DIVISIONS 0 AND1

REFER TO BIDDING DOCMENTS

DIVISION 02: EXISTING CONDITIONS

024119 - SELECTIVE DEMOLITION:

A. Definitions:

- 1. Remove or Demolish: Detach items from existing construction and legally dispose of them off-site unless indicated to be removed and salvaged or removed and reinstalled.
- 2. Remove and Salvage: Carefully detach from existing construction, in a manner to prevent damage, and deliver to Owner ready for reuse.
- 3. Remove and Reinstall: Detach items from existing construction, prepare for reuse, and reinstall where indicated.
- 4. Existing to Remain: Existing items of construction that are not to be permanently removed and that are not otherwise indicated to be removed, removed and salvaged, or removed and reinstalled.
- B. All work performed shall comply with all pertinent codes, rules, ordinances and regulations of the local and state governing authorities.
- C. All work performed shall be in strict compliance with the latest OSHA Safety and Health Standards.
- D. Hazardous Materials: Hazardous Materials: It is not expected that hazardous materials will be encountered in the Work.
- E. General: Demolish and remove existing construction only to the extent required by new construction and as indicated. Use methods required to complete the Work within limitations of governing regulations and as follows:
 - 1. Neatly cut openings and holes plumb, square, and true to dimensions required. Use cutting methods least likely to damage construction to remain or adjoining construction. Use hand tools or small power tools designed for sawing or grinding, not hammering and chopping, to minimize disturbance of adjacent surfaces. Temporarily cover openings to remain.
 - 2. Cut or drill from the exposed or finished side into concealed surfaces to avoid marring existing finished surfaces.
 - 3. Do not use cutting torches until work area is cleared of flammable materials. At concealed spaces, such as duct and pipe interiors, verify condition and contents of hidden space before starting flame-cutting operations. Maintain fire watch and portable fire-suppression devices during flame-cutting operations.
 - 4. Locate selective demolition equipment and remove debris and materials so as not to impose excessive loads on supporting walls, floors, or framing.
 - 5. Dispose of demolished items and materials promptly.
- F. Generally, remove existing improvements as noted or shown on the demolition plan.
- G. General construction:
 - 1. Remove walls, doors, frames, trims, partitions, acoustic ceiling panels,
 - 2. Remove decals, signs, specialties, anchors, nails, screws, and other hardware not being used.
 - Remove floor finish and base where indicated.
 - 4. Owner to remove all furnishings unless noted otherwise on Drawings.
- H. Electrica
- 1. Remove all electrical and communications conduit, boxes, devices and wiring not being used.
- 2. Reconfigure lighting fixtures, switching, emergency lights, fire alarm devices and night lights as dictated by new wall configurations.
- Removed and Reinstalled Items:
 - Clean and repair items to functional condition adequate for intended reuse.
 - 2. Pack or crate items after cleaning and repairing. Identify contents of containers.
 - 3. Protect items from damage during transport and storage.
 - 4. Reinstall items in locations indicated. Comply with installation requirements for new materials and equipment. Provide connections, supports, and miscellaneous materials necessary to make item functional for use indicated.
 - 5. Existing Items to Remain: Protect construction indicated to remain against damage and soiling during selective demolition. When permitted by Owner's On-Site Representative, items may be removed to a suitable, protected storage location during selective demolition and cleaned and reinstalled in their original locations after selective demolition operations are complete.
- Clean adjacent structures and improvements of dust, dirt, and debris caused by selective demolition operations. Return adjacent areas to condition existing before selective demolition operations began.

DIVISION 03 CONCRETE AND DVISION 04: MASONRY (Not Used)

DIVISION 05: METALS

054000 - COLD FORMED METAL FRAMING

- 1. Materials:
- A. Steel Sheet: ASTM A 1003/A 1003M, Structural Grade, metallic coated.
- B. Interior Wall Framing: Standard C-shaped, punched steel studs, steel box or back-to-back headers, and U-shaped, unpunched track.
 - 1. Minimum Steel Thickness: 0.0329 inch.
- C. Soffit Framing: Standard C-shaped, unpunched steel sections.
- 1. Minimum Steel Thickness: 0.0329 inch.
- 2. Framing Accessories:
- A. Fabricate steel-framing accessories from steel sheet, ASTM A 1003/A 1003M, Structural Grade, Type H, metallic coated, of same grade and coating weight used for framing members.
- B. Provide accessories of manufacturer's standard thickness and configuration.

- 3. Anchors, Clips and Fasteners
 - A. Steel Shapes and Clips: ASTM A 36/A 36M, zinc coated by hot-dip process according to ASTM A 123/A 123M.
 - B. Expansion Anchors: Fabricated from corrosion-resistant materials, with allowable load or strength design capacities calculated according to ICC-ES AC193 and ACI 318 greater than or equal to the design load, as determined by testing per ASTM E 488 conducted by a qualified testing agency.
 - C. Power-Actuated Anchors: Fastener system of type suitable for application indicated, fabricated from corrosion-resistant materials, with allowable load capacities calculated according to ICC-ES AC70, greater than or equal to the design load, as determined by testing per ASTM E 1190 conducted by a qualified testing agency.
 - D. Mechanical Fasteners: ASTM C 1513, corrosion-resistant-coated, self-drilling, self-tapping, steel drill screws.

 1. Head Type: Low-profile head beneath sheathing, manufacturer's standard elsewhere.
- 4. Installation:
- A. Fasten framing by screw fastening
 - Wall Stud Spacing: 16 inches maximum.

DIVISION 6: WOOD AND PLASTICS

060660 - PLASTIC FABRICATIONS:

- A. Project includes light diffusing plastic fabrication with back lighting as shown and specified for interior ceiling and wall applications. Basis of Design: 3form "Ready to go Solution" -350.01 Series (Wall to Ceiling Features).
- 3. Submittals:
- 1. Installer Qualifications: Submit a list of 3 completed installations of similar materials and complexity. Include contact name and email address for each installation and product.
- 2. Product Data: Submit latest edition of manufacturers technical data, testing reports, and installation instructions for each product and material indicated.
- Shop Drawings: Including plans, elevations with location of panel joints, sections, and details of product showing component dimensions; framed opening requirements, dimensions, tolerances, attachment to structure, and connection to other work.
- 4. Samples: Provide 3 samples of each type of product indicated
- a. Initial Selection: 2 inches square. Indicate full color, texture and pattern variation.
- b. Verification sample of selected options: 4-inches square.
- 5. Maintenance Data for inclusion in maintenance manuals, project closeout.
- 6. Warranties: Submit manufacturer's standard warranty.
- C. Materials:
 - 1. Provide proprietary LED lighting, attachment brackets and mounts, patterned resin panels
 - a. Resin Engineered acrylic resin; Chroma
 - i. Pattern and color: As selected from manufacturers full colors
 - b. Sheet size: Maximum 4' x 10'
 - c. Thickness: 1" thickness
 - d. Panel Sizes: Custom sizes as shown on drawings.
 - 2. Minimum performance attributes:
 - a. Rate of Burning (ASTM D 635). Material must attain CC2 Rating for a nominal thickness of 1.5 mm (0.060 in.) and greater.
 - b. Self-Ignition Temperature (ASTM D 1929). Material must have a Self-ignition temperature greater than 850°F.
 - c. Density of Smoke (ASTM D 2843). Material must have a smoke density less than 10%.
 - d. Color infusion must use water soluble dyes and penetrate at least 150 microns into material.
 - e. Applied coatings must be low-VOC, contain non-toxic pigments, not contain any heavy metals.
 - f. Matte surface completely renewable onsite.
- D. Fabrication: Fabricate Plastic Fabrications to designs, sizes and thicknesses indicated and to comply with indicated standards. Sizes, profiles and other characteristics are indicated on the drawings. Comply with manufacturer's written recommendations for fabrication.
- Installation:
- 1. Manufacturer's shop to fabricate items to the greatest degree possible
- 2. Utilize fasteners, adhesives and bonding agents recommended by manufacturer for type of installation indicated
- 3. Provide and attach to wall surfaces in accordance with manufacturer's written instructions.

061053 - ROUGH CARPENTRY:

- A. Metal Blocking, Sheet Metal, Construction or No. 2 grade fire retardant treated wood.
 - 1. Application: Blocking concealed in other construction.
 - 2. Where wood is used, furring, blocking, shims, and hanging strips for installing the work, unless concealed within other construction shall be:
 - a. Douglas fir-larch; WWPA
 - b. Hem-fir; WWPA.
- B. In 1-Hr rated and Non-rated partitions: Provide either metal or 2x, fire-retardant treated solid blocking inside walls for supporting items attached to walls.
- C. In 2-Hr rated partitions: NO WOOD BLOCKING. Non-Combustible metal blocking or metal sheet only.
- D. Submittals:
 - . Coordination Drawings for furring & blocking: Show location of each wall mounted item, dimensioned plans and elevations, large-scale details, attachment devices, and other components.
 - a. Show locations and sizes of furring, blocking, and hanging strips, including concealed blocking and reinforcement specified in other Sections.
 - Show electrical device locations in walls or floor structures related to casework and furniture or equipment for coordination purposes.





Weidner Classroom Remodel - #17-0033

No. Description Date

Drawn By: Checked By: CB

Date: 03/17/17

Phase: Construction Documents

Job No: 21611.01

SHEET TITLE: Technical Architectural Specifications

SHEET NO:

A900