ADDENDUM NO. 3

October 30, 2023

Bid Package No. 2 - LOWELL HIGH SCHOOL RENOVATIONS AND NEW SPORTS COMPLEX
Lowell, IN 46356

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 September 25, 2023 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 3-1 through ADD 3-2 and attached Addendum No. 3 from Gibraltar Design dated October 27, 2023 and consisting of 7 pages, Specification Sections 10 70 11 - Aluminum Sunshade Canopy, 11 68 00 - Athletic Equipment, 27 40 00 - Telecommunications Intercom, 28 13 00 - Access Control System, 32 31 14 - Backstop Systems Cable Design and 24 drawings.

A. SPECIFICATION SECTION 00 00 20 - TABLE OF CONTENTS

1. **Add:**

   Specification Section 10 70 00 - Aluminum Sunshade Canopy
   Specification Section 11 68 00 - Athletic Equipment
   Specification Section 27 40 00 - Telecommunications Intercom
   Specification Section 28 13 00 - Access Control System
   Specification Section 32 31 14 - Backstop Systems Cable Design

B. SPECIFICATION 00 43 50 - SUBCONTRACTORS AND PRODUCTS LIST

1. **Replace:**

   Specification Section 00 43 50 - Subcontractors and Products List with the revised attached section.

C. SPECIFICATION SECTION 01 12 00 - MULTIPLE CONTRACT SUMMARY

A. BID CATEGORY NO. 3 - GENERAL TRADES

1. **Add:**

   Specification Section 11 68 00 - Athletic Equipment
   Specification Section 32 31 14 - Backstop Systems Cable Design

2. **Add:**

   Clarification No 23:
   Regarding Specification Section 07 21 13 Board Insulation, the **Bid Category No. 5 Contractor** shall provide Board Insulation associated with the roofing system: Structural Insulated Sheathing and the Nailable Ventilated Roof Insulation. All other Board Insulation shall be provided by the **Bid Category No. 3 Contractor.**

B. BID CATEGORY NO. 5 - ROOFING / METAL COMPOSITES

1. **Add:**

   Specification Section 07 21 13 – Board Insulation

2. **Add:**

   Clarification No 10:
   Regarding Specification Section 07 21 13 Board Insulation, the **Bid Category No. 5 Contractor** shall provide Board Insulation associated with the roofing system; Structural Insulated Sheathing and the Nailable Ventilated Roof Insulation. All other Board Insulation shall be provided by the **Bid Category No. 3 Contractor.**

C. BID CATEGORY NO. 6 - ALUMINUM ENTRANCES AND GLAZING

1. **Add:**

   Specification Section 10 70 00 - Aluminum Sunshade Canopy

D. BID CATEGORY NO. 13 - ELECTRICAL/TECHNOLOGY

1. **Add:**

   Specification Section 27 40 00 - Telecommunications Intercom
   Specification Section 28 13 00 - Access Control System

SECTION 00 43 50 - SUBCONTRACTORS AND PRODUCTS LIST

PART 1 - GENERAL

1.01 DESCRIPTION

A. The two (2) low responsive Bidders in each Bid Category shall furnish electronically the following Subcontractors and Products List to the Construction Manager within **two (2) working days (48 hrs.)** of bid opening, unless submitted with Bid. . The blanks appropriate to the Bid Category(ies) on which they bid shall be completed.

1. The Owner and Architect shall have the right to select any material or equipment named in the Specifications for any particular item where the Bidder either fails to list same or lists more than one name for the item in question.
2. It is intended that this list will show the manufacturer and supplier of major items of work that will be subcontracted and to whom.
3. **List the value of all subcontracts. Subcontractors whose value is $300,000 or more must be qualified thru the Department of Administration.**

1.02 INSTRUCTIONS FOR SUBCONTRACTORS AND PRODUCTS LISTS

A. Each Bidder shall submit a copy of his list of subcontractors and manufacturers of products and equipment proposed for work indicated as required above.

B. The list shall be submitted on forms provided and shall be completely executed. "As Specified" or "With Equipment" type of terminology will not be accepted.

C. Under "Subcontractor", insert the name of the firm which the Bidder proposes to have performed the respective work. If work will be done by the Prime Bidder and no subcontract will be awarded, state "By Own Forces".

D. Submission does not constitute acceptance for use of listed manufacturers' products. Materials and subcontractors are subject to the provisions of the General Conditions and "Standard of Product Acceptability" and must be formally reviewed and adjudged acceptable by the Architect/Engineer.

E. Engineer, Architect and Owner reserve the right to reject submissions of materials, work, or subcontractors that do not, in their opinion, meet the requirements of Drawings, Specifications or job conditions.

F. Materials and subcontractors used for work on the Project shall be in accordance with the accepted material list.

1. The list is intended to assure use of materials and vendors acceptably equivalent to those specified and is not a substitution sheet or complete listing of required materials or services.

2. Substitutions for listed items will not be allowed, except when termed acceptable, in writing by the Architect/Engineer, provided that substitution will result in a cost savings to the Owner , determined by the Owner to be a better product or is made necessary due to unavailability of listed item. Unavailability shall be confirmed in writing by the manufacturer named on the accepted list.

1.03 CIVIL AND ARCHITECTURAL WORK SUBCONTRACTORS AND PRODUCTS LIST

BID CATEGORY NO._____

(Insert Category No. and Name)

NAME OF BIDDER_____

The undersigned hereby submits the following Subcontractors and Products List which becomes a part of the undersigned Contract proposal. Subcontractor purchased material, equipment, and labor shall be under the direct management and control of the Prime Contractor. If a dual listing of manufacturers and subcontractors is herein made, it is understood the Architect/Engineer (not the Contractor) will select the manufacturer or subcontractor of his choice.

CIVIL AND ARCHITECTURAL WORK

Division 02 - Existing Conditions		XBE	Subcontractor	Manufacturer
02 41 20	Removals			
02 41 30	Minor Demolition for Remodeling			

Division 03 - Concrete		XBE	Subcontractor	Manufacturer
03 30 00	Concrete			
03 41 13	Precast Concrete Hollow Core Planks			

Division 04 - Masonry		XBE	Subcontractor	Manufacturer
04 01 00	Masonry Restoration and Cleaning			
04 20 00	Unit Masonry			

Division 05 - Metals		XBE	Subcontractor	Manufacturer
05 12 00	Structural Steel			
05 21 00	Steel Joists			
05 31 23	Steel Roof Deck			
05 40 00	Cold Formed Metal Framing			
05 44 00	Cold-Formed Metal Trusses			
05 50 00	Miscellaneous Metals			
05 50 10	Embedded Structural Anchor Bolts			
05 51 00	Metal Stairs			
05 52 16	Aluminum Railings			

Division 06 - Wood, Plastics, and Composites		XBE	Subcontractor	Manufacturer
06 10 00	Rough Carpentry			
06 16 00	Sheathing			
06 17 53	Shop-Fabricated Wood Trusses			
06 20 00	Finish Carpentry			

Division 07 - Thermal and Moisture Protection		XBE	Subcontractor	Manufacturer
07 11 00	Bituminous Dampproofing			
07 13 53	Elastomeric sheet Waterproofing			
07 21 16	Batt and Blanket Insulation			
07 21 19	Foamed-In-Place Insulation			
07 21 13	Board Insulation Add #2			
07 21 27	Enclosed Cavity Foamed Insulation			
07 24 00	Exterior Insulation and Finish System (EIFS)			
07 27 31	Sheet Air and Water Resistive Barrier			
07 31 00	Shingle Roofing			
07 42 44	Composite Metal Panels			
07 42 64	Metal Panel Soffit			
07 53 23	Roof Insulation and Membrane Roofing (EPDM)			
07 53 24	Roof Patching			
07 62 00	Sheet Metal Flashing			
07 71 19	Aluminum Fascias, Copings, Gutters, and Downspouts			
07 72 10	Roof Specialties			
07 72 23	Roof Hatches			
07 84 00	Firestopping			
07 90 00	Joint Sealants			
07 95 00	Expansion Joint Systems			

Division 08 - Openings		XBE	Subcontractor	Manufacturer
08 11 13	Standard Steel Doors and Frames			
08 14 16	Wood Doors			
08 31 13	Access Doors			
08 33 00	Rolling Doors and Grilles - Add #1			
08 41 00	Aluminum Entrances and Storefronts			
08 51 13	Aluminum Windows			
08 71 00	Door Hardware			
08 81 00	Glazing			
08 91 00	Aluminum Wall Louvers			

Division 09 - Finishes		XBE	Subcontractor	Manufacturer
09 22 13	Metal Framing and Furring			
09 29 00	Gypsum Board			
09 31 00	Ceramic Tile			
09 51 00	Acoustical Ceilings			
09 65 13	Resilient Flooring			
09 67 22	Resinous Flooring			
09 68 00	Carpet			
09 72 16	Fabric Wall Covering			

Division 09 - Finishes		XBE	Subcontractor	Manufacturer
09 91 00	Painting			

Division 10 - Specialties		XBE	Subcontractor	Manufacturer
10 11 00	Markerboards and Corkboards			
10 14 00	Signage			
10 21 14	Solid Plastic Toilet Partitions			
10 22 26	Folding Partitions			
10 26 00	Wall Protection			
10 28 13	Toilet Accessories			
10 28 40	Hand Dryers			
10 44 00	Fire Extinguishers and Cabinets			
10 51 13	Metal Lockers			
10 51 14	Ventilated Lockers			
10 70 00	Aluminum Sunshade Canopy Add #3			

Division 11 - Equipment		XBE	Subcontractor	Manufacturer
11 52 13	Power Operated Projection Screens			
11 66 43	Scoreboards			
11 68 00	Athletic Equipment Add #3			

Division 12 - Furnishings		XBE	Subcontractor	Manufacturer
12 25 00	Roller Shades			
12 32 16	Plastic Laminate Casework			

Division 13 - Special Construction		XBE	Subcontractor	Manufacturer
13 34 19	Pre-Engineered Buildings			

Division 14 - Conveying Equipment		XBE	Subcontractor	Manufacturer
14 24 00	Hydraulic Elevator			

Division 31 - Earthwork		XBE	Subcontractor	Manufacturer
31 10 00	Site Clearing			
31 20 00	Earthwork			
31 25 13	Soil Erosion Control			

Division 32 - Exterior Improvements		XBE	Subcontractor	Manufacturer
32 11 16	Granular Base Course			
32 31 13	Chain Link Fences and Gates			
32 31 14	Backstop Systems Cable Design Add #3			
32 31 19	Ornamental Fences and Gates			
32 91 13	Soil Preparation			
32 92 19	Seeding			

Name of Bidder:	Date:
Address:	
City/State/Zip:	
Telephone:	
By:	

1.04 MECHANICAL WORK SUBCONTRACTORS AND PRODUCTS LIST

BID CATEGORY NO._____
(Insert Category No. and Name)

NAME OF BIDDER_____

The undersigned hereby submits the following Subcontractors and Products List which becomes a part of the undersigned Contract proposal. Subcontractor purchased material, equipment, and labor shall be under the direct management and control of the Prime Contractor. If dual listing of manufacturers or subcontractors is herein made, it is understood the Architect/Engineer (not the Contractor) will select the manufacturer or subcontractor of his choice.

MECHANICAL WORK

Division 21 - Fire Suppression		XBE	Subcontractor	Manufacturer
21 05 00	General Fire Suppression Requirements			
21 05 01	Fire Protection Demolition for Remodeling			
21 05 29	Supports and Anchors			
21 12 23	Fire Protection Valves			
21 23 00	Wet-Pipe Sprinkler Systems			
21 23 01	Fire Protection Piping			
21 24 00	Dry-Pipe Sprinkler Systems			

Division 22 - Plumbing		XBE	Subcontractor	Manufacturer
22 05 00	General Plumbing Requirements			
22 05 01	Plumbing Demolition for Remodeling			
22 05 16	Expansion Compensation			
22 05 19	Meters and Gages			
22 05 23	Valves			
22 05 29	Supports and Anchors			
22 05 53	Plumbing Identification			
22 07 00	Plumbing Insulation			
22 10 00	Plumbing Piping			
22 11 00	Plumbing Specialties			
22 11 16	Pipe and Pipe Fittings			
22 11 19	Piping Specialties			
22 30 00	Plumbing Equipment			
22 40 00	Plumbing Fixtures			

Division 23 - Heating, Ventilating, and Air Conditioning		XBE	Subcontractor	Manufacturer
23 05 00	General HVAC Requirements			
23 05 01	Mechanical Demolition for Remodeling			
23 05 13	Motors			
23 05 14	Variable Frequency Drives			
23 05 19	Meters and Gages			
23 05 23	Valves			
23 05 29	Supports and Anchors			
23 05 33	Electric Heat Tracing			
23 05 49	Vibration Isolation			
23 05 53	Mechanical Identification			
23 07 01	Ductwork Insulation			
23 07 02	Piping Insulation			
23 09 13	Automatic Temperature Control Systems			
23 09 63	Instrument Devices			
23 09 93	Sequence of Operation			
23 11 19	Piping Specialties			
23 11 23	Natural Gas Systems			
23 20 00	HVAC Pumps			
23 21 13	Hydronic Piping			
23 21 23	Hydronic Specialties			
23 23 00	Refrigerant Piping and Specialties			
23 25 13	Chemical (Water) Treatment Systems			
23 31 00	Ductwork			
23 33 00	Ductwork Accessories			
23 33 53	Duct Liner			
23 34 16	Centrifugal Fans			
23 34 23	Power Ventilators			
23 37 00	Relief Vents			
23 37 01	Air Outlets and Inlets			
23 41 15	Disposable Air Filters			
23 51 01	Breechings, Chimneys, and Stacks			
23 52 16	Condensing Gas Fired Boilers			
23 64 25	Air Cooled Water Chillers			
23 73 00	Packaged Air Handling Units With Coils			
23 81 12	Packaged Roof Top Air Conditioning Units			
23 81 13	Packaged Terminial Air Conditioning Units			
23 81 15	Air Terminial Units			
23 81 26	Split Air Conditioning Units			
23 81 50	Terminal Units			

Plumbing Fixtures:	Manufacturer:
a)	
b)	
c)	
d)	
e)	
f)	
g)	
h)	
i)	
j)	
k)	
l)	

Name of Bidder:	Date:
Address:	
City/State/Zip:	
Telephone:	
By:	

1.05 ELECTRICAL WORK SUBCONTRACTORS AND PRODUCTS LIST

BID CATEGORY NO._____

(Insert Category No. and Name)

NAME OF BIDDER_____

The undersigned hereby submits the following Subcontractors and Products List which becomes a part of the undersigned Contract proposal. Subcontractor purchased material, equipment, and labor shall be under the direct management and control of the Prime Contractor. If dual listing of manufacturers or subcontractors is herein made, it is understood the Architect/Engineer (not the Contractor) will select the manufacturer or subcontractor of his choice.

ELECTRICAL WORK

Division 26 - Electrical		XBE	Subcontractor	Manufacturer
26 05 00	Basic Electrical Requirements			
26 05 01	Electrical Demolition for Remodeling			
26 05 02	Equipment Wiring Systems			
26 05 19	Wires and Cables – 600 Volts and Less			
26 05 26	Grounding and Bonding			
26 05 29	Supporting Devices			
26 05 30	Conduit			
26 05 34	Boxes			
26 05 53	Electrical Identification			
26 09 23	Lighting Controls – Timeclocks			
26 09 24	Room Occupancy Sensors			
26 09 27	Lighting Relays			
26 09 36	Dimmers			
26 22 13	Transformers (For Reference Only)			
26 24 16	Panelboards			
26 24 17	Existing Switchboards and Panelboards			
26 27 25	Floor Outlets			
26 27 26	Wiring Devices			
26 28 13	Low Voltage Cartridge Fuses – 600 Volts and Less			
26 29 13	Disconnect and Safety Switches			
26 29 15	Motor Starters			
26 51 00	LED Lighting Fixtures and Accessories			

Division 27 - COMMUNICATIONS		XBE	Subcontractor	Manufacturer
27 05 28	Conduit for Communication Systems			
27 10 00	Communication Distribution			
27 40 00	Telecommunications Intercom Add #3			

Division 28 - Electronic Safety and Security		XBE	Subcontractor	Manufacturer
28 05 00	Electronic Safety and Security Systems Electrical Requirements			
28 05 01	Basic Electronic Safety and Security Systems Requirements			
28 13 00	Access Control System Add #3			
28 31 01	Addressable Fire Alarm System - High School			
28 31 02	Addressable Fire Alarm System - Athletic Complex			

Name of Bidder:	Date:
Address:	
City/State/Zip:	
Telephone:	
By:	

END OF SECTION 00 43 50

ADDENDUM THREE

Addendum Three (AD.03) to the drawings and specifications prepared by Gibraltar Design for **Lowell High School Renovations and New Sports Complex** for Tri-Creek School Corporation, Lowell, 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, Addendum One and Addendum Two and include the appropriate content of same within their bid proposal.

SPECIFICATIONS

1. Specification Section 00 01 10 Table of Contents

A. Add the Following Specifications Sections to the Table of Contents:

1. 10 70 00 Aluminum Sunshade Canopy.
2. 11 68 00 Athletic Equipment.
3. 27 40 00 Telecommunications Intercom.
4. 28 13 00 Access Control System.
5. 32 31 14 Backstop Systems Cable Design.

2. Specification Section 01 23 00 Alternates

A. Revise 1.04 Schedule of Alternates to add the following:

"C. ALTERNATE NO. 3: State the cost to provide Aluminum .125 plate in lieu of Aluminum-Faced Composite Wall Panels indicated 07 42 44.

3. Specification Section 04 20 00 Unit Masonry

A. Add new Paragraph 2.6.A.2. as Follows, adjusting the remainder of paragraphs sequentially:

"2. Contractor is to provide a second brick blend as indicated on the Drawings, Mocha Smooth, Ironspot as manufactured by Glen-Gery."

B. Add new Paragraph 2.6.C. as Follows:

"C. Brick Pavers: Provide and install 8x8x2 1/4-inch brick pavers, as manufactured by Beldon Brick Company, #470-479 Dark Range Smooth Pavers, on sand bed at each decorative paver location indicated on Drawings."

4. Specification Section 08 33 00 Rolling Doors and Grilles

A. Revise Paragraph 1.1 to add the following;

"B. Rolling service doors; electrically operated."

B. Revise Paragraph 2.2 A. 1, to read as follows:

"A. Exterior Rolling service doors and Counter doors: Slat profile and width as recommended by the manufacturer; end locks and windlocks on alternate slats

or as required; hood profile; aluminum bottom bar.

a. Insulated Rolling service doors and Counter Doors: Minimum 22 gage steel slats with minimum 24 gage steel backing; G90 coating in accordance with ASTM A653; fill between steel face and backing with nominal 2 pound density polyurethane insulation."

C. Revise Paragraph 2.3 to add the following:

"B. Electric Operation at Storage Rooms; UL approved in accordance with UL 325; side mounted; 115 200 volt, single three phase, 60 Hz supply to ½ 1/3 ¾ horsepower electric motor; adjustable fraction clutch, double shoe brake system actuated by independent full line voltage solenoid controlled by motor starter, fully enclosed positive gear drive limit switch; fully enclosed magnetic cross line reversing starter; hand chain safety interlock.

a. Control Station: Flush mounted, three position , constant pressure, key operated, control station for each, the operator; 24 volt circuit.

b. See Electrical Drawings for locations of controls

c. Electric Door Edge Located at bottom of service doors, full width; electro-mechanical type; wired to reverse door upon striking object vinyl or rubber covered to provide weather seal.

1) Provide all associated wiring required."

D. Revise Paragraph 2.4 B., to read as follows:

"B. Exterior Rolling service door and Counter doors: Baked on or powder coated Finish as selected from manufacturers standard color selections."

5. Specification Section 08 81 00 Glazing

A. Add new Paragraphs 2.1.L. and M. to Acceptable Glazing Manufacturers:

"L. Sage Electrochromics, Inc., Faribault, Minnesota.

M. Skyline Design, Chicago, Illinois"

B. Add new Paragraph 2.2.L. as follows:

"L. Electronically Tintable Insulated Glazing: Provide SageGlass or Smart Glass systems as manufactured by their respective manufacturers. Provide a complete electronically tintable system coordinated with the framing indicated and electrical connections accordingly."

6. Specification Section 09 65 13 Resilient Flooring

A. Add new Paragraph 2.4.D. as follows:

"D. Stair Skirting: Sheet vinylrubber; 1/8 inch thick; maintain width sufficient to provide 2 inches above stair nose, measured perpendicular to stair slope.

1. Eight inch high rubber base typical.
2. Colors as selected on Finish Legend."

7. Specification Section 10 70 00 Aluminum Sunshade Canopy

A. Add Specification Section 10 70 00, Aluminum Sunshade Canopy, included in this Addendum, to the Project Manual.

8. Specification Section 11 68 00 Athletic Equipment

A. Add Specification Section 11 68 00, Athletic Equipment, included in this Addendum, to

the Project Manual.

9. Specification Section 12 32 16 Plastic Laminate Casework

A. Add to Paragraph 1.2.A. the following: "and Solid Surface Countertops."

B. Revise Paragraph 2.3.I.3. to Read: 3. Solid Surfacing: To be Provided ad Installed per Specification Section 06 20 00, Finish Carpentry.

10. Specification Section 27 40 00 Telecommunications Intercom

A. Add Specification Section 27 40 00, Telecommunications Intercom, included in this Addendum, to the Project Manual.

11. Specification Section 28 13 00 Access Control System

A. Add Specification Section 28 13 00, Access Control System, included in this Addendum, to the Project Manual.

12. Specification Section 32 31 13 Chain Link Fencing and Gates

A. Revise Paragraph 2.4.B. Standard Fabric for Chain Link Fencing to "2-inch diamond mesh….."

13. Specification Section 32 31 14 Backstop Systems Cable Design

A. Add Specification Section 32 31 14, Backstop Systems Cable Design, included in this Addendum, to the Project Manual.

DRAWINGS (SHEET INDEX REVISIONS)

1. Sheet G-101, Sheet Index Volume 1

A. Revise Sheet Index – Volume One, Site Buildings, Architectural:

1. Add "C-2.2A Athletic Field Fencing".
2. Add "C-2.2B Athletic Field Fencing".

2. Sheet G-103, Sheet Index - Volume 2

A. Revise Sheet Index – Volume One, Site Buildings, General:

1. Add "C-2.2A Athletic Field Fencing".
2. Add "C-2.2B Athletic Field Fencing".

DRAWINGS

1. Sheet G-205-CB

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

1. Revise code information as indicated.

1. Sheet C-2.2

A. Clarification: Fence around track is to be 4' H vinyl coated chain link with 4' W single gates and 12' W double gates where drawn on the plan. Refer to C-2.2A and C-2.2B for fence and gate sizes at Tennis, Soccer, Softball, and Baseball.

2. Sheet C-2.2A

A. Refer to the new full-size drawing included in this Addendum for supplemental information

3. Sheet C-2.2B

A. Refer to the new full-size drawing included in this Addendum for supplemental information

4. Sheet C-5.1

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

1. Add Trash Enclosure Plan and Detail.
2. Revise Fence/Gate details to include 6' H fence.
3. Add Double Gate Fence Detail.
4. Revise JV Softball/Baseball Backstop Detail.

5. Sheet T-101-AD

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

1. Added additional intercom speaker locations.
2. Revised device layout at reception desk.

6. Sheet S-001-NS

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

1. Add information to "Masonry Wall Panel Schedule" regarding Panel 4.
2. Add Detail "Masonry Wall Brick Bonding" which identifies installing a soldier course of brick in 12" and 8" CMU wall nominal wall width.

7. Sheet SB-101-NS

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

1. Add dimensions along Column Line 4 between Grids B.5 and C and D and E to show add-on footing widths to existing wall foundations. (See 19/S301).
2. Add dimensions along Column Line 2 between Grids D and E and west of Grid A to show add-on footing widths to existing wall foundations. (See 7/S301 and 19/S301).

8. Sheet SL-101-NS

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

1. Add wall lintels to STOR-A/154 and MECH-/144 room.
2. Add Masonry Wall Panel 4 to chiller enclosure fence.

9. Sheet A-830-NS

A. Remove drawing complete from drawing set.

B. Remove drawing from all sheet indexes in drawing set.

10. Sheet M-101-NS

A. Revise drawing to include the following:

1. Add (1) RG-A to Rooms A-118, A-103, A-107 and A-123. Provide duct from grille in ceiling to fan coil unit serving room.

11. Sheet S-001-CB

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

1. General Masonry Notes: Remove designation (4/S-303) at Note 4, add A.C.I. after the word "Per", and a period after "Details".
2. Revise and add information to "Masonry Wall Panel Schedule".
3. General Design Notes: Revise ground snow load from 20 PSF to 25 PSF.
4. Remove the "underpinning notes" entirely from this sheet.
5. Add detail "Masonry Wall Brick Bonding" which identifies installing a soldier course of brick in 12" and 8" CMU wall nominal wall width.

12. Sheet T-101-CB

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

1. Revised rack location.
2. Added access control equipment for turnstile gate.

13. Sheet SB101-SB

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

1. Add footing for large backstop netting post support information in four locations for "Baseball Grandstand and Foundation Plan" and "Softball Grandstand Foundation Plan".

14. Sheet S-301-SB

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

1. Add Detail 13/S-301-SB showing backstop netting post footing for Baseball and Softball Grandstand.

15. Sheet AS-101-SB

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

1. Revise scale to 1" = 50'.
2. Add dumpster enclosure at the parking lot west of the soccer field.
3. Call out typ. masonry pier at Tennis entrance.

16. Sheet A-101-SB

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

1. Revise General Plan note E.
2. Mirror the Press Box plans.
3. Update Note at Varsity Dugout Plan to clarify that the dugouts at the 3rd base line for varsity are to be opposite hand.

17. Sheet A-102-SB

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

1. Revise General Plan note E.
2. Revise the large piers at ticket booths.

18. Sheet A-103-SB

A. Refer to revised full-size drawing included in this Addendum for the revision of the

general plan note E.

19. Sheet A-104-SB

A. Refer to revised full-size drawing included in this Addendum for the following revisions:
   1. Revise General Plan note E.
   2. Remove CMU wing walls on both ends of the Varsity Baseball and Softball grandstands. This is to now be 6' H fencing.

20. Sheet A-301-SB

A. Refer to revised full-size drawing included in this Addendum for the following revisions:
   1. Revise Elevation Key Note 11 and add Elevation Key Note 25.
   2. Mirror Elevations 2, 3, 4, and 10.
   3. Revise elevation 3 to show grandstand lines at each grandstand and to show standard CMU under the line of grandstands in lieu of the split face CMU.
      a. Note. Grandstand height is to be field verified, and no standard CMU shall be visible from on top of the grandstands.
   4. Add notes 25 and associated masonry type to elevations 7,8,10, and 11.

21. Sheet A-303-SB

A. Refer to revised full-size drawing included in this Addendum for the following revisions:
   1. Revise Elevation Key Note 11 and add Elevation Key Note 25.
   2. Revise Elevation 4 to use standard CMU in lieu of split faced except the last 1'-0" at both ends.

22. Sheet A-402-SB

A. Refer to revised full-size drawing included in this Addendum for the following revisions:
   1. Revise sections 4 to show pier to be infilled with CMU in lieu of Steel Column.

23. Sheet A-501-SB

A. Refer to revised full-size drawing included in this Addendum for the following revision to Mirror Stair Plan 6/A-501

24. Sheet M-101-SB

A. Refer to revised full size drawing included in this Addendum for the following revisions.
   1. Press Boxes have been rotated 90° which causes relocation of ceiling fan control switches and storage room wall heaters.

25. Sheet E-102-SB

A. Refer to revised full size drawing included in this Addendum for revisions to the Press Boxes and Ticket Booths.

26. Sheet E-702-ALL

A. Refer to revised full size drawing included in this Addendum for updated drawing which was included for reference only.

27. Sheet E-101-MB

A. Add the following information to sheet E-101-MB.
   1. "Add adjacent to timeclock two (2) duplex GFCI receptacles on dedicated circuits. Mount at 48" AFF. Circuit to 20A/1P circuits #8 and #10 in panel MSBL1.

Receptacles to serve radio equipment by Owner. Coordinate exact location with Owner prior to installation."

2. "Add (2) 4" PVC conduit stubs below new receptacles and extend below grade approximately 75' northwest to relocated radio tower pad. Extend 12" AFF at either end, provide pull string, and cap for radio tower cabling by others. Coordinate exact routing with Owner prior to rough-in."

Pages 1 through 7, inclusive, Specification Sections 10 70 00, 11 68 33, 27 40 00, 28 13 00, and 32 31 14; and Twenty-Four (24) Full-Size Drawings, constitute the total makeup of **Addendum Three.**

GIBRALTAR DESIGN

Joseph P. Briggs

Y:\23-115 Tri-Creek SC - Lowell HS New Stadium\Specs\ADDENDUM THREE\AD03.docx

SECTION 10 70 00
ALUMINUM SUNSHADE CANOPY

1 General

1.1 Section Includes

A. Solid Sunshade Canopy, framing, fascia channels, gutter, decking, tension rods, and scupper connection.

B. Supply all anchors, accessories, and fittings for installation.

1.2 References

A. American Welding Society (AWS):

1. Standard D1.2 – Structural Welding Code – Aluminum.

B. American Architectural Manufacturers Association (AAMA):

1. Aluminum finishes AAMA 2603 Powder Coat.
2. Aluminum finishes AAMA 2605 Kynar.
3. Aluminum finishes AAMA 611 Anodize.

1.3 System Description

A. Design Requirements: Design canopy system to withstand:

1. Standards for wind pressure, snow load, and drifting snow load in accordance with current adopted form of the Indiana Building Code or applicable codes.

B. Design system to provide for movement without damage, failure of joints, fasterners, or other detrimental effects when subjected to seasonal or cyclic day/night temperature ranges.

1.4 Quality Assurance

A. Manufacturer: Company specializing in Canopy framing system with minimum of five (5) years of experience.

1. Design structural elements under direct supervision of Professional Engineer experienced in design of canopy systems and framing, registered in the State of Indiana.

1.5 Submittals

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

B. Shop Drawings: Indicate size, material and finish. Include plan elevation pages to clearly outline sunshade locations. Include installation procedures, details of joints, attachments and clearances. Provide lead time for product and note possible conflicts with standard line.

C. Color charts showing manufacturer's full range of colors from standard line.

D. Provide design calculations for all framing, sealed by a Professional Engineer registered in the State of Indiana..

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

1.6 Protection

A. Provide protective covering and packing for delivery to site.

2 Products

2.1 Aluminum Canopies - Acceptable Manufacturers

A. Basis of Design: Masa Architectural Canopies. – Extrudeck. Architectural Fabrication, Inc., Fort Worth, Texas.

B. Architectural Fabrications; HeliosCanopy, Fort Worth, Texas.

C. Mitchell Metals, Smyma, Georgia.

D. Or Approved Equal.

2.2 Materials

A. Framing: Aluminum flat bar/plate with minimum nominal thickness as required and designed by engineer.

B. Infill: Extruded Aluminum Extrusions, alloy 6063-T5.

C. Connections: Wall plates and sunshade mounting brackets are to be aluminum. Continuous steel embed system, depending on wall conditions, as shown on drawings.

D. Assembly Fasteners: Nuts, bolts, washers and screws to be stainless steel to suit application and per pre-engineered sunshade load requirements.

E. Framing/Facia/Crown: Basis of Design, 8-inch Raised Protruded Style.

F. Decking: Basis of Design, 3-inch x 6-inch extruded flat soffit decking.

G. Drainage: J-Channel Fascia Design, with Downspout – size as required by codes, coordinate with Design Drawings for connection to other downspouts on building.

H. Anchors and Supports: Anchors, nuts, bolts, washers and pipe spacers to be zinc plated or galvanized steel required to suit application and per pre-engineered sunshade load requirements.

1. Hanger Rod Assemblies: If required based on manufacturers design criteria, provide in shop drawings.

    a. Minimum 3/4-inch aluminum rods and connections.

2.3 Finish

A. Aluminum: Powder-coat finish per ASTM D 3451, complying with finish manufacturer's written instructions for surface preparation including pretreatment, application, baking and minimum dry film thickness. Color to be selected from manufacturer full range of colors.

3 Execution

3.1 Inspection

A. Verify Field Conditions match design and shop drawing conditions and requirements.

3.2 Fabrication

A. Preassemble sunshades in the shop to greatest extent possible. Disassemble units only as necessary for shipping and handling limitations. Clearly mark units for reassembly and coordinated installation.

B. Infill must be mechanically fastened in order to easily replace individual parts due to damage sustained during shipping or installation.

3.3 Installation

A. Install sunshades per manufacturer's written instructions and as indicated on drawings.

B. Locate and place sunshades level, plumb and at indicated alignment with adjacent work.

C. Repair damaged finishes so no evidence remains of corrective work. Return items to the factory that cannot be refinished in the field. Make required alterations and refinish entire unit or provide new units.

D. Protect galvanized and nonferrous-metal surfaces from corrosion or galvanic action by applying a coating of bituminous paint or elastomeric coating on surfaces that will be in contact with concrete, masonry, or dissimilar metals. Use of nylon washers and neoprene pads are approved.

END OF SECTION

SECTION 11 68 33
ATHLETIC FIELD EQUIPMENT

1 General

1.1 Section Includes

A. Manufactured athletic field equipment and accessories.

1.2 Related Sections

A. Section 32 12 16 – Hot-Mix Asphalt Paving: Recess for markers.

B. Section 32 13 80 – Exterior Concrete and Site Equipment.

C. Section 32 18 25 - All Weather Latex Track Surface: Recess for markers and material installed in cover recess of some manufactured items.

1.3 Submittals

A. Submit shop drawings, and manufacturers' installation instructions and product data under provisions of Division 1.

B. Submit certificate of gradation (sieve analysis) for sand.

2 Products

2.1 Acceptable Manufacturers

A. Sportsfield Specialties, Inc. Delhi, New York; (888-975-3343).

B. UCS, Inc., Orangeburg, New York; (800-526-4856).

C. American Athletic Equipment - AAE, West Conshohocken, Pennsylvania; (800-523-5471).

D. Gill Athletics, Champaign, Illinois; (800-637-3090).

2.2 Baseball and Softball Benches

A. Varsity Baseball and Softball Dugouts: As manufactured or supplied by Sportsfield Specialties, Inc., Delhi, NY, or approved equal, Model #PTBTT Two-Tier Polyboard Team Bench, with all accessories for a complete system installation. Provide manufacturers standard 5-year warranty.

1. Length of Bench: 10-foot long.

    a. Provide and Install stainless steel anchors to concrete slab as required by manufacturer.

2. Quantity per Dugout: Four (4).

3. Framing and Bench System.

    a. Framing: 1/8-inch Aluminum framing and 2x2x1/8-inch Aluminum tubing, fully welded.

    b. Polyboard: 2x4 and 2x6 Synthetic Polyboard Seat and Backrest/Upper Shelf. Solid core construction.

4. Color Options:

    a. Provide Powder Coat Finish on all Aluminum frame and tubing from manufacturers standard selections.

    b. Polyboard Seat, Backrest, and Upper Shelf to be selected from manufacturers standard color options.

B. Junior Varsity Baseball and Softball Dugouts: As manufactured or supplied by Sportsfield Specialties, Inc., Delhi, NY, or approved equal, Model #PTBBRSP10 Single-Tier Polyboard Team Bench with Backrest, with all accessories for a complete system installation. Provide manufacturers standard 5-year warranty.

1. Length of Bench: 10-foot long.

    a. Provide and Install stainless steel anchors to concrete slab as required by manufacturer.

2. Quantity per Dugout: Three (3).

3. Framing and Bench System.

    a. Framing: 1/8-inch Aluminum framing and 2x2x1/8-inch Aluminum tubing, fully welded.

    b. Polyboard: 2x4 Synthetic Polyboard Seat and Backrest. Solid core construction.

4. Color Options:

    a. Provide Powder Coat Finish on all Aluminum frame and tubing from manufacturers standard selections.

    b. Polyboard Seat and Backrest to be selected from manufacturers standard color options.

3 Execution

3.1 Inspection

A. Verify long jump pit excavation is correctly sized and located and ready for curbs and sand fill.

3.2 Installation

A. Shot Put and Discus Circle: Set in concrete pad in accordance with manufacturer's instructions.

3.3 Baseball and Softball Benches

A. Install complete the new benches for each Dugout location.

END OF SECTION

DIVISION 27 - COMMUNICATIONS
Section 27 40 00 – Telecommunications Intercom

1.00 PART 1 - GENERAL

1.01 SCOPE:

A. The General provisions of the contract, including conditions of the contract and Division 1 of the specifications, apply to the work in this section.

B. This section is hereby made a part of all other sections of Division 27 as a fully as if repeated in each therein.

1.02 SCOPE OF WORK:

A. The contractor shall furnish all equipment and all equipment and labor necessary for and reasonably incidental to the complete installation of the communications systems as outlined in the following specifications, including but not limited to:

1. Inter-communication system

B. Installation of the systems shall be as outlined in the following specifications, including but not limited to:

1. Submission of shop drawings, catalog sheets and samples for approval.

2. Verification of dimensions and conditions at project site.

3. Installation in accordance with contract documents, manufacturer's recommendations, and applicable code requirements.

4. Initial test and adjustments, written report, demonstration of systems for approval, participation in acceptance tests, final adjustments as required, and submission of final diagrams and Owners' manuals.

5. Instruction of operating personnel.

6. Maintenance services for one (1) year following acceptance of systems.

1.03 STANDARDS:

A. All of the above equipment shall be installed in the conduit systems as indicated on the plans and hereinafter specified. The manufacturer's distributor shall guarantee the entire system for one (1) year against all defects in material and workmanship.

B. All individual panels, housings and the entire system shall bear the label of Underwriters' Laboratories. Contractor shall provide a complete set of operating instructions including circuit diagrams and other information necessary for proper installation, operation, and service maintenance.

C. The administrative inter communication system is based on equipment as manufactured by Rauland and compatible with the existing Telecenter U communication system.

D. Cable installed through the air plenum in the corridor areas shall be installed in conduit and have plenum rated backboxes. Contractor shall provide conduit sleeves through walls and across corridors as required. Contractor will use the appropriate fire rated sealant to patch conduit openings.

1.04 FIELD QUALITY CONTROL:

A. The manufacturer's authorized representative shall perform a quality inspection of final installation of all systems herein specified and, in presence of contractor and Owner's Representative, perform a functional test of each system.

B. A written system certification verifying proper system operation shall be required prior to acceptance.

C. Contractor shall show satisfactory evidence of maintaining a service organization capable of furnishing adequate inspection and service to equipment and be prepared to offer service contract for maintenance of system after guarantee period.

2.00 PART 2 - PRODUCTS:

2.01 ACCEPTABLE MANUFACTURERS:

A. The equipment model numbers specified and referenced here are that of Rauland.

B. The intent is to establish a standard of quality, function, and features. It is the responsibility of the bidder to ensure that the proposed product meets or exceeds every standard set forth in the Project Specifications.

C. The existing Rauland Telecenter U IP-based system shall be extended as required to accommodate new school communication locations as indicated.

2.02 EQUIPMENT:

A. To fulfill all other system requirements, provide the following quantities as shown on project drawings:

1. Rauland Classroom/Hallway IP based 8" Loudspeaker Unit

2. Rauland IP based 2-Level Call-in Stations (normal and emergency)

3. Rauland ACC1004 Square 2-piece Ceiling Baffle Back Boxes and Supports for mounting Rauland Speaker Unit: Baffle shall have concealed speaker-mounting studs. Utilize in all offices, hallways, etc., as shown. Unit shall be flush-mounted and be finished in white epoxy paint, provide surface units in existing areas.

4. Rauland IP based Volume Controls, provide priority overide networks in all administrative areas.

5. West Penn CL25301 Intercom Origination Cable - plenum.

6. West Penn CL25291 Intercom Non-origination Cable - plenum.

7. West Penn CL25238 Clock System Cable - plenum.

8. Energy Electric 4 pair Cat. 3 plenum cable Model 20611-EF-20.

3.00 PART 3 - EXECUTION:

3.01 GENERAL:

A. All items of equipment shall be installed in accordance with manufacturer recommendations to operate as complete individual systems.

B. Provide all necessary wiring, hardware, etc., for complete systems installation.

C. Provide all necessary wiring as required and/or noted on drawings. All wiring shall be run in conduit or in cable trays, unless noted. No wiring shall be run exposed on ceilings, floor, or walls.

D. Backboxes of proper size and configuration shall be provided for all components requiring them.

E. The manufacturer's authorized representatives shall perform a quality inspection of the final installation and, in the presence of the Electrical Contractor and Owner's Representatives, shall perform a complete functional test of the systems. A System Certification verifying the proper system operation shall be required prior to acceptance.

F. The installing contractor will be an authorized distributor of the system provided and have a minimum of five (5) similar systems currently in operation.

G. System wiring shall be in accordance with good engineering practices as established by the EIA and NEC. Wiring shall meet all established state and local electrical codes. All wiring shall test free from grounds and shorts.

H. Contractor shall furnish a minimum of two (2) hours of in-service training with this system. These sessions shall facilitate the training of individuals in operating station equipment, administrative devices, user programming functions, diagnostics, and program distribution equipment.

I. Contractor shall provide a one-year guarantee of the installed system against defects in material and workmanship. All labor and materials shall be provided at no expense to the Owner. The guarantee period shall begin on the date of acceptance by the Owner/Engineer.

3.02 ADJUSTMENT AND CLEANING:

A. Clean system equipment and cabinets of dirt and debris.

END OF SECTION 27 40 00

DIVISION 28 – ELECTRONIC SAFETY AND SECURITY
Section 28 13 00 – Access Control System

1.00 PART 1 - GENERAL

1.01 SCOPE:

A. The General Provisions of the Contract, including Conditions of the Contract and Division 1 of the Contract Documents apply to the work in this section.

B. Section 260000 – Electrical Work General Provisions shall apply to the work specified in this section.

C. Interface electronic systems furnished under Division 28 and Facility Management System such that systems are time synchronized.

1.02 SCOPE OF WORK:

A. The work described by this section includes the furnishing of material, equipment, labor, service, and the performing of operations necessary for the installation of the Access Control System, complete and in operating condition as indicated on the contract documents and/or described herein.

B. Equipment and miscellaneous parts must be provided for complete and operating systems, whether specifically mentioned or not.

1.03 STANDARDS:

A. The above equipment shall be installed in the conduit systems as indicated on the contract documents and hereinafter specified. The manufacturer's distributor shall guarantee the entire system for two (2) years against defects in material and workmanship.

1.04 FIELD QUALITY CONTROL:

A. The manufacturer's authorized representative shall perform a quality inspection of final installation of all systems herein specified and, in presence of contractor and Owner's Representative, perform a functional test of each system.

B. A written system certification verifying proper system operation shall be required prior to acceptance.

C. Contractor shall show satisfactory evidence of maintaining a service organization capable of furnishing adequate inspection and service to equipment and be prepared to offer service contract for maintenance of system after guarantee period.

1.05 REGULATORY REQUIREMENTS:

A. Equipment and systems provided shall adhere to the standards, codes, regulations, and requirements of the following:

B. National Electrical Code

C. Underwriters Laboratories, Inc.

D. Federal Communications Commission

1.06 SUBSTITUTION OF MATERIALS:

A. Manufacturer model numbers listed in this section indicate the minimum level of performance and quality required.

B. Requests for acceptance of alternate equipment may not be submitted. No alternate systems will be accepted.

C. Should model numbers be obsolete or superseded, the newest equipment model must be furnished.

1.07 SUBMITTALS:

A. Furnish complete shop drawings on the various components of the Access Control System. These submittals shall include but not be limited to the following:

B. Complete scaled contract documents of equipment racks, proximity readers and special assemblies. Each drawing shall show equipment with its manufacturer and model number.

C. Complete one-line contract documents indicating interconnection of equipment. Each drawing shall show circuit numbers for cables and terminal connections.

D. Complete installation contract documents detailing locations of equipment.

E. Each drawing shall have a descriptive title and subparts of each drawing shall be completely described. Shop drawings shall have the name of the project and electronics contractor in the title block.

F. Shop drawings shall be produced in AutoCad software.

G. Prior to final acceptance, submit three complete copies of an operating and maintenance manual for the systems. Each manual shall contain the following minimum information:

1. Instruction necessary for the proper operation and maintenance of the system.

2. Complete contract documents of the system showing cable numbers, performance levels and construction details of racks and consoles.

3. System backup, in printed and USB formats.

1.08 WARRANTY:

A. Warrant the system to be free from defects under normal operating conditions for a period of two (2) years from date of Substantial Completion. Contractor to correct deficiencies at their own expense as directed.

2.00 PART 2 - PRODUCTS:

2.01 SYSTEM OPERATION AND FUNCTIONAL REQUIREMENTS:

A. Access Control system shall be provided. The system shall be capable of providing restricted access, recording activity, and archiving. System shall be capable of being operated as described herein.

2.02 EQUIPMENT:

A. Proximity Reader

1. SXF1550 Proximity Card Reader

B. Door strikes

1. Door strike provided by door hardware supplier. Access control contractor to coordinate with door hardware supplier.

2. Access control contractor to provide power supply for door strike and release mechanism. Extend power from nearest emergency power panel.

C. Headend / Recording / Control Equipment

1. RS2 Ultra-Lite Control Software

2. RS2 SCP System Controller

3. RS2 MR52 Reader Interface

D. Wire and cable

1. Wire and cable to be plenum rated type.

2. Belden 3 pair, individually shielded, 22AWG: Part # 87777

3. Belden 2 conductor, 18 AWG, shielded: Part # 6300FE

3.00 PART 3 - EXECUTION:

3.01 GENERAL:

A. Items or equipment necessary to fulfill the contract documents and requirements for a fully operational system, even if not specifically mentioned herein, are to be provided without additional claim for payment.

B. Label and identify controls, devices, jacks, and components with permanent labels.

C. Properly ground equipment per NEC and AES requirements.

D. No splices in control / power wiring are permitted except in equipment cabinets or junction boxes.

E. Control and power wires shall be installed in individual conduit, where necessary.

F. Equipment shall be installed neatly, plumb, and square.

G. Label or otherwise mark wiring at each end corresponding to destination and function.

H. Provide adequate ventilation and vent panels for proper cooling of equipment.

I. Unused rack spaces shall be filled with blank panels as required.

J. AC wiring within equipment cabinets or racks shall be installed to NEC guidelines.

K. Mounting heights of equipment shall be approved.

L. Control system shall be interfaced with FACP.

3.02 TRAINING:

A. Provide three (3) Operation and Maintenance manuals for approval at 75% completion. Upon approval, one (1) O&M manual to be submitted to Owner at time of training.

B. Provide four (2) hours of administrator training, to be videotaped by contractor. Upon completion of training, contractor shall provide two (2) copies of videotaped sessions.

3.03 TESTING AND ADJUSTING:

A. Initial tests and adjustments shall be done by the Contractor and costs for same shall be included as part of the bid. The scope of work included under the above requirement is as follows:

B. Perform the tests and adjustments necessary to assure the satisfactory quality and level of access control and recording activity of the system under normal operating conditions.

C. Establish and record the control settings throughout the system for desired operation. Provide hard copy of settings with record documents. Provide in printed form and on diskette.

3.04 ADJUSTMENT AND CLEANING:

A. Clean system equipment and cabinets of dirt and debris.

END OF SECTION 28 13 00

SECTION 32 31 14
BACKSTOP SYSTEMS CABLE DESIGN

1 General

1.1 Section Includes

A. Cable System Posts, framework, netting, and accessories.

B. Concrete anchorage for posts.

1.2 Related Sections

A. Section 32 31 13 – Chain Link Fences and Gates: Concrete anchorage for posts.

1.3 References

A. ASTM A123 - Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.

B. ASTM A428 - Weight of Coating on Aluminum-Coated Iron or Steel Articles.

C. ASTM A569 - Steel, Carbon, (0.15 Maximum, Percent) Hot-Rolled Sheet and Strip Commercial Quality.

D. ASTM C94 - Ready-Mixed Concrete.

E. ASTM F669 - Strength Requirements of Metal Posts and Rails for Industrial Chain Link Fence.

F. ASTM F1083 - Pipe, Steel, Hot-Dipped Zinc-Coated (Galvanized) Welded, for Fence Structures.

1.4 Quality Assurance

A. Manufacturer and Installer: Company specializing in commercial quality Backstop Netting Systems with five (5) years experience.

1.5 Submittals

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

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

1. Delegated Design: Provide design calculations for all framing, posts, rails, fabric, and footings, sealed by a Professional Engineer registered in the State of Indiana, for the Backstop conditions.

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

D. Submit samples under provisions of Division 1.

1.6 Delivery, Storage, and Handling

A. Materials delivered to the site shall be examined for concealed damage or defects in shipping. Any defects shall be noted and reported the Construction Manager.

B. Replacements, if necessary, shall be immediately re-ordered, so as to minimize any conflict with the construction schedule.

C. Sound materials shall be stored above the ground under protective cover or indoors so as to provide proper protection.

2 Products

2.1 Manufacturers

A. Basis of Design: AAE (Aluminum Athletic Equipment), Royersford, Pennsylvania; Baseball Backstop System.

B. Beacon Athletics, Madison, Wisconsin.

C. National Sports Nets, Lemont, Illinois.

D. Midwest Netting Solutions, Glenview, Illinois.

2.2 Equipment and Materials

A. Basis of Design Size: Model # BBS-35-CD/12 (35' high system, 4 post tensioned):

1. Posts: Straight Post 12"O.D. x .250" wall (reinforced internally) x 36'-0"long two outer (2) and 40'-0"long two (2) inner out of ground, Hot Rolled Steel with ½" thick welded bracket top, welded 18"sq. x 1-5/8" thick plate bottom, entire pole Hot Dip Galvanized with a three coat epoxy black with UV stabilizers.

2. Footing Anchors: 1-inch-7 x 60-inch anchor j-bolts HDG with heavy-duty nuts HDG four (4) per anchor j-bolt with galvanized steel template.

B. Netting: 35-foot overall height to meet backstop wall and fencing/bleachers, by indicted length on Drawings, #N361, 1-3/4-inch sq. black UV-treated knotted nylon net, 360# tensile strength, 1/4-inch MFP rope border all 4 sides.

C. Hardware and Accessories: All stainless steel, 3/8-inchdia. stainless steel aircraft cable load rated, 3/4-inch-forged stainless steel turnbuckle 5200 lbs. rated with 1/2-inch HDG anchor shackle to attach to post bracket and 3/8-inch wire rope clamps with 3/8-inch stainless steel thimble, 3/16-inch dia. Stainless steel cable used on vertical ends and horizontal bottom with 1/4-inch-stainless steel turnbuckle and 304SS loc nuts with 1/4-inch stainless steel cable ties every 12"o.c. across horizontal top tensioned cable. Provide 3/8-inch stainless steel eyelet style brackets for mounting cable along top of masonry wall, set between stone cap units, with flat anchor base on brackets for anchorage into masonry wall under stone cap.

2.3 Concrete Mix

A. Concrete: As specified in Section 32 13 80.

3 Execution

3.1 Inspection

A. Examine the areas and conditions where equipment and systems are to be installed and notify the contractor of conditions detrimental to the proper and timely installation and completion of the work.

B. Do not proceed with the work until unsatisfactory conditions have been corrected by the contractor in a manner acceptable and to the satisfaction of the Construction Manager.

3.2 Installation

A. All backstop netting equipment shall be installed as indicated on approved submittals as recommended and in strict accordance with manufacturer's written directions and as indicated on the drawings and specified herein.

B. All concrete footings for athletic equipment shall be installed as indicated on the drawings and in accordance with Sections 03 30 00 and 32 13 80.

C. All sleeves required for athletic equipment installation shall be set plumb and true to line and grade in concrete as indicated on the drawings and per manufacturer's recommendation.

D. Coordinate, provide wall bracket anchors to associated sub-contractors for installation.

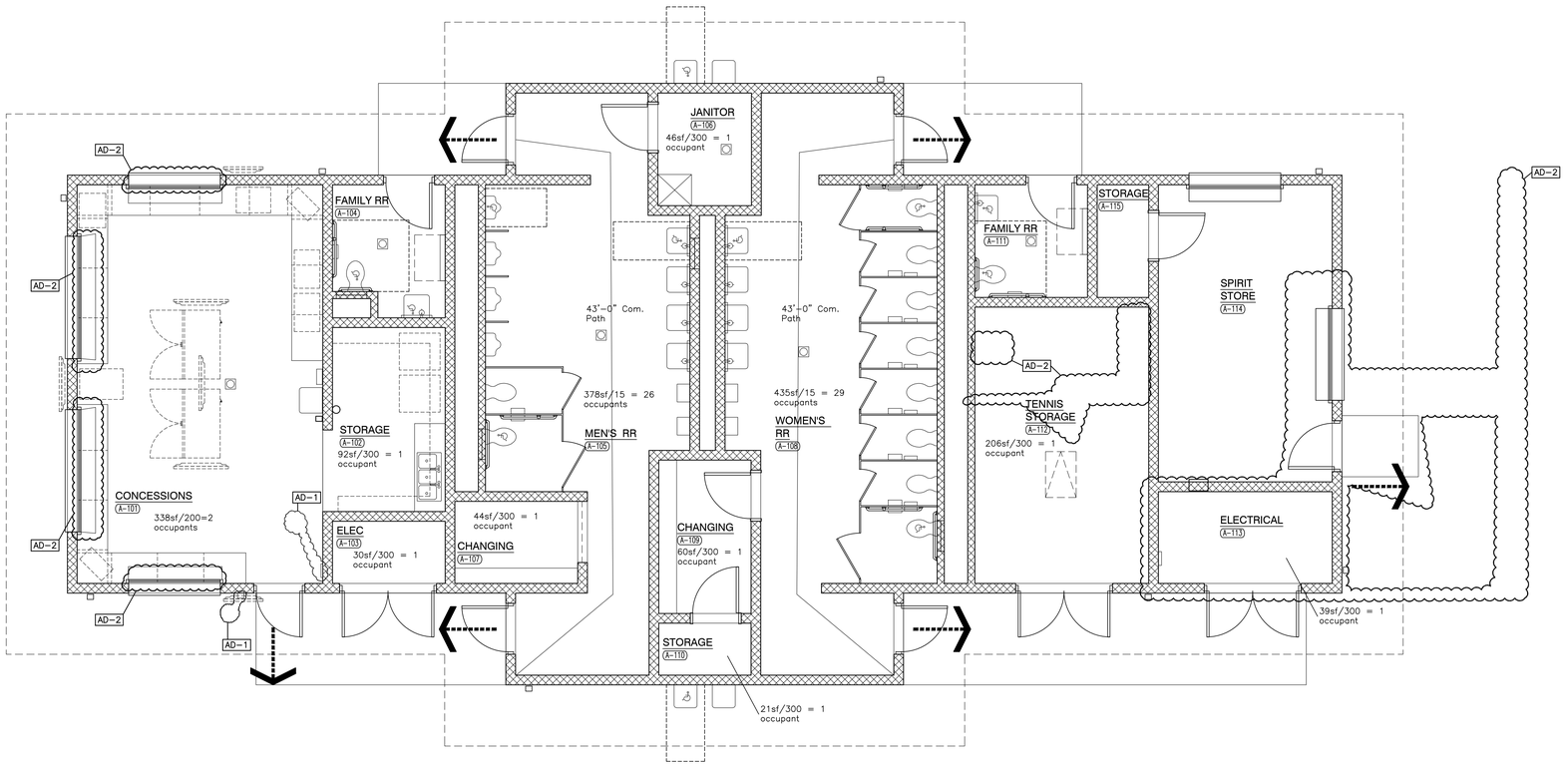
END OF SECTION

LIFE SAFETY GENERAL NOTE:

LIFE SAFETY INFORMATION IS PROVIDED FOR USE BY ALL CONTRACTORS. CONTRACTORS ARE RESPONSIBLE FOR COMPLYING WITH CODE REQUIREMENTS (INCLUDING BUT NOT LIMITED TO: RATED ASSEMBLIES, FIRE PROTECTION, FIRESTOPPING, DAMPERS, AND HARDWARE) INDICATED INCLUDING CONDITIONS WHERE THESE REQUIREMENTS ARE NOT DETAILED. REPORT CONFLICTS OR DISCREPANCIES TO THE ARCHITECT FOR RESOLUTION PRIOR TO STARTING WORK.

AD-3

Applicable Code:	2014 Indiana Building Code (IBC 2012)
Building Description:	The Community Building includes concessions, rest rooms, and tennis storage, and will have approximately 2,590 sq ft in foor area.
Occupancy Classification:	Concessions and rest rooms – B Occupancy [304.1] Storage – moderate hazard – S-1 Occupancy [311.2]
Construction Type and Allowable Area:	Type VB Construction permitted based upon allowable area of 9,000 sq ft. [503]
Building Elements – Fire Resistive Requirements:	Building elements are permitted to be of nonrated combustible construction [601]
Incidental Use Separations:	None applicable to this project [Table 509]
Automatic Sprinklers:	Not required [903.2]
Fire Alarm System:	Not required [907.2.2]
Occupant Load Factors:	Assembly w/o Fixed seats 15 sf per occupant Office 100 sf per occupant Storage/Mechanical 300 sf per occupant



LIFE SAFETY PLAN LEGEND

DOORS WITH PANIC HARDWARE (PH)

MAJOR EGRESS ROUTES

SQUARE FOOTAGE ANALYSIS

NEW FIRST FLOOR	2,590 SQ. FT.
GRAND TOTAL	2,590 SQ. FT.

COMMUNITY BUILDING FIRST FLOOR LIFE SAFTEY PLAN

SCALE: 1/4"=1-0"

NORTH

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
LOWELL HIGH SCHOOL - RENOVATIONS & NEW SPORTS COMPLEX
TRI-CREEK SCHOOL CORPORATION

PROJECT 23-115
DATE 09/25/23
COORDINATED BY TA
DRAWN BY TA
CHECKED BY TA/NW

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

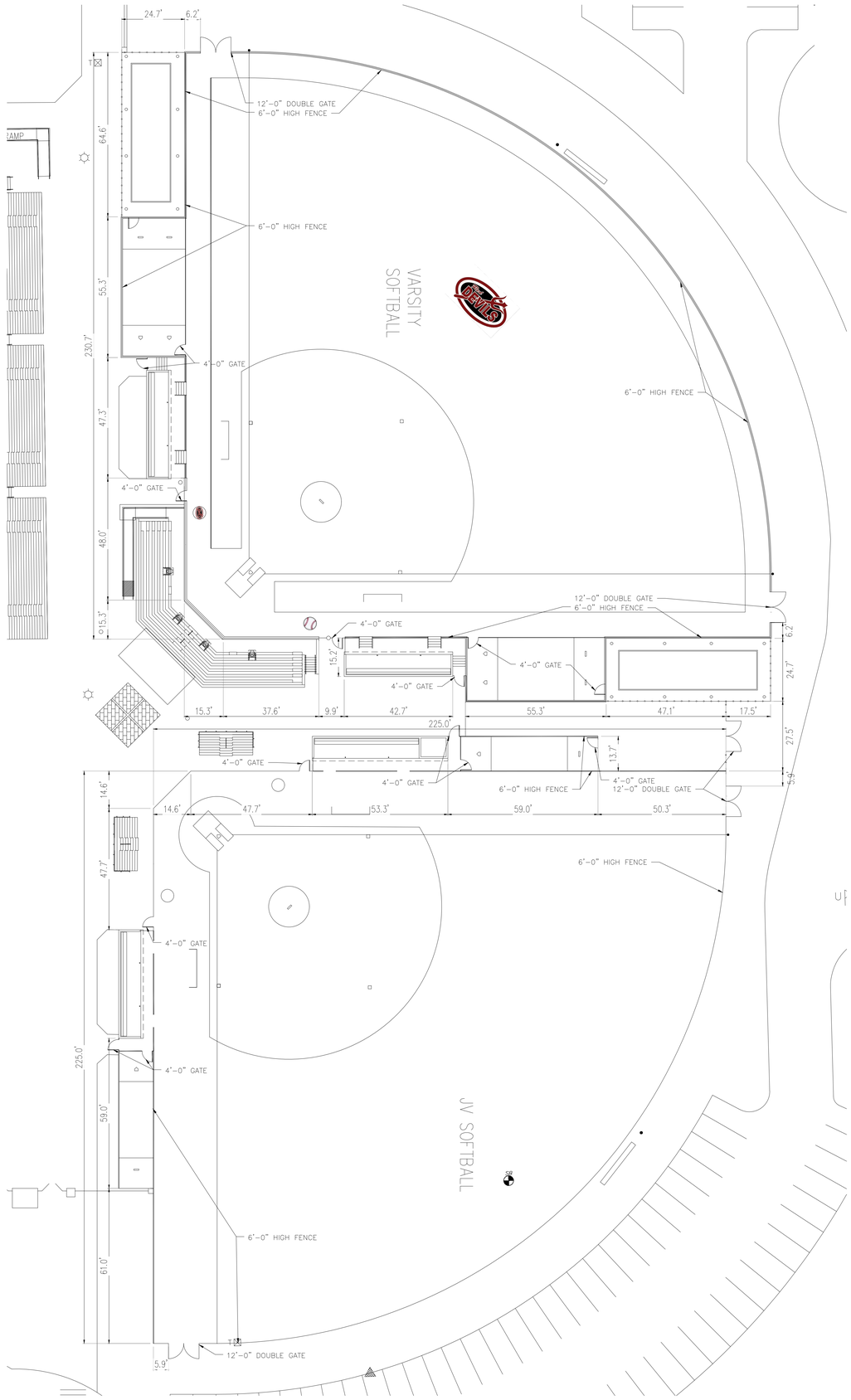
REVISIONS

MARK	DATE	ISSUED FOR
AD-3	10/27/23	ADDENDUM NO. 3

DRAWING
COMMUNITY BUILDING - FIRST FLOOR LIFE SAFETY PLAN

PROJECT
LOWELL HIGH SCHOOL - RENOVATIONS & NEW SPORTS COMPLEX

SHEET
G-205-CB



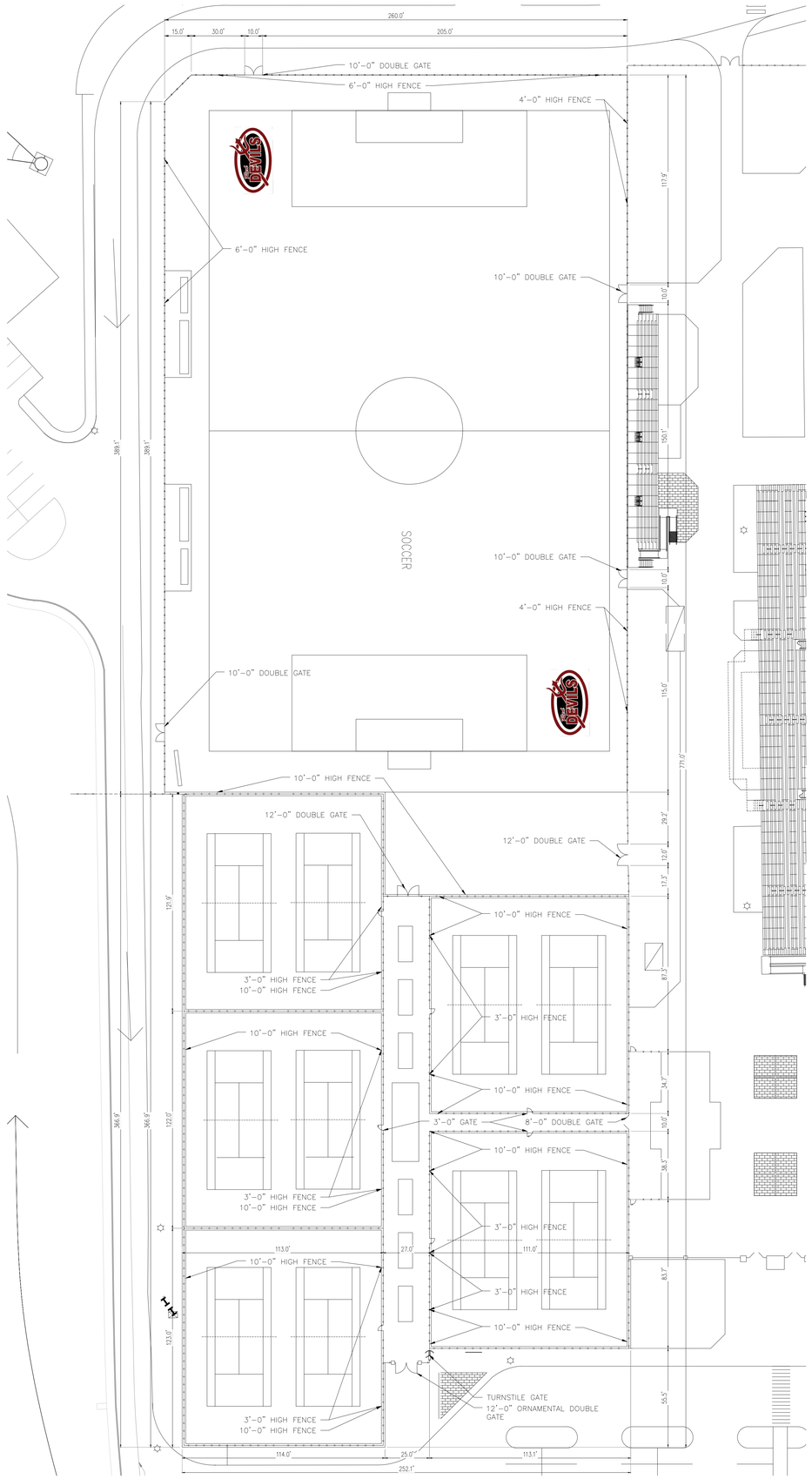
JV/ VARSITY SOFTBALL ENLARGED ARCHITECTURAL SITE PLAN

SCALE: 1" = 20'-0"

NORTH

2

AS-102



SOCCER/ TENNIS COURTS ENLARGED ARCHITECTURAL SITE PLAN

SCALE: 1" = 30'-0"

NORTH

1

AS-102

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

LOWELL HIGH SCHOOL - RENOVATIONS & NEW SPORTS COMPLEX

TRI-CREEK SCHOOL CORPORATION

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 23-115
DATE 09/25/23
COORDINATED BY DTB JPB
DRAWN BY DTB
CHECKED BY DTB JPB

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

REVISIONS

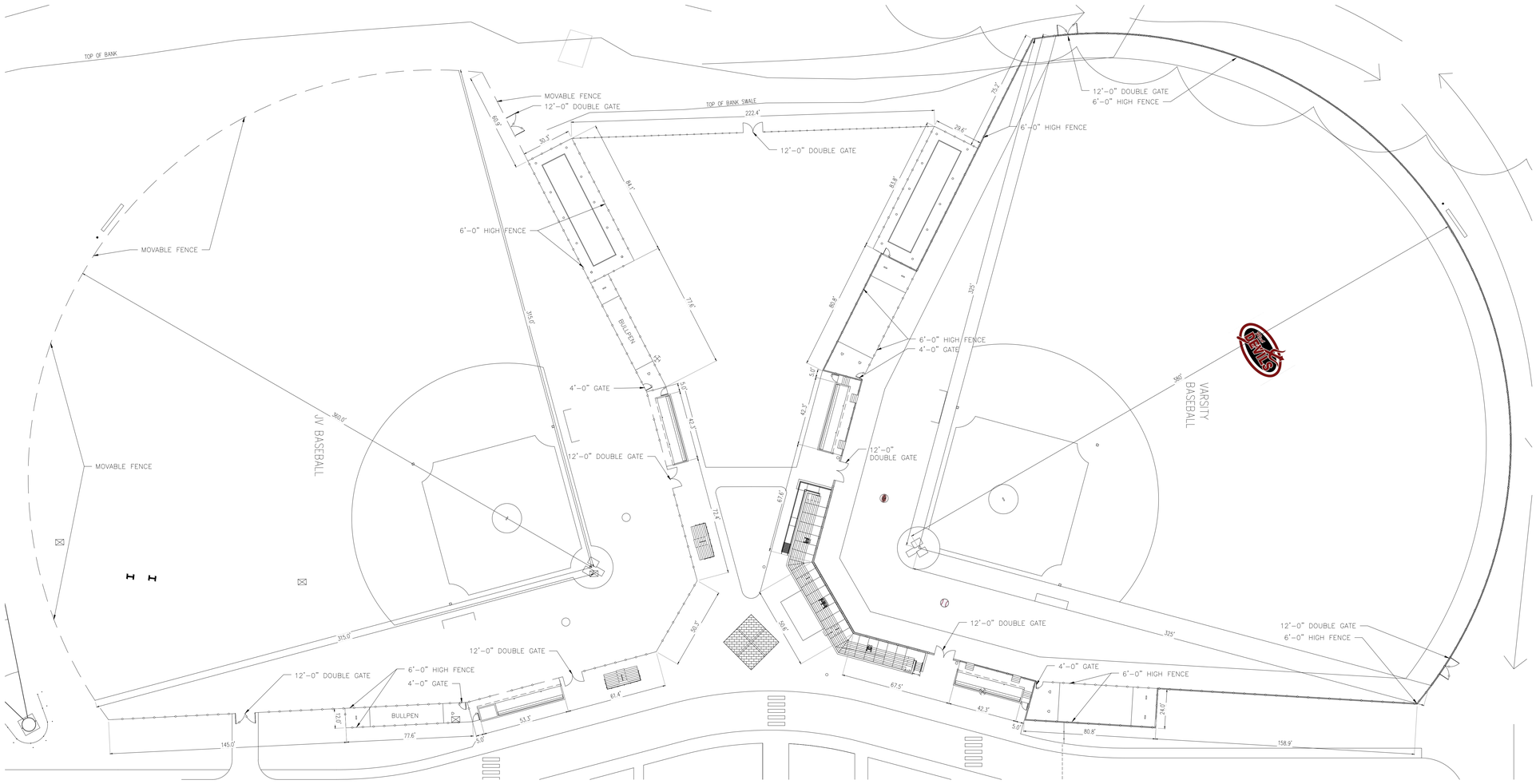
MARK	DATE	ISSUED FOR
AD-3	10/27/23	ADDENDUM NO. 3

DRAWING
ATHLETIC FIELD FENCING

PROJECT
LOWELL HIGH SCHOOL - RENOVATIONS & NEW SPORTS COMPLEX

SHEET
C-2.2A

Friday, 10/27/2023 - 10:13 AM - LAST SAVED BY:KWESLEY
Y:\23-112 TRI-CREEK SC - LOWELL HS SITE IMPROVEMENTS\2X-XXX DRAWINGS\03 SITE\C-2.2A BP-2.DWG



JV/ VARSITY BASEBALL ENLARGED ARCHITECTURAL SITE PLAN

SCALE: 1" = 30'-0"

NORTH

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
LOWELL HIGH SCHOOL - RENOVATIONS & NEW SPORTS COMPLEX
TRI-CREEK SCHOOL CORPORATION

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

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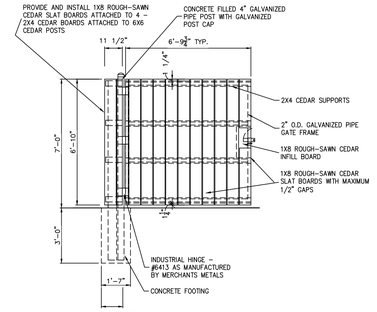
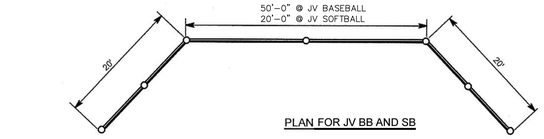
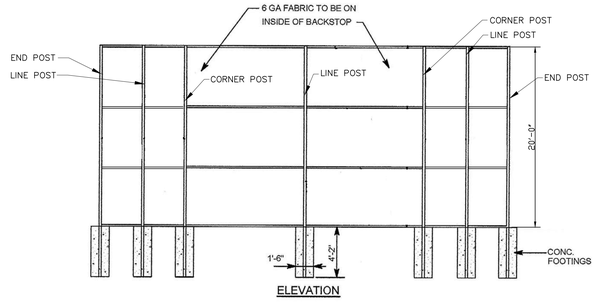


POST/GATE DET.
NOT TO SCALE

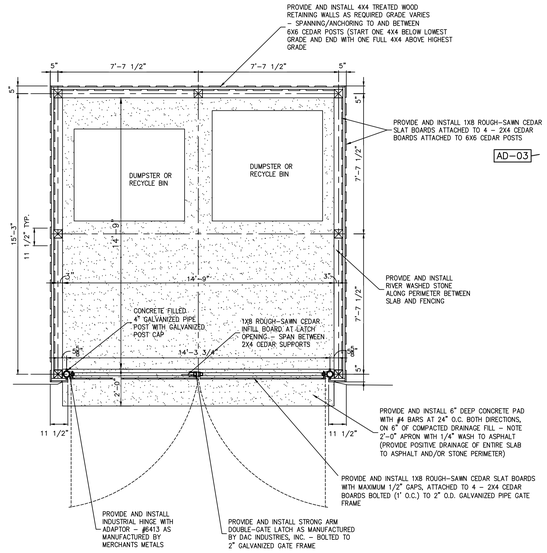


PLAN FOR JV BB AND SB

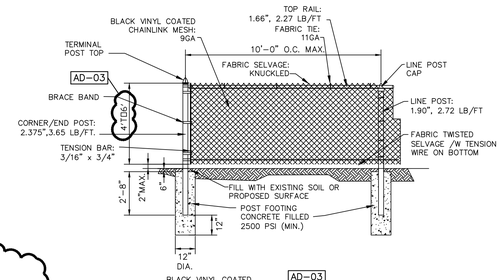


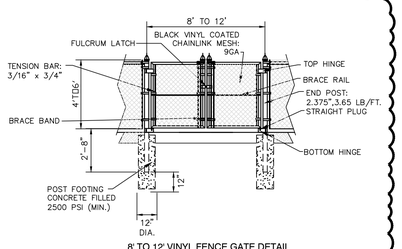
ELEVATION

SOFTBALL/BASEBALL BACKSTOP
NOT TO SCALE

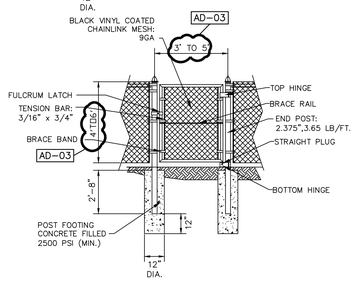


DUMPSTER ENCLOSURE PLAN
NOT TO SCALE

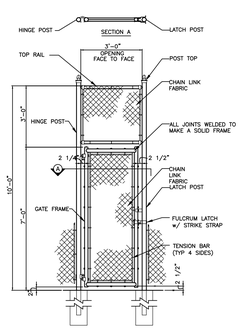




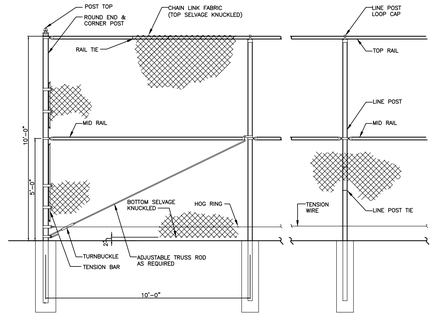
8' TO 12' VINYL FENCE GATE DETAIL
SCALE: NTS



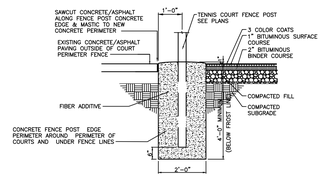
FENCE/GATE DETAIL
NOT TO SCALE



TENNIS GATE ELEVATION
NOT TO SCALE



TENNIS FENCE SECTION/ELEVATION
NOT TO SCALE



TENNIS COURT FENCE POST FOUNDATION
NOT TO SCALE

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LOWELL HIGH SCHOOL - RENOVATIONS & NEW SPORTS COMPLEX
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PROJECT 23-115
DATE 09/25/23
COORDINATED BY DCT
DRAWN BY EM/NM
CHECKED BY DCT

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

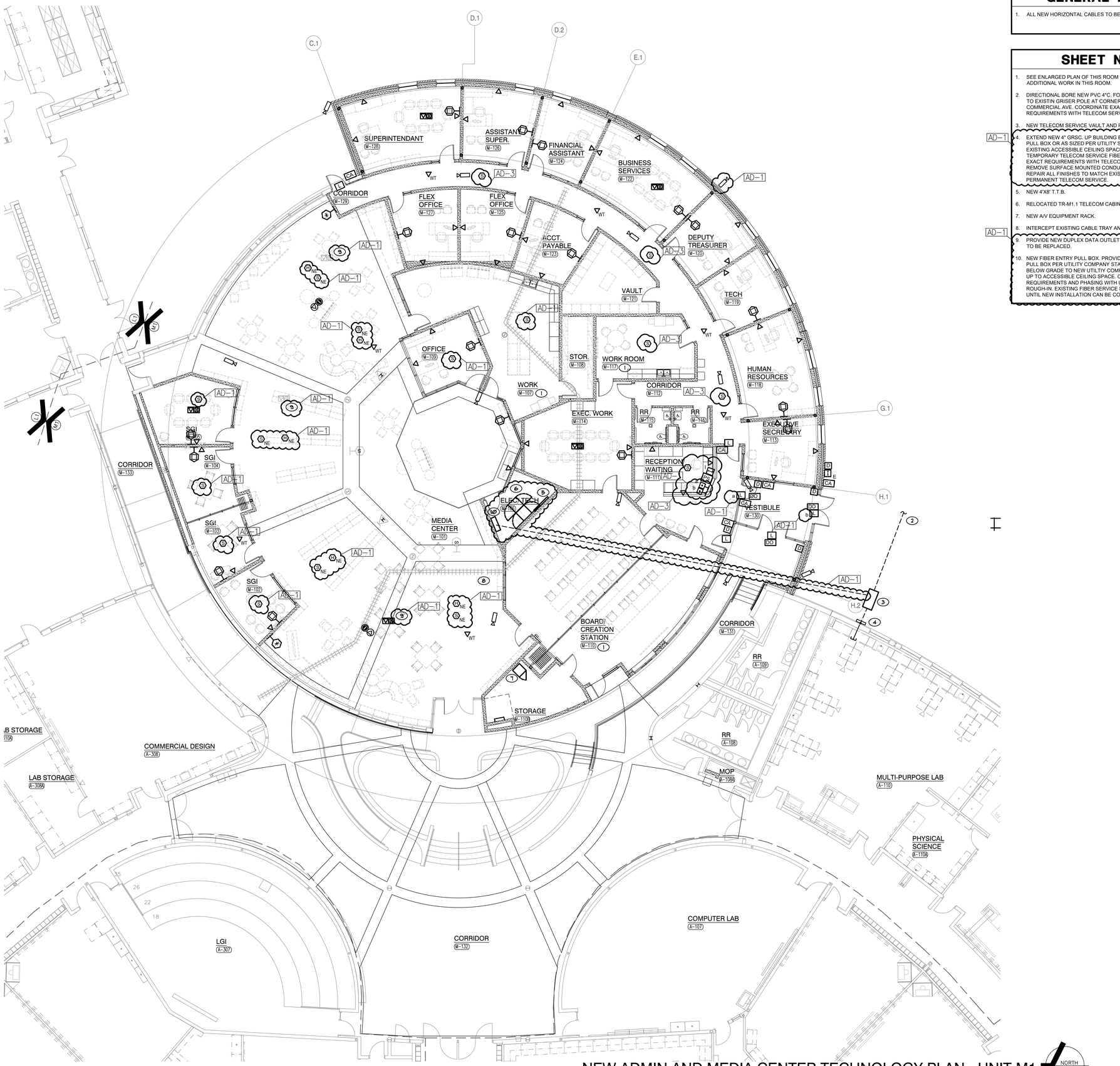
REVISIONS

MARK	DATE	ISSUED FOR
AD-3	10/27/23	ADDENDUM NO. 3

DRAWING
DETAILS AND SPECIFCATIONS

PROJECT
LOWELL HIGH SCHOOL - RENOVATIONS & NEW SPORTS COMPLEX

SHEET
C-5.1



GENERAL NOTES

1. ALL NEW HORIZONTAL CABLES TO BE ROUTED TO TR-M1.1.

SHEET NOTES

1. SEE ENLARGED PLAN OF THIS ROOM ON SHEET T-401-AD FOR ADDITIONAL WORK IN THIS ROOM.
2. DIRECTIONAL BORE NEW PVC 4"C. FOR TELECOM SERVICE ROUTED TO EXISTIN GRISER POLE AT CORNER OF HOLTZ RD AND E COMMERCIAL AVE. COORDINATE EXACT ROUTING AND REQUIREMENTS WITH TELECOM SERVICE PROVIDER.
3. NEW TELECOM SERVICE VAULT AND PEDESTAL.

AD-1
4. EXTEND NEW 4" GRSC. UP BUILDING EXTERIOR. PROVIDE 36"X36" PULL BOX OR AS SIZED PER UTILITY STANDARDS AND STUB INTO EXISTING ACCESSIBLE CEILING SPACE FOR EXTENSION OF TEMPORARY TELECOM SERVICE FIBER AND COAX. COORDINATE EXACT REQUIREMENTS WITH TELECOM SERVICE PROVIDER. REMOVE SURFACE MOUNTED CONDUITS AND PULL BOX, AND REPAIR ALL FINISHES TO MATCH EXISTING AFTER INSTALLATION OF PERMANENT TELECOM SERVICE.

5. NEW 4'X8' T.T.B.
6. RELOCATED TR-M1.1 TELECOM CABINETS.
7. NEW A/V EQUIPMENT RACK.

AD-1
8. INTERCEPT EXISTING CABLE TRAY AND EXTEND AS INDICATED.

AD-1
9. PROVIDE NEW DUPLEX DATA OUTLET WITHIN EXISTING FLOOR BOX TO BE REPLACED.
10. NEW FIBER ENTRY PULL BOX. PROVIDE 36" X 36" WALL MOUNTED PULL BOX PER UTILITY COMPANY STANDARDS. EXTEND (3) 4"C. BELOW GRADE TO NEW UTILTIY COMPANY VAULT. EXTEND (3) 4"C. UP TO ACCESSIBLE CEILING SPACE. COORDIANTE EXACT REQUIREMENTS AND PHASING WITH UTILITY COMPANY PRIOR TO ROUGH-IN. EXISTING FIBER SERVICE SHALL REMAIN OPERATIONAL UNTIL NEW INSTALLATION CAN BE COMPLETED.

NEW ADMIN AND MEDIA CENTER TECHNOLOGY PLAN - UNIT M1

1/8" = 1'-0"

NORTH

GIBRALTAR DESIGN
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MILLIES ENGINEERING GROUP
(219) 924-8400
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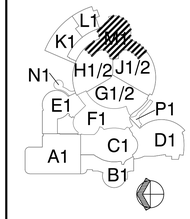
PROJECT

LOWELL HIGH SCHOOL - RENOVATIONS & NEW SPORTS COMPLEX
TRI-CREEK SCHOOL CORPORATION



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PROJECT 23-115
DATE 09/22/23
COORDINATED BY SM
DRAWN BY JC,SM
CHECKED BY DJ

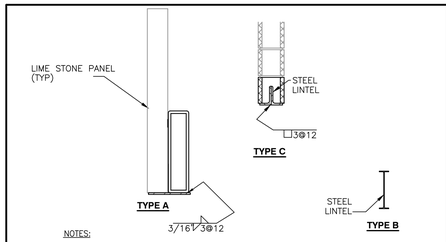
REVISIONS

MARK	DATE	ISSUED FOR
AD-1	10/09/23	ADDENDUM NO. 01
AD-3	10/27/23	ADDENDUM NO. 03

DRAWING
NEW ADMIN AND MEDIA CENTER TECHNOLOGY PLAN - UNIT M1

PROJECT
LOWELL HIGH SCHOOL - RENOVATIONS & NEW SPORTS COMPLEX

SHEET
T-101-AD

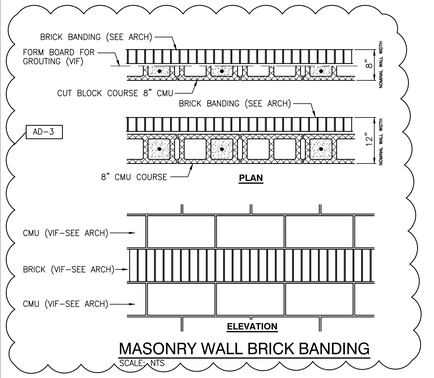


NOTES:

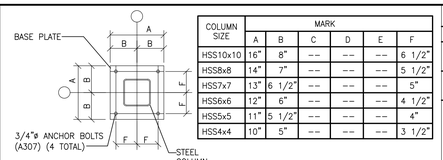
1. TYPE A AND B LINTELS SHALL BEAR ON TWO FULLY GROUTED CORES FULL HEIGHT TYPE C LINTELS SHALL BEAR ON TWO FULLY GROUTED COURSES OR SOLID MASONRY.
2. ALL LINTELS AT EXTERIOR LOCATIONS OR OTHERWISE SUBJECT TO WEATHER OR CORROSIVE ATMOSPHERE SHALL BE GALVANIZED. SEE SPECIFICATIONS.
3. AT "TYPE A" AND "TYPE B" LINTELS, PLATE LENGTH TO BE MASONRY OPENING MINUS 1/4" EACH END (1/2" TOTAL).
4. BEARING PLATE REQUIRED AT END OF SPECIAL LINTEL UNLESS OTHERWISE NOTED
5. "C" INDICATES COLUMN CONNECTION REQUIRED AT ONE OR BOTH ENDS. SEE PLANS FOR LOCATION.

MARK	SIZE	CONTINUOUS PLATE		ELEVATION	TYPE
		TOP	BOTTOM		
SL-1	W8x30	–	–	5/A-416	B
SL-2	HSS4x16x1/2	–	3/8"x 1'-3"	1/A-413	A

SPECIAL LINTEL SCHEDULE
SCALE: NTS

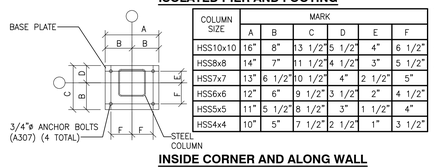


MASONRY WALL BRICK BANDING
SCALE: NTS



COLUMN SIZE	MARK					
	A	B	C	D	E	F
HSS10x10	16"	8"	---	---	---	6 1/2"
HSS8x8	14"	7"	---	---	---	5 1/2"
HSS7x7	13"	6 1/2"	---	---	---	5"
HSS6x6	12"	6"	---	---	---	4 1/2"
HSS5x5	11"	5 1/2"	---	---	---	4"
HSS4x4	10"	5"	---	---	---	3 1/2"

ISOLATED PIER AND FOOTING



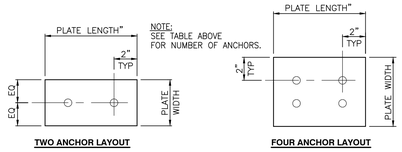
COLUMN SIZE	MARK					
	A	B	C	D	E	F
HSS10x10	16"	8"	13 1/2"	5 1/2"	4"	6 1/2"
HSS8x8	14"	7"	11 1/2"	4 1/2"	3"	5 1/2"
HSS7x7	13"	6 1/2"	10 1/2"	4"	2 1/2"	5"
HSS6x6	12"	6"	9 1/2"	3 1/2"	2"	4 1/2"
HSS5x5	11"	5 1/2"	8 1/2"	3"	1 1/2"	4"
HSS4x4	10"	5"	7 1/2"	2 1/2"	1"	3 1/2"

INSIDE CORNER AND ALONG WALL

TYPICAL BASE PLATE
NTS

BEARING PLATE SCHEDULE

BEARING PLATE MARK	SIZE THK x W x L	NUMBER ANCHOR RODS	REMARKS
BP1	1/2" x 9" x 9"	4	TYPICAL BEAM BEARING
BP2	1/2" x 6" x 9"	3	CORNER BEAM BEARING
BP3	1/2" x 9" x 1'-2"	4	BEAM BEARING



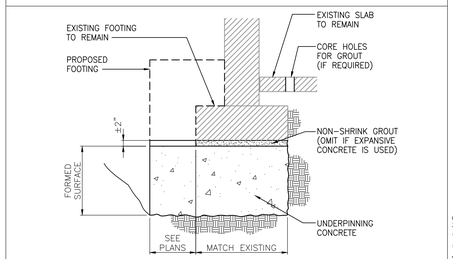
BEARING PLATE SCHEDULE
SCALE: NTS

PANEL MARK	CMU THICKNESS (BACK-UP)	VERTICAL REINFORCING		TOP OF BOND BEAM ELEVATIONS	AD-1 REMARKS	DETAIL
		SIZE	@"A			
PANEL 1	8"	#5	40"	113'-4"	INSP	1,2/ A-401
PANEL 2	8"	#5	36"	113'-4", 128'-0"	INSP	3,4/ A-401
PANEL 3	12"	#5	48"	112'-8"	INSP	3/ A-401
PANEL 4	8"	#6	32"	110'-0"	INSP	3/ A-415

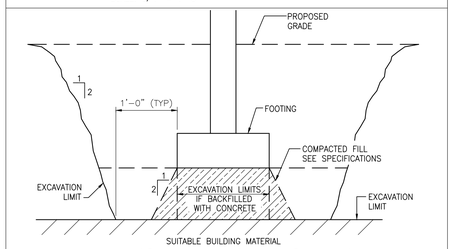
NOTE:
1. (INSP) = MASONRY INSPECTION REQUIRED (SEE SPECIFICATIONS).
2. FOR HORIZONTAL JOINT REINFORCING SIZE AND SPACING SEE SPECIFICATIONS.
3. REINFORCING SCHEDULED HERE IN APPLIES TO THAT PORTION OF THE WALL ABOVE THE FOUNDATION WALL. SEE FOUNDATION PLANS FOR FOUNDATION WALL REINFORCING.
4. ALL REINFORCED MASONRY WALLS TO HAVE BOND BEAM AT OR NEAR TOP OF WALL. (HORZ BAR SIZE; 8" CMU: 2-#6, 10" CMU: 2-#6)

AD-3

MASONRY WALL PANEL SCHEDULE



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



TYPICAL UNDERCUTTING DETAIL
SCALE: 3/4" = 1'-0"

SLAB SCHEDULE

MARK	DEPTH	REINFORCEMENT	REMARKS
A	4"	WWF 6x6 W2.1xW2.1	6" DRAINAGE FILL
B	4 1/2"	WWF 6x6 W2.1xW2.1	USE 2" – 20GA COMPOSITE DECK

NOTE:
1. VAPOR BARRIER TO BE PROVIDED DIRECTLY UNDER SLAB AND MAY BE OMITTED FOR EXTERIOR SLABS. (15 MIL)
2. SEE SPECIFICATION 03001 FOR FIBER-ADDITIVE REQUIREMENTS.
3. SEE DETAIL FOR CLARIFICATION.

PAD SCHEDULE
NOTE: ALL PADS ARE DESIGNED FOR 2500 PSF SOIL BEARING.

MARK	WIDTH	DEPTH	LENGTH	REINFORCEMENT (1/2 EACH WAY)
P4	4'-0"	1'-0"	4'-0"	10 – #5
P5	5'-0"	1'-2"	5'-0"	12 – #5
P6	6'-0"	1'-6"	6'-0"	14 – #5

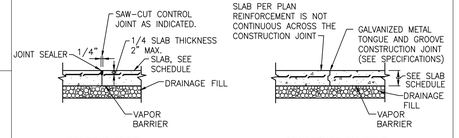
FOOTING SCHEDULE

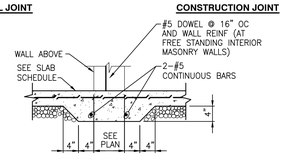
MARK	WIDTH	DEPTH	REINFORCEMENT
F24	24"	12"	3–#5 LONGITUDINAL #5 AT 24" O.C. TRANSVERSE

NOTE:
ALL WALL FOOTINGS ARE DESIGNED FOR 2000 PSF SOIL BEARING

PIER SCHEDULE

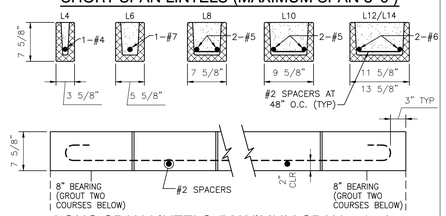
MARK & SIZE	REINFORCING	
	VERTICAL	TIES
PR20– 20"x20"	4 – #6	#3 @ 12"
PR32– 32"x32"	8 – #6	#3 @ 12"



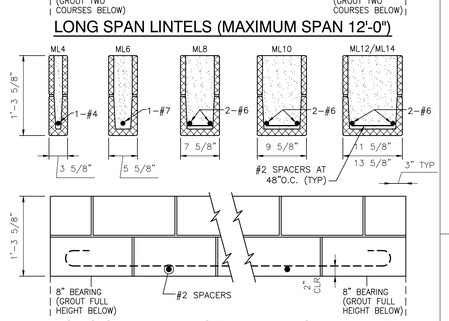


TYPICAL SLAB ON GRADE
SCALE: 3/4" = 1'-0"

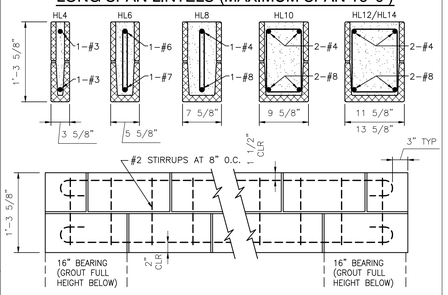
SHORT SPAN LINTELS (MAXIMUM SPAN 8'-0")



LONG SPAN LINTELS (MAXIMUM SPAN 12'-0")



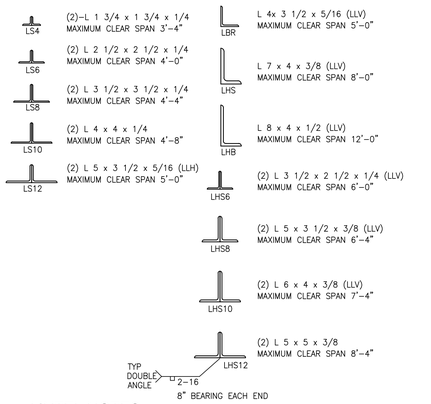
LONG SPAN LINTELS (MAXIMUM SPAN 16'-0")



CMU LINTEL NOTES

1. FILL 4" AND 6" MASONRY UNITS WITH FINE GROUT AND ALL OTHERS WITH COARSE GROUT. REFER TO SPECIFICATIONS SECTION DETAILS.
2. ALL REINFORCING BARS ARE HOOKED AT THE ENDS.
3. FOR TYPE OF CMU AND TYPE OF BOND REFERENCE SPECIFICATION SECTION 04200.
4. LINTELS SHALL BEAR ON SOLID CMU OR BEAR ON 2 FILLED COURSED, UON.
5. MAXIMUM SPANS DO NOT APPLY TO LOAD BEARING WALLS.
6. BOND PATTERN OF LINTEL TO MATCH ADJACENT WALL.
7. BOTTOM OF LINTEL SHALL BE SMOOTH MASONRY WITH NO CORES EXPOSED.
8. 14" LINTELS MAY BE MADE UP OF TWO PIECES OF 8" BOND BEAM UNITS IF 14" BOND BEAM UNITS ARE NOT AVAILABLE. (JOINT TO BE AT CENTER OF WALL)
9. FURNISH AND INSTALL ALL LINTELS REQUIRED FOR ALL OPENING IN MASONRY, INCLUDING MECHANICAL AND ELECTRICAL WORK, WHETHER SPECIFICALLY NOTED ON DRAWINGS OR NOT.

CMU LINTEL SCHEDULE
SCALE: NTS



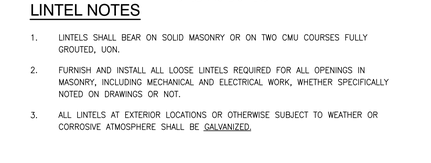
LINTEL NOTES

1. LINTELS SHALL BEAR ON SOLID MASONRY OR ON TWO CMU COURSES FULLY GROUTED, UON.
2. FURNISH AND INSTALL ALL LOOSE LINTELS REQUIRED FOR ALL OPENINGS IN MASONRY, INCLUDING MECHANICAL AND ELECTRICAL WORK, WHETHER SPECIFICALLY NOTED ON DRAWINGS OR NOT.
3. ALL LINTELS AT EXTERIOR LOCATIONS OR OTHERWISE SUBJECT TO WEATHER OR CORROSIVE ATMOSPHERE SHALL BE GALVANIZED.

STEEL LINTEL SCHEDULE

STRUCTURAL LEGEND

(#)	SEE PLAN NOTES
	CONCRETE
	INDICATES THICKEN SLAB UNDER WALL SEE DETAIL ON S–001 AND COORDINATE WITH ARCH PLANS.
P4['99"–0"]	CONCRETE PAD AND TOP OF PAD ELEVATION BELOW NOMINAL FIRST FLOOR ELEVATION.
LBR, ML8, SL–1	INDICATES STEEL, MASONRY OR SPECIAL LINTEL. SEE STEEL LINTEL SCHEDULE , CMU LINTEL SCHEDULE OR SPECIAL LINTEL SCHEDULE ON THIS DRAWING.
RD, RDE RO, ROE AND FO	ROOF OR FLOOR OPENING. SEE GENERAL STRUCTURAL STEEL NOTES FOR FRAME INFORMATION. VERIFY LOCATION WITH CONTRACTOR REQUIRING OPENING. WHERE OPENING SIZE IS NOT GIVEN, COORDINATE WITH CONTRACTOR REQUIRING OPENING FOR EXACT SIZE.
1 S–001	SECTION, DETAIL, OR ELEVATION
R	1 1/2", 20 GAUGE TYPE "B" GALVANIZED METAL ROOF DECK AND DIRECTION OF SPAN.
F	2", 20 GAUGE COMPOSITE GALVANIZED METAL COMPOSITE FLOOR DECK AND DIRECTION OF SPAN.
A	INDICATES CONCRETE SLAB. SEE SLAB SCHEDULE.
BP1	INDICATES MASONRY WALL BEARING PLATE SIZE (SEE S–001 FOR BEARING PLATE SCHEDULE)
PANEL 2	INDICATES MASONRY REINFORCED WALL PANEL. SEE MASONRY PANEL SCHEDULE.



STRUCTURAL ABBREVIATIONS

ALT	ALTERNATE	LAT	LATERAL
ARCH	ARCHITECTURAL	LONG	LONGITUDINAL
B/	BOTTOM OF	MAX	MAXIMUM
BM	BEAM	MECH	MECHANICAL
BOTT	BOTTOM	MIN	MINIMUM
BRG	BEARING	MAS	MASONRY
CL	CENTERLINE	N	NORTH
CMU	CONCRETE MASONRY UNIT	NIC	NOT IN CONTRACT
C TO C	CENTER TO CENTER	NO/#	NUMBER
CLR	CLEAR/CLEARANCE		
COL	COLUMN	O.C.	ON CENTER
CONC	CONCRETE	O TO O	OUT TO OUT
CONSTR	CONSTRUCTION	OPNG	OPENING
CONT	CONTINUOUS	OPP HD	OPPOSITE HAND
CONTR	CONTRACTOR		
		PL	PLATE
DET	DETAIL	PSF	POUNDS PER SQUARE FOOT
DWG	DRAWING	PSI	POUNDS PER SQUARE INCH
E	EAST	REF	REFER TO
EA	EACH	REINF	REINFORCING
EF	EACH FACE	REQ'D	REQUIRED
ELEC	ELECTRICAL		
EL	ELEVATION	S	SOUTH
EQU	EQUAL	SECT	SECTION
EQUIP	EQUIPMENT	SIM	SIMILAR
EW	EACH WAY	SPA	SPACE
EXIST	EXISTING	SPEC	SPECIFICATIONS
EXP	EXPANSION	STD	STANDARD
		STL	STEEL
FIN	FINISH	STRUCT	STRUCTURAL
FL	FLOOR		
FDN	FOUNDATION	T/	TOP OF
FTG	FOOTING	TOM	TOP OF MASONRY
		TOS	TOP OF STEEL
GA	GAUGE	THK	THICK/THICKNESS
GC	GENERAL CONTRACTOR	TYP	TYPICAL
HORIZ	HORIZONTAL	UON	UNLESS OTHERWISE NOTED
HS	HIGH STRENGTH		
		VIF	VERIFY IN FIELD
JST	JOIST	VERT	VERTICAL
JT	JOINT		
		W	WEST
L	ANGLE	w/	WITH
LLH	LONG LEG HORIZONTAL	WWF	WELDED WIRE FABRIC
LLV	LONG LEG VERTICAL		

GENERAL DESIGN NOTES

1. BUILDING CODE 2014
   INTERNATIONAL BUILDING CODE – (WITH INDIANA ADMENDMENTS)
2. DESIGN LOADS:

   ROOF LOADS: DL (PSF)

GENERAL	CLASSROOM	CORRIDORS	OFFICE	ENTRY
34	32	65	32	29

   FLOOR LOADS: DL (PSF)

MEZZ/ STORAGE
150

   FLOOR LOADS: LL (PSF) GENERAL 40
   ROOF LOADS: LL (PSF) GENERAL 20
3. SNOW LOAD INFORMATION: AD–1
   GROUND SNOW LOAD (Pg) 25 PSF + DRIFT
   SNOW EXPOSURE FACTOR (Ce) – 0.9
   SNOW LOAD IMPORTANCE FACTOR (Is) – 1.1
   THERMAL FACTOR (Ct) – 1.0
   FLAT ROOF SNOW LOAD (Pf) – 28 PSF
4. WIND LOAD INFORMATION:
   BASIC WIND SPEED; V ult – 120 MPH
   WIND IMPORTANCE FACTOR – 1.15
   BUILDING CATEGORY – III
   WIND EXPOSURE – C
   INTERNAL PRESSURE COEFFICIENT (GCpi) – ±0.18
5. SEISMIC DESIGN DATA:
   SEISMIC USE GROUP – II
   SPECTRAL RESPONSE COEFFICIENTS
   Sds – 0.14
   Sd1 – 0.10
   SITE CLASS – D
   BASIC SEISMIC–FORCE–RESISTING SYSTEM – 2P
   DESIGN BASE SHEAR (V) – 0.043W
   ANALYSIS PROCEDURE – EQUIVALENT LATERAL FORCE

GENERAL FOUNDATION/CONCRETE NOTES

1. ALL CONCRETE SHALL BE STONE/GRAVEL AGGREGATE CONCRETE HAVING A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS AS NOTED IN THE SPECIFICATIONS.
2. ALL REINFORCING STEEL SHALL CONFORM, TO ASTM A615, GRADE 60 UNLESS NOTED OTHERWISE.
3. ALL FOOTINGS AND PADS ARE DESIGNED TO BEAR ON UNDISTURBED SOIL WITH AN ALLOWABLE BEARING CAPACITY OF 2000 PSF.

GENERAL STRUCTURAL STEEL NOTES

1. ALL STRUCTURAL STEEL SHALL CONFORM TO THE STANDARD SPECIFICATION FOR STRUCTURAL STEEL, ASTM A992, UNLESS NOTED OTHERWISE.
2. ALL JOIST ANCHORS, BEAM BEARING PLATES, LINTELS, METAL DECK ANCHORS, AND NEEDLE BEAMS ARE TO BE FURNISHED BY THE STRUCTURAL METALS CONTRACTOR AND INSTALLED BY THE MASONRY CONTRACTOR.
3. PROVIDE CURB ANGLES 3x3x1/4 TO SUPPORT ROOF DECK AT OPENINGS, UNLESS NOTED OTHERWISE.
4. STRUCTURAL STEEL FABRICATOR SHALL PROVIDE STEEL FILLERS ON BEAM FLANGES WHERE REQUIRED FOR THE BEARING OF METAL DECK.
5. STRUCTURAL STEEL FABRICATOR SHALL PROVIDE SUPPORTS FOR METAL DECK AT PERIMETER COLUMNS, BUILDING CORNERS AND ALL OTHER LOCATIONS AS REQUIRED FOR COMPLETE INSTALLATION OF DECK.

GENERAL STEEL DECK NOTES

1. METAL DECK MANUFACTURER SHALL PROVIDE 6" WIDE, 22 GAUGE COVER PLATES AT ALL DECK SPLICE LOCATIONS WHERE THE ROOF DECK HAS A CHANGE IN DIRECTION OR SLOPE.
2. METAL DECK MANUFACTURER SHALL PROVIDE RECESSED SUMP PANS TO ACCOMMODATE ROOF DRAINS IN ALL METAL ROOF DECKS.

GENERAL MASONRY NOTES

1. ALL CONCRETE MASONRY ASSEMBLAGES ARE DESIGNED FOR AN ULTIMATE COMPRESSIVE STRENGTH f'm = 1500 PSI.
2. ALL BEAMS AND LINTELS WHICH BEAR ON MASONRY SHALL BEAR A MINIMUM OF 8 INCHES ONTO MASONRY UNLESS OTHERWISE NOTED.
3. BLOCK WALLS SHALL BE LAID UP IN A RUNNING BOND PATTERN UNLESS OTHERWISE NOTED.
4. PROVIDE BRACING FOR ALL NON–LOAD BEARING BLOCK PARTITION WALLS PER A.C.I. THE TYPICAL BRACING DETAILS. AD–1
5. ALL MASONRY WALLS ON FOUNDATIONS (INTERIOR AND EXTERIOR) SHALL BE REINFORCED WITH #5 AT 48" C TO C UNLESS OTHERWISE NOTED.

GENERAL PRECAST CONCRETE PLANKS NOTES

1. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3500 PSI AT RELEASE OF PRESTRESS STRANDS AND 6500 PSI AT 28 DAYS.
2. PRESTRESSING STRANDS SHALL BE UNCOATED, 7 WIRE LOW RELAXATION CONFORMING TO ASTM C–416, PORTLAND CEMENT ASTM C–150, CONCRETE AGGREGATES ASTM C–33.
3. NO ADMIXTURES ARE ALLOWED TO BE USED IN THE CONCRETE MIX. THE SUPERIMPOSED LOADS AS INDICATED ON THE DRAWINGS. THE GENERAL DESIGN OF THE SLAB SHALL CONFORM TO ACI 318–20.
4. COORDINATE EXACT LOCATION OF ALL LOAD BARING WALLS BY STRUCTURAL AND ARCHITECTURAL PLANS. (SEE: SF–101–NS, A–101–NS)
5. COORDINATE EXACT LOCATION AND SIZE OF MASONRY ELEVATOR SHAFT WITH MANUFACTURE.
6. COORDINATE EXACT LAYOUT OF ALL FLOOR PLANK PENETRATIONS WITH THE MECH, ELEC OR PLUMBING INSTALLING CONTRACTOR.

UNDERPINNING NOTES

1. EXISTING FOOTING SCHEDULE SHALL BE HAND EXCAVATED IN LENGTHS (PARALLEL TO EXISTING WALL) NOT GREATER THAN SIX (6) FEET AND TO THE WIDTH OF THE EXISTING FOOTING. EXCAVATED AREAS SHALL BE SPACED AT NOT LESS THAN EIGHTEEN (18) FEET ON CENTERS SO THAT NO MORE THAN ONE–THIRD (1/3) OF THE EXISTING FOOTING IS UNDERCUT AT ANY TIME. EXCAVATING SHALL BE DONE FROM THE EXTERIOR OF THE EXISTING FOUNDATION. (SEE 7/S–301)
2. UNDERPIN FOOTINGS SHALL BE FORMED AGAINST EARTH EXCEPT FOR EXPOSED SURFACES WHICH SHALL BE FORMED. ALL EARTH SHALL BE REMOVED FROM THE ADJOINING FACE OF UNDERPIN FOOTINGS PRIOR TO PLACING THE ADJACENT SEGMENT.
3. THE SPACE (2 INCHES MINIMUM) BETWEEN BOTTOM OF EXISTING FOOTING AND TOP OF UNDERPIN FOOTING LSHALL BE PACKED WITH NON–SHRINK GROUT AFTER THE UNDERPIN FOOTING HAS CURED FOR 72 HOURS. NO EXCAVATION OF ADJACENT UNDERPIN SEGMENTS SHALL BE MADE UNTIL NON–SHRINK GROUT IS CURED TO A 2,000 PSI COMPRESSIVE STRENGTH, ACCORDING TO MANUFACTURERS DATA.
4. IF THE UNDERPINNING OPERATION RESULTS IN THE UNDERMINING OF THE EXISTING EXTERIOR SLAB, AFTER UNDERPINNING IS COMPLETED, GROUT SHALL BE PUMPED THROUGH CORED HOLES IN THE EXISTING SLAB. GROUTING SHALL BEGIN AT ONE END. GROUT SHALL BE PUMPED INTO THE HOLE UNTIL IT IS FULL OR LUNTILL GROUT BEGINS TO SHOW IN THE ADJACENT HOLE. GROUTING SHALL THEN PROCEED AT THE NEXT ADJACENT HOLE.
5. UNDERPINNING CONCRETE SHALL BE f'c = 1,500 PSI AT 28 DAYS.
6. AS AN ALTERNATIVE TO NOTE 3, EXPANSIVE CEMENT CONCRETE (TYPE K) MAY BE USED, AND THE GROUTING STEP MAY BE OMITTED. IF EXPANSIVE CEMENT CONCRETE IS USED, FORMED SURFACES SHALL BE SECURELY BRACED TO PREVENT MOVEMENT DURING THE CURING.
7. THE INSTALLING FOUNDATION CONTRACTOR OR OWNER MUST VERIFY WHAT TYPE OF IN PLACE SHORING AND REPAIRS OR REPLACEMENT OF THE EXISTING BRICK FOUNDATION WALL IS REQUIRED. IN PLACE JACKING OF PORTIONS OF THE HOUSE CURRENTLY BEING SUPPORTED BY THE BRICK FOUNDATION IS TO BE DETERMINED BY THE INSTALLING FOUNDATION REPAIR CONTRACTOR WITH OWNERS APPROVAL PRIOR TO REMOVAL AND REPLACEMENT WITH CMU. (FIELD VERIFY)

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

LOWELL HIGH SCHOOL - RENOVATIONS & NEW SPORTS COMPLEX

TRI-CREEK SCHOOL CORPORATION

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 23–115
DATE 09/25/23
COORDINATED BY RM
DRAWN BY RM
CHECKED BY RM JPB

ROGER MALONE REGISTERED NO. PE 19800200 STATE OF INDIANA PROFESSIONAL ENGINEER

REVISIONS

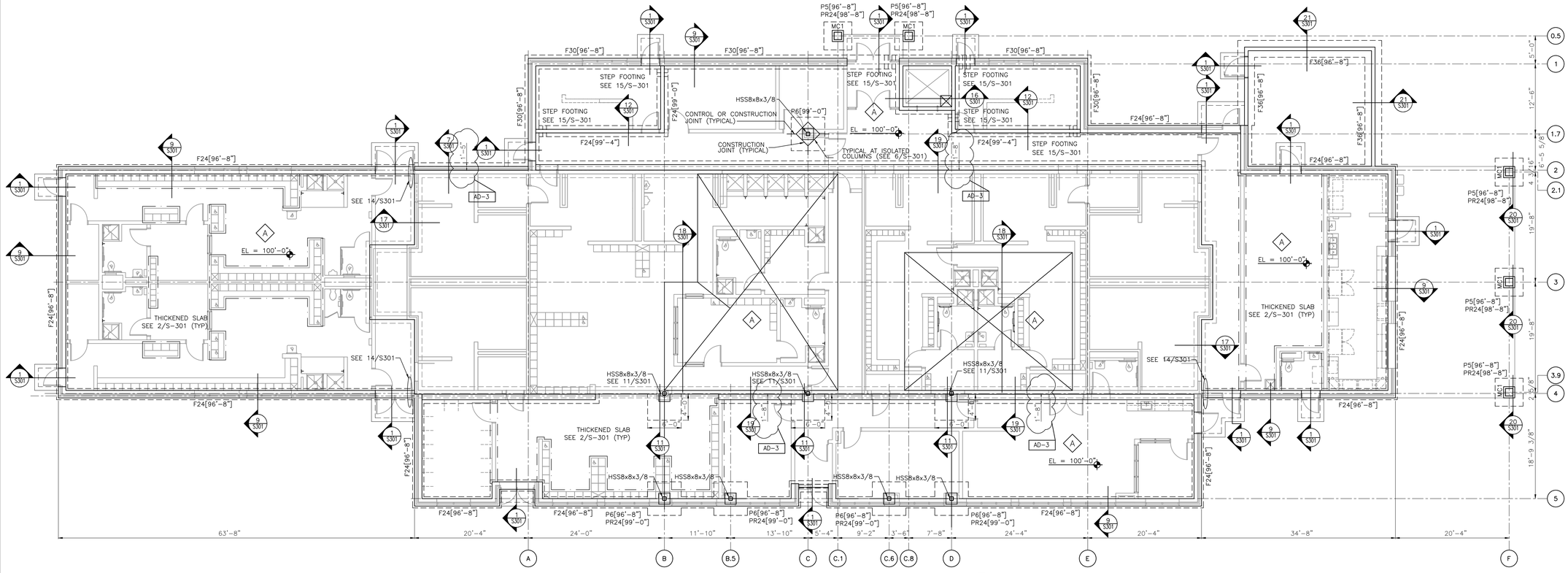
MARK	DATE	ISSUED FOR
AD–1	10/10/23	ADDENDUM NO. 1
AD–3	10/27/23	ADDENDUM NO. 3

DRAWING
NORTH STAR STRUCTURAL SECTIONS, DETAILS AND NOTES

PROJECT
LOWELL HIGH SCHOOL - RENOVATIONS & NEW SPORTS COMPLEX

© GIBRALTAR DESIGN SHEET

S-001-NS



NORTH STAR BUILDING - FOUNDATION PLAN

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

NORTH

FOUNDATION/SLAB PLAN NOTES

1. SEE SHEET S-001 FOR GENERAL NOTES, STRUCTURAL LEGEND, SCHEDULES AND TYPICAL DETAILS.
2. ALL ELEVATIONS ARE REFERENCED FROM A FINISH FLOOR ELEVATION OF 100'-0" PER AREA. SEE PLAN AND VERIFY WITH ARCHITECTURAL FLOOR PLANS
3. SLAB CONTROL AND CONSTRUCTION JOINTS ARE TO BE LAID OUT PER CONTRACTOR PLANNED SEQUENCE OF COMPLETION. (SEE SPECIFICATION)
4. SEE ARCHITECT FOR ALL BUILDINGS LAYOUT DIMENSIONS.

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REVISIONS

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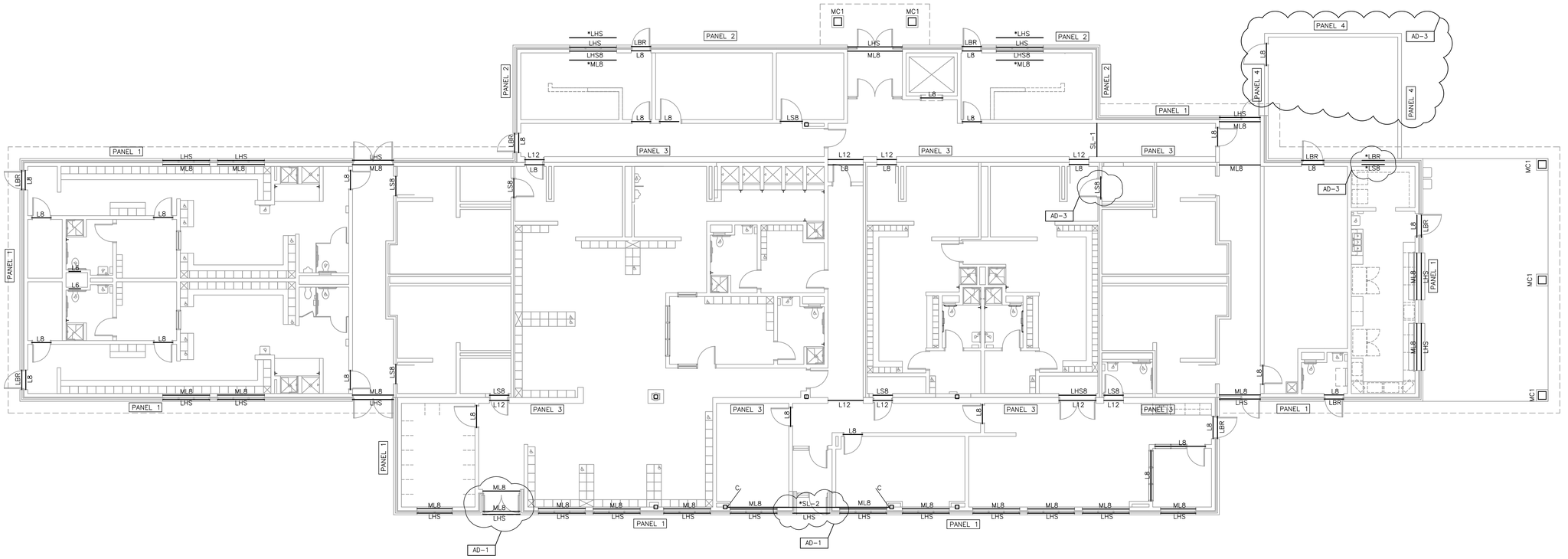
AD-3	10/27/23	ADDENDUM NO. 3

DRAWING
NORTH STAR BUILDING FOUNDATION PLAN

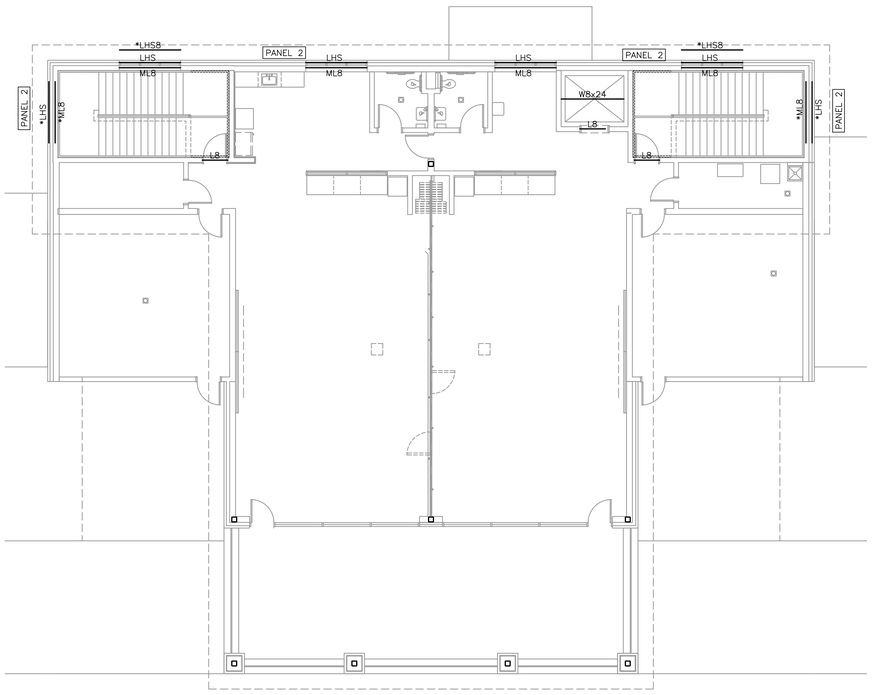
PROJECT
LOWELL HIGH SCHOOL - RENOVATIONS & NEW SPORTS COMPLEX

SHEET
SB-101-NS



NORTH STAR BUILDING - FIRST LEVEL MASONRY / LINTEL PLAN

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



NORTH STAR BUILDING - SECOND LEVEL MASONRY / LINTEL PLAN

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

MASONRY PANEL REINFORCING/LINTEL PLAN NOTES

1. SEE DRAWING S-001 FOR NOTES, SCHEDULES AND TYPICAL DETAILS.
2. SEE DRAWING S-001 FOR MASONRY WALL LINTEL DETAILS.
3. SEE DRAWING S-001 FOR MASONRY AND STEEL LINTEL SCHEDULES.
4. VERIFY ALL LINTEL OPENINGS AND ELEVATIONS WITH ARCHITECTURAL PLAN.
5. SL-? INDICATES SPECIAL LINTEL REQUIRED. SEE DRAWING S-001 FOR SPECIAL LINTEL SCHEDULE.
6. PANEL ? INDICATES MASONRY WALL PANEL. SEE DRAWING S-001 FOR MASONRY PANEL SCHEDULE AND REINFORCEMENT REQUIREMENTS.
7. FOR MULTI-SPAN CONTINUOUS LINTELS MAINTAIN 16" MINIMUM CMU BETWEEN OPENINGS UNLESS OTHERWISE NOTED.
8. * INDICATES LINTEL REQUIRED FOR MECHANICAL OPENING. COORDINATE SIZE AND LOCATION WITH DIVISION 15.

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AD-1	10/10/23	ADDENDUM NO. 1
AD-3	10/27/23	ADDENDUM NO. 3

DRAWING
NORTH STAR BUILDING FIRST AND SECOND FLOOR MASONRY / LINTEL PLANS

PROJECT
LOWELL HIGH SCHOOL - RENOVATIONS & NEW SPORTS COMPLEX

SHEET
SL-101-NS

Thursday, 10/26/2023 - 11:30 AM - LAST SAVED BY:RMALONE
Y:\23-115 TRI-CREEK SC - LOWELL HS NEW STADIUM\23-115 DRAWINGS\04 STRC\S101.DWG

PANEL MARK	CMU THICKNESS (BASK.-UP)	VERTICAL REINFORCING SIZE	VERTICAL REINFORCING SPA.	TOP OF BOND BEAM ELEVATIONS	REMARKS	DETAIL
PANEL 1	8"	#5	40"	110'-0"	INSP	3/A-410
						AD-3

NOTE:
1. (INSP) = MASONRY INSPECTION REQUIRED (SEE SPECIFICATIONS.
2. FOR HORIZONTAL JOINT REINFORCING SIZE AND SPACING SEE SPECIFICATIONS.
3. REINFORCING SCHEDULED HERE IN APPLIES TO THAT PORTION OF THE WALL ABOVE THE FOUNDATION WALL. SEE FOUNDATION PLANS FOR FOUNDATION WALL REINFORCING.
4. ALL REINFORCED MASONRY WALLS TO HAVE BOND BEAM AT OR NEAR TOP OF WALL. (HORZ BAR SIZE; 8" CMU: 2-#6, 10" CMU: 2-#6)

MASONRY WALL PANEL SCHEDULE

SLAB SCHEDULE

MARK	DEPTH	REINFORCEMENT	REMARKS
A	4"	WWF 6x6 W2.1xW2.1	6" DRAINAGE FILL

NOTE:
1. VAPOR BARRIER TO BE PROVIDED DIRECTLY UNDER SLAB AND MAY BE OMITTED FOR EXTERIOR SLABS. (15 MIL)
2. SEE SPECIFICATION 03001 FOR FIBER-ADDITIVE REQUIREMENTS.
3. SEE DETAIL FOR CLARIFICATION.

PAD SCHEDULE

NOTE: ALL PADS ARE DESIGNED FOR 2500 PSF SOIL BEARING.

MARK	WIDTH	DEPTH	LENGTH	REINFORCEMENT (1/2 EACH WAY)
P4	4'-0"	1'-0"	4'-0"	10 - #5
P5	5'-0"	1'-2"	5'-0"	12 - #5
P6	6'-0"	1'-6"	6'-0"	14 - #5

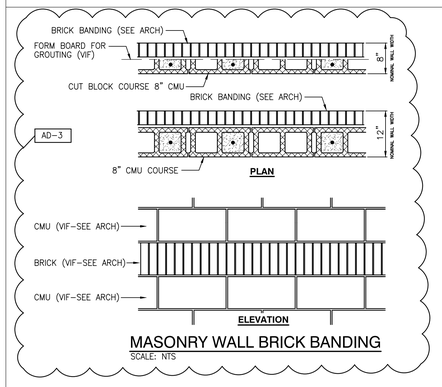
FOOTING SCHEDULE

MARK	WIDTH	DEPTH	REINFORCEMENT
F24	24"	12"	3-#5 LONGITUDINAL #5 AT 24" O.C. TRANSVERSE

NOTE:
ALL WALL FOOTINGS ARE DESIGNED FOR 2000 PSF SOIL BEARING

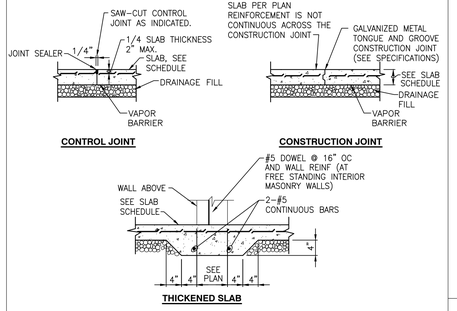
PIER SCHEDULE

MARK & SIZE	REINFORCING	
	VERTICAL	TIES
PR20- 20"x20"	4 - #6	#3 @ 12"
PR32- 32"x32"	8 - #6	#3 @ 12"



MASONRY WALL BRICK BANDING

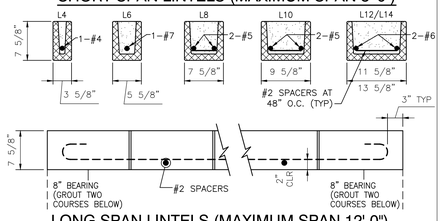
SCALE: NTS



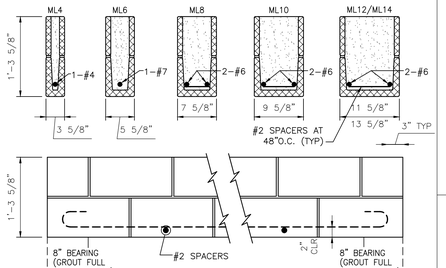
TYPICAL SLAB ON GRADE

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

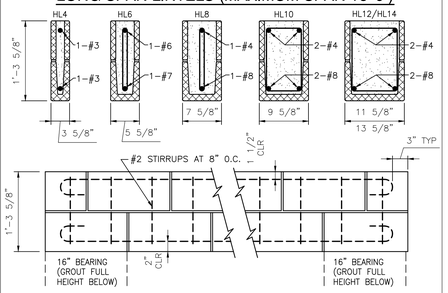
SHORT SPAN LINTELS (MAXIMUM SPAN 8'-0")



LONG SPAN LINTELS (MAXIMUM SPAN 12'-0")



LONG SPAN LINTELS (MAXIMUM SPAN 16'-0")

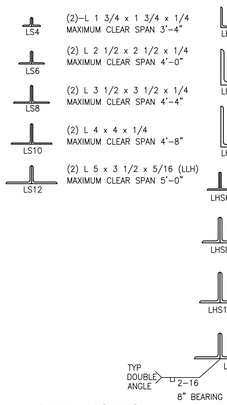


CMU LINTEL NOTES

1. FILL 4" AND 6" MASONRY UNITS WITH FINE GROUT AND ALL OTHERS. WITH COARSE GROUT. REFER TO SPECIFICATIONS SECTION DETAILS.
2. ALL REINFORCING BARS ARE HOOKED AT THE ENDS.
3. FOR TYPE OF CMU AND TYPE OF BOND REFERENCE SPECIFICATION SECTION 04200.
4. LINTELS SHALL BEAR ON SOLID CMU OR BEAR ON 2 FILLED COURSED, UON.
5. MAXIMUM SPANS DO NOT APPLY TO LOAD BEARING WALLS.
6. BOND PATTERN OF LINTEL TO MATCH ADJACENT WALL.
7. BOTTOM OF LINTEL SHALL BE SMOOTH MASONRY WITH NO CORES EXPOSED.
8. 14" LINTELS MAY BE MADE UP OF TWO PIECES OF 8" BOND BEAM UNITS IF 14" BOND BEAM UNITS ARE NOT AVAILABLE. (JOINT TO BE AT CENTER OF WALL)
9. FURNISH AND INSTALL ALL LINTELS REQUIRED FOR ALL OPENING IN MASONRY, INCLUDING MECHANICAL AND ELECTRICAL WORK, WHETHER SPECIFICALLY NOTED ON DRAWINGS OR NOT.

CMU LINTEL SCHEDULE

SCALE: NTS



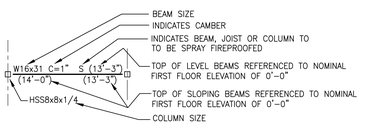
LINTEL NOTES

1. LINTELS SHALL BEAR ON SOLID MASONRY OR ON TWO CMU COURSES FULLY GROUTED, UON.
2. FURNISH AND INSTALL ALL LOOSE LINTELS REQUIRED FOR ALL OPENINGS IN MASONRY, INCLUDING MECHANICAL AND ELECTRICAL WORK, WHETHER SPECIFICALLY NOTED ON DRAWINGS OR NOT.
3. ALL LINTELS AT EXTERIOR LOCATIONS OR OTHERWISE SUBJECT TO WEATHER OR CORROSIVE ATMOSPHERE SHALL BE GALVANIZED.

STEEL LINTEL SCHEDULE

STRUCTURAL LEGEND

#	SEE PLAN NOTES
	CONCRETE
	INDICATES THICKEN SLAB UNDER WALL SEE DETAIL ON S-001 AND COORDINATE WITH ARCH PLANS.
P4[99'-0"]	CONCRETE PAD AND TOP OF PAD ELEVATION BELOW NOMINAL FIRST FLOOR ELEVATION.
LBR, ML8, SL-1	INDICATES STEEL, MASONRY OR SPECIAL LINTEL. SEE STEEL LINTEL SCHEDULE , CMU LINTEL SCHEDULE OR SPECIAL LINTEL SCHEDULE ON THIS DRAWING.
RD, RDE RO, ROE AND FO	ROOF OR FLOOR OPENING. SEE GENERAL STRUCTURAL STEEL NOTES FOR FRAME INFORMATION. VERIFY LOCATION WITH CONTRACTOR REQUIRING OPENING. WHERE OPENING SIZE IS NOT GIVEN, COORDINATE WITH CONTRACTOR REQUIRING OPENING FOR EXACT SIZE.
1 / S-001	SECTION, DETAIL, OR ELEVATION
A	INDICATES CONCRETE SLAB. SEE SLAB SCHEDULE.
BP1	INDICATES MASONRY WALL BEARING PLATE SIZE (SEE S-001 FOR BEARING PLATE SCHEDULE)
PANEL 2	INDICATES MASONRY REINFORCED WALL PANEL. SEE MASONRY PANEL SCHEDULE.



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MEZZ/ STORAGE
150

   FLOOR LOADS: LL (PSF) GENERAL 40
   ROOF LOADS: LL (PSF) GENERAL 20
3. SNOW LOAD INFORMATION: (AD-3: 25 PSF + DRIFT)
   GROUND SNOW LOAD (Pg) - 25 PSF
   SNOW EXPOSURE FACTOR (Ce) - 0.9
   SNOW LOAD IMPORTANCE FACTOR (Is) - 1.1
   THERMAL FACTOR (Ct) - 1.0
   FLAT ROOF SNOW LOAD (Pf) - 28 PSF
4. WIND LOAD INFORMATION:
   BASIC WIND SPEED; V ult - 120 MPH
   WIND IMPORTANCE FACTOR - 1.15
   BUILDING CATEGORY - III
   WIND EXPOSURE - C
   INTERNAL PRESSURE COEFFICIENT (GCpi) - ±0.18
5. SEISMIC DESIGN DATA:
   SEISMIC USE GROUP - II
   SPECTRAL RESPONSE COEFFICIENTS
   Sds - 0.14
   Sd1 - 0.10
   SITE CLASS - D
   BASIC SEISMIC-FORCE-RESISTING SYSTEM - 2P
   DESIGN BASE SHEAR (V) - 0.043W
   ANALYSIS PROCEDURE - EQUIVALENT LATERAL FORCE

GENERAL FOUNDATION/CONCRETE NOTES

1. ALL CONCRETE SHALL BE STONE/GRAVEL AGGREGATE CONCRETE HAVING A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS AS NOTED IN THE SPECIFICATIONS.
2. ALL REINFORCING STEEL SHALL CONFORM, TO ASTM A615, GRADE 60 UNLESS NOTED OTHERWISE.
3. ALL FOOTINGS AND PADS ARE DESIGNED TO BEAR ON UNDISTURBED SOIL WITH AN ALLOWABLE BEARING CAPACITY OF 2000 PSF.

GENERAL STRUCTURAL STEEL NOTES

1. ALL STRUCTURAL STEEL SHALL CONFORM TO THE STANDARD SPECIFICATION FOR STRUCTURAL STEEL, ASTM A992, UNLESS NOTED OTHERWISE.
2. ALL JOIST ANCHORS, BEAM BEARING PLATES, LINTELS, METAL DECK ANCHORS, AND NEEDLE BEAMS ARE TO BE FURNISHED BY THE STRUCTURAL METALS CONTRACTOR AND INSTALLED BY THE MASONRY CONTRACTOR.
3. PROVIDE CURB ANGLES 3x3x1/4 TO SUPPORT ROOF DECK AT OPENINGS, UNLESS NOTED OTHERWISE.
4. STRUCTURAL STEEL FABRICATOR SHALL PROVIDE STEEL FILLERS ON BEAM FLANGES WHERE REQUIRED FOR THE BEARING OF METAL DECK.
5. STRUCTURAL STEEL FABRICATOR SHALL PROVIDE SUPPORTS FOR METAL DECK AT PERIMETER COLUMNS, BUILDING CORNERS AND ALL OTHER LOCATIONS AS REQUIRED FOR COMPLETE INSTALLATION OF DECK.

GENERAL STEEL DECK NOTES

1. METAL DECK MANUFACTURER SHALL PROVIDE 6" WIDE, 22 GAUGE COVER PLATES AT ALL DECK SPLICE LOCATIONS WHERE THE ROOF DECK HAS A CHANGE IN DIRECTION OR SLOPE.
2. METAL DECK MANUFACTURER SHALL PROVIDE RECESSED SUMP PANS TO ACCOMMODATE ROOF DRAINS IN ALL METAL ROOF DECKS.

GENERAL MASONRY NOTES

1. ALL CONCRETE MASONRY ASSEMBLAGES ARE DESIGNED FOR AN ULTIMATE COMPRESSIVE STRENGTH f'm = 1500 PSI.
2. ALL BEAMS AND LINTELS WHICH BEAR ON MASONRY SHALL BEAR A MINIMUM OF 8 INCHES ONTO MASONRY UNLESS OTHERWISE NOTED.
3. BLOCK WALLS SHALL BE LAID UP IN A RUNNING BOND PATTERN UNLESS OTHERWISE NOTED.
4. PROVIDE BRACING FOR ALL NON-LOAD BEARING BLOCK PARTITION WALLS PER ACI THE TYPICAL BRACING REQUIREMENTS. (AD-3)
5. ALL MASONRY WALLS ON FOUNDATIONS (INTERIOR AND EXTERIOR) SHALL BE REINFORCED WITH #5 AT 48" C TO C UNLESS OTHERWISE NOTED.

GENERAL WOOD NOTES

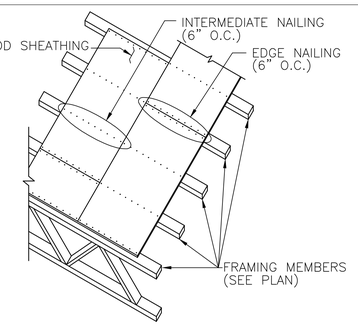
1. SAWN LUMBER SHALL COMPLY WITH THE LATEST EDITION OF THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION. ALL LUMBER SHALL BE STAMPED WITH THE GRADE MARK OF AN APPROVED LUMBER GRADING AGENCY. JOISTS, LEDGERS, BEAMS, ETC. SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES.

JOISTS	Fb (PSI)	Fv (PSI)	Fc (PSI)	E (PSI)
2x6 thru 2x12 (NO. 1)	1000	100	1400	1,300,000
STUDS:				
2x4 (NO. 2)	1250	100	1400	1,500,000
2x6 (NO. 2)	1000	100	1400	1,400,000
2x4 & 2x6 (NON-BRG ONLY)	675	100	725	1,200,000

2. PLYWOOD SHALL BE C-D INTERIOR SHEATHING WITH EXTERIOR GLUE AND SHALL BEAR THE STAMP OF AN APPROVED AGENCY. LAY UP PLYWOOD WITH FACE GRAIN PERPENDICULAR TO SUPPORTS AND STAGGER JOINTS. ALL NAILING, COMMON NAILS. ALL PLYWOOD SHALL BE OF THE FOLLOWING NOMINAL THICKNESS, SPAN/INDEX RATIO AND SHALL BE NAILED AS FOLLOWS (UON). SEE 12/S-302 AND 13/S-302 FOR ADDITIONAL INFORMATION.

USE	THICKNESS	SPAN/INDEX	EDGE NAILING	INTERMEDIATE NAILING
ROOF	5/8"	40/20	10d AT 4" O.C.	10d AT 12" O.C.
FLOOR	3/4" T&G	48/24	10d AT 6" O.C.	10d AT 12" O.C.
WALL	1/2"	32/16	10d AT 4" O.C.	10d AT 12" O.C.

3. AMERICAN PLYWOOD ASSOCIATION PERFORMANCE RATED SHEATHING MAY BE USED AS AN ALTERNATE TO PLYWOOD WITH PRIOR APPROVAL OF OWNER, ARCHITECT, AND ROOFING CONTRACTOR. RATED SHEATHING SHALL HAVE THE SAME THICKNESS, EQUAL OR BETTER SPAN/INDEX RATIO, AND BE ATTACHED THE SAME AS THE PLYWOOD IT REPLACES.



TYPICAL SHEATHING LAYOUT & ATTACHMENT

SCALE: NTS

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PROJECT
LOWELL HIGH SCHOOL - RENOVATIONS & NEW SPORTS COMPLEX
TRI-CREEK SCHOOL CORPORATION

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Indianapolis, IN 46260
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Phone 317.580.5777 Fax 317.580.5778

PROJECT 23-115
DATE 09/25/23
COORDINATED BY RM
DRAWN BY RM
CHECKED BY RM JPB

ROGER MALONE REGISTERED NO. PE 19800200 STATE OF INDIANA PROFESSIONAL ENGINEER

REVISIONS

MARK	DATE	ISSUED FOR
AD-3	10/27/23	ADDENDUM NO. 3

DRAWING
COMMUNITY BUILDING STRUCTURAL SECTIONS, DETAILS AND NOTES

PROJECT
LOWELL HIGH SCHOOL - RENOVATIONS & NEW SPORTS COMPLEX

SHEET
S-001-CB

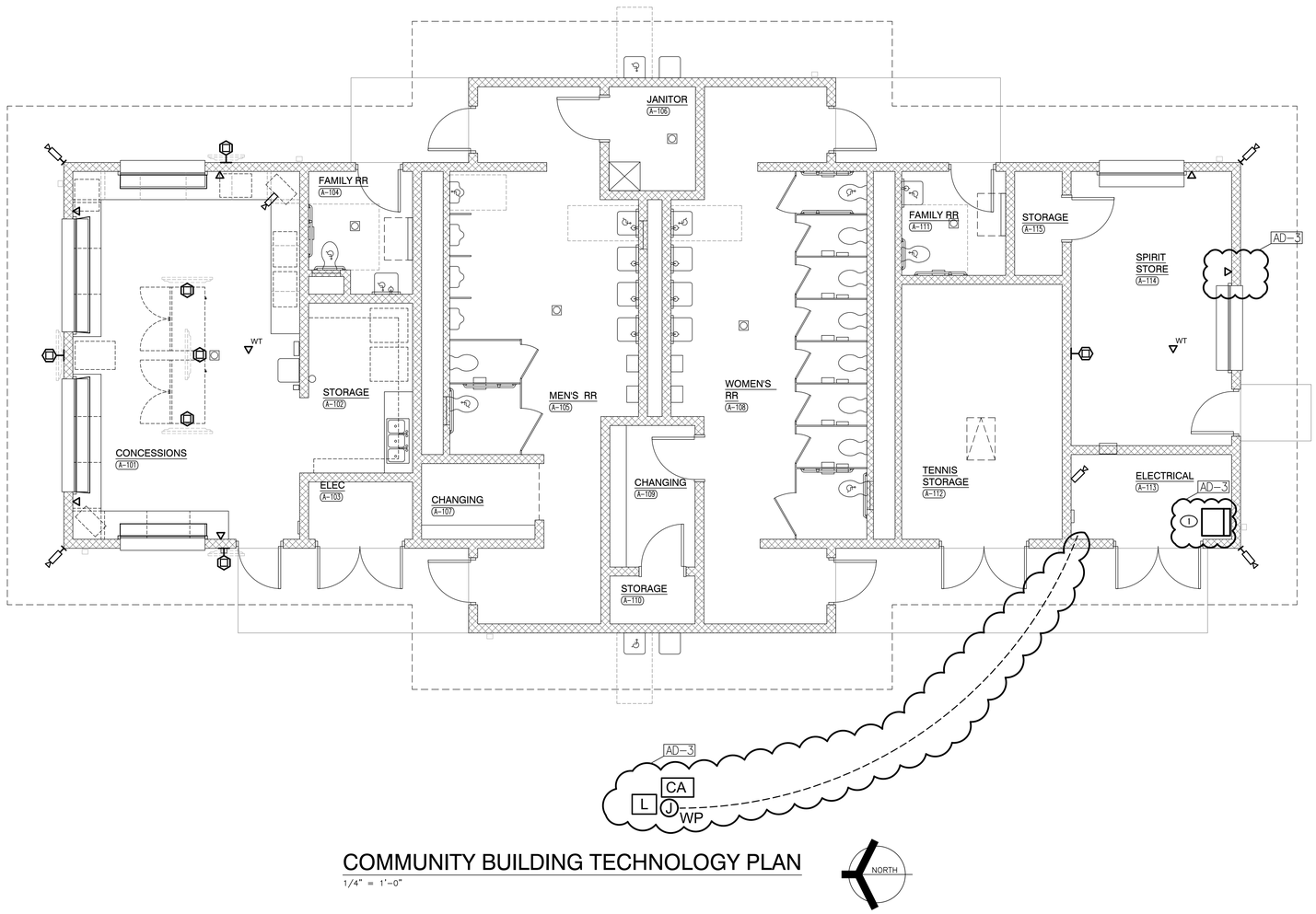
GENERAL NOTES

1. ALL NEW HORIZONTAL CABLES TO BE ROUTED TO TR-CB1

SHEET NOTES

1. NEW WALL MOUNTED TELECOM RACK TR-CB1. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. APPROXIMATE LOCATION OF NEW TURNSTILE ENTRY. PROVIDE NEW ACCESS CONTROL READER AND INTERFACE TO DOOR HARDWARE AS REQUIRED. ROUTE (1) 1"C. BELOW GRADE TO COMMUNITY BUILDING ELECTRICAL ROOM. COORDINATE EXACT REQUIREMENTS IN FIELD AND WITH TURSTILE MANUFACTURER PRIOR TO ROUGH-IN.

AD-3



COMMUNITY BUILDING TECHNOLOGY PLAN

1/4" = 1'-0"

NORTH

GIBRALTAR

DESIGN

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PROJECT

LOWELL HIGH SCHOOL - RENOVATIONS & NEW SPORTS COMPLEX

TRI-CREEK SCHOOL CORPORATION

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PROJECT 23-115
DATE 09/22/23
COORDINATED BY DJ
DRAWN BY JC,AG
CHECKED BY SM

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

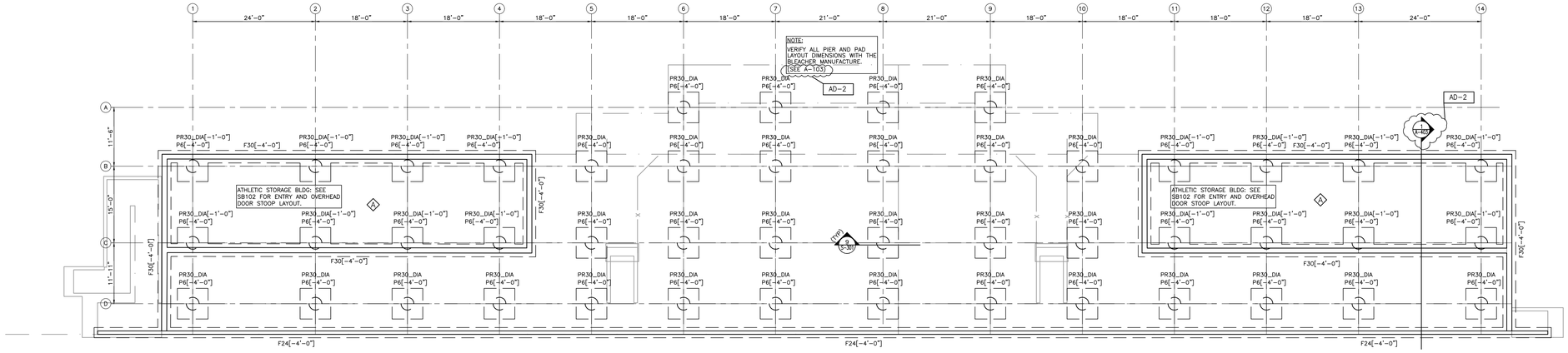
REVISIONS

MARK	DATE	ISSUED FOR
AD-3	10/27/23	ADDENDUM NO. 03

DRAWING
COMMUNITY BUILDING TECHNOLOGY PLAN

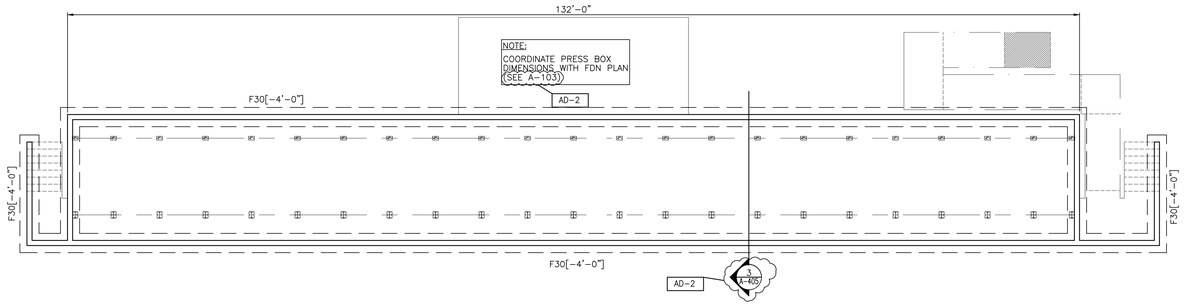
PROJECT
LOWELL HIGH SCHOOL - RENOVATIONS & NEW SPORTS COMPLEX

SHEET
T-101-CB



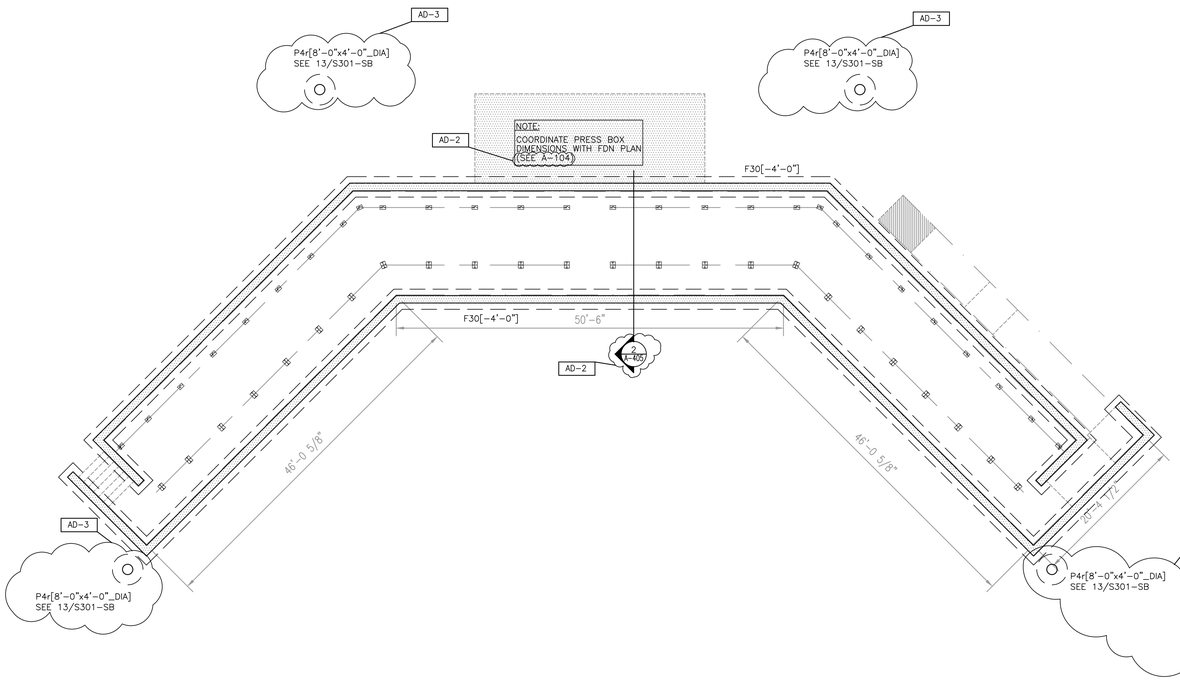
FOOTBALL GRANDSTAND & ATHLETIC STORAGE BUILDINGS FOUNDATION PLAN

SCALE: 1" = 10'



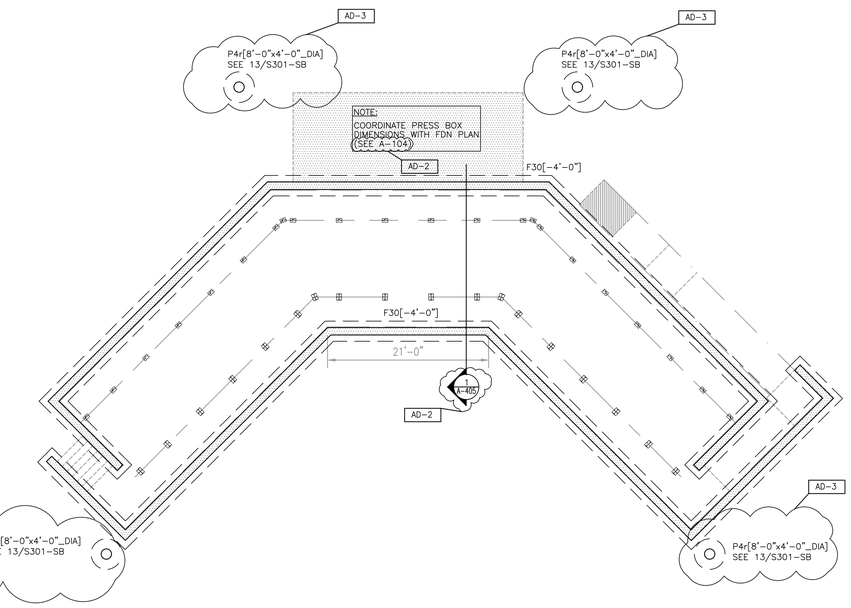
SOCCER GRANDSTAND FOUNDATION PLAN

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



BASEBALL GRANDSTAND FOUNDATION PLAN

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



SOFTBALL GRANDSTAND FOUNDATION PLAN

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

FOUNDATION/SLAB PLAN NOTES

1. SEE SHEET S-001 FOR GENERAL NOTES, STRUCTURAL LEGEND, SCHEDULES AND TYPICAL DETAILS.
2. ALL ELEVATIONS ARE REFERENCED FROM A FINISH FLOOR ELEVATION OF 100'-0" PER AREA, SEE PLANS AND VERIFY WITH ARCH PLANS FOR ALL DIMENSIONS.
3. SLAB CONTROL AND CONSTRUCTION JOINTS ARE TO BE LAID OUT PER CONTRACTOR PLANNED SEQUENCE OF COMPLETION. (SEE SPECIFICATION)
4. SEE S-301 FOR ADDITIONAL FOUNDATION NOTES AND DETAILS.

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PROJECT 23-115
DATE 09/25/23
COORDINATED BY RM
DRAWN BY RM
CHECKED BY RM JPB

ROGER MALONE REGISTERED NO. PE 19800200 STATE OF INDIANA PROFESSIONAL ENGINEER

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	10/20/23	ADDENDUM NO. 2
AD-3	10/27/23	ADDENDUM NO. 3

DRAWING
STRUCTURAL SLAB & FOUNDATIONS PLANS

PROJECT
LOWELL HIGH SCHOOL - RENOVATIONS & NEW SPORTS COMPLEX

SHEET
SB101-SB

Friday, 10/27/2023 - 9:35 AM - LAST SAVED BY:RMALONE
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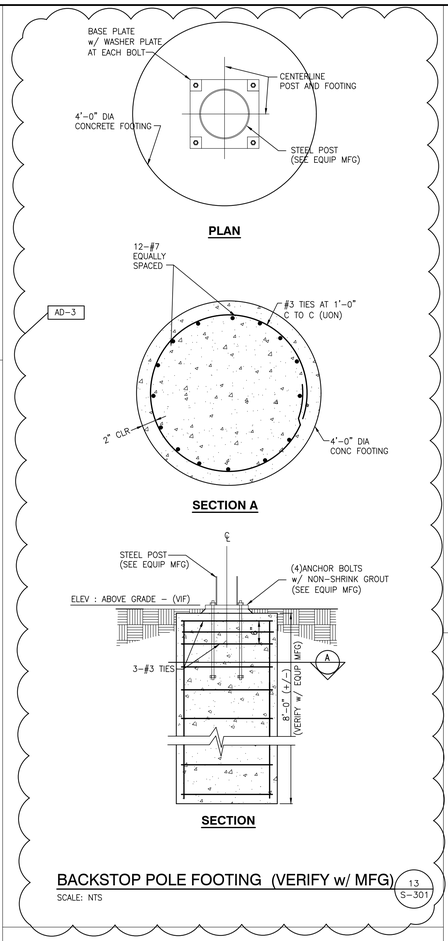
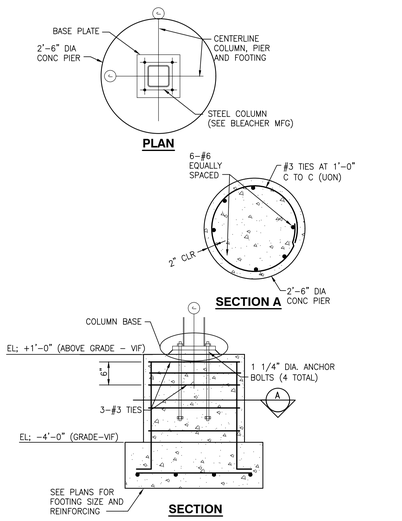


BACKSTOP POLE FOOTING (VERIFY w/ MFG)

SCALE: NTS

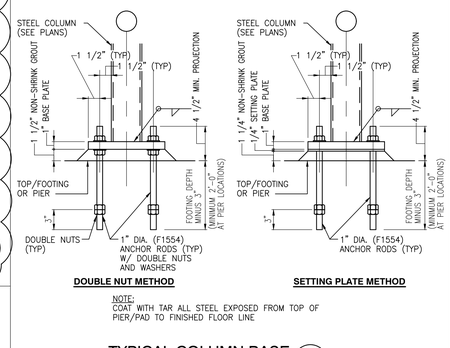
13 / S-301



BLEACHER PIER SECTION AND REINFORCEMENT

SCALE: NTS

9 / S-301

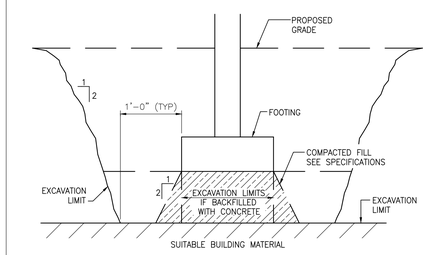


NOTE:
COAT WITH TAR ALL STEEL EXPOSED FROM TOP OF PIER/PAD TO FINISHED FLOOR LINE

TYPICAL COLUMN BASE

SCALE: NTS

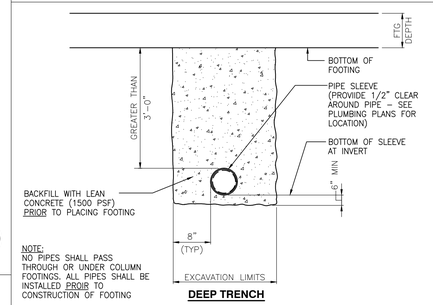
10 / S-301



TYPICAL UNDERCUTTING DETAIL

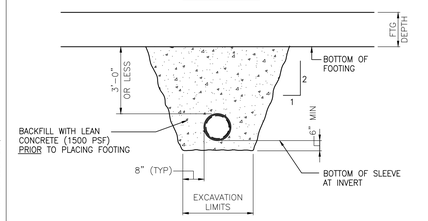
SCALE: 3/4" = 1'-0"

5 / S-301



NOTE:
NO PIPES SHALL PASS THROUGH OR UNDER COLUMN FOOTINGS. ALL PIPES SHALL BE INSTALLED PRIOR TO CONSTRUCTION OF FOOTING

DEEP TRENCH

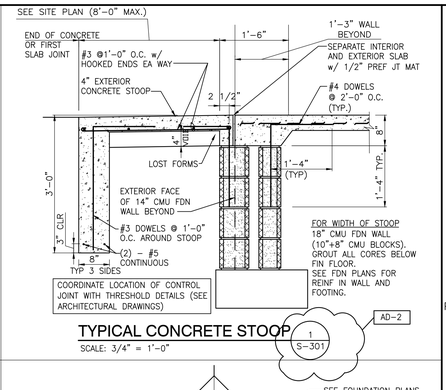


SHALLOW TRENCH

TYPICAL PIPE BACKFILL AT FOOTING

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

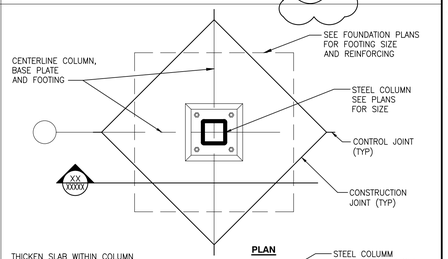
6 / S-301



TYPICAL CONCRETE STOOP

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

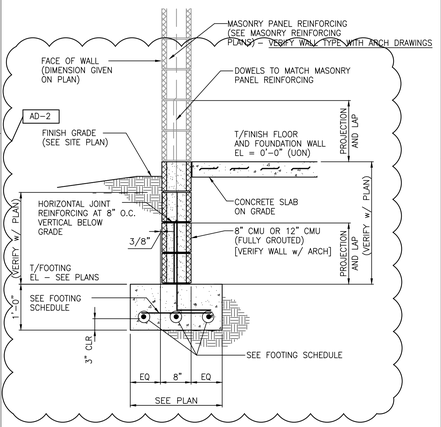
1 / S-301 — AD-2



TYPICAL ISOLATED FOOTING

SCALE: NTS

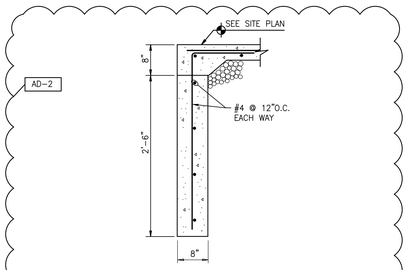
2 / S-301



FOUNDATION WALL

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

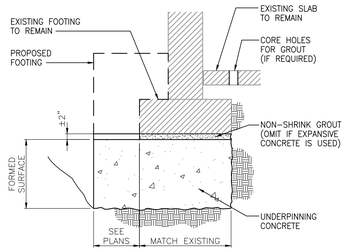
3 / S-301 — AD-2



CONCRETE RETAINING WALL

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

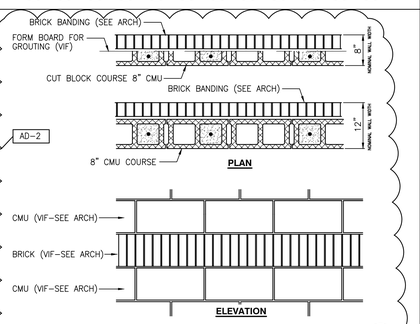
11 / S-301



FOUNDATION UNDERPINNING

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

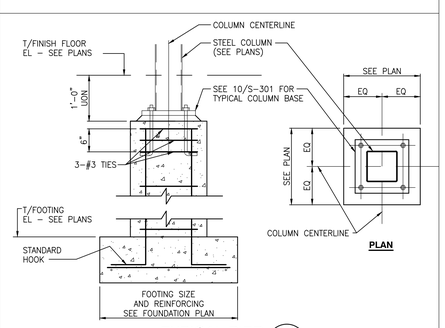
7 / S-301



MASONRY WALL BRICK BANDING

SCALE: NTS

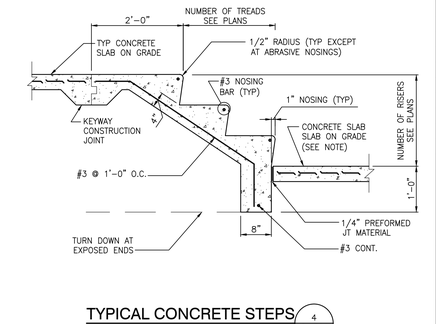
12 / S-301



TYPICAL PIER

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

8 / S-301



TYPICAL CONCRETE STEPS

SCALE: NTS

4 / S-301

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LOWELL HIGH SCHOOL - RENOVATIONS & NEW SPORTS COMPLEX

TRI-CREEK SCHOOL CORPORATION

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PROJECT 23-115
DATE 09/25/23
COORDINATED BY RM
DRAWN BY RM
CHECKED BY RM JPB

ROGER MALONE
REGISTERED
NO.
PE 19800200
STATE OF
INDIANA
PROFESSIONAL ENGINEER

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	10/20/23	ADDENDUM NO. 2
AD-3	10/27/23	ADDENDUM NO. 3

DRAWING
SITE BUILDINGS
STRUCTURAL SECTIONS AND DETAILS

PROJECT
LOWELL HIGH SCHOOL - RENOVATIONS & NEW SPORTS COMPLEX

SHEET

S-301-SB

Thursday, 10/26/2023 - 9:20 AM - LAST SAVED BY:RMALONE
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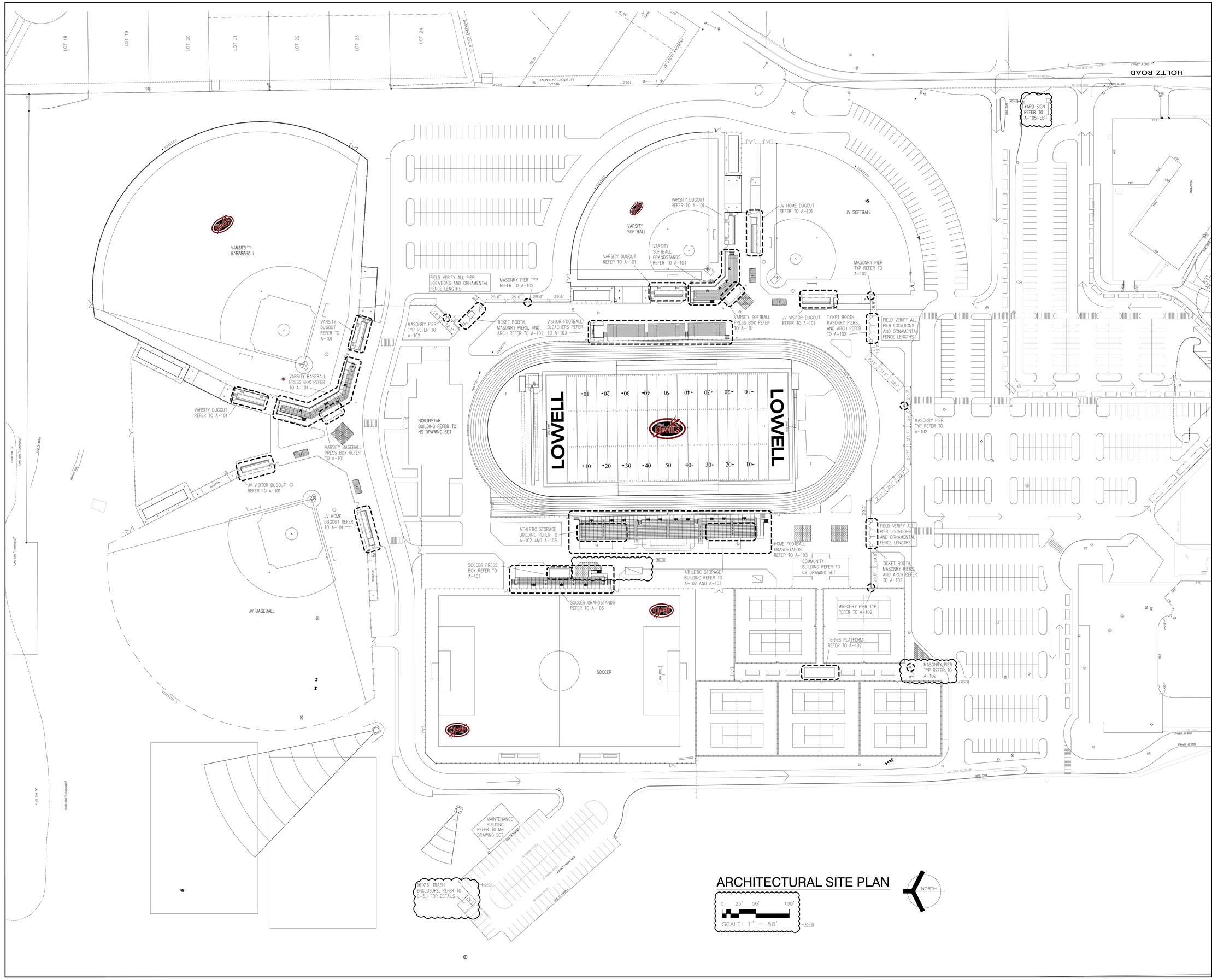

ARCHITECTURAL SITE PLAN

SCALE: 1" = 50'

GIBRALTAR
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PROJECT

LOWELL HIGH SCHOOL - RENOVATIONS & NEW SPORTS COMPLEX

TRI-CREEK SCHOOL CORPORATION

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PROJECT
23-115
DATE
09/25/23
COORDINATED BY
DTB JPB
DRAWN BY
DTB
CHECKED BY
DTB JPB

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

Joseph P. Briggs

REVISIONS

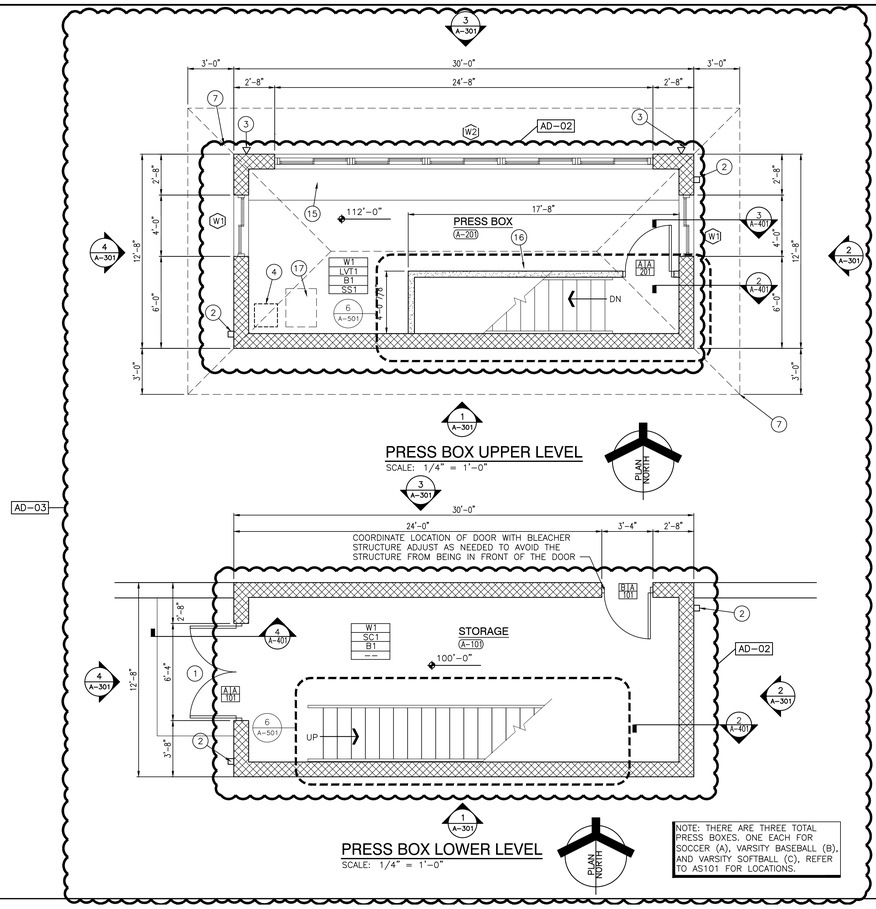
MARK	DATE	ISSUED FOR
AD-2	10/20/23	ADDENDUM NO. 2
AD-3	10/27/23	ADDENDUM NO. 3

DRAWING
SITE BUILDINGS - ARCHITECTURAL SITE PLAN

PROJECT
LOWELL HIGH SCHOOL - RENOVATIONS & NEW SPORTS COMPLEX

SHEET
AS-101-SB

Friday, 10/27/2023 - 10:53 AM - LAST SAVED BY:DBURNS
Y:\23-112 TRI-CREEK SC - LOWELL HS SITE
IMPROVEMENTS\2X-XXX DRAWINGS\03 SITE\AS101-SB.DWG



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.

AD-03

E. THE BASE FIRST FLOOR ELEVATION INDICATED FOR THE PROJECT IS 100'-0". REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM. NOTE: FINAL FLOOR ELEVATION IS TO BE .05' ABOVE EXTERIOR GRADE.

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:

(--) 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, CONNECT INTO STORM SEWER.
3. SPEAKERS, REFER TO TECHNOLOGY DRAWINGS.
4. SOUND SYSTEM, REFER TO TECHNOLOGY DRAWINGS.
5. METAL GUARDRAIL/HANDRAIL.
6. METAL STAIR.
7. LINE OF ROOF ABOVE.
8. STEEL COLUMN REFER TO STRUCTURAL.
9. PLAYERS BENCH.
10. 2' TALL BLACK VINYL COATED CHAIN LINK FENCE, REFER TO CIVIL.
11. 4' TALL BLACK VINYL COATED CHAIN LINK FENCE, REFER TO CIVIL.
12. CONCRETE STAIR REFER TO STRUCTURAL.
13. METAL HANDRAIL.
14. 4' GATE.
15. 24" DEEP SOLID SURFACE COUNTER WITH METAL SUPPORTS.
16. 3 5/8" METAL STUD WALL WITH 5/8" GYPSUM BOARD ON BOTH SIDES.
17. 24"X30" ATTIC ACCESS. (11 / A-501)

ROOM FINISHES:

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

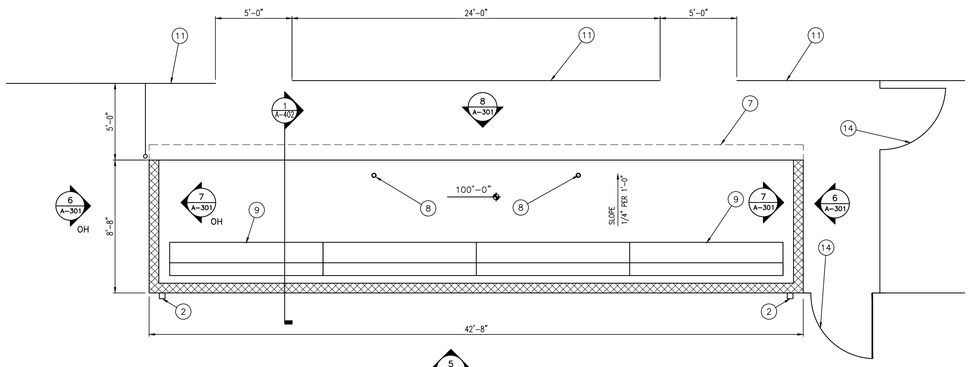
P1 (PAINT), SHERWIN WILLIAMS, CEILING BRIGHT WHITE 7007.

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

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

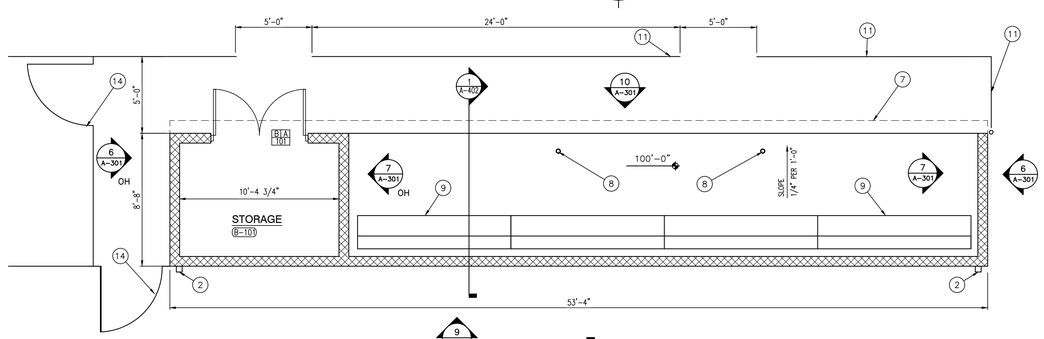
VB1 (VINYL BASE), TARKETT/JOHNSONITE, TRADITIONAL VINYL, 4" COVE, CHARCOAL #20.

SS1 (SOLID SURFACE), CORIAN, NEUTRAL AGGREGATE.



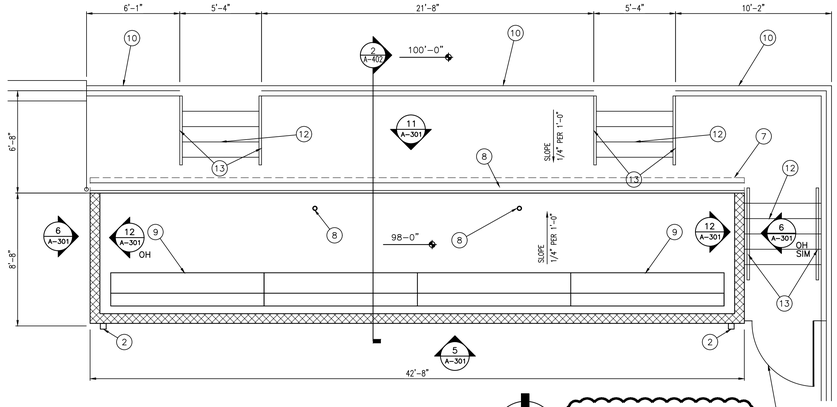
JV VISITOR DUGOUT PLAN
SCALE: 1/4" = 1'-0"

NOTE: TWO TOTAL DUGOUTS. ONE AT JV BASEBALL AND ONE AT JV SOFTBALL. REFER TO AS101 FOR LOCATIONS



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

NOTE: TWO TOTAL DUGOUTS. ONE AT JV BASEBALL (A) AND ONE AT JV SOFTBALL (B). REFER TO AS101 FOR LOCATIONS



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

NOTE: FOUR TOTAL DUGOUTS. TWO AT VARSITY BASEBALL AND TWO AT VARSITY SOFTBALL. DUGOUTS ON 3RD BASELINE ARE TO BE OPPOSITE HAND, REFER TO AS101 FOR LOCATIONS

AD-03

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

LOWELL HIGH SCHOOL - RENOVATIONS & NEW SPORTS COMPLEX

TRI-CREEK SCHOOL CORPORATION

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 23-115
DATE 09/25/23
COORDINATED BY DTB JPB
DRAWN BY DTB
CHECKED BY DTB JPB

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

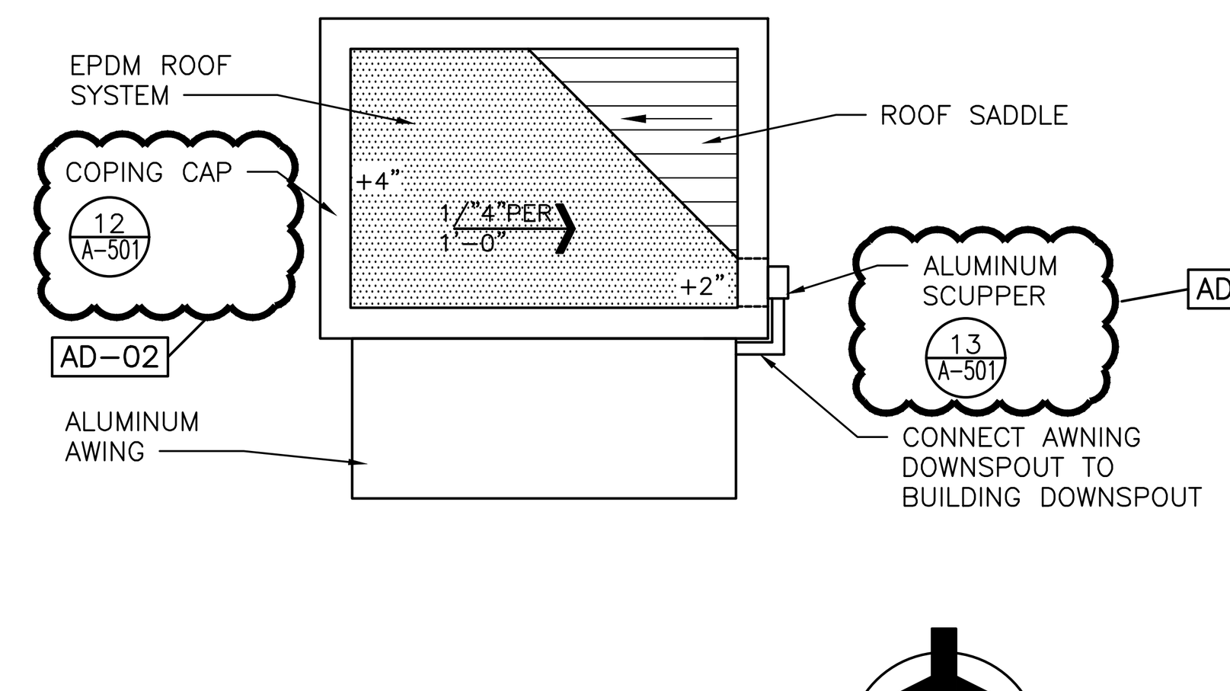
REVISIONS

MARK	DATE	ISSUED FOR
AD-2	10/20/23	ADDENDUM NO. 2
AD-3	10/27/23	ADDENDUM NO. 3

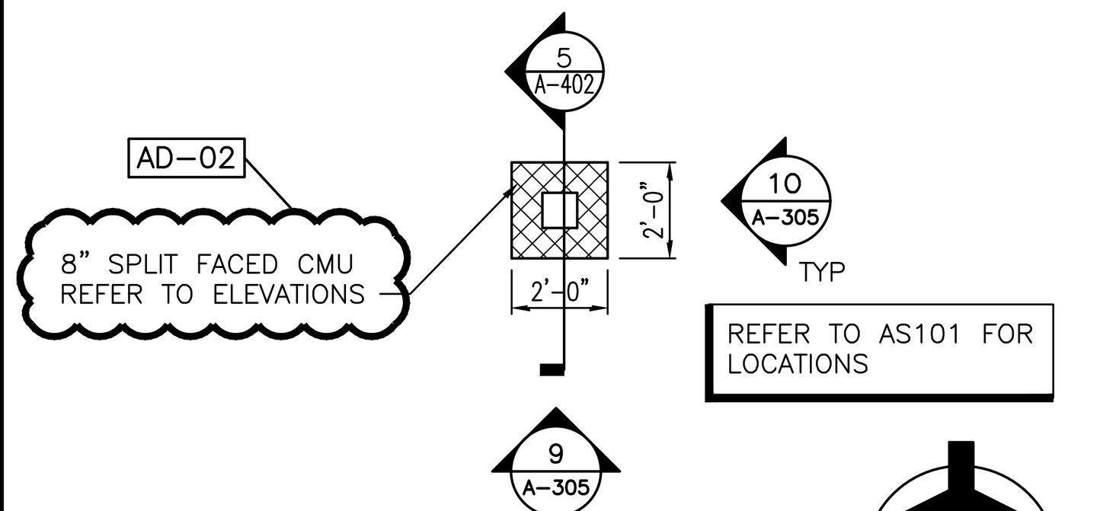
DRAWING
SITE BUILDINGS - MASONRY PRESS BOX AND DUGOUT PLANS

PROJECT
LOWELL HIGH SCHOOL - RENOVATIONS & NEW SPORTS COMPLEX

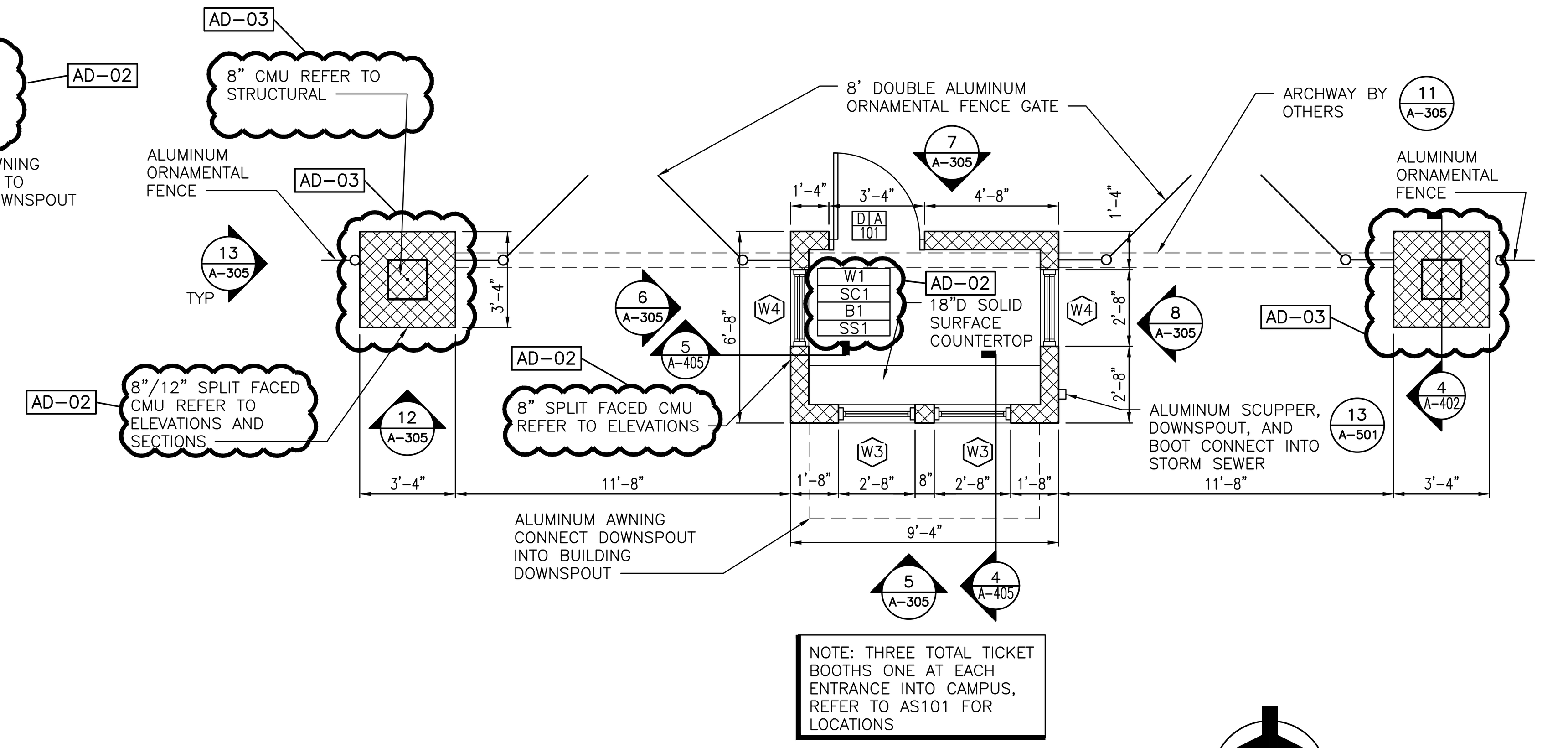
SHEET
A-101-SB



TICKET BOOTH ROOF PLAN
SCALE: 1/4" = 1'-0"



TYP MASONRY PIER
SCALE: 1/4" = 1'-0"



TYP TICKET BOOTH AND ENTRY
SCALE: 1/4" = 1'-0"

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.

AD-03

E. THE BASE FIRST FLOOR ELEVATION INDICATED FOR THE PROJECT IS 100'-0". REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM. NOTE: FINAL FLOOR ELEVATION IS TO BE .05' ABOVE EXTERIOR GRADE.

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:

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

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

ROOM FINISHES:

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

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

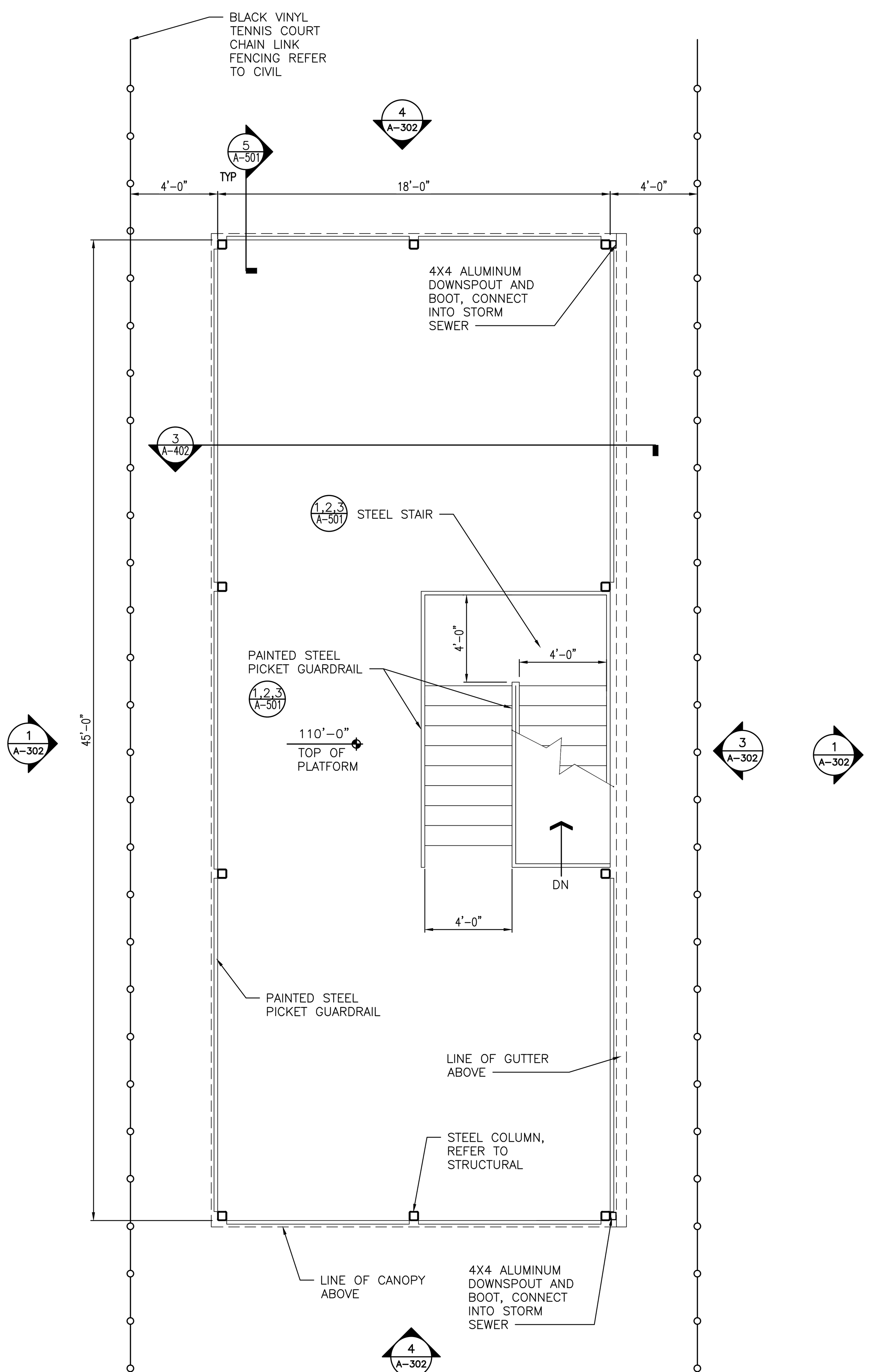
SC1 (SEALED CONCRETE), REFER TO CONCRETE SPECIFICATIONS FOR SEALER AND FINISH.

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

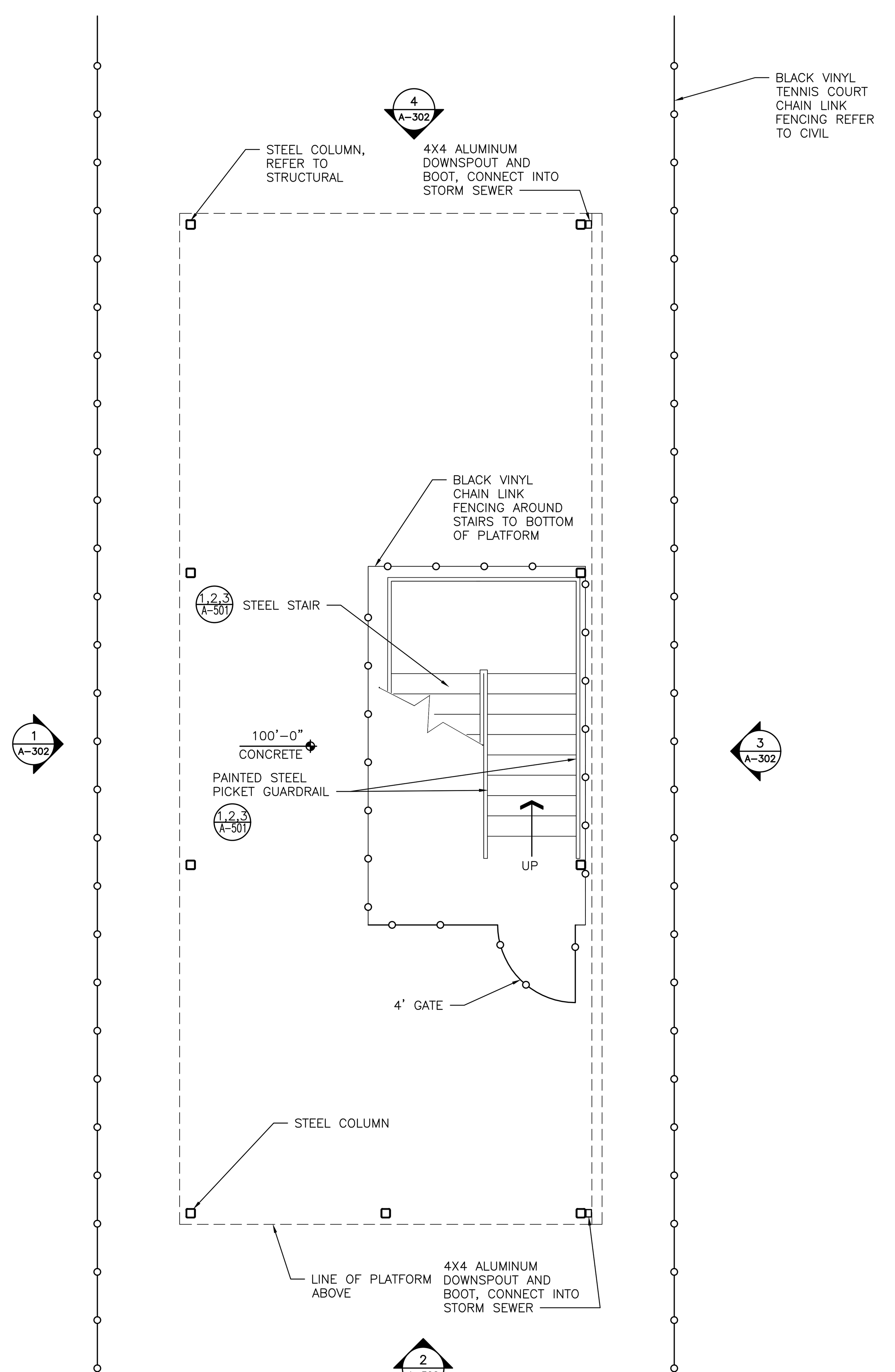
VB1 (VINYL BASE), TARKETT/JOHNSONITE, TRADITIONAL VINYL, 4" COVE, CHARCOAL #20.

SS1 (SOLID SURFACE), CORIAN, NEUTRAL AGGREGATE.

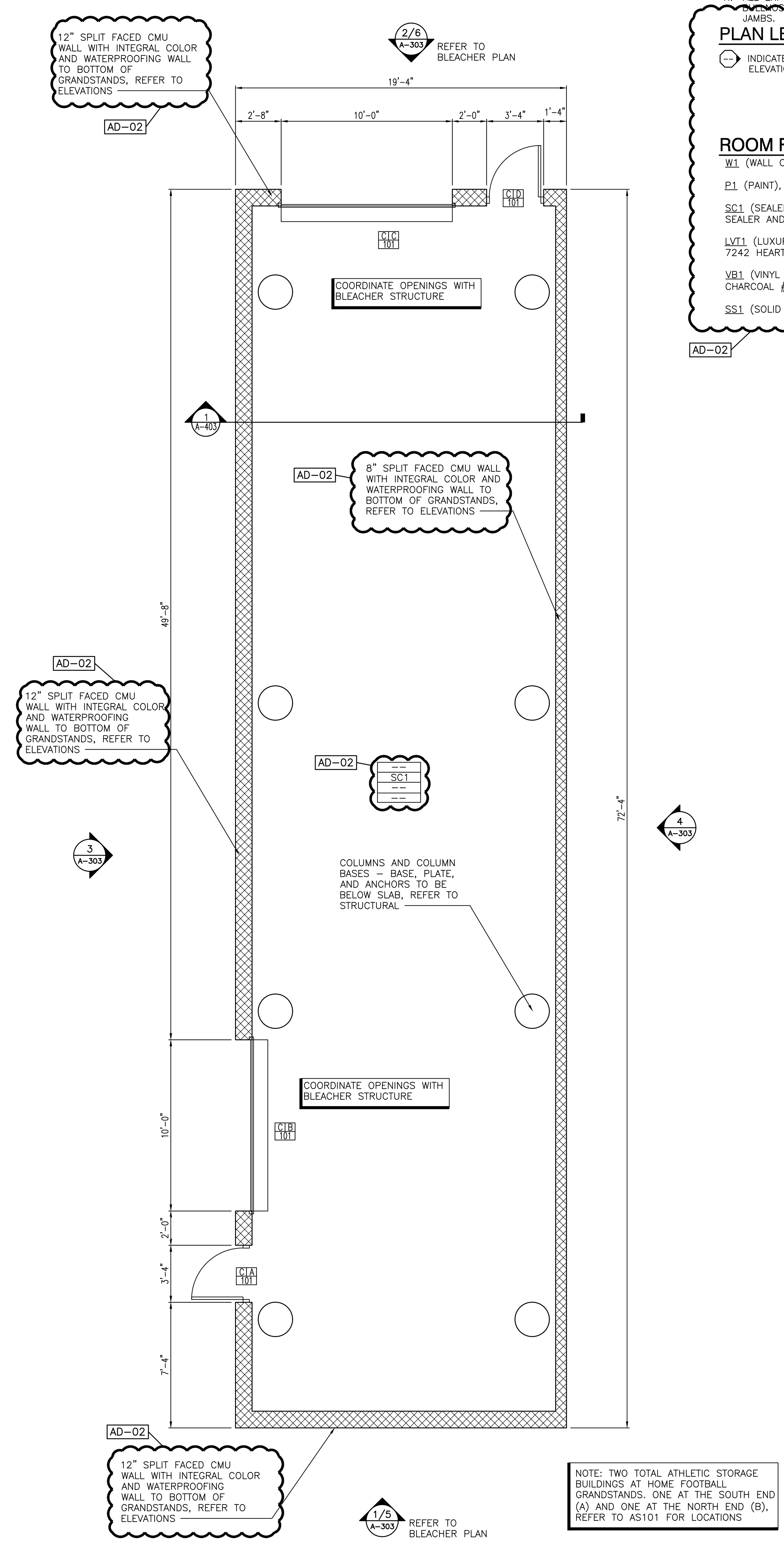
AD-02



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



TENNIS PLATFORM GROUND LEVEL PLAN
SCALE: 1/4" = 1'-0"



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

GIBRALTAR DESIGN
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PROJECT
LOWELL HIGH SCHOOL - RENOVATIONS & NEW SPORTS COMPLEX
TRI-CREEK SCHOOL CORPORATION

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PROJECT 23-115
DATE 09/25/23
COORDINATED BY DTB JPB
DRAWN BY DTB
CHECKED BY DTB JPB

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

REVISIONS

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AD-2	10/20/23	ADDENDUM NO. 2
AD-3	10/27/23	ADDENDUM NO. 3

DRAWING
SITE BUILDINGS - ATHLETIC STORAGE BUILDINGS, TENNIS PLATFORM, AND TICKET BOOTH PLANS

PROJECT
LOWELL HIGH SCHOOL - RENOVATIONS & NEW SPORTS COMPLEX

SHEET
A-102-SB

Friday, 10/27/2023 – 9:23 AM – LAST SAVED BY:DBURNS
Y:\23-112 TRI-CREEK SC - LOWELL HS SITE IMPROVEMENTS\2X-XX DRAWINGS\05 ARCH\A-102-SB.DWG

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.

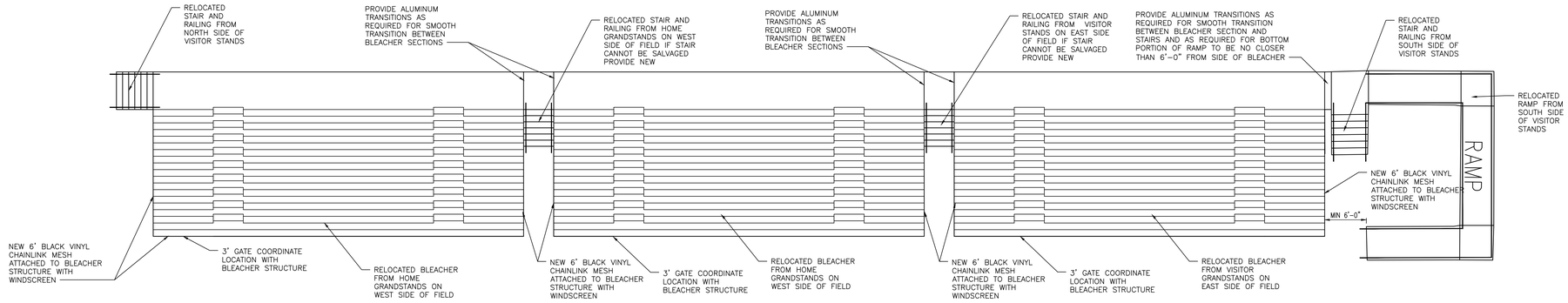
AD-03

E. THE BASE FIRST FLOOR ELEVATION INDICATED FOR THE PROJECT IS 100'-0". REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM. NOTE: FINAL FLOOR ELEVATION IS TO BE .05' ABOVE EXTERIOR GRADE.

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.

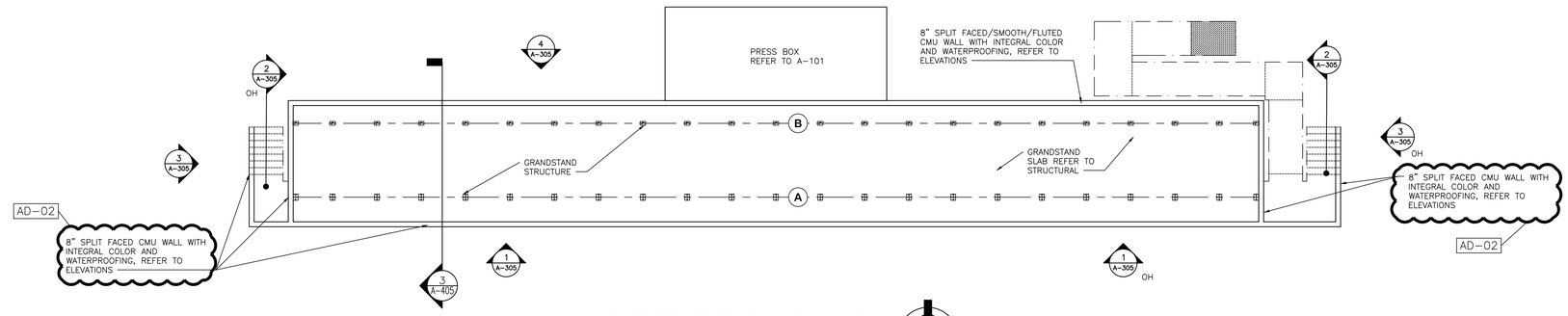


VISITOR FOOTBALL GRANDSTAND LAYOUT

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

PLAN NORTH

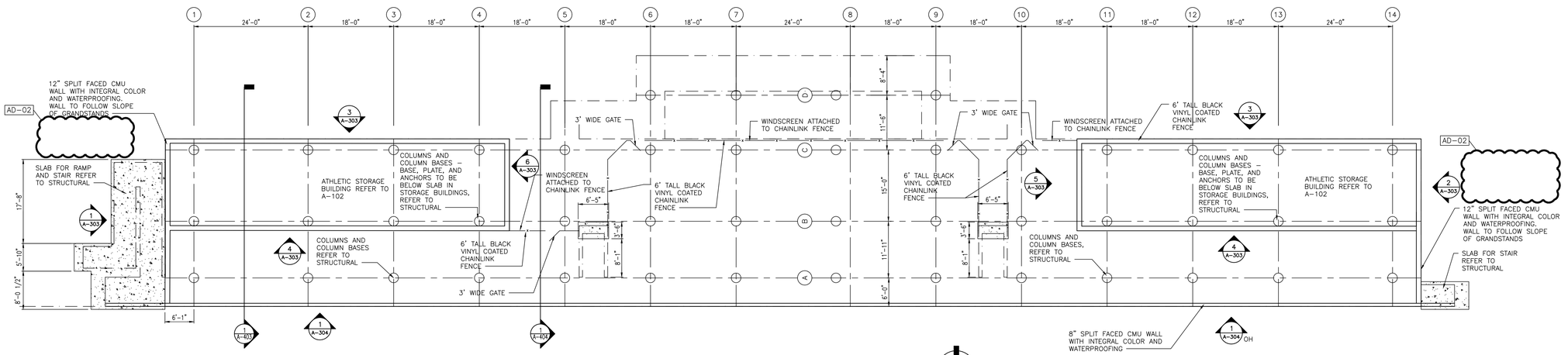
NOTE: ALL EXISTING GALVANISED CHAINLINK MESH ON BLEACHERS, RAMPS, STAIRS, ETC. TO BE REMOVED AND REPLACED WITH NEW BLACK VINYL CHAINLINK MESH, ALL POSTS AND RAILS TO BE PAINTED BLACK TO MATCH



SOCCER GRANDSTAND SLAB LAYOUT

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

PLAN NORTH



FOOTBALL GRANDSTANDS GROUND LEVEL PLAN

SCALE: 1" = 10'

PLAN NORTH

GIBRALTAR DESIGN
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Phone 317.580.5777 Fax 317.580.5778

PROJECT
LOWELL HIGH SCHOOL - RENOVATIONS & NEW SPORTS COMPLEX
TRI-CREEK SCHOOL CORPORATION

PROJECT 23-115
DATE 09/25/23
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	10/20/23	ADDENDUM NO. 2
AD-3	10/27/23	ADDENDUM NO. 3

DRAWING
SITE BUILDINGS - FOOTBALL AND SOCCER GRANDSTAND PLANS

PROJECT
LOWELL HIGH SCHOOL - RENOVATIONS & NEW SPORTS COMPLEX

SHEET
A-103-SB

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.

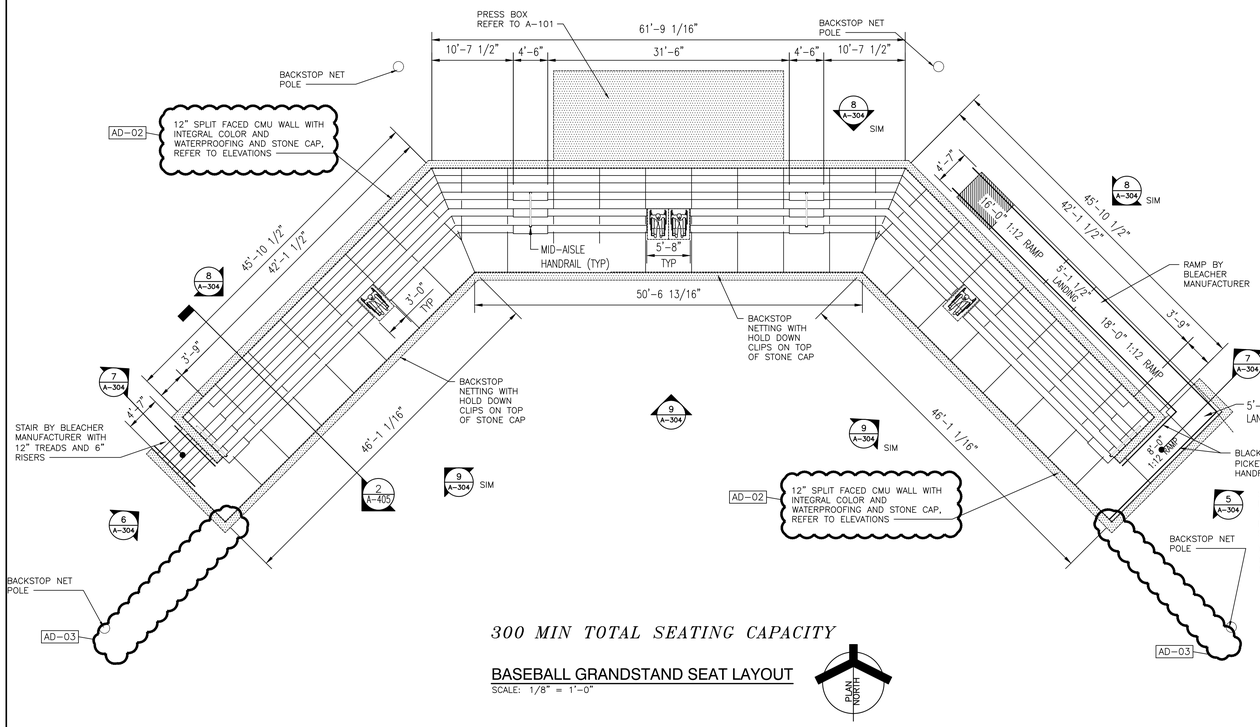
AD-03

E. THE BASE FIRST FLOOR ELEVATION INDICATED FOR THE PROJECT IS 100'-0". REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM. NOTE: FINAL FLOOR ELEVATION IS TO BE .05' ABOVE EXTERIOR GRADE.

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.

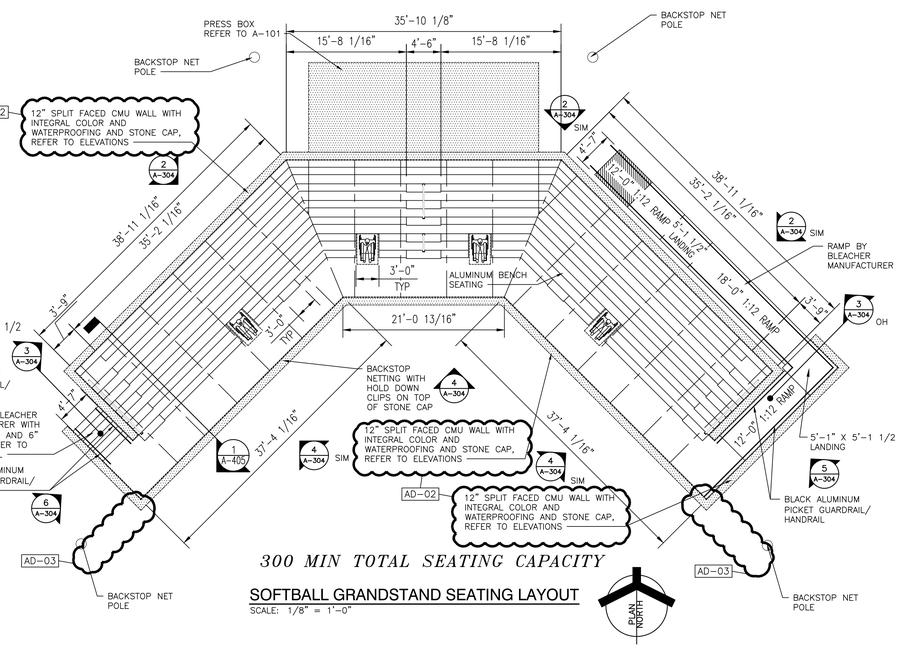
H. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS ARE TO BE BULLNOSED, EXCEPT AT MASONRY BULKHEADS AND EXTERIOR WINDOW JAMBS.



300 MIN TOTAL SEATING CAPACITY

BASEBALL GRANDSTAND SEAT LAYOUT

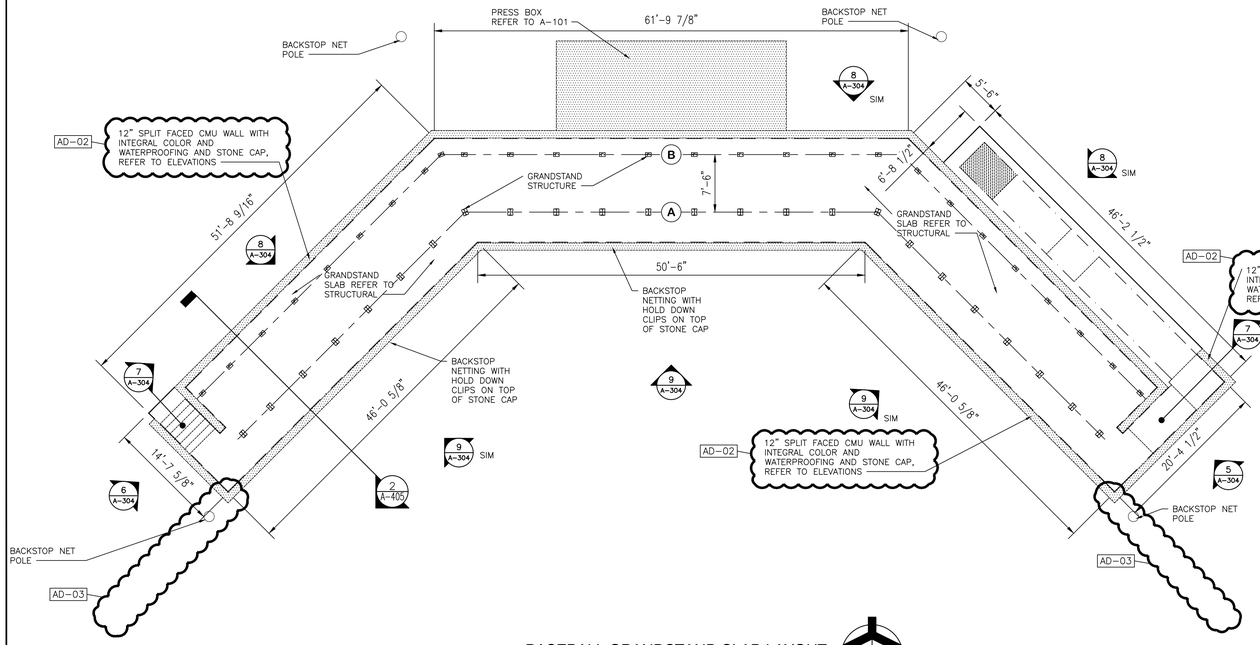
SCALE: 1/8" = 1'-0"



300 MIN TOTAL SEATING CAPACITY

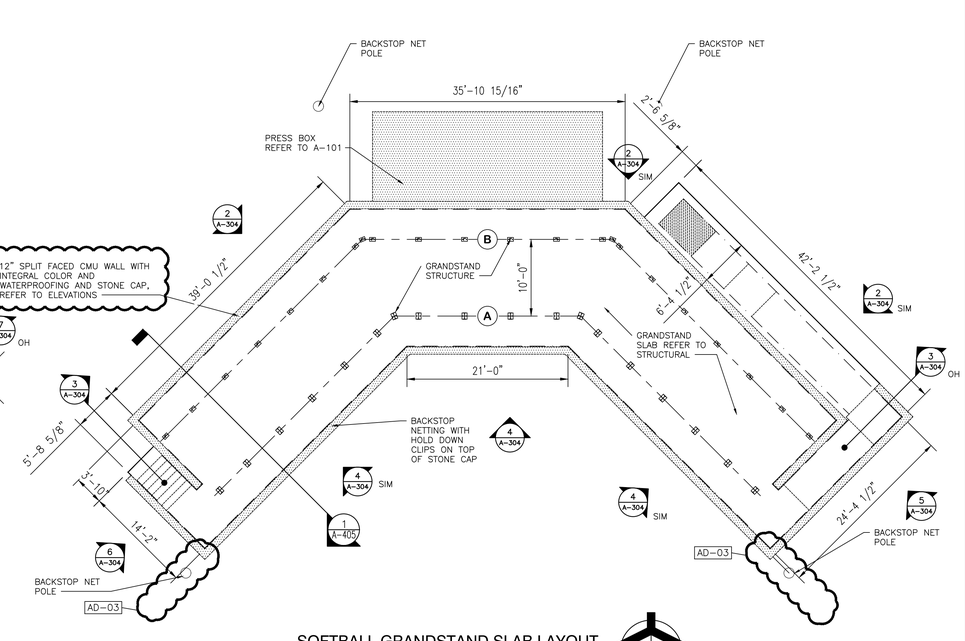
SOFTBALL GRANDSTAND SEATING LAYOUT

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



BASEBALL GRANDSTAND SLAB LAYOUT

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



SOFTBALL GRANDSTAND SLAB LAYOUT

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

Friday, 10/27/2023 - 9:18 AM - LAST SAVED BY:DBURNS
Y:\23-112 TRI-CREEK SC - LOWELL HS SITE IMPROVEMENTS\2X-XXX DRAWINGS\05 ARCH\A-104-SB.DWG

GIBRALTAR DESIGN
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PROJECT

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TRI-CREEK SCHOOL CORPORATION

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PROJECT 23-115
DATE 09/25/23
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JOSEPH P. BRIGGS REGISTERED NO. 11600109 STATE OF INDIANA ARCHITECT

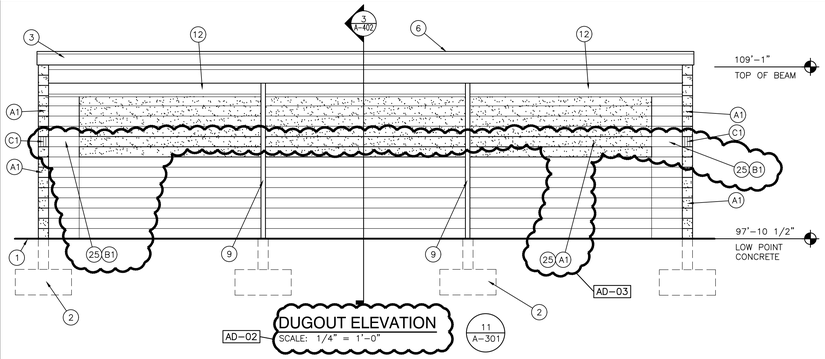
REVISIONS

MARK	DATE	ISSUED FOR
AD-2	10/20/23	ADDENDUM NO. 2
AD-3	10/27/23	ADDENDUM NO. 3

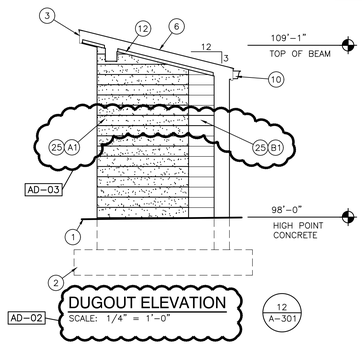
DRAWING
SITE BUILDINGS - VARSITY BASEBALL AND SOFTBALL GRANDSTAND PLANS

PROJECT
LOWELL HIGH SCHOOL - RENOVATIONS & NEW SPORTS COMPLEX

SHEET
A-104-SB



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



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

MASONRY TYPE NOTES

- A1 SPLIT FACED CMU WITH INTEGRAL COLOR (COLOR B) AND WATERPROOFING. (RUNING BOND) REFER TO PLANS AND SECTIONS FOR CMU THICKNESS.
- B1 SPLIT FACED CMU WITH INTEGRAL COLOR (COLOR A) AND WATERPROOFING. (RUNNING BOND) REFER TO PLANS AND SECTIONS FOR CMU THICKNESS.
- C1 FACE BRICK COLOR C – SOLDIER COURSE STANDARD MODULAR SIZE.

ELEVATION KEY NOTES CONT:

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

12. WOOD TRIM
13. GRANDSTAND MASONRY WALL AT BASEBALL AND SOFTBALL, HEIGHT VARIES.
14. STEEL BEAM, REFER TO STRUCTURAL.
15. BLACK ALUMINUM PICKET GUARDRAIL/HANDRAIL BY GRANDSTAND MANUFACTURER.
16. BLACK VINYL CHAIN LINK MESH GUARDRAIL/HANDRAIL BY GRANDSTAND MANUFACTURER.
17. OVERHEAD COILING DOOR.
18. METAL PANEL TRIM BY GRANDSTAND MANUFACTURER.
19. STONE CAP. (6 / A-401)
20. 3'-4" X 8'-0" ALUMINUM AWNING WITH DOWNSPOUT CONNECTED INTO BUILDING DOWNSPOUT.
21. ALUMINUM SCUPPER, DOWNSPOUT, AND BOOT, REFER TO FLOOR PLAN.
22. METAL COPING.
23. TICKET WINDOW, REFER TO SPECIFICATIONS.
24. LIGHT FIXTURE, REFER TO ELECTRICAL.
25. CMU BEHIND SOLDIER COURSE IS TO BE A CUT 8" CMU BLOCK, REFER TO STRUCTURAL. USE THE SPLIT FACED BLOCK COLOR AS NOTED AND USE BACK/SMOOTH SIDE OF THE BLOCK IN LIEU SPLIT FACED SIDE TO MATCH TEXTURE OF SURROUNDING CMU.

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.

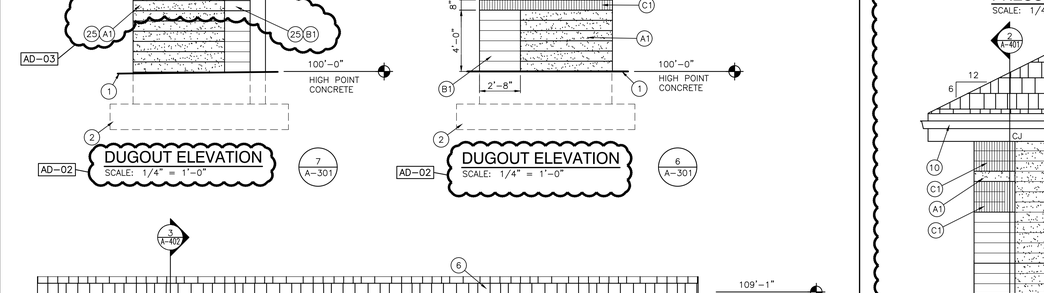
E. STEP BRICK LEDGE DOWN AS REQUIRED FOR LEDGE TO BE BELOW GRADE OR CONCRETE WALK. COORDINATE WITH CIVIL DRAWINGS.

F. (CJ) INDICATES CONTROL JOINT.

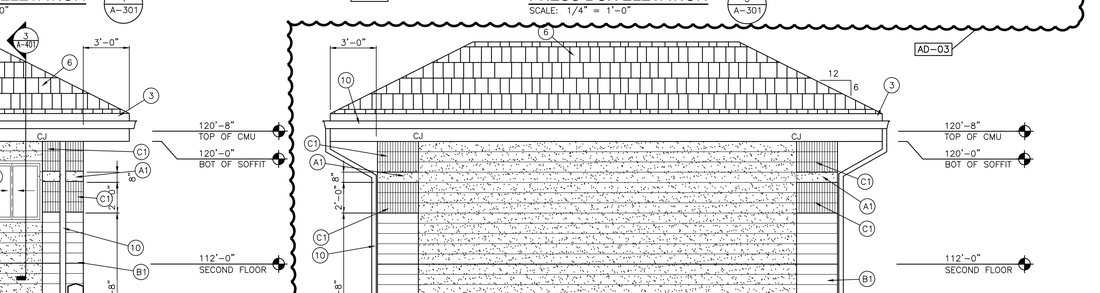
ELEVATION KEY NOTES:

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

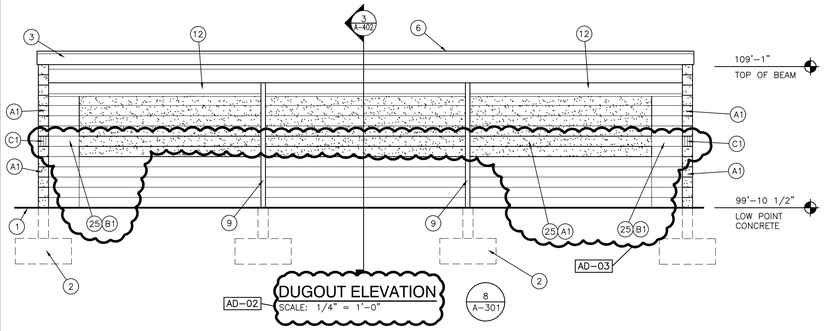
1. APPROXIMATE FINISH GRADE, REFER TO CIVIL DRAWINGS.
2. FOUNDATION WALL AND FOOTING, REFER TO STRUCTURAL DRAWINGS.
3. METAL FASCIA.
4. FRP DOOR AND ALUMINUM FRAME.
5. BLACK PAINTED STEEL GUARDRAIL/HANDRAIL. (5 / A-501)
6. ASPHALT SHINGLE ROOF SYSTEM, REFER TO FLOOR PLANS AND SECTIONS.
7. ALUMINUM WINDOW.
8. METAL STAIR. (1 / A-501) (2 / A-501) (3 / A-501)
9. STEEL TUBE, REFER TO STRUCTURAL.
10. ALUMINUM GUTTER AND/OR DOWNSPOUT AND BOOT, REFER TO FLOOR PLAN.
11. LINE OF GRANDSTANDS, VARIES FROM GRANDSTAND TO GRANDSTAND FIELD VERIFY. CMU BELOW LINE TO BE STANDARD CMU FOR THIS ELEVATION ONLY.



JV HOME DUGOUT ELEVATION
SCALE: 1/4" = 1'-0"



JV HOME DUGOUT ELEVATION
SCALE: 1/4" = 1'-0"



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

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

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

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

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

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

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

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

GIBRALTAR DESIGN
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PROJECT

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PROJECT 23-115
DATE 09/25/23
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	10/20/23	ADDENDUM NO. 2
AD-3	10/27/23	ADDENDUM NO. 3

DRAWING

SITE BUILDINGS - PRESS BOX AND DUGOUT ELEVATIONS

PROJECT
LOWELL HIGH SCHOOL - RENOVATIONS & NEW SPORTS COMPLEX

SHEET
A-301-SB

Friday, 10/27/2023 - 10:20 AM - LAST SAVED BY:DBURNS
Y:\23-112 TRI-CREEK SC - LOWELL HS SITE IMPROVEMENTS\23-XXX DRAWINGS\05 ARCH\A-301-SB.DWG

MASONRY TYPE NOTES

AD-02

- (A1) SPLIT FACED CMU WITH INTEGRAL COLOR (COLOR B) AND WATERPROOFING. (RUNING BOND) REFER TO PLANS AND SECTIONS FOR CMU THICKNESS.
- (B1) SPLIT FACED CMU WITH INTEGRAL COLOR (COLOR A) AND WATERPROOFING. (RUNNING BOND) REFER TO PLANS AND SECTIONS FOR CMU THICKNESS.
- (C1) FACE BRICK COLOR C – SOLDIER COURSE. STANDARD MODULAR SIZE.

AD-02

ELEVATION KEY NOTES CONT:

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

12. WOOD TRIM
13. GRANDSTAND MASONRY WALL AT BASEBALL AND SOFTBALL, HEIGHT VARIES.
14. STEEL BEAM, REFER TO STRUCTURAL.
15. BLACK ALUMINUM PICKET GUARDRAIL/HANDRAIL BY GRANDSTAND MANUFACTURER.
16. BLACK VINYL CHAIN LINK MESH GUARDRAIL/HANDRAIL BY GRANDSTAND MANUFACTURER.
17. OVERHEAD COILING DOOR.
18. METAL PANEL TRIM BY GRANDSTAND MANUFACTURER.
19. STONE CAP. — 6 / A-401
20. 3'-4" X 8-0" ALUMINUM AWNING WITH DOWNSPOUT CONNECTED INTO BUILDING DOWNSPOUT.
21. ALUMINUM SCUPPER, DOWNSPOUT, AND BOOT, REFER TO FLOOR PLAN.
22. METAL COPING.
23. TICKET WINDOW, REFER TO SPECIFICATIONS.
24. LIGHT FIXTURE, REFER TO ELECTRICAL.
25. CMU BEHIND SOLDIER COURSE IS TO BE A CUT 8" CMU BLOCK, REFER TO STRUCTURAL. USE THE SPLIT FACED BLOCK COLOR AS NOTED AND USE BACK/SMOOTH SIDE OF THE BLOCK IN LIEU SPLIT FACED SIDE TO MATCH TEXTURE OF SURROUNDING CMU.

AD-02 — AD-03

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.

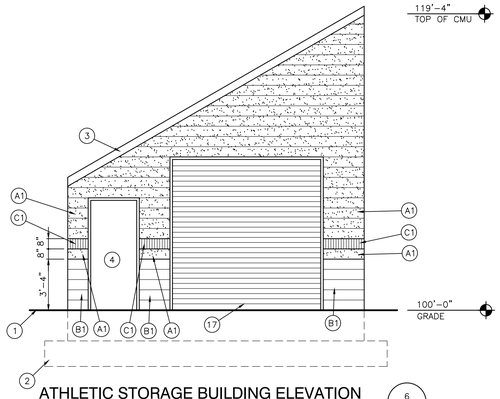
F. (CJ) INDICATES CONTROL JOINT.

ELEVATION KEY NOTES:

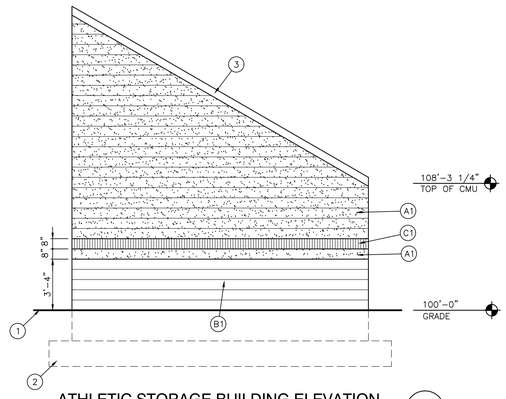
(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

1. APPROXIMATE FINISH GRADE, REFER TO CIVIL DRAWINGS.
2. FOUNDATION WALL AND FOOTING, REFER TO STRUCTURAL DRAWINGS.
3. METAL FASCIA.
4. FRP DOOR AND ALUMINUM FRAME.
5. BLACK PAINTED STEEL GUARDRAIL/HANDRAIL. — 5 / A-501
6. ASPHALT SHINGLE ROOF SYSTEM, REFER TO FLOOR PLANS AND SECTIONS.
7. ALUMINUM WINDOW.
8. METAL STAIR. — 1 / A-501, 2 / A-501, 3 / A-501
9. STEEL TUBE, REFER TO STRUCTURAL.
10. ALUMINUM GUTTER AND/OR DOWNSPOUT AND BOOT, REFER TO FLOOR PLAN.
11. LINE OF GRANDSTANDS, VARIES FROM GRANDSTAND TO GRANDSTAND FIELD VERIFY. CMU BELOW LINE TO BE STANDARD CMU FOR THIS ELEVATION ONLY.

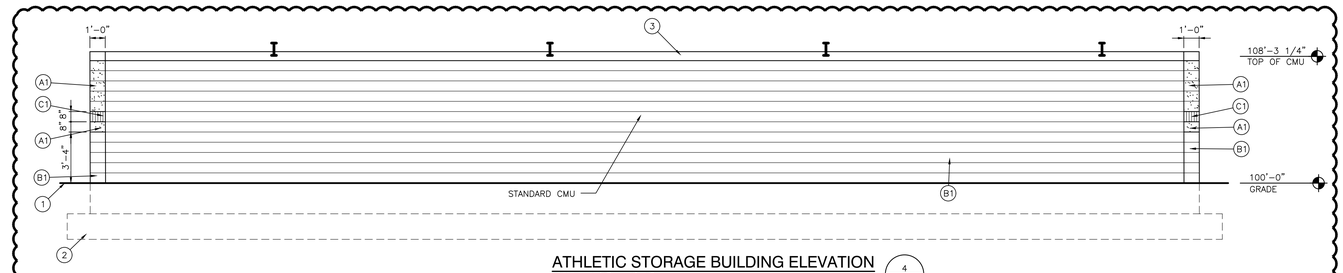
AD-03



ATHLETIC STORAGE BUILDING ELEVATION
SCALE: 1/4" = 1'-0"
6 / A-303

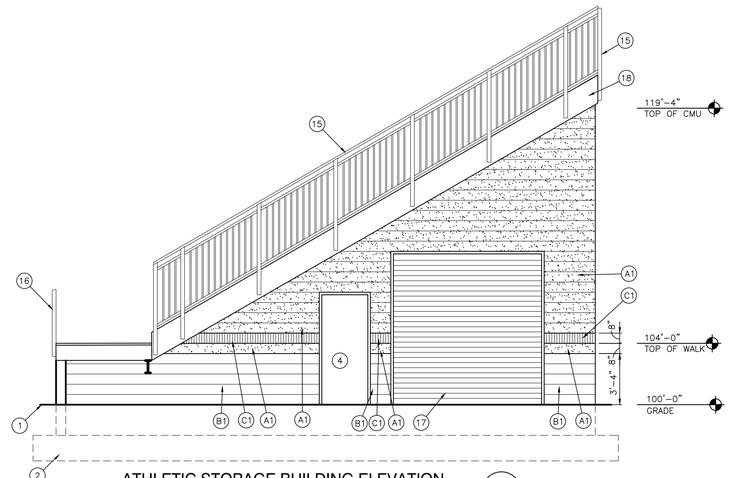


ATHLETIC STORAGE BUILDING ELEVATION
SCALE: 1/4" = 1'-0"
5 / A-303

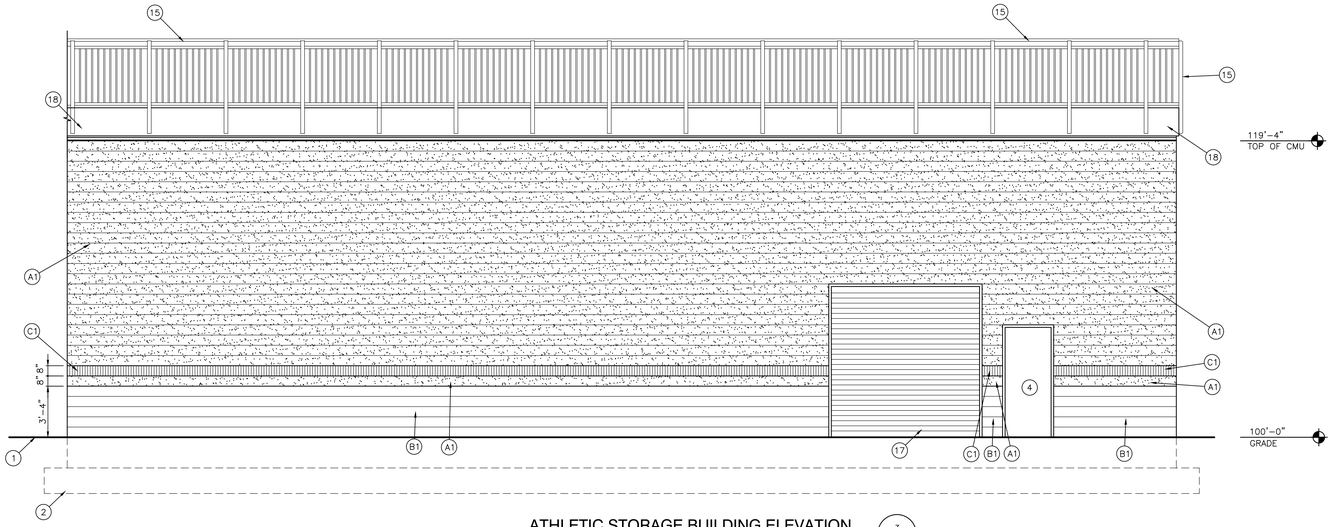


ATHLETIC STORAGE BUILDING ELEVATION
SCALE: 1/4" = 1'-0"
4 / A-303

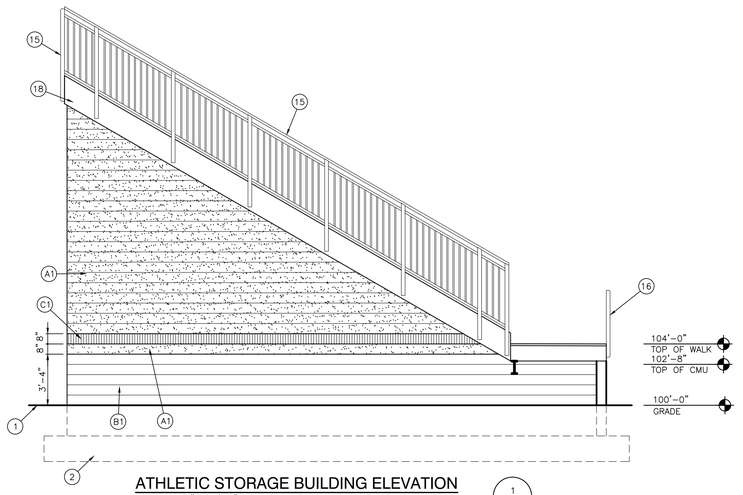
AD-03



ATHLETIC STORAGE BUILDING ELEVATION
SCALE: 1/4" = 1'-0"
2 / A-303



ATHLETIC STORAGE BUILDING ELEVATION
SCALE: 1/4" = 1'-0"
3 / A-303



ATHLETIC STORAGE BUILDING ELEVATION
SCALE: 1/4" = 1'-0"
1 / A-303

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
LOWELL HIGH SCHOOL - RENOVATIONS & NEW SPORTS COMPLEX
TRI-CREEK SCHOOL CORPORATION

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

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DRAWN BY DTB
CHECKED BY DTB JPB

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

REVISIONS

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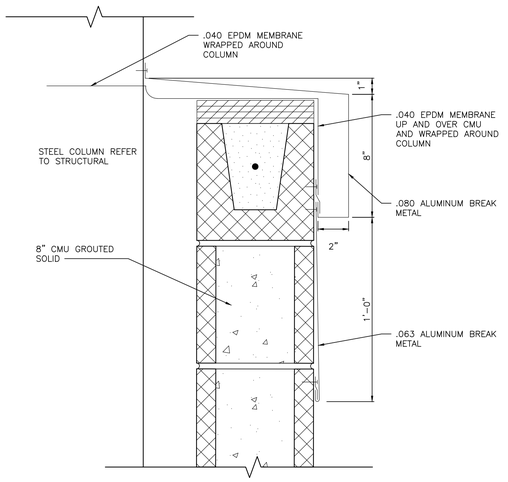
AD-2	10/20/23	ADDENDUM NO. 2
AD-3	10/27/23	ADDENDUM NO. 3

DRAWING
SITE BUILDINGS - ATHLETIC STORAGE BUILDING ELEVATIONS

PROJECT
LOWELL HIGH SCHOOL - RENOVATIONS & NEW SPORTS COMPLEX

SHEET
A-303-SB

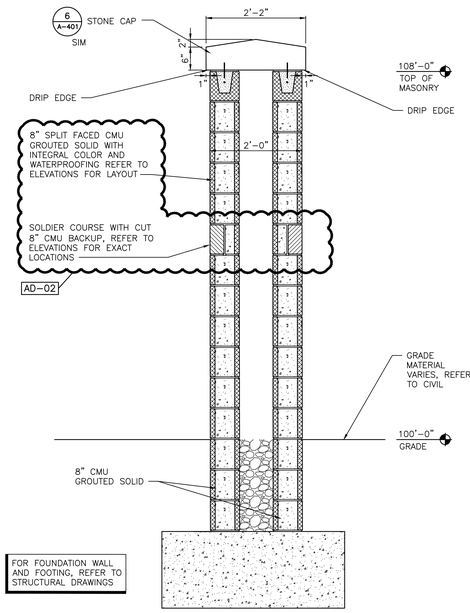
Wednesday, 10/25/2023 - 2:16 PM - LAST SAVED BY:DBURNS
Y:\23-112 TRI-CREEK SC - LOWELL HS SITE IMPROVEMENTS\2X-XXX DRAWINGS\05 ARCH\A-303-SB.DWG



MASONRY PIER ALUMINUM FASCIA DETAIL

SCALE: 3" = 1'-0"

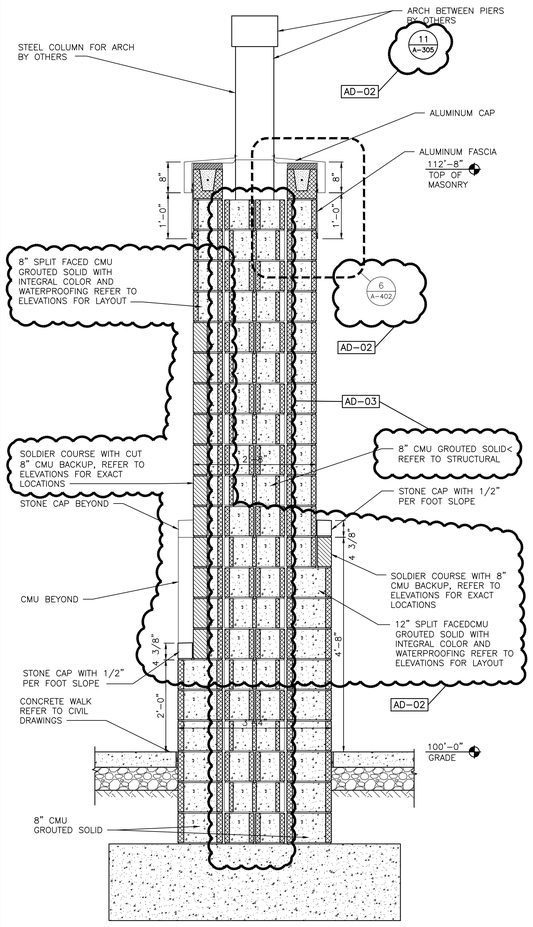
6 A-402



MASONRY PIER

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

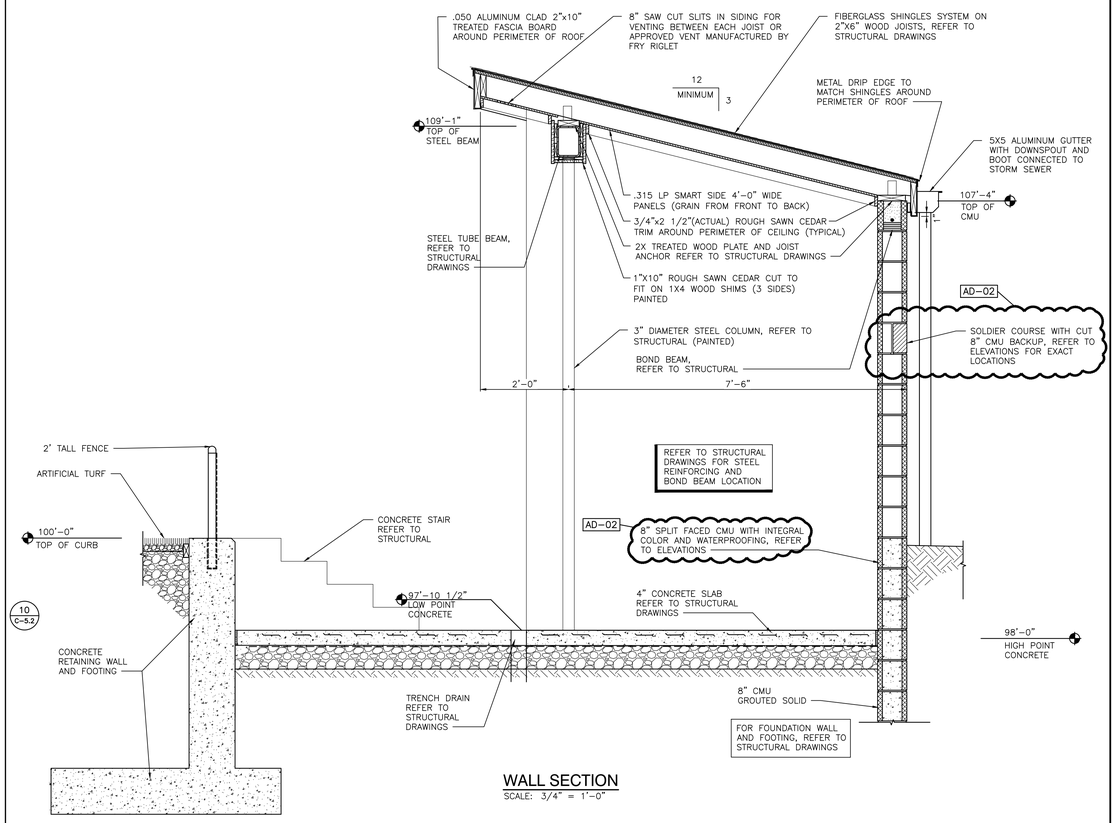
5 A-402



MASONRY PIER

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

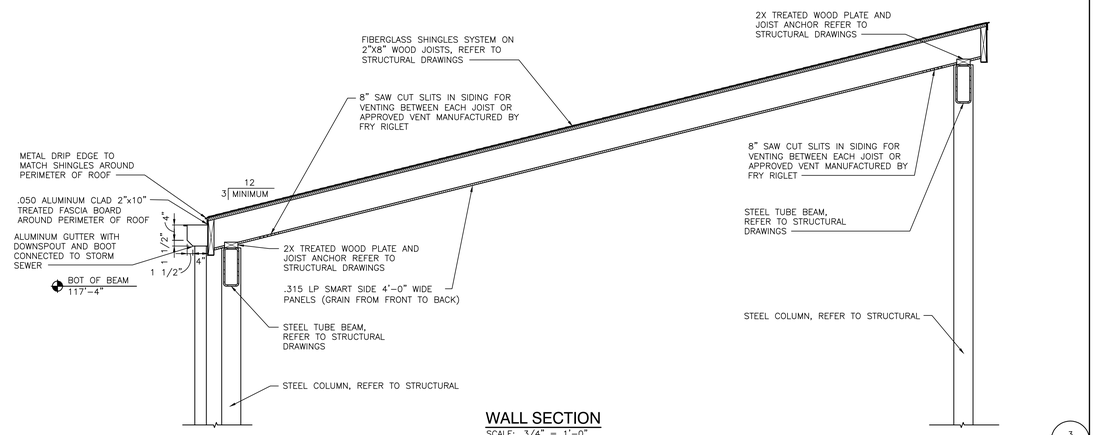
4 A-402



WALL SECTION

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

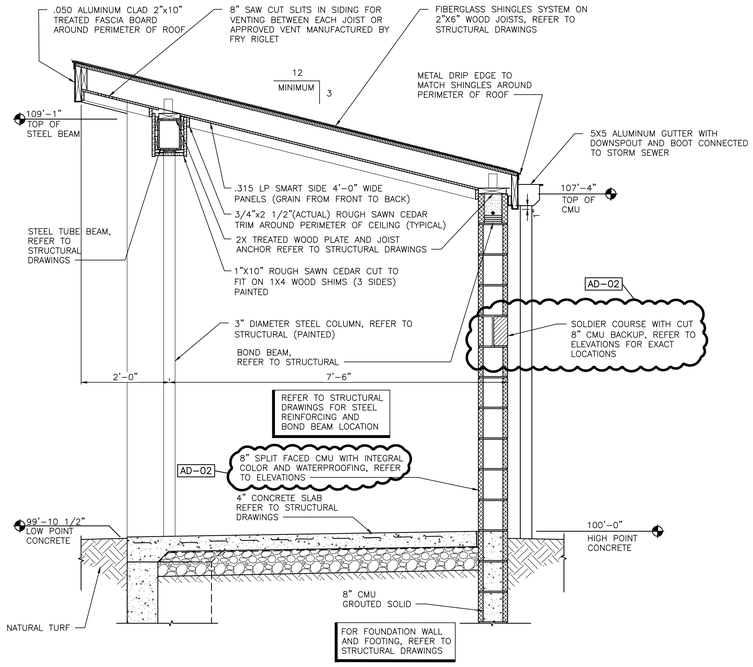
2 A-402



WALL SECTION

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

3 A-402



WALL SECTION

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

1 A-402

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

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TRI-CREEK SCHOOL CORPORATION

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DRAWING

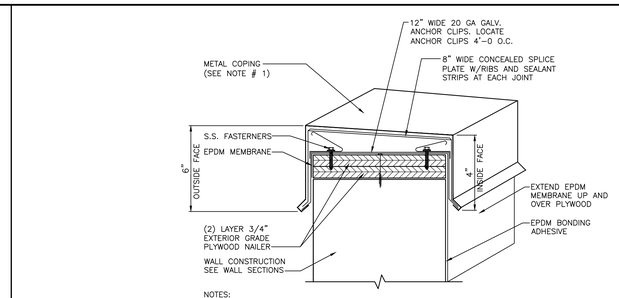
SITE BUILDINGS - WALL SECTIONS

PROJECT

LOWELL HIGH SCHOOL - RENOVATIONS & NEW SPORTS COMPLEX

SHEET

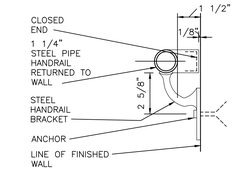
A-402-SB



NOTES:
1) FASTEN COPING IN ACCORDANCE WITH CURRENT SMACNA AND FM RECOMMENDATIONS.

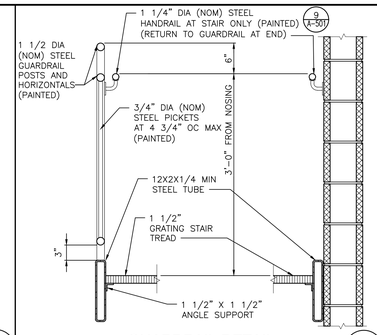
COPING CAP DETAIL
SCALE: 3" = 1'-0"

12 A-501



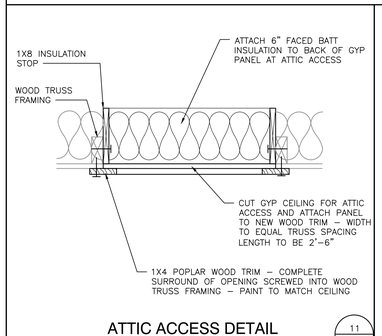
PAINTED STEEL HANDRAIL BRACKET
SCALE: 3" = 1'-0"

9 A-501



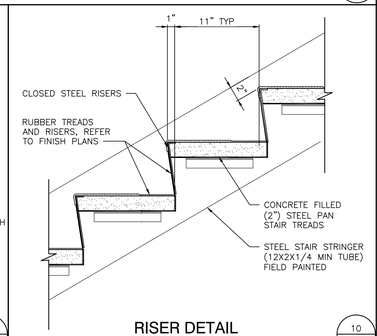
GUARDRAIL DETAIL
SCALE: 1" = 1'-0"

4 A-501



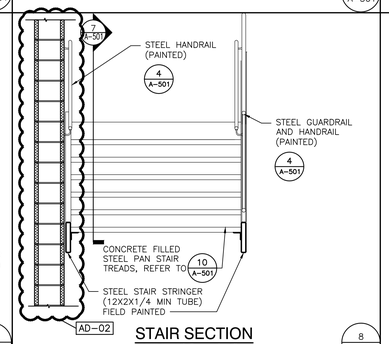
ATTIC ACCESS DETAIL
SCALE: 1 1/2" = 1'-0"

11 A-501



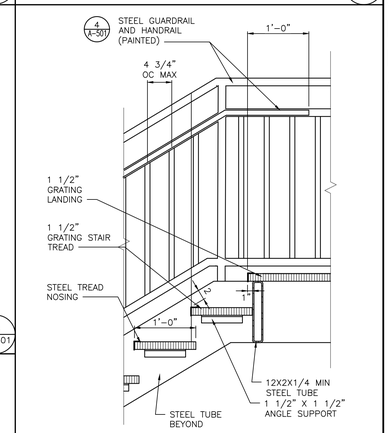
RISER DETAIL
SCALE: 1 1/2" = 1'-0"

10 A-501



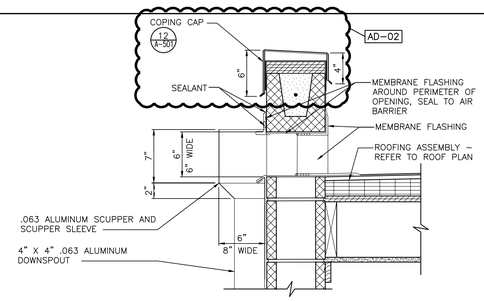
STAIR SECTION
SCALE: 1/2" = 1'-0"

8 A-501



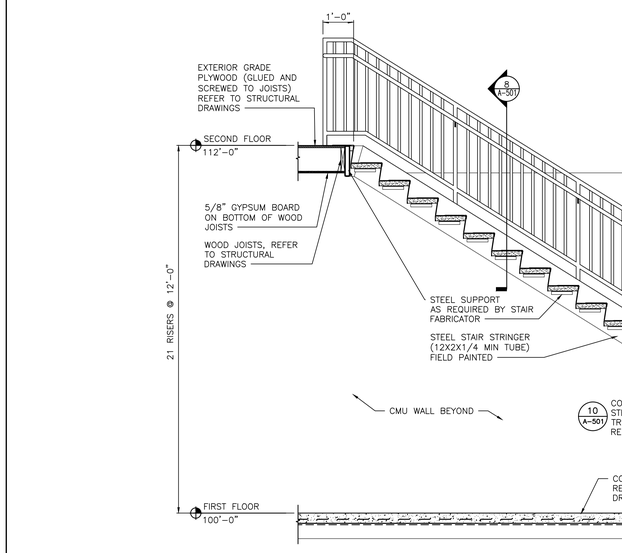
STAIR DETAIL
SCALE: 1" = 1'-0"

3 A-501



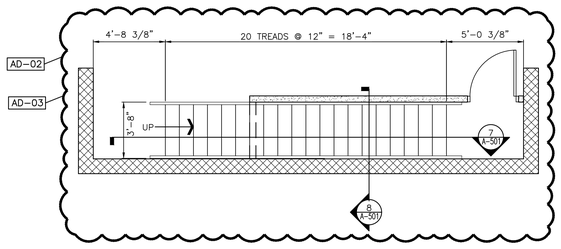
SCUPPER DETAIL
SCALE: 1 1/2" = 1'-0"

13 A-501



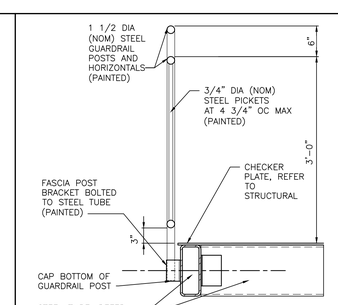
STAIR SECTION
SCALE: 1/2" = 1'-0"

7 A-501



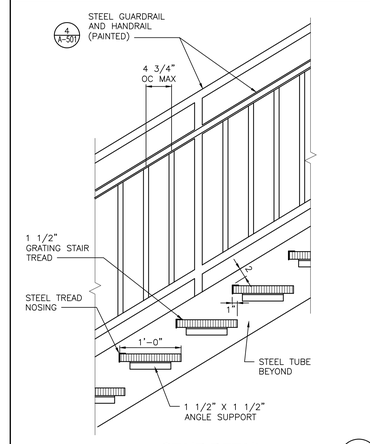
STAIR PLAN
SCALE: 1/4" = 1'-0"

6 A-501



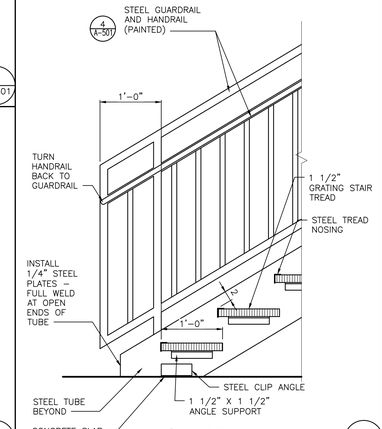
GUARDRAIL DETAIL
SCALE: 1" = 1'-0"

5 A-501



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

2 A-501



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

1 A-501

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
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AD-3	10/27/23	ADDENDUM NO. 3

DRAWING
SITE BUILDINGS - TYPICAL DETAILS

PROJECT
LOWELL HIGH SCHOOL - RENOVATIONS & NEW SPORTS COMPLEX

SHEET
A-501-SB

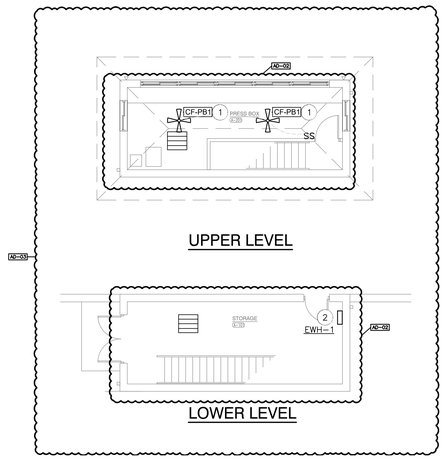
Wednesday, 10/25/2023 - 2:10 PM - LAST SAVED BY:DBURNS
Y:\23-112 TRI-CREEK Sc - LOWELL HS SITE IMPROVEMENTS\2X-XXX DRAWINGS\05 ARCH\A-501-SB.DWG

GENERAL NOTES:

1. SEE SHEET M-001 FOR GENERAL MECHANICAL NOTES, LEGEND AND SCHEDULES.

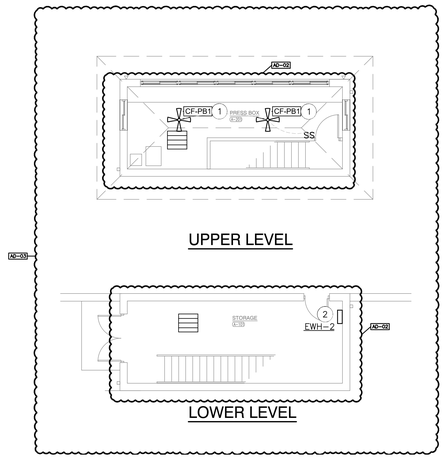
PLAN NOTES:

1. CEILING FAN WITH WALL SWITCH CONTROL.
2. SURFACE MOUNTED WALL HEATER WITH FAN.
3. SURFACE MOUNTED CEILING HEATER WITH FAN AND REMOTE MOUNTED WALL THERMOSTAT IN TICKET BOOTH. THIS APPLIES TO MULTIPLE TICKET BOOTHS, SEE SITE PLANS FOR NUMBER OF BOOTHS.



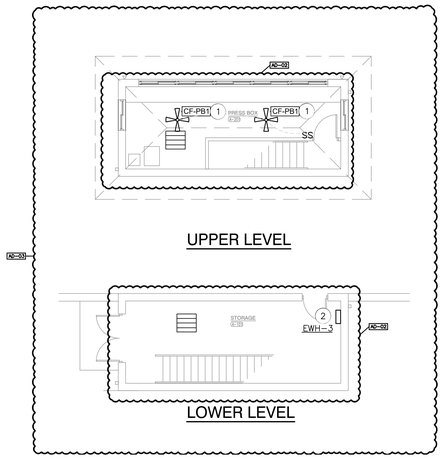
SOCCER PRESSBOX MECHANICAL PLANS

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



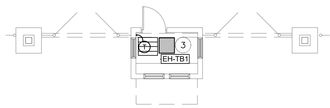
BASEBALL PRESSBOX MECHANICAL PLANS

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



SOFTBALL PRESSBOX MECHANICAL PLANS

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



THERE ARE MULTIPLE TICKET BOOTHS ON PROPERTY. CONTRACTOR SHALL COORDINATE QUANTITIES.

TICKET BOOTH MECHANICAL PLAN

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

GIBRALTAR DESIGN
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PROJECT 23-115
DATE 09/25/23
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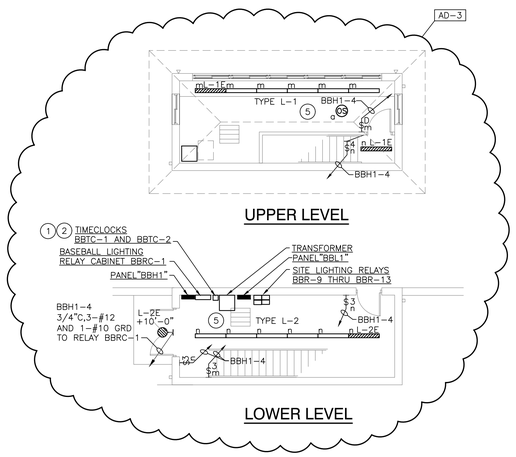
AD-03	10/27/23	ADDENDUM #3

DRAWING
SITE BUILDING MECHANICAL PLANS

PROJECT
LOWELL HIGH SCHOOL - RENOVATIONS & NEW SPORTS COMPLEX

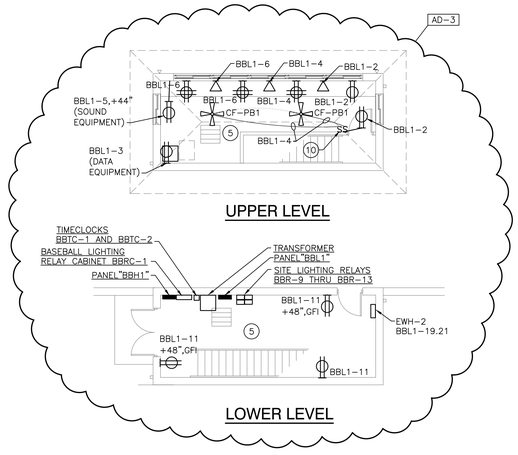
 SHEET

M-101-SB



BASEBALL PRESSBOX ELECTRICAL LIGHTING PLANS

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



BASEBALL PRESSBOX ELECTRICAL POWER PLANS

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

GENERAL NOTES:

1. FOR ADDITIONAL GENERAL ELECTRICAL NOTES, SEE GENERAL ELECTRICAL PROJECT NOTES ON SHEET E-001.
2. SEE E-600 SHEETS FOR ELECTRICAL DETAILS AND SCHEDULES.
3. SEE E-700 SHEETS FOR ELECTRICAL DISTRIBUTION DIAGRAMS.

ELECTRICAL PLAN NOTES:

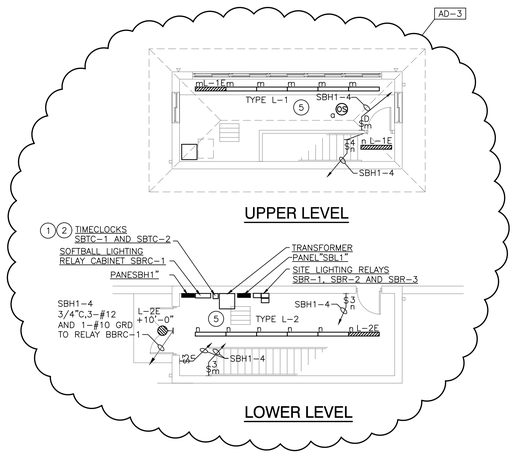
(THESE NOTES APPLY TO THIS SHEET ONLY)

5. PROVIDE ALL LIGHTING FIXTURES, RECEPTACLES, SWITCHES, ETC. AS WELL AS BRANCH CIRCUITS. ALL OTHER ELECTRICAL EQUIPMENT (PANELBOARDS, TRANSFORMERS, RELAYS, SPORTS LIGHTING RELAY CABINETS, TIMECLOCKS, DISCONNECTS, ETC.) SHOWN ARE PROVIDED AS PART OF LOWELL HIGH SCHOOL SITE, BLEACHERS AND TURF/DRAINAGE PROJECT.
6. PROVIDE ALL LIGHTING FIXTURES, RECEPTACLES, SWITCHES, TIMECLOCKS, ETC. AS WELL AS BRANCH CIRCUITS. ALL OTHER ELECTRICAL EQUIPMENT (PANELBOARDS) SHOWN ARE PROVIDED AS PART OF LOWELL HIGH SCHOOL SITE, BLEACHERS AND TURF/DRAINAGE PROJECT.
7. TORK DZS100BP SINGLE CHANNEL DIGITAL TIMECLOCKS TBTC-1 (TBL1-1) CONTROLS EXTERIOR LIGHTS.
8. TORK DZS100BP SINGLE CHANNEL DIGITAL TIMECLOCKS TBTC-2 (TBL2-1) CONTROLS EXTERIOR LIGHTS.
9. TORK DZS100BP SINGLE CHANNEL DIGITAL TIMECLOCKS TBTC-3 (TBL3-1) CONTROLS EXTERIOR LIGHTS.
10. CEILING FAN CONTROLLER BY CEILING FAN INSTALLER. INSTALLED BY DIVISION 26.
11. PROVIDE A METAL ENCLOSURE (PAINTED TO MATCH THE WALL) ABOVE AND BELOW THE PANELBOARD TO COVER UP THE CONDUITS. THE WIDTH OF THE ENCLOSURES SHALL BE THE SAME WIDTH OF THE PANELBOARD.

ELECTRICAL PLAN NOTES:

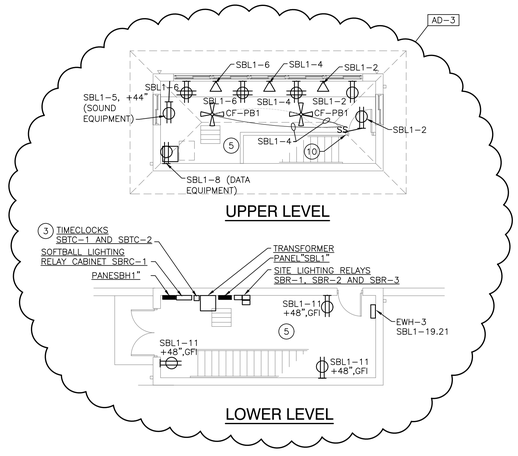
(THESE NOTES APPLY TO THIS SHEET ONLY)

1. TORK DZS200BP FOUR CHANNEL DIGITAL TIMECLOCK BBTC-1. CHANNEL ONE CONTROLS RELAY BBR-9 (EXTERIOR LIGHTS), CHANNEL TWO CONTROLS RELAY BBR-10 (VARSITY BASEBALL FIELD FLAG POLE LIGHT), CHANNEL THREE CONTROLS RELAY BBR-13 (JV BASEBALL FIELD FLAG POLE LIGHT) AND CHANNEL FOUR IS A SPARE. (CIRCUIT BBH1-32). TIMECLOCKS AND WIRING TO FLAG POLE LIGHTS PROVIDED AS PART OF LOWELL HIGH SCHOOL SITE, BLEACHERS AND TURF/DRAINAGE PROJECT. PROVIDE WIRING TO BUILDING EXTERIOR LIGHTS.
2. TORK DZS200BP TWO CHANNEL DIGITAL TIMECLOCK BBTC-2 CHANNEL ONE CONTROLS RELAY BBR-11 (NORTHEAST PARKING LOT LIGHTS LIGHTS) AND CHANEL TWO CONTROLS BBR-12 (NORTH DRIVE LIGHTS). (CIRCUIT BBH1-36). TIMECLOCKS AND WIRNG TO SITE LIGHTING PROVIDED AS PART OF LOWELL HIGH SCHOOL SITE, BLEACHERS AND TURF/DRAINAGE PROJECT.
3. TORK DZS400BP FOUR CHANNEL DIGITAL TIMECLOCK SBTC-1. CHANNEL ONE CONTROLS RELAY SBR-5 (EXTERIOR LIGHTS), CHANNEL TWO CONTROLS SBR-6 (VARSITY SOFTBALL FIELD FLAG POLE LIGHTS) AND CHANNEL THREE CONTROLS RELAY SBR-7 (JV SOFTBALL FIELD FLAG POLE LIGHT) AND CHANNEL FOUR IS A SPARE. (CIRCUIT SBH1-1). TIMECLOCKS AND WIRING TO FLAG POLE LIGHTS PROVIDED AS PART OF LOWELL HIGH SCHOOL SITE, BLEACHERS AND TURF/DRAINAGE PROJECT. PROVIDE WIRING TO BUILDING EXTERIOR LIGHTS.
4. TORK DZS400BP FOUR CHANNEL DIGITAL TIMECLOCK SFTC-1). CHANNEL ONE CONTROLS RELAY SFR-5 (EXTERIOR LIGHTS), CHANNEL TWO CONTROLS SFR-6 (FLAG POLE LIGHTS), CHANNEL THREE CONTROLS RELAY SFR-7 (WEST PARKING LOT LIGHTS) AND CHANNEL FOUR IS A SPARE. (CIRCUIT SFH1-1). TIMECLOCKS AND WIRING TO FLAG POLE LIGHTS PROVIDED AS PART OF LOWELL HIGH SCHOOL SITE, BLEACHERS AND TURF/DRAINAGE PROJECT. PROVIDE WIRING TO BUILDING EXTERIOR LIGHTS.



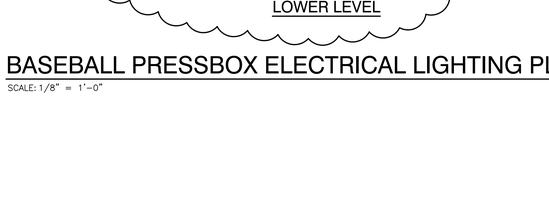
SOFTBALL PRESSBOX ELECTRICAL LIGHTING PLANS

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



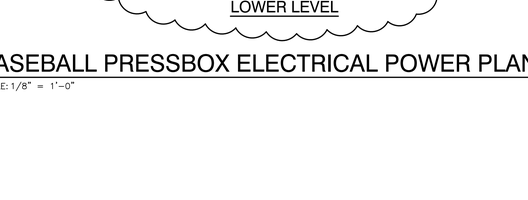
SOFTBALL PRESSBOX ELECTRICAL POWER PLANS

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



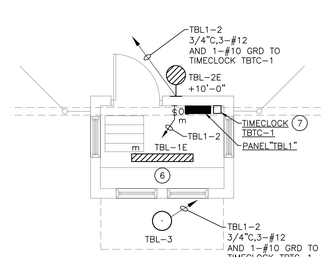
SOCCER PRESSBOX ELECTRICAL LIGHTING PLANS

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

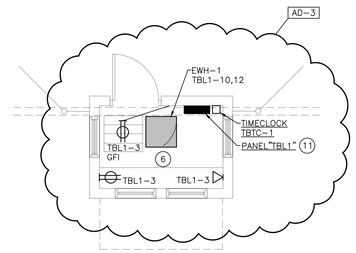


SOCCER PRESSBOX ELECTRICAL POWER PLANS

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



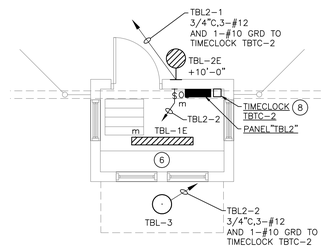
LIGHTING PLAN



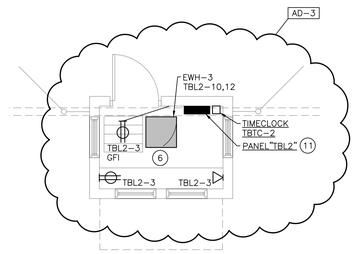
POWER PLAN

TICKET BOOTH #1 ELECTRICAL PLANS

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



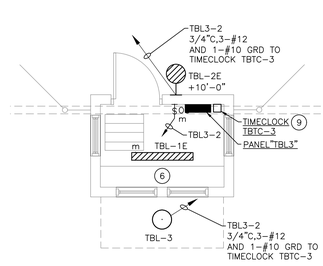
LIGHTING PLAN



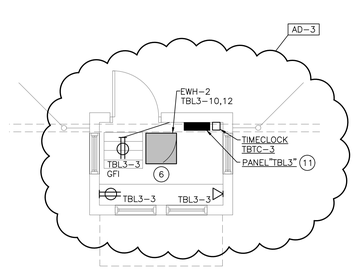
POWER PLAN

TICKET BOOTH #2 ELECTRICAL PLANS

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



LIGHTING PLAN



POWER PLAN

TICKET BOOTH #3 ELECTRICAL PLANS

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

GIBRALTAR DESIGN

ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

LOWELL HIGH SCHOOL - RENOVATIONS & NEW SPORTS COMPLEX

TRI-CREEK SCHOOL CORPORATION

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 23-115
DATE 09/25/23
COORDINATED BY PCB
DRAWN BY PCB/JVC
CHECKED BY JPB

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

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	10/20/23	ADDENDUM NO. 2
AD-3	10/27/23	ADDENDUM NO. 3

DRAWING
SITE BUILDINGS ELECTRICAL PLANS

PROJECT
LOWELL HIGH SCHOOL - RENOVATIONS & NEW SPORTS COMPLEX

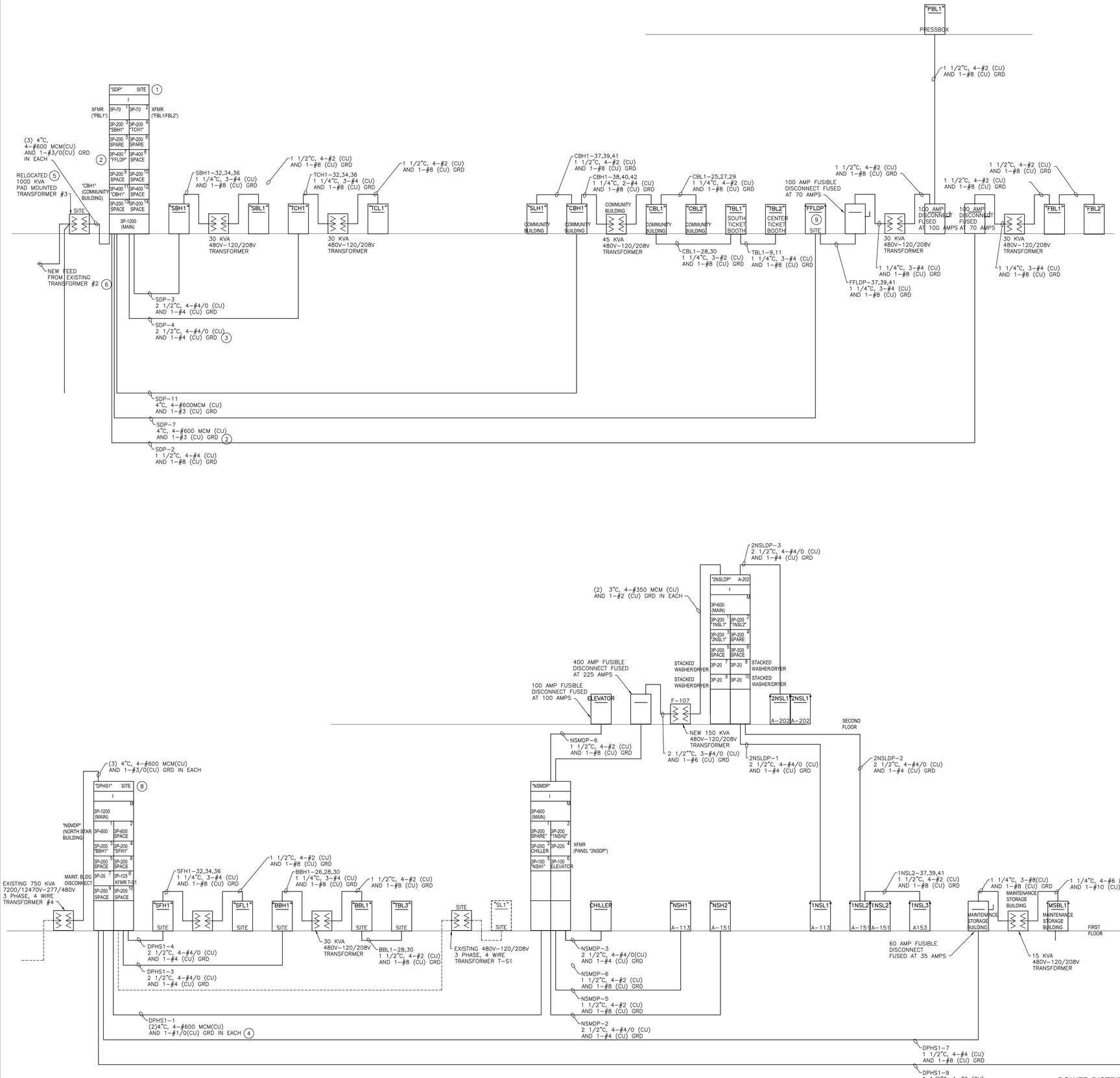
SHEET
E-102-SB

Thursday, 10/26/2023 - 1:18 PM - LAST SAVED BY:JCHAMBERS
Y:\23-112 TRI-CREEK SC - LOWELL HS SITE IMPROVEMENTS\2X-XXX DRAWINGS\09 ELEC\E-102-SB.DWG

ELECTRICAL PLAN NOTES:

(THESE NOTES APPLY TO THIS SHEET ONLY)

1. NEW DISTRIBUTION PANEL "SDP". INTERCEPT ANY EXISTING FEEDERS SERVING EQUIPMENT, THAT REMAINS, AND EXTEND TO THE NEW DISTRIBUTION PANEL "SDP", UNLESS OTHERWISE NOTED.
2. NEW FEEDER TO NEW FOOTBALL FIELD PANEL "FFLDP".
3. NEW FEEDER TO THE TENNIS COURT LIGHTING PANEL
4. NEW FEEDER TO THE NORTH STAR BUILDING.
5. RELOCATED PAD MOUNTED TRANSFORMER #3. SEE SHEETS ES101, ES102 AND ES108.
6. SEE SHEETS ES101, ES102 ANS ES108 FOR INFORMATION ON THE FEEDER FROM EXISTING TRANSFORMER #2 TO RELOCATED TRANSFORMER #3.
7. NEW FEEDER FROM RELOCATED TRANSFORMER #3 TO EXISTING TRANSFORMER #4. SEE SHEETS ES101, ES102 AND ES108.
8. NEW DISTRIBUTION PANEL "DPHS1". INTERCEPT ANY EXISTING FEEDERS SERVING EQUIPMENT, THAT REMAINS, AND EXTEND TO THE NEW DISTRIBUTION PANEL "SDP", UNLESS OTHERWISE NOTED.
9. REPLACE EXISTING PANEL "FFLDP" WITH NEW PANEL "FFLDP". INTERCEPT EXISTING CIRCUITS SERVING LIGHTING FIXTURES, EQUIPMENT, ETC. THAT REMAIN AND EXTEND TO NEW PANEL "FFLDP".



ELECTRICAL PARTIAL POWER DISTRIBUTION DIAGRAM

SCALE: NOT TO SCALE

---------- EXISTING TO REMAIN

———— NEW

POWER DISTRIBUTION DIAGRAM FOR REFERENCE ONLY. PANELBOARDS, FEEDERS, ETC, PROVIDED AS PART OF THE LOWELL HIGH SCHOOL SITE, BLEACHERS AND TURF/DRAINAGE PROJECT. CONTRACTOR SHALL PROVIDE ALL ASSOCIATED BRANCH CIRCUIT WIRING.

FOR REFERENCE ONLY

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

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9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
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Phone 317.580.5777 Fax 317.580.5778

PROJECT
LOWELL HIGH SCHOOL - RENOVATIONS & NEW SPORTS COMPLEX
TRI-CREEK SCHOOL CORPORATION

PROJECT 23-115
DATE 09/25/23
COORDINATED BY PCB
DRAWN BY PCB/JVC
CHECKED BY JPB

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

REVISIONS

MARK	DATE	ISSUED FOR
AD-3	10/27/23	ADDENDUM NO. 3
		(ENTIRE SHEET)

DRAWING
ELECTRICAL PARTIAL POWER DISTRIBUTION DIAGRAM

PROJECT
LOWELL HIGH SCHOOL - RENOVATIONS & NEW SPORTS COMPLEX

SHEET
E-702-ALL

Thursday, 10/26/2023 - 12:51 PM - LAST SAVED BY:JCHAMBERS
Y:\23-112 TRI-CREEK SC - LOWELL HS SITE IMPROVEMENTS\24-XXX DRAWINGS\09 ELEC\E-702-ALL.DWG