SYSTEMS PLAN – VISITORS SIDE PAVILLION” (Reference attached Reissued Drawing):

- Adjusted data drops to match FACP location.
- Adjusted data drop location associated with Visitor Side FACP.

5.34 Drawing Sheet E-600 “ONE-LINE DIAGRAM” (Reference attached Reissued Drawing):
- Updated scoreboard power panel feed requirements and origination.
- Added Scoreboard Panel SB Panel Schedule.
- Added backfeed for existing site lighting to one-line diagram.
- Added requirement for spare 4” conduit to be routed with secondary building conductors.
- Updated oneline per pressbox changes to include additional feeders.

5.35 Drawing Sheet E-700 “ELECTRICAL SCHEDULES” (Reference attached Reissued Drawing):
- Removed flagpole lighting from Panel LC, circuit 46.
- Updated flagpole light type.
- Changed G1E type fixture to be suspended.
- Added power for play clocks to Panel LC.
- Updated schedules for heater changes in Panel LC.
- Updated LO Panel schedule to include Pressbox feeders.

5.36 Drawing Sheet E-800 “SYSTEMS ONE-LINE DIAGRAM” (Reference attached Reissued Drawing):
- Added reference to baseball field fiber optic feed. Feed was previously shown only on site plan.
- Clarified fiber optic feeds to be 12 strand, not 6 strand.

5.37 Drawing Sheet M-201 “MECHANICAL PLAN - HOME SIDE PAVILLION” (Reference attached Reissued Drawing):
- Changed unit heaters UH-2, UH-3, and UH-6 in rooms 206, 203, and 202 to be ceiling heaters. Refer to drawings and mechanical schedules.
- Added tagged note A10 to RA ductwork routed above coiling doors in grounds work bay room.

5.38 Drawing Sheet M-202 “MECHANICAL PLAN – VISITORS SIDE PAVILLION” (Reference attached Reissued Drawing):
- Changed unit heaters UH-4 in rooms 214 and 213 to be ceiling heaters. Refer to drawings and mechanical schedules.

5.39 Drawing Sheet M-400 “MECHANICAL SCHEDULES” (Reference attached Reissued Drawing):
- Updated Unit Heater Schedule

5.40 Drawing Sheet P-002 “PLUMBING SCHEDULES AND DETAILS” (Reference attached Reissued Drawing):
- Provided plumbing fixture schedule information for roof drain.

5.41 Drawing Sheet P-201 “UNDERSLAB PLUBMING PLAN – HOME SIDE PAVILLION” (Reference attached Reissued Drawing):
- Adjusted sanitary piping serving drinking fountains on exterior wall to align with architectural background.
- Added roof leader piping to service roof drain in athletic trainer’s room.

5.42 Drawing Sheet P-202 “UNDERSLAB PLUMBING PLAN – VISITORS SIDE PAVILLION” (Reference attached Reissued Drawing):
- Adjusted visitor’s side underslab pipe routing.

5.43 Drawing Sheet P-301 “PLUMBING PLAN - HOME SIDE PAVILLION” (Reference attached Reissued Drawing):

- Added vent piping to serve drinking fountains on exterior wall.
- Adjusted sanitary piping serving drinking fountains on exterior wall to align with architectural background.
- Added roof leader piping to service roof drain in athletic trainer’s room.

5.44 Drawing Sheet P-303 “PLUMBING PLAN – ROOF PLAN” (Reference attached Reissued Drawing):

- Located roof drain for athletic trainer’s room.

6.0 PUBLIC BIDDER’S QUESTIONS (WS1-WS2-WS3-WS4):

Below are the questions received during bidding as of November 16, 2026.

6.1 **Question:** Should the eighteen (18) HSS12 x 12 x 3/8 columns located in the area under the bleachers be hot-dip galvanized since the top portion of these members will be exposed to the elements.

Response: "Steel exposed to the exterior shall be hot dipped galvanized in accordance with ASTM A123. This includes the entire lintel assembly located in exterior walls."

6.2 **Question:** Who is responsible for “stoning” the building slabs?

Response: The Site Contractor will bring the subgrade (compacted) elevation to the level below the stone. The General Contractor to provide and compact the stone under the slabs. The General contractor to provide all building pads.

6.3 **Question:** Confirm that all fencing both chain link and ornamental is by the site contractor or bleacher mfg. If not, provide exact scope of what fencing is to be provided by the GC.

Response: All fencing on site to be provided by the Site Contractor with the exception of the chain link fence connected to the bleachers on each end wall which will be provided by the bleacher manufacturer.

6.4 **Question:** Confirm the site contractor will be responsible for removing and disposing of all soil spoils from the other primes from the site.

Response: Yes, the site contractor will remove all soils excavated by the other prime contractors.

6.5 **Question:** Confirm the site work contractor will provide benchmarks for elevations and corners of the buildings to locate.

Response: Yes, the site contractor will provide benchmarks for elevations and building corners.

6.6 **Question:** Confirm that demolition of the structures by the site contractor includes removing all underground foundations, pipes, etc. and that they will be backfilled and compacted.

Response: Yes, that is correct.

6.7 **Question:** Is the bleacher contractor responsible for the footers?

Response: No, the General Contractor is responsible for the footers.

6.8 **Question:** Are all dumpsters by site contractor?

Response: Yes, the Site Contractor is responsible for dumpsters. See Specification Section 01 50 00 “Temporary Facilities and Controls” Paragraphs 1.04.H and 3.04.D.

6.9 **Question:** EU-101: Tagged note U19 calls for 12 strand FO. E-800, telecom riser home side concessions shows 6 strand FO. Which type of cable is required for this run? EU-101: Tagged note U34 calls for 12 strand FO. E-800, telecom riser visitor restroom IDF shows 6 strand FO. Which type of cable is required for this run?

Response: Provide 12 strand fiber optic cabling. See Drawing #

6.10 **Question:** Can you confirm the EC is Responsible to patch the roadway were the telecom/fiber crosses to connect the school? Drawing EU-102 note U35

Response: Yes, the Electrical Contractor is responsible to patch the road where the fiber crosses to connect to the high school. See detail on Drawing E-500. The trench detail is on the site drawings.

6.11 **Question:** Could a spec be provided for piping and duct insulation. Could a spec also be provided for what plumbing piping is required for this project.

Response: That information is already listed within Specification 20-22 00 “Insulation – Mechanical” and Specification 20 13 00 “Pipe, Pipe Fittings, and Pipe Support”.

6.12 **Question:** The RTU schedule is calling for a 4” curb. Is that correct or do you mean 14”?

Response: RTU schedule call for a 4” curb.

6.13 **Question:** On A6.0, it shows a drywall ceiling between column lines 1 and 5 for the Home side under bleachers. Is the ductwork for RTU-1, EF-4, and duct associated with EF-4 being hung underneath this drywall ceiling exposed? Also, is the round duct in this area supposed to be double wall?

Response: Yes, the ductwork is to be hung exposed below the sheetrock ceiling. All exposed ductwork is to be double wall as per Specification Section 23 12 00.

6.14 **Question:** I don’t see any duct insulation spec for the SA/RA off of the RTU’s.

Response: That information is already listed within Specification Section 20 22 00 “Insulation – Mechanical” and Specification Section 20 13 00 “Pipe, Pipe Fittings, and Pipe Support”.

6.15 **Question**: Unit Prices WS-2B, WS-2D, WS-2E, WS-2F, WS-2G, and WS-2H list the quantity allowances as “Not Applicable” however the EC bid form asks for the “total cost allowance for Unit Price” for these Unit Prices. Please clarify the quantity allowance for these Unit Prices.

Response: Specification Section 01 22 00 “Unit Prices” some unit prices will not contribute to the allowances. These are identified as “not applicable”. Specification Section 00 41 16 “Bid Form” Indicate “not applicable” for **those items where we are not requesting an allowance.**

6.16 **Question:** How many copies are required on bid day?

Response: Two hard copies are required to be submitted on bid day.

6.17 **Question:** Are liquidated damages listed anywhere?

Response: Liquidated damages are listed in Specification Section 00 72 00 AIA A232 “General Conditions of the Contract for Construction” Article 9.11.

7.0 COOPERATIVE PURCHASING BIDDER’S QUESTIONS (WS5):

Below are the questions received during bidding as of November 16, 2026.

7.1 **Question:** Are there any existing drawings of the buildings to show demolition details**.**

Response: No, there are no existing drawings.

7.2 **Question:** Who is responsible for “stoning” the building slabs?

Response: The Site Contractor will bring the subgrade (compacted) elevation to the level below the stone. The General Contractor to provide and compact the stone under the slabs. The General contractor to provide all building pads.

7.3 **Question:** Confirm that all fencing both chain link and ornamental is by the site contractor or bleacher mfg. If not, provide exact scope of what fencing is to be provided by the GC.

Response: All fencing on site to be provided by the Site Contractor with the exception of the chain link fence connected to the bleachers on each end wall which will be provided by the bleacher manufacturer.

7.04 **Question:** Confirm the site contractor will be responsible for removing and disposing of all soil spoils from the other primes from the site.

Response: Yes, the site contractor will remove all soils excavated by the other prime contractors.

7.05 **Question:** Confirm the site work contractor will provide benchmarks for elevations and corners of the buildings to locate.

Response: Yes, the site contractor will provide benchmarks for elevations and building corners.

7.06 **Question:** Confirm that demolition of the structures by the site contractor includes removing all underground foundations, pipes, etc. and that they will be backfilled and compacted.

Response: Yes, that is correct.

7.07 **Question:** Is the bleacher contractor responsible for the footers?

Response: No, the General Contractor is responsible for the footers.

7.08 **Question:** Are all dumpsters by site contractor?

Response: Yes, the Site Contractor is responsible for dumpsters. See Specification Section 01 50 00 “Temporary Facilities and Controls” Paragraphs 1.04.H and 3.04.D.

7.09 **Question:** Can you confirm the EC is Responsible to patch the roadway were the telecom/fiber crosses to connect the school? Drawing EU-102 note U35

Response: Yes, the Electrical Contractor is responsible to patch the road where the fiber crosses to connect to the high school. See detail on Drawing E-500. The trench detail is on the site drawings.

7.10 **Question:** Please confirm if there is a bid form and if there are any additional bid-submittal requirements with work scope 5.

Response: The bid form can be found in Specification Section 00 41 20. “Bid Form – Work Scope No. 5 – Site & Athletic Improvements Construction”. Submittal requirements can be found in Specification Section 00 43 93 “Bid Submittal Attachments”.

7.11 **Question:** Unit Prices WS-2B, WS-2D, WS-2E, WS-2F, WS-2G, and WS-2H list the quantity allowances as “Not Applicable” however the EC bid form asks for the “total cost allowance for Unit Price” for these Unit Prices. Please clarify the quantity allowance for these Unit Prices.

Response: Specification Section 01 22 00 “Unit Prices” some unit prices will not contribute to the allowances. These are identified as “not applicable”. Specification Section 00 41 20 “Bid Form – Work Scope No. 5 – Site & Athletic Improvements Construction” Indicate “not applicable” for those items where we are not requesting an allowance.

7.12 **Question:** Question on the trench liner and field liner spec. The 12” perforated pipe we can use a 30 or 40 mill PVC liner. This needs to be done as a separate installation and the liner is run up the trench and laid onto the subgrade. When this is complete, we usually line the field with a 12-mill HDPE liner and overlap the trench liner by 12”. This completely seals the seal the subgrade and directs the water to the collector trenches. Would you consider this as an alternate to the specification.

Response: We will not consider this as an alternate / substitution.

7.13 **Question:** How many copies are required on bid day?

Response: One electronic copy of your bid submittal is sufficient.

7.14 **Question:** Are liquidated damages listed anywhere?

Response: Liquidated damages are listed in Specification Section 00 72 00 AIA A232 “General Conditions of the Contract for Construction” Article 9.11.

7.15 **Question:** Bid delivery: Please confirm that WS5 bids are to be sealed and hand delivered to Ron Linke, Business Administrator, at the PGSD Administrative Building, 1301 Kauffman Road, Pottstown, PA 19464, by Thursday, December 3, 2026 at 3:00 PM, per Addendum No. 3. Please also let us know whether WS5 bids will be publicly opened and read, and whether any envelope labeling is required.

Response: Specification Section 00 11 16 “Invitation to Bid” requires bidders for Work Scope 5 to submit their bids via email to me by 3:00 pm on December 3, 2026 (bid date updated in Addendum #3 dated 11/13/26). Scott.kennedy@cmta.com

7.16 **Question:** COSTARS contract: Please confirm which COSTARS contract number(s) or categories the District will accept for WS5, and whether our COSTARS contract number should be listed on the bid form.

Response: Please see Specification Section 00 60 00 “Cooperative Purchasing Program Terms and Conditions” and Specification Section 00 41 20 “Bid Form”

END OF ADDENDUM NO. 4

SECTION 32 17 13 - PARKING BUMPERS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes concrete wheel stops.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product.

B. Samples for Initial Selection: For each type of exposed finish requiring color selection.

C. Samples for Verification: For wheel stops, 6 inches (150 mm) long showing color and cross section.

PART 2 - PRODUCTS

2.1 PARKING BUMPERS

A. Concrete Wheel Stops: Precast, steel-reinforced, air-entrained concrete, 4000-psi (27.6-MPa) minimum compressive strength, [manufacturer's standard height and width] 4-1/2 inches (115 mm) high by 9 inches (225 mm) wide by 72 inches (1800 mm) long. Provide chamfered corners, transverse drainage slots on underside, and a minimum of two factory-formed or -drilled vertical holes through wheel stop for anchoring to substrate.

1. Surface Appearance: Free of pockets, sand streaks, honeycombs, and other obvious defects. Corners shall be uniform, straight, and sharp.
2. Surface Sealer: Manufacturer's standard salt-resistant, clear sealer, applied at precasting location.
3. Mounting Hardware: Galvanized-steel hardware as standard with wheel-stop manufacturer. Provide hardware to owner- do not fasten to pavement using steel hardware. See detail sheet.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Verify that pavement is in suitable condition to begin installation according to manufacturer's written instructions.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

A. Install wheel stops in the locations indicated on the drawings. Do not fasten to pavement by mechanical means or adhesive.

END OF SECTION 32 17 13

SECTION 32 31 13 - CHAIN LINK FENCES AND GATES

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes chain-link fences and swing gates.

1.2 PERFORMANCE REQUIREMENTS

A. Delegated Design: Design chain-link fences and gates, including comprehensive engineering analysis by a qualified professional engineer, using performance requirements and design criteria indicated.

B. Structural Performance: Chain-link fence and gate framework shall withstand the effects of gravity loads and the following loads and stresses within limits and under conditions indicated according to ASCE/SEI 7.

1. Minimum Post Size: Determine according to ASTM F 1043 for framework up to 8 feet high, and post spacing not to exceed 10 feet.

1.3 SUBMITTALS

A. Options in subparagraphs below are examples only; revise to suit Project. Consult a structural engineer experienced in design wind loads applicable to Project. Verify compliance with codes. See Evaluations.

B. Product Data: For each type of product indicated

C. Shop Drawings: Include plans, elevations, sections, details, and attachments to other work.

D. Delegated-Design Submittal: For chain-link fences and gate framework indicated to comply with performance requirements and design criteria, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation. The Contractor shall provide engineered drawings for the rolling gate design.

E. Product Certificates: For each type of chain-link fence and gate, from manufacturer.

F. Product Test Reports: For framing strength according to ASTM F 1043.

G. Sample of special warranty.

1.4 CLOSEOUT SUBMITTALS

A. Operation and maintenance data.

1.5 WARRANTY

A. Special Warranty: Manufacturer's standard form in which installer agrees to repair or replace components of chain-link fences and gates that fail in materials or workmanship within specified warranty period.

1. Failures include, but are not limited to, deterioration of metals, metal finishes, and other materials beyond normal weathering.
2. Warranty Period: Five years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 Fence components shall be black vinyl-coated to comply with CLFMI Product Manual, as noted on the drawings.

2.2 CHAIN-LINK FENCE FABRIC

A. General: Provide fabric in one-piece heights measured between top and bottom of outer edge of selvage knuckle. Comply with CLFMI Product Manual and with requirements indicated below:

1. Fabric Height: As indicated on Drawings.
2. Steel Wire Fabric: Wire with a diameter of 0.149 inch (9 gauge).

a. Mesh Size: 1 1/4 inches.
b. Zinc-Coated Fabric: ASTM A 392, Type II, Class 2, 2.0 oz./sq. ft. with zinc coating applied before weaving.
c. Polymer-Coated Fabric: ASTM F668 over zinc-coated steel wire. Color: Black

3. Selvage: Knuckled at both selvages.

2.3 FENCE FRAMING

A. Posts and Rails: Comply with ASTM F 1043 for framing, including rails, braces, and line; terminal; and corner posts. Provide members with minimum dimensions and wall thickness according to ASTM F 1043 based on the following:

1. Fence Height: As indicated on Drawings.

a. Line Post: Per details.
b. End, Corner and Pull Post: Per details.

2. Horizontal Framework Members: top and bottom rails complying with ASTM F 1043.
3. Brace Rails: Comply with ASTM F 1043. Fencing over 6' ht. shall include a center horizontal rail.
4. Metallic Coating for Steel Framing: Type A zinc coating.
5. Polymer-Coated Fabric: ASTM F668 over zinc-coated steel wire. Color: Black

2.4 SWING GATES

A. General: Comply with ASTM F 900 for gate posts and single and double swing gate types.

1. Gate Leaf Width: As indicated.
2. Gate Fabric Height: Match fence height.
3. Gate Finish: Match fence finish

B. Pipe and Tubing:

1. Zinc-Coated Steel: Comply with ASTM F 1043 and ASTM F 1083; protective coating and finish to match fence framing.
2. Gate Posts: Round tubular steel
3. Gate Frames and Bracing: Round tubular steel

C. Frame Corner Construction: Welded.

D. Hardware:

1. Hinges: confirm with owner desired swing direction prior to fabrications.
2. Latches permitting operation from both sides of fence.
3. Latches for double gates shall be Strong-Arm type. No drop bar / drilled hole.
4. Hinges, center gate stops for double gates and, for each gate leaf more than 5' wide, keepers and wheel rollers. Fabricate latches with integral eye openings for padlocking; padlock accessible from both sides of gate.

2.5 FITTINGS

A. General: Comply with ASTM F 626.

1. Provide line posts with arms that accommodate top rail or tension wire.
2. Provide corner arms at fence corner posts.
3. Finish to match fence/gate.

2.6 GROUT AND ANCHORING CEMENT

A. Nonshrink, Nonmetallic Grout: Premixed, factory-packaged, nonstaining, noncorrosive, nongaseous grout complying with ASTM C 1107. Provide grout, recommended in writing by manufacturer, for exterior applications.

B. Erosion-Resistant Anchoring Cement: Factory-packaged, nonshrink, nonstaining, hydraulic-controlled expansion cement formulation for mixing with potable water at Project site to create pourable anchoring, patching, and grouting compound. Provide formulation that is resistant to erosion from water exposure without needing protection by a sealer or waterproof coating and that is recommended in writing by manufacturer, for exterior applications.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Examine areas and conditions, with Installer present, for compliance with requirements for site clearing, earthwork, pavement work, and other conditions affecting performance of the Work.

1. Do not begin installation before final grading is completed unless otherwise permitted by Engineer.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

C. Stake locations of fence lines, gates, and terminal posts. Do not exceed intervals of 500 feet (or line of sight between stakes. Indicate locations of utilities, lawn sprinkler system, underground structures, benchmarks, and property monuments.

D. Install chain-link fencing to comply with ASTM F 567 and more stringent requirements indicated.

E. Post Excavation: Drill or hand-excavate holes for posts to diameters and spacings indicated, in firm, undisturbed soil.

F. Post Setting: Set posts in concrete at indicated spacing into firm, undisturbed soil.

1. Verify that posts are set plumb, aligned, and at correct height and spacing, and hold in position during setting with concrete or mechanical devices.
2. Concrete Fill: Place concrete around posts to dimensions indicated and vibrate or tamp for consolidation. Protect aboveground portion of posts from concrete splatter. Install per plan. Concrete shall not daylight.

G. Terminal Posts: Locate terminal end, corner, and gate posts per ASTM F 567 and terminal pull posts at changes in horizontal or vertical alignment.

H. Line Posts: Space line posts uniformly at 10 feet o.c.

I. Chain-Link Fabric: Apply fabric to outside of enclosing framework around site perimeter. Apply fence fabric around running track perimeter to track-side of framework. Leave 2 inches between finish grade or surface and bottom selvage unless otherwise indicated.

J. Install gates according to manufacturer's written instructions, level, plumb, and secure for full opening without interference. Attach fabric as for fencing. Attach hardware using tamper-resistant or concealed means. Install ground-set items in concrete for anchorage. Adjust hardware for smooth operation and lubricate where necessary.

K. Gates: Adjust gates to operate smoothly, easily, and quietly, free of binding, warp, excessive deflection, distortion, nonalignment, misplacement, disruption, or malfunction, throughout entire operational range. Confirm that latches and locks engage accurately and securely without forcing or binding.

END OF SECTION 32 31 13

SECTION 33 13 13 - FACILITY SANITARY SEWERS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:

1. Pipe and fittings.
2. Cleanouts.

1.3 SUBMITTALS

A. Product Data: For the following:

1. Pipes and fittings.

B. Coordination Drawings: Show pipe sizes, locations, and elevations. Show other piping in same trench and clearances from sewer system piping. Indicate interface and spatial relationship between manholes, piping, and proximate structures.

C. Field quality-control reports.

1.4 DELIVERY, STORAGE, AND HANDLING

A. Do not store plastic manholes, pipe, and fittings in direct sunlight.

B. Protect pipe, pipe fittings, and seals from dirt and damage.

1.5 PROJECT CONDITIONS

A. Interruption of Existing Sanitary Sewerage Service: Do not interrupt service to facilities occupied by Owner or others unless permitted under the following conditions and then only after arranging to provide temporary service according to requirements indicated:

1. Notify Engineer no fewer than two days in advance of proposed interruption of service.
2. Do not proceed with interruption of service without Engineer's written permission.

PART 2 - PRODUCTS

2.1 PVC PIPE AND FITTINGS

A. PVC Type PSM Sewer Piping:

1. Pipe: ASTM D 3034, SDR 35, PVC Type PSM sewer pipe with bell-and-spigot ends for gasketed joints.
2. Fittings: ASTM D 3034, PVC with bell ends.
3. Gaskets: ASTM F 477, elastomeric seals.

2.2 NONPRESSURE-TYPE TRANSITION COUPLINGS

A. Comply with ASTM C 1173, elastomeric, sleeve-type, reducing or transition coupling, for joining underground nonpressure piping. Include ends of same sizes as piping to be joined and corrosion-resistant-metal tension band and tightening mechanism on each end.

B. Sleeve Materials:

1. For Plastic Pipes: ASTM F 477, elastomeric seal or ASTM D 5926, PVC.
2. For Dissimilar Pipes: ASTM D 5926, PVC or other material compatible with pipe materials being joined.

C. Shielded, Flexible Couplings:

1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

a. Cascade Waterworks Mfg.
b. Dallas Specialty & Mfg. Co.
c. Mission Rubber Company; a division of MCP Industries, Inc.

2. Description: ASTM C 1460, elastomeric or rubber sleeve with full-length, corrosion-resistant outer shield and corrosion-resistant-metal tension band and tightening mechanism on each end.

2.3 CLEANOUTS

A. PVC Cleanouts:

1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

a. Canplas LLC.
b. IPS Corporation.

c. NDS.
d. Plastic Oddities; a division of Diverse Corporate Technologies, Inc.
e. Sioux Chief Manufacturing Company, Inc.
f. Zurn Light Commercial Products Operation; Zurn Plumbing Products Group.
g. Or approved equal.

2. Description: PVC body with PVC threaded plug. Include PVC sewer pipe fitting and riser to cleanout of same material as sewer piping. Provide lid and frame per details.

2.4 MANHOLES

A. Standard Precast Concrete Manholes:

1. Description: ASTM C 478, precast, reinforced concrete, of depth indicated, with provision for sealant joints, and in conformance with Municipal Authority requirements.
2. Diameter: 48 inches minimum unless otherwise indicated.
3. Ballast: Increase thickness of precast concrete sections or add concrete to base section, as required to prevent flotation.
4. Base Section: 6-inch minimum thickness for floor slab and 4-inch minimum thickness for walls and base riser section; with separate base slab or base section with integral floor.
5. Riser Sections: 4-inch minimum thickness, of length to provide depth indicated.
6. Top Section: Eccentric-cone type unless concentric-cone or flat-slab-top type is indicated; with top of cone of size that matches grade rings.
7. Joint Sealant: ASTM C 990, bitumen or butyl rubber.
8. Resilient Pipe Connectors: ASTM C 923, cast or fitted into manhole walls, for each pipe connection.
9. Steps: ASTM A 615/A 615M, deformed, 1/2-inch steel reinforcing rods encased in ASTM D 4101, PP; wide enough to allow worker to place both feet on one step and designed to prevent lateral slippage off step. Cast or anchor steps into sidewalls at 12- to 16-inch intervals. Omit steps if total depth from floor of manhole to finished grade is less than 60 inches.
10. Adjusting Rings: Interlocking HDPE rings, with level or sloped edge in thickness and diameter matching manhole frame and cover, and with height as required to adjust manhole frame and cover to indicated elevation and slope. Include sealant recommended by ring manufacturer.
11. Grade Rings: Reinforced-concrete rings, 6- to 9-inch total thickness, with diameter matching manhole frame and cover, and with height as required to adjust manhole frame and cover to indicated elevation and slope.

B. Manhole Frames and Covers:

1. Description: Ferrous; 24-inch ID by 7- to 9-inch riser, with 4-inch- minimum-width flange and 26-inch- diameter cover. Include indented top design with lettering cast into cover, using wording equivalent to "SANITARY SEWER."
2. Material: ASTM A 536, Grade 60-40-18 ductile iron unless otherwise indicated.

C. Inside Drop Bowl:

1. Provide inside drop bowl where required on Drawings per Municipal Authority requirements (or approved equal).

2.5 CONCRETE

A. General: Cast-in-place concrete complying with ACI 318, ACI 350/350R, and the following:

1. Cement: ASTM C 150, Type II.
2. Fine Aggregate: ASTM C 33, sand.
3. Coarse Aggregate: ASTM C 33, crushed gravel.
4. Water: Potable.

B. Portland Cement Design Mix: 4000 psi minimum, with 0.45 maximum water/cementitious materials ratio.

1. Reinforcing Fabric: ASTM A 185/A 185M, steel, welded wire fabric, plain.
2. Reinforcing Bars: ASTM A 615/A 615M, Grade 60 (420 MPa) deformed steel.

C. Ballast and Pipe Supports: Portland cement design mix, 3000 psi minimum, with 0.58 maximum water/cementitious materials ratio.

1. Reinforcing Fabric: ASTM A 185/A 185M, steel, welded wire fabric, plain.
2. Reinforcing Bars: ASTM A 615/A 615M, Grade 60 (420 MPa) deformed steel.

PART 3 - EXECUTION

3.1 EARTHWORK

A. Excavating, trenching, and backfilling are specified in Section 31 20 00 "Earth Moving."

3.2 PIPING INSTALLATION

A. General Locations and Arrangements: Drawing plans and details indicate general location and arrangement of underground sanitary sewer piping. Location and arrangement of piping layout take into account design considerations. Install piping as indicated, to extent practical. Where specific installation is not indicated, follow piping manufacturer's written instructions.

B. Install piping beginning at low point, true to grades and alignment indicated with unbroken continuity of invert. Place bell ends of piping facing upstream. Install gaskets, seals, sleeves, and couplings according to manufacturer's written instructions for using lubricants, cements, and other installation requirements.

C. Install gravity-flow, nonpressure, drainage piping according to the following:

1. Install piping pitched down in direction of flow, at minimum slope of 1 percent unless otherwise indicated.
2. Install piping NPS 6 and larger with restrained joints at tee fittings and at changes in direction. Use corrosion-resistant rods, pipe or fitting manufacturer's proprietary restraint system, or cast-in-place-concrete supports or anchors.
3. Install piping with 48-inch minimum cover.
4. Install PVC Type PSM sewer piping according to ASTM D 2321 and ASTM F 1668.

3.3 PIPE JOINT CONSTRUCTION

A. Join gravity-flow, nonpressure, drainage piping according to the following:
   1. Join PVC Type PSM sewer piping according to ASTM D 2321 and ASTM D 3034 for elastomeric-seal joints or ASTM D 3034 for elastomeric-gasket joints, and according to the requirements of the Municipal Authority.

3.4 CONCRETE PLACEMENT

A. Place cast-in-place concrete according to ACI 318.

3.5 CLEANOUT INSTALLATION

A. Install cleanouts and riser extensions from sewer pipes to cleanouts at grade. Install piping so cleanouts open in direction of flow in sewer pipe.

   1. Install per detail on drawings.

B. Set cleanout frames and covers in concrete pavement and roads with tops flush with pavement surface.

3.6 CONNECTIONS

A. Connect non-pressure, gravity-flow drainage piping to building's sanitary building drains specified in Section 22 13 16 "Sanitary Waste and Vent Piping".

B. Make connections to existing manhole per (and in the presence of) the Municipal Authority.

3.7 IDENTIFICATION

A. Comply with requirements in Section 31 20 00 "Earth Moving" for underground utility identification devices. Arrange for installation of green warning tapes directly over piping and at outside edges of underground manholes.

   1. Use detectable warning tape over nonferrous piping and over edges of underground manholes.

3.8 FIELD QUALITY CONTROL

A. Inspect interior of piping to determine whether line displacement or other damage has occurred. Inspect after approximately 24 inches of backfill is in place, and again at completion of Project.

1. Submit separate report for each system inspection.
2. Defects requiring correction include the following:

    a. Alignment: Less than full diameter of inside of pipe is visible between structures.
    b. Deflection: Flexible piping with deflection that prevents passage of ball or cylinder of size not less than 92.5 percent of piping diameter.
    c. Damage: Crushed, broken, cracked, or otherwise damaged piping.
    d. Infiltration: Water leakage into piping.
    e. Exfiltration: Water leakage from or around piping.

3. Replace defective piping using new materials and repeat inspections until defects are within allowances specified.
4. Reinspect and repeat procedure until results are satisfactory.

B. Test new piping systems, and parts of existing systems that have been altered, extended, or repaired, for leaks and defects.

1. Do not enclose, cover, or put into service before inspection and approval.
2. Test completed piping systems according to requirements of authorities having jurisdiction.
3. Schedule tests and inspections by authorities having jurisdiction with at least 24 hours' advance notice.
4. Submit separate report for each test.
5. Hydrostatic Tests: Test sanitary sewerage according to requirements of authorities having jurisdiction and the following:

    a. Fill sewer piping with water. Test with pressure of at least 10-foot head of water and maintain such pressure without leakage for at least 15 minutes.
    b. Close openings in system and fill with water.
    c. Purge air and refill with water.
    d. Disconnect water supply.
    e. Test and inspect joints for leaks.

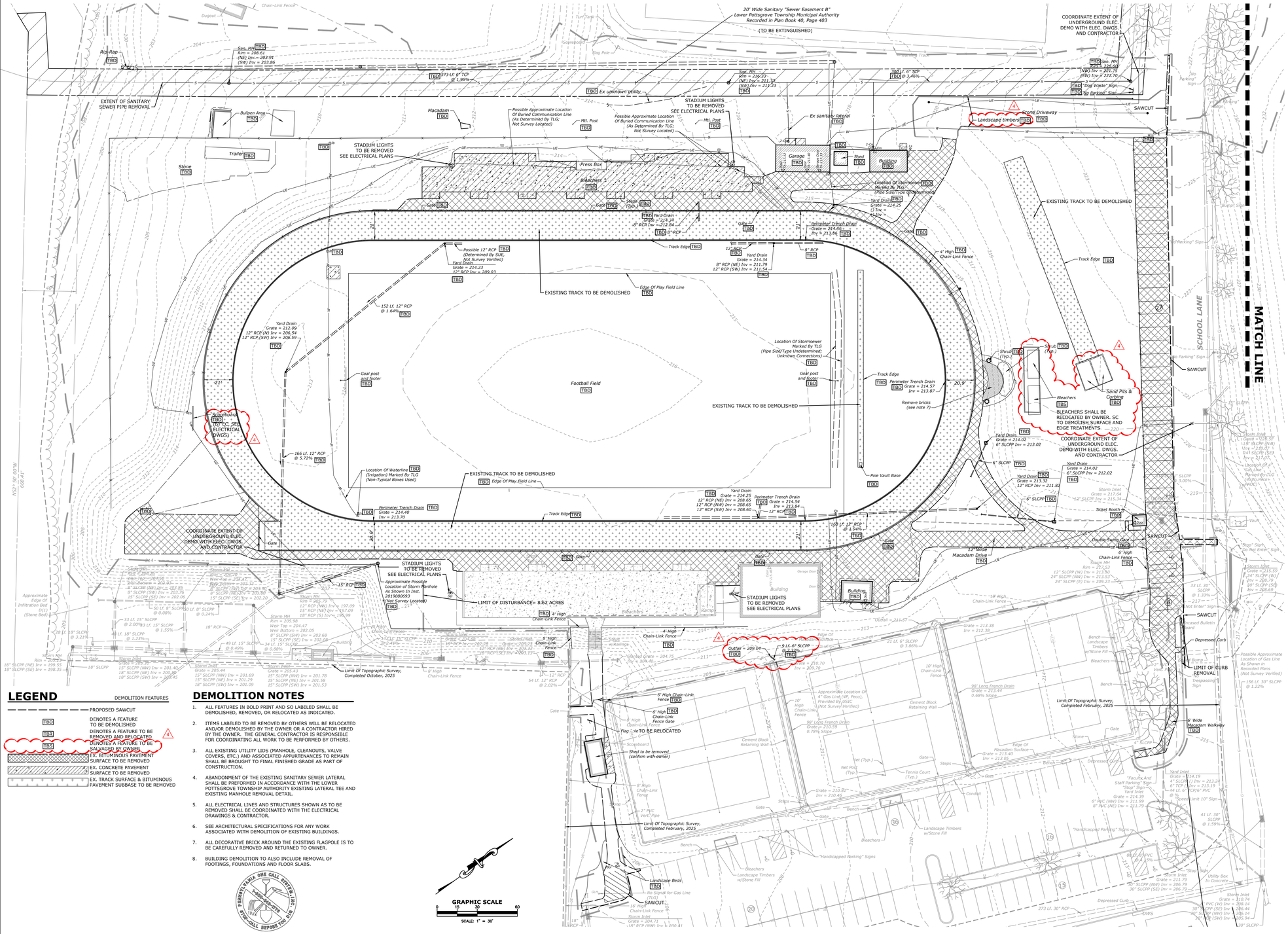
C. Leaks and loss in test pressure constitute defects that must be repaired.

D. Replace leaking piping using new materials, and repeat testing until leakage is within allowances specified.

3.9 CLEANING

A. Clean dirt and superfluous material from interior of piping. Flush with potable water.

END OF SECTION 33 13 13



LEGEND

DEMOLITION FEATURES

- PROPOSED SAWCUT
- TBD — DENOTES A FEATURE TO BE DEMOLISHED
- TBR — DENOTES A FEATURE TO BE REMOVED AND RELOCATED
- TBS — DENOTES A FEATURE TO BE SALVAGED BY OWNER
- EX. BITUMINOUS PAVEMENT SURFACE TO BE REMOVED
- EX. CONCRETE PAVEMENT SURFACE TO BE REMOVED
- EX. TRACK SURFACE & BITUMINOUS PAVEMENT SUBBASE TO BE REMOVED

DEMOLITION NOTES

1. ALL FEATURES IN BOLD PRINT AND SO LABELED SHALL BE DEMOLISHED, REMOVED, OR RELOCATED AS INDICATED.
2. ITEMS LABELED TO BE REMOVED BY OTHERS WILL BE RELOCATED AND/OR DEMOLISHED BY THE OWNER OR A CONTRACTOR HIRED BY THE OWNER. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL WORK TO BE PERFORMED BY OTHERS.
3. ALL EXISTING UTILITY LIDS (MANHOLE, CLEANOUTS, VALVE COVERS, ETC.) AND ASSOCIATED APPURTENANCES TO REMAIN SHALL BE BROUGHT TO FINAL FINISHED GRADE AS PART OF CONSTRUCTION.
4. ABANDONMENT OF THE EXISTING SANITARY SEWER LATERAL SHALL BE PREFORMED IN ACCORDANCE WITH THE LOWER POTTSGROVE TOWNSHIP AUTHORITY EXISTING LATERAL TEE AND EXISTING MANHOLE REMOVAL DETAIL.
5. ALL ELECTRICAL LINES AND STRUCTURES SHOWN AS TO BE REMOVED SHALL BE COORDINATED WITH THE ELECTRICAL DRAWINGS & CONTRACTOR.
6. SEE ARCHITECTURAL SPECIFICATIONS FOR ANY WORK ASSOCIATED WITH DEMOLITION OF EXISTING BUILDINGS.
7. ALL DECORATIVE BRICK AROUND THE EXISTING FLAGPOLE IS TO BE CAREFULLY REMOVED AND RETURNED TO OWNER.
8. BUILDING DEMOLITION TO ALSO INCLUDE REMOVAL OF FOOTINGS, FOUNDATIONS AND FLOOR SLABS.

PENNSYLVANIA ONE CALL SYSTEM, INC. — 1-800-242-1776 — IT'S THE LAW — STOP — CALL BEFORE YOU DIG

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

STAMP

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

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GKO ARCHITECTS

POTTSGROVE HIGH SCHOOL FACILITY AND ATHLETIC IMPROVEMENTS

1345 KAUFFMAN RD, POTTSTOWN, PA 19464

REVISIONS	
BID SET	10/21/2026
1 ADDENDUM 4	11/16/2026

DRAWN BY	RES
REVIEWED BY	
JOB #	2665

SHEET TITLE

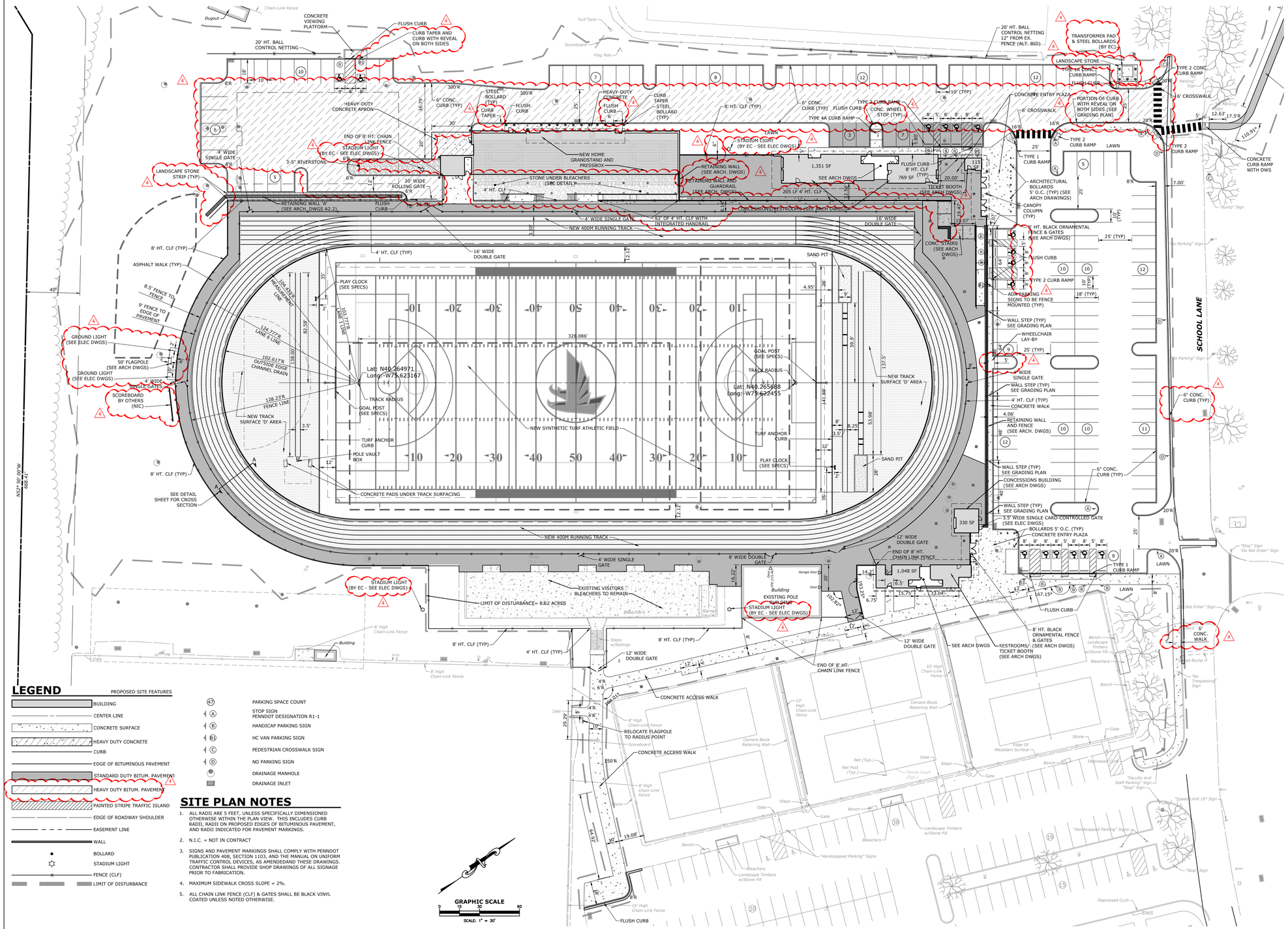
DEMOLITION PLAN

SHEET #

C-102

SCALE	AS NOTED
DATE	10-21-2026

DRAWING SIZE: 30 X 42



LEGEND

PROPOSED SITE FEATURES

- BUILDING
- CENTER LINE
- CONCRETE SURFACE
- HEAVY DUTY CONCRETE
- CURB
- EDGE OF BITUMINOUS PAVEMENT
- STANDARD DUTY BITUM. PAVEMENT
- HEAVY DUTY BITUM. PAVEMENT
- PAINTED STRIPE TRAFFIC ISLAND
- EDGE OF ROADWAY SHOULDER
- EASEMENT LINE
- WALL
- BOLLARD
- STADIUM LIGHT
- FENCE (CLF)
- LIMIT OF DISTURBANCE

- (47) PARKING SPACE COUNT
- (A) STOP SIGN PENNDOT DESIGNATION R1-1
- (B) HANDICAP PARKING SIGN
- (B1) HC VAN PARKING SIGN
- (C) PEDESTRIAN CROSSWALK SIGN
- (D) NO PARKING SIGN
- DRAINAGE MANHOLE
- DRAINAGE INLET

SITE PLAN NOTES

1. ALL RADII ARE 5 FEET, UNLESS SPECIFICALLY DIMENSIONED OTHERWISE WITHIN THE PLAN VIEW. THIS INCLUDES CURB RADII, RADII ON PROPOSED EDGES OF BITUMINOUS PAVEMENT, AND RADII INDICATED FOR PAVEMENT MARKINGS.
2. N.I.C. = NOT IN CONTRACT
3. SIGNS AND PAVEMENT MARKINGS SHALL COMPLY WITH PENNDOT PUBLICATION 408, SECTION 1103, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, AS AMENDEDAND THESE DRAWINGS. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF ALL SIGNAGE PRIOR TO FABRICATION.
4. MAXIMUM SIDEWALK CROSS SLOPE = 2%.
5. ALL CHAIN LINK FENCE (CLF) & GATES SHALL BE BLACK VINYL COATED UNLESS NOTED OTHERWISE.

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

DRAWING SIZE: 30 X 42

STAMP

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

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GKO ARCHITECTS

POTTSGROVE HIGH SCHOOL FACILITY AND ATHLETIC IMPROVEMENTS

1345 KAUFFMAN RD, POTTSTOWN, PA 19464

REVISIONS	
BID SET	10/21/2026
ADDENDUM #1	11/16/2026
DRAWN BY	RES
REVIEWED BY	
JOB #	2665

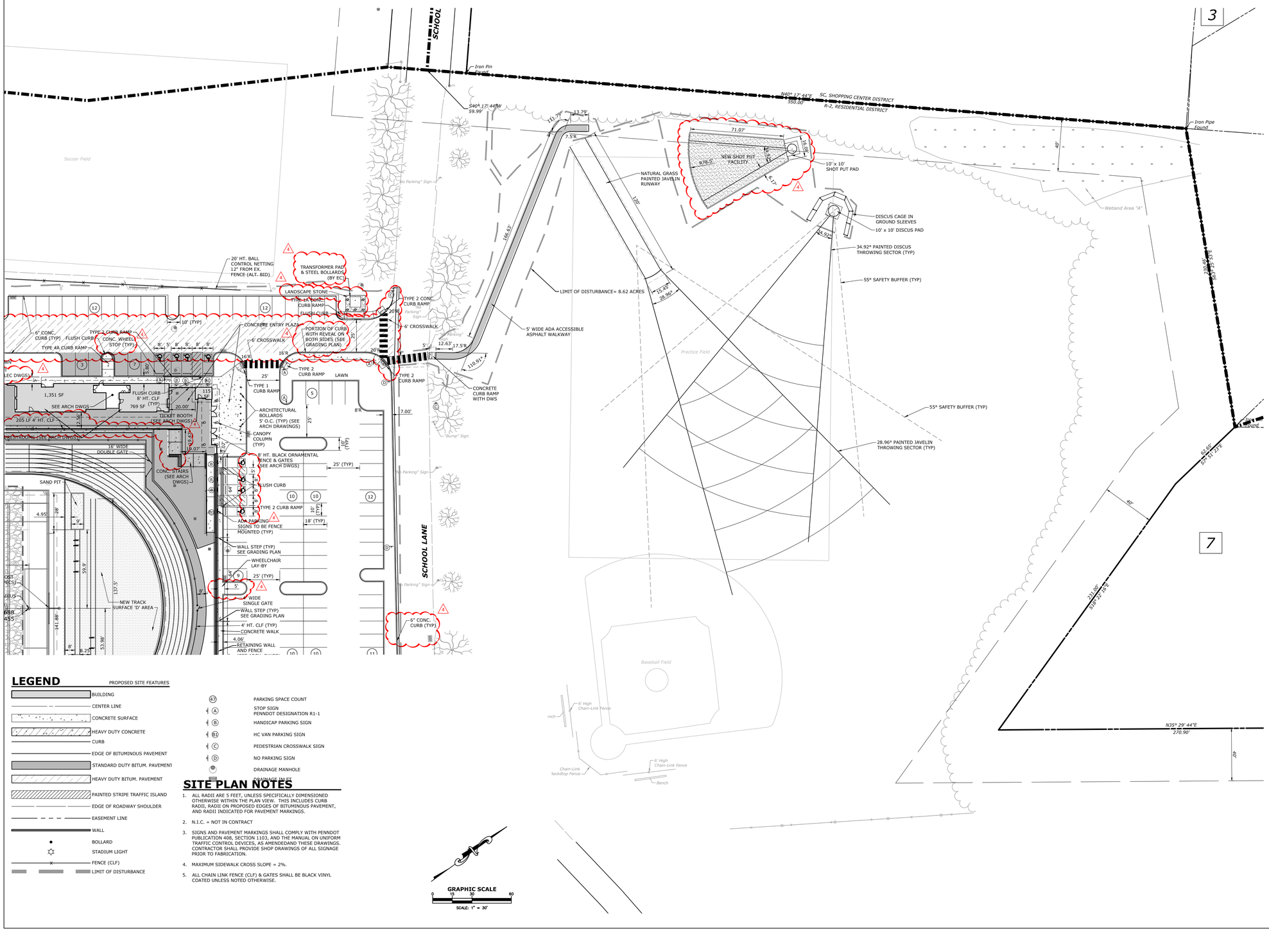
SHEET TITLE

SITE LAYOUT PLAN

SHEET #

C-103

SCALE	AS NOTED
DATE	10-21-2026



LEGEND

PROPOSED SITE FEATURES

- BUILDING
- CENTER LINE
- CONCRETE SURFACE
- HEAVY DUTY CONCRETE
- CURB
- EDGE OF BITUMINOUS PAVEMENT
- STANDARD DUTY BITUM. PAVEMENT
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- LIMIT OF DISTURBANCE

- (47) PARKING SPACE COUNT
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- (C) PEDESTRIAN CROSSWALK SIGN
- (D) NO PARKING SIGN
- DRAINAGE MANHOLE
- DRAINAGE INLET

SITE PLAN NOTES

1. ALL RADII ARE 5 FEET, UNLESS SPECIFICALLY DIMENSIONED OTHERWISE WITHIN THE PLAN VIEW. THIS INCLUDES CURB RADII. RADII ON PROPOSED EDGES OF BITUMINOUS PAVEMENT, AND RADII INDICATED FOR PAVEMENT MARKINGS.
2. N.I.C. = NOT IN CONTRACT
3. SIGNS AND PAVEMENT MARKINGS SHALL COMPLY WITH PENNDOT PUBLICATION 408, SECTION 1103, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, AS AMENDEDAND THESE DRAWINGS. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF ALL SIGNAGE PRIOR TO FABRICATION.
4. MAXIMUM SIDEWALK CROSS SLOPE = 2%.
5. ALL CHAIN LINK FENCE (CLF) & GATES SHALL BE BLACK VINYL COATED UNLESS NOTED OTHERWISE.

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

DRAWING SIZE: 30 X 42

STAMP

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

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K&W SINCE 2005
2201 North Front Street, Suite 200
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300 Brookside Avenue
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Ambler, PA 19002
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GKO ARCHITECTS

POTTSGROVE HIGH SCHOOL FACILITY AND ATHLETIC IMPROVEMENTS

1345 KAUFFMAN RD, POTTSTOWN, PA 19464

REVISIONS	
BID SET	10/21/2026
ADDENDUM 4	11/16/2026
DRAWN BY	RES
REVIEWED BY	
JOB #	2665

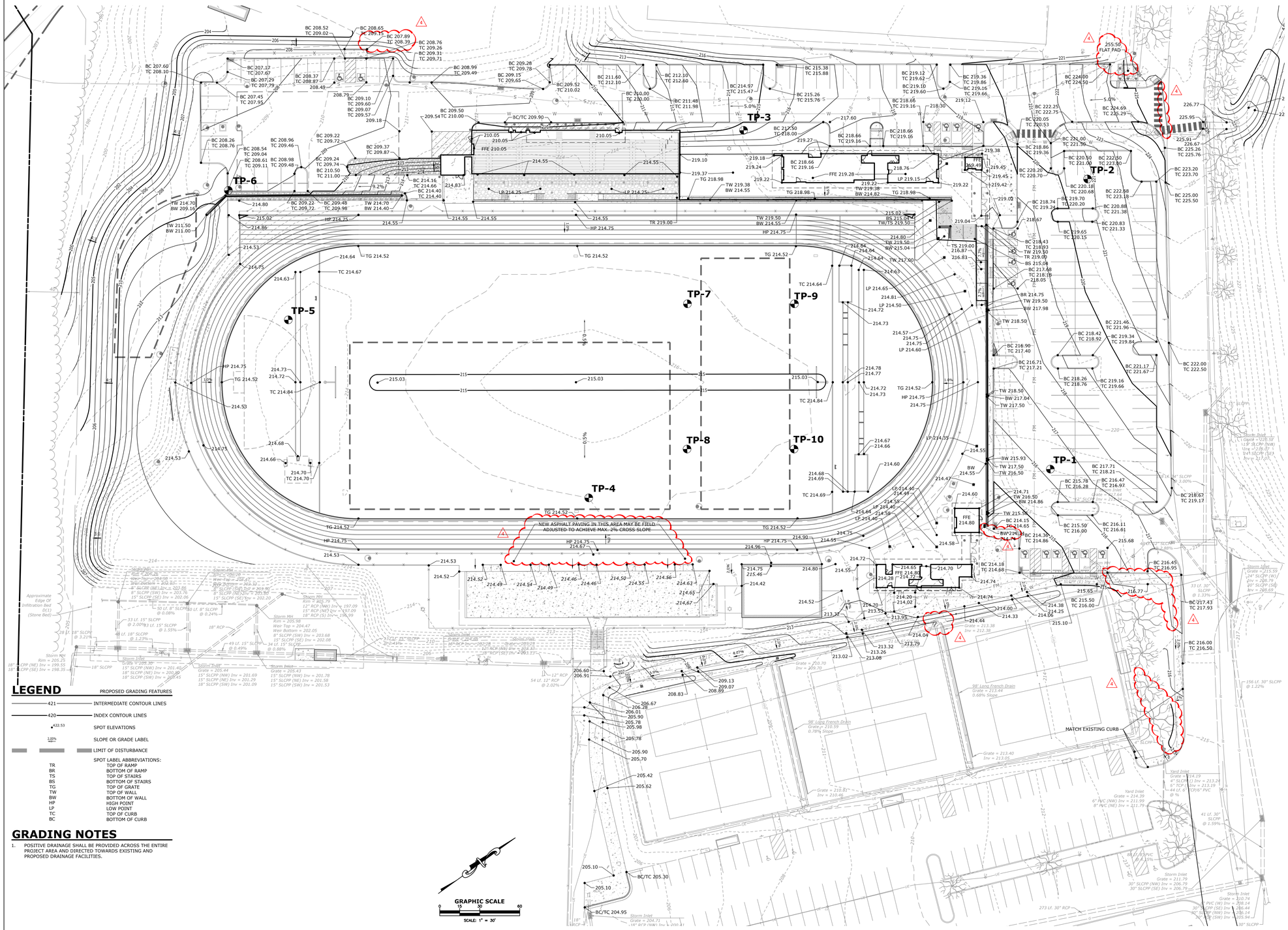
SHEET TITLE

SITE LAYOUT PLAN

SHEET #

C-103.1

SCALE	AS NOTED
DATE	10-21-2026



LEGEND

PROPOSED GRADING FEATURES

- 421 — INTERMEDIATE CONTOUR LINES
- 420 — INDEX CONTOUR LINES
- 422.53 — SPOT ELEVATIONS
- 3.00% — SLOPE OR GRADE LABEL
- LIMIT OF DISTURBANCE

SPOT LABEL ABBREVIATIONS:

TR	TOP OF RAMP
BR	BOTTOM OF RAMP
TS	TOP OF STAIRS
BS	BOTTOM OF STAIRS
TG	TOP OF GRATE
TW	TOP OF WALL
BW	BOTTOM OF WALL
HP	HIGH POINT
LP	LOW POINT
TC	TOP OF CURB
BC	BOTTOM OF CURB

GRADING NOTES

1. POSITIVE DRAINAGE SHALL BE PROVIDED ACROSS THE ENTIRE PROJECT AREA AND DIRECTED TOWARDS EXISTING AND PROPOSED DRAINAGE FACILITIES.

DRAWING SIZE: 30 X 42

STAMP

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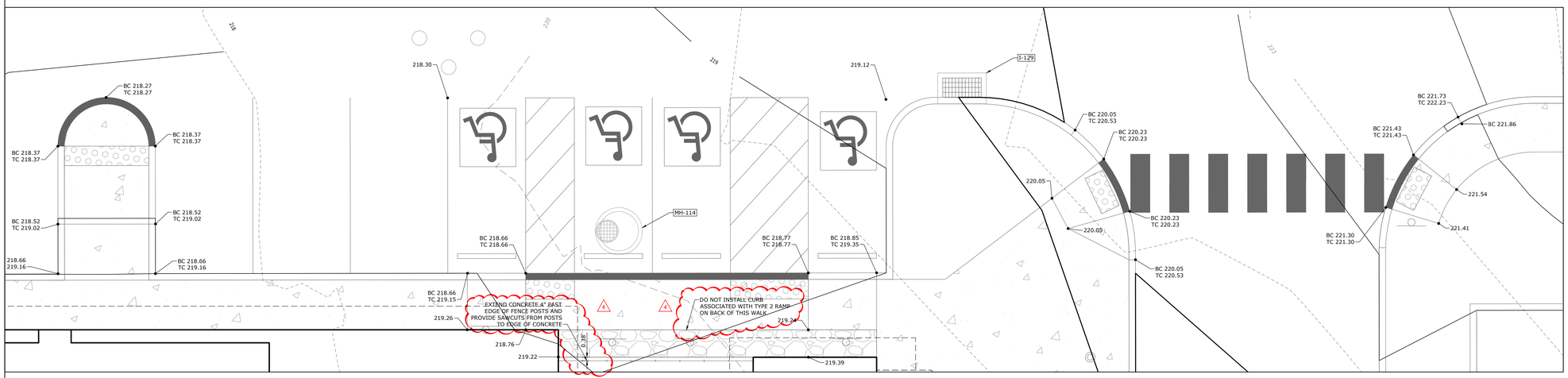
SHEET TITLE

GRADING PLAN

SHEET #

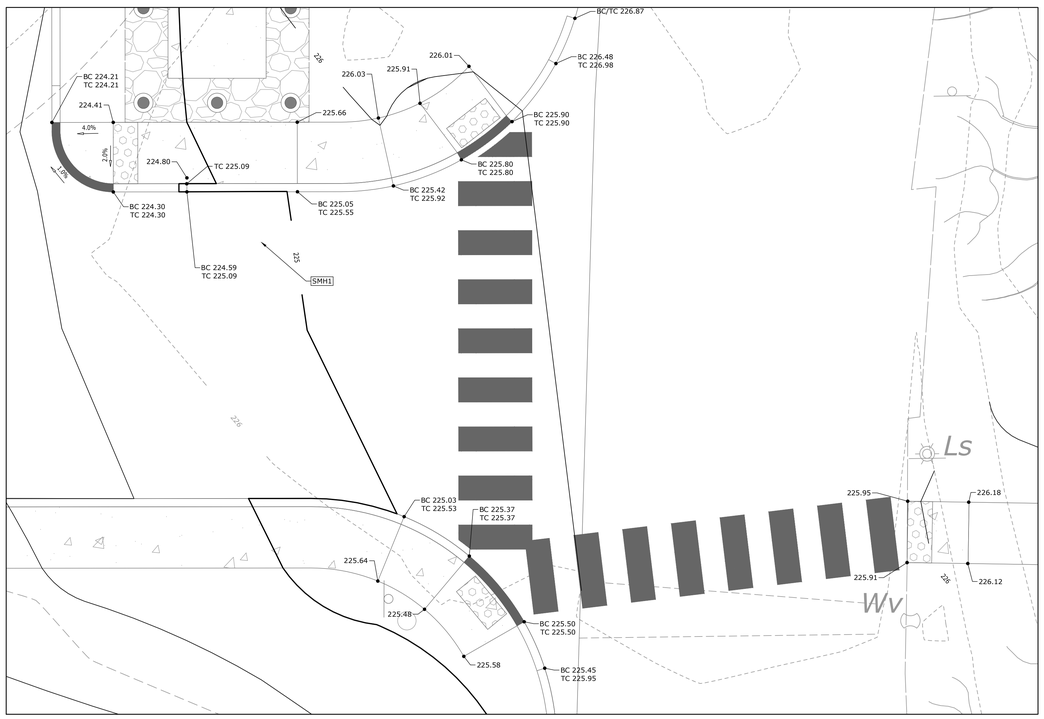
C-104

SCALE	AS NOTED
DATE	10-21-2026



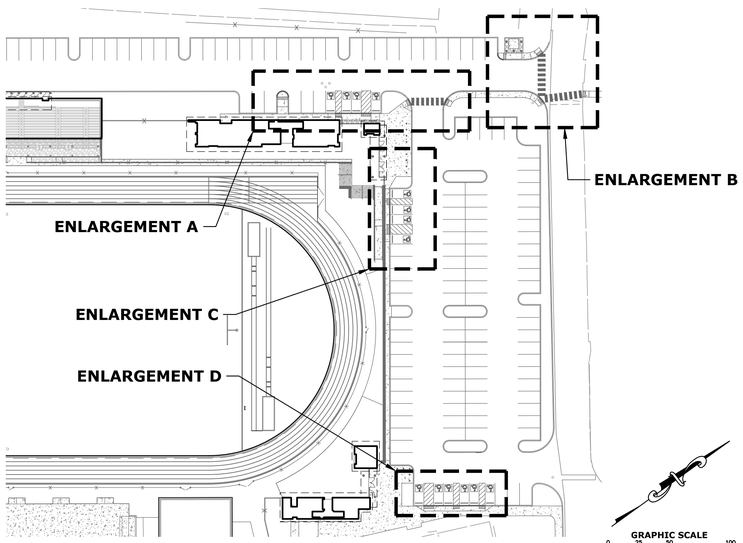
ENLARGEMENT A

1" = 5'



ENLARGEMENT B

1" = 5'



DRAWING SIZE: 30 X 42

STAMP

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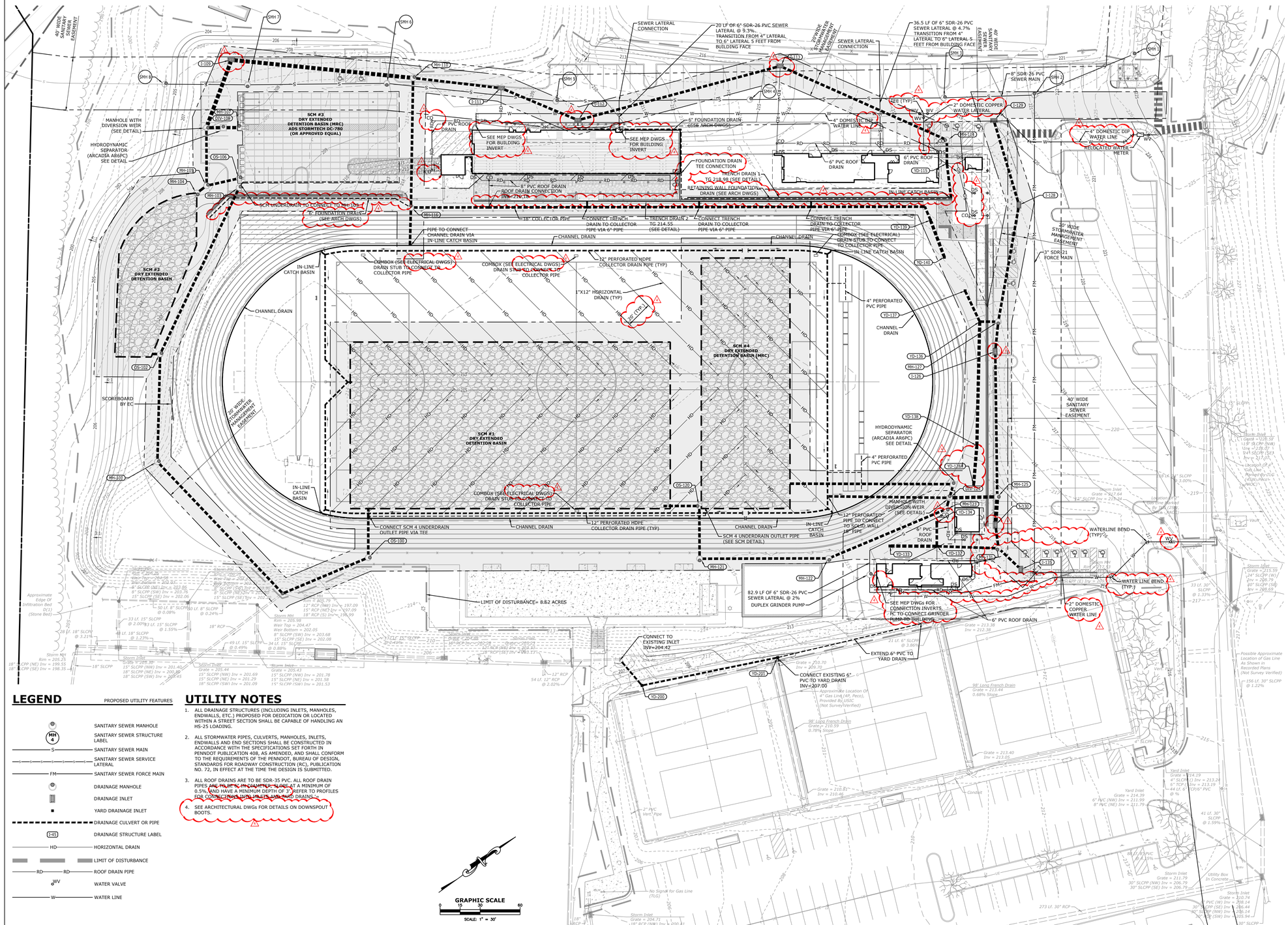
SHEET TITLE

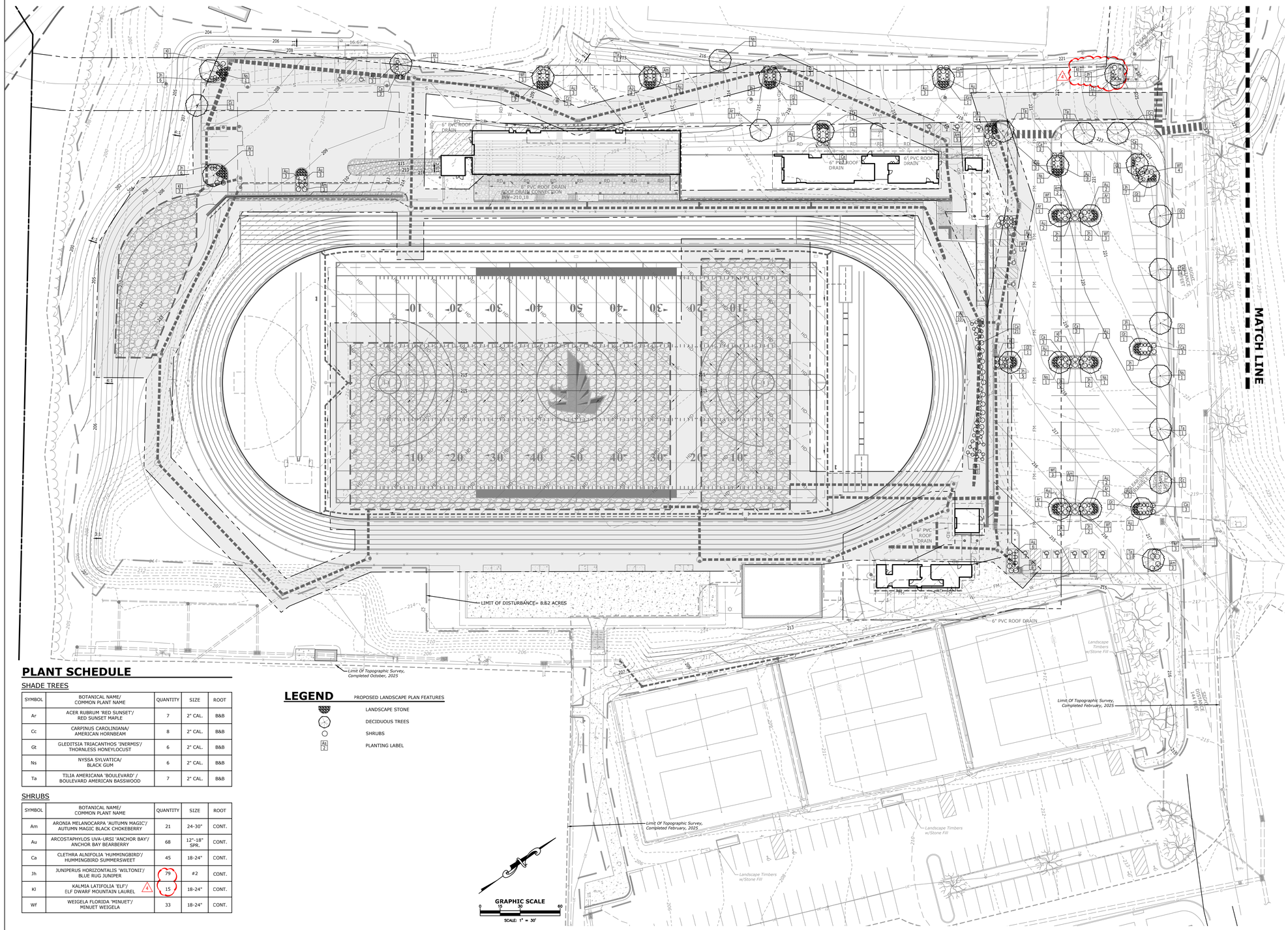
CURB RAMP ENLARGEMENTS

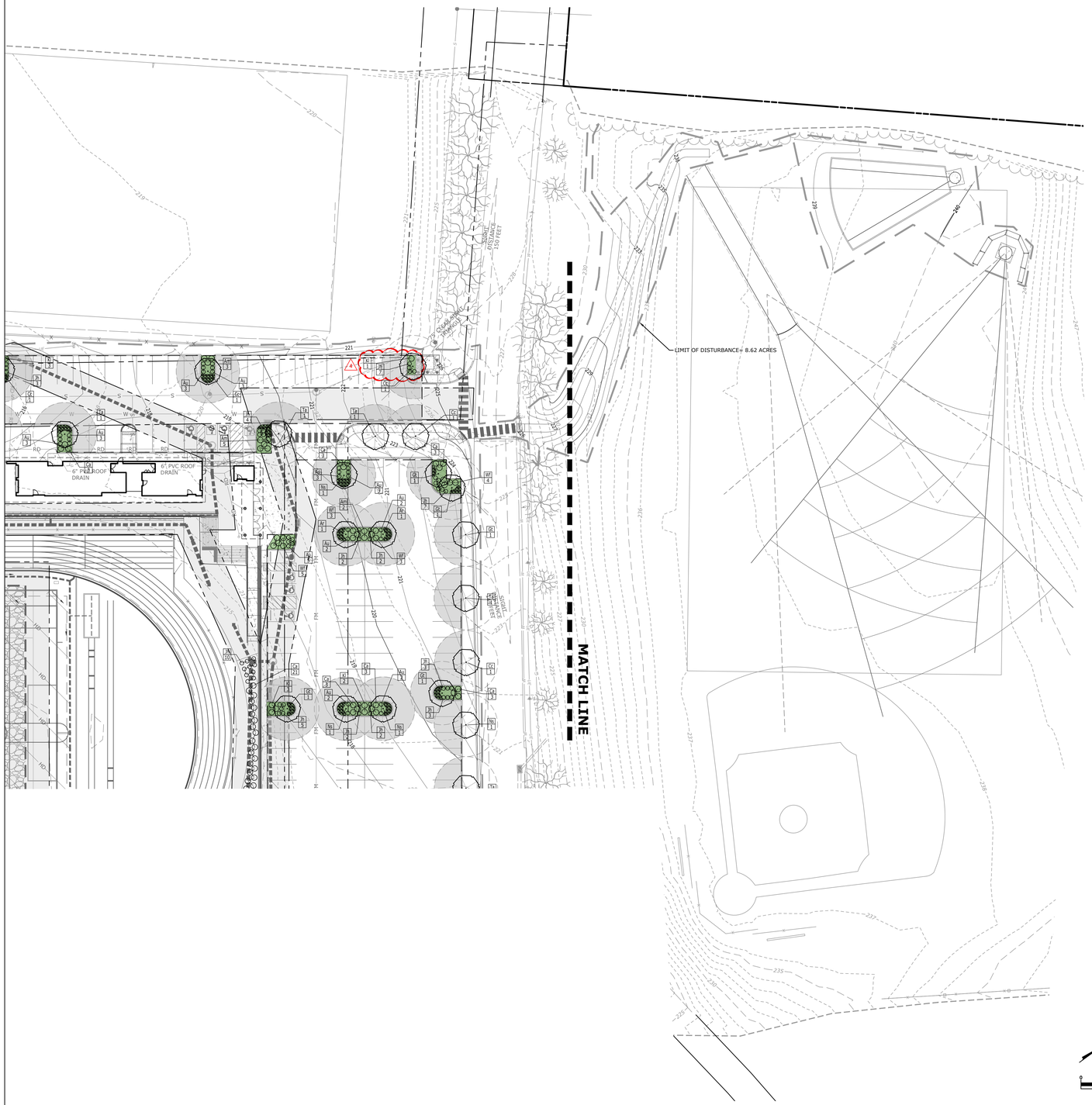
SHEET #

C-104.2

SCALE	AS NOTED
DATE	10-21-2026


SCM #3
DRY EXTENDED
DETENTION BASIN (MRC)
ADS STORMTECH DC-780
(OR APPROVED EQUAL)
SCM #2
DRY EXTENDED
DETENTION BASIN
SCM #4
DRY EXTENDED
DETENTION BASIN (MRC)
SCM #1
DRY EXTENDED
DETENTION BASIN
MANHOLE WITH
DIVERSION WEIR
(SEE DETAIL)
HYDRODYNAMIC
SEPARATOR
(ARCADIA AR6PC)
SEE DETAIL
SCM UNDERDRAIN TO CONNECT TO MH-104
6" FOUNDATION DRAIN
(SEE ARCH DWGS)
PIPE TO CONNECT
CHANNEL DRAIN VIA
IN-LINE CATCH BASIN
IN-LINE
CATCH BASIN
CHANNEL DRAIN
COMBOX (SEE ELECTRICAL DWGS)
DRAIN STUB TO CONNECT TO
COLLECTOR PIPE
32" PERFORATED HDPE
COLLECTOR DRAIN PIPE (TYP)
1"X12" HORIZONTAL
DRAIN (TYP)
20' (TYP.)
SCOREBOARD
BY EC
20' WIDE
STORMWATER
MANAGEMENT
EASEMENT
CONNECT SCM 4 UNDERDRAIN
OUTLET PIPE VIA TEE
CHANNEL DRAIN
12" PERFORATED HDPE
COLLECTOR DRAIN PIPE (TYP)
SCM 4 UNDERDRAIN OUTLET PIPE
(SEE SCM DETAIL)
IN-LINE
CATCH
BASIN
LIMIT OF DISTURBANCE= 8.62 ACRES
82.9 LF OF 6" SDR-26 PVC
SEWER LATERAL @ 2%
DUPLEX GRINDER PUMP
CONNECT TO
EXISTING INLET
INV=204.42
CONNECT EXISTING 6"
PVC TO YARD DRAIN
INV=207.00
EXTEND 6" PVC TO
YARD DRAIN
SEWER LATERAL
CONNECTION
20 LF OF 6" SDR-26 PVC SEWER
LATERAL @ 9.3%,
TRANSITION FROM 4" LATERAL
TO 6" LATERAL 5 FEET FROM
BUILDING FACE
10' WIDE
STORMWATER
MANAGEMENT
EASEMENT
36.5 LF OF 6" SDR-26 PVC
SEWER LATERAL @ 4.7%
TRANSITION FROM 4"
LATERAL TO 6" LATERAL 5
FEET FROM BUILDING FACE
40' WIDE
SANITARY
SEWER
EASEMENT
8" SDR-26 PVC
SEWER MAIN
2" DOMESTIC COPPER
WATER LATERAL
4" DOMESTIC DIP
WATER LINE
RELOCATED WATER
METER
6" PVC ROOF
DRAIN
FOUNDATION DRAIN
TEE CONNECTION
TRENCH DRAIN 1
TG 218.98 (SEE DETAIL)
RETAINING WALL FOUNDATION
DRAIN (SEE ARCH DWGS)
IN-LINE CATCH BASIN
SEE MEP DWGS
FOR BUILDING
INVERT
6" FOUNDATION DRAIN
(SEE ARCH DWGS)
4" DOMESTIC DIP
WATER LINE
6" PVC ROOF
DRAIN
8" PVC ROOF DRAIN
ROOF DRAIN CONNECTION
INV= 214.18
TRENCH DRAIN 2
TG 214.55
(SEE DETAIL)
CONNECT TRENCH
DRAIN TO COLLECTOR
PIPE VIA 6" PIPE
CONNECT TRENCH
DRAIN TO COLLECTOR
PIPE VIA 6" PIPE
COMBOX (SEE ELECTRICAL)
DRAIN STUB TO CONNECT
TO COLLECTOR PIPE
IN-LINE CATCH BASIN
4" PERFORATED
PVC PIPE
CHANNEL
DRAIN
4" PERFORATED
PVC PIPE
HYDRODYNAMIC
SEPARATOR
(ARCADIA AR5PC)
SEE DETAIL
MANHOLE WITH
DIVERSION WEIR
(SEE DETAIL)
12" PERFORATED
PIPE TO CONNECT
TO SCM 4 WALL
18" PIPE
6" PVC
ROOF
DRAIN
WATERLINE BEND
(TYP.)
WATER LINE BEND
(TYP.)
2" DOMESTIC
COPPER
WATER LINE
SEE MEP DWGs FOR
CONNECTION INVERTS
TO CONNECT GRINDER
PUMP TO PHILRING
6" PVC ROOF DRAIN
40' WIDE
SANITARY
SEWER
EASEMENT
20' WIDE
STORMWATER
MANAGEMENT
EASEMENT
3" SDR-21
FORCE MAIN
Approximate
Edge Of
Infiltration Bed
(Stone Bed)
Storm Inlet
Grade = 205.30
15" SLCPP (NW) Inv = 201.40
18" SLCPP (NE) Inv = 200.99
18" SLCPP (SW) Inv = 200.45
Storm MH
Rim = 205.25
18" SLCPP (NE) Inv = 199.55
18" SLCPP (SE) Inv = 198.35
Storm Inlet
Grade = 205.44
15" SLCPP (NW) Inv = 201.69
15" SLCPP (NE) Inv = 201.29
18" SLCPP (SW) Inv = 201.09
Storm Inlet
Grade = 205.43
15" SLCPP (NW) Inv = 201.78
15" SLCPP (NE) Inv = 201.58
15" SLCPP (SW) Inv = 201.53
Storm Inlet
Grade = 204.71
18" RCP (NW) Inv = 200.41
Storm Inlet
Grade = 210.70
Inv = 209.70
Grade = 213.38
Inv = 212.38
Grade = 213.40
Inv = 213.05
Grade = 210.81
Inv = 210.46
Yard Inlet
Grade = 214.39
6" PVC (NW) Inv = 211.99
8" PVC (NE) Inv = 211.79
Yard Inlet
Grade = 214.19
4" SLCPP (E) Inv = 213.24
6" TCP (SW) = 213.19
44 Lf. 6" SLCPP/6" PVC
@ 1%
Storm Inlet
Grade = 211.79
30" SLCPP (NW) Inv = 206.79
30" SLCPP (SE) Inv = 206.79
Storm Inlet
Grade = 210.74
30" SLCPP (W) Inv = 208.14
30" SLCPP (SE) Inv = 206.44
30" SLCPP (NW) Inv = 206.14
30" SLCPP (SW) Inv = 205.94
Storm Inlet
Grade = 215.59
24" SLCPP (W)
Inv = 208.79
30" SLCPP (SE)
Inv = 208.69
Storm Inlet
Grade = 217.64
24" SLCPP Inv = 213.34
Storm Inlet
Grade = 214.19
12" SLCPP Inv = 210.19
98' Long French Drain
Grade = 213.44
0.68% Slope
98' Long French Drain
Grade = 210.59
0.78% Slope
Approximate Location Of
4" Gas Line(4ft. Peco).
Provided By USIC
(Not Surveyverified)
Possible Approximate
Location of Gas Line
As Shown in
Recorded Plans
(Not Survey Verified)
156 Lf. 30" SLCPP
@ 1.22%
Location Of 4"
Gas Line
Marked By USIC
(4/5/21, Ticket #
20211060422)
Location Of 4"
Gas Line
Marked By USIC
(4/5/21, Ticket #
20211060422)
Utility Box
In Concrete
Vault
Conduit
2" PVC
Vent Pipe
No Signal for Gas Line
(TLG)
Approximate Location Of
4" Gas Line(4ft. Peco).
Provided By USIC
(Not Surveyverified)
Storm Inlet
Grade = 214.19
4" SLCPP (E) Inv = 213.24
6" TCP (SW) = 213.19
44 Lf. 6" SLCPP/6" PVC
@ 1%
41 Lf. 30"
SLCPP
@ 1.59%
84 Lf. 8" PVC
@ 4.16%
273 Lf. 30" RCP
54 Lf. 12" RCP
@ 2.02%
12" RCP
18" RCP
18" SLCPP
33 Lf. 15" SLCPP
@ 2.00%
83 Lf. 15" SLCPP
@ 1.55%
44 Lf. 18" SLCPP
@ 1.23%
50 Lf. 8" SLCPP
@ 0.08%
49 Lf. 15" SLCPP
@ 0.49%
34 Lf. 15" SLCPP
@ 0.08%
50 Lf. 8" SLCPP
@ 0.24%
44 Lf. 18" SLCPP
@ 3.21%
127 Lf. 15" SLCPP
@ 2.41%
Storm Inlet
Grade = 205.30
8" SLCPP (NE) Inv = 203.06
8" SLCPP (SW) Inv = 203.70
15" SLCPP (SE) Inv = 202.06
Storm Inlet
Rim = 205.30
Weir Top = 204.67
8" SLCPP (NE) Inv = 203.06
8" SLCPP (SW) Inv = 203.70
15" SLCPP (SE) Inv = 202.06
Storm MH
Rim = 205.58
Weir Top = 204.47
Weir Bottom = 202.05
8" SLCPP (SW) Inv = 203.68
15" SLCPP (SE) Inv = 202.08
Storm MH
Rim = 205.58
Weir Top = 204.47
Weir Bottom = 202.05
8" SLCPP (SW) Inv = 203.68
15" SLCPP (SE) Inv = 202.08
Storm Inlet
Grade = 205.30
12" RCP (NW) Inv = 197.09
15" RCP (NE) Inv = 197.09
18" RCP (S) Inv = 196.99
Storm Inlet
Grade = 205.30
12" RCP (NW) Inv = 197.09
15" RCP (NE) Inv = 197.09
18" RCP (S) Inv = 196.99
Storm MH
Rim = 205.58
Weir Top = 204.47
Weir Bottom = 202.05
8" SLCPP (SW) Inv = 203.68
15" SLCPP (SE) Inv = 202.08
18" RCP (NE) Inv = 201.13
Storm Inlet
Grade = 205.30
8" SLCPP (NE) Inv = 203.06
8" SLCPP (SW) Inv = 203.70
15" SLCPP (SE) Inv = 202.06


MATCH LINE
LIMIT OF DISTURBANCE= 8.62 ACRES
6" PVC ROOF DRAIN
8" PVC ROOF DRAIN
ROOF DRAIN CONNECTION
INV=210.18
Limit Of Topographic Survey, Completed October, 2025
Limit Of Topographic Survey, Completed February, 2025
Limit Of Topographic Survey, Completed February, 2025
Landscape Timbers w/Stone Fill
Landscape Timbers w/Stone Fill
Landscape Timbers w/Stone Fill
SLOPE PAVED WITH CONCRETE
SLOPE PAVED WITH CONCRETE
SLOPE PAVED WITH CONCRETE



LEGEND

PROPOSED LANDSCAPE PLAN FEATURES

- LANDSCAPE STONE
- DECIDUOUS TREES
- SHRUBS
- PLANTING LABEL (Ac 2)

LANDSCAPE NOTES

1. REFER TO PROJECT SPECIFICATIONS FOR PLANTING REQUIREMENTS (4)

PLANT SCHEDULE

SHADE TREES

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT
Ar	ACER RUBRUM 'RED SUNSET'/ RED SUNSET MAPLE	7	2" CAL.	B&B
Cc	CARPINUS CAROLINIANA/ AMERICAN HORNBEAM	8	2" CAL.	B&B
Gt	GLEDITSIA TRIACANTHOS 'INERMIS'/ THORNLESS HONEYLOCUST	6	2" CAL.	B&B
Ns	NYSSA SYLVATICA/ BLACK GUM	6	2" CAL.	B&B
Ta	TILIA AMERICANA 'BOULEVARD' / BOULEVARD AMERICAN BASSWOOD	7	2" CAL.	B&B

SHRUBS

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT
Am	ARONIA MELANOCARPA 'AUTUMN MAGIC'/ AUTUMN MAGIC BLACK CHOKEBERRY	21	24-30"	CONT.
Au	ARCOSTAPHYLOS UVA-URSI 'ANCHOR BAY'/ ANCHOR BAY BEARBERRY	68	12"-18" SPR.	CONT.
Ca	CLETHRA ALNIFOLIA 'HUMMINGBIRD'/ HUMMINGBIRD SUMMERSWEET	45	18-24"	CONT.
Jh	JUNIPERUS HORIZONTALIS 'WILTONII'/ BLUE RUG JUNIPER	79	#2	CONT.
Kl	KALMIA LATIFOLIA 'ELF'/ ELF DWARF MOUNTAIN LAUREL (4)	15	18-24"	CONT.
Wf	WEIGELA FLORIDA 'MINUET'/ MINUET WEIGELA	33	18-24"	CONT.

SEED MIX

1. ALL DISTURBED AREAS TO BE SEEDED WITH:
   TRIPLE A TALL FESCUE MIX (21 LBS/1,000SF)
   33.0% IMPROVED TURF-TYPE TALL FESCUE
   33.0% IMPROVED TURF-TYPE TALL FESCUE
   34.0% IMPROVED TURF-TYPE TALL FESCUE

ABOVE SEED MIX TO BE SUPPLIED BY:
JACKLIN SEED
33477 HIGHWAY 99E
P.O. BOX 239
TANGENT, OR 97389
800-547-4101

OR APPROVED EQUAL

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

STAMP

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REVIEWED BY	
JOB #	2665

SHEET TITLE

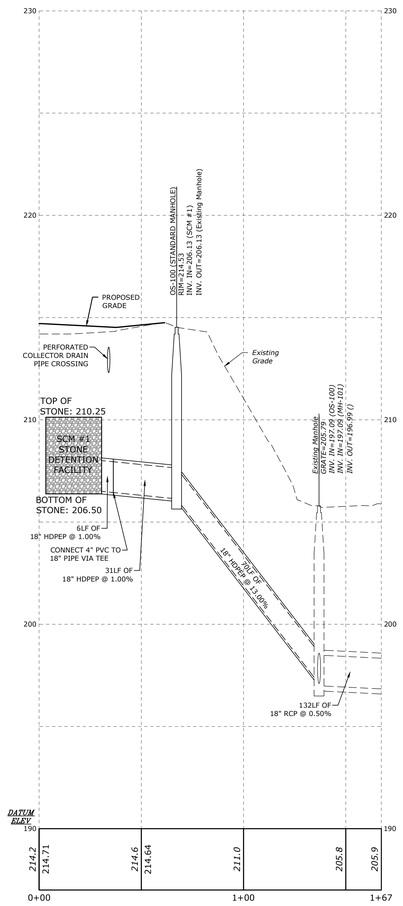
LANDSCAPE PLAN

SHEET #

C-107.1

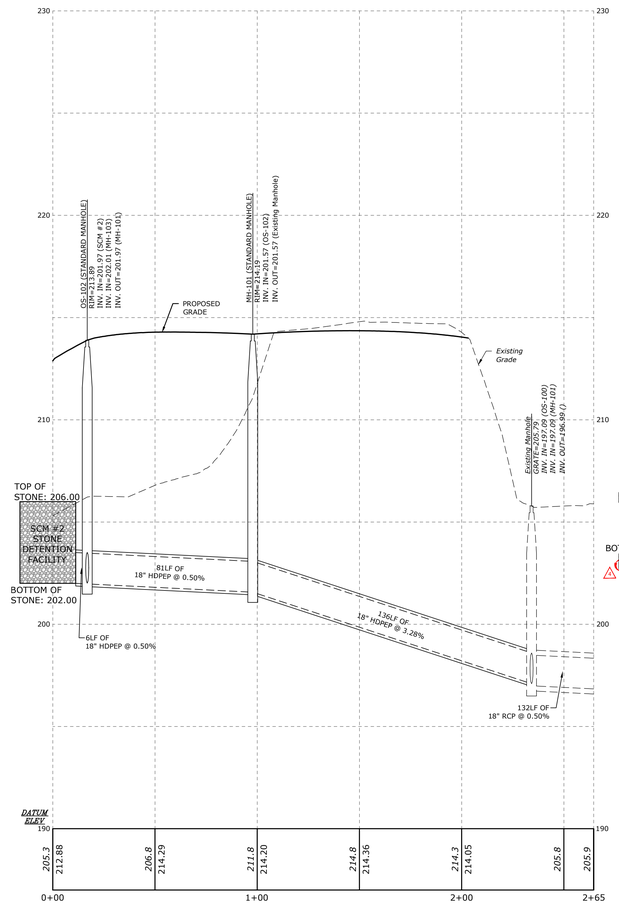
SCALE	AS NOTED
DATE	10-21-2026

DRAWING SIZE: 30 X 42



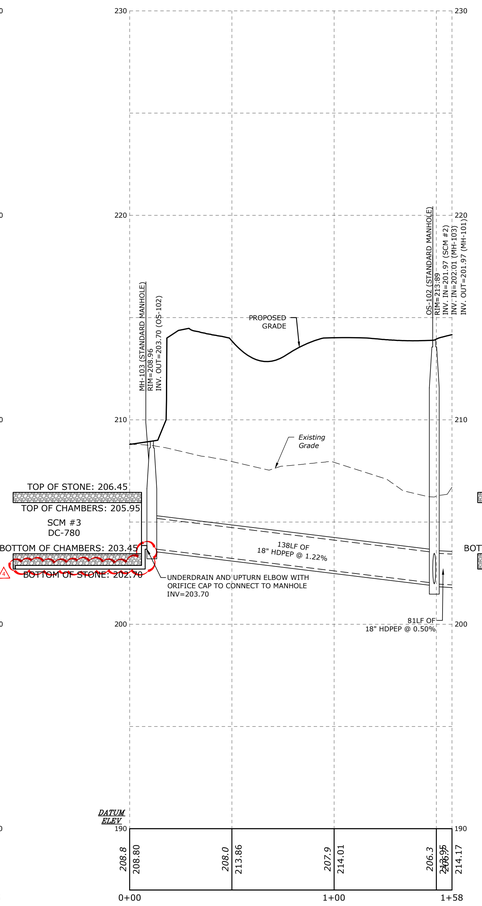
OS-100 TO EXISTING STORM LINE

HORZ. SCALE: 1"=30'
VERT. SCALE: 1"= 3'



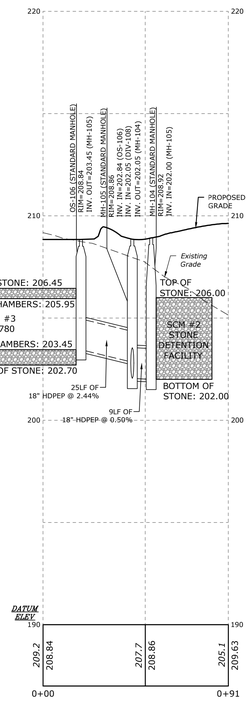
OS-102 TO EXISTING STORM LINE

HORZ. SCALE: 1"=30'
VERT. SCALE: 1"= 3'



MH-103 TO OS-102

HORZ. SCALE: 1"=30'
VERT. SCALE: 1"= 3'



OS-106 TO MH-104

HORZ. SCALE: 1"=30'
VERT. SCALE: 1"= 3'

GRAPHIC SCALE

HORIZONTAL

0 15 30 60

SCALE: 1" = 30'

VERTICAL

0 1.5 3 6

SCALE: 1" = 3'

DRAWING SIZE: 30 X 42

STAMP

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DRAWN BY	RES
REVIEWED BY	
JOB #	2665

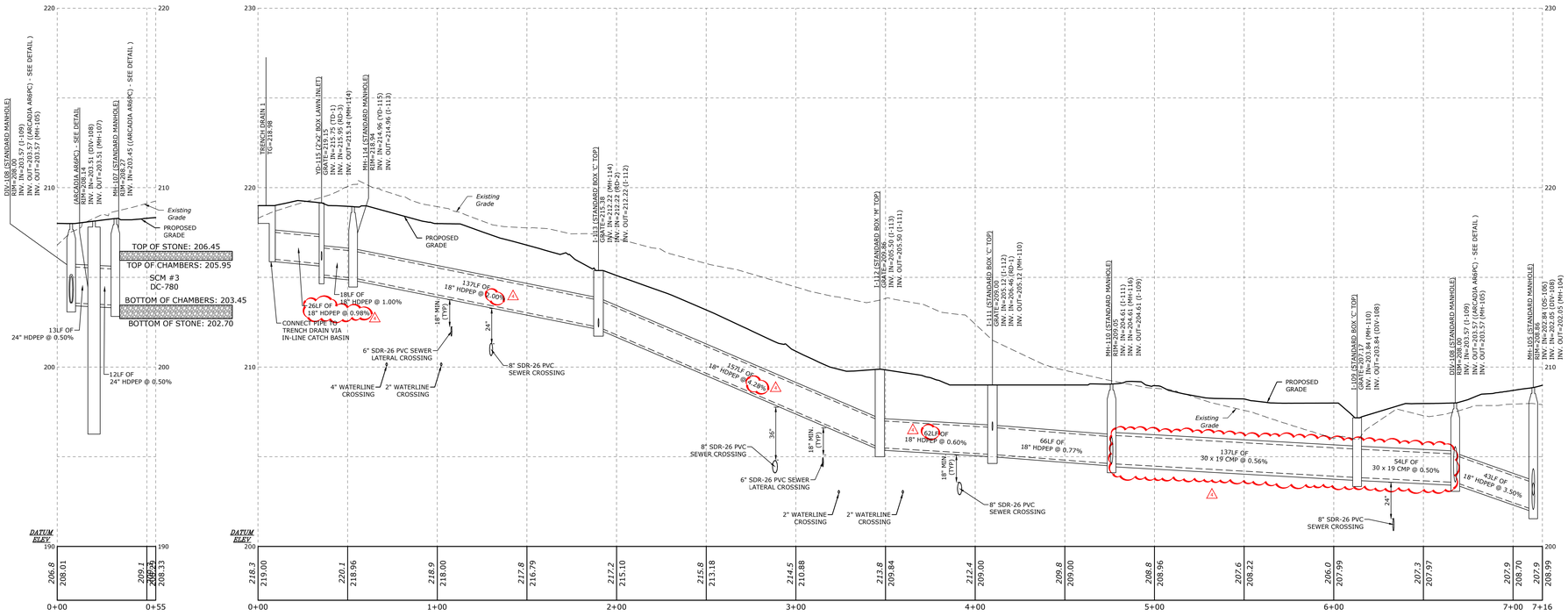
SHEET TITLE

STORMWATER PROFILES

SHEET #

C-301

SCALE	AS NOTED
DATE	10-21-2026



GRAPHIC SCALE

HORIZONTAL

0 15 30 60

SCALE: 1" = 30'

VERTICAL

0 1.5 3 6

SCALE: 1" = 3'

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POTTSGROVE HIGH SCHOOL FACILITY AND ATHLETIC IMPROVEMENTS

1345 KAUFFMAN RD, POTTSTOWN, PA 19464

REVISIONS	
BID SET	10/21/2026
1 ADDENDUM 4	11/16/2026

DRAWN BY	RES
REVIEWED BY	
JOB #	2665

SHEET TITLE

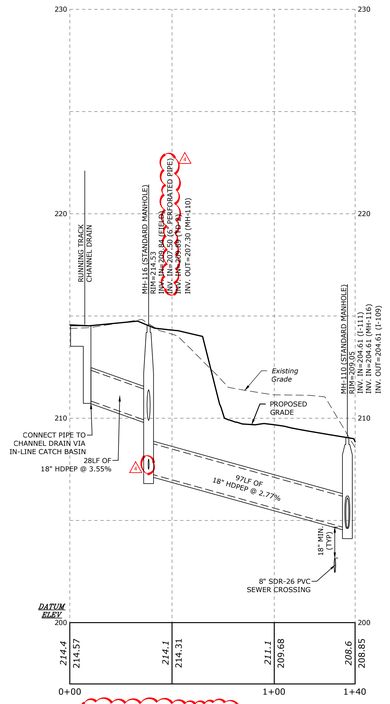
STORMWATER PROFILES

SHEET #

C-302

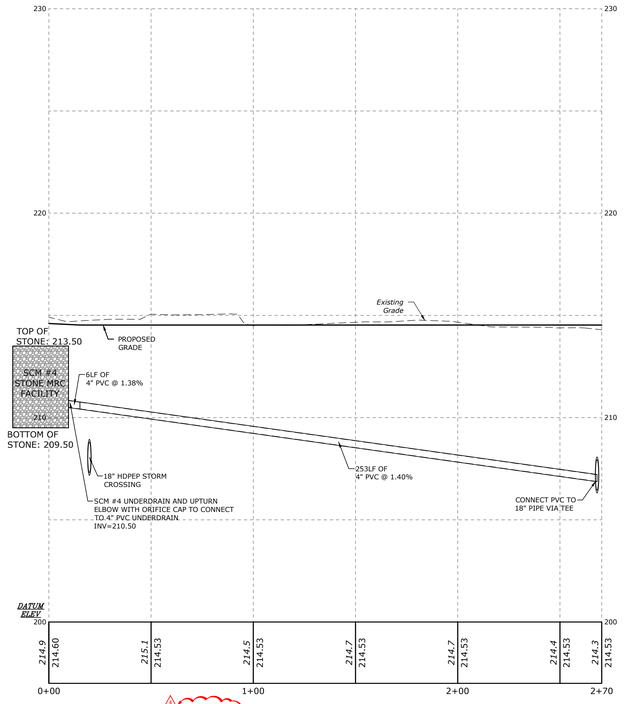
SCALE	AS NOTED
DATE	10-21-2026

DRAWING SIZE: 30 X 42



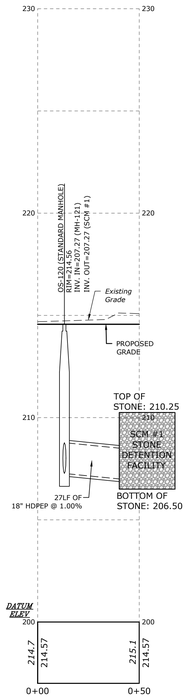
CHANNEL DRAIN TO MH-110

HORZ. SCALE: 1"=30'
VERT. SCALE: 1"= 3'



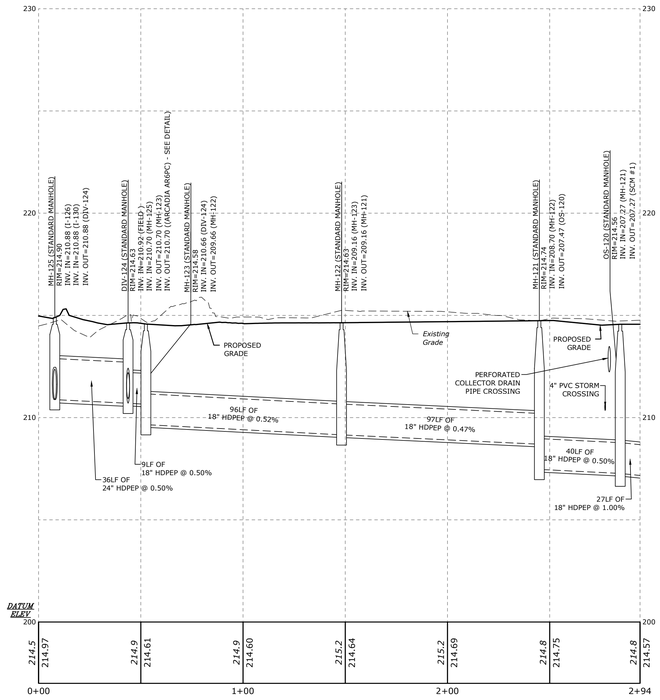
SCM 4 UNDERDRAIN OUTLET PIPE

HORZ. SCALE: 1"=30'
VERT. SCALE: 1"= 3'



OS-120 TO SCM 1

HORZ. SCALE: 1"=30'
VERT. SCALE: 1"= 3'



MH-125 TO OS-120

HORZ. SCALE: 1"=30'
VERT. SCALE: 1"= 3'

GRAPHIC SCALE

HORIZONTAL

0 15 30 60

SCALE: 1" = 30'

VERTICAL

0 1.5 3 6

SCALE: 1" = 3'

DRAWING SIZE: 30 X 42

STAMP

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

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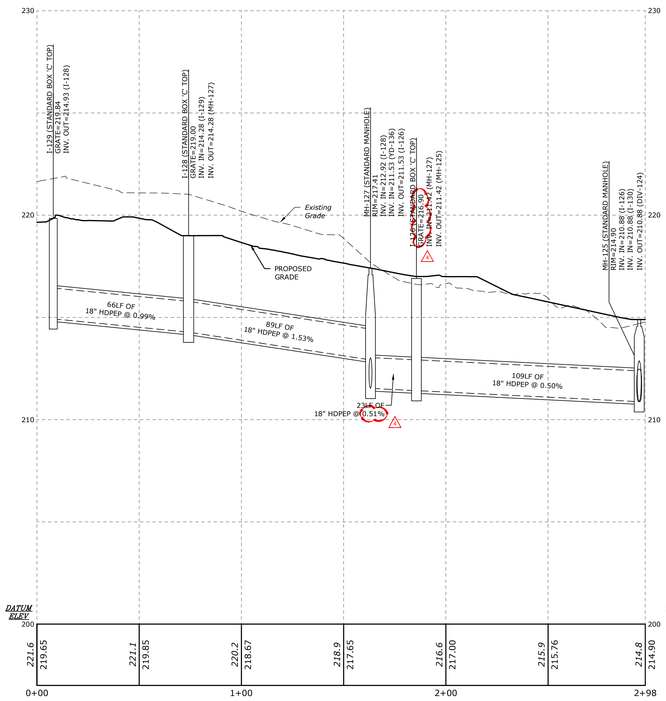
SHEET TITLE

STORMWATER PROFILES

SHEET #

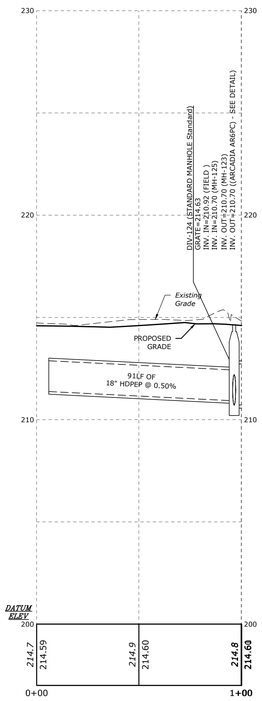
C-303

SCALE	AS NOTED
DATE	10-21-2026



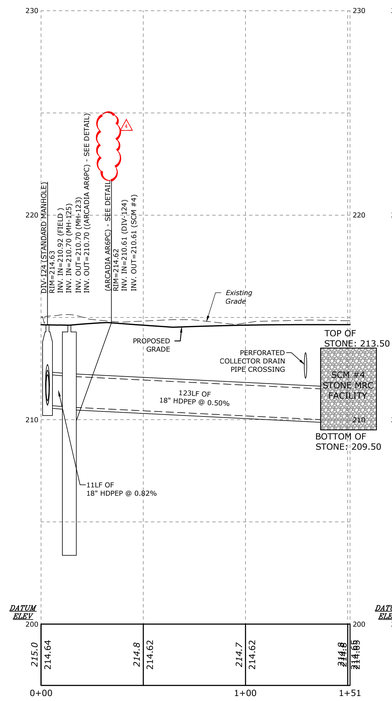
I-129 TO MH-125

HORZ. SCALE: 1"=30'
VERT. SCALE: 1"= 3'



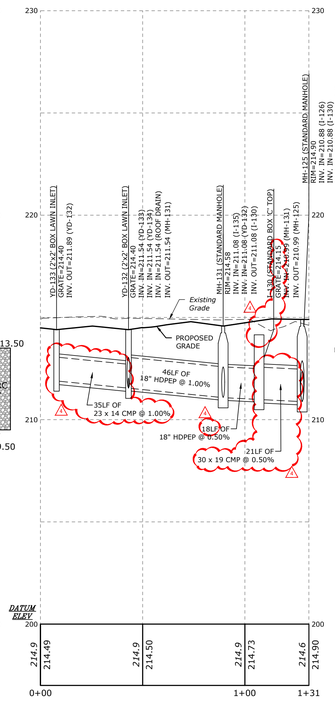
FIELD TO DIV-124

HORZ. SCALE: 1"=30'
VERT. SCALE: 1"= 3'



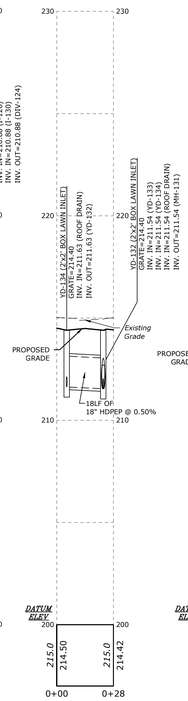
DIV-124 TO SCM 4

HORZ. SCALE: 1"=30'
VERT. SCALE: 1"= 3'



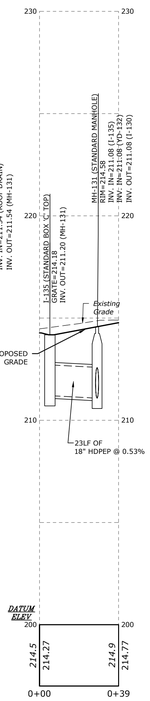
YD-133 TO MH-125

HORZ. SCALE: 1"=30'
VERT. SCALE: 1"= 3'



YD-134 TO YD-132

HORZ. SCALE: 1"=30'
VERT. SCALE: 1"= 3'



I-135 TO MH-131

HORZ. SCALE: 1"=30'
VERT. SCALE: 1"= 3'

GRAPHIC SCALE
HORIZONTAL
0 15 30 60
SCALE: 1" = 30'
VERTICAL
0 1.5 3 6
SCALE: 1" = 3'

COMMONWEALTH OF PENNSYLVANIA
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REVIEWED BY	
JOB #	2665

SHEET TITLE

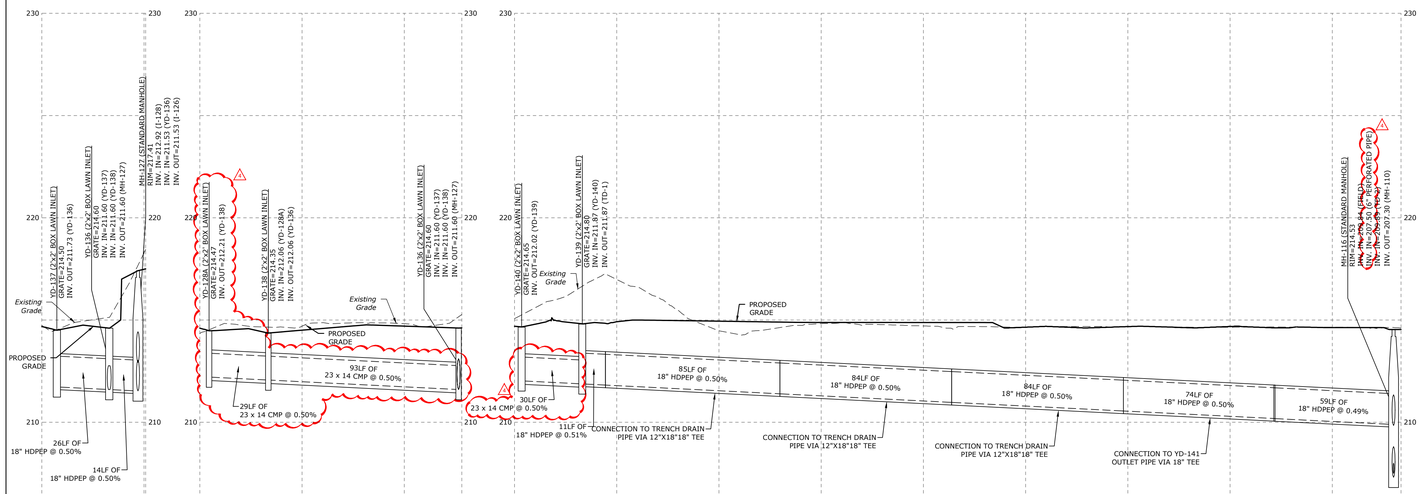
STORMWATER PROFILES

SHEET #

C-304

SCALE	AS NOTED
DATE	10-21-2026

DRAWING SIZE: 30 X 42



YD-137 TO MH-127

HORZ. SCALE: 1"=30'
VERT. SCALE: 1"= 3'

YD-138A YD-136

HORZ. SCALE: 1"=30'
VERT. SCALE: 1"= 3'

YD-140 TO MH-116

HORZ. SCALE: 1"=30'
VERT. SCALE: 1"= 3'

YD-201 TO YD-200

HORZ. SCALE: 1"=30'
VERT. SCALE: 1"= 3'

GRAPHIC SCALE
HORIZONTAL
0 15 30 60
SCALE: 1" = 30'
VERTICAL
0 1.5 3 6
SCALE: 1" = 3'

DRAWING SIZE: 30 X 42

STAMP

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REVIEWED BY	
JOB #	2665

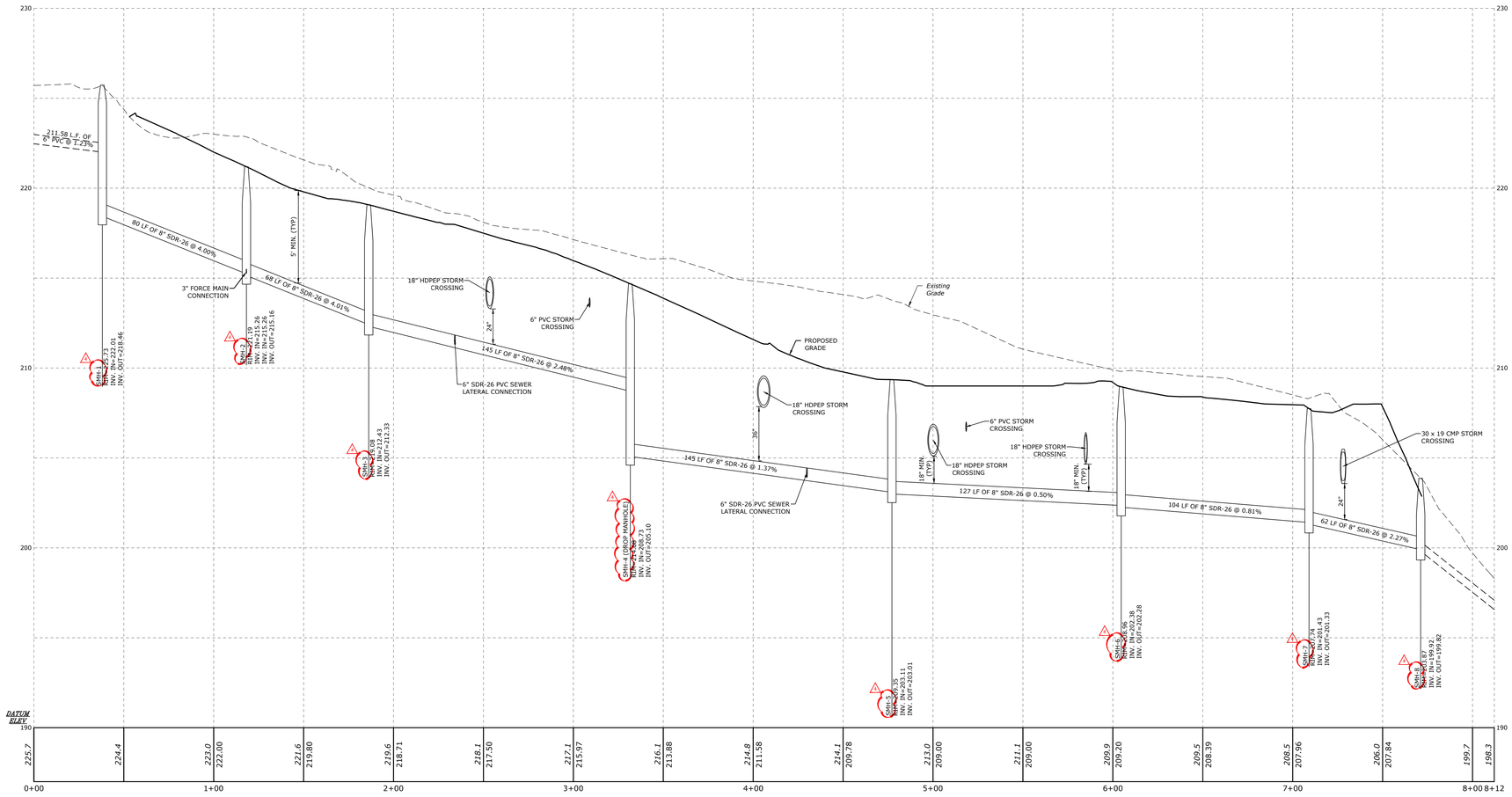
SHEET TITLE

STORMWATER PROFILES

SHEET #

C-305

SCALE	AS NOTED
DATE	10-21-2026



SANITARY SEWER LINE

HORZ. SCALE: 1"=30'
VERT. SCALE: 1"= 3'

GRAPHIC SCALE

HORIZONTAL

0 15 30 60

SCALE: 1" = 30'

VERTICAL

0 1.5 6

SCALE: 1" = 3'

DRAWING SIZE: 30 X 42

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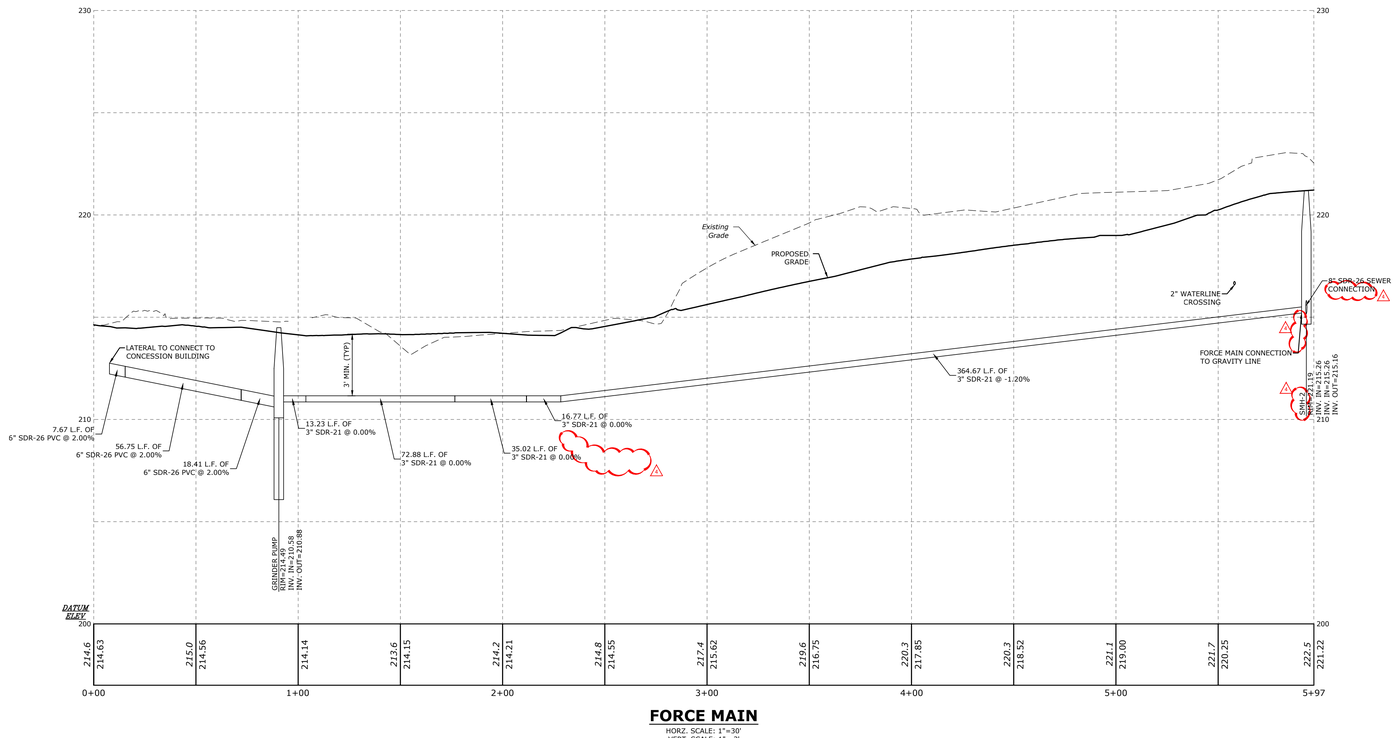
SHEET TITLE

SANITARY SEWER PROFILES

SHEET #

C-401

SCALE	AS NOTED
DATE	10-21-2026



FORCE MAIN

HORZ. SCALE: 1"=30'
VERT. SCALE: 1"= 3'

GRAPHIC SCALE

HORIZONTAL

0 15 30 60

SCALE: 1" = 30'

VERTICAL

0 1.5 3 6

SCALE: 1" = 3'

DRAWING SIZE: 30 X 42

STAMP

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BID SET	10/21/2026
⚠1 ADDENDUM 4	11/16/2026

DRAWN BY	RES
REVIEWED BY	
JOB #	2665

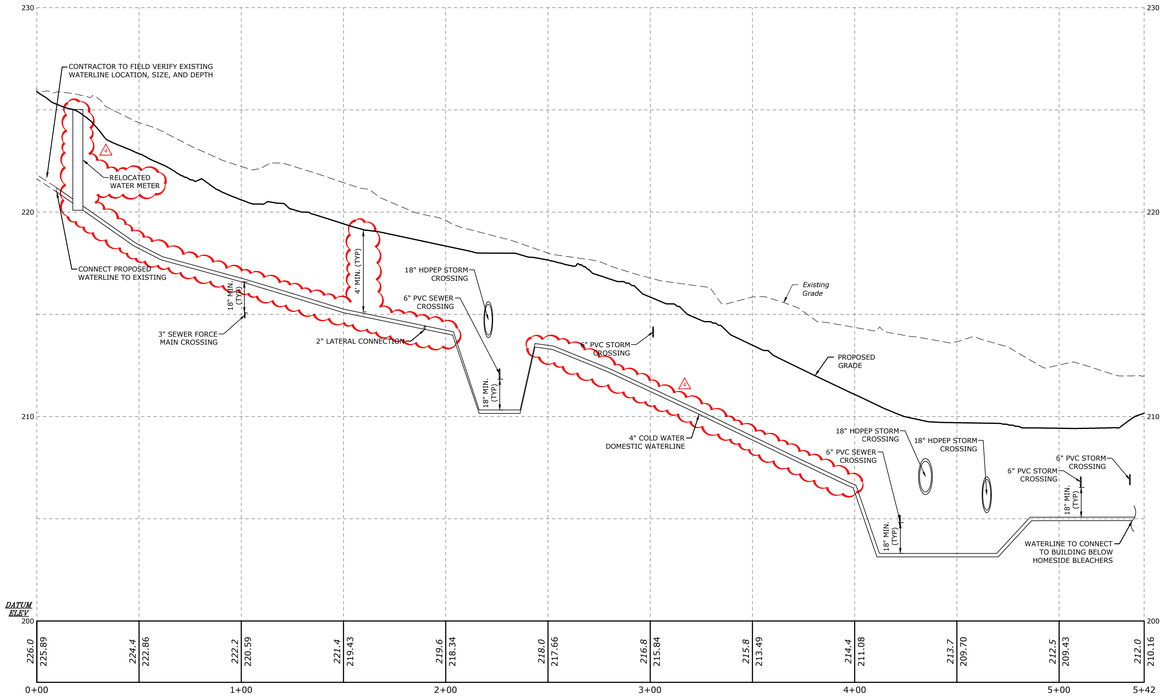
SHEET TITLE

SANITARY SEWER PROFILES

SHEET #

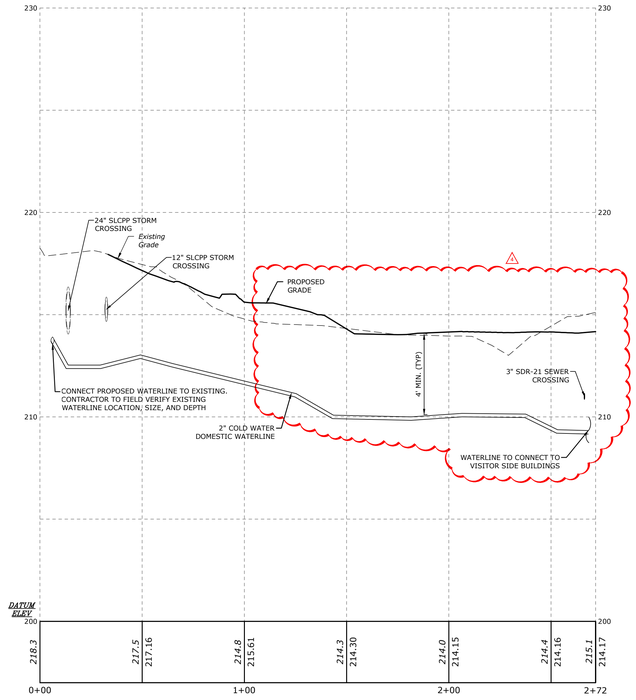
C-402

SCALE	AS NOTED
DATE	10-21-2026



NORTHWESTERN WATERLINE

HORZ. SCALE: 1"=30'
VERT. SCALE: 1"= 3'



NORTHEASTERN WATERLINE

HORZ. SCALE: 1"=30'
VERT. SCALE: 1"= 3'

GRAPHIC SCALE
HORIZONTAL
0 15 30 60
SCALE: 1" = 30'
VERTICAL
0 1.5 3 6
SCALE: 1" = 3'

DRAWING SIZE: 30 X 42

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JOB #	2665

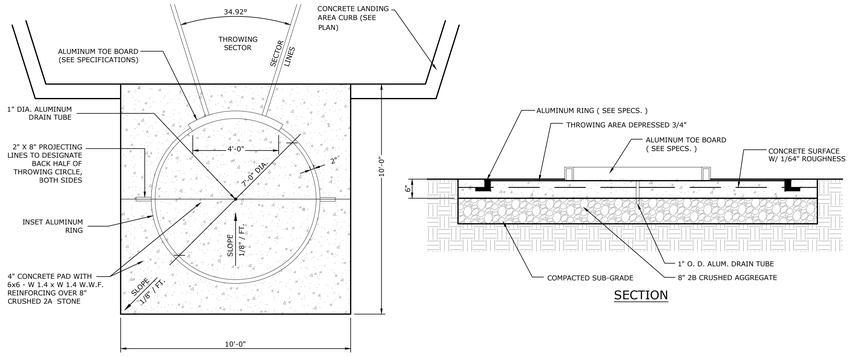
SHEET TITLE

WATERLINE PROFILES

SHEET #

C-403

SCALE	AS NOTED
DATE	10-21-2026

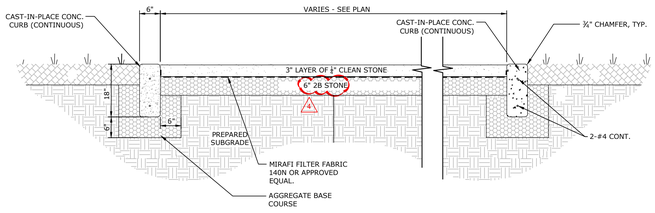


PLAN

SECTION

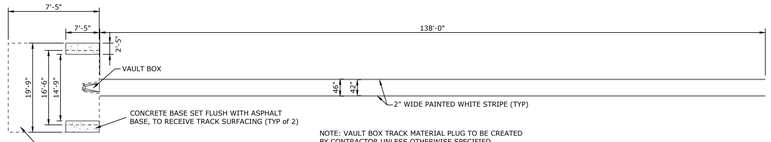
SHOT PUT PAD DETAIL

NOT TO SCALE

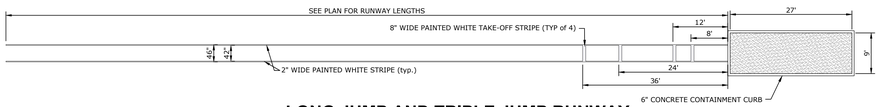


SHOT PUT LANDING AREA

NOT TO SCALE

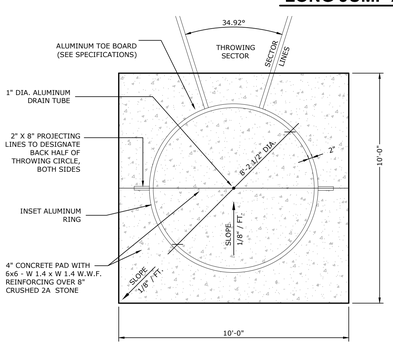


POLE VAULT RUNWAY AND PIT

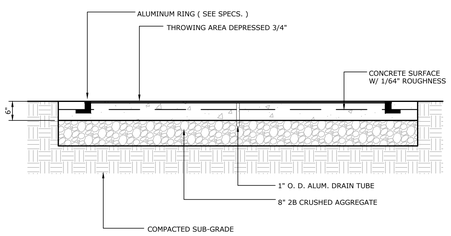


LONG JUMP AND TRIPLE JUMP RUNWAY

NOT TO SCALE



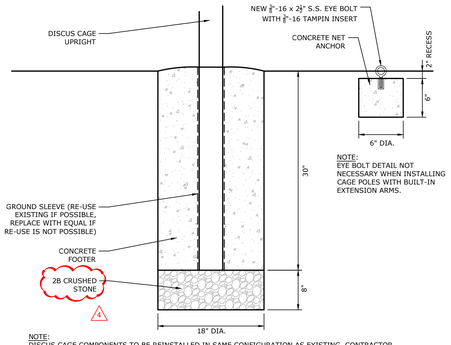
PLAN



SECTION

DISCUS PAD DETAIL

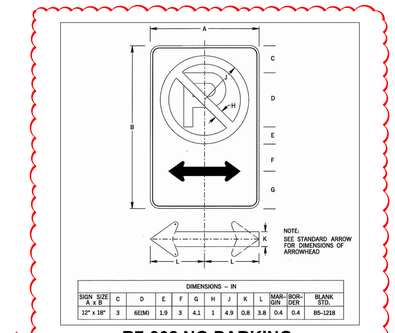
NOT TO SCALE



NOTE:
DISCUS CAGE COMPONENTS TO BE REINSTALLED IN SAME CONFIGURATION AS EXISTING. CONTRACTOR SHALL RECORD ALL DIMENSIONS PRIOR TO REMOVAL AND APPLY SAME TO NEW LOCATION.

DISCUS CAGE FOOTER DETAIL

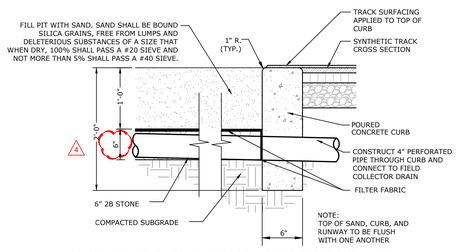
NOT TO SCALE



4

R7-302 NO PARKING SYMBOL / ARROW SIGN

NOT TO SCALE



LONG / TRIPLE JUMP CURB SECTION

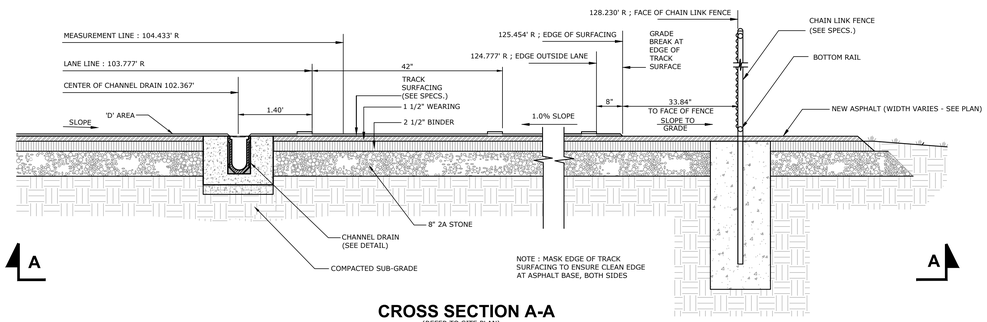
NOT TO SCALE



SECTION

RUNNING TRACK DETAIL

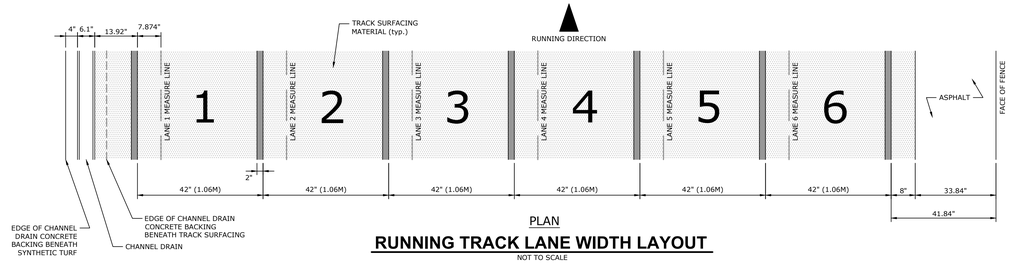
NOT TO SCALE



CROSS SECTION A-A
(REFER TO SITE PLAN)

RUNNING TRACK SECTION

NOT TO SCALE



PLAN

RUNNING TRACK LANE WIDTH LAYOUT

NOT TO SCALE

DRAWING SIZE: 30 X 42

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SHEET TITLE

SITE DETAILS

SHEET #

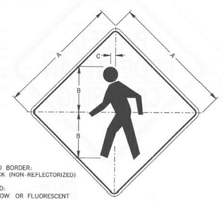
C-502

SCALE	AS NOTED
DATE	10-21-2026

The Pedestrian Sign (W11-2) may be used to warn of the unexpected hazard of pedestrians entering, or sharing the use of, or crossing the roadway. The W11-2 sign may be installed in advance of the crossing, in which case it may be supplemented with the (__) Feet Plaque (W16-2) or the Ahead Plaque (W16-9P).

If the sign is used at the crossing, the W11-2 sign shall be supplemented with a Diagonal Downward Pointing Arrow Plaque (W16-7P) showing the location of the crossing, which may or may not have crosswalk marking.

Fluorescent yellow-green background may be used for the W11-2 Sign, in which case all associated plaques shall be the same color.



COLOR:

SYMBOL AND BORDER:
BLACK (NON-REFLECTORIZED)

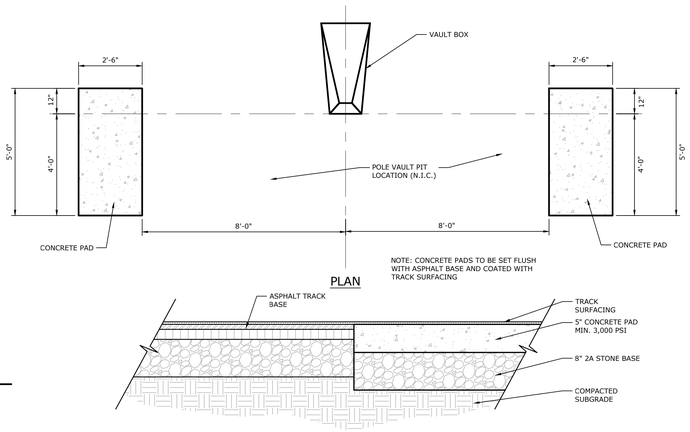
BACKGROUND:
YELLOW OR FLUORESCENT

DIMENSIONS – mm (IN)					
SIGN SIZE A x A	B	C	MARGIN	BORDER	BLANK STD.
750 x 750 (30" x 30")	340 (13.6)	38 (1.5)	10 (0.4)	20 (0.8)	B3-750 (B3-30)

W11-2

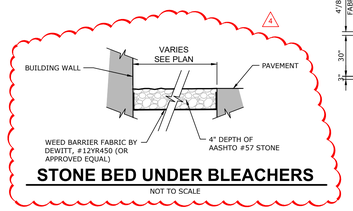
PEDESTRIAN CROSSING SIGN

NOT TO SCALE



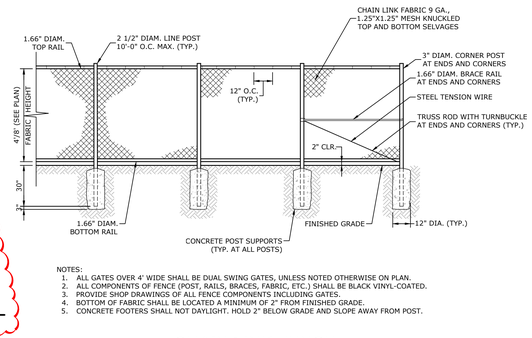
POLE VAULT STANDARD CONCRETE PADS

NOT TO SCALE



STONE BED UNDER BLEACHERS

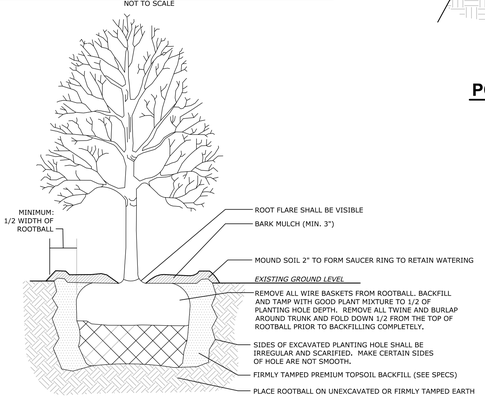
NOT TO SCALE



NOTES:
1. ALL GATES OVER 4' WIDE SHALL BE DUAL SWING GATES, UNLESS NOTED OTHERWISE ON PLAN.
2. ALL COMPONENTS OF FENCE (POST, RAILS, BRACES, FABRIC, ETC.) SHALL BE BLACK VINYL-COATED.
3. PROVIDE SHOP DRAWINGS OF ALL FENCE COMPONENTS INCLUDING GATES.
4. BOTTOM OF FABRIC SHALL BE LOCATED A MINIMUM OF 2" FROM FINISHED GRADE.
5. CONCRETE FOOTERS SHALL NOT DAYLIGHT. HOLD 2" BELOW GRADE AND SLOPE AWAY FROM POST.

CHAIN LINK FENCE

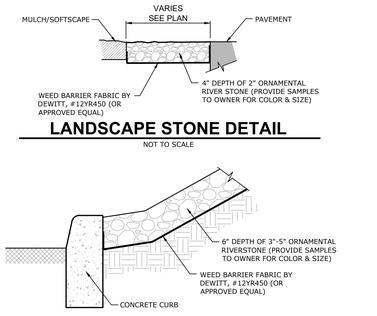
NOT TO SCALE



NOTES:
1. ROOTBALLS OF CONTAINERIZED TREES / SHRUBS SHALL BE SCARIFIED PRIOR TO TOPSOIL BACKFILL.
2. STAKING OF TREE MAY BE REQUIRED IF ROOT BALL OF TREE BECOMES LOOSE DURING PLANTING. FOLLOW AAN STAKING GUIDELINES IF STAKING IS REQUIRED.

DECIDUOUS TREE PLANTING

NOT TO SCALE

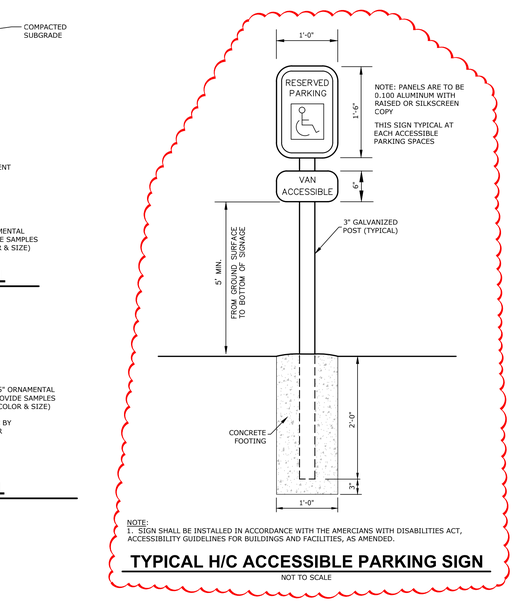


LANDSCAPE STONE DETAIL

NOT TO SCALE

3"-5" RIVERSTONE DETAIL

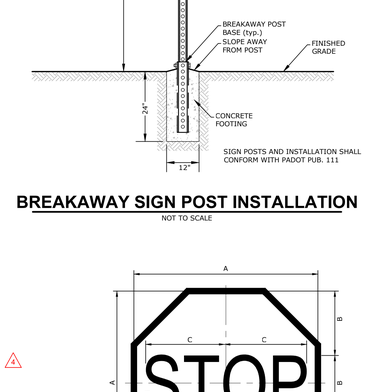
NOT TO SCALE



NOTE:
1. SIGN SHALL BE INSTALLED IN ACCORDANCE WITH THE AMERCIANS WITH DISABILITIES ACT, ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES, AS AMENDED.

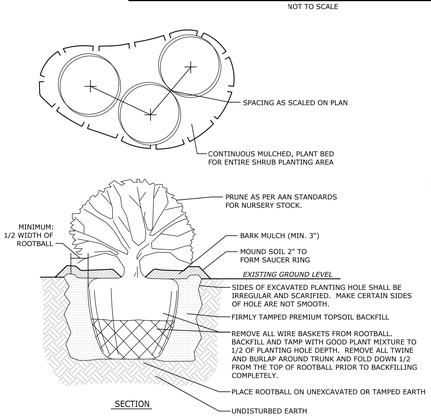
TYPICAL H/C ACCESSIBLE PARKING SIGN

NOT TO SCALE



BREAKAWAY SIGN POST INSTALLATION

NOT TO SCALE



NOTES:
1. STAKE ALL EVERGREEN TREES OVER 6 FEET TALL.
2. TREE SHALL BEAR SAME RELATION TO FINISHED GRADE AS IT BORE TO PREVIOUS GRADE (OR SLIGHTLY ABOVE).
3. NEVER CUT LEADERS.
4. PRUNE ONLY TO REMOVE DAMAGED OR BROKEN BRANCHES.
5. REMOVE ALL WIRE BRACKETS FROM ROOTBALL.
6. REMOVE ALL STAKES 1 YEAR AFTER PLANTING.

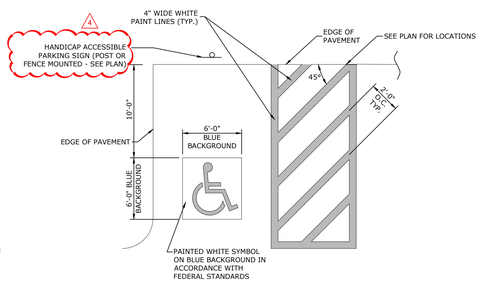
EVERGREEN TREE PLANTING

NOT TO SCALE

NOTES:
ROOTBALLS OF CONTAINERIZED SHRUBS SHALL BE SCARIFIED PRIOR TO TOPSOIL BACKFILL.

TYPICAL SHRUB PLANTING

NOT TO SCALE



NOTES:
1. SEE SITE PLAN FOR ACCESSIBLE SPACE LOCATION AND DIMENSIONS.
2. PROVIDE 2 COATS OF PAINT ON ALL SURFACES.

H.C. ACCESSIBLE PARKING SPACE

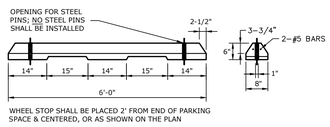
NOT TO SCALE

COLOR: LEGEND AND BORDER — WHITE (REFLECTORIZED)
BACKGROUND — RED (REFLECTORIZED)

SIGN SIZE	DIMENSIONS A	B	C	SERIES LINE	BORDER	BLANK STD
30 X 30	30	10	12.5	C	3/4	B1-30

PENNDOT R1-1 STOP SIGN

NOT TO SCALE



WHEEL STOP SHALL BE PLACED 2' FROM END OF PARKING SPACE & CENTERED, OR AS SHOWN ON THE PLAN

CONCRETE WHEEL STOP

NOT TO SCALE

DRAWING SIZE: 30 X 42

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
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REVISIONS	
BID SET	10/21/2026
4 ADDENDUM 4	11/16/2026
DRAWN BY	RES
REVIEWED BY	
JOB #	2665

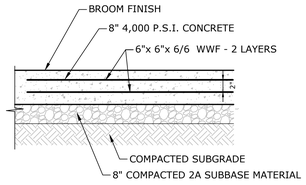
SHEET TITLE

SITE DETAILS

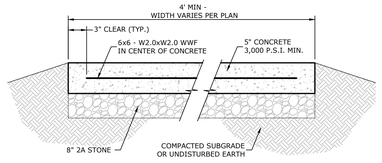
SHEET #

C-503

SCALE	AS NOTED
DATE	10-21-2026



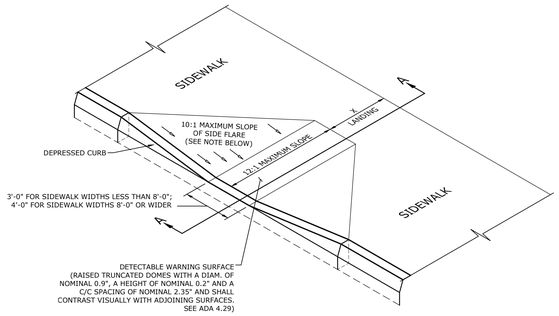
HEAVY DUTY CONCRETE
NOT TO SCALE



NOTES

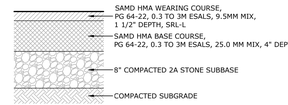
1. SPACE CONTROL JOINTS AT A MINIMUM OF 4' TO 10' MAXIMUM. PLACE EXPANSION JOINTS AT 10' MINIMUM TO 20' MAXIMUM AND MATCH EXISTING IF APPLICABLE.
2. SIDEWALKS SHALL BE CONSTRUCTED SO AS TO DISCHARGE DRAINAGE AS SHOWN ON THE PLAN.
3. CONCRETE USED IN CURBING WORK SHALL BE AT LEAST 3,000 PSI AT 28 DAYS WITH CERTIFICATION OF THE MIX FURNISHED TO THE PROFESSIONAL. CONCRETE SHALL BE PLACED IN FORMS THAT ARE STRAIGHT AND SECURELY BRACED. CARE SHALL BE TAKEN TO CONTROL THE WATER CONTENT TO PREVENT SEPARATION OF THE AGGREGATES. THE CONCRETE SHALL HAVE A BROOM FINISH AND THE EDGES SHALL BE FINISHED WITH AN APPROVED EDGING TOOL.
4. ALL CONCRETE SIDEWALKS SHALL BE CONSTRUCTED ON AN EIGHT-INCH CRUSHED STONE OR GRAVEL BASE TO ENSURE PROPER DRAINAGE. THE CONCRETE SHALL BE PLACED SO THAT THERE IS A SEPARATE JOINT EVERY FIVE FEET AND SHALL BE SO CONSTRUCTED SO THAT THE FIVE-FOOT SECTIONS ARE COMPLETELY SEPARATED FROM ADJACENT SECTIONS. ONE-HALF-INCH PREMOLDED EXPANSION JOINT SHALL BE PLACED EVERY 20 FEET AND BETWEEN ALL POINTS WHERE THE CONCRETE SIDEWALKS ABUT A CONCRETE CURB.
5. ALL CONCRETE SIDEWALKS SHALL HAVE A MINIMUM THICKNESS OF FOUR INCHES EXCEPT WHERE SHOWN AS 'HEAVY DUTY', WHERE THEY SHALL HAVE A MINIMUM THICKNESS OF EIGHT INCHES. THE CONCRETE APRON IN THE LOADING AREA SHALL BE REINFORCED WITH WIRE SIX BY SIX INCHES, NUMBER 9 WIRE (MINIMUM). TWO LAYERS OF THIS WIRE SHALL BE UTILIZED WITH A MINIMUM OF TWO-INCH SPACING BETWEEN LAYERS.

CONCRETE SIDEWALK
NOT TO SCALE



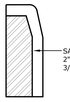
NOTE:
DIMENSION 'X' SHALL BE EQUAL TO OR GREATER THAN 3'-0". IF DIMENSION 'X' IS LESS THAN 4'-0", THEN THE SLOPE OF THE FLARED SIDES SHALL NOT EXCEED 12:1.

TYPE 1 CURB RAMP
NOT TO SCALE

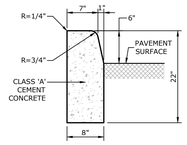


NOTE:
1. ALL PAVING MATERIALS AND INSTALLATION MATERIALS SHALL CONFORM TO PENNDOT PUBLICATION 408, AS AMENDED.

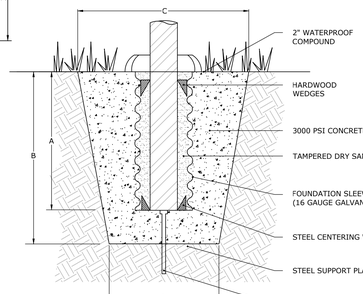
STANDARD DUTY BITUMINOUS PAVEMENT SECTION
NOT TO SCALE



DETAIL 'A'
CONTRACTION JOINT



TYPICAL
CROSS SECTION



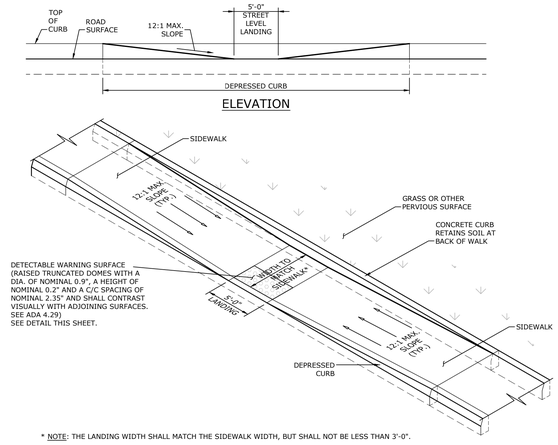
NOTE:
EXPANSION JOINT IS REQUIRED EVERY 10'.

VERTICAL CURB
NOT TO SCALE

GROUND SET				
EXPOSED MOUNTING HEIGHT	A	B	C	D
20'-0"	2'-0"	2'-6"	30"	24"
25'-0"	2'-6"	3'-0"	36"	24"
30'-0"	3'-0"	3'-6"	36"	24"
35'-0"	3'-6"	4'-0"	36"	30"
40'-0"	4'-0"	4'-6"	45"	36"
45'-0"	4'-6"	5'-0"	45"	36"
50'-0"	5'-0"	5'-6"	50"	42"

NOTE: THIS DETAIL APPLIES TO THE FLAGPOLE TO BE RELOCATED. HEIGHT TO BE DETERMINED IN FIELD

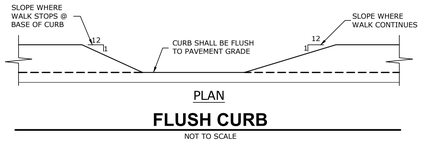
FLAG POLE FOUNDATION
NOT TO SCALE



* NOTE: THE LANDING WIDTH SHALL MATCH THE SIDEWALK WIDTH, BUT SHALL NOT BE LESS THAN 3'-0".

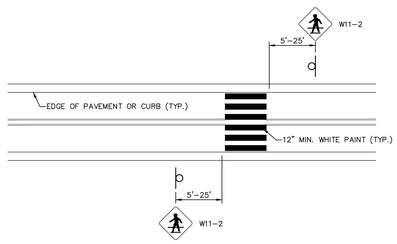
ISOMETRIC

TYPE 2 CURB RAMP
NOT TO SCALE

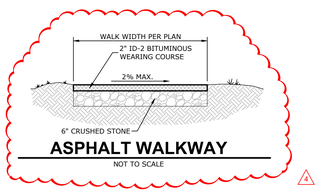


PLAN

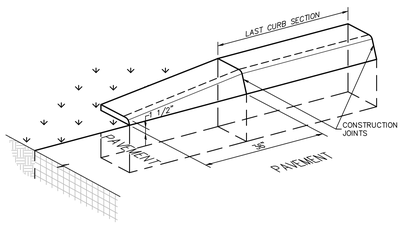
FLUSH CURB
NOT TO SCALE



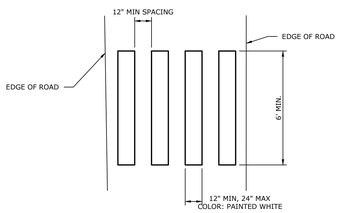
NOTE: REFER TO TITLE 67, CHAPTER 211, SUBCHAPTER K, SECTION 23.1055 AND 23.1056 FOR FURTHER INFORMATION.



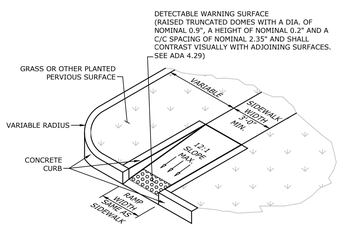
ASPHALT WALKWAY
NOT TO SCALE



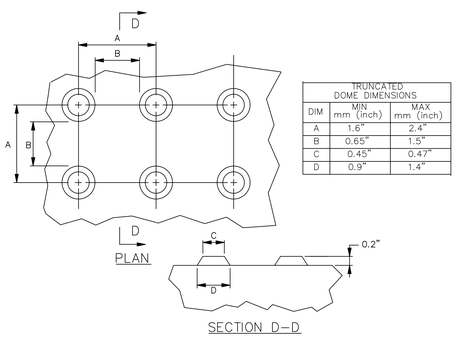
BULLNOSE END CURB TREATMENT
NOT TO SCALE



STANDARD CROSSWALK
NOT TO SCALE



TYPE 4A CURB RAMP
NOT TO SCALE



TRUNCATED DOME DIMENSIONS		
DIM	MIN mm (inch)	MAX mm (inch)
A	1.6"	2.4"
B	0.65"	1.5"
C	0.45"	0.47"
D	0.9"	1.4"

DETECTABLE WARNING SURFACE (DWS) TRUNCATED DOME DETAILS
NOT TO SCALE

DRAWING SIZE: 30 X 42

COMMONWEALTH OF PENNSYLVANIA
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REVISIONS	
BID SET	10/21/2026
1 ADDENDUM 4	11/16/2026
DRAWN BY	RES
REVIEWED BY	
JOB #	2665

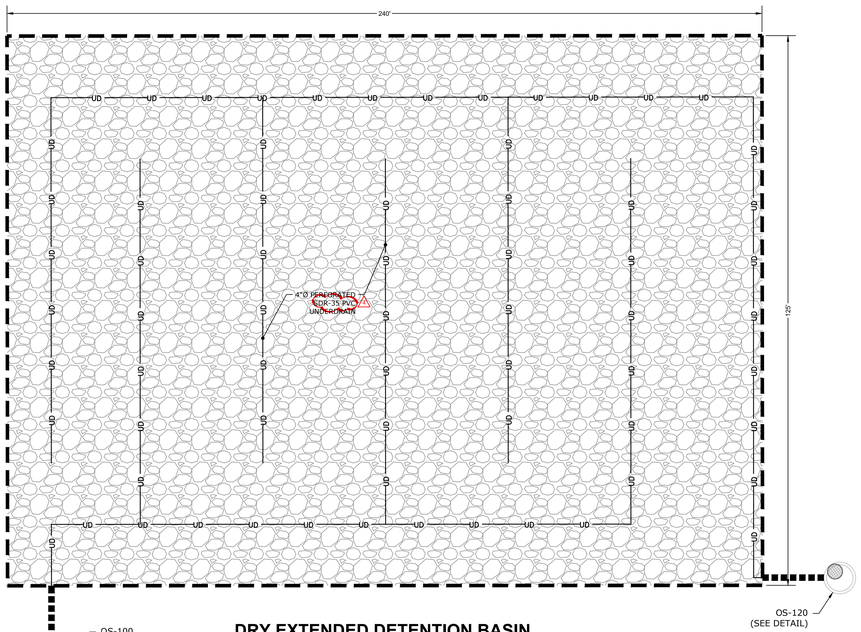
SHEET TITLE

SITE DETAILS

SHEET #

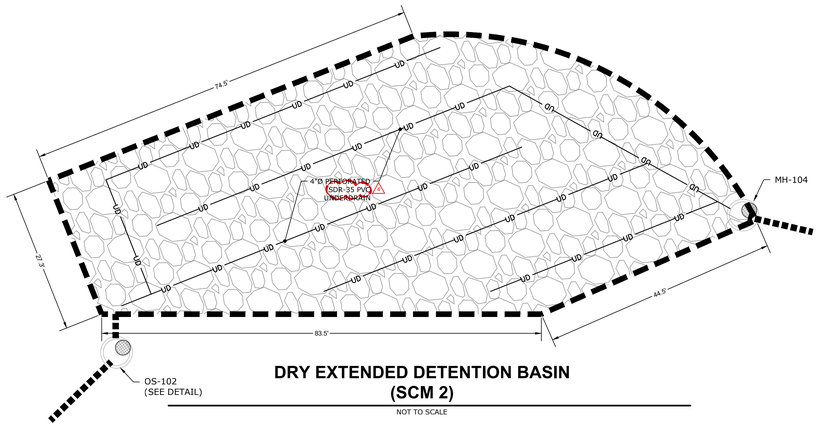
C-504

SCALE	AS NOTED
DATE	10-21-2026



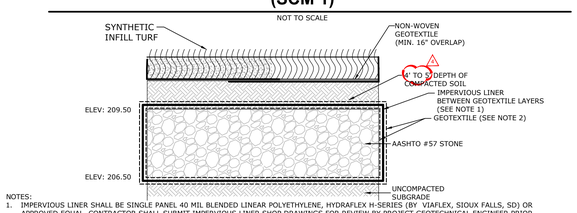
DRY EXTENDED DETENTION BASIN (SCM 1)

NOT TO SCALE



DRY EXTENDED DETENTION BASIN (SCM 2)

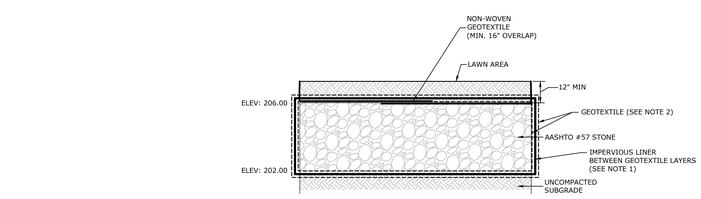
NOT TO SCALE



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.
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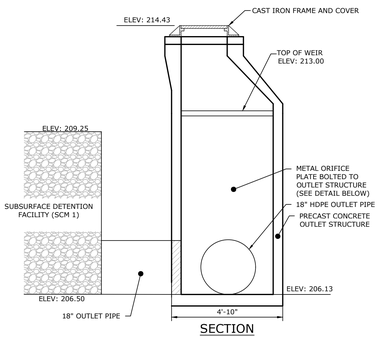
DRY EXTENDED DETENTION BASIN CROSS SECTION DETAIL (SCM 2)

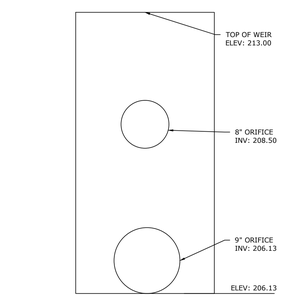
NOT TO SCALE



SECTION

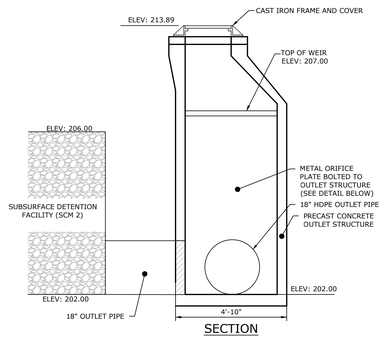
OS-100 (SCM-1) DETAIL

NOT TO SCALE



OS-100 ORIFICE PLATE DETAIL

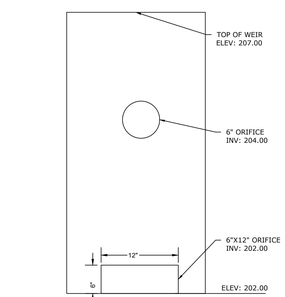
NOT TO SCALE



SECTION

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
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No. 052032-E

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REVIEWED BY	
JOB #	2665

SHEET TITLE

PCSM DETAILS

SHEET #

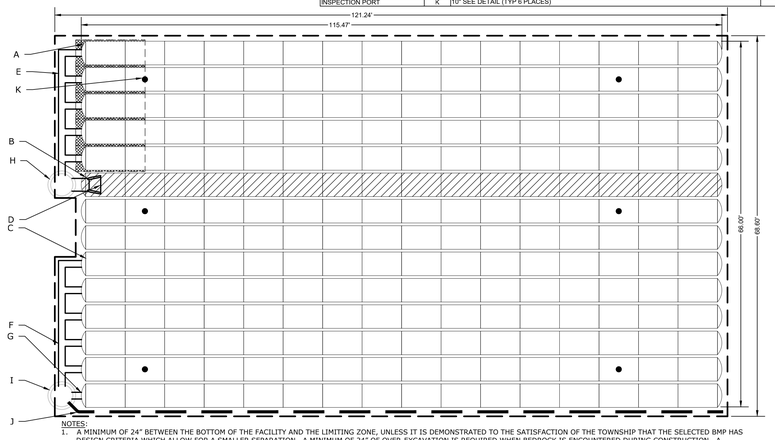
C-602

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)

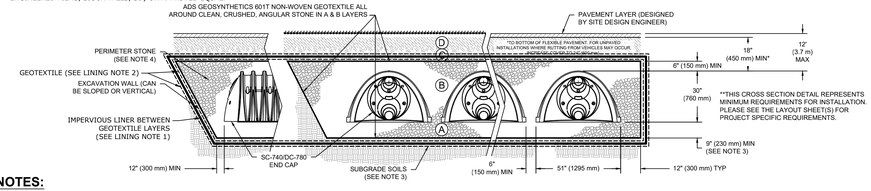
NOT TO SCALE

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[1]	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[1]	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.

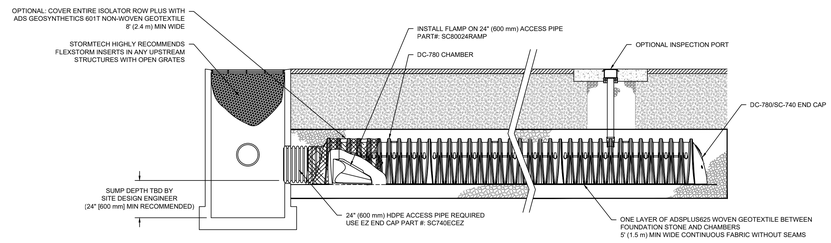


***THIS CROSS SECTION DETAIL REPRESENTS MINIMUM REQUIREMENTS FOR INSTALLATION. PLEASE SEE THE LAYOUT SHEET(S) FOR PROJECT SPECIFIC REQUIREMENTS.

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 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.

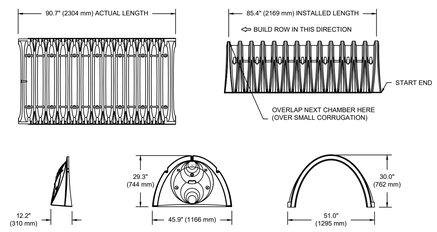
NOTES

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

DC-780 TECHNICAL SPECIFICATION
NTS



NOMINAL CHAMBER SPECIFICATIONS

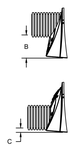
SIZE (W X H X INSTALLED LENGTH)	51.0" X 30.0" X 85.4"	(1295 mm X 762 mm X 2169 mm)
CHAMBER STORAGE	46.2 CUBIC FEET	(1.30 m³)
MINIMUM INSTALLED STORAGE*	78.4 CUBIC FEET	(2.20 m³)
WEIGHT	75.0 lbs.	(33.6 kg)

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)



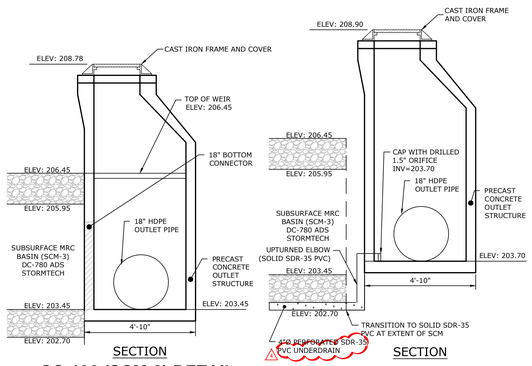
ALL STUBS, EXCEPT FOR THE SC740ECEZ ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP.

* 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

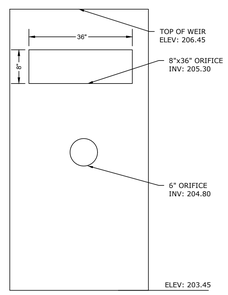


OS-106 (SCM-3) DETAIL

NOT TO SCALE

MH-103 DETAIL

NOT TO SCALE



OS-106 ORIFICE PLATE DETAIL

NOT TO SCALE

DRAWING SIZE: 30 X 42

COMMONWEALTH OF PENNSYLVANIA
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POTTSGROVE HIGH SCHOOL FACILITY AND ATHLETIC IMPROVEMENTS

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REVISIONS	
BID SET	10/21/2026
ADDENDUM 4	11/16/2026
DRAWN BY	RES
REVIEWED BY	
JOB #	2665

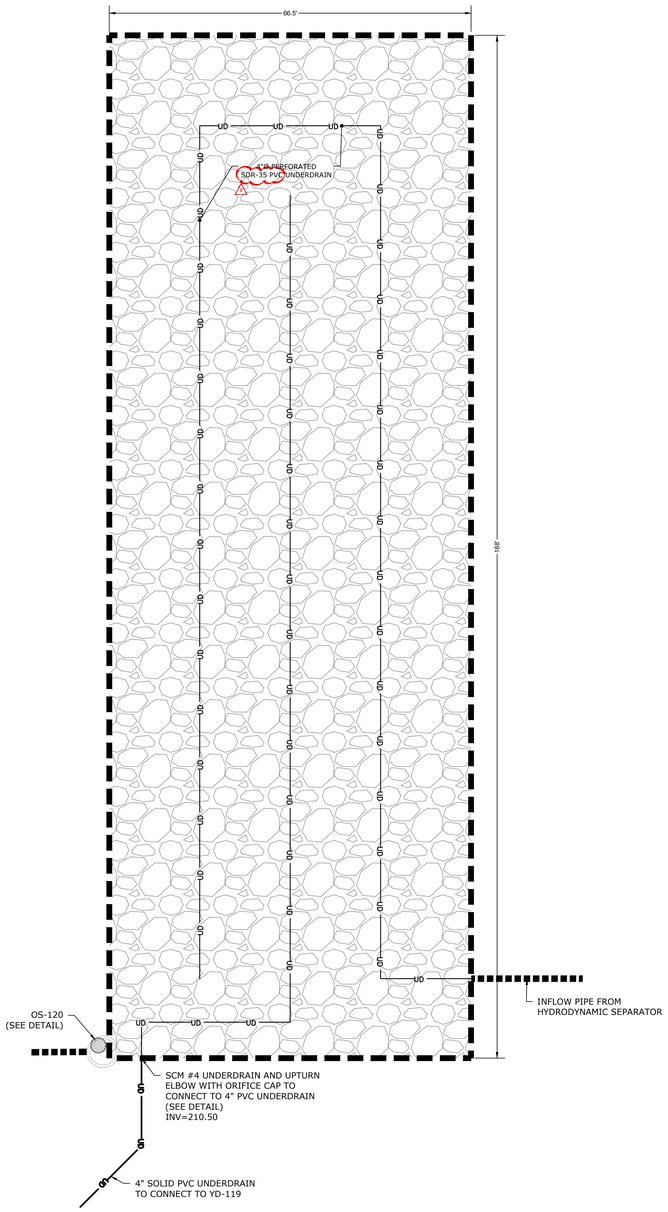
SHEET TITLE

PCSM DETAILS

SHEET #

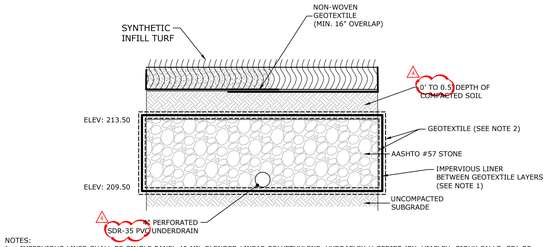
C-603

SCALE	AS NOTED
DATE	10-21-2026



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

NOT TO SCALE

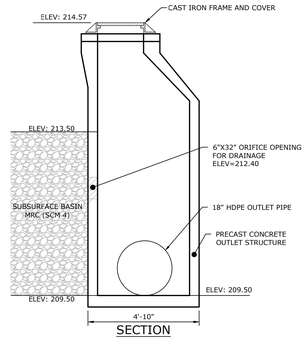


NOTES:
1. IMPERVIOUS LINER SHALL BE SINGLE PANEL 40 MIL BLENDED LINEAR POLYETHYLENE, HYDRAFLEX H-SERIES (BY VIAFLEX, SIOUX FALLS, SD) OR APPROVED EQUAL. CONTRACTOR SHALL SUBMIT IMPERVIOUS LINER SHOP DRAWINGS FOR REVIEW BY PROJECT GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTION. LINER SHALL BE INSTALLED DURING 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

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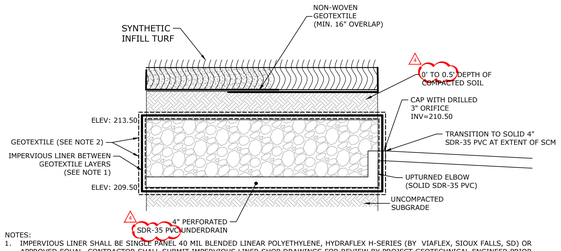

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DRY EXTENDED DETENTION BASIN (MRC) (SCM 4) UNDERDRAIN OUTLET DETAIL

NOT TO SCALE

DRAWING SIZE: 30 X 42

STAMP

COMMONWEALTH OF PENNSYLVANIA
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REVISIONS	
BID SET	10/21/2026
1 ADDENDUM #1	11/16/2026

DRAWN BY	RES
REVIEWED BY	
JOB #	2665

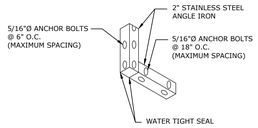
SHEET TITLE

PCSM DETAILS

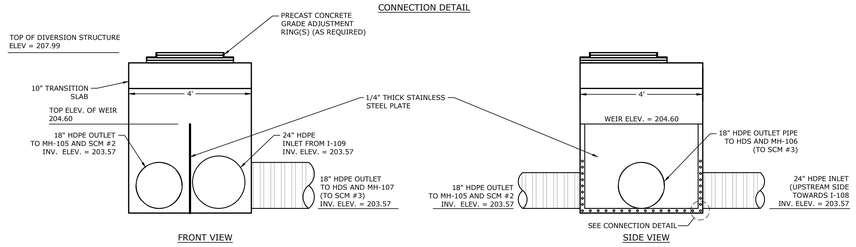
SHEET #

C-604

SCALE	AS NOTED
DATE	10-21-2026



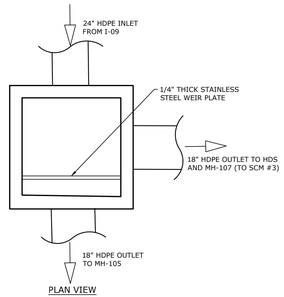
CONNECTION DETAIL



FRONT VIEW

SIDE VIEW

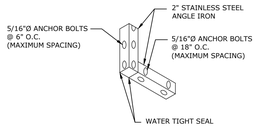
NOTES:
1. THE PROPOSED DIVERSION STRUCTURE SHALL BE IN ACCORDANCE WITH PENNDOT PUBLICATION 408, SECTION 605 AND STANDARDS FOR ROADWAY CONSTRUCTION, RC-46M.
2. ALL JOINTS SHALL BE GROUTED INSIDE AND OUTSIDE.
3. LOCATION OF STAINLESS STEEL PLATE SHALL NOT INTERFERE WITH STEPS ON SIDE OF INLET BOX.
4. WATER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



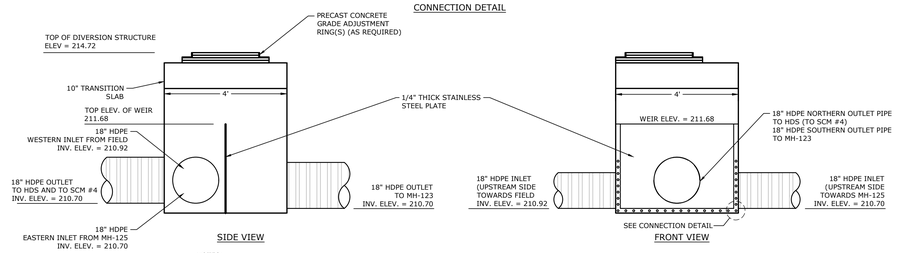
PLAN VIEW

MANHOLE INLET WITH DIVERSION WEIR (DIV-108)

NOT TO SCALE



CONNECTION DETAIL



SIDE VIEW

FRONT VIEW

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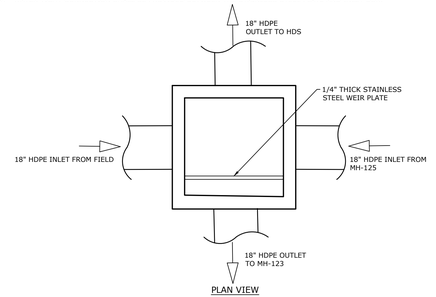
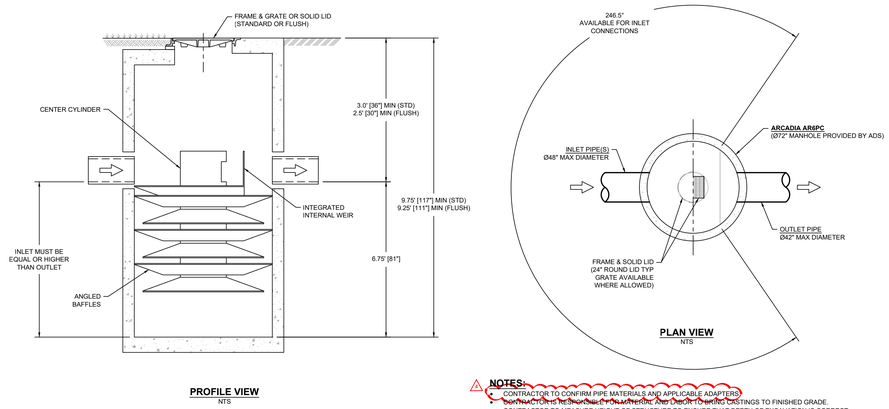
3. LOCATION OF STAINLESS STEEL PLATE SHALL NOT INTERFERE WITH STEPS ON SIDE OF INLET BOX.
4. WATER TIGHT CONNECTION SHALL BE PROVIDED BETWEEN THE STAINLESS STEEL PLATE AND INLET BOX.



PLAN VIEW

MANHOLE WITH DIVERSION WEIR (DIV-124)

NOT TO SCALE



PROFILE VIEW
NTS

PLAN VIEW
NTS

NOTES:
- CONTRACTOR TO CONFIRM PIPE MATERIALS AND APPLICABLE ADAPTERS.
- CONTRACTOR IS RESPONSIBLE FOR MATERIAL AND LABOR TO RAISE 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

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REVISIONS	
BID SET	10/21/2026
1 ADDENDUM 4	11/16/2026
DRAWN BY	RES
REVIEWED BY	
JOB #	2665

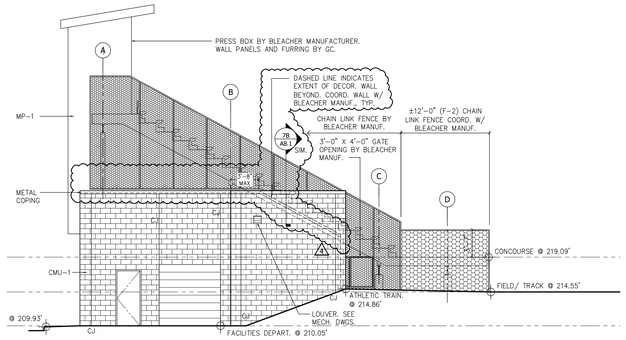
SHEET TITLE

PCSM DETAILS

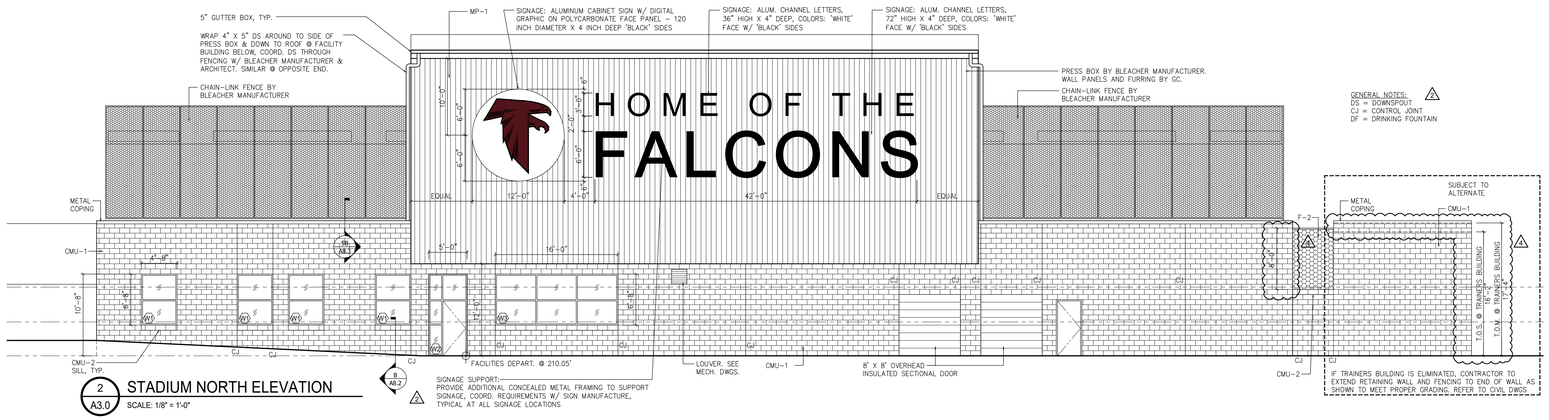
SHEET #

C-605

SCALE	AS NOTED
DATE	10-21-2026

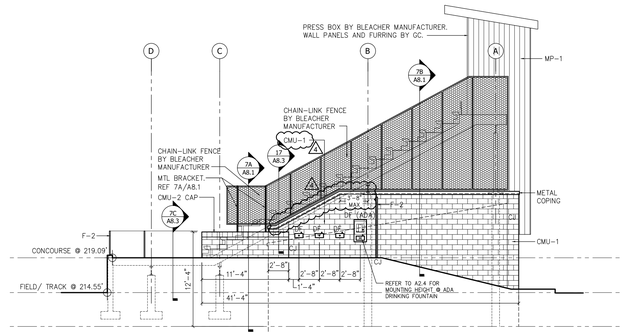


1 A3.0 STADIUM WEST ELEVATION
SCALE: 1/8" = 1'-0"

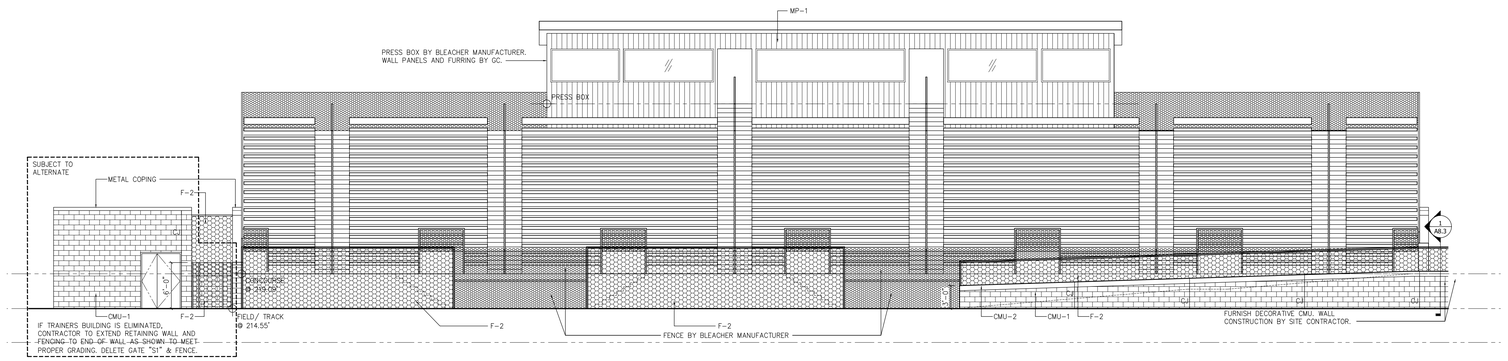


2 A3.0 STADIUM NORTH ELEVATION
SCALE: 1/8" = 1'-0"

SIGNAGE SUPPORT:
PROVIDE ADDITIONAL CONCEALED METAL FRAMING TO SUPPORT SIGNAGE, COORD. REQUIREMENTS W/ SIGN MANUFACTURE, TYPICAL AT ALL SIGNAGE LOCATIONS

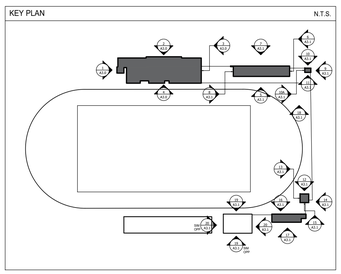


3 A3.0 STADIUM EAST ELEVATION
SCALE: 1/8" = 1'-0"



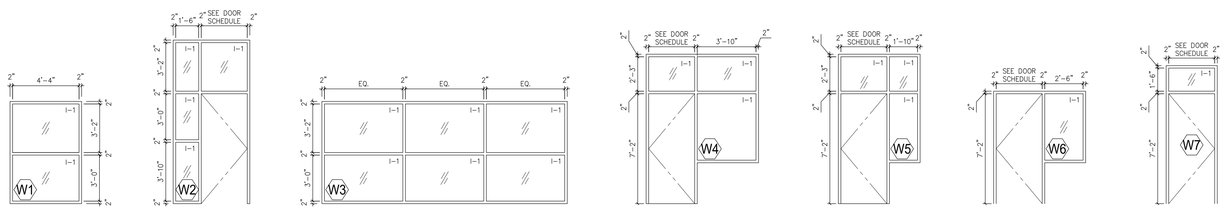
4 A3.0 STADIUM SOUTH ELEVATION
SCALE: 1/8" = 1'-0"

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 #OBV16 (DIENER BRICK CO.)	
CMU-1	CONCRETE MASONRY UNIT (CMU)	OPTION 1: YORK BLDG. PRODUCTS - SHOT BLASTED CMU - RUSTIC FACE - COLOR: SILVER OPTION 2: FIZZANO BROTHERS - DESIGNER BLAST FINISH - COLOR: (CUSTOM TO MATCH 'SPLIT FACE' COLOR "F-82")	DECORATIVE CMU (8" X 16")
CMU-2	CONCRETE MASONRY UNIT (CMU) CAP	DESIGNER SILLS W/ CHAMFERED CORNER (SIMILAR TO FIZZANO BROTHERS - DESIGNER SILLS W/ SPLIT FACE FINISH)	REFER TO DETAILS FOR PROFILES
F-1	ALUMINUM DECORATIVE FENCING	ALUM. (BLACK COLOR)	REF. SPEC. - ORNAMENTAL PICKET FENCE AND GATE
F-2	CHAIN LINK FENCING	VINYL COATED (BLACK COLOR)	
FRP	FIBER REINFORCED PANEL (DOORS)	BASIS OF DESIGN: ARCHITECTURAL DOORS INC. - "REDWOOD" (OTHER DOOR MANUF. TO MATCH COLOR)	
MP-1	METAL PANELS	ATAS - OPALINE - COLOR: REDWOOD	
MP-2	METAL ROOFING/SIDING	ATAS - BELVEDERE GRAND R PANEL - COLOR: REDWOOD	AT THE POLE BARN BUILDING
P-1E	PAINT - EXTERIOR	COLOR: (TO BE DETERMINED)	
SS-1	STAINLESS STEEL COUNTERTOP	MARINE GRADE, TYPE 316L	REF. DETAIL 5/A8.1
-	METAL COPING & ROOF EDGE	(COLOR: TO MATCH 'MP-1' METAL PANELS)	
-	METAL GUTTERS & DOWNSPOUTS	(COLOR: TO MATCH 'MP-1' METAL PANELS)	
-	(METAL) COMPOSITE MATERIAL WALL PANELS	COLOR: REDWOOD	
-	OVERHEAD INSULATED COILING DOORS	MATERIAL: STAINLESS STEEL	
-	OVERHEAD INSULATED SECTIONAL DOOR	BASIS OF DESIGN: OVERHEAD DOOR - COLOR: GRAY	

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JOB #	2665

SHEET TITLE

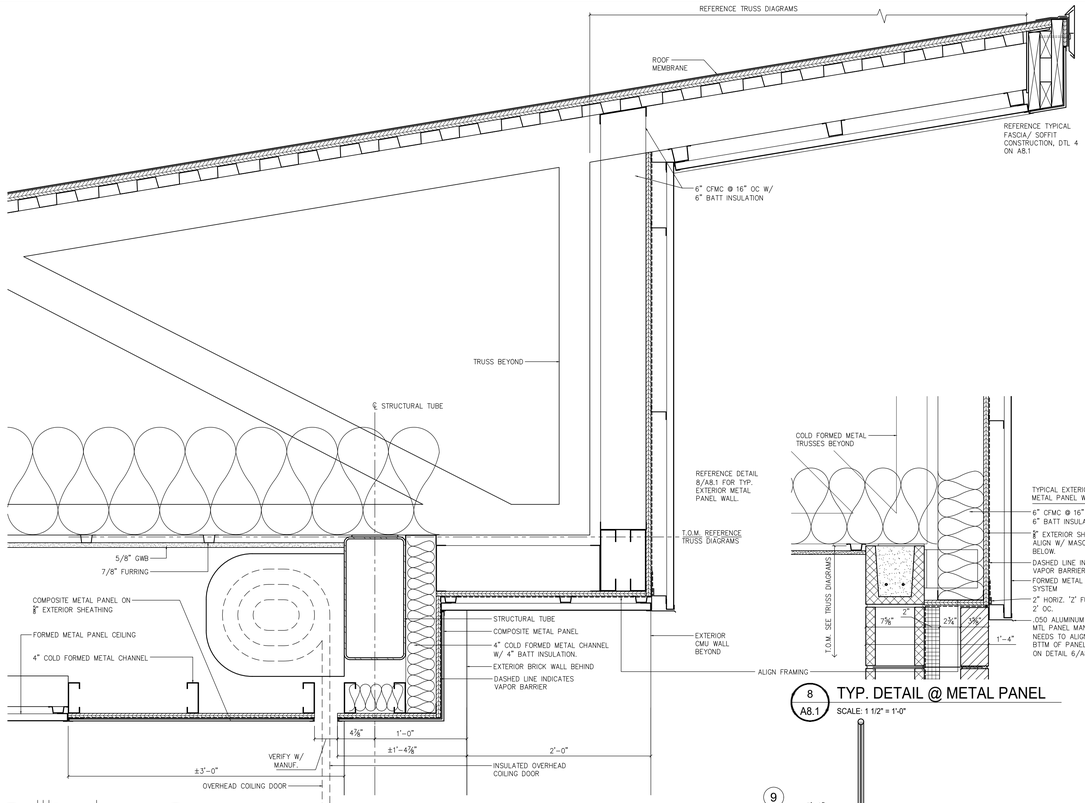
EXTERIOR ELEVATIONS

SHEET #

A3.0

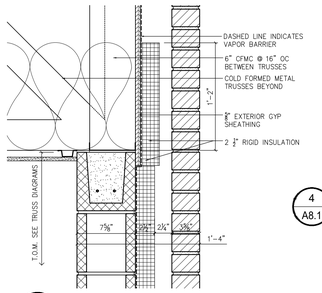
SCALE	AS NOTED
DATE	11-16-2026

DRAWING SIZE: 30 X 42

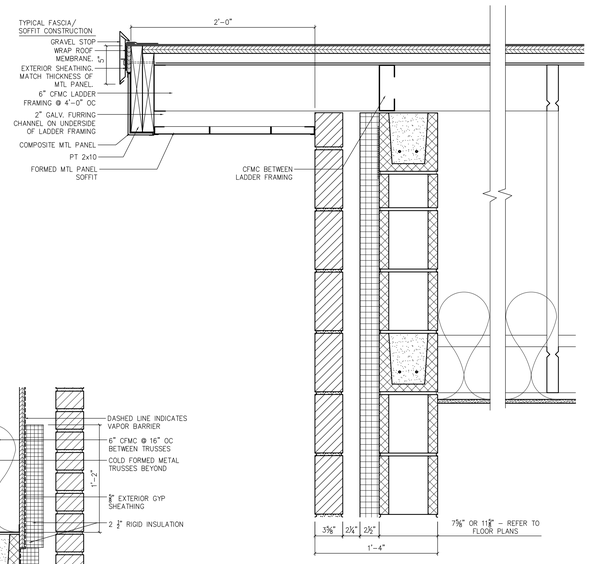


6 A8.1 SECTION @ OVERHEAD COILING DOOR
SCALE: 1 1/2" = 1'-0"

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

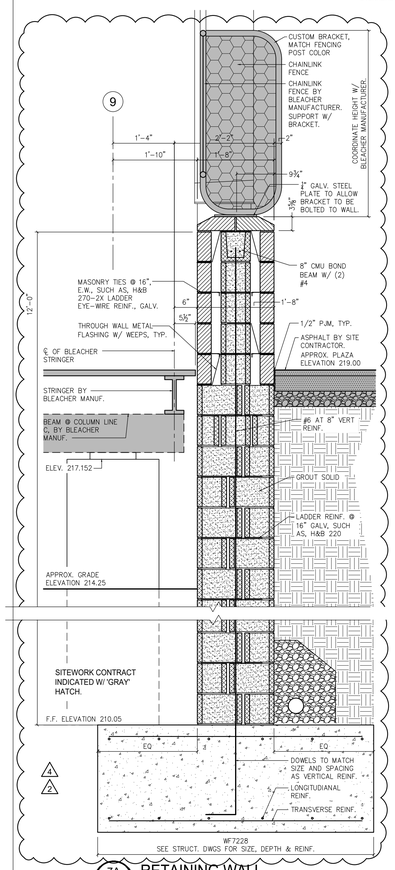


8A A8.1 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"

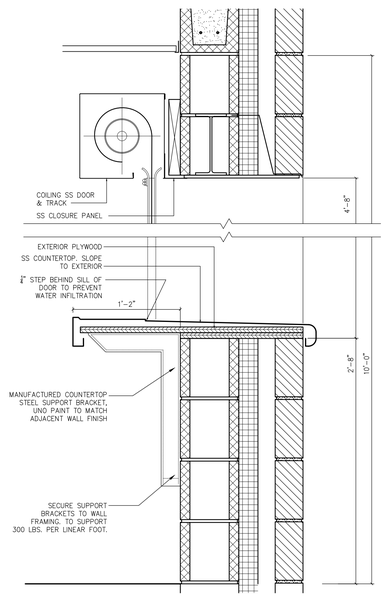


4 A8.1 TYP. GABLE END
SCALE: 1 1/2" = 1'-0"
FOR WEST SIDE OF HOME CONCESSION BUILDING, LADDER FRAMING SHALL BE 8" DEEP AS SHOWN ON THE STRUCTURAL DRAWINGS. OMIT FURRING ABOVE SOFFIT.

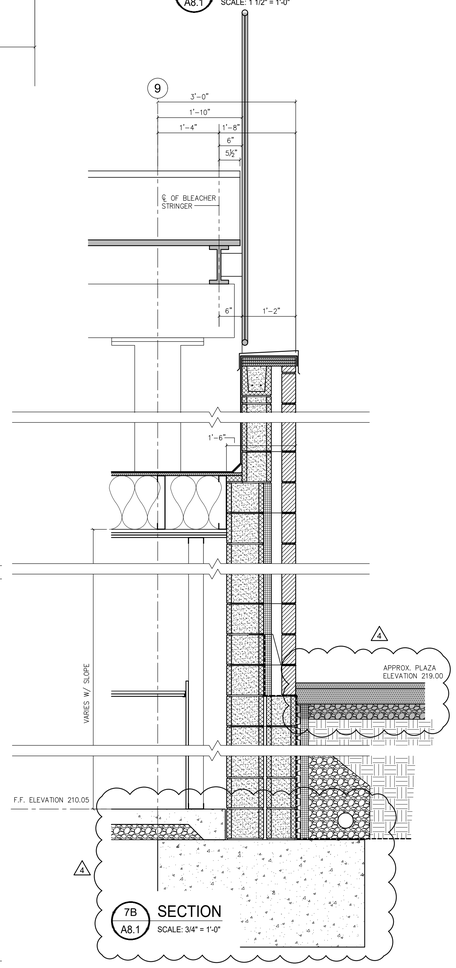
GENERAL NOTES:
VERTICAL FRAMING MEMBERS (STUDS & WALL FURRING) SHALL BE SPACED AT 16" O.C. UNLESS OTHERWISE NOTED
4



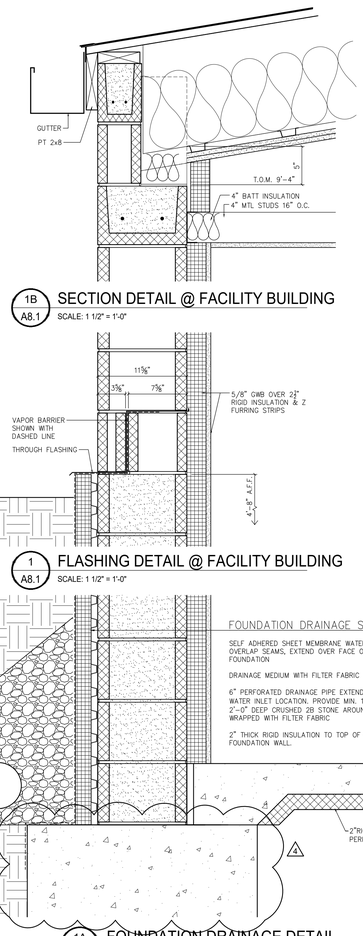
7A A8.1 RETAINING WALL
SCALE: 3/4" = 1'-0"



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



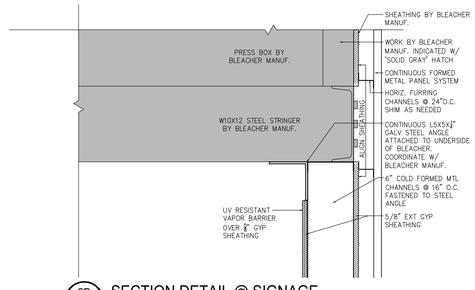
7B A8.1 SECTION
SCALE: 3/4" = 1'-0"



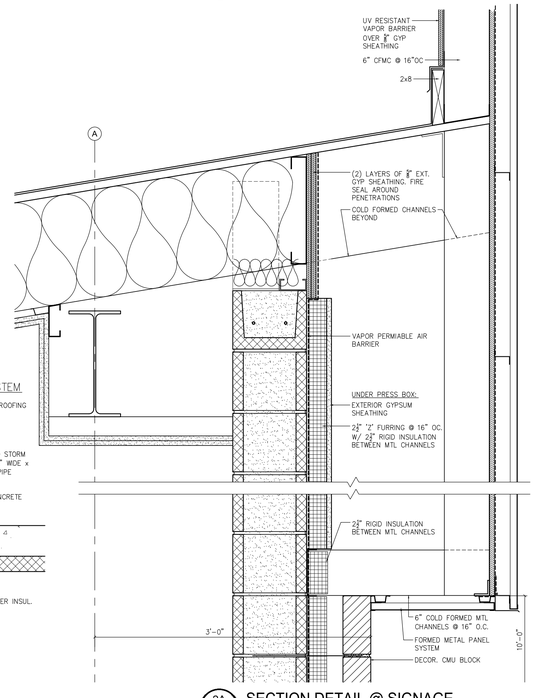
1B A8.1 SECTION DETAIL @ FACILITY BUILDING
SCALE: 1 1/2" = 1'-0"

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"



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



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

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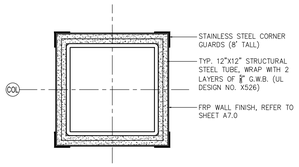
REVIEWED BY	
JOB #	2665

SHEET TITLE
DETAILS

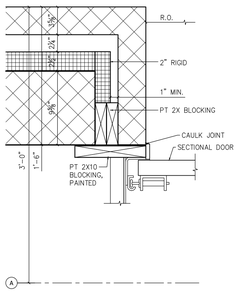
SHEET #
A8.1

SCALE	AS NOTED
DATE	11-16-2026

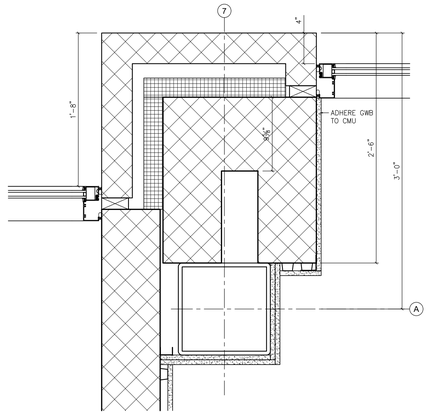
DRAWING SIZE: 30 X 42



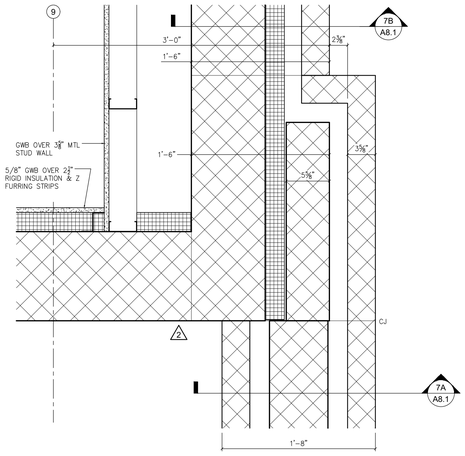
1 A8.2 **TYP. STRUCTURAL TUBE DETAIL**
SCALE: 1 1/2" = 1'-0"



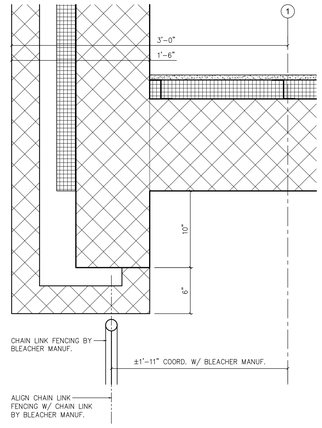
5 A8.2 **SECTIONAL DOOR JAMB**
SCALE: 1 1/2" = 1'-0"



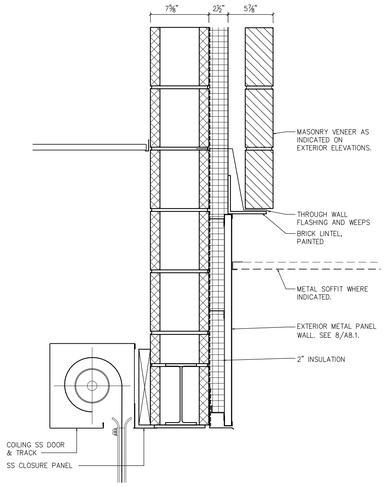
2 A8.2 **PLAN DETAIL**
SCALE: 1 1/2" = 1'-0"



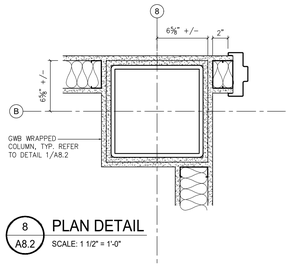
3 A8.2 **PLAN DETAIL**
SCALE: 1 1/2" = 1'-0"



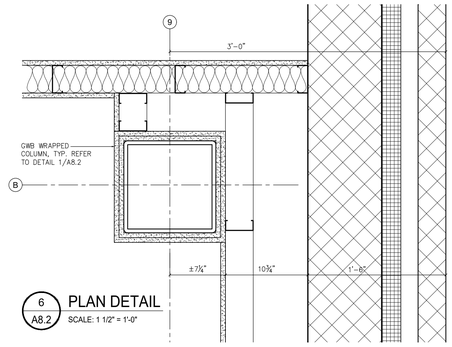
4 A8.2 **PLAN DETAIL**
SCALE: 1 1/2" = 1'-0"



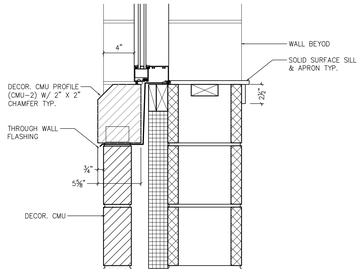
13 A8.2 **SECTION DETAIL**
SCALE: 1 1/2" = 1'-0"



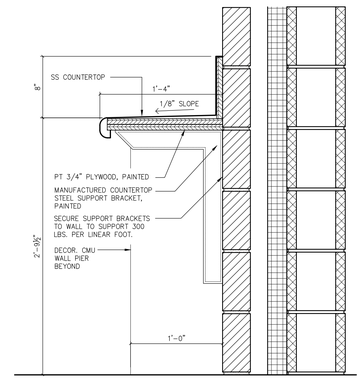
8 A8.2 **PLAN DETAIL**
SCALE: 1 1/2" = 1'-0"



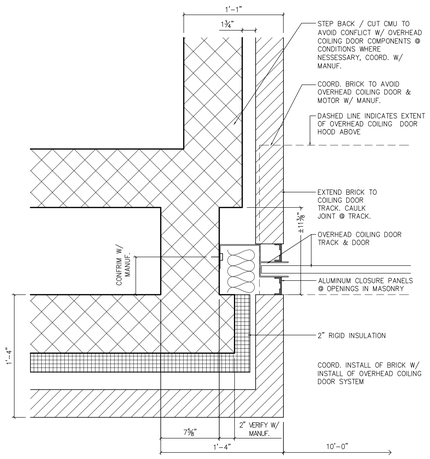
6 A8.2 **PLAN DETAIL**
SCALE: 1 1/2" = 1'-0"



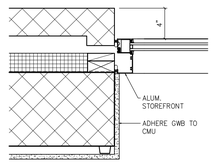
B A8.2 **TYPICAL WINDOW SILL**
SCALE: 1 1/2" = 1'-0"



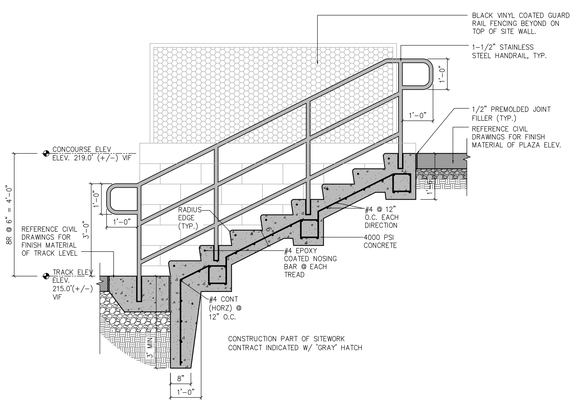
12 A8.2 **SECTION DETAIL**
SCALE: 1 1/2" = 1'-0"



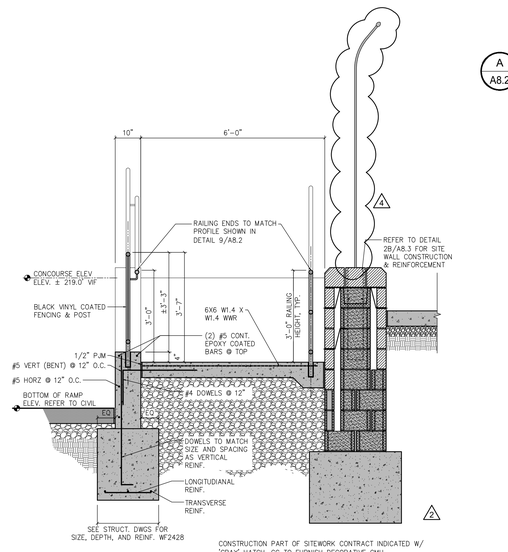
7 A8.2 **OVERHEAD COILING DOOR JAMB DETAIL**
SCALE: 1 1/2" = 1'-0"



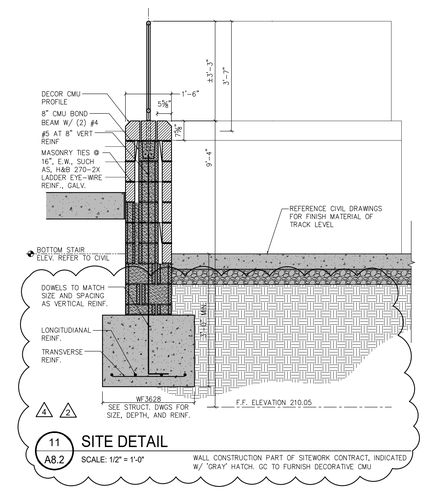
A A8.2 **TYPICAL WINDOW JAMB**
SCALE: 1 1/2" = 1'-0"



9 A8.2 **SITE STAIR DETAIL**
SCALE: 1/2" = 1'-0"



10 A8.2 **SITE RAMP DETAIL**
SCALE: 1/2" = 1'-0"



11 A8.2 **SITE DETAIL**
SCALE: 1/2" = 1'-0"
WALL CONSTRUCTION PART OF SITEWORK CONTRACT, INDICATED W/ 'GRAY' HATCH. GC TO FURNISH DECORATIVE CMU

GENERAL NOTES:

VERTICAL FRAMING MEMBERS (STUDS & WALL FURRING) SHALL BE SPACED AT 16" O.C. UNLESS OTHERWISE NOTED

4

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REVIEWED BY	
JOB #	2665

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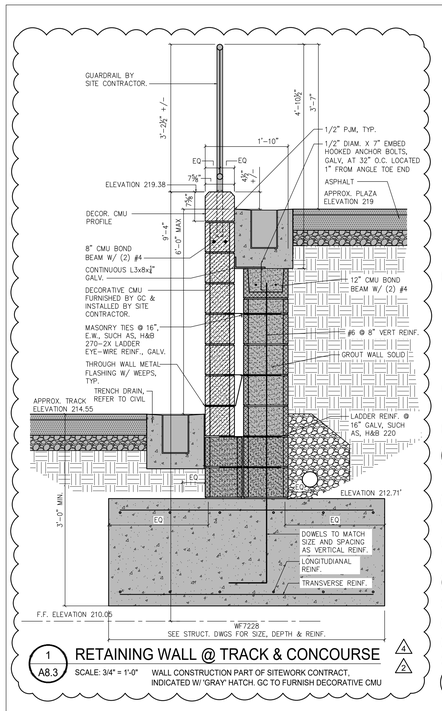
DETAILS

SHEET #

A8.2

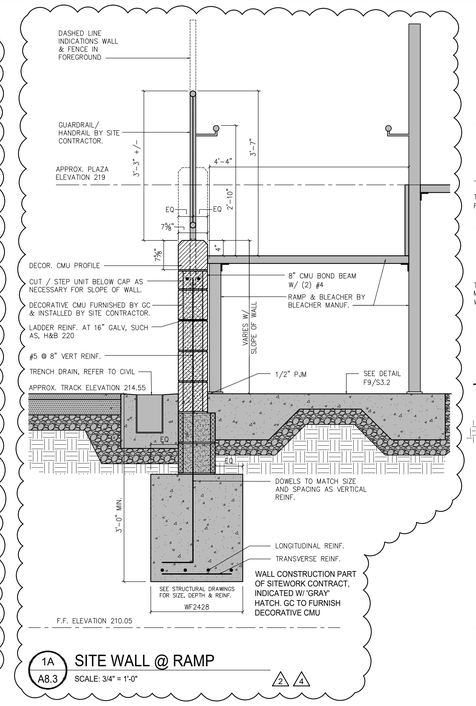
SCALE	AS NOTED
DATE	11-16-2026

DRAWING SIZE: 30 X 42



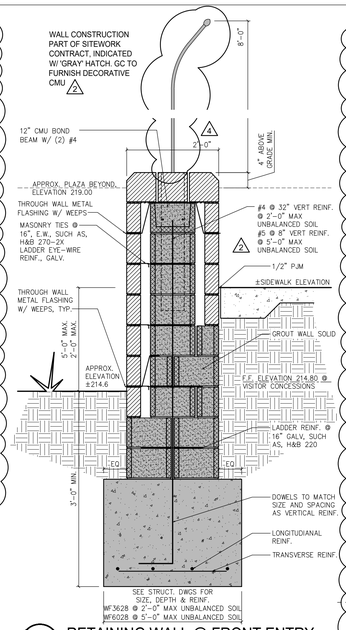
1 A8.3 RETAINING WALL @ TRACK & CONCOURSE

SCALE: 3/4" = 1'-0" WALL CONSTRUCTION PART OF SITEWORK CONTRACT, INDICATED W/ 'GRAY' HATCH. GC TO FURNISH DECORATIVE CMU



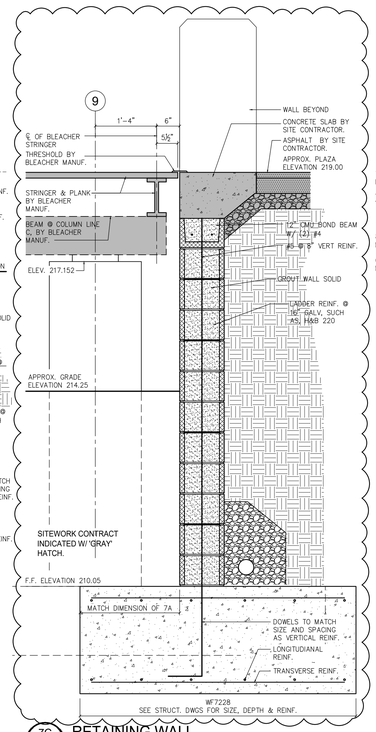
1A A8.3 SITE WALL @ RAMP

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



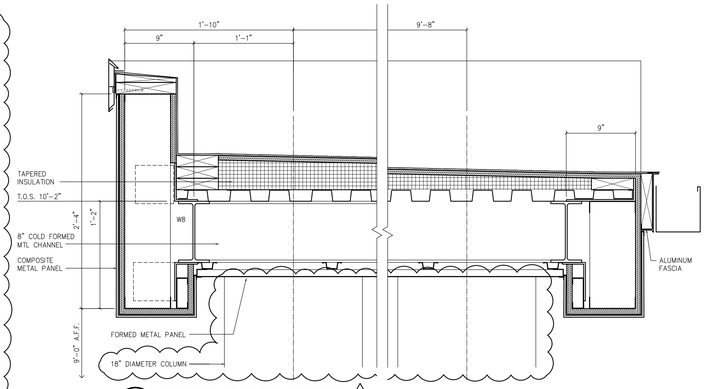
2 A8.3 RETAINING WALL @ FRONT ENTRY

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



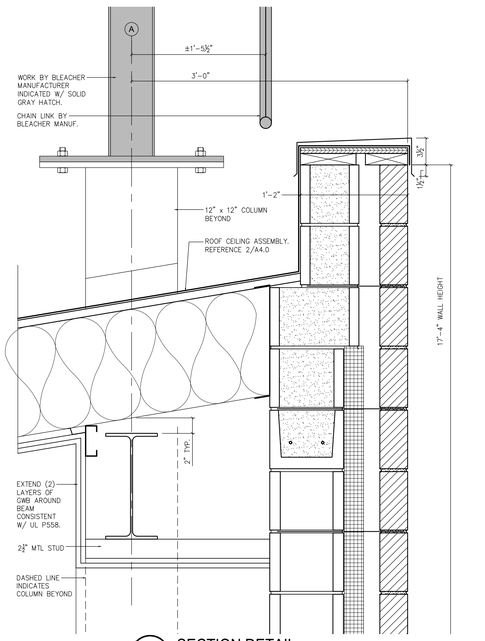
7C A8.3 RETAINING WALL

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



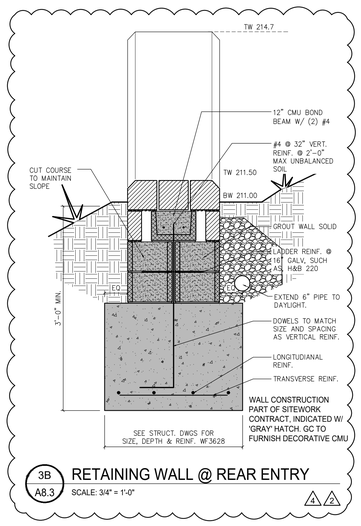
3 A8.3 TYPICAL CANOPY FASCIA

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



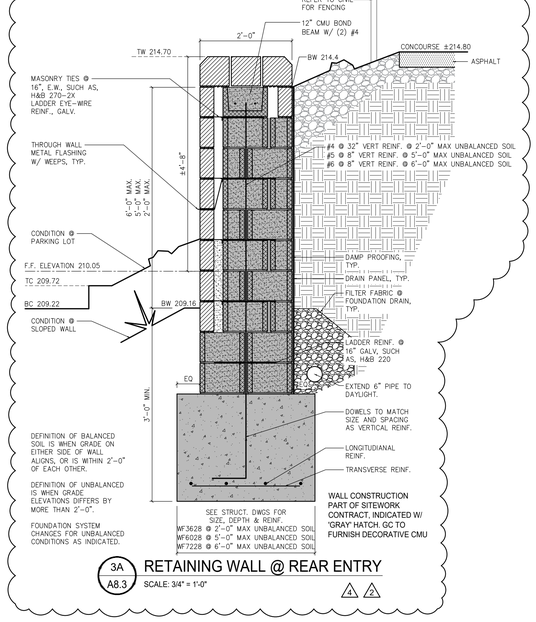
5B A8.3 SECTION DETAIL

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



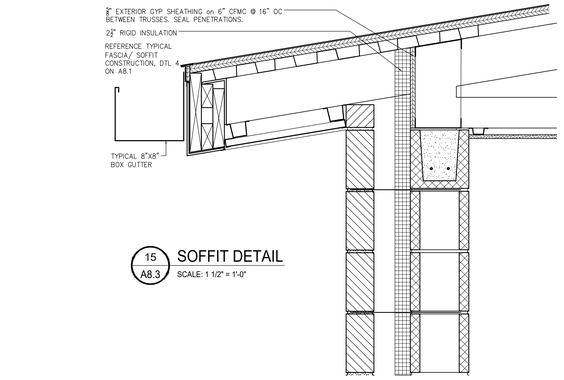
3B A8.3 RETAINING WALL @ REAR ENTRY

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



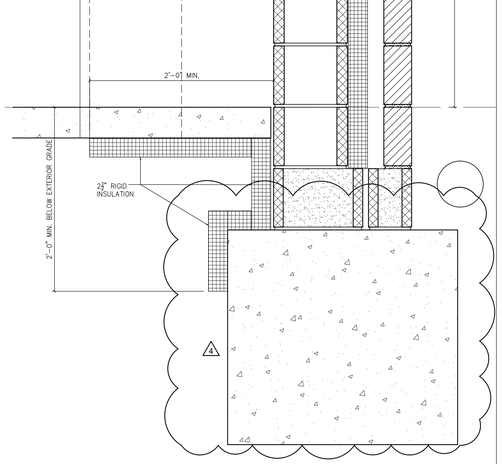
3A A8.3 RETAINING WALL @ REAR ENTRY

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



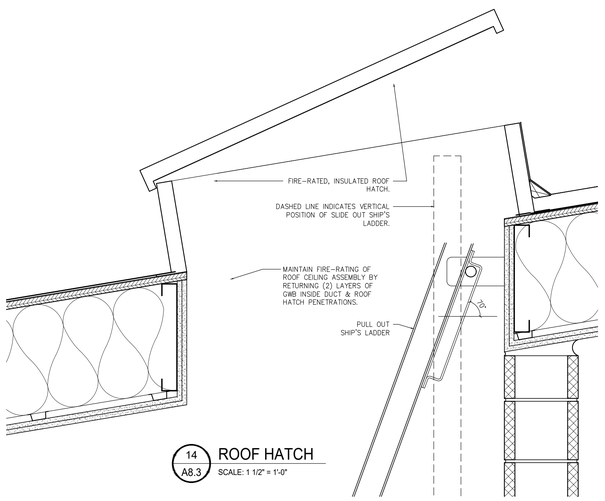
15 A8.3 SOFFIT DETAIL

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



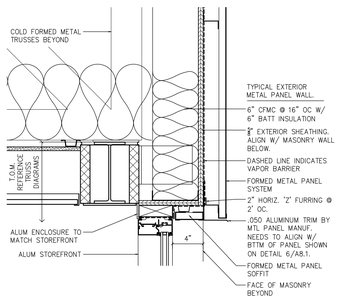
5A A8.3 TYP. FOUNDATION DETAIL

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



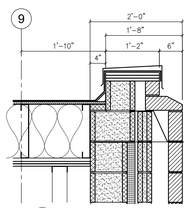
14 A8.3 ROOF HATCH

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



16 A8.3 DETAIL @ METAL PANEL

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



17 A8.3 SECTION DETAIL

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

GENERAL NOTES:

VERTICAL FRAMING MEMBERS (STUDS & WALL FURRING) SHALL BE SPACED AT 16" O.C. UNLESS OTHERWISE NOTED

4

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REVISIONS	
BID SET	10/21/2026
ADDENDUM 1	10/29/2026
ADDENDUM 2	11/6/2026
ADDENDUM 3	11/13/2026
ADDENDUM 4	11/16/2026
DRAWN BY	
REVIEWED BY	
JOB #	2665

SHEET TITLE

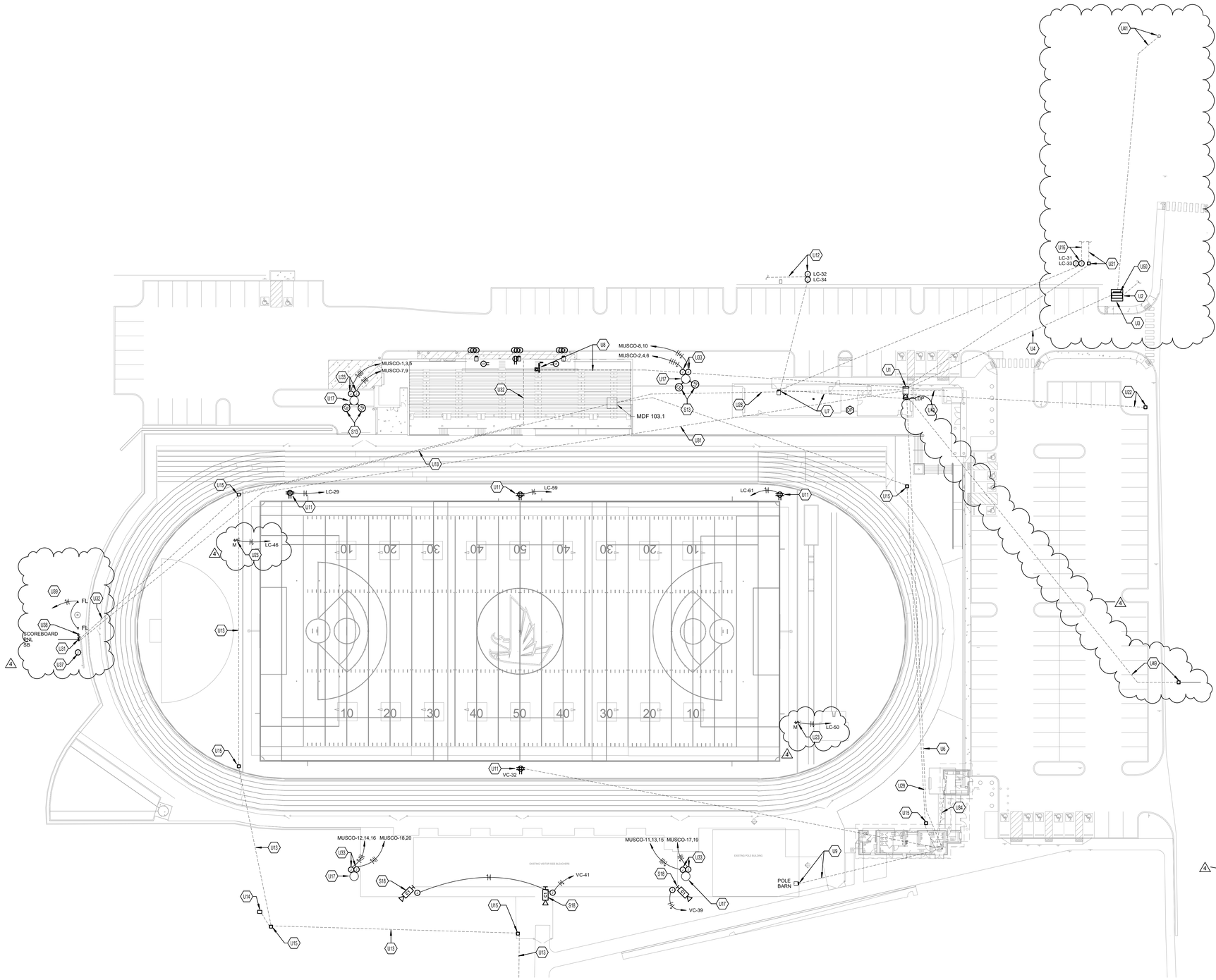
DETAILS

SHEET #

A8.3

SCALE	AS NOTED
DATE	11-16-2026

DRAWING SIZE: 30 X 42



1 SITE UTILITY PLAN - NORTH

SCALE: 1" = 30'-0"

0 15' 30' 60' 90' 120'

ELECTRICAL SITE NOTES

A DO NOT SCALE FROM MECHANICAL AND ELECTRICAL DRAWINGS. FIELD VERIFY REQUIRED DIMENSIONS AND COORDINATE WITH CIVIL DRAWINGS AND SURVEYS.

B REFER ALSO TO ALL OTHER PLANS AND THE SPECIFICATION, BUT ESPECIALLY TO: THE SITE SURVEY, THE ARCHITECTURAL SITE PLAN, THE SITE GRADING PLAN, THE PLANTING PLAN (WHERE AVAILABLE), FOUNDATION PLAN(S), APPROPRIATE MECHANICAL & ELECTRICAL FLOOR PLANS FOR SERVICE CONTINUATIONS, THE SITE UTILITY PLAN - MECHANICAL & ELECTRICAL. WHERE THERE ARE CONFLICTS AMONG THESE PLANS AND/OR RELATED SPECIFICATIONS, ADVISE THESE ENGINEERS AT LEAST TEN DAYS PRIOR TO SUBMISSION OF BIDS.

C ALL FEES AND ANY OTHER COSTS TO UTILITY COMPANIES, MUNICIPALITIES, INSPECTORS, REVIEWING AGENCIES, ETC. ARE TO BE INCLUDED AS A PART OF THIS CONTRACT.

D FEDERAL, STATE, LOCAL, MUNICIPALITY AND UTILITY COMPANY CODES, RULES, REGULATIONS AND REQUIREMENTS APPLY UNLESS EXCEEDED BY THIS DESIGN.

E WHEN INTERRUPTION OF AN EXISTING UTILITY OR SERVICE IS PLANNED OR OCCURS ACCIDENTALLY, THE CONTRACTOR(S) SHALL WORK CONTINUOUSLY AS NEEDED TO RESTORE SAME PROVIDING PREMIUM TIME AS NEEDED AT NO INCREASE IN THE CONTRACT PRICE.

F LOCATIONS, DEPTHS, MATERIAL TYPES, ELEVATIONS, ETC. OF ALL APPURTENANCES, LINES, BUILDINGS, ETC. INDICATED ON THESE DRAWINGS WERE TAKEN FROM VARIOUS SOURCES, ARE DIAGRAMMATIC ONLY AND ARE SUBJECT TO SUBSTANTIAL VARIATION FROM EXISTING CONDITIONS, EXISTING UTILITIES LOCATIONS MAY VARY. CONSEQUENTLY ALL CONTRACTORS SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO ENSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE. FOR SAFETY PURPOSES, PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL FEDERAL, STATE, AND/OR LOCAL RULES, REGULATIONS, STANDARDS AND SAFETY REQUIREMENTS.

G PROVIDE LONG RADIUS ELBOWS FOR UNDERGROUND CONDUIT BENDS. WHERE SERVING A UTILITY OWNED TRANSFORMER, THE UTILTY STANDARDS SHALL TAKE PRECEDENCE.

H UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY. IF ANY VARIATION OCCURS, CONSULT THE ENGINEER. CONTRACTOR SHALL VISIT THE SITE AND FIELD VERIFY THE ROUTING OF ALL UTILITIES NEW AND EXISTING PRIOR TO SUBMISSION OF BIDS. SUBMISSION OF A BID PROPOSAL INDICATES THAT THE CONTRACTOR IS FULLY AWARE OF ALL OBSTRUCTIONS AND WILL INSTALL ALL OF THE NEW UTILITIES WITHOUT REQUESTS FOR ANY ADDITIONAL CHANGES.

I PROVIDE GALVANIZED RIGID CONDUIT FOR EXTERIOR UNDERGROUND TRANSITIONS TO ABOVE GRADE; EXTEND CONDUIT A MINIMUM OF 6" ABOVE GRADE.

J CONTRACTOR SHALL PERFORM A SMOKE TEST ON ALL CONDUITS INSTALLED ON SITE AND SHALL TAKE ALL NECESSARY CORRECTIVE ACTION IF NOT FOUND IN COMPLIANCE WITH FACILITY STANDARDS.

K CONTRACTOR SHALL CONTACT ENGINEER FOR INSPECTION OF TRENCHES PRIOR TO INSTALLATION OF CONDUITS OR RACEWAYS. PROVIDE PHOTOS UPON REQUEST.

L CONTRACTOR SHALL CUT AND PATCH ALL PAVEMENT, CURBING, ETC. AS REQUIRED FOR WORK. CONTRACTOR SHALL REPAIR ALL LANDSCAPING THAT IS DAMAGED FOR WORK. FINISH GRADE, SEED AND STRAW ALL DISTURBED GREEN SPACES. ALL PATCH AND REPAIR WORK SHALL BE IN ACCORDANCE WITH BOTH CIVIL AND LANDSCAPE DRAWINGS AND SPECIFICATIONS.

M COORDINATE UNDERGROUND ELECTRICAL WITH ALL LANDSCAPING AND FENCING, ADJUST ELECTRICAL LINES TO AVOID CONFLICTS. REFER TO LANDSCAPING PLANS FOR FURTHER INFORMATION. AVOID ROUTING UNDERGROUND CONDUITS UNDER ROADWAYS OR PARKING LOTS, CROSS ROADWAYS WITH UNDERGROUND CONDUITS AT 90 ANGLES WHERE POSSIBLE.

N PLANNED INTERRUPTION OF ANY SERVICE SHALL BE COORDINATED WITH THE APPROPRIATE MUNICIPALITY OR UTILITY COMPANY, THE ARCHITECT, AND THE BUILDING OPERATORS AT LEASTE ONE WEEK IN ADVANCE OF ANTICIPATED INTERRUPTION. A SCHEDULE FOR THESE OUTAGES SHALL BE DEVELOPED AND AGREED UPON BETWEEN THE PARTIES MENTIONED TO AVOID UNNECESSARY INCONVENIENCE TO THE OWNER OR ANY AFFECTED PARTY. NOTIFY THE UTILITY COMPANY OF ANY ANTICIPATED SERVICES REQUIRED FROM THEM AT LEAST TWO WEEKS IN ADVANCE IN WRITING AND INSURE THAT THEY DO NOT DELAY WORK.

O THE LOCATIONS OF UTILITIES SHOWN WITHIN THESE DRAWINGS ARE APPROXIMATE ONLY.

P THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY EXCAVATION WORK REQUIRED TO LOCATE UNDERGROUND UTILITIES. THE CONTRACTOR IS ALSO REQUIRED TO NOTIFY ANY OTHER AFFECTED UTILITY OWNERS PRIOR TO DIGGING. IN THE EVENT OF ACCIDENTAL INTERRUPTION OF SERVICE, CONTRACTOR WILL IMMEDIATELY NOTIFY THE OTHER UTILITY OWNERS.

Q THE CONTRACTOR WILL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD OTHER EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND AROUND THE OTHER UTILITIES. THE UTILITY WILL BE REQUIRED TO FURNISH SUCH EQUIPMENT.

R CONTRACTOR SHALL PAY ALL TAP FEES, UTILITY COST, UTILITY CONNECTION COSTS, METER FEES, EXTENSION AND DEVELOPMENT CHARGES. REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

S THE UTILITY WILL PROVIDE STAKING DATA INCLUDING NORTHING AND EASTING DATA AS REQUIRED OR SHOWN ON DRAWINGS.

T REATTACH ALL TAPS AND TRANSFORMERS AS TO MAINTAIN EXISTING PHASE CONNECTIONS.

U CONTRACTOR RESPONSIBLE FOR MAINTAINING DOWNSTREAM SERVICE FROM REMOVED EQUIPMENT ON SITE, INCLUDING BUT NOT LIMITED TO SITE LIGHTING, TRANSFORMERS, ETC.

V WHEN DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS INDICATED ON THE DRAWINGS: THE CONTRACTOR SHALL ENSURE THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN "PRE-DEMOLITION" WORKING ORDER. "LEFT-OVER" CIRCUIT BREAKERS SHALL REMAIN, BE SWITCHED TO OFF POSITION, AND BE LABELED AS SPARES IN THEIR PANELS. PROVIDE NEW TYPEWRITTEN DIRECTORIES FOR ALL PANELS AFFECTED.

W REMOVE ALL ASSOCIATED BACKBOXES, CONDUIT AND CONDUCTORS FOR DEVICES/FIXTURES/ETC. BEING REMOVED (BACK TO SOURCE), WHETHER INDICATED OR NOT (UON).

X COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. (INDICATED FOR DEMOLITION) WITH OWNER. TURN OVER ITEMS REMOVED TO OWNER AT THEIR OPTION.

Y COORDINATE WITH OTHER TRADES FOR THE REMOVAL AND/OR RELOCATION OF ELECTRICAL DEVICES AND CONNECTIONS ASSOCIATED WITH THEIR EQUIPMENT.

TAGGED NOTES

S13 SOUND SYSTEM SPEAKERS TO BE MOUNTED VIA STRAP SYSTEM TO POLE IN LOCATIONS SHOWN AT 45' AFG. SPEAKERS ARE FURNISHED AND INSTALLED BY OTHERS. CONTRACTOR SHALL PROVIDE 1.5" CONDUIT WITH PULL WIRE FROM SOUND SYSTEM RACK IN MDF 103.1 AND ROUTE INTO LIGHT POLE.

S18 SITE CAMERA BY OTHERS. PROVIDE 120V POWER AT EACH LOCATION AS INDICATED. PROVIDE ONE 6 STRAND SINGLE MODE FIBER OPTIC CABLE TO ELEC RM 212 AND TERMINATE IN CCTV RACK. PROVIDE FIBER OPTIC ENCLOSURE AT CAMERA LOCATION TO TERMINATE FIBER OPTIC CABLING.

U1 600A 480/277V, 3PH, 4W MAIN DISTRIBUTION PANEL. REFER TO ONELINE FOR ADDITIONAL INFORMATION.

U2 PROVIDE PRIMARY TO UTILITY TRANSFORMER PER PECO'S REQUIREMENTS.

U3 UTILITY TRANSFORMER PER PECO'S STANDARDS. COORDINATE SERVICE SHUTDOWNS AND CONNECTIONS WITH UTILITY AND OWNER PRIOR TO WORK.

U4 PROVIDE SERVICE SECONDARY FROM SERVICE TRANSFORMER TO 600A 480/277V, 3PH, 4W MAIN DISTRIBUTION PANEL. COORDINATE ALL SHUTDOWNS AND WORK WITH PECO AND OWNER. REFER TO ONELINE FOR ADDITIONAL INFORMATION.

U6 PROVIDE FEED TO VISITOR SIDE CONCESSION PANEL. REFER TO ONELINE FOR ADDITIONAL INFORMATION.

U7 PROVIDE FEED TO HOME SIDE CONCESSION PANEL. REFER TO ONELINE FOR ADDITIONAL INFORMATION.

U8 PROVIDE FEED TO OFFICE PANEL. REFER TO ONELINE FOR ADDITIONAL INFORMATION.

U9 PROVIDE FEED TO EXISTING POLE BARN PANEL. REFER TO ONELINE FOR ADDITIONAL INFORMATION.

U11 PROVIDE COMBOX CBIT-1830 WITH SYNTHETIC TURF INFILL. MOUNT DUPLEX RECEPTACLE INSIDE BOX IN ACCESSIBLE LOCATION.

U12 MAINTAIN EXISTING HANDHOLE THAT FEEDS EXISTING SCOREBOARD AND ASSOCIATED RECEPTACLES FOR BASEBALL FIELD. INTERCEPT AND EXTEND EXISTING FEEDER AND REROUTE TO PANEL INDICATED.

U13 PROVIDE 4" CONDUIT WITH 6 CELL FABRIC MESH INNERDUCTS AND ROUTE ONE 24 STRAND FIBER OPTIC CABLE FROM SCHOOL TERMINATION POINT TO MDF 103.1 LOCATED IN HOME SIDE BELOW BLEACHERS. COORDINATE ROUTING WITH OWNER FROM MDP LOCATED WITHIN HIGH SCHOOL. REFER TO NOTE U18.

U14 BID ALTERNATE. PROVIDE 12 STRAND SINGLE MODE FIBER OPTIC CABLE TO SOCCER FIELD PRESSBOX. PROVIDE WALL MOUNTED CABINET IN PRESSBOX. REFER TO SPECIFICATIONS FOR REQUIREMENTS. ASSUME 50' ADDITIONAL DISTANCE TO PRESSBOX. CONDUIT SHALL BE ROUTED INTO PRESSBOX AND TERMAINTED IN FIBER OPTIC PATCH PANEL IN WALL MOUNTED CABINET. PROVIDE 120V OUTLET FROM PRESSBOX POWER PANEL TO AND MOUNT AT RACK LOCATION.

U15 PROVIDE 24"X24"X24" DEEP HANDHOLE FOR TELECOM FEEDS.

U16 MAINTAIN EXISTING HANDHOLE THAT FEEDS EXISTING BASEBALL BACKSTOP AND BATTING CAGE RECEPTACLES FOR BASEBALL FIELD. INTERCEPT AND EXTEND EXISTING FEEDER AND REROUTE TO PANEL INDICATED.

U17 APPROXIMATE LOCATION OF MUSCO STADIUM POLE LIGHTS. REFER TO MUSCO DRAWINGS FOR ADDITIONAL INFORMATION.

U19 PROVIDE 4" CONDUIT WITH 12 STRAND SINGLE MODE FIBER OPTIC CABLE FROM CONCESSIONS BUILDING MECH ROOM 201 TO TICKET BOOTH WALL RACK.

U21 PROVIDE HANDHOLE AND 4" CONDUIT TO EXISTING BASEBALL BACKSTOP FOR BASEBALL FIELD TELECOM FEED.

U22 PROVIDE 4" CONDUIT WITH 12 STRAND SINGLE MODE FIBER OPTIC CABLE FROM RESTROOM BUILDING ELEC RM 212 TO CONCESSION 211 WALL RACK.

U23 PROVIDE POWER TO PLAY CLOCK.

U28 PROVIDE 4" CONDUIT WITH 12 STRAND SINGLE MODE FIBER OPTIC CABLE TO CONCESSIONS BUILDING MECH ROOM 201 FROM MDF 103.1 LOCATED IN HOME SIDE BELOW BLEACHERS.

U29 PROVIDE 4" CONDUIT WITH 12 STRAND SINGLE MODE FIBER OPTIC CABLE TO RESTROOM BUILDING 212 FROM MDF 103.1 LOCATED IN HOME SIDE BELOW BLEACHERS.

U31 PROVIDE NEW POWER PANEL AT SCOREBOARD LOCATION AND MOUNT TO LEG OF SCOREBOARD.

U32 CONTRACTOR SHALL INSTALL OWNER PROVIDED FIBER OPTIC CABLING BETWEEN SCOREBOARD AND PRESS BOX BUILDING. IN PRESS BOX, ROUTE FIBER AND CONDUIT TO SOUND RACK OWNER PROVIDED CABINET. ALL TERMINATIONS ARE TO BE PROVIDED AND INSTALLED BY OWNER.

U33 POWER FOR MUSCO FOOTBALL AND POLE ACCENT LIGHTING. REFER TO MUSCO DRAWINGS FOR ADDITIONAL INFORMATION.

U34 PROVIDE 4" CONDUIT WITH 12 STRAND SINGLE MODE FIBER OPTIC CABLE FROM ELEC 212 TO CONCESSION 211.

U37 SCOREBOARD INSTALLER TO PROVIDE POWER FEED BETWEEN NEW PANELBOARD AND MAKE FINAL SCOREBOARD CONNECTION.

U38 PROVIDE PHOTOCELL MOUNTED ON SCOREBOARD TO AUTOMATICALLY CONTROL FLAGPOLE LIGHTING. PROVIDE LOCKABLE MOTOR RATED SWITCH AHEAD OF PHOTOCELL TO CUT POWER TO CIRCUIT.

U39 MOUNT FLAGPOLE LIGHTS 8' FROM FLAGPOLE PER MANUFACTURER RECOMMENDATIONS. PROVIDE CIRCUIT TO SCOREBOARD PANEL SB FOR FLAGPOLE LIGHTS. REFER TO PANEL SCHEDULE.

U41 PROVIDE TWO SCHEDULE 40 5-INCH PVC PRIMARY DUCT FROM VAULT LOCATION TO TERMINAL POLE. REFER TO PECO ELECTRIC SERVICE REQUIREMENT BOOK FOR ADDITIONAL REQUIREMENTS. CONTRACTOR SHALL SUPPLY AND INSTALL 3-1X1/0 JACKED ALUMINUM 35 KV UNDERGROUND CABLE FROM VAULT LOCATION TO PROPOSED TERMINAL POLE. CUSTOMER TO COIL 50' OF CABLING AT POLE FOR PECO TO INSTALL UP TO THE PRIMARY POSITION.

U49 REFEED EXISTING 20A/3P LIGHTING BRANCH CIRCUIT. PROVIDE NEW HANDHOLE IN THIS LOCATION AND SPLICE CONDUCTORS.

U50 PECO ENERGY TO DELIVER AND SET PECO TRANSFORMER ON CUSTOMER INSTALLED PRECAST VAULT. CONTRACTOR SHALL PROVIDE AND INSTALL A PECO APPROVED CONCRETE PRECAST VAULT. PROVIDE 8' X 8' X 5' DEEP TRANSFORMER VAULT ON CRUSHED STONE. SEE PECO ENERGY ELECTRIC SERVICE REQUIREMENT BOOK SECTION 12 FIG 12.12. CONTRACTOR SHALL MAKE ALL TRANSFORMER CONNECTIONS AND UTILIZE 3-35 KV LOAD BREAK ELBOWS ON 1/0 35 KV CABLE. LEAVE SUFFICIENT SLACK INSIDE TRANSFORMER CABINET TO ALLOW PECO ENERGY TO INSTALL CUSTOMER'S PRIMARY ELBOWS ON PRIMARY BUSHINGS OF TRANSFORMER (MINIMUM 20' SLACK). CONTRACTOR TO INSTALL CURRENT AND POTENTIAL TRANSFORMERS FOR METERING INSIDE SECONDARY COMPARTMENT OF TRANSFORMER AND PROVIDE REGID METAL CONDUIT FROM SECONDARY COMPARTMENT TO APPROVED METER LOCATION. PECO ENERGY TO WIRE CURRENT TRANSFORMERS, POTENTIAL TRANSFORMERS AND SET METER.

UTILITY COMPANY CONTACTS

POWER
EXELON
W/O#: 21124609 RICHARD LANG 610.310.9980

IT IS THE CONTRACTORS RESPONSIBILITY TO MEET ALL LOCAL ORDINANCE AND MUNICIPAL REQUIREMENTS RELATED TO UTILITY INSTALLATION, INSPECTIONS, MATERIALS, FEES, ETC.

BEFORE YOU DIG

THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL CONTACT "BUD (BEFORE YOU DIG)" AT 1-800-752-6007 TO OBTAIN UNDERGROUND UTILITY LOCATIONS PRIOR TO ANY CONSTRUCTION. ANY CONTRACTOR OR SUBCONTRACTOR PERFORMING ANY TYPE OF EXCAVATION ON THIS PROJECT SHALL CALL "BUD" TO OBTAIN AN AUTHORIZATION NUMBER.

STAMP

CONSULTANTS

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REVISIONS	
BID SET	10/21/2026
ADDENDUM 4	11/16/2026

DRAWN BY	TRR
REVIEWED BY	RC
JOB #	2665

SHEET TITLE

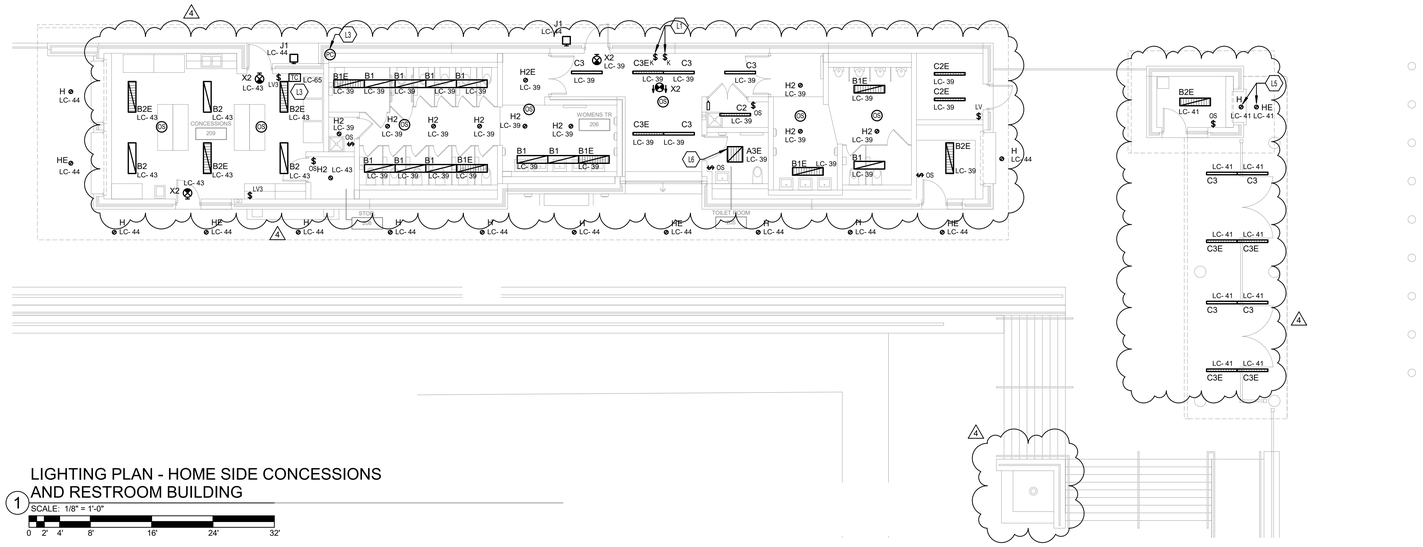
ELECTRICAL SITE UTILITY PLAN - NORTH

SHEET #

EU-101

SCALE	AS NOTED
DATE	11-16-2026

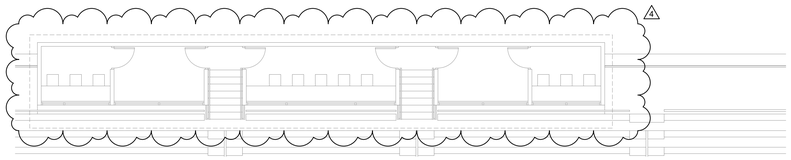
DRAWING SIZE: 30 X 42



LIGHTING PLAN - HOME SIDE CONCESSIONS AND RESTROOM BUILDING

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

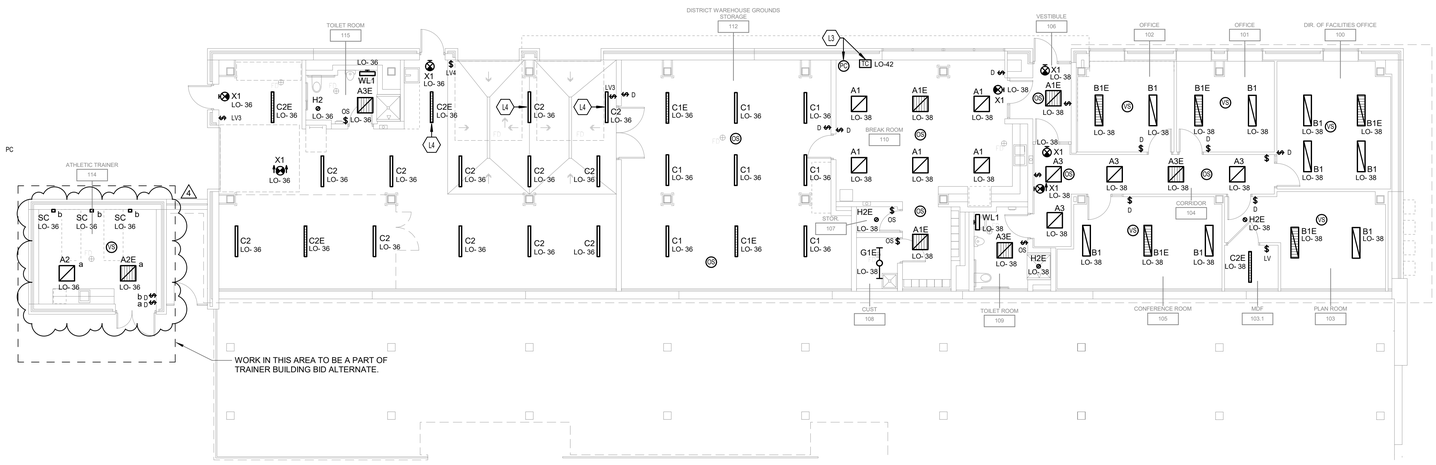
0 2' 4' 8' 16' 24' 32'



LIGHTING PLAN - HOME SIDE BLEACHERS COACHES BOX

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

0 2' 4' 8' 16' 24' 32'



LIGHTING PLAN - HOME SIDE UNDER BLEACHERS

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

0 2' 4' 8' 16' 24' 32'

TAGGED NOTES

##

- L1 KEY SWITCHES FOR CONTROL OF RESTROOMS. COORDINATE LOCATION OF SWITCHES WITH OWNER PRIOR TO ROUGH-IN.
- L3 PROVIDE PHOTOCELL ON ROOF FACING NORTH AND TIMECLOCK FOR EXTERIOR LIGHTING CONTROL. COORDINATE FINAL LOCATION OF TIMECLOCK WITH OWNER PRIOR TO ROUGH-IN.
- L4 PROVIDE UNISTRUT OR PENDANT MOUNT LIGHT FIXTURE BELOW DUCTWORK AND TO PREVENT LIGHT FIXTURES FROM SWAYING INTO GARAGE DOORS.
- L5 LIGHTING FIXTURES ARE MOUNTED IN TWO SEPARATE CANOPIES STACKED ON TOP OF EACH OTHER. LIGHT FIXTURE 'H' IS MOUNTED IN CANOPY ABOVE AND LIGHT FIXTURE 'HE' IS MOUNTED IN CANOPY ABOVE TICKET BOOTH WINDOW. THE LIGHT FIXTURES ARE ALIGNED ON TOP OF EACH OTHER AND ARE NOT MOUNTED AS SHOWN ON DRAWING. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.
- L6 PROVIDE DRYWALL INTSTALLATION KIT FOR TROFFER FIXTURE.

STAMP

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BID SET	10/21/2026
ADDENDUM 4	11/16/2026

DRAWN BY	TRR
REVIEWED BY	RC
JOB #	2665

SHEET TITLE

LIGHTING PLAN - HOME SIDE PAVILION

SHEET #

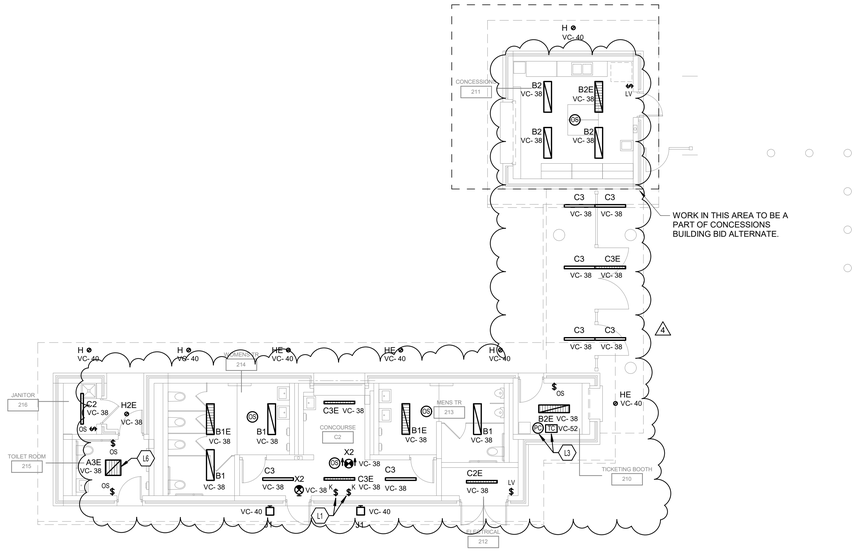
E-101

SCALE	AS NOTED
DATE	11-16-2026

DRAWING SIZE: 30 X 42

TAGGED NOTES

L1	KEY SWITCHES FOR CONTROL OF RESTROOMS. COORDINATE LOCATION OF SWITCHES WITH OWNER PRIOR TO ROUGH-IN.
L3	PROVIDE PHOTOCELL ON ROOF FACING NORTH AND TIMECLOCK FOR EXTERIOR LIGHTING CONTROL. COORDINATE FINAL LOCATION OF TIMECLOCK WITH OWNER PRIOR TO ROUGH-IN.
L6	PROVIDE DRYWALL INTSTALLATION KIT FOR TROFFER FIXTURE.



LIGHTING PLAN - VISITORS SIDE CONCESSIONS AND BLEACHERS

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

0 1" 2' 4' 8' 12' 16'

DRAWING SIZE: 30 X 42

STAMP

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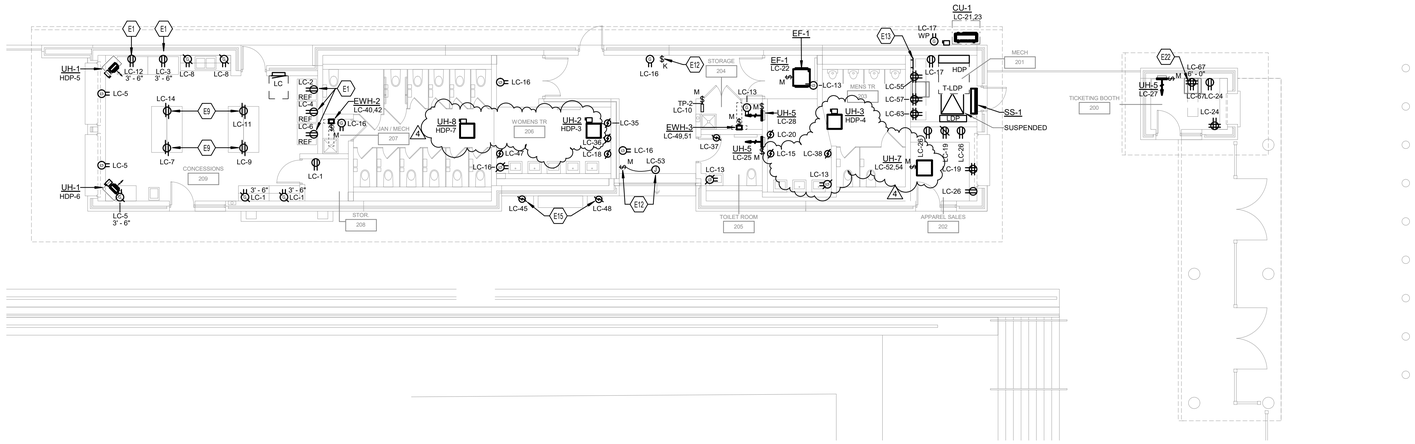
SHEET TITLE

LIGHTING PLAN - VISITORS SIDE PAVILION

SHEET #

E-102

SCALE	AS NOTED
DATE	11-16-2026



POWER PLAN - HOME SIDE CONCESSIONS AND RESTROOM BUILDING

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

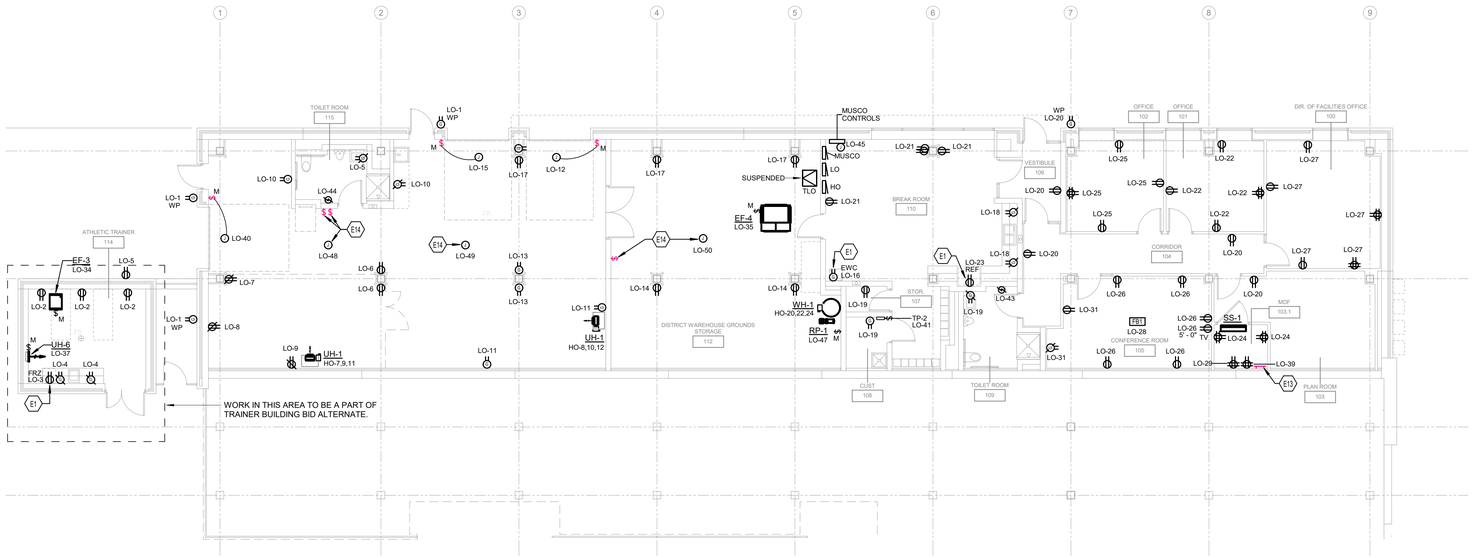
0 2' 4' 8' 16' 24' 32'



POWER PLAN - HOME SIDE BLEACHERS COACHES BOX

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

0 2' 4' 8' 16' 24' 32'



POWER PLAN - HOME SIDE UNDER BLEACHERS

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

0 2' 4' 8' 16' 24' 32'

TAGGED NOTES

##

- E1 PROVIDE EQUIPMENT WITH A GFCI CIRCUIT BREAKER.
- E6 PRESS BOX PANEL - PROVIDED BY PRESS BOX VENDOR. PROVIDE FEEDER FROM OFFICE PANEL LOCATED IN OFFICE SPACE BELOW. REFER TO ONE LINE DIAGRAM FOR ADDITIONAL INFORMATION.
- E9 PROVIDE CEILING MOUNTED RECEPTACLE FOR HUBBELL CORD REEL HBL(25123GF220M1. WHITE INDUSTRIAL REEL WITH BLACK BOX, GFCI MODULE AND (2) 20A DUPLEX RECEPTACLE, UL TYPE 1, 25FT, #12/3 SJO, 20A, 125VAC. IF A CORD REEL EQUAL IS PROVIDED, REEL AND RECEPTACLE FINISHES SHALL NOT BE YELLOW AND COORDINATED WITH ARCHITECT.
- E12 OVERHEAD DOOR POWER SHALL BE PROVIDED WITH A LOCKABLE NON-REVERSING MOTOR STARTER SWITCH IN PROTECTIVE ENCLOSURE. KEY SWITCH WILL BE PROVIDED FOR CONTROL FOR OVERHEAD DOOR. COORDINATE LOCATION OF SWITCH WITH OWNER PRIOR TO ROUGH-IN.
- E13 PROVIDE TMGB GROUND BAR. REFERT TO SYSTEMS ONE-LINE DIAGRAM FOR REQUIREMENTS.
- E14 PROVIDE POWER FOR OWNER PROVIDED CEILING FAN. COORDINATE LOCATION OF CEILING FAN WITH LIGHTING, CONTROLS, AND FINAL LOCATIONS WITH OWNER PRIOR TO ROUGH-IN.
- E15 EXTERIOR HAND DRYER SHALL BE MOUNTED IN NEMA 3R ENCLOSURE WITH OPENING FOR OPERATION OF HAND DRYER.
- E20 PROVIDE DEDICATED CIRCUIT FOR SOUND RACK. TERMINATE 2#12, #12G ON 20A/1P BREAKER IN PANEL PPB.
- E21 PROVIDE DEDICATED CIRCUIT FOR EXTERIOR RECEPTACLES. TERMINATE 2#12, #12G ON 20A/1P BREAKER IN PANEL PPB.
- E22 PROVIDE POWER FOR WALL MOUNTED DATA RACK. COORDINATE FINAL LOCATION WITH DATA RACK PRIOR TO ROUGH-IN.

4

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POTTSGROVE HIGH SCHOOL FACILITY AND ATHLETIC IMPROVEMENTS

1345 KAUFFMAN RD, POTTSTOWN, PA 19464

REVISIONS	
BID SET	10/21/2026
ADDENDUM 2	11/06/2026
ADDENDUM 4	11/16/2026

DRAWN BY	TRR
REVIEWED BY	RC
JOB #	2665

SHEET TITLE

POWER PLAN - HOME SIDE PAVILION

SHEET #

E-201

SCALE	AS NOTED
DATE	11-16-2026

DRAWING SIZE: 30 X 42

TAGGED NOTES

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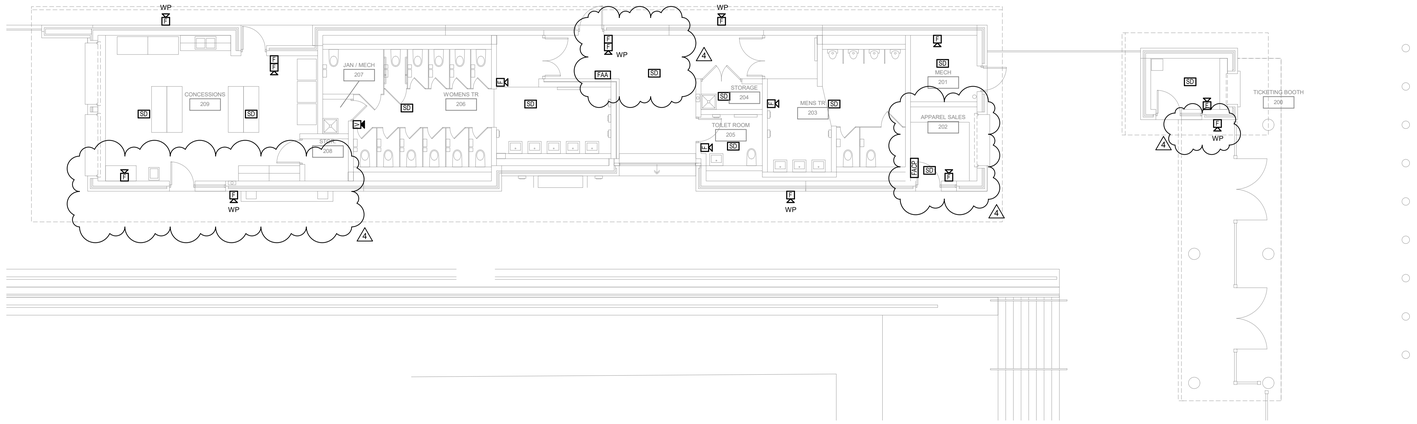
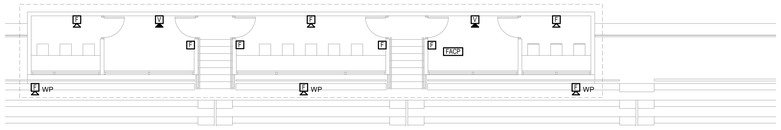


FIRE ALARM PLAN - HOME SIDE
CONCESSIONS AND RESTROOM BUILDING

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

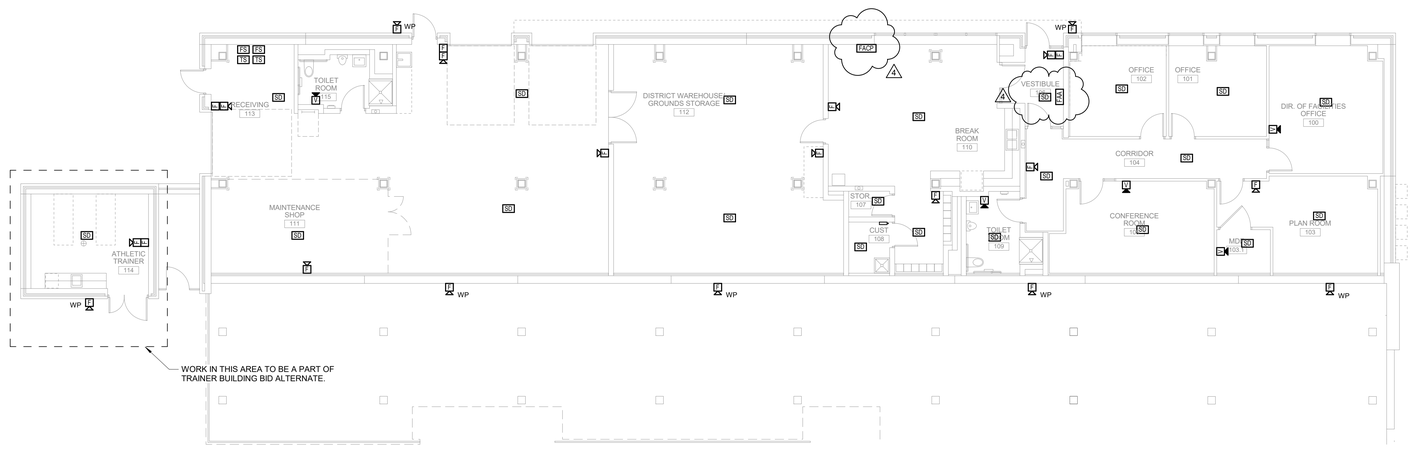
0 2' 4' 8' 16' 24' 32'



FIRE ALARM PLAN - HOME SIDE BLEACHERS
COACHES BOX

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

0 2' 4' 8' 16' 24' 32'



FIRE ALARM PLAN - HOME SIDE UNDER
BLEACHERS

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

0 2' 4' 8' 16' 24' 32'

DRAWING SIZE: 30 X 42

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DRAWN BY	TRR
REVIEWED BY	RC
JOB #	2665

SHEET TITLE

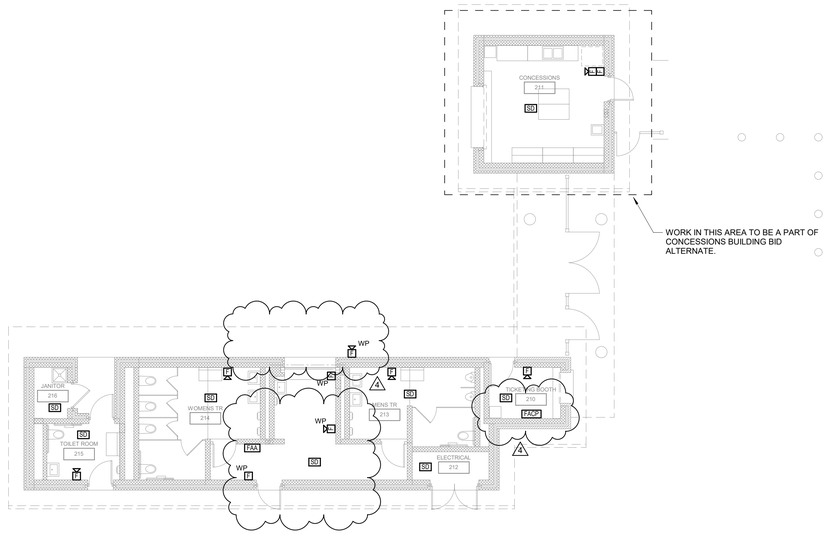
FIRE ALARM PLAN - HOME SIDE PAVILION

SHEET #

E-301

SCALE	AS NOTED
DATE	11-16-2026

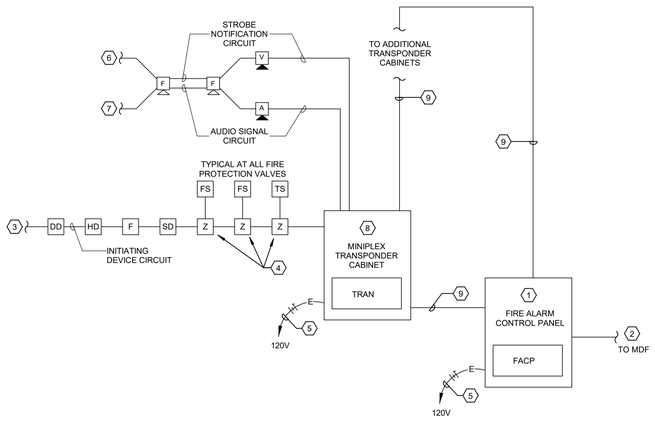
TAGGED NOTES



FIRE ALARM PLAN - VISITORS SIDE
CONCESSIONS AND BLEACHERS

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

0 1' 2' 4' 8' 12' 16'



TAGGED NOTES :

1. FIRE ALARM CONTROL PANEL WITH INTEGRAL MICROPHONE.
2. COMMUNICATIONS LINE TO MDF.
3. TO ADDITIONAL INITIATION DEVICES, REFER TO FLOOR PLANS FOR ALL DEVICE LOCATIONS.
4. PROVIDE A MONITOR "IAM" (INDIVIDUAL ADDRESSABLE MODULE) FOR ADDRESSABLE SUPERVISION OF FIRE PROTECTION VALVES AND FIXED TEMPERATURE HEAT DETECTORS. MONITOR "IAM" SHALL BE SURFACE MOUNTED, IN NEMA-1 ENCLOSURE, ABOVE SUSPENDED CEILING OR ON WALL AS REQUIRED.
5. DEDICATED 120V POWER CIRCUITS FOR FIRE ALARM SYSTEM COMPONENTS AS INDICATED. REFER TO FLOOR PLANS FOR CIRCUIT NUMBERS. PAINT BREAKER SERVING EQUIPMENT RED.
6. TO ADDITIONAL VISUAL NOTIFICATION DEVICES, REFER TO FLOOR PLANS FOR ALL DEVICE LOCATIONS.
7. TO ADDITIONAL AUDIBLE NOTIFICATION DEVICES, REFER TO FLOOR PLANS FOR ALL DEVICE LOCATIONS.
8. PROVIDE MINIPLEX TRANSPONDER CABINET WITH LOCAL MODE CONTROLLER COMPATIBLE WITH FIRE ALARM CONTROL PANEL. REFER TO FLOOR PLANS FOR LOCATIONS. PROVIDE QUANTITY AS REQUIRED TO SERVE ALL INITIATING AND NOTIFICATIONS DEVICES WITH 20% SPARE CAPACITY FOR SYSTEM GROWTH.
9. AUDIO RISER WIRING AND DIGITAL COMMUNICATION WIRING, CONDUCTORS PER MANUFACTURER IN 1"C.

2 FIRE ALARM RISER DIAGRAM - VOICE EVAC

SCALE: NONE

DRAWING SIZE: 30 X 42

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REVIEWED BY	RC
JOB #	2665

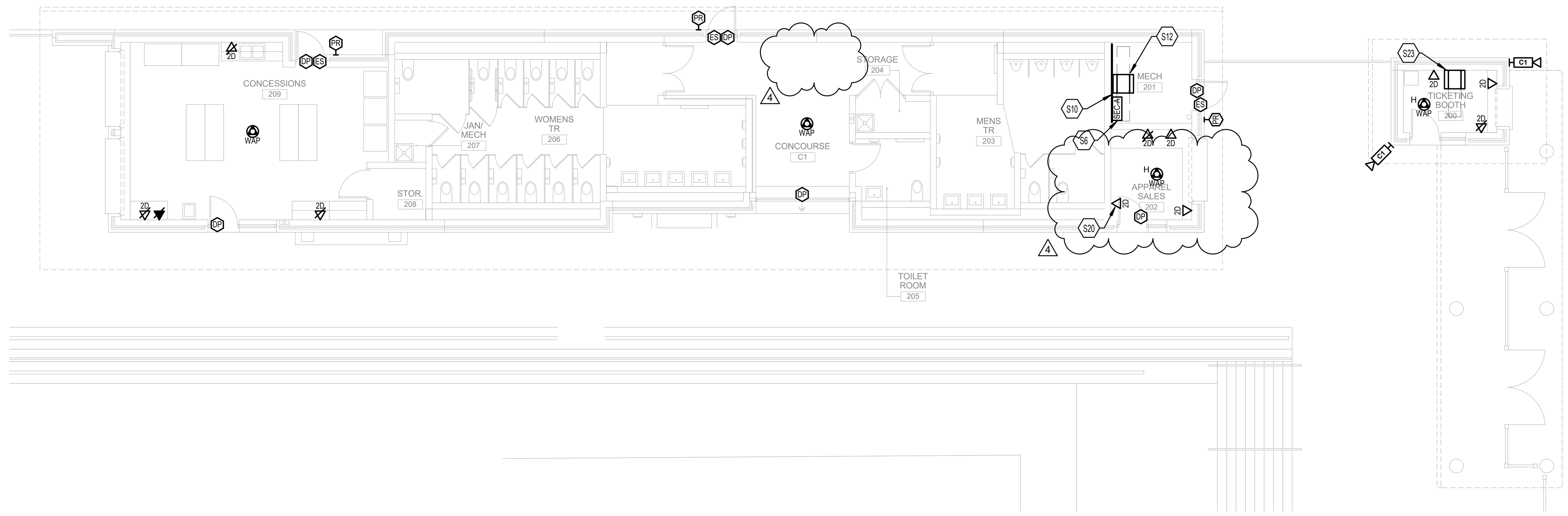
SHEET TITLE

FIRE ALARM PLAN - VISITORS SIDE PAVILION

SHEET #

E-302

SCALE	AS NOTED
DATE	11-16-2026

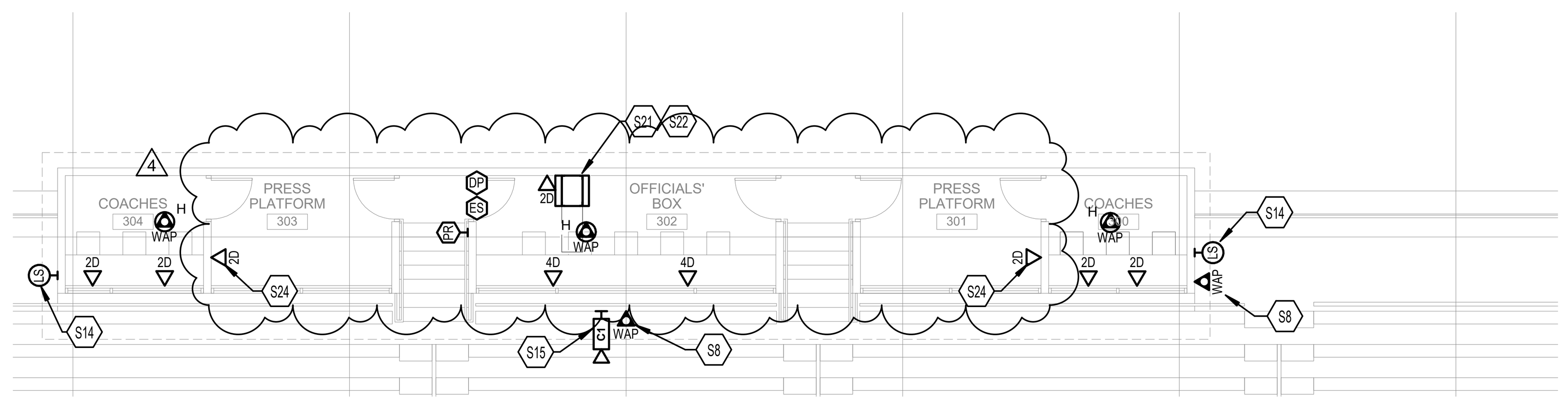


SYSTEMS PLAN - HOME SIDE CONCESSIONS AND RESTROOM BUILDING

1

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

0 2' 4' 8' 16' 24' 32'

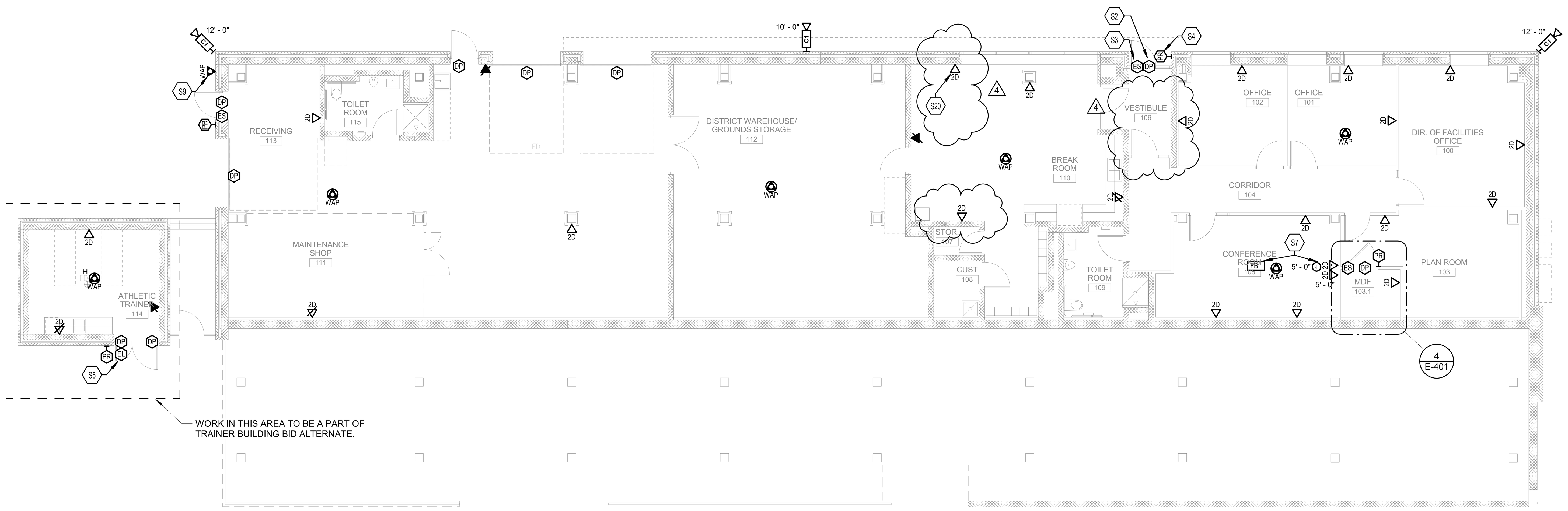


SYSTEMS PLAN - HOME SIDE BLEACHERS COACHES BOX

2

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

0 2' 4' 8' 16' 24' 32'



WORK IN THIS AREA TO BE A PART OF TRAINER BUILDING BID ALTERNATE.

SYSTEMS PLAN - HOME SIDE UNDER BLEACHERS

3

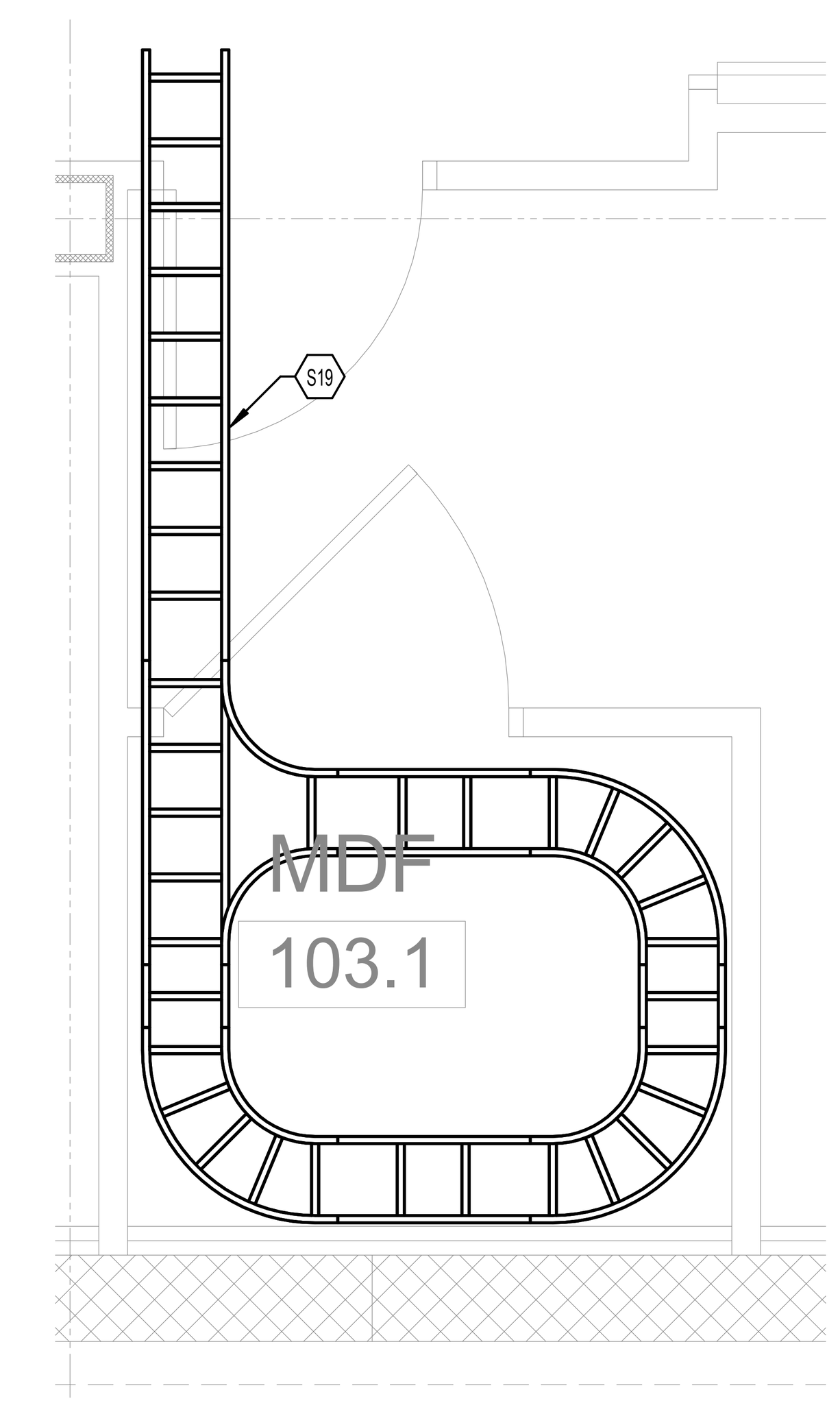
SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 24' 32'

TAGGED NOTES

##

S2	PROVIDE DOOR POSITION AT THIS LOCATION. (TYPICAL)
S3	PROVIDE ELECTRIC STRIKE AT THIS LOCATION. (TYPICAL)
S4	PROVIDE PROXIMITY READER AT THIS LOCATION. (TYPICAL)
S5	PROVIDE ELECTRIC LATCH AT THIS LOCATION. (TYPICAL)
S6	ACCESS CONTROL PANEL LOCATION. PANEL WILL BE PROVIDED AND INSTALLED BY OTHERS. PROVIDE CONDUIT AND JUNCTION BOX INFRASTRUCTURE TO ALL DOOR LOCATIONS AS NOTED ON PLANS AND LEGEND.
S7	PROVIDE 1.5" CONDUIT FOR FUTURE AV CABLING BETWEEN FLOORBOX AND WALL MONITOR.
S8	ROUTE CONDUIT OUT AT 12" BELOW ROOF LEVEL FOR OUTDOOR WAP. PROVIDE CONDUIT STUB-OUT AT LOCATION INDICATED AND COIL UP 15' OR SPARE CATEGORY CABLING ABOVE CEILING IN BUILDING.
S9	ROUTE CONDUIT OUT AT 9' AFF FOR OUTDOOR WAP. PROVIDE CONDUIT STUB-OUT AT LOCATION INDICATED AND COIL UP 15' OR SPARE CATEGORY CABLING ABOVE CEILING IN BUILDING.
S10	PROVIDE FIRE RETARDANT BACKBOARD IN LOCATION SHOWN. REFER TO SPECIFICATION FOR ADDITIONAL REQUIREMENTS.
S12	PROVIDE FLOOR MOUNTED 4 POST DATA RACK. REFER TO SPECIFICATIONS AND SYSTEMS RISER DIAGRAM FOR REQUIREMENTS.
S14	SOUND SYSTEM SPEAKERS TO BE MOUNTED TO ROOF OF PRESSBOX. SPEAKERS ARE FURNISHED AND INSTALLED BY OTHERS. CONTRACTOR TO PROVIDE CONDUIT STUB-OUTS ON SIDE WALL BELOW ROOF LEVEL FOR FUTURE CABLING. FROM STUB-OUT LOCATION, PROVIDE 1.5" CONDUIT FROM EACH LOCATION TO SOUND SYSTEM RACK IN PRESS BOX.
S15	PROVIDE 1" CONDUIT STUB OUT FOR CAMERA AT 12" BELOW ROOF LEVEL. COIL UP 25' OF CATEGORY CABLING ABOVE CEILING INSIDE BUILDING.
S19	INSTALL 12' LADDER RACK CABLE TRAY TO CORRIDOR. ONCE IN CORRIDOR, CABLING MAY BE ROUTED IN J-HOOKS WHERE CONCEALED ABOVE CEILING OR IN CONDUITS WHERE EXPOSED.
S20	PROVIDE DATA CONNECTION FOR FACP. COORDINATE FINAL LOCATION WITH FACP INSTALLER. DATA TO BE CONCEALED IN FACP, NOT SEPARATE FACEPLATE.
S21	SOUND SYSTEM RACK TO BE PROVIDED AND INSTALLED BY OTHERS. PROVIDE SOUND SYSTEM CONDUITS NOTED ON PLAN TO THIS LOCATION AND STUB UP IN FLOOR.
S22	ROUTE 6 STRAND SINGLE MODE FIBER OPTIC CABLE FROM MDF TO SOUND SYSTEM RACK. TERMINATE FIBER IN OWNER PROVIDED RACK. REFER TO SYSTEMS ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATIION.
S23	PROVIDE WALL MOUNTED RACK ENCLOSURE TRIPPLITE SMART RACK 15 RU SRW15US. IN RACK PROVIDE 6 STRAND FIBER OPTIC PATCH PANEL, CATEGORY CABLING PATCH PANEL FOR TICKETING BOOTH OUTLETS, AND SEPARATE COPPER PATCH PANEL FOR ASSOCIATED CCTV CABLING PATCH PANELS. PROVIDE 6 STRAND SINGLE MODE FIBER OPTIC CABLE BETWEEN RACK LOCATION AND DATA RACK IN VISITOR CONCESSIONS BUILDING. MOUNT ON THE WALL WITH TOP OF RACK 12" BELOW FINISHED CEILING.
S24	PROVIDE WEATHERPROOF TYPE DATA OUTLET WITH SURGE SUPPRESSION DEVICE IN THIS LOCATION.

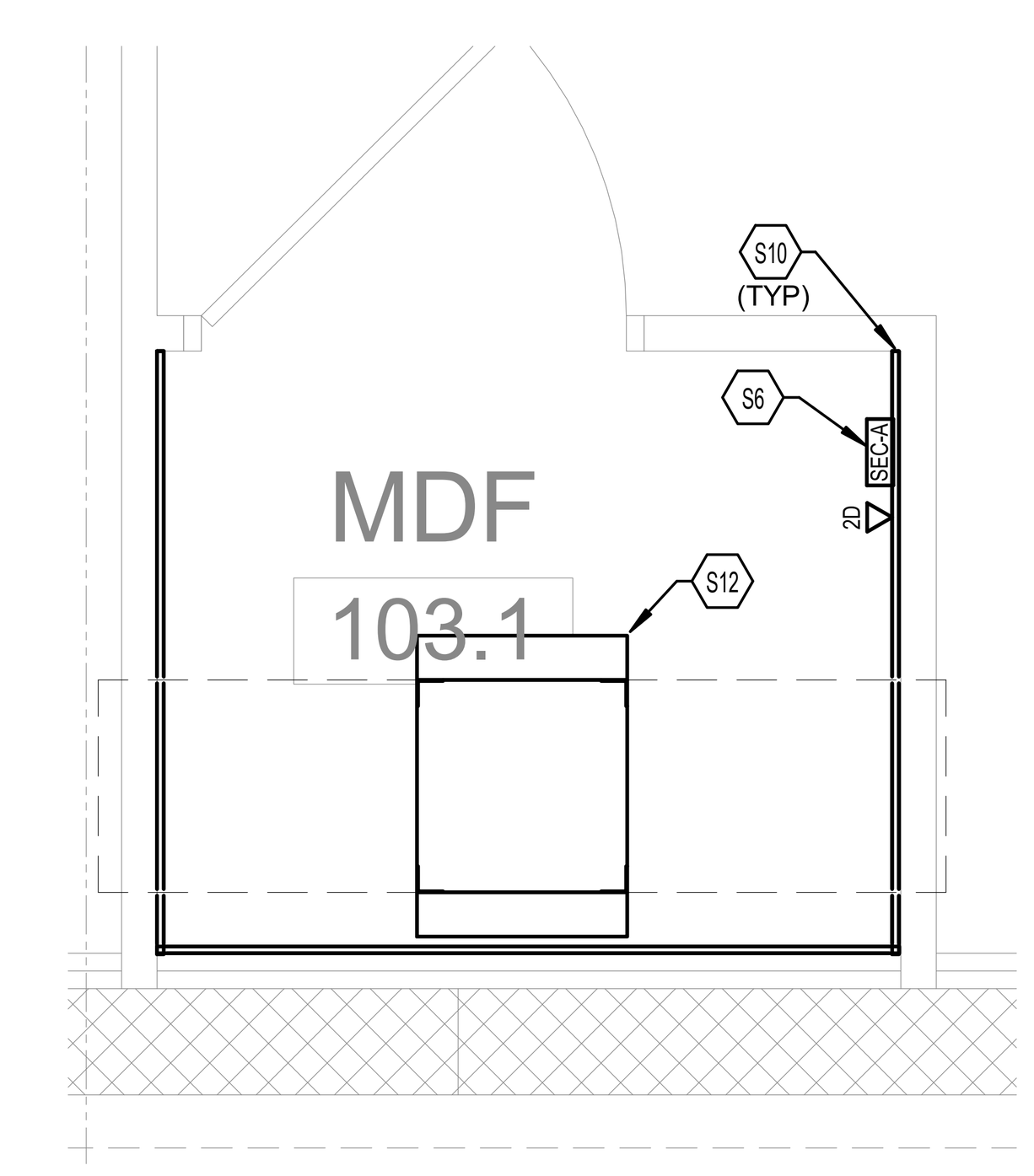


ENLARGED SYSTEMS PLAN - MDF 103.1 CABLE TRAY PLAN

5

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

0 0.5' 1' 2' 4' 6' 8'



ENLARGED SYSTEMS PLAN - MDF 103.1

4 | 3 E-401

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

0 0.5' 1' 2' 4' 6' 8'

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REVISIONS	
BID SET	10/21/2026
ADDENDUM 4	11/16/2026

DRAWN BY	Designer
REVIEWED BY	RC
JOB #	2665

SHEET TITLE

SYSTEMS PLAN - HOME SIDE PAVILION

SHEET #

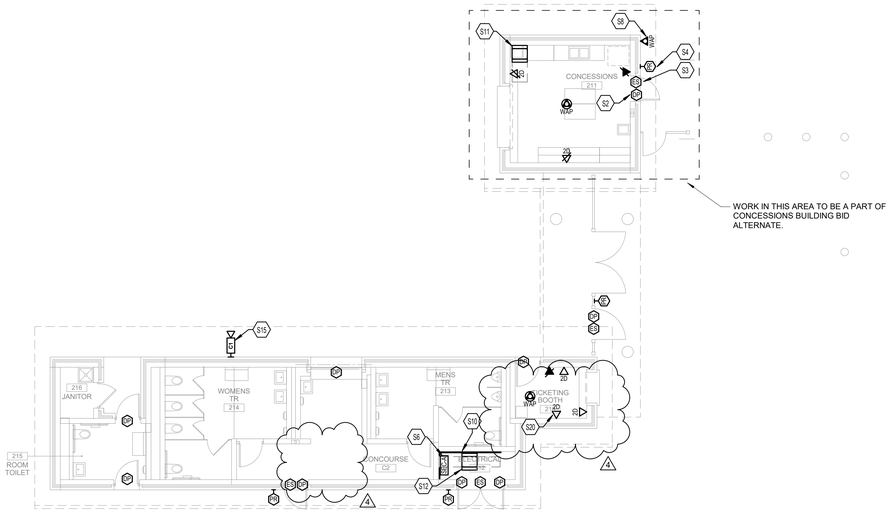
E-401

SCALE	AS NOTED
DATE	11-16-2026

DRAWING SIZE: 30 X 42

TAGGED NOTES

S2	PROVIDE DOOR POSITION AT THIS LOCATION. (TYPICAL)
S3	PROVIDE ELECTRIC STRIKE AT THIS LOCATION. (TYPICAL)
S4	PROVIDE PROXIMITY READER AT THIS LOCATION. (TYPICAL)
S6	ACCESS CONTROL PANEL LOCATION. PANEL WILL BE PROVIDED AND INSTALLED BY OTHERS. PROVIDE CONDUIT AND JUNCTION BOX INFRASTRUCTURE TO ALL DOOR LOCATIONS AS NOTED ON PLANS AND LEGEND.
S8	ROUTE CONDUIT OUT AT 12" BELOW ROOF LEVEL FOR OUTDOOR WAP. PROVIDE CONDUIT STUB-OUT AT LOCATION INDICATED AND COIL UP 15' OR SPARE CATEGORY CABLING ABOVE CEILING IN BUILDING.
S10	PROVIDE FIRE RETARDANT BACKBOARD IN LOCATION SHOWN. REFER TO SPECIFICATION FOR ADDITIONAL REQUIREMENTS.
S11	PROVIDE WALL MOUNTED RACK ENCLOSURE TRIPPLITE SMART RACK 15 RU SRW15US. IN RACK PROVIDE 6 STRAND FIBER OPTIC PATCH PANEL, CATEGORY CABLING PATCH PANEL FOR TICKETING BOOTH OUTLETS, AND SEPARATE COPPER PATCH PANEL FOR ASSOCIATED CCTV CABLING PATCH PANELS. PROVIDE 6 STRAND SINGLE MODE FIBER OPTIC CABLE BETWEEN RACK LOCATION AND DATA RACK IN VISITOR CONCESSIONS BUILDING. MOUNT ON THE WALL WITH TOP OF RACK 12" BELOW FINISHED CEILING.
S12	PROVIDE FLOOR MOUNTED 4 POST DATA RACK. REFER TO SPECIFICATIONS AND SYSTEMS RISER DIAGRAM FOR REQUIREMENTS.
S15	PROVIDE 1" CONDUIT STUB OUT FOR CAMERA AT 12" BELOW ROOF LEVEL. COIL UP 25' OF CATEGORY CABLING ABOVE CEILING INSIDE BUILDING.
S20	PROVIDE DATA CONNECTION FOR FACP. COORDINATE FINAL LOCATION WITH FACP INSTALLER. DATA TO BE CONCEALED IN FACP, NOT SEPARATE FACEPLATE.



SYSTEMS PLAN - VISITORS SIDE CONCESSIONS AND BLEACHERS

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

0 1' 2' 4' 8' 12' 16'

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DRAWN BY	TRR
REVIEWED BY	RC
JOB #	2665

SHEET TITLE

SYSTEMS PLAN - VISITORS SIDE PAVILION

SHEET #

E-402

SCALE	AS NOTED
DATE	11-16-2026

DRAWING SIZE: 30 X 42

ONE-LINE DIAGRAM LINETYPE LEGEND

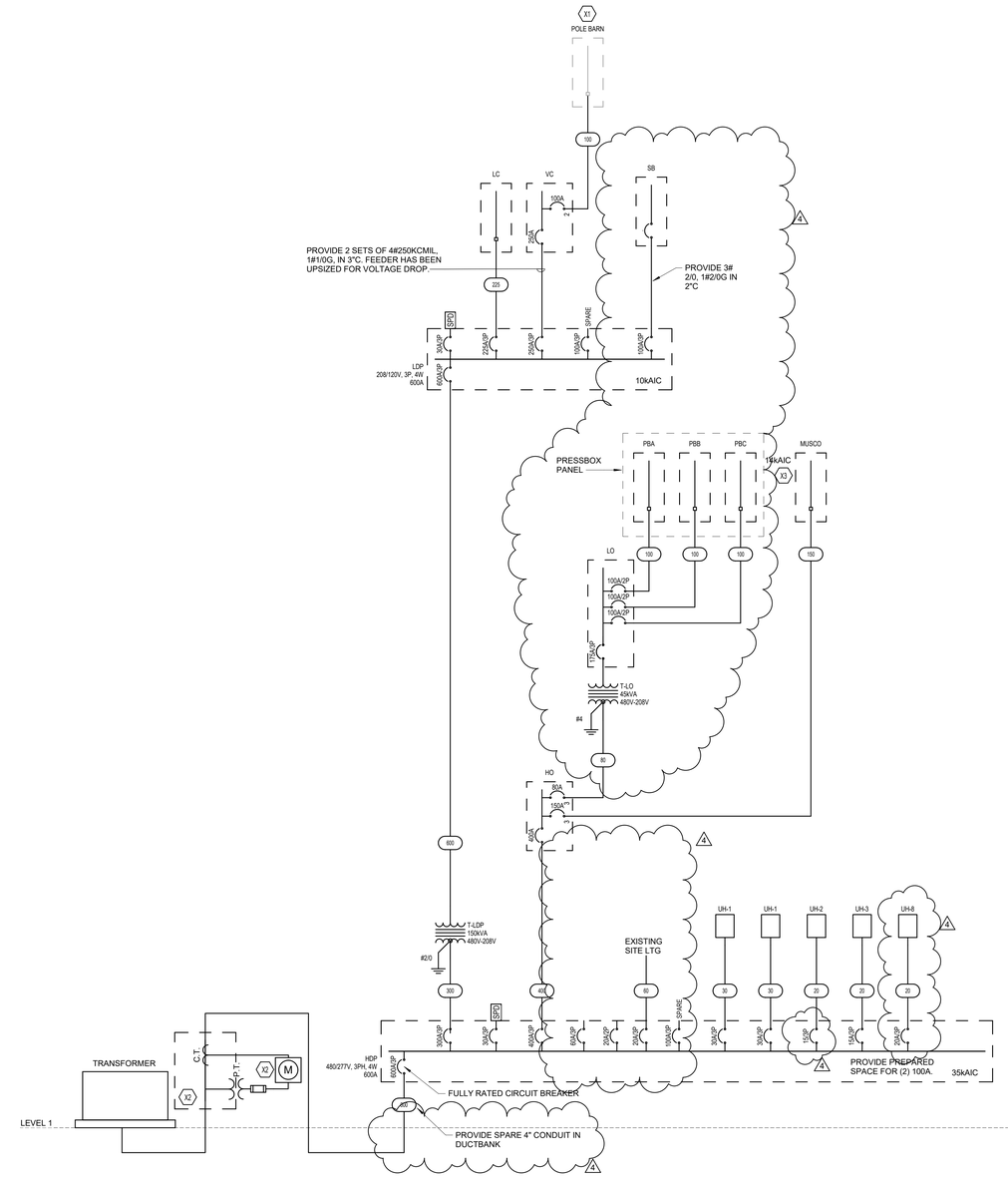
NEW

NEW ENCLOSURE

EXISTING

EXISTING ENCLOSURE

DEMOLITION



1 ONE-LINE DIAGRAM

NO SCALE

THREE PHASE DRY TYPE TRANSFOMER SCHEDULE

GENERAL NOTES:
A. UTILIZE PRIMARY AND SECONDARY FEEDER SIZES BELOW UNLESS OTHERWISE NOTED ON RISER DIAGRAM.
B. CONFIRM / COORDINATE TRANSFORMER AND TERMINAL BREAKERS' LUG SIZES WITH CONDUCTOR SIZES INDICATED.
C. COMPLY WITH NEC 240.87 FOR BREAKERS 1200A AND LARGER.
D. TRANSFORMER SECONDARY CONDUCTORS ARE ADJUSTED TO REFLECT THE NEUTRAL CONDUCTOR AS A CURRENT-CARRYING CONDUCTOR.

NOTES:
1. CONNECT GROUNDING ELECTRODE CONDUCTOR FROM TRANSFORMER X0 TERMINAL TO BUILDING STEEL IF AVAILABLE, OR TO OTHER BUILDING GROUND SYSTEM AS DESIGNATED.
2. CONDUCTOR SIZING BASED ON INDICATED TERMINAL BREAKER. REFER TO PANEL SCHEDULES AND/OR ONE-LINE DIAGRAM FOR FINAL SELECTION.
3. GROUNDING CONDUCTOR FROM TRANSFORMER TO PRIMARY OVERCURRENT DEVICE SIZED AS AN EQUIPMENT GROUNDING CONDUCTOR PER NEC TABLE 250.122.
4. BONDING CONDUCTOR FROM TRANSFORMER TO SECONDARY OVERCURRENT DEVICE SIZED AS A SEPARATELY DERIVED SYSTEM SUPPLY SIDE BONDING JUMPER PER NEC TABLE 250.66.

	PRIMARY - 480 DELTA			SECONDARY - 208Y/120V			
RATED KVA	TERMINAL BREAKER (NOTE 2)	COPPER CONDUCTOR SIZE (NOTE 3)	CONDUIT SIZE	COPPER CONDUCTOR SIZE (NOTE 4)	CONDUIT SIZE	GROUNDING ELECTRODE CONDUCTOR SIZE (NOTE 1)	TERMINAL BREAKER (NOTE 2)
9	20A/3P	3#12, #12G	3/4"	4#8, #8G	1"	#8	35A/3P
15	30A/3P	3#10, #10G	3/4"	4#6, #8G	1"	#8	60A/3P
30	50A/3P	3#8, #10G	3/4"	4#2, #8G	1 1/2"	#6	100A/3P
45	80A/3P	3#4, #8G	1"	4#2/0, #4G	2"	#4	175A/3P
75	150A/3P	3#1/0, #6G	1 1/2"	4 - 300KCMIL, #2G	2 1/2"	#2	250A/3P
112.5	250A/3P	3 - 250 KCMIL, #4G	2 1/2"	4#4/0, #2/0G (2 SETS)	2 1/2"	#2/0	400A/3P
150	300A/3P	3 - 300 KCMIL, #4G	2 1/2"	4 - 400 KCMIL, #2/0G (2 SETS)	3"	#2/0	600A/3P
225	400A/3P	3 - 500 KCMIL, #3G	3"	4 - 350 KCMIL, #2/0G (3 SETS)	3"	#2/0	800A/3P
300	500A/3P	3#4/0, #2G (2 SETS)	2"	4 - 400 KCMIL, #3/0G (4 SETS)	3"	#3/0	1200A/3P

ONE-LINE FEEDER SCHEDULE (COPPER)

NOTES:
• TAGS WITH SUFFIX "-3W" ARE THREE-WIRE, NO NEUTRAL.

TAG	OCPD SETTING	WIRE SIZE	EQUIP. GROUND SIZE	CONDUIT SIZE
-	-	-	-	-
20	20/3 (4W)	(4) #12	(1) #12	3/4"
30	30/3 (4W)	(4) #10	(1) #10	3/4"
50	40/3 OR 50/3 (4W)	(4) #8	(1) #10	1"
60	60/3 (4W)	(4) #6	(1) #10	1"
80	70/3 OR 80/3 (4W)	(4) #4	(1) #8	1-1/4"
100	90/3 OR 100/3 (4W)	(4) #3	(1) #8	1-1/4"
110	110/3 (4W)	(4) #2	(1) #6	1-1/2"
125	125/3 (4W)	(4) #1	(1) #6	1-1/2"
150	150/3 (4W)	(4) #1/0	(1) #6	2"
175	175/3 (4W)	(4) #2/0	(1) #6	2"
200	200/3 (4W)	(4) #3/0	(1) #6	2"
225	225/3 (4W)	(4) #4/0	(1) #4	2-1/2"
250	250/3 (4W)	(4) #250 KCMIL	(1) #4	3"
300	300/3 (4W)	(4) #350 KCMIL	(1) #4	3"
350	350/3 (4W)	(4) #500 KCMIL	(1) #3	3-1/2"
400	400/3 (4W)	(4) #500 KCMIL	(1) #3	3-1/2"
500	500/3 (4W)	2 RUNS OF (4) - #250 KCMIL/PHASE	(1) #2	3"
600	600/3 (4W)	2 RUNS OF (4) - #350 KCMIL/PHASE	(1) #1	3"
700	700/3 (4W)	2 RUNS OF (4) - #500 KCMIL/PHASE	(1) #1/0	3-1/2"
800	800/3 (4W)	2 RUNS OF (4) - #500 KCMIL/PHASE	(1) #1/0	3-1/2"
1000	1000/3 (4W)	3 RUNS OF (4) - #500 KCMIL/PHASE	(1) #2/0	3-1/2"
1200	1200/3 (4W)	4 RUNS OF (4) - #350 KCMIL/PHASE	(1) #3/0	3-1/2"
1600	1600/3 (4W)	5 RUNS OF (4) - #500 KCMIL/PHASE	(1) #4/0	3-1/2"
2000	2000/3 (4W)	6 RUNS OF (4) - #500 KCMIL/PHASE	(1) #250 KCMIL	3-1/2"
3000	3000/3 (4W)	8 RUNS OF (4) - #500 KCMIL/PHASE	(1) #400 KCMIL	3-1/2"
4000	4000/3 (4W)	11 RUNS OF (4) - #500 KCMIL/PHASE	(1) #500 KCMIL	3-1/2"
EX	EXISTING TO REMAIN			

TAGGED NOTES

##

X1 EXISTING POLE BARN PANEL SHALL BE REFED AS INDICATED.
X2 PROVIDE CT AND METER AT UTILIITY TRANSFORMER PER UTILITY REQUIREMENTS.
X3 PROVIDE 480V-3P PANEL FOR MUSCO LIGHTING. REFER TO MUSCO DRAWINGS FOR CIRCUITING, CONTROLS AND ADDITIONAL INFORMAITON.

4

PANELBOARD AND WIRING SCHEDULE

PANEL: SCOREBOARD PNL SB — **MAINS TYPE:** MCB — **PANEL INTERRUPTING RATING:** 10,000
VOLTAGE: 208Y/120V,3P,4W — **SPD:** — **LOCATION:**
AMPERES: 100 A — **MOUNTING:** SURFACE — **SUPPLY FROM:** LDP
GENERAL NOTES:

NOTES	CIRCUIT DESCRIPTION	HOT, NEUT, GND	OCP	P	CKT	A		B		C		CKT	P	OCP	HOT, NEUT, GND	CIRCUIT DESCRIPTION	NOTES
	SCOREBOARD POWER	2-#8, 1-#8, 1-#10	40	2	1	3.1	0.1					2	1	20	1-#12, 1-#12, 1-#12	FLAGPOLE LIGHTING	
					3			3.1	0.0			4	1	20	--	SPARE	
	SPARE	--	20	1	5					0.0	0.0	6	1	20	--	SPARE	
	SPARE	--	20	1	7	0.0	0.0					8	1	20	--	SPARE	
	SPARE	--	20	1	9			0.0	0.0			10	1	20	--	SPARE	
	SPARE	--	20	1	11					0.0	0.0	12	1	20	--	SPARE	
	SPARE	--	20	1	13	0.0	0.0					14	2	40	--	SPARE	
	SPARE	--	20	1	15			0.0	0.0			16					
	SPARE	--	20	1	17					0.0	0.0	18	2	60	--	SPARE	
	SPARE	--	20	1	19	0.0	0.0					20					
	SPARE	--	20	1	21			0.0	0.0			22	2	30	--	SPARE	
	SPARE	--	20	1	23					0.0	0.0	24					
						3.2 kVA		3.1 kVA		0.0 kVA							
						31 A		30 A		0 A							

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
EQUIP	6210 VA	100.00%	6210 VA	TOTAL CONNECTED LOAD:	6310 VA
Other	100 VA	100.00%	100 VA	TOTAL ESTIMATED DEMAND:	6310 VA
				TOTAL CONNECTED CURRENT:	18 A
				TOTAL ESTIMATED DEMAND CURRENT:	18 A
				25 % ADDITIONAL CAPACITY:	4 A
				TOTAL PANEL CURRENT:	22 A

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.
PROVIDE NEMA 3R RATING FOR PANELBOARD.

STAMP

CONSULTANTS

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REVISIONS	
BID SET	10/21/2026
ADDENDUM 4	11/16/2026

DRAWN BY	TRR
REVIEWED BY	RC
JOB #	2665

SHEET TITLE

ONE-LINE DIAGRAM

SHEET #

E-600

SCALE	AS NOTED
DATE	11-16-2026

DRAWING SIZE: 30 X 42

PANELBOARD AND WIRING SCHEDULE

PANEL: HO — **MAINS TYPE:** MCB — **PANEL INTERRUPTING RATING:** 14kAIC
VOLTAGE: 480Y/277V,3P,4W — **SPD:** — **LOCATION:** BREAK ROOM 110
AMPERES: 400 A — **MOUNTING:** SURFACE — **SUPPLY FROM:** HDP
GENERAL NOTES:

NOTES	CIRCUIT DESCRIPTION	HOT, NEUT, GND	OCP	P	CKT	A		B		C		CKT	P	OCP	HOT, NEUT, GND	CIRCUIT DESCRIPTION	NOTES
					1	16.7	27.3					2					
	TLO	3-#4, 1-#4, 1-#8	70	3	3			8.1	24.8			4	3	150	3-#3/0, 1-#3/0, 1-#6	MUSCO	
					5					11.1	24.8	6					
					7	3.3	3.3					8					
	UH-7 MAINTENANCE SHOP 111	3-#12, 1-#12, 1-#12	20	3	9			3.3	3.3			10	3	20	3-#12, 1-#12, 1-#12	UH-7	
					11					3.3	3.3	12					
					13	11.1	11.1					14					
	RTU-1	3-#6, 1-#6, 1-#10	50	3	15			11.1	11.1			16	3	50	3-#6, 1-#6, 1-#10	RTU-2	
					17					11.1	11.1	18					
	LTG - NORTH LOT	1-#10, 1-#10, 1-#10	20	1	19	1.7	3.0					20					
	LTG - EAST LOT	1-#10, 1-#10, 1-#10	20	1	21			1.2	3.0			22	3	15	3-#12, 1-#12, 1-#12	WH-1	
	SPACE	--	--	1	23					--	3.0	24					
	SPACE	--	--	1	25	--	--					26	1	--	--	SPACE	
	SPACE	--	--	1	27			--	--			28	1	--	--	SPACE	
	SPACE	--	--	1	29					--	--	30	1	--	--	SPACE	
	SPACE	--	--	1	31	--	--					32	1	--	--	SPACE	
	SPACE	--	--	1	33			--	--			34	1	--	--	SPACE	
	SPACE	--	--	1	35					--	--	36	1	--	--	SPACE	
	SPACE	--	--	1	37	--	--					38	1	--	--	SPACE	
	SPACE	--	--	1	39			--	--			40	1	--	--	SPACE	
	SPACE	--	--	1	41					--	--	42	1	--	--	SPACE	
						77.5 kVA		65.8 kVA		67.7 kVA							
						281 A		238 A		246 A							

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
EQUIP	22212 VA	100.00%	22212 VA	TOTAL CONNECTED LOAD: 211040 VA
HVAC	92958 VA	100.00%	92958 VA	TOTAL ESTIMATED DEMAND: 208930 VA
LTNG	81650 VA	100.00%	81650 VA	TOTAL CONNECTED CURRENT: 254 A
REC	14220 VA	85.16%	12110 VA	TOTAL ESTIMATED DEMAND CURRENT: 251 A
				25 % ADDITIONAL CAPACITY: 63 A
				TOTAL PANEL CURRENT: 314 A

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.

PANELBOARD AND WIRING SCHEDULE

PANEL: MUSCO — **MAINS TYPE:** MCB — **PANEL INTERRUPTING RATING:** 14kAIC
VOLTAGE: 480Y/277V,3P,4W — **SPD:** Yes — **LOCATION:** BREAK ROOM 110
AMPERES: 150 A — **MOUNTING:** SURFACE — **SUPPLY FROM:** HO
GENERAL NOTES:

NOTES	CIRCUIT DESCRIPTION	HOT, NEUT, GND	OCP	P	CKT	A		B		C		CKT	P	OCP	HOT, NEUT, GND	CIRCUIT DESCRIPTION	NOTES
					1	5.6	5.6					2					
	F1 - FOOTBALL LTG - C1	3-#10, 1-#10, 1-#10	30	3	3			5.6	5.6			4	3	30	3-#10, 1-#10, 1-#10	F2 - FOOTBALL LTG - C2	
					5					5.6	5.6	6					
	F1 - POLE ACCENT/RGBW LTG - C5	2-#12, 1-#12, 1-#12	15	2	7	1.2	1.2					8	2	15	2-#12, 1-#12, 1-#12	F2 - POLE ACCENT/RGBW - C6	
					9			1.2	1.2			10					
					11					5.6	5.6	12					
	F3 - FOOTBALL LTG - C3	3-#8, 1-#8, 1-#8	30	3	13	5.6	5.6					14	3	30	3-#8, 1-#8, 1-#8	F4 - FOOTBALL LTG - C4	
					15			5.6	5.6			16					
	F3 - FOOTBALL LTG - C7	2-#12, 1-#12, 1-#12	15	2	17					1.2	1.2	18	2	15	2-#12, 1-#12, 1-#12	F4 - POLE ACCENT/RGBW - C8	
					19	1.2	1.2					20					
	SPACE	--	--	1	21			--	--			22	1	--	--	SPACE	
	SPACE	--	--	1	23					--	--	24	1	--	--	SPACE	
	SPACE	--	--	1	25	--	--					26	1	--	--	SPACE	
	SPACE	--	--	1	27			--	--			28	1	--	--	SPACE	
	SPACE	--	--	1	29					--	--	30	1	--	--	SPACE	
	SPACE	--	--	1	31	--	--					32	1	--	--	SPACE	
	SPACE	--	--	1	33			--	--			34	1	--	--	SPACE	
	SPACE	--	--	1	35					--	--	36	1	--	--	SPACE	
	SPACE	--	--	1	37	--	--					38	1	--	--	SPACE	
	SPACE	--	--	1	39			--	--			40	1	--	--	SPACE	
	SPACE	--	--	1	41					--	--	42	1	--	--	SPACE	
						27.3 kVA		24.8 kVA		24.8 kVA							
						98 A		89 A		89 A							

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
LTNG	76812 VA	100.00%	76812 VA	TOTAL CONNECTED LOAD: 76812 VA
				TOTAL ESTIMATED DEMAND: 76812 VA
				TOTAL CONNECTED CURRENT: 92 A
				TOTAL ESTIMATED DEMAND CURRENT: 92 A
				25 % ADDITIONAL CAPACITY: 23 A
				TOTAL PANEL CURRENT: 115 A

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P. REFER TO MUSCO DRAWINGS FOR ADDITIONAL INFORMATION.

PANELBOARD AND WIRING SCHEDULE

PANEL: LO — **MAINS TYPE:** MCB — **PANEL INTERRUPTING RATING:** 10kAIC
VOLTAGE: 208Y/120V,3P,4W — **SPD:** — **LOCATION:** BREAK ROOM 110
AMPERES: 150 A — **MOUNTING:** SURFACE — **SUPPLY FROM:** TLO
GENERAL NOTES:

NOTES	CIRCUIT DESCRIPTION	HOT, NEUT, GND	OCP	P	CKT	A		B		C		CKT	P	OCP	HOT, NEUT, GND	CIRCUIT DESCRIPTION	NOTES
	REC - EXTERIOR REC	1-#12, 1-#12, 1-#12	20	1	1	0.5	0.5					2	1	20	1-#12, 1-#12, 1-#12	REC - ATHLETIC TRAINER 114	
1	REC - ATHLETIC TRAINER 114 FRZ	1-#12, 1-#12, 1-#12	20	1	3			0.2	0.4			4	1	20	1-#12, 1-#12, 1-#12	REC - ATHLETIC TRAINER 114	
	REC - TOILET RM & RECEIVING	1-#12, 1-#12, 1-#12	20	1	5					0.4	0.4	6	1	20	1-#12, 1-#12, 1-#12	REC - MAINTENANCE SHOP 111	
	REC - MAINTENANCE SHOP 111	1-#12, 1-#12, 1-#12	20	1	7	0.2	0.2					8	1	20	1-#12, 1-#12, 1-#12	REC - MAINTENANCE SHOP 111	
	REC - MAINTENANCE SHOP 111	1-#12, 1-#12, 1-#12	20	1	9			0.2	0.4			10	1	20	1-#12, 1-#12, 1-#12	REC - RECEIVING	
	REC - MAINTENANCE SHOP 111	1-#12, 1-#12, 1-#12	20	1	11					0.4	1.0	12	1	20	1-#12, 1-#12, 1-#12	OVERHEAD DOOR	
	REC - MAINTENANCE SHOP 111	1-#12, 1-#12, 1-#12	20	1	13	0.4	0.4					14	1	20	1-#12, 1-#12, 1-#12	REC - WAREHOUSE/STOR 112	
	OVERHEAD DOOR	1-#12, 1-#12, 1-#12	20	1	15			1.0	0.2			16	1	20	1-#12, 1-#12, 1-#12	REC - EWC	
	REC - WAREHOUSE/STOR 112	1-#12, 1-#12, 1-#12	20	1	17					0.5	0.4	18	1	20	1-#12, 1-#12, 1-#12	REC - BREAK RM 110	
	REC - COST, STOR, TOILET RM	1-#12, 1-#12, 1-#12	20	1	19	0.5	0.9					20	1	20	1-#12, 1-#12, 1-#12	REC - VEST, CORR, PLANS RM	
	REC - BREAK RM 110	1-#12, 1-#12, 1-#12	20	1	21			0.5	0.9			22	1	20	1-#12, 1-#12, 1-#12	REC - OFFICE 101	
1	REC - BREAK RM 110 REF	1-#12, 1-#12, 1-#12	20	1	23					0.2	0.7	24	1	20	1-#12, 1-#12, 1-#12	REC - IT MDF	
	REC - OFFICE 102	1-#12, 1-#12, 1-#12	20	1	25	0.9	1.1					26	1	20	1-#12, 1-#12, 1-#12	REC - CONFERENCE RM 105	
	REC - DIRECTORS OFFICE 100	1-#10, 1-#10, 1-#10	20	1	27			1.3	0.4			28	1	20	1-#12, 1-#12, 1-#12	REC - CONF RM 105 FLR BOXES	
	REC - IT MDF	1-#12, 1-#12, 1-#12	20	1	29					0.4	3.2	30					
	REC - CONFERENCE RM 105	1-#12, 1-#12, 1-#12	20	1	31	0.4	3.2					32	2	40	2-#8, 1-#8, 1-#10	CU-1	
	REC - ROOF EXTERIOR REC	1-#12, 1-#12, 1-#12	20	1	33			0.4	0.4			34	1	20	1-#12, 1-#12, 1-#12	EF-3 ATHLETIC TRAINER 114	
	EF-4	1-#12, 1-#12, 1-#12	20	1	35					0.7	0.9	36	1	20	1-#10, 1-#10, 1-#10	LTG - TRAINER, RECEIV, MAINT...	
	UH-6 ATHLETIC TRAINER 114	1-#8, 1-#8, 1-#8	20	1	37	1.5	1.0					38	1	20	1-#12, 1-#12, 1-#12	LTG - FACILITY OFFICES	
	REC - MDF RACK	1-#12, 1-#12, 1-#12	20	1	39			0.4	1.0			40	1	20	1-#12, 1-#12, 1-#12	OVERHEAD DOOR	
	TRAP PRIMER TP-2 CUST 108	1-#12, 1-#12, 1-#12	20	1	41					0.7	0.0	42	1	20	1-#12, 1-#12, 1-#12	TIME CLOCK	
	HAND DRYER TOILET ROOM 109	1-#12, 1-#12, 1-#12	20	1	43	1.5	1.5					44	1	20	1-#10, 1-#10, 1-#10	HAND DRYER TOILET RM 115	
	MUSCO CONTROL POWER	1-#12, 1-#12, 1-#12	20	1	45			0.6	0.1			46	1	20	1-#12, 1-#12, 1-#12	LTG - BUILDING EXTERIOR	
	RP-1	1-#12, 1-#12, 1-#12	20	1	47					0.4	1.0	48	1	20	1-#12, 1-#12, 1-#12	CEILING FAN	
	CEILING FAN	1-#12, 1-#12, 1-#12	20	1	49	1.0	1.0					50	1	20	1-#12, 1-#12, 1-#12	CEILING FAN	
	SPARE	--	20	1	51			0.0	0.0			52	2	100	2-#1, 1-#1, 1-#8	PBA	
	SPARE	--	20	1	53					0.0	0.0	54					
	SPARE	--	20	1	55	0.0	0.0					56	2	100	2-#1, 1-#1, 1-#8	PBB	
	SPARE	--	20	1	57			0.0	0.0			58					
	SPARE	--	20	1	59					0.0	0.0	60	2	100	2-#1, 1-#1, 1-#8	PBC	
	SPARE	--	20	1	61	0.0	0.0					62					
	SPARE	--	20	1	63			0.0	0.0			64	1	20	--	SPARE	
	SPARE	--	20	1	65					0.0	0.0	66	1	20	--	SPARE	
	SPARE	--	20	1	67	0.0	0.0					68	1	20	--	SPARE	
	SPARE	--	20	1	69			0.0	0.0			70	1	20	--	SPARE	
	SPARE	--	20	1	71					0.0	0.0	72	1	20	--	SPARE	
	SPACE	--	--	1	73	--	--					74	1	--	--	SPACE	
	SPACE	--	--	1	75			--	--			76	1	--	--	SPACE	
	SPACE	--	--	1	77					--	--	78	1	--	--	SPACE	
	SPACE	--	--	1	79	--	--					80	1	--	--	SPACE	
	SPACE	--	--	1	81			--	--			82	1	--	--	SPACE	
	SPACE	--	--	1	83					--	--	84	1	--	--	SPACE	
						16.7 kVA		8.1 kVA		11.1 kVA							
						143 A		67 A		97 A							

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
EQUIP	13212 VA	100.00%	13212 VA	TOTAL CONNECTED LOAD: 35838 VA
HVAC	6448 VA	100.00%	6448 VA	TOTAL ESTIMATED DEMAND: 33728 VA
LTNG	1958 VA	100.00%	1958 VA	TOTAL CONNECTED CURRENT: 99 A
REC	14220 VA	85.16%	12110 VA	TOTAL ESTIMATED DEMAND CURRENT: 94 A
				25 % ADDITIONAL CAPACITY: 23 A
				TOTAL PANEL CURRENT: 117 A

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.
1. PROVIDE GFCI CIRCUIT BREAKER.

PANELBOARD AND WIRING SCHEDULE

PANEL: VC — **MAINS TYPE:** MCB — **PANEL INTERRUPTING RATING:** 10kAIC
VOLTAGE: 208Y/120V,3P,4W — **SPD:** — **LOCATION:**
AMPERES: 250 A — **MOUNTING:** SURFACE — **SUPPLY FROM:** LDP
GENERAL NOTES:

NOTES	CIRCUIT DESCRIPTION	HOT, NEUT, GND	OCP	P	CKT	A		B		C		CKT	P	OCP	HOT, NEUT, GND	CIRCUIT DESCRIPTION	NOTES
1	REC - CONCESSIONS REF	1-#12, 1-#12, 1-#12	20	1	1	0.2	0.2					2	1	20	1-#12, 1-#12, 1-#12	REC - CONCESSIONS	
	REC - CONCESSIONS	1-#12, 1-#12, 1-#12	20	1	3			0.2	0.2			4	1	20	1-#12, 1-#12, 1-#12	REC - CONCESSIONS	
	REC - CONCESSIONS	1-#12, 1-#12, 1-#12	20	1	5					0.2	0.2	6	1	20	1-#12, 1-#12, 1-#12	REC - CONCESSIONS	
	REC - CONCESSIONS 211 CORD...	1-#12, 1-#12, 1-#12	20	1	7	0.2	0.4					8	1	20	1-#12, 1-#12, 1-#12	REC - VISITOR TICKET BOOTH	
	HAND DRYER	1-#12, 1-#12, 1-#12	20	1	9			1.5	0.7			10	1	20	1-#12, 1-#12, 1-#12	REC - RESTROOMS & WP	
	HAND DRYER	1-#12, 1-#12, 1-#12	20	1	11					1.5	0.4	12	1	20	1-#12, 1-#12, 1-#12	REC - RESTROOM & JANITOR	
	HAND DRYER	1-#12, 1-#12, 1-#12	20	1	13	1.5	1.5					14	1	20	1-#12, 1-#12, 1-#12	HAND DRYER	
	UH-5 JANITOR 216	1-#12, 1-#12, 1-#12	20	1	15			1.0	1.5			16	1	20	1-#12, 1-#12, 1-#12	HAND DRYER	
	CU-1	2-#8, 1-#8, 1-#10	40	2	17					3.2	1.0	18	1	20	1-#12, 1-#12, 1-#12	UH-5 TICKETING BOOTH 210	
					19	3.2	1.0					20	1	20	1-#12, 1-#12, 1-#12	UH-5 TOILET ROOM 215	
	UH-3 WOMENS TR 214	3-#10, 1-#10, 1-#10	30	3	21			1.7	2.4			22	1	30	1-#10, 1-#10, 1-#10	EWH-4 CONCESSIONS 211	
					23					1.7	1.2	24	1	20	1-#12, 1-#12, 1-#12	EF-2 WOMENS TR 214	
					25	1.7	1.7					26					
					27			1.7	1.7			28	3	20	3-#12, 1-#12, 1-#12	UH-4 CONSESSIONS 211	
	UH-4 MENS TR 213	3-#12, 1-#12, 1-#12	20	3	29					1.7	1.7	30					
					31	1.7	0.4					32	1	20	1-#10, 1-#10, 1-#10	REC - FIELD REC 50YD LINE VISITOR	
	EWH-5 TOILET ROOM 215	2-#10, 1-#10, 1-#10	30	2	33			1.8	0.2			34	1	20	1-#12, 1-#12, 1-#12	REC - EWC	1
					35					1.8	0.2	36	1	20	1-#12, 1-#12, 1-#12	REC - EWC	1
	SPARE	--	20	1	37	0.0	0.9					38	1	20	1-#12, 1-#12, 1-#12	LTG - VISITOR SIDE INTERIOR	
	EXTERIOR CAMERAS	1-#12, 1-#12, 1-#12	20	1	39			0.2	0.2			40	1	20	1-#12, 1-#12, 1-#12	LTG - VISITOR SIDE EXTERIOR	
	EXTERIOR CAMERAS	1-#10, 1-#10, 1-#10	20	1	41					0.4	0.4	42	1	20	1-#12, 1-#12, 1-#12	TRAP PRIMER TP-2 TOILET RM 215	
	SPARE	--	20	1	43	0.0	0.2					44	1	20	1-#12, 1-#12, 1-#12	OVERHEAD DOOR	
	RACK REC - ELEC 212	1-#12, 1-#12, 1-#12	20	1	45			0.2	0.2			46	1	20	1-#12, 1-#12, 1-#12	RACK REC - ELEC 212	
	SECURITY EQUIP - ELEC 212	1-#12, 1-#12, 1-#12	20	1	47					0.2	1.5	48	1	20	1-#12, 1-#12, 1-#12	HAND DRYER CONCOURSE C2	
					49	2.0	0.5					50	1	20	1-#8, 1-#8, 1-#8	LTG - WALKWAY	
	SGP-1	3-#10, 1-#10, 1-#10	30	3	51			2.0	0.0			52	1	20	1-#12, 1-#12, 1-#12	TIME CLOCK	
					53					2.0	0.2	54	1	20	1-#12, 1-#12, 1-#12	WALL RACK CONCESSION 211	
	SPARE	--	20	1	55	0.0	0.0					56	1	20	--	SPARE	
	SPARE	--	20	1	57			0.0	0.0			58	1	20	--	SPARE	
	SPARE	--	20	1	59					0.0	0.0	60	1	20	--	SPARE	
	SPARE	--	20	1	61	0.0	0.0					62	1	20	--	SPARE	
	SPARE	--	20	1	63			0.0	0.0			64	1	20	--	SPARE	
	SPARE	--	20	1	65					0.0	0.0	66	1	20	--	SPARE	
	SPARE	--	20	1	67	0.0	0.0					68	1	20	--	SPARE	
	SPARE	--	20	1	69			0.0	0.0			70	1	20	--	SPARE	
	SPARE	--	20	1	71					0.0	0.0	72	1	20	--	SPARE	
	SPACE	--	--	1	73	--	--					74	1	--	--	SPACE	
	SPACE	--	--	1	75			--	--			76	1	--	--	SPACE	
	SPACE	--	--	1	77					--	--	78	1	--	--	SPACE	
	SPACE	--	--	1	79	--	--					80	1	--	--	SPACE	
	SPACE	--	--	1	81			--	--			82	1	--	--	SPACE	
	SPACE	--	--	1	83					--	--	84	1	--	--	SPACE	
						22.2 kVA		19.7 kVA		21.7 kVA							
						187 A		164 A		184 A							

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
EQUIP	15904 VA	100.00%	15904 VA	TOTAL CONNECTED LOAD: 63548 VA
HVAC	36876 VA	100.00%	36876 VA	TOTAL ESTIMATED DEMAND: 63548 VA
LTNG	3032 VA	100.00%	3032 VA	TOTAL CONNECTED CURRENT: 176 A
REC	7740 VA	100.00%	7740 VA	TOTAL ESTIMATED DEMAND CURRENT: 176 A
				25 % ADDITIONAL CAPACITY: 44 A
				TOTAL PANEL CURRENT: 220 A

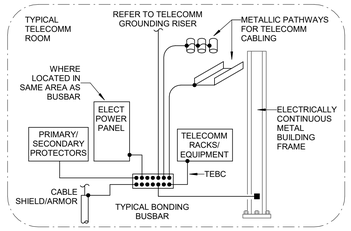
NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.
1. PROVIDE GFCI CIRCUIT BREAKER.

PANELBOARD AND WIRING SCHEDULE

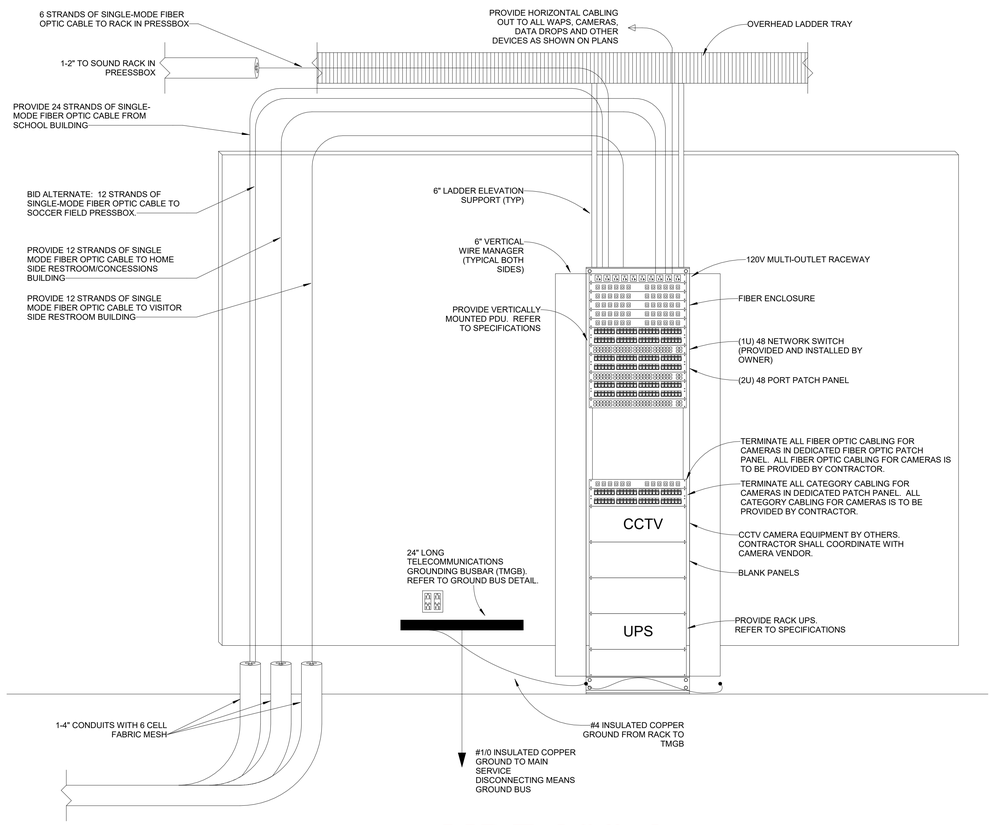
PANEL: LC — **MAINS TYPE:** MCB — **PANEL INTERRUPTING RATING:** 10kAIC
VOLTAGE: 208Y/120V,3P,4W — **SPD:** — **LOCATION:** CONCESSIONS 209
AMPERES: 225 A — **MOUNTING:** FLUSH — **SUPPLY FROM:** LDP
GENERAL NOTES:

NOTES	CIRCUIT DESCRIPTION	HOT, NEUT, GND	OCP	P	CKT	A		B		C		CKT	P	OCP	HOT, NEUT, GND	CIRCUIT DESCRIPTION	NOTES
	REC - CONCESSIONS 209	1-#12, 1-#12, 1-#12	20	1	1	0.5	0.8					2	1	20	1-#12, 1-#12, 1-#12	REC - CONCESSIONS 209 REF	1
1	REC - CONCESSIONS 209 COOLER	1-#12, 1-#12, 1-#12	20	1	3			1.0	0.8			4	1	20	1-#12, 1-#12, 1-#12	REC - CONCESSIONS 209 REF	1
	REC - CONCESSIONS 209	1-#12, 1-#12, 1-#12	20	1	5					0.5	0.8	6	1	20	1-#12, 1-#12, 1-#12	REC - CONCESSIONS 209 REF	1
	REC - CONCESSIONS 209 CORD...	1-#12, 1-#12, 1-#12	20	1	7	0.4	0.4					8	1	20	1-#12, 1-#12, 1-#12	REC - CONCESSIONS 209	
1	REC - CONCESSIONS 209 CORD...	1-#12, 1-#12, 1-#12	20	1	9			0.4	0.4			10	1	20	1-#12, 1-#12, 1-#12	TRAP PRIMER TP-2 STORAGE 204	
1	REC - CONCESSIONS 209 CORD...	1-#12, 1-#12, 1-#12	20	1	11					0.4	1.0	12	1	20	1-#12, 1-#12, 1-#12	REC - CONCESSIONS 209 COOLER	1
	REC - STOR 204 & TOILET RM 205	1-#12, 1-#12, 1-#12	20	1	13	0.7	0.4					14	1	20	1-#12, 1-#12, 1-#12	REC - CONCESSIONS 209 CORD...	1
	HAND DRYER	1-#10, 1-#10, 1-#10	20	1	15			1.5	0.9			16	1	20	1-#12, 1-#12, 1-#12	REC - WOMEN TOILET RM	
	REC - MECH 201 & WP REC	1-#12, 1-#12, 1-#12	20	1	17					0.4	1.5	18	1	20	1-#12, 1-#12, 1-#12	HAND DRYER	
	REC - APPAREL SALES	1-#12, 1-#12, 1-#12	20	1	19	0.4	1.5					20	1	20	1-#10, 1-#10, 1-#10	HAND DRYER	
	CU-1	2-#8, 1-#8, 1-#10	40	2	21			3.2	1.7			22	1	30	1-#10, 1-#10, 1-#10	EWH-4 CONCESSIONS 211	
					23					3.2	0.4	24	1	20	1-#12, 1-#12, 1-#12	REC - TICKETING BOOTH 200	
	UH-5 TOILET ROOM 205	1-#12, 1-#12, 1-#12	20	1	25	1.0	0.5					26	1	20	1-#12, 1-#12, 1-#12	REC - APPAREL SALES	
	UH-5	1-#10, 1-#10, 1-#10	20	1	27			1.0	1.0			28	1	20	1-#12, 1-#12, 1-#12	UH-5 STORAGE 204	
	REC - FIELD REC HOME WEST	1-#10, 1-#10, 1-#10	20	1	29					0.4	0.0	30	1	20		SPARE	
	REC - BATTING CAGE	1-#6, 1-#6, 1-#6	20	1	31	1.5	1.5					32	1	20	1-#10, 1-#10, 1-#10	CONSESSIONS SCOREBOARD	
	REC - BACKSTOP REC	1-#12, 1-#12, 1-#12	20	1	33			0.4	0.4			34	1	20	1-#12, 1-#12, 1-#12	REC - BASEBALL SCOREBOARD	
	HAND DRYER	1-#12, 1-#12, 1-#12	20	1	35					1.5	1.5	36	1	20	1-#12, 1-#12, 1-#12	HAND DRYER	
	HAND DRYER	1-#10, 1-#10, 1-#10	20	1	37	1.5	1.5					38	1	20	1-#10, 1-#10, 1-#10	HAND DRYER	
	LTG - HOME RESTRMS & APPAREL	1-#12, 1-#12, 1-#12	20	1	39			1.1	2.8			40	2	40	2-#8, 1-#8, 1-#10	EWH-2 JANITECH 207	
	LTG - HOME TICKET BOOTH &...	1-#12, 1-#12, 1-#12	20	1	41					0.4	2.8	42					
	LTG - HOME CONCESSIONS	1-#12, 1-#12, 1-#12	20	1	43	0.2	0.3					44	1	20	1-#12, 1-#12, 1-#12	LTG - EXT HOME CONC & RR	
	EXTERIOR HAND DRYER	1-#12, 1-#12, 1-#12	20	1	45			1.5	0.8			46	1	20	1-#6, 1-#6, 1-#6	PLAY CLOCK - WEST	
	HAND DRYER	1-#12, 1-#12, 1-#12	20	1	47					1.5	1.5	48	1	20	1-#12, 1-#12, 1-#12	EXTERIOR HAND DRYER	
	EWH-3 STORAGE 204	2-#12, 1-#12, 1-#12	20	2	49	1.8	0.8					50	1	20	1-#8, 1-#8, 1-#8	PLAY CLOCK - EAST	
					51			1.8	1.0			52	2	15	2-#12, 1-#12, 1-#12	UH-7	
	OVERHEAD DOOR	1-#12, 1-#12, 1-#12	20	1	53					1.2

NOTES:
A. ALL WORK TO BE DONE IN ACCORDANCE WITH ANSI/TIA STD-607-C
B. ALL GROUNDING AND BONDING CONDUCTORS SHALL BE GREEN INSULATED COPPER CONDUCTORS AND LISTED FOR INTENDED APPLICATION.
C. LABEL ALL GROUNDING AND BONDING CONDUCTORS IN ACCORDANCE WITH ANSI/TIA/EIA 606 REQUIREMENTS.
D. ALL CONNECTIONS SHALL BE EXOTHERMIC WELD, LISTED COMPRESSION TWO-HOLE LUGS, OR OTHER IRREVERSIBLE COMPRESSION TYPE CONNECTION.
E. ALL METALLIC RACEWAYS FOR TELECOMM CABLING SHALL BE BONDED TO BUSBAR IF LOCATED IN SAME ROOM OR AREA.
F. WHERE THE OSP OR BACKBONE CABLING INCORPORATES A SHIELD OR METALLIC ARMOR, IT SHALL BE BONDED TO THE BUSBAR WHERE THE CABLES ARE TERMINATED OR WHERE THE PAIRS ARE BROKEN OUT FROM THE CABLE SHEATH.
G. BONDING CONDUCTOR TO BUILDING STEEL SHALL BE SIZED TO MATCH BACKBONE CONDUCTOR. OTHER BONDING CONDUCTORS SHALL BE A MINIMUM #6 AWG AND INSTALLED WITH A MINIMUM 8-INCH BEND RADIUS.
H. BONDING CONDUCTORS FOR ENTRANCE PROTECTORS AND CABLE SHIELDING CAPABLE OF CONDUCTING LIGHTNING AND FAULT CURRENTS SHALL MAINTAIN A MINIMUM OF 1FT SEPARATION FROM ALL TELECOMM CABLING.

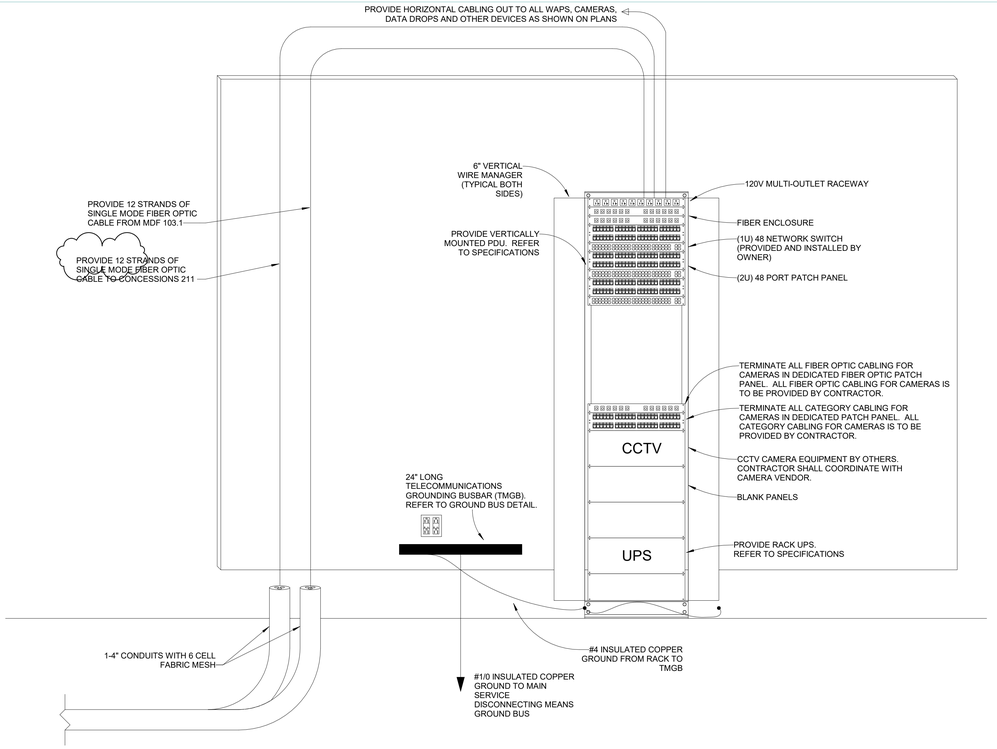


2 E-800 TELECOMM BUSBAR CONNECTIONS
12" = 1'-0"

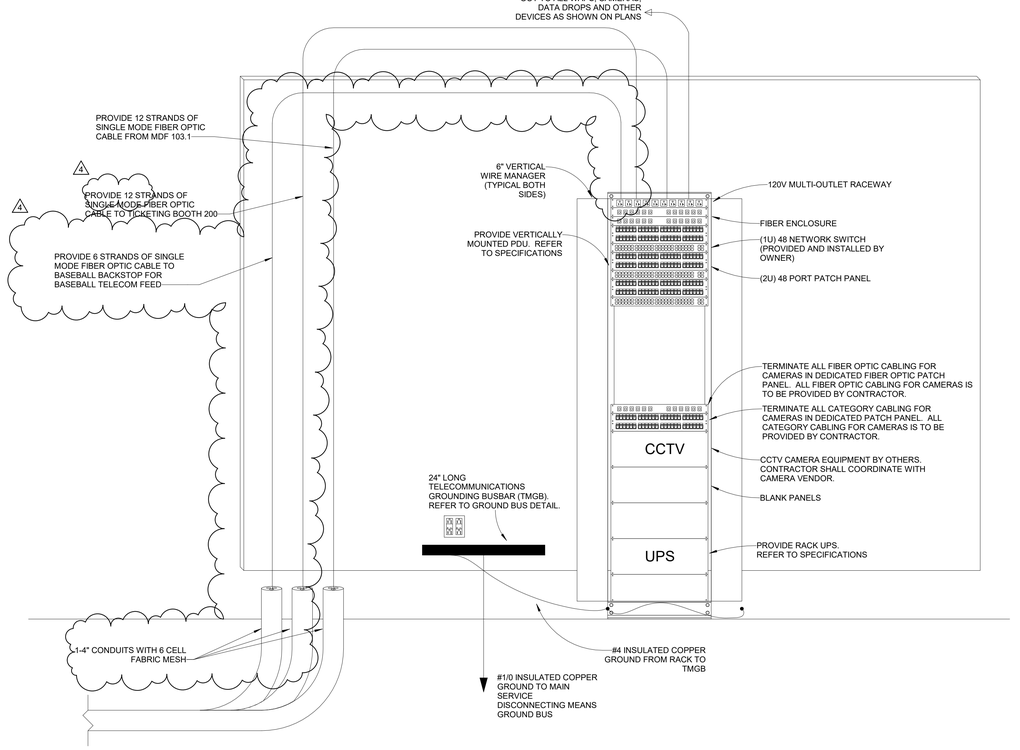


1 E-800 SYSTEMS ONE-LINE DIAGRAM
NOT TO SCALE

MDF 103.1



VISITORS SIDE RESTROOM IDF



HOME SIDE CONCESSIONS IDF

STAMP

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REVISIONS	
BID SET	10/21/2026
ADDENDUM 4	11/16/2026

DRAWN BY	TRR
REVIEWED BY	RC
JOB #	2665

SHEET TITLE

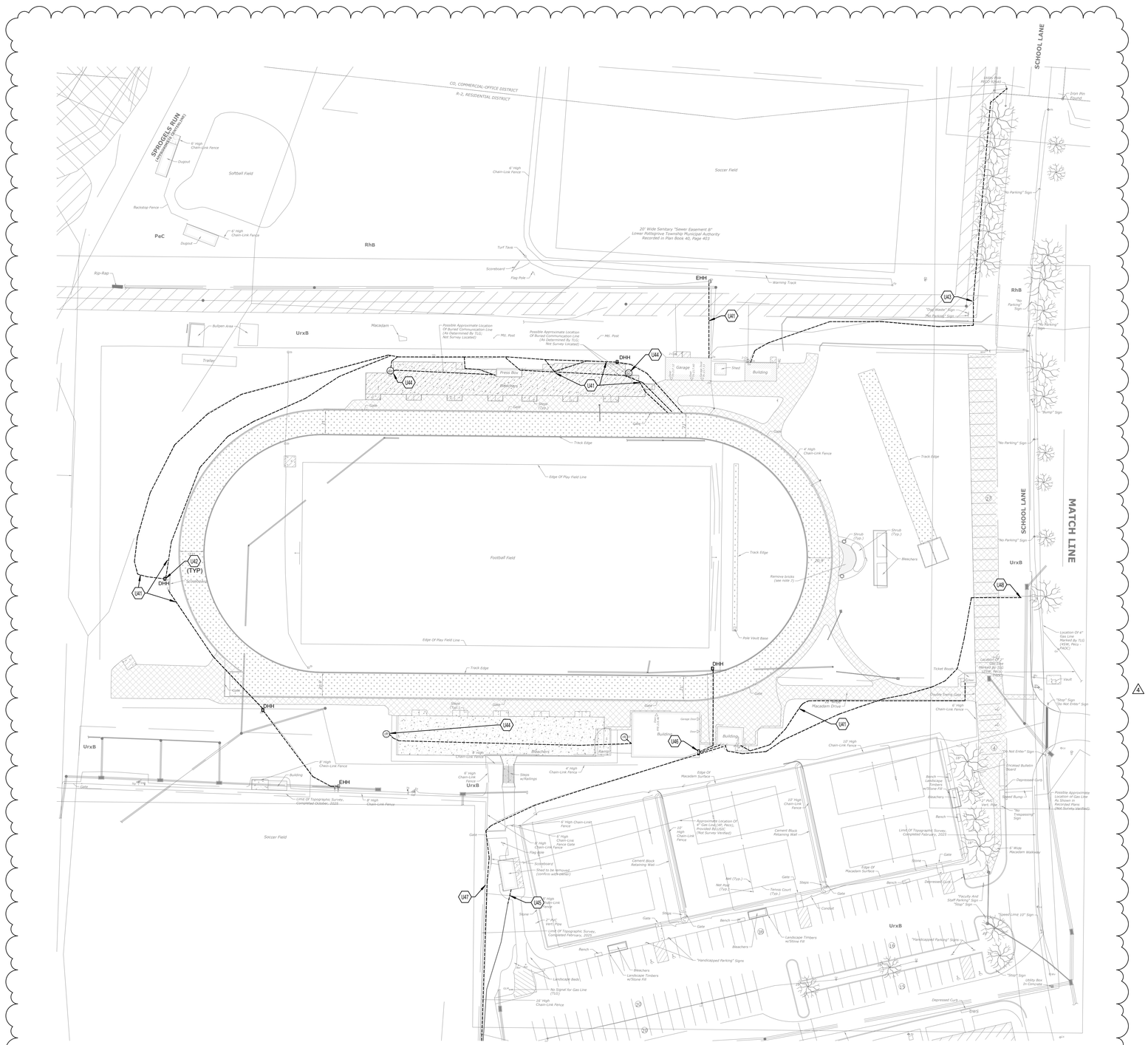
SYSTEMS ONE-LINE DIAGRAM

SHEET #

E-800

SCALE	AS NOTED
DATE	11-16-2026

DRAWING SIZE: 30 X 42



1 SITE ELECTRICAL DEMOLITION PLAN

SCALE: 1" = 40'-0"

0 15' 30' 60' 90' 120'

ELECTRICAL SITE NOTES

A DO NOT SCALE FROM MECHANICAL AND ELECTRICAL DRAWINGS. FIELD VERIFY REQUIRED DIMENSIONS AND COORDINATE WITH CIVIL DRAWINGS AND SURVEYS.

B REFER ALSO TO ALL OTHER PLANS AND THE SPECIFICATION, BUT ESPECIALLY TO: THE SITE SURVEY, THE ARCHITECTURAL SITE PLAN, THE SITE GRADING PLAN, THE PLANTING PLAN (WHERE AVAILABLE), FOUNDATION PLAN(S), APPROPRIATE MECHANICAL & ELECTRICAL FLOOR PLANS FOR SERVICE CONTINUATIONS, THE SITE UTILITY PLAN - MECHANICAL & ELECTRICAL. WHERE THERE ARE CONFLICTS AMONG THESE PLANS AND/OR RELATED SPECIFICATIONS, ADVISE THESE ENGINEERS AT LEAST TEN DAYS PRIOR TO SUBMISSION OF BIDS.

C ALL FEES AND ANY OTHER COSTS TO UTILITY COMPANIES, MUNICIPALITIES, INSPECTORS, REVIEWING AGENCIES, ETC. ARE TO BE INCLUDED AS A PART OF THIS CONTRACT.

D FEDERAL, STATE, LOCAL, MUNICIPALITY AND UTILITY COMPANY CODES, RULES, REGULATIONS AND REQUIREMENTS APPLY UNLESS EXCEEDED BY THIS DESIGN.

E WHEN INTERRUPTION OF AN EXISTING UTILITY OR SERVICE IS PLANNED OR OCCURS ACCIDENTALLY, THE CONTRACTOR(S) SHALL WORK CONTINUOUSLY AS NEEDED TO RESTORE SAME PROVIDING PREMIUM TIME AS NEEDED AT NO INCREASE IN THE CONTRACT PRICE.

F LOCATIONS, DEPTHS, MATERIAL TYPES, ELEVATIONS, ETC. OF ALL APPURTENANCES, LINES, BUILDINGS, ETC. INDICATED ON THESE DRAWINGS WERE TAKEN FROM VARIOUS SOURCES, ARE DIAGRAMMATIC ONLY AND ARE SUBJECT TO SUBSTANTIAL VARIATION FROM EXISTING CONDITIONS, EXISTING UTILITIES LOCATIONS MAY VARY. CONSEQUENTLY ALL CONTRACTORS SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO ENSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE. FOR SAFETY PURPOSES, PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL FEDERAL, STATE, AND/OR LOCAL RULES, REGULATIONS, STANDARDS AND SAFETY REQUIREMENTS.

G PROVIDE LONG RADIUS ELBOWS FOR UNDERGROUND CONDUIT BENDS. WHERE SERVING A UTILITY OWNED TRANSFORMER, THE UTILITY STANDARDS SHALL TAKE PRECEDENCE.

H UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY. IF ANY VARIATION OCCURS, CONSULT THE ENGINEER. CONTRACTOR SHALL VISIT THE SITE AND FIELD VERIFY THE ROUTING OF ALL UTILITIES NEW AND EXISTING PRIOR TO SUBMISSION OF BIDS. SUBMISSION OF A BID PROPOSAL INDICATES THAT THE CONTRACTOR IS FULLY AWARE OF ALL OBSTRUCTIONS AND WILL INSTALL ALL OF THE NEW UTILITIES WITHOUT REQUESTS FOR ANY ADDITIONAL CHANGES.

I PROVIDE GALVANIZED RIGID CONDUIT FOR EXTERIOR UNDERGROUND TRANSITIONS TO ABOVE GRADE; EXTEND CONDUIT A MINIMUM OF 6" ABOVE GRADE.

J CONTRACTOR SHALL PERFORM A SMOKE TEST ON ALL CONDUITS INSTALLED ON SITE AND SHALL TAKE ALL NECESSARY CORRECTIVE ACTION IF NOT FOUND IN COMPLIANCE WITH FACILITY STANDARDS.

K CONTRACTOR SHALL CONTACT ENGINEER FOR INSPECTION OF TRENCHES PRIOR TO INSTALLATION OF CONDUITS OR RACEWAYS. PROVIDE PHOTOS UPON REQUEST.

L CONTRACTOR SHALL CUT AND PATCH ALL PAVEMENT, CURBING, ETC. AS REQUIRED FOR WORK. CONTRACTOR SHALL REPAIR ALL LANDSCAPING THAT IS DAMAGED FOR WORK. FINISH GRADE, SEED AND STRAW ALL DISTURBED GREEN SPACES. ALL PATCH AND REPAIR WORK SHALL BE IN ACCORDANCE WITH BOTH CIVIL AND LANDSCAPE DRAWINGS AND SPECIFICATIONS.

M COORDINATE UNDERGROUND ELECTRICAL WITH ALL LANDSCAPING AND FENCING, ADJUST ELECTRICAL LINES TO AVOID CONFLICTS. REFER TO LANDSCAPING PLANS FOR FURTHER INFORMATION. AVOID ROUTING UNDERGROUND CONDUITS UNDER ROADWAYS OR PARKING LOTS, CROSS ROADWAYS WITH UNDERGROUND CONDUITS AT 90 ANGLES WHERE POSSIBLE.

N PLANNED INTERRUPTION OF ANY SERVICE SHALL BE COORDINATED WITH THE APPROPRIATE MUNICIPALITY OR UTILITY COMPANY, THE ARCHITECT, AND THE BUILDING OPERATORS AT LEASTE ONE WEEK IN ADVANCE OF ANTICIPATED INTERRUPTION. A SCHEDULE FOR THESE OUTAGES SHALL BE DEVELOPED AND AGREED UPON BETWEEN THE PARTIES MENTIONED TO AVOID UNNECESSARY INCONVENIENCE TO THE OWNER OR ANY AFFECTED PARTY. NOTIFY THE UTILITY COMPANY OF ANY ANTICIPATED SERVICES REQUIRED FROM THEM AT LEAST TWO WEEKS IN ADVANCE IN WRITING AND INSURE THAT THEY DO NOT DELAY WORK.

O THE LOCATIONS OF UTILITIES SHOWN WITHIN THESE DRAWINGS ARE APPROXIMATE ONLY.

P THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY EXCAVATION WORK REQUIRED TO LOCATE UNDERGROUND UTILITIES. THE CONTRACTOR IS ALSO REQUIRED TO NOTIFY ANY OTHER AFFECTED UTILITY OWNERS PRIOR TO DIGGING. IN THE EVENT OF ACCIDENTAL INTERRUPTION OF SERVICE, CONTRACTOR WILL IMMEDIATELY NOTIFY THE OTHER UTILITY OWNERS.

Q THE CONTRACTOR WILL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD OTHER EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND AROUND THE OTHER UTILITIES. THE UTILITY WILL BE REQUIRED TO FURNISH SUCH EQUIPMENT.

R CONTRACTOR SHALL PAY ALL TAP FEES, UTILITY COST, UTILITY CONNECTION COSTS, METER FEES, EXTENSION AND DEVELOPMENT CHARGES. REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

S THE UTILITY WILL PROVIDE STAKING DATA INCLUDING NORTHING AND EASTING DATA AS REQUIRED OR SHOWN ON DRAWINGS.

T REATTACH ALL TAPS AND TRANSFORMERS AS TO MAINTAIN EXISTING PHASE CONNECTIONS.

U CONTRACTOR RESPONSIBLE FOR MAINTAINING DOWNSTREAM SERVICE FROM REMOVED EQUIPMENT ON SITE, INCLUDING BUT NOT LIMITED TO SITE LIGHTING, TRANSFORMERS, ETC.

V WHEN DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS INDICATED ON THE DRAWINGS: THE CONTRACTOR SHALL ENSURE THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN "PRE-DEMOLITION" WORKING ORDER. "LEFT-OVER" CIRCUIT BREAKERS SHALL REMAIN, BE SWITCHED TO OFF POSITION, AND BE LABELED AS SPARES IN THEIR PANELS. PROVIDE NEW TYPEWRITTEN DIRECTORIES FOR ALL PANELS AFFECTED.

W REMOVE ALL ASSOCIATED BACKBOXES, CONDUIT AND CONDUCTORS FOR DEVICES/FIXTURES/ETC. BEING REMOVED (BACK TO SOURCE), WHETHER INDICATED OR NOT (UON).

X COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. (INDICATED FOR DEMOLITION) WITH OWNER. TURN OVER ITEMS REMOVED TO OWNER AT THEIR OPTION.

Y COORDINATE WITH OTHER TRADES FOR THE REMOVAL AND/OR RELOCATION OF ELECTRICAL DEVICES AND CONNECTIONS ASSOCIATED WITH THEIR EQUIPMENT.

TAGGED NOTES

U41 PROVIDE TWO SCHEDULE 40 5-INCH PVC PRIMARY DUCT FROM VAULT LOCATION TO TERMINAL POLE. REFER TO PECO ELECTRIC SERVICE REQUIREMENT BOOK FOR ADDITIONAL REQUIREMENTS. CONTRACTOR SHALL SUPPLY AND INSTALL 3-1X1/0 JACKED ALUMINUM 35 KV UNDERGROUND CABLE FROM VAULT LOCATION TO PROPOSED TERMINAL POLE. CUSTOMER TO COIL 50' OF CABLING AT POLE FOR PECO TO INSTALL UP TO THE PRIMARY POSITION.

U42 DEMOLISH EXISTING HANDHOLE. TYPICAL OF ALL HANDHOLES TAGGED AS 'DHH'.

U43 DEMOLISH EXISTING SERVICE TO BUILDING FROM UTILITY POLE. REMOVE ALL CONDUCTORS FROM CONDUIT. CONDUITS MAY REMAIN IN THE GROUND WHERE THEY DO NOT INTERFERE WITH NEW WORK.

U44 DEMOLISH EXISTING ELECTRICAL TO STADIUM LIGHT POLES AND DEMOLISH EXISTING POLES AND FIXTURES.

U45 DEMOLISH EXISTING FEED TO SHED AND EXTEND FEED TO NEW PANELBOARD. REFER TO NEW WORK PLANS.

U46 MAINTAIN AND PROTECT EXISTING PANELAND CIRCUITS IN BUILDING. REFEED FROM NEW POWER DISTRIBUTION. REFER TO NEW WORK PLANS.

U47 DEMOLISH EXISTING BUILDING FEEDER BACK TO HIGH SCHOOL BUILDING.

U48 INTERCEPT EXISTING LIGHTING FEED AND REFEED FROM NEW ELECTRICAL DISTRIBUTION. REFER TO NEW WORK PLANS.

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BID SET	10/21/2026
ADDENDUM 4	11/16/2026
DRAWN BY	TRR
REVIEWED BY	RC
JOB #	2665

SHEET TITLE

ELECTRICAL SITE DEMOLITION PLAN

SHEET #

EU-100

SCALE	AS NOTED
DATE	11-16-2026

DRAWING SIZE: 30 X 42

TAGGED NOTES

##

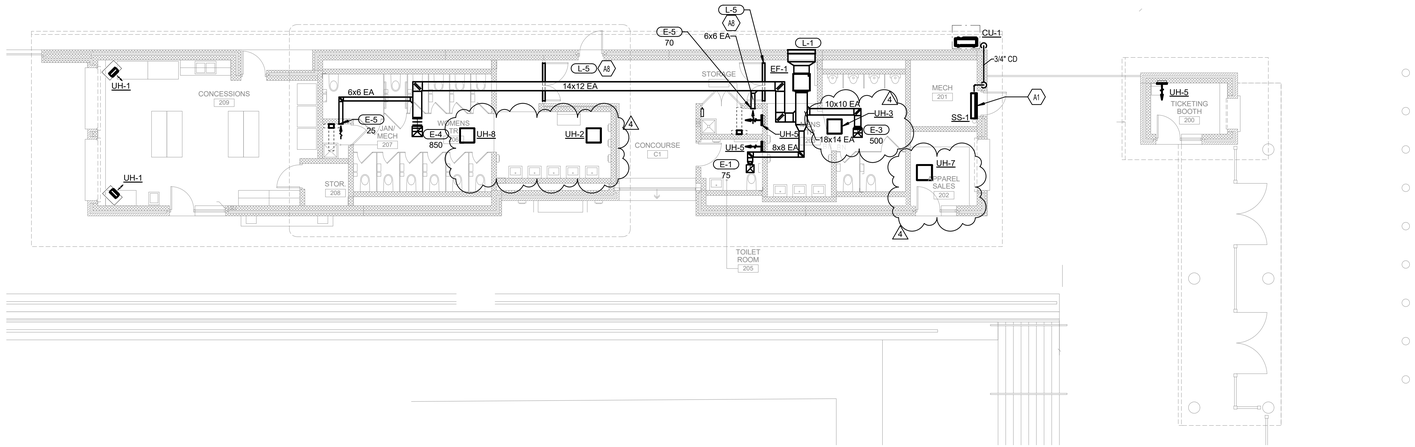
A1 UNIT TO BE MOUNTED 1'-0" ABOVE DOOR FRAME. CONDENSATE SHALL BE INSTALLED ACCORDING TO MANUFACTURER RECOMMENDATIONS AND ROUTED TO EXTERIOR WALL AS INDICATED. A BUG SCREEN SHALL BE INSTALLED AT THE END OF THE CONDENSATE PIPE.

A4 COMBINATION THERMOSTAT/HUMIDISTAT TO CONTROL RTU-1. REFER TO M-203 FOR LOCATION OF RTU-1.

A5 COMBINATION THERMOSTAT/HUMIDISTAT TO CONTROL RTU-2. REFER TO M-203 FOR LOCATION OF RTU-2.

A8 CONTRACTOR TO MOUNT LOUVER AT WITHIN THE ARCHITECTURAL FRAMING LOCATED ABOVE THE DOOR. COORDINATE WITH ARCHITECTURAL DRAWINGS, SHEET A0.3, FOR EXACT ELEVATION.

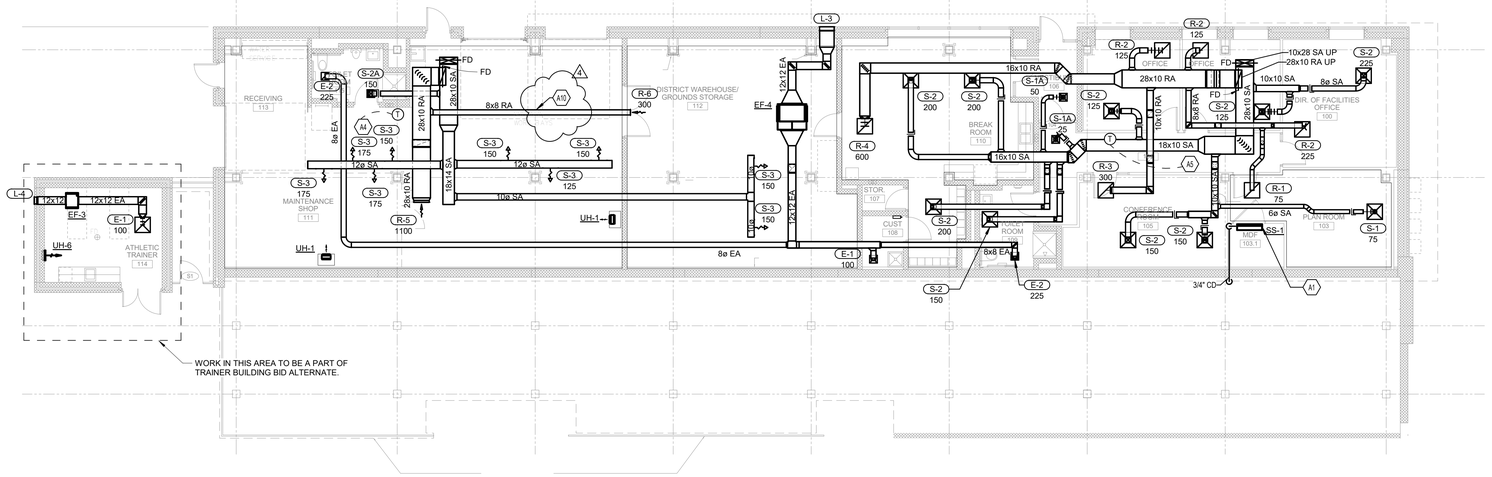
A10 CONTRACTOR TO COORDINATE THE DUCTWORK WITH THE BRACING OF THE OVERHEAD SECTIONAL DOOR.



MECHANICAL PLAN - HOME SIDE
CONCESSIONS AND RESTROOM BUILDING

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

0 2' 4' 8' 16' 24' 32'



MECHANICAL PLAN - HOME SIDE UNDER BLEACHERS

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

0 2' 4' 8' 16' 24' 32'

DRAWING SIZE: 30 X 42

STAMP

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BID SET	10/21/2026
ADDENDUM 4	11/16/2026

DRAWN BY	JAH
REVIEWED BY	CMR
JOB #	2665

SHEET TITLE

MECHANICAL PLAN - HOME SIDE PAVILION

SHEET #

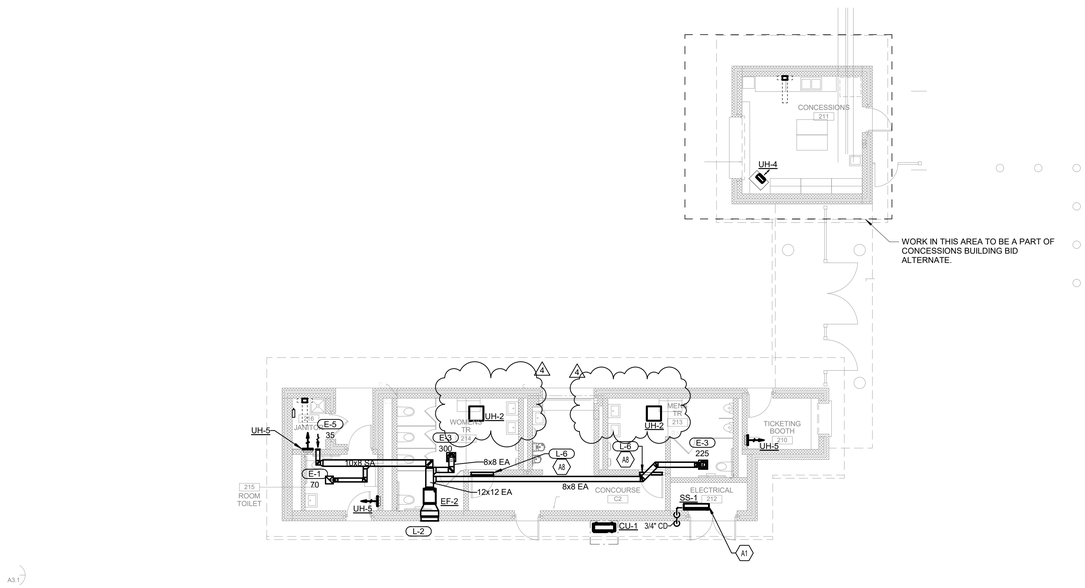
M-201

SCALE	AS NOTED
DATE	11-16-2026

TAGGED NOTES

A1 UNIT TO BE MOUNTED 1'-0" ABOVE DOOR FRAME. CONDENSATE SHALL BE INSTALLED ACCORDING TO MANUFACTURER RECOMMENDATIONS AND ROUTED TO EXTERIOR WALL AS INDICATED. A BUG SCREEN SHALL BE INSTALLED AT THE END OF THE CONDENSATE PIPE.

A8 CONTRACTOR TO MOUNT LOUVER AT WITHIN THE ARCHITECTURAL FRAMING LOCATED ABOVE THE DOOR. COORDINATE WITH ARCHITECTURAL DRAWINGS, SHEET A0.3, FOR EXACT ELEVATION.



MECHANICAL PLAN - VISITORS SIDE
CONCESSIONS AND RESTROOM BUILDING

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

0 2' 4' 8' 16' 24' 32'

STAMP

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
NICHOLAS MANFORD ROMEO
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POTTSGROVE HIGH SCHOOL FACILITY AND ATHLETIC IMPROVEMENTS

1345 KAUFFMAN RD, POTTSTOWN, PA 19464

REVISIONS	
BID SET	10/21/2026
ADDENDUM 4	11/16/2026

DRAWN BY	JAH
REVIEWED BY	CMR
JOB #	2665

SHEET TITLE

MECHANICAL PLAN - VISITORS SIDE PAVILION

SHEET #

M-202

SCALE	AS NOTED
DATE	11-16-2026

DRAWING SIZE: 30 X 42

AIR HANDLING UNIT SCHEDULE

MARK	MANUFACTURER	MODEL #	UNIT CONFIGURATION	SERVICE	LOCATION	PHYSICAL DATA				SUPPLY FAN														
						WIDTH (IN.)	LENGTH (IN.)	HEIGHT (IN.)	WEIGHT (LBS)	TOTAL SA CFM	MIN. OA CFM	FAN MOTOR TYPE	# OF FANS	FAN RPM	E.S.P. (" WC)	T.S.P. (" WC)	RATED H.P. (PER FAN)	B.H.P. (PER FAN)	VOLT.	PH.	MCA	MOCP	OP. FREQ.	REMARKS
RTU-1	DAIKIN	DPSH105B	PACKAGED ROOFTOP	FACILITIES STORAGE AND WORKSHOP	FACILITIES BUILDING ROOF	85	54	70	1276	1550	325	ECM	1	1781	1.00	1.6	1.7	0.59	480 V	3	45 A	50	60	ALL
RTU-2	DAIKIN	DPSH105B	PACKAGED ROOFTOP	FACILITIES STORAGE AND WORKSHOP	FACILITIES BUILDING ROOF	85	54	70	1276	1675	400	ECM	1	1856	1.00	1.6	1.7	0.67	480 V	3	45 A	50	60	ALL

AIR HANDLING UNIT SCHEDULE - PACKAGED AIR SOURCE

MARK	NO. OF ROWS	FIN SPACING (FINS/IN)	REFRIGERANT	COOLING PERFORMANCE											DX COIL HEATING PERFORMANCE			ELECTRIC HEATING				
				DX COIL								HOT GAS REHEAT COIL										
				TOTAL (MBH)	SENSIBLE (MBH)	EAT DB (°F)	EAT WB (°F)	LAT DB (°F)	LAT WB (°F)	FACE VELOCITY (FPM)	APD (IN. WG.)	EER	TOTAL CAPACITY (MBH)	LAT (°F)	HEATING CAPACITY (MBH)	EAT DB (°F)	LAT DB (°F)	TOTAL HEATING CAPACITY (MBH)	ELECTRIC CONSUMPTION (KW)	EAT (°F)	LAT (°F)	SCR CONTROL
RTU-1	4	14	R32	55.2	41.7	79	66	53	53	257	0.17	12.2	31.3	72	50.4	70	99.9	61.4	18 W	55	92	Yes
RTU-2	4	14	R32	56.7	43.8	80	66	55	55	277	0.19	12.2	31.5	72	50.6	70	99.9	61.4	18 W	55	89	Yes

AIR HANDLING UNIT SCHEDULE - CONDENSING SECTION

MARK	COMPRESSOR TYPE	COMPRESSOR QUANTITY	REFRIGERANT CHARGE LBS	CAPACITY CONTROL
RTU-1	INVERTER SCROLL	1	12.30	MODULATING CONTROL WITH INVERTER COMPRESSOR
RTU-2	INVERTER SCROLL	1	12.30	MODULATING CONTROL WITH INVERTER COMPRESSOR

AIR HANDLING UNIT SCHEDULE - FILTER SECTION

MARK	TYPE	NO OF FILTERS	WIDTH (IN)	HEIGHT (IN)	FACE VELOCITY (FPM)	PRESSURE DROP (CLEAN) ("WC)
RTU-1	2" MERV 8	4	16	16	236	0.09
RTU-2	2" MERV 8	4	16	16	236	0.09

REMARKS:
1. PROVIDE WITH SINGLE POINT POWER AND DISCONNECT.
2. PROVIDE WITH FACTORY MOUNTED CONTROLS WITH MORNING START UP, ECONOMIZER MODE, AND AN ADJUSTABLE OCCUPIED/UNOCCUPIED TIME SCHEDULE.
3. PROVIDE WITH 4" ROOF CURB.
4. PROVIDE WITH 1 YEAR ATTIC STOCK OF MERV 8 FILTERS.
5. PROVIDE WITH AIR DEFLECTOR HOOD ON TOP OF UNIT TO DELECT AIR AS INDICATED ON M-203.

EXHAUST FAN SCHEDULE

MARK	MANUFACTURER	MODEL #	SERVICE	TYPE	AIRFLOW (CFM)	E.S.P.	DRIVE	RPM	FAN HP	ELECTRICAL DATA			SONES	REMARKS
										VOLTAGE	PHASE	HZ		
EF-1	GREENHECK	SQ-120-VG	HOME SIDE CONCESSION AND WOMEN'S RESTROOM	INLINE CENTRIFUGAL	1500	0.50	DIRECT	1577	0.50	120 V	1	60	11.3	ALL
EF-2	GREENHECK	SQ-120-VG	VISITOR SIDE RESTROOMS	INLINE CENTRIFUGAL	650	0.30	DIRECT	690	0.50	120 V	1	60	2.2	ALL
EF-3	GREENHECK	CSP-A125	ATHLETIC TRAINER ROOM EXHAUST	INLINE CENTRIFUGAL	100	0.25	DIRECT	980	0.03	120 V	1	60	6.7	ALL
EF-4	GREENHECK	SQ-99-VG	FACILITIES DEPARTMENT BUILDING	INLINE CENTRIFUGAL	550	0.75	DIRECT	1602	0.25	120 V	1	60	11.9	ALL

REMARKS:
1. PROVIDE WITH ALL NECESSARY MOUNTING HARDWARE.
2. PROVIDE WITH SPEED CONTROLLER.
3. PROVIDE WITH MANUFACTURER PROGRAMMABLE TIMER SWITCH.

SPLIT SYSTEM OUTDOOR UNIT SCHEDULE

MARK	MANUFACTURER	MODEL #	DIMENSIONS (IN.)			WEIGHT (LBS)	TOTAL COOLING (MBH)	HEATING CAPACITY (MBH)	MINIMUM SEER	ELECTRICAL				REMARKS
			LENGTH	WIDTH	HEIGHT					MCA	MOCP	VOLTAGE	PHASE	
CU-1	LG	ZRUM048GSS0	38	13	28	130	24.0	27.0	13	31 A	40	208 V	1	ALL

SPLIT SYSTEM INDOOR UNIT SCHEDULE

MARK	MANUFACTURER	MODEL #	DIMENSIONS (IN.)			WEIGHT (LBS)	TOTAL COOLING MBH	TOTAL HEATING MBH	AIRFLOW (CFM)	ELECTRICAL		REMARKS
			LENGTH	WIDTH	HEIGHT					VOLTAGE	PHASE	
SS-1	LG	ZRNU243SKSA	40	9	14	29	24.2	27.3	537	208 V	1	ALL

REMARKS:
1. PROVIDE SINGLE POINT POWER CONNECTION AND DISCONNECT.
2. INDOOR UNIT SHALL BE POWERED BY THE OUTDOOR UNIT.

UNIT HEATER SCHEDULE - ELECTRIC

MARK	MANUFACTURER	MODEL #	TYPE	ELECTRICAL			REMARKS
				KW	VOLTAGE	PHASE	
UH-1	REZNOR	EUH-10	WALL MOUNTED	10.0	460 V	3	1, 2, 4
UH-2	REZNOR	ECS-AK7E	FLUSH-MOUNTED CEILING HEATER	5.0	460 V	3	ALL
UH-3	REZNOR	ECS-AK7E	FLUSH-MOUNTED CEILING HEATER	7.0	460 V	3	ALL
UH-4	REZNOR	EUH-5	WALL MOUNTED	5.0	208 V	3	1, 2, 4
UH-5	REZNOR	EHL-AK1E	WALL-MOUNTED FORCED-AIR HEATER	1.0	120 V	1	ALL
UH-6	REZNOR	EHL-AK1E	WALL-MOUNTED FORCED-AIR HEATER	1.5	120 V	1	ALL
UH-7	REZNOR	ECR-AK2	RECESS-MOUNTED CEILING HEATER	2.0	208 V	1	ALL
UH-8	REZNOR	ECS-AK7E	FLUSH-MOUNTED CEILING HEATER	10.0	460 V	3	ALL

REMARKS:
1. PROVIDE WITH UNIT MOUNTED THERMOSTAT WITH LOCKING COVER FOR THERMOSTAT.
2. PROVIDE WITH SINGLE POINT ELECTRICAL POWER AND DISCONNECT.
3. PROVIDE WITH COLOR-MATCHED SURFACE MOUNTING BOX, COLOR TO BE SELECTED BY ARCHITECT.
4. PROVIDE ALL REQUIRED MOUNTING HARDWARE.

LOUVER SCHEDULE

MARK	MANUFACTURER	MODEL #	SERVICE	DEPTH (IN)	CONSTRUCTION	CFM	WIDTH (IN)	HEIGHT (IN)	FREE AREA (SQFT)	VELOCITY (FPM)	APD (IN. WG.)	BIRD SCREEN	DRAINABLE BLADE	REMARKS
L-1	GREENHECK	EAD-635-44X20	EF-1	6	ALUMINUM	1525	44	20	3.0	559	0.04	Yes	Yes	1
L-2	GREENHECK	EAD-635-28X16	EF-2	6	ALUMINUM	650	28	16	1.1	573	0.04	Yes	Yes	1
L-3	GREENHECK	ESD-635-24X24	FACILITIES BUILDING EXHAUST AIR	6	ALUMINUM	550	24	24	1.8	330	0.01	Yes	Yes	1
L-4	GREENHECK	EAD-401-12X12	ATHLETIC TRAINER ROOM EXHAUST	4	ALUMINUM	100	12	12	0.2	647	0.05	Yes	Yes	1
L-5	GREENHECK	ESD-403-60X12	HOME SIDE MENS AND WOMENS RESTROOM INTAKE	4	ALUMINUM	800	60	12	1.8	438	0.03	Yes	Yes	1,2
L-6	GREENHECK	ESD-403-36X12	VISITORS SIDE MENS AND WOMENS RESTROOM INTAKE	4	ALUMINUM	400	36	12	1.1	367	0.02	Yes	Yes	1,2

REMARKS:
1. COLOR AND FINISH TO BE SELECTED BY ARCHITECT.
2. LOUVER TO BE PROVIDED WITH BUG SCREEN AND GLAZING FRAME.

REGISTERS, GRILLES, AND DIFFUSERS

MARK	MANUFACTURER	MODEL #	TYPE	GRILLE SIZE	PANEL SIZE	DUCT INLET SIZE	DUCT BRANCH SIZE	MAX CFM	P.D.	NOISE CRITERIA	THROW PATTERN	REMARKS
E-1	TITUS	50F	ALUMINUM 1/2" EGG CRATE	22"X22"	24"X24"	6"Ø	8"Ø	100	0.05	25	-	1
E-2	TITUS	50F	ALUMINUM 1/2" EGG CRATE	8"X8"	10"X10"	8"Ø	10"Ø	225	0.04	24	-	1
E-3	TITUS	50F	ALUMINUM 1/2" EGG CRATE	12"X12"	14"X14"	10"Ø	12"Ø	700	0.04	24	-	1
E-4	TITUS	50F	ALUMINUM 1/2" EGG CRATE	14"X14"	16"X16"	12"Ø	14"Ø	975	0.04	24	-	1
E-5	TITUS	350FL	ALUMINUM LOUVERED SIDEWALL	6"X6"	8"X8"	6"x6"	REFER TO PLANS	125	0.03	18	-	1
R-1	TITUS	50F	ALUMINUM 1/2" EGG CRATE	22"X22"	24"X24"	6"Ø	8"Ø	100	0.05	25	-	1
R-2	TITUS	50F	ALUMINUM 1/2" EGG CRATE	22"X22"	24"X24"	8"Ø	10"Ø	225	0.05	25	-	1
R-3	TITUS	50F	ALUMINUM 1/2" EGG CRATE	22"X22"	24"X24"	10"Ø	12"Ø	400	0.05	25	-	1
R-4	TITUS	50F	ALUMINUM 1/2" EGG CRATE	22"X22"	24"X24"	12"Ø	14"Ø	600	0.05	25	-	1
R-5	TITUS	50F	ALUMINUM 1/2" EGG CRATE	24"X12"	26"X14"	24"X12"	24"X12"	1300	0.05	25	-	1
R-6	TITUS	50F	ALUMINUM 1/2" EGG CRATE	8"X8"	10"X10"	8"X8"	8"X8"	300	0.05	24	-	1
S-1	TITUS	OMNI-AA	ALUMINUM SQUARE PLAQUE DIFFUSER	24"X24"	24"X24"	8"Ø	10"Ø	225	0.05	25	4-WAY	1
S-1A	TITUS	OMNI-AA	ALUMINUM SQUARE PLAQUE DIFFUSER	12"X12"	12"X12"	6"Ø	8"Ø	100	0.05	25	4-WAY	1
S-2	TITUS	OMNI-AA	ALUMINUM SQUARE PLAQUE DIFFUSER	24"X24"	24"X24"	8"Ø	10"Ø	225	0.05	25	4-WAY	1
S-2A	TITUS	OMNI-AA	ALUMINUM SQUARE PLAQUE DIFFUSER	12"X12"	12"X12"	8"Ø	10"Ø	225	0.05	25	4-WAY	1
S-3	TITUS	S300FL	ALUMINUM SPIRAL MOUNTED DOUBLE DEFLECTION GRILLE	10"X4"	12"X6"	REFER TO PLANS	REFER TO PLANS	150	0.10	22	4-WAY	1,2

REMARKS:
1. COLOR TO BE SELECTED BY ARCHITECT.
2. PROVIDE WITH FACE MOUNTED BALANCING DAMPER.

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ADDENDUM 4	11/16/2026

DRAWN BY	JAH
REVIEWED BY	CMR
JOB #	2665

SHEET TITLE

MECHANICAL SCHEDULES

SHEET #

M-400

SCALE	AS NOTED
DATE	11-16-2026

DRAWING SIZE: 30 X 42

WATER HEATER SCHEDULE - ELECTRIC

MARK	MANUFACTURER	MODEL #	SERVICE	STORAGE (GAL)	RECOVERY @ 100°F RISE (GPH)	KW	VOLTAGE	PHASE	REMARKS
WH-1	AO SMITH	DRE-52-9	FACILITIES DEPARTMENT BUILDING	50.00	37.0	9	460 V	3	ALL

REMARKS:
1. PROVIDE WITH SINGLE POINT ELECTRICAL POWER AND DISCONNECT.
2. PROVIDE DRAIN PAN FOR UNIT.
3. PROVIDE ISOLATION VALVE FOR DRAIN.

POINT OF USE ELECTRIC WATER HEATER SCHEDULE

MARK	MANUFACTURER	MODEL #	SERVICE	STORAGE (GAL)	GPH @ 80°F RISE	KW	VOLTAGE	PHASE	REMARKS
EWH-2	AO SMITH	UPVA-55E	HOME SIDE CONCESSION AND WOMEN'S RESTROOM	0.00	23.4	5.5	208 V	1	ALL
EWH-3	AO SMITH	UPVA-35K	HOME SIDE MEN'S RESTROOMS	0.00	14.4	3.5	208 V	1	ALL
EWH-4	AO SMITH	UPVA-24K	VISITOR SIDE CONCESSIONS	0.00	10.0	2.4	120 V	1	ALL
EWH-5	AO SMITH	UPVA-35K	VISITOR SIDE RESTROOMS	0.00	17.4	3.5	208 V	1	ALL

REMARKS:
1. PROVIDE WITH SINGLE POINT ELECTRICAL POWER AND DISCONNECT.
2. PROVIDE ALL NECESSARY MOUNTING HARDWARE.
3. PROVIDE DRAIN PAN FOR UNIT.
4. PROVIDE ISOLATION VALVE FOR DRAIN.

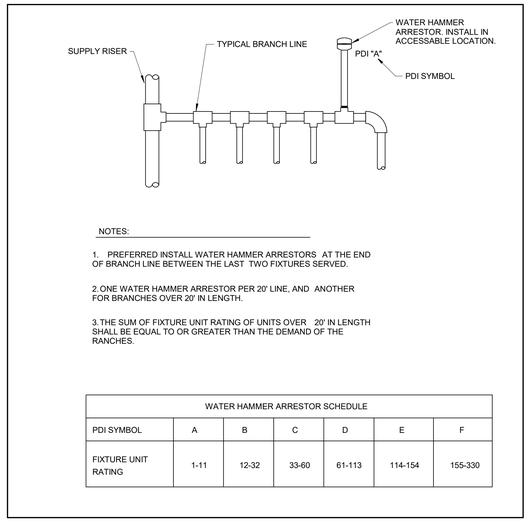
PLUMBING FIXTURE SCHEDULE

TAG	DESCRIPTION	CW	HW	VENT	WASTE/DRAIN
FD-1	FLOOR DRAIN - 6" DIA. : ZURN, ZN-415 OR EQUAL FLOOR DRAIN WITH 6" DIAMETER TOP, TYPE "B" NICKEL BRONZE STRAINER, 4" DRAIN OUTLET AND TRAP PRIMER CONNECTION.	-	-	2"	4"
FPWH	FREEZE-PROOF WALL HYDRANT : ZURN 1300 OR EQUIVALENT, 3/4", ENCASED, FLUSH, NON-FREEZE WALL HYDRANT WITH KEY LOCK AND COMBINATION BACKFLOW PREVENTER/VACUUM BREAKER. MOUNT HYDRANT AT A MINIMUM OF 20" ABOVE FINISHED GRADE. REFER TO MECHANICAL SPECIFICATION FOR ADDITIONAL REQUIREMENTS.	3/4"	-	-	-
HB	HOSE BIBB : ZURN MODEL Z1350 OR EQUAL ENCASED MODERATE CLIMATE WALL HYDRANT FOR NARROW WALL INSTALLATION. WITH ALL BRONZE BODY, ALL BRONZE INTERIOR PARTS, REPLACEABLE SEAT WASHER, LOOSE KEY OPERATED CONTROL VALVE, VACUUM BREAKER AND 3/4" MALE HOSE CONNECTION. ADJUSTABLE STAINLESS STEEL BOX FURNISHED WITH HINGED COVER CYLINDER LOCK AND "WATER" STAMPED ON THE COVER. MOUNTED WITH HOSE CONNECTION AT 18" ABOVE FINISHED FLOOR ELEVATION OF AREA SERVED.	1/2"	-	-	-
P-1	WATER CLOSET - FLOOR MOUNTED - BATTERY SENSOR FLUSH VALVE : VITREOUS CHINA, 15" HIGH ELONGATED BOWL, SIPHON JET, 1-1/2" TOP SPUD INLET, CHINA BOLT CAPS AND WHITE OPEN FRONT PLASTIC SEAT WITH SELF-SUSTAINING CHECK HINGES. PROVIDE WITH A BATTERY POWERED, SIDE MOUNT SENSOR OPERATED 1.6 GPF FLUSH VALVE WITH OVERRIDE BUTTON AND CHROME PLATED HOUSING.	1-1/2"	-	2"	4"
P-1A	WATER CLOSET - FLOOR MOUNTED - BATTERY SENSOR FLUSH VALVE - ADA COMPLIANT : VITREOUS CHINA, 18" HIGH ELONGATED BOWL, SIPHON JET, 1-1/2" TOP SPUD INLET, CHINA BOLT CAPS AND WHITE OPEN FRONT PLASTIC SEAT WITH SELF-SUSTAINING CHECK HINGES. PROVIDE WITH A BATTERY POWERED, SIDE MOUNT SENSOR OPERATED 1.6 GPF FLUSH VALVE WITH OVERRIDE BUTTON AND CHROME PLATED HOUSING. OVERRIDE BUTTON SHALL A MAXIMUM OF 31" AFF.	1-1/2"	-	2"	4"
P-2	LAVATORY - WALL HUNG W/GOOSENECK FAUCET : VITREOUS CHINA, 20" X 18", WALL HUNG LAVATORY WITH 4" FAUCET CENTER CENTERS, CONCEALED ARMS AND A 4" HIGH BACKSLASH. PROVIDE WITH A 8" HIGH CHROME PLATED GOOSENECK FAUCET WITH 4" LONG WRIST BLADE HANDLES, GRID DRAIN, 3/8" ANGLE SUPPLIES WITH STOPS, KENTUCKY CODE P-TRAP, TAILPIECE AND ESCUTCHEONS. MOUNT WITH LAVATORY AT A HEIGHT LEAVING A CLEARANCE OF 29-1/2" FROM THE FLOOR TO THE BOTTOM OF THE APRON AND THE RIM AT 33-7/8" AFF. PROVIDE WITH FLOOR MOUNTED WALL CARRIER.	1/2"	1/2"	2"	2"
P-2A	LAVATORY - WALL HUNG W/GOOSENECK FAUCET - ADA COMPLIANT : VITREOUS CHINA, 20" X 18", WALL HUNG LAVATORY WITH 4" FAUCET CENTER CENTERS, CONCEALED ARMS AND A 4" HIGH BACKSLASH. PROVIDE WITH A 8" HIGH CHROME PLATED GOOSENECK FAUCET WITH 4" LONG WRIST BLADE HANDLES, GRID DRAIN, 3/8" ANGLE SUPPLIES WITH STOPS, PENNSYLVANIA CODE P-TRAP, TAILPIECE AND ESCUTCHEONS. MOUNT WITH LAVATORY AT A HEIGHT LEAVING A CLEARANCE OF 29-1/2" FROM THE FLOOR TO THE BOTTOM OF THE APRON AND THE RIM AT 33-7/8" AFF. PROVIDE ON THE EXPOSED WASTE PIPE AND WATER SUPPLY LINES A TRAP-WRAP INSULATION KIT WITH A VINYL PLASTIC COVERING. PROVIDE WITH FLOOR MOUNTED WALL CARRIER.	1/2"	1/2"	2"	2"
P-3	SHOWER UNIT (42"X38") - ADA COMPLIANT : AQUARIUS MODEL G3682BF ALCOVE ONE-PIECE SHOWER WITH CENTER DRAIN; 42"x38"x82" O.D., 40"X36"X81-1/2" I.D., 5/8" THRESHOLD - BARIER FREE - ADA/ANSI COMPLIANT, ADA COMPLIANT GRAB BAR, CURTAIN ROD AND SHOWER CUTRAIN, AND FOLD UP PHENOLIC SLAT SEAT. WHITE IN COLOR. PROVIDE SYMMON'S MODEL 25-500-B30-V-X-CHKS TEMPTROL 2000 OR EQUAL PRESSURE-BALANCING MIXING VALVE WITH ADJUSTABLE STOP SCREW TO LIMIT HANDLE TURN. SHALL HAVE INTEGRAL VOLUME CONTROL, CLEARFLO SHOWER HEAD WITH ARM AND FLANGE AND PROVIDE WALL/HAND SHOWER, FLEXIBLE METAL HOSE, IN-LINE VACUUM BREAKER, WALL CONNECTION AND FLANGE AND A 30" SLIDE BAR FOR HAND SHOWER MOUNTING. HAND SHOWER SHALL BE CAPABLE OF DISCONNECT FROM SLIDE BAR. PROVIDE CHECK VALVES IN THE HOT AND COLD WATER SUPPLIES.	3/4"	3/4"	2"	2"
P-4	URINAL - BATTERY POWERED SENSOR FLUSH VALVE : VITREOUS CHINA WASHDOWN URINAL WITH 3/4" TOP SPUD INLET AND 2" I.P.S. OUTLET. PROVIDE WITH BATTERY POWERED SIDE MOUNT SENSOR OPERATED 1.0 GPF FLUSH VALVE WITH OVERRIDE BUTTON AND CHROME PLATED HOUSING AND VANDAL RESISTANT OUTLET STRAINER. PROVIDE WITH FLOOR MOUNTED WALL CARRIER. MOUNT WITH LIP AT 24" AFF. BOWL SHALL EXTEND NO FURTHER THAN 16 INCHES OFF THE MOUNTED WALL.	3/4"	-	2"	2"
P-4A	URINAL - BATTERY POWERED SENSOR FLUSH VALVE - ADA COMPLIANT : VITREOUS CHINA WASHDOWN URINAL WITH 3/4" TOP SPUD INLET AND 2" I.P.S. OUTLET. PROVIDE WITH BATTERY POWERED SIDE MOUNT SENSOR OPERATED 1.0 GPF FLUSH VALVE WITH OVERRIDE BUTTON AND CHROME PLATED HOUSING AND VANDAL RESISTANT OUTLET STRAINER. PROVIDE WITH FLOOR MOUNTED WALL CARRIER. MOUNT WITH LIP AT 16" AFF. BOWL SHALL EXTEND NO FURTHER THAN 16 INCHES OFF THE MOUNTED WALL.	3/4"	-	2"	2"
P-5	SINGLE COMPARTMENT SINK - ADA COMPLIANT : SINGLE COMPARTMENT STAINLESS STEEL SINK, 17"X20" O.D., 14"X15" I.D., 6-1/2" DEEP, 18 GAUGE, WITH 8" CENTERS. PROVIDE WITH 8" RIGID SPOUT GOOSENECK FAUCET WITH 4" WRIST BLADE CONTROL HANDLES, REAR CENTERED CRUMB CUP STRAINER DRAIN, 3/8" ANGLE SUPPLIES WITH STOPS, PENNSYLVANIA CODE P-TRAP. TAILPIECE AND ESCUTCHEONS.	1/2	1/2"	2"	2"
P-6	DRINKING FOUNTAIN - ADA COMPLIANT : ELECTRIC WATER COOLER; 7.5 GPH OF 50°F WATER AT 90°F ROOM TEMPERATURE AND 80°F ENTERING WATER; 18 GAUGE STAINLESS STEEL BASIN, 1/5 HP COMPRESSOR; WITH FRONT AND SIDE PUSH BUTTON BAR OPERATOR, WALL MOUNTED WITH BUBBLER 35" AFF. ELKAY MODEL EDFP214FC OR EQUIVALENT.	1/2"	-	2"	2"
P-6A	DRINKING FOUNTAIN WITH BOTTLE FILLER - ADA COMPLIANT - ELKAY LZLMSN-EDFPVM214DK OR EQUIVALENT. AMBIENT, VANDAL RESISTANT. RECEPTOR WITH SANITARY SENSOR ACTIVATION BOTTLE FILLER, BARRIER FREE DRINKING FOUNTAIN, 18 GAUGE STAINLESS STEEL BASIN, WITH FRONT PUSH BUTTON OPERATOR, WALL MOUNTED WITH CARRIER. REFER TO ARCHECHTURAL PLANS FOR MOUNTING HEIGHTS.	1/2"	-	2"	2"
P-6B	ELECTRIC WATER COOLER - BI LEVEL - ADA COMPLIANT : BI-LEVEL BARRIER FREE WATER COOLER WITH SINGLE COMPRESSOR, WATER SUPPLY, DRAIN AND ELECTRICAL CONNECTION. 8.0 GPH OF 50°F WATER AT 90°F AMBIENT AND 80°F INLET WATER, 18.8 GAUGE STAINLESS STEEL BASIN, 1/5 HP COMPRESSOR, 115V/1PH, SURFACE MOUNTED TO THE WALL WITH CHILLER BELOW BOWL AND SIDE AND FRONT PUSH BAR OPERATORS. MOUNT SO THE BOTTOM OF THE LOWER COOLER IS AT 9" MINIMUM AFF WITH A CLEARANCE OF 27" MINIMUM FROM THE BOTTOM OF THE APRON OF THE BOWL TO THE FINISHED FLOOR. THE DIMENSION TO THE CENTERLINE OF THE LOWER COOLER BUBBLER SHALL BE 35". PROVIDE WITH STAINLESS STEEL CANE TOUCH APRON ATTACHED TO THE HI COOLER. ELKAY MODEL LZLMSN-EDFPVM217DK OR EQUIVALENT.	1/2"	-	2"	2"
P-7	MOP BASIN : 24"X24"X10" HIGH MOLDED STONE MOP SERVICE BASIN, IN WHITE DRIFT COLOR, 3" DRAIN, SERVICE FAUCET, HOSE AND HOSE BRACKET, VINYL BUMPERGUARD AND STAINLESS STEEL WALL GUARDS. THE DRAIN SHALL BE LOCATED 12" TO THE CENTER. PROVIDE A CHECK VALVE IN THE HOT AND COLD WATER SUPPLIES.	3/4"	3/4"	2"	3"
P-8	3 STATION LAVATORY SYSTEM : ACORN MERIDIAN MODEL 3713-1-SO-BAT-DMJ-TZ OR EQUAL THREE STATION LAVATORY SYSTEM - ADA COMPLIANT, WALL HUNG WITH RIM AT 31" AFF, WITH STAINLESS STEEL FRONT THREE HOLE TRAPEZOIDAL BASIN OFF-FLOOR, WALL OUTLET WITH SENSOR OPERATED, BATTERY POWERED DECK MOUNTED 'J' SPOUTS. PROVIDE WITH THERMOSTATIC MIXING VALVE ASSEMBLY. PROVIDE WITH CHROME PLATED SUPPLIES, ANGLE STOPS, P-TRAP AND ESCUTCHEONS. 72" MAX. WIDTH.	1/2"	1/2"	2"	2"
P-9	DOUBLE COMPARTMENT SINK W/ GOOSENECK FAUCET : DOUBLE COMPARTMENT STAINLESS STEEL SINK, 20"X33" O.D., 14"X15" I.D., 18 GAUGE, 6-1/2" DEEP, REAR FAUCET LEDGE WITH 8" CENTERS. PROVIDE WITH CHROME PLATED GOOSENECK FAUCET WITH 4" BLADES AND SWING SPOUT. PROVIDE WITH CHROME SUPPLIES, STOPS, TAILPIECE, PENNSYLVANIA CODE P-TRAP, CRUMB CUP STRAINER DRAINS, CONTINUOUS WASTE AND ESCUTCHEONS.	1/2"	1/2"	2"	2"
P-10	SINK : 18 GAUGE 304 STAINLESS STEEL SINK 22"X25" O.D., 20"X20"X 14-1/2" DEEP I.D., REAR FAUCET LEDGE, SINGLE LEVER GOOSENECK RIGID SPOUT FAUCET, AERATOR, CRUMB CUP STRAINER, CHROME SUPPLIES, STOPS, PENNSYLVANIA CODE P-TRAP AND ESCUTCHEONS. PROVIDE WITH MODEL ZURN Z-1180 PLASTER TRAP.	1/2"	1/2"	2"	2"
P-11	WATER SUPPLY WALL BOX - 10"X 6-1/2" RECESSED WATER VALVE BOX, 18 GAUGE STEEL BOX WITH A SINGLE 1/2" WATER SUPPLY INLET, ANGLE STOP AND 3/8" COMPRESSION OUTLET.	1/2"	-	-	-
RD-1	ROOF DRAIN : ZURN Z-100 OR EQUIVALENT, 15" DIAMETER ROOF DRAIN, DURA-COATED CAST IRON BODY WITH COMBINATION MEMBRANE FLASHING CLAMP/GRAVEL GUARD AND LOW SILHOUETTE CAST IRON DOME. PROVIDE WITH ANY ACCESSORIES NEEDED FOR INSTALLATION IN ROOF SPECIFIED BY ARCHITECT AND AS RECOMMENDED BY THE ROOF MANUFACTURER. REFER TO PLUMBING PLANS FOR DRAIN OUTLET SIZES.	-	-	-	REFER TO PLANS
TD-1	TRENCH DRAIN W/ SANDTRAP : TRENCH DRAINS SHALL BE ECONODRAIN AS MANUFACTURED BY MULTI-DRAIN CORPORATION. GRATING WIDTH SHALL BE 5-1/4", WITH A 3/4" DEPTH. ALL GRATING SHALL BE STAINLESS STEEL. TRENCH WIDTH SHALL BE 4" WITH A DEPTH OF 6" AT THE SHALLOW END WITH A SLOPE OF 1/4" PER FOOT. DRAIN SHALL BE 8 FEET LONG. PROVIDE 4" BOTTOM DRAIN, P-TRAP AND 24"x24" ECONODRAIN CATCH BASIN. REFER TO THE DRAWINGS FOR TOTAL LENGTH OF TRENCH DRAIN. TRENCH DRAINS SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS AND IN A CODE APPROVED MANNER.	-	-	-	4"
TP-2	TRAP PRIMER TYPE-2 : PRECISIONS PLUMBING PRODUCTS MINI-PRIME OR EQUAL ELECTRONIC TRAP PRIMING MANIFOLD, WITH ATMOSPHERIC VACUUM BREAKER, PRE-SET 24 HOUR CLOCK, MANUAL OVERRIDE SWITCH, 120 VOLT SOLENOID VALVE WITH 120V/3WIRE CONNECTION. PROVIDE IN 12" X 12" X 4" SURFACE MOUNTED METAL CABINET. PROVIDE WITH DISTRIBUTION UNIT. INSTALL UNITED AS REQUIRED BY MANUFACTURER.	3/4"	-	-	-

DOMESTIC HOT WATER RECIRCULATION PUMP SCHEDULE

MARK	MANUFACTURER	MODEL	SERVICE	GPM	PRESS DROP (FT HEAD)	MOTOR HP	VOLTAGE	PHASE	REMARKS
RP-1	BELL & GOSSETT	LR-15BWR	DOMESTIC HOT WATER	2	10.00	0.17	120 V	1	ALL

REMARKS:
1. PROVIDE WITH SINGLE POINT ELECTRICAL POWER.
2. BRONZE LEAD FREE BODY FOR POTABLE WATER APPLICATION.
3. PROVIDE WITH AQUASTAT CONTROLLER WITH ADJUSTABLE THERMOSTAT SETTING FOR AUTOMATIC CIRCULATION.

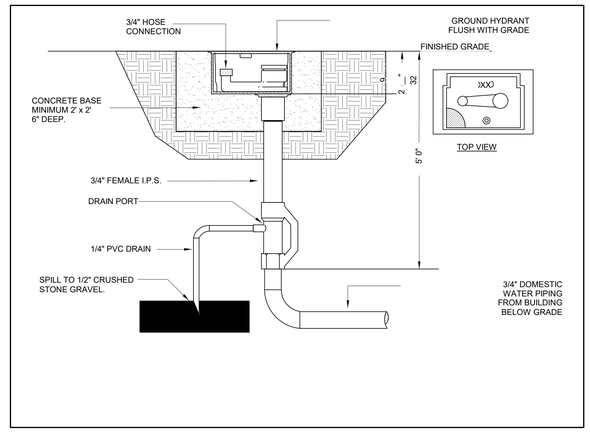


NOTES:

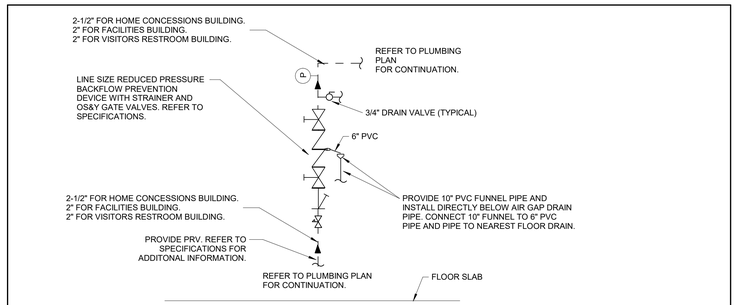
1. PREFERRED INSTALL WATER HAMMER ARRESTORS AT THE END OF BRANCH LINE BETWEEN THE LAST TWO FIXTURES SERVED.
2. ONE WATER HAMMER ARRESTOR PER 20' LINE, AND ANOTHER FOR BRANCHES OVER 20' IN LENGTH.
3. THE SUM OF FIXTURE UNIT RATING OF UNITS OVER 20' IN LENGTH SHALL BE EQUAL TO OR GREATER THAN THE DEMAND OF THE RANCHES.

WATER HAMMER ARRESTOR SCHEDULE						
PDI SYMBOL	A	B	C	D	E	F
FIXTURE UNIT RATING	1-11	12-32	33-60	61-113	114-154	155-330

3 WATER HAMMER ARRESTOR INSTALLATION DETAIL
SCALE: NONE

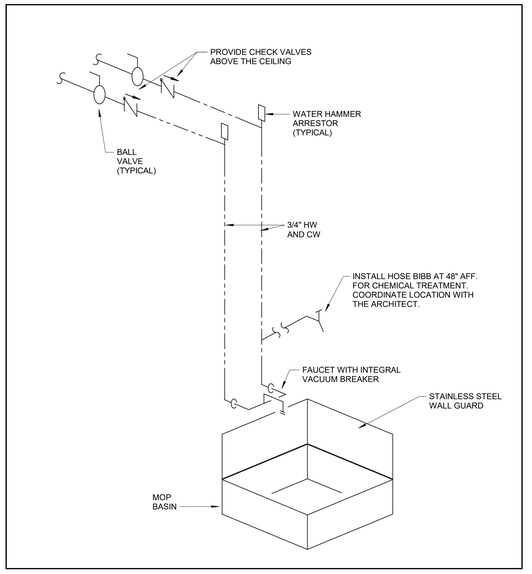


1 FREEZE PROOF GROUND HYDRANT DETAIL
SCALE: NONE

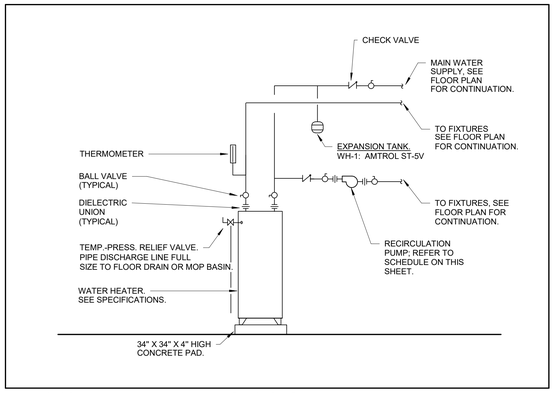


NOTES:
1. FACILITIES BUILDING DOMESTIC WATER ENTRANCE SHALL BE TAPPED OFF OF THE MAIN WATER SERVICE ENTERING THE BUILDING. REFER TO THE DETAIL ON FP-301 FOR ADDITIONAL INFORMATION ON THE WATER SERVICE ENTRANCE.
2. HOME SIDE AND VISITOR SIDE CONCESSION/RESTROOM BUILDING DOMESTIC WATER ENTRANCE SHALL BE LOCATED AS SHOWN WITHIN THE PLUMBING DRAWINGS.

5 DOMESTIC WATER ENTRANCE SCHEMATIC
SCALE: NONE



2 MOP BASIC DETAIL
SCALE: NONE



TYPICAL WATER HEATERS PIPING SCHEMATIC
6 SCALE: NONE

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REVISIONS	
BID SET	10/21/2026
ADDENDUM #	11/16/2026
DRAWN BY	JAH
REVIEWED BY	CMR
JOB #	2665

SHEET TITLE

PLUMBING SCHEDULES AND DETAILS

SHEET #

P-002

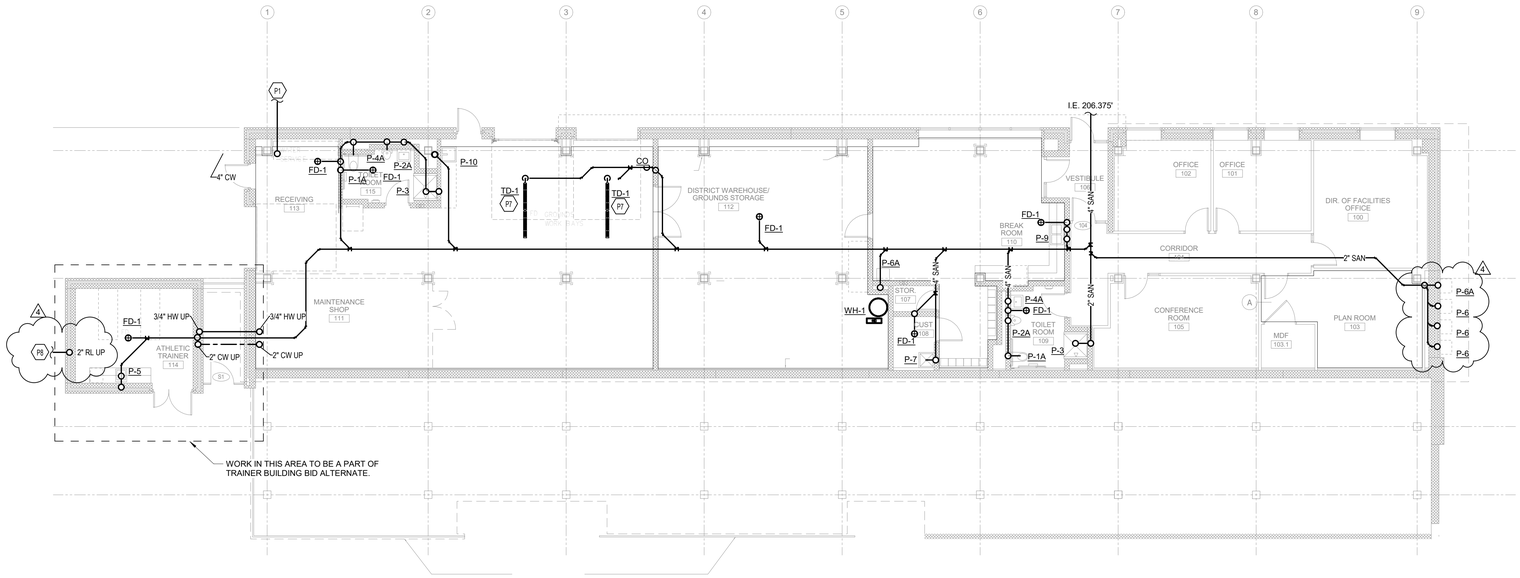
SCALE	AS NOTED
DATE	11-16-2026

DRAWING SIZE: 30 X 42

TAGGED NOTES

(##)

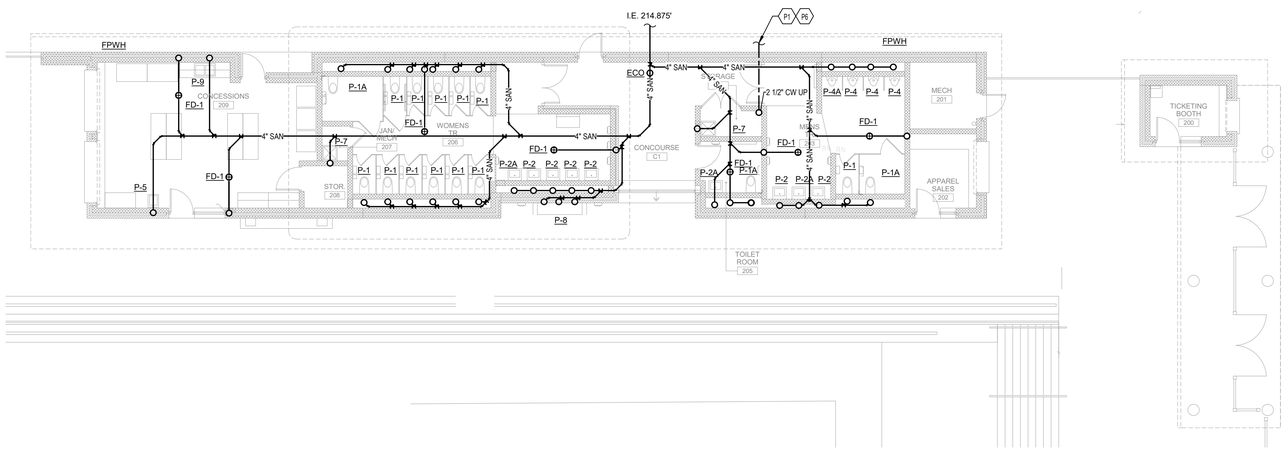
- P1 DOMESTIC WATER ENTRANCE. REFER TO CIVIL PLANS FOR CONTINUATION.
- P2 REFER TO PAGE P-202 FOR CONTINUATION OF FORCE MAIN SYSTEM.
- P3 REFER TO CIVIL SITE UTILITY FOR CONTINUATION OF FORCE MAIN SYSTEM TO 8 INCH SANITARY MAIN.
- P6 CONTRACTOR SHALL INSTALL A DOMESTIC WATER DRAINAGE PIT AT THE DOMESTIC WATER EXIT POINT OF THE BUILDING. REFER TO DETAIL NUMBER 2 ON SHEET P-003 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- P7 PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR POURING THEIR OWN FOUNDATION AROUND THE TRENCH DRAIN. THIS POUR AND CURING SHALL OCCUR PRIOR TO THE GENERAL CONTRACTOR POURING THE REMAINING SLAB. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR EXACT TRENCH DRAIN LOCATION AND SIZING. CONTRACTOR SHALL BE RESPONSIBLE FOR SLOPING THE AREA AROUND THE DRAIN IN ACCORDANCE WITH THE DRAWINGS.
- P8 ROOF LEADER TO EXIT BUILDING AND ROUTE TO STORM SYSTEM ON SITE. REFER TO CIVIL PLANS FOR CONTINUATION. ROOF LEADER INVERT ELEVATION TO BE 207 FEET.



UNDERSLAB PLUMBING PLAN - HOME SIDE UNDER BLEACHERS

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

0 2' 4' 8' 16' 24' 32'



UNDERSLAB PLUMBING PLAN - HOME SIDE CONCESSIONS AND RESTROOM BUILDING

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

0 2' 4' 8' 16' 24' 32'



STAMP

CONSULTANTS

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REVIEWED BY	CMR
JOB #	2665

SHEET TITLE

UNDERSLAB PLUMBING PLAN - HOME SIDE PAVILION

SHEET #

P-201

SCALE	AS NOTED
DATE	11-16-2026

DRAWING SIZE: 30 X 42

TAGGED NOTES

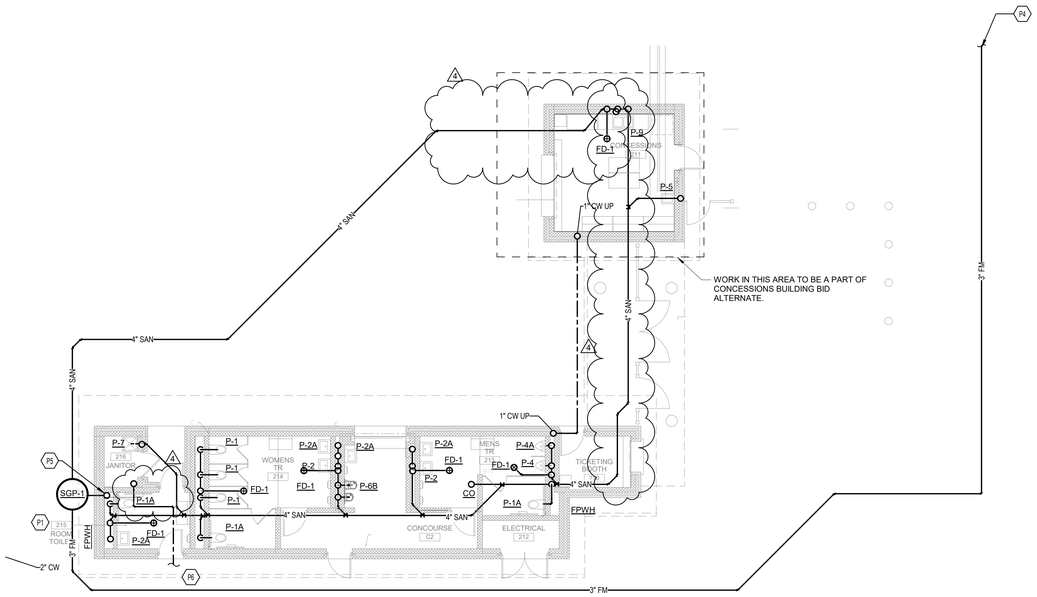
##

P1 DOMESTIC WATER ENTRANCE. REFER TO CIVIL PLANS FOR CONTINUATION.

P4 REFER TO PAGE P-201 FOR CONTINUATION OF FORCE MAIN SYSTEM.

P5 4" WET WELL VENT. VENT SHALL EXTEND THROUGH ROOF AND TERMINATE NOT LESS THAN 15" ABOVE GRADE. TERMINATE PER GRINDER PUMP AND WET WELL MANUFACTURER RECOMMENDATIONS.

P6 CONTRACTOR SHALL INSTALL A DOMESTIC WATER DRAINAGE PIT AT THE DOMESTIC WATER EXIT POINT OF THE BUILDING. REFER TO DETAIL NUMBER 2 ON SHEET P-003 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



UNDERSLAB PLUMBING PLAN - VISITORS SIDE CONCESSIONS AND BLEACHERS

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

0 2' 4' 8' 16' 24' 32'

STAMP

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SHEET TITLE

UNDERSLAB PLUMBING PLAN - VISITORS SIDE PAVILION

SHEET #

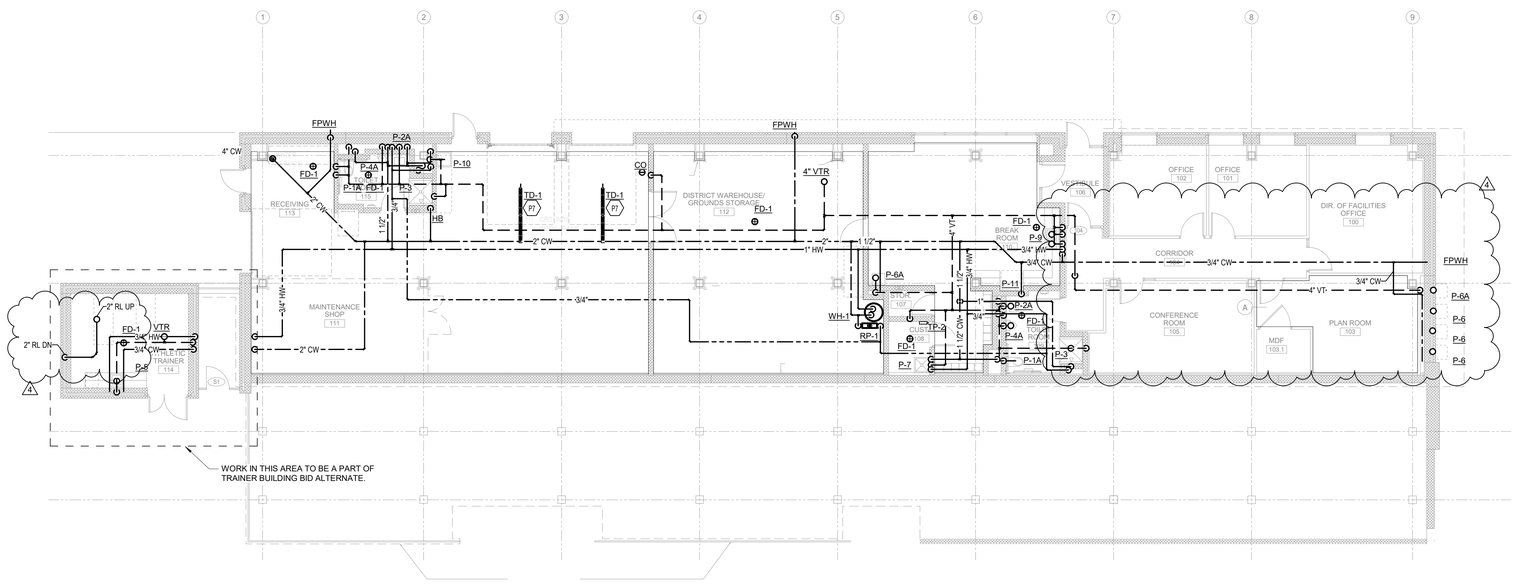
P-202

SCALE	AS NOTED
DATE	11-16-2026

DRAWING SIZE: 30 X 42

TAGGED NOTES

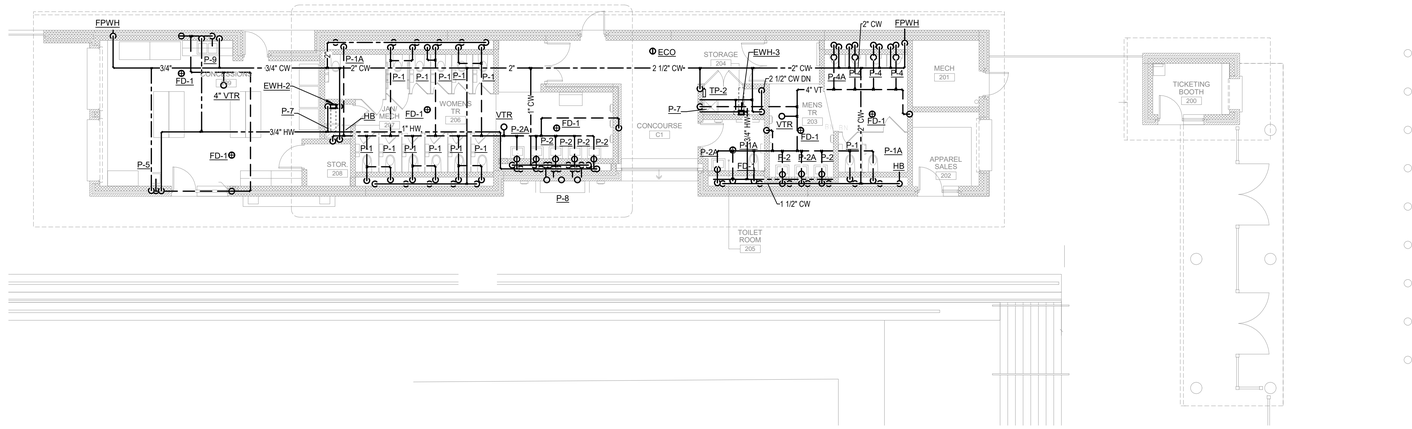
P7 PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR POURING THEIR OWN FOUNDATION AROUND THE TRENCH DRAIN. THIS POUR AND CURING SHALL OCCUR PRIOR TO THE GENERAL CONTRACTOR POURING THE REMAINING SLAB. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR EXACT TRENCH DRAIN LOCATION AND SIZING. CONTRACTOR SHALL BE RESPONSIBLE FOR SLOPING THE AREA AROUND THE DRAIN IN ACCORDANCE WITH THE DRAWINGS.



PLUMBING PLAN - HOME SIDE UNDER BLEACHERS

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

0 2' 4' 8' 16' 24' 32'



PLUMBING PLAN - HOME SIDE CONCESSIONS AND RESTROOM BUILDING

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

0 2' 4' 8' 16' 24' 32'

DRAWING SIZE: 30 X 42

STAMP

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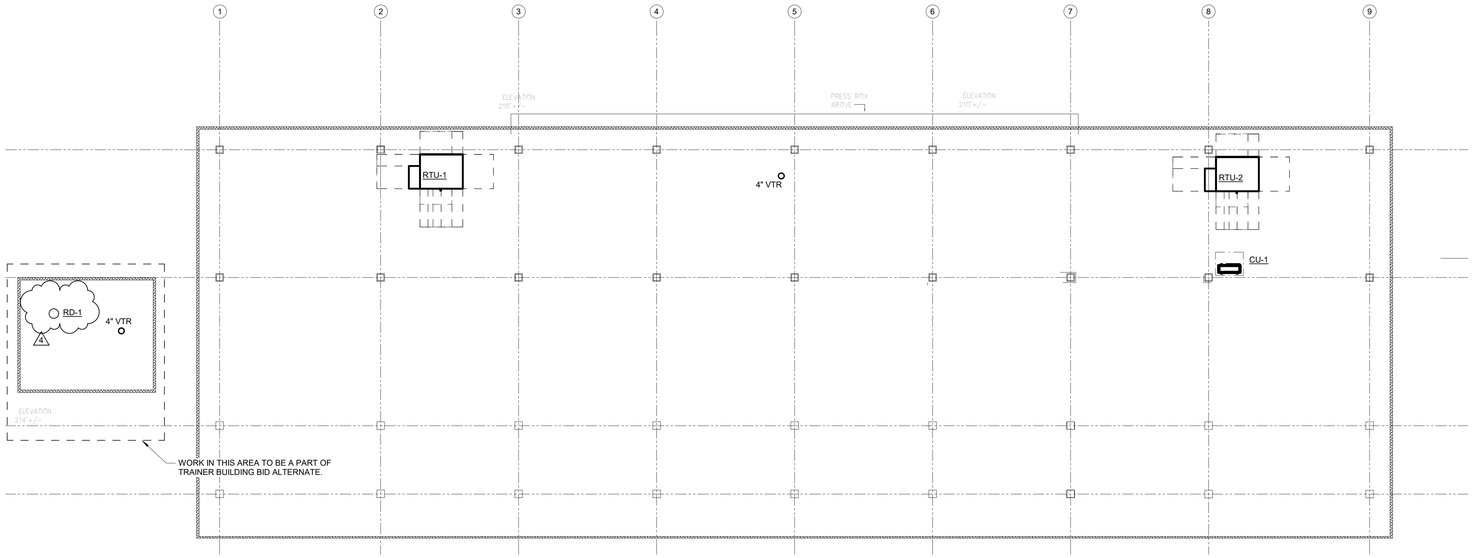
SHEET TITLE

PLUMBING PLAN - HOME SIDE PAVILION

SHEET #

P-301

SCALE	AS NOTED
DATE	11-16-2026



PLUMBING PLAN - HOME SIDE UNDER BLEACHERS ROOF PLAN

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

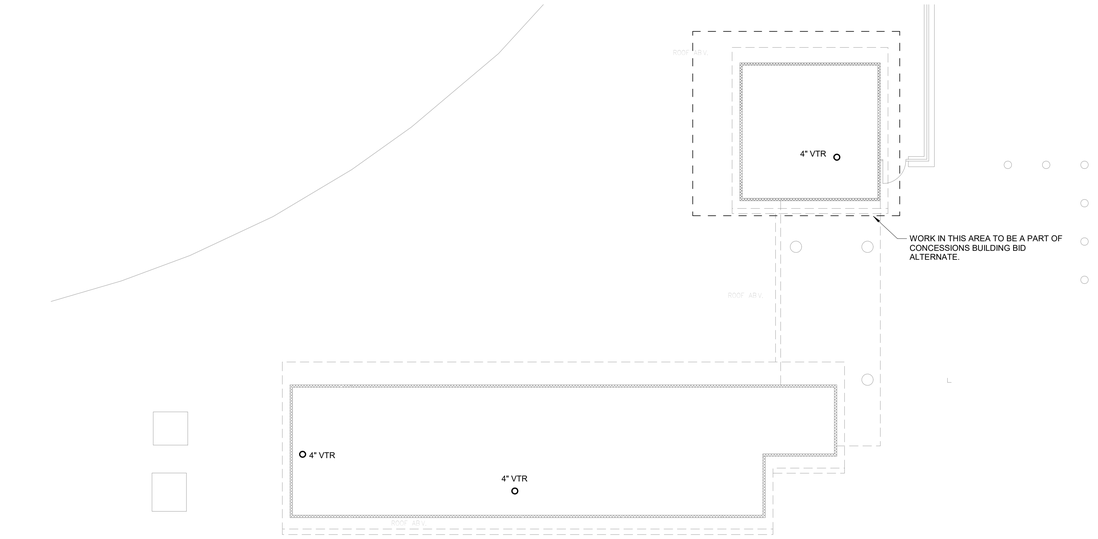
0 2' 4' 8' 16' 24' 32'



PLUMBING PLAN - HOME SIDE CONCESSIONS AND RESTROOM BUILDING ROOF PLAN

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

0 2' 4' 8' 16' 24' 32'



PLUMBING PLAN - VISITING SIDE CONCESSIONS AND RESTROOM BUILDING ROOF PLAN

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

0 2' 4' 8' 16' 24' 32'

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REVIEWED BY	CMR
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SHEET TITLE

PLUMBING PLAN - ROOF PLAN

SHEET #

P-303

SCALE	AS NOTED
DATE	11-16-2026

DRAWING SIZE: 30 X 42

GENERAL:

1. CONFLICTS: NOTES AND DETAILS ON THE DRAWINGS TAKE PRECEDENCE OVER THE GENERAL NOTES AND TYPICAL DETAILS IN CASE OF CONFLICT.
2. SIMILAR WORK: WHERE CONSTRUCTION DETAILS ARE NOT SHOWN OR NOTED FOR ANY PART OF THE WORK, SUCH DETAILS SHALL BE THE SAME AS FOR SIMILAR WORK SHOWN ON THE DRAWINGS.
3. ALL DIMENSIONS PERTAINING TO GRANDSTAND AND SITE CONDITIONS/OBJECTS TO BE FIELD VERIFIED OR LOCATED PRIOR TO FABRICATION.
4. AS SPECIFIED AND ILLUSTRATED, ALL ALUMINUM FOOTBOARDS AND WALKING SURFACES ARE MILL FINISH (UNLESS NOTED OTHERWISE). MILL FINISH ALUMINUM, WHEN EXPOSED TO THE ATMOSPHERE, FORMS A TRANSPARENT PROTECTIVE OXIDE COATING. MILL FINISH ALUMINUM WILL STAIN WHEN MOISTURE IS TRAPPED AGAINST IT. THIS MOISTURE ENTRAPMENT CAN OCCUR AT SEVERAL STAGES OF MATERIAL DELIVERY, INCLUDING PACKAGING, SHIPPING AND STORAGE. THESE STAINS CAN BE ERRATIC AND VARY IN COLOR FROM LIGHT BRONZE TO BLACK TO CHALKY WHITE. MOISTURE STAINS HAVE NO EFFECT ON THE STRENGTH OF THE MATERIAL. THESE STAINS BECOME LESS NOTICEABLE DURING NORMAL USAGE AND EXPOSURE TO THE SUN'S RADIATION.
5. SOUTHERN BLEACHER FOUNDATIONS AND STRUCTURE ADEQUATELY GROUND THE STRUCTURE. NO ADDITIONAL GROUNDING IS REQUIRED.
6. SOUTHERN BLEACHER COMPANY AS A MANUFACTURER AND INSTALLER OF GRANDSTAND SEATING IS NOT AUTHORIZED TO CERTIFY PLANS AS ADA COMPLIANT. HOWEVER, TO THE BEST OF OUR KNOWLEDGE THESE PLANS MEET OR EXCEED ADA REQUIREMENTS FOR QUANTITY OF ADA SEATING, ACCESS/EGRESS TO ADA SEATING & DISPERSAL OF ADA SEATING.

DESIGN LOADS - 1CC 300

1. DEAD LOADS:
   BLEACHERS (INCLUDES GIRDERS) ..... 10 PSF
2. LIVE LOADS:
   SEATS ..... 120 PLF
   TREADS ..... 100 PLF
   SWAY (PERPENDICULAR TO SEAT) ..... 10 PLF
   SWAY (PARALLEL TO SEAT) ..... 24 PLF
   GUARDRAILS AND HANDRAILS* ..... 50 PLF
   * OR A 200 POUND CONCENTRATED LOAD APPLIED TO RAIL AT ANY POINT IN ANY DIRECTION.

2021 INTERNATIONAL BUILDING CODE
GROUND SNOW LOAD= 30 PSF
WIND LOADS
RISK CATEGORY= III
WIND EXPOSURE= C
BASIC WIND SPEED=117 MPH
SEISMIC DESIGN DATA
SEISMIC DESIGN CATEGORY= B
SITE CLASS= D
SS= 0.18
S1= 0.048
SMS=0.287
SM1= 0.114
SDS=0.192
SD1=0.076

STRUCTURAL STEEL:

1. CODE: AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS
2. MATERIALS:
   WIDE FLANGE ..... ASTM A992/A572, Fy = 50 ksi (Gr. 50) U.N.O.
   CHANNELS AND ANGLES ..... ASTM A36/A36M/A529, Fy = 50 ksi (Gr 50)
   SWAYRODS ..... ASTM A36/A36M/A529, Fy = 50 ksi (Gr 50)
   HSS SHAPES (TUBE COLUMNS) ..... ASTM A-500 GRADE B - 46 KSI
   PLATES ..... ASTM A36/A36M/A529/A572, Fy=50 ksi (Gr 50)
   BOLTS - LESS THAN 1/2" DIA. ..... ASTM A-307, TYPICAL U.N.O (HOT DIP GALVANIZED) W/ STANDARD HEX NUT (HOT DIP GALVANIZED)
   BOLTS - GREATER THAN 1/2" DIA. ..... ASTM A-325, TYPICAL U.N.O (HOT DIP GALVANIZED) W/ HEAVY HEX NUT (HOT DIP GALVANIZED)
   ANCHOR BOLTS ..... ASTM F1554 (GR55) (SEE ITEM DESCRIPTION, GALVANIZED - U.N.O.)
3. WELDING: ALL WELDING SHALL BE IN CONFORMANCE WITH AWS D1.1. WELDS ARE ALL AROUND (U.N.O.) WITH TYPE ER70S-6 WIRE MIG U.N.O.
4. ALL STEEL SHALL BE HOT DIP GALVANIZED TO CURRENT A.S.T.M. A-123.
5. ALL FIELD CONNECTIONS ARE NON-SLIP CRITICAL & DESIGNED TO UTILIZE A307 BOLTS. U.N.O. A325N BOLTS MAY BE SUPPLIED IN LEIU OF A307 BOLTS. BOLTS ARE TO BE TIGHTENED TO SNUG TIGHT CONDITION AS SPECIFIED BY AISC. NO TESTING OF A325N BOLTS IS REQUIRED.
6. SWAYROD THREADS SHALL BE PINGED WITH A HAMMER TO ELIMINATE REMOVAL OF NUT, AFTER FINAL TIGHTENING.

ALUMINUM:

1. MATERIALS: ALUMINUM
   SHAPES ..... ALLOY 6061-T6 OR 6005-T5 (Fy = 35 KSI)
   PLANKING ..... ALLOY 6063-T6 (Fy = 25 KSI)
2. DISSIMILAR MATERIALS:
   WHERE ALUMINUM SURFACES ARE IN CONTACT WITH STEEL, THE STEEL SHALL BE GALVANIZED.
3. MILL FINISHED ALUMINUM WILL BECOME DISCOLORED DUE TO OXIDATION WHICH IS A NATURAL PHENOMENON & SHOULD BE EXPECTED. SEE GENERAL NOTES ABOVE.
4. ANODIZED ALUMINUM HANDRAIL IS 1 1/4" PIPE SIZE.
5. WELDING:
   ALL WELDING SHALL BE IN CONFORMANCE WITH AWS D1.2. WELDS ARE ALL AROUND (U.N.O) WITH TYPE S356 WIRE MIG. U.N.O.

POTTSGROVE SCHOOL DISTRICT
ATHLETIC IMPROVEMENTS
POTTSTOWN, PENNSYLVANIA

SHEET DESCRIPTION:	***SHEET NUMBER:***
SECTION VIEWS	1
SECTION VIEW AT FRONT EXIT STEPS	2
SIDE VIEW AT WEST ELEVATION END CONDITION	2A
SECTION VIEW AT REAR CROSSWALK AND PRESS BOX	3
SECTION VIEW AT PRESS BOX	4
SIGHT LINES	5
SEATING & SEAT BRACKET LAYOUT	6
EXIT DETAILS	7
FOOTING & UNDERSTRUCTURE LAYOUT	8
FOOTING DETAILS	9
ELEVATION VIEWS	10
PRESS BOX DETAILS	11
PRESS BOX DETAILS (CONT'D)	12
CLOSED DECK DETAILS	13

#26185 - POTTSTOWN, PENNSYLVANIA

Southern® BLEACHER COMPANY
GRANDSTANDS ▪ BLEACHERS ▪ STADIUMS

PO Box One, Graham, Texas 76450
801 Fifth Street.
Phone: 940/549-0733 Fax: 940/549-1365

Established 1946

OWNER/REPRESENTATIVE/ARCHITECTURAL REVIEW

PLEASE REVIEW THE DRAWINGS FOR COMPLIANCE WITH YOUR ORDER. PLEASE INDICATE ANY CHANGES OR COMMENTS ON THE DRAWINGS.

☐ APPROVED
☐ APPROVED AS NOTED
☐ REVISE AND RE-SUBMIT

SIGNATURE
TITLE
DATE

AWS CWF CERTIFIED WELDING FABRICATOR®

AISC CERTIFIED FABRICATOR

ENGINEER STAMP

1 REVISION 1 - 11/9/26 - O.A.L. DECREASED 6", CROSSWALK EXTENDED 8", BLACK VINYL CLF AND FACADE ADDED, RAIL RISER EXTENSION TO BACK OF STAND FOR CHAIN LINK FACADE, SHOW CHAIN LINK FACADE WITH GATE, REVISE GRADES, REVISE FOOTING LOCATIONS, REVISE PB ROOF--DWI

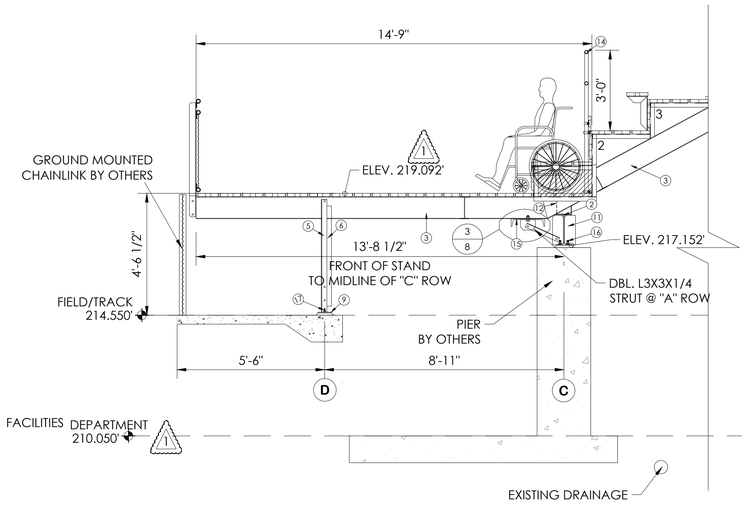
GENERAL INFORMATION

		RISE	TREAD	ROWS	LENGTH	F.W.E.	SEAT COUNT
HOME	HB	14"	26"	16	152'-6" 1	54.5"	1274 1

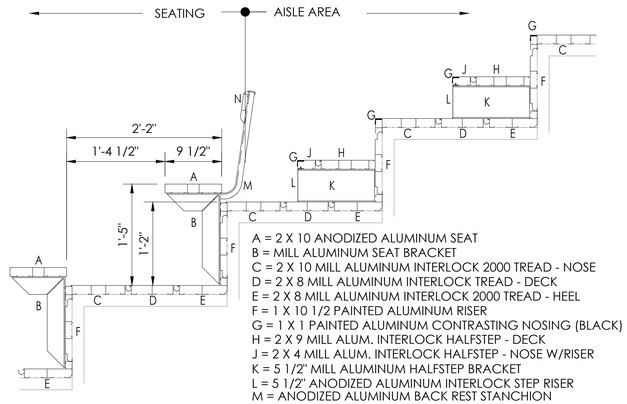
DATE: 7/31/26
JOB # 26185
POTTSGROVE SCHOOL DISTRICT
ATHLETIC IMPROVEMENTS
POTTSTOWN, PENNSYLVANIA

REF:

1. W 14 X 38(50 ksi)
2. W 14 X 30 (50 ksi)
3. W 10 X 12 (50 ksi)
4. W 6 X 15 (50 ksi)
5. L 3 X 3 X 1/4 (50 ksi)
6. L 2 X 2 X 3/16 (50 ksi)
7. 21 X 21 X 3/4 PLATE
8. 6 X 8 X 3/8 PLATE
9. 6 X 6 X 3/8 PLATE
10. 9 GAUGE GALV. STEEL CHAINLINK FENCE
11. 5 X 3/8 GUSSET PLATE (A36)
12. 2 X 1/4 GUSSET PLATE (A36)
13. 3/4 X REQ'D LENGTH SWAY ROD (50 ksi)
14. ANODIZED ALUMINUM RAIL (SEE NOTES)
15. C15X33.9
16. 3/4 X 18 ANCHOR BOLT W/2 HEX HEAD NUTS & FLAT WASHER
17. 1/2" X 4 3/4" ALL THREADED ROD W/HILTI HY 200 V3 ADHESIVE OR EQUIVALENT (MIN. EMBEDMENT = 3")

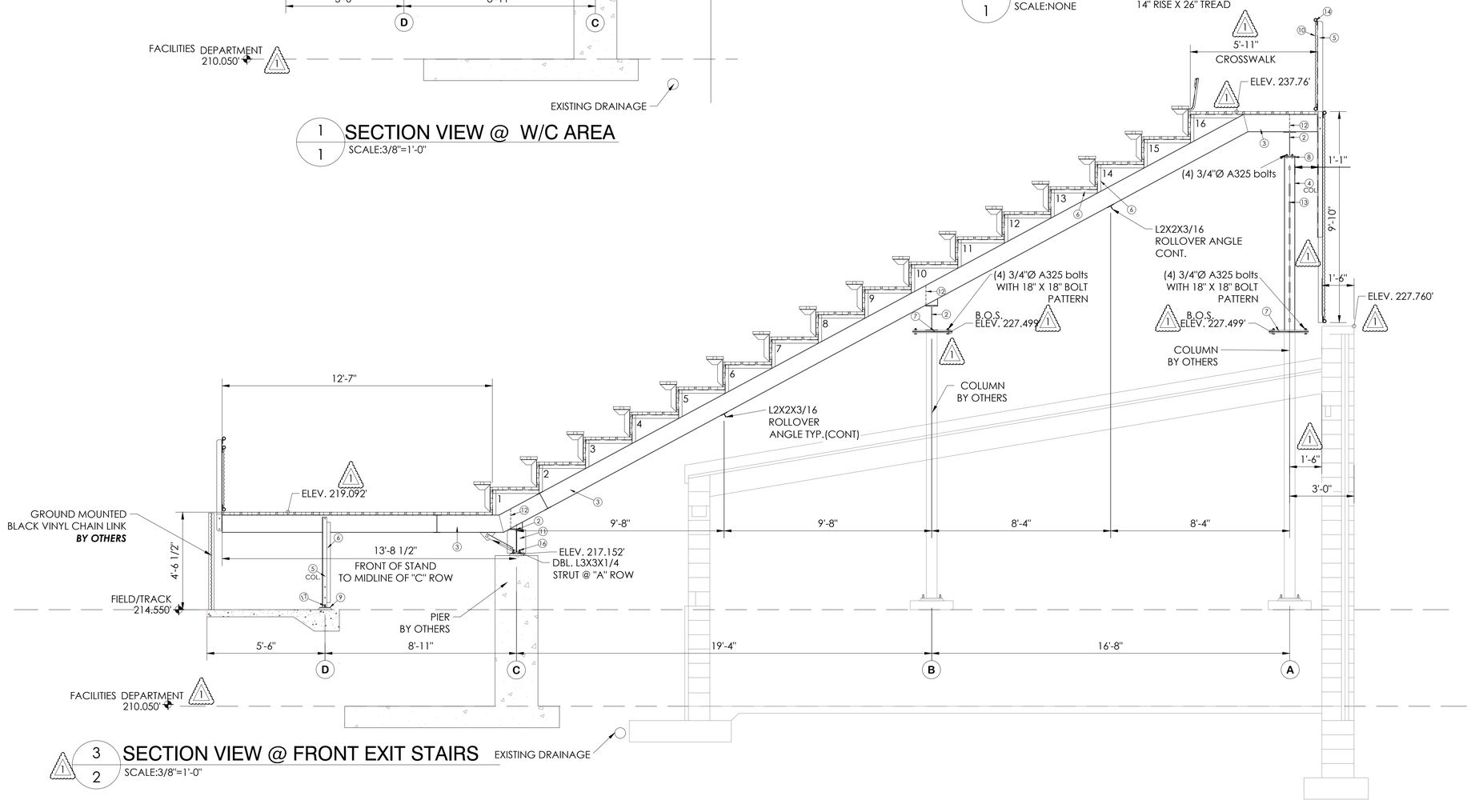


1/1 SECTION VIEW @ W/C AREA
SCALE:3/8"=1'-0"



A = 2 X 10 ANODIZED ALUMINUM SEAT
B = MILL ALUMINUM SEAT BRACKET
C = 2 X 10 MILL ALUMINUM INTERLOCK 2000 TREAD - NOSE
D = 2 X 8 MILL ALUMINUM INTERLOCK TREAD - DECK
E = 2 X 8 MILL ALUMINUM INTERLOCK 2000 TREAD - HEEL
F = 1 X 10 1/2 PAINTED ALUMINUM RISER
G = 1 X 1 PAINTED ALUMINUM CONTRASTING NOSING (BLACK)
H = 2 X 9 MILL ALUM. INTERLOCK HALFSTEP - DECK
J = 2 X 4 MILL ALUM. INTERLOCK HALFSTEP - NOSE W/RISER
K = 5 1/2" MILL ALUMINUM HALFSTEP BRACKET
L = 5 1/2" ANODIZED ALUMINUM INTERLOCK STEP RISER
M = ANODIZED ALUMINUM BACK REST STANCHION
N= 2X6 ANODIZED BACK REST

2/1 PLANK ARRANGEMENT
SCALE:NONE 14" RISE X 26" TREAD



3/2 SECTION VIEW @ FRONT EXIT STAIRS
SCALE:3/8"=1'-0"

Structural ENGINUITY
1815 W. DIEHL RD., SUITE 100,
NAPERVILLE, IL 60563
(630) 219-1997

DETAIL NUMBER / SHEET NUMBER

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801 Fifth Street
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Established 1946

TYPE: SECTION VIEWS
14" RISE X 26" TREAD / 153'-0" (16 ROWS)

TITLE: POTTSGROVE SCHOOL DISTRICT
ATHLETIC IMPROVEMENTS
POTTSTOWN, PENNSYLVANIA

REV/ BY	DATE	DESCRIPTION
DMI	1/9/26	MULTIPLE CHANGES, SEE COVER

DATE: 7/31/26 | DRAWN: DMI | CHECKED: TF

JOB NUMBER: #26185

SHEET: 1

22" X 34" (11x17 = 1/2 indicated scale)

26185

1. W 14 X 38(50 ksi)
2. W 14 X 30 (50 ksi)
3. W 10 X 12 (50 ksi)
4. W 6 X 15 (50 ksi)
5. L 3 X 3 X 1/4 (50 ksi)
6. L 2 X 2 X 3/16 (50 ksi)
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10. 9 GAUGE GALV. STEEL CHAINLINK FENCE
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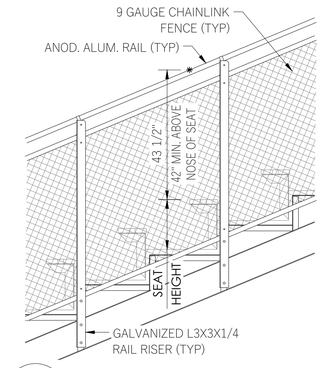
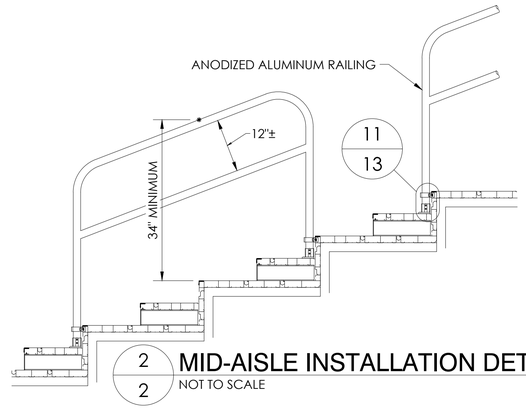
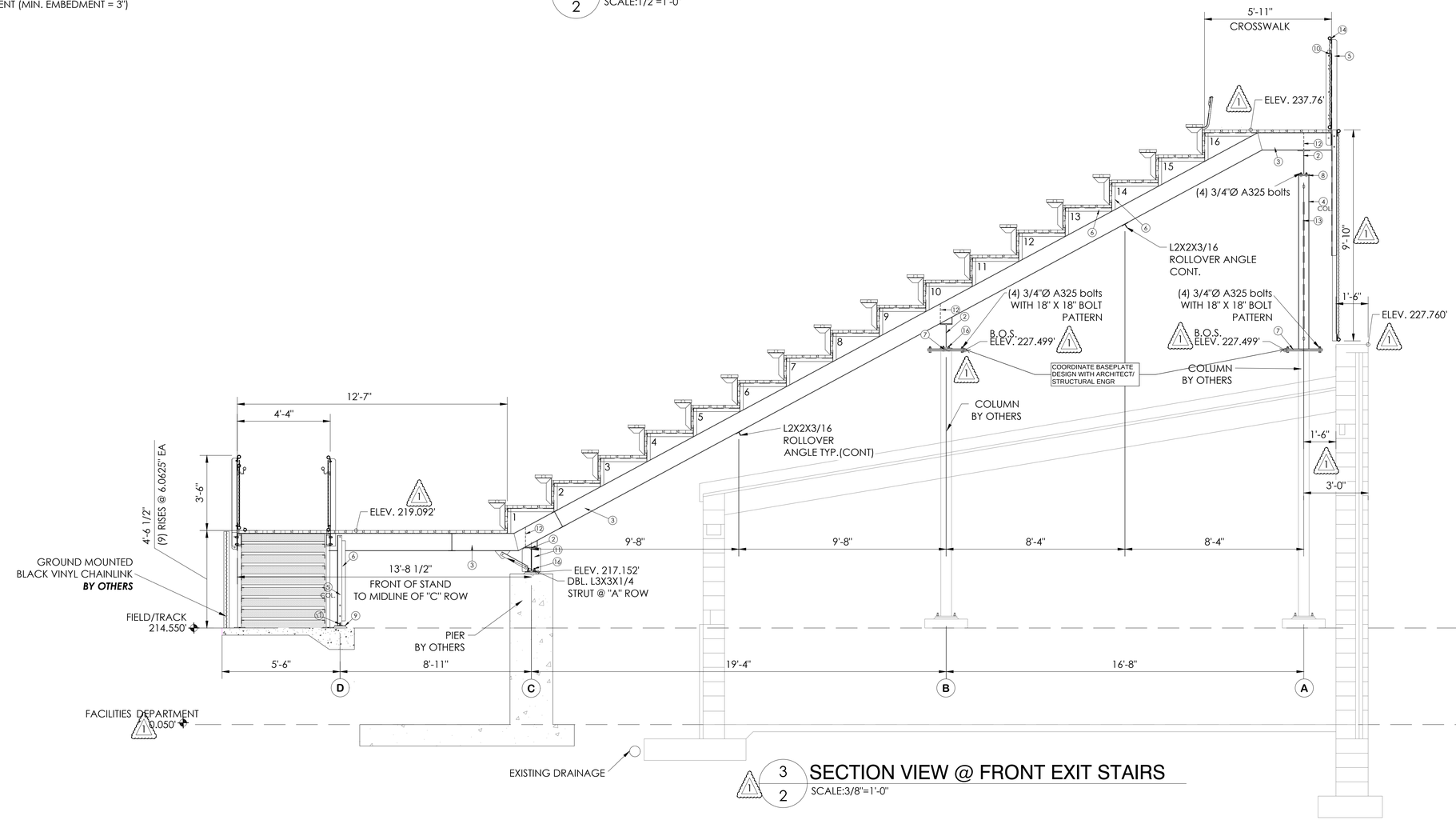
17. 1/2" X 4 3/4" ALL THREADED ROD W/HILTI HY 200 V3 ADHESIVE OR EQUIVALENT (MIN. EMBEDMENT = 3")



1/2 TYPICAL SIDE RAILING
SCALE:1/2"=1'-0"



2/2 MID-AISLE INSTALLATION DETAIL
NOT TO SCALE



3/2 SECTION VIEW @ FRONT EXIT STAIRS
SCALE:3/8"=1'-0"

DETAIL NUMBER / SHEET NUMBER

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801 Fifth Street Fax: 940/549-1365
Established 1946

TYPE: SECTION VIEW AT FRONT EXIT STEPS
14" RISE X 26" TREAD / 153'-0" (16 ROWS)

TITLE: POTTSGROVE SCHOOL DISTRICT
ATHLETIC IMPROVEMENTS
POTTSTOWN, PENNSYLVANIA

REV	BY	DATE	DESCRIPTION
A	DMI	1/9/26	MULTIPLE CHANGES, SEE COVER

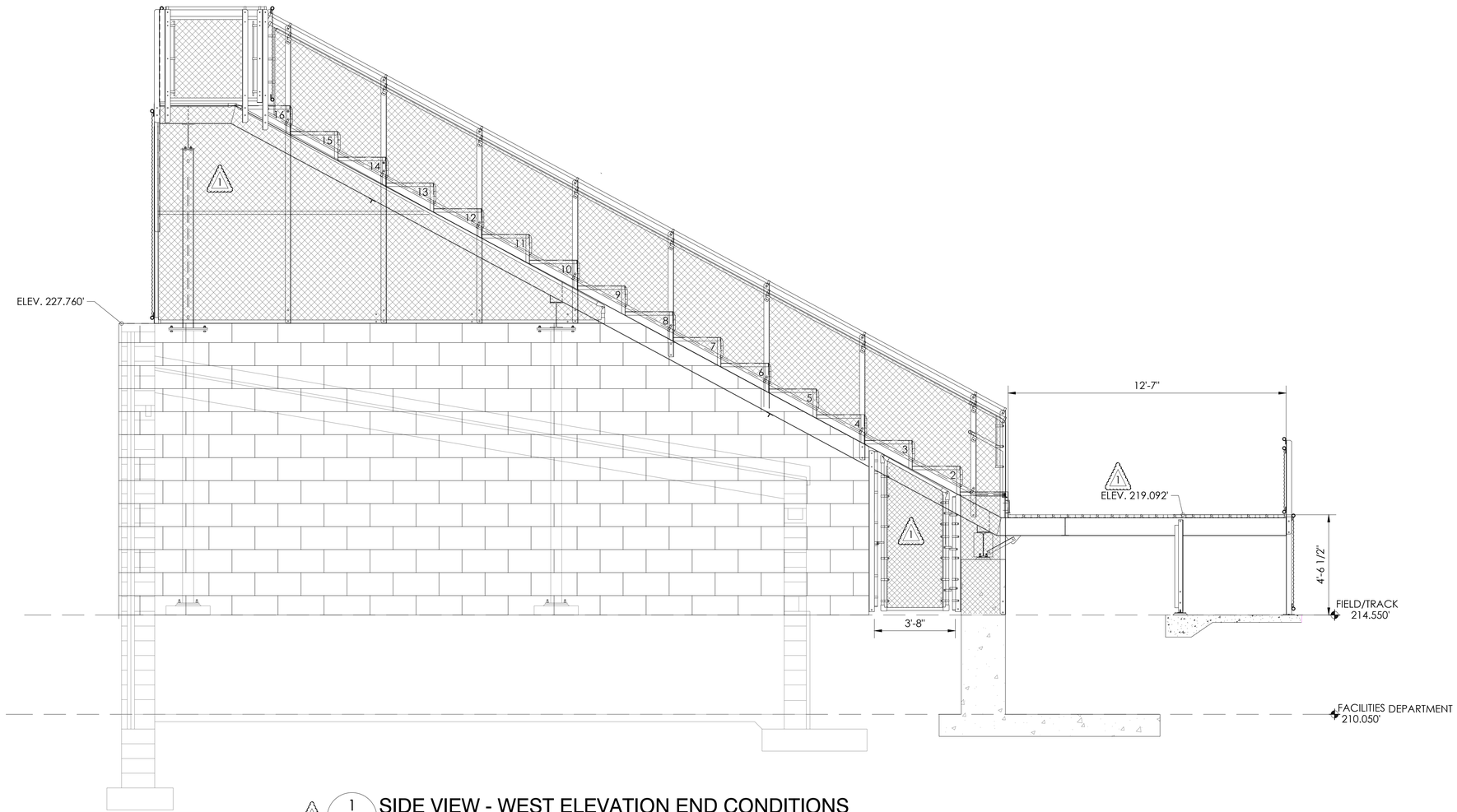
DATE 7/31/26 | DRAWN DMI | CHECKED TF

JOB NUMBER #26185

SHEET 2

22" X 34" (11x17 = 1/2 Indicated scale)

26185



1 / 2A SIDE VIEW - WEST ELEVATION END CONDITIONS

SCALE:3/8"=1'-0"

DETAIL NUMBER / SHEET NUMBER

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TYPE: SECTION VIEW AT FRONT EXIT STEPS
14" RISE X 26" TREAD / 153'-0" (16 ROWS)

TITLE: POTTSGROVE SCHOOL DISTRICT
ATHLETIC IMPROVEMENTS
POTTSTOWN, PENNSYLVANIA

REV	BY	DATE	DESCRIPTION
1	DMI	11/9/26	MULTIPLE CHANGES, SEE COVER

DATE: 7/31/26 | DRAWN: DMI | CHECKED: TF

JOB NUMBER: #26185

SHEET: 2A

22" X 34" (1 1x17 = 1/2 indicated scale)

26185

1. W 14 X 38(50 ksi)
2. W 14 X 30 (50 ksi)
3. W 10 X 12 (50 ksi)
4. W 6 X 15 (50 ksi)
5. L 3 X 3 X 1/4 (50 ksi)
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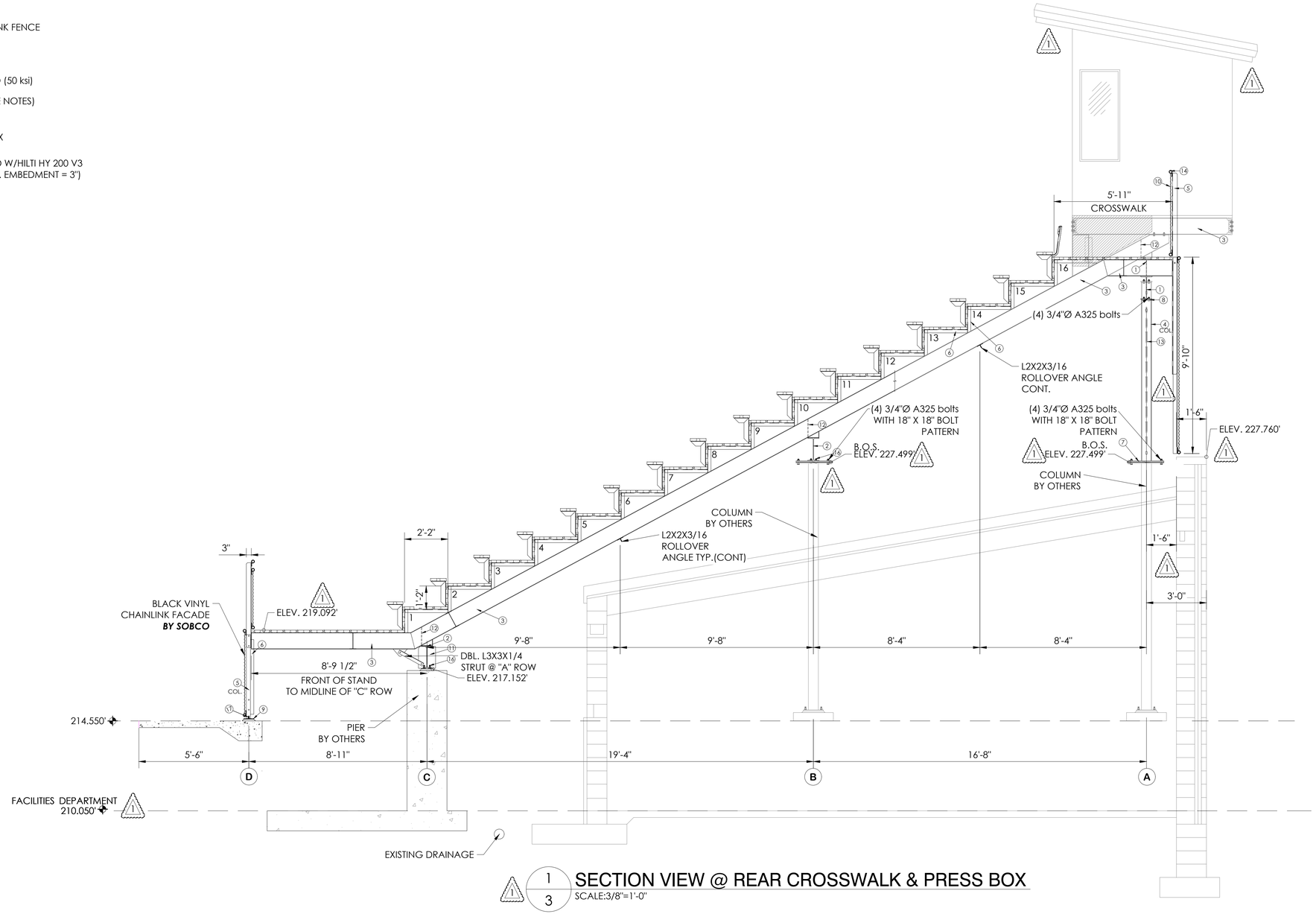

1/3 SECTION VIEW @ REAR CROSSWALK & PRESS BOX
SCALE:3/8"=1'-0"

DETAIL NUMBER
SHEET NUMBER

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801 Fifth Street
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Established 1946

TYPE: SECTION VIEW @ CROSSWALK AND PB
14" RISE X 26" TREAD / 153'-0" (16 ROWS)

TITLE: POTTSGROVE SCHOOL DISTRICT
ATHLETIC IMPROVEMENTS
POTTSTOWN, PENNSYLVANIA

REV	BY	DATE	DESCRIPTION
A	DMI	11/9/26	MULTIPLE CHANGES, SEE COVER

DATE: 7/31/26 | DRAWN: DMI | CHECKED: TF

JOB NUMBER: #26185

SHEET: 3

22" X 34" (1:1x17 = 1/2 indicated scale)

26185

1. W 14 X 38(50 ksi)
2. W 14 X 30 (50 ksi)
3. W 10 X 12 (50 ksi)
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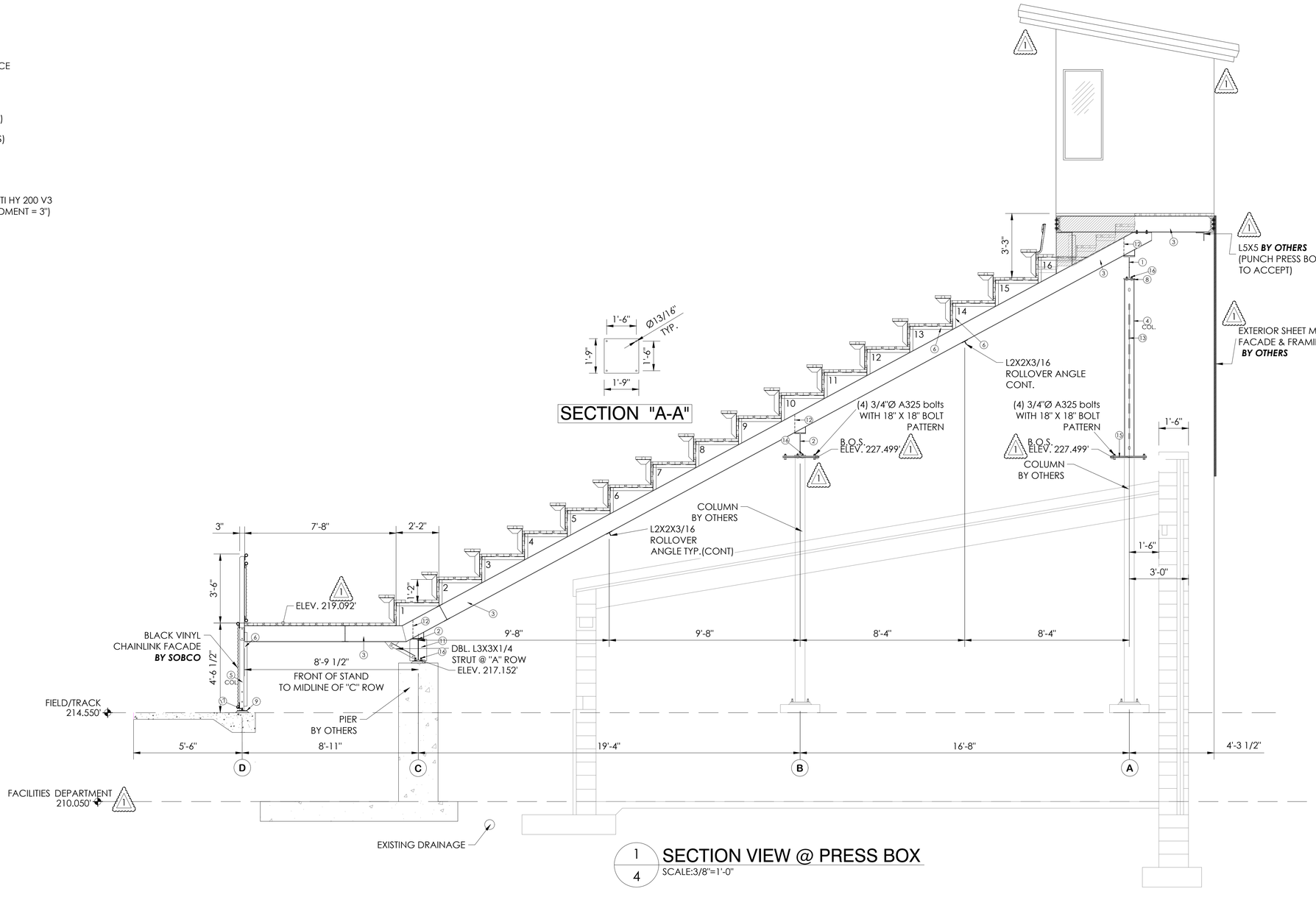

1/4 SECTION VIEW @ PRESS BOX
SCALE:3/8"=1'-0"

DETAIL NUMBER / SHEET NUMBER

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TYPE: SECTION VIEW @ PRESS BOX
14" RISE X 26" TREAD / 153'-0" (16 ROWS)

TITLE: POTTSGROVE SCHOOL DISTRICT
ATHLETIC IMPROVEMENTS
POTTSTOWN, PENNSYLVANIA

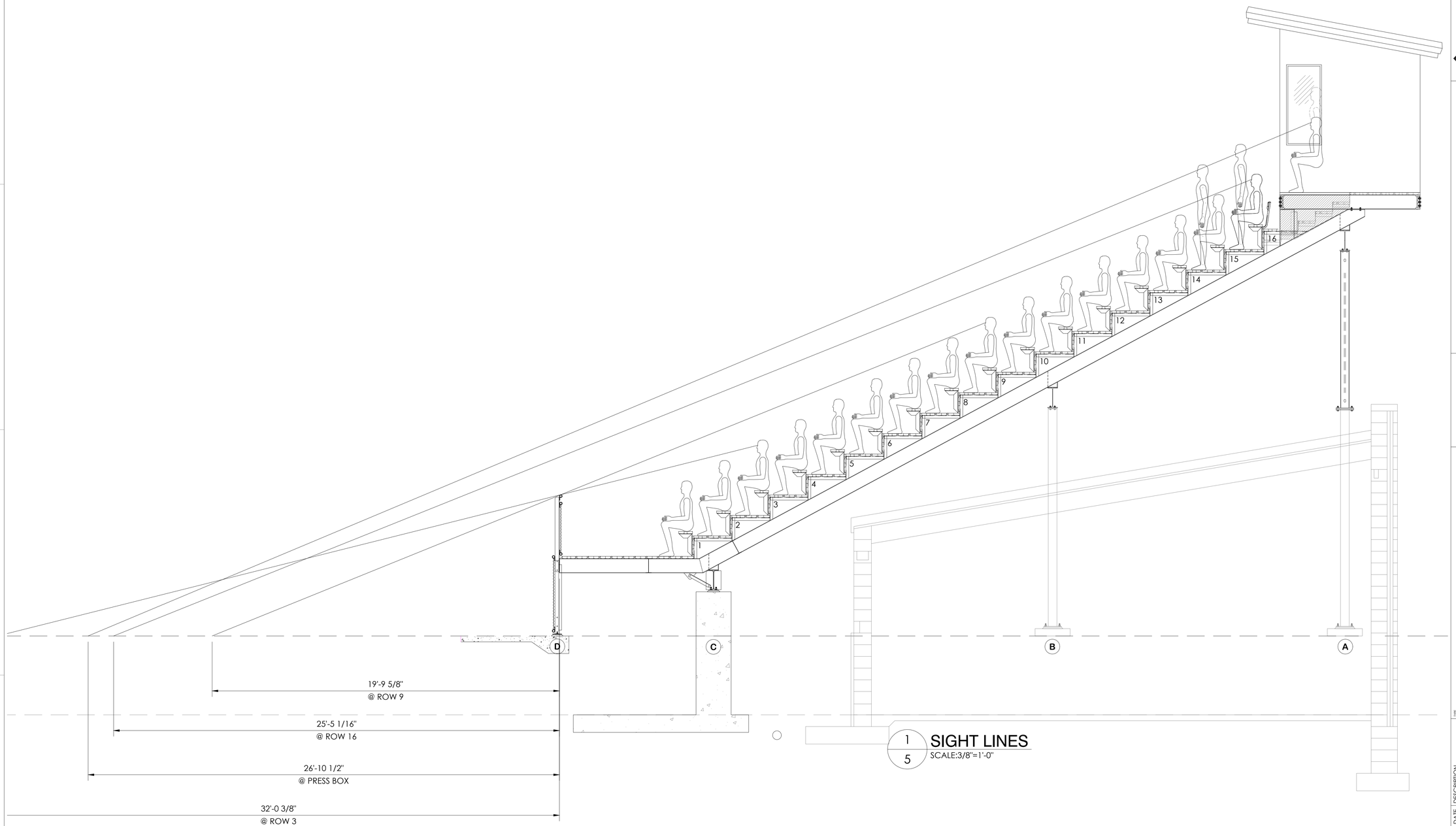
REV	BY	DATE	DESCRIPTION
			DMI 1/9/26 MULTIPLE CHANGES, SEE COVER

DATE 7/31/26 | DRAWN DMI | CHECKED TF

JOB NUMBER #26185

SHEET 4

22" X 34" (11x17 = 1/2 indicated scale)



1/5 SIGHT LINES
SCALE:3/8"=1'-0"

DETAIL NUMBER / SHEET NUMBER

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TYPE: SIGHT LINES
14" RISE X 26" TREAD / 153'-0" (16 ROWS)

TITLE: POTTSGROVE SCHOOL DISTRICT
ATHLETIC IMPROVEMENTS
POTTSTOWN, PENNSYLVANIA

REV	BY	DATE	DESCRIPTION
A	DMI	1/9/26	MULTIPLE CHANGES, SEE COVER

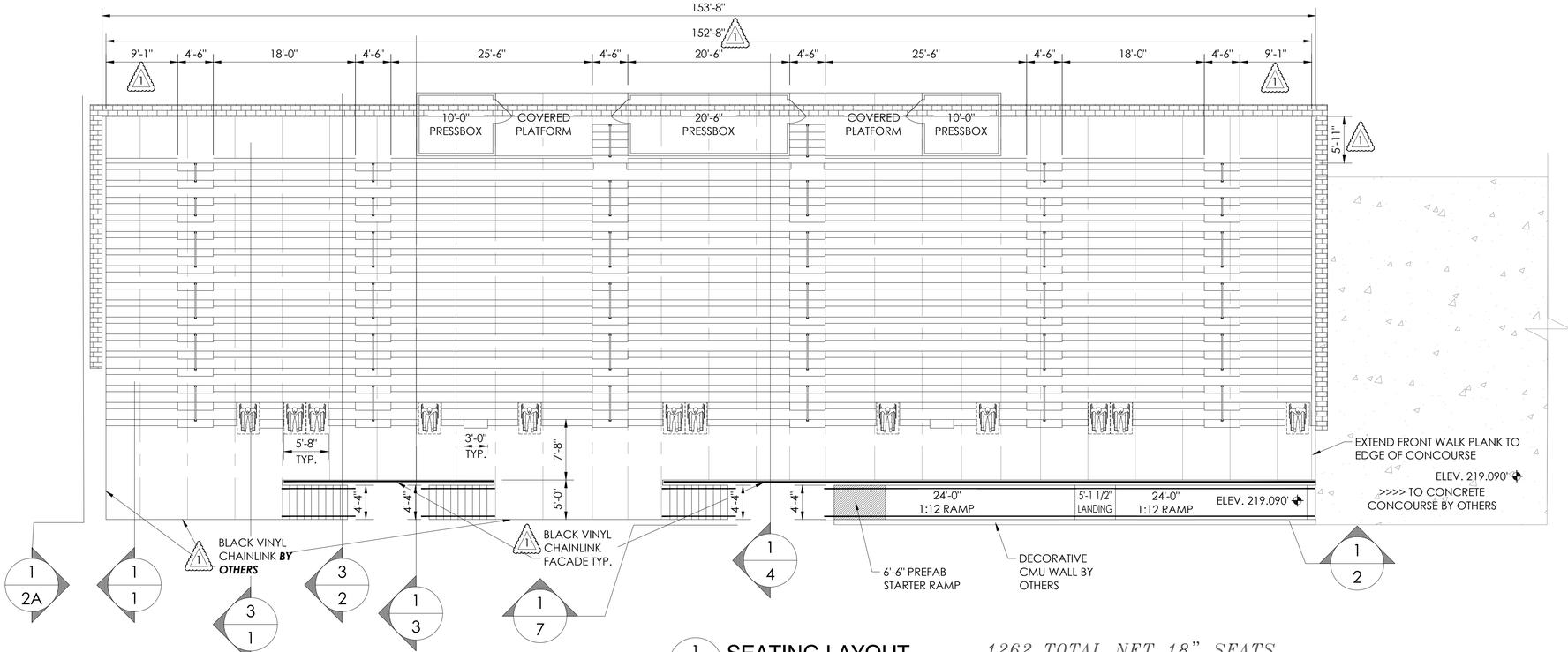
DATE 7/31/26 | DRAWN DMI | CHECKED TF

JOB NUMBER #26185

SHEET 5

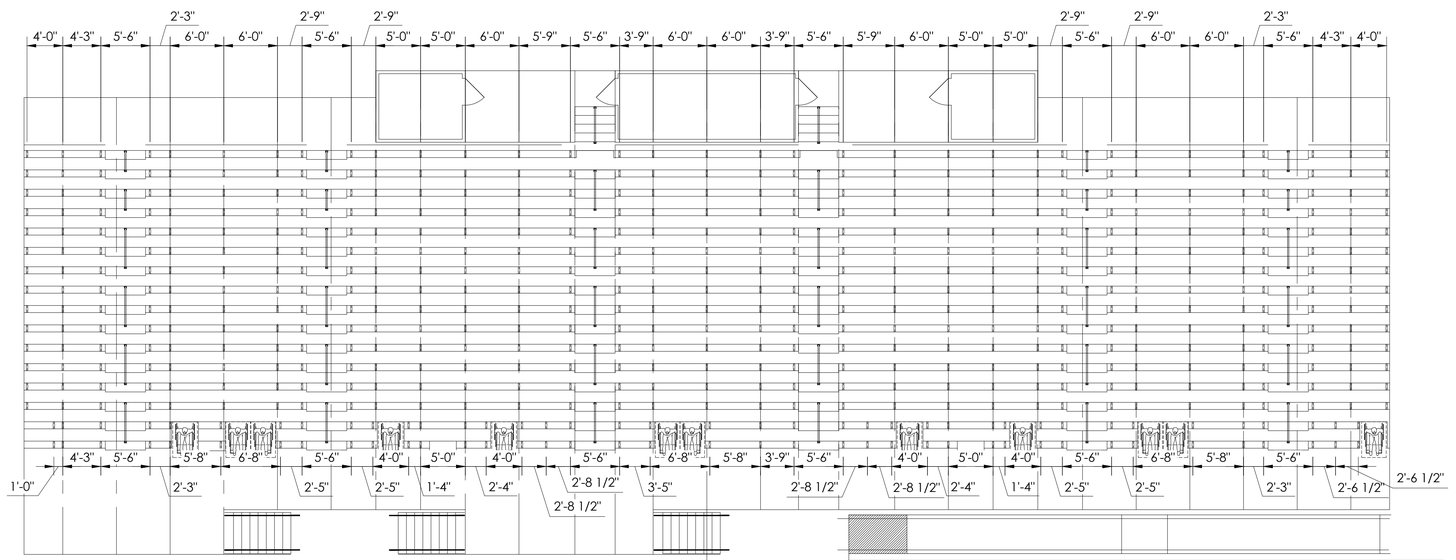
22" X 34" (1 1x17 = 1/2 indicated scale)

26185



1/6 **SEATING LAYOUT**
SCALE:1/8"=1'-0"

1262 TOTAL NET 18" SEATS
12 TOTAL NET 33" WHEELCHAIR SPACES
1274 TOTAL SEATING CAPACITY



2/6 **SEAT BRACKET LAYOUT**
SCALE:1/8"=1'-0"

540 TOTAL SEAT BRACKETS

DETAIL NUMBER / SHEET NUMBER

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Established 1946

TYPE: SEATING & SEAT BRACKET LAYOUT
TILE: 14" RISE X 26" TREAD / 153'-0" (16 ROWS)

POTTSGROVE SCHOOL DISTRICT
ATHLETIC IMPROVEMENTS
POTTSTOWN, PENNSYLVANIA

REV	DATE	DESCRIPTION
A	DMI	1/19/26 MULTIPLE CHANGES, SEE COVER

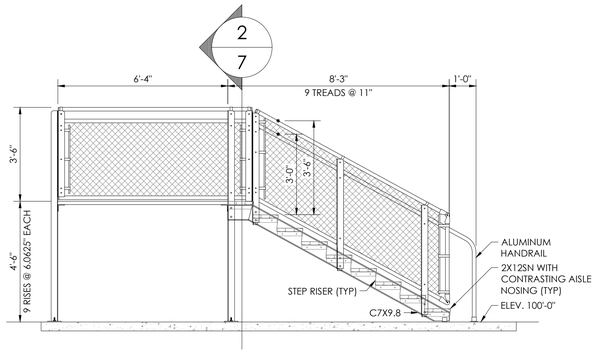
DATE 7/31/26 | DRAWN DMI | CHECKED TF

JOB NUMBER #26185

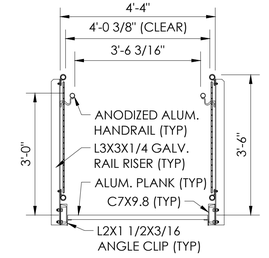
SHEET 6

22" X 34" (11x17 = 1/2 indicated scale)

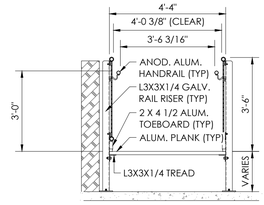
26185



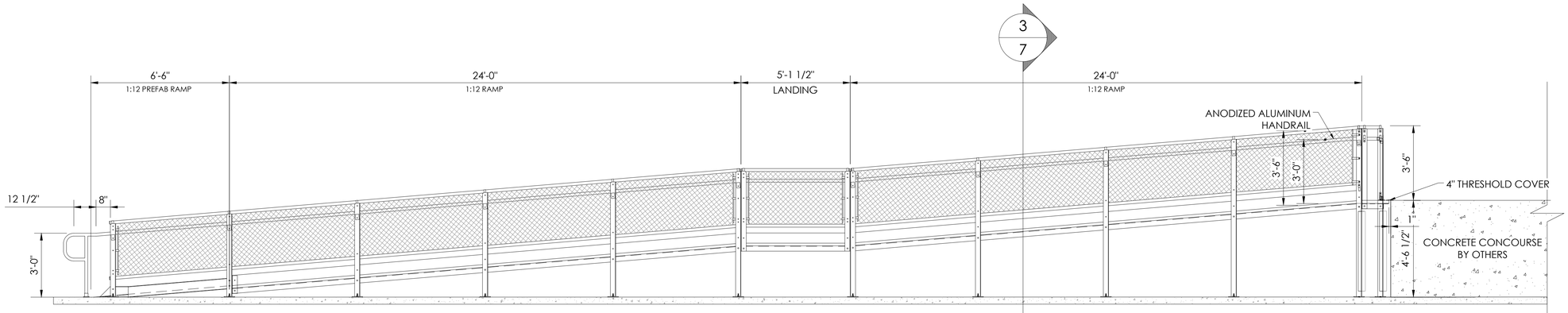
1/7 EXIT STEP DETAIL
SCALE:3/8"=1'-0"



2/7 EXIT STEP SECTION
SCALE:3/8"=1'-0"



3/7 RAMP SECTION
SCALE:3/8"=1'-0"



4/7 RAMP DETAILS
SCALE:3/8"=1'-0"

1/7 DETAIL NUMBER / SHEET NUMBER

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Established 1946

TYPE: EXIT DETAILS
14" RISE X 26" TREAD / 153'-0" (16 ROWS)
TITLE: POTTSGROVE SCHOOL DISTRICT
ATHLETIC IMPROVEMENTS
POTTSTOWN, PENNSYLVANIA

REV	BY	DATE	DESCRIPTION
A	DMI	1/19/26	MULTIPLE CHANGES, SEE COVER

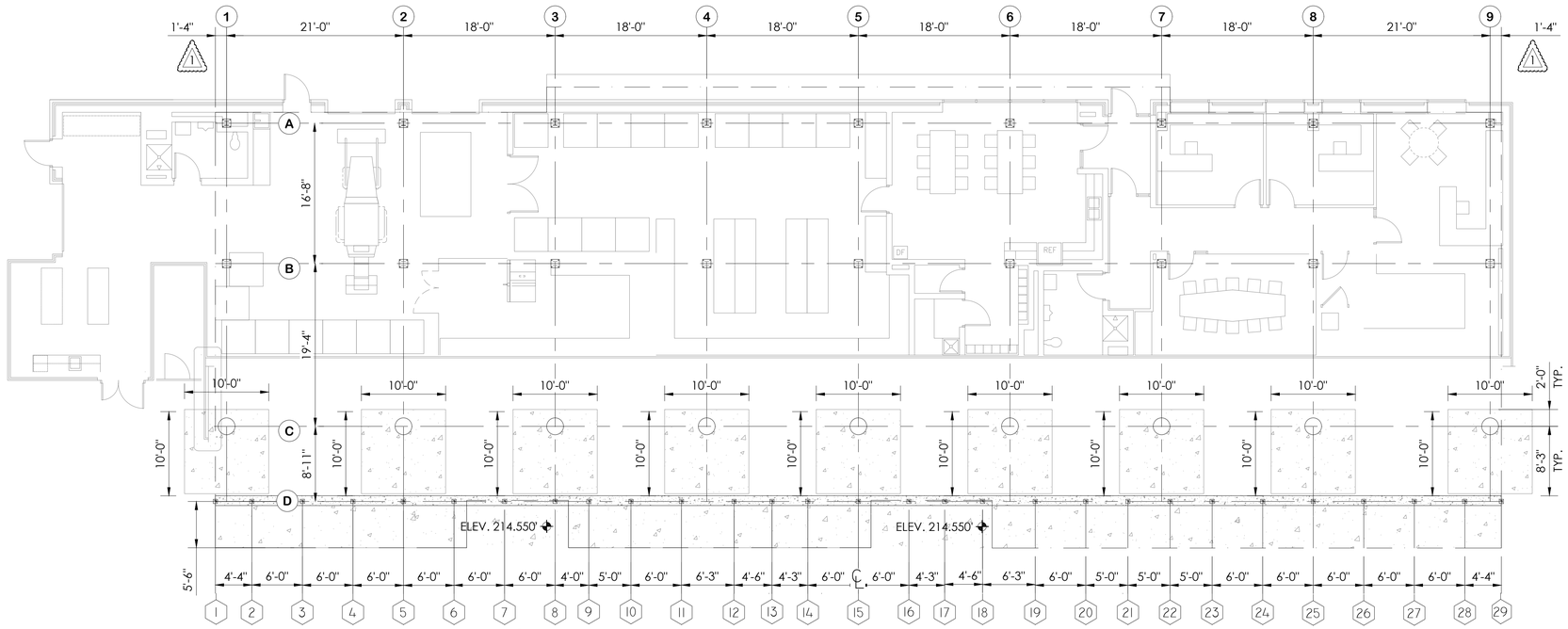
DATE 7/31/26 | DRAWN DMI | CHECKED TF

JOB NUMBER #26185

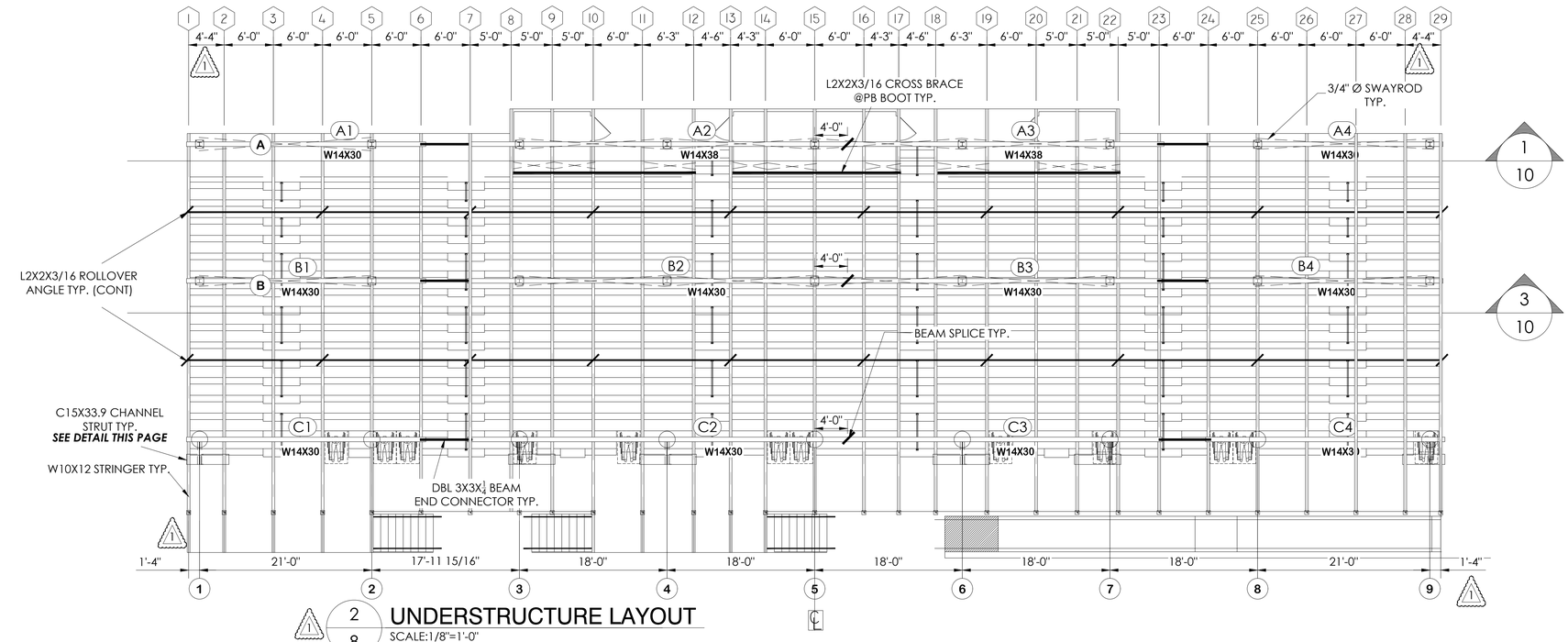
SHEET 7

22" X 34" (1:1 x 17" = 1/2 indicated scale)

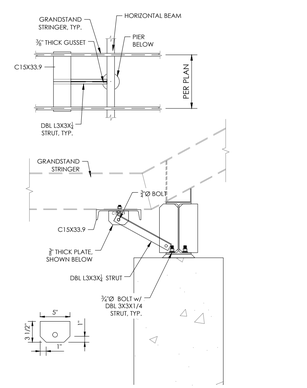
26185



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



2/8 UNDERSTRUCTURE LAYOUT
SCALE:1/8"=1'-0"



3/8 CHANNEL DETAIL
NOT TO SCALE

Structural ENGINUITY
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Southern BLEACHER COMPANY
PO Box One, Graham, Texas 76450 801 Fifth Street
Phone: 940/549-0733 Fax: 940/549-1365
Established 1946
GRANDSTANDS •BLEACHERS •STADIUMS

1 DETAIL NUMBER
1 SHEET NUMBER

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TYPE: FOOTING & UNDERSTRUCTURE LAYOUTS
TITLE: 14" RISE X 26" TREAD / 153'-0" (16 ROWS)

POTTSGROVE SCHOOL DISTRICT
ATHLETIC IMPROVEMENTS
POTTSTOWN, PENNSYLVANIA

REV BY	DATE	DESCRIPTION
A	DMI	11/9/26 MULTIPLE CHANGES, SEE COVER

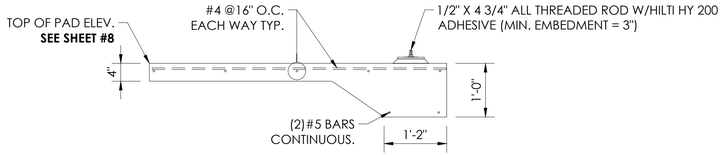
DATE 7/31/26 | DRAWN DMI | CHECKED TF

JOB NUMBER #26185

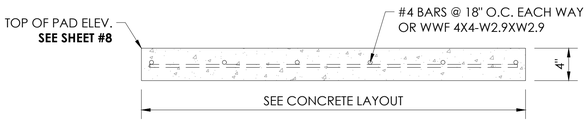
SHEET 8

22" X 34" (1:1 x 17" = 1/2 indicated scale)

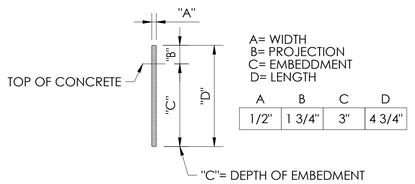
26185



1/9 CONCRETE SLAB @ "D" ROW DETAIL
SCALE:NONE

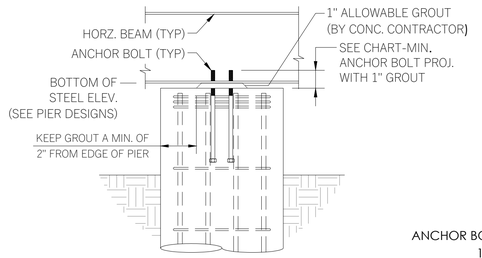


2/9 MINIMUM EXIT PAD DETAIL
SCALE:NONE

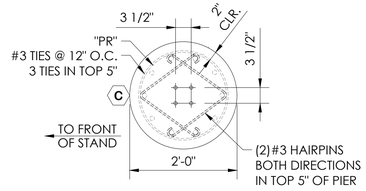


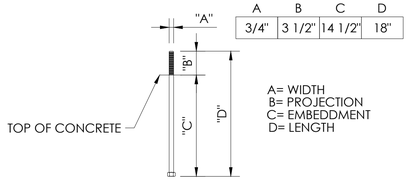
A	B	C	D
1/2"	1 3/4"	3"	4 3/4"

3/9 "D" ROW THREADED ROD DETAIL
NOT TO SCALE



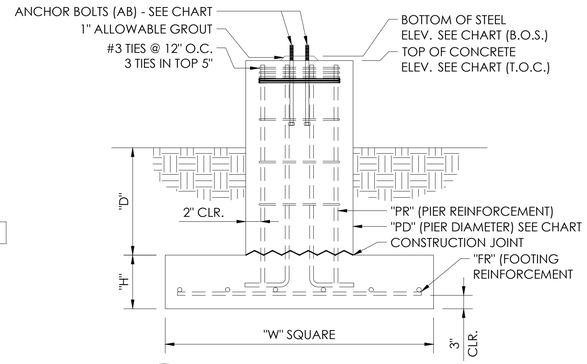
4/9 TOP OF PIER DETAIL
NOT TO SCALE





A	B	C	D
3/4"	3 1/2"	14 1/2"	18"

6/9 "C" ROW ANCHOR BOLT DETAIL
NOT TO SCALE



5/9 PIER DETAIL "C" ROW
SCALE:NONE

FOUNDATION NOTES

1. OWNER/OWNERS REP SHALL VERIFY ALL DIMENSIONS PRIOR TO START OF CONSTRUCTION.
2. REINFORCING STEEL SHALL BE ASTM GRADE 60.
3. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS.
4. ALLOWABLE SOIL BEARING CAPACITY = **2,000 PSF *ASSUMED***
5. MAXIMUM HORIZONTAL TOLERANCE OF ANCHOR BOLT PLACEMENT SHALL BE ±1/8".
6. ALL ANCHOR BOLTS SHALL HAVE A 3 1/2" PROJECTION (±1/8") ABOVE THE TOP OF PIER ELEVATION, UNLESS SPECIFICALLY NOTED OTHERWISE.
7. THE CONCRETE FOUNDATION CONTRACTOR IS RESPONSIBLE FOR NON SHRINK GROUTING.
8. THE ELEVATION AT THE TOP OF THE CONCRETE PIER IS DESIGNED TO BE 1" BELOW THE BOTTOM OF STEEL ELEVATION. THE TOLERANCE FOR THE BOTTOM OF STEEL ELEVATION IS ±1/8" . THE TOP OF CONCRETE ELEVATION MAY BE RAISED TO MATCH THE BOTTOM OF STEEL ELEVATION, AT THE CONCRETE CONTRACTORS DISCRETION. THE CONTRACTOR OF THE CONCRETE FOUNDATIONS IS RESPONSIBLE FOR ANY ADJUSTMENTS REQUIRED.
9. ALL UNDERGROUND UTILITIES ARE TO BE LOCATED AND MARKED DURING THE REVIEW PROCESS BY THE OWNERS REPRESENTATIVE PRIOR TO FOUNDATION EXCAVATION.

NOTE:

SOUTHERN BLEACHER FOUNDATIONS AND STRUCTURE ADEQUATELY GROUND THE STRUCTURE. NO ADDITIONAL GROUNDING REQUIRED.

FOOTING SCHEDULE

COLUMN ROW	B.O.S. ELEV.	T.O.C. ELEV.	"D" (DEPTH OF PAD)	"H" (THICKNESS OF PAD)	"W" (WIDTH OF PAD)	"FR" (FOOTING REINFORCEMENT)	"PR" (PIER REINFORCEMENT)	"PD" (PIER DIAMETER)	"AB" (ANCHOR BOLTS)
"C"	217.152'	217.068'	4'-6"	1'-6"	10'-0" SQUARE	(13)-#5 BOTH WAYS, TOP & BOTTOM	(10)-#6 VERT.	24"Ø	(4)-3/4" X 18" HEADED ANCHOR BOLTS

DESIGN LOADS @ EACH COLUMN LOCATION @ BASE PLATE U.N.O.

D =	↓	(DEAD LOAD)	(VERTICAL LOAD - DOWN ↓)
L=	↓	(LIVE LOAD)	(VERTICAL LOAD - DOWN ↓)
SL =	↓	(SNOW LOAD)	(VERTICAL LOAD - DOWN ↓)
H =	↔	(PERPENDICULAR WIND LOAD)	(HORIZONTAL WIND LOAD PERPENDICULAR TO BLEACHER - HORIZONTAL ↔)
W_V=	↕	(PERPENDICULAR WIND LOAD)	(VERTICAL WIND LOAD ↕)
S =	↔	(PERPENDICULAR SWAY LOAD)	(HORIZONTAL SWAY LOAD PERPENDICULAR TO BLEACHER - HORIZONTAL ↔)
S_H=	↔	(LONGITUDINAL SWAY LOAD)	(HORIZONTAL SWAY LOAD PARALLEL TO BLEACHER - HORIZONTAL ↔)
S_V=	↕	(LONGITUDINAL SWAY LOAD)	(VERTICAL LOAD - UP OR DOWN DUE TO SWAY PARALLEL TO BLEACHER ↕)
W_H=	↔	(PARALLEL WIND LOAD)	(HORIZONTAL WIND LOAD ↔)
W_{PV}=	↕	(PARALLEL WIND LOAD)	(VERTICAL WIND LOAD ↕)

	ROW D	ROW C		ROW B²		ROW A²	
	ALL	Grid 1-2 & 8-9	Grid 3-7	Grid 1-2 & 8-9	Grid 3-7	Grid 1-2 & 8-9	Grid 3-7
D	0.6 K ↓	4.7 K ↓	5.2 K ↓	6.1 K ↓	6.0 K ↓	3.0 K ↓	16.3 K ↓
L	5.1 K ↓	34.2 K ↓	36.2 K ↓	43.9 K ↓	43.7 K ↓	14.9 K ↓	51.9 K ↓
SL	1.9 K ↓	12.8 K ↓	13.4 K ↓	16.3 K ↓	16.6 K ↓	5.6 K ↓	12.6 K ↓
H	+/- 0.3 K ↔	+/- 13.2 K ↔	+/- 9.1 K ↔	N/A	N/A	N/A	N/A
W_V	+/- 0.2 K ↕	+/- 3.2 K ↕	+/- 5.1 K ↕	+/- 2.8 K ↕	+/- 1.1 K ↕	+/- 1.7 K ↕	+/- 4.7 K ↕
S	N/A	+/- 3.1 K ↔	+/- 2.9 K ↔	N/A	N/A	N/A	N/A
S_H	N/A	+/- 3.9 K ↔	+/- 4.2 K ↔	+/- 4.3 K ↔	+/- 4.7 K ↔	+/- 3.6 K ↔	+/- 3.5 K ↔
S_V	N/A	+/- 0 K ↕	+/- 0 K ↕	+/- 0 K ↕	+/- 0 K ↕	+/- 1.7 K ↕	+/- 1.9 K ↕
W_H	N/A	N/A	N/A	N/A	N/A	N/A	+/- 0.9 K ↔
W_{PV}	N/A	N/A	N/A	N/A	N/A	N/A	+/- 0.5 K ↕

Note: [1] Values in table above are service level.
[2] Loads applied at EL = 227.562'

DETAIL NUMBER / SHEET NUMBER

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NAPERVILLE, IL 60563
(630) 219-1997

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PO Box One, Graham, Texas 76450
801 Fifth Street
Phone: 940/549-0733 Fax: 940/549-1365
GRANDSTANDS •BLEACHERS •STADIUMS
Established 1946

TYPE: FOOTING DETAILS
14" RISE X 26" TREAD / 153'-0" (16 ROWS)

TITLE: POTTSGROVE SCHOOL DISTRICT
ATHLETIC IMPROVEMENTS
POTTSTOWN, PENNSYLVANIA

REV	BY	DATE	DESCRIPTION
1	DMI	1/9/26	MULTIPLE CHANGES, SEE COVER

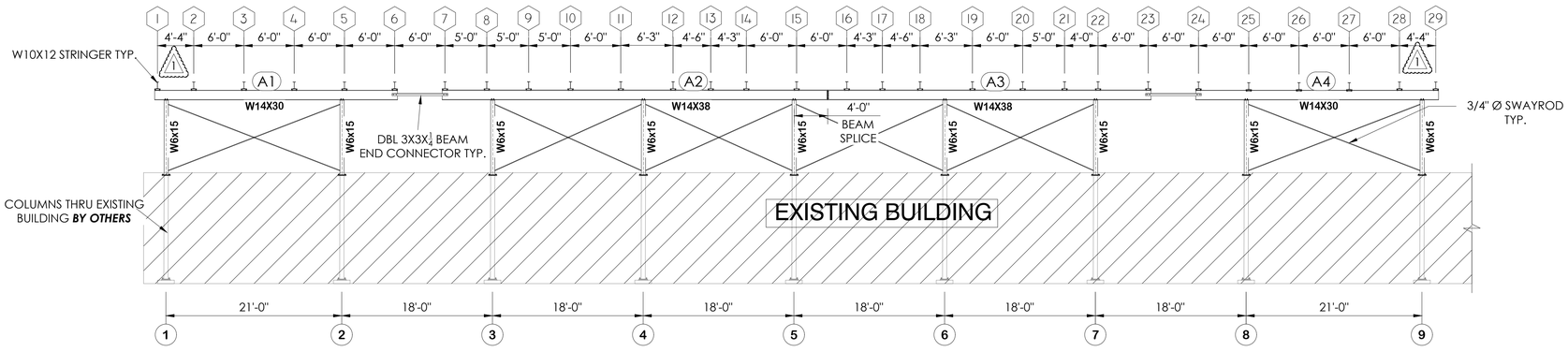
DATE: 7/31/26 | DRAWN: DMI | CHECKED: TF

JOB NUMBER: #26185

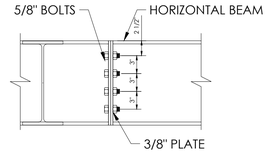
SHEET: 9

22" X 34" (1:1 x 1/2 indicated scale)

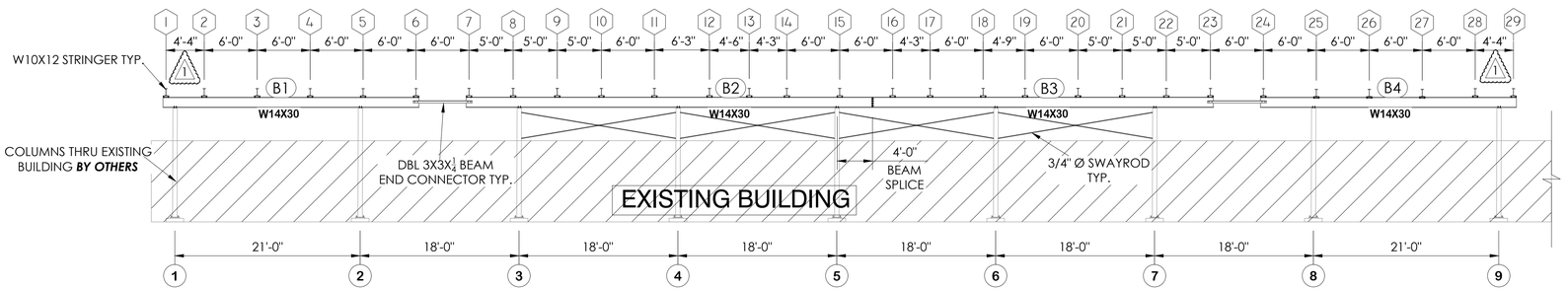
26185



1/10 ELEVATION VIEW - "A" ROW
SCALE:1/8"=1'-0"



2/10 BEAM SPLICE DETAIL
SCALE:NONE



3/10 ELEVATION VIEW - "B" ROW
SCALE:1/8"=1'-0"

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DETAIL NUMBER / SHEET NUMBER

TYPE: ELEVATION VIEWS
14" RISE X 26" TREAD / 153'-0" (16 ROWS)

TITLE: POTTSGROVE SCHOOL DISTRICT
ATHLETIC IMPROVEMENTS
POTTSTOWN, PENNSYLVANIA

REV	BY	DATE	DESCRIPTION
1	DMI	9/26	MULTIPLE CHANGES, SEE COVER

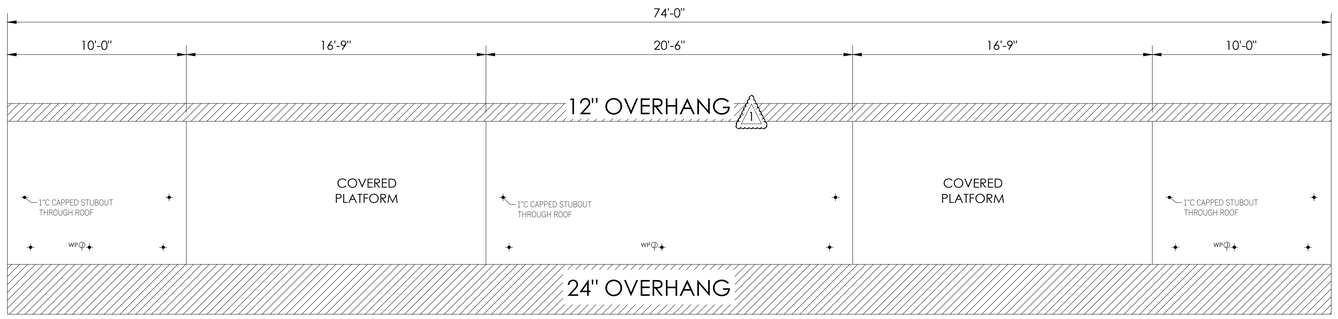
DATE: 7/31/26 | DRAWN: DMI | CHECKED: TF

JOB NUMBER: #26185

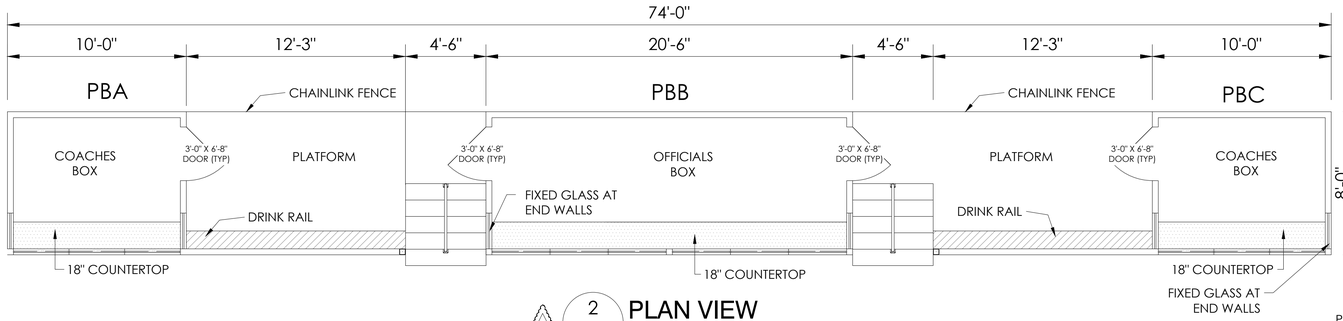
SHEET: 10

22" X 34" (11x17 = 1/2 indicated scale)

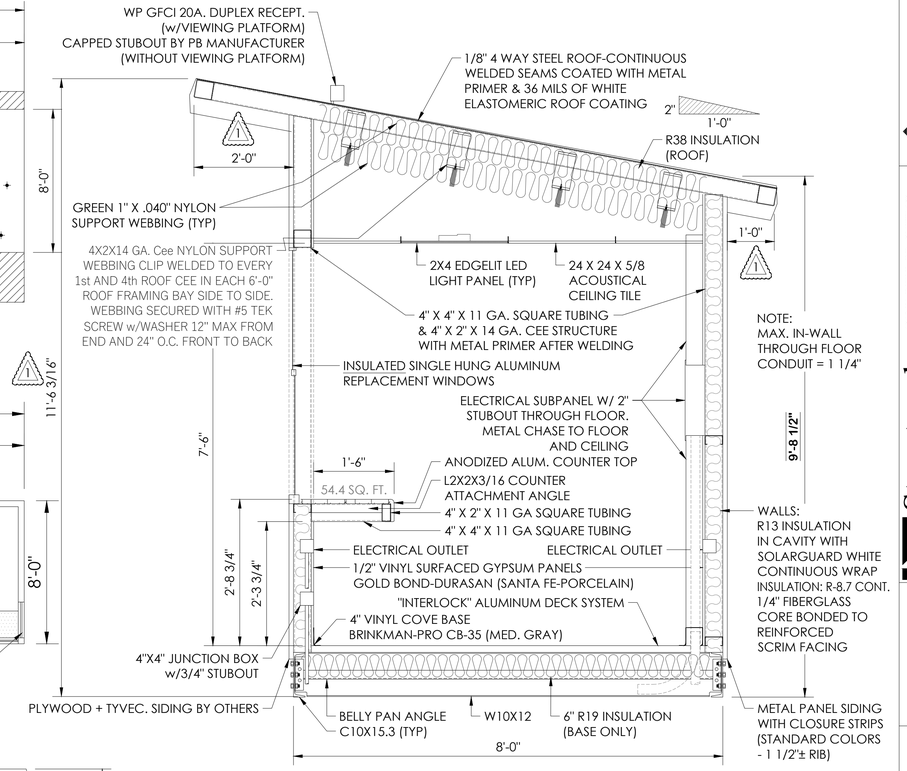
26185

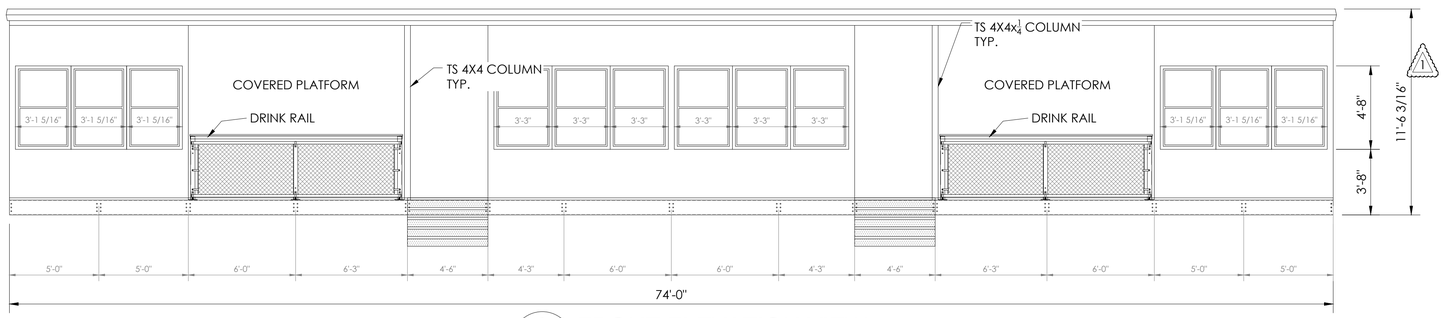


1/11 ROOF LAYOUT
SCALE:1/4"=1'-0"



2/11 PLAN VIEW
SCALE:1/4"=1'-0"





3/11 FRONT ELEVATION VIEW
SCALE:1/4"=1'-0"

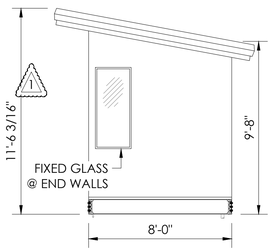
6/11 SECTION VIEW
SCALE:3/4"=1'-0"

NOTE:

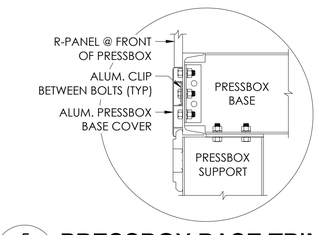
ROOF PLATE STEEL IS WELDED ON BOTH SIDES OF RAFTERS WITH 1-1/2" LONG 1/8" FILLET WELDS ON 12" CENTERS.

WALL PANELS ARE ATTACHED WITH #12 TEK SCREWS - 6" O.C. AT THE TOP AND BOTTOM OF THE PANELS AND 12" O.C. AT ANY INTERMEDIATE BRACE. LAP SCREWS ARE PLACED AT EACH END OF THE PANELS, AT THE INTERMEDIATE SUPPORTS, AND AT THE MID POINT BETWEEN SUPPORTS. (TEK #14)

FLOOR PLANK ATTACHED WITH (2)-MILL ALUM. HOLD DOWN CLIP w/5/16"X1" CARRIAGE SCREW AND 5/16" FLANGE NUT AT EACH W10X12. FRONT (END) FLOOR PLANK ATTACHED TO W10X12 WITH (2)-COUNTERSUNK 2" TEK SCREWS PER END OF PLANK AND AT INTERMEDIATE SUPPORTS.



4/11 SIDE VIEW
SCALE:1/4"=1'-0"



5/11 PRESSBOX BASE TRIM DETAIL
NOT TO SCALE

PRESS BOX TO BE SHIPPED WITH PLYWOOD AND TYVEC WRAP FOR INSTALLATION OF SIDING BY OTHERS.

DETAIL NUMBER / SHEET NUMBER

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Established 1946

TYPE: PRESS BOX DETAILS
14" RISE X 26" TREAD / 153'-0" (16 ROWS)

TITLE: POTTSGROVE SCHOOL DISTRICT
ATHLETIC IMPROVEMENTS
POTTSTOWN, PENNSYLVANIA

REV BY	DATE	DESCRIPTION
DMI	11/9/26	MULTIPLE CHANGES, SEE COVER

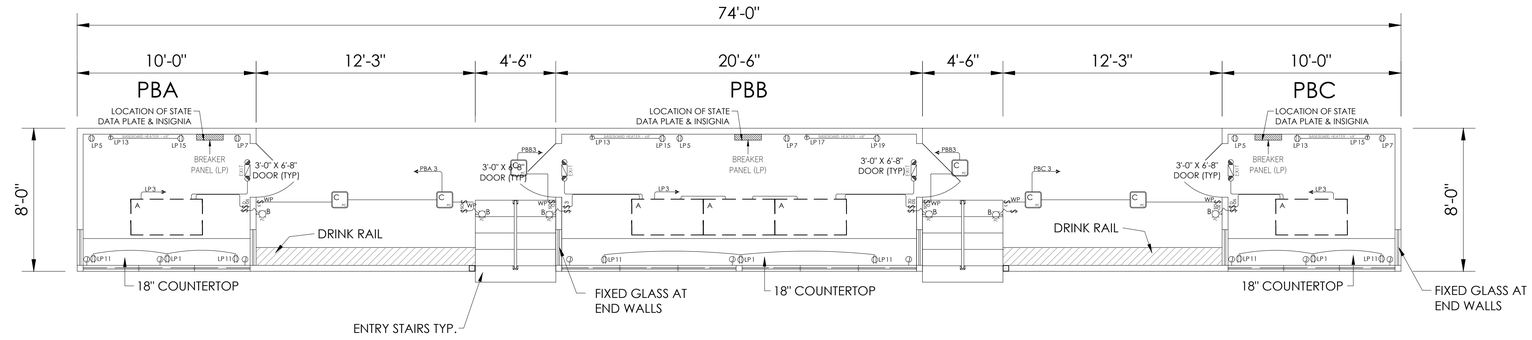
DATE 7/31/26 | DRAWN DMI | CHECKED TF

JOB NUMBER #26185

SHEET 11

22" X 34" (11x17 = 1/2 indicated scale)

26185



1/12 ELECTRICAL PLAN VIEW
SCALE:1/4"=1'-0"

PBA

U.L. LISTED - PANELBOARDS UL67 (E21790) — LOAD CENTER SCHEDULE — ABB PCC3020 (OR EQUAL FOR REQUIRED LOAD) — SUITABLE AS SERVICE EQUIPMENT COPPER BUSBAR

PANEL LP 200 AMP RATED - 30 SPACE w/ EQUIPMENT GROUND — 240/208/120 VOLTS — 1 PH.

MOUNTING: ☐ FLUSH ☒ SURFACE — 100kA @ 240V AC MAX. — 100 AMP MAIN BREAKER

	BREAKER SIZE	BREAKER POLE	CIR. #	BUS A	BUS B	CIR. #	BREAKER SIZE	BREAKER POLE	
DUPLEX RECEPTACLE FRONT WALL	20	1	1			2	20	1	SPARE
LIGHTS	20	1	3			4	20	1	SPARE
DUPLEX RECEPTACLE BACK WALL	20	1	5			6			SPACE
DUPLEX RECEPTACLE BACK WALL	20	1	7			8			SPACE
SPARE	20	1	9			10			SPACE
(2) DUPLEX RECEPTACLE FRONT WALL	20	1	11			12			SPACE
BASEBOARD HEATER THERMOSTAT	20	1	13			14			SPACE
BASEBOARD HEATER	20	1	15			16			SPACE
SPACE			17			18			SPACE
SPACE			19			20			SPACE
SPACE			21			22			SPACE
SPACE			23			24			SPACE
SPACE			25			26			SPACE
SPACE			27			28			SPACE
SPACE			29			30			SPACE

CONDUIT WILL BE 1/2" EMT, 1/2" STEELFLEX, OR SURFACE RACEWAY UNLESS OTHERWISE NOTED

WIRING ON 15A/20A BREAKERS WILL BE #12 = THWN - THHN

EQUIPMENT GROUND RUN IN ALL CONDUITS OR NON-METALLIC SURFACE RACEWAYS

PANEL FEEDER, NEUTRAL, BONDING, AND GROUNDING TO BE ACCORDING TO APPLICABLE CODES ADOPTED BY THE LOCAL AHJ ON SITE BY ELECTRICAL CONTRACTOR.

PBB

U.L. LISTED - PANELBOARDS UL67 (E21790) — LOAD CENTER SCHEDULE — ABB PCC3020 (OR EQUAL FOR REQUIRED LOAD) — SUITABLE AS SERVICE EQUIPMENT COPPER BUSBAR

PANEL LP 200 AMP RATED - 30 SPACE w/ EQUIPMENT GROUND — 240/208/120 VOLTS — 1 PH.

MOUNTING: ☐ FLUSH ☒ SURFACE — 100kA @ 240V AC MAX. — 100 AMP MAIN BREAKER

	BREAKER SIZE	BREAKER POLE	CIR. #	BUS A	BUS B	CIR. #	BREAKER SIZE	BREAKER POLE	
DUPLEX RECEPTACLE FRONT WALL	20	1	1			2	20	1	SPARE
LIGHTS	20	1	3			4	20	1	SPARE
DUPLEX RECEPTACLE BACK WALL	20	1	5			6			SPACE
DUPLEX RECEPTACLE BACK WALL	20	1	7			8			SPACE
SPARE	20	1	9			10			SPACE
(2) DUPLEX RECEPTACLE FRONT WALL	20	1	11			12			SPACE
BASEBOARD HEATER THERMOSTAT	20	1	13			14			SPACE
BASEBOARD HEATER	20	1	15			16			SPACE
BASEBOARD HEATER THERMOSTAT	20	1	17			18			SPACE
BASEBOARD HEATER	20	1	19			20			SPACE
SPACE			21			22			SPACE
SPACE			23			24			SPACE
SPACE			25			26			SPACE
SPACE			27			28			SPACE
SPACE			29			30			SPACE

CONDUIT WILL BE 1/2" EMT, 1/2" STEELFLEX, OR SURFACE RACEWAY UNLESS OTHERWISE NOTED

WIRING ON 15A/20A BREAKERS WILL BE #12 = THWN - THHN

EQUIPMENT GROUND RUN IN ALL CONDUITS OR NON-METALLIC SURFACE RACEWAYS

PANEL FEEDER, NEUTRAL, BONDING, AND GROUNDING TO BE ACCORDING TO APPLICABLE CODES ADOPTED BY THE LOCAL AHJ ON SITE BY ELECTRICAL CONTRACTOR.

PBC

U.L. LISTED - PANELBOARDS UL67 (E21790) — LOAD CENTER SCHEDULE — ABB PCC3020 (OR EQUAL FOR REQUIRED LOAD) — SUITABLE AS SERVICE EQUIPMENT COPPER BUSBAR

PANEL LP 200 AMP RATED - 30 SPACE w/ EQUIPMENT GROUND — 240/208/120 VOLTS — 1 PH.

MOUNTING: ☐ FLUSH ☒ SURFACE — 100kA @ 240V AC MAX. — 100 AMP MAIN BREAKER

	BREAKER SIZE	BREAKER POLE	CIR. #	BUS A	BUS B	CIR. #	BREAKER SIZE	BREAKER POLE	
DUPLEX RECEPTACLE FRONT WALL	20	1	1			2	20	1	SPARE
LIGHTS	20	1	3			4	20	1	SPARE
DUPLEX RECEPTACLE BACK WALL	20	1	5			6			SPACE
DUPLEX RECEPTACLE BACK WALL	20	1	7			8			SPACE
SPARE	20	1	9			10			SPACE
(2) DUPLEX RECEPTACLE FRONT WALL	20	1	11			12			SPACE
BASEBOARD HEATER	20	1	13			14			SPACE
BASEBOARD HEATER THERMOSTAT	20	1	15			16			SPACE
SPACE			17			18			SPACE
SPACE			19			20			SPACE
SPACE			21			22			SPACE
SPACE			23			24			SPACE
SPACE			25			26			SPACE
SPACE			27			28			SPACE
SPACE			29			30			SPACE

CONDUIT WILL BE 1/2" EMT, 1/2" STEELFLEX, OR SURFACE RACEWAY UNLESS OTHERWISE NOTED

WIRING ON 15A/20A BREAKERS WILL BE #12 = THWN - THHN

EQUIPMENT GROUND RUN IN ALL CONDUITS OR NON-METALLIC SURFACE RACEWAYS

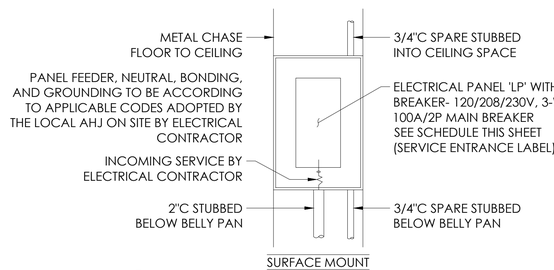
PANEL FEEDER, NEUTRAL, BONDING, AND GROUNDING TO BE ACCORDING TO APPLICABLE CODES ADOPTED BY THE LOCAL AHJ ON SITE BY ELECTRICAL CONTRACTOR.

LEGEND

- 20A. 125V. DUPLEX RECPT. TAMPER RESISTANT (WR-GFCI WHERE NOTED)
- S — 15A. 125V. SINGLE POLE DECORATOR STYLE SWITCH
- S_3 — 15A. 125V. THREE WAY DECORATOR STYLE SWITCH
- $S_{3D\,OS}$ / $S_{D\,OS}$ — LUTRON MAESTRO MS-Z101-LA 120-277V. OR EQUAL OCCUPANCY/SINGLE POLE/MULTI-LOCATION 8A AUTO-ON/AUTO-OFF OR MANUAL-ON/AUTO-OFF 0-10V IEC 60629 SINKING CONTROL LED DIMMER
- J — 4X4X2 1/8" JUNCTION BOX W/ 3/4" C STUBOUT UNDER FLOOR WP ON ROOF STUBBED INTO CEILING SPACE FOR USE BY OTHERS
- EXIT — BATTERY BACK UP EMERGENCY/EXIT 7W. LED LIGHT CONNECT TO LIGHT CIRCUIT AHEAD OF SWITCH. NEC 700.12 (F)
- A — 2'X4' EDGELIT LED PANEL LIGHT RAB LIGHTING EZPANFA2X4/D10 0.26A @ 120V INPUT WATTS: 30W OR EQUAL
- B (WC) — WP OUTDOOR 26W. LED WALL PACK LIGHT w/PHOTOCELL
- T — BASEBOARD HEATER - 36" — BASEBOARD HEATER 36"= 750W.-120V.- 6.3 A. BERCO BKOC2513W OR EQUAL
- T — BASEBOARD HEATER - 48" — BASEBOARD HEATER 48"= 1000W.-120V.- 8.3 A. BERCO BKOC2514W OR EQUAL

NOTE: 120V. DUPLEX RECPT. ARE LOCATED IN ONE END OF BASEBOARD HEATERS USING ACCESSORY COVER BKORA1. THERMOSTAT IN THE OTHER END - COVER BKOTA1A W/THERMOSTAT TA2A. WALL RECPT. ARE NOT ABOVE BB HEATERS.

- C (PC) — WP OUTDOOR 40W. LED CANOPY LIGHT w/PHOTOCELL



2/6 ELECTRICAL PANEL ELEVATION
NOT TO SCALE

Structural ENGINUITY
1815 W. DIEHL RD., SUITE 100, NAPERVILLE, IL 60563 (630) 219-1997
Southern BLEACHER COMPANY
PO Box One, Graham, Texas 76450 801 Fifth Street Phone: 940/549-0733 Fax: 940/549-1365
Established 1946
GRANDSTANDS •BLEACHERS •STADIUMS

DETAIL NUMBER / SHEET NUMBER

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TYPE: PRESS BOX DETAILS (CONT'D) — 14" RISE X 26" TREAD / 153'-0" (16 ROWS)

TITLE: POTTSGROVE SCHOOL DISTRICT ATHLETIC IMPROVEMENTS POTTSTOWN, PENNSYLVANIA

REV	BY	DATE	DESCRIPTION
1	DMI	1/9/26	MULTIPLE CHANGES, SEE COVER

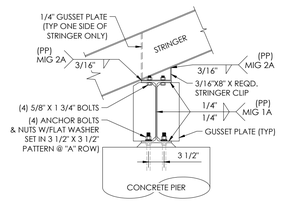
DATE	DRAWN	CHECKED
7/31/26	DMI	TF

JOB NUMBER #26185

SHEET 12

22" X 34" (11x17 = 1/2 indicated scale)

26185



1 13 ROW "A" BEAM DETAIL
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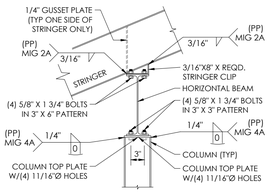

2 13 TYPICAL BEAM TO COLUMN DETAIL
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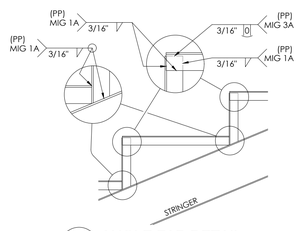

3 13 ANGLE FAB DETAIL
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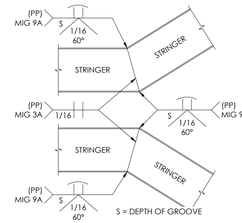

4 13 STRINGER SNOOTER JOINT CONNECTION
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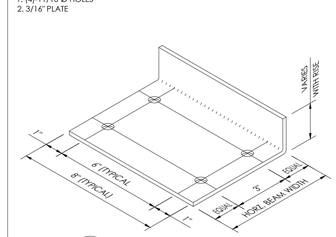

5 13 STRINGER CLIP DETAIL
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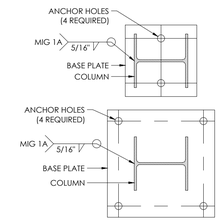

6 13 BASE PLATE ATTACHMENT DETAIL
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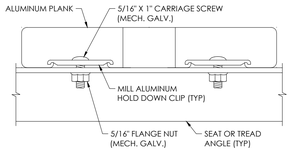

7 13 PLANK INSTALLATION DETAIL
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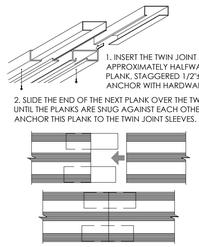

8 13 JOINT SLEEVE INSTALLATION DETAIL
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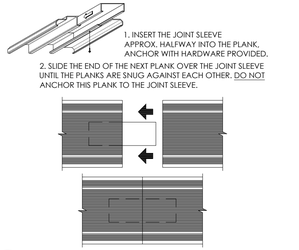

9 13 RISER JOINT SLEEVE INSTALLATION
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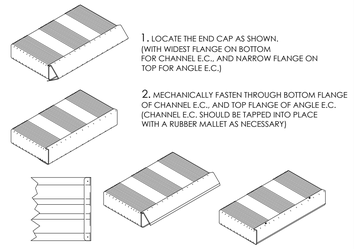

10 13 END CAP INSTALLATION DETAIL
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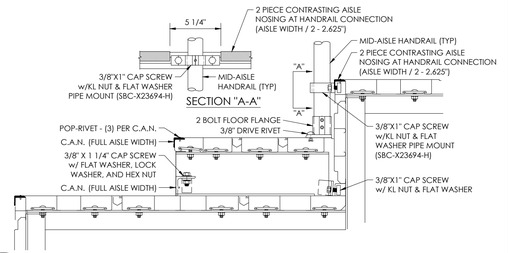

11 13 INTERLOCK 2000 HALF STEP & HANDRAIL ATTACHMENT DETAIL
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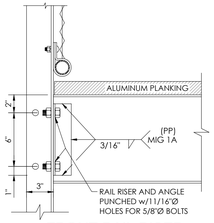

12 13 FRONT RAIL RISER ATTACHMENT DETAIL
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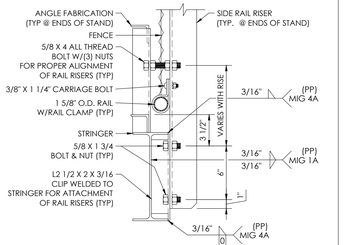

13 13 SIDE RAIL RISER ATTACHMENT DETAIL
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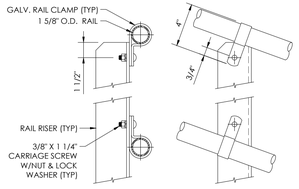

14 13 RAIL RISER ATTACHMENT DETAIL
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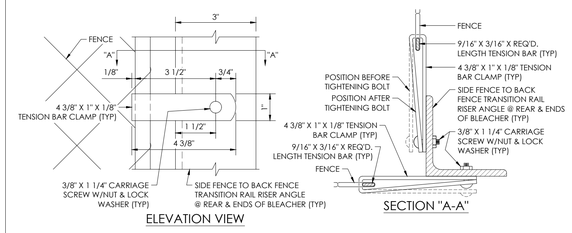

15 13 TENSION BAR CLAMP DETAIL
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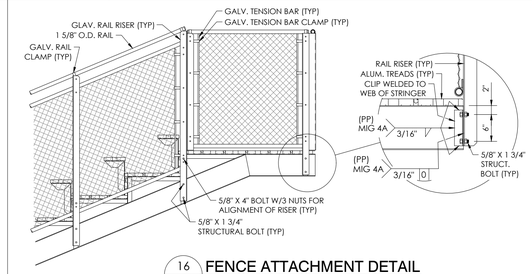

16 13 FENCE ATTACHMENT DETAIL
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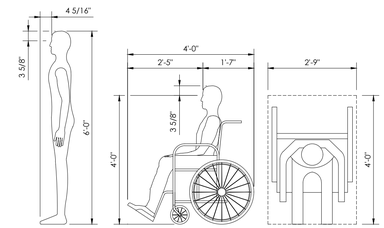

17 13 SIGHT LINE PARAMETERS
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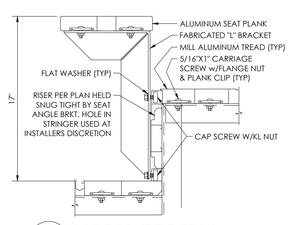

18 13 "L" BRACKET DETAIL
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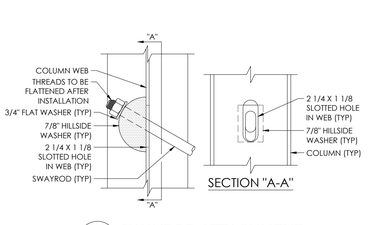

19 13 SWAYROD ATTACHMENT
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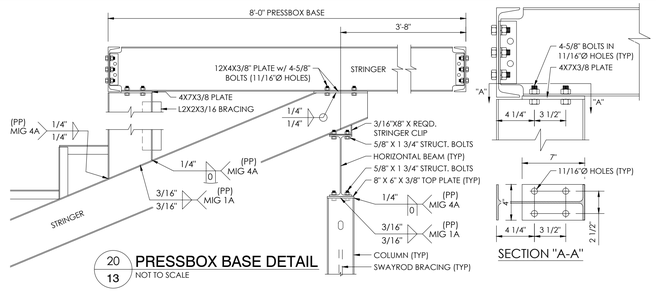

20 13 PRESSBOX BASE DETAIL
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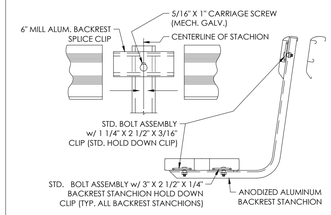

21 13 BACKREST SPLICE DETAIL
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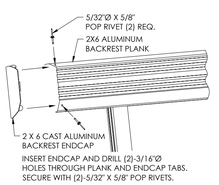

22 13 BACKREST ENDCAP DETAIL
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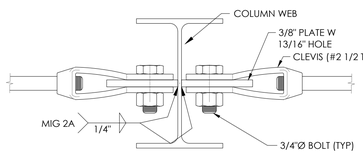
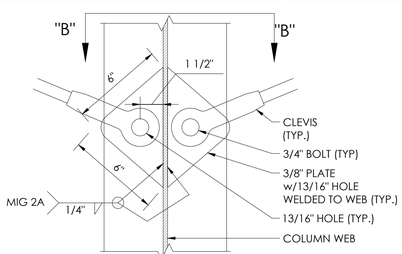


SECTION "B"-"B"



23 13 CLEVIS INST. DETAIL
NOT TO SCALE

1815 W. DIEHL RD., SUITE 100,
NAPERVILLE, IL 60563
(630) 219-1997

PO Box One, Graham, Texas 76450
801 Fifth Street
Phone: 940/549-0733 Fax: 940/549-1365

Structural ENGINUITY

Southern BLEACHER COMPANY
GRANDSTANDS • BLEACHERS • STADIUMS
Established 1946

1 DETAIL NUMBER
1 SHEET NUMBER

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TYPE: CLOSED DECK DETAILS
14" RISE X 26" TREAD / 153'-0" (16 ROWS)
TITLE: POTTSGROVE SCHOOL DISTRICT
ATHLETIC IMPROVEMENTS
POTTSTOWN, PENNSYLVANIA

REV BY	DATE	DESCRIPTION
DMI	11/19/26	MULTIPLE CHANGES, SEE COVER

DATE 7/31/26 | DRAWN DMI | CHECKED TF

JOB NUMBER #26185

SHEET 13

22" X 34" (1 1x17 = 1/2 indicated scale)

26185