DeScipio and Associates, Inc.
Joseph DeScipio, AIA

Architecture

PO Box 104
Elmhurst, Pa. 18416
570-842-0407

ADDENDUM # 2

1-4-10

Northeast Pennsylvania Center for Independent Living

The following items supplement plans and specifications for the referenced project. Contents are intended to add, clarify, correct or otherwise revise items included in the plans and specifications, and will become part of the contract documents.

CONTENTS OF ADDENDUM #2:

SPECIFICATIONS (8-1/2" X 11") - new:

04720 – Cast Stone (7 pages)
07270 – Weather Barriers (5 pages)
07290 – Flexible Flashing Systems (4 pages)
07620 – Sheet Metal Flashing and Trim (1 page)
08411 – Aluminum Framed Entrances and Storefronts (6 pages)
08440 – Glazed Aluminum Curtain Walls (6 pages)
08540 – Fiberglass Framed Windows (5 pages)
12356 – Casework and Countertops (2 pages)

SPECIFICATIONS (8-1/2" X 11") - revised:

09911 – Painting (2 pages)

DRAWING SHEETS (30X42) – new, (dated 1-4-10):

A4.3 Walls Sections & Details
A8.0 Cabinetry & Details, Interior Elevations

AND THE FOLLOWING TEXT:

cc: all bidders
File

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ADDENDUM # 2

Northeast Pennsylvania Center for Independent Living

A. **PROCEDURAL ITEMS DURING BIDDING:**

1. Specification section 01600 – Product Requirements is in the spec book, however it is not listed on the table of contents.
2. The fax number for DeScipio & Associates listed on the drawings sheets is incorrect. The correct fax number for DeScipio & Associates is 570-842-8776.

B. **PROCEDURAL ITEMS DURING CONSTRUCTION:**

1. The bid form will be revised to add an alternate for curbing and sidewalks along Walnut street and Sanderson Ave.

C. **GENERAL COMMENTS:**

1. Allowances:
   i. Provide an allowance of $ 2,000 each or a total of $4,000 in the base bid for (2) new 6 ft. high lockable iron garden gates in locations as shown on sheet C2.0.
2. Trees & Shrubs: The owner will contract directly for trees, shrubs and evergreens, therefore do not include any moneys in the base bid for these items. However, grading, topsoil, seeding, fertilizers, erosion control matting on disturbed areas shall be part of the general contractors work as outlined in specification section 02900 and as shown on the civil drawings.
3. Exterior Building Sign: The owner will contract directly for the exterior building sign shown on sheet A2.0. Therefore, do not include any moneys in the base bid for the costs of furnishing and supplying this sign. The general contractor will be responsible for coordinating the installation of this sign with the owner's sign contractor.
3. Exterior Hand Railings: Stair railing material shall be 1-1/2" dia. (schedule 40) welded anodized aluminum. Exterior railing locations are:
   a. One side of new stair as shown on sheet C4.0
   b. One side of existing stair as shown on sheet C2.0
   c. Both sides of new stairs between building as shown on sheet A1.1 & sheet A2.0
4. Exterior Wood Deck and Stair (between buildings): The composite decking material (deck and treads) shall be Trex Accents: Fire Defense (1.5" x 5.5"), or approved equal. The structural framings (joists, stringers, ledgers, etc.) will remain pressure treated.
5. Interior Hand Railings: Stair railing material shall be 1-1/2" dia. (schedule 40) steel handrails, painted. Interior railing locations are:
   a. Both sides of stair #1, as shown on sheet A1.1
   b. Both sides of stair #2, as shown on sheet A1.1
6. Interior Stair Construction: The construction of Stair #1 and Stair #2 shall be:
   a. Boxed 5/4" wood stringers plowed out to receive wood treads and raisers.
   b. (2) Intermediate 2 x 12 stringers
   c. 5/4" treads and 1x risers, all glued and screwed together
   d. ¾" x 1-1/2" wood fillet attached to underside of tread nosing for ADA compliance.
   e. Treads and risers covered with Burke Mercer Rouleau Rubber stair Treads
   f. Provide load bearing metal stud knee wall (at mid span of stair stringers) of stair #02.
   g. Provide 5/8" drywall to underside of stair stringers and knee wall of stair #02.

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h. Mid landing of stair #01, shall be concrete slab on grade covered with Vinyl composite tile as listed on room finish schedule sheet A6.0.

7. Wood Framing over toilet Room # 203:
   a. On sheet A4.1 / section WS-5, rotate roof joists 90 degrees to coordinate with Structural sheets (S2.2 & S5.2)
   b. Change 6" metal stud walls to 2x6 wood stud (16"o/c) bearing walls
   c. Omit 6x6 angle shown on sheet S5.2, section 1.

A. **COMMENTS RELATED TO SPECIFIC SHEETS:**

8. S5.2 Typical Framing Sections and Details (sheet not attached nor graphically revised)
   a. On sections 1 & 2, omit "Exterior curtainwall façade" along column line 9.5 and column line E. Exterior walls at these locations will be metal stud and sheathing as shown on sheets A3.0 / Section C and Sheet 4.1 / Section WS5.
9. M3.2 HVAC First Floor Piping Plan (sheet not attached nor graphically revised)
   a. On manifold detail, references to "warm board subfloor", "joist space" and 2x6 wall studs" do not apply therefore ignore. Radiant floor is in slab on grade and stud walls are metal.

cc: all bidders
File

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Exterior architectural cast stone.

1.2 RELATED SECTIONS

A. Wood Framing Notes sheet S0.1

B. Section 07620 - Sheet Metal Flashing and Trim.

C. Section 07900 - Joint Sealers.

1.3 TERMINOLOGY

A. Attachment Adhesive: Portland cement based synthetic adhesive used to bond the cast stone to the substrate.

B. Grout: Mortar-like synthetic grout used in joints between ends of cast stone pieces.

C. Substrate: The surface to which the cast stone is attached.

D. Cast Stone: Individual pieces of factory-fabricated, cast architectural stone.

1.4 REFERENCES

A. ASTM International (ASTM):
   1. ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens.
   2. ASTM C 297 - Standard Test Method for Flatwise Tensile Strength of Sandwich Constructions.
   3. ASTM D 2247 - Standard Practice for Testing Water Resistance of Coatings in 100 Percent Relative Humidity.
   4. ASTM E 84 - Standard Test Method for Surface Burning Characteristics of Building Materials.

B. International Code Council (ICC): ICC-ES AC 219 - Acceptance Criteria for Exterior Insulation and Finish Systems.

C. Gypsum Association GA-253: Recommended Specifications for the Application of Gypsum Sheathing.

D. Gypsum Association GA-254 - Fire Resistant Gypsum Sheathing.

1.5 PERFORMANCE REQUIREMENTS

A. Cast Stone: Products shall meet the following performance characteristics:
   1. Accelerated Weathering: ASTM G 155, passed, 2,000 hours; no deleterious effects, no cracking, checking, crazing, erosion, rusting, blistering, peeling or delaminating.
   2. Freeze/Thaw Resistance: ICC AC 219, passed, 10 cycles no deleterious effects, no cracking, checking, crazing, erosion, rusting, blistering, peeling or delaminating.
   3. Water Absorption: ASTM C 1185, < 4%, passed; no deleterious effects, no cracking, checking, crazing, erosion, rusting, blistering, peeling or delaminating.

4. Tensile Adhesion: ASTM C 297, 25 PSI, Minimum 15 PSI.
5. Water Resistance: ASTM D 2247, passed, passed 14 days no deleterious effects, no cracking, checking, crazing, erosion, rusting, blistering, peeling or delaminating
6. Salt Spray: ASTM B 117, no deleterious effect, passed at 300 hours no deleterious effects, no cracking, checking, crazing, erosion, rusting, blistering, peeling or delaminating
7. Surface Burning Characteristics: ASTM E 84, 0 Flame Spread/ 0 Smoke Develop, passed.
8. Compressive Strength: ASTM C 39, < 7,000 PSI, passed.
9. Flexural Strength: ASTM C 1185/1186, 1,560 PSI, passed.

1.6 SUBMITTALS

A. Submit under provisions of Section 01300.

B. Product Data: Manufacturer's data sheets on each product to be used, including:
1. Preparation instructions and recommendations.
2. Storage and handling requirements and recommendations.
3. Installation methods.
4. Cleaning and maintenance instructions.

C. Shop Drawings: Provide detailed dimensioned elevations of each unit. Show drawings shall include the following:
1. Preparation instructions and recommendations.
2. Storage and handling requirements and recommendations.

D. Verification Samples: For each finish product specified, two hand-size samples of colors, textures and shapes to be used on the project.

E. Warranty: Copy of manufacturer's standard warranty.

1.7 QUALITY ASSURANCE

A. Manufacturer Qualifications: Cast stone manufacturer shall have a formal, written internal quality control program in effect when producing the cast stone.

B. Installer Qualifications:
1. Installer experienced to perform work of this section when specialized in the installation of work similar to that required for this project.
2. Submit reference list of completed projects.

1.8 DELIVERY, STORAGE, AND HANDLING

A. Deliver all materials in their original sealed containers bearing manufacturer's name and identification of product.

B. Protect liquid materials from freezing temperatures and temperatures in excess of 90 degrees F (32 degrees C). Store covered, out of direct sunlight.

C. Protect Portland cement and other dry powder type materials from moisture and humidity. Store under cover and off the ground in a dry location.

1.9 PROJECT CONDITIONS

A. Maintain ambient and surface temperatures above 40 degrees F (4 degrees C) during application and drying period, minimum 24 hours after application of cast stone.

B. For outdoor application, provide temporary protection as needed from precipitation, wind, airborne dust and debris, etc.

C. Provide supplementary heat for installation in temperatures less than 40 degrees F (4 degrees C).

D. Provide protection of surrounding areas and adjacent surfaces from application of cast stone materials.

1.10 COORDINATION/SCHEDULING

A. The work in this section requires close coordination with related specifications sections and trades. Sequence work to provide protection of construction materials from weather deterioration.

B. Coordinate installation of cast stone with related wall elements, including, windows, doors, louvers, ducts, signage, flashings, sealants, weather resistive barrier, sealant tapes and membranes, supporting wall framing and sheathing, surface mounted objects, etc.
   1. Coordinate with installation of flashing, coping and sealants to ensure that materials are installed immediately after attachment adhesive is dry.
   2. Coordinate with installation of surface-mounted objects to ensure that watertight seal is provided.

1.11 WARRANTY

A. Manufacturer's Warranty: Upon completion of installation of cast stone, provide manufacturer's standard written limited materials warranty.

B. Contractor's Warranty: Upon completion of installation of cast stone, provide Contractor's standard written labor warranty, two years.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Acceptable Manufacturer: Architectural Cast Stone, Inc.; 1953 N. Ohio Street; Wichita, KS 67214; Phone: 1-866-350-7866; Fax: 316-262-5589; www.architecturalcaststone.com

B. Requests for substitutions will be considered in accordance with provisions of Section 01600.

2.2 CAST STONE

A. Cast stone shall be factory pre-fabricated mineral-based cast architectural stone pieces in various lengths, profiles, colors and surface finishes, and composed of minerals, cement, resin, reinforcing fibers and admixtures. Cast stone shall be a minimum of a 1/2 inch of cast material over a 1# EPS foam core.

B. Cast stone shall be cast as individual pieces in individual, non reusable foam molds created using a computer-controlled mold making process and/or rubber, fiberglass or wood manufactured molds.

C. Color of the cast stone shall be integral with the stone mixture or matrix.

D. Exposed surface of the cast stone shall be finished to match the approved sample.

E. Provide the following standard cast stone profiles:
   1. As indicated on the Drawings and (Sill style number S-600)

F. Provide additional pieces of cast stone in the following quantities, colors and profiles to the Owner for maintenance and repair use.

G. Profile: (Sill S-600) quantity: Three (3); color (as approved in shop drawings submittals)

H. Accessory Materials:
   1. Chinking Materials: Grout, ready-to use sand-textured liquid with integral color.
   2. Standard Base Adhesives: Master Wall Inc., "F and M Plus" or "F and M", and Dryvit Systems, Inc. Primus.
   3. Adhesive: Genesis Adhesive or equivalent.
   4. Surface Sealer: Tuscan Sealer.
   5. Sealant (Caulking): Approved Sealant.
   6. Sealant Backer Rod : As recommended by manufacturer.

I. Water: Clean, clear and potable.

J. Portland Cement: Type I in conformance with ASTM C 150, fresh and free of lumps.

PART 3 EXECUTION

3.1 EXAMINATION

A. Do not begin installation until substrates have been properly prepared.

B. If rough opening preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 SUBSTRATE INSPECTION

A. Verify substrate is suitable in accordance with manufacturer's recommendations. Check dimensions of substrate surfaces (length, width, height, radiuses, angles) and openings to insure that supporting wall surface, as built, will accept the pieces as manufactured.

B. Inspect pieces as delivered to insure that all the profiles, length, colors and finishes that are needed to install all the pieces are on hand.

C. Inspect Surfaces For the Following:
   1. Contamination including algae, chalkiness, dirt, dust, efflorescence, form oil, fungus, grease, laitance, mildew or other foreign substances.
   2. Surface absorption and chalkiness.
   3. Cracks; measure crack width and record location of cracks.
   4. Damage and deterioration.
   5. Moisture content and moisture damage. Use a moisture meter to determine if the surface is dry enough to receive the pieces and record any areas of moisture damage.
   6. Compliance with specification tolerances. Record areas that are out of tolerance, greater than 1/4 inch in 8 feet (6mm in 2438 mm) deviation in plane.

D. Inspect sheathing application for compliance with manufacturer's recommendations.

E. Report deviations from the requirements of project specifications or other conditions that might adversely affect the installation to the Contractor. Do not start work until deviations are corrected.

3.3 SUBSTRATE PREPARATION

A. Repair damaged or cracked surfaces.

B. Level surfaces to comply with required tolerances in this specification.

C. Remove surface contaminants on concrete and concrete masonry surfaces, such a form release oils, dust, paint, waterproofing, and similar items.

D. Apply conditioner to substrate by sprayer or roller to chalking or excessively absorptive surfaces.

3.4 CAST STONE INSTALLATION

A. General: Install in accordance with manufacturer's recommendations.
1. Install one piece at a time, next to the most recently installed piece.
2. If multiple courses are to be installed, work from the bottom up.
3. Comply with the drawings and manufacturer's drawings for location of pieces and joints.
4. Do not add any other materials to the adhesive mixture other than those listed below. Prohibited additional materials include rapid binders, anti-freeze, resins, pigments, sand, lime, aggregates, minerals, extenders, nor more than 1 cup total of water.
5. Compare the dimensions of each piece to be installed in a specific location to see if it will fit, prior to applying the adhesive and attaching the piece to the substrate.
6. If the piece is too long, or if a precision fit is required (no Grout joints) trim the piece using a masonry or diamond saw, or by diamond grinding.

B. Preparation of Attachment Adhesive:
1. Mix only enough attachment adhesive at one time that can be used for the size of the wall area being built, and before the adhesive starts to set.
2. Follow approved adhesive manufacturer's preparation instructions on the packaging and the manufacturer's written paper instructions.

C. Attachment to Substrate:
1. Install piece (with adhesive applied) to the substrate.
2. Press the piece against the substrate, press firm to achieve full contact of adhesive with substrate.
3. Align pieces in the same plane the visible outside surfaces of adjacent pieces.
4. Use positive means, such as spacers, to maintain consistent Tuscan Grout joint width spacing.

D. Temporary Support for Pieces:
1. Using positive means such as screws, nails, wires, straps, tapes, ties or props, support the piece so as to maintain adhesion and correct position while the adhesive is curing. Do not run fasteners through the pieces.

E. Curing of Attachment Adhesive:
1. Maintain temperature above 40 degrees F for at least overnight as the adhesive sets.
2. Protect the pieces from physical damage and precipitation during curing period.

F. Chinking Between Pieces:
1. Place strippable painters masking tape continuously on either side of joint at the edge of the piece.

2. Using specified Grout color and caulking gun, apply the Grout material into the joint. Use of backer rod to avoid unnecessary high-volume use of Grout material.
3. Tool joints convex, forcing the Grout into the joint and against the edge of the pieces, and make the Grout slightly convex and flush with the outside face of the piece.
4. Remove masking tape immediately after the Tuscan Grout has been tooled.

G. Applying Sealer:
1. Avoid application in direct sunlight.
2. Apply Sealer in a continuous application, and work to an architectural break in the wall, such as a corner, a projection or a joint.
a. Spraying: Preparation and application of sealer by spraying.

3.5 PROTECTION AND CLEANING

A. Protection:
1. Protect installed materials from water impinging on the visible surface, Tuscan Grout, sealants joints, and from behind.
2. Protect installed materials from dust, dirt, precipitation, freezing, damaged, spilled materials, and continuous high humidity until they are fully dry.

B. Cleanup and Job Close-Out:
1. Remove temporary supports, if employed, once adhesive and Tuscan Grout has set.
2. Remove left over materials from work area and dispose of properly.
3. Refurbish any adjacent areas adversely affected by this work.
4. Furnish Owner with extra pieces for future maintenance, if any, as specified herein.

C. Cleaning and Maintenance: Comply with the following recommendations and guidelines.
1. Avoid impacts. Care should be taken to protect pieces from impact as it can be chipped, especially at corners and edges.
2. Avoid the Use of Salt and Other Deicers:
a. In winter, use of any deicing compound, even if it is not chemically reactive with cast stone, can cause spalling and pop-outs by subjecting the pieces to the deleterious effects of naturally occurring freeze-thaw cycles.
b. New cast stone, less than one-year old, is especially susceptible to salt and deicer type of damage and may be affected with just one application. If salt or other ice melting chemicals must be used, apply Tuscan Sealer for protecting cast stone from the effects of salt and other deicers. Tuscan Sealer may prevent or significantly reduce the amount of damage that occurs from the use of deicers. When shoveling, sweeping, plowing, or snow-blowing deicer contaminated snow, efforts should be made not to throw the contaminated snow so that it lands on or against any cast stone (such as wall caps or trim) as this could lead to spalling of those items.
c. Since the effectiveness of most sealers will wear off over time, they may need to be reapplied periodically.
3. Protect Cast Stone from Extreme Heat: Do not expose extreme heat to pieces. Do not use torches to melt ice. Do not weld against pieces.
4. Cleaning Cast Stone Surfaces: Minimize abrading of the finish to promote the long-standing appearance, consistency, and integrity of the cast stone.
a. Primary recommended cleaning method (least abrasive), lightly scrub with a soft bristle fiber brush, using a mild detergent and water followed by a thorough rinse with clean running water.

b. Alternative cleaning methods (progressively more abrasive), use of a bucket of water with mild detergent and soft bristle brush.

c. Before cleaning, thoroughly drench all surrounding masonry and concrete surfaces to prevent the dirty wash-down water from being absorbed into it. When cleaning has been completed, wash down entire work area to ensure no residual dirty or contaminated rinse water remains. No acids or prepared cleaners shall be used without the approval of Tuscan Stoneworx.

END OF SECTION

SECTION 07270 – WEATHER BARRIERS

Northeastern Pennsylvania Center for Independent Living

PART 1 – GENERAL

1.1 SECTION INCLUDES

A. Weather barrier membrane
B. Seam Tape
C. Flexible Flashing Systems 07290
D. Fasteners

1.2 REFERENCES

A. ASTM International
   1. ASTM C920; Standard Specification for Elastomeric Joint Sealants
   2. ASTM C1193; Standard Guide for Use of Joint Sealants
   3. ASTM D882; Test Method for Tensile Properties of Thin Plastic Sheeting
   4. ASTM D1117; Standard Guide for Evaluating Non-woven Fabrics
   5. ASTM E84; Test Method for Surface Burning Characteristics of Building Materials
   6. ASTM E96; Test Method for Water Vapor Transmission of Materials
   7. ASTM E1677; Specification for Air Retarder Material or System for Framed Building Walls
   8. ASTM E2178; Test Method for Air Permeance of Building Materials
B. AATCC – American Association of Textile Chemists and Colorists
   1. Test Method 127 Water Resistance: Hydrostatic Pressure Test
C. TAPPI
   1. Test Method T-410; Grams of Paper and Paperboard (Weight per Unit Area)
   2. Test Method T-460; Air Resistance (Gurley Hill Method)

1.3 SUBMITTALS

A. Refer to Section 01300
B. Product Data: Submit manufacturer current technical literature for each component.
C. Samples: Weather Barrier membrane, minimum 8-1/2 inches by 11 inch.
D. Quality Assurance Submittals
   1. Manufacturer Instructions: Provide manufacturer’s written installation instructions.
E. Closeout Submittals
   1. Refer to Section 01700

1.4 QUALITY ASSURANCE

A. Qualifications
   1. Installer shall have experience with installation of similar weather barrier assemblies under similar conditions.
   2. Installation shall be in accordance with manufacturer’s installation guidelines and recommendations.
   3. Source Limitations: Provide weather barrier and accessory materials produced by single manufacturer.

1.5 DELIVERY, STORAGE AND HANDLING

A. Refer to Section 01600

B. Deliver weather barrier materials and components in manufacturer's original, unopened, undamaged containers with identification labels intact.

C. Store weather barrier materials as recommended by system manufacturer.

1.6 SCHEDULING

A. Review requirements for sequencing of installation of weather barrier assembly with installation of windows, doors, louvers and flashings to provide a weather-tight barrier assembly.

PART 2 - PRODUCTS

2.1 MANUFACTURER

A. DuPont Building Innovations; 4417 Lancaster Pike, Chestnut Run Plaza 721, Wilmington, DE 19805; 1-800-44-TYVEK (8-9835); http://construction.TYVEK.com

B. The Dow Chemical company; Dow Bulding Solutions; 200 Larkin; Midland, Mi. 48674; 1-866-583-2583; www.dowbuildingsolutions.com

2.2 MATERIALS

A. Basis of Design: Textured, spunbonded polyolefin, non-woven, non-perforated, weather barrier is based upon DuPont™ Tyvek® DrainWrap™ and related assembly components.

B. Performance Characteristics:

1. Air Penetration: 0.004 cfm/ft^2 at 75 Pa, when tested in accordance with ASTM E2178. Type I per ASTM E1677.
2. Water Vapor Transmission: 50 perms, when tested in accordance with ASTM E96, Method B.
3. Water Penetration Resistance: 210 cm when tested in accordance with AATCC Test Method 127.
4. Basis Weight: 2.1 oz/yd^2, when tested in accordance with TAPPI Test Method T-410.
5. Air Resistance: 300 seconds, when tested in accordance with TAPPI Test Method T-460.
6. Tensile Strength: 30/30 lbs/in., when tested in accordance with ASTM D882, Method A.
7. Tear Resistance: 7/9 lbs, when tested in accordance with ASTM D1117.
8. Surface Burning Characteristics: Class A, when tested in accordance with ASTM E84. Flame Spread: 5, Smoke Developed: 25

2.3 ACCESSORIES

A. Seam Tape: 3 inch wide, DuPont™ Tyvek® Tape as manufactured by DuPont Building Innovations.

B. Fasteners:

1. Tyvek® Wrap Caps, as manufactured by DuPont Building Innovations: #4 nails with large 1-inch plastic cap fasteners.

C. Sealants

2. Provide sealants that comply with ASTM C920, elastomeric polymer sealant to maintain watertight conditions.

3. Products:
   a. DOW GREAT STUFF PRO Gaps and Cracks Insulating foam sealant
   b. DOW GREAT STUFF PRO Window and Door Insulating Foam Sealant
   c. DOW FROTH-PAK FS – flame spread rating of 25
   d. All sealants must be compatible with weather barrier manufacturer

D. Adhesive:
   1. Provide adhesive recommended by weather barrier manufacturer.
   2. Products:
      a. Liquid Nails® LN-109
      b. Polyglaze® SM 5700
      c. Denso Butyl Liquid
      d. 3M High Strength 90
      e. SIA 655 or
      f. Adhesives recommend by the weather barrier manufacturer.

E. Primer:
   1. Provide flashing manufacturer recommended primer to assist in adhesion between substrate and flashing.
   2. Products:
      a. 3M High Strength 90
      b. Denso Butyl Spray
      c. SIA 655
      d. Permagrip 105
      e. ITW TACC Sta' Put SPH
      f. Primers recommended by the flashing manufacturer

F. Flashing
   1. DuPont™ FlexWrap™, as manufactured by DuPont Building Innovations: flexible membrane flashing materials for window openings and penetrations.
   2. DuPont™ StraightFlash™, as manufactured by DuPont Building Innovations: straight flashing membrane materials for flashing windows and doors and sealing penetrations and masonry ties, etc.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Verify substrate and surface conditions are in accordance with weather barrier manufacturer recommended tolerances prior to installation of weather barrier and accessories.

3.2 INSTALLATION – WEATHER BARRIER

A. Install weather barrier over exterior face of exterior wall substrate in accordance with manufacturer recommendations.
B. Start weather barrier installation at a building corner, leaving 6-12 inches of weather barrier extended beyond corner to overlap.
C. Apply wrap with grooved surface pattern in vertical direction.
D. Install weather barrier in a horizontal manner starting at the lower portion of the wall surface with grooved surface pattern in vertical position. Maintain weather barrier plumb and level.
E. Extend bottom roll edge over sill plate 2” to 3”. Seal weather barrier with sealant or tape. Shingle weather barrier over back edge of weep screed. Seal weather barrier with sealant or tape to weep screed. Ensure weeps are not blocked.
F. Subsequent layers shall overlap lower layers a minimum of 6 inches horizontally in a shingling manner.
G. Window and Door Openings: Extend weather barrier completely over openings.
H. Weather Barrier Attachment:
    1. Attach weather barrier to studs through exterior sheathing. Secure using weather barrier manufacturer recommended fasteners, space 12 -18 inches vertically on center along stud line, and 24 inch on center, maximum horizontally.
I. Apply 4 inch by 7 inch piece of DuPont™ StraightFlash™ to weather barrier membrane prior to the installation cladding anchors.

3.3 SEAMING

A. Seal seams of weather barrier with seam tape at all vertical and horizontal overlapping seams.
B. Seal any tears or cuts as recommended by weather barrier manufacturer.

3.4 OPENING PREPARATION (for use with flanged windows)

A. Cut weather barrier membrane in a modified “I-cut” pattern.
    1. Cut weather barrier horizontally along the bottom of the header.
    2. Cut weather barrier vertically 2/3 of the way down from top center of window opening.
    3. Cut weather barrier diagonally from bottom of center vertical cut to the left and right corners of the opening.
    4. Fold side and bottom weather barrier flaps into window opening and fasten.
B. Cut a head flap at 45-degree angle in the weather barrier membrane at window head to expose 8 inches of sheathing. Temporarily secure weather barrier membrane flap away from sheathing with tape.

3.5 FLASHING

A. Cut 9 wide DuPont™ FlexWrap™ a minimum of 12 inches longer than width of sill rough opening. Apply primer to sheathing as recommended by manufacturer.
B. Cover horizontal sill by aligning DuPont™ FlexWrap™ edge with inside edge of sill. Adhere to rough opening across sill and up jambs a minimum of 6 inches. Secure flashing tightly into corners by working in along the sill before adhering up the jambs.

C. Install pre-molded PVC sill pan flashing by DOW along bottom of rough opening.
D. On exterior, apply continuous bead of sealant to wall or backside of window mounting flange across jambs and head. Do not apply sealant across sill.
E. Install window according to manufacturer's instructions.
F. Apply 4-inch wide strips of DuPont™ StraightFlash™ at jambs overlapping entire mounting flange. Extend jamb flashing 1-inch above top of rough opening and below bottom edge of sill flashing.
G. Apply 4-inch wide strip of DuPont™ StraightFlash™ as head flashing overlapping the mounting flange. Head flashing should extend beyond outside edges of both jamb flashings.
H. Position weather barrier head flap across head flashing. Adhere using 4-inch wide DuPont™ StraightFlash™ over the 45-degree seams.
I. Tape head flap in accordance with manufacturer recommendations
J. On interior, install backer rod in joint between frame of window and flashed rough framing. Apply sealant around entire window to create air seal. Apply sealant in accordance with sealant manufacturer's instructions and ASTM C 1193.

3.6 PROTECTION

A. Protect installed weather barrier from damage.

END OF SECTION

SECTION 07290 – FLEXIBLE FLASHING SYSTEMS

Northeastern Pennsylvania Center for Independent Living

PART 1 – GENERAL

1.1 SECTION INCLUDES

A. Self-adhering flexible flashing DuPont™ FlexWrap™, DuPont™ StraightFlash™

B. Primers

C. Fasteners DuPont™ Tyvek® Wrap Caps

1.2 REFERENCES

A. ASTM International

1. ASTM C920; Standard Specification for Elastomeric Joint Sealants
2. ASTM C1193; Standard Guide for Use of Joint Sealants
3. ASTM E96; Test Method for Water Vapor Transmission of Materials
4. ASTM E331; Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference

1.3 SUBMITTALS

A. Refer to Section 01300 Submittal Procedures.

B. Product Data: Submit manufacturer current technical literature for each type of product.

C. Samples: Each type of product specified. 4 inches by 4 inches.

D. Quality Assurance Submittals

1. Design Data, Test Reports: Provide manufacturer test reports indicating product compliance with indicated requirements.
2. Manufacturer Instructions: Provide manufacturer’s written installation instructions.

1.4 QUALITY ASSURANCE

A. Qualifications

1. Installer shall have documented successful experience with installation of flexible flashing systems under similar conditions.
2. Installation shall be in accordance with manufacturer’s installation guidelines and recommendations.

1.5 DELIVERY, STORAGE AND HANDLING

A. Refer to Section 01600 Product Requirements.

B. Deliver flexible flashing materials and components in manufacturer’s original, unopened, undamaged containers with identification labels intact.

C. Store flexible flashing materials as recommended by manufacturer. Keep away from open flame or sources of ignition.

1.6 PROJECT CONDITIONS

A. Refer to Section 01600 Product Requirements.

B. Do not apply flexible flashing on wet or damp surfaces.

C. Apply to surfaces free of dirt, oils, lubricants and other debris.

D. Install flexible flashing materials at temperatures above 40°F. At temperatures below 40°F, apply primer in accordance with flashing manufacturer recommendations, prior to installation of flashing.

PART 2 - PRODUCTS

MANUFACTURER:

A. DuPont Building Innovations; 4417 Lancaster Pike, Chestnut Run Plaza 721, Wilmington, DE 19805; 1-800-44-TYVEK (8-9835); http://construction.tyvek.com

B. The Dow Chemical company; Dow Bulding Solutions; 200 Larkin; Midland, Mi. 48674; 1-866-583-2583; www.dowbuildingsolutions.com

2.2 MATERIALS

A. Self-Adhering – Straight Flashing:

1. Basis of Design: Self-adhering straight flashing membrane tape is based on DuPont™ StraightFlash™
2. Description:
   a. Face Material Composition: Textured polyethylene laminate barrier.
   b. Face color: white
   c. Adhesive composition: Butyl adhesive
   d. Thickness: 30 mil
   e. Release Liner: 1 piece siliconized paper
   f. Dimension: [4 inches wide by 150 feet or 9 inches wide by 125 feet]

AND

C. Self-Adhering – Flexible Flashing

1. Basis of Design: Self-adhering flexible flashing membrane is based on DuPont™ FlexWrap™.
2. Description:
   a. Face Material Composition: Conformable textured polyethylene laminate barrier.
   b. Face color: White.
   c. Adhesive composition: Butyl adhesive
   d. Thickness: 70 mil
   e. Release liner: 2-part siliconized paper.
   f. Elastic Elongation: >230% at 70°F.
   g. Dimension: [7 inches wide by 75 feet or 9 inches wide by 75 feet]

2.3 ACCESSORIES

A. Seam Tape: DuPont™ Tyvek® Tape as manufactured by DuPont Building Innovations.

1. Description: Pressure sensitive, polypropylene substrate with acrylic based adhesive.

B. Fasteners:

1. Tyvek® Wrap Caps, as manufactured by DuPont Building Innovations: #4 nails with large 1-inch plastic cap fasteners.

C. Sealants

1. Provide sealant that complies with ASTM C920, elastomeric polymer sealant to maintain watertight conditions.
2. Products:

a. Tremco 830
b. Tremco Butyl
c. Sealants recommended by the weather barrier manufacturer.

D. Primer:
1. Provide flashing manufacturer recommended primer to assist in adhesion between substrate and flashing
2. Products:
a. 3M High Strength 90
b. Denso Butyl Spray
c. SIA 655
d. Permagrip 105
e. ITW TACC Sta' Put SPH
f. Primers recommended by the flashing manufacturer

PART 3 - EXECUTION

3.1 EXAMINATION

A. Verify substrate and surface conditions are in accordance with flexible flashing manufacturer recommended tolerances prior to installation.

B. Review requirements for sequencing of installation of flexible flashing assembly with installation of windows, doors, louvers and wall penetrations to provide a weather-tight flashing assembly.

3.2 OPENING PREPARATION (for use with flanged windows installed after weather barrier)

A. Cut weather barrier membrane in a modified "I-cut" pattern.
1. Cut weather barrier horizontally along the bottom of the header.
2. Cut weather barrier vertically 2/3 of the way down from top center of window opening.
3. Cut weather barrier diagonally from bottom of center vertical cut to the left and right corners of the opening.
4. Fold side and bottom weather barrier flaps into window opening and fasten.
5. Install pre-molded PVC sill flashing as recommended.

B. Cut a head flap at 45-degree angle in the weather barrier membrane at window head to expose 8 inches of sheathing. Temporarily secure weather barrier membrane flap away from sheathing with tape.

3.3 FLASHING (for use with flanged windows installed after weather barrier)

A. Cut 9-inch wide DuPont™ FlexWrap™ a minimum of 12 inches longer than width of sill rough opening.

B. Cover horizontal sill by aligning DuPont™ FlexWrap™ edge with inside edge of sill. Adhere to rough opening across sill and up jambs a minimum of 6 inches. Secure flashing tightly into corners by working in along the sill before adhering up the jambs.

C. Fan DuPont™ FlexWrap™ at bottom corners onto face of wall. Firmly press in place. Mechanically fasten fanned edges.

D. On exterior, apply continuous bead of sealant to wall or backside of window mounting flange across jambs and head. Do not apply sealant across sill.

E. Install window according to manufacturer's instructions.

F. Apply 4-inch wide strips of DuPont™ StraightFlash™ at jambs overlapping entire mounting flange. Extend jamb flashing 1-inch above top of rough opening and below bottom edge of sill flashing.
G. Apply 4-inch wide strip of DuPont™ StraightFlash™ as head flashing overlapping the mounting flange. Head flashing should extend beyond outside edges of both jamb flashings.
H. Position weather barrier head flap across head flashing. Adhere using 4-inch wide DuPont™ StraightFlash™ over the 45-degree seams.
I. Tape head flap in accordance with manufacturer recommendations
J. On interior, install backer rod in joint between frame of window and flashed rough framing. Apply sealant around entire window to create air seal. Apply sealant in accordance with sealant manufacturer's instructions and ASTM C 1193.

3.4 FIELD QUALITY CONTROL

A. Notify manufacturer's designated representative to obtain periodic observations of flexible flashing assembly installation.

3.5 PROTECTION

A. Protect installed flexible flashing from damage during construction.

END OF SECTION

SECTION 07620 - SHEET METAL FLASHING AND TRIM

Northeastern Pennsylvania Center for Independent Living

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

A. Submit Product Data, Shop Drawings, and Samples.

PART 2 - PRODUCTS

2.1 SHEET METAL

A. Stainless-Steel Sheet: ASTM A 666, Type 304, soft annealed, with No. 2D finish, unless harder temper is required for forming or performance; minimum 0.0187 inch (0.5 mm) thick.

2.2 FLASHING AND TRIM

A. Fabricate sheet metal flashing and trim to comply with recommendations of SMACNA's "Architectural Sheet Metal Manual" that apply to the design, dimensions, metal, and other characteristics of the item indicated.

B. Coil-coat aluminum with 2-coat fluoropolymer Hylar 5000 or Kynar 500 finish.

2.3 ACCESSORIES

A. Solder for Stainless Steel: ASTM B 32, Grade Sn60.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Comply with SMACNA's "Architectural Sheet Metal Manual." Allow for thermal expansion; set true to line and level. Install Work with laps, joints, and seams permanently watertight and weatherproof; conceal fasteners where possible.

B. Sealed Joints: Form nonexpansion, but movable, joints in metal to accommodate elastomeric sealant to comply with SMACNA standards.

C. Separations: Separate noncompatible metals or corrosive substrates with a coating of asphalt mastic or other permanent separation.

END OF SECTION

PART 1 – GENERAL

1.01 Summary

A. Section Includes: Kawneer Aluminum Entrances, glass and glazing, and door hardware and components.

1. Types of Kawneer Aluminum Entrances include:

c. 500 Swing Door; Wide stile, 5" (127) vertical face dimension, 1-3/4" (44.5) depth, high traffic applications.

B. Related Sections:

1. Division 08440 – Glazed Aluminum Curtain Walls

1.02 References (Industry Standards)

1.03 System Description

A. Entrance Performance Requirements:

1. Air Infiltration: For single acting offset pivot or butt hung entrances in the closed and locked position, the test specimen shall be tested in accordance with ASTM E 283 at a pressure differential of 6.24 psf (300 Pa) for single doors and 1.567 psf for pairs of doors. A single 3'0" x 7'0" (915 x 2134) entrance door and frame shall not exceed 0.50 cfm per square foot. A pair of 6'0" x 7'0" (1830 x 2134) entrance doors and frame shall not exceed 1.0 cfm per square foot.

2. Structural: Corner strength shall be tested per the Kawneer dual moment load test procedure and certified by an independent testing laboratory to ensure weld compliance and corner integrity [Testing procedure and certified test results available upon request].

1.04 Submittals

A. General: Prepare, review, approve, and submit specified submittals in accordance with “Conditions of the Contract” and Submittals Sections. Product data, shop drawings, samples, and similar submittals are defined in “Conditions of the Contract.”

B. Quality Assurance/Control Submittals:

1. Test Reports: Submit certified test reports showing compliance with specified performance characteristics.

1.05 Warranty

A. Project Warranty: Refer to “Conditions of the Contract” for project warranty provisions.

B. Manufacturer’s Product Warranty: Submit, for Owner’s acceptance, manufacturer’s warranty for entrance system as follows:

1. Warranty Period: Two (2) years from Date of Substantial Completion of the project provided however that the Limited Warranty shall begin in no event later than six months from date of shipment by Kawneer. In addition, welded door corner construction shall be supported with a limited lifetime warranty for the life of the door under normal use.

1.06 Quality Assurance

A. Qualifications:

1. Installer Qualifications: Installer experienced (as determined by contractor) to perform work of this section who has specialized in the installation of work similar to that required for this project and who is acceptable to product manufacturer.

2. Manufacturer Qualifications: Manufacturer capable of providing structural calculations, applicable independent product test reports, installation instructions, a review of the application method, customer approval and periodic field service representation during construction.

3. On access control installations, all wiring to be coordinated with a licensed electrical installer.

B. Pre-Installation Meetings: Conduct pre-installation meeting to verify project requirements, substrate conditions, manufacturer’s installation instructions, and manufacturer’s warranty requirements.

1.07 Delivery, Storage and Handling

A. Ordering: Comply with manufacturer's ordering instructions and lead-time requirements to avoid construction delays.

B. Packing, Shipping, Handling, and Unloading: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.

C. Storage and Protection: Store materials protected from exposure to harmful weather conditions. Handle entrance doors and components to avoid damage. Protect entrance doors against damage from elements, construction activities, and other hazards before, during and after entrance installation.

PART 2 – PRODUCTS

2.01 Manufacturers (Acceptable Manufacturers/Products)

A. Acceptable Manufacturers:

1. Address: Kawneer Company, Inc
555 Guthridge Court,
Technology Park/Atlanta,
Norcross, GA 30092

Telephone: 770 449 5555

Fax: 770 734 1560

2. Proprietary Product(s)/System(s): Kawneer Aluminum Entrances.

a. Series: 500 Swing Doors

b. Finish/Color: (See 2.06 Finishes)

B. Substitutions:

1. General: Refer to Substitutions Section for procedures and submission requirements.

a. Pre-Contract (Bidding Period) Substitutions: Submit written requests ten (10) days prior to bid date.

b. Post-Contract (Construction Period) Substitutions: Submit written request in order to avoid entrance door installation and construction delays.

2. Substitution Documentation:

a. Product Literature and Drawings: Submit product literature and drawings modified to suit specific project requirements and job conditions.

b. Certificates: Submit certificate(s) certifying substitute manufacturer (1) attesting to adherence to specification requirements for entrance door system performance criteria, and (2) has been engaged in the design, manufacturer and fabrication of aluminum entrance doors for a period of not less than ten (10) years. (Company Name)

c. Test Reports: Submit test reports verifying compliance with each test requirement for entrance door configurations required by the project.

d. Product Sample and Finish: Provide samples of typical product sections and finish samples in manufacturer's standard sizes.

3. Substitution Acceptance: Acceptance will be in written form, either as an addendum or modification, and documented by a formal change order signed by the Owner and Contractor.

2.02 Materials

A. Aluminum (Entrances and Components):

1. Material Standard: ASTM B 221; 6063-T6 alloy and temper.

2. The door stile and rail face dimensions of the 500 entrance door will be as follows:

Door	**Vertical Stile**	**Top Rail**	**Bottom Rail**
500	5" (127)	5" (127)	6-1/2" (166)

3. Major portions of the door members to be 0.125" (3.2) nominal in thickness and glazing molding to be 0.05" (1.3) thick.

4. Tolerances: Reference to tolerances for wall thickness and other cross-sectional dimensions of entrance members are nominal and in compliance with Aluminum Standards and Data, published by The Aluminum Association.

B. Glazing gaskets shall be either EPDM elastomeric extrusions or a thermoplastic elastomer.

C. Provide adjustable glass jacks to help center the glass in the door opening.

2.03 Accessories

A. Fasteners: Where exposed, shall be aluminum, stainless steel or plated steel.

B. Perimeter Anchors: Aluminum. When steel anchors are used, provide insulation between steel material and aluminum material to prevent galvanic action.

C. Standard Entrance Hardware

1. Weatherstripping:

a. Meeting stiles on pairs of doors shall be equipped with an adjustable astragal utilizing wool pile with polymeric fin.

b. The door weathering on a single acting offset pivot or butt hung door and frame (single or pairs) shall be Kawneer Sealair® weathering. This is comprised of a thermoplastic elastomer weathering on a tubular shape with a semi-rigid polymeric backing.

2. Sill Sweep Strips: EPDM blade gasket sweep strip in an aluminum extrusion applied to the interior exposed surface of the bottom rail with concealed fasteners (Necessary to meet specified performance tests).

3. Threshold: Extruded aluminum, one piece per door opening, with ribbed surface.

4. Offset Pivots: Single Acting

5. Push/Pull: CPN pull with CP-II Push bar

6. Exit Device: None

7. Closer: Concealed overhead Double Acting – 90 / 105 degree with hold open.

8. Security Lock/Dead Lock: Active Leaf : Adams-Rite #1850A-500 short throw deadlock; Inactive Leaf Controller – 3 point locking systeml

9. Cylinder(s)/Thumbturn: Interior side of exterior door

2.04 Related Materials

A. Sealants: Refer to Joint Treatment (Sealants) Section

B. Glass: United Glass Corp. – Sungate 500 Low-E Glass-single pane-tempered as required by code.

2.05 Fabrication

A. Entrance System Fabrication:

1. Door corner construction shall consist of mechanical clip fastening, SIGMA deep penetration plug welds and 1-1/8" (29) long fillet welds inside and outside of all four corners. Glazing stops shall be hook-in type with EPDM glazing gaskets reinforced with non-stretchable cord.

2. Accurately fit and secure joints and corners. Make joints hairline in appearance.

3. Prepare components with internal reinforcement for door hardware.

4. Arrange fasteners and attachments to conceal from view.

2.06 Finishes

A. Factory Finishing:

1. Fluropon® (70% PVDF), AAMA 2605, Fluoropolymer Coating from standard range of colors.

2.07 Source Quality Control

A. Source Quality: Provide aluminum entrances specified herein from a single source.

1. Building Enclosure System: When aluminum entrances are part of a building enclosure system, including storefront framing, windows, curtain wall system and related products, provide building enclosure system products from a single source manufacturer.

B. Fabrication Tolerances: Fabricate aluminum entrances in accordance with entrance manufacturer's prescribed tolerances.

PART 3 – EXECUTION

3.01 Examination

A. Site Verification of Conditions: Verify substrate conditions (which have been previously installed under other sections) are acceptable for product installation in accordance with manufacturer's instructions. Verify openings are sized to receive entrance system and sill plate is level in accordance with manufacturer's acceptable tolerances.

1. Field Measurements: Verify actual measurements/openings by field measurements before fabrication; show recorded measurements on shop drawings. Coordinate field measurements, fabrication schedule with construction progress to avoid construction delays.

3.02 Installation

A. General: Install entrance system in accordance with manufacturer's instructions and AAMA storefront and entrance guide specifications manual.

1. Attach to structure to permit sufficient adjustment to accommodate construction tolerances and other irregularities.

2. Provide alignment attachments and shims to permanently fasten system to building structure.

3. Align assembly plumb and level, free of warp and twist. Maintain assembly dimensional tolerances aligning with adjacent work.

4. Set thresholds in bed of mastic and secure.

5. Adjusting: Adjust operating hardware for smooth operation.

B. Related Products Installation Requirements:

1. Sealants (Perimeter): Refer to Joint Treatment (Sealants) Section.

2. Glass: Refer to Glass and Glazing Section.

a. Reference: ANSI Z97.1, CPSC 16 CFR 1201 and GANA Glazing Manual.

3.03 Cleaning and Protection

A. Cleaning: Remove temporary coverings and protection of adjacent work areas. Repair or replace damaged installed products. Clean installed products in accordance with manufacturer's instructions prior to owner's acceptance. Remove construction debris from project site and legally dispose of debris.

B. Protection: Protect installed product's finish surfaces from damage during construction. Protect aluminum entrances from damage from grinding and polishing compounds, plaster, lime, acid, cement, or other harmful contaminants. Remove and replace damaged aluminum entrances at no extra cost.

END OF SECTION 08411

PART 1 – GENERAL

1.01 Summary

A. Section Includes: Kawneer Architectural Aluminum Curtain Wall Systems, including perimeter trims, stools, accessories, shims and anchors, and perimeter sealing of curtain wall framing.

1. Types of Kawneer Aluminum Curtain Wall include:

a. 1600 Wall System®1 – 2–1/2" x 6", outside glazed pressure plate format.

B. Related Sections:

1. Division 08411- Aluminum-Framed Entrances and Storefronts

1.03 System Description

A. Curtain Wall System Performance Requirements:

1. Wind loads: Provide Curtain Wall system; include anchorage, capable of withstanding wind load design pressures of +20/-23 PSF inward and +23 / -28 PSF outward. The design pressures are based on the International Building Code; 2006 Edition

2. Air Infiltration: The test specimen shall be tested in accordance with ASTM E 283. Air infiltration rate shall not exceed 0.06 cfm/ft^2 (0.3 l/s · m^2) at a static air pressure differential of 6.24 psf (300 Pa).

3. Water Resistance, (static): The test specimen shall be tested in accordance with ASTM E 331. There shall be no leakage at a static air pressure differential of 12 psf (575 Pa) as defined in AAMA 501.

4. Water Resistance, (dynamic): The test specimen shall be tested in accordance with AAMA 501.1. There shall be no leakage at an air pressure differential of 12 psf (575 Pa) as defined in AAMA 501.

5. Uniform Load: A static air design load of 40 psf (1915 Pa) shall be applied in the positive and negative direction in accordance with ASTM E 330. There shall be no deflection in excess of L/175 of the span of any framing member at design load. At structural test load equal to 1.5 times the specified design load, no glass breakage or permanent set in the framing members in excess of 0.2% of their clear spans shall occur.

6. Seismic: When tested to AAMA 501.4, system must meet design displacement of 0.010 x the story height and ultimate displacement of 1.5 x the design displacement.

7. Thermal Transmittance (U-factor): When tested to AAMA Specification 1503, the thermal transmittance (U-factor) shall not be more than: 0.66 (clear).

8. Condensation Resistance (CRF): When tested to AAMA Specification 1503, the condensation resistance factor shall not be less than 66_{frame} and 60_{glass} (clear),

or
Condensation Index (I): when tested to CSA-A440-00, the Condensation Index shall not be less than 68_{frame} and 54_{glass} (clear).

9. Thermal Transmittance (U-factor): When tested to AAMA Specification 1503, the thermal transmittance (U-factor) shall not be more than: 0.43 (low-e).

10. Condensation Resistance (CRF): When tested to AAMA Specification 1503, the condensation resistance factor shall not be less than 71_{frame} and 71_{glass} (low-e).

11. Sound Transmission Loss: When tested to ASTM E90 and ASTM E1425, the Sound Transmission Class (STC) and Outdoor/Indoor Transmission Class (OITC) shall not be less than:

STC 31 or OITC 26 based upon 1” insulating glass (1/4", 1/2" AS, 1/4"),

STC 37 or OITC 30 based upon 1” laminated glass (1/4" laminated, 1/2" AS, 1/4” laminated).

1.04 Submittals

A. General: Prepare, review, approve, and submit specified submittals in accordance with “Conditions of the Contract” and Submittals Sections. Product data, shop drawings, samples, and similar submittals are defined in “Conditions of the Contract.”

B. Quality Assurance/Control Submittals:

1. Test Reports: Submit certified test reports showing compliance with specified performance characteristics.

1.05 Warranty

A. Project Warranty: Refer to “Conditions of the Contract” for project warranty provisions.

B. Manufacturer’s Product Warranty: Submit, for Owner’s acceptance, manufacturer’s warranty for curtain wall system as follows:

1. Warranty Period: Two (2) years from Date of Substantial Completion of the project provided however that the Limited Warranty shall begin in no event later than six months from date of shipment by Kawneer.

1.06 Quality Assurance

A. Qualifications:

1. Installer Qualifications: Installer experienced (as determined by contractor) to perform work of this section who has specialized in the installation of work similar to that required for this project and who is acceptable to product manufacturer.

2. Manufacturer Qualifications: Manufacturer capable of providing structural calculations, applicable independent product test reports, installation instructions, a review of the application method, customer approval and periodic field service representation during construction.

B. Pre-Installation Meetings: Conduct pre-installation meeting to verify project requirements, substrate conditions, manufacturer’s installation instructions, and manufacturer’s warranty requirements.

1.07 Delivery, Storage, and Handling

A. Ordering: Comply with manufacturer's ordering instructions and lead time requirements to avoid construction delays.

B. Packing, Shipping, Handling, and Unloading: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.

C. Storage and Protection: Store materials protected from exposure to harmful weather conditions. Handle material and components to avoid damage. Protect curtain wall material against damage from elements, construction activities, and other hazards before, during and after curtain wall installation.

PART 2 – PRODUCTS

2.01 Manufacturers (Acceptable Manufacturers/Products)

A. Acceptable Manufacturers:

1. Address: Kawneer Company, Inc.
   555 Guthridge Court,
   Technology Park/Atlanta,
   Norcross, GA 30092
   Telephone: 770 449 5555
   Fax: 770 734 1560

2. Proprietary Product(s)/System(s): Kawneer Aluminum Curtain Wall

   a. Series: 1600 Wall System®1

b. Finish/Color: (See 2.06 Finishes)

B. Substitutions:

1. General: Refer to Substitutions Section for procedures and submission requirements.

   a. Pre-Contract (Bidding Period) Substitutions: Submit written requests ten (10) days prior to bid date.

   b. Post-Contract (Construction Period) Substitutions: Submit written request in order to avoid curtain wall installation and construction delays.

2. Substitution Documentation

   a. Product Literature and Drawings: Submit product literature and drawings modified to suit specific project requirements and job conditions.

   b. Certificates: Submit certificate(s) certifying substitute manufacturer (1) attesting to adherence to specification requirements for curtain wall system performance criteria, and (2) has been engaged in the design, manufacturer and fabrication of aluminum curtain wall for a period of not less than ten (10) years. (Company Name)

   c. Test Reports: Submit test reports verifying compliance with each test requirement for curtain wall required by the project.

   d. Product Sample and Finish: Submit product sample, representative of curtain wall for the project, with specified finish and color.

3. Substitution Acceptance: Acceptance will be in written form, either as an addendum or modification, and documented by a formal change order signed by the Owner and Contractor.

2.02 Materials

A. Aluminum (Curtain Wall and Components):

1. Material Standard: Extruded Aluminum, ASTM B 221, 6063-T6 alloy and temper.

2. Member Wall Thickness: Each framing member shall have a wall thickness sufficient to meet the specified structural requirements.

3. Tolerances: Reference to tolerances for wall thickness and other cross-sectional dimensions of curtain wall members are nominal and in compliance with AA Aluminum Standards and Data.

2.03 Accessories

A. Fasteners: Where exposed, shall be Stainless Steel.

B. Gaskets: Glazing gaskets shall comply with ASTM C 864 and be extruded of a silicone compatible EPDM rubber that provides for silicone adhesion.

C. Perimeter Anchors: Aluminum. When steel anchors are used, provide insulation between steel material and aluminum material to prevent galvanic action.

D. Thermal Barrier: Thermal separator shall be extruded of a silicone compatible elastomer that provides for silicone adhesion.

2.04 Related Materials

A. Sealants: Refer to Joint Treatment (Sealants) Section.

B. Glass: United Glass Corp. – Sungate 500 Low-E Glass-single pane-tempered as required by code

2.05 Fabrication

A. General:

1. Fabricate components per manufacturer's installation instructions and with minimum clearances and shim spacing around perimeter of assembly, yet enabling installation and dynamic movement of perimeter seal.

2. Accurately fit and secure joints and corners. Make joints flush, hairline and weatherproof.

3. Prepare components to receive anchor devices. Fabricate anchors.

4. Arrange fasteners and attachments to conceal from view.

2.06 Finishes

A. Shop Finishing:

1. Fluropon® (70% PVDF), AAMA 2605, Fluoropolymer Coating from standard range of colors.

2.07 Source Quality Control

A. Source Quality: Provide aluminum curtain walls specified herein from a single source.

1. Building Enclosure System: When aluminum curtain wall are part of a building enclosure system, including entrances, entrance hardware, windows, storefront framing and related products, provide building enclosure system products from a single source manufacturer.

PART 3 – EXECUTION

3.01 Examination

A. Site Verification of Conditions: Verify substrate conditions (which have been previously installed under other sections) are acceptable for product installation in accordance with manufacturer's instructions. Verify openings are sized to receive curtain wall system and sill plate is level in accordance with manufacturer's acceptable tolerances.

1. Field Measurements: Verify actual measurements/openings by field measurements before fabrication; show recorded measurements on shop drawings. Coordinate field measurements, fabrication schedule with construction progress to avoid construction delays.

3.02 Installation

A. General: Install curtain wall systems plumb, level, and true to line, without warp or rack of frames with manufacturer's prescribed tolerances and installation instructions. Provide support and anchor in place.

1. Dissimilar Materials: Provide separation of aluminum materials from sources of corrosion or electrolytic action contact points.

2. Glazing: Glass shall be outside glazed and held in place with extruded aluminum pressure plates anchored to the mullion using stainless steel fasteners spaced no greater than 9" on center.

3. Water Drainage: Each light of glass shall be compartmentalized using joint plugs and silicone sealant to divert water to the horizontal weep locations. Weep holes shall be located in the horizontal pressure plates and covers to divert water to the exterior of the building.

B. Related Products Installation Requirements:

1. Sealants (Perimeter): Refer to Joint Treatment (Sealants) Section.

2. Glass: Refer to Glass and Glazing Section.

a. Reference: ANSI Z97.1, CPSC 16 CFR 1201 and GANA Glazing Manual

3.03 Field Quality Control

A. Field Tests: Architect shall select curtain wall units to be tested as soon as a representative portion of the project has been installed, glazed, perimeter caulked and cured. Conduct tests for air infiltration and water penetration with manufacturer's representative present. Tests not meeting specified performance requirements and units having deficiencies shall be corrected as part of the contract amount.

1. Testing: Testing shall be performed per AAMA 503 by a qualified independent testing agency. Refer to Testing Section for payment of testing and testing requirements.

a. Air Infiltration Tests: Conduct tests in accordance with ASTM E 783. Allowable air infiltration shall not exceed 1.5 times the amount indicated in the performance requirements or 0.09 cfm/ft^2, which ever is greater.

b. Water Infiltration Tests: Conduct tests in accordance with ASTM E 1105. No uncontrolled water leakage is permitted when tested at a static test pressure of two-thirds the specified water penetration pressure but not less than 8 psf (383 Pa).

B. Manufacturer's Field Services: Upon Owner's written request, provide periodic site visit by manufacturer's field service representative.

3.04 Protection and Cleaning

A. Protection: Protect installed product's finish surfaces from damage during construction. Protect aluminum curtain wall system from damage from grinding and polishing compounds, plaster, lime, acid, cement, or other harmful contaminants.

B. Cleaning: Repair or replace damaged installed products. Clean installed products in accordance with manufacturer's instructions prior to owner's acceptance. Remove construction debris from project site and legally dispose of debris.

END OF SECTION 08440

SECTION 08540 – FIBERGLASS FRAMED WINDOWS

Northeastern Pennsylvania Center for Independent Living

PART 1 GENERAL

1.1 SECTION INCLUDES

A. All Ultrex® direct glaze polygon window complete with glazing, grilles-between-the glass, jamb extension, sheet rock return, j-channel, and standard or specified anchors, trim and attachments.

1.2 RELATED SECTIONS

A. Section 01300 – Administrative Requirements

B. Section 01600 – Product Requirements

C. Section 01700 – Execution Requirements

D. Section 07290 – Flexible Flashing Systems

E. Section 07270 – Weather Barriers

1.3 REFERENCES

A. American Society for Testing and Materials (ASTM):

1. E 283: Standard Test Method for Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors.

2. E 330: Standard Test Method for Structural Performance of Exterior Windows, Curtains Walls, and Doors by Uniform Static Air Pressure Difference.

3. E 547: Standard Test Method for Water Penetration of Exterior Windows, Curtain Walls, and Doors by Cyclic Static Air Pressure Differential.

4. E 774: Specification for Sealed Insulated Glass Units.

5. C 1036: Standard Specification for Flat Glass.

B. Sealed Insulating Glass Manufactures Association / Insulating Glass Certification Council (SIGMA / IGCC).

C. American Architectural Manufacturers Association / Window and Door Manufacturers Association (AAMA / WDMA):

1. ANSI/AAMA/NWWDA 101 / I.S.2-97: Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors.

2. 101/I.S. 2/NAFS-02: Voluntary Performance Specification for Windows, Skylights and Glass Doors.

D. Window and Door Manufacturers Association (WDMA): Hallmark Certification Program.

E. American Architectural Manufacturers Association (AAMA): 613: Voluntary Performance Requirements and Test Procedures for Organic Coatings on Plastic Profiles.

F. National Fenestration Rating Council (NFRC): 101: Procedure for Determining Fenestration Product Thermal Properties.

1.4 SYSTEM DESCRIPTION

A. Design and Performance Requirements:

1. Window units shall be designed to comply with ANSI / AAMA / NWWDA 101 / I.S.2-97 and 101 / I.S. 2/ NAFS-02

a. Direct Glaze Polygon: up to 49 sq. ft. (F-C50). U value of

2. Air leakage shall not exceed the following when tested at 1.57 according to ASTM E 283: 0.3 cfm per square foot of frame.

3. No water penetration shall occur when units are tested at the following pressure according to ASTM E 547:

a. Direct Glaze Polygon: up to 49 sq. ft. (F-C50-7.5 psf)

4. Units shall be designed to comply with ASTM E330 for structural performance when tested at the following pressures:

a. Direct Glaze Polygon: up to 49 sq. ft. (F-C50-75 psf)

1.5 SUBMITTALS

A. Shop Drawings: Submit shop drawings under provisions of Section 01 33 23.

B. Product Data: Submit catalog data under provisions of Section 01 33 23.

C. Samples:

1. Submit corner section under provisions of Section 01300.

2. Include glazing system, quality of construction, and specified finish.

D. Quality Control Submittals: Submit manufacturer’s certifications indicating compliance with specified performance and design requirements under provisions of Section 01 33 23.

1.6 QUALITY ASSURANCE

A. Regulatory Requirements: provide tempered units as required by the IBC.

1.7 DELIVERY

A. Deliver in original packaging and protect from weather.

1.8 STORAGE AND HANDLING

A. Prime or seal wood surfaces, including surface to be concealed by wall construction, if more than thirty (30) days will expire between delivery and installation.

B. Store window units in an upright position in a clean and dry storage area above ground and protect from weather under provisions of Section 01 66 00.

1.9 WARRANTY

A. Windows shall be warranted to be free from defects in manufacturing, materials, and workmanship for a period of ten (10) years from purchase date.

B. Window glass shall be warranted to be free from defects in manufacturing, materials and workmanship for period of twenty (20) years from the purchase date.

PART 2 PRODUCTS

2.1 MANUFACTURED UNITS

A. Description: All Ultrex® Direct Glaze unit as manufactured by Integrity Windows and Doors, Fargo, North Dakota.

B. Substitutions: As per Section 01600

2.2 FRAME DESCRIPTION

A. Interior: Pultruded reinforced fiberglass (Ultrex®), 0.065 – 0.070 inch (2 mm) thick.

B. Composite frame thickness: 1 23/32 inches (44 mm).

C. Frame width: 3 3/32 inches (79 mm).

D. Jamb depth: 2 inches (51 mm).

2.3 GLAZING

A. Select quality complying with ASTM C 1036. Insulating glass SIGMA/IGCC certified to performance level CBA when tested in accordance with ASTM E 774.

C. Glazing method: 7/8 inch (22 mm) Insulated glass.

D. Glass type: Low E II - Argon gas. (Unit U = 0.28 min., SHGC = 0.35 max., Visible Light = 0.61 min.)

E. Glazing seal: Silicone bedding at exterior and interior.

2.4 FINISH

A. Factory baked on acrylic urethane.

B. Color: Stone White interior with Pebble Gray exterior

2.5 JAMB EXTENSION

A. not supplied by window manufacturer

2.6 GRILLES-BETWEEN-THE-GLASS (GBG)

A. None

2.7 ACCESSORIES AND TRIM

A. Installation Accessories:

1. Factory installed vinyl folding nailing fin at head, sill and side jambs.
2. Installation brackets: Brackets for 4-9/16 inch (116 mm); 6-9/16 inch (167 mm) jambs.
3. 5/8” Sheet rock return at head and jambs
4. J-channel
5. Mullion Option: Factory mulling, not field mulling

PART 3 EXECUTION

3.1 EXAMINATION

A. Verification of Conditions: Before Installation, verify openings are plumb, square, and of proper dimension as required in Section 01 71 00. Report frame defects or unsuitable conditions to the General Contractor before proceeding.

B. Acceptance of Conditions: Beginning of installation confirms acceptance of existing conditions.

3.2 INSTALLATION

A. Comply with Section 01 73 00.

B. Assemble and install window unit according to manufacturer's instructions and reviewed shop drawings.

C. Install sealant and related backing materials at perimeter of unit or assembly in accordance with Section 07 92 00 Joint Sealants. Do not use expansive foam sealant.

D. Install accessory items as required.

E. Use finish nails to apply wood trim and moldings.

3.3 CLEANING

A. Remove visible labels and adhesive residue according to manufacturer's instructions.

B. Leave windows and glass in a clean condition. Final cleaning as required in Section 01 74 00.

3.4 PROTECTING INSTALLED CONSTRUCTION

A. Comply with Section 01 76 00.

B. Protect windows from damage by chemicals, solvents, paint, or other construction operations that may cause damage.

END OF SECTION

SECTION 12356 – CASEWORK AND COUNTERTOPS

Northeastern Pennsylvania Center for Independent Living

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

A. Submit Product Data, Shop Drawings, and material Samples.

B. Comply with ANSI/KCMA A161.1.

C. Comply with ANSI A161.2 for plastic-laminate countertops.

PART 2 - PRODUCTS

2.1 CASEWORK

A. Manufacturer: Merillat Cabinetry OR Approved equal
B. Warranty: 25 year limited
C. Design:
   1. Style: Merillat Classic
   2. Wood Species: Maple
   3. Door Style: Portrait – frame and panel
   4.
D. Cabinet Construction:
   1. Back Panel: ¼” thick, 50 pound density engineered wood
   2. Bottom Panel: ½” thick 48 pound density engineered wood joined with dado joints and adhesive.
   3. Braces: Corner composite gussets
   4. Doors: ¾” thick frame and panel, with clear pliable round shaped bumpers to dampen closure noise.
   5. Drawer Construction: ¾” thick, solid hardwood drawer cores with dovetail joinery with plywood bottoms
   6. Drawer Fronts: ¾” thick 48 pound density engineered wood
   7. Drawer Guide system: Blum Tandem Plus undermount guide with 75 lb. load rating and self closing, with full extension and buffer closure.
   8. End Panels: 3/8” thick 48 pound density engineered wood.
   9. Front Frames: ¾” solid hardwood front frames
   10. Hinges: six way adjustable self-closing concealed hinges with lifetime warranty.
   11. Interior: moisture and stain resistant.
   12. Roll-out trays: single roll out tray in base cabinets
   13. Wall Cabinet Shelves: ¾” thick 48 pound density engineered wood.

2.2 PLASTIC LAMINATE COUNTER TOPS

A. Plastic-laminate countertops and splashes:

1. Manufacturer: Wilsonart International; 1-800-433-3222
2. Comply with NEMA LD 3 for plastic laminate.
3. Comply with ASTM D 1037 for plastic-laminate substrate.
4. BK 20 backer sheet where unsupported countertop area exceeds 4 sq. ft. (0.37 sq. m) and substrate is 3/4 inch (19 mm) thick; 6 sq. ft. (0.56 sq. m) and substrate is 1 inch (25.4 mm) thick; 8 sq. ft. (0.74 sq. m) and substrate is 1-1/8 inches (28.6 mm) or thicker.

B. Countertop configuration:

1. Front Style: Hard wood (to match cabinet) with chamfered edge
2. Cove Type: Direct bond
3. Backsplash and End-Splash Style: Square edge without scribe

PART 3 - EXECUTION

3.1 INSTALLATION

A. Install casework with no variations in flushness of adjoining surfaces by using concealed shims. Where casework abuts other finished work, scribe and cut for accurate fit. Provide filler strips, scribe strips, and moldings in finish to match casework face.

B. Install casework without distortion so doors and drawers fit openings properly and are aligned.

C. Install casework and countertop level and plumb to a tolerance of 1/8 inch in 8 feet (3.2 mm in 2.4 m).

D. Fasten each unit of casework to adjacent unit and into structural members of wall construction.

E. Fasten plastic-laminate countertops by screwing through corner blocks in base units into underside of countertop. Spline and glue joints in countertops and provide concealed mechanical clamping of joints.

END OF SECTION 12356

SECTION 09911 – PAINTING – **(Revised in Addendum #2)**

Northeastern Pennsylvania Center for Independent Living

Items shown with a ~~strikethrough~~ are omitted.
Items in **bold** are new.

PART 1 – GENERAL REQUIREMENTS

A. Refer to room finish schedule for surfaces to be painted. Refer to door schedule for quantity of hollow metal door frames – all hollow metal door frames shall be painted.
B. The exact color scheme will be determined on site. The contractor shall provide a painted sample area to give sufficient representation of the completed work for review and approval by the owner and architect
C. The Contractor shall provide all labor, scaffolding, and materials necessary to successfully complete the project.
D. Deliver to Owner a minimum of 5-gal. Container properly labeled and sealed, of each color and type of finish coat paint used on Project.

PART 2 - PRODUCTS

2.1 PAINT

A. Manufacture: MAB paints

B. Products / Surfaces:

1. New (CMU) Block Walls:
   a) One Coat — MAB Block Kote #1000 block Filler 064-145
   b) Two Finish Coats: ~~MAB Ply-Tile 530 Acrylic Semi-Gloss Epoxy 051~~ **Pre-Catalyzed Waterbased Epoxy-K45-150 Series**

2. New Galvanized Doors, **hollow metal frames & Steel ralings:**
   a) One Primer Coat: MAB Rust-O-Lastic Hydro-Primer II (DTM) Primer 073-189
   b) Two Finish Coats: MAB Rust-O-Lastic Alkyd Gloss Finish 074 Line

3. Gypsum Board:
   a) One Primer Coat: **Rich Lux Latex Sealer / Undercoat**
   b) Two Finish Coats: ~~MAB Low Luster Acrylic Enamel~~ **Rich Lux Eggshell Latex Enamel**

4. Hardwood trim (window sills, **wall caps**):
   a) One Primer Coat: **Rich Lux Latex Sealer / Undercoat**
   b) Two Finish Coats: ~~MAB Semi-gloss, Alkyd Enamel~~ **Rich Lux Semi-Gloss Latex Enamel**

5. Exposed Steel Beams, Columns & Connections (new and existing) (Rooms #210, #204 & #201)
   a) **One Primer Coat: SuperBond Alkyd**
   b) **Two Finish Coats: Rusto-O-Lastic High Performance Semi-Gloss Acrylic (DTM)**

6. Exposed galvanized ductwork (see sheet A5.0- revised 12-23-09)
a) **One Primer Coat: SuperBond Alkyd**
b) **Two Finish Coats: Rusto-O-Lastic High Performance Semi-Gloss Acrylic (DTM)**

PART 3 - EXECUTION

3.1 INSTALLATION

A. Follow printed manufacturer's recommendations for preparation, applications and cleanup.

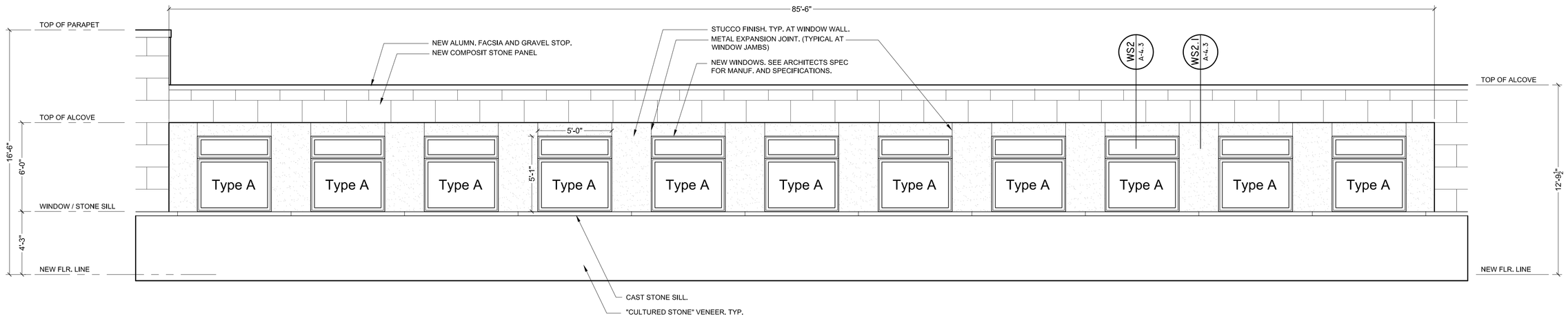
B. Apply one primer coat and two finish coats of selected products.

C. Allow concrete / masonry to cure at least 60 days. Remove loose or excess mortar efflorescence, laitance and concrete form release or curing compounds that impair adhesion. Abrade, scarify, acid etches, or sandblasts concrete to obtain a profile equivalent to medium sandpaper.

D. Remove loose, peeling paint, chalk, rust, mildew or other containment's. Abrade smooth, glossy surfaces. Clean with a non-residue cleaner such as Simple Green.

E. Apply test patch to confirm adhesion.

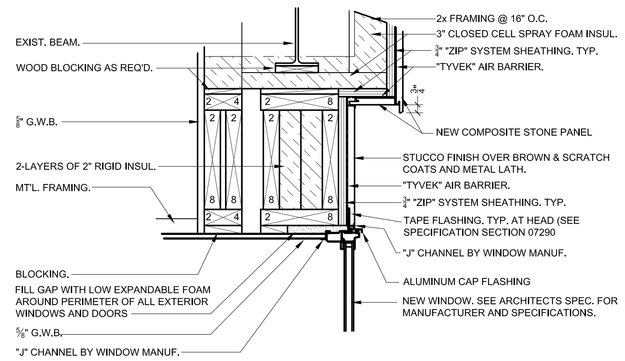
END OF SECTION 09911 – PAINTING



FRONT (west) ELEVATION at WINDOW WALL

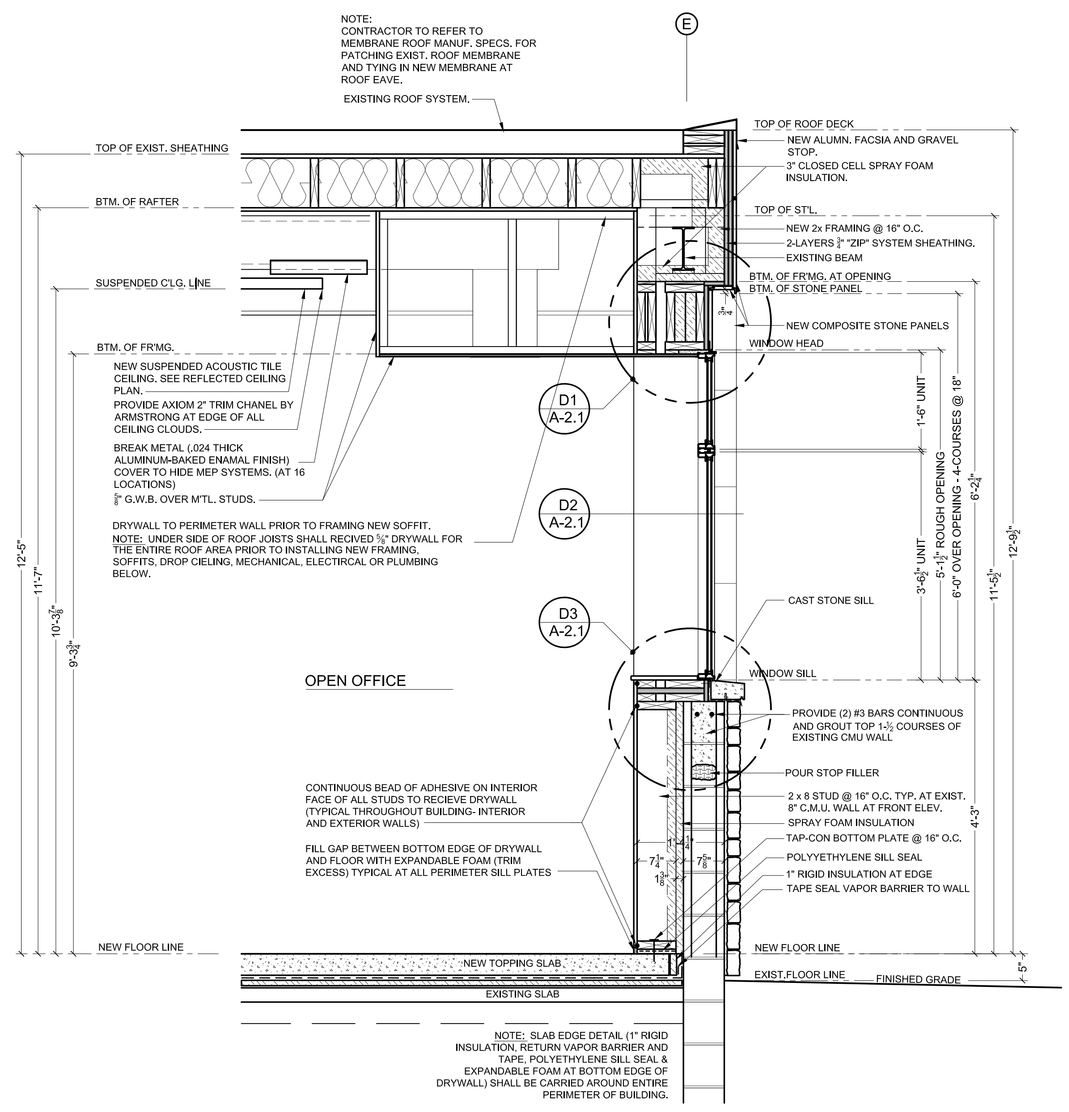
SCALE: 1/4" = 1'-0"

Revised Partial Front Elevation from Sheet A2.0



DETAIL D1

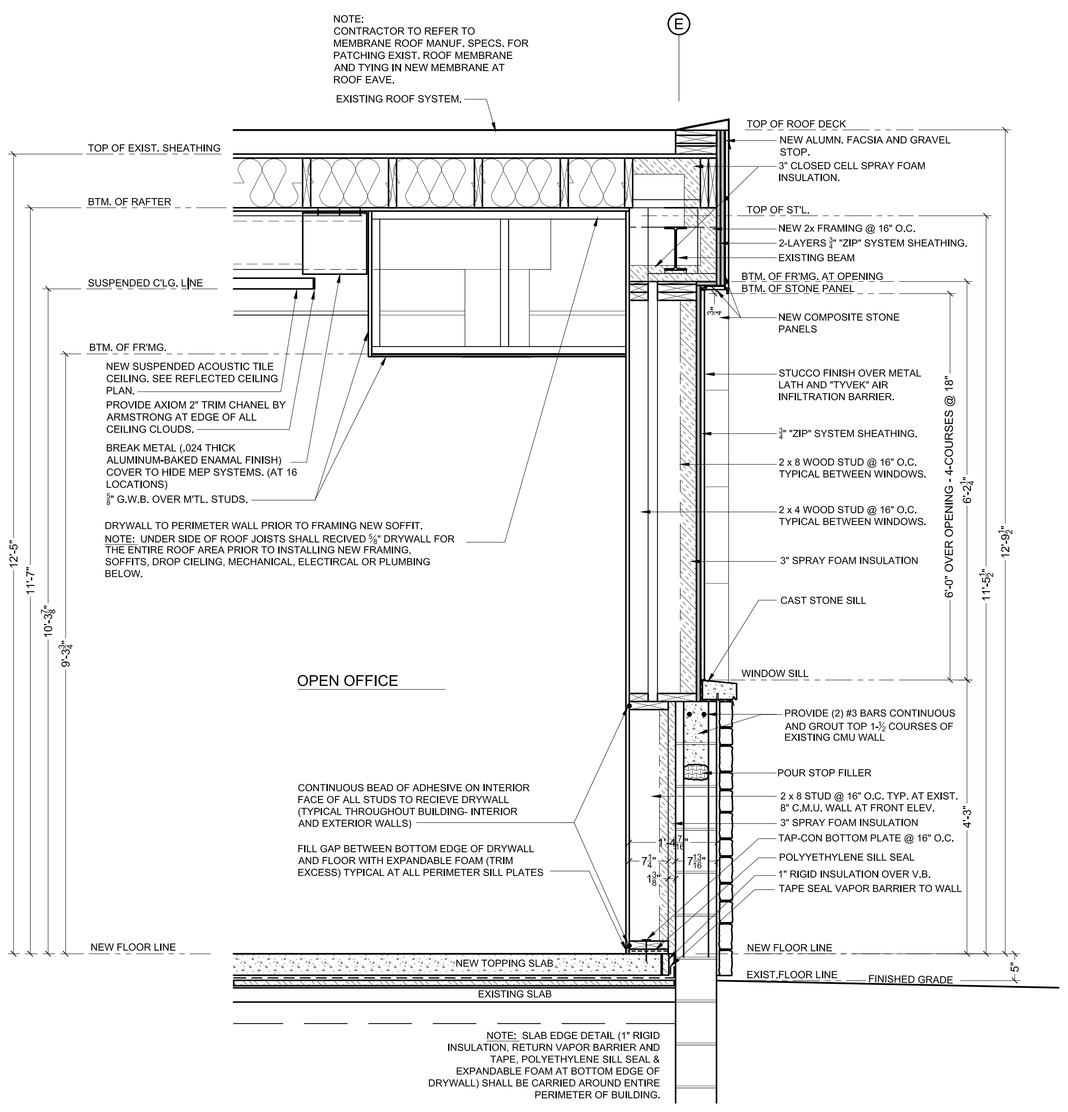
SCALE: 1 1/2" = 1'-0"



WALL SECTION WS2

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

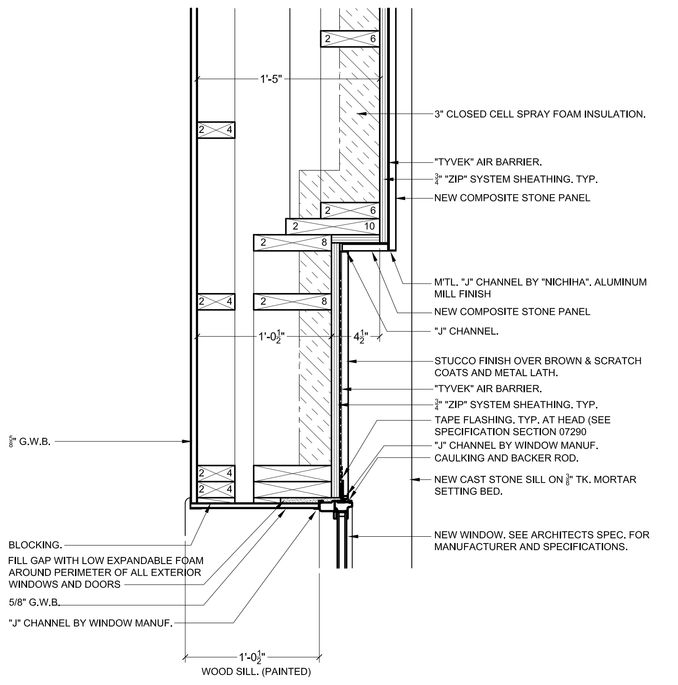
Replaces Wall Section WS2 from Sheet A4.0



WALL SECTION WS2.1

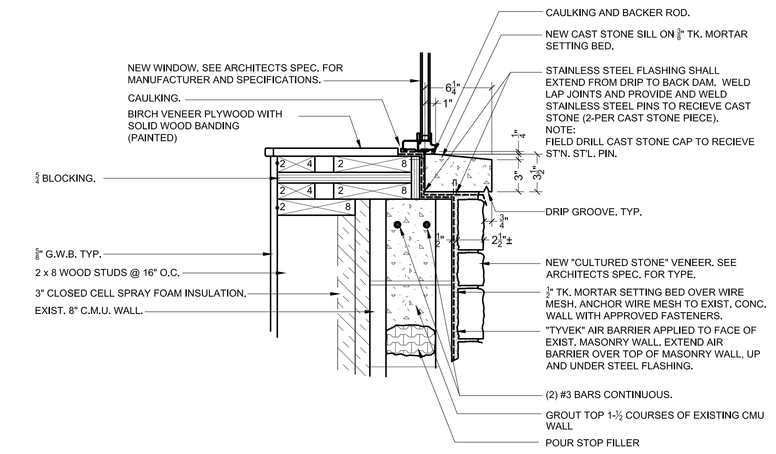
SCALE: 3/4" = 1'-0"

New Wall Section



DETAIL D2

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



DETAIL D3

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

New Details

ADDENDUM NUMBER TWO
1-4-10
BID SET

ARCHITECT
DeScipio & Associates, Inc.
P.O. BOX 104
ELMHURST, PA 18416
Phone: (570) 842-0407
Fax: (570) 842-0407
www.descipio.com

CONSULTANTS
Greenman-Pedersen, Inc.
50 Glenmaura National Blvd.
Suite 102
Scranton, Pa. 18505
Phone: (570) 342-3700
Fax: (570) 342-4080

REVISIONS

DATE	S	COMMENTS
	A	
	A	
	A	
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	A	
	A	
	A	

OWNER & LOCATION
NEPA - Center for Independent Living
1142 Sanderson Avenue
Scranton, Pa.
Lackawanna County

DRAWING TITLE
Walls Sections
Details

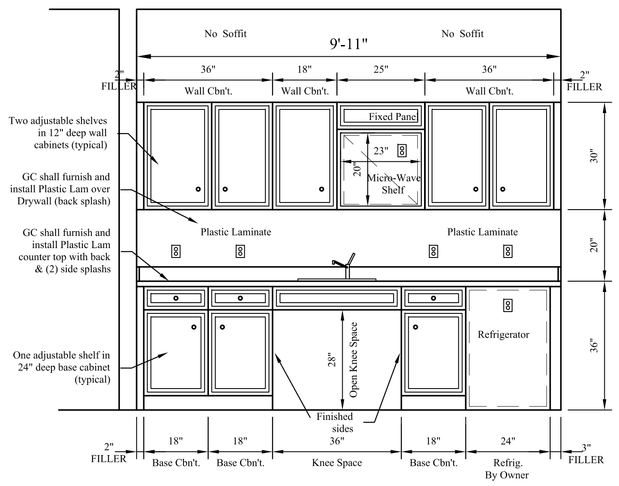
SCALE: as noted

DATE: 1-4-10

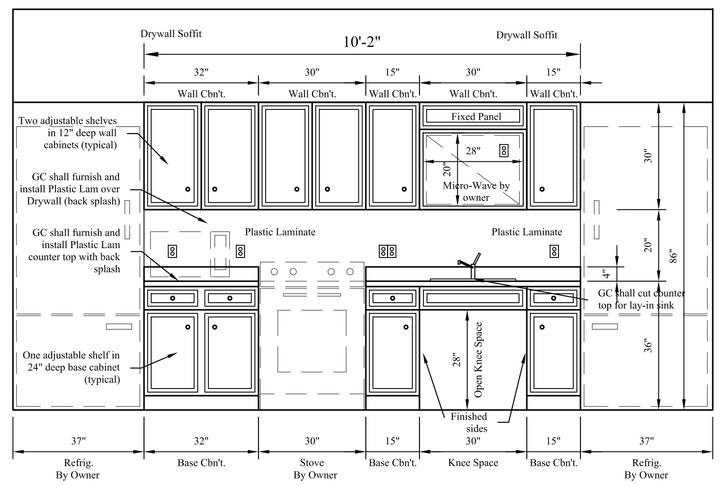
A-4.3

JOB NO.: 96

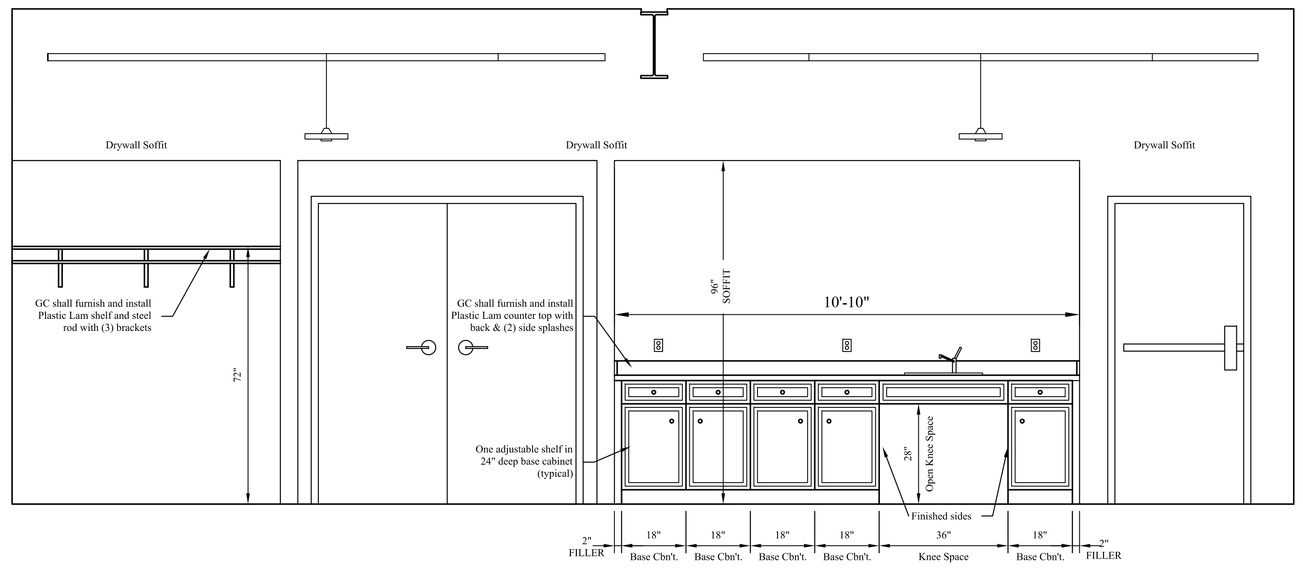
FILE: 96 PLOT DATE: 1-4-10 SHEET: 3042



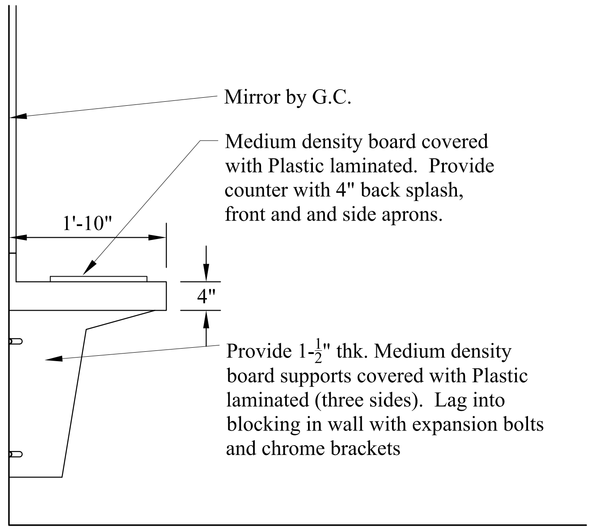
COFFEE AREA # 226
ROOM ELEVATION
SCALE: 1/2" = 1'-0"



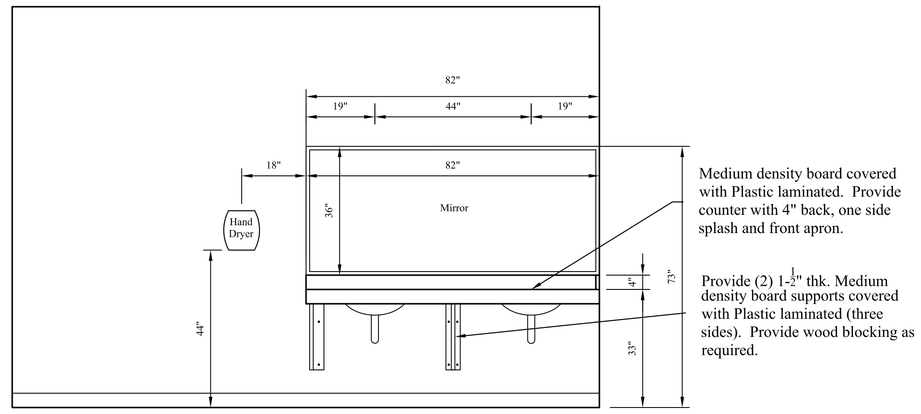
BREAK ROOM # 214
ROOM ELEVATION
SCALE: 1/2" = 1'-0"



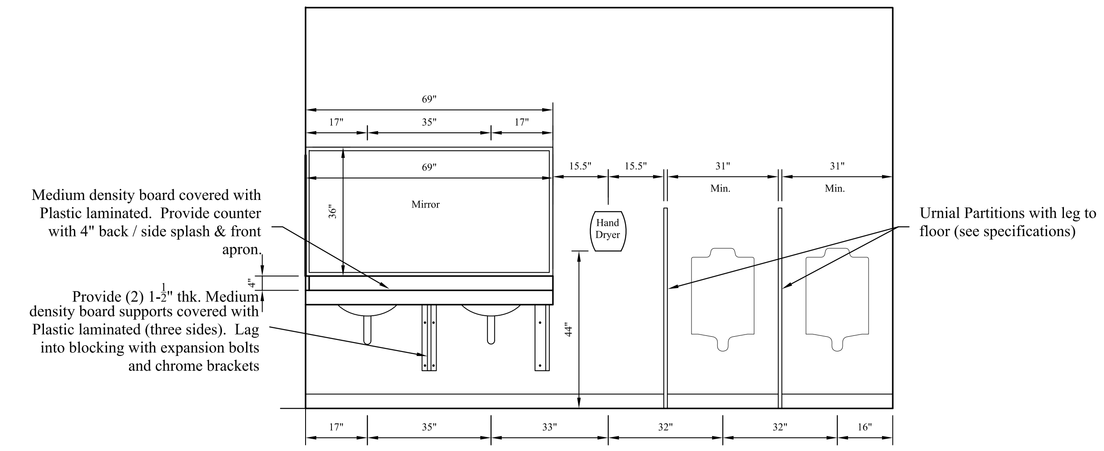
MULTIPURPOSE ROOM # 204
ROOM ELEVATION
SCALE: 1/2" = 1'-0"



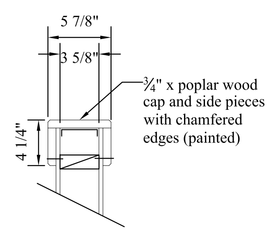
LAVATORY SECTION
SCALE: 1" = 1'-0"



WOMEN'S LAVATORY ROOM # 211
ROOM ELEVATION
SCALE: 1/2" = 1'-0"

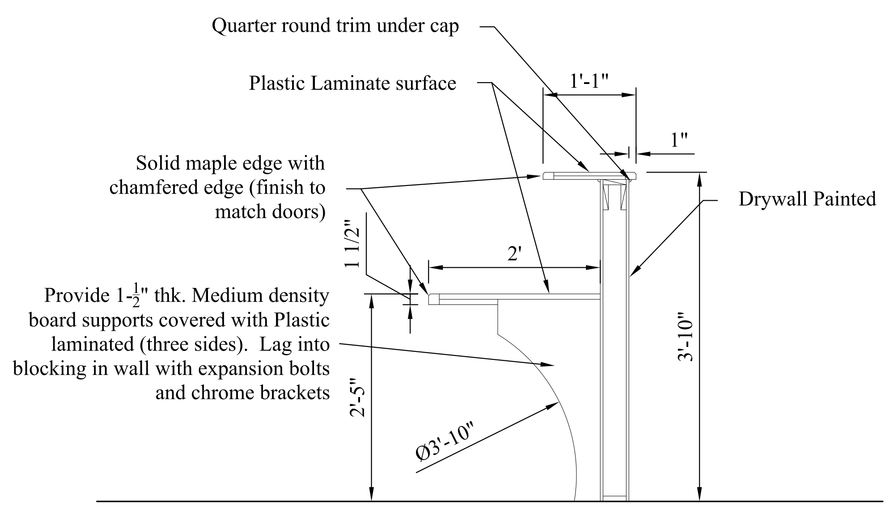


MEN'S LAVATORY ROOM # 212
ROOM ELEVATION
SCALE: 1/2" = 1'-0"

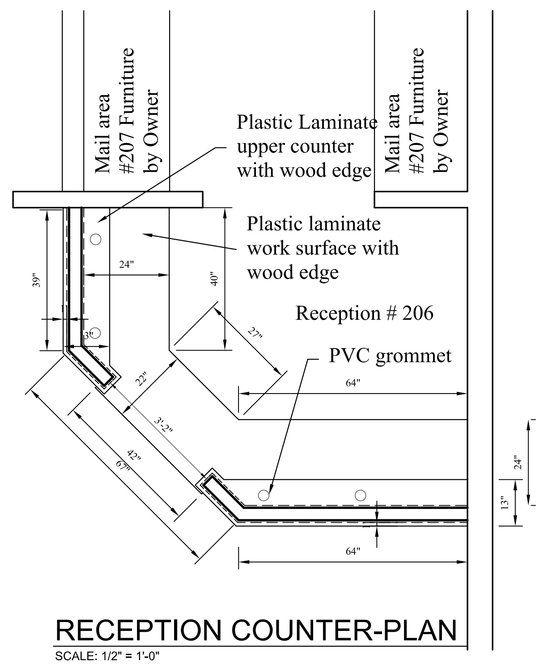


WOOD CAP AT WALLS 90" HIGH
SCALE: 1 - 1/2 " = 1'-0"

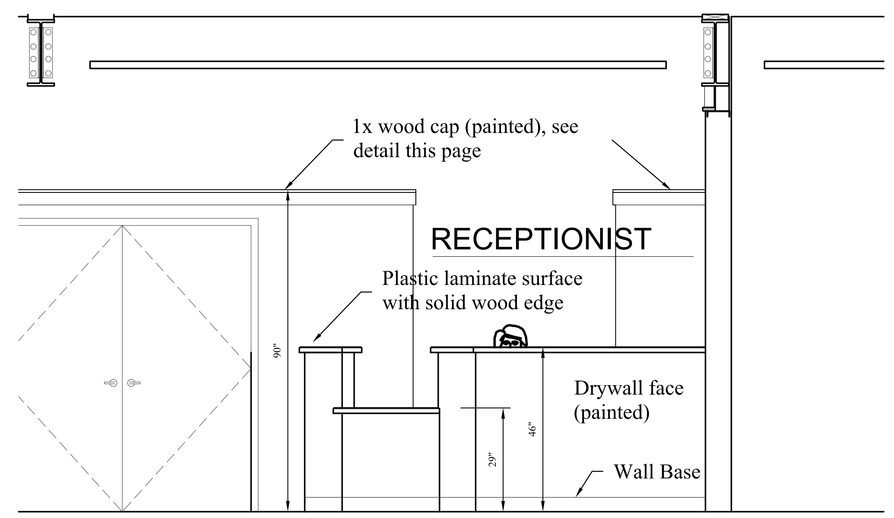
APPROX. 107 LN. FT. OF WALL CAP



RECEPTION COUNTER-SECTION
SCALE: 1" = 1'-0"



RECEPTION COUNTER-PLAN
SCALE: 1/2" = 1'-0"



RECEPTION COUNTER-ELEVATION
SCALE: 1/2" = 1'-0"

ADDENDUM NUMBER TWO
1-4-10
BID SET

ARCHITECT
DeScipio & Associates, Inc.
P.O. BOX 104
ELMHURST, PA 18416
Phone: (570) 842-0407
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www.descipio.com

CONSULTANTS
Greenman-Pedersen, Inc.
50 Glenmaura National Blvd.
Suite 102
Scranton, Pa. 18505
Phone: (570) 342-3700
Fax: (570) 342-4080

REVISIONS

DATE	S	COMMENTS
	1	
	2	
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OWNER & LOCATION
NEPA - Center for Independent Living
1142 Sanderson Avenue
Scranton, Pa.
Lackawanna County

DRAWING TITLE
Cabinetry & Details
Interior Elevations

SCALE: as noted

DATE: 1-4-10

A-8.0

JOB NO.: 96

FILE: 96 PLOT DATE: 1-4-10 SHEET: 3042