A D D E N D U M 0 3

The attention of bidders submitting proposals for the subject project noted above is called to the following Addendum to the Contract Forms and Specifications.

The items set forth herein, whether of omission, addition, substitution or clarification, are to be included in and form a part of the proposal submitted.

This Addendum consists of the following information:

Part 1	Division #0, Bidding and Contract Requirements	NOT USED
Part 2	Technical Changes, Architectural, Structural and Civil……	
Part 3	Technical Changes, Mechanical, Electrical and Plumbing …….	NOT USED
Part 4	Drawing Changes, Architectural and Civil…….	
Part 5	Drawing Changes, Structural……	NOT USED
Part 6	Drawing Changes, Mechanical, Electrical and Plumbing……	NOT USED
Part 7	Clarifications	
Part 8	New Issues – List of Included Documents	

Part 2 Technical Changes, Architectural, Structural and Civil

1. Section 083613 –Section 2.1 Manufacturers – A. Basis of Design Product add,
   "*6. Liftmaster, The Chamberlain Group LLC"*

2. Section 083613 –Section 2.2 Products add,
   "*B. Basis Of Design Product for Low-Headroom: Liftmaster 8500W Wall Mounted Garage door Opener with DC Battery Backup and WIFI"*

Part 4 Drawing Changes, Architectural, Structural and Civil

3. Drawing A200 –Ground Floor Plan (Lower Level) – Revision to Finish Schedule,
   "*014 Kitchen*
   a. Walls – GWB, FRP"

Part 7 Clarifications

1. The cement underlayment thickness for the Hydraulic Cement Underlayment per spec section #035416 is listed under Part 2 of the spec section.

2. FRP in kitchen to be at max height possible, see ceiling height on the finish schedule provided on A200.

3. No further extensions to the bid date will be granted at this time.

4. Insurance requirements are provided in section 007000 within AIA A201 General Conditions.

5. The deduct value under the add alternate titled "Hydronic Boiler" is for both units and the value of one is to be priced.

6. There is no BMS system in the project.

7. For the exterior A2 Fixture above door 103 the fixture is to be wired to the exterior lighting circuit. For wiring provide, 2 #12+1#12G in 3/4" C.

Part 8 New Issues – List Of Included Documents

097750 Fiber Reinforced Plastic Coated Panels	4 Pages

End of Addendum

SECTION 097750 - FIBER REINFORCED PLASTIC COATED PANELS

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes fiberglass reinforced polyester (FRP) panels and high pressure laminate (HPL) faced fiberglass reinforced plastic (FRP) for cladding walls, columns and casework.

1.2 ACTION SUBMITTALS

A. Product data for each type of product specified. Include data on physical characteristics, durability, fade resistance, and flame resistance characteristics.

B. Samples for initial selection purposes of each type and color available for fiber reinforced plastic coated panels and molding accessory required of size indicated below:

1. 3 inch square sample of each fiber reinforced plastic coated panel specified.
2. 6-inch long sample of each molding accessory.

1.3 INFORMATIONAL SUBMITTALS

A. Product certificates signed by fiber reinforced plastic coated panel manufacturer certifying materials furnished comply with specified requirements.

B. Certified test reports showing compliance with requirements for fire performance characteristics and physical properties.

C. Maintenance data for inclusion in Division 01 Section "Closeout Procedures." Include the following:

1. Methods for maintaining fiber reinforced plastic coated panels.
2. Precautions for use of cleaning materials and methods that could be detrimental to finishes and performance.

1.4 QUALITY ASSURANCE

A. Fire Performance Characteristics: Provide fiber reinforced plastic coated panels with the following surface burning characteristics as determined by testing identical products per ASTM E 84 by UL or other testing and inspecting organizations acceptable to authorities having jurisdiction. Identify fiber reinforced plastic coated panels with appropriate markings of applicable testing and inspecting organization.

1. Flame Spread: 25 or less.
2. Smoke Developed: 450 or less.

B. Installer Qualifications: Arrange for installation of fiber reinforced plastic coated panels by a firm that can demonstrate successful experience in installing similar in type and quality to those required for this Project.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Protect units during transit, delivery, storage, and handling to prevent damage, soilage, and deterioration.

1.6 PROJECT CONDITIONS

A. Maintain a constant temperature not less than 70˚F in installation areas for at least ten (10) days before and ten (10) days after installation.

B. Field Measurements: Where units are indicated to be fitted to other construction, check actual dimensions of other construction by accurate field measurements; show recorded measurements on final shop drawings. Coordinate manufacturing schedule with construction progress to avoid delay of Work.

PART 2 - PRODUCTS

2.1 MANUFACTURERS:

A. Basis-of-Design Manufacturer: Subject to compliance with requirements, provide FRP products as manufactured by Marlite, Division of Commercial and Architectural Products, Inc. or an approved equivalent by one of the following:

1. Crane Composites, Inc.
2. Kal-Lite.

2.2 FRP PANELS:

A. FRP Panels: High gloss fiberglass reinforced polyester panels 0.09" thick with pebbled embossed textured surface, Class A fire rating, 4-feet wide by height required.

1. Color: P 100 White
2. Basis of Design Product: Standard FRP by Marlite, or equal.
3. Location: Wall cladding in kitchen.

B. High Pressure Laminate (HPL) faced Fiberglass Reinforced Plastic (FRP): Exceptionally high wear resistant panel fabricated by thermally bonding melamine impregnated surfacing materials directly to the FRP core.

1. Panel Size: 47-1/2” x 95-1/2” x 3/32” (nominal)
2. Class A fire rating
3. Impact Test: ASTM D5420-04 product on ½” Drywall; minimal damage

4. Colors:
   a. Designer White D354

5. Basis of Design Product: Induro by Marlite, or equal.

C. Accessories: Provide inside corner, outside corner, division molding and edge trim moldings by same manufacturer, matching wall panels.

D. Adhesive: Manufacturer's standard low odor, VOC compliant, non-flammable latex based adhesive for use and substrate.

E. Sealant: Manufacturer's standard clear silicone sealant meeting local VOC requirements.

PART 3 - EXECUTION

3.1 PREPARATION

A. Examine substrates for compliance with requirements for installation tolerances and other conditions affecting installation and performance of fiber reinforced plastic coated panels. Do not proceed with installation until unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Clean substrates of projections and substances detrimental to application.

B. Acclimate panels to room temperature for 48 hours prior to installation.

C. Follow manufacturer's printed instructions for surface preparation.

3.3 INSTALLATION

A. Do not use materials that are unsound, warped, bowed or twisted.

B. Install fiber reinforced plastic coated panels plumb, level, true, and aligned with adjacent materials.

1. Scribe and cut panels to fit adjoining work.
2. Install to tolerance of 1/32 inch in 8 feet for plumb and level.
3. Coordinate with materials and systems that may be in or adjacent to panels. Provide cutouts for mechanical and electrical items that penetrate.

C. Plan fiber reinforced plastic coated panel layout, balancing panel sizes at corners.

1. Adhere division molding and work from center of wall to corners.

2. Adhere FRP panels to substrate in accordance with manufacturer's written instructions.
3. Stagger joints between panels and substrate material.
4. Provide moldings at all sides of panels. Adhere ceiling line and curb moldings in place with sealant, and provide sealant in molding channels prior to insertion of panels.
5. Remove excess sealant from panel surfaces immediately.

3.4 ADJUSTING AND CLEANING

A. Repair damaged or defective fiber reinforced plastic coated panels where possible to eliminate functional or visual defects. Where not possible to repair, replace fiber reinforced plastic coated panels.

B. Remove excess adhesive at finished seams, perimeter edges, and adjacent surfaces.

C. Use cleaning methods recommended by the fiber reinforced plastic coated panel manufacturer.

D. Replace panels that cannot be cleaned.

3.5 PROTECTION

A. Provide final protection and maintain conditions that ensure panels are without damage or deterioration at time of Substantial Completion.

END OF SECTION 097750