

ADDENDUM NUMBER 2

LINDBERGH PARK PAVILION AND SLASH PAD CONSTRUCTION

Site #696, Bldg. #1400
3629 North 16th Street
Milwaukee, WI 53206

Project Number: P070-12417

Date of Addendum: April 17, 2013

This Addendum to the Contract Documents is issued to modify, explain or correct the original documents, dated March 18, 2013, and is hereby made part of the Contract Documents.

MODIFICATIONS & CLARIFICATIONS TO BID FORM

- a. Items #107 and #307: **DELETE** “per Cubic Yard” and **REPLACE WITH** “Per Lineal Foot”.
- b. Items#124 and #324: **DELETE** “per Cubic Yard” and **REPLACE WITH** “Per Ton”.
- c. Items #129 and #329: **ADD**, “Includes electrical conduit and wiring to poles”.
- d. **CLARIFICATION**: Bid item #121 (321) is just the cost of the high performance coating, not the concrete. The concrete is under item # 123 (323).
- e. **CLARIFICATION**: Bid item #106 (306) rough grading: This is lump sum, but site is estimated to balance the excavation from building footings to raise splash pad.

MODIFICATIONS & CLARIFICATIONS TO DRAWINGS

Sheet C-102 – Proposed Pavement Layout:

- a. Hatch pattern to be **CHANGED** to hatch for “5” concrete over 6” base” for east circle under table, and bike rack slab.
- b. **ADD** note, “All non-hatched walkways and concrete circles in splash pad area to be 6” concrete over 6” base. Bid item # 123, (323).

Sheet A-000 – Code Compliance:

- c. **CLARIFICATION**: EGRESS WIDTH CALCULATIONS TABLE, SHELTER OCCUPANT LOAD is “34”. See attached drawing A-000.
- d. MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES TABLE, **DELETE** “VETERANS PARK PAVILION” **REPLACE WITH** “ LINDBERGH PARK PAVILION”. See attached drawing A-000.

Sheet A-101 – Pavilion: Floor, Roof & Reflected Ceiling Plans:

- a. Drawing 4/A-101, **REVISE** drawing scale to 1” = 1’-0”.
- b. Drawing 5/A-101, **REVISE** detail callout to section callout. See attached drawing A-101.
- c. Drawing 5/A-101, **REVISE** drawing scale to 1” = 1’-0”.
- d. **CLARIFICATION**: Plan Note “6” is typical for all type “C” partitions.

- e. **CLARIFICATION:** Vertical and horizontal edges of type “C” partitions are 1” radius bull nose.

Sheet A-300 – Pavilion: Building Sections

- a. Drawing 1/A-300, **REVISE** soffit material note to “ALUMINUM SOFFIT MATCH FASCIA -TYP”.

Sheet A-301 – Pavilion: Wall Sections

- a. Drawing 1/A-301, **REVISE** FTNG elevation tag from “96’-0” to “95’-0”.
- b. Drawing 1/A-301, **REVISE** sill detail callout to “6/A-500”.
- c. Drawing 1/A-301, **REVISE** fascia material note to “0.063 ALUM. FASCIA (FINISH TO MATCH ROOF)”.
- d. Drawing 2/A-301, **REVISE** threshold detail callout to “8/A-500”.

Sheet A-302 – Pavilion: Wall Sections

- a. Drawing 1/A-302, **REVISE** Depth of Splash Pad Equipment Pit to “4’-0”. See attached Drawing A-302.
- b. Drawing 2/A-302, **REVISE** FTNG elevation tag from “96’-0” to “95’-0”.

Sheet P1.0 – Plumbing Specification:

- a. **CHANGE** floor drain (FD-1) to “Josam 30000A-VP” to provide vandal proof screws.
- b. **CHANGE** finished floor cleanouts to Josam 57000-Z-VP” to provide vandal proof screws.

Sheet P2.0 – Plumbing Floor Plans:

- a. **ADD** floor drain (FD-2) to in mechanical chase 102. See attached drawing P-1.
- b. **ADD** drain valves at low point to lavatories. No drawing attached.
- c. **ADD** drain valve at low point to wall hydrant. No drawing attached.
- d. **CHANGE** sanitary line to 4”. See attached drawing P-1.

Sheet ML – Mechanical Legend

- e. **ADD** “BASIS OF DESIGN: 1. Unheated Building. 2. Fire dampers installed now due to required room rating for future splash pad water heater, greater than 400 mbh input, being installed in Room 102.”

Sheet M2.0 – Mechanical Specifications

- a. **CHANGE** (14) (E) (2) (a) to “Any occupancy sensor in a room served by the exhaust fan shall start the fan.”
- b. **ADD** (14) (F) “FUNCTIONAL PERFORMANCE TESTING 1. Contractor is responsible for providing functional performance testing to ensure the fans start and stop as specified in the presence of the Engineer at punch list site visit.”

Sheet EL – Symbols, Abbreviations and Notes:

- a. **ADD** "Nightlight" symbol. See Sheet E01.

Sheet E1.0 – Electrical Plan:

- a. Drawing E02 / Sheet E1.0: **CHANGE** Detail 1/E1.0. See attached drawing E02.
- b. **CHANGE** circuiting/control for Type "RA" light fixtures. See attached drawings E02 and E03.

Sheet ES1.0 – Electrical Site Plan

Plan Notes:

- a. Note No. 4: **CHANGE** to read as follows: "As part of Item 119, Contract No. 1 and Item 319, Contract No. 3, provide a dedicated 20 Amp/120 Volt circuit from Panel "A" (A-8) to serve Splash Pad controller identified as "Code D" on "Legend-2", Sheet C-103. Also, provide 2 conductors No. 14 AWG in 0.5 inch PVC conduit from Controller to Playsafe Drain, Press and Play No. 1 identified as "Code A" on Sheet C-103 and shown on the Piping and Toy Plan."
- b. Note No. 5: **CHANGE** to read as follows: "As part of Item #139, Contract No. 1 and Item #339, Contract No. 3, provide two dedicated UG 20 Amp/120 Volt circuits from Panel "A" in 0.5 inch PVC conduit to feed the (3) New Splash Pad lighting fixtures and to back feed existing pedestrian site lighting. Refer to Detail 1/E1.0 and Note No. 4 Sheet E1.0."
- c. Note No. 6: **CHANGE** to read as follows: "As part of Item #129, Contract No. 1 and Item #329, Contract No. 3, provide (3) new lighting fixtures including appropriate concrete bases. Refer to Section 26 56 00 in the specification book for information regarding these light fixtures, poles, concrete bases and other accessories."
- d. Note No. 8: **ADD** the following: "As part of Contract #1 and Contract #3, provide a grounding loop around the Splash Pad connected to the building main ground. Bond and ground all metallic conductive material including but not limited to any structural steel, bollards, water piping, metal enclosures, etc. Provide a #8 copper (minimum) conductor tied to the building grounding electrodes and at the ground lugs in Panel "A". Verify that all requirements of NEC Article 680.26(C) are met."

MODIFICATIONS & CLARIFICATIONS TO TECHNICAL SPECIFICATIONS

Section 04 27 23 – Cavity Wall Unit Masonry:

- a. Section 2.1, A, Face Brick Manufacturers, **DELETE** section and **REPLACE** with,
 - A. Face Brick Manufacturers:
 - 1. Glen-Gery Brickwork
 - 2. The Belden Brick Company
 - 3. Substitutions: Architect Approved Equal.

Section 08 22 00 – Fiberglass Reinforced Plastic (FRP) Doors & Frames:

- a. **DELETE** section and **REPLACE** with attached Section 08 22 00, See attached document.

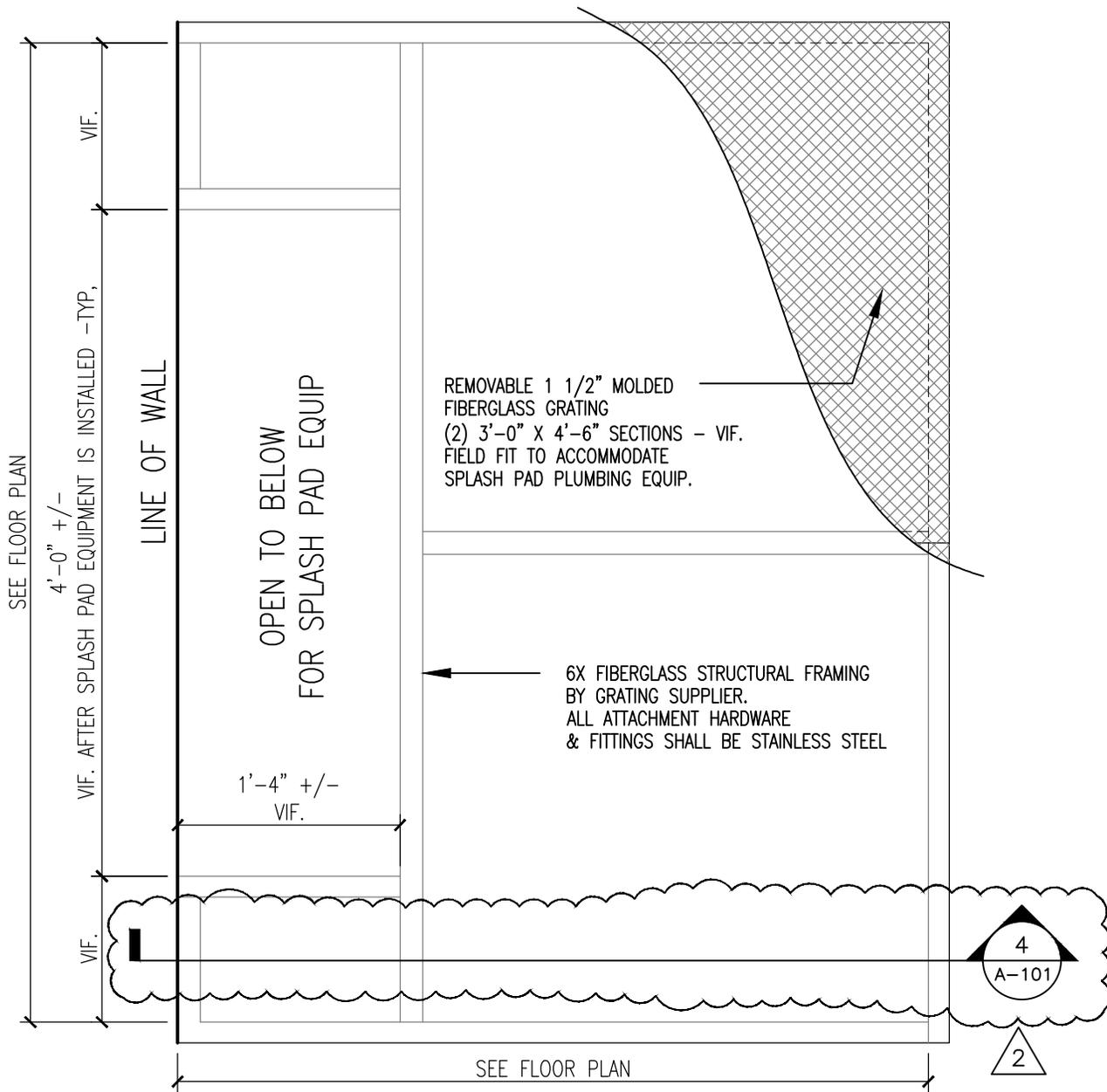
End of Addendum No. 2



EGRESS WIDTH CALCULATIONS				
ROOM / SPACE	USE OR OCCUPANCY	OCCUPANT LOAD	EGRESS COMPONENT FACTOR	REQUIRED EGRESS COMPONENT WIDTH
WOMEN'S TOILET ROOM	ASSEMBLY (A-5)	12	0.2 INCHES / OCCUPANT	2.4-INCHES
MEN'S TOILET ROOM	ASSEMBLY (A-5)	12	0.2 INCHES / OCCUPANT	2.4-INCHES
UTILITY ROOM	MECHANICAL	1	0.2 INCHES / OCCUPANT	N/A
SHELTER	ASSEMBLY (A-5)	34	N/A - UNRESTRICTED EGRESS TO EXTERIOR	

△
2

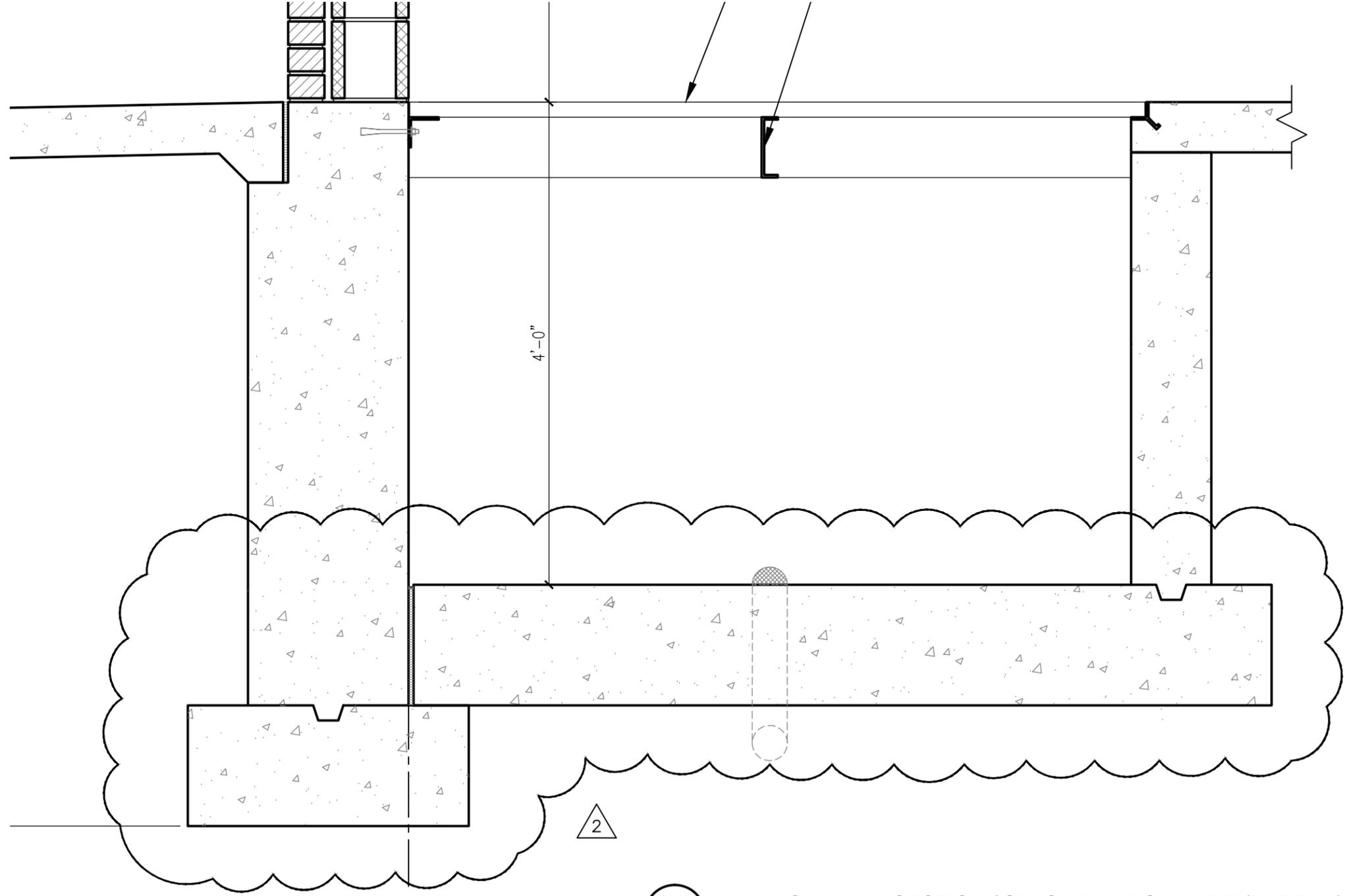
OCCUPANCY		WATER CLOSETS			LAVATORIES		DRINKING FOUNTAINS		SERVICE SINK
TYPE	NUMBER OF PEOPLE	FACTORS	NUMBER OF FIXTURES REQUIRED FOR MEN'S	NUMBER OF FIXTURES REQUIRED FOR WOMEN'S	FACTORS	NUMBER OF FIXTURES REQUIRED	FACTORS	NUMBER OF FIXTURES REQUIRED	
ASSEMBLY - (A-5)	30 - MEN	1 per 75	1		1 per 200	1			
ASSEMBLY - (A-5)	30 - WOMEN	1 per 40		1	1 per 150	1			
ASSEMBLY - (A-5)	60 - MEN & WOMEN						1 per 1,000	1	1 REQUIRED
COMPLIANCE CHECK		MEN'S TOILET ROOM			WOMEN'S TOILET ROOM		LINDBERGH PARK SHELTER △ 2		
		URINALS	WATER CLOSET	LAVATORIES	WATER CLOSET	LAVATORIES	DRINKING FOUNTAINS		SERVICE SINK
REQUIRED PLUMBING FIXTURES			1	1	1	1	1		1
PLUMBING FIXTURES PROVIDED PER PLAN		1	1	2	2	2	2 (ONE D.F. IS ACCESSIBLE & ONE D.F. IS AT STANDARD HEIGHT)		1



5 FIBERGLASS GRATING PLAN
 A-101 1" = 1'-0"

ADDENDUM 02



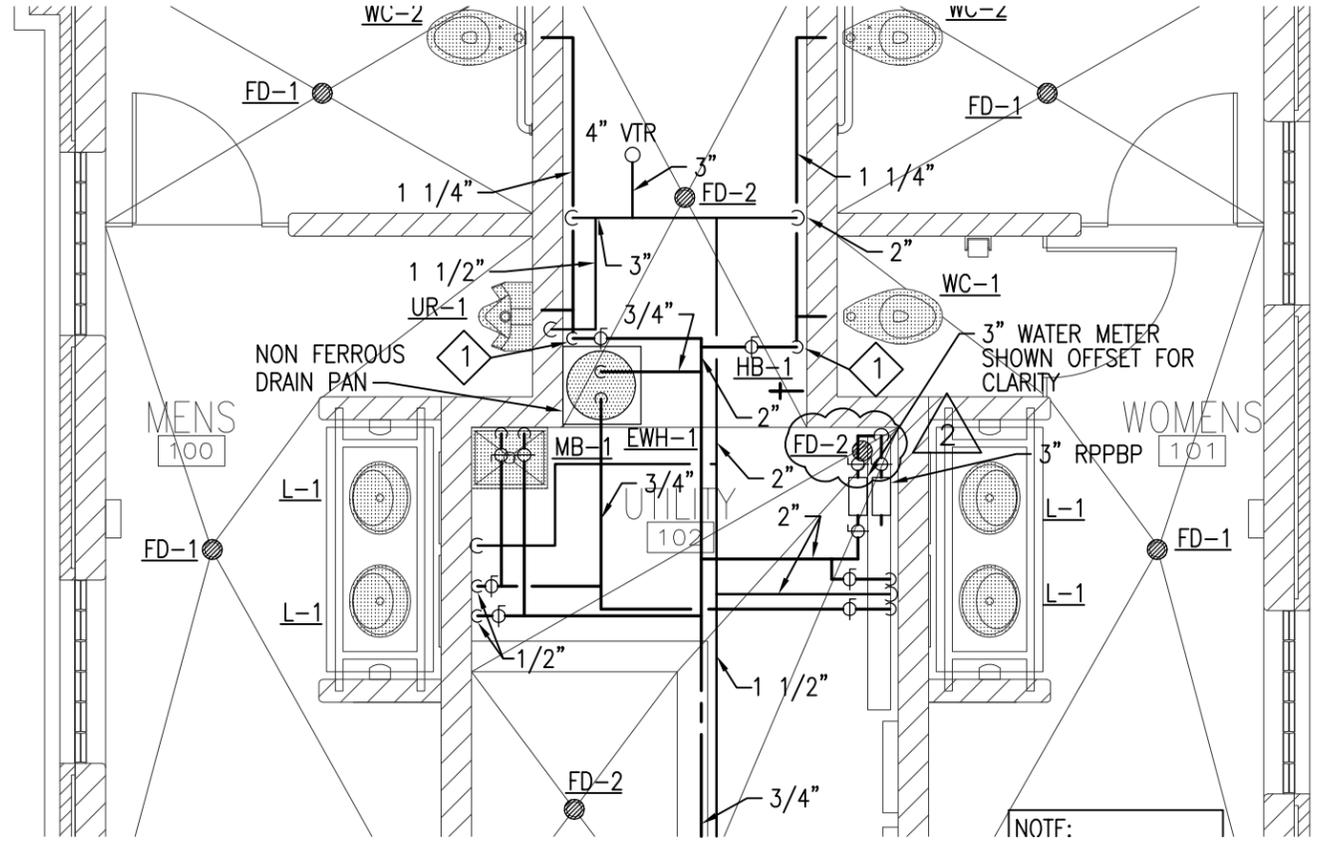


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A-302

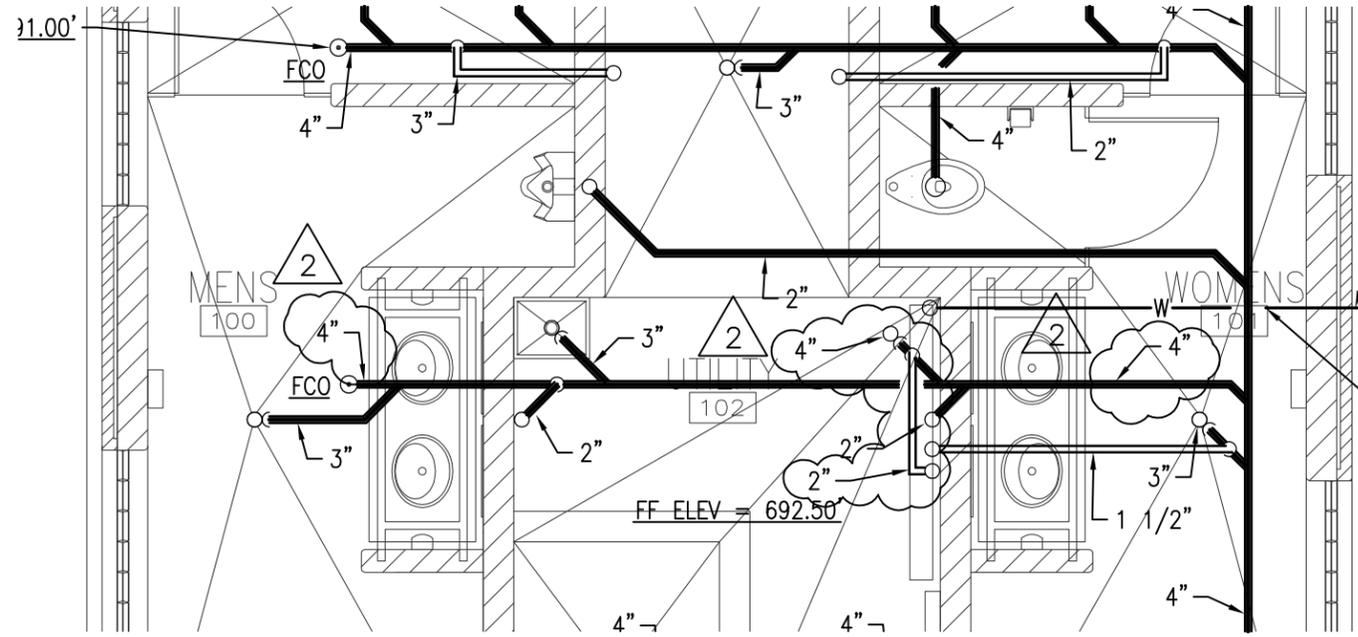
PAVILION: WALL SECTION / SPASH PAD EQUIP. PIT (PARTIAL)

1" = 1'-0"





2 PARTIAL ABOVE FLOOR PLUMBING PLAN
 P2.0 1/4" = 1'-0"



1 PARTIAL FOUNDATION PLUMBING PLAN
 P2.0 1/4" = 1'-0"

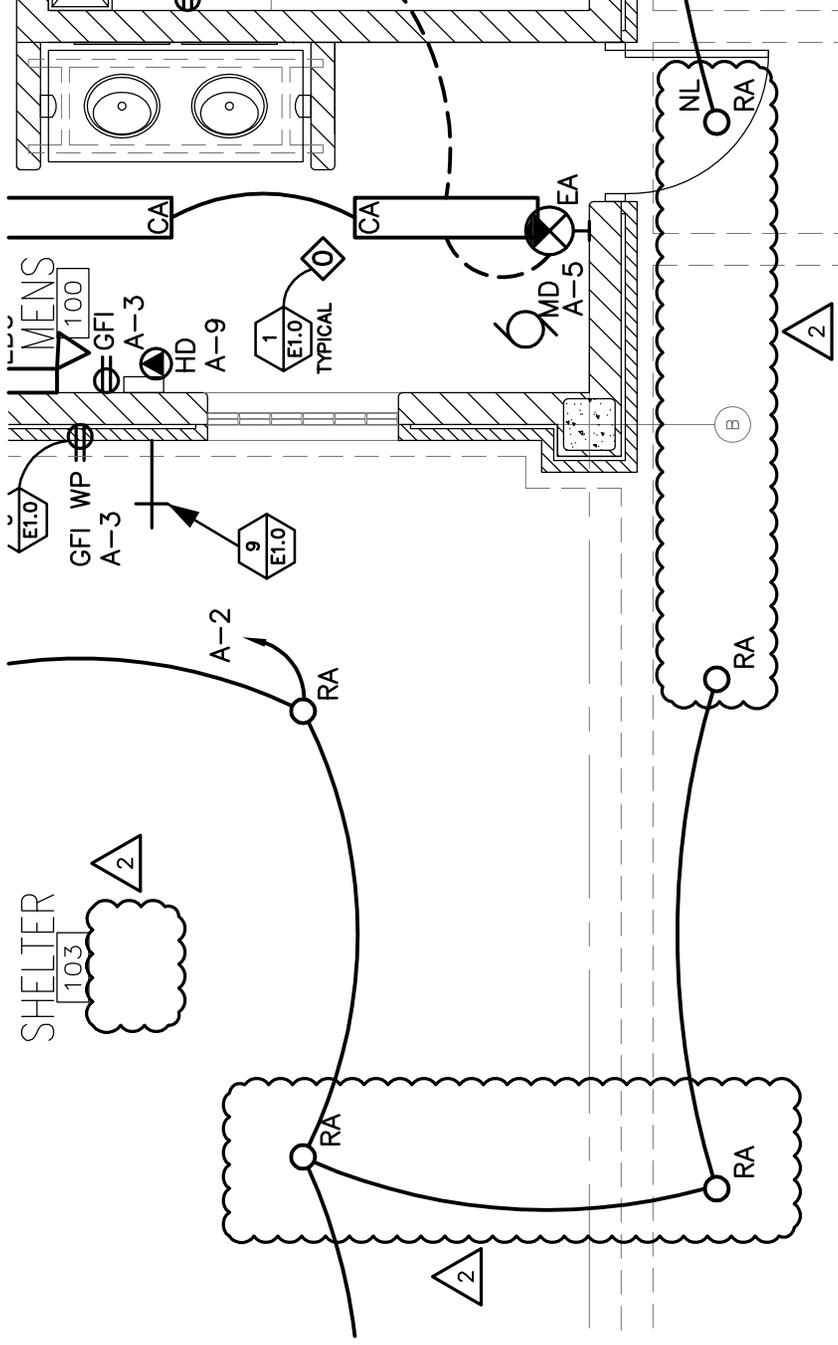


SYMBOLS

-  FLUORESCENT LIGHTING FIXTURE
-  CEILING RECESSED LIGHTING FIXTURE
-  NIGHTLIGHT
-  CEILING MOUNTED OCCUPANCY SENSOR
- 

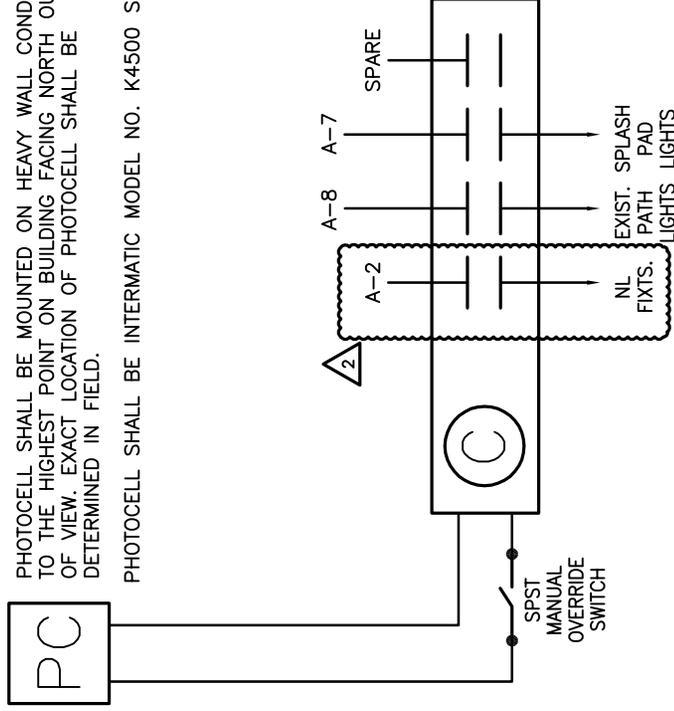
ADDENDUM 02
REF. SHT: EL





PHOTOCELL SHALL BE MOUNTED ON HEAVY WALL CONDUIT TO THE HIGHEST POINT ON BUILDING FACING NORTH OUT OF VIEW. EXACT LOCATION OF PHOTOCELL SHALL BE DETERMINED IN FIELD.

PHOTOCELL SHALL BE INTERMATIC MODEL NO. K4500 SERIES

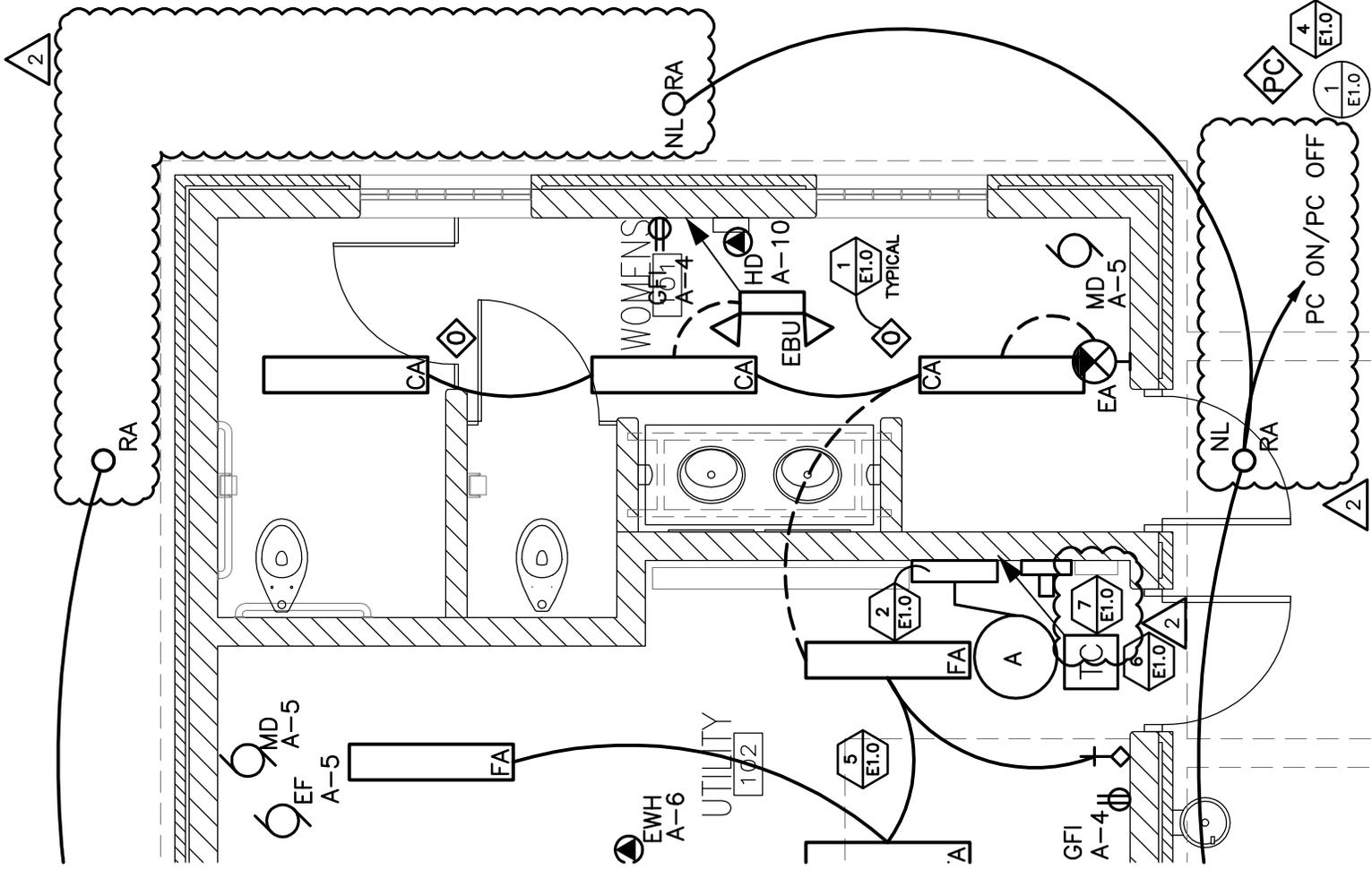


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E1.0

EXTERIOR LIGHTING CONTROL RISER

NO SCALE





ADDENDUM 02
 REF. SHT: E1.0

PROJECT #
 1076-1417
 DATE: 04/17/2013
 SITE NO:
 696
 BLDG NO:
 1400

E-3

Department of Parks, Recreation, & Culture
Lindbergh Park Pavilion and Splash Pad
 3629 North 16th Street, Milwaukee, Wisconsin 53206



MILWAUKEE COUNTY DEPARTMENT
 OF ADMINISTRATIVE SERVICES
 CITY CAMBUS 2711 W. WELLS ST. 2ND FLOOR MILWAUKEE, WI 53206

**SECTION 08 22 00
FIBERGLASS REINFORCED PLASTIC (FRP) DOOR & FRAMES**

PART 1 GENERAL

1.1 SUMMARY

- A. Section includes non-rated and fire-rated fiberglass reinforced plastic (FRP) doors and frames.
- B. Related Sections:
 - 1. Section 04 27 13 – Cavity Wall Unit Masonry
 - 2. Section 07 90 00 – Joint Protection.
 - 3. Section 08 13 14 – Standard Steel Doors
 - 4. Section 08 71 00 - Door Hardware.

1.2 REFERENCES

- A. ASTM International:
 - 1. ASTM D638 – Standard Test Method for Tensile Properties of Plastics.
 - 2. ASTM D695 - Standard Test Method for Compressive Properties of Rigid Plastics.
 - 3. ASTM D732 - Standard Test Method for Shear Strength of Plastic by Punch Tool.
 - 4. ASTM D790 - Standard Test Method for Flexural Properties of Unreinforced and Reinforced Plastic and Electrical Insulating Materials.
 - 5. ASTM E84 – Surface Burning Characteristics of Building Materials.
- B. SFBC 3603.2 – Forced Entry Resistance Test

1.3 SUBMITTALS

- A. Section 01 33 00 - Submittal Procedures: Submittal procedures.
- B. Shop Drawings: Indicate door and frame elevations, reinforcement, anchor types and spacing, location of cutouts for hardware, and finish.
- C. Product Data: Submit door and frame configuration and finishes.
- D. Manufacturer's Installation Instructions: Submit special installation instructions.
- E. Manufacturer's Certificate: Certify products meet or exceed specified requirements

1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications: A company that specializes in manufacturing FRP doors and frames with a minimum of 5 years experience.
- B. Quality Assurance: Obtain all FRP doors and frames from a single manufacturer to ensure consistent quality.
- C. Construction: Verify that FRP doors and frames are manufactured utilizing pultruded fiberglass components for flexibility, durability, superior strength and chemical resistance. Press-molded frames will not be accepted.
- D. Fire-rated frame construction conforms to products tested under ASTM E152, UL10C and NFPA 252.

- E. Install FRP doors and frames conforming to NFPA 80 for fire-rated class.
- F. Flame Spread: All FRP doors and frames shall have a flame-spread classification of 25 or less per ASTM E84 and shall be self extinguishing per ASTM D635.
- G. Attach label from agency approved by authority having jurisdiction to identify each fire rated door and frame.
- H. Hardware Reinforcement: FRP doors and frames shall be fabricated with a minimum screw holding strength of 1,00 lbs. Tested with a #12 x 1-1/4 inch hinge screw.
- I. Paint Adhesion: Coating for FRP doors and frames to conform to AAMA 624-07 for color uniformity, film adhesion, specular gloss, direct impact, abrasion resistance, and chemical resistance.
- J. Perform Work in accordance with State of Wisconsin – Commercial Building Code.
- K. Maintain one copy of each document on site.

1.5 WARRANTY

- A. Include ten (10) years free from defects in material and workmanship from date of shipment, and lifetime from corrosion from date of shipment, provided that the structural integrity of the (FRP) doors and frames have not been comprised.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Section 01 60 00 - Product Requirements: Product storage and handling requirements.
- B. Deliver FRP doors and frames cardboard-wrapped or crated to provide protection during transit and job site storage. Provide additional protection to prevent damage to factory finish-finished frames.
- C. Inspect FRP doors and frames on delivery for damage to finish, and notify shipper and supplier if damage exists.
- D. Avoid using non-vented plastic or canvas covers that could create a humidity chamber. Break seal on-site to permit ventilation.

1.7 COORDINATION

- A. Section 01 30 00 - Administrative Requirements: Coordination and project conditions.
- B. Coordinate Work with frame opening construction, door and hardware installation.

PART 2 PRODUCTS

2.1 FIBERGLASS REINFORCED PLASTIC DOORS AND FRAMES

- A. Manufacturers:
 - 1. Edgewater FRP Door
 - 2. Substitutions: Approved Equal.

- B. Exterior Doors: Provide doors complying with requirements indicated below:
 - 1. E-P series (Extra Heavy Duty)
 - 2. Doors to have full height heavy-duty vertical fiberglass stiffeners 6 inches on center for superior strength.
 - 3. Expanded polystyrene solid foam core
- C. Exterior Frames: Provide pultruded fiberglass frames for exterior doors
 - 1. Frames: E-P (premier), series fiberglass doors to be manufactured from 0.1875 inch thick fiberglass pultrusions.
- D. All frames shall be 100% pultruded fiberglass with an average 50% glass content by weight which results in an industrial fiberglass frame, equal to a 14 gauge hollow metal frame.
- E. Standard one piece FRP profile with integral stop. Profile detailed as indicated on drawings.
 - 1. Knock down frames for field assembly is not accepted.
- F. FRP frames shall be reinforced and mortised for hardware in accordance with the hardware schedule, manufacturer's instructions and templates. No metal reinforcements will be allowed.
- G. FRP Frame Construction provide:
 - 1. Corner reinforcement.
 - 2. Continuous hinge reinforcement.
 - 3. Closer reinforcement.
 - 4. Strike reinforcement.
 - 5. Temporary spreader bars.
 - 6. Anchoring system:
 - a. Furnish at least four (4) anchors in each jamb of frames, in shapes sizes and spacing shown or required for anchorage into adjoining wall construction.
 - 1) New masonry: T-strap or wire anchor, stainless steel.

2.2 ACCESSORIES

- A. Silencers: vinyl fitted into drilled hole.
- B. Weather-stripping: Specified in Section 08 71 00.

2.3 FABRICATION

- A. General: Fabricate fiberglass door and frame units to be rigid, neat in appearance, and free from defects including warp and buckle. Where practical, fit and assemble units in manufacturer's plant. Clearly identify work that cannot be permanently factory assembled before shipment, to assure proper assembly at Project site.
- B. Core Construction: Manufacturer's standard core construction that complies with the following:
 - 1. E-P (premier) series to have full height vertical fiberglass stiffeners, 6 inches on center. Voids to be filled with expanded polystyrene foam
 - 2. Door Faces: Laminated composite faces shall be urethane fused to the stile and rail assembly, including the vertical stiffeners and core material, utilizing a two-part 100 percent reactive urethane adhesive, and then cured under pressure until completely bonded

3. Clearances: Not more than 1/8 inch (3.2 mm) at jambs and heads, except not more than 1/4 inch (6.4 mm) between pairs of doors. Not more than 3/4 inch (19 mm) at bottom, with standard being 5/8 inch (15.9 mm) at bottom.
4. Door Edges: Lock stile to be factory beveled 1/8" in 2" for rub-free operation. Square lock-edge will not be accepted.
5. Tolerances: Maximum diagonal distortion - 1/16 inch (1.6 mm) measured with straight edge, corner-to-corner.
6. Hardware Reinforcement: Fabricate all hardware reinforcements utilizing premium high density polyethylene (HDPE) and fiberglass blocking. Any form of wood or metal reinforcements will not be accepted.
7. Exposed Fasteners: Unless otherwise indicated, provide stainless steel, countersunk flat or oval heads for exposed screws and bolts.
8. Hardware Preparations: Prepare doors and frames to receive mortised and concealed hardware according to final door hardware schedule and templates provided by hardware supplier. Doors and frames must be factory pre-drilled for all mortised hardware preps. Pilot and through-bolt holes for all surface mounted hardware to be drilled at the project site during installation.
9. Fabricate frames as standard one-piece FRP profile with integral stop. Profile detailed as indicated on drawings
10. Terminate doorstops 6 inches above finished floor. Cut stop at 45-degree angle and close.
11. Frame Construction: Fabricate frames to size and shape shown on drawings.
 - a. Fabricate frames with mitered resin-welded corners and seamless face joints.
 - b. Provide set-up and resin welded frames with temporary spreader bars.
 - c. Hardware Locations: Locate hardware as indicated on shop drawings or if not indicated, according to manufacturers standard locations.

2.4 SHOP FINISHING

- A. Prime Finish: Pre-clean and shop prime each FRP frame ready for finish painting, performed at the jobsite under Section 09 90 00.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Section 01 30 00 - Administrative Requirements: Coordination and project conditions.
- B. Verify opening sizes and tolerances are acceptable.

3.2 INSTALLATION

- A. Coordinate with masonry wall construction for anchor placement.
- B. Coordinate installation of frames with installation of hardware specified in Section 08 71 00 and doors in Section 08 13 15.
- C. Touch-up factory finished frames.

3.3 ERECTION TOLERANCES

- A. Section 01 40 00 - Quality Requirements: Tolerances.
- B. Maximum Diagonal Distortion: 1/16 l inch measured with straight edges, crossed corner to corner.

P070-12417

END OF SECTION