**DOCUMENT 00 90 00**
**ADDENDUM**

**ADDENDUM:** 2

**DATE:** JANUARY 13, 2026

**PROJECT:** VILLAGE OF TREMPEALEAU
TREMPEALEU PARK SHELTER - REBID
24016 12TH STREET
TREMPEALEAU, WISCONSIN 54661
PROJECT NO. 25013

**FROM:** HSR Associates, Inc
100 Milwaukee Street
La Crosse, WI 54603
(608) 784-1830

**TO:** Prospective Bidders

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This addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated DECEMBER 2025. Acknowledge receipt of this Addendum in the space provided on the bid form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of: 2 PAGES, 1 DOCUMENT, 5 SECTIONS, and 2 DRAWINGS.

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**CHANGES TO INTRODUCTORY INFORMATION AND BIDDING REQUIREMENTS:**

1. Document 00 41 00 Bid Form
   a. See the revised document included in this addendum. Disregard the previous version.
   b. Revised page 2 to add spaces to enter unit price information.

**CHANGES TO GENERAL REQUIREMENTS:**

2. Section 01 45 33 Statement of Special Inspections
   a. See the new section included in this addendum.

**CHANGES TO SPECIFICATIONS:**

3. Section 06 73 00 Composite Decking
   a. See the revised section included in this addendum. Disregard the previous version.
   b. Revised 2.01 B.9. to specify the intended color: Trex, Transend, Island Mist.
4. Section 07 62 00 Sheet Metal Flashing and Trim
   a. See the revised section included in this addendum. Disregard the previous version.
   b. Removed paragraph 2.02. See Section 07 41 13 for requirements for metal soffit.
5. Section 08 51 13 Aluminum Windows
   a. See the revised section included in this addendum. Disregard the previous version.
   b. Revisions throughout.

6. Section 08 80 00 Glazing
    a. See the new section included in this addendum.

**CHANGES TO DRAWINGS**

7. Sheet C300 UTILITY PLAN 30"x42"
    a. See the revised sheet included in this addendum. Disregard the previous version.
    b. See clouded changes regarding water utility connection.
8. Sheet C400 DETAILS 30"x42"
    a. See the revised sheet included in this addendum. Disregard the previous version.
    b. See clouded changes regarding concrete paving reinforcing.

**END OF DOCUMENT 00 90 00**

**DOCUMENT 00 41 00**
**BID FORM**

**BIDDER:** _____

**BID TYPE:** SINGLE PRIME CONTRACT

**PROJECT:** VILLAGE OF TREMPEALEAU
TREMPEALEAU PARK SHELTER - REBID
24016 12TH STREET
TREMPEALEAU, WISCONSIN 54661
PROJECT NO. **25013**
DATE OF PROJECT MANUAL: DECEMBER 2025

**OWNER:** VILLAGE OF TREMPEALEAU
24455 3RD ST.
TREMPEALEAU, WISCONSIN 54661

## BASE BID

The undersigned, having examined the site where the Work is to be executed and become familiar with local conditions affecting the cost of the Work and carefully examined the Project Manual, the Project Drawings, all other Bidding Documents and Addenda thereto prepared by the AE, HSR Associates, Inc., hereby agrees to provide all labor, materials, equipment and services necessary for the complete and satisfactory execution of the ENTIRE WORK, in the time frame stipulated in these contract documents, for the Base Bid stipulated sum of:

_____

_____Dollars ($_____.00)

## ALTERNATE BIDS

The undersigned further agrees to perform the alternative portions of the Work as described in the Project Manual, Section 01 23 00 Alternates, for the following additions to or deductions from the Base Bid sum stipulated above:

Alternate No. 1 (Masonry Veneer at Column Bases)

Add _____ Dollars ($_____.00)

Alternate No. 2 (Kitchen Hood and Ansul System)

Add _____ Dollars ($_____.00)

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**UNIT PRICES**

The undersigned agrees to add or deduct portions of the Work from the Contract as described in the Project Manual, Section 01 22 00 Unit Prices, for the following Unit Price amounts:

| Item | Reference Section | Unit Price | Quantity included in Lump Sum Base Bid |
|---|---|---|---|
| UP-1 Over Excavation of Unsuitable Soils | 31 20 00 | $_____ / cubic yard | 30 / cubic yards |
| UP-2 Compacted Granular Fill | 31 20 00 | $_____ / cubic yard | 30 / cubic yards |

**BIDDER'S CHOICE SUBSTITUTIONS**

The following Bidder's Choice Substitution is proposed for your consideration subject to the requirements set forth in Document 00 22 13 Supplementary Instructions to Bidders, Subparagraph 3.3.4:

Substitution No.: Click or tap here to enter text.

For substituting: _____

_____

Type, Brand, Catalog No.: _____

Manufacturer:_____

Deduct from BASE BID _____ Dollars ($_____.00)

Substitution No.: Click or tap here to enter text.

For substituting: _____

_____

Type, Brand, Catalog No.: _____

Manufacturer:_____

Deduct from BASE BID _____ Dollars ($_____.00)

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In submitting this Bid, the undersigned agrees to:

1. Hold this Bid open for **30** days.
2. Accept the provisions of Instructions to Bidders regarding disposition of Bid Security.
3. Enter into and execute an Agreement, if awarded on the basis of this Bid, and to furnish Performance and Labor and Material Payment Bonds according to the Supplementary Conditions.
4. Accomplish work according to the Contract Documents.
5. Complete the work by the time stated in Section 01 10 00 Summary of the Work.

Receipt of the following Addenda and inclusion of their provisions in this Bid is hereby acknowledged:

Addendum No._____ Dated_____

Addendum No._____ Dated_____

Addendum No._____ Dated_____

Addendum No._____ Dated_____

Attached hereto are the required:

☐ Bid Security

☐ 00 45 13 Certificate of Organization and Authority

☐ 00 45 19 Non-Collusive Affidavit

Affix Corporate Seal (if corp.)

FIRM NAME: _____

Title: _____

By: _____

Title: _____

Date: _____

Official Address: _____

Telephone: _____

**END OF DOCUMENT 00 41 00**

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# Appendix C
# Statement of Special Inspections

Project: Trempealeau Park Shelter
Project Address: 24016 12th Street Trempealeau, WI 54661
Permit Applicant:
Applicant Address:
Owner: Village of Trempealeau
Owner Address: 24455 3rd St. Trempealeau, Wisconsin 54661

**Registered Design Professional in Responsible Charge (RDPRC):**

| Discipline | Name | License Number | Expiration Date |
|---|---|---|---|
| Structural Engineer | Chad Allen | 37997-6 | 2026-07-31 |
| Geotechnical Engineer | | | |
| Mechanical Engineer | | | |
| Electrical Engineer | | | |
| Architect | Michelle Maland | 12071-5 | 2026-07-01 |

This Statement of Special Inspections includes a *Schedule of Special Inspections* applicable to the above referenced project as well as the identity of the individuals, agencies, or firms intended to be retained for conducting these inspections.

The Special Inspector(s) shall keep records of all inspections and shall furnish interim inspection reports to the Authority Having Jurisdiction (AHJ) and to the Registered Design Professional in Responsible Charge (RDPRC). Discrepancies shall be brought to the immediate attention of the Contractor for correction. If the discrepancies are not corrected, the discrepancies shall be brought to the attention of the AHJ and the RDPRC prior to completion of that phase of work. A *Final Report of Special Inspections* documenting required special inspections and correction of any discrepancies noted in the inspections shall be submitted by each agent.

Inspection work shall be performed in accordance with the following codes and standards. Unless otherwise indicated within the Statement of Special Inspections, the applicable edition for all codes and standards shall be as follows.

| Work | In Accordance With |
|---|---|
| Building Code | 2021 International Building Code (IBC) |
| Seismic Criteria for Nonstructural Components | ASCE 7-16 |
| Standard Tests and Practices | ASTM International specifications |
| Concrete | ACI 318-19 and ACI 350-20 |
| Masonry | ACI 530-13 and ACI 530.1-13 |
| Structural Steel | AISC 360-16 and AISC 341-16 |
| Structural steel welding | AWS D1.1 Structural Welding Code - Steel |
| Aluminum welding | AWS D1.2 Structural Welding Code – Aluminum |
| Sheet steel welding | AWS D1.3 Structural Welding Code – Sheet Steel |
| Structural steel bolting | Research Council on Structural Connections Specification for Structural Joints Using High Strength Bolts, December 31, 2009 |
| Intumescent Fire-Resistive Coating | Association of the Wall and Ceiling Industry (AWCI) Technical Manual 12-B, Second Edition; Standard Practice for the Testing and Inspection of Field Applied Thin Film Intumescent Fire-Resistive Materials; an Annotated Guide |

| RDPRC - Structural | RDPRC - Civil/Geotechnical | RDPRC - Mechanical |
|---|---|---|
| RDPRC – Electrical | RDPRC - Architect | |

Owner's Acknowledgement:

Signature Date

Acceptance by Authority Having Jurisdiction:

Signature Date

Permit No.

Frequency of interim report submittals to AHJ:

□ 1 week □ 2 weeks □ Monthly □ Bi-Monthly □ At Completion □ Per attached Schedule

# Statement of Special Inspections
# (Schedule of Inspections)

The attached tables as listed below define the applicable Special Inspections and Procedures.

| | |
|---|---|
| Table 1 of 9 | Geotechnical Special Inspections |
| Table 2 of 9 | Structural Special Inspections |
| Table 3 of 9 | Architectural Special Inspections |
| Table 4 of 9 | Inspections for Special Cases |
| Table 5 of 9 | Testing for Special Inspections |
| Table 6 of 9 | Special Inspections for Seismic Resistance |
| Table 7 of 9 | Testing for Seismic Resistance |
| Table 8 of 9 | Special Inspections for Wind Resistance |
| Table 9 of 9 | Individual Inspection and Testing Agents |

The Seismic Design Category for the project is **A**.

The nominal design wind speed, $V_{asd}$, for the project is **108** mph (3 second gust) and the wind exposure category is **C**.

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| Schedule of Special Inspections - Table 1 of 9 (Geotechnical Special Inspections) | | | | | | |
|---|---|---|---|---|---|---|
| | Inspection | | | | | |
| | Building Code Reference | Other Reference | Frequency | | Remarks | Inspection Agent No. (see Table 9) |
| System or Material | | | Continuous | Periodic | | |
| **Soils** | | | | | | |
| Verify material below foundation is adequate to achieve design bearing capacity, free of loose, deleterious or foreign material. | 1705.6 | | | **X** (foundation excavation complete) | See Excavation and Fill for Structures specification section. | |
| Verify excavations for structures are extended to proper depth, proper size and material. | 1705.6 | | | **X** (foundation excavation complete) | | |
| Prior to placement of controlled fill, inspect subgrade and verify site is properly prepared. | 1705.6 | | | **X** (prior to placement of fill) | See Excavation and Fill for Structures specification section. | |
| Perform classification and testing of compacted fill material to verify compliance with specifications. | 1705.6 | | | **X** (during placement of fill) | See Excavation and Fill for Structures specification section. | |
| Verify materials, densities, and lift thicknesses during placement and compaction of controlled fill for foundations. Note the exception of Article 1705.6. | 1705.6 | | **X** | | See Excavation and Fill for Structures specification section. | |

| Schedule of Special Inspections - Table 2 of 9 (Structural Special Inspections) | | | | | | |
|---|---|---|---|---|---|---|
| **System or Material** | **Inspection** | | | | **Remarks** | **Inspection Agent No**. (see Table 9) |
| | **Building Code Reference** | **Other Reference** | **Frequency** | | | |
| | | | **Continuous** | **Periodic** | | |
| **Concrete (inspections not required for nonstructural concrete slabs supported directly on the ground)** | | | | | | |
| Reinforcing steel and prestressing tendon condition (free of oil, dirt and loose rust and that properly coated and/or sheathed) and placement. Verify size, spacing, bar clearances, cover, and adequate support to prevent displacement during concrete placement. Verify lap splices, mechanical splices, and embedment lengths. Verify dowels for work above are properly aligned and spaced to match other work. | 1705.3 | ACI 318 (Ch. 20)<br>ACI 318 (25.2-25.3)<br>ACI 318 (26.6.1-26.6.3 | | **X** (prior to closing of forms or delivery of concrete, for each placement) | | |
| Verify use of approved mix design(s). | 1705.3<br>1904.1 | ACI 318 (Ch. 19)<br>ACI 318 (26.4.3-26.4.4) | | **X** | RDPRC to approve contractor's proposed mix design prior to construction.<br>Inspector to verify from concrete delivery ticket that the appropriate mix has been provided prior to placement. | |
| Formwork shape, location, and dimensions of the concrete member being formed, construction joints properly prepared. | 1705.3 | ACI 318 (26.11.1.2(b) | | **X** (prior to delivery of concrete for each placement) | | |
| Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content test, and determine the temperature of the concrete. | 1705.3 | ASTM C31<br>ASTM C172<br>ACI 318 (26.12) | | **X** | Sampling and testing frequency shall be as indicated in the cast-in-place concrete specification. | |

| Schedule of Special Inspections - Table 2 of 9 (Structural Special Inspections) | | | | | | |
|---|---|---|---|---|---|---|
| | Inspection | | | | | |
| | Building Code Reference | Other Reference | Frequency | | Remarks | Inspection Agent No. (see Table 9) |
| System or Material | | | Continuous | Periodic | | |
| Concrete placement. | 1705.3 | ACI 318 (26.5.2) | **X** | | Verify that water added at the site does not exceed that allowed by the mix design. Verify conveying, depositing, and consolidation of concrete. Observe placement procedures for evidence of segregation, possible cold joints, displacement of reinforcing or forms, and proper support of embedded items, anchor bolts, etc. | |
| Concrete curing – maintain temperature and techniques. | 1705.3 | ACI 318 (26.5.3-26.5.5) | | **X** (during hot, cold, and windy conditions) | For wet-curing, check at the beginning of each day during 7 day curing period | |
| Verification of in-situ concrete strength prior to removal of forms and shores from elevated beams and slabs. | 1705.3 | ACI 318 (26.11.2) | | **X** (prior to form or shore removal) | | |
| Verification of in-situ concrete strength prior to backfilling against walls. | | | | **X** (prior to backfilling operations) | | |
| **Masonry for Occupancy Category I, II, or III Structures** | | | | | | |
| Verification of proportions for site-prepared mortar and grout. | 1705.4 | ACI 530.1 (2.1)<br>ACI 530.1 (2.6A)<br>ACI 530.1 (2.6B) | | **X** (at beginning of masonry construction and prior to grouting) | | |

| Schedule of Special Inspections - Table 2 of 9 (Structural Special Inspections) | | | | | | |
|---|---|---|---|---|---|---|
| **System or Material** | **Inspection** | | | | **Remarks** | **Inspection Agent No**. (see Table 9) |
| | **Building Code Reference** | **Other Reference** | **Frequency** | | | |
| | | | **Continuous** | **Periodic** | | |
| Verification of proportions of materials in premixed or preblended mortar and grout as delivered to the site. | | | | **X** (at beginning of masonry construction and prior to grouting) | RDPRC to approve contractor's proposed mix designs prior to construction.<br>Inspector to verify from grout delivery ticket that the appropriate mix has been provided prior to placement. | |
| Verification of slump flow and VSI as delivered to the site for self-consolidating grout. | 1705.4 | ACI 530.1 (1.5B.1.b.3) | **X** | | | |
| Verification of $f'_m$ and $f'_{AAC}$ prior to construction and for every 5000 square feet during construction. | 1705.4 | ACI 530.1 (1.4B) | | **X** | Verification by unit strength or prism testing, see masonry specification. | |
| Placement of masonry units and mortar joint construction. | 1705.4 | ACI 530.1 (3.3B) | | **X** (at beginning of masonry construction, once daily for each crew, and prior to grouting) | Inspect size, layout, bonding and placement of masonry units. Inspect construction of mortar joints including tooling and filling of head joints. | |
| Verification of size and location of structural elements. | 1705.4 | ACI 530.1 (3.3F) | | **X** (at beginning of masonry construction and prior to grouting) | | |
| Anchors grouted in masonry and anchorage of masonry to frames, structural members, and diaphragms including type, size, and location of anchors. | 1705.4 | ACI 530 (6.2) | | **X** (at beginning of masonry construction and prior to grouting) | | |

| Schedule of Special Inspections - Table 2 of 9 (Structural Special Inspections) | | | | | | |
|---|---|---|---|---|---|---|
| **System or Material** | **Inspection** | | | | **Remarks** | **Inspection Agent No**. (see Table 9) |
| | **Building Code Reference** | **Other Reference** | **Frequency** | | | |
| | | | **Continuous** | **Periodic** | | |
| Type, grade, and size of reinforcing steel. | 1705.4 | ACI 530 (6.1)<br>ACI 530.1 (2.4)<br>ACI 530.1 (3.4) | | **X** (when staged and prior to installation) | | |
| Verify grout space is clean prior to grouting. | 1705.4 | ACI 530.1 (3.2D)<br>ACI 530.1 (3.2F) | | **X** (prior to each grouting operation) | Verify that cells and starting beds are clean. | |
| Reinforcing steel and connector placement: verify size, spacing, surface condition, correct location, type of embedments. | 1705.4 | ACI 530 (6.1)<br>ACI 530.1 (3.2E)<br>ACI 530.1 (3.4) | | **X** (at beginning of masonry construction and prior to grouting) | Verify dowels and inserts are secured in place, particularly at roof lines, floor lines, and intersecting wall lines. | |
| Grout placement. | 1705.4 | ACI 530.1 (3.5) | **X** | | Verify that the grout lift height is in conformance with the code and specifications. Verify installation of cleanout closures. Verify that grouting operations are held below the top if keying is required for subsequent lifts, as required by code and specifications. Verify mechanical vibration during placement, and later during reconsolidation. Verify that curing requirements are being followed. | |
| Cold/hot weather masonry protection. | 1705.4 | ACI 530.1 (1.8C)<br>ACI 530.1 (1.8D) | | **X** (at beginning of each day's work) | When temperatures are expected to be below 40 degrees F or above 90 degrees F. | |
| Observe preparation of required grout specimens, mortar specimens, and/or prisms. | 1705.4 | ACI 530.1 (1.4) | | **X** | Verification by unit strength or prism testing, see masonry specification. | |

| Schedule of Special Inspections - Table 2 of 9 (Structural Special Inspections) | | | | | | |
|---|---|---|---|---|---|---|
| **System or Material** | **Inspection** | | | | **Remarks** | **Inspection Agent No**. (see Table 9) |
| | **Building Code Reference** | **Other Reference** | **Frequency** | | | |
| | | | **Continuous** | **Periodic** | | |
| **Steel** | | | | | | |
| Material verification of high strength bolts: Identification markings to conform to specified ASTM standards. | 1705.2.1 | Applicable ASTM material specifications<br>AISC 360 (A3.3)<br>AISC 360 (N3) | | **X** (3 bolts from each lot) | Verified at jobsite. | |
| Material verification of high strength bolts: Manufacturer's certificate of compliance. | 1705.2.1 | AISC 360 (A3.3)<br>AISC 360 (N3) | | **X** (each lot) | | |
| Material verification of structural steel: Identification markings to conform to specified ASTM standards. | 1705.2.1<br>2203.1 | AISC 360 (A3.1)<br>AISC 360 (N3) | | **X** (3 pieces from each lot) | Verified at fabricator’s shop prior to cutting. | |
| Material verification of structural steel: Certified mill test reports. | 1705.2.1<br>2203.1 | AISC 360 (A3.1)<br>AISC 360 (N3) | | **X** (each mill order) | | |
| Material verification of anchor rods and threaded rods: Manufacturer's certified test reports. | 1705.2.1 | AISC 360 (A3.4)<br>AISC 360 (N3) | | **X** (each lot) | | |
| Material verification of welding consumables: Identification markings to conform to specified AWS standards. | 1705.2.1 | AISC 360 (A3.5)<br>AISC 360 (N3)<br>AWS A5 documents | | **X** (3 rods from each lot) | Verified at fabricator’s shop and at jobsite. | |
| Material verification of welding consumables: Manufacturer's certificate of compliance. | 1705.2.1 | AISC 360 (A3.5)<br>AISC 360 (N3)<br>AWS D1.1 (6.2) | | **X** (each lot) | | |
| Verify use of proper WPS's. | 1705.2.1 | AISC 360 (N3)<br>AWS D1.1 (6.3) | | **X** (prior to start of work) | Obtain copy of welding procedure specifications. | |

| Schedule of Special Inspections - Table 2 of 9 (Structural Special Inspections) | | | | | | |
|---|---|---|---|---|---|---|
| **System or Material** | **Inspection** | | | | **Remarks** | **Inspection Agent No**. (see Table 9) |
| | **Building Code Reference** | **Other Reference** | **Frequency** | | | |
| | | | **Continuous** | **Periodic** | | |
| Verify welder qualifications. | 1705.2.1 | AISC 360 (N3)<br>AWS D1.1 (6.4) | | **X** (prior to start of each welder's work) | Obtain copy of qualification records. | |
| Complete and partial penetration groove welds. | 1705.2.1 | AISC 360 (N5.4)<br>AWS D1.1 (Section 6) | **X** | | Inspect pre-heat, post-heat and surface preparation between passes. | |
| Multipass fillet welds. | 1705.2.1 | AISC 360 (N5.4)<br>AWS D1.1 (Section 6) | **X** | | Inspect pre-heat, post-heat and surface preparation between passes. | |
| Single pass fillet welds greater than 5/16". | 1705.2.1 | AISC 360 (N5.4)<br>AWS D1.1 (Section 6) | **X** | | | |
| Plug and slot welds. | 1705.2.1 | AISC 360 (N5.4)<br>AWS D1.1 (Section 6) | **X** | | | |
| Single pass fillet welds less than or equal to 5/16". | 1705.2.1 | AISC 360 (N5.4)<br>AWS D1.1 (Section 6) | | **X** (observe once daily for each welder and visually inspect all welds at the completion of each weld) | | |

| Schedule of Special Inspections - Table 2 of 9 (Structural Special Inspections) | | | | | | |
|---|---|---|---|---|---|---|
| **System or Material** | **Inspection** | | | | **Remarks** | **Inspection Agent No**. (see Table 9) |
| | **Building Code Reference** | **Other Reference** | **Frequency** | | | |
| | | | **Continuous** | **Periodic** | | |
| Installation of steel form decking: Verify deck type, depth, and gage. | 1703.4.2<br>1705.1.1.3 | Manufacturer's research report | | **X** (when staged prior to installation, at completion, and as required by Mfr's research report) | | |
| Installation of steel roof decking: Verify deck depth and gage, powder actuated fasteners, screws, proprietary side seam attachments, and button punches. | 1703.4.2<br>1705.1.1.3 | Manufacturer's research report | | **X** (when staged prior to installation, at completion, and as required by Mfr's research report) | | |
| Floor and roof deck welds. | 1705.2.2 | SDI QA/QC inspection requirements | | **X** (observe once daily for each welder and visually inspect all welds at the completion of each weld) | | |
| Welding studs except in structural diaphragms. | 1705.2.1 | AWS D1.1 (Section 7.8) | **X** | | Visually inspect all studs per AWS D1.1 (Section 7.8). | |

| Schedule of Special Inspections - Table 2 of 9 (Structural Special Inspections) | | | | | | |
|---|---|---|---|---|---|---|
| **System or Material** | **Inspection** | | | | **Remarks** | **Inspection Agent No**. (see Table 9) |
| | **Building Code Reference** | **Other Reference** | **Frequency** | | | |
| | | | **Continuous** | **Periodic** | | |
| Welding studs in structural diaphragms. | 1705.2.1 | AWS D1.1 (Section 7.8) | | **X** (observe once daily for each welder and visually inspect all welds at the completion of each weld) | | |
| Welding stair and railing systems. | 1705.2.1 | AWS D1.1 (Section 6.9) | | **X** (observe once daily for each welder and visually inspect all welds at the completion of each weld) | Welding of the railing system required only at the base of cantilevered rail posts. | |
| Observe high strength bolt preinstallation testing and calibration procedures. | 1705.2.1 | AISC 360 (N5.6) RCSC Specification for Structural Joints Using High-Strength Bolts (Section 7) | | **X** (3 complete fastener assemblies of each combination of diameter, length, grade, and lot to be used in the work) | Test in a tension calibrator at the site. Required pretension is equal to or greater than 1.05 times that specified for installation. Verify accuracy of the tension calibrator has been confirmed through calibration within previous 12 months. | |

| Schedule of Special Inspections - Table 2 of 9 (Structural Special Inspections) | | | | | | |
|---|---|---|---|---|---|---|
| **System or Material** | **Inspection** | | | | **Remarks** | **Inspection Agent No**. (see Table 9) |
| | **Building Code Reference** | **Other Reference** | **Frequency** | | | |
| | | | **Continuous** | **Periodic** | | |
| Snug-tight high strength bolt installation: All connections visually inspected. Connected materials drawn together and properly snugged. | 1705.2.1 | AISC 360 (M2.5)<br>AISC 360 (N5.6)<br>RCSC Specification for Structural Joints Using High-Strength Bolts (Section 9) | | **X** (observe once daily for each bolting crew and at completion of assembly installation) | | |
| Verification of frame joint details including application, component locations, bracing, and stiffening, proper application of joint details at each connection. | 1705.2.1 | AISC 360 (N5.7) | | **X** (at 50% complete and 100% complete, for each structure) | | |
| **Cold-Formed Steel Framing** | | | | | | |
| Material verification of weld filler metals: Identification markings to conform to specified AWS standards. | | AWS D1.3 (Section 6) | | **X** (3 rods from each lot) | Checked at fabricator's shop and at jobsite. | |
| Material verification of welding consumables: Manufacturer's certificate of compliance. | | AWS D1.3 (Section 6) | | **X** (each lot) | | |
| Verify use of proper WPS's. | | AWS D1.3 (Section 6) | | **X** (prior to start of work) | Obtain copy of welding procedure specifications. | |
| Verify welder qualifications. | | AWS D1.3 (Section 6) | | **X** (prior to start of each welder's work) | Obtain copy of qualification records. | |

| Schedule of Special Inspections - Table 2 of 9 (Structural Special Inspections) | | | | | | |
|---|---|---|---|---|---|---|
| **System or Material** | **Inspection** | | | | **Remarks** | **Inspection Agent No**. (see Table 9) |
| | **Building Code Reference** | **Other Reference** | **Frequency** | | | |
| | | | **Continuous** | **Periodic** | | |
| Welded framing connections. | | AWS D1.3 (Section 6) | | **X** (observe once daily for each welder and visually inspect all welds at the completion of each weld) | | |
| **Post-Installed Anchors – Expansion and Undercut Anchors into Concrete** | | | | | | |
| Verify anchor type, size, dimensions, location, spacing, edge distance, drill bit type, drill bit diameter, embedment depth, tightening torque, hole dimensions, hole cleaning procedure, concrete compressive strength, concrete thickness, and adherence to the manufacturer's installation instructions. | 1705.3<br>1703.4.2<br>1705.1.1 | Manufacturer's research report | | **X** | Continuous inspection is required if mandated by manufacturer's research report. | |
| **Post-Installed Anchors – Adhesive Anchors into Concrete** | | | | | | |
| Adhesive anchors installed in overhead, upwardly inclined, or horizontal positions: Verify anchor type, size, dimensions, location, spacing, edge distance, embedment depth, tightening torque, hole dimensions, hole cleaning procedure, concrete compressive strength, concrete thickness, adhesive identification, adhesive expiration date, and adherence to the manufacturer's installation instructions. | 1705.3<br>1703.4.2<br>1705.1.1 | Manufacturer's research report | **X** | | | |

| Schedule of Special Inspections - Table 2 of 9 (Structural Special Inspections) | | | | | | |
|---|---|---|---|---|---|---|
| | Inspection | | | | | |
| | Building Code Reference | Other Reference | Frequency | | Remarks | Inspection Agent No. (see Table 9) |
| System or Material | | | Continuous | Periodic | | |
| Adhesive anchors installed in other positions: Verify anchor type, size, dimensions, location, spacing, edge distance, embedment depth, tightening torque, hole dimensions, hole cleaning procedure, concrete compressive strength, concrete thickness, adhesive identification, adhesive expiration date, and adherence to the manufacturer's installation instructions. | 1705.3<br>1703.4.2<br>1705.1.1 | Manufacturer's research report | | **X** | Inspection required at start of job for each type and size of adhesive anchor by construction personnel on site. Subsequent installations of the same anchor type and size by the same personnel shall be inspected periodically, unless continuous inspections are mandated by the manufacturer's research report. Any change in the anchor product being installed or the personnel performing the installation shall require another initial inspection. | |
| **Post-Installed Anchors – Expansion Anchors into Grouted Masonry** | | | | | | |
| Verify anchor type, size, dimensions, location, spacing, edge distance, drill bit type, drill bit diameter, embedment depth, tightening torque, hole dimensions, hole cleaning procedure, masonry compressive strength, masonry thickness, mortar type, and adherence to the manufacturer's installation instructions. | 1703.4.2<br>1705.1.1 | Manufacturer's research report | | **X** | Continuous inspection is required if mandated by the manufacturer's research report. | |

| Schedule of Special Inspections - Table 2 of 9 (Structural Special Inspections) | | | | | | |
|---|---|---|---|---|---|---|
| **System or Material** | **Inspection** | | | | **Remarks** | **Inspection Agent No.** (see Table 9) |
| | **Building Code Reference** | **Other Reference** | **Frequency** | | | |
| | | | **Continuous** | **Periodic** | | |
| **Post-Installed Anchors – Adhesive Anchors into Grouted Masonry** | | | | | | |
| Verify anchor type, size, dimensions, location, spacing, edge distance, embedment depth, tightening torque, hole dimensions, hole cleaning procedure, masonry compressive strength, masonry thickness, adhesive identification, adhesive expiration date, and adherence to the manufacturer's installation instructions. | 1703.4.2<br>1705.1.1 | Manufacturer's research report | | **X** | Inspection required at start of job for each type and size of adhesive anchor by construction personnel on site. Subsequent installations of the same anchor type and size by the same personnel shall be inspected periodically. Any change in the anchor product being installed or the personnel performing the installation shall require another initial inspection. Continuous inspection is required if mandated by the manufacturer's research report. | |
| **Post-Installed Anchors – Adhesive Anchors into Hollow Masonry** | | | | | | |
| Verify anchor type, size, dimensions, location, spacing, edge distance, embedment depth, tightening torque, hole dimensions, hole cleaning procedure, masonry compressive strength, masonry thickness, screen tube type and size, adhesive identification, adhesive expiration date, and adherence to the manufacturer's installation instructions. | 1703.4.2<br>1705.1.1 | Manufacturer's research report | | **X** | Inspection required at start of job for each type and size of adhesive anchor by construction personnel on site. Subsequent installations of the same anchor type and size by the same personnel shall be inspected periodically. Any change in the anchor product being installed or the personnel performing the installation shall require another initial inspection. Continuous inspection is required if mandated by the manufacturer's research report. | |

| Schedule of Special Inspections - Table 3 of 9 (Architectural Special Inspections) |
|---|
| NOT USED |

| Schedule of Special Inspections - Table 4 of 9 (Inspections for Special Cases) |
|---|
| NOT USED |

| Schedule of Special Inspections - Table 5 of 9 (Testing for Special Inspections) | | | | | |
|---|---|---|---|---|---|
| | Testing | | | | |
| **System or Material** | **Building Code Reference** | **Other Reference** | **Frequency** | **Remarks** | **Testing Agent No**. (see Table 9) |
| **Geotechnical** | | | | | |
| Classification of controlled fill material. | 1705.6 | ASTM D2488 | One per stratum of on-site excavated material. One per common supply of off-site material. | See Excavation and Fill for Structures specification section. | |
| Foundation subgrade, in-place density. | 1705.6 | ASTM D2922<br>ASTM D1556 or ASTM D2167 (10% of tests to be ASTM D1556 or ASTM D2167) | One test per 1,000 SY, or as required in the excavation and fill for structures specification. Min one per foundation for foundations over 10 SY. | See Excavation and Fill for Structures specification section. | |
| Controlled fill beneath foundations, in-place density. | 1705.6 | ASTM D2922<br>ASTM D1556 or ASTM D2167 (10% of tests to be ASTM D1556 or ASTM D2167) | One test per 200 CY, or as required in the excavation and fill for structures specification. Min one per foundation for foundations over 10 SY. | See Excavation and Fill for Structures specification section. | |
| **Concrete** | | | | | |
| Concrete strength | 1705.3 | ASTM C31<br>ASTM C39<br>ASTM C172 | See concrete specification. | See concrete specification for quantity of cylinders. | |

| Schedule of Special Inspections - Table 5 of 9 (Testing for Special Inspections) | | | | | |
|---|---|---|---|---|---|
| | Testing | | | | |
| **System or Material** | **Building Code Reference** | **Other Reference** | **Frequency** | **Remarks** | **Testing Agent No.** (see Table 9) |
| Concrete slump, air content, temperature, unit weight, water soluble chloride ion, shrinkage. | 1705.3 | ASTM C31<br>ASTM C138<br>ASTM C143<br>ASTM C157<br>ASTM C172<br>ASTM C231<br>ASTM C1064<br>ASTM C1218 | See concrete specification. | | |
| **Masonry** | | | | | |
| Unit strength | 2105.1 | ASTM C140 | See masonry specification. | | |
| Mortar strength. | 2105.1 | ASTM C270 | See masonry specification. | | |
| Grout strength. | 2105.1 | ASTM C1019 | See masonry specification. | | |
| Prism strength | 2105.1 | ASTM C1314 | See masonry specification. | Partially grouted walls require a set of tests for both the grouted and ungrouted conditions. | |

| Schedule of Special Inspections - Table 6 of 9 (Special Inspections for Seismic Resistance) |
|---|
| NOT USED |

| Schedule of Special Inspections - Table 7 of 9 (Testing for Seismic Resistance) |
|---|
| NOT USED |

| Schedule of Special Inspections - Table 8 of 9 (Special Inspections for Wind Resistance) | | | | | | |
|---|---|---|---|---|---|---|
| | Inspection | | | | | Inspection Agent No. (See Table 9) |
| | | | Frequency | | | |
| **System or Material** | **Building Code Reference** | **Other Reference** | **Continuous** | **Periodic** | **Remarks** | |
| Roof covering, roof deck, and roof framing connections. | 1705.11.3 | | | **X** (after installation for each structure) | | |
| Exterior wall covering and wall connections to roof and floor diaphragms and framing. | 1705.11.3 | | | **X** (after installation for each structure) | | |

| Schedule of Special Inspections - Table 9 of 9 (Individual Inspection and Testing Agents) | | | | | |
|---|---|---|---|---|---|
| **NAME** | **LICENSE NO.** | **FIRM** | **ADDRESS** | **EMAIL** | **PHONE NO.** |
| 1. | | | | | (  ) |
| 2. | | | | | (  ) |
| 3. | | | | | (  ) |
| 4. | | | | | (  ) |
| 5. | | | | | (  ) |
| 6. | | | | | (  ) |
| 7. | | | | | (  ) |
| 8. | | | | | (  ) |
| 9. | | | | | (  ) |
| 10. | | | | | (  ) |

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## SECTION 06 73 00
## COMPOSITE DECKING

### PART 1 GENERAL

### 1.01 SECTION INCLUDES

A. Plastic composite decking.

### 1.02 RELATED REQUIREMENTS

A. Section 06 10 00 - Rough Carpentry: Supporting assemblies.

### 1.03 DEFINITIONS

A. Composite Materials: Materials made from two or more constituent materials with significantly different physical or chemical properties that, when combined, produce materials with characteristics different from the individual components.

B. Plastic Composites, or Wood-Plastic Composites: Composite materials made primarily from wood- or cellulose-based materials and plastics.

### 1.04 REFERENCE STANDARDS

A. ANSI A326.3 - American National Standard Test Method for Measuring Dynamic Coefficient of Friction of Hard Surface Flooring Materials; 2021.

B. ANSI/ACMA/PIC (CSP) - Code of Standard Practice, Industry Guidelines for Fabrication and Installation of Pultruded FRP Structures; 2011 (Reapproved 2012).

C. ASTM D7032 - Standard Specification for Establishing Performance Ratings for Wood-Plastic Composite and Plastic Lumber Deck Boards, Stair Treads, Guards, and Handrails; 2021.

D. ICC (IBC) - International Building Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

### 1.05 SUBMITTALS

A. See contract Conditions and General Requirements for procedures.

B. Provide submittal transmittals that include all submittal items identified in each submittal group below.

C. Review Submittals: Preparatory:
   1. Product Data: Manufacturer's published product literature.
   2. Shop Drawings - Plastic Composite Decking: For each system; indicate:
      a. Plans and Sections: Include elevations and dimensions, indicating locations of members and connections.

D. Review Submittals - Samples:
   1. Samples: Submit two samples of plank 12 in length, indicating specified texture and finish.

E. Information Submittals - Preparatory:
   1. Manufacturer's Instructions: Manufacturer's published installation instructions.

F. Closeout Submittals:
   1. Warranty Documentation: Submit documentation of the manufacturer's warranty.

### 1.06 DELIVERY, STORAGE, AND HANDLING

A. Deliver materials to project site in original, unbroken packages, or bundles bearing label of manufacturer and component identification markings.

B. Store adhesives at minimum ambient temperature of 70 degrees F and maximum 85 degrees F, in ventilated area, and as required by manufacturer's instructions.

## 1.07 WARRANTY

A. Section Specific Warranty: Provide manufacturer's standard warranty as described in this section. Document the warranty as defined under the Submittals heading of this section.
   1. Manufacturer Warranty: Provide manufacturer's standard limited warranty for products. Complete forms in Owner's name and register with manufacturer.

# PART 2 PRODUCTS

## 2.01 PLASTIC COMPOSITE DECKING

A. Manufacturers:
   1. AZEK Building Products, Inc: www.azek.com.
   2. DuxxBak Composite Decking: www.duxxbakdecking.com.
   3. MoistureShield, an Oldcastle brand: www.moistureshield.com.
   4. Trex Company, Inc: www.trex.com.
   5. Substitutions: See contract Conditions and General Requirements for requirements.

B. Plastic Composite Decking: Extruded thermoplastic composite decking boards; for exterior applications where ICC (IBC) permits combustible construction; complying with ASTM D7032.
   1. Shell: Fully enclosed.
   2. Filler: Inorganic.
   3. Deck Board Size: 7/8 inch by 3-1/8 inches.
   4. Fascia Board Size: 3/4 inch by 7-1/4 inches.
   5. Board Edges: Manufacturer's standard.
   6. Board Side Profile: Manufacturer's standard.
   7. Deck Board Slip Resistance - Dynamic Coefficient of Friction (DCOF) (Wet): Minimum of 0.42, when tested in accordance with ANSI A326.3.
   8. Finish: Manufacturer's standard finish; in compliance with specified slip resistance requirements.
   9. Color: Match Trex Transcend Island Mist

C. Fabrication:
   1. Provide labeling on deck boards or packaging indicating compliance with ASTM D7032; include labeling data indicating deck board span rating.

D. Accessories:
   1. Manufacturer's standard fasteners and anchorage devices.

## 2.02 ACCESSORIES:

A. Manufacturer's standard fasteners and anchorage devices.

B. Adhesives: Structural grade adhesives as recommended by manufacturer.

# PART 3 EXECUTION

## 3.01 EXAMINATION - GENERAL

A. Verify dimensions, tolerances, and interfaces with related work; verify location of supporting assemblies.

B. Examine field conditions to confirm that building lines, grades, and elevations will allow proper installation of decking.

## 3.02 INSTALLATION - GENERAL

A. See Section 06 10 00 for installation of wood bearing support assemblies.

## 3.03 INSTALLATION - PLASTIC COMPOSITE DECKING

A. Install decking, treads, and riser cladding in accordance with manufacturer's published instructions, subject to conditions of its evaluation report.

## 3.04 TOLERANCES

A. Install decking complying with installation tolerances indicated in ANSI/ACMA/PIC (CSP).

### 3.05 PROTECTION

A. Protect installed decking from subsequent construction operations.

**END OF SECTION**

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## SECTION 07 62 00

## SHEET METAL FLASHING AND TRIM

### PART 1 GENERAL

### 1.01 SECTION INCLUDES

A. Fabricated sheet metal items, including flashings, counterflashings, gutters, downspouts, and exterior penetrations.

B. Sealants for joints within sheet metal fabrications.

### 1.02 RELATED REQUIREMENTS

A. Applicable provisions of Division 1 govern the work of this section.

B. Section 07 41 13 Metal Roof Panels: Requirements for providing roofing, roof edge, soffit, and materials (by reference) for gutter, downspout and other color matched items.

C. Section 07 53 00 - Elastomeric Membrane Roofing: Roofing system membrane flashings.

### 1.03 REFERENCE STANDARDS

A. AAMA 2605 - Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels (with Coil Coating Appendix); 2022.

B. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2023.

C. ASTM A666 - Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar; 2023.

D. ASTM B209/B209M - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate; 2021a.

E. ASTM C920 - Standard Specification for Elastomeric Joint Sealants; 2018.

F. ASTM D4586/D4586M - Standard Specification for Asphalt Roof Cement, Asbestos-Free; 2007 (Reapproved 2018).

G. SMACNA (ASMM) - Architectural Sheet Metal Manual; 2012.

### 1.04 SUBMITTALS

A. See contract Conditions and General Requirements for procedures.

B. Provide submittal transmittals that include all submittal items identified in each submittal group below.

C. Review Submittals - Preparatory:
   1. Product Data: Provide manufacturer's data sheet for sheet material.
   2. Gutter style.
   3. Calculations showing determination of gutter size.

D. Review Submittals - Samples:
   1. If Section 07 41 13 is included in the project manual, it is permissible to send one set of samples that applies to both sections. Note the applicability of the sample to both sections on the cover page of the submittal.
   2. Selection Samples: Submit manufacturer's color sample set for selection by AE.
   3. Confirmation Samples: Submit two samples 6 by 6 inches in size illustrating metal finish color.

E. Closeout Submittals:
   1. Warranty Documentation: Submit documentation the manufacturer's warranty.

### 1.05 QUALITY ASSURANCE

A. Perform work in accordance with SMACNA (ASMM) requirements and standard details, except as otherwise indicated.

B. Fabricator and Installer Qualifications: Company specializing in sheet metal work with 3 years of documented experience.

### 1.06 DELIVERY, STORAGE, AND HANDLING

A. Stack material to prevent twisting, bending, and abrasion, and to provide ventilation. Slope metal sheets to ensure drainage.

B. Prevent contact with materials that could cause discoloration or staining.

### 1.07 WARRANTY

A. See Contract Conditions and General Requirements for additional information regarding documenting warranties.

B. Section Specific Warranty: Provide manufacturer's standard warranty as described in this section. Document the warranty as defined under the Submittals heading of this section.
   1. Manufacturer's 20 year warranty on flashing finish.

## PART 2 PRODUCTS

### 2.01 SHEET MATERIALS

A. Pre-Finished Aluminum: ASTM B209/B209M, 3005 alloy, H12 or H14 temper; 18 gauge, 0.040 inch thick; plain finish shop pre-coated with silicone modified polyester coating.
   1. Polyvinylidene Fluoride (PVDF) Coating: Superior performing organic powder coating, AAMA 2605; pretreated metal with two-coat system including primer and color coat with at least 70 percent PVDF coating.

B. Stainless Steel: ASTM A666, Type 304 alloy, soft temper, 28 gauge, 0.0156 inch thick; smooth No. 4 - Brushed finish.

### 2.02 FABRICATION

A. Form sections true to shape, accurate in size, square, and free from distortion or defects.

B. Form pieces in longest possible lengths.

C. Hem exposed edges on underside 1/2 inch; miter and seam corners.

D. Form material with flat lock seams, except where otherwise indicated; at moving joints, use sealed lapped, bayonet-type or interlocking hooked seams.

E. Fabricate corners from one piece with minimum 18-inch long legs; seam for rigidity, seal with sealant.

F. Fabricate vertical faces with bottom edge formed outward 1/4 inch and hemmed to form drip.

### 2.03 GUTTERS AND DOWNSPOUTS

A. Gutters: SMACNA (ASMM), Rectangular profile. Submit style to A/E for approval.

B. Gutters: Seamless aluminum, 0.032 thickness minimum. Increase thickness as gutter girth increases as recommended by SMACNA Table 1-5.

C. Downspouts: rectangular open face profile at locations indicated on drawings.

D. Gutters and Downspouts: Size for rainfall intensity determined by a storm occurrence of 1 in 10 years in accordance with SMACNA (ASMM).

E. Seal metal joints.

### 2.04 FLASHING

A. Flashing Panels for Exterior Wall Penetrations: Premanufactured components and accessories as required to preserve integrity of building envelope; suitable for conduits and facade materials to be installed.

### 2.05 ACCESSORIES

A. Fasteners: Galvanized steel, with soft neoprene washers.

B. Primer Type: Zinc chromate.

C. Concealed Sealants: Non-curing butyl sealant.

D. Exposed Sealants: ASTM C920; elastomeric sealant, with minimum movement capability as recommended by manufacturer for substrates to be sealed; color to match adjacent material.

E. Asphalt Roof Cement: ASTM D4586/D4586M, Type I, asbestos-free.

## PART 3 EXECUTION

### 3.01 EXAMINATION

A. Verify roof openings, curbs, pipes, sleeves, ducts, and vents through roof are solidly set, reglets in place, and nailing strips located.

B. Verify roofing termination and base flashings are in place, sealed, and secure.

### 3.02 PREPARATION

A. Install starter and edge strips, and cleats before starting installation.

B. Back paint concealed metal surfaces with protective backing paint to a minimum dry film thickness of 15 mil, 0.015 inch.

### 3.03 INSTALLATION

A. Comply with drawing details.
   1. SMACNA Architectural Sheet Metal Manual2012.

B. Insert flashings into reglets to form tight fit; secure in place with lead wedges; pack remaining spaces with lead wool; seal flashings into reglets with sealant.

C. Secure flashings in place using concealed fasteners, and use exposed fasteners only where permitted.

D. Install required roof curb flashings at roof penetrations including curbs installed by mechanical contractor.

E. Apply recommended sealant/adhesive compound between metal flashings and felt flashings.

F. Fit flashings tight in place; make corners square, surfaces true and straight in planes, and lines accurate to profiles.

G. Seal metal joints watertight.

**END OF SECTION**

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## SECTION 08 51 13
## ALUMINUM WINDOWS

### PART 1 GENERAL

#### 1.01 SECTION INCLUDES

A. Extruded aluminum windows with operating sash.

B. Site glazing.

#### 1.02 RELATED REQUIREMENTS

A. Applicable provisions of Division 1 shall govern the work of this section.

B. Section 07 21 00 - Thermal Insulation: Insulation gap filler for opening perimeter.

C. Section 07 25 00 – Weather Barriers: Sealing assemblies to weather barrier installed on adjacent construction.

D. Section 07 92 00 - Joint Sealants: Sealing joints between frames and adjacent construction.

E. Section 08 80 00 - Glazing: Glass and glazing accessories.

#### 1.03 REFERENCE STANDARDS

A. AAMA/WDMA/CSA 101/I.S.2/A440 - North American Fenestration Standard/Specification for Windows, Doors, and Skylights; 2022, with Errata (2023).

B. AAMA CW-10 - Care and Handling of Architectural Aluminum from Shop to Site; 2015.

C. AAMA 502 - Voluntary Specification for Field Testing of Newly Installed Fenestration Products; 2021.

D. AAMA 2605 - Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels (with Coil Coating Appendix); 2022.

E. ASTM A123/A123M - Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products; 2017.

F. ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes; 2021.

G. ASTM B221M - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric); 2021.

H. ASTM E283/E283M - Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Skylights, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen; 2019.

I. ASTM E547 - Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Cyclic Static Air Pressure Difference; 2000 (Reapproved 2016).

J. ASTM E783 - Standard Test Method for Field Measurement of Air Leakage Through Installed Exterior Windows and Doors; 2002 (Reapproved 2018).

K. ASTM E1105 - Standard Test Method for Field Determination of Water Penetration of Installed Exterior Windows, Skylights, Doors, and Curtain Walls, by Uniform or Cyclic Static Air Pressure Difference; 2015 (Reapproved 2023).

#### 1.04 SUBMITTALS

A. See contract Conditions and General Requirements for procedures.

B. Provide submittal transmittals that include all submittal items identified in each submittal group below.

C. Review Submittals - Preparatory:

1. Product Data: Include component dimensions, information on glass and glazing, internal drainage details, and descriptions of hardware and accessories.

2. Shop Drawings: Indicate opening dimensions, elevations of different types, framed opening tolerances, method for achieving air and vapor barrier seal to adjacent construction, anchorage locations, and installation requirements.

D. Review Submittal - Samples:
   1. Framing: Two samples, 12 by 12 inch in size illustrating typical corner construction, accessories, and finishes.
   2. Operating Hardware: Two samples of each type and finish.

E. Information Submittals - Preparatory:
   1. Grade Substantiation: Prior to submitting shop drawings or starting fabrication, submit one of the following showing compliance with specified grade:
      a. Evidence of AAMA Certification.
      b. Evidence of WDMA Certification.
      c. Evidence of CSA Certification.
      d. Test report(s) by independent testing agency itemizing compliance and acceptable to authorities having jurisdiction.
   2. Test Reports: Prior to submitting shop drawings or starting fabrication, submit test report(s) by independent testing agency showing compliance with performance requirements in excess of those prescribed by specified grade.
   3. Manufacturer's qualification statement.
   4. Installer's qualification statement.

F. Closeout Submittals:
   1. Extended Period: Submit certificate by Contractor acknowledging the section specific period to correct work described in this Section.
   2. Warranty Documentation: Submit documentation of manufacturer's warranty that acknowledges the requirements defined in this section.
      a. Provide procurement information including date(s) of procurement, identification of suppliers and contractors involved in the procurement.
      b. Provide manufacturer certification of the warranty that is executed in the Owner's name.

## 1.05 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with minimum three years of documented experience.

## 1.06 DELIVERY, STORAGE, AND HANDLING

A. Comply with requirements of AAMA CW-10.

B. Protect finished surfaces with wrapping paper or strippable coating during installation. Do not use adhesive papers or sprayed coatings that bond to substrate when exposed to sunlight or weather.

## 1.07 FIELD CONDITIONS

A. Do not install sealants when ambient temperature is less than 40 degrees F.

B. Maintain this minimum temperature during and 24 hours after installation of sealants.

## 1.08 WARRANTY

A. See Conditions of the Contract and General Requirements for additional warranty requirements.

B. Extended Period: Correct work in accordance with the terms of the General Conditions for a duration of not less than one year.

C. Section Specific Warranty: Provide manufacturer’s customized warranty as described in this section. Document the warranty as defined under the Submittals heading of this section. Provide warranty in conformance with the following:

1. Manufacturer Warranty: Provide 5-year manufacturer warranty against failure of glass seal on insulating glass units, including interpane dusting or misting. Include provision for replacement of failed units. Complete forms in Owner's name and register with manufacturer.
2. Manufacturer Warranty: Provide 20-year manufacturer warranty against excessive degradation of exterior finish. Include provision for replacement of units with excessive fading, chalking, or flaking. Complete forms in Owner's name and register with manufacturer.

## PART 2 PRODUCTS

### 2.01 MANUFACTURERS

A. Aluminum Windows Manufacturers:
   1. Basis of Design:
      a. Tilutex: Sunflex SF55 Insulated Aluminum Folding Sliding Doors; www.sunflexusa.com.
   2. Comparable by the following:
      a. Chicago Bifold: www.chicagobifold.com.
   3. Substitutions: See contract Conditions and General Requirements for requirements.
      a. Provide pre-bid substitution request to A/E for approval of alternates.

### 2.02 ALUMINUM WINDOWS

A. Aluminum Windows: Extruded aluminum frame and sash, factory fabricated, factory finished, with operating hardware, related flashings, and anchorage and attachment devices.
   1. Frame Depth: 2-1/4 inch.
   2. Fabrication: Joints and corners flush, hairline, and weatherproof, accurately fitted and secured; prepared to receive anchors; fasteners and attachments concealed from view; reinforced as required for operating hardware and imposed loads.
   3. Perimeter Clearance: Minimize space between framing members and adjacent construction while allowing expected movement.
   4. Movement: Accommodate movement between window and perimeter framing and deflection of lintel, without damage to components or deterioration of seals.
   5. System Internal Drainage: Drain to the exterior by means of a weep drainage network any water entering joints, condensation occurring in glazing channel, and migrating moisture occurring within system.
   6. Thermal Movement: Design to accommodate thermal movement caused by 180 degrees F surface temperature without buckling stress on glass, joint seal failure, damaging loads on structural elements, damaging loads on fasteners, reduction in performance or other detrimental effects.

B. Bi-folding Type:
   1. Construction: Thermally broken.
   2. Glazing: GLT-14 per Section 08 80 00.
   3. Exterior and Interior Finish: Superior Performing Organic Coating.

### 2.03 PERFORMANCE REQUIREMENTS

A. Grade: AAMA/WDMA/CSA 101/I.S.2/A440 requirements for specific window type:
   1. Performance Grade (PG): Equivalent to or greater than specified design pressure.

B. Design Pressure (DP):
   1. Positive Design Wind Load: 40 psf.
   2. Negative Design Wind Load: 40 psf.

C. Member Deflection: Limit member deflection to flexure limit of glass in any direction, with full recovery of glazing materials.

D. Water Infiltration: Passing per ASTM E547 at 9.00 psf.

E. Air Leakage:.3 cfm/sq ft maximum leakage per unit area of outside window frame dimension when tested at 1.57 psf pressure difference in accordance with ASTM E283/E283M.

### 2.04 COMPONENTS

A. Frames: Thermally broken type.

B. Sills: extruded aluminum; sloped for positive wash; fit under sash and connect to frame as designed by window manufacturer; one piece full width of opening .

C. Insect Screen Frame: Rolled aluminum frame of rectangular sections; fit with adjustable hardware; nominal size similar to operable glazed unit.

D. Sealant and Backing Materials: As specified in Section 07 92 00.

### 2.05 MATERIALS

A. Extruded Aluminum: ASTM B221 (ASTM B221M), 6063 alloy, T6 temper.

B. Concealed Steel Items: Profiled to suit mullion sections; galvanized in accordance with ASTM A123/A123M.

### 2.06 FINISHES

A. Superior Performing Organic Coatings System: Manufacturer's standard multi-coat superior performing organic coatings system complying with AAMA 2605, including at least 70 percent polyvinylidene fluoride (PVDF) resin, and at least 80 percent of aluminum extrusion and panels surfaces having minimum total dry film thickness (DFT) of 1.2 mils, 0.0012 inch.

## PART 3 EXECUTION

### 3.01 EXAMINATION

A. Verify that wall openings and adjoining water-resistive barrier materials are ready to receive aluminum windows; see Section 07 27 00.

### 3.02 PRIME WINDOW INSTALLATION

A. Install windows in accordance with manufacturer's instructions.

B. Install window assembly in accordance with AAMA/WDMA/CSA 101/I.S.2/A440.

C. Attach window frame and shims to perimeter opening to accommodate construction tolerances and other irregularities.

D. Align window plumb and level, free of warp or twist. Maintain dimensional tolerances and alignment with adjacent work.

E. Install sill.

F. Provide thermal isolation where components penetrate or disrupt building insulation. Apply expanding foam insulation in shim spaces at perimeter of assembly to maintain continuity of thermal barrier.

G. Coordinate attachment and seal of perimeter air barrier and vapor retarder materials.

H. Install glass and infill panels in accordance with requirements; see Section 08 80 00.

I. Install perimeter sealant in accordance with requirements specified in Section 07 92 00.

### 3.03 TOLERANCES

A. Maximum Variation from Level or Plumb: 1/16 inches every 3 ft non-cumulative or 1/8 inches per 10 ft, whichever is less.

### 3.04 FIELD QUALITY CONTROL

A. See Conditions of the Contract and General Requirements for independent field testing and inspection requirements, and requirements for monitoring quality of specified product installations.

B. Provide field testing of installed aluminum windows by independent laboratory in accordance with AAMA 502 and AAMA/WDMA/CSA 101/I.S.2/A440 during construction process and before installation of interior finishes.
   1. Field test for water penetration in accordance with ASTM E1105 using Procedure B - cyclic static air pressure difference; test pressure shall not be less than 1.9 psf.
   2. Field test for air leakage in accordance with ASTM E783 with uniform static air pressure difference of 1.57 psf.

C. Repair or replace fenestration components that have failed designated field testing, and retest to verify performance complies with specified requirements.

**3.05 CLEANING**

A. Remove protective material from factory finished aluminum surfaces.

B. Wash surfaces by method recommended and acceptable to window manufacturer; rinse and wipe surfaces clean.

C. Remove excess glazing sealant by moderate use of mineral spirits or other solvent acceptable to sealant and window manufacturer.

**END OF SECTION**

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## SECTION 08 80 00
## GLAZING

### PART 1 GENERAL

### 1.01 SECTION INCLUDES

A. Insulating glass units.

### 1.02 RELATED REQUIREMENTS

A. Applicable provisions of Division 1 govern the work of this section.

B. Section 07 27 00 - Air Barriers: Sealing assemblies to weather barrier installed on adjacent construction.

C. Section 07 92 00 - Joint Sealants: Sealants for other than glazing purposes.

D. Section 08 51 13 - Aluminum Windows: Provide glazing for windows.

### 1.03 REFERENCE STANDARDS

A. 16 CFR 1201 - Safety Standard for Architectural Glazing Materials; Current Edition.

B. ANSI Z97.1 - American National Standard for Safety Glazing Materials Used in Buildings - Safety Performance Specifications and Methods of Test; 2015 (Reaffirmed 2020).

C. ASCE 7 - Minimum Design Loads and Associated Criteria for Buildings and Other Structures; Most Recent Edition Cited by Referring Code or Reference Standard.

D. ASTM C1036 - Standard Specification for Flat Glass; 2021.

E. ASTM C1048 - Standard Specification for Heat-Strengthened and Fully Tempered Flat Glass; 2018.

F. ASTM C1193 - Standard Guide for Use of Joint Sealants; 2016 (Reapproved 2023).

G. ASTM C1376 - Standard Specification for Pyrolytic and Vacuum Deposition Coatings on Flat Glass; 2021a.

H. ASTM E1300 - Standard Practice for Determining Load Resistance of Glass in Buildings; 2016.

I. ASTM E2190 - Standard Specification for Insulating Glass Unit Performance and Evaluation; 2019.

J. GANA (GM) - GANA Glazing Manual; 2022.

K. GANA (SM) - GANA Sealant Manual; 2008.

L. IGMA TM-3000 - North American Glazing Guidelines for Sealed Insulating Glass Units for Commercial & Residential Use; 1990 (Reaffirmed 2016).

M. NFRC 100 - Procedure for Determining Fenestration Product U-factors; 2023.

N. NFRC 200 - Procedure for Determining Fenestration Product Solar Heat Gain Coefficient and Visible Transmittance at Normal Incidence; 2023.

O. NFRC 300 - Test Method for Determining the Solar Optical Properties of Glazing Materials and Systems; 2023.

### 1.04 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements for procedures.

B. Provide submittal transmittals that include all submittal items identified in each submittal group below.

C. Review Submittals - Preparatory Group:
   1. Product Data on Insulating Glass Unit and Glazing Unit Glazing Types: Provide structural, physical and environmental characteristics, size limitations, special handling and installation requirements.

2. Product Data on Glazing Compounds and Accessories: Provide chemical, functional, and environmental characteristics, limitations, special application requirements. Identify available colors. Coordinate the following information with product in Section 08 43 13; unit u-value, center of glass u-value and solar heat gain coefficient.

D. Closeout Submittals:
   1. See Contract Conditions and General Requirements for additional information regarding documenting warranties.
   2. Warranty Documentation: Submit documentation of manufacturer's warranty that acknowledges the requirements defined in this section.
      a. Provide procurement information including date(s) of procurement, identification of suppliers and contractors involved in the procurement.
      b. Provide manufacturer certification of the warranty that is executed in the Owner's name.

## 1.05 QUALITY ASSURANCE

A. Perform Work in accordance with GANA (GM), GANA (SM), and IGMA TM-3000 for glazing installation methods. Maintain one copy on site.

B. Installer Qualifications: Company specializing in performing work of the type specified and with at least three years documented experience.

## 1.06 FIELD CONDITIONS

A. Do not install glazing when ambient temperature is less than 40 degrees F.

B. Maintain minimum ambient temperature before, during and 24 hours after installation of glazing compounds.

## 1.07 WARRANTY

A. See Section 01 78 00 - Closeout Submittals for additional warranty requirements.

B. Section Specific Warranty: Provide manufacturer’s customized warranty as described in this section. Document the warranty as defined under the Submittals heading of this section. Provide warranty in conformance with the following:
   1. Insulating Glass Units: Provide a ten (10) year manufacturer warranty to include coverage for seal failure, interpane dusting or misting, including replacement of failed units.

# PART 2 PRODUCTS

## 2.01 MANUFACTURERS

A. Float Glass Manufacturers:
   1. AGC Glass Company North America, Inc: www.us.agc.com.
   2. Cardinal Glass Industries: www.cardinalcorp.com.
   3. Guardian Industries Corp: www.sunguardglass.com.
   4. Vitro Architectural Glass (formerly PPG Glass): www.vitroglazings.com.

## 2.02 PERFORMANCE REQUIREMENTS - EXTERIOR GLAZING ASSEMBLIES

A. Provide type and thickness of exterior glazing assemblies to support assembly dead loads, and to withstand live loads caused by positive and negative wind pressure acting normal to plane of glass.
   1. Design Pressure: Calculated in accordance with ASCE 7.
   2. Comply with ASTM E1300 for design load resistance of glass type, thickness, dimensions, and maximum lateral deflection of supported glass.
   3. Provide glass edge support system sufficiently stiff to limit the lateral deflection of supported glass edges to less than 1/175 of their lengths under specified design load.
   4. Glass thicknesses listed are minimum.

B. Weather-Resistive Barrier Seals: Provide completed assemblies that maintain continuity of building enclosure water-resistive barrier, vapor retarder, and/or air barrier.

C. Thermal and Optical Performance: Provide exterior glazing products with performance properties as indicated. Performance properties are in accordance with manufacturer's published data as determined with the following procedures and/or test methods:
   1. Center of Glass U-Value: Comply with NFRC 100 using Lawrence Berkeley National Laboratory (LBNL) WINDOW 7 computer program.
   2. Center of Glass Solar Heat Gain Coefficient (SHGC): Comply with NFRC 200 using Lawrence Berkeley National Laboratory (LBNL) WINDOW 7 computer program.
   3. Solar Optical Properties: Comply with NFRC 300 test method.

**2.03 GLASS MATERIALS**

A. Float Glass: Provide float glass based glazing unless otherwise indicated.
   1. Annealed Type: ASTM C1036, Type I - Transparent Flat, Class 1 - Clear, Quality - Q3.
   2. Kind HS - Heat-Strengthened Type: Complies with ASTM C1048.
   3. Kind FT - Fully Tempered Type: Complies with ASTM C1048.
   4. Fully Tempered Safety Glass: Complies with ANSI Z97.1 or 16 CFR 1201 criteria for safety glazing used in hazardous locations.
   5. Thicknesses: As indicated; provide greater thickness as required for exterior glazing wind load design.

**2.04 INSULATING GLASS UNITS**

A. Manufacturers:
   1. Glass: Any of the manufacturers specified for float glass.
   2. Fabricator certified by glass manufacturer for type of glass, coating, and treatment involved and capable of providing specified warranty.
   3. Substitutions: See contract Conditions and General Requirements for requirements.

B. Insulating Glass Units: Types as indicated.
   1. Durability: Certified by an independent testing agency to comply with ASTM E2190.
   2. Coated Glass: Comply with requirements of ASTM C1376 for pyrolytic (hard-coat) or magnetic sputter vapor deposition (soft-coat) type coatings on flat glass; coated vision glass, Kind CV; coated overhead glass, Kind CO; or coated spandrel glass, Kind CS.
   3. Metal-Edge Spacers: Aluminum, bent and soldered corners.
   4. Spacer Color: Aluminum.
   5. Edge Seal:
      a. Dual-Sealed System: Provide polyisobutylene sealant as primary seal applied between spacer and glass panes, and silicone, polysulfide, or polyurethane sealant as secondary seal applied around perimeter.
   6. Color: Black.
   7. Purge interpane space with dry air, hermetically sealed.

C. GLT -14Insulating Glass Units: Vision glass, double glazed.
   1. Applications: Windows above first floor and as scheduled.
   2. Space between lites filled with argon.
   3. Outboard Lite: Annealed float glass, 1/4 inch thick, minimum.
      a. Tint: Gray.
      b. Low-E Coating, Basis of Design: Vitro Architectural Glass, Solarban 60 on #2 surface.
   4. Inboard Lite: Fully tempered float glass, 1/4 inch thick, minimum.
      a. Tint: Clear.
   5. Total Thickness: 1 inch.
   6. Thermal Transmittance (U-Value), Summer - Center of Glass: 0.24, nominal.
   7. Visible Light Transmittance (VLT): 70 percent, nominal.
   8. Solar Heat Gain Coefficient (SHGC):.38, nominal.
   9. Glazing Method: Dry glazing method, gasket glazing.

## PART 3 EXECUTION

### 3.01 VERIFICATION OF CONDITIONS

A. Verify that openings for glazing are correctly sized and within tolerances, including those for size, squareness, and offsets at corners.

B. Verify that surfaces of glazing channels or recesses are clean, free of obstructions that may impede moisture movement, weeps are clear, and support framing is ready to receive glazing system.

### 3.02 PREPARATION

A. Clean contact surfaces with appropriate solvent and wipe dry within maximum of 24 hours before glazing. Remove coatings that are not tightly bonded to substrates.

B. Seal porous glazing channels or recesses with substrate compatible primer or sealer.

C. Prime surfaces scheduled to receive sealant where required for proper sealant adhesion.

### 3.03 INSTALLATION, GENERAL

A. Install glazing in compliance with written instructions of glass, gaskets, and other glazing material manufacturers, unless more stringent requirements are indicated, including those in glazing referenced standards.

B. Install glazing sealants in accordance with ASTM C1193, GANA (SM), and manufacturer's instructions.

C. Do not exceed edge pressures around perimeter of glass lites as stipulated by glass manufacturer.

D. Set glass lites of system with uniform pattern, draw, bow, and similar characteristics.

E. Set glass lites in proper orientation so that coatings face exterior or interior as indicated.

F. Prevent glass from contact with any contaminating substances that may be the result of construction operations such as, and not limited to the following; weld splatter, fire-safing, plastering, mortar droppings, and paint.

### 3.04 INSTALLATION - DRY GLAZING METHOD (GASKET GLAZING)

A. Application - Exterior and/or Interior Glazed: Set glazing infills from either the exterior or the interior of the building.

B. Place setting blocks at 1/4 points with edge block no more than 6 inch from corners.

C. Rest glazing on setting blocks and push against fixed stop with sufficient pressure on gasket to attain full contact.

D. Install removable stops without displacing glazing gasket; exert pressure for full continuous contact.

### 3.05 CLEANING

A. Remove excess glazing materials from finish surfaces immediately after application using solvents or cleaners recommended by manufacturers.

B. Remove nonpermanent labels immediately after glazing installation is complete.

C. Clean glass and adjacent surfaces after sealants are fully cured.

D. Clean glass on both exposed surfaces not more than 4 days prior to Date of Substantial Completion in accordance with glass manufacturer's written recommendations.

### 3.06 PROTECTION

A. After installation, mark pane with an 'X' by using removable plastic tape or paste; do not mark heat absorbing or reflective glass units.

B. Remove and replace glass that is damaged during construction period prior to Date of Substantial Completion.

**END OF SECTION**

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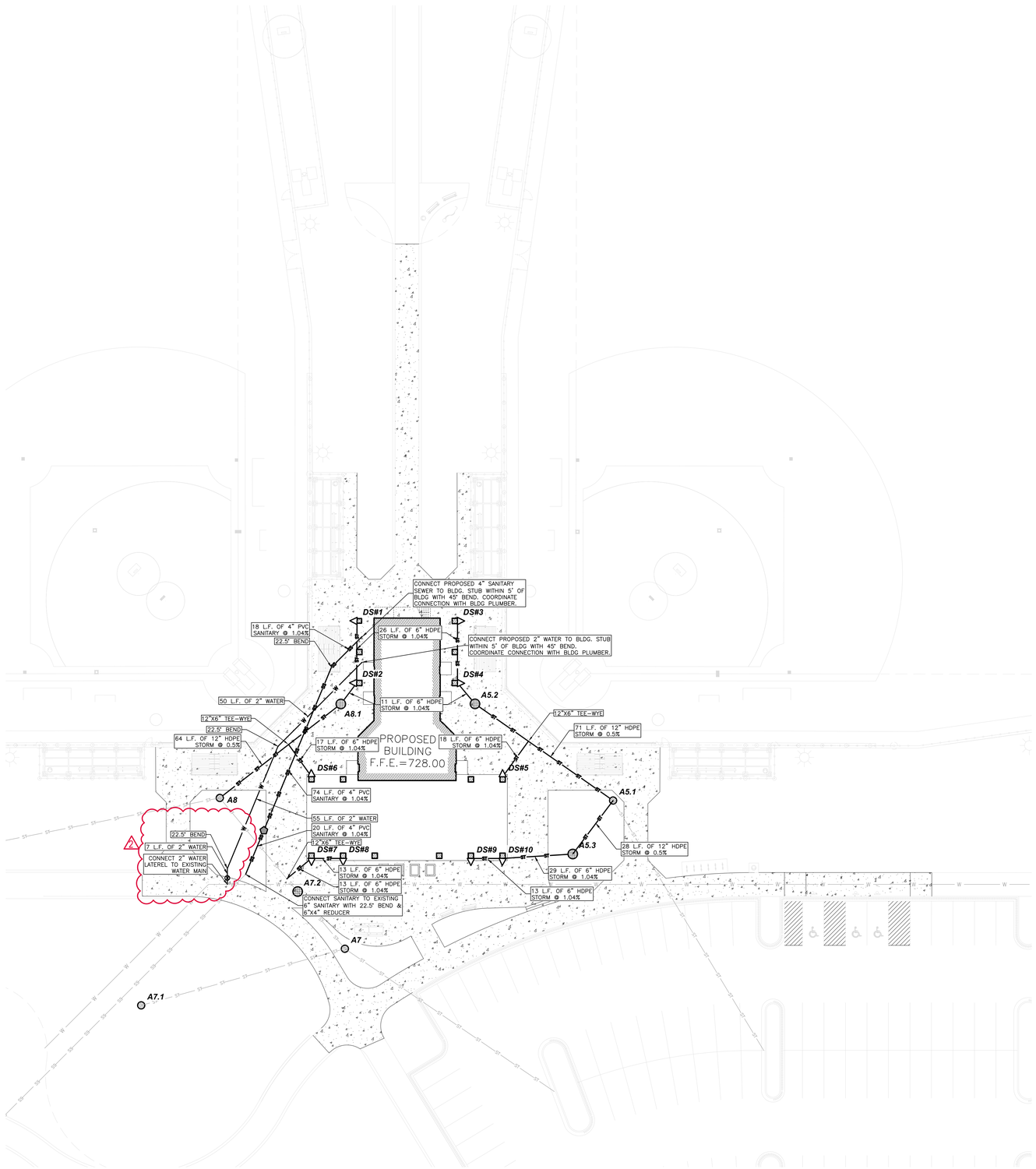



## BENCHMARK:

THE BASE TOPOGRAPHIC MAP FOR THIS DRAWING WAS SURVEYED AND DRAFTED BY OTHERS.

## EXISTING CONDITIONS DISCLAIMER:

NOTE THAT THE BASE TOPOGRAPHIC MAP FOR THIS DRAWING WAS SURVEYED AND DRAFTED BY OTHERS. POINT OF BEGINNING WILL NOT BE HELD LIABLE FOR ANY INACCURACIES OR OMISSIONS FROM THE TOPOGRAPHIC MAP/INFORMATION.

## GENERAL NOTES:

1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
2. GRADE, LINE, AND LEVEL SHALL BE REVIEWED IN THE FIELD BY THE CONSTRUCTION MANAGER.
3. ANY EXISTING UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED AND OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR.
4. REFER TO THE PROPOSED BUILDING MECHANICAL/PLUMBING PLANS TO VERIFY EXACT CONNECTION LOCATIONS AND SIZES OF PROPOSED SANITARY SEWER AND WATER LATERALS.
5. COORDINATE ALL UTILITY WORK WITH THE RESPECTIVE TRADES RESPONSIBLE FOR THE INSTALLATION OF GAS, CABLE, TELEPHONE AND ELECTRICAL (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND SIGNAGE).
6. COORDINATE UTILITY SERVICE DISCONNECTIONS/OUTAGES WITH OWNER AND ANY IMPACTED NEIGHBORS. MINIMIZE DISRUPTIONS TO THE MAXIMUM EXTENT PRACTICAL.
7. COORDINATE ALL WORK WITHIN THE PUBLIC RIGHT OF WAY WITH THE LOCAL MUNICIPALITY.
8. ALL TESTING AND INSPECTION SHALL BE DONE IN ACCORDANCE WITH SPS 382.21.
9. THE PROPOSED WATER SHALL HAVE A MINIMUM COVER OF 7'-6" TO THE TOP OF PIPE FROM PROPOSED FINISHED GRADE. SEE SHEET C200 FOR PROPOSED FINISHED GRADE.
10. THE MUNICIPALITY SHALL OPERATE ALL EXISTING WATER VALVES, IF NEEDED.
11. FIELD VERIFY INVERT ELEVATION OF THE SANITARY SEWER AND WATER PUBLIC MAIN, AT THE LOCATION OF THE SERVICE LATERAL CONNECTIONS, PRIOR TO CONNECTING THE LATERALS.

## GRADING LEGEND:

| | |
|---|---|
| PROPOSED STORM SEWER | ST |
| PROPOSED SANITARY SEWER | SS |
| PROPOSED WATER MAIN | W |
| PROPOSED STORM SEWER INLET | 5 / C400 |
| PROPOSED STORM SEWER MODULAR INLET OR YARD DRAIN | 6 / C400 |
| PROPOSED SANITARY SEWER CLEANOUT | 7 / C400 |
| PROPOSED 2" WATER CURBSTOP | |
| PROPOSED DOWNSPOUT CONNECTION | 9 / C400 |

| STRUCTURE # | STRUCTURE DETAILS |
|---|---|
| A5.1 | BY OTHERS PER TREMPEALEAU COMMUNITY PARK PROJECT |
| A5.2 | RIM = 727.69<br>INV = 724.69 SE<br>INV = 725.69 NW<br>DEPTH = 3.50'<br><br>15" NYLOPLAST DRAIN BASIN W/ 15" DROP IN GRATE W/ 6" SUMP |
| A5.3 | RIM = 726.86<br>INV = 724.28 NE<br>INV = 725.28 W<br>DEPTH = 3.08'<br><br>15" NYLOPLAST DRAIN BASIN W/ 15" DROP IN GRATE W/ 6" SUMP |
| A7 | BY OTHERS PER TREMPEALEAU COMMUNITY PARK PROJECT |
| A7.1 | BY OTHERS PER TREMPEALEAU COMMUNITY PARK PROJECT |
| A7.2 | RIM = 727.25<br>INV = 723.82 SE<br>DEPTH = 3.93'<br><br>15" NYLOPLAST DRAIN BASIN W/ 15" DROP IN GRATE W/ 6" SUMP |
| A8 | BY OTHERS PER TREMPEALEAU COMMUNITY PARK PROJECT |
| A8.1 | RIM = 727.69<br>INV = 724.46 SW<br>INV = 725.46 NE<br>DEPTH = 3.73'<br><br>15" NYLOPLAST DRAIN BASIN W/ 15" DROP IN GRATE W/ 6" SUMP |

0' 20' 40'
1" = 20'

N


ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

**HSR ASSOCIATES INC.**
100 MILWAUKEE STREET
LA CROSSE, WISCONSIN
PHONE: 608.784.1830
FAX: 608.782.5844
www.hsrassociates.com

Consultant:

Point of Beginning
Civil Engineering
Land Surveying
Landscape Architecture
4941 Kirschling Court
Stevens Point, WI 54481
715.344.9999(Ph) 715.344.9922(Fx)


Project Title: **VILLAGE OF TREMPEALEAU**
**TREMPEALEAU PARK SHELTER - REBID**

Project Location: 24016 12th Street
Trempealeau, WI 54661

Sheet Title: **UTILITY PLAN**

HSR Project Number: **25013**

Project Date: **DECEMBER 2025**

Drawn By: **JJL**

Key Plan:

**BID SET**

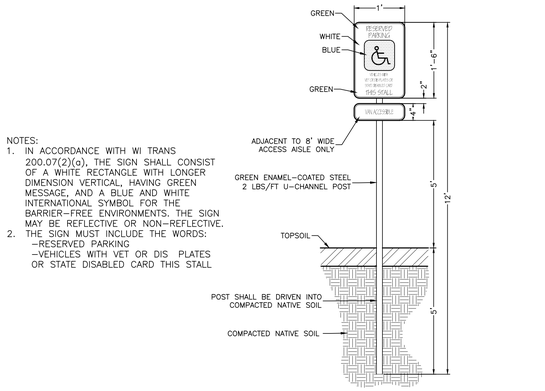
Revisions:

| No. | Description | Date |
|---|---|---|
| 1 | Addendum #1 | 01/08/2026 |
| 2 | Addendum #2 | 01/13/2026 |
| | | |
| | | |
| | | |

Graphic Scale: **SEE PLAN**

Last Update: **01/08/2026**

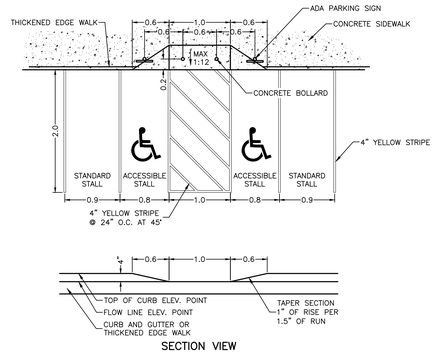
**C300**




NOTES:
1. IN ACCORDANCE WITH WI TRANS 200.07(2)(a), THE SIGN SHALL CONSIST OF A WHITE RECTANGLE WITH LONGER DIMENSION VERTICAL, HAVING GREEN MESSAGE, AND A BLUE AND WHITE INTERNATIONAL SYMBOL FOR THE BARRIER-FREE ENVIRONMENTS. THE SIGN MAY BE REFLECTIVE OR NON-REFLECTIVE.
2. THE SIGN MUST INCLUDE THE WORDS: -RESERVED PARKING -VEHICLES WITH VET OR DIS. PLATES OR STATE DISABLED CARD THIS STALL

## ADA SIGNAGE

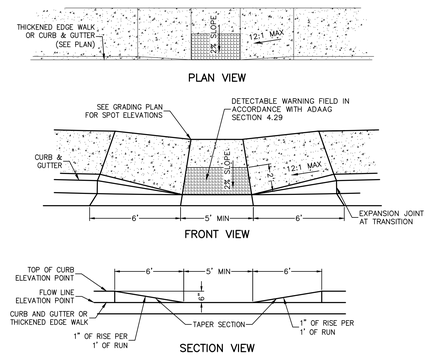
1 C400




SECTION VIEW

## ADA STRIPING

2 C400

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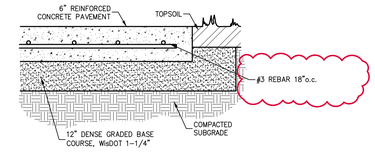
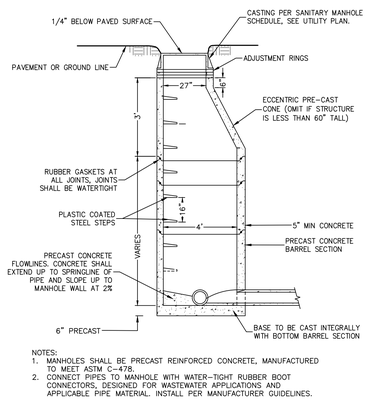
3 C400




REINFORCED CONCRETE

## CONCRETE SECTION

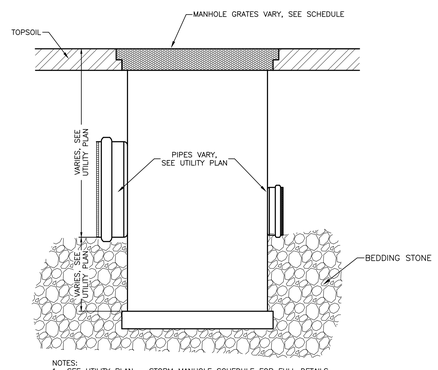
4 C400




NOTES:
1. MANHOLES SHALL BE PRECAST REINFORCED CONCRETE, MANUFACTURED TO MEET ASTM C-478.
2. CONNECT PIPES TO MANHOLE WITH WATER-TIGHT RUBBER BOOT CONNECTORS, DESIGNED FOR WASTEWATER APPLICATIONS AND APPLICABLE PIPE MATERIAL. INSTALL PER MANUFACTURER GUIDELINES.

## MANHOLE

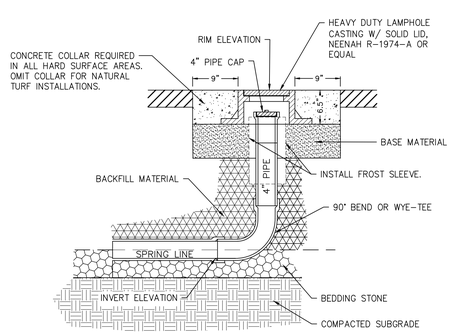
5 C400




NOTES:
1. SEE UTILITY PLAN – STORM MANHOLE SCHEDULE FOR FULL DETAILS FOR EACH PROPOSED DRAIN BASIN.
2. SEE UTILITY PLAN FOR DRAIN BASIN LOCATIONS.

## FIELD INLET

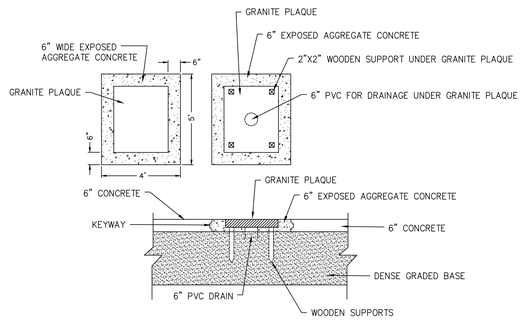
6 C400




NOTES:
1. INSTALL LAMPHOLE CASTING FLUSH WITH THE ADJACENT SURFACE.
2. SEE UTILITY PLAN FOR INSTALLATION LOCATIONS.
3. SEE UTILITY PLAN CLEANOUT SCHEDULE FOR INVERT AND RIM ELEVATIONS.
4. ALL TRENCHES UNDER HARD SURFACES SHALL BE BACKFILLED WITH GRANULAR/BASE MATERIAL

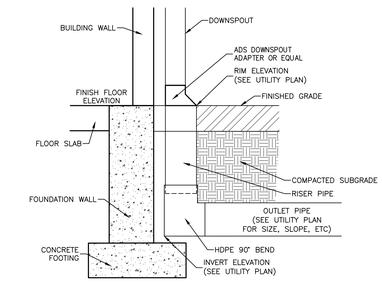
## SANITARY CLEANOUT

7 C400




## GRANITE PLAQUE INSTALLATION

8 C400




## DOWNSPOUT CONNECTION

9 C400


ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

**HSR ASSOCIATES INC.**
100 MILWAUKEE STREET
LA CROSSE, WISCONSIN
PHONE: 608.784.1830
FAX: 608.782.5844
www.hsrassociates.com

Consultant:
Point of Beginning
Civil Engineering
Land Surveying
Landscape Architecture
4941 Kirschling Court
Stevens Point, WI 54481
715.344.9999(Ph) 715.344.9922(Fx)


Project Title: **VILLAGE OF TREMPEALEAU**
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Project Location: 24016 12th Street, Trempealeau, WI 54661

Sheet Title: **DETAILS**

HSR Project Number: **25013**

Project Date: **DECEMBER 2025**

Drawn By: **JJL**

Key Plan:

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Graphic Scale: **SEE PLAN**

Last Update: **01/08/2026**

# C400