

# **OUTLINE INFORMATIONAL SPECIFICATION**

Revised February 17, 2020

## **Division 3 - Concrete**

1. Concrete Mix - Shall be as follows: Aggregate Size 57 (1 inch), Slump 3" to 5", Minimum Strength 4,000 psi. Select materials and proportion mix to achieve shrinkage less than 0.040 percent (ASTM C157 modified). Water to cementitious material ratio not exceeding 0.45 by weight. Weight of water shall include all free moisture, including liquid admixtures. Mixes shall contain specified high-water reducing admixture at mid-range dosage as required to achieve specified slump.
2. Pre-cast concrete windowsills - Shall be cast with 3000 # concrete mix, size to match drawing dimensions – color gray

## **Division 4 - Masonry**

1. Stone Veneer - Shall be Weather Ledge stone veneer as Manufactured by Dutch Quality Stone. Stone installation shall be as per the National Concrete Manufacturers Association (NCMA) requirements and all associated accessories including any and all requirements/recommendations of the stone manufacturer.
2. Concrete Masonry Units - Shall be Standard size – 16" long x 8" high x 8" deep and shall meet ASTM – C-90
3. Split Rib Concrete Masonry Units - Shall be Standard size – 16" long x 8" high x 8" deep and meet ASTM – C-90. Both colors to be selected by owner.
4. Mortar for Unit Masonry - Shall comply with ASTM 270 – proportion specifications. Cement-Lime mortar.
5. Grout for Masonry Units - Shall comply ASTM C- 476. Use grout of consistency which at time of placement will completely fill all spaces intended to be filled solid with grout. Grout shall have a 28-day compressive strength of 3000 psi.
6. Integral Water Repellant Admixture - Shall be Rheopel admix by BASF or approved equal.
7. Mock-up Masonry - A mock-up wall (full size) (for owner approval) must be constructed before final material/color selection can take place. Mock-up shall consist of stone, window trim, pre-cast concrete windowsill, and window frame/glass. Front of building.

## **Division 6 - Wood and Plastics**

1. Exterior Composite Paneling - Shall be New Tech Wood Ultrashield Natural Composite Cladding-Siding as manufactured by New Tech Wood America Inc. Siding/cladding shall be installed as per manufacture's requirements using all manufactures required components. Color to be selected by owner.
2. Extruded Plastic Liner for Carwash Tunnel - Shall be 16" P1600 (ceiling) and 24" P2400 (walls) panels as manufactured by Extrutech Plastics Inc. or approved equal. Panel installation shall be as per manufactures requirements using all required components. Color shall be white.
  - a. A 3-mil poly sheet vapor barrier shall be installed under wood trusses and on wood wall studs as per extruded plastic liner manufacturer.

## **Division 7 - Thermal and Moisture Protection**

1. Asphalt Shingles - Shall Be manufactured by CertainTeed and selected from their Landmark series or approved equal – final color selection by owner. Shingles shall be installed as per manufacture's requirements using all manufactures required components including but not limited to the following: ridge vents, ice protection (weatheguard), felt underlayment, etc.
  - a. Warranty shall be 20 years.
2. Standing Seam Roofing system - Shall be as manufactured by Interlock Aluminum Standing Seam Roofing Systems with no exposed rivets/screws or approved equal. Aluminum standing seam roofing system installation shall be as per manufactures requirements using all required components. Color shall be solid black.

## **Division 8 - Doors and Windows**

1. Hollow Metal Doors/Frames - Doors shall be 1-3/4" thick, full flush continuously welded edge seams with no visible seams on face or vertical edges, steel stiffened core, insulated with inorganic, noncombustible material. Finish – Paint – color to be selected by Owner/Architect
  - a. Exterior doors shall be ASTM A653 hot-dip galvanized sheet steel, 16 gage (0.0538 inches min.)
  - b. Interior doors shall be 18 gage sheet steel (0.0428 inches min.)
2. Hollow Metal Frames - Frames shall be welded, minimum 16 gage. Finish – paint – color to be selected. By Owner/Architect

3. Aluminum Windows - Shall be Tubelite Aluminum Store Front, 14000 Series Store Front System and all system components or approved equal. Windows shall be installed as per manufacture's requirements using all manufactures required components. Color to be black, Class I - Color anodize coating, Eco-friendly (0.7 mils thick mim.) Glass shall be tinted black.
4. Aluminum Doors - Shall be Tubelite Standard Entrance Series and all system components, Standard Narrow Series or approved equal. Entrances shall be installed as per all manufacture's requirements using all manufactures required components. Color to be black, Class I - Color anodize coating, Eco-friendly (0.7 mils thick mim.) Glass shall be tinted black.
5. Overhead Doors - Glazed Aluminum Sectional Overhead Doors Model 522 as manufactured by Overhead Door Corporation or approved equal. Doors shall be installed as per all manufacture's requirements using all manufactures required components. Overhead door shall have a high cycle spring of 100,000 cycles. Color shall be a powder coating finish – black powder coat. Glazing shall be ¼ inch (6mm) translucent black tempered glass.
  - a. Electric motor operator UL listed, size and type as recommended by manufacture to move door in either direction at less than 2 foot nor more than 3 foot per second. Operator shall meet UL325/2010 requirements for continuous monitoring of safety device.

## **Division 9 - Finishes**

1. Gyp. Board - Shall be Pro Rock moisture resistant as manufactured by CertainTeed or approved equal. Gyp. Board shall be installed as per all manufacture's requirements. Thickness as per drawings.
2. Acoustical Ceilings – Shall be manufactured by Armstrong Newtone Series or approved equal. Ceiling shall be installed as per manufacture's requirements using all manufactures required components including exposed support grid. Both ceiling tiles and grid shall have a 100% humidity resistance. Color shall be white.
3. Epoxy Floor Coating - Shall be Sherwin Williams Pre-Catalyzed Water Based Epoxy K46-150, color blue. Installation/preparation of all surfaces to receive epoxy shall be as per all requirements/recommendations of the epoxy coating manufacture.
4. Paint - All paint shall be Sherwin Williams, latex paint. All surfaces to be painted shall receive 1 coat tinted primer and 2 coats finish. Installation/preparation of surfaces to receive paint shall be as per all requirements/recommendations of the paint manufacturer. Finish color shall be selected by owner.

## **Division 10 - Specialties**

1. Grab Bars - Shall be stainless steel and include all flanges, mounting plates, supports, screws, bolts, and exposed nuts/washers by same manufacture. Sizes as per drawings. Grab bars shall be installed as per all ADA standards.

## **Division 00 - Electrical**

1. Building exterior lighting in all soffits shall be LED lights supplied/installed by electrical contractor - one (1) at each soffit corner and one every 6'-0" max between on both lower and second level soffits. On light box at the highest point of roof install blue LED lights at corners of soffit and one inside light box
2. Building signage hookups – see elevations for location of power boxes. Coordinate with signage supplier for power information and hookup. Signage location is on north, west & south sides of second story (front of building)
3. Washer/dryer hookup to be provided/installed outside restroom inside equipment corridor. Washer to be electric.
4. Site electrical for carwash equipment – Provide 2 – 1" electrical conduits to each vacuum system compressor from electrical room (location shown on site plans). Provide 3 1" electrical conduits to each of the check-in stations (location shown on site plan)

## **Division 00 - Plumbing**

1. Washer/Dryer hookup to be provided/installed outside restroom inside equipment corridor. Dryer to be gas.
2. Vacuum equipment to be supplied/installed by carwash equipment supplier except the vacuum tubing which will be installed by plumbing contractor.