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Table listing sections such as DIVISION 2 - SITE CONSTRUCTION, DIVISION 4 - MASONRY, DIVISION 5 - METALS, etc.

DEMOLITION SECTION 02050

1.01 SCOPE: Furnish materials, equipment and labor required for demolition of existing structures as shown on the drawings...

1.02 JOB CONDITION: A. Carefully examine the existing structure, site, the Drawings and all sections of the Specifications to become fully acquainted with the extent of demolition...

UNIT MASONRY SECTION 04200

2.01 CONCRETE MASONRY UNITS: Hollow Load Bearing Split Faced Masonry Units shall be Grade N Type 11 units conforming to the A.S.T.M. Designation C90...

2.02 MORTAR MIX: Approved masons mix conforming to A.S.T.M. Designation G-91 with minimum compressive strength of 1800 p.s.i. at 28 days, Type N.

2.03 AGGREGATE: Clean, sharp, and well-graded sand, free of clay, dust, lumps, shale, alkali, surface coatings and loam or vegetable matter...

2.04 WATER: Clean, rust-free City water.

2.05 HORIZONTAL JOINT REINFORCING: standard mill galvanized truss-type masonry wall reinforcing of proper width for Thickness of wall...

2.06 VERTICAL AND HORIZONTAL WALL REINFORCING: Reinforcing bars in masonry walls shall be ASTM / 615-Grade 60. Splices shall be no less than 40 bar diameters.

3.01 LAYING OUT WORK: Lay out the work according to the dimensions shown on the drawings and recheck all layouts before starting work.

3.02 MORTAR: Mix in strict accordance with manufacturer's instructions, in a light box or mixer to a uniform consistency and color.

3.03 LAYING MASONRY UNITS: Lay all block work true to dimensions, plumb, square, as shown on dwgs, and properly anchor. All courses shall be level.

3.04 PROTECTION: No masonry shall be laid in freezing weather. Keep top of walls covered with non-staining waterproof covering when work is not in progress.

3.05 CLEANING: Keep masonry clean as work progresses. Remove large particles of mortar with chisel. At completion, point up all work required and repair any blocks to provide a uniform finishing texture face.

3.06 COMPLETION: Upon completion remove all debris, equipment, ect, remaining from masonry work.

MISCELLANEOUS METALS SECTION 05500

1.01 SCOPE: Work of this section includes all items of miscellaneous metal.

1.02 SUBMITTALS: Comply with Section 01300.

2.01 LADDER: Fabricate using mild steel shapes. Weld rungs to strings and strings to brackets.

2.02 PERIMETER INSULATION: High density extruded polystyrene foam insulation, with smooth surface and square (butt) edges.

2.03 RIGID WALL INSULATION: High density extruded polystyrene foam insulation, with smooth surface and square (butt) edges.

2.04 ALUMINUM RAILING: 2" diameter aluminum pipe, schedule 40, mill finish, with outside diameter of 2.075 inches and wall thickness of 0.143 inches.

2.05 TRASH AREA GATE: Provide steel angle framework, posts, and miscellaneous items for gates at Trash Area as detailed on drawings.

2.06 UNCAAPPED PARKING SIGNS: As described and shown on drawings. Signs themselves are available from A. B. H. Safety Supply Co., P.O. Box 4782, Chattanooga, TN 37405; telephone 615-265-3054.

2.09 NOT USED

2.10 STAINLESS STEEL PANELS (BELOW HOODS): From bottom of hoods skirts to floor, install 22 gauge Type 304, No. 3 polish stainless steel sheets.

2.11 STAINLESS STEEL PANELS AT SERVICE: BY KRYSSTAL

3.01 WELDING: Welding shall be done by experienced welders using machines and equipment of adequate capacity so passes will be completely continuous and uniform.

3.02 PERIMETER INSULATION: High density extruded polystyrene foam insulation, with smooth surface and square (butt) edges.

3.03 INSTALL RIGID WALL INSULATION: High density extruded polystyrene foam insulation, with smooth surface and square (butt) edges.

3.04 FINISH HARDWARE: Receive, store, and install finish hardware specified in drawings. At completion of the job, check and leave all hardware in optimum operating condition.

3.05 ADHESIVE: For adhering plastic laminate to plywood substrate on walls and cabinets, use contact adhesive equal to Wileonart brushable grade LW5000 plywood and plastic laminate surfaces in accordance with adhesive manufacturer's instructions.

3.06 COUNTER IN OFFICE: Post formed plastic counter covered, as detailed, on 45 lb. density particle board.

3.07 REMOVAL OF EXISTING WORK: A. The removal of all items indicated to be removed shall be done with utmost care, using suitable tools and methods to protect the residue of materials in appropriate locations.

B. Demolition and removal work required to accommodate work under other sections of the Specification and shown on the Drawings is included in this Section 02050.

C. Assume responsibility for utilities or other structures to remain. Replace or repair any damage caused by operations under this contract.

D. Demolition and removal work required to accommodate work under other sections of the Specification and shown on the Drawings is included in this Section 02050.

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FINISH CARPENTRY SECTION 06200

1.01 SCOPE: A. This section includes furnishing and installing all miscellaneous exposed wood members and trim items and Serving Counter, as detailed on the drawings.

B. This section includes installation of metal frames, wood doors, various hardware, and various miscellaneous metals and specialties furnished under other Sections of these Specifications, and related items necessary for a complete and proper installation.

1.02 SUBMITTALS: Comply with Section 01300. Furnish complete shop and erection drawings. Drawings shall show sizes, arrangement of component parts, shapes, type and grade of wood, and any other pertinent information.

1.03 MORTAR: Mix in strict accordance with manufacturer's instructions, in a light box or mixer to a uniform consistency and color.

1.04 PLASTER: Prepare, pre-treat, and apply coating to exposed masonry surfaces in strict accordance with manufacturer's written instructions.

1.05 FINISH HARDWARE: Receive, store, and install finish hardware specified in drawings. At completion of the job, check and leave all hardware in optimum operating condition.

1.06 ADHESIVE: For adhering plastic laminate to plywood substrate on walls and cabinets, use contact adhesive equal to Wileonart brushable grade LW5000 plywood and plastic laminate surfaces in accordance with adhesive manufacturer's instructions.

1.07 COUNTER IN OFFICE: Post formed plastic counter covered, as detailed, on 45 lb. density particle board.

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EXTERIOR INSUL. & FINISH SYSTEM SECTION 07241

1.1 SECTION INCLUDES: A. Composite wall and soffit cladding of rigid insulation and applied coating.

1.2 REFERENCES: A. ASTM E84 - Test Method for Surface Burning Characteristics of Building Materials.

1.3 SUBMITTALS: A. Schedule: Submit schedule indicating which of the listed manufacturers is used.

1.4 QUALIFICATIONS: B. Letter from EIFS manufacturer approving sealant type.

1.5 DELIVERY, STORAGE, AND HANDLING: A. Protect materials from freezing by storing in an environment recommended by manufacturer.

1.6 ENVIRONMENTAL REQUIREMENTS: A. Do not install finish when ambient temp. is below 40 degrees F.

1.7 FINISH HARDWARE: Receive, store, and install finish hardware specified in drawings. At completion of the job, check and leave all hardware in optimum operating condition.

1.8 WARRANTY: A. Special Manufacturer's Warranty: On manufacturer's standard form, in which manufacturer agrees to repair or replace metal panel assemblies that fail in materials and workmanship within one year from date of Substantial Completion.

1.9 FIELD QUALITY CONTROL: A. During construction the work shall be inspected periodically by the manufacturer or its authorized representative.

1.10 PROTECTION OF FINISHED WORK: A. Protect finished work.

1.11 WARRANTY: A. Provide a standard 10 year manufacturer's limited warranty.

METAL WALL PANEL SECTION 07420

1.1 SECTION INCLUDE: A. Exposed fastener metal wall panels, with related metal trim and accessories.

1.2 ADMINISTRATIVE REQUIREMENTS: A. Preinstallation Meeting: Prior to erection of framing, conduct preinstallation meeting at site attended by Owner, Architect, manufacturer's technical representative, inspection agency and related trade contractors.

1.3 QUALITY ASSURANCE: A. Manufacturer/Source: Provide metal panel assembly and accessories from a single manufacturer providing fixed-base roll forming, and accredited under IAS AC 472 Part B.

B. Manufacturer Qualifications: Approved manufacturer listed in this Section with minimum five years experience in manufacture of similar products in successful use in similar applications.

1.4 ACTION SUBMITTALS: A. Product Data: Manufacturer's data sheets for specified products.

B. Shop Drawings: Show layout of metal panels. Include details of each condition of installation, panel profiles, and attachment to building. Provide details at a minimum scale 1-1/2-inch per foot of edge conditions, joints, fastener and sealant placement, flashings, openings, penetrations, and special details.

1.5 INFORMATIONAL SUBMITTALS: A. Samples for Initial Selection: For each exposed product specified including sealants. Provide representative color charts of manufacturer's full range of colors.

B. Samples for Verification: Provide 12-inch-long trim of each metal panel profile. Provide color chip verifying color selection.

1.6 INFORMATIONAL SUBMITTALS: A. Thermal Test Reports: Indicating color selection of product to be installed, witnessed by professional engineer.

B. Qualification Information: Submit letter from installer's field supervisor certifying that installer firm and installer is fully qualified.

C. IAS Accreditation Certificate: Issuing that manufacturer is accredited under provisions of IAS AC 472.

D. Manufacturer's Warranty: Sample copy of manufacturer's standard warranty.

1.7 CLOSEOUT SUBMITTALS: A. Maintenance data.

B. Manufacturer's Warranty: Executed copy of manufacturer's standard warranty.

1.8 DELIVERY, STORAGE, AND HANDLING: A. Protect products of metal panel system during shipping, handling, and storage to prevent staining, denting, deterioration of components or other damage. Protect panels and trim bundles during shipping.

1.9 WARRANTY: A. Deliver, unload, store, and erect metal panel system and accessory items without mishapping panels or exposing panels to surface damage from weather or construction operations.

2. Store in accordance with Manufacturer's written instructions. Provide wood collars for stacking and handling in the field.

1.8 WARRANTY: A. Special Manufacturer's Warranty: On manufacturer's standard form, in which manufacturer agrees to repair or replace metal panel assemblies that fail in materials and workmanship within one year from date of Substantial Completion.

B. Flashings: Install flashings to cover exposed underlayment per Section 07 62 00 "Sheet Metal Flashing and Trim."

3.3 METAL PANEL INSTALLATION: A. Exposed Fastener Metal Wall Panels: Install weathertight metal panel system in accordance with manufacturer's written instructions, approved shop drawings, and project drawings.

B. Panel Sealants: Install manufacturer's recommended tape sealant at panel sidelaps and endlaps.

C. Panel Fastening: Attach panels to supports using screws, fasteners, and sealants recommended by manufacturer and indicated on approved shop drawings.

1. Fasten metal panels to supports at each location indicated on approved shop drawings, with spacing and fasteners recommended by manufacturer.

2. Provide weatherproof jacks for pipe and conduit penetrating metal panels of types recommended by manufacturer.

3. Disimilar Materials: Where elements of metal panel system will come into contact with dissimilar materials, treat faces and edges in contact with dissimilar materials as recommended by manufacturer.

3.4 ACCESSORY INSTALLATION: A. General: Install metal panel trim, flashing, and accessories using recommended fasteners and joint sealers, with positive anchorage to building, and with weather tight mounting. Coordinate installation with flashings and other components.

1. Install components required for a complete metal panel assembly, including trim, copings, flashings, sealants, closure strips, and similar items.

2. Comply with details of assemblies utilized to establish compliance with performance requirements and manufacturer's written installation instructions.

3. Set units true to line and level as indicated. Install work with laps, joints, and seams that will be permanently weather resistant.

B. Joint Sealers: Install joint sealers where indicated and where required for weathertight performance of metal panel assemblies, in accordance with manufacturer's written instructions.

1. Prepare joints and apply sealants per requirements of Division 07 Section "HYPERLINK" <http://www.mbc.com/pdf/specsheet/Join%20Sealant%20Specifications.pdf>. Joint Sealants.

C. Panel Fasteners: Self-lapping screws and other acceptable fasteners recommended by metal panel manufacturer.

1. Exposed Fasteners: Long life fasteners with EPDM or neoprene gaskets, with heads matching color of metal panels by means of factory-applied coating.

D. Joint Sealers: Manufacturer's standard or recommended liquid and preformed sealers and tapes, and as follows:

1. Tape Sealers: Manufacturer's standard non-curing butyl tape, AAMA 809.2.

E. Steel Sheet Miscellaneous Framing Components: ASTM C 645, with ASTM A 653/A 653M, G60 hot-dip galvanized zinc coating.

2.6 FABRICATION: A. General: Provide factory fabricated and finished metal panels and accessories meeting performance requirements, indicated on drawings, and structural requirements.

B. Panel Lengths: Form panels to full lengths for full length of detailed runs, except where otherwise indicated on approved shop drawings.

C. Sheet Metal Flashing and Trim: Fabricate flashing and trim to comply with manufacturer's written instructions, approved shop drawings, and project drawings. Finish in accordance with metal panel substrate and finish.

D. Panel Finishes: Prepare, pre-treat, and apply coating to exposed masonry surfaces in strict accordance with manufacturer's written instructions.

E. Polypropylene Two-Coat System: 0.2 - 0.3 mil primer with 0.7 - 0.8 mil 10 percent PVDF fluoropolymer color coat, AAMA 621.

1. Basis of Design: MBCI, Signature 300.

C. Interior Finish: 0.5 mil total dry film thickness consisting of primer coat and wash coat of manufacturer's standard light-colored acrylic or polyester backer finish.

PART 3 - EXECUTION

3.1 EXAMINATION: A. Examine metal panel system substrate and supports with installer present. Inspect for erection tolerances and other conditions that would adversely affect installation of metal panel installation.

1. Inspect metal panel support substrate to determine if support components are installed as indicated on approved shop drawings. Confirm presence of acceptable supports at recommended spacing to match installation requirements of metal panels.

2. Panel Support Tolerances: Confirm that metal panel supports are within tolerances acceptable to metal panel system manufacturer but not greater than the following:

a. 1/4 inch in 20 foot in any direction.

B. Correct out-of-tolerance work and other deficient conditions prior to proceeding with metal panel system installation.

3.2 PREPARATION

A. Miscellaneous Support Supports: Install subframing, girts, furring, and other miscellaneous panel support members according to ASTM C 754 and manufacturer's written instructions.

B. Flashings: Install flashings to cover exposed underlayment per Section 07 62 00 "Sheet Metal Flashing and Trim."

3.3 METAL PANEL INSTALLATION

A. Exposed Fastener Metal Wall Panels: Install weathertight metal panel system in accordance with manufacturer's written instructions, approved shop drawings, and project drawings.

B. Panel Sealants: Install manufacturer's recommended tape sealant at panel sidelaps and endlaps.

C. Panel Fastening: Attach panels to supports using screws, fasteners, and sealants recommended by manufacturer and indicated on approved shop drawings.

1. Fasten metal panels to supports at each location indicated on approved shop drawings, with spacing and fasteners recommended by manufacturer.

2. Provide weatherproof jacks for pipe and conduit penetrating metal panels of types recommended by manufacturer.

3. Disimilar Materials: Where elements of metal panel system will come into contact with dissimilar materials, treat faces and edges in contact with dissimilar materials as recommended by manufacturer.

3.4 ACCESSORY INSTALLATION: A. General: Install metal panel trim, flashing, and accessories using recommended fasteners and joint sealers, with positive anchorage to building, and with weather tight mounting. Coordinate installation with flashings and other components.

1. Install components required for a complete metal panel assembly, including trim, copings, flashings, sealants, closure strips, and similar items.

2. Comply with details of assemblies utilized to establish compliance with performance requirements and manufacturer's written installation instructions.

3. Set units true to line and level as indicated. Install work with laps, joints, and seams that will be permanently weather resistant.

B. Joint Sealers: Install joint sealers where indicated and where required for weathertight performance of metal panel assemblies, in accordance with manufacturer's written instructions.

1. Prepare joints and apply sealants per requirements of Division 07 Section "HYPERLINK" <http://www.mbc.com/pdf/specsheet/Join%20Sealant%20Specifications.pdf>. Joint Sealants.

C. Panel Fasteners: Self-lapping screws and other acceptable fasteners recommended by metal panel manufacturer.

1. Exposed Fasteners: Long life fasteners with EPDM or neoprene gaskets, with heads matching color of metal panels by means of factory-applied coating.

D. Joint Sealers: Manufacturer's standard or recommended liquid and preformed sealers and tapes, and as follows:

1. Tape Sealers: Manufacturer's standard non-curing butyl tape, AAMA 809.2.

E. Steel Sheet Miscellaneous Framing Components: ASTM C 645, with ASTM A 653/A 653M, G60 hot-dip galvanized zinc coating.

2.6 FABRICATION: A. General: Provide factory fabricated and finished metal panels and accessories meeting performance requirements, indicated on drawings, and structural requirements.

B. Panel Lengths: Form panels to full lengths for full length of detailed runs, except where otherwise indicated on approved shop drawings.

C. Sheet Metal Flashing and Trim: Fabricate flashing and trim to comply with manufacturer's written instructions, approved shop drawings, and project drawings. Finish in accordance with metal panel substrate and finish.

D. Panel Finishes: Prepare, pre-treat, and apply coating to exposed masonry surfaces in strict accordance with manufacturer's written instructions.

E. Polypropylene Two-Coat System: 0.2 - 0.3 mil primer with 0.7 - 0.8 mil 10 percent PVDF fluoropolymer color coat, AAMA 621.

1. Basis of Design: MBCI, Signature 300.

C. Interior Finish: 0.5 mil total dry film thickness consisting of primer coat and wash coat of manufacturer's standard light-colored acrylic or polyester backer finish.

PART 3 - EXECUTION

3.1 EXAMINATION: A. Examine metal panel system substrate and supports with installer present. Inspect for erection tolerances and other conditions that would adversely affect installation of metal panel installation.

1. Inspect metal panel support substrate to determine if support components are installed as indicated on approved shop drawings. Confirm presence of acceptable supports at recommended spacing to match installation requirements of metal panels.

2. Panel Support Tolerances: Confirm that metal panel supports are within tolerances acceptable to metal panel system manufacturer but not greater than the following:

a. 1/4 inch in 20 foot in any direction.

B. Correct out-of-tolerance work and other deficient conditions prior to proceeding with metal panel system installation.

3.2 PREPARATION

A. Miscellaneous Support Supports: Install subframing, girts, furring, and other miscellaneous panel support members according to ASTM C 754 and manufacturer's written instructions.

B. Flashings: Install flashings to cover exposed underlayment per Section 07 62 00 "Sheet Metal Flashing and Trim."

3.3 METAL PANEL INSTALLATION

A. Exposed Fastener Metal Wall Panels: Install weathertight metal panel system in accordance with manufacturer's written instructions, approved shop drawings, and project drawings.

B. Panel Sealants: Install manufacturer