ADDENDUM NO. 2

September 9, 2022

CROWN POINT HIGH SCHOOL ATHLETIC FIELDS AND SITE IMPROVEMENTS
Crown Point, IN 46307

TO: ALL BIDDERS OF RECORD

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications, and the Drawings dated August 18, 2021 by Gibraltar Design. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Pages ADD 2-1 through ADD 2-2 and attached Addendum No. 2 from Gibraltar Design dated September 7, 2022 and consisting of 6 pages, revised Specification Section 10 51 14 - Ventilated Lockers, added Specification Sections 32 31 19 - Ornamental Fences and Gates, and 33 drawings.

A. SPECIFICATION SECTION 00 00 20 – TABLE OF CONTENTS

1. **Add:**

   Specification Section 32 31 19 - Ornamental Fences and Gates

B. SPECIFICATION SECTION 00 43 50 – SUBCONTRACTORS AND PRODUCTS LIST

Under Division 32 - Exterior Improvements

1. **Add:**

   Specification Section 32 31 19 - Ornamental Fences and Gates

C. SPECIFICATION SECTION 01 12 00 - MULTIPLE CONTRACT SUMMARY

1. BID CATEGORY NO. 1 - SITEWORK/GENERAL TRADES

1. **Add:**

   Specification Section 32 31 19 - Ornamental Fences and Gates

ADDENDUM TWO

Addendum Two (AD.02) to the drawings and specifications prepared by Gibraltar Design for **Crown Point High School Athletic Fields and Site Improvements** for Crown Point Community School Corporation, Crown Point, Indiana.

All Contractors bidding on this project shall read all of the items covered below and shall comply with all of the requirements as set forth, including any necessary refinements or additions generated by this Addendum and required by the intent of the original contract documents. All Contractors shall acknowledge on their bid form that they have received this Addendum and Addendum One and include the appropriate content of same within their bid proposal.

Clarifications

1. **Varsity Softball Scoreboard:** Existing Scoreboard on Existing Structure. Existing Structure to be modified to attach scoreboard truss purchased in separate contract.
2. **Varsity Baseball Scoreboard:** Existing Scoreboard on Existing Structure. Existing Structure to be modified to attach scoreboard truss purchased in separate contract as well as electronic spinners purchased by owner. New Masonry wall to be built in front of scoreboard as shown in wall sections.
3. **JV Softball, JV Baseball, and Multipurpose Field:** New Scoreboards on new structure refer to plans and specifications for further details.
4. **Tennis Platform:** Tennis court resurface and painting due to Tennis Platform install will be done in the future.

Questions and Answers [Technology]

1. **Question**: You show a W7 data cabinet for the community building but there's nothing in the specs for W7. What basis of design are you looking for here?
    a. **Answer**: See Type W7 below; added in Addendum Two.
2. **Question**: The Press Boxes for the baseball and softball fields show exterior speakers and microphone inputs. Are you looking for complete sound systems for each field here or just rough ins?
    a. **Answer**: See Scope of work Note 1 on Sheet T-001.
        i. The "T" series drawings are being issued for both of work and for coordination. The sound and security systems devices / equipment and special systems cabling will be issued in future bid packages. All sound and security system symbols shown on the drawings that require a category rated data cable, shall have the data cable and related termination hardware included with this bid.
3. **Question**: You show camera types A1 and B1 on T771 but there's no model numbers associated or anything in the spec's. Are the cameras rough in only or are you looking to extend existing CCTV system?

a. **Answer:** See Note 1 on T-001 Scope of Work.

4. **Question:** There is a conduit run going to the Football/Soccer Pressbox that was not shown on the previous bid package. I only know this because I still have the old drawings. It appears that it is existing, but I want to verify if it is covered or we have to include it in this bid package. If it is new, what size is it?

    a. **Answer:** See updated note on TS-100; added in Addendum 2.

SPECIFICATIONS

1. Specification Section 00 01 10 Table of Contents

A. Add new Specification Sections 32 31 19, Ornamental Fences and Gates, to Division 32 on the Table of Contents.

2. Specification Section 10 51 14 Ventilated Lockers

A. Replace Specification Section 10 51 14, Ventilated Lockers, with Specification Section 10 51 14 included in this Addendum.

3. Specification Section 13 34 16 Grandstands and Press Box

A. 2.5.A Baseball: Revise Riser Height and Tread Depth to say Per Manuf. Design

B. Clarification: Wood construction is allowed for Press Box as long as design still complies with State Code.

C. Clarification: Both steel or aluminum pickets are acceptable.

4. Specification Section 27 11 16 Communication Cabinets, Racks, Frames, and Enclosures

A. Remove Paragraph 1.5 C.1 in its entirety and replace with the following:

"1. Provide all rack hardware and accessories per Drawings."

B. Add Paragraph 2.2 E.9 to read:

"9. Type W7:

a. Wall-Mounted Horizontal Equipment Rack.

b. Construction: Wall-mounted racks shall be manufactured from sheet aluminum and/or steel and aluminum extrusion.

c. Finish: Finish shall be epoxy-polyester hybrid powder coat (paint) in the color(s) specified below UL listed.

d. Weight capacity: 100 lbs.

e. 42.2" H x 24.2" W x 10" D.

f. Rack mounting width: 19-inch EIA horizontal rack rail spacing.

g. Drilled and tapped #12-24 rack mounting rails.

h. Provide with wall-mounting hardware.

1.) By Hubbell Premise Wiring.

2.) Catalog ID: RE4X

3.) REBOX® Commercial Cabinet, Light Gray, Pre-Configured."

5. Specification Section 32 31 19 Ornamental Fences and Gates

A. Add Specification Section 32 31 19, Ornamental Fences and Gates, included in this Addendum, to the Project Manual.

DRAWINGS

1. Sheet G-101

A. Sheet Index: Add sheets ED-101 Partial Electrical Site Demolition Plan and T-106 Ticket Booth.

2. Sheet C-1.2

A. Refer to revised, full-size drawing, included in this Addendum, for Demolition Notes 10 through 15 modified and added.

3. Sheet C-2.0

A. Refer to revised, full-size drawing, included in this Addendum, for modified notes for construction of softball and baseball fields.

4. Sheet C-2.1

A. Refer to revised, full-size drawing, included in this Addendum, for revised plan notes as indicated on drawing.

5. Sheet C-2.1B

A. Refer to revised, full-size drawing, included in this Addendum, for revisions.

6. Sheet C-2.2

A. Refer to revised, full-size drawing, included in this Addendum, for revised plan notes as indicated on drawing.

7. Sheet C-3.1

A. Refer to revised, full-size drawing, included in this Addendum, for regrading of the JV Softball Field.

8. Sheet C-3.2

A. Refer to revised, full-size drawing, included in this Addendum, for regrading of the JV Softball Field and the JV Baseball field Infield.

9. Sheet C-4.0

A. JV Foul Ball Pole Marker: JV Baseball existing to remain, and JV Baseball will be relocated from Varsity Baseball or Softball. No new Foul Ball Pole Markers needed for this project.

10. Sheet S-100N and S-100S

A. Refer to two (2) revised, full-size drawings, included in this Addendum, for the following revisions:

1. Updated references to ticket booths added.
2. Masonry pier detail references corrected.

11. Sheet S-101

A. Refer to revised, full-size drawing, included in this Addendum, for the following revisions:

1. Void slabs at entry alcoves removed. Section added for entries.
2. Trench footing labels added, along with trench footing schedule.

12. Sheet S-102

A. Refer to revised, full-size drawing, included in this Addendum, for the following revisions:

1. Lintels noted to be galvanized.
2. Section at lintels added

13. Sheet S-104

A. Refer to revised, full-size drawing, included in this Addendum, for the following revisions:

1. Detail 4 – Trench footing reinforcing defined.
2. Detail 7 – Lintel and plate size added.

14. Sheet S-105

A. Refer to revised, full-size drawing, included in this Addendum, for the following revisions:

1. Column footing schedule added to foundation plan
2. Section at high eave of roof framing added.

15. Sheet S-102

A. Refer to revised, full-size drawing, included in this Addendum, for the following revisions:

1. Detail 6 – Post anchorage notes updated.

16. Sheet S-108

A. Refer to revised, full-size drawing, included in this Addendum, for the following revisions:

1. Structural plan for Ticket Booths added.
2. Foundation section at front wall of Ticket Booths added.

17. Sheet S-401

A. Refer to revised, full-size drawing, included in this Addendum, for Section 16 added for Community Building entry alcoves.

18. Sheet S-402

A. Refer to revised, full-size drawing, included in this Addendum, for Section 12 added for Community Building lintels at entry alcoves.

19. Sheets A-101, A-102

A. Refer to two (2) attached revised full-size drawings, included in this Addendum, for revisions.

20. Sheet A-103

A. Guardrail Detail 5/A-106 change "Composite Wood Tread" to "1 ½" Grated Stair Tread"

21. Sheet A-104

A. Refer to attached revised full-size drawing, included in this Addendum, for revisions.

22. Sheet A-105

A. Add "SIM" to section cut on Elevation 4 and remove "SIM" on section cut on Elevation 5

23. Sheet A-106

A. Refer to attached revised full-size drawing, included in this Addendum, for revisions.

24. Sheets A-401, A-402, A-403

A. Refer to three (3) attached revised full-size drawings, included in this Addendum, for revisions.

25. Sheet A-501

A. Refer to attached revised full-size drawing, included in this Addendum, for revisions.

26. Sheet A-601

A. Refer to attached revised full-size drawing, included in this Addendum, for revisions.

27. Sheet A-701

A. Revise Key Note 22 to say "Sliding Aluminum Window"

28. Sheet E-001

A. Refer to attached revised full-size drawing, included in this Addendum, for revised mounting type for fixture EF.

29. Sheet E-005

A. Refer to attached revised full-size drawing, included in this Addendum, for revised site lighting circuiting from Panel PP-1 to Panel HP-2.

30. Sheet ED101

A. Add new full-size drawing, included in this Addendum, identifying electrical demolition scope

31. Sheet ES101

A. Refer to attached revised full-size drawing, included in this Addendum, for revised location of batting cage receptacles.

32. Sheet ES102

A. Refer to attached revised full-size drawing, included in this Addendum, for the following revisions:

1. Revised flagpole lighting location.
2. Added additional site lighting Fixture Types EC.
3. Revised circuit for site lighting Fixture Type EC.

33. Sheet TS-100

A. Add plan note 2 at conduit between parking and multipurpose field.

34. Sheet T-101

A. WAP added to locker rooms A-107 and A-112

35. Sheets T-102 and T-103

A. WAP added to Press Box.

36. Sheet T-106

A. Add new full-size drawing, included in this Addendum.

37. Sheet T-601

A. Refer to attached revised full-size drawing, included in this Addendum, for updated backbone to ticket booth locations.

Pages 1 through 6, inclusive, Specification Section 10 51 14, 32 31 19, and thirty-three (33) Full-Size Drawings, constitute the total makeup of **Addendum Two**.

GIBRALTAR DESIGN

Joseph P. Briggs

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SECTION 10 51 14
VENTILATED LOCKERS

1 General

1.1 Section Includes

A. Ventilated locker units with hinged doors.

B. Trim and accessories.

C. Hooks, latches, and hardware.

D. Attachment hardware.

1.2 Related Sections

A. Section 03 30 00 - Concrete: Concrete bases.

B. Section 04 20 00 - Unit Masonry: Masonry for bases.

C. Section 06 10 00 – Rough Carpentry: Wood grounds and nailing strips.

D. Section 08 71 00 - Door Hardware: Padlocks.

E. Section 10 51 13 - Metal Lockers.

1.3 System Description

A. Lockers: All welded construction; 18-inch x 15-inch x 60-inch single-tier lockers; on masonry base; with metal base; with sloped tops; recessed combination locks; padlock hasps; end closures; end panels; corner units; fillers; trim molds.

B. Ship all units set-up with no nuts and bolts or hazardous projections used in assembly.

1. Knock down units are not acceptable.

1.4 Submittals

A. Submit shop drawings under provisions of Division 1.

1. Include locker types, sizes, configurations, layout of groups of lockers, accessories, and numbering plan.

B. Submit product data under provisions of Division 1.

C. Submit samples for color selections under provisions of Division 1.

1.5 Protection

A. Store and protect lockers under provisions of Division 1.

B. Protect locker finishes and adjacent surfaces from damage during installation.

2 Products

2.1 Ventilated Lockers - Acceptable Manufacturers

A. DeBourgh Manufacturing Company, La Junta, Colorado.

B. Superior, List Industries, Inc., Deerfield Beach, Florida.

C. Republic Storage Systems Company, Canton, Ohio.

D. Penco Products, Inc., Oaks, Pennsylvania.

E. Lyon Workspace Products, Aurora, Illinois.

F. Art Metal Products, Deerfield Beach, Florida.

G. Locker Units: Types A as indicated on Locker Room Plans.

2.2 Materials

A. Sheet Steel: Prime grade, free from scale and imperfections; of the following minimum thicknesses.

1. Exposed Sides and Vertical Partitions: 13 gage, 3/4 inch flattened expanded metal welded to 1 inch by 1 inch by 1/8 inch pickled steel angles, with all sharp edges covered; or 16 gage perforated steel formed to provide continuous door strike.

2. Backs; Verticals Adjacent to Wall Surfaces; End Panels; Verticals at Inside Corners: Solid, 18 gage steel.

3. Doors: 13 gage, 3/4 inch flattened expanded metal and 1 inch by 1 inch by 1/8 inch steel angles; or 14 gage sheet steel with simulated expanded metal perforations with 7/8 inch single bends top and bottom and 1 inch double bends on each side.

4. Hinges:

   a. Double Tier Doors: Right side hinged; 14 gage full loop, tight pin, five knuckles, or full length piano hinges.

   b. Box Type Lockers: Right side hinged; continuous hinges or minimum 3/16 inch diameter hinge pin welded to door and bearing in two solid brass bushings in 16 gage knife hinges riveted to locker body.

5. Bottoms: Solid, 16 gage.

6. Tops and Horizontal Dividers: Solid, 16 gage.

7. Shelves: Solid, 16 gage, with double bend on front, provide one shelf in each single tier locker.

   a. Locate shelves in single tier lockers at 9 inches below top.

8. Sloping Tops: Solid, 20 gage.

9. Metal Zee Base: 14 gage front Zee base, with rear legs, cross bracing, and end plates, 4 inches high.

2.3 Accessories

A. Hooks: Ball tip, cadmium plated steel.

1. Provide each single tier locker with three single prong wall hooks and one double prong ceiling hook.

B. Number Plate: Polished aluminum, 2 1/4 inches wide by 1 inch high, 3/8 inch black etched numerals; attach with rivets.

C. Rubber Bumpers: Provide rubber silencers on door jambs.

D. Locking Device: Positive locking device, quiet, automatic or prelocking type, three point locking on single or double tier lockers, one point locking on multi-tier lockers, straight lift type handles.

1. Padlock Hasps: Provide all other lockers with padlock hasps.

a. Provide padlock strike to prevent damage to door finish.

b. Padlocks will be provided by the Owner.

2.4 Fabrication

A. General: Weld all seams and joints, grind exposed joints smooth.

B. Size: 18-inches wide x 15-inches deep x 60-inches tall.

C. Hinges: Three per door for doors 48 inches and higher or continuous hinges.

1. Weld or rivet securely to unit body and weld to unit door.

D. Provide end panels, sloped metal tops, corner units, metal bases, and filler panels to close off all openings.

E. Finish edges smooth without burrs.

F. A. D. A. Compliant Lockers:

1. Single tier locker.

2. Provide recessed handles.

3. Locate locker bottom a minimum of 9 inches off the locker base, or place an extra shelf 9 inches off the locker base.

4. Provide single tier lockers with a shelf 48 inches off the floor.

5. Provide doors assigned for handicapped use with an appropriate symbol sign.

2.5 Finishes

A. Clean and phosphate treat metal; electrostatically spray with one coat of epoxy based paint and bake to a glossy finish.

B. Locker doors and bodies may be required to be different colors.

C. Colors: Custom colors as selected by the Architect.

3 Execution

3.1 Preparation

A. Verify bases are properly sized and located.

B. Obtain job dimensions and coordinate sizes.

C. Verify quantities of lockers required.

3.2 Installation

A. Install lockers secure, plumb, square, and in line.

1. Set on prepared base provided.

B. Anchor lockers with appropriate anchor devices to suit materials encountered.

C. Install end panels, filler panels, sloped tops, bases, corner units, and trim to completely close off openings.

END OF SECTION

SECTION 32 31 19
ORNAMENTAL FENCES AND GATES

1 General

1.1 Section Includes

A. Metal framework, fencing, and accessories.

B. Concrete anchorage for posts.

C. Gates and related hardware.

1.2 Related Sections

A. Section 32 13 80 - Exterior Concrete: Concrete anchorage for posts.

1.3 System Description

A. Picket type fence manufactured from metal tubing for all major components including posts, rails, and pickets.

B. Design system to accommodate thermal expansion and contraction without detrimental effect on components.

1.4 Submittals

A. Submit shop drawings, product data, and samples under provisions of Division 1.

B. Include plan layout, elevation, spacing of components, accessories, fittings, hardware, anchorages, and schedule of components.

C. Submit manufacturer's installation instructions under provisions of Division 1.

D. Submit two samples of 6 inch lengths, illustrating fence finish.

1.5 Quality Assurance

A. Installer Qualifications: An installer with minimum five (5) years experience, who has completed ornamental fences and gates similar in material, design, and extent to those indicated for this Project and whose work has resulted in construction with a record of successful in-service performance.

B. Manufacturer Qualifications: Company specializing in commercial quality ornamental fencing with minimum five (5) years experience.

C. Source Limitations: Obtain ornamental fences and gates through one source from a single manufacturer.

1.6 Project Conditions

A. Field Measurements: Verify ornamental fencing layout information shown on Drawings in relation to property survey and existing structures. Verify dimensions by field measurements.

2 Products

2.1 Manufacturers

A. Acceptable Manufacturers:

1. Ameristar, Tulsa, Oklahoma, (888-333-3422).
2. Master Halco, Inc., Orange, California, (800-229-5615).
3. Hoover Fence Company, (800-355-2335).

B. Basis-of-Design Product: Ameristar; Echelon II Majestic, Three Rail with Rings.

2.2 Materials

A. Extruded Aluminum: ASTM B221; 6005-T5 alloy and temper and 6063-T5 alloy and temper where indicated.

B. Accessories:

1. Post Caps: Cast aluminum.
2. Brackets and Miscellaneous Items: As required for complete installation; manufacturer's standard.

2.3 Ornamental Fencing

A. Aluminum Ornamental Fence System: System includes fence posts, framework, and mounting accessories.

1. Style: Flush top rail.
   a. Three Rail: Style Majestic.
2. Height: 4 feet.
3. Aluminum: ASTM B221, tubular pickets, rails and posts.
   a. Extrusions for Posts and Rails (Outer Channel): 6005-T5.
   b. Extrusions for Pickets and Rail (Inner Slide Channels): 6063-T5.
4. Rails:
   a. Double-walled U channel; outside cross-section dimensions of 1-3/4 inch square; interior guide channel shall form lower limit of raceway for retaining rod.
   b. Panel Length: Not to exceed 8 feet.

c. Rail Strength: Effective Wall Thickness: top wall of outer channel of the rail shall be 0.100 inch thick; side walls shall be 0.120 inch thick.

d. Enclosed Retaining Rods: 0.125 inch diameter galvanized steel. Variable pitch connection system for, high angle racking and elimination of external fasteners.

e. PVC Grommets: Provide grommets to seal all picket-to-rail intersections.

f. Picket holes in the ForeRunner rail for shall be spaced at 4.715 inches o.c.

5. Pickets: 1 inch square by 0.065 inch thick extruded aluminum tubing.

6. Fasteners: 302 stainless steel; match finish of fence.

a. Security Fastener: One-way tamperproof security bolts with inverted t-nuts.

b. Bracket to Post Connections: Self-drilling hex-head screws.

7. Panels: Completed panels shall be capable of supporting a 300 pound load applied at midspan without permanent deformation.

8. Racking/Biasability (Ability of Panels to Follow Grades): Minimum of 25 percent slope.

9. Posts:

a. Size: 2-1/2 inches by 2-1/2 inches with perimeter wall thickness of 0.080 inch and interior reinforcing web thickness of 0.080 inch w/ std. post cap.

b. Size: 3 inches by 3 inches with perimeter wall thickness of 0.120 inch w/ std. post cap.

10. Accessories: Aluminum Castings.

a. Post Cap: Ball Cap.

b. Rings.

B. Swing Gates: Single gates at locations indicated on Drawings.

1. Design: Same appearance as ornamental fence panel system.

2. Gate Hardware:

a. Hinges: Non-lift-off type; capable of 180 degree swing.

b. Locking: Provide clasp and hasp locking capability.

c. Supports and Required Attachments: As required for proper operation of gate assemblies.

2.4 Fabrication

A. Fabricate fence panels and posts to sizes and profiles required with framing members fitted, reinforced, and braced to suit design requirements.

2.5 Finishes

A. Baked Paint Finish:

1. Typical, all metals. Polyester resin based power coating, minimum 2.5 mils thick, electrostatically applied, and baked. Preparation and primer as recommended by manufacturer.

2. Color: As selected by Architect from manufacturer's full range.

B. Bituminous Coating: For separation of dissimilar materials.

3 Execution

3.1 Examination

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

1. Do not begin installation before final grading is completed, unless otherwise permitted by Architect and Construction Manager.

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

3.2 Preparation

A. 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, underground structures, benchmarks, and property monuments.

B. Separate dissimilar materials with bituminous coating or another separating material acceptable to manufacturer.

3.3 Installation, General

A. Post Setting: Hand-excavate holes for post foundations in firm, undisturbed or compacted soil. Set gate posts in concrete footing. Protect portion of posts above ground from concrete splatter. Place concrete around posts and vibrate or tamp for consolidations. Verify that posts are set plumb, aligned, and at correct height and spacing, and hold in position during placement and finishing operations until concrete is sufficiently cured.

1. Dimensions and Profile: As indicated on Drawings.

2. Exposed Concrete Footings for Gates: Extend concrete above grade as indicated on Drawings, smooth, and shape to shed water.

3. Set posts in concrete by one of the following methods:

a. Posts Set into Concrete in Sleeve: Use steel pipe sleeves preset and anchored into concrete for installing posts. After posts have been inserted into sleeves, fill annular space between post and sleeve with non-shrink, non-metallic grout, or anchoring cement, mixed and placed to comply with anchoring material manufacturer's written instructions, and finished sloped to drain water away from post.

b. Posts Set into Concrete in Voids: Form or core drill holes not less than 5 inches deep and 3/4 inch larger than OD of post. Clean holes of loose material, insert posts, and fill annular space between post and concrete with non-shrink, non-metallic grout, or anchoring cement, mixed and placed to comply with anchoring material manufacturer's written instructions, and finished sloped to drain water away from post.

3.4 Fence Installation

A. Posts: Space line posts uniformly at intervals indicated on Drawings.

B. Post Bracing Assemblies: Install according to ASTM F 567, maintaining plumb position and alignment of fencing. Install braces at end and gate posts and at both sides of corner and pull posts. Locate horizontal braces at mid-height of fabric on fences with top rail and at two-thirds fabric height on fences without top rail. Install so posts are plumb when diagonal rod is under proper tension.

3.5 Gate Installation

A. General: Install gates according to manufacturer's written instructions, level, plumb, and secure for full opening without interference.

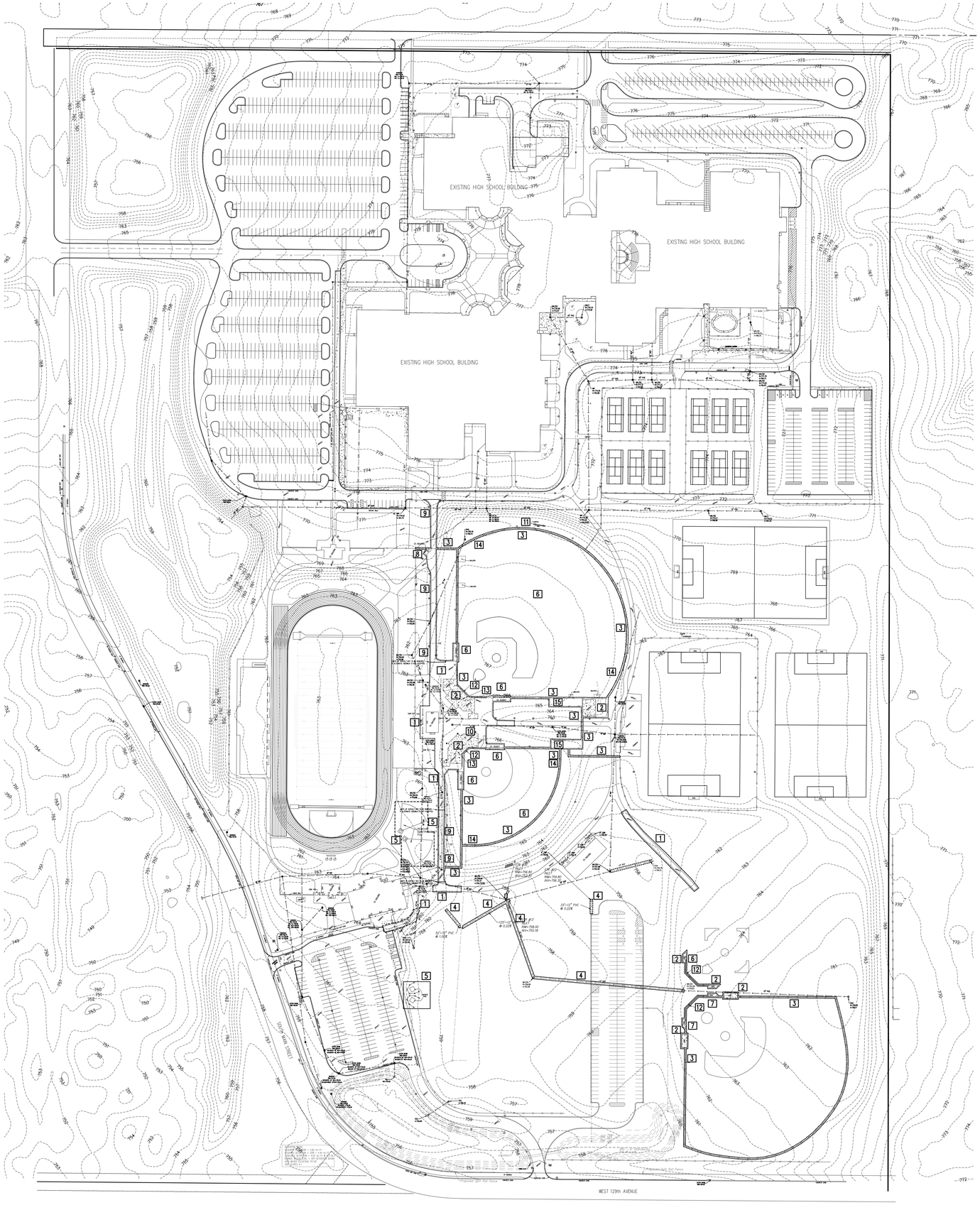
B. Attach hardware using tamper-resistant or concealed means. Install ground-set items in concrete for anchorage. Adjust hardware for smooth operation and lubricate where necessary.

3.6 Adjusting

A. Gate: Adjust gate to operate smoothly, easily, and quietly, free from binding, warp, excessive deflection, distortion, non-alignment, misplacement, disruption, or malfunction, throughout entire operational range. Confirm that latches and locks engage accurately and securely without forcing or binding.

B. Lubricate gate hardware and other moving parts.

END OF SECTION



DEMOLITION NOTES

- REMOVE WITHIN THE OUTLINED AREA
- [1] REMOVE EXISTING ASPHALT
- [2] REMOVE EXISTING CONCRETE
- [3] REMOVE EXISTING FENCE
- [4] REMOVE EXISTING STORM SEWER
- [4] REMOVE EXISTING CONCRETE SIDEWALK LIGHT POLES & FIRE HYDRANT. (CONCRETE CURB TO REMAIN.)
- [5] REMOVE EXISTING DISCUS FENCE & PAD, SHOT PUT AREA
- [6] REMOVE EXISTING CONCRETE, DUGOUT AND BALLFIELD
- [7] REMOVE EXISTING CONCRETE & DUGOUT
- [8] REMOVE EXISTING BUILDING
- [9] REMOVE EXISTING ASPHALT ONLY IF THE ALTERNATE DESIGN FOR CONCRETE SIDEWALK IS ACCEPTED BY THE OWNER.
- [10] REMOVE FOUL BALL NETTING. AD.02
- [11] REMOVE FLAG POLE AND STORE FOR RELOCATION.
- [12] REMOVE EXISTING BACKSTOP FENCING.
- [13] REMOVE EXISTING BLEACHERS IN THEIR ENTIRETY..
- [14] REMOVE EXISTING FOUL BALL POLES AND STORE FOR RELOCATION TO JV SOFTBALL FIELD.
- [15] REMOVE EXISTING BATTING CAGE AND CONCRETE IN IT'S ENTIRETY.

NORTH

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch =100 ft.

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

CROWN POINT HIGH SCHOOL - ATHLETIC FIELDS AND SITE IMPROVEMENTS

FOR:
CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 21-120
DATE 08-22-22
COORDINATED BY DCT
DRAWN BY DCT EM
CHECKED BY DCT RAT

DONALD C. TORRENGA REGISTERED No. 19868 STATE OF INDIANA PROFESSIONAL ENGINEER

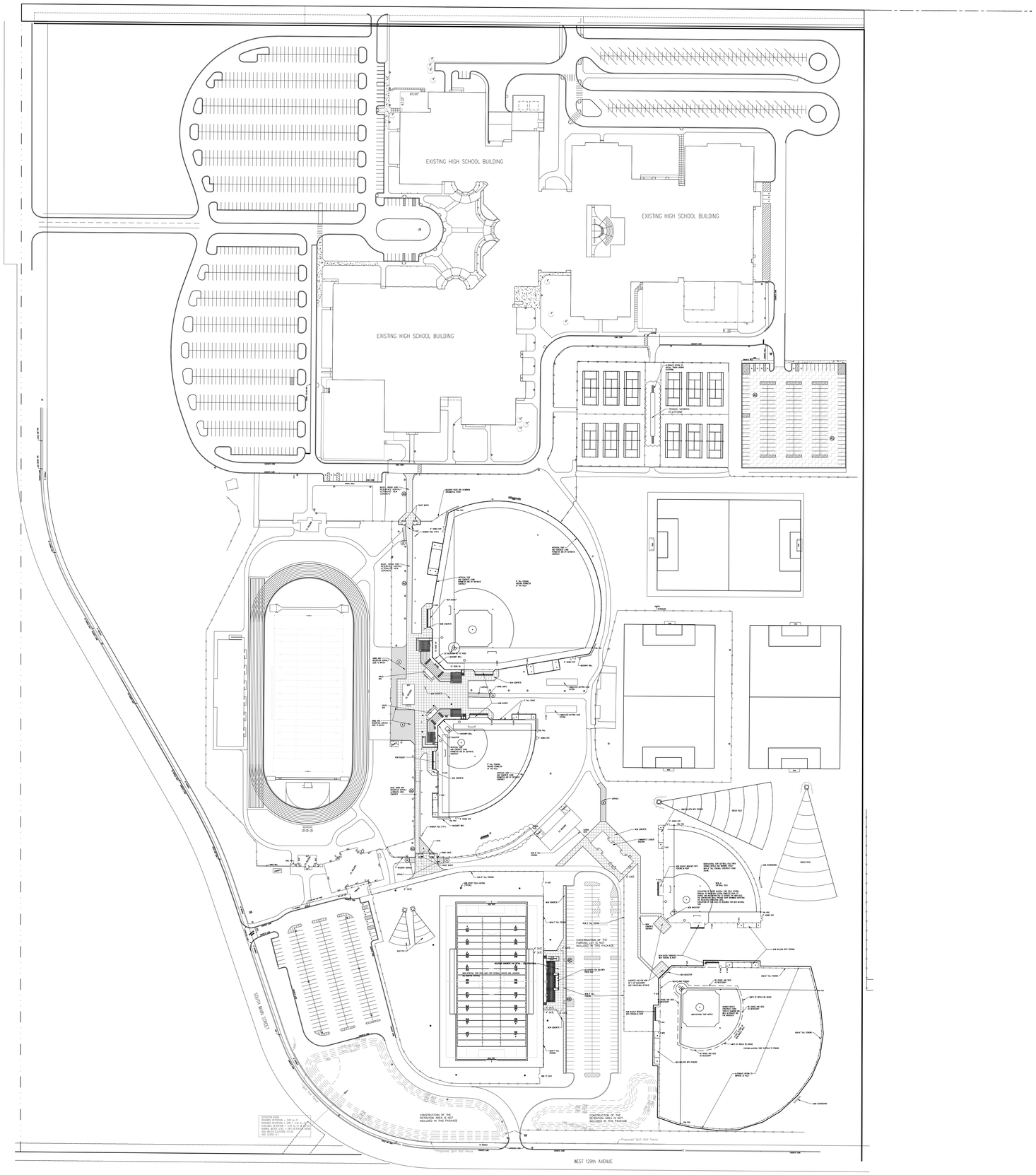
REVISIONS

MARK	DATE	ISSUED FOR
AD.02	09-07-22	ADDENDUM NUMBER 02

DRAWING
DEMOLITION

PROJECT
CROWN POINT HIGH SCHOOL - ATHLETIC FIELDS AND SITE IMPROVEMENTS

SHEET
C-1.2



LEGEND:

PROPOSED

- (AW) BASE: GRIND AND RESURFACE ASPHALT
  ALTERNATE: NEW CONCRETE WALK
- (CW) CONCRETE WALK
- (HC) HANDICAP ACCESS RAMP
- (A) NEW ASPHALT WALK
- (AG) GRIND ASPHALT & RESURFACE 1-1/2" DEPTH
- (AG) GRIND ASPHALT & RESURFACE 1-1/2" DEPTH OR ALTERNATE NEW CONCRETE

AD.02

NOTES:

The sequence for the construction of the natural turf softball field:

1) The existing topsoil is to be stripped off of the site and stockpiled nearby.

2) Proposed rough grading of the site shall be performed to a depth of 6 inches less than the final grades as shown on the grading plan for the playing fields. Prior to final grading, allow adequate time for the soil to settle to avoid uneven turf later.

3) The final 6 inches consisting of topsoil free from impurities and debris shall be placed to the elevations as shown on the plans.

4) A final shallow raking of disturbed area shall be done immediately before seeding for the preparation of a good seedbed.

5) Apply a starter fertilizer (high in PH) at the rate of 1.5 lbs per 1000sf.

6) The entire area of the softball field outside of the infield and warning track, shall be seeded with "Healthy Grass Technology" 80% Kentucky Bluegrass (HGT) + 20% Regenerating Perennial Ryegrass (RPR) at the rate of 6 to 8 lbs/1000 sf, or a mixture as specified by the Owner/Architect.

7) The infield area and the warning track shall be constructed using aglime, a minimum depth of 6 inches. The contractor shall submit the shop drwaings depicting the type of aglime to be used prior to installation.

8) The infield area shall be graded to the elevations shown on the plan set.

9) The warning track shall be graded to match the slope of the outfield grass up to the fence line.

NOTES:

The sequence for the construction of the new natural turf baseball field;

1) The existing infield and areas up to the limits of re-grading is to be stripped off of the site, stockpiled. All excess material shall be removed.

2) Proposed rough grading of the infield, and re-grade areas shall be performed to a depth of 6 inches less than the final grades as shown on the grading plan. Prior to final grading, allow adequate time for the soil to settle to avoid uneven turf later.

3) The final 6 inches consisting of topsoil free from impurities and debris shall be placed to the elevations as shown on the plans in the areas marked as re-grade outside of the infield.

3) The final 6 inches consisting of Turface Diamond Select Material shall be placed to the elevations as shown on the plans.

4) A final shallow raking of disturbed area along the edge of the infield shall be done immediately before seeding for the preparation of a good seedbed.

5) Apply a starter fertilizer (high in PH) at the rate of 1.5 lbs/1000sf over the disturbed area of the outfield.

6) The entire area of the JV Baseball Infield and warning track shall be shall be seeded with "Healthy Grass Technology" 80% Kentucky Bluegrass (HGT) + 20% Regenerating Perennial Ryegrass (RPR) at the rate of 6 to 8 lbs/1000 sf, or a mixture as specified by the Owner/Architect.

7) The infield dirt area and the warning track shall be constructed using aglime, a minimum depth of 6 inches. The contractor shall submit the shop drwaings depicting the type of aglime to be used prior to installation.

8) The infield area shall be graded to the elevations shown on the plan set.

NORTH

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)

1 inch =100 ft.

GIBRALTAR

DESIGN

ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

CROWN POINT HIGH SCHOOL - ATHLETIC FIELDS AND SITE IMPROVEMENTS

FOR:
CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 21-120
DATE 08-22-22
COORDINATED BY DCT
DRAWN BY DCT EM
CHECKED BY DCT RAT

DONALD C. TORRENCE REGISTERED No. 19868 STATE OF INDIANA PROFESSIONAL ENGINEER

REVISIONS

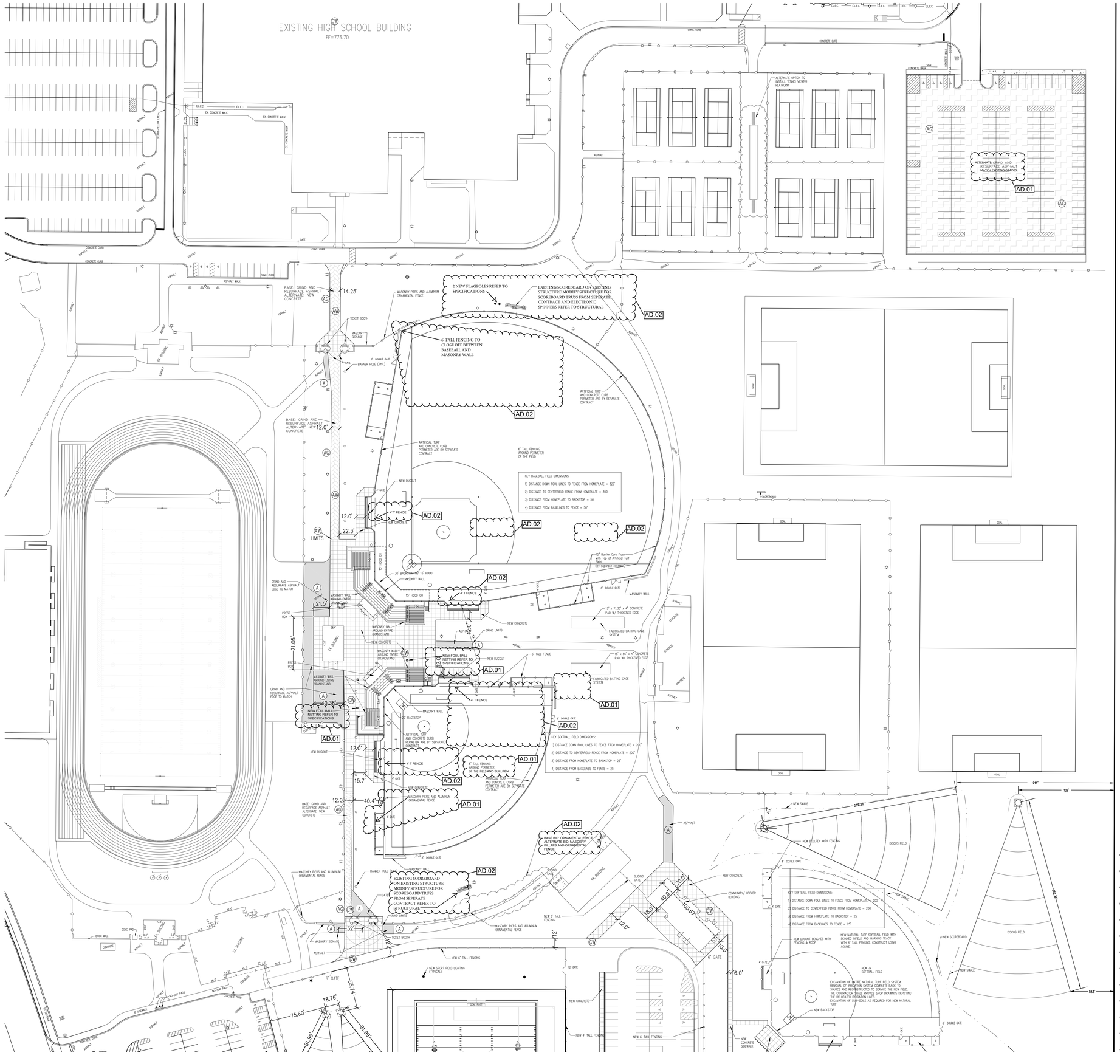
MARK	DATE	ISSUED FOR
AD.02	09-07-22	ADDENDUM NUMBER 2

DRAWING
MASTER SITE PLAN

PROJECT
CROWN POINT HIGH SCHOOL - ATHLETIC FIELDS AND SITE IMPROVEMENTS

SHEET
C-2.0

Z:\2022-5038 Crown Point HS & Wheeler - Turf Project\dwg\2022-5038 CP Athletics.dwg 9/6/2022 2:20:08 PM CDT



LEGEND:

PROPOSED

- BASE: GRIND AND RESURFACE ASPHALT ALTERNATE: NEW CONCRETE WALK
- CONCRETE WALK
- HANDICAP ACCESS RAMP
- NEW ASPHALT WALK
- GRIND ASPHALT & RESURFACE 2" DEPTH - ALTERNATE — AD.01
- GRIND ASPHALT & RESURFACE 1-1/2" DEPTH OR ALTERNATE NEW CONCRETE

REFER TO AS-101, S-100N, AND S-110S FOR MASONRY WALL/PIER LOCATIONS AND ADDITIONAL INFORMATION — AD.02

NORTH

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)

1 inch = 50 ft.

GIBRALTAR DESIGN

ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

CROWN POINT HIGH SCHOOL - ATHLETIC FIELDS AND SITE IMPROVEMENTS

FOR:
CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 21-120
DATE 08-22-22
COORDINATED BY DCT
DRAWN BY DCT EM
CHECKED BY DCT RAT

DONALD C. TORRENCE — REGISTERED — No. 19868 — STATE OF INDIANA — PROFESSIONAL ENGINEER

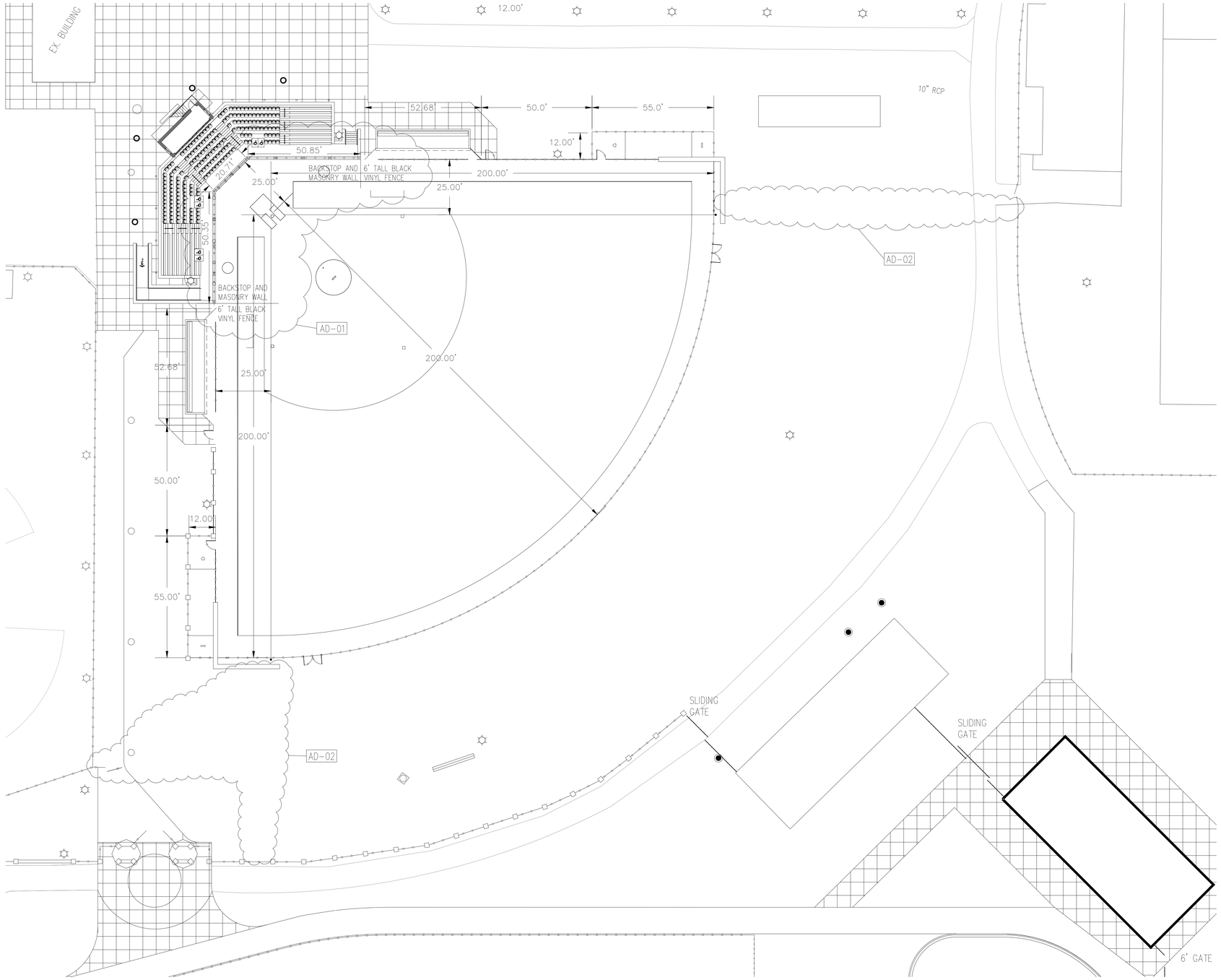
REVISIONS

MARK	DATE	ISSUED FOR
AD.01	08/30/22	ADDENDUM NO. 01
AD.02	09/06/22	ADDENDUM NO. 02

DRAWING
SITE PLAN

PROJECT
CROWN POINT HIGH SCHOOL - ATHLETIC FIELDS AND SITE IMPROVEMENTS

SHEET
C-2.1



CROWN POINT HIGH SCHOOL
SOFTBALL LAYOUT PLAN

0 10' 20' 40'

SCALE: 1" = 20'

NORTH

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
CROWN POINT HIGH SCHOOL - ATHLETIC FIELDS AND SITE IMPROVEMENTS

FOR:
CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 21-120
DATE 08/18/22
COORDINATED BY JPB
DRAWN BY DTB
CHECKED BY JPB

JOSEPH P. BRIGGS REGISTERED NO. 11600109 STATE OF INDIANA ARCHITECT

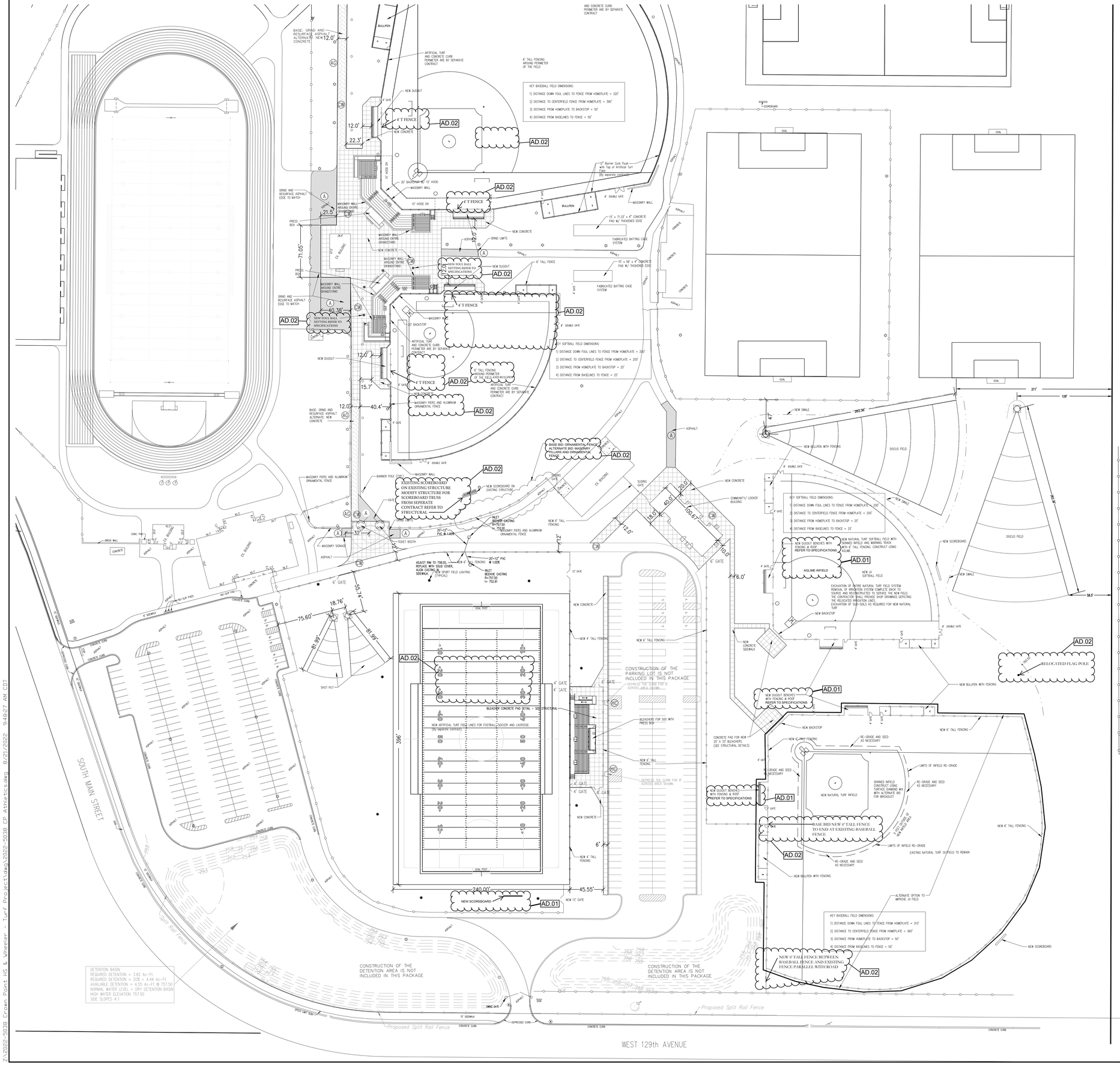
REVISIONS

MARK	DATE	ISSUED FOR
AD-1	08/30/22	ADDENDUM NO. 1
AD-2	09/06/22	ADDENDUM NO. 2

DRAWING
SOFTBALL TURF PLAN

PROJECT
CROWN POINT HIGH SCHOOL - ATHLETIC FIELDS AND SITE IMPROVEMENTS

SHEET
C-2.1B



LEGEND:

PROPOSED

- (AB) BASE: GRIND AND RESURFACE ASPHALT ALTERNATE: NEW CONCRETE WALK
- (CW) CONCRETE WALK
- (HC) HANDICAP ACCESS RAMP
- (A) NEW ASPHALT WALK
- (AG) GRIND ASPHALT & RESURFACE 1-1/2" DEPTH
- (AG) GRIND ASPHALT & RESURFACE 1-1/2" DEPTH OR ALTERNATE NEW CONCRETE

REFER TO AS-101, S-100N, AND S-110S FOR MASONRY WALL/PIER LOCATIONS AND ADDITIONAL INFORMATION

AD.02

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

CROWN POINT HIGH SCHOOL - ATHLETIC FIELDS AND SITE IMPROVEMENTS

FOR:
CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

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DATE 08-22-22
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DRAWN BY DCT EM
CHECKED BY DCT RAT

DONALD C. TORRENCE REGISTERED No. 19868 STATE OF INDIANA PROFESSIONAL ENGINEER

REVISIONS

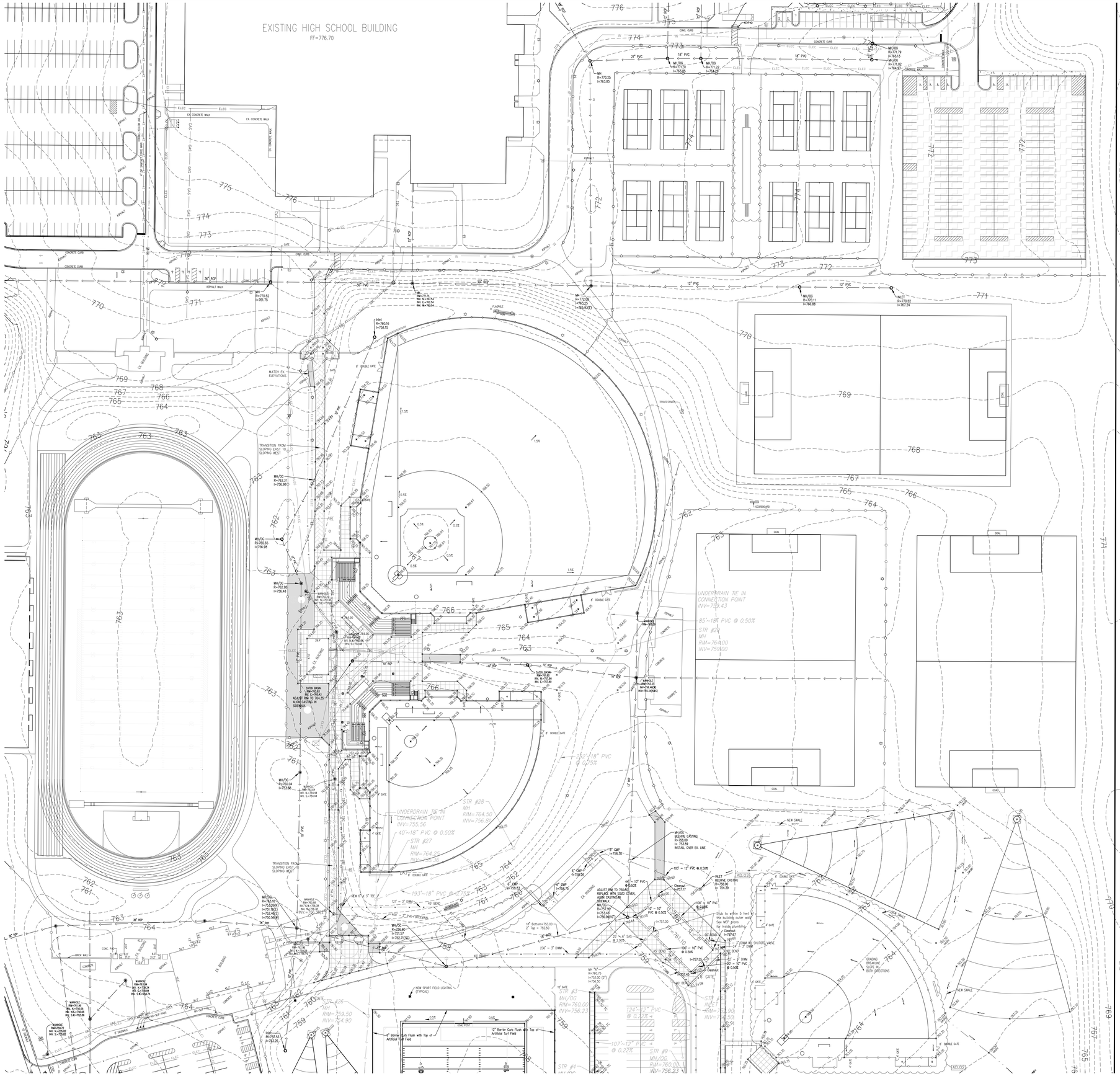
MARK	DATE	ISSUED FOR
AD.01	08/30/22	ADDENDUM NO. 01
AD.02	09/06/22	ADDENDUM NO. 02

DRAWING
SITE PLAN

PROJECT
CROWN POINT HIGH SCHOOL - ATHLETIC FIELDS AND SITE IMPROVEMENTS

SHEET C-2.2

Z:\2022-5938 Crown Point HS & Wheeler - Turf Projects\dwg\2022-5938 CP Athletics.dwg 8/21/2022 9:48:27 AM CDT



NORTH
GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

LEGEND:

EXISTING

- FLAG POLE
- SURVEY TRAVERSE POINT
- POWER POLE
- POWER POLE w/ LIGHT
- GUY WIRE W/ANCHOR
- LIGHT POLE
- SIGNS (STOP, YIELD, etc.)
- CATCH BASIN/INLET
- CURB DRAIN
- END SECTION
- MANHOLE (SANITARY)
- MANHOLE (STORM)
- MANHOLE (UNMARKED)
- CLEAN OUT
- FIRE HYDRANT
- WATER VALVE
- TELEPHONE PEDESTAL
- TELEPHONE MANHOLE
- STEEL POST/BOLLARD
- ELECTRIC MANHOLE
- ELECTRIC VAULT
- ELECTRIC OUTLET
- CABLE TV PEDESTAL
- GAS METER
- SOIL BORING W/NUMBER
- IRRIGATION CONTROL VALVE
- SPRINKLER HEAD
- MONITORING WELL
- OVERHEAD LINES
- CHAIN LINK FENCE
- STORM SEWER LINE
- SANITARY SEWER LINE
- WATER LINE
- ELEC — UNDERGROUND ELECTRIC LINE
- GAS — UNDERGROUND GAS LINE
- FOL — UNDERGROUND FIBER OPTIC LINE
- 000 — CONTOUR

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

CROWN POINT HIGH SCHOOL - ATHLETIC FIELDS AND SITE IMPROVEMENTS

FOR:
CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 21-120
DATE 08-22-22
COORDINATED BY DCT
DRAWN BY DCT EM
CHECKED BY DCT RAT

DONALD C. TORRIENTE REGISTERED No. 19868 STATE OF INDIANA PROFESSIONAL ENGINEER

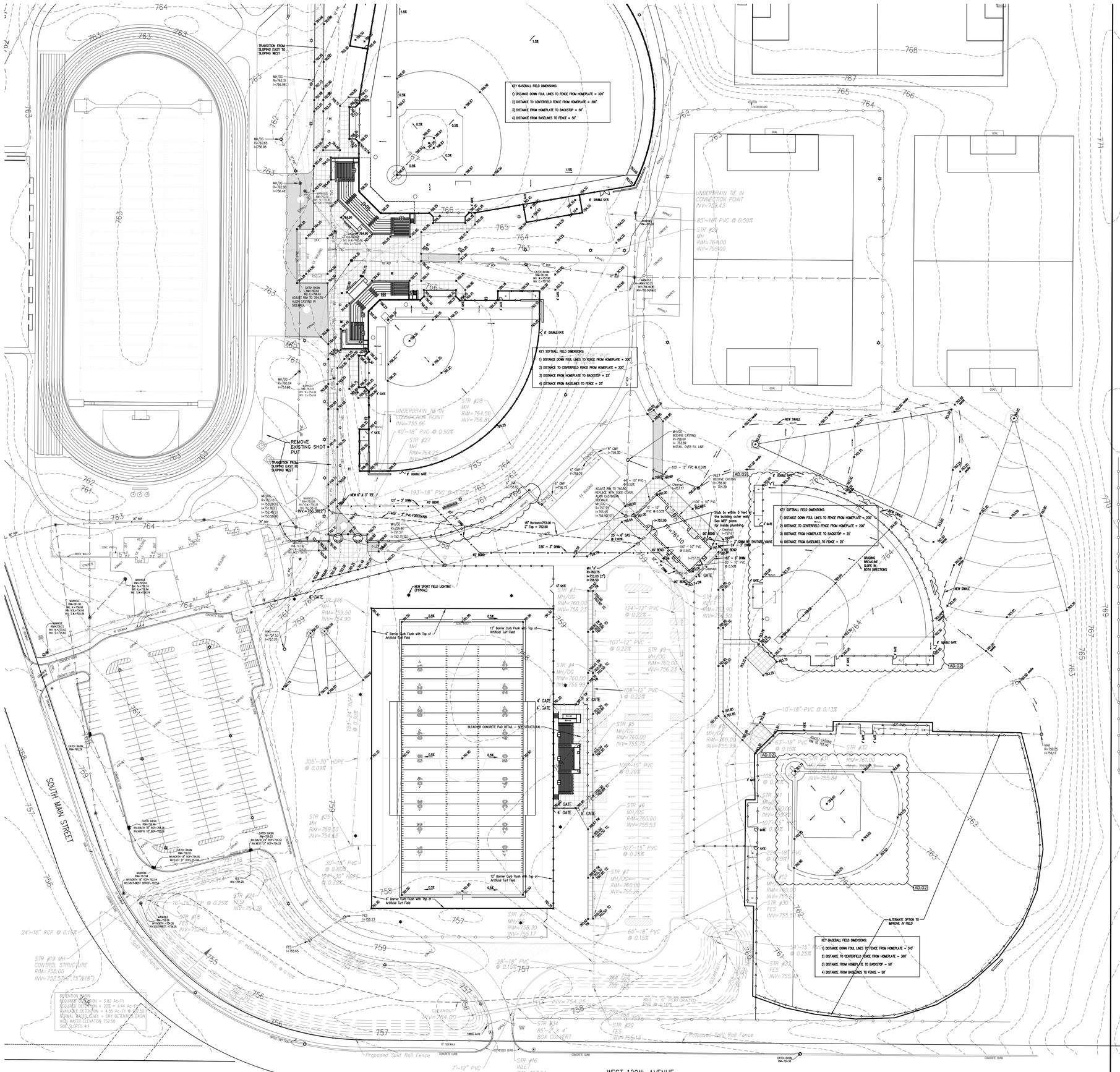
REVISIONS

MARK	DATE	ISSUED FOR
AD.02	09-07-22	ADDENDUM NUMBER 02

DRAWING
GRADING, STORM SEWERS, SANITARY SEWERS & WATER MAIN PLAN

PROJECT
CROWN POINT HIGH SCHOOL - ATHLETIC FIELDS AND SITE IMPROVEMENTS

SHEET
C-3.1



LEGEND:

EXISTING

- FLAG POLE
- SURVEY TRAVERSE POINT
- POWER POLE
- POWER POLE w/ LIGHT
- GUY WIRE W/ANCHOR
- LIGHT POLE
- SIGNS (STOP, YIELD, etc.)
- CATCH BASIN/INLET
- CURB DRAIN
- END SECTION
- MANHOLE (SANITARY)
- MANHOLE (STORM)
- MANHOLE (UNMARKED)
- CLEAN OUT
- FIRE HYDRANT
- WATER VALVE
- TELEPHONE PEDESTAL
- TELEPHONE MANHOLE
- STEEL POST/BOLLARD
- ELECTRIC MANHOLE
- ELECTRIC VAULT
- ELECTRIC OUTLET
- CABLE TV PEDESTAL
- GAS METER
- SOIL BORING W/NUMBER
- IRRIGATION CONTROL VALVE
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- OVERHEAD LINES
- CHAIN LINK FENCE
- STORM SEWER LINE
- SANITARY SEWER LINE
- WATER LINE
- UNDERGROUND ELECTRIC LINE
- UNDERGROUND GAS LINE
- UNDERGROUND FIBER OPTIC LINE
- CONTOUR

NORTH
GRAPHIC SCALE
50 0 25 50 100 200
(IN FEET)
1 inch = 50 ft.

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

CROWN POINT HIGH SCHOOL - ATHLETIC FIELDS AND SITE IMPROVEMENTS

FOR:
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9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

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CHECKED BY
DCT RAT

DONALD C. TORRENGA REGISTERED No. 19868 STATE OF INDIANA PROFESSIONAL ENGINEER

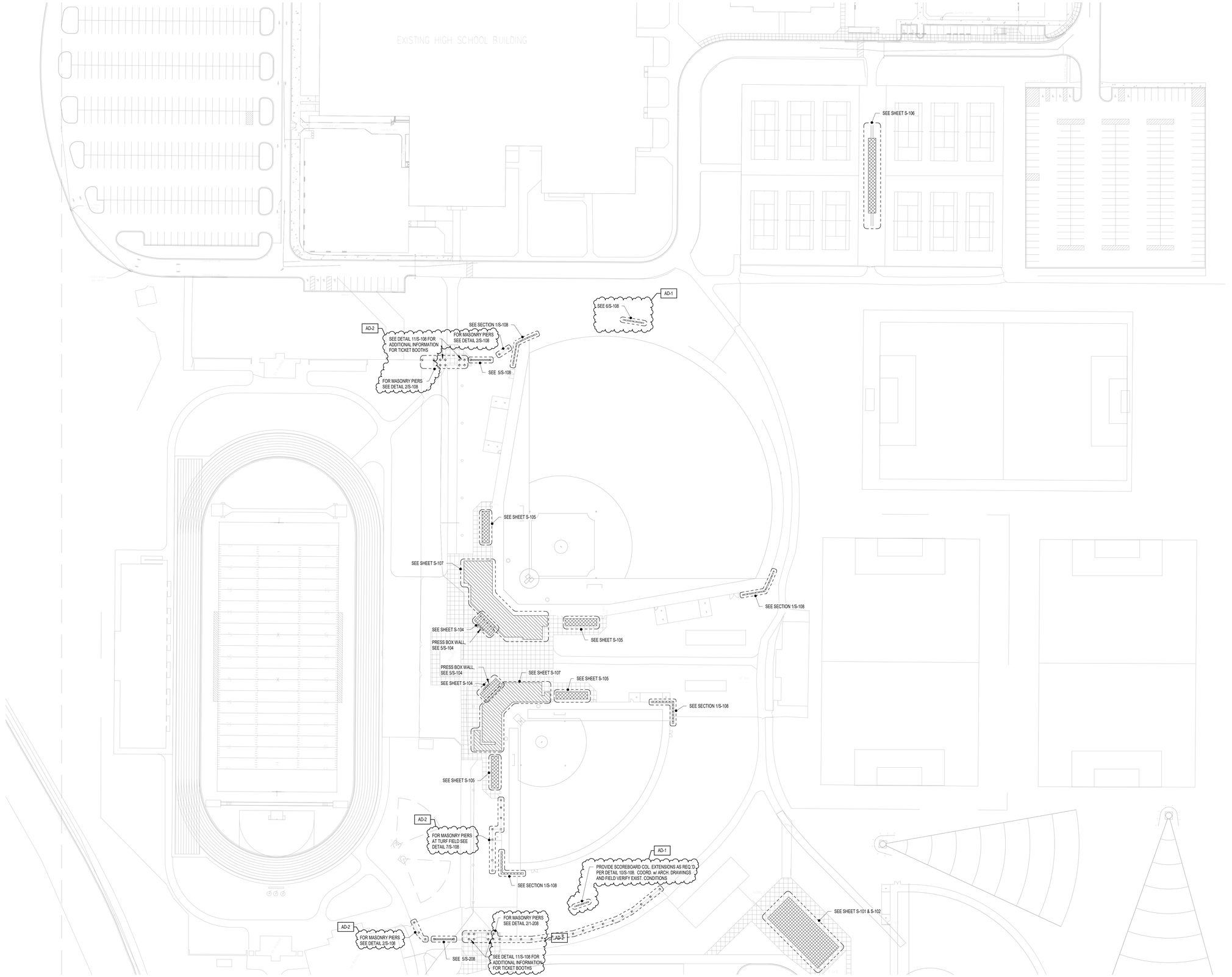
REVISIONS

MARK	DATE	ISSUED FOR
AD.02	09-07-22	ADDENDUM NUMBER 02

DRAWING
GRADING, STORM SEWERS, SANITARY SEWERS & WATER MAIN PLAN

PROJECT
CROWN POINT HIGH SCHOOL - ATHLETIC FIELDS AND SITE IMPROVEMENTS

SHEET
C-3.2



1 SITE PLAN - NORTH
1" = 50'-0"

GIBRALTAR
DESIGN
ARCHITECTURE - ENGINEERING - INTERIOR DESIGN

PROJECT

CROWN POINT HIGH SCHOOL - SPORTS SITE IMPROVEMENTS

FOR:
CROWN POINT COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 21-120
DATE 08/18/2022
COORDINATED BY SAC/NHF
DRAWN BY SAC/NHF
CHECKED BY SAC

SCOTT A. CLONE — PE10606154 — STATE OF INDIANA — REGISTERED PROFESSIONAL ENGINEER

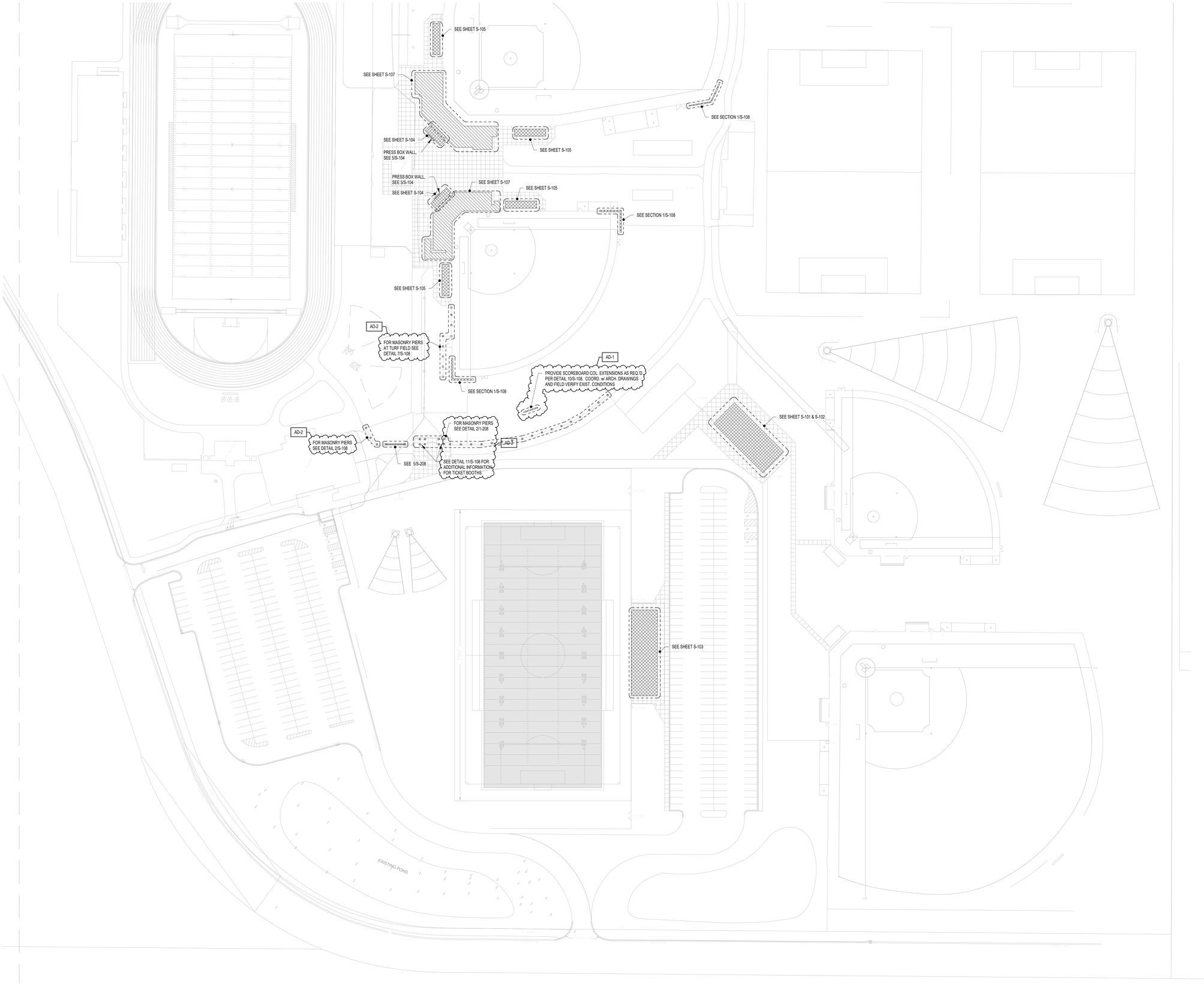
REVISIONS

MARK	DATE	ISSUED FOR
AD-1	08/30/22	ADDENDUM 1
AD-2	09/06/22	ADDENDUM 2

DRAWING
STRUCTURAL SITE KEY PLAN NORTH

PROJECT
CROWN POINT HIGH SCHOOL - SPORTS SITE IMPROVEMENTS

SHEET
S-100N



1 SITE PLAN - SOUTH
1" = 50'-0"

GIBRALTAR
DESIGN
ARCHITECTURE - ENGINEERING - INTERIOR DESIGN

PROJECT

CROWN POINT HIGH SCHOOL - SPORTS SITE IMPROVEMENTS

FOR:
CROWN POINT COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT
21-120
DATE
08/18/2022
COORDINATED BY
SAC/NHF
DRAWN BY
SAC/NHF
CHECKED BY
SAC

SCOTT A. CLOKE
PE10606154
STATE OF INDIANA
PROFESSIONAL ENGINEER

REVISIONS

MARK	DATE	ISSUED FOR
AD-1	08/30/22	ADDENDUM 1
AD-2	09/06/22	ADDENDUM 2

DRAWING
STRUCTURAL SITE KEY PLAN SOUTH

PROJECT
CROWN POINT HIGH SCHOOL - SPORTS SITE IMPROVEMENTS

SHEET
S-100S

TRENCH FOOTING SCHEDULE

AD-2

FTG. MARK	FOOTING SIZE		FOOTING REINFORCING	
	WIDTH	DEPTH	LONGITUDINAL	TRANSVERSE
TF30	2'-6"	2'-6"	(4) #6 x CONTINUOUS	#4 x 2'-0" @ 48" O.C.

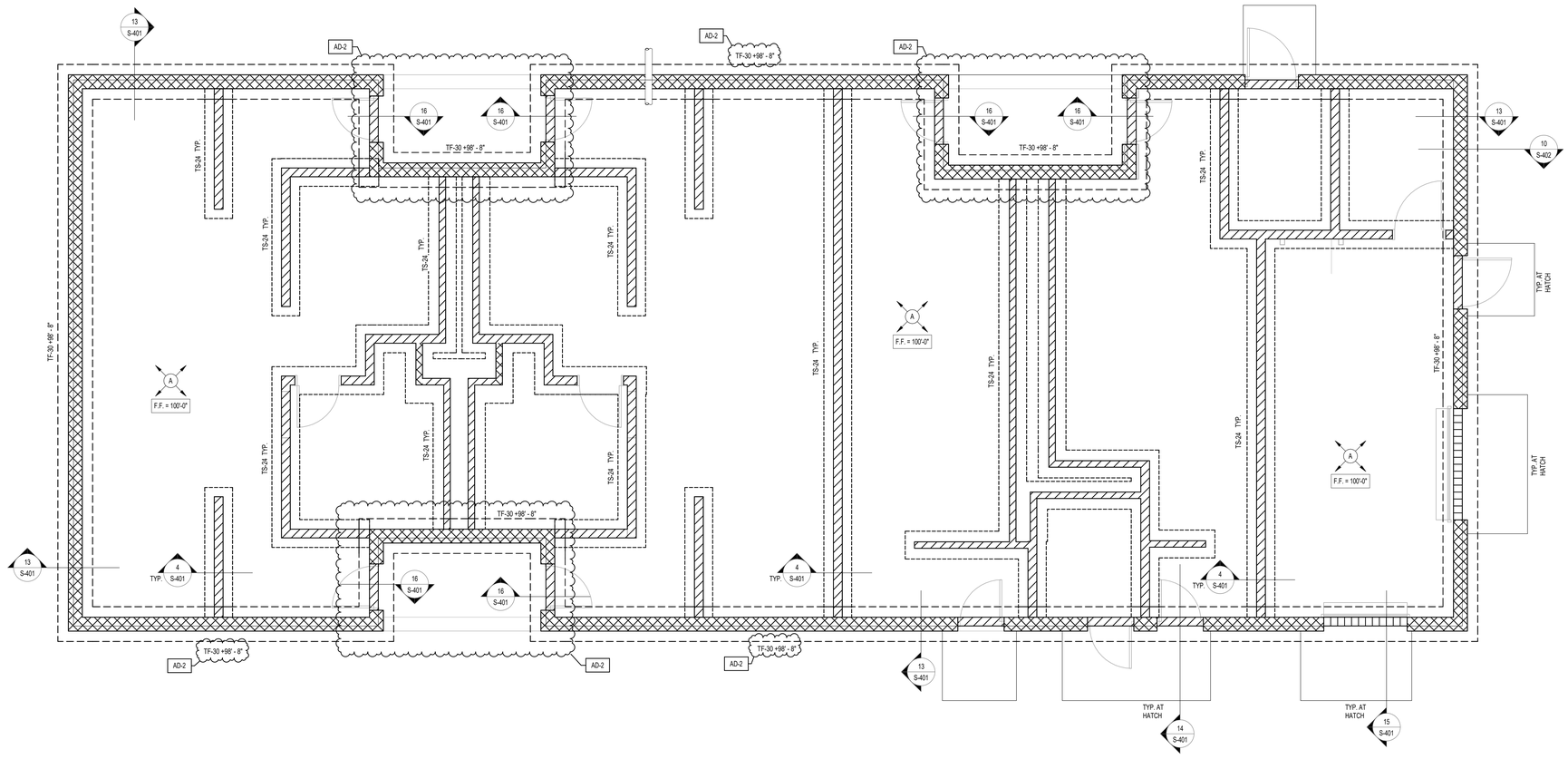
NOTES:
1. CENTER FOOTINGS BENEATH WALLS, U.N.O.
2. TRENCH FOOTINGS MAY BE CAST DIRECTLY AGAINST SOIL WITHOUT FORMING WHERE EXISTING SOIL CONDITIONS PERMIT.
3. FORM TOP OF TRENCH FOOTINGS WHERE SOIL HAS SLOUGHED SIGNIFICANTLY, WHERE GRADE IS LOWER THAN THE INDICATED TOP OF FOOTING ELEVATION, OR WHEREVER TRENCH FOOTING WOULD INTERFERE WITH THE INSTALLATION OF DOWNSPOUTS, CONDUIT, BOLLARDS, ETC. COORDINATE WITH MECHANICAL, ELECTRICAL, PLUMBING & SITE/CIVIL DRAWINGS.

FOUNDATION PLAN NOTES

1. REF. S-001 FOR STRUCTURAL NOTES, DESIGN DATA & SCHEDULES.
2. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. THE MECHANICAL, ELECTRICAL, AND PLUMBING ASPECTS ARE NOT IN THE SCOPE OF THESE DRAWINGS. THEREFORE, ALL REQUIRED MATERIALS AND WORK MAY NOT BE INDICATED.
3. COORDINATE EXACT SIZE & LOCATION OF ALL MECHANICAL OPENINGS IN FOUNDATION WALLS WITH THE MECHANICAL, ELECTRICAL & PLUMBING CONTRACTORS.
4. ALL ELEVATIONS ARE REFERENCED FROM THE FIRST FLOOR FINISH FLOOR ELEVATION, WHICH MAY VARY BUT IS INDICATED AS +100'-0" FOR REFERENCE. REFER TO THE CIVIL DRAWINGS FOR EXACT U.S.G.S. ELEVATION AT INDIVIDUAL STRUCTURES.
5. REF. ARCH. DRAWINGS FOR ALL DIMENSIONS NOT SHOWN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
   REF. S-401 FOR TYPICAL FOUNDATION DETAILS.
6. NOTE: PERIMETER WALL AND COLUMN FOOTINGS SHALL BE LOWERED AND/OR SLEEVED TO PASS BELOW PLUMBING LINES (I.E. SANITARY & STORM SEWERS, WATER LINES, ETC.) SHOWN ON THE PLUMBING DRAWINGS. PROVIDE FOOTING STEPS AS REQUIRED PER THE TYPICAL DETAILS ON S-401.
7. COORDINATE REINFORCING DOWELS FOR CMU VERTICAL REINFORCING WITH REINF. NOTED ON PLANS & SECTIONS.
8. GROUT ALL CORES OF CMU BELOW FINISH FLOOR SOLID.
9. COLUMN FOOTINGS, TRENCH FOOTINGS AND WALL FOOTINGS SHALL BEAR ON APPROVED SOILS w/ A MINIMUM BEARING CAPACITY OF 3,000 PSF.
10. PROVIDE THICKENED SLAB UNDER ALL INTERIOR CMU WALLS WITHOUT FOOTINGS. SEE 4/S-401 FOR THICKENED SLAB DETAIL. LAYOUT THICKENED SLABS FROM DIMENSIONS ON THE ARCHITECT FLOOR PLANS.
11. PROVIDE CONTROL/CONTRACTION JOINTS IN SLABS ON GRADE (REF. THE TYPICAL DETAILS ON SHEET S-401). ALL JOINTS IN SLABS TO RECEIVE THIN OR THICK-SET TERRAZZO, CERAMIC OR PORCELAIN TILE, VINYL-COMPOSITION TILE (VCT) OR VINYL SHEET GOODS, EPOXY OR SIMILAR THIN-FILM FINISH FLOORING SHALL BE CAREFULLY COORDINATED WITH THE FLOORING CONTRACTOR. THE CONTRACTOR SHALL SUBMIT SLAB JOINT LAYOUT TO ARCHITECT/ENGINEER FOR REVIEW PRIOR TO PLACING SLABS.
12. FOR ARCHITECTURAL PILASTERS NOT SUPPORTING STEEL COLUMNS, CONSTRUCT AS FULLY-GROUTED MASONRY PIERS OR CAST-IN-PLACE CONCRETE PIERS REINF'D W/ #4 VERTICAL REINFORCING AT EACH CORNER.

PLAN LEGEND:

F.F.	DENOTES FINISH FLOOR
T/'X'	DENOTES TOP OF FTG., GRADE BEAM, SLAB, PIER, ETC.
B/'X'	DENOTES BOTTOM OF FTG., GRADE BEAM, ETC.
C.J.	DENOTES SLAB ON GRADE CONTROL/CONTRACTION JOINT
GB32x24 -8'-0"	DENOTES CONCRETE GRADE BEAM SIZE & TOP OF GRADE BEAM ELEVATION (SEE SCHEDULE)
T/F.F.-0'-4" B/F.F.-4'-0"	DENOTES WALL FOOTING WITH STEPS, REF. TYP. DETAIL ON S-401
F5.0 -1'-4"	DENOTES COLUMN FOOTING MARK & TOP OF FTG. ELEVATION (SEE FTG. SCHED.)
	COLUMN FOOTING
	MASORNY BLOCK PIER
	DENOTES PIPE PENETRATION THROUGH EXTERIOR WALL. REFER TO PLUMBING DRAWINGS FOR EXACT SIZE, LOCATION, AND INVERT ELEVATION. SEE DETAILS ON SHEET S-401 FOR STEPPED FOOTINGS, SLEEVES, ETC.
A F.F. = SEE PLAN	DENOTES 4" CONC. SLAB ON GRADE w/ "FIBERFORCE 300" FIBERS @ 1.5 LB/C.Y. (OR EQUAL) & ES SYSTEM BY SPECIFICATION PRODUCTS, INC. CONSISTING OF : ES INTERNAL CURE ADMIXTURE @ 4 OZ/CWT & ES CATALYST SPRAYED ON BETWEEN 800-1,000 SF/GAL OVER 15 MIL VAPOR BARRIER, ON 6" COMPACTED GRANULAR FILL (INDOT No. 53 OR APPROVED EQUIV.)



1 FOUNDATION PLAN - COMMUNITY BUILDING
1/4" = 1'-0"

GIBRALTAR DESIGN
ARCHITECTURE - ENGINEERING - INTERIOR DESIGN

PROJECT

CROWN POINT HIGH SCHOOL - SPORTS SITE IMPROVEMENTS

FOR:
CROWN POINT COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage: www.GibraltarDesign.com
Email: info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 21-120
DATE 08/18/2022
COORDINATED BY SAC/NHF
DRAWN BY SAC/NHF
CHECKED BY SAC

SCOTT A. CLOKE — PE10606154 — STATE OF INDIANA — REGISTERED PROFESSIONAL ENGINEER

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	09/06/22	ADDENDUM 2

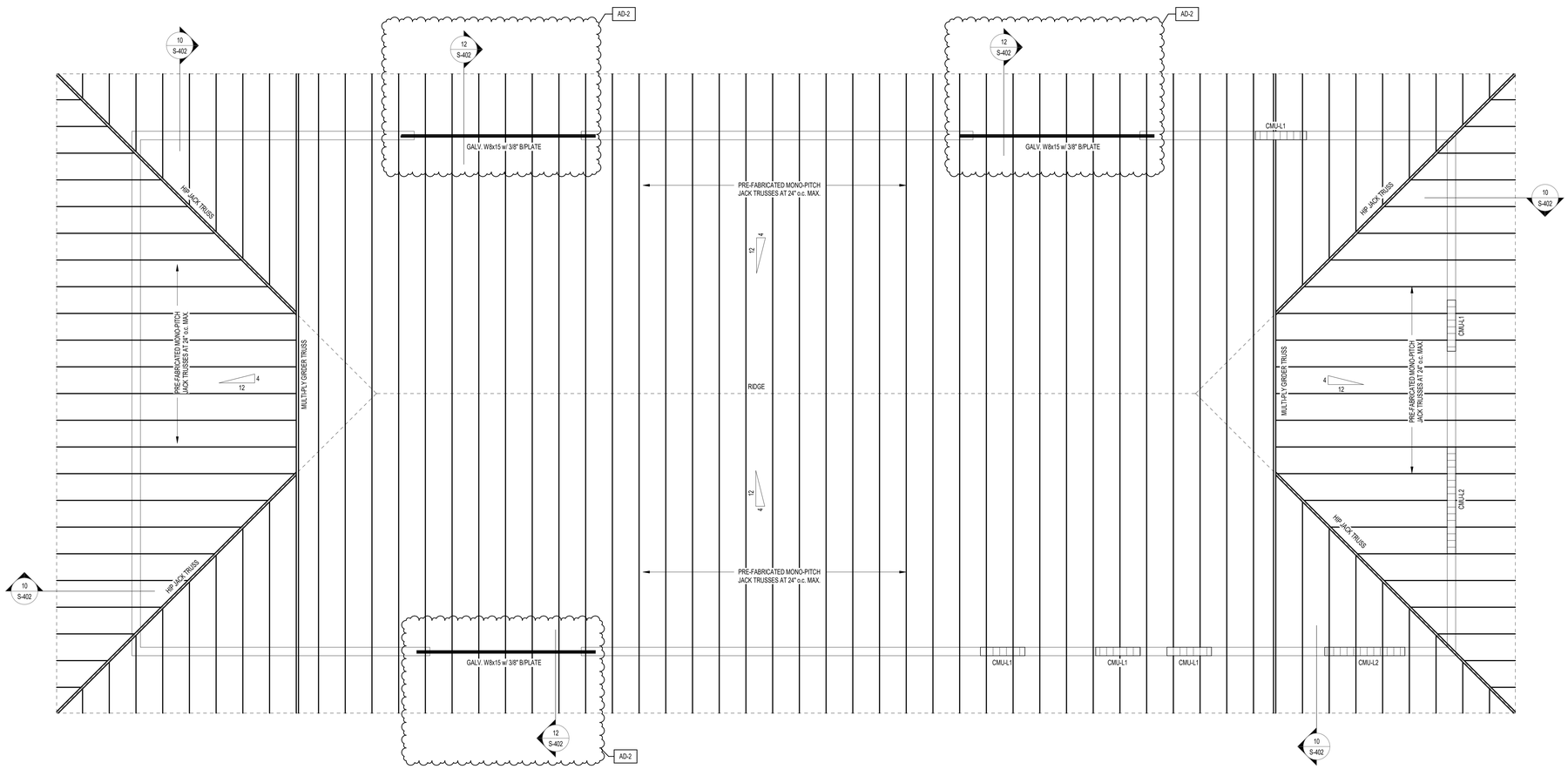
DRAWING
FOUNDATION PLAN - COMMUNITY BUILDING

PROJECT
CROWN POINT HIGH SCHOOL - SPORTS SITE IMPROVEMENTS

SHEET
S-101

FRAMING PLAN GENERAL NOTES

1. REF. S-001 SHEETS FOR STRUCTURAL NOTES, DESIGN DATA AND SCHEDULES.
2. REFERENCE THE ARCH. PLANS FOR LAYOUT OF ALL WALLS, OPENINGS, WALL TYPES, ETC. VERIFY ALL DIMENSIONS PRIOR TO SHOP DRAWINGS SUMBITTAL & IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
3. AT BEARING OF ALL GIRDER TRUSSES, TRUSS MANUFACTURER SHALL PROVIDE THE NECESSARY HARDWARE FOR ATTACHMENT TO WALLS (TOP PLATE OR MASONRY) TO RESIST THE LOADS/REACTIONS OF ALL GIRDER TRUSSES.
4. SEE THE ARCHITECTURAL DETAILS FOR ROOF TRUSS PROFILES (HEEL HEIGHTS, PITCHES, ETC.).
5. ALL ROOF PANEL SHEATHING SHALL BE 5/8", APA-RATED SHEATHING. SUITABLE EDGE SUPPORT SHALL BE PROVIDED BY USE OF PANEL CLIPS OR BLOCKING BETWEEN FRAMING UNLESS OTHERWISE NOTED. FASTEN ROOF SHEATHING WITH 8D COMMON (0.131" X 2 1/2") NAILS SPACED 6" O.C. AT SUPPORTED EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS.
6. THE TRUSS SUPPLIER MUST COORDINATE WITH M.E.P. AND SPRINKLER CONTRACTORS IN REGARD TO THE LOCATION AND WEIGHT OF ALL WATER SUPPLY MAINS AND SPRINKLER MAINS. THE TRUSSES WILL BE DESIGNED TO SUPPORT THE WEIGHT OF THESE POINT LOADS IN ADDITION TO OTHER LOADS AS SPECIFIED ON THESE PLANS. THE SPACING OF SUPPORTS FOR THESE LINES WILL BE AN IMPORTANT CONSIDERATION IN THE DESIGN OF THE TRUSSES FOR THE MAIN SUPPORT.
7. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. THE MECHANICAL, ELECTRICAL, AND PLUMBING ASPECTS ARE NOT IN THE SCOPE OF THESE DRAWINGS. THEREFORE, ALL REQUIRED MATERIALS AND WORK MAY NOT BE INDICATED.



1 ROOF FRAMING PLAN
1/4" = 1'-0"

GIBRALTAR DESIGN
ARCHITECTURE - ENGINEERING - INTERIOR DESIGN

PROJECT

CROWN POINT HIGH SCHOOL - SPORTS SITE IMPROVEMENTS

FOR:
CROWN POINT COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT
21-120
DATE
08/18/2022
COORDINATED BY
SAC
DRAWN BY
NHF
CHECKED BY
SAC

SCOTT A. CLONE
REGISTERED
PE10606154
STATE OF
INDIANA
PROFESSIONAL ENGINEER

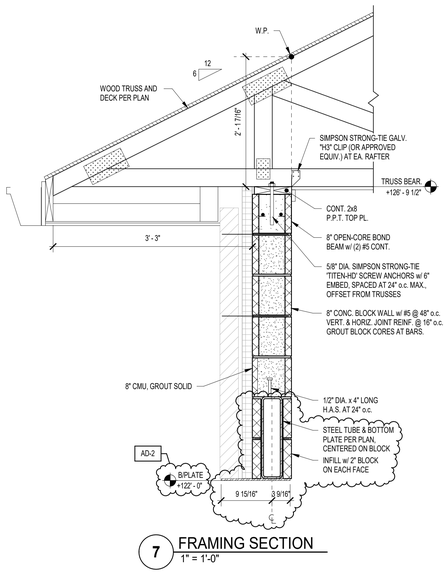
REVISIONS

MARK	DATE	ISSUED FOR
AD-2	09/06/22	ADDENDUM 2

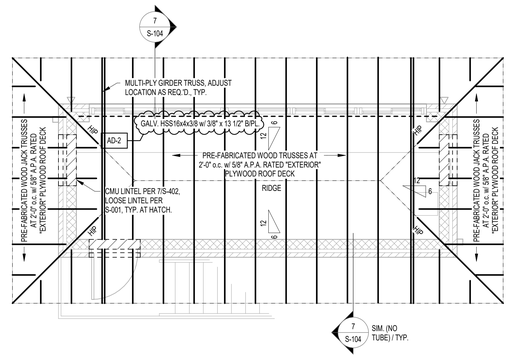
DRAWING
ROOF FRAMING PLAN - COMMUNITY BUILDING

PROJECT
CROWN POINT HIGH SCHOOL - SPORTS SITE IMPROVEMENTS

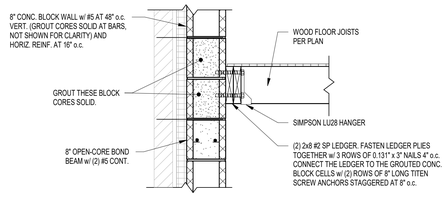
SHEET
S-102



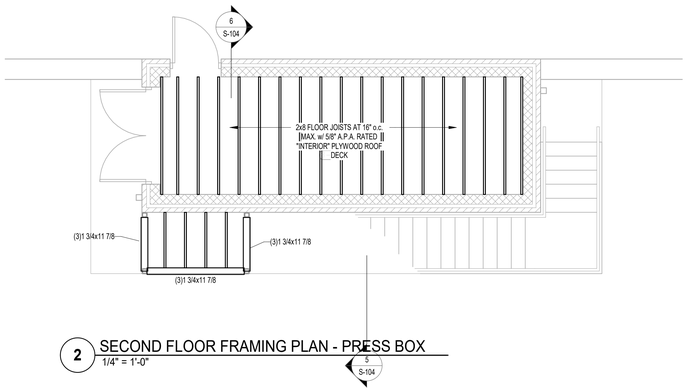
7 FRAMING SECTION
1" = 1'-0"



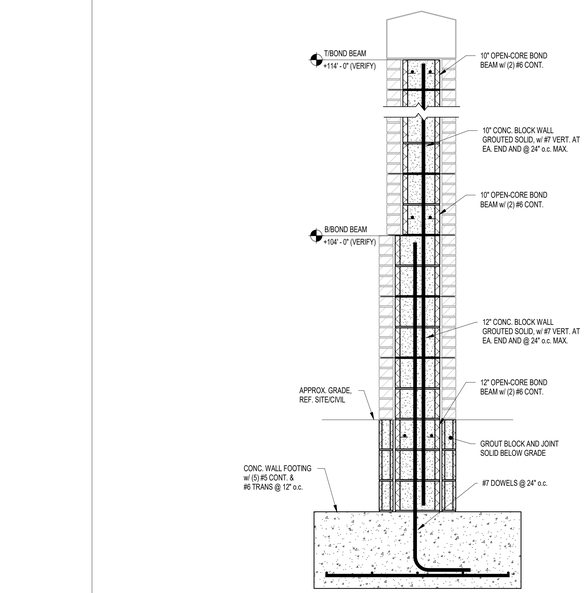
3 ROOF TRUSS BEARING - PRESS BOX
1/4" = 1'-0"



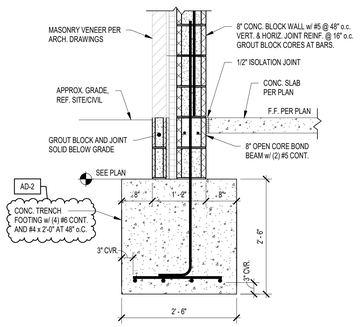
6 FRAMING SECTION - PRESS BOX 2ND FLOOR
1" = 1'-0"



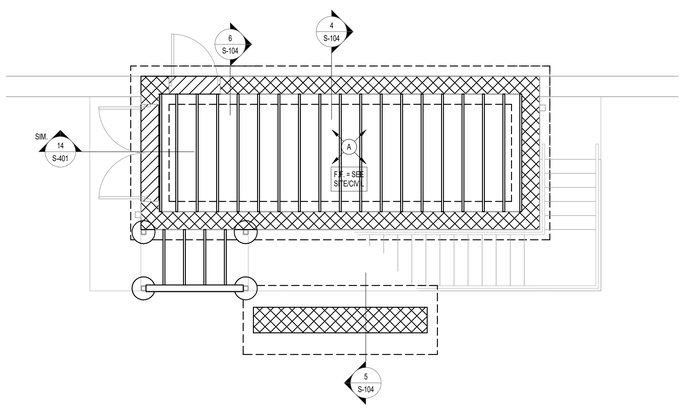
2 SECOND FLOOR FRAMING PLAN - PRESS BOX
1/4" = 1'-0"



5 FOUNDATION SECTION - WALL AT PRESS BOX
3/4" = 1'-0"



4 FOUNDATION SECTION - PRESS BOX PERIMETER
3/4" = 1'-0"



1 FOUNDATION PLAN - PRESS BOX
1/4" = 1'-0"

FRAMING PLAN GENERAL NOTES

1. REF. S-001 SHEETS FOR STRUCTURAL NOTES, DESIGN DATA AND SCHEDULES.
2. REFERENCE THE ARCH. PLANS FOR LAYOUT OF ALL WALLS, OPENINGS, WALL TYPES, ETC. VERIFY ALL DIMENSIONS PRIOR TO SHOP DRAWINGS SUMBITTAL & IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
3. AT BEARING OF ALL GIRDER TRUSSES, TRUSS MANUFACTURER SHALL PROVIDE THE NECESSARY HARDWARE FOR ATTACHMENT TO WALLS (TOP PLATE OR MASONRY) TO RESIST THE LOADS/REACTIONS OF ALL GIRDER TRUSSES.
4. SEE THE ARCHITECTURAL DETAILS FOR ROOF TRUSS PROFILES (HEEL HEIGHTS, PITCHES, ETC.).
5. ALL ROOF PANEL SHEATHING SHALL BE 5/8", APA-RATED SHEATHING. SUITABLE EDGE SUPPORT SHALL BE PROVIDED BY USE OF PANEL CLIPS OR BLOCKING BETWEEN FRAMING UNLESS OTHERWISE NOTED. FASTEN ROOF SHEATHING WITH 8D COMMON (0.131" X 2 1/2") NAILS SPACED 6" O.C. AT SUPPORTED EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS.
6. THE TRUSS SUPPLIER MUST COORDINATE WITH M.E.P. AND SPRINKLER CONTRACTORS IN REGARD TO THE LOCATION AND WEIGHT OF ALL WATER SUPPLY MAINS AND SPRINKLER MAINS. THE TRUSSES WILL BE DESIGNED TO SUPPORT THE WEIGHT OF THESE POINT LOADS IN ADDITION TO OTHER LOADS AS SPECIFIED ON THESE PLANS. THE SPACING OF SUPPORTS FOR THESE LINES WILL BE AN IMPORTANT CONSIDERATION IN THE DESIGN OF THE TRUSSES FOR THE MAIN SUPPORT.
7. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. THE MECHANICAL, ELECTRICAL, AND PLUMBING ASPECTS ARE NOT IN THE SCOPE OF THESE DRAWINGS. THEREFORE, ALL REQUIRED MATERIALS AND WORK MAY NOT BE INDICATED.

FOUNDATION PLAN NOTES

1. REF. S-001 FOR STRUCTURAL NOTES, DESIGN DATA & SCHEDULES.
2. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. THE MECHANICAL, ELECTRICAL, AND PLUMBING ASPECTS ARE NOT IN THE SCOPE OF THESE DRAWINGS. THEREFORE, ALL REQUIRED MATERIALS AND WORK MAY NOT BE INDICATED.
3. COORDINATE EXACT SIZE & LOCATION OF ALL MECHANICAL OPENINGS IN FOUNDATION WALLS WITH THE MECHANICAL, ELECTRICAL & PLUMBING CONTRACTORS.
4. ALL ELEVATIONS ARE REFERENCED FROM THE FIRST FLOOR FINISH FLOOR ELEVATION, WHICH MAY VARY BUT IS INDICATED AS +100'-0" FOR REFERENCE. REFER TO THE CIVIL DRAWINGS FOR EXACT U.S.G.S. ELEVATION AT INDIVIDUAL STRUCTURES.
5. REF. ARCH. DRAWINGS FOR ALL DIMENSIONS NOT SHOWN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES. REF. S-401 FOR TYPICAL FOUNDATION DETAILS.
6. NOTE: PERIMETER WALL AND COLUMN FOOTINGS SHALL BE LOWERED AND/OR SLEEVED TO PASS BELOW PLUMBING LINES (I.E. SANITARY & STORM SEWERS, WATER LINES, ETC.) SHOWN ON THE PLUMBING DRAWINGS. PROVIDE FOOTING STEPS AS REQUIRED PER THE TYPICAL DETAILS ON S-401.
7. COORDINATE REINFORCING DOWELS FOR CMU VERTICAL REINFORCING WITH REINF. NOTED ON PLANS & SECTIONS.
8. GROUT ALL CORES OF CMU BELOW FINISH FLOOR SOLID.
9. COLUMN FOOTINGS, TRENCH FOOTINGS AND WALL FOOTINGS SHALL BEAR ON APPROVED SOILS w/ A MINIMUM BEARING CAPACITY OF 3,000 PSF.
10. PROVIDE THICKENED SLAB UNDER ALL INTERIOR CMU WALLS WITHOUT FOOTINGS. SEE 4/S-401 FOR THICKENED SLAB DETAIL. LAYOUT THICKENED SLABS FROM DIMENSIONS ON THE ARCHITECT FLOOR PLANS.
11. PROVIDE CONTROL/CONTRACTION JOINTS IN SLABS ON GRADE (REF. THE TYPICAL DETAILS ON SHEET S-401). ALL JOINTS IN SLABS TO RECEIVE THIN OR THICK-SET TERRAZZO, CERAMIC OR PORCELAIN TILE, VINYL-COMPOSITION TILE (VCT) OR VINYL SHEET GOODS, EPOXY OR SIMILAR THIN-FILM FINISH FLOORING SHALL BE CAREFULLY COORDINATED WITH THE FLOORING CONTRACTOR. THE CONTRACTOR SHALL SUBMIT SLAB JOINT LAYOUT TO ARCHITECT/ENGINEER FOR REVIEW PRIOR TO PLACING SLABS.
12. FOR ARCHITECTURAL PILASTERS NOT SUPPORTING STEEL COLUMNS, CONSTRUCT AS FULLY-GROUTED MASONRY PIERS OR CAST-IN-PLACE CONCRETE PIERS REINF'D W/ #4 VERTICAL REINFORCING AT EACH CORNER.

PLAN LEGEND:

- F.F. — DENOTES FINISH FLOOR
- T/'X' — DENOTES TOP OF FTG., GRADE BEAM, SLAB, PIER, ETC.
- B/'X' — DENOTES BOTTOM OF FTG., GRADE BEAM, ETC.
- C.J. — DENOTES SLAB ON GRADE CONTROL/CONTRACTION JOINT
- GB32x24 -8'-0" — DENOTES CONCRETE GRADE BEAM SIZE & TOP OF GRADE BEAM ELEVATION (SEE SCHEDULE)
- T/F -2'-0" / T/F -4'-0" / T/F -5'-4" — DENOTES WALL FOOTING WITH STEPS, REF. TYP. DETAIL ON S-401
- F5.0 -1'-4" — DENOTES COLUMN FOOTING MARK & TOP OF FTG. ELEVATION (SEE FTG. SCHED.) — COLUMN FOOTING — MASONRY BLOCK PIER
- DENOTES PIPE PENETRATION THROUGH EXTERIOR WALL. REFER TO PLUMBING DRAWINGS FOR EXACT SIZE, LOCATION, AND INVERT ELEVATION. SEE DETAILS ON SHEET S-401 FOR STEPPED FOOTINGS, SLEEVES, ETC.
- A / F.F. = SEE PLAN — DENOTES 4" CONC. SLAB ON GRADE w/ "FIBERFORCE 300" FIBERS @ 1.5 LB/C.Y. (OR EQUAL) & E5 SYSTEM BY SPECIFICATION PRODUCTS, INC. CONSISTING OF : E5 INTERNAL CURE ADMIXTURE @ 4 OZ/CWT & E5 CATALYST SPRAYED ON BETWEEN 800-1,000 SF/GAL OVER 15 MIL VAPOR BARRIER, ON 6" COMPACTED GRANULAR FILL (INDOT No. 53 OR APPROVED EQUIV.)

GIBRALTAR DESIGN
ARCHITECTURE - ENGINEERING - INTERIOR DESIGN

PROJECT

CROWN POINT HIGH SCHOOL - SPORTS SITE IMPROVEMENTS

FOR:
CROWN POINT COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 21-120
DATE 08/18/2022
COORDINATED BY SAC/NHF
DRAWN BY SAC/NHF
CHECKED BY SAC

SCOTT A. CLORE — REGISTERED — PE10606154 — STATE OF INDIANA — PROFESSIONAL ENGINEER

REVISIONS

MARK	DATE	ISSUED FOR
AD-1	08/30/22	ADDENDUM 1
AD-2	09/06/22	ADDENDUM 2

DRAWING
STRUCTURAL PLANS AND DETAILS - PRESS BOX

PROJECT
CROWN POINT HIGH SCHOOL - SPORTS SITE IMPROVEMENTS

SHEET
S-104

FRAMING PLAN GENERAL NOTES

1. REF. S-001 SHEETS FOR STRUCTURAL NOTES, DESIGN DATA AND SCHEDULES.
2. REFERENCE THE ARCH. PLANS FOR LAYOUT OF ALL WALLS, OPENINGS, WALL TYPES, ETC. VERIFY ALL DIMENSIONS PRIOR TO SHOP DRAWINGS SUMBITTAL & IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
3. AT BEARING OF ALL GIRDER TRUSSES, TRUSS MANUFACTURER SHALL PROVIDE THE NECESSARY HARDWARE FOR ATTACHMENT TO WALLS (TOP PLATE OR MASONRY) TO RESIST THE LOADS/REACTIONS OF ALL GIRDER TRUSSES.
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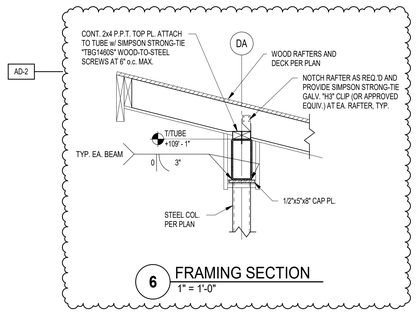
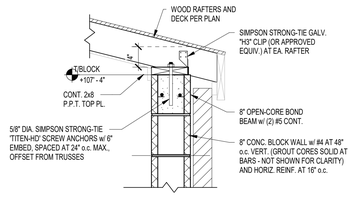


6 FRAMING SECTION
1" = 1'-0"



5 FRAMING SECTION
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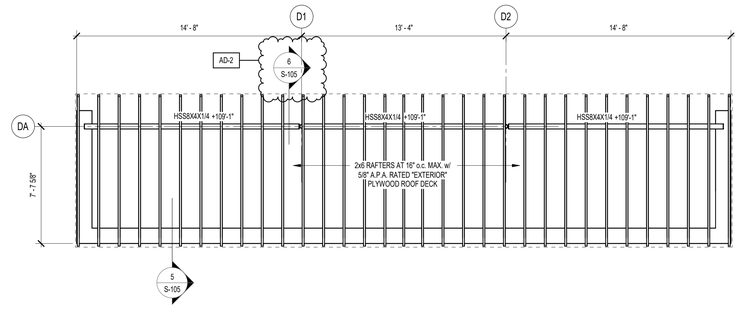


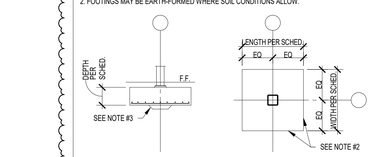
2 ROOF FRAMING PLAN - DUGOUTS
1/4" = 1'-0"

COLUMN FOOTING SCHEDULE

FOOTING MARK	FOOTING SIZE WIDTH x LENGTH x DEPTH			REINFORCING (EACH WAY)
F2.0	2'-0"	2'-0"	2'-6"	(3) #5 x 2'-0", TOP AND BOT.

NOTES:

1. CENTER FOOTINGS BENEATH COLUMNS, U.N.O.
2. FOOTINGS MAY BE EARTH-FORMED WHERE SOIL CONDITIONS ALLOW.



FOUNDATION PLAN NOTES

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4. ALL ELEVATIONS ARE REFERENCED FROM THE FIRST FLOOR FINISH FLOOR ELEVATION, WHICH MAY VARY BUT IS INDICATED AS +100'-0" FOR REFERENCE. REFER TO THE CIVIL DRAWINGS FOR EXACT U.S.G.S. ELEVATION AT INDIVIDUAL STRUCTURES.
5. REF. ARCH. DRAWINGS FOR ALL DIMENSIONS NOT SHOWN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
   REF. S-401 FOR TYPICAL FOUNDATION DETAILS.
6. NOTE: PERIMETER WALL AND COLUMN FOOTINGS SHALL BE LOWERED AND/OR SLEEVED TO PASS BELOW PLUMBING LINES (I.E. SANITARY & STORM SEWERS, WATER LINES, ETC.) SHOWN ON THE PLUMBING DRAWINGS. PROVIDE FOOTING STEPS AS REQUIRED PER THE TYPICAL DETAILS ON S-401.
7. COORDINATE REINFORCING DOWELS FOR CMU VERTICAL REINFORCING WITH REINF. NOTED ON PLANS & SECTIONS.
8. GROUT ALL CORES OF CMU BELOW FINISH FLOOR SOLID.
9. COLUMN FOOTINGS, TRENCH FOOTINGS AND WALL FOOTINGS SHALL BEAR ON APPROVED SOILS w/ A MINIMUM BEARING CAPACITY OF 3,000 PSF.
10. PROVIDE THICKENED SLAB UNDER ALL INTERIOR CMU WALLS WITHOUT FOOTINGS. SEE 4/S-401 FOR THICKENED SLAB DETAIL. LAYOUT THICKENED SLABS FROM DIMENSIONS ON THE ARCHITECT FLOOR PLANS.
11. PROVIDE CONTROL/CONTRACTION JOINTS IN SLABS ON GRADE (REF. THE TYPICAL DETAILS ON SHEET S-401). ALL JOINTS IN SLABS TO RECEIVE THIN OR THICK-SET TERRAZZO, CERAMIC OR PORCELAIN TILE, VINYL-COMPOSITION TILE (VCT) OR VINYL SHEET GOODS, EPOXY OR SIMILAR THIN-FILM FINISH FLOORING SHALL BE CAREFULLY COORDINATED WITH THE FLOORING CONTRACTOR. THE CONTRACTOR SHALL SUBMIT SLAB JOINT LAYOUT TO ARCHITECT/ENGINEER FOR REVIEW PRIOR TO PLACING SLABS.
12. FOR ARCHITECTURAL PILASTERS NOT SUPPORTING STEEL COLUMNS, CONSTRUCT AS FULLY-GROUTED MASONRY PIERS OR CAST-IN-PLACE CONCRETE PIERS REINF'D W/ #4 VERTICAL REINFORCING AT EACH CORNER.

PLAN LEGEND:

F.F.	DENOTES FINISH FLOOR
T/'X'	DENOTES TOP OF FTG., GRADE BEAM, SLAB, PIER, ETC.
B/'X'	DENOTES BOTTOM OF FTG., GRADE BEAM, ETC.
C.J.	DENOTES SLAB ON GRADE CONTROL/CONTRACTION JOINT
GB32x24 -8'-0"	DENOTES CONCRETE GRADE BEAM SIZE & TOP OF GRADE BEAM ELEVATION (SEE SCHEDULE)
TF-2'-6" TF-4'-0" TF-5'-4"	DENOTES WALL FOOTING WITH STEPS, REF. TYP. DETAIL ON S-401
F5.0 -1'-4"	DENOTES COLUMN FOOTING MARK & TOP OF FTG. ELEVATION (SEE FTG. SCHED.)
COLUMN FOOTING / MASONRY BLOCK PIER	
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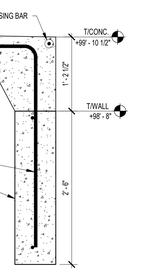
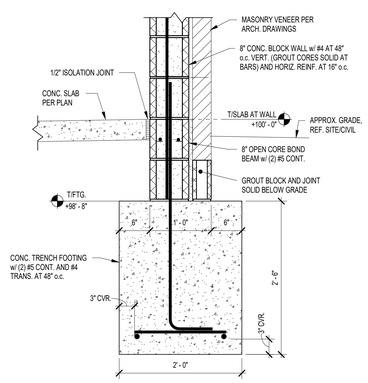
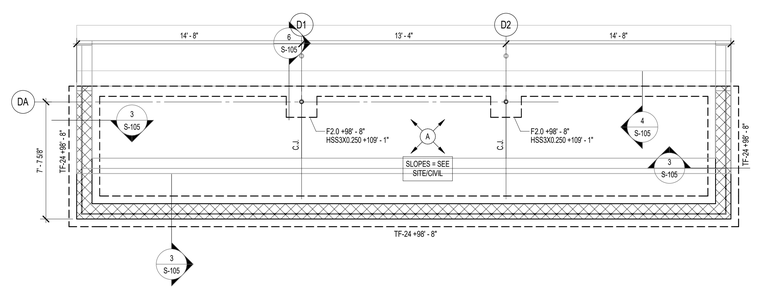


4 FOUNDATION SECTION
1" = 1'-0"



3 FOUNDATION SECTION
1" = 1'-0"



1 FOUNDATION PLAN - DUGOUTS
1/4" = 1'-0"

GIBRALTAR DESIGN
ARCHITECTURE - ENGINEERING - INTERIOR DESIGN

PROJECT

CROWN POINT HIGH SCHOOL - SPORTS SITE IMPROVEMENTS

FOR:
CROWN POINT COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage: www.GibraltarDesign.com
Email: info@GibraltarDesign.com
Phone: 317.580.5777 Fax: 317.580.5778

PROJECT 21-120
DATE 08/18/2022
COORDINATED BY SAC/NHF
DRAWN BY SAC/NHF
CHECKED BY SAC

SCOTT A. CLONE — PE10600154 — STATE OF INDIANA — REGISTERED PROFESSIONAL ENGINEER

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	09/06/22	ADDENDUM 2

DRAWING
STRUCTURAL PLANS AND DETAILS - DUGOUTS

PROJECT
CROWN POINT HIGH SCHOOL - SPORTS SITE IMPROVEMENTS

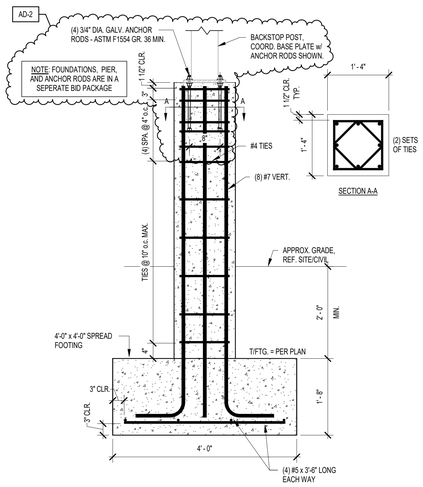
SHEET
S-105

FOUNDATION PLAN NOTES

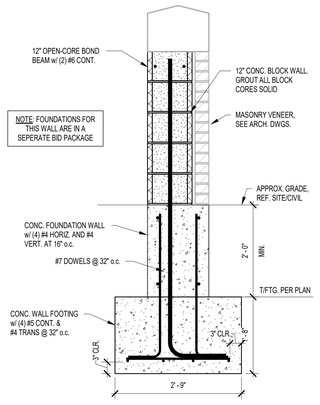
1. REF. S-001 FOR STRUCTURAL NOTES, DESIGN DATA & SCHEDULES.
2. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. THE MECHANICAL, ELECTRICAL, AND PLUMBING ASPECTS ARE NOT IN THE SCOPE OF THESE DRAWINGS. THEREFORE, ALL REQUIRED MATERIALS AND WORK MAY NOT BE INDICATED.
3. COORDINATE EXACT SIZE & LOCATION OF ALL MECHANICAL OPENINGS IN FOUNDATION WALLS WITH THE MECHANICAL, ELECTRICAL & PLUMBING CONTRACTORS.
4. ALL ELEVATIONS ARE REFERENCED FROM THE FIRST FLOOR FINISH FLOOR ELEVATION 100'-0". REFER TO THE CIVIL DRAWINGS FOR EXACT U.S.G.S. ELEV.
5. REF. ARCH. DRAWINGS FOR ALL DIMENSIONS NOT SHOWN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
6. REF. S-401 FOR TYPICAL FOUNDATION DETAILS.
6. NOTE: PERIMETER WALL AND COLUMN FOOTINGS SHALL BE LOWERED AND/OR SLEEVED TO PASS BELOW PLUMBING LINES (I.E. SANITARY & STORM SEWERS, WATER LINES, ETC.) SHOWN ON THE PLUMBING DRAWINGS. PROVIDE FOOTING STEPS AS REQUIRED PER THE TYPICAL DETAILS ON S-401.
7. COORDINATE REINFORCING DOWELS FOR CMU VERTICAL REINFORCING WITH REINF. NOTED ON PLANS & SECTIONS.
8. GROUT ALL CORES OF CMU BELOW FINISH FLOOR SOLID.
9. COLUMN FOOTINGS, TRENCH FOOTINGS AND WALL FOOTINGS SHALL BEAR ON APPROVED SOILS w/ A MINIMUM BEARING CAPACITY OF 3,000 PSF.
10. PROVIDE THICKENED SLAB UNDER ALL INTERIOR CMU WALLS WITHOUT FOOTINGS. SEE 4/S-401 FOR THICKENED SLAB DETAIL. LAYOUT THICKENED SLABS FROM DIMENSIONS ON THE ARCHITECT FLOOR PLANS.
11. PROVIDE CONTROL/CONTRACTION JOINTS IN SLABS ON GRADE (REF. THE TYPICAL DETAILS ON SHEET S-401). ALL JOINTS IN SLABS TO RECEIVE THIN OR THICK-SET TERRAZZO, CERAMIC OR PORCELAIN TILE, VINYL-COMPOSITION TILE (VCT) OR VINYL SHEET GOODS, EPOXY OR SIMILAR THIN-FILM FINISH FLOORING SHALL BE CAREFULLY COORDINATED WITH THE FLOORING CONTRACTOR. THE CONTRACTOR SHALL SUBMIT SLAB JOINT LAYOUT TO ARCHITECT/ENGINEER FOR REVIEW PRIOR TO PLACING SLABS.
12. FOR ARCHITECTURAL PILASTERS NOT SUPPORTING STEEL COLUMNS, CONSTRUCT AS FULLY-GROUTED MASONRY PIERS OR CAST-IN-PLACE CONCRETE PIERS REINF'D W/ #4 VERTICAL REINFORCING AT EACH CORNER.

PLAN LEGEND:

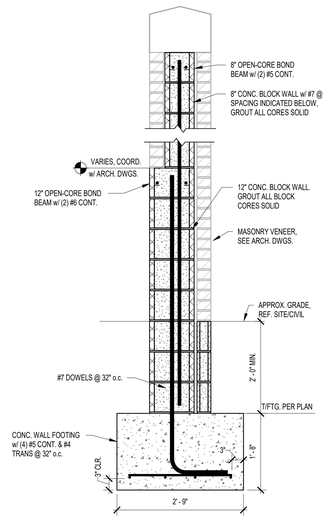
- F.F. — DENOTES FINISH FLOOR
- T/'X' — DENOTES TOP OF FTG., GRADE BEAM, SLAB, PIER, ETC.
- B/'X' — DENOTES BOTTOM OF FTG., GRADE BEAM, ETC.
- C.J. — DENOTES SLAB ON GRADE CONTROL/CONTRACTION JOINT
- GB30x24 -8'-0" — DENOTES CONCRETE GRADE BEAM SIZE & TOP OF GRADE BEAM ELEVATION (SEE SCHEDULE)
- T/F.S.-0'-0" / T/F.-0'-0" / T/F.-0'-6" / T/F.-5'-6" — DENOTES WALL FOOTING WITH STEPS, REF. TYP. DETAIL ON S-401
- F5.0 -1'-4" — DENOTES COLUMN FOOTING MARK & TOP OF FTG. ELEVATION (SEE FTG. SCHED.)
- COLUMN FOOTING / MASONRY BLOCK PIER
- DENOTES PIPE PENETRATION THROUGH EXTERIOR WALL. REFER TO PLUMBING DRAWINGS FOR EXACT SIZE, LOCATION, AND INVERT ELEVATION. SEE DETAILS ON SHEET S-401 FOR STEPPED FOOTINGS, SLEEVES, ETC.
- A / F.F. = SEE PLAN — DENOTES 4" CONC. SLAB ON GRADE w/ "FIBERFORCE 300" FIBERS @ 1.5 LB/C.Y. (OR EQUAL) & ES SYSTEM BY SPECIFICATION PRODUCTS, INC. CONSISTING OF : ES INTERNAL CURE ADMIXTURE @ 4 OZ/CWT & ES CATALYST SPRAYED ON BETWEEN 800-1,000 SF/GAL OVER 15 MIL VAPOR BARRIER, ON 6" COMPACTED GRANULAR FILL (INDOT No. 53 OR APPROVED EQUIV.)



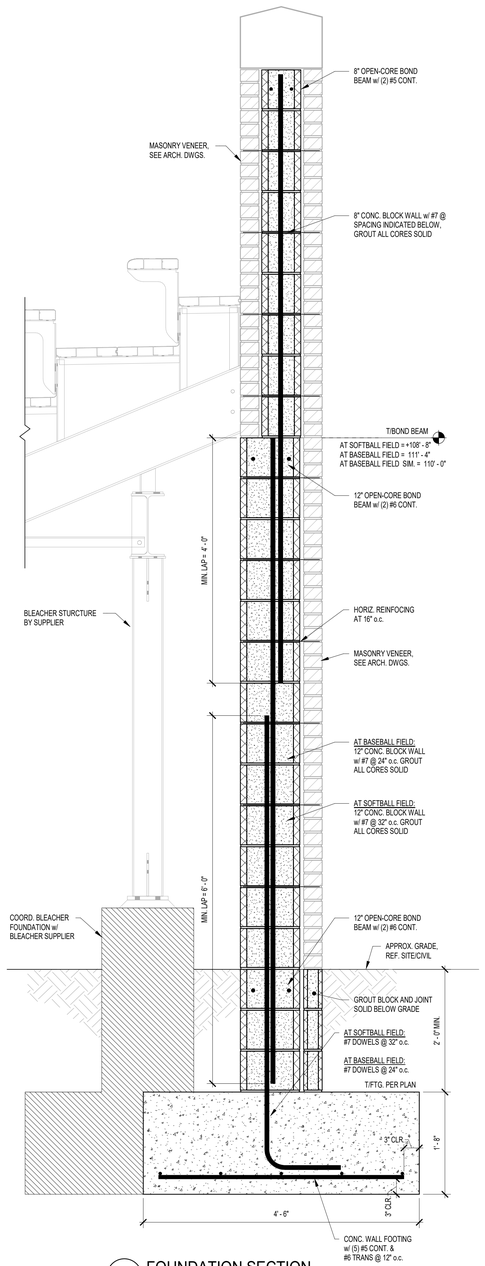
6 FOUNDATION SECTION
3/4" = 1'-0"



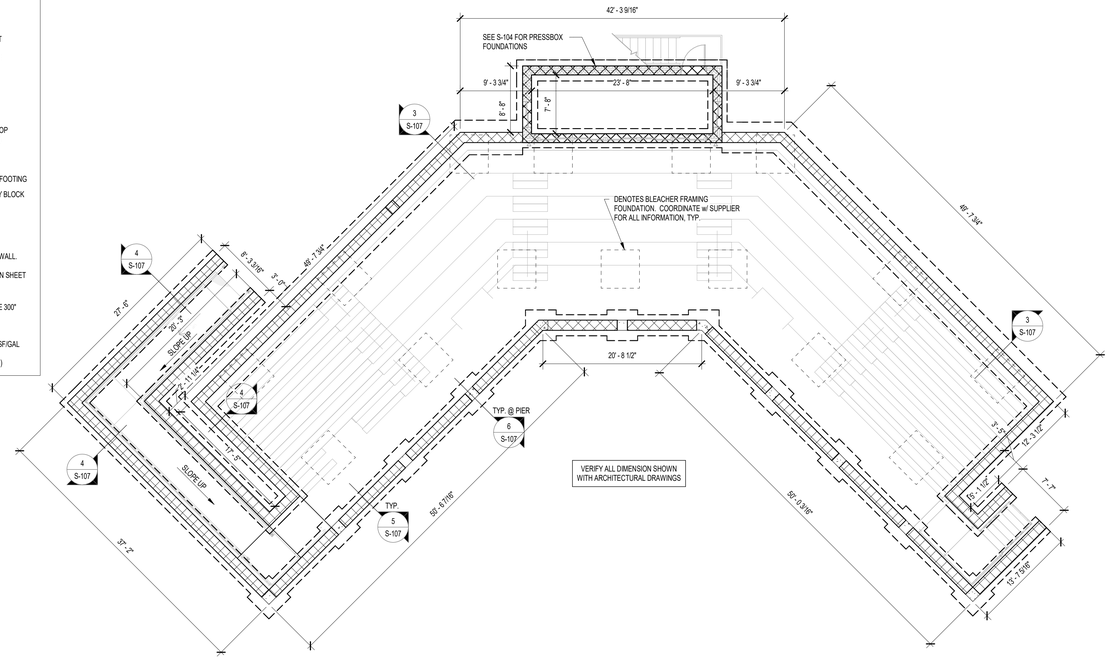
5 FOUNDATION SECTION
3/4" = 1'-0"



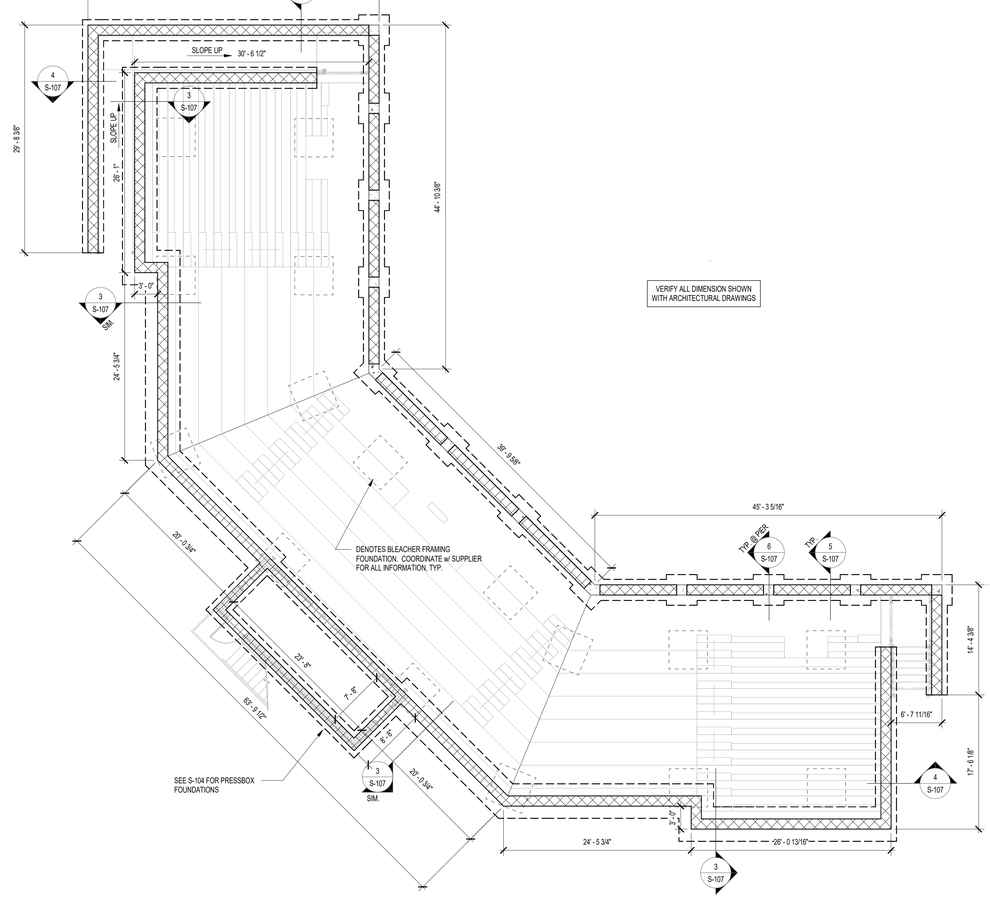
4 FOUNDATION SECTION
3/4" = 1'-0"



3 FOUNDATION SECTION
1" = 1'-0"



2 FOUNDATION PLAN - SOFTBALL
1/8" = 1'-0"



1 FOUNDATION PLAN - BASEBALL
1/8" = 1'-0"

GIBRALTAR DESIGN
ARCHITECTURE - ENGINEERING - INTERIOR DESIGN

PROJECT

CROWN POINT HIGH SCHOOL - SPORTS SITE IMPROVEMENTS

FOR:
CROWN POINT COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 21-120
DATE 08/18/2022
COORDINATED BY SAC/NHF
DRAWN BY SAC/NHF
CHECKED BY SAC

SCOTT A. CLORE — REGISTERED — PE10606154 — STATE OF INDIANA — PROFESSIONAL ENGINEER

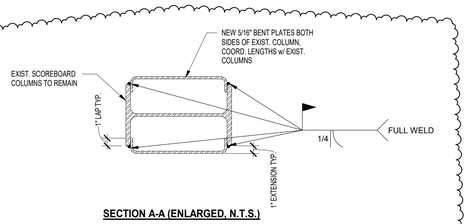
REVISIONS

MARK	DATE	ISSUED FOR
AD-2	09/06/22	ADDENDUM 2

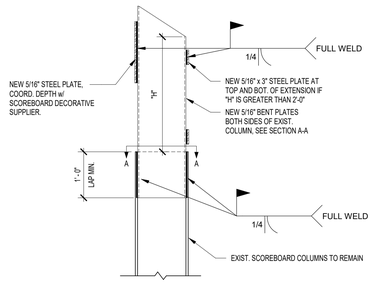
DRAWING
STRUCTURAL PLANS AND DETAILS - BASEBALL/SOFTBALL SEATING

PROJECT
CROWN POINT HIGH SCHOOL - SPORTS SITE IMPROVEMENTS

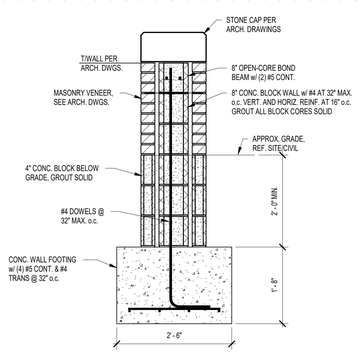
SHEET
S-107



SECTION A-A (ENLARGED, N.T.S.)

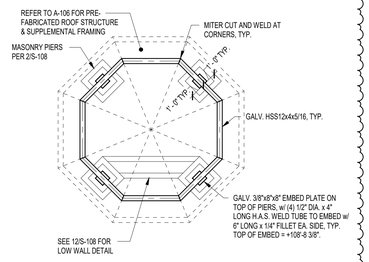


10 SCOREBOARD EXTENSIONS DETAIL
3/4" = 1'-0"

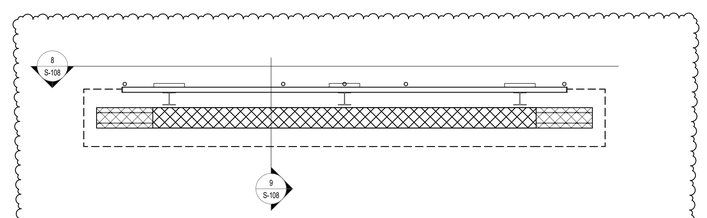


12 FOUNDATION SECTION
3/4" = 1'-0"

AD-2

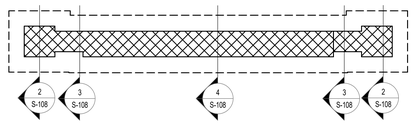


11 STRUCTURAL PLAN - TICKET BOOTH
1/4" = 1'-0"



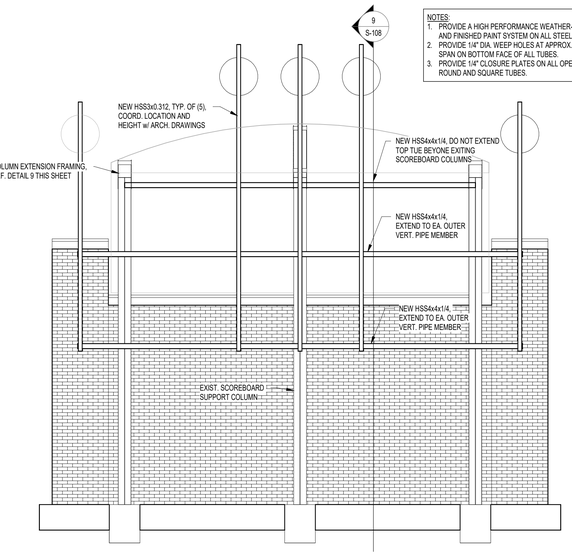
6 STRUCTURAL PLAN - BASEBALL SCOREBOARD
1/4" = 1'-0"

AD-1

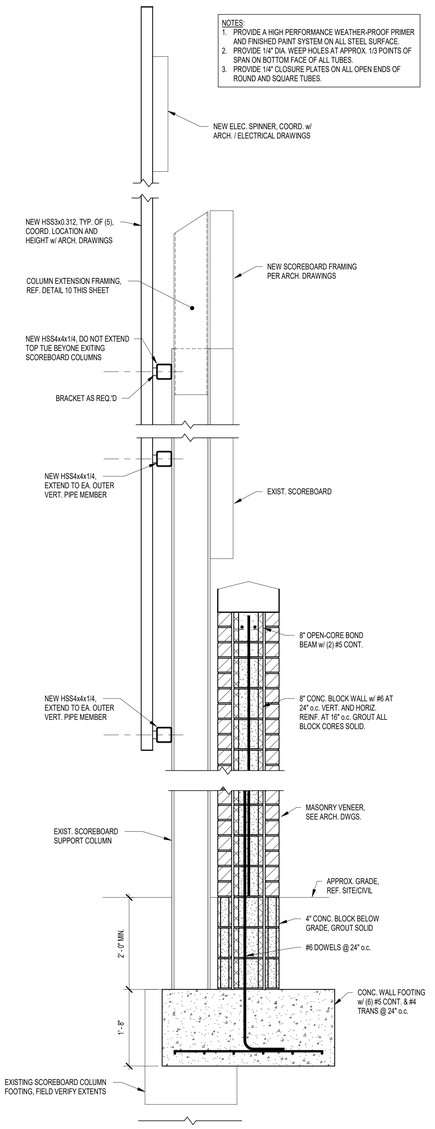


5 FOUNDATION PLAN - ENTRY SIGNAGE
1/4" = 1'-0"

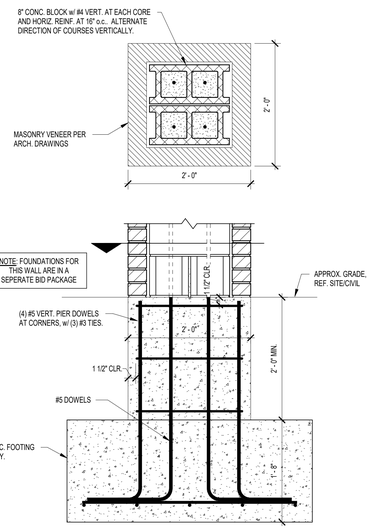
AD-1



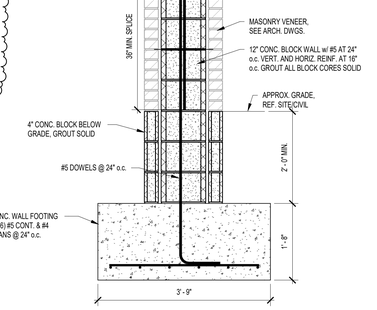
8 FRMG ELEV. - BASEBALL SCOREBOARD
1/4" = 1'-0"



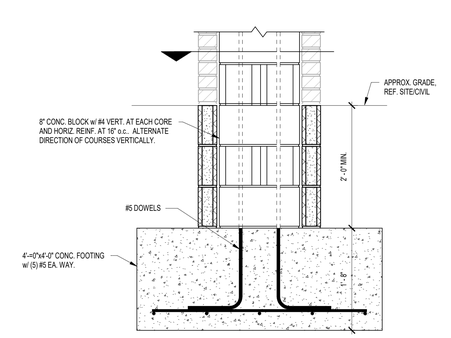
9 FRAMING SECTION
3/4" = 1'-0"



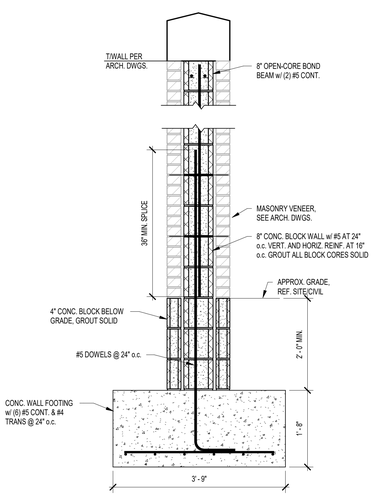
7 FOUNDATION SECTION - C.I.P. MASONRY PIER
1" = 1'-0"



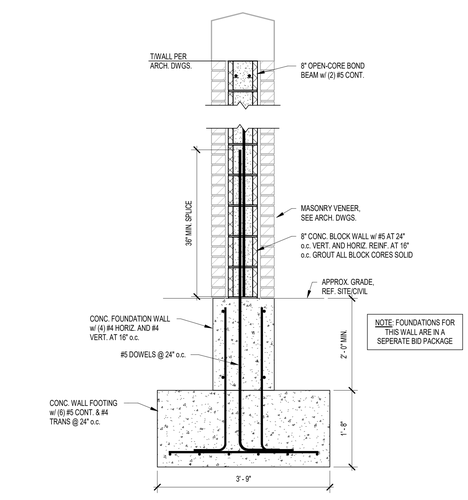
4 FOUNDATION SECTION
3/4" = 1'-0"



2 FOUNDATION SECTION - TYP. MASONRY PIER
1" = 1'-0"



3 FOUNDATION SECTION
3/4" = 1'-0"



1 FOUNDATION SECTION - OUTFIELD WALL
3/4" = 1'-0"

GIBRALTAR DESIGN
ARCHITECTURE - ENGINEERING - INTERIOR DESIGN

PROJECT

CROWN POINT HIGH SCHOOL - SPORTS SITE IMPROVEMENTS

FOR:
CROWN POINT COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 21-120
DATE 08/18/2022
COORDINATED BY SAC/NHF
DRAWN BY SAC/NHF
CHECKED BY SAC

SCOTT A. CLORE, REGISTERED, PE10606154, STATE OF INDIANA, PROFESSIONAL ENGINEER

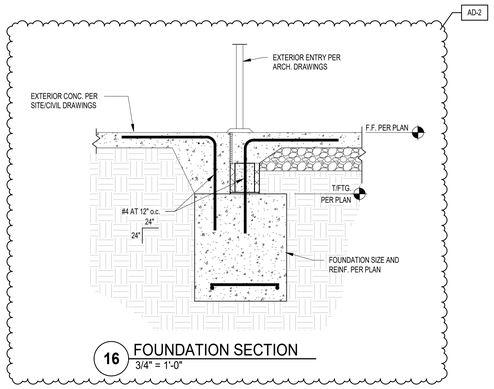
REVISIONS

MARK	DATE	ISSUED FOR
AD-1	08/30/22	ADDENDUM 1
AD-2	09/06/22	ADDENDUM 2

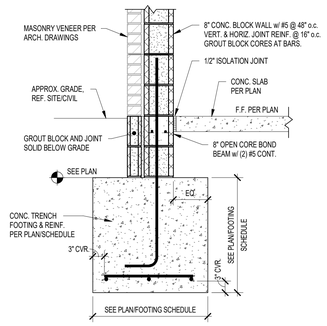
DRAWING
MISCELLANEOUS STRUCTURAL SECTIONS AND DETAILS

PROJECT
CROWN POINT HIGH SCHOOL - SPORTS SITE IMPROVEMENTS

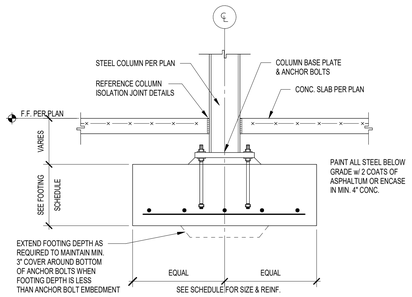
SHEET
S-108



16 FOUNDATION SECTION
3/4" = 1'-0"



13 FOUNDATION SECTION
3/4" = 1'-0"

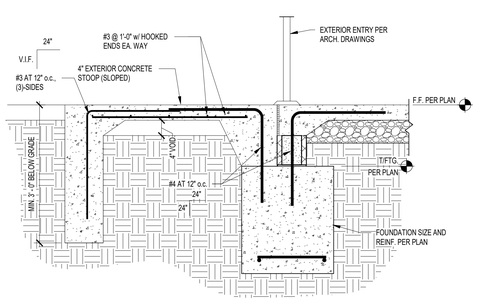


12 TYPICAL INTERIOR COLUMN FOOTING
NOT TO SCALE

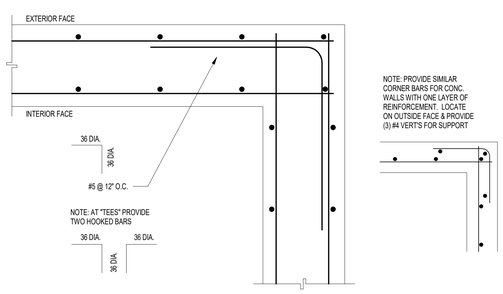
15 FOUNDATION SECTION
3/4" = 1'-0"

NOTES:
1. REFER TO PLUMBING DRAWINGS FOR INVERT ELEVATION OF ALL UNDERGROUND PIPING.
2. PROVIDE THIS DETAIL WHERE A PENETRATION THROUGH A WALL FOOTING IS UNAVOIDABLE.
3. NO SLEEVES IN COLUMN FOOTINGS ARE PERMITTED WITHOUT PRIOR WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.

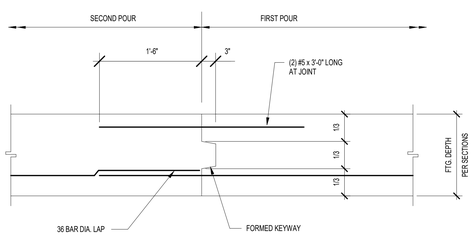
11 WALL FOOTING SLEEVE DETAIL
NOT TO SCALE



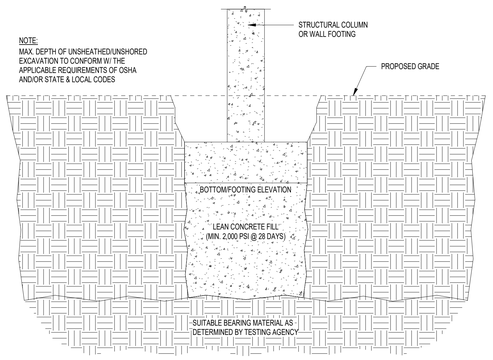
14 FOUNDATION SECTION
3/4" = 1'-0"



10 C.I.P. WALL CORNER REINFORCING
NOT TO SCALE

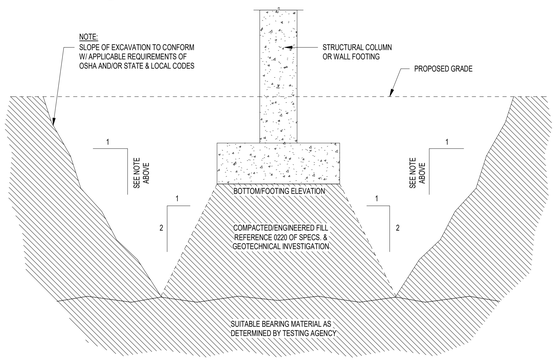


9 WALL FOOTING CONSTRUCTION JOINT
NOT TO SCALE



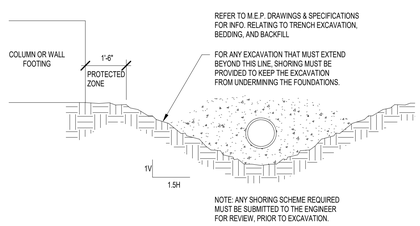
1. REFER TO THE SPECIFICATIONS FOR APPLICATION OF UNIT COSTS FOR REMOVAL OF UNSUITABLE BEARING MATERIAL & REPLACEMENT W/ LEAN CONCRETE FILL.
2. REFER TO THE GEOTECHNICAL ENGINEERING REPORT FOR ADDITIONAL INFORMATION RE: EXPECTED SOIL CONDITIONS, SUITABILITY OF EX. SOILS FOR USE AS ENGINEERED FILL, GROUNDWATER CONDITIONS, ETC.

8 OVEREXCAVATION DETAIL - LEAN CONCRETE FILL
NOT TO SCALE

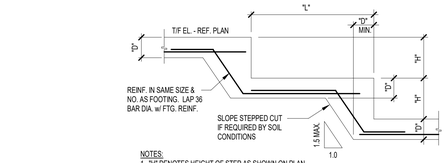


1. REFER TO THE SPECIFICATIONS FOR APPLICATION OF UNIT COSTS FOR REMOVAL OF UNSUITABLE BEARING MATERIAL & REPLACEMENT W/ COMPACTED, ENGINEERED FILL
2. REFER TO THE GEOTECHNICAL ENGINEERING REPORT FOR ADDITIONAL INFORMATION RE: EXPECTED SOIL CONDITIONS, SUITABILITY OF EX. SOILS FOR USE AS ENGINEERED FILL, GROUNDWATER CONDITIONS, ETC.

7 OVEREXCAVATION DETAIL - COMPACTED FILL
NOT TO SCALE

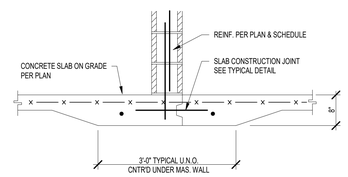


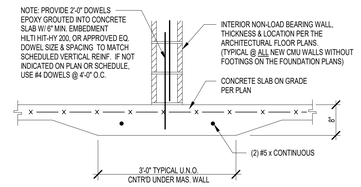
6 EXCAVATION LIMITS DETAILS
NOT TO SCALE



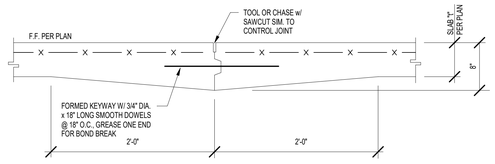
NOTES:
1. "H" DENOTES HEIGHT OF STEP AS SHOWN ON PLAN.
2. "L" DENOTES LENGTH BETWEEN STEPS. LAYOUT TO MAINTAIN SLOPE OF 1 VERTICAL TO 2 HORIZONTAL UNLESS NOTED OTHERWISE.
3. "D" DENOTES FOOTING DEPTH, REFER TO PLANS, SECTIONS & SCHEDULES.

5 STEPPED FOOTING DETAIL
NOT TO SCALE



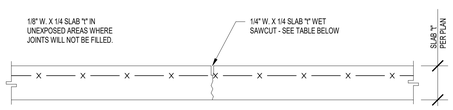


4 THICKENED SLAB DETAILS
NOT TO SCALE



PROVIDE CONSTRUCTION JOINT IN LIEU OF CONTROL JOINT AT TERMINATION OF POUR

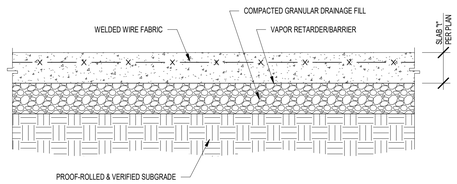
3 SLAB CONSTRUCTION JOINT
NOT TO SCALE



CONTROL JOINTS SHALL BE SAWN NOT LATER THAN THE FOLLOWING TABLE, OR 16 HOURS AFTER FINAL TROWELING (WHICHEVER IS LESS), WHERE TEMP EQUALS THE AMBIENT TEMPERATURE IN DEGREES FAHRENHEIT AT THEN TIME OF FINAL TROWELING. SAWCUTTING SHALL BE SUSPENDED ONLY IF THE LARGE AGGREGATE IS DISLODGED OR LOOSENED. ALTERNATE: USE PRE-FORMED JOINT FORMER.

TEMP. F°	TIME. HOURS
< 40°	16
50°	14
60°	8 1/2
70°	5 1/2
80°	4
90°	3

2 SLAB CONTROL/CONTRACTION JOINT
NOT TO SCALE



1. LOCATE WELDED WIRE FABRIC IN UPPER THIRD OF SLAB, SUPPORT ON BOLSTERS, CHAIRS, OR CONCRETE BRICKS.
2. LAP WELDED WIRE FABRIC A MIN. OF ONE FULL MESH SPACING.
3. THE USE OF NYLON OR POLYPROPYLENE FIBER IN LIEU OF WELDED WIRE FABRIC AS A SECONDARY REINFORCEMENT IS PERMISSIBLE, UNLESS OTHERWISE NOTED. NOTE: FIBER MAY NOT BE SUBSTITUTED FOR W.W.F. IN SUPPORTED SLABS.
4. SEE PLAN, NOTES, AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS SUCH AS FINISH, JOINTING, CURING, ETC.

1 SLAB ON GRADE CONSTRUCTION
NOT TO SCALE

GIBRALTAR DESIGN
ARCHITECTURE - ENGINEERING - INTERIOR DESIGN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT
CROWN POINT HIGH SCHOOL - SPORTS SITE IMPROVEMENTS

FOR:
CROWN POINT COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

PROJECT
21-120
DATE
08/18/2022
COORDINATED BY
SAC
DRAWN BY
NHF
CHECKED BY
SAC

SCOTT A. CLORE REGISTERED PE10606154 STATE OF INDIANA PROFESSIONAL ENGINEER

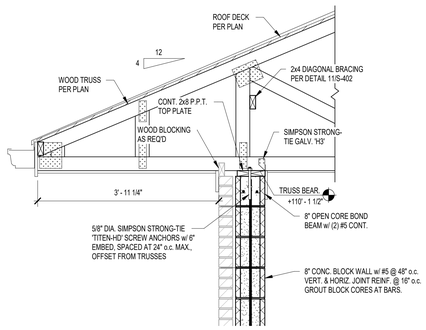
REVISIONS

MARK	DATE	ISSUED FOR
AD-2	09/06/22	ADDENDUM 2

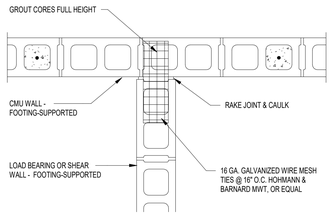
DRAWING
FOUNDATIONS SECTIONS & DETAILS

PROJECT
CROWN POINT HIGH SCHOOL - SPORTS SITE IMPROVEMENTS

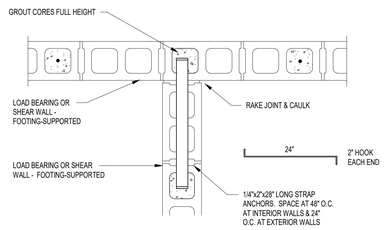
SHEET
S-401



10 FRAMING SECTION
3/4" = 1'-0"

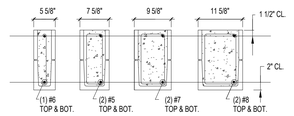


TYP. AT INTERSECTION BETWEEN FOOTING-SUP'TD. AND THICKENED SLAB-SUPPORTED CMU WALLS



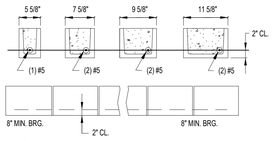
TYPICAL AT INTERSECTION BETWEEN FOOTING-SUPPORTED CMU WALLS

9 WALL INTERSECTION DETAILS
NOT TO SCALE



CMU LINTEL NOTES:

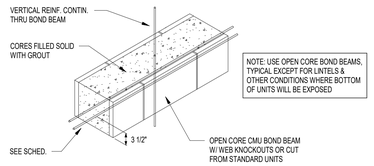
1. FILL IS 2,500 PSI (MINIMUM) GROUT.
2. ALL REBARS ARE HOOKED AT THE ENDS.
3. FOR TYPE OF CMU SEE THE SPECS.
4. LINTELS SHALL BEAR ON SOLIDLY GROUTED CMU.
5. THIS SCHEDULE DOES NOT APPLY TO LOAD BEARING WALLS, UNLESS NOTED OTHERWISE.
6. BOND PATTERN OF LINTEL TO BE RUNNING BOND, U.N.O.
7. BOTTOM OF LINTEL SHALL BE SMOOTH MASONRY WITH NO CORES EXPOSED.
8. CONTRACTOR TO PROVIDE TEMPORARY SHORING UNTIL MASONRY HAS PROPERLY SET (3 DAY MINIMUM).

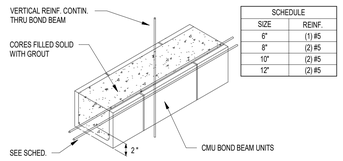


CMU LINTEL NOTES:

1. FILL IS 2,500 PSI (MINIMUM) GROUT.
2. PROVIDE 1" BRG. PER FOOT OF SPAN WITH 8" MIN.
3. LINTELS SHALL BEAR ON SOLIDLY GROUTED CMU
4. THIS SCHEDULE DOES NOT APPLY TO LOAD BEARING WALLS, UNLESS NOTED OTHERWISE
5. BOND PATTERN OF LINTEL TO BE RUNNING BOND, U.N.O.
6. BOTTOM OF LINTEL SHALL BE SMOOTH MASONRY WITH NO CORES EXPOSED
7. CONTRACTOR TO PROVIDE TEMPORARY SHORING UNTIL MASONRY HAS PROPERLY SET (3 DAY MINIMUM).
8. PRECAST LINTELS MAY NOT BE SUBSTITUTED FOR BOND BEAM LINTELS WHERE EXPOSED IN THE FINISHED STRUCTURE.

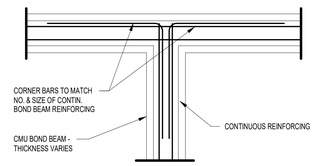
7 CMU LINTEL DETAILS
NOT TO SCALE

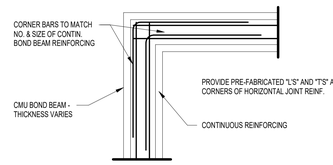




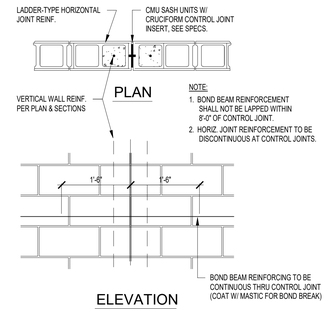
SCHEDULE	
SIZE	REINF.
6"	(1) #5
8"	(2) #5
10"	(2) #5
12"	(2) #5

6 CMU BOND BEAM DETAILS
NOT TO SCALE

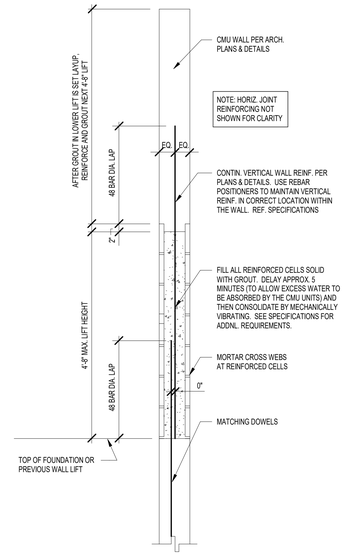




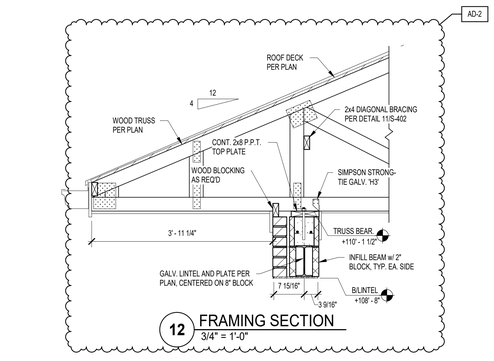
4 BOND BEAM INTERSECTION DETAILS
NOT TO SCALE



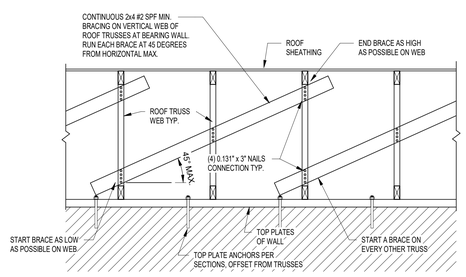
3 CMU CONTROL JOINT DETAIL
NOT TO SCALE



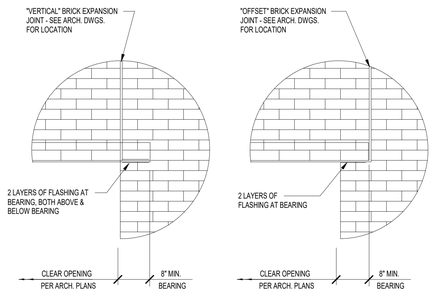
2 LOW-LIFT WALL CONSTRUCTION
NOT TO SCALE



12 FRAMING SECTION
3/4" = 1'-0"



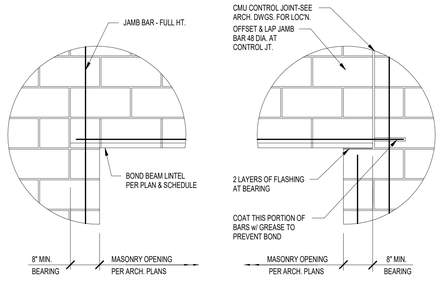
11 SHEAR WALL CONNECTION TO ROOF DECK w/ TRUSS PERPENDICULAR
3/4" = 1'-0"



AT "VERTICAL" BRICK EXPANSION JOINT

AT "OFFSET" BRICK EXPANSION JOINT

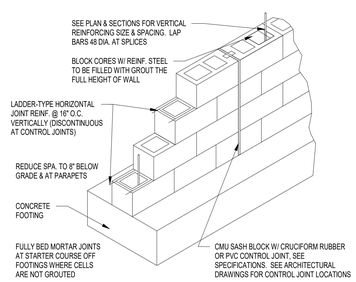
8 LINTEL BEARING DETAILS
NOT TO SCALE



NOT AT CONTROL JOINT

AT CONTROL JOINT

5 BOND BEAM BEARING DETAILS
NOT TO SCALE



1 REINFORCED MASONRY DETAIL
NOT TO SCALE

GIBRALTAR
DESIGN
ARCHITECTURE - ENGINEERING - INTERIOR DESIGN

PROJECT

CROWN POINT HIGH SCHOOL - SPORTS SITE IMPROVEMENTS

FOR:
CROWN POINT COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 21-120
DATE 08/18/2022
COORDINATED BY SAC
DRAWN BY NHF
CHECKED BY SAC

SCOTT A. CLORE
REGISTERED
PE10606154
STATE OF INDIANA
PROFESSIONAL ENGINEER

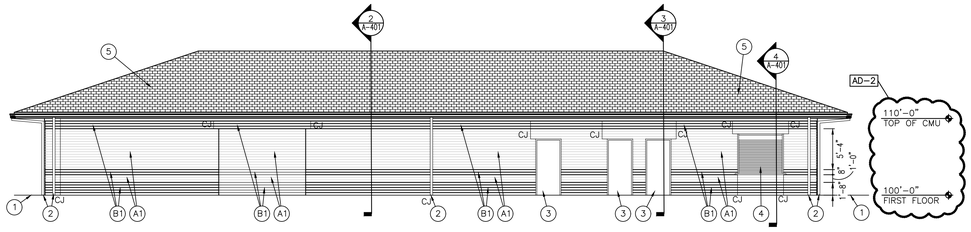
REVISIONS

MARK	DATE	ISSUED FOR
AD-2	09/06/22	ADDENDUM 2

DRAWING
FRAMING AND MASONRY SECTIONS & DETAILS

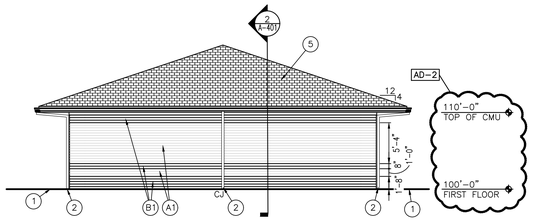
PROJECT
CROWN POINT HIGH SCHOOL - SPORTS SITE IMPROVEMENTS

SHEET
S-402



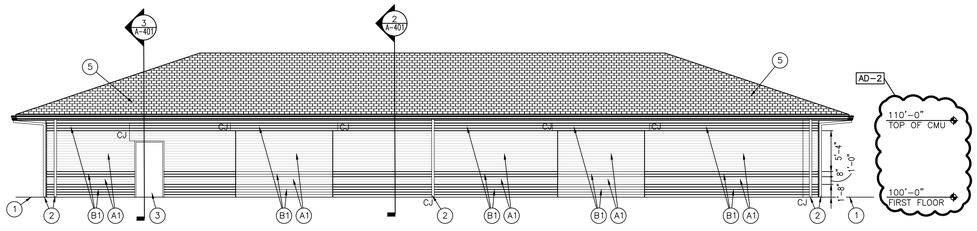
ELEVATION 4

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



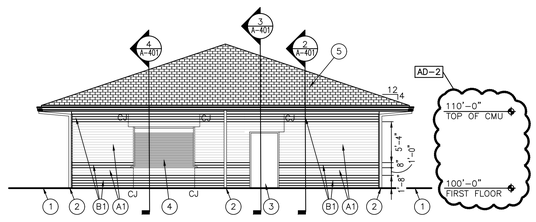
ELEVATION 3

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



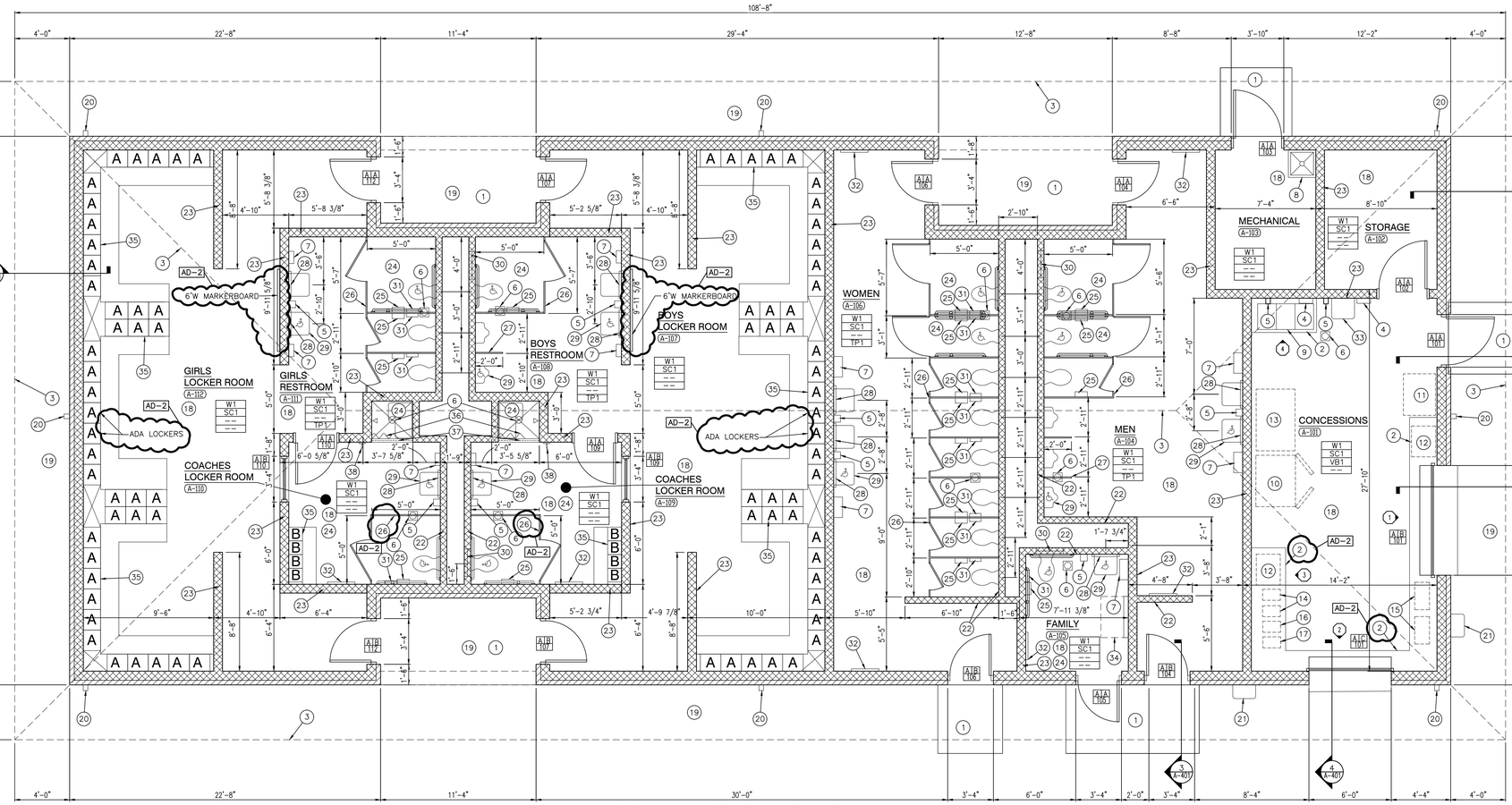
ELEVATION 2

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



ELEVATION 1

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



COMMUNITY BUILDING ARCHITECTURAL FLOOR PLAN

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

GENERAL ELEVATION NOTES:

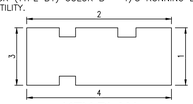
A. REFER TO STRUCTURAL. DRAWINGS FOR FOUNDATION WALLS AND FOOTINGS.
B. REFER TO FLOOR PLANS FOR EXTERIOR WALL SECTIONS CUTS, UNLESS INDICATED OTHERWISE.
C. FOR LOCATION AND MOUNTING HEIGHTS OF CAMERAS, SPEAKERS, LIGHTS, HORNS, ETC. REFER TO ELECTRICAL AND TECHNOLOGY DRAWINGS.
D. FINISH GRADE INDICATES ON ELEVATIONS ARE FOR DRAWING PURPOSES ONLY. REFER TO CIVIL DRAWINGS FOR ACTUAL GRADES. COORDINATE STEPPED FLASHINGS WITH ACTUAL GRADES AS REQUIRED FOR CELL VENTS TO BE ABOVE GRADE.
E. STEP BRICK LEDGE DOWN AS REQUIRED FOR LEDGE TO BE BELOW GRADE OR CONCRETE WALK. COORDINATE WITH CIVIL DRAWINGS.
F. (CJ) INDICATES CONTROL JOINT. REFER TO DETAIL

ELEVATION KEY NOTES:

1. FINISH GRADE
2. ALUMINUM GUTTER, DOWNSPOUT, AND BOOT – 4" x 5" TYPICAL DOWNSPOUT, REFER TO CIVIL
3. ALUMINUM FRAMED OPENINGS WITH ALUMINUM DOORS.
4. COILING COUNTER DOOR.
5. ASPHALT SHINGLE ROOF SYSTEM.

BRICK TYPE NOTES

A1. FACE BRICK (TYPE A1) COLOR A – 1/3 RUNNING BOND – 4x4x12 UTILITY.
B1. FACE BRICK (TYPE B1) COLOR B – 1/3 RUNNING BOND – 4x4x12 UTILITY.



KEY PLAN

GENERAL PLAN NOTES:

A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO GI SERIES SHEETS.
B. PLAN DIMENSIONS TO MASONRY WALLS ARE TO FACE OF ROUGH MASONRY. PLAN DIMENSIONS TO STUD WALLS ARE TO FACE OF FINISHED GYPSUM BOARD OR PLASTER. PLAN DIMENSIONS TO STUD WALLS WITH CERAMIC TILE FINISH ARE TO THE FACE OF TILE BACKER BOARD.
C. ALL CMU WALLS THAT DO NOT LAY OUT IN FULL OR HALF LENGTHS SHOULD BE BALANCED SO AS NOT TO HAVE ANY PIECES LESS THAN 4" IN SIZE EXPOSED TO VIEW.
D. MASONRY WALLS BEARING ON A THICKENED SLAB AT SLAB DEPRESSIONS REQUIRE CUT MASONRY UNITS SO THAT COURSING BEGINS AT THE FLOOR LINE.
E. THE BASE FIRST FLOOR ELEVATION INDICATED FOR THE PROJECT IS 100'-0". REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM.
F. HINGE SIDE OF DOOR JAMB AT CMU WALLS SHALL BE LOCATED 8" MINIMUM FROM ADJACENT WALL AND HINGE SIDE OF DOOR JAMB AT GYPSUM BOARD WALLS SHALL BE LOCATED 4" MINIMUM FROM ADJACENT WALL UNLESS NOTED OTHERWISE.
G. PROVIDE WOOD BLOCKING (OR METAL STRAPPING WHERE APPLICABLE) AS REQUIRED WITHIN METAL STUD WALLS FOR WALL MOUNTED ITEMS.
H. REFER TO LIFE SAFETY PLANS REGARDING FIRE RATED WALL LOCATIONS AND OTHER CODE INFORMATION.
I. INTERIOR CMU WALLS ARE TO BE RUNNING BOND UNLESS NOTED OTHERWISE.
J. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS ARE TO BE BULLNOSED, EXCEPT AT MASONRY BULKHEADS AND EXTERIOR WINDOW JAMBS.

PLAN LEGEND:

INDICATES CASEWORK ELEVATION SYMBOL – REFER TO A-501 FOR ELEVATIONS.

P1	WALL FINISH
C1	FLOOR FINISH
B1	BASE FINISH
--	MISC FINISH INFORMATION

PLAN NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

1. CONCRETE STOOP, PROVIDE SCORED JOINTS ON SURFACE TO ALINE WITH CONCRETE SIDEWALK JOINTS, REFER TO STRUCTURAL DRAWINGS.
2. CASEWORK AND/OR MILLWORK, REFER TO ELEVATIONS
3. LINE OF ROOF.
4. PAPER TOWEL DISPENSER. OFCI
5. SOAP DISPENSER. OFCI
6. FLOOR DRAIN, REFER TO PLUMBING.
7. HAND DRYER
8. MOP SINK, REFER TO PLUMBING.
9. THREE COMPARTMENT SINK REFER TO PLUMBING.
10. SODA COOLER BY OWNER
11. POPCORN MACHINE BY OWNER.
12. HOT DOG WARMER BY OWNER.
13. CHEST FREEZER BY OWNER.
14. CHEESE DISPENSER BY OWNER.
15. MICROWAVE BY OWNER.
16. COFFEE MAKER BY OWNER.
17. HOT CHOCOLATE MAKER BY OWNER.
18. CEILING TO BE GYPSUM BOARD AT 10'-7/8" AFF PAINT P1.
19. PERFORATED ALUMINUM SOFFIT.
20. ALUMINUM DOWNSPOUT AND BOOT.
21. BOTTLE FILLER, REFER TO PLUMBING.
22. 6" CMU WALL TO BOTTOM OF GYPSUM BOARD CEILING.
23. 8" CMU WALL TO BOTTOM OF GYPSUM BOARD CEILING.
24. ACCESSIBLE FACILITIES. — X/A-501
25. TOILET PAPER HOLDER. (OFCI)
26. TOILET PARTITION.
27. URINAL SCREEN WALL.
28. 2'-0" W x 3'-0" H MIRROR WITH BOTTOM OF REFLECTIVE SURFACE MOUNTED AT 40"A.F.F.
29. ACCESSIBLE FIXTURE (LAVATORY/URNAL). SEE PLUMBING DRAWINGS.
30. 24"x24" ACCESS PANEL. MOUNT TOP OF PANEL AT 5'-4" A.F.F. COORDINATE LOCATION W/ SENSOR HEIGHT.
31. FEMININE NAPKIN DISPOSAL.
32. 2'-0" x 5'-0" MIRROR BOTTOM @ 1'-4" A.F.F.
33. UTILITY SINK, REFER TO PLUMBING.
34. CHANGING TABLE.
35. LOCKERS. — 1/A-501
36. SHOWER ROD. (CURTAIN BY OWNER)
37. SHOWER CURB. — X/A-501
38. TOWEL HOOK.

ROOM FINISHES:

P1 (PAINT), SHERWIN WILLIAMS, CEILING BRIGHT WHITE 7007

W1 (WALL COATING), SHERWIN WILLIAMS, ESSENTIAL GRAY SW6002

SC1 (SEALED CONCRETE), REFER TO CONCRETE SPECIFICATIONS FOR SEALER AND FINISH.

VB1 (VINYL BASE), TARKETT/JOHNSONITE, TRADITIONAL VINYL, 4" COVE, CHARCOAL #20.

PL1 (PLASTIC LAMINATE), PIONITE, SABLE AG021-SD, SUEDE FINISH

SS1 (SOLID SURFACE), CORIAN, NEUTRAL AGGREGATE.

TP1 (TOILET PARTITION), HINY HIDERS, BURGUNDY, ORANGE PEEL FINISH

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

CROWN POINT HIGH SCHOOL - ATHLETIC FIELDS AND SITE IMPROVEMENTS

FOR:
CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 21-120
DATE 08/18/22
COORDINATED BY DTB JPB
DRAWN BY DTB
CHECKED BY DTB JPB

JOSEPH P. BRIGGS REGISTERED NO. 11600109 STATE OF INDIANA ARCHITECT

REVISIONS

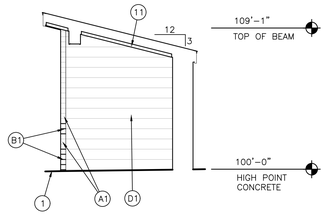
MARK	DATE	ISSUED FOR
AD-2	09/06/22	ADDENDUM NO. 2

DRAWING
COMMUNITY BUILDING ARCHITECTURAL FLOOR PLANS AND ELEVATIONS

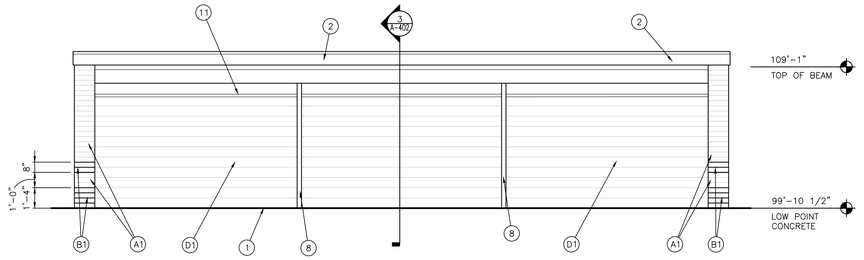
PROJECT
CROWN POINT HIGH SCHOOL - ATHLETIC FIELDS AND SITE IMPROVEMENTS

SHEET
A-101

Thursday, 9/8/2022 – 12:55 PM – LAST SAVED BY:DBURNS
Y:\21-120 CROWN POINT CSC – CROWN POINT HS ATHLETIC FIELDS AND SITE IMPROVEMENTS\21-120 DRAWINGS\05 ARCH\A-101.DWG



EXTERIOR ELEVATION 8
SCALE: 1/4" = 1'-0"



EXTERIOR ELEVATION 6
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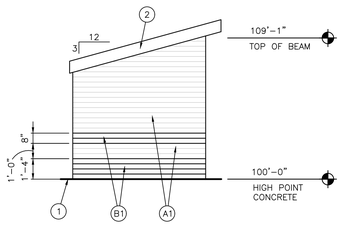
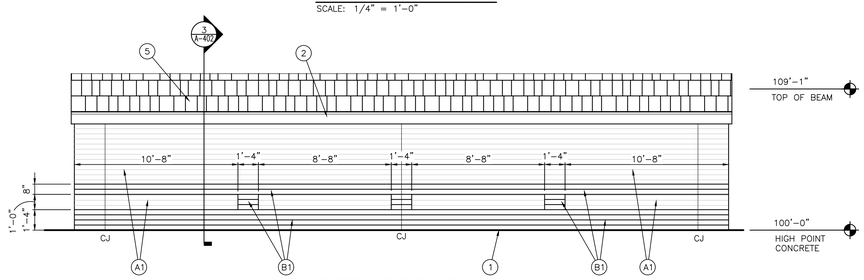


EXTERIOR ELEVATION 7
SCALE: 1/4" = 1'-0"

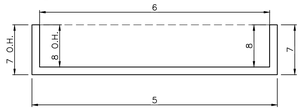


EXTERIOR ELEVATION 5
SCALE: 1/4" = 1'-0"

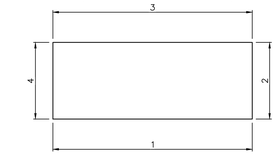
BRICK TYPE NOTES

- (A1) FACE BRICK (TYPE A1) COLOR A – 1/3 RUNNING BOND – 4x4x12 UTILITY.
- (B1) FACE BRICK (TYPE B1) COLOR B – 1/3 RUNNING BOND – 4x4x12 UTILITY.
- (B2) FACE BRICK (TYPE B2) COLOR B – SOLDIER COURSE – 4x4x12 UTILITY.
- (C1) FACE BRICK (TYPE C1) COLOR C – 1/3 RUNNING BOND – 4x4x12 UTILITY.
- (D1) CMU BLOCK (TYPE D1) COLOR D – INTEGRAL COLOR AND WATER PROOFING – RUNNING BOND – 8x8x16.
- (E1) STANDARD CMU BLOCK (TYPE E1) STANDARD COLOR – RUNNING BOND

AD-2



DUGOUT KEY PLAN



PRESS BOX KEY PLAN

GENERAL ELEVATION NOTES:

A. REFER TO STRUCTURAL. DRAWINGS FOR FOUNDATION WALLS AND FOOTINGS.

B. REFER TO FLOOR PLANS FOR EXTERIOR WALL SECTIONS CUTS, UNLESS INDICATED OTHERWISE.

C. FOR LOCATION AND MOUNTING HEIGHTS OF CAMERAS, SPEAKERS, LIGHTS, HORNS, ETC. REFER TO ELECTRICAL AND TECHNOLOGY DRAWINGS.

D. FINISH GRADE INDICATES ON ELEVATIONS ARE FOR DRAWING PURPOSES ONLY. REFER TO CIVIL DRAWINGS FOR ACTUAL GRADES. COORDINATE STEPPED FLASHINGS WITH ACTUAL GRADES AS REQUIRED FOR CELL VENTS TO BE ABOVE GRADE.

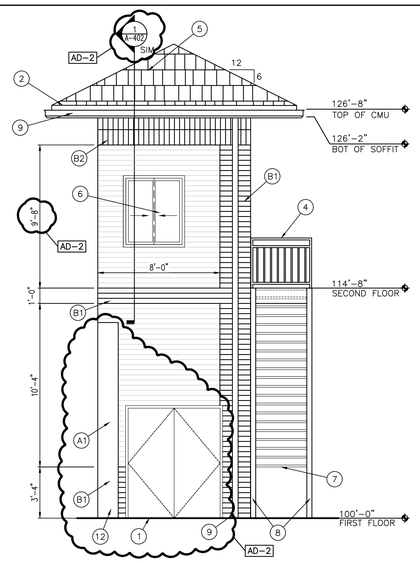
E. STEP BRICK LEDGE DOWN AS REQUIRED FOR LEDGE TO BE BELOW GRADE OR CONCRETE WALK. COORDINATE WITH CIVIL DRAWINGS.

F. (CJ) INDICATES CONTROL JOINT.

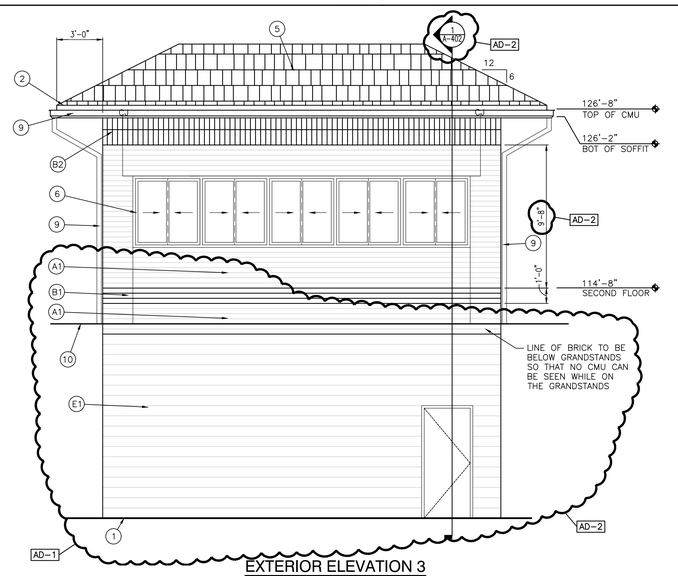
ELEVATION KEY NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

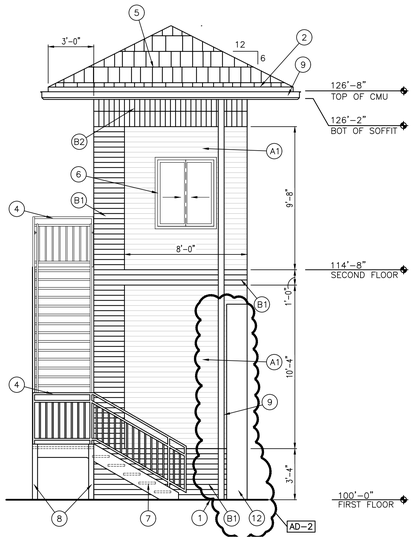
1. APPROXIMATE FINISH GRADE, REFER TO CIVIL DRAWINGS.
2. METAL FASCIA.
3. ALUMINUM STOREFRONT SYSTEM.
4. METAL GUARDRAIL/HANDRAIL. — 6 / A-501
5. ASPHALT SHINGLE ROOF SYSTEM, REFER TO FLOOR PLANS AND SECTIONS.
6. ALUMINUM WINDOW.
7. METAL STAIR. — 7 / A-501, 8 / A-501, 9 / A-501
8. STEEL TUBE, REFER TO STRUCTURAL.
9. ALUMINUM GUTTER AND/OR DOWNSPOUT, REFER TO FLOOR PLAN.
10. LINE OF GRANDSTANDS
11. WOOD TRIM
12. GRANDSTAND MASONRY WALL — AD-2



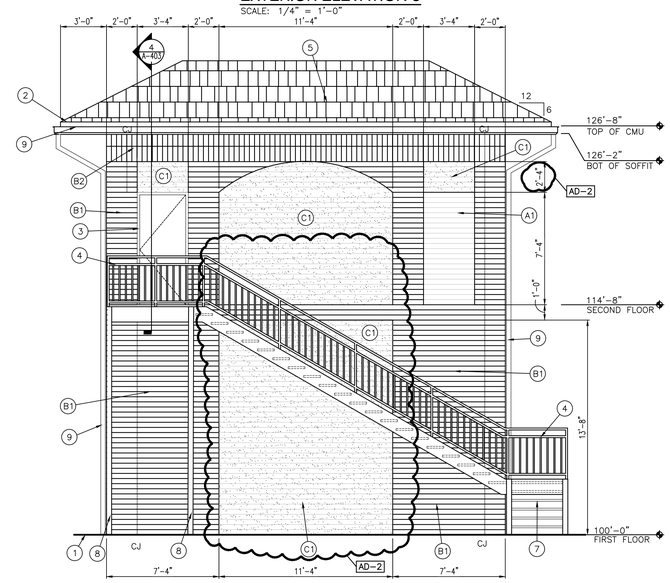
EXTERIOR ELEVATION 4
SCALE: 1/4" = 1'-0"



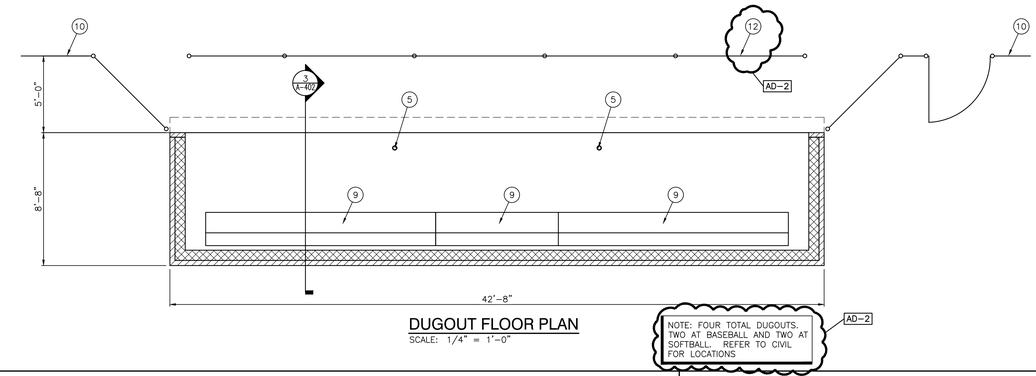
EXTERIOR ELEVATION 3
SCALE: 1/4" = 1'-0"



EXTERIOR ELEVATION 2
SCALE: 1/4" = 1'-0"



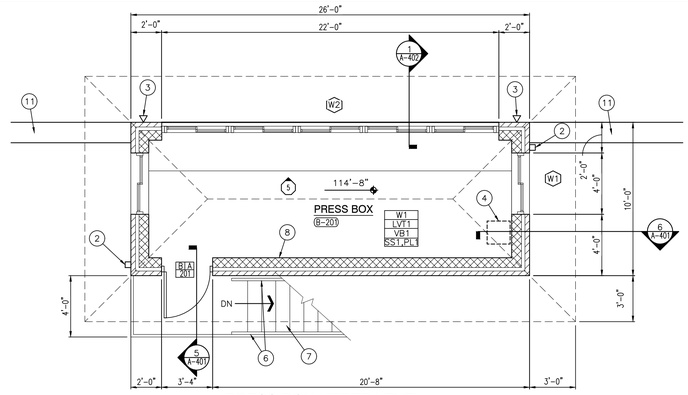
EXTERIOR ELEVATION 1
SCALE: 1/4" = 1'-0"



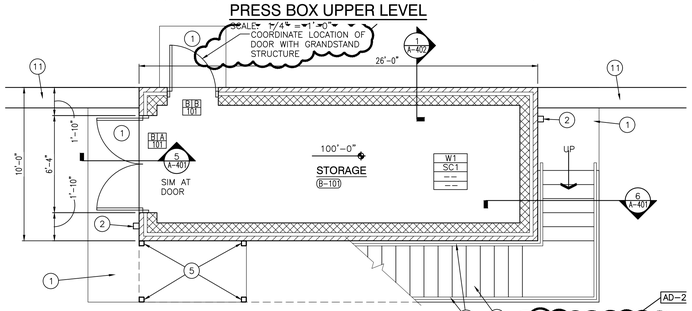
DUGOUT FLOOR PLAN
SCALE: 1/4" = 1'-0"

NOTE: FOUR TOTAL DUGOUTS. TWO AT BASEBALL AND TWO AT SOFTBALL. REFER TO CIVIL FOR LOCATIONS

AD-2



PRESS BOX UPPER LEVEL
SCALE: 1/4" = 1'-0"



PRESS BOX LOWER LEVEL
SCALE: 1/4" = 1'-0"

NOTE: TWO TOTAL PRESS BOXES. ONE AT BASEBALL AND ONE AT SOFTBALL. REFER TO CIVIL FOR LOCATIONS

AD-2

GENERAL PLAN NOTES:

A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO GI SERIES SHEETS.

B. PLAN DIMENSIONS TO MASONRY WALLS ARE TO FACE OF ROUGH MASONRY. PLAN DIMENSIONS TO STUD WALLS ARE TO FACE OF FINISHED GYPSUM BOARD OR PLASTER. PLAN DIMENSIONS TO STUD WALLS WITH CERAMIC TILE FINISH ARE TO THE FACE OF TILE BACKER BOARD.

C. ALL CMU WALLS THAT DO NOT LAY OUT IN FULL OR HALF LENGTHS SHOULD BE BALANCED SO AS NOT TO HAVE ANY PIECES LESS THAN 4" IN SIZE EXPOSED TO VIEW.

D. MASONRY WALLS BEARING ON A THICKENED SLAB AT SLAB DEPRESSIONS REQUIRE CUT MASONRY UNITS SO THAT COURSING BEGINS AT THE FLOOR LINE.

E. THE BASE FIRST FLOOR ELEVATION INDICATED FOR THE PROJECT IS 100'-0". REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM.

F. HINGE SIDE OF DOOR JAMB AT CMU WALLS SHALL BE LOCATED 8" MINIMUM FROM ADJACENT WALL AND HINGE SIDE OF DOOR JAMB AT GYPSUM BOARD WALLS SHALL BE LOCATED 4" MINIMUM FROM ADJACENT WALL UNLESS NOTED OTHERWISE.

G. INTERIOR CMU WALLS ARE TO BE RUNNING BOND UNLESS NOTED OTHERWISE.

H. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS ARE TO BE BULLNOSED, EXCEPT AT MASONRY BULKHEADS AND EXTERIOR WINDOW JAMBS.

PLAN LEGEND:

(1) INDICATES CASEWORK ELEVATION SYMBOL – REFER TO A-501 FOR ELEVATIONS.

P1	WALL FINISH
C1	FLOOR FINISH
B1	BASE FINISH
--	MISC FINISH INFORMATION

PLAN NOTES:

1. CONCRETE STOOP.
2. 4" X 4" ALUMINUM DOWNSPOUT AND BOOT, VERIFY SIZE, REFER TO CIVIL.
3. SPEAKERS, REFER TO TECHNOLOGY DRAWINGS.
4. SOUND SYSTEM, REFER TO TECHNOLOGY DRAWINGS.
5. STEEL TUBE COLUMN, REFER TO STRUCTURAL
6. METAL GUARDRAIL/HANDRAIL. — 6 / A-501
7. METAL STAIR. — 7 / A-501, 8 / A-501, 9 / A-501
8. PAINTED MURAL BY OWNER. — AD-2
9. PLAYERS BENCH.
10. 6' TALL BLACK VINYL COATED CHAIN LINK FENCE, REFER TO CIVIL
11. GRANDSTAND MASONRY WALL
12. 4' TALL BLACK VINYL COATED CHAIN LINK FENCE, REFER TO CIVIL — AD-2

ROOM FINISHES:

W1 (WALL COATING), SHERWIN WILLIAMS, ESSENTIAL GRAY SW6002

P1 (PAINT), SHERWIN WILLIAMS, CEILING BRIGHT WHITE 7007.

SC1 (SEALED CONCRETE), REFER TO CONCRETE SPECIFICATIONS FOR SEALER AND FINISH.

LVT1 (LUXURY VINYL TILE), TARKETT, ID LATITUDE, PLST LATITUDE STONE, 7242 HEARTHSTONE

VB1 (VINYL BASE), TARKETT/JOHNSONITE, TRADITIONAL VINYL, 4" COVE, CHARCOAL #20.

SS1 (SOLID SURFACE), CORIAN, NEUTRAL AGGREGATE.

PL1 (PLASTIC LAMINATE), PIONITE, SABLE AG021-SD, SUEDE FINISH

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PROJECT

CROWN POINT HIGH SCHOOL - ATHLETIC FIELDS AND SITE IMPROVEMENTS

FOR:
CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 21-120
DATE 08/18/22
COORDINATED BY DTB JPB
DRAWN BY DTB
CHECKED BY DTB JPB

JOSEPH P. BRIGGS REGISTERED NO. 11600109 STATE OF INDIANA ARCHITECT

REVISIONS

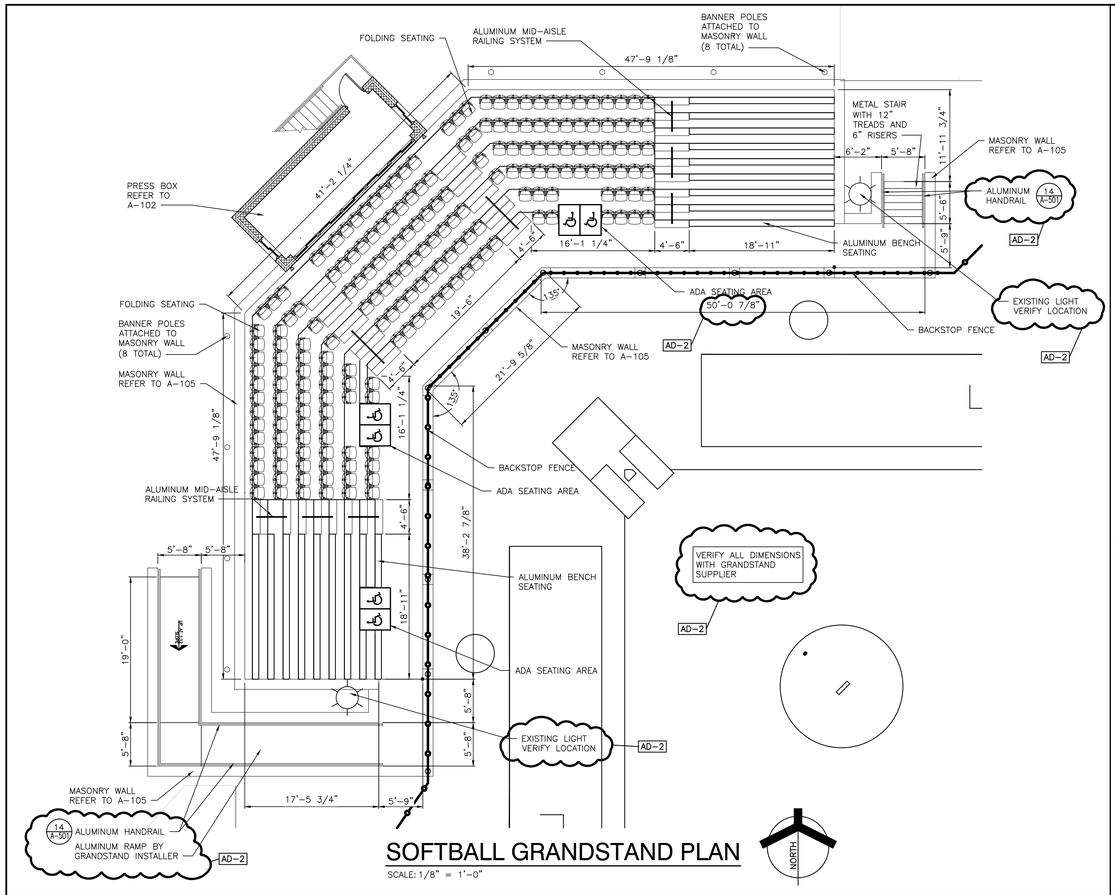
MARK	DATE	ISSUED FOR
AD-2	09/06/22	ADDENDUM NO. 2

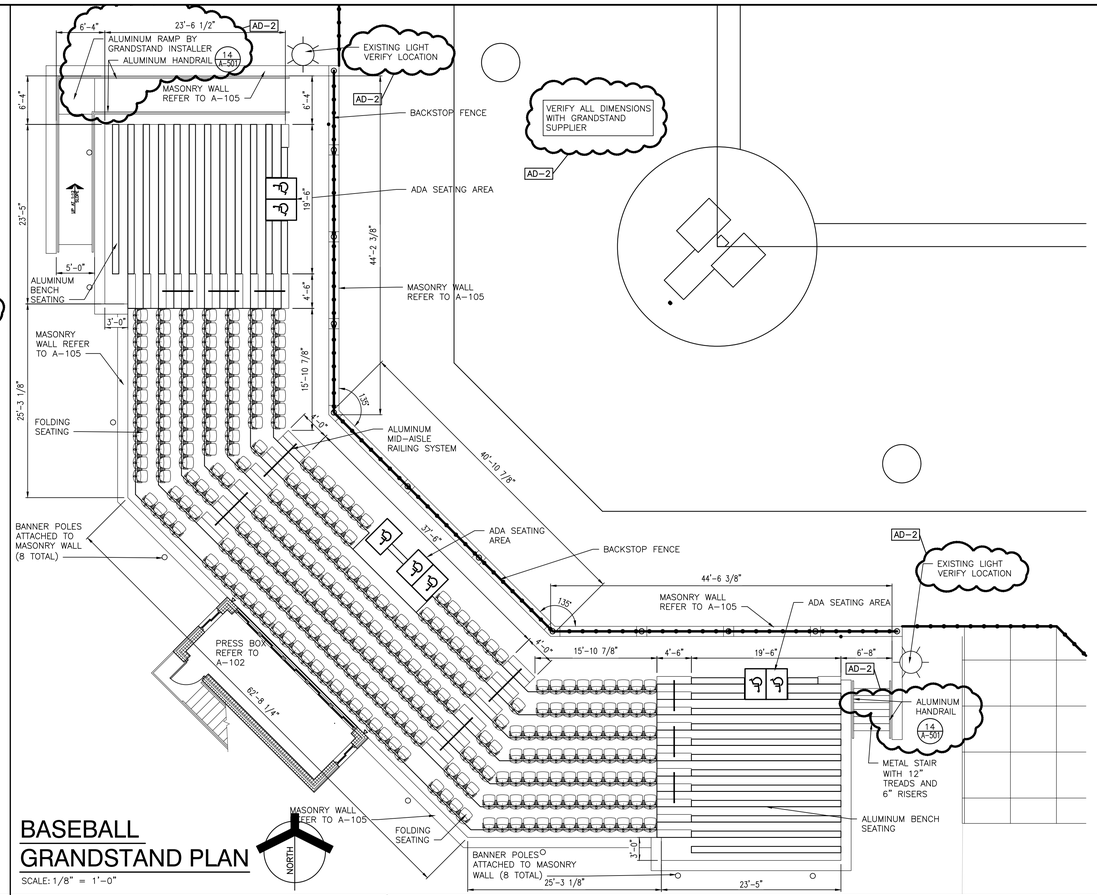
DRAWING

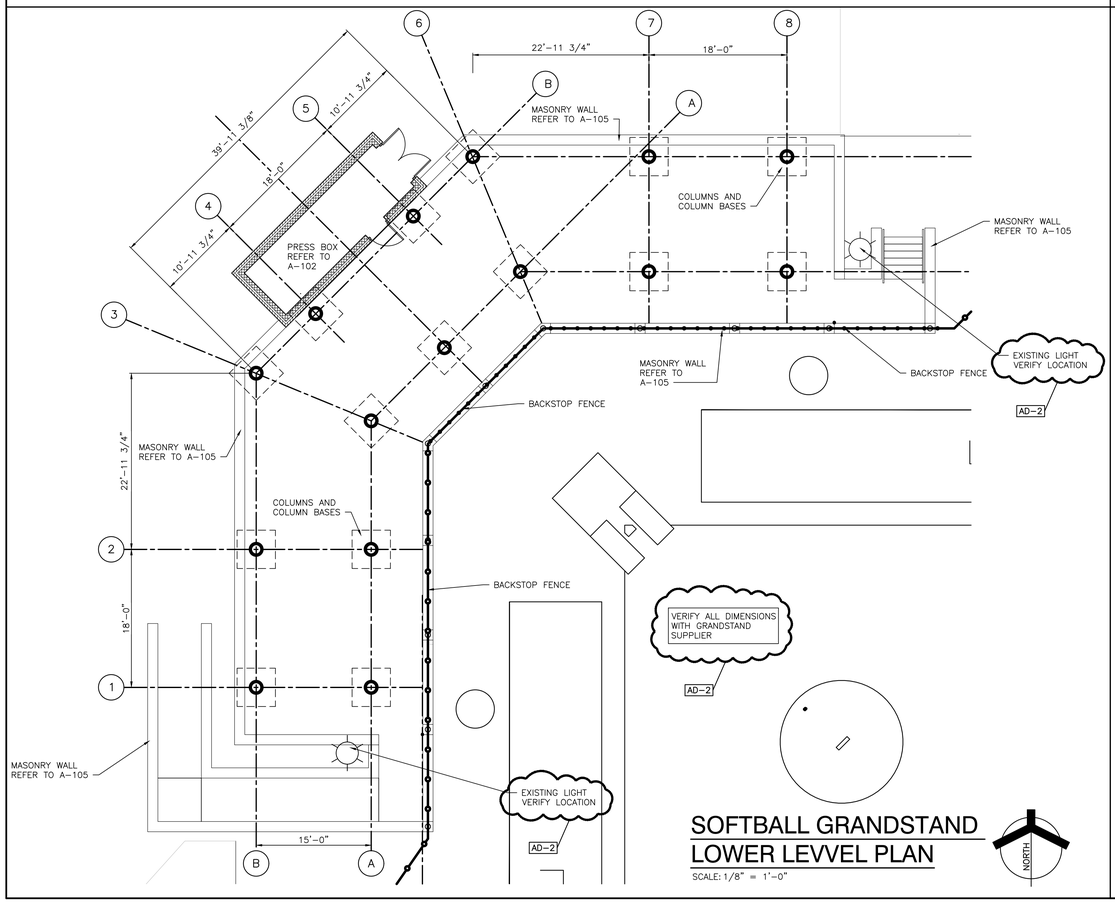
PRESS BOX AND DUGOUT ARCHITECTURAL FLOOR PLANS AND ELEVATIONS

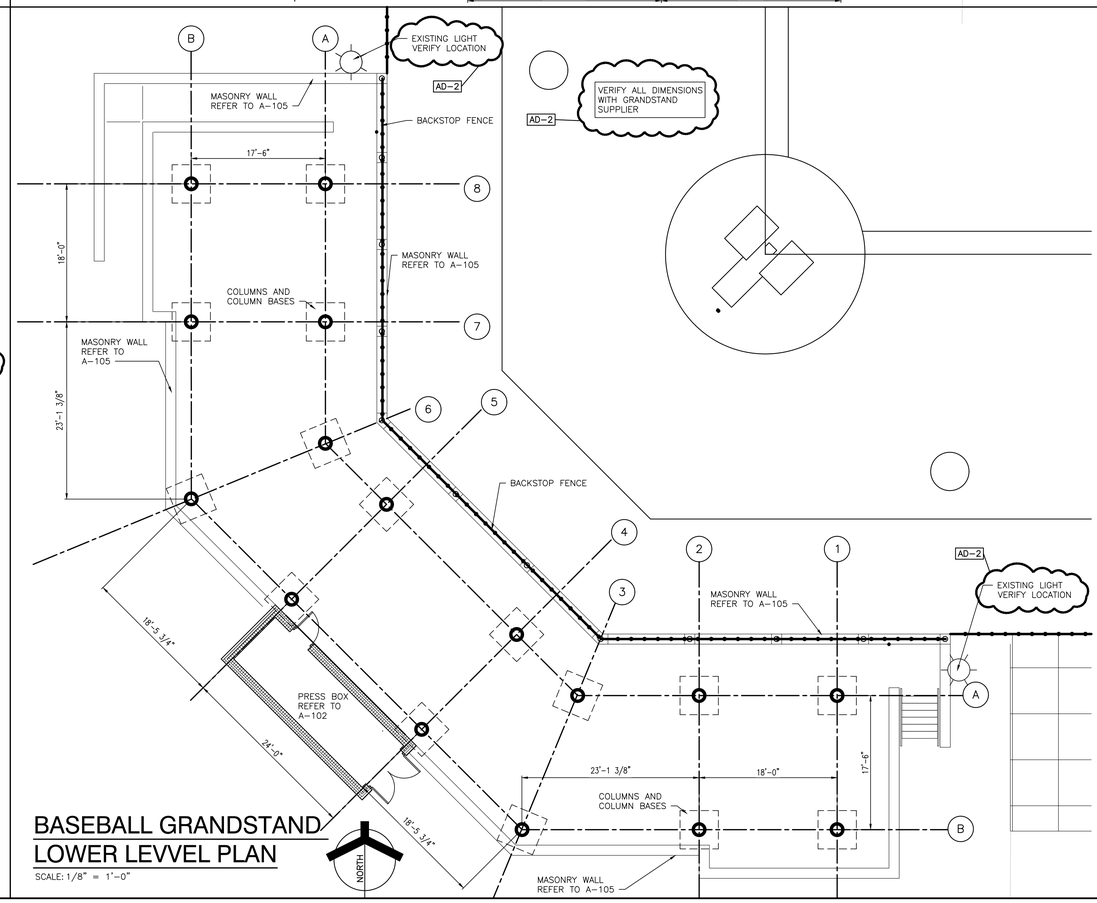
PROJECT
CROWN POINT HIGH SCHOOL - ATHLETIC FIELDS AND SITE IMPROVEMENTS

SHEET
A-102









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PROJECT
CROWN POINT HIGH SCHOOL - ATHLETIC FIELDS AND SITE IMPROVEMENTS

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Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
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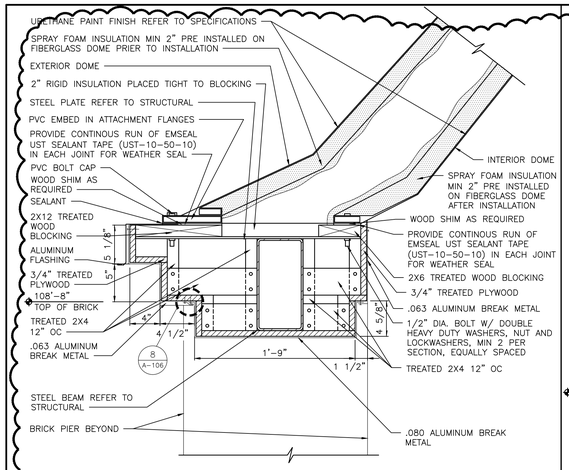
DRAWING
BB AND SB GRANDSTAND PLANS

PROJECT
CROWN POINT HIGH SCHOOL - ATHLETIC FIELDS AND SITE IMPROVEMENTS

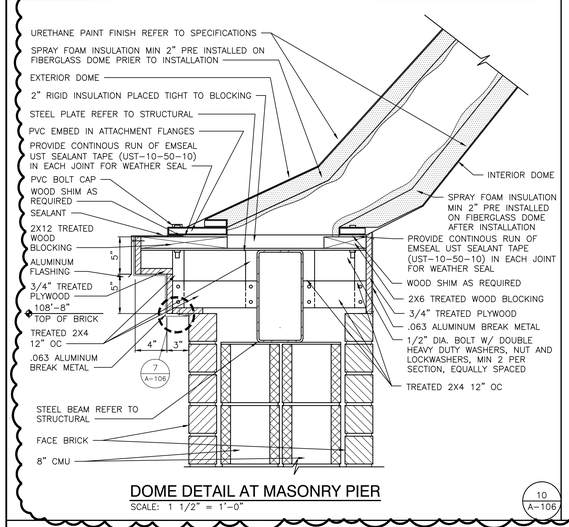
SHEET
A-104

Friday, 9/2/2022 - 1:45 PM - LAST SAVED BY:DBURNS
Y:\21-120 CROWN POINT CSC - CROWN POINT HS ATHLETIC FIELDS AND SITE IMPROVEMENTS\21-120 DRAWINGS\DS ARCH\A-104.DWG



DOME DETAIL AT OPENING

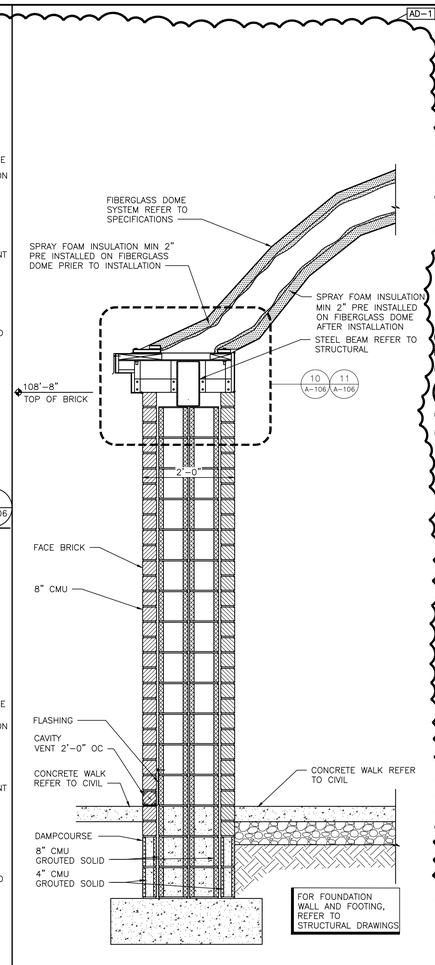
SCALE: 1 1/2" = 1'-0"



DOME DETAIL AT MASONRY PIER

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

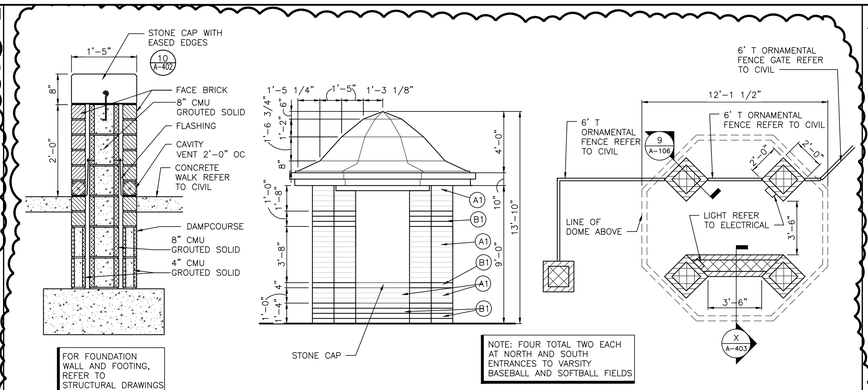
10 A-106



WALL SECTION

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

9 A-106



TICKET BOOTH ELEVATION

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

TICKET BOOTH PLAN

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

3 A-106

GENERAL ELEVATION NOTES:

A. REFER TO STRUCTURAL. DRAWINGS FOR FOUNDATION WALLS AND FOOTINGS.

B. REFER TO FLOOR PLANS FOR EXTERIOR WALL SECTIONS CUTS, UNLESS INDICATED OTHERWISE.

C. FOR LOCATION AND MOUNTING HEIGHTS OF CAMERAS, SPEAKERS, LIGHTS, HORNS, ETC. REFER TO ELECTRICAL AND TECHNOLOGY DRAWINGS.

D. FINISH GRADE INDICATES ON ELEVATIONS ARE FOR DRAWING PURPOSES ONLY. REFER TO CIVIL DRAWINGS FOR ACTUAL GRADES. COORDINATE STEPPED FLASHINGS WITH ACTUAL GRADES AS REQUIRED FOR CELL VENTS TO BE ABOVE GRADE.

E. STEP BRICK LEDGE DOWN AS REQUIRED FOR LEDGE TO BE BELOW GRADE OR CONCRETE WALK. COORDINATE WITH CIVIL DRAWINGS.

F. (CJ) INDICATES CONTROL JOINT.

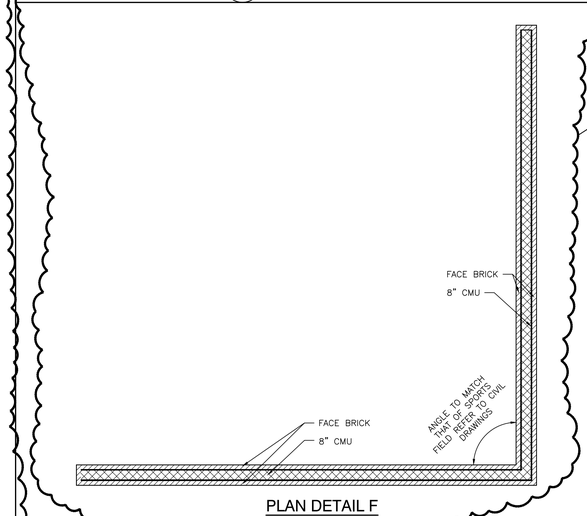
BRICK TYPE NOTES

(A1) FACE BRICK (TYPE A1) COLOR A – 1/3 RUNNING BOND – 4x4x12 UTILITY.

(A2) FACE BRICK (TYPE A2) COLOR A – SOLDIER COURSE – 4x4x12 UTILITY.

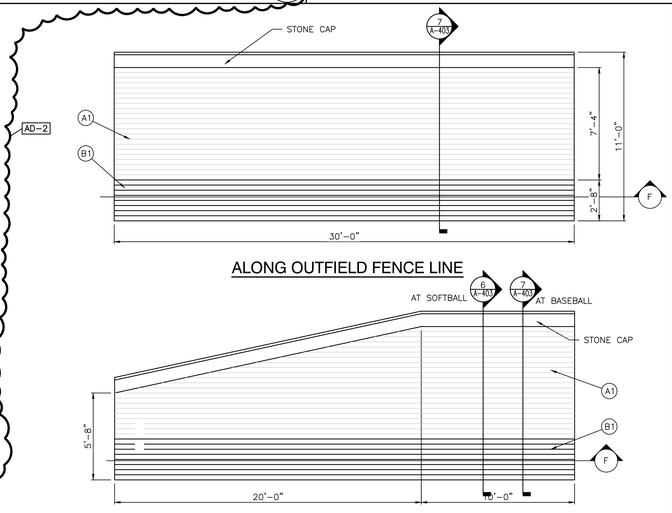
(B1) FACE BRICK (TYPE B1) COLOR B – 1/3 RUNNING BOND – 4x4x12 UTILITY.

(C1) FACE BRICK (TYPE C1) COLOR C – 1/3 RUNNING BOND – 4x4x12 UTILITY.



PLAN DETAIL F

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



ALONG OUTFIELD FENCE LINE

ALONG FIRST AND THIRD BASELINE

PLAN DETAIL F

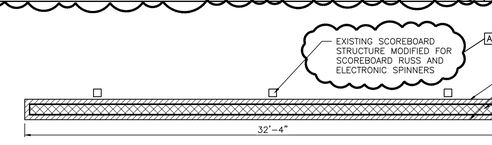
SCALE: 1/4" = 1'-0"

MASONRY WALL AT BASEBALL & SOFTBALL OUTFEILD

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

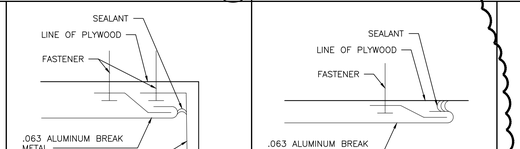
NOTE: FOUR TOTAL TWO EACH AT VARSITY BASEBALL AND SOFTBALL OUTFIELDS

2 A-106



PLAN DETAIL E

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



BREAK METAL DETAIL

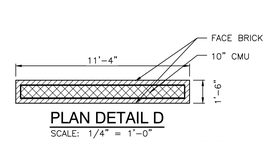
SCALE: 1'-0" = 1'-0"

8 A-106

BREAK METAL DETAIL

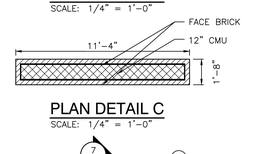
SCALE: 1'-0" = 1'-0"

7 A-106



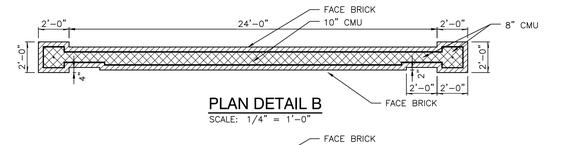
PLAN DETAIL D

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



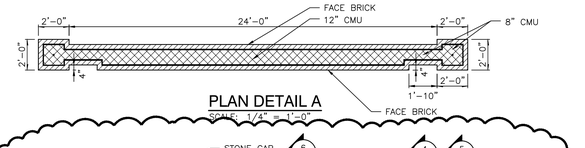
PLAN DETAIL C

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



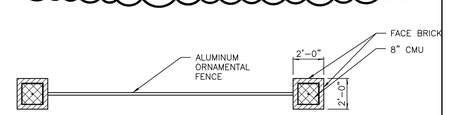
PLAN DETAIL B

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



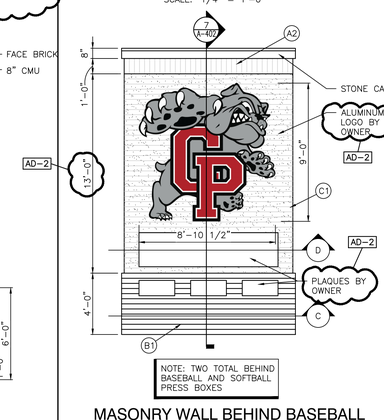
PLAN DETAIL A

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



PLAN DETAIL G

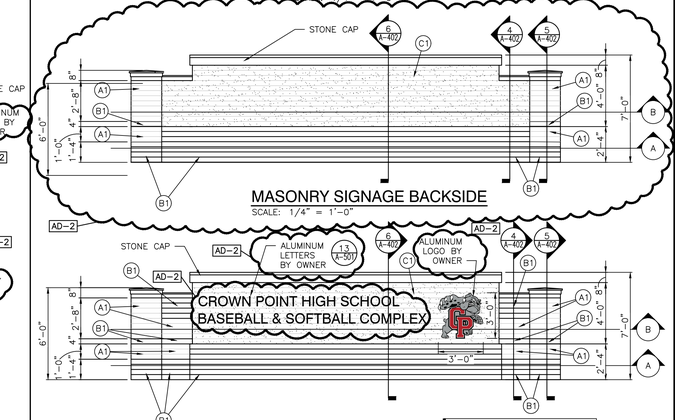
SCALE: 1/4" = 1'-0"



MASONRY WALL BEHIND BASEBALL AND SOFTBALL PRESS BOXES

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

4 A-106



MASONRY SIGNAGE BACKSIDE

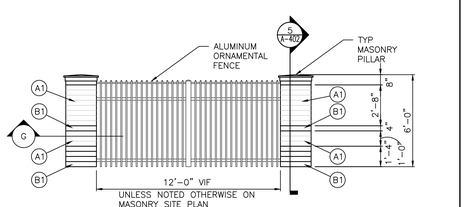
SCALE: 1/4" = 1'-0"

MASONRY SIGNAGE

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

NOTE: TWO TOTAL SIGNS LOCATED AT NORTH AND SOUTH ENTRANCES TO VARSITY BASEBALL AND SOFTBALL FIELDS

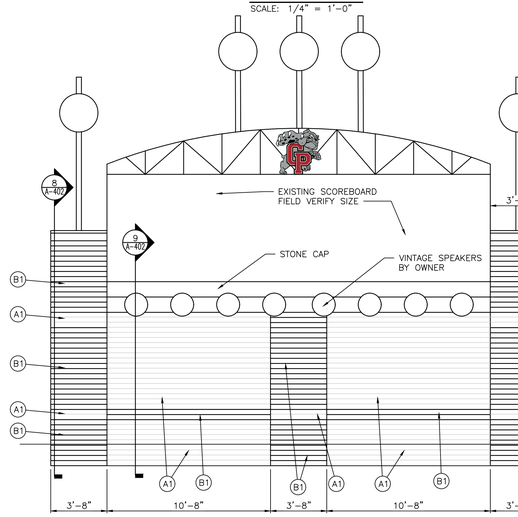
1 A-106



TYP MASONRY PILLAR AND ORNAMENTAL FENCE

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

5 A-106



MASONRY WALL AT BASEBALL SCOREBOARD

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

NOTE: ONE TOTAL BEHIND BASEBALL SCOREBOARD

6 A-106

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GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT

CROWN POINT HIGH SCHOOL - ATHLETIC FIELDS AND SITE IMPROVEMENTS

FOR:
CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

PROJECT 21-120
DATE 08/18/22
COORDINATED BY DTB JPB
DRAWN BY DTB
CHECKED BY DTB JPB

JOSEPH P. BRIGGS REGISTERED NO. 11600109 STATE OF INDIANA ARCHITECT

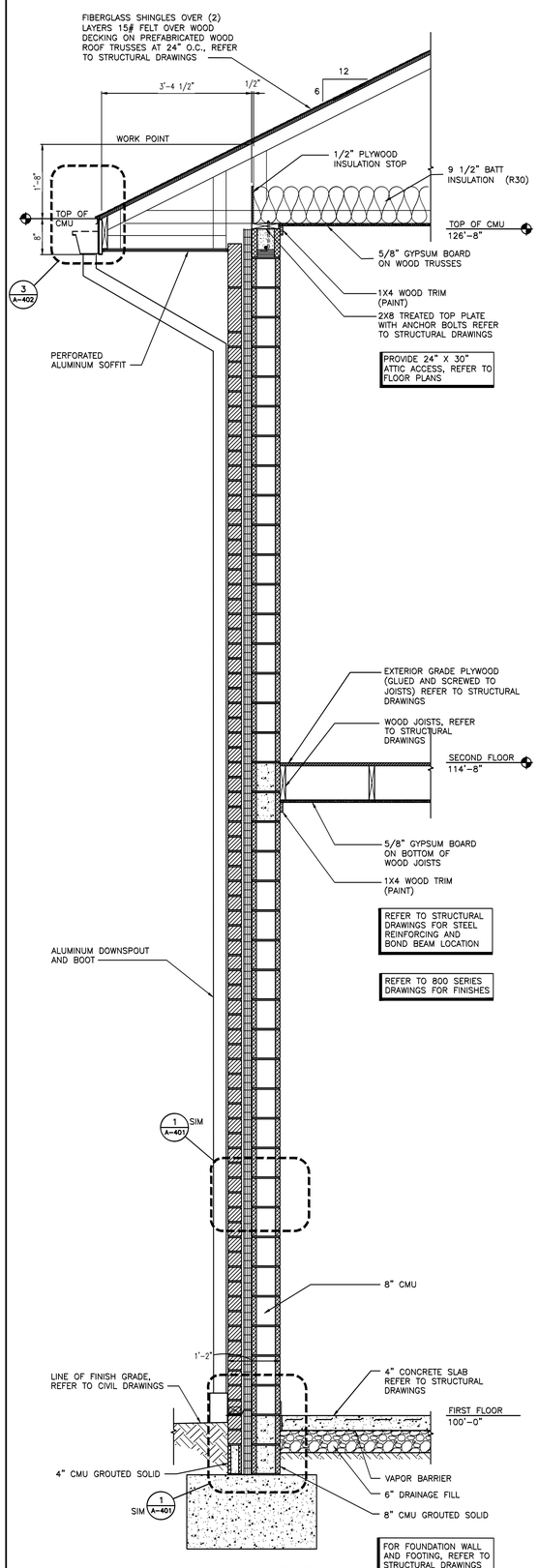
REVISIONS

MARK	DATE	ISSUED FOR
AD-1	08/30/22	ADDENDUM NO. 1
AD-2	09/06/22	ADDENDUM NO. 2

DRAWING
MISCELLANEOUS MASONRY WALL PLANS AND ELEVATIONS

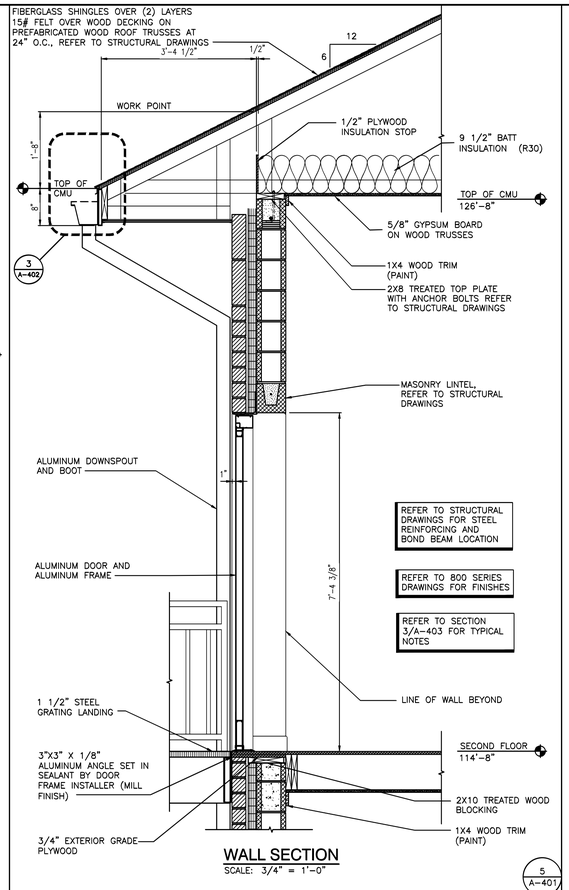
PROJECT
CROWN POINT HIGH SCHOOL - ATHLETIC FIELDS AND SITE IMPROVEMENTS

SHEET
A-106



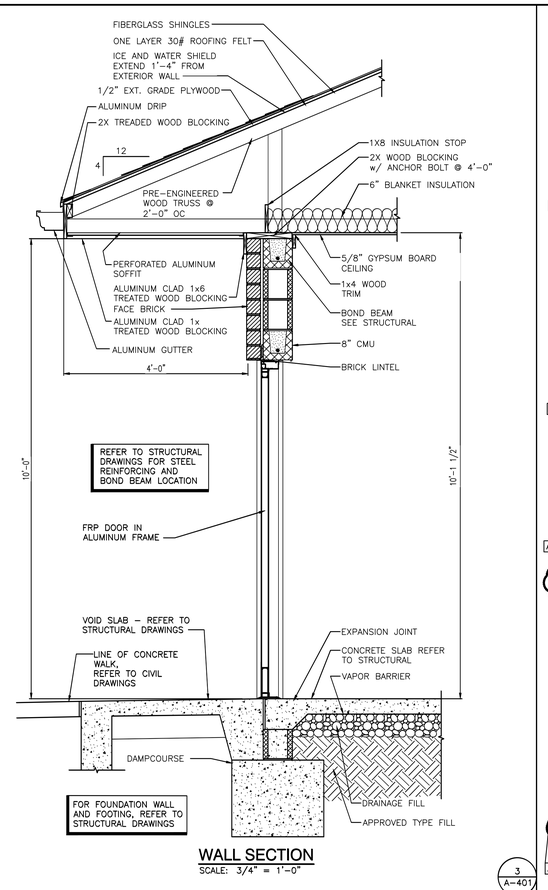
WALL SECTION
SCALE: 3/4" = 1'-0"

6 A-401



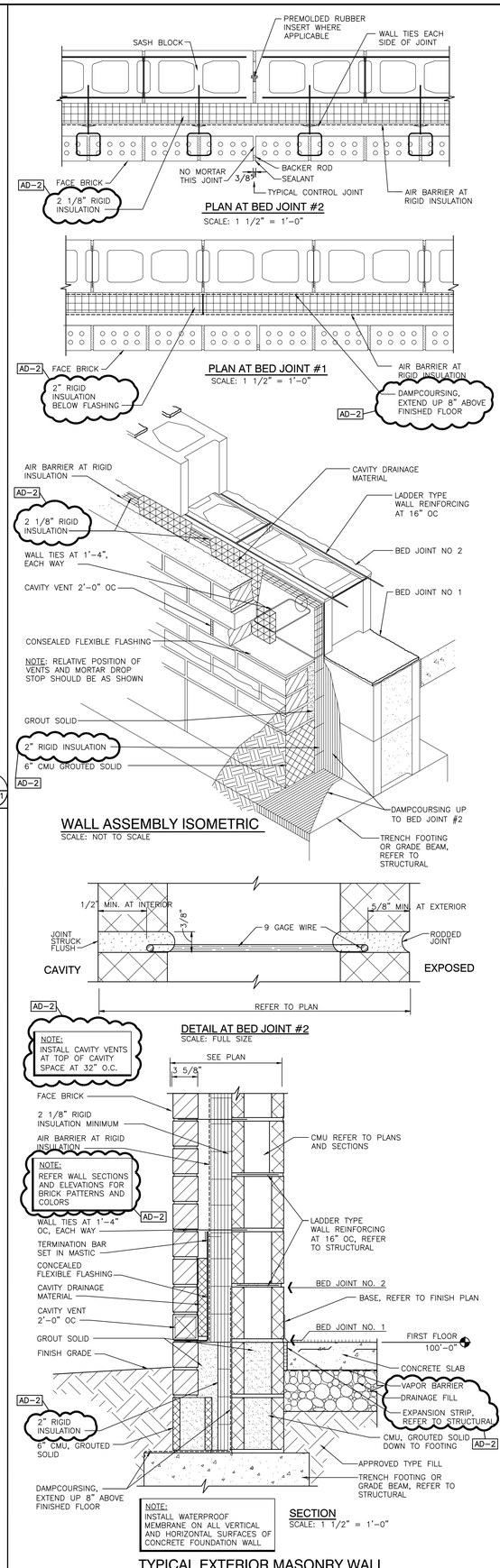
WALL SECTION
SCALE: 3/4" = 1'-0"

5 A-401



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

3 A-401



PLAN AT BED JOINT #2
SCALE: 1 1/2" = 1'-0"

PLAN AT BED JOINT #1
SCALE: 1 1/2" = 1'-0"

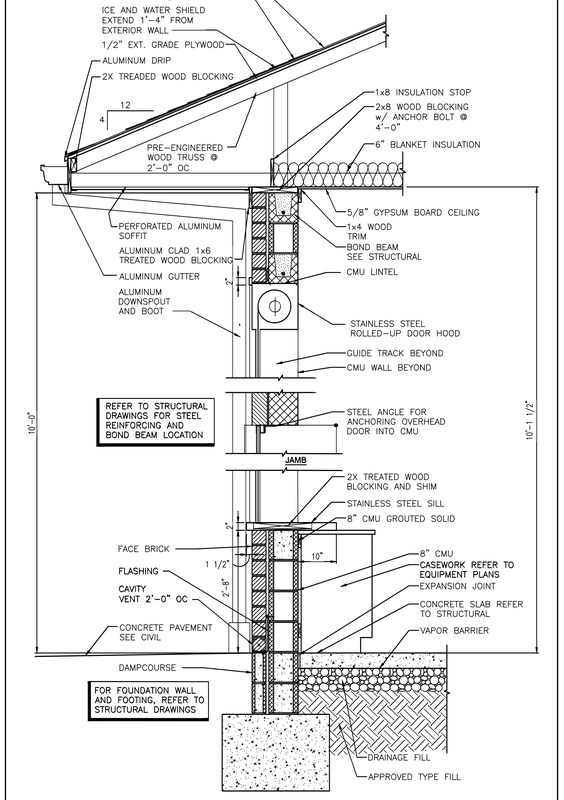
WALL ASSEMBLY ISOMETRIC
SCALE: NOT TO SCALE

DETAIL AT BED JOINT #2
SCALE: FULL SIZE

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

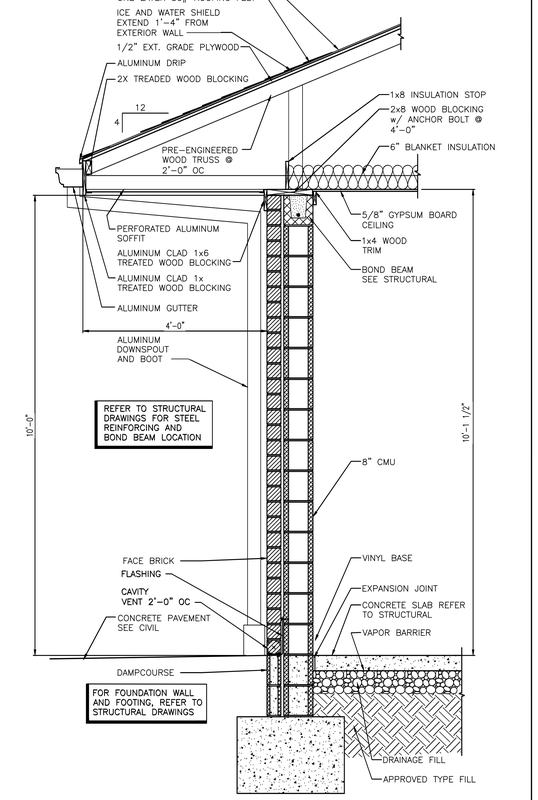
TYPICAL EXTERIOR MASONRY WALL CONSTRUCTION DETAIL
SCALE: AS INDICATED

1 A-401



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

4 A-401



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

2 A-401

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PROJECT
CROWN POINT HIGH SCHOOL - ATHLETIC FIELDS AND SITE IMPROVEMENTS

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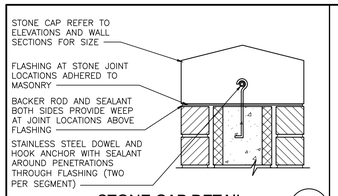
AD-2	09/06/22	ADDENDUM NO. 2

DRAWING
WALL SECTIONS

PROJECT
CROWN POINT HIGH SCHOOL - ATHLETIC FIELDS AND SITE IMPROVEMENTS

SHEET
A-401

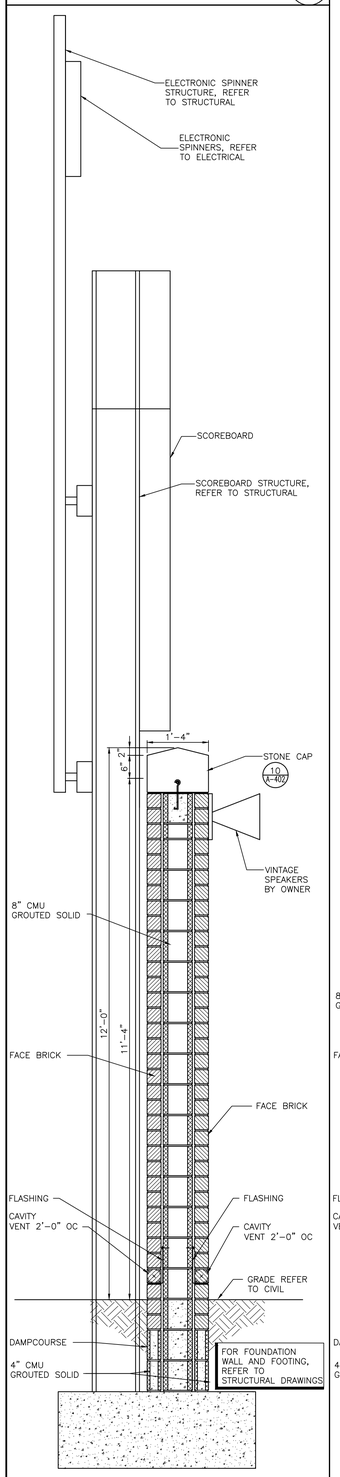
Friday, 9/2/2022 - 1:50 PM - LAST SAVED BY:DBURNS
Y:\21-120 CROWN POINT CSC - CROWN POINT HS ATHLETIC FIELDS AND SITE IMPROVEMENTS\21-120 DRAWINGS\05 ARCH\A-401.DWG



STONE CAP DETAIL

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

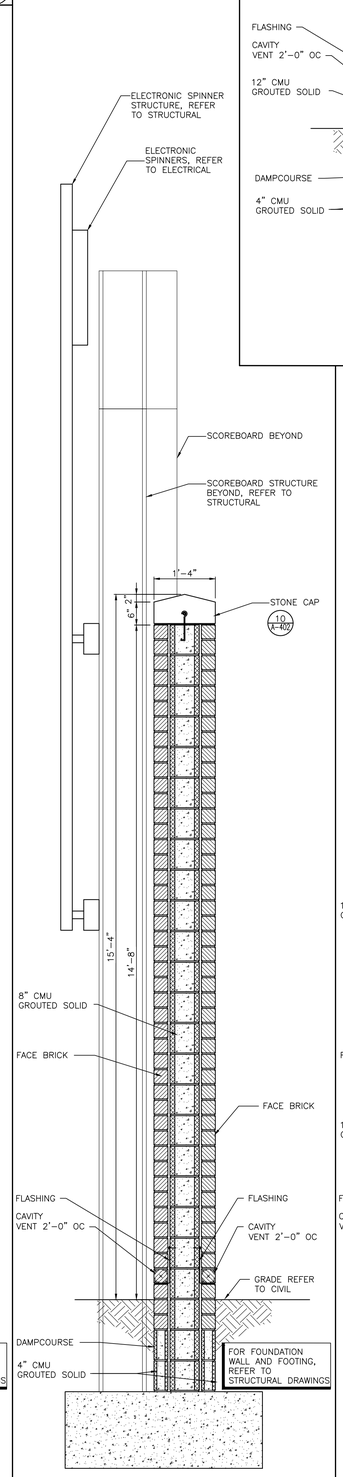
10 / A-402



WALL SECTION

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

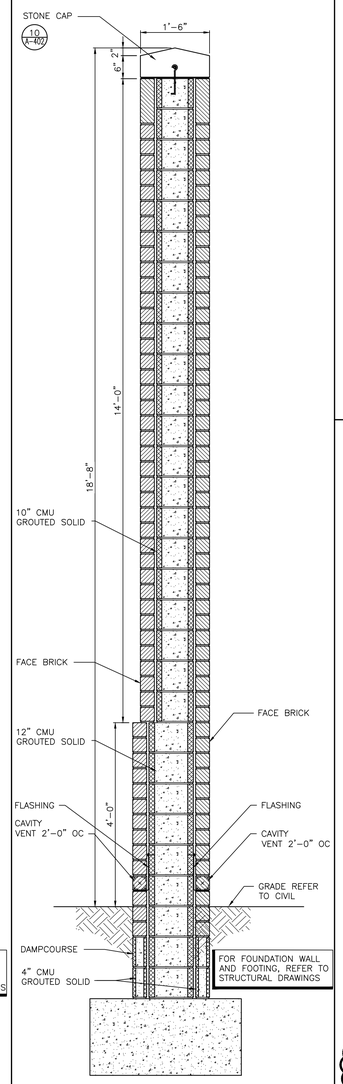
9 / A-402



WALL SECTION

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

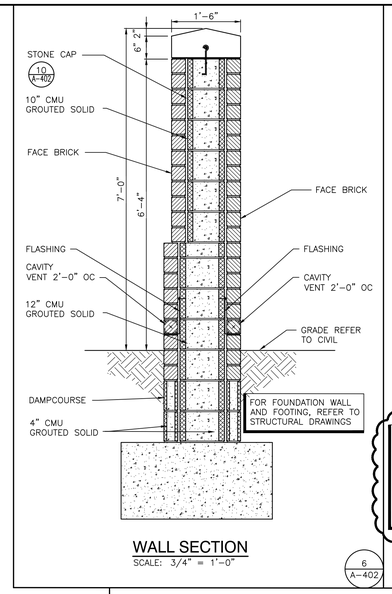
8 / A-402



WALL SECTION

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

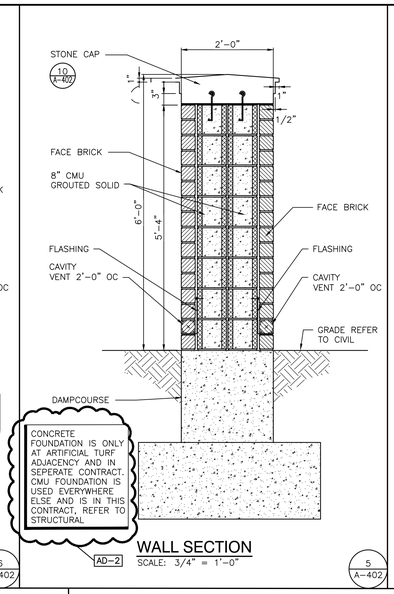
7 / A-402



WALL SECTION

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

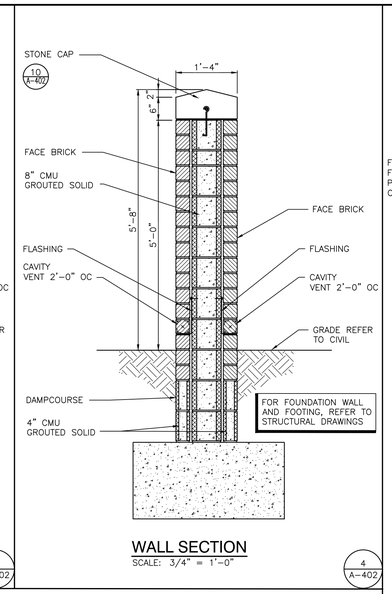
6 / A-402



WALL SECTION

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

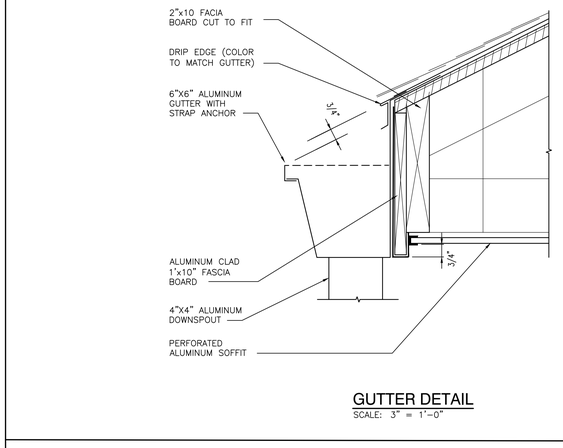
5 / A-402



WALL SECTION

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

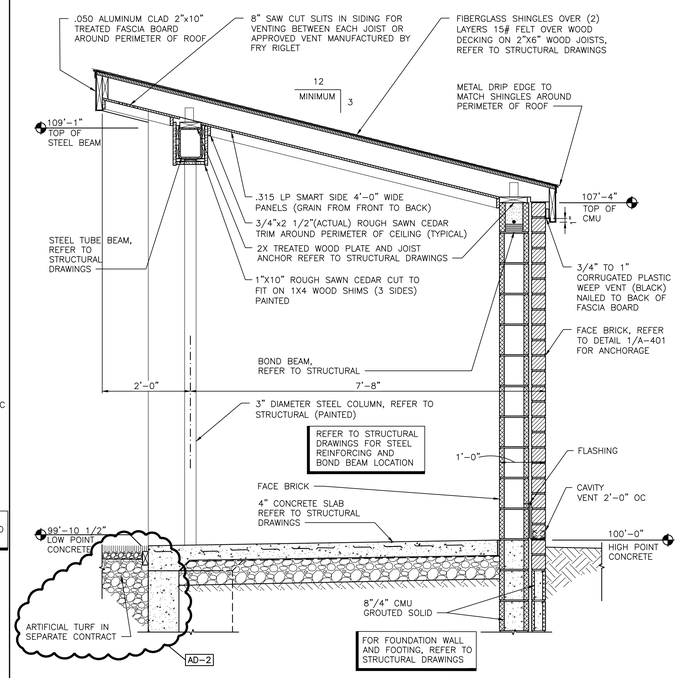
4 / A-402



GUTTER DETAIL

SCALE: 3" = 1'-0"

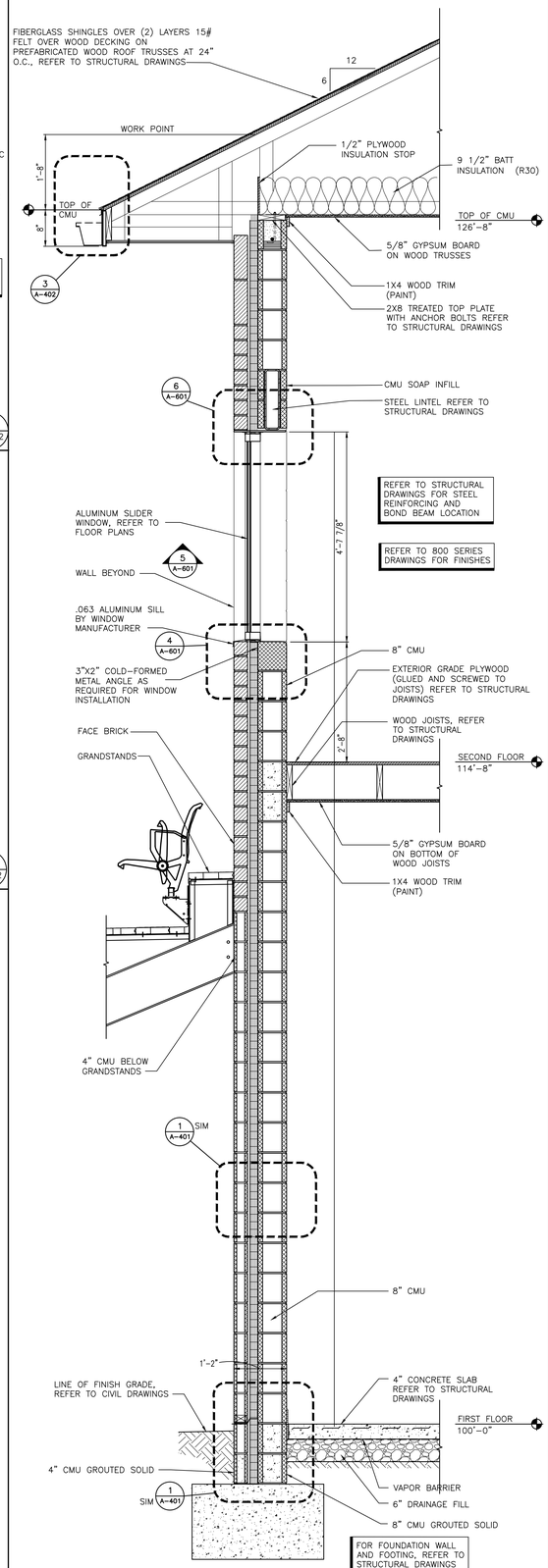
3 / A-402



WALL SECTION

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

2 / A-402



WALL SECTION

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

1 / A-402

GIBRALTAR

DESIGN

ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

CROWN POINT HIGH SCHOOL - ATHLETIC FIELDS AND SITE IMPROVEMENTS

FOR:
CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 21-120
DATE 08/18/22
COORDINATED BY DTB JPB
DRAWN BY DTB
CHECKED BY DTB JPB

JOSEPH P. BRIGGS REGISTERED NO. 11600109 STATE OF INDIANA ARCHITECT

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	09/06/22	ADDENDUM NO. 2

DRAWING

WALL SECTIONS

PROJECT

CROWN POINT HIGH SCHOOL - ATHLETIC FIELDS AND SITE IMPROVEMENTS

SHEET

A-402

Friday, 9/2/2022 - 1:51 PM - LAST SAVED BY:DBURNS
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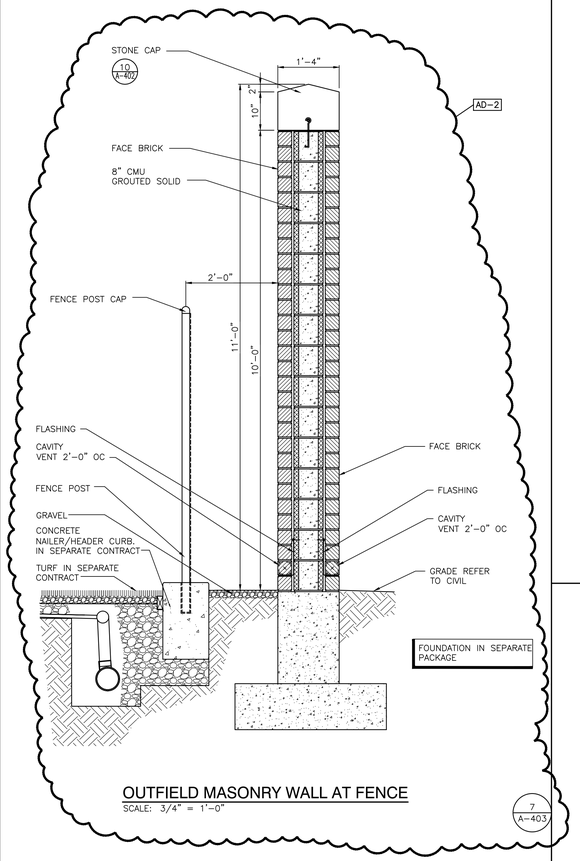
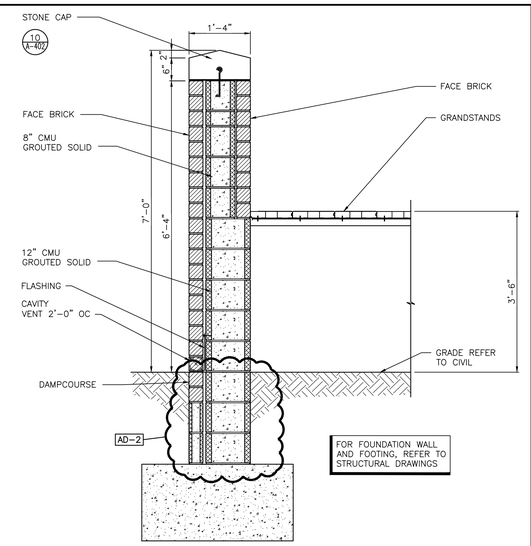


OUTFIELD MASONRY WALL AT FENCE

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

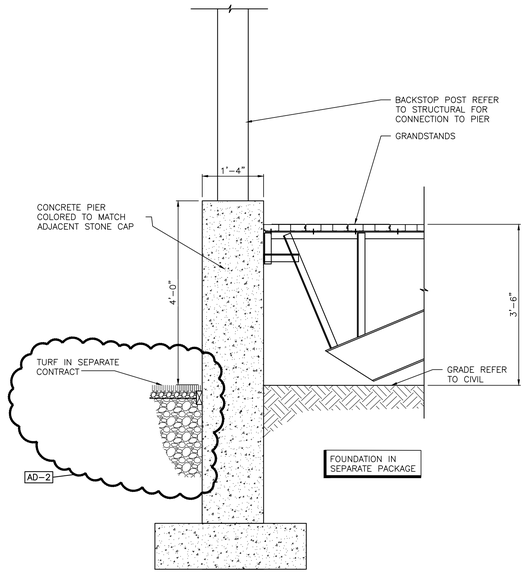
7 / A-403



WALL SECTION

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

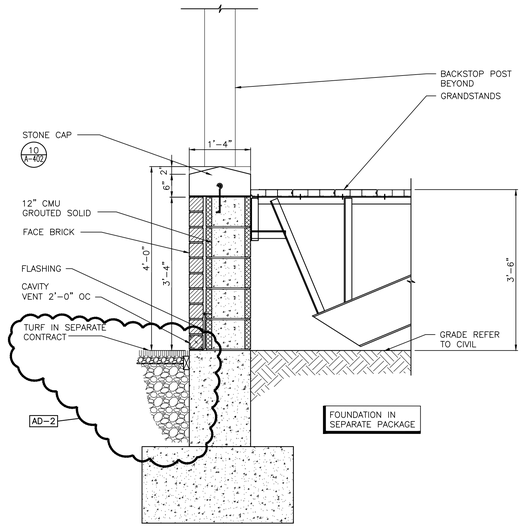
5 / A-403



WALL SECTION

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

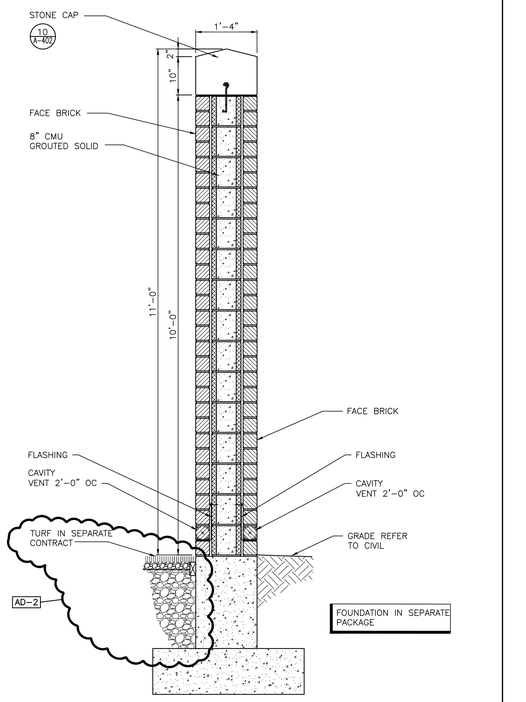
3 / A-403



WALL SECTION

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

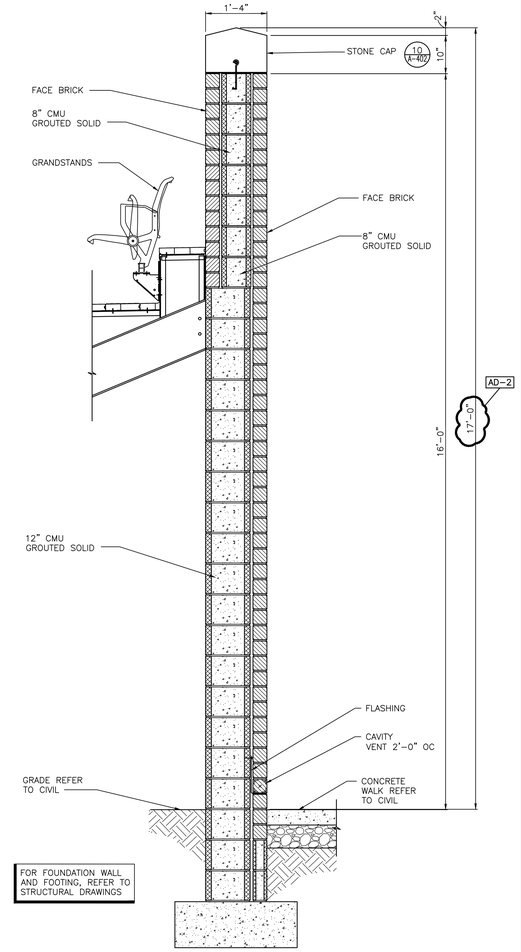
2 / A-403



WALL SECTION

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

6 / A-403



WALL SECTION

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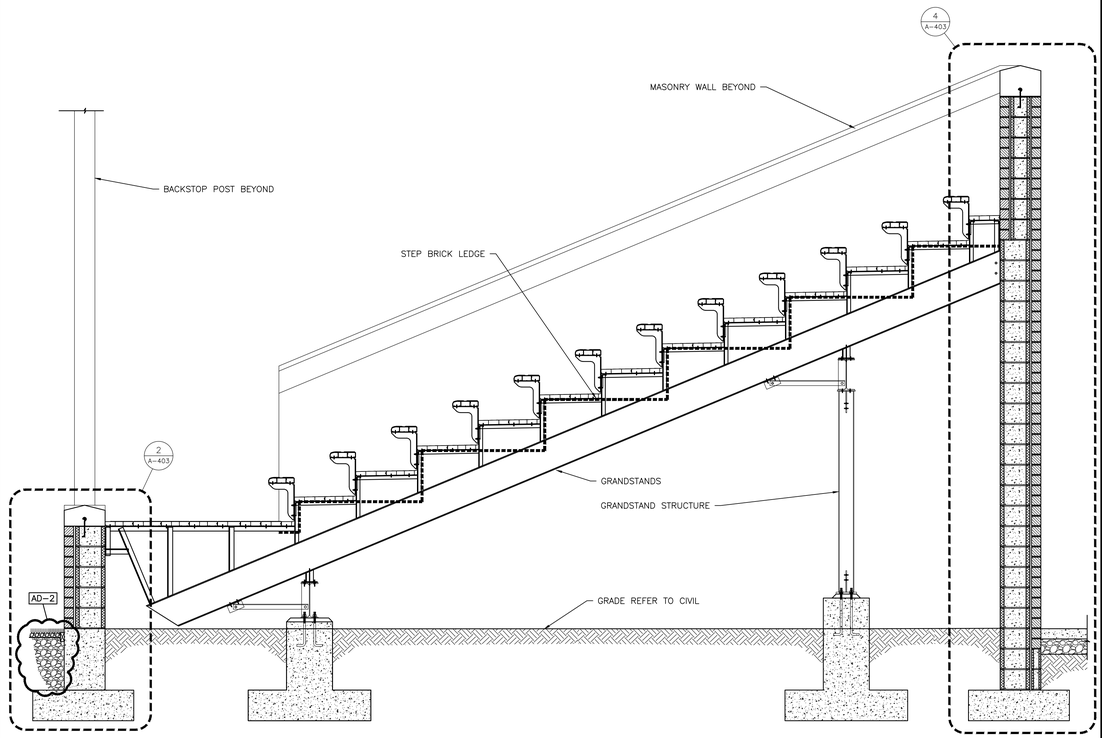
4 / A-403



GRANSTAND SECTION

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

1 / A-403

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

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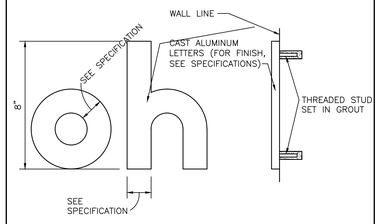
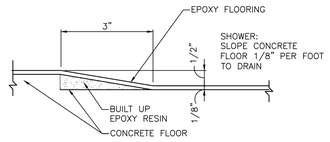


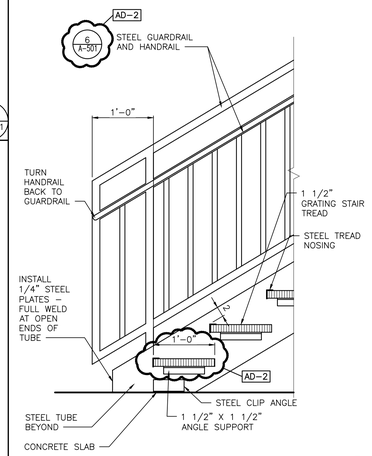
ALUMINUM LETTERDETAIL
SCALE: 1 1/2" = 1'-0"

13 A-501



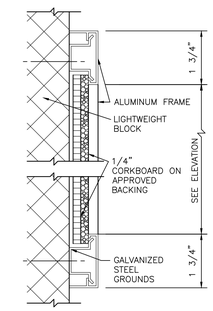
SHOWER CURB DETAIL
SCALE: 6" = 1'-0"

11 A-501

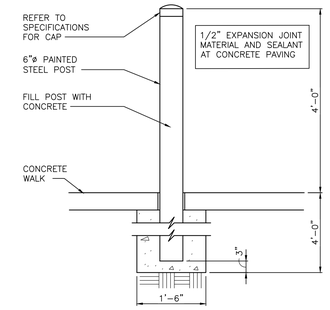


STAIR DETAIL
SCALE: 1" = 1'-0"

7 A-501

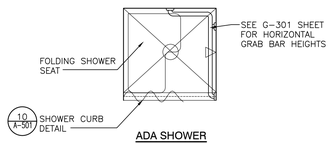


SECTION B
SCALE: 6" = 1'-0"

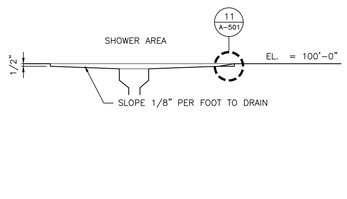


PIPE BOLLARD
SCALE: 3/4" = 1'-0"

2 A-501

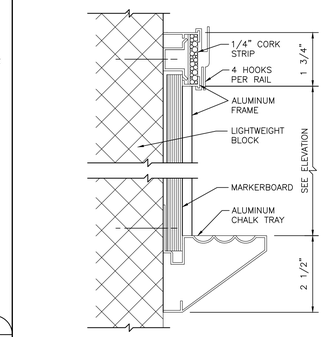


ADA SHOWER



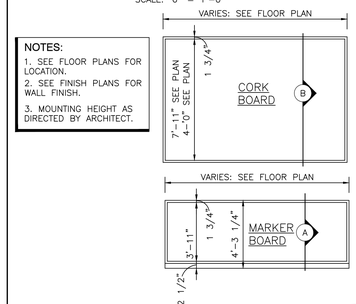
SINGLE SHOWER
SCALE: 1" = 1'-0"

10 A-501



GUARDRAIL DETAIL
SCALE: 1" = 1'-0"

6 A-501

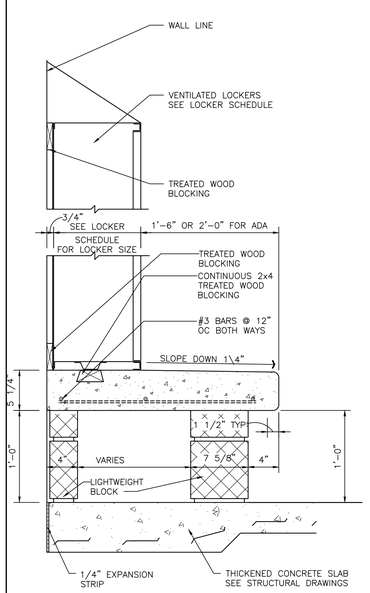


MARKER/CORK BOARD ELEVATIONS
SCALE: 1/4" = 1'-0"

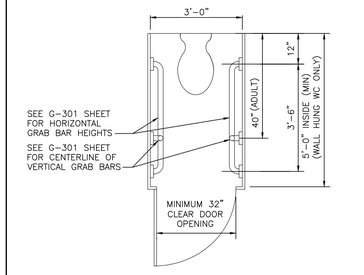
3 A-501

NOTES:
1. SEE FLOOR PLANS FOR LOCATION.
2. SEE FINISH PLANS FOR WALL FINISH.
3. MOUNTING HEIGHT AS DIRECTED BY ARCHITECT.

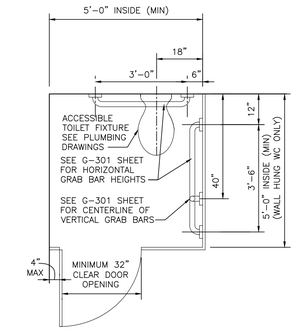
SECTION "A"
SCALE: 6" = 1'-0"



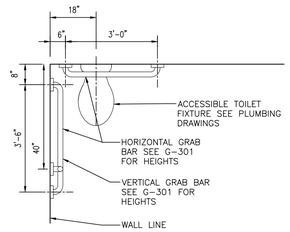
LOCKER BENCH
SCALE: 1 1/2" = 1'-0"



AMBULATORY TOILET COMPARTMENT



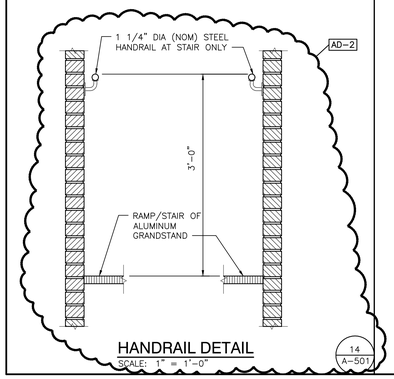
TOILET COMPARTMENT



PRIVATE TOILET

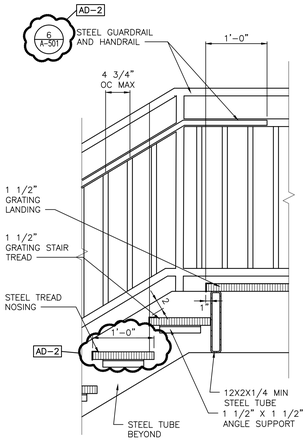
ACCESSIBLE FACILITIES
SCALE: 1/2" = 1'-0"

12 A-501



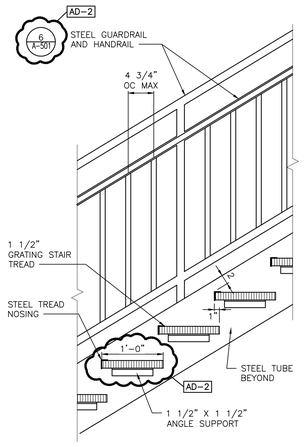
HANDRAIL DETAIL
SCALE: 1" = 1'-0"

14 A-501



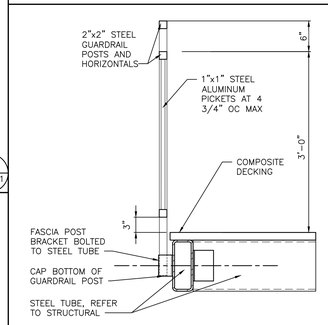
STAIR DETAIL
SCALE: 1" = 1'-0"

9 A-501



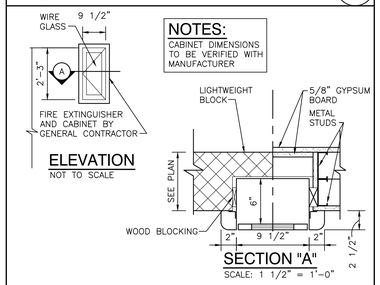
STAIR DETAIL
SCALE: 1" = 1'-0"

8 A-501



TENNIS PLATFORM GUARDRAIL DETAIL
SCALE: 1" = 1'-0"

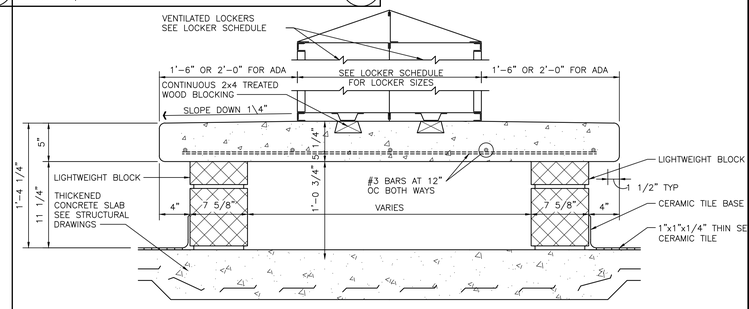
5 A-501



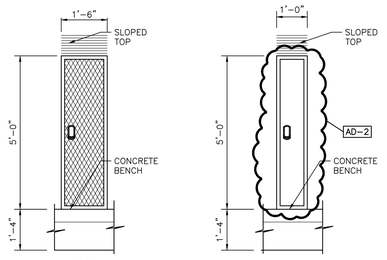
SEMI-RECESSED FIRE EXTINGUISHER CABINET
SCALE: 1 1/2" = 1'-0"

4 A-501

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



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



TYPICAL LOCKER ELEVATIONS & DETAILS
SCALE: 1/2" = 1'-0"

1 A-501

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TYPICAL DETAILS

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GLASS SCHEDULE	
MK	GLASS TYPES
A	1" INSUL. GLASS
B	1/4" CLEAR TEMPERED

LOUVER SCHEDULE	
MK	LOUVER SIZE

DOOR AND FRAME SCHEDULE

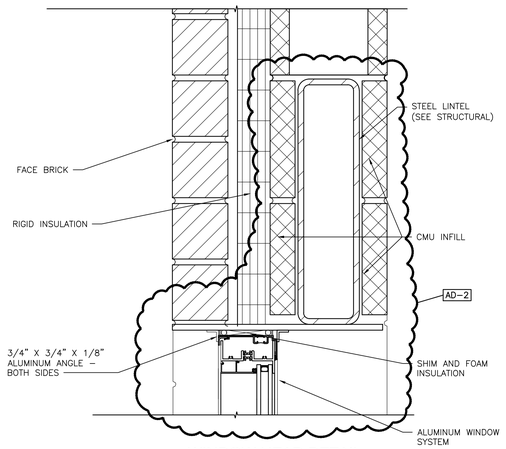
	DOOR					GLASS				FRAME					LABEL	HARDWARE		NOTES
NO	DESCRIPTION	TYPE	DOOR SIZE (WxH) (INCHES)	MATERIAL	LOU	DOOR	SIDE LGT	TRA	MAT'L	WIDTH	JAMB	HEAD	SILL	ELEV		EXIT DEVICE	CLOSER	
A-101A	SINGLE	1	42 x 86	AL					AL	4 1/2"		H1	J1	SF1				1
A-101B	OVERHEAD DOOR	1	96 x 62								4/A-401	4/A-401	4/A-401					
A-101C	OVERHEAD DOOR	1	72 x 62								4/A-401	4/A-401	4/A-401		AD-2			
A-102A	SINGLE	1	42 x 86	AL					AL	4 1/2"	J1	H1		SF1				1
A-103A	SINGLE	1	42 x 86	AL					AL	4 1/2"	J1	H1		SF1				1
A-104A	SINGLE	1	36 x 86	AL					AL	4 1/2"	J1	H1		SF1			YES	1
A-104B	SINGLE	1	36 x 86	AL					AL	4 1/2"	J1	H1		SF1			YES	1
A-105A	SINGLE	1	36 x 86	AL					AL	4 1/2"	J1	H1		SF1			YES	1
A-106A	SINGLE	1	36 x 86	AL					AL	4 1/2"	J1	H1		SF1			YES	1
A-106B	SINGLE	1	36 x 86	AL					AL	4 1/2"	J1	H1		SF1			YES	1
A-107A	SINGLE	1	36 x 86	AL					AL	4 1/2"	J1	H1		SF1			YES	1
A-107B	SINGLE	1	36 x 86	AL					AL	4 1/2"	J1	H1		SF1			YES	1
A-109A	SINGLE	1	36 x 86	AL					AL	4 1/2"	J1	H1		SF1				1
A-109B	BORROWED LIGHT	1	40x 48	AL			B		AL	4 1/2"	J2	H2	S1	SF3				
A-110A	SINGLE	1	36 x 86	AL					AL	4 1/2"	J1	H1	AD-2	SF1				1
A-110B	BORROWED LIGHT	1	40 x 48	AL			B		AL	4 1/2"	J2	H2	S1	SF3				
A-112A	SINGLE	1	36 x 86	AL					AL	4 1/2"	J1	H1		SF1			YES	1
A-112B	SINGLE	1	36 x 86	AL					AL	4 1/2"	J1	H1		SF1			YES	1
B-101A	DOUBLE	1	PR 36 x 86	AL					AL	4 1/2"	J1	H1		SF2				1,2
B-101B	SINGLE	1	36 x 86	AL					AL	4 1/2"	J1	H1		SF1				1
B-201A	SINGLE	1	36 x 86	AL					AL	4 1/2"	J1	H1		SF1				1

GENERAL DOOR NOTES

A. JAMB, HEAD, AND SILL DO NOT SHOW WALL CONSTRUCTION. SEE FLOOR PLAN FOR WALL MATERIALS. REFER TO A800 SERIES DRAWINGS FOR WALL FINISHES.
B. SEAL ALL JAMBS AND HEADS WHERE FRAMES MEET EXPOSED MASONRY AND/OR GYPSUM BOARD.
C. PROVIDE A SCRIBE MOLD AT ALL EXTERIOR DOOR FRAMES AND WHERE NOTED ON DRAWINGS. SCRIBE MOLD TO BE 3/4" X 3/4" METAL AT EXTERIOR OF METAL FRAMES AND AT BOTH SIDES OF ALUMINUM FRAMES. SET SCRIBE MOLDS IN SEALANT.
D. PROVIDE GLAZING AND GLASS STOPS AS REQUIRED.
E. FIELD VERIFY ALL DIMENSIONS AND CONDITIONS, BOTH NEW AND EXISTING.
F. SHIM SPACE IS NOT SHOWN ON DOOR FRAME ELEVATIONS FOR ALUMINUM STOREFRONT. TAKE THESE DIMENSIONS INTO ACCOUNT AND ADJUST DIMENSIONS ACCORDINGLY.

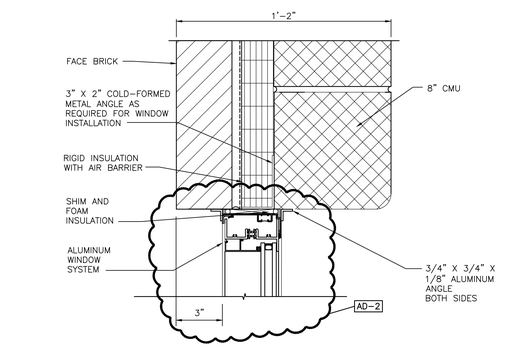
DOOR SCHEDULE NOTES (REMARKS):

1. PROVIDE ALUMINUM THRESHOLD SET IN FULL BED OF MASTIC.
2. KEYED REMOVABLE MULLION.



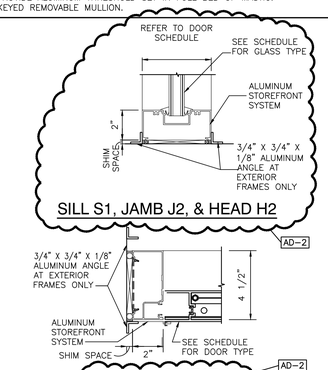
WINDOW HEAD DETAIL
SCALE: 3" = 1'-0"

6 A-601



WINDOW JAMB DETAIL
SCALE: 3" = 1'-0"

5 A-601



SILL S1, JAMB J2, & HEAD H2

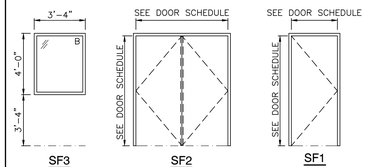
JAMB J1, & HEAD H1

STOREFRONT (SF) FRAME PROFILES
SCALE: 3" = 1'-0"

3 A-601

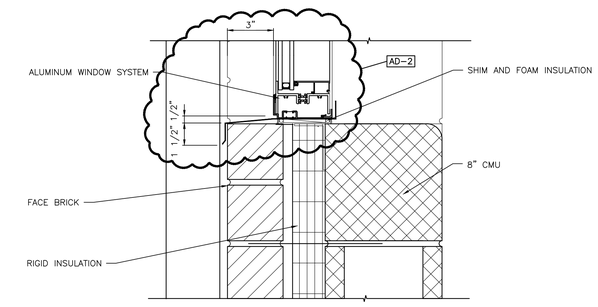
NOTES - ALUMINUM STOREFRONT (SF)

1. PROVIDE SHIM SPACE, BACKER ROD AND SEALANT AROUND PERIMETER OF ALL STOREFRONT FRAMING WHERE FRAMING ABUTES DISIMILAR MATERIALS.
2. PROVIDE FOAM INSULATION IN SHIM SPACE AROUND PERIMETER OF ALL EXTERIOR STOREFRONT FRAMING.
3. DIMENSIONS SHOWN ARE NOMINAL. FIELD VERIFY ALL DIMENSIONS SHOWN PRIOR TO FABRICATION AND INSTALLATION.
4. ALL FRAMES IN EXTERIOR WALLS SHALL BE THERMALLY BROKEN



SF3 SF2 SF1

2 A-601

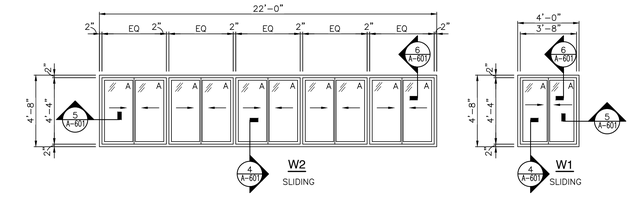


WINDOW SILL DETAIL
SCALE: 3" = 1'-0"

4 A-601

NOTES - ALUMINUM WINDOWS (W)

1. PROVIDE SHIM SPACE, BACKER ROD AND SEALANT AROUND PERIMETER OF ALL WINDOW FRAMING WHERE FRAMING ABUTES DISIMLILAR MATERIALS.
2. PROVIDE FOAM INSULATION IN SHIM SPACE AROUND PERIMETER OF ALL EXTERIOR WINDOW FRAMING.
3. DIMENSIONS SHOWN ARE NOMINAL. FIELD VERIFY ALL DIMENSIONS SHOWN PRIOR TO FABRICATION AND INSTALLATION.
4. ALL FRAMES IN EXTERIOR WALLS SHALL BE THERMALLY BROKEN WITH 1" INSULATED GLAZING.
5. ALL GLAZING SHALL CONFORM TO STATE AND LOCAL CODES.



ALUMINUM WINDOW ELEVATIONS (W)
SCALE: 1/4" = 1'-0"

1 A-601

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
CROWN POINT HIGH SCHOOL - ATHLETIC FIELDS AND SITE IMPROVEMENTS

FOR:
CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 21-120
DATE 08/18/22
COORDINATED BY DTB JPB
DRAWN BY DTB
CHECKED BY DTB JPB

JOSEPH P. BRIGGS REGISTERED NO. 11600109 STATE OF INDIANA ARCHITECT

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	09/06/22	ADDENDUM NO. 2

DRAWING
DOOR AND FRAME SCHEDULE, PROFILES, ELEVATIONS, AND DETAILS

PROJECT
CROWN POINT HIGH SCHOOL - ATHLETIC FIELDS AND SITE IMPROVEMENTS

SHEET
A-601

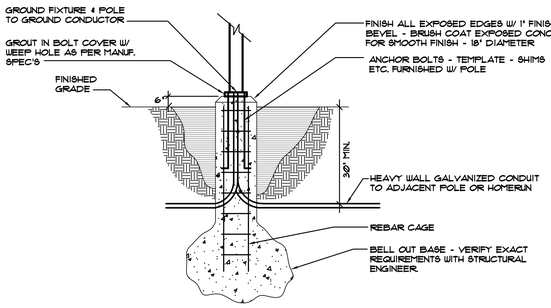
Friday, 9/2/2022 - 1:52 PM - LAST SAVED BY:DBURNS
Y:\21-120 CROWN POINT CSC - CROWN POINT HS ATHLETIC FIELDS AND SITE IMPROVEMENTS\21-120 DRAWINGS\05 ARCH\A-601.DWG

ELECTRICAL ABBREVIATIONS

NOTE:
ABBREVIATIONS USED ON DRAWINGS IN GENERAL ARE LISTED BELOW. REFER TO CSI SECTION 01420 FOR ANY ABBREVIATIONS LISTED ON THE DRAWINGS BUT ARE NOT LISTED BELOW.

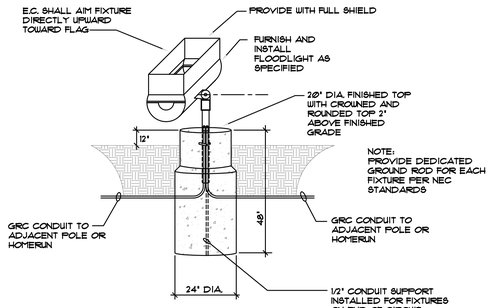
A	AMPS	KVA	KILOVOLT AMPERE
AC	AIR CONDITIONING	KW	KILOWATTS
AFF	ABOVE FINISHED FLOOR	MECH	MECHANICAL
AFG	ABOVE FINISHED GRADE	MTD	MOUNTED
BRKR	BREAKER	NE	NEW LOCATION OF EXISTING RELOCATED DEVICE
C	CONDUIT	NIC	NOT IN CONTRACT
CH	CABINET HEATER	NL	NIGHTLIGHT
CKT	CIRCUIT	NTS	NOT TO SCALE
DISTR	DISTRIBUTION	O/C	ON CENTER
EF	EXHAUST FAN	P	POLE
ELEC	ELECTRICAL	PNL	PANEL
EM	EMERGENCY	PH	PHASE
EMT	ELECTRICAL METALLIC TUBING	RR	REMOVE AND RELOCATE EXISTING DEVICE
ER	EXISTING DEVICE TO BE REMOVED	SW	SWITCH
EX	EXISTING DEVICE TO REMAIN	TYP	TYPICAL
F	FUSE	UON	UNLESS OTHERWISE NOTED
FS	FUSIBLE SWITCH	V	VOLTS
G	GROUND	VIF	VERIFY IN FIELD
GFI	GROUND FAULT INTERRUPTING PROTECTION	W	WATTS
GRC	GALVANIZED RIGID CONDUIT	WP	WEATHERPROOF TYPE DEVICE
HP	HORSEPOWER	WG	WIRE GUARD
J	JUNCTION BOX	F&I	FURNISH AND INSTALL

POLE BASE DETAIL

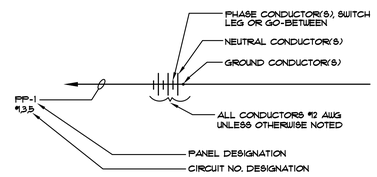


NOTE: VERIFY EXACT CONSTRUCTION OF POLE BASE WITH STRUCTURAL ENGINEER PRIOR TO INSTALLATION.

TYPE 'ED' INSTALLATION DETAIL



KEY TO ELECTRICAL CIRCUIT WIRING



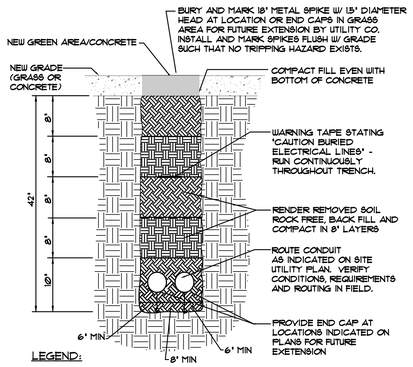
NOTES:
1. ALL WIRING SHALL BE #12 AWG, UNLESS OTHERWISE NOTED.
2. MINIMUM CONDUIT SIZE SHALL BE ¾" EXCEPT FOR THREE (3) WIRES OR LESS, OR CONTROL WIRING WITHIN BUILDINGS, WHICH MAY BE ½" CONDUIT.
3. ½" FLEXSTEEL, GREENFIELD OR SEALITE SHALL BE THE MINIMUM SIZE INSTALLED.

FIXTURE GENERAL NOTES

1. INTERIOR FIXTURES, EXTERIOR FIXTURES AND POLE FINISHES AND COLORS TO BE SELECTED BY ARCHITECT. THE ARCHITECT MAY, AT THEIR DISCRETION, CHOOSE A CUSTOM COLOR AT NO ADDITIONAL CHARGE.
2. PENDANT FIXTURES SPECIFIED ON THIS PROJECT SHALL BE CAREFULLY COORDINATED WITH CONTRACT DOCUMENTS AND FIXTURE MANUFACTURER AS EACH PENDANT FIXTURE IS A CUSTOM MANUFACTURED FIXTURE. PROVIDE PENDANT EMERGENCY SECTIONS AND EMERGENCY CIRCUITS AS SHOWN. COORDINATE WITH FIXTURE MANUFACTURER AND PROVIDE ADDITIONAL ACCESSORIES FOR A COMPLETE AND PROPER INSTALLATION. PROVIDE PROPER FIXTURE LENGTH, FEEDS, SINGLE AND DUAL CIRCUITING AND SUSPENSION LENGTH AS SHOWN ON DRAWINGS. PROVIDE FABRICATION DRAWINGS FOR REVIEW AS PART OF THE SHOP DRAWING SUBMITTAL PROCESS.
3. LED FIXTURES (LESS THAN 10000 LUMENS) SHALL BE PROVIDED WITH FACTORY INSTALLED INTEGRAL EMERGENCY BATTERY UNITS BATTERY UNITS SHALL PROVIDE A MINIMUM OF 1400 LUMENS.
4. FIXTURES THAT CANNOT BE PROVIDED WITH EMERGENCY BALLASTS OR FIXTURES WITH GREATER THAN 10000 LUMENS SHALL BE PROVIDED WITH EMERGENCY INVERTER (MYERS ®LV SERIES OR APPROVED EQUAL) WITH SUITABLE CAPACITY TO POWER FIXTURE FOR A MINIMUM OF 90 MINUTES PER CODE. VERIFY SIZING AND REQUIREMENTS WITH CONTRACT DOCUMENTS PRIOR TO ORDERING.
5. SHADED FIXTURES SHALL HAVE AN EMERGENCY SOURCE OF POWER AS SPECIFIED.
6. EXTERIOR LIGHTING POLES SHALL BE PROVIDED WITH STRAIGHT SQUARE STEEL POLES WITH CAST BASE COVERS AND VIBRATION DAMPENERS. THE POLES SHALL BE SIZED PROPERLY TO SUPPORT FIXTURE WEIGHT AT 100 MPH WIND WITH A 1.3 GUST FACTOR. MINIMUM POLE SIZE TO BE 5" SQUARE. PROVIDE ADDITIONAL MOUNTING ACCESSORIES AS REQUIRED FOR A COMPLETE AND PROPER INSTALLATION.
7. FOR EXTERIOR POLE MOUNTED LIGHTING, PROVIDE FACTORY MOUNTED HOUSE SIDE SHIELDS INTEGRAL TO THE FIXTURE AS SPECIFIED. ADDITIONALLY, PROVIDE CUSTOM FABRICATED POLE MOUNTED HOUSE SIDE SHIELDING AS REQUIRED TO CONTROL LIGHT TRESPASS AND COMPLY WITH LOCAL REQUIREMENTS.
8. FIXTURES WITH EMERGENCY BATTERIES SHALL BE PROVIDED WITH CONSTANT HOT SENSING WIRE SO THAT FIXTURE CAN BE SWITCHED ON AND OFF WITHOUT ACTIVATING EMERGENCY BALLAST. UPON LOSS OF POWER, THE FIXTURE SHALL BE ILLUMINATED FOR A MINIMUM OF 90 MINUTES REGARDLESS OF THE LIGHT SWITCH POSITION. PROVIDE TEST SWITCH AND CHARGING INDICATOR FOR EMERGENCY BATTERY AS SPECIFIED.
9. ALL INTEGRAL EMERGENCY BATTERIES USED IN EXTERIOR APPLICATIONS SHALL HAVE A MINIMUM STARTING TEMPERATURE OF -20 DEGREES F UNLESS OTHERWISE SPECIFIED.
10. CAREFULLY COORDINATE MOUNTING REQUIREMENTS FOR FIXTURES WITH CONTRACT DOCUMENTS AND FIXTURE MANUFACTURER. PROVIDE APPROPRIATE MOUNTING FRAMES FOR LAY-IN OR GYPSUM CEILINGS. VERIFY CEILING REQUIREMENTS WITH FINAL ARCHITECTURAL REFLECTED CEILING PLAN.
11. VERIFY FIXTURE MOUNTING HEIGHTS WITH ARCHITECT PRIOR TO ROUGH-IN.
12. PROVIDE CUSTOM ANTI-SWAY BRACING FOR PENDANT TO ELIMINATE PENDANT MOVEMENT DUE TO AIR MOVEMENT OR ENVIRONMENTAL CAUSES.
13. COORDINATE LOCATIONS OF INTERIOR AND EXTERIOR LIGHTING FIXTURES WITH FINAL ARCHITECTURAL DRAWINGS. FIXTURES THAT ARE NOT INSTALLED IN THE CORRECT LOCATION SHALL BE RELOCATED AND REINSTALLED IN THE CORRECT LOCATION AT NO ADDITIONAL CHARGE.
14. FIXTURES SHALL BE CAREFULLY COORDINATED WITH MANUFACTURER TO DELIVER THE SPECIFIED PRODUCT IN SUFFICIENT TIME TO MEET PROJECT DEADLINES. EQUIPMENT DELIVERY LEAD TIME SHALL NOT BE HELD AS A VALID REASON FOR REQUESTING LUMINAIRE SUBSTITUTION UNLESS LUMINAIRE LEAD TIME FROM SPECIFIED MANUFACTURER IS IN EXCESS OF 14 WEEKS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO DETERMINE NECESSARY EQUIPMENT LEAD TIMES, DELIVER SUBMITTALS FOR REVIEW IN A TIMELY FASHION, AND PLACE ORDERS ACCORDINGLY TO ENSURE TIMELY DELIVERY.
15. EVALUATION OF APPROVED EQUALS SHALL BE AT THE SOLE DISCRETION OF THE ARCHITECT AND ENGINEER. IF THE PRODUCT SUBMITTED DURING THE REVIEW PROCESS IS NOT JUDGED AS AN EQUAL BY THE REVIEWING ENGINEER, THE CONTRACTOR SHALL PROVIDE THE PRODUCT SPECIFIED.
16. CAREFULLY COORDINATE VOLTAGES OF FIXTURES PRIOR TO ORDERING FIXTURES.
17. APPROVED EQUALS WILL BE CONSIDERED FROM THE FOLLOWING VENDORS: KSA LIGHTING (630.307.6955), FORCE CHICAGO (312.986.1918) OR PG ENLIGHTEN (847.228.1199).
18. CAREFULLY VERIFY COLOR TEMPERATURE OF FIXTURES WITH ARCHITECT PRIOR TO ORDERING.

TRENCH DETAIL

N.T.S.



LEGEND:

— — — INDICATES CONDUIT ROUTED MINIMUM 36" BELOW GRADE AND LISTED FOR DIRECT BURIAL WITH NYLON PULL WIRE. COORDINATE CONDUIT TYPE WITH SPECIFICATIONS. REGARDLESS OF THE SPECIFIED CONDUIT, ALL CONDUIT BENDS SHALL BE GALVANIZED RIGID STEEL CONDUIT WITH NO LESS THAN 36" BENDING RADIUS.

[PROPERLY TERMINATE, CAP AND SPIKE WITH 18" METAL SPIKE W/ 1.5" DIAMETER FOR FUTURE EXTENSION.

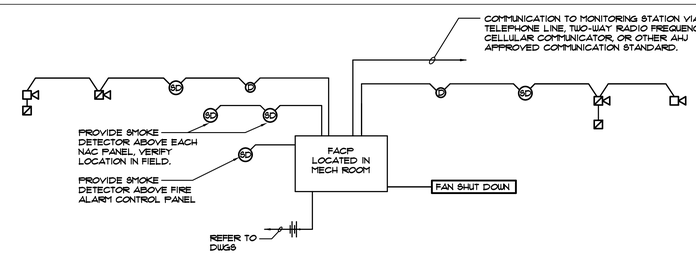
INTERIOR/EXTERIOR LIGHTING LUMINAIRE SCHEDULE

TAG	SYMBOL	DESCRIPTION	MANUFACTURER SERIES OR CATALOG NUMBER	VOLTAGE/ BALLAST	LAMPS/CROSS SECTION	MOUNTING	REMARKS
CA	○	6" LED DOWNLIGHT	LITHONIA ®LDN6-40/15-LO6-AR-LSS-MVOLT-GZ10-X-X-X OR APPROVED EQUAL	MVOLT 0-10V DIM - -	LED 4000K MAX 19W MIN 1500LM	RECESSED LAY-IN/ DRYWALL	-VERIFY TRIM FINISH WITH ARCHITECT
EA	○	6" LED DOWNLIGHT	LITESTRY ®LTR-6RD-H-SLSL-DMI-IC-LTR-6RD-T-SL-50K8-MD-8 OR HALO ®ICB6SDC10 / HP6128940 / 6HDHLF OR SPECTRUM ®SGICE6LED08 SERIES	MVOLT 0-10V DIM - -	LED 5000K MAX 19W MIN 1500LM	RECESSED LAY-IN/ DRYWALL	-VERIFY TRIM FINISH WITH ARCHITECT
EB	▭	EXTERIOR LED WALL PACK WITH COLD TEMP EM BATTERY AND INTEGRAL PHOTOCELL CONTROL	LITHONIA ®WST-P2-50K-VF-MVOLT-XX-XX-XX OR HUBBELL ®TRP SERIES OR MCGRAW ®86 SERIES	MVOLT - -	LED 5000K MAX 25W MIN 3000LM	WALL MTD -	-INTEGRAL COLD TEMP EMERGENCY OPERATION BATTERY AND PHOTOCELL
EC	■▭	LED TYPE 2 PEDESTRIAN SITE POLE	LIHTONIA ®DSX0 LED-P5-50K-T2M-MVOLT-XX-XX -XX-X-X-X OR APPROVED EQUAL	120/277 VOLT - - -	LED 5000K AD-2	TOP OF HEAD @ 16'-0" AFG CUSTOM POLE W/ BASE	-STANDARD COLOR TO BE SELECTED BY ARCHITECT -PROVIDE DECORATIVE SHROUD
EF	◂▭	FLAGPOLE FLOOD LIGHT WITH FULL SHIELD	LITHONIA ®DSXF3 LED-6-P1-40K-NSP-MVOLT -XX-XX-FV-VG-XX OR APPROVED EQUAL BY HUBBELL OR EATON LIGHTING	120 VOLT - - - -	LED 4000K - - -	SURFACE MTD TO SCOREBOARD COLUMN	-STANDARD COLOR TO BE SELECTED BY ARCHITECT -PROVIDE MTG ACCESS AS REQUIRED
FA	▭	4' SURFACE THIN PROFILE FIXTURE WITH LENS TYPE TO BE SELECTED BY ARCHITECT	LITHONIA® ST_4-40L-MV-EZI-LP840 OR APPROVED EQUAL	MVOLT 0-10V DIM - -	LED 4000K MAX 35W MIN 3800LM	SURFACE MOUNTED - -	-VERIFY FINISH AND LENS TYPE WITH ARCHITECT - -
FA1	▭	4' SURFACE THIN PROFILE FIXTURE WITH LENS TYPE TO BE SELECTED BY ARCHITECT	LITHONIA® ST_4-60L-MV-EZI-LP840 OR APPROVED EQUAL	MVOLT 0-10V DIM - -	LED 4000K MAX 53W MIN 6000LM	SURFACE MOUNTED - -	-VERIFY FINISH AND LENS TYPE WITH ARCHITECT - -
FB	▭	CUSTOM CONTINUOUS 8' LED WET LOCATION VANDAL RESISTANT CORNER MOUNT FIXTURES	KENALL ®TCD-X-A-45L40K-DCC-DV-1/1-X OR APPROVED EQUAL	MVOLT 0-10V DIM - -	LED 4000K MAX 45W/4FT MIN 5000LM	SURFACE MOUNTED - -	-VERIFY FINISH AND LENS TYPE WITH ARCHITECT -CUSTOM 8' LONG FIXTURE
FC	▭	4' LED VANDAL RESISTANT FIXTURE	KENALL ®7345-48-X-45L40K-DCC-DV-X OR APPROVED EQUAL	MVOLT 0-10V DIM - -	LED 4000K MAX 48W MIN 4800LM	SURFACE MOUNTED - -	-VERIFY FINISH WITH ARCHITECT - -
WA	▯	36" LED VANDAL RESISTANT WALL MOUNTED FIXTURE	KENALL ®WL8838-FLR-PIP-XX-33L40K-DCC-DV OR APPROVED EQUAL	MVOLT 0-10V DIM - -	LED 4000K MAX 33W MIN 1900LM	SURFACE MOUNTED @ 4'-6" A.F.G. - -	-VERIFY FINISH WITH ARCHITECT - -
XA	⊗	SINGLE FACE EXIT SIGN WITH 6" GREEN LETTERS, CAST ALUMINUM BODY, 90 MINUTE NI-CAD BATTERY BACK UP	LITHONIA LE SYWX-L-E1N/X OR APPROVED EQUAL	MVOLT - -	LED - MAX 5W -	CEILING/ WALL	-FURNISH WITH ARROWS AS REQD BY CODE - -
EM	◫	FIXTURE ON EMERGENCY CIRCUIT WITH 90 MINUTE, HIGH OUTPUT (MIN 1400LM) BATTERY UNIT OR INVERTER	FIXTURES LESS THAN 10000 LM: BODINE FACTORY INSTALLED BATTERY OR, AT CONTRACTOR'S DISCRETION, MYERS LV SERIES INVERTER (SIZE AND QUANTITY AS REQUIRED) FIXTURES GREATER THAN 10000LM: MYERS LV SERIES INVERTER (SIZE AND QUANTITY AS REQUIRED)	120/277 VOLT	-	IN FIXTURE/ REMOTE	-PROVIDE TEST SWITCH AND CHARGING INDICATOR -INTEGRAL BATTERIES NOT ALLOWED IN FIXTURES WITH GREATER THAN 10000 LUMENS

AD-1

1. ALL INTERIOR AND EXTERIOR FIXTURE STANDARD FINISHES TO BE SELECTED BY ARCHITECT.

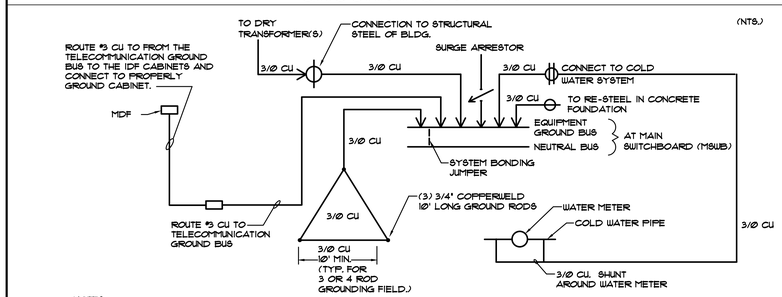
FIRE ALARM SCHEMATIC RISER DIAGRAM



NOTES:
1. THIS DIAGRAM IS SCHEMATIC ONLY AND DOES NOT SHOW ALL FIRE ALARM DEVICES, AIR HANDLING UNITS, ROOF-TOP UNITS OR FIRE PROTECTION DEVICES - REFER TO ALL PLANS AND SPECIFICATIONS FOR QUANTITIES, LOCATION, ACCEPTABLE MANUFACTURERS, ETC.
2. ELECTRICAL CONTRACTOR SHALL FURNISH DUCT SMOKE DETECTORS. MECHANICAL CONTRACTOR SHALL INSTALL DUCT SMOKE DETECTOR AND ELECTRICAL CONTRACTOR SHALL MAKE FINAL WIRING CONNECTIONS AS REQUIRED. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATIONS AND QUANTITIES OF DUCT SMOKE DETECTORS.
3. ELECTRICAL CONTRACTOR SHALL PROVIDE INTERLOCKING BETWEEN DUCT SMOKE DETECTORS, FIRE ALARM CONTROL PANEL, AIR HANDLING UNITS, ROOF-TOP UNITS, ANSUL SYSTEM AND FAN SHUT DOWN RELAYS SO THAT UPON ACTIVATION OF FIRE ALARM SYSTEM, ALL AIR HANDLING EQUIPMENT AND SMOKE/FIRE DAMPER SHALL SHUT DOWN. ALL AIR HANDLING EQUIPMENT SHALL START AUTOMATICALLY (AND SEQUENTIALLY) UPON RESETTING OF THE FIRE ALARM SYSTEM.
4. ELECTRICAL CONTRACTOR SHALL CONNECT SMOKE/FIRE DAMPERS THROUGHOUT FACILITY TO CLOSE DAMPERS UPON ACTIVATION/ALARM OF SMOKE DUCT DETECTOR MOUNTED IN DUCT AHEAD OF RESPECTIVE DAMPER OR LOCAL SMOKE DETECTORS, COMPLETE AS REQUIRED. VERIFY LOCATION AND QUANTITIES ON MECHANICAL AND ARCHITECTURAL PLANS AND IN FIELD. INTERLOCK SMOKE DUCT DETECTORS AND DAMPERS WITH FIRE ALARM CONTROL PANEL, COMPLETE AS REQUIRED.
5. PROVIDE ADDITIONAL PARTS, ACCESSORIES, CARDS, ETC. AS REQUIRED TO COMPLETE THE WORK. FIRE ALARM DEVICES SHALL BE CONNECTED TO THE FIRE ALARM POWER SUPPLY AND BATTERIES OF THE SYSTEM AND SHALL NOT BE CONNECTED TO NORMAL POWER.

GROUNDING DETAIL

(NTS.)



NOTES:
1. CONTRACTOR SHALL FOLLOW THIS DETAIL FOR PROPER GROUNDING CONNECTIONS, INCLUDING FURNISH AND INSTALL ALL CONDUCTORS AND EQUIPMENT SUCH AS GROUND RODS, SURGE ARRESTOR, GROUND BUS, ETC. TO PROPERLY GROUND/BOND ALL EQUIPMENT.
2. SYSTEM GROUNDING FOR INTERIOR DISTRIBUTION TRANSFORMERS SHALL BE MADE TO A GROUNDING ELECTRODE AS NEAR AS PRACTICAL TO, AND PREFERABLY IN THE SAME AREA AS, THE TRANSFORMER. THE ELECTRODE SHALL BE THE NEAREST OF A METAL WATER PIPE GROUNDING ELECTRODE OR STRUCTURAL METAL GROUNDING ELECTRODE.
3. GROUNDING ELECTRODE RESISTANCE SHALL BE 25 OHMS OR LESS. SHOULD THE MEASURED RESISTANCE BE HIGHER THAN 25 OHMS, ADDITIONAL SUPPLEMENTAL ELECTRODES SHALL BE PROVIDED AS REQUIRED TO REACH A RESISTANCE TO EARTH OF 25 OHMS OR LESS.
4. IN ADDITION TO THE ABOVE DEPICTED CONNECTIONS, CONTRACTOR SHALL PROVIDE ALL GROUND RODS, GROUND GRIDS, AND OTHER GROUNDING ELECTRODES AS REQUIRED BY THE UTILITY COMPANY AND MAKE CONNECTIONS TO UTILITY EQUIPMENT PER UTILITY COMPANY STANDARDS.

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN
MILLIES ENGINEERING GROUP
(317) 924-5400
www.milliesengineeringgroup.com

PROJECT
CROWN POINT HIGH SCHOOL - ATHLETIC FIELDS AND SITE IMPROVEMENTS

FOR:
CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 21-120
DATE 08/18/22
COORDINATED BY SM
DRAWN BY PF
CHECKED BY DJ

DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

REVISIONS

MARK	DATE	ISSUED FOR
AD-1	08/31/22	ADDENDUM NO. 1
AD-2	09/07/22	ADDENDUM NO. 2

DRAWING
ELECTRICAL SCHEDULES, NOTES & DETAILS

PROJECT
CROWN POINT HIGH SCHOOL - ATHLETIC FIELDS AND SITE IMPROVEMENTS

SHEET
E-001

DP-1

TOTAL KW: 378.1 | ENCLOSURE: NEMA1 | PHASE: 3Φ | VOLTAGE: 277 / 480
MOUNTING: SURFACE | BUSSING: COPPER | FAULT CURRENT RATING: 65K AIC | MCB(AMPS): 600
FEEDER: 2 SETS - 4 #350 MCM & 1 #4 GRD. - 2½"C. | LOCATION: MECH RM

LOAD DESCRIPTION	C/B TRIP	C/B POLE	LOAD A	LOAD B	LOAD C	CCT. NO.	LOAD A	LOAD B	LOAD C	C/B TRIP	C/B POLE	LOAD DESCRIPTION
			33240			1 2	30090					
HP-1	200	3		33240		3 4		30090		200	3	HP-2
					33240	5 6			28290			
			6011			7 8	17640					
POLE F1	30	3		6011		9 10		19616		125	3	FP-1 VIA XFMR
					6011	11 12			18388			
			6011			13 14	7320					
POLE F2	30	3		6011		15 16		6820		50	3	FP-B VIA XFMR
					6011	17 18			3300			
			6011			19 20	7320					
POLE F3	30	3		6011		21 22		6820		50	3	FP-B VIA XFMR
					6011	23 24			3300			
			6011			25 26	8000					
POLE F4	30	3		6011		27 28		8000		50	3	FOOTBALL VIA XFMR
					6011	29 30			8000			
			900			31 32						SPACE
PARKING LTG F1/F2	15	3		900		33 34						SPACE
					900	35 36						SPACE
						37 38						SPACE
SPD	60	3				39 40						SPACE
						41 42						SPACE
			58184	58184	58184		70770	71346	61478			

*PROVIDE WITH 100% RATED ELECTRONIC ADJUSTABLE TRIP MCB
NOTE: REFER TO GENERAL NOTE "B" FOR ADDITIONAL INFORMATION

A= 128,354
B= 129,330
C= 119,662
TOTAL= 378,146

HP-1

TOTAL KW: 99.7 | ENCLOSURE: NEMA1 | PHASE: 3Φ | VOLTAGE: 277 / 480
MOUNTING: SURFACE | BUSSING: COPPER | FAULT CURRENT RATING: 42K AIC | MLO(AMPS): 200
FEEDER: 4 #3/0 & 1 #6 GRD. - 2"C. | LOCATION: STORAGE

LOAD DESCRIPTION	C/B TRIP	C/B POLE	LOAD A	LOAD B	LOAD C	CCT. NO.	LOAD A	LOAD B	LOAD C	C/B TRIP	C/B POLE	LOAD DESCRIPTION
						1 2	3324					
ECH-2	15	3	3324			3 4		3324		15	3	ECH-2
				3324		5 6			3324			
			3324			7 8	3324					
ECH-2	15	3		3324		9 10		3324		15	3	ECH-2
					3324	11 12			3324			
			3324			13 14	3324					
ECH-2	15	3		3324		15 16		3324		15	3	ECH-2
					3324	17 18			3324			
			3324			19 20						SPACE
ECH-2	15	3		3324		21 22						SPACE
					3324	23 24						SPACE
			3324			25 26						SPACE
ECH-2	15	3		3324		27 28						SPACE
					3324	29 30						SPACE
			3324			31 32						SPACE
ECH-2	15	3		3324		33 34						SPACE
					3324	35 36						SPACE
			3324			37 38						SPACE
ECH-2	15	3		3324		39 40						SPACE
					3324	41 42						SPACE
			23268	23268	23268		9972	9972	9972			

NOTE: REFER TO GENERAL NOTE "B" FOR ADDITIONAL INFORMATION

A= 33240
B= 33240
C= 33240
TOTAL= 99,720

HP-2

TOTAL KW: 92.3 | ENCLOSURE: NEMA1 | PHASE: 3Φ | VOLTAGE: 277 / 480
MOUNTING: SURFACE | BUSSING: COPPER | FAULT CURRENT RATING: 42K AIC | MLO(AMPS): 200
FEEDER: 4 #3/0 & 1 #6 GRD. - 2"C. | LOCATION: STORAGE

LOAD DESCRIPTION	C/B TRIP	C/B POLE	LOAD A	LOAD B	LOAD C	CCT. NO.	LOAD A	LOAD B	LOAD C	C/B TRIP	C/B POLE	LOAD DESCRIPTION
			1662			1 2	1662					
ECH-1	15	3		1662		3 4		1662		15	3	ECH-1
					1662	5 6			1662			
ECH-4	25	1	4800			7 8	1662					
ECH-4	25	1		4800		9 10		1662		15	3	ECH-1
ECH-3	15	1			3000	11 12			1662			
			5000			13 14	1662					
WH-1	25	3		5000		15 16		1662		15	3	ECH-1
					5000	17 18			1662			
			5000			19 20	1662					
WH-1	25	3		5000		21 22		1662		15	3	ECH-1
					5000	23 24			1662			
			1934			25 26	1662					
LIFT STATION	15	3		1934		27 28		1662		15	3	ECH-1
					1934	29 30			1662			
PATH LTG 12AM	20	1	1600			31 32	1662					
PATH LTG NL	20	1		800		33 34		1662		15	3	ECH-1
SPACE						35 36			1662			
SPACE AD-2						37 38	1662					
SPACE						39 40		1662		15	3	ECH-1
SPACE						41 42			1662			
			20056	19256	16656		11634	11634	11634			

NOTE: REFER TO GENERAL NOTE "B" FOR ADDITIONAL INFORMATION

A= 31690
B= 30890
C= 28290
TOTAL= 90870

PP-1

TOTAL KW: 62.4 | ENCLOSURE: NEMA-1 | PHASE: 3Φ | VOLTAGE: 120 / 208
MOUNTING: SURFACE | BUSSING: COPPER | FAULT CURRENT RATING: 22000 AIC | MCB(AMPS): 225
FEEDER: 4 #4/0 & 1 #4 GRD. - 2 1/2"C. | LOCATION: STORAGE

LOAD DESCRIPTION	C/B TRIP	C/B POLE	LOAD A	LOAD B	LOAD C	CCT. NO.	LOAD A	LOAD B	LOAD C	C/B TRIP	C/B POLE	LOAD DESCRIPTION
HAND DRYER	20	1	1600			1 2	600			20	1	FACP
HAND DRYER	20	1		1600		3 4		600		20	1	FACP
HAND DRYER	20	1			1600	5 6			400	20	1	CONV RECEPT
HAND DRYER	20	1	1600			7 8	600			20	1	MDF
HAND DRYER	20	1		1600		9 10		600		20	1	MDF
HAND DRYER	20	1			1600	11 12			1500	20	1	HOT DOG
CONV RECEPT	20	1	1000			13 14	1500			20	1	NACHO
CONV RECEPT	20	1		1000		15 16		1600		20	1	COFFEE
CONV RECEPT	20	1			600	17 18			1600	20	1	COCOA
~~EXT RECEPT~~	~~20~~	~~1~~	~~800~~			19 20	1600			20	1	MICROWAVE
DOA RECEPT	50			4160		21 22		800		20	1	CONV RECEPT
		2			4160	23 24			800	20	1	CONV RECEPT
~~SCOREBRD~~	~~20~~	~~1~~	~~1500~~			25 26	800			20	1	CONV RECEPT
		2		1500		27 28		800		20	1	CONV RECEPT
ROOF RECEPT	20	1			600	29 30			800	20	1	CONV RECEPT
TEF-1	30	1	1920			31 32	800			20	1	CONV RECEPT
TEF-2	25	1		1656		33 34		800		20	1	CONV RECEPT
GEF-1	20	1			628	35 36			800	20	1	LTG
EXIT SIGNS	20	1	20			37 38	800			20	1	LTG
SCOREBOARD	20	1		1200		39 40		800		20	1	LTG
SCOREBOARD	20	1			1200	41 42			800	20	1	LTG
~~SCOREBOARD~~	~~20~~	~~1~~	~~1200~~			43 44	600			20	1	EXT LTG
HAND DRYER	20	1		1600		45 46		200		20	1	EXT LTG EM
HAND DRYER	20	1			1600	47 48			~~200~~	~~20~~	~~1~~	~~EXT LTG NL PLUS~~
HAND DRYER	20	1	1600			49 50				20	1	SPARE
HAND DRYER	20	1		1600		51 52				20	1	SPARE
HAND DRYER	20	1			1600	53 54			~~1200~~	~~20~~	~~1~~	~~WC LIGHT~~
~~SPARE~~	~~20~~	~~1~~				55 56				20	1	SPACE
SPARE	20	1				57 58				20	1	SPACE
SPARE	20	1				59 60				20	1	SPACE
			11240	15916	13588		7300	6200	8200			

AD-1 (HAND DRYER 20 1 1600 | 600 | | 1 2)
AD-1 (HAND DRYER 20 1 | | 1600 | 47 48 | | | 200 | 20 1 EXT LTG NL PLUS)
AD-2 (HAND DRYER 20 1 | | | 53 54 | | | | 20 1 WC LIGHT)

NOTE: REFER TO GENERAL NOTE "B" FOR ADDITIONAL INFORMATION

A= 18,540
B= 22,116
C= 21,788
TOTAL= 62,444

PP-B

TOTAL KW: 17.6 | ENCLOSURE: NEMA-1 | PHASE: 3Φ | VOLTAGE: 120 / 208
MOUNTING: SURFACE | BUSSING: COPPER | FAULT CURRENT RATING: 22000 AIC | MCB(AMPS): 100
FEEDER: 4 #2 & 1 #8 GRD. - 1 1/2"C. | LOCATION: PRESS BOX BLDG

LOAD DESCRIPTION	C/B TRIP	C/B POLE	LOAD A	LOAD B	LOAD C	CCT. NO.	LOAD A	LOAD B	LOAD C	C/B TRIP	C/B POLE	LOAD DESCRIPTION
PTAC-1	40		3120			1 2	420			20	1	CONV RECEPT
		2		3120		3 4		420		20	1	CONV RECEPT
SOUND SYSTEM	20	1			1000	5 6			400	20	1	CONV RECEPT
SOUND SYSTEM	20	1	1000			7 8	420			20	1	CONV RECEPT
EXT LTG	20	1		300		9 10		420		20	1	CONV RECEPT
LTG	20	1			500	11 12			400	20	1	EXT RECEPT
			1000			13 14	600			20	1	LV SERVICE
SIGN	20	3		1000		15 16		600		20	1	LV SERVICE
					1000	17 18				20	1	SPARE
TICKET PWR/LTG	20	1	1000			19 20				20	1	SPARE
TICKET PWR/LTG	20	1		1000		21 22				20	1	SPARE
SPACE						23 24				20	1	SPARE
SPACE						25 26				20	1	SPARE
SPACE						27 28				20	1	SPARE
SPACE						29 30				20	1	SPARE
SPACE						31 32				20	1	SPARE
SPACE						33 34				20	1	SPARE
SPACE						35 36				20	1	SPARE
SPACE						37 38				20	1	SPARE
SPACE						39 40				20	1	SPARE
SPACE						41 42				20	1	SPARE
			6120	5420	2500		1400	1400	800			

NOTE: REFER TO GENERAL NOTE "B" FOR ADDITIONAL INFORMATION

A= 7,320
B= 6,820
C= 3,300
TOTAL= 17,640

PP-S

TOTAL KW: 17.6 | ENCLOSURE: NEMA-1 | PHASE: 3Φ | VOLTAGE: 120 / 208
MOUNTING: SURFACE | BUSSING: COPPER | FAULT CURRENT RATING: 22000 AIC | MCB(AMPS): 100
FEEDER: 4 #2 & 1 #8 GRD. - 1 1/2"C. | LOCATION: PRESS BOX BLDG

LOAD DESCRIPTION	C/B TRIP	C/B POLE	LOAD A	LOAD B	LOAD C	CCT. NO.	LOAD A	LOAD B	LOAD C	C/B TRIP	C/B POLE	LOAD DESCRIPTION
PTAC-1	40		3120			1 2	400			20	1	CONV RECEPT
		2		3120		3 4		400		20	1	CONV RECEPT
SOUND SYSTEM	20	1			1000	5 6			400	20	1	CONV RECEPT
SOUND SYSTEM	20	1	1000			7 8	400			20	1	CONV RECEPT
EXT LTG	20	1		300		9 10		400		20	1	CONV RECEPT
LTG	20	1			500	11 12			400	20	1	EXT RECEPT
			1000			13 14	600			20	1	LV SERVICE
SIGN	20	3		1000		15 16		600		20	1	LV SERVICE
					1000	17 18				20	1	SPARE
TICKET PWR/LTG	20	1	1000			19 20				20	1	SPARE
TICKET PWR/LTG	20	1		1000		21 22				20	1	SPARE
SPACE						23 24				20	1	SPARE
SPACE						25 26				20	1	SPARE
SPACE						27 28				20	1	SPARE
SPACE						29 30				20	1	SPARE
SPACE						31 32				20	1	SPARE
SPACE						33 34				20	1	SPARE
SPACE						35 36				20	1	SPARE
SPACE						37 38				20	1	SPARE
SPACE						39 40				20	1	SPARE
SPACE						41 42				20	1	SPARE
			6120	5420	2500		1400	1400	800			

NOTE: REFER TO GENERAL NOTE "B" FOR ADDITIONAL INFORMATION

A= 7,320
B= 6,820
C= 3,300
TOTAL= 17,640

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PROJECT

CROWN POINT HIGH SCHOOL - ATHLETIC FIELDS AND SITE IMPROVEMENTS

FOR:
CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 21-120
DATE 08/18/22
COORDINATED BY SM
DRAWN BY PF
CHECKED BY DJ

DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

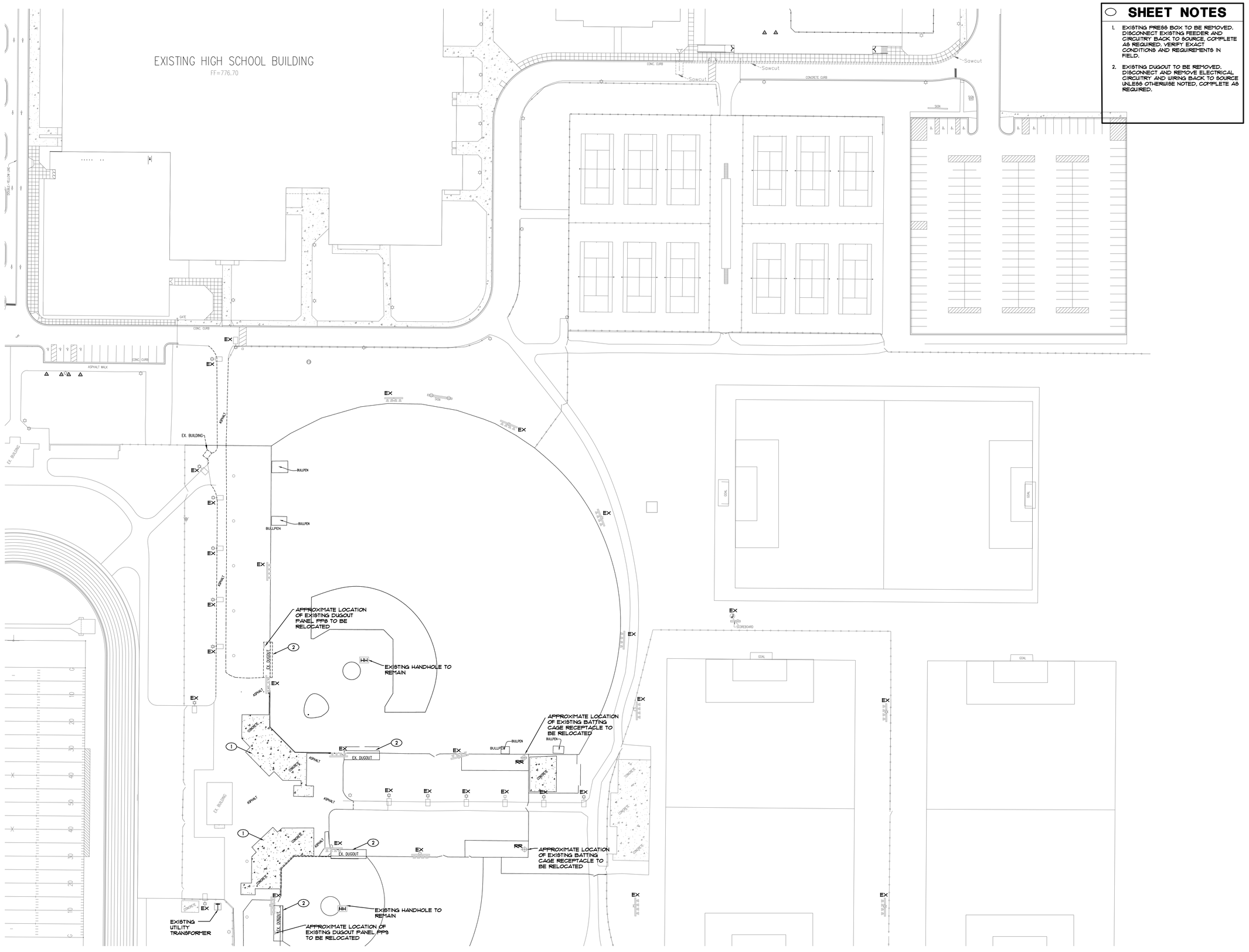
REVISIONS

MARK	DATE	ISSUED FOR
AD-1	08/31/22	ADDENDUM NO. 1
AD-2	09/07/22	ADDENDUM NO. 2

DRAWING
ELECTRICAL SCHEDULES

PROJECT
CROWN POINT HIGH SCHOOL - ATHLETIC FIELDS AND SITE IMPROVEMENTS

SHEET
E-005



SHEET NOTES

1. EXISTING PRESS BOX TO BE REMOVED. DISCONNECT EXISTING FEEDER AND CIRCUITRY BACK TO SOURCE, COMPLETE AS REQUIRED. VERIFY EXACT CONDITIONS AND REQUIREMENTS IN FIELD.
2. EXISTING DUGOUT TO BE REMOVED. DISCONNECT AND REMOVE ELECTRICAL CIRCUITRY AND WIRING BACK TO SOURCE UNLESS OTHERWISE NOTED, COMPLETE AS REQUIRED.

PARTIAL ELECTRICAL SITE DEMOLITION PLAN
SCALE: 1" = 40'-0"

NORTH

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PROJECT
CROWN POINT HIGH SCHOOL - ATHLETIC FIELDS AND SITE IMPROVEMENTS

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CROWN POINT, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

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DATE 08/18/22
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DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	09/07/22	ADDENDUM NO.2

DRAWING
PARTIAL ELECTRICAL SITE DEMOLITION PLAN

PROJECT
CROWN POINT HIGH SCHOOL - ATHLETIC FIELDS AND SITE IMPROVEMENTS

SHEET AD-2
ED101

EXISTING HIGH SCHOOL BUILDING
FF=776.70

WEIGHTS/TURF ADDITION

SIDEWALK

EXISTING TENNIS COURT LIGHTING CONTROLS TO REMAIN

SHEET NOTES

1. NEW BASEBALL SCOREBOARD
2. DUGOUT - SEE EP1Ø2 FOR TYPICAL LAYOUT
3. TENNIS VIEWING PLATFORM SEE EL1Ø2 FOR LAYOUT
4. TICKET BOOTH. SEE EL1Ø2 FOR TYPICAL LAYOUT
5. (1) NEW 4"C TO NEW UTILITY TRANSFORMER. DIRECTIONAL BORE AS REQUIRED TO MINIMIZE SITE DISTURBANCE. COORDINATE REQUIREMENTS WITH UTILITY AND WITH EXISTING UNDERGROUND UTILITIES.

FPP-B #13-15-17 VIA 4 #6 & 1 #10 GRD.-1"C.

APPROXIMATE LOCATION FOR A PIN WHEEL AND FLAG LIGHTING

FPP-B #15 VIA 2 #6 & 1 #10 GRD.-¾"C.

FPP-B #21 VIA 2 #6 & 1 #10 GRD.-¾"C.

APPROXIMATE LOCATION OF EXISTING DUGOUT PANEL FPP8 TO BE RELOCATED

EXISTING HANDHOLE TO REMAIN

NEW LOCATION OF RELOCATED BATTING CAGE RECEPTACLE. PROVIDE NEW GFCI DEVICE WITH IN-USE COVER

DP-1 #4-16-18

PRESSBOX REFER TO SHEET EL1Ø3 & EP1Ø2

DP-1 #20-22-24

NEW LOCATION OF RELOCATED BATTING CAGE RECEPTACLE. PROVIDE NEW GFCI DEVICE WITH IN-USE COVER

EXISTING UTILITY TRANSFORMER

APPROXIMATE LOCATION OF EXISTING DUGOUT PANEL FPP8 TO BE RELOCATED

EXISTING HANDHOLE TO REMAIN

APPROXIMATE LOCATION OF EXISTING UTILITY JUNCTION BOX

SEE ES1Ø2

PARTIAL ELECTRICAL SITE PLAN
SCALE: 1" = 40'-0"

NORTH

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AD-2	09/07/22	ADDENDUM NO.2

DRAWING
PARTIAL ELECTRICAL SITE PLAN

PROJECT
CROWN POINT HIGH SCHOOL - ATHLETIC FIELDS AND SITE IMPROVEMENTS

SHEET
ES101

SHEET NOTES

1. NEW SOFTBALL FIELD SCOREBOARD
2. DUGOUT - SEE EP1Ø2 FOR TYPICAL LAYOUT
3. TICKET BOOTH - SEE EL1Ø2 FOR TYPICAL LAYOUT.
4. (1) NEW 4'C TO NEW UTILITY TRANSFORMER. DIRECTIONAL BORE AS REQUIRED TO MINIMIZE SITE DISTURBANCE. COORDINATE REQUIREMENTS WITH UTILITY AND WITH EXISTING UNDERGROUND UTILITIES.

FLAG POLE LIGHTING MOUNTED TO BACK SIDE OF SCOREBOARD SUPPORT COLUMNS. VERIFY EXACT PLACEMENT WITH FINAL FLAG POLE LOCATION. CONNECT TO PP-1 CIRCUIT #48 VIA 2 #8 & 1 #10 GRD.-¾"C.

PP-8 #3-15-17 VIA 4 #6 & 1 #10 GRD.-1"C.

PP-8 #21 VIA 2 #6 & 1 #10 GRD.-¾"C.

PP-8 #18 VIA 2 #6 & 1 #10 GRD.-¾"C.

LIFT STATION

HP-2 #25-27-29

NEW CONCESSIONS BUILDING - REFER TO EP1Ø1 AND EL1Ø1

APPROXIMATE LOCATION OF NEW PAD MOUNTED UTILITY XFMR.

UTILIZE 2 #6 & 1 #10 GRD.-1"C. FOR TYPE EC SITE LIGHTING - TYPICAL

PP-1 #39 VIA 2 #6 & 1 #10 GRD.-1"C.

NEW SCOREBOARD

DP-1 #25-27-29 VIA 4 #4 & 1 #8 GRD.-1¼"C.

DP-1 #9-21-23 VIA 4 #4 & 1 #8 GRD.-1¼"C.

DP-1 #1-9-11 DP-1 #31-33-35 BOTH SETS VIA 4 #6 & 1 #10 GRD.-1"C.

DP-1 #13-15-17 BOTH SETS VIA 4 #6 & 1 #10 GRD.-1"C.

PRE86 BOX POWER (PREFAB) WITH 80A FUSED DISCONNECT AND 30KVA XFMR

DP-1 #26-28-30 VIA 3 #4 & 1 #8 GRD.-1¼"C.

PP-1 #43

NEW SCOREBOARD

PP-1 #41 VIA 2 #3 & 1 #8 GRD.-1¼"C.

NEW SCOREBOARD

NEW ARTIFICIAL TURF FOOTBALL/SOCCER FIELD

NEW BAND TOWER

EXISTING POND

Proposed Split Rail Fence

Proposed Split Rail Fence

WEST 129th AVENUE

PARTIAL ELECTRICAL SITE PLAN

SCALE: 1" = 40'-0"

NORTH

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Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

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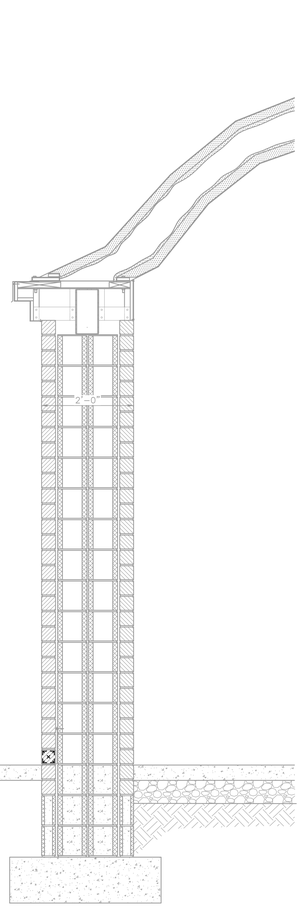
REVISIONS

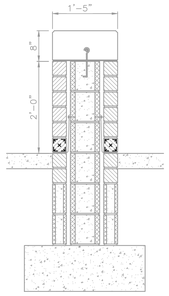
MARK	DATE	ISSUED FOR
AD-1	08/31/22	ADDENDUM NO.1
AD-2	09/07/22	ADDENDUM NO.2

DRAWING
PARTIAL ELECTRICAL SITE PLAN

PROJECT
CROWN POINT HIGH SCHOOL - ATHLETIC FIELDS AND SITE IMPROVEMENTS

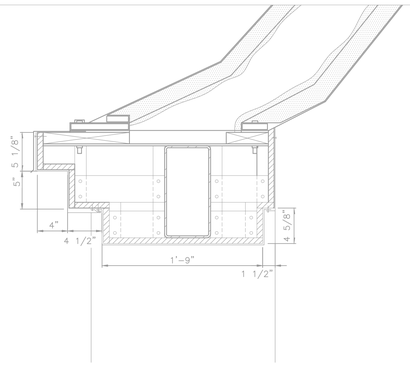
SHEET
ES102



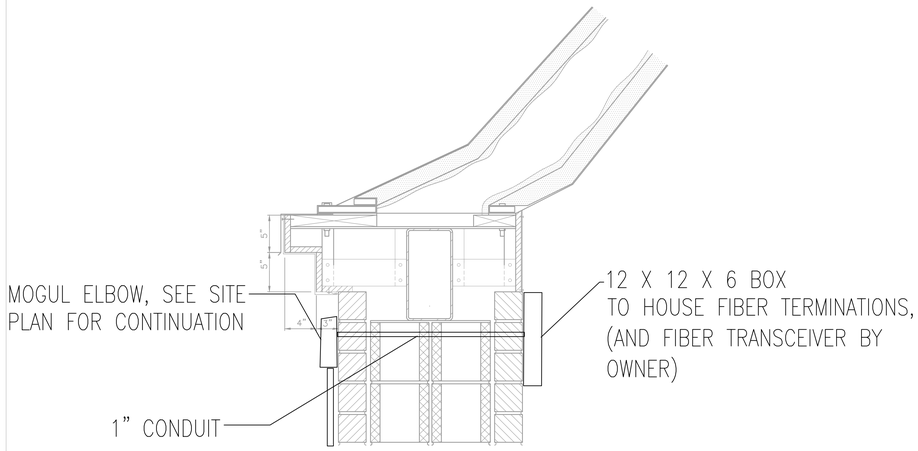


WALL SECTION
SCALE: 3/4" = 1'-0"

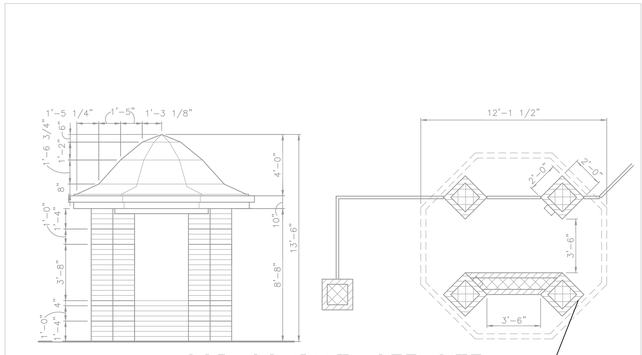
WALL SECTION
SCALE: 3/4" = 1'-0"



DOME DETAIL AT OPENING
SCALE: 1 1/2" = 1'-0"



DOME DETAIL AT MASONRY PIER
SCALE: 1 1/2" = 1'-0"



AD-2

D:\DROPBOX\CROWN_POINT_ COMMUNITY_SCHOOLS\HS SITE PROJECT\DRAWINGS\MASONRY WALL ELEVATIONS -TP
8/22/2022

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CROWN POINT HIGH SCHOOL - ATHLETIC FIELDS AND SITE IMPROVEMENTS

FOR:
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CROWN POINT, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 21-120
DATE 08/22/22
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BICSI Brian K Scott
BICSI ID # 1140038
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RCDD

REVISIONS

MARK	DATE	ISSUED FOR
AD-02	9/6/22	ADDENDUM NO. 2

DRAWING
TICKET BOOTH

PROJECT
CROWN POINT HIGH SCHOOL - ATHLETIC FIELDS AND SITE IMPROVEMENTS

SHEET
T-106

CONDUCTOR SIZING

Recommended Sizing of the Telecommunications Bonding Backbone Conductor (TBBC) and Grounding Equalizer (GE) per J-STD-607-A

The TBBC, BC, and BCT shall be copper conductors. The TBBC shall be sized at 2 kcmil per linear foot of conductor length up to a maximum size of a 3/0 AWG. The TBBC may be insulated. The Bonding conductor for Telecommunications (BCT) and Bonding Conductor (BC) shall be, as a minimum, the same size as the largest TBBC used.(1)

SIZE (AWG)	TBBC LENGTH LINEAR M (FT)	TBBC
	LESS THAN 4 (13')	6
	4-6 (14-20')	4
	6-8 (21-26')	3
	8-10 (27-33')	2
	10-13 (34-41')	1
	13-16 (42-52')	1/0
	16-20 (53-66')	2/0
	GREATER THAN 20 (66')	3/0*

The TEBC minimum conductor size shall be a No. 6 AWG.

*3/0 may not always be available. 4/0 is a more common size that may be substituted.
(1). Telecommunications Industry Association, Commercial Building Grounding (Earthing) and Bonding Requirements For Telecommunications, J-STD-607-A, October 2002.

ABBREVIATIONS

TR	= TELECOMMUNICATIONS ROOM
BBC	= BACKBONE BONDING CONDUCTOR
TBBC	= TELECOMMUNICATIONS BONDING BACKBONE CONDUCTOR
TEBC	= TELECOMMUNICATIONS EQUIPMENT BONDING CONDUCTOR
PBB	= PRIMARY GROUNDING BUSBAR
SBB	= SECONDARY GROUNDING BUSBAR
RBB	= RACK GROUNDING BUSBAR
ER	= EQUIPMENT ROOM
TBC	= TELECOMMUNICATIONSBONDING CONDUCTOR
EF	= ENTRANCE FACILITY

GROUNDING SYSTEM NOTES: (THIS DETAIL)

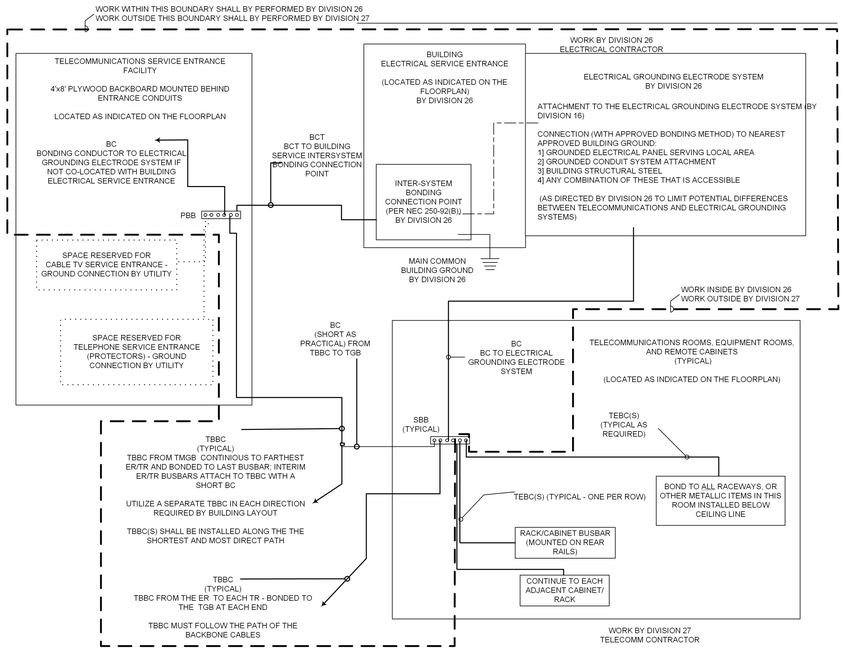
1] TBBC, TEBC, AND BC GROUNDING CONDUCTORS MUST BE INSTALLED IN COMPLIANCE WITH LOCAL CODES; THIS MAY REQUIRE INSTALLATION IN METALLIC CONDUIT IF RUN THROUGH PLENUM CEILING CAVITIES.

2] GROUNDING CONDUCTORS RUN THROUGH A CONDUIT SHALL BE BONDED TO THE CONDUIT AT EACH END.

3] ALL GROUND CONDUCTORS SHALL BE INSTALLED IN THE SHORTEST AND MOST DIRECT PATH PRACTICAL.

4] WHERE THE ENTRANCE FACILITY IS LOCATED IN THE ER, THE TMGB SHALL ALSO SERVE AS A TGB FOR THE ROOM; THE TBBCS REQUIRED FROM THE ER TO EACH TR ALONG THE BACKBONE CABLE PATH WILL ALSO BE USED TO CONNECT THE TGBS TO THE TMGB.

5] REMOTE CABINETS SHALL SUBSTITUTE A R/C BUSBAR IN PLACE OF THE TGB.



2 TELECOMMUNICATIONS GROUNDING DIAGRAM
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BACKBONE CABLE CONSTRUCTION NOTES

PREFACE

1) CABLE CONSTRUCTION OPTIONS ARE AVAILABLE TO FIT MOST ENVIRONMENTS. IN DETERMINING THE PROPER CABLE CONSTRUCTION AND INSTALLATION METHOD, UTILIZE THE FOLLOWING GUIDELINES.

2) THE FOLLOWING ARE PRE-APPROVED GUIDELINES FOR SELECTION OF CONSTRUCTION TYPE AND INSTALLATION METHOD; ANY DEVIATION FROM THESE GUIDELINES SHALL REQUIRE CONSULTANT'S APPROVAL PRIOR TO WORK BEING PERFORMED.

A – INDOOR CABLES

1) COPPER CABLES UTILIZED INSIDE CLOSED CONDUIT SYSTEMS SHALL HAVE A MINIMUM OF A "RISER" (UL) RATING.

2) COPPER CABLES USED IN INDOOR PATHWAYS SUCH AS J-HOOKS, LADDER RACK, CABLE TRAY, ETC., SHALL HAVE A MINIMUM OF A "RISER" (UL) RATING. IF ANY PORTION OF THE CABLE(S) PASSES THROUGH A SPACE DEFINED AS A "PLENUM" AIR SPACE, THE CABLE(S) SHALL HAVE A MINIMUM "PLENUM" RATING (UL).

3) FIBER OPTIC CABLES UTILIZED INSIDE CLOSED CONDUIT SYSTEMS SHALL HAVE A MINIMUM OF A "RISER" (UL) RATING. INNER-DUCT (TUBULAR OR TEXTILE) SHALL BE UTILIZED FOR CONDUITS LARGER THAN 3" TRADE SIZE.

4) FIBER OPTIC CABLES USED IN INDOOR PATHWAYS SUCH AS J-HOOKS, LADDER RACK, CABLE TRAY, ETC., SHALL HAVE A MINIMUM OF A "RISER" (UL) RATING. IF ANY PORTION OF THE CABLE(S) PASSES THROUGH A SPACE DEFINED AS A "PLENUM" AIR SPACE, THE CABLE(S) SHALL HAVE A MINIMUM "PLENUM" RATING (UL). FIBER OPTIC CABLES SHALL BE INSTALLED WITHIN A TUBULAR INNER-DUCT CARRYING THE SAME RATING AS THE CABLE.

5) FIBER OPTIC CABLES IN INDOOR PATHWAYS MAY BE SUPPLIED WITH A FLEXIBLE ARMORED CONSTRUCTION WHICH WILL FULFILL THE INNER-DUCT REQUIREMENT.

6) NOT USED

B – OUTDOOR CABLING

1) CABLES UTILIZED WITHIN A PATHWAY WHERE THE CABLE IS SUBJECT TO MOISTURE AND FREEZING/THAWING CYCLES SHALL BE OF AN "OSP" GRADE. NOTE: ALL CABLING, ABOVE OR BELOW GROUND, CONNECTING TWO OR MORE FACILITIES (WITH THE EXCEPTION OF A TUNNEL PATHWAY) SHALL BE CONSIDERED TO BE IN A WET ENVIRONMENT. THIS IS INCLUSIVE OF ALL CONDUITS BELOW THE SLAB WITHIN THE PERIMETER OF A FACILITY.

2) CABLES USED IN OUTDOOR OVERHEAD (AERIAL) PATHWAYS SHALL BE SUPPORTED BY LASHING TO A MESSENGER STRAND (SIZED AND INSTALLED SO AS TO ALLOW LESS THAN PERCENT SAG) OR PLACED WITHIN A CABLE TRAY. THESE CABLES SHALL BE UN-RATED AND SHALL BE CLASSIFIED AS HAVING "AERIAL/DUCT" CONSTRUCTION.

4) PAIRED COPPER CABLES UTILIZED INSIDE CLOSED UNDERGROUND CONDUIT SYSTEMS SHALL INCORPORATE WATER BLOCKING TECHNOLOGY AND SHALL HAVE AN OVERALL SHIELD. THE SHIELD SHALL BE BONDED TO TELECOMMUNICATIONS GROUND (ALONG WITH THE PROTECTOR GROUND). (NOTE: A SHIELD ISOLATION SHALL BE CREATED IN ONE POINT ALONG THE ROUTE TO PREVENT A GROUND PATH BETWEEN BUILDINGS.)

5) FIBER OPTIC CABLES USED INSIDE CLOSED UNDERGROUND CONDUIT SYSTEMS SHALL INCORPORATE WATER BLOCKING TECHNOLOGY AND BE OF LOOSE-TUBE CONSTRUCTION. INNER-DUCTS SHALL BE UTILIZED (TUBULAR OR TEXTILE AS SPECIFIED) TO PROTECT THE CABLE FROM DAMAGE WITHIN THE CONDUIT.

6) NOT USED

C – COMBINATION OF INDOOR AND OUTDOOR CABLING

1) ALL REQUIREMENTS ABOVE APPLY TO THESE APPLICATIONS. THE FOLLOWING ITEMS ARE EXCEPTIONS AND KEY INFORMATION FOR PROPER APPLICATION.

2) CABLES THAT ARE UN-LISTED AND CONSTRUCTED FOR OSP USE SHALL TERMINATE WITHIN 50' OF THE BUILDING ENTRANCE.

3) CABLES THAT ARE UN-LISTED AND CONSTRUCTED FOR OSP USE SHALL NOT BE IN A "PLENUM" AIR SPACE. ENTRANCE CONDUITS MUST CONTINUE THROUGH THIS TYPE SPACE TO BE TERMINATED.

4) COPPER CABLES BETWEEN ANY TWO FACILITIES SHALL BE PROTECTED AT EACH END WITH GROUNDED PROTECTOR UNITS WITH GAS TUBE PROTECTORS ON EACH PAIR.

5) FIBER OPTIC CABLE MAY BE OF AN INDOOR/OUTDOOR CONSTRUCTION AND CARRY THE APPROPRIATE UL LISTING (OFNR OR OFNP) FOR THE ENVIRONMENT TO AVOID SPLICING AT THE BUILDING ENTRANCE(S).

6) COPPER CABLES UTILIZED WITHIN A UNDERGROUND PATHWAY WHERE THE CABLE IS SUBJECT TO MOISTURE AND NOT SUBJECT TO FREEZING/THAWING CYCLES (BETWEEN TWO POINTS WITHIN A FACILITY, THESE CABLES MAY BE OF INDOOR CONSTRUCTION (WITH APPLICABLE RATING) IN INSTALLED WITHIN A CONTINUOUS PROTECTIVE TUBULAR INNER-DUCT WITHIN THE CONDUIT PROTECTING IT FROM MOISTURE.

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BACKBONE NOTES (THIS DETAIL)

1) BACKBONE CABLES ENTERING THE EQUIPMENT ROOM AND TELECOMMUNICATIONS ROOM(S) SHALL CONTINUE WITHIN EACH ROOM TO THEIR SPECIFIED TERMINATION POINT WITH ADEQUATE SERVICE LOOP (SEE NOTES THIS DETAIL).

2) NOT USED.

3) THIS DIAGRAM IS INTENDED TO SHOW BACKBONE CABLES REQUIRED BETWEEN MAJOR TERMINATION POINTS IN THIS PROJECT. THIS DIAGRAM IS NOT INTENDED TO INDICATE CABLE OR CONDUCTOR ROUTING OR TERMINATION METHODS OR LOCATIONS. UTILIZE DETAIL DRAWINGS AND FLOORPLANS FOR ADDITIONAL INFORMATION.

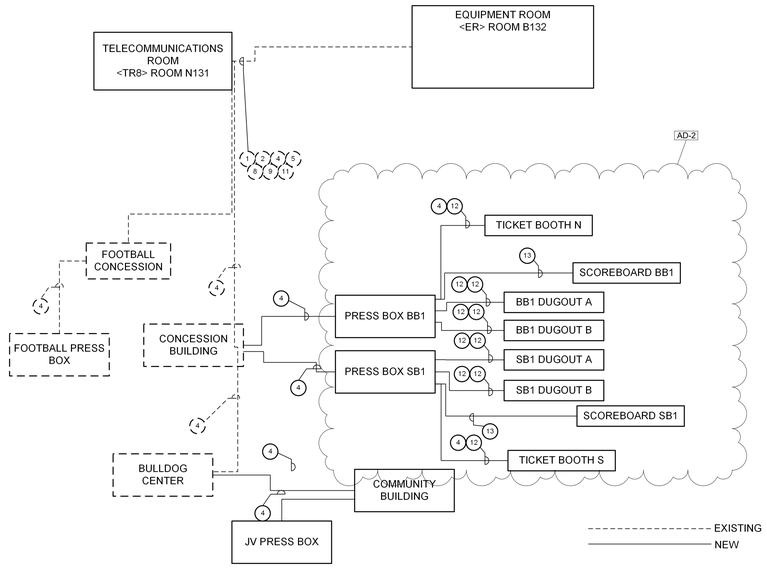
4) UNLESS OTHERWISE NOTED, BACKBONE TERMINATIONS SHALL BE AS FOLLOWS:

1] FIBER OPTIC CABLE WILL TERMINATE IN PATCH PANELS IN THE RACKS/CABINETS AT EACH END;

2] UTP COPPER (VOICE) BACKBONE CABLES SHALL TERMINATE ON PATCH PANEL(S) IN THE TRS AND ON 110 STYLE BLOCKS ON A BACKBOARD IN THE ER (CABLE FROM THE BUILDING ENTRANCE FACILITY TO THE ER BACKBOARD SHALL TERMINATE ON 110 STYLE BLOCKS AT BOTH ENDS);

BACKBONE LEGEND: (THIS DETAIL)

1. RG-11 VIDEO COAX
2. ½" HARDLINE COAX
3. 6 STRANDS MULTIMODE FIBER OPTIC CABLE
4. 6 STRANDS SINGLEMODE FIBER OPTIC CABLE
5. 12 STRANDS MULTIMODE FIBER OPTIC CABLE
6. 12 STRANDS SINGLEMODE FIBER OPTIC CABLE
7. 24 STRANDS SINGLEMODE FIBER OPTIC CABLE
8. 25 PAIR CATEGORY 3 UNSHIELDED TWISTED PAIR CABLE
9. 50 PAIR CATEGORY 3 UNSHIELDED TWISTED PAIR CABLE
10. 100 PAIR CATEGORY 3 UNSHIELDED TWISTED PAIR CABLE
11. 100 PAIR CABLE; INTERCOM SPEAKER EXTENSIONS
12. 4 PAIR UNSHIELDED TWISTED PAIR CABLE; CATEGORY 6
13. BY OTHERS



1 TELECOMMUNICATIONS BACKBONE DIAGRAM CPHS SITE
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CROWN POINT HIGH SCHOOL - ATHLETIC FIELDS AND SITE IMPROVEMENTS

FOR:
CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

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DATE 08/22/22
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REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
Brian K Scott
BICSI ID # 114038
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DRAWING
TELECOMMUNICATIONS DIAGRAMS

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