

# ADDENDUM

ADDENDUM NO: 01

PROJECT: Noblesville High School Softball Site Building

PROJECT NO: 2024079

DATE: 01/17/2025

BY: Nick Wissing

This Addendum is issued in accordance with the provisions of "The General Conditions of the Contract for Construction," Article 1, "Contract Documents" and becomes a part of the Contract Documents as provided therein. This Addendum includes:

Addendum Pages: **ADD 1 of 6 through ADD 6 of 6**

Attached Drawings: **COVER SHEET, C110, L102, L102A, S201, AD201, A201, A202, A301, A302, A501, M201, M601, E100, E201, E501, E601**

Attached Specifications: **00 42 01  
01 23 00  
32 31 19**

## **PART 0 - GENERAL INFORMATION**

NONE

## **PART 1 - BIDDING REQUIREMENTS**

NONE

## **PART 2 - SPECIFICATIONS**

- 2.1 00 42 01 – Bid Form
  - A. Revise bid form to include "Alternate Bids"
- 2.2 01 23 00 – Alternates
  - A. Add spec section in it's entirety
- 2.3 07 21 00 – THERMAL INSULATION
  - A. Paragraph 2.04.B add subparagraph as follows:
    - 1. "2. Nominal density of 4 lb/cu. ft. (64 kg/cu. M)"
    - 2. "3. Required R-value: 38"
- 2.4 26 43 13 – SURGE PROTECTION FOR ELECTRICAL POWER CIRCUITS
  - A. Page No. 26 43 13 - 2 - Paragraph No. 2.2D.

1. Change to read as follows:

"Protection modes and UL 1449 VPR for 120/240 V, single-phase, three-wire circuits shall not exceed the following:

1. Line to Neutral: 700 V.
2. Line to Ground: 700 V.
3. Neutral to Ground: 700 V.
4. Line to Line: 1200 V."

### **PART 3 - DRAWINGS**

#### 3.1 COVER SHEET

- A. Add sheet L102A – SITE ALTERNATE DIAGRAMMING to the Landscape sheet index.
- B. Add sheet AD201 – DEMO FLOOR PLAN AND SECTIONS to Architectural sheet index.

#### 3.2 C110 – DEMO PLAN

- A. Revise Demolition Note #08

#### 3.3 L102 – MATERIALS & NOTES

- A. Replace sheet in it's entirety

#### 3.4 L102A – SITE ALTERNATE DIAGRAMMING

- A. Add sheet in it's entirety

#### 3.5 S201 – FOUNDATION & ROOF FRAMING PLANS

- A. Add details 3, 4, & 5/S201 for details on the entry gate alternate

#### 3.6 AD201 – DEMO FLOOR PLAN AND SECTIONS

- A. Add sheet in it's entirety

#### 3.7 A201 – FLOOR PLAN AND ROOF PLAN

- A. 1/A201

1. Decorative aluminum metal fence and plan notes #4 and #5 added as shown at mechanical equipment on West side of exterior.

- B. PLAN NOTES LEGEND

1. Add plan notes #4 and #5. Plan note #4 to read "MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS." Plan note #5 to read "DECORATIVE ALUMINUM LOUVER-STYLE FENCE, SEE SPECIFICATIONS."

C. 4/A201 – COLUMN PLAN DETAIL HIGH

1. Keynotes revised as shown.

D. 5/A201 – COLUMN PLAN DETAIL LOW

1. Keynotes revised as shown.

3.8 A202 – REFLECTED CEILING PLANS

A. 1/A202 – REFLECTED CEILING PLAN - LOW

1. Ceiling grid layout in room LOCKER ROOM adjusted as shown. Refer to MEPT drawings for revisions to overhead ceiling equipment locations.

3.9 A301 – BUILDING ELEVATIONS

A. 2/A301 – WEST ELEVATION

1. Decorative aluminum metal fence and elevation note #11 added to drawing as shown.

B. 3/A301 – NORTH ELEVATION

1. Decorative aluminum metal fence and elevation note #11 added to drawing as shown.

C. 5/A301 – ENTRY GATE SIGNAGE ELEVATION

1. "(ALTERNATE BID)" added to detail title line.
2. Gate added to drawing as shown with keynote 32 31 19-A.
3. Keynote 10 14 19-A added to text note at dimensional signage.

D. 6/A301 – GATE SIGNAGE DETAIL

1. "(ALTERNATE BID)" added to detail title line.
2. Keynote 10 14 19-A added to text note at dimensional signage.

E. ELEVATION NOTE LEGEND

1. Add elevation note #11 to read: "DECORATIVE ALUMINUM LOUVER-STYLE FENCE, SEE SPECIFICATIONS."

3.10 A302 – BUILDING SECTIONS

A. KEYNOTE LEGEND

1. Unused and undefined keynote numbers removed from list.

B. 4/A302 WALL SECTION

1. Keynotes added or revised as shown.
2. Drawing detail revised for better clarity.

C. 5/A302 WALL SECTION

1. Keynotes added or revised as shown.
2. Drawing detail revised for better clarity.

D. 6/A302 WALL SECTION

1. Keynotes added or revised as shown.

3.11 A501 – SCHEDULES, ENLARGED PLANS AND INTERIOR ELEVATIONS

A. DOOR AND FRAME SCHEDULE

1. Add “CARD READER” remarks for doors 101, 102, and 103.
2. Add “J2” in jamb detail cell for overhead door 105-2.

B. HEAD, JAMB, SILL DETAILS

1. Keynotes for Jamb Detail – J1 revised as shown.
2. Add Jamb Detail – J2 to sheet as shown.

3.12 M201 – SOFTBALL LOCKER ROOM – MECHANICAL

- A. Drawing issued in it's entirety.

3.13 M601 – SCHEDULES – MECHANICAL

- A. Drawing issued in it's entirety.

3.14 E100 – SITE PLAN – ELECTRICAL

- A. Drawing issued in it's entirety.

3.15 E201 – SOFTBALL LOCKER ROOM – ELECTRICAL

A. Drawing issued in it's entirety.

3.16 E501 – RISER DIAGRAM – ELECTRICAL

A. Drawing issued in it's entirety.

3.17 E601 – SCHEDULES – ELECTRICAL

A. Drawing issued in it's entirety.

**PART 4 - OTHER ITEMS**

NONE

**PART 5 - QUESTIONS AND ANSWERS**

5.1 QUESTION: There is a spec 012300 Alternates in the table of contents, but there isn't an actual spec nor is there an alternate listed on the supplemental bid form. Per the drawings, it does look like there are at least 3 alternates. Will this spec get included in a future addendum along with an updated bid form?

A. Yes, the alternates spec section and the updated bid form are included as part of this addendum.

5.2 Question: Is the Architectural gateway supposed to be in the base bid or will it only need to be installed if addendum 2 is accepted?

A. The gateway itself is an alternate. The alternate spec section is being issued as part of this addendum and will help clarify.

5.3 Question: Can you confirm that details 4, 6, 7, 8, 9, and 10 on L600 are for the Noblesville East MS Site Buildings project and do not apply to this project?

A. Yes, those details only apply to the East Middle project.

5.4 Question: Elevation Note 1 on A301 calls for "Brick Type 1". Does note 1 refer to 042000, 2.02D1a1 and note 2 refer to 042000, 2.02D1a2?

A. Yes, Note 1 refers to 2.02.D.1.a.1 which is the Field: County Materials Corporation, Heritage Collection, Granite Rose Blend and Note 2 refers to 2.02.D.1.a.2 which is the Accent/Base: County Materials Corporation, Heritage Collection, Dove Gray N/F

5.5 Question: Detail 5/A301 is the only information on the entry gate signage that I see. What size concrete foundation do the columns require? How does the Gate Signage attach to the columns?

A. These details have been added to the structural drawings as part of this addendum.

- 5.6 Question: Are the 24" "N"s only on 1 side of the Entry Gateway Signs or both sides?
- A. The "N"s are only on one side of the column and they are on the north side that faces the parking lot so you see them as you approach the facility.
- 5.7 Question: Detail 4/A302 appears to show a window sill at the window, but it is not labeled. Do the windows need window sills? If so, what material?
- A. Yes, that is a window stool and it should be SS2 (solid surface) listed in the finish schedule.
- 5.8 Question: The details on A302 nor spec 072100 gives information on the attic insulation required in this building. Do we need to furnish batt insulation or blown? We is the required R value of the insulation?
- A. It should be batt insulation and the required R-value is 38. This information has been added to the specification as part of this addendum
- 5.9 Question: Is cast stone acceptable for the stone cap on the Entry Gate Signage (5/A301)?
- A. Yes, cast stone that color matches the decorative CMU is acceptable for the stone cap.

**END ADDENDUM**

SECTION 00 42 01 - SUPPLEMENTARY BID FORM

FOR (PROJECT): NOBLESVILLE HIGH SCHOOL SOFTBALL SITE BUILDING

Noblesville High School  
18111 Cumberland Road  
Noblesville, Indiana 46060

TO (OWNER): Noblesville Schools  
18025 River Road  
Noblesville, IN 46062

BY (CONTRACTOR):

COMPANY NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CONTACT PERSON \_\_\_\_\_  
MOBILE PHONE \_\_\_\_\_  
EMAIL \_\_\_\_\_

BID SUBMISSION CHECKLIST:

Each Bid shall contain the following documents for consideration as a complete bid:

- 00 41 00 Completed Form 96 (1 Copy)
- 00 42 01 Completed Bid Form(s) (2 Copies)
- 00 43 00 Bid Bond (1 Copy)
- 00 45 13 Financial statements (1 Copy)

Pursuant to notices given, the undersigned proposes to complete the Work of the Project according to Bidding Documents prepared by CSO Architects, Inc., 8831 Keystone Crossing, Indianapolis, Indiana, for the sum of

BASE BID: \_\_\_\_\_  
(amount in words)

\$ \_\_\_\_\_

ADDENDA:

The undersigned acknowledges receipt of the following Addenda and agrees that this proposal includes all items mentioned in such Addenda:

No.(s) \_\_\_\_\_

ALLOWANCES:

The undersigned acknowledges that the base bid amount includes the following allowances:

Owner's Contingency Allowance: \$ \_\_\_\_\_

**ALTERNATE BIDS:**

**The undersigned also proposes to furnish or omit all labor and materials necessary to complete work as required by the "Alternate Bids", as provided for in the drawings and specifications as follows:**

**Alternate No. 1 – Masonry Entry With Decorative Metal Gate .**  
\_\_\_\_\_ **Add \$** \_\_\_\_\_.

**Alternate No. 2 – Bollard Lighting .**  
\_\_\_\_\_ **Add \$** \_\_\_\_\_.

**Alternate No. 3 – Site Pavement Area 1 .**  
\_\_\_\_\_ **Add \$** \_\_\_\_\_.

**Alternate No. 4 – Site Pavement Area 2 .**  
\_\_\_\_\_ **Add \$** \_\_\_\_\_.

**Alternate No. 5 – Site Pavement Area 3 .**  
\_\_\_\_\_ **Add \$** \_\_\_\_\_.

**Alternate No. 6 – Site Pavement Area 4 .**  
\_\_\_\_\_ **Add \$** \_\_\_\_\_.

**COMPLETION OF WORK:**

The undersigned guarantees, if awarded the contract, to complete the work not later than date(s) established in Section 01 10 00 SUMMARY OF WORK or other dates as indicated below. Indicate below which of the two schedule choices that is accounted for in this bid, or indicated an option date.

SUBSTANTIAL COMPLETION BY DECEMBER 31, 2025

**BIDDER'S SIGNATURE:**

IN TESTIMONY WHEREOF, the Bidder (an individual) has hereunto set his hand this

\_\_\_\_\_ day of \_\_\_\_\_, 202\_\_.

\_\_\_\_\_  
(Individual)

IN TESTIMONY WHEREOF, the Bidder (a firm) have hereunto set their hands this

\_\_\_\_\_ day of \_\_\_\_\_, 202\_\_.

Firm Name: \_\_\_\_\_



By \_\_\_\_\_

By \_\_\_\_\_

IN TESTIMONY WHEREOF, the Bidder ( a Corporation) has caused this proposal to be signed by its President and Secretary and affixed its corporate seal this

\_\_\_\_\_ day of \_\_\_\_\_, 202\_\_.

Name of Corporation: \_\_\_\_\_

President \_\_\_\_\_

Secretary \_\_\_\_\_

OATH AND AFFIRMATION:

I affirm under the penalties of perjury that the foregoing facts and information are true and correct to the best of my knowledge and belief.

Subscribed and sworn to before me by \_\_\_\_\_

this \_\_\_\_\_ day of \_\_\_\_\_, 202\_\_.

My Commission expires \_\_\_\_\_.

\_\_\_\_\_  
Notary Public

SECTION 01 23 00 – ALTERNATES

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

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

1.02 SUMMARY

- A. Section includes administrative and procedural requirements for alternates.

1.03 DEFINITIONS

- A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the bidding requirements that may be added to or deducted from the base bid amount if Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.

- 1. Alternates described in this Section are part of the Work only if enumerated in the Agreement.
- 2. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternate into the Work. No other adjustments are made to the Contract Sum.

1.04 PROCEDURES

- A. Coordination: Revise or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
  - 1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.
- B. Notification: Immediately following award of the Contract, notify each party involved, in writing, of the status of each alternate. Indicate if alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated revisions to alternates.
- C. Execute accepted alternates under the same conditions as other work of the Contract.
- D. Schedule: A schedule of alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION

3.01 SCHEDULE OF ALTERNATES

- A. Alternate No. 1: Masonry Entry With Decorative Metal Gate
  - 1. Base Bid: No work.
  - 2. Alternate: State the amount to be added to the base bid to include the masonry columns, decorative metal gate, and electrical work associated with the decorative entry gate. See architectural details 5/A301 and 6/A301
- B. Alternate No. 2: Bollard Lighting
  - 1. Base Bid: No work.
  - 2. Alternate: State amount to be added to the base bid to include additional installation of Light Fixture "FE", 36.2 inch tall, stainless steel bollards with integral driver as shown on E100 – Site Plan – Electrical.
- C. Alternate No. 3: Site Pavement Area 1
  - 1. Base Bid: No work
  - 2. Alternate: State amount to be added to the base bid to include additional demolition of existing asphalt path from drive to north existing fence line and replace with new concrete flatwork. See L102 for extents of path.
- D. Alternate No. 4: Site Pavement Area 2
  - 1. Base Bid: No work
  - 2. Alternate: State amount to be added to the base bid to include additional demolition of existing concrete path from existing north fence line to north face of existing building and replace with new concrete flatwork. See L102 for extents of path.
- E. Alternate No. 5: Site Pavement Area 3
  - 1. Base Bid: No work
  - 2. Alternate: State amount to be added to the base bid to include additional demolition of existing concrete path along backstop of north softball field to the existing east, 2-story building and replace with new concrete flatwork. See L102 for extents of path.
- F. Alternate No. 6: Site Pavement Area 4
  - 1. Base Bid: No work

***ADDENDUM #01***

2. Alternate: State amount to be added to the base bid to include additional demolition of existing concrete paths in plaza between north field bleachers and south field bleachers and replace with new concrete flatwork with decorative concrete logo. See L102 for extents of concrete in plaza.

END OF SECTION

SECTION 32 31 19 – DECORATIVE FENCING AND GATES

1.1 WORK INCLUDED

- A. Ornamental Fencing:
  - 1. Furnish and install all exterior fences and gates as indicated in or implied by the Contract Documents, including pickets, rails, posts, footings, gates, fasteners, and accessories required for a complete and full system.
  - 2. Plans include a 20' wide Opening building-to-building that shall be ornamental fencing. Of that opening, 17' wide double-swing Gate condition shall be accommodated.
- B. **Decorative Aluminum Screen Fencing:**
  - 1. **Furnish and install all exterior screen fences and gates as indicated in or implied by the Contract Documents, including pickets, rails, posts, footings, gates, fasteners, and accessories required for a complete and full system.**
- C. Related Work:
  - 1. Division 03 "Cast-in-Place Concrete" for site cast-in-place concrete walls and stairs.
  - 2. Division 31 "Earth Moving" for excavation, filling, and rough grading and for subsurface aggregate drainage and drainage backfill materials.
  - 3. Division 32 "Concrete Paving" for flatwork requirements

1.2 WORK NOT INCLUDED

- A. Access Management Controls and Egress Hardware:
  - 1. Access management controls to be provided by owner.

1.3 QUALITY ASSURANCE

- A. Provide option to match architectural patio and balcony railings. Refer to Architecture Plans and Specifications
- B. General: Any discrepancy noted between Specifications, Plan drawings, and Details shall default to the greater quantity, material, or structural requirement.
- C. Industry Standards:
  - 1. ASTM D1654 - Test Method for Evaluation of Painted or Coated Specimens Subjected to Corrosive Environments.
  - 2. ASTM D523 - Test Method for Specular Gloss.
  - 3. ASTM D822 - Weatherability of Powder Coatings
  - 4. ASTM D2794 - Test Method for Resistance of Organic Coatings to The Effects of Rapid Deformation (Impact).
  - 5. ASTM D3359 - Test Method for Measuring Adhesion by Tape Test.
  - 6. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy Coated (Galvannealed) by the Hot Dip Process
  - 7. ASTM A1011/A1011M - Standard Specification for Steel, Sheet and Strip, Hot-Rolled, Carbon, Structural, High-Strength and High-Strength Low-Alloy with Improved Formability

8. ASTM A36/A500 - Standard Specification Carbon Structural Steel and Cold-Formed Welded & Seamless Carbon Steel Tubing

#### 1.4 SUBMITTALS

- A. Before any of the materials of this Section are delivered to the job site, submit product literature and shop drawings to the Landscape Architect.
- B. Shop Drawings shall include:
  1. Manufacturing and Installation details.
  2. Typical Fence and Gate Elevations.
  3. Gate Hardware components.
  4. Full Dimensional data.
- C. Product Data: Manufacturer's cuts indicating material compliance and specified options.

#### 1.5 DELIVERY, STORAGE, AND HANDLING

- A. Fence panels, gates, posts, and accessories shall be delivered to the job site in packed cartons, fully protected from wear and abuse in transit.
- B. Each package shall be identified and shall bear the name of the Manufacturer.
- C. Store all materials in a secure and dry area.

#### 1.6 WARRANTY

- A. Fence System and Finishes:
  1. Ten (10) year warranty against defects in workmanship and materials, as well as cracking, chipping, or peeling of finishes.

### PART 2 - PRODUCTS

#### 2.1 ORNAMENTAL FENCING (**Fence and gate system in alcove between buildings**)

- A. Basis-of-design fencing:
  1. Manufacturer: Ameristar, Tulsa, OK, (800) 321-8724.
  2. Model: 'Escelon II' Majestic, 3-rail
  3. Format:
    - a. Ornamental Fence and Gate
      - 1) 6'-0" height
      - 2) Three-rail horizontal appearance
  4. Gates: As indicated or implied in Plans. Swing conditions.
  5. Metal gate post locations shall be validated during submittal and shop drawing process.
  6. Color: Black, as selected from manufacturer's full range of standard colors.
  7. Non-standard Gate Hardware: Coordinate access management and egress gate hardware as required by design with Owner and applicable trades as identified in the Plans and Specification.

8. Equals to be submitted prior to bidding. Manufacturer to have five (5) years experience manufacturing ornamental picket fencing.

B. Material

1. Material for fence panels and posts shall conform to the requirements of ASTM A653/A653M
  - a. Minimum yield strength: of 45,000 psi (310 MPa) and a
  - b. Minimum zinc (hot-dip galvanized) coating weight of 0.90 oz/ft<sup>2</sup> (276 g/m<sup>2</sup>),
  - c. Coating Designation: G-90.
  - d. Minimum of 50% of the material shall be derived from recycled scrap metal.
2. Material for picket and posts.
  - a. Picket spacing: 4" o.c. max, unless otherwise required by Code.
  - b. Fence posts: No less than 3" x 12 Ga. unless otherwise recommended by the Manufacturer for strength and durability in the proposed use condition.
  - c. Gate posts: No less than 4" x 12 Ga. unless otherwise recommended by the Manufacturer for strength and durability in the proposed use condition.
3. Manufactured fence system shall be capable of meeting all vertical load, horizontal load, and infill performance requirements for Industrial weight fences under ASTM F2408, plus any local and state code requirements in the State of Indiana.

C. FABRICATION

1. Pickets, rails and posts shall be pre-cut to specified lengths. Rails shall be pre-punched to accept pickets.
2. Aligned pickets and rails shall be joined at each picket-to-rail intersection by Ameristar's proprietary fusion welding process, thus completing the rigid panel assembly.
3. The manufactured panels and posts shall be subjected to an inline electrodeposition coating (E-Coat) process consisting of a multi-stage pretreatment/wash (with zinc phosphate), followed by a duplex application of an epoxy primer and an acrylic topcoat. The minimum cumulative coating thickness of epoxy and acrylic shall be 2 mils (0.058 mm). Meet or exceed the coating performance criteria of ASTM F2408).

- D. Setting: Provide concrete footings consisting of Portland Cement, ASTM C 150, aggregates ASTM C33, and clean water. Mix materials to obtain concrete with a minimum 28-day compressive strength of 3,500 psi, 1" maximum size aggregate, 4" maximum slump, and 5% to 7% entrained concrete consisting of Portland Cement, ASTM C 150, aggregates ASTM C33, and clean water. Meet or exceed minimum footing depths for local frost conditions, unless more restrictive language is called for in Plans or Specifications.

2.2 DECORATIVE ALUMINUM SCREEN FENCING (Equipment screening west of EMS Building)

A. Decorative Aluminum Fences: Fences made from aluminum extrusions.

1. **Basis-of-Design Product:** Subject to compliance with requirements, provide **Ametco Eclipse Inclined, flanged louver blade providing 100 percent visual blocking.** or comparable product by one of the following:
  - a. **Ametco Manufacturing Corporation**
  - b. **Alumi-Guard, Inc.**
  - c. **Ameristar Fence Products.**
  - d. **BetaFence, USA LLC.**
  - e. **Delair Group, L.L.C.**
  - f. **East & West Alum Craft Ltd.**
  - g. **Elegant Aluminum Products, Inc.**
  - h. **Elite Fence Products, Inc.**

- i. Ideal Aluminum Products.
- j. Iron Eagle Industries, Inc.
- k. Master Halco.
- l. Basteel Perimeter Systems

**B. Posts: Square extruded tubes.**

- 1. **Type: 3 x 3 inch [76 by 76 mm] extruded tubular aluminum sections with solid aluminum caps.**
- 2. **Length: As indicated on Drawings.**

**C. Fence Panel:**

- 1. **Fixed louver bars: Extruded aluminum louver bars, [1-31/32 inches] [50 mm] wide, spaced at [1-13/16 inches] [46 mm]. Extend louver flange to allow 100 percent direct visual screening.**
- 2. **Cross bars: [1/2 by 1/8 inch] [13 by 3 mm] flat bars welded perpendicular to back side of louver bars and spaced at [18 inches] [457 mm].**

**D. Fasteners: Stainless steel bolts of type, size, and spacing as recommended by fence manufacturer for specific condition.**

**E. Fabrication: Assemble fences into sections by welding pickets to rails.**

- 1. **Fabricate sections with clips welded to rails for field fastening to posts.**
- 2. **Drill clips for fasteners before finishing.**

**F. Finish exposed welds to comply with NOMMA Guideline 1, Finish #2 - completely sanded joint, some undercutting and pinholes okay**

**G. Finish: Baked enamel or powder coating.**

**2.21 SWING GATES**

**A. Provide gates of type and size indicated on Drawings. Equip gates with manufacturer's standard hardware as required for complete functional operation.**

**B. Type: Hinged swinging single gate.**

- 1. **Construction: Welded frame fabricated from extruded aluminum tubing with aluminum fixed louver panels to match fencing material.**
- 2. **Nominal width: 36 inches wide**

**C. Hardware**

- 1. **Hinges: Size and type as determined by manufacturer. Provide 2 hinges for each leaf up to [6 feet] [1829 mm] high and 1 additional hinge for each additional [24 inches] [610 mm] in height or fraction thereof.**
- 2. **Latch: [3/4 inch] [19 mm] diameter slide bolt to accommodate padlock.**



### PART 3 - EXECUTION

#### 3.1 SURFACE CONDITIONS

- A. Inspection:
1. Prior to all work of this Section, carefully inspect the installed work of all other trades and verify that all such work is complete to the point where this installation may properly commence.
  2. Remove any surface irregularities that may cause interference with the installation of the fence.
  3. Verify that all fences may be installed in accordance with all pertinent codes and regulations, the original design, and the referenced standards.
- B. Discrepancies:
1. Do not proceed with installations in areas of discrepancy until all such discrepancies have been fully resolved.
- C. Preparation
1. All installation shall be laid out by the contractor in accordance with the construction plans. Posts shall be evenly spaced.

#### 3.2 INSTALLATION

- A. Posts:
1. All posts shall be set in minimum 16" diameter x 48" deep hole. After posts have been plumbed vertical, hole shall be filled with poured concrete.
  2. Exposed surface of concrete shall be crowned to shed water. Contractor strongly recommended to prepare a mockup of this condition or have the first in-place footing inspected and approved prior to commencing work.
  3. Recheck vertical and top alignment of posts. Make any necessary corrections.
  4. Post spacing shall be on maximum 8'-0" centers, unless otherwise noted, and posts shall be evenly spaced between masonry columns and walls, respectively.
- B. Rails, Pickets, and Gates:
1. Install rails and pickets in strict accordance with manufacturer's instructions and using manufacturer's brackets. All components shall be plumb and level.
  2. Completed panels shall be capable of supporting a 300 lb. load (applied at midspan) without permanent deformation.
  3. All rail and upright intersections for gates shall be joined by welding.
  4. Install gates plumb, level and secure for full opening without interference.
  5. Attach gate hardware by means, which will prevent unauthorized removal.
  6. Install post caps and other accessories to complete fence
- C. Maintenance
1. When cutting or drilling rails or posts, adhere to the following steps to seal the exposed steel surfaces
    - a. Remove all metal shavings from cut area
    - b. Apply zinc-rich primer to thoroughly cover cut edge and/drilled hole; let dry
    - c. Apply 2 coats of custom finish paint matching fence color

3.3 ADJUSTMENT

- A. Adjust gates so that they are vertical, plumb, level, and secure for full opening without interference.

3.4 CLEANING

- A. Clean fence with mild household detergent and clean water. Rinse well. Any concrete shall be removed using a 10% solution of muriatic acid, or other manufacturer approved cleaner, followed immediately by several rinses with clean water.

END OF SECTION