- A. Work of this Contract is to be completed in one phase and will consist of General. Mechanical, and Electrical construction as required to renovate the existing space shown on the Drawings.
- The Tenant may enter into separate contracts for work including but not limited to store fixtures, telecommunications, asbestos abatement, and base building mechanical distribution system. Items noted "NIC" (Not in Contract) will be
- furnished and installed by the Tenant under a separate contract. C. Fixtures/Material as noted to be provided by the Millwork Supplier and installed
- by the General Contractor. D. Contractor is responsible for coordinating the use of premises under direction of the Tenant and Landlord, for work and access by subcontractors, tenant occupancy of adjacent spaces, and protection and safekeeping of materials used under this Contract. Contractor is to repair any damage made to existing building and restore-damaged areas to conditions existing prior to starting work.
- Sequence of Work is to be coordinated to avoid interference with normal operations and security of existing building. Plan work sequence in advance with Tenant and Owner and obtain their approval before staring work. This information is to be
- clarified in the pre-construction meeting. GC is responsible for providing power for all exterior signage. Signage provided by Owner installed by other.
- G. Fire protection work is on a design/build basis, as required. GC is responsible for all drawing submissions, materials, and required labor for fire protection systems unless noted otherwise.
- H. GC to verify completion of furniture and equipment installation.
- Verify existing site conditions and report any discrepancies with the construction drawings to the Architect within 48 hours of construction start. Notify Owner and Architect of existing site conditions that are in conflict with the intent of these documents.
- General Contractor to provide a project superintendent to manage and supervise the
- K. All utility connections and metering to be coordinated with Owner's Construction Manager. GC shall be responsible for setting up all utilities into Owner's name at the commencement of construction.
- GC to provide a waste container and pay for removal service of all refuse and waste materials generated by all prime contractors and subcontractors. Each subcontractor will be responsible for clean-up and removal of his own waste materials from the store.
- M. GC is responsible for quantity and condition of all shipments. GC is to count and check any damaged boxes prior to signing for them. Any and all shortages and damages shall be documented on receiving tickets and reported immediately to Owner upon receipt. Obtain copies of all signed receiving tickets and submit these to Owner on a weekly basis.
- GC to provide Owner with labor and material warranties and service contracts from all sub-contractors and equipment and materials manufacturers. These warranties shall be in effect for a period of one (1) year from installation date.

### SECTION 01045 - CUTTING AND PATCHING

- Submit a written request in advance of any cutting or alteration, which affects the work of the Tenant, or the structural integrity, safety, visual quality, or weather-tightness of any operational element of the project.
- Contractor is responsible for executing work using methods to avoid damage to other work, providing proper surfaces to receive patching and finishing, refinishing surfaces to match adjacent finishes, maintaining water integrity of facility at all times, and providing dust barriers as required to protect existing or new work and Tenant's operations from damage.
- At penetrations of fire-rated wall, ceiling, or floor construction, completely seal voids with fire-rated material for the full thickness of the construction element.
- D. Patched or refinished work shall notch existing adjacent work in texture and appearance.

## SECTION 01500 - CONSTRUCTION FACILITIES

- Barriers: Provide as required to prevent public entry to construction areas and to protect existing facilities and adjacent properties from damage from construction
- Enclosures: Provide temporary insulated weather tight closures of openings in exterior surfaces to provide acceptable working conditions and protection for materials, to allow for temporary heating and to prevent entry of unauthorized persons. Provide doors with self-closing hardware and locks.

# **SECTION 01600 - MATERIALS AND EQUIPMENT**

A. No products are to be included in the project, which contain known hazardous materials, including, but not limited to, asbestos and polychlorinated biphenyl (PCB) materials.

# **SECTION 01710 - FINAL CLEANING**

- A. Execute final cleaning prior to inspection for Substantial Completion. Use only materials and methods recommended by manufacturer of material being cleaned. In addition to removal of debris and cleaning specified in other sections, clean interior and exteriors, exposed-to-view surfaces. Remove temporary protection and labels not required to remain.
- B. Clean all finishes free of dust, and other foreign substances, vacuum carpeted surfaces, scrub and mop hard surface floors, clean equipment, plumbing fixtures, light fixtures, and lamps. Maintain work in a clean condition until Final
- GC to leave waste container until inspection for Substantial Completion or until all equipment and merchandise has been unpacked whichever is later.

# SECTION 02225 - MINOR DEMO FOR REMODELING

- A. Scope: Include removal of designated partitions: building components, equipment and fixtures.
- B. Occupancy: conduct demolition work in manner that will minimize disruption of Owner's normal operations in portions of the building immediately adjacent to Project area. Provide advance notice to Owner of activities that will affect Owner's normal operations. Maintain protected egress and access at all times.
- Condition of Structures: Owner assumes no responsibility for actual condition of items or structures to be demolished. If unanticipated mechanical, electrical, or structural elements that conflict with intended function or design are encountered, investigate and report to Owner and Architect in writing. Pending receipt of directive from Owner, adjust demolition schedule as necessary to continue overall job progress without undue delay.
- If hazardous materials are encountered during demolition operations, comply with applicable regulations, laws and ordinances concerning removal, handling, and protection against exposure or environmental pollution.
- Close openings in exterior surfaces to protect existing work and salvage items from weather and extremes of temperature and humidity.
- Erect and maintain dust-proof partitions and closures as required to prevent spread of dust or fumes to occupied portions of the building.
- Where designated by Owner, remove, protect, and/or store existing salvaged materials and equipment to be reused or turned over to Owner. Reinstall items designated by Drawings or Specifications to full operational condition.
- Remove and dispose of unsuitable material, debris, and abandoned items not marked for salvage. Disposal of all existing to-be-removed material or equipment is the responsibility of the Contractor.
- Locate, identify, stub off, and disconnect utility services that are not indicated to remain. Provide bypass connections as necessary to maintain continuity of service to occupied areas of building. Provide advance notice to Owner if shut down of service is necessary. Work locations of disconnected utilities. Identify and indicate locations on Project Record Documents.
- Maintain fire protection services during selective demolition operations.

#### **SECTION 03100 - CONCRETE FORMS**

#### PART 1 - WORK

PART 2 - PRODUCT

Formwork"

- 1.1 WORK INCLUDED
- A. Form work, shoring, bracing and anchorage for cast-in-place concrete.
- B. Form accessories
- C. Stripping forms
- 2.1 PRODUCT DESCRIPTION A. Formwork: Comply with ACI 347-68 "Recommended Practice for Concrete
- B. Form Materials: Plywood, MDO grade; Steel, 16 gage minimum sheet; fiberglass, smooth faced.
- C. Accessories: Form ties, form release agents, fillets, anchorages.

## **SECTION 03200 - CONCRETE REINFORCEMENT**

- PART 1 WORK 1.1 WORK INCLUDED
- A. Reinforcing steel bars and welded steel wire fabric.
- B. Reinforcement supports
- PART 2 PRODUCT
- 2.1 PRODUCT DESCRIPTION A. Reinforcing Steel: ASTM A615, 60 ksl yield grade billet steel deformed
- B. Welded Steel Wire Fabric: ANSI/ASTM A185 Plain type; uncoated finish.

## **SECTION 03300 - CAST-IN PLACE CONCRETE**

intermediate grade bars; uncoated finish.

- PART 1 WORK
- 1.1 WORK INCLUDED
- A. Cast-in-place building frame members, slabs, footings, piers and columns. B. Floors on metal deck and interior slabs on file.
- C. Equipment Pads.
- PART 2 PRODUCT
- 2.1 PRODUCT DESCRIPTION A. Concrete
- 1. Mix in accordance with ASTM C94.
- Footings and Foundation Concrete: 3000 psi with 4" slump. 3. Slab on Grade Concrete: 4000 psi with 4" slump.
- 4. Structural Slabs, Beams, Girders: 3000psi with 4" slump. 5. Add air entraining agent to mix for concrete exposed to freeze - thaw cycling.
- B. Accessories: Under slab vapor barrier, expansion, joint fillers, control joint keys, reglets, dovetail anchor slots, floor sealer, and floor hardener.
- C. Testing: Three test cylinders will be taken for every 75 or less cubic yards of each class of concrete placed each day.

## **SECTION 04730 - SIMULATED STONE**

- PART 1 WORK 1.1 WORK INCLUDES
- A. Simulated stone assembly installed as wall veneer over a scratch coat prepared

#### As indicated on drawings. PART 2 - PRODUCT

- 2.1 PRODUCT DESCRIPTION
- A. Simulated Stone: Engineered by manufacturer to achieve specified strength, color, and texture, desired handling characteristics, and resistance to effects of
- weathering, degradation by weather. B. Stone Design and color:
- 1. Manufacturer: Per Décor Schedule. C. Install per manufacturer's specifications.

## SECTION 05500 - METAL FABRICATION

- PART 1 GENERAL 1.1 WORK INCLUDES
- A. Metal Framing material, fittings and related support system accessories as indicated
- B. Furnish metal fabrications to be field installed/anchored to structural steel. ..2 DESIGN REQUIREMENTS
- A. Support Structure: The support members shall be located as indicated on the drawings. The spacing shall be as shown on the drawings.
- B. Ceiling anchorage: Whenever possible, attachment to the ceiling structure above shall be by means of imbedded concrete inserts, through bolts, or by direct attachment to the structural framing of the building. When possible, fasteners will
- not be in direct pull-out. C. Vertical Supports: Vertical supports shall provide for basic vertical adjustments.
- D. Seismic Bracing: Framing system shall be adequately braced to meet all code requirements. 1.3 SHOP DRAWINGS
- A. Indicate profiles, sizes, connection attachments, reinforcing anchorage, size and type of fasteners, and accessories.
- B. Include erection drawings, elevations, and details where applicable.
- PART 2 PRODUCT
- 2.1 MATERIALS
- A. Steel Sections: ASTM A36. B. Steel tubing: ASTM A500, Grade B.
- C. Bolts, Nuts, and Washers: ASTM A307. D. Steel Pipe: Schedule 80.
- E. Channel Size: P1000 Series channels as manufactured by Unistrut.
- Pipe Hanger: J1210 as manufactured by Unistrut.
- G. All materials hall be stamped and identifiable by manufacturer and part number (where appropriate). Materials that appear damaged, distressed, unidentifiable or rusted shall not be used and will not be accepted.
- 2.2 FABRICATION A. Verify dimensions on site prior to shop fabrication.
- B. Fabricate items with joints tightly fitted and secured.
- C. Make exposed joints butt tight, flush and hairline.
- D. Supply components required for anchorage of metal fabrications. Fabricate anchorage and related components of same material and finish as metal fabrication, except where specifically noted otherwise.
- 2.3 FINISH
- A. Clean, prepare, and shop prime structural steel members only in areas to be permanently exposed to public view. Do not prime surfaces to be galvanized, fireproofed, field welded or in contact with concrete or not exposed to view. Verify extent with architectural documents. Provide dry film thickness of 2.0
- B. Surface preparation: After inspection and before shipping, clean all steel work to receive finish painting in field. Finish coats shall be specified under provisions of Section 09900.

# PART 3 - EXECUTION

- 3.1 PREPARATION Clean and strip site primed steel items to bare metal where site welding is
- B. Make provisions for erection loads with temporary bracing. Keep work in alignment.
- 3.2 INSTALLATION A. Install items plumb and level, accurately fitted, free from distortion or defects.
- B. Installation shall be accomplished by a fully trained installer authorized by the Anchor material firmly in place. Tighten all connections to their recommended

## **SECTION 06100 - MISCELLANEOUS CARPENTRY** PART 1 - WORK

- 1.1 WORK INCLUDES

- B. Miscellaneous finished wood shelving.
- A. Miscellaneous wood framing with dimension lumber.

- C. Wood furring for wall finishes. D. Concealed wood blocking and rollers for support of cabinets, toilet accessories,
- lockers, shelving. PART 2 - PRODUCT
- 2.1 PRODUCT DESCRIPTION
- A. Lumber: PS 20, any commercial softwood species grades in accordance with
- NFPA Grading Rules; standard grade or better, surfacing four sides (S4S). B. Accessories: Nails, bolts, lags, screws and spikes to be galvanized where used for exterior, or high humidity locations and with treated wood.
- Preservative Treatment: Pressure treat all wood members that come in contact with roofing, waterproofing, the ground, concrete, or masonry. Comply with requirements of American Wood Preservers Association (AWPA) Standards C2 and C9 for preservative treatment.
- Fire Retardant Treatment: Carpentry shall meet a minimum Class III ( C ) flame spread rating per the requirements of ASTM - 84. Where fire-resistive construction is required by building codes, provide wood materials impregnated with fire-retardant chemicals. Identify treated wood with appropriate classification marking of Underwriters Laboratories, Inc.
- E. Miscellaneous Oak Veneer Plywood.

## **SECTION 07840 - FIRE-STOPPING**

- PART 1 WORK 1.1 WORK INCLUDES
- A. Provide fire stopping systems produced and installed to resist the spread of fire, according to requirements indicated, and the passage of smoke and other gases. B. Fire-Resistive Joint Sealants: Provide joint sealants with fire-resistive ratings
- the fire-resistance rating of the construction in which the joint occurs. C. For fire stopping exposed to view, traffic, moisture and physical damage, provide

indicated, as determined per ASTM E 119, but not less than equaling or exceeding

- products that do not deteriorate when exposed to these conditions. D. For piping penetrations for plumbing and wet-pipe sprinkler systems, provide moisture resistant through-penetration fire-stop systems.
- E. For penetrations involving insulated piping, provide through-penetration fire-stop systems not requiring removal of insulation. For fire-stopping exposed to view, provide products with flame-spread values of

less than 25 and smoke developed-values of less than 450, as determined per

## ASTM E 84. SECTION 08110 - HOLLOW METAL DOORS AND FRAMES

- PART 1 GENERAL
- 1.1 SUMMARY A. Section Includes:
- 1. Standard hollow metal doors and frames.
- 1.2 SUBMITTALS A. Product Data: For each type of product indicated. B. Shop Drawings: Include elevations, door edge details, frame profiles, metal
- thicknesses, preparations for hardware, and other details.
- QUALITY ASSURANCE Fire-Rated Door Assemblies: Assemblies complying with NFPA 80 that are listed and labeled by a qualified testing agency, for fire-protection ratings indicated, based on testing at positive pressure according to NFPA 252.
- PART 2 PRODUCTS
- 2.1 STANDARD HOLLOW METAL DOORS A. General: comply with ANSI/SDI A250.8
- Design: 18 gauge hollow metal doors factory applied prime painted. 2. Core Construction: Manufacturer's standard kraft-paper honeycomb, polystyrene, polyurethane, polyisocyanurate, mineral-board, or vertical steel-stiffener core.
- a. Fire Door Core: As required to provide fire-protection and temperature-rise ratings indicated. b. Thermal-Rated (Insulated) Exterior Doors. B. Doors: Face sheets fabricated from metallic-coated steel sheet. Comply with
- ANSI/SDI A250.8 for level and model and ANSI/SDI A250.4 for physical performance level: . Level 1 and Physical Performance Level C (Standard Duty), Model 1 (Full
- 2.2 STANDARD HOLLOW METAL FRAMES General: Comply with ANSI/SDI A250.8.
- B. Frames: Fabricated exterior frames from metallic-coated steel sheet. Interior frames from cold-rolled steel sheet. 1. Fabricate frames as knock down 16 gauge factory applied prime painted.
- PART 3 EXECUTION 3.1 INSTALLATION

# A. Hollow Metal Doors & Frames: Comply with ANSI/SDI A250.11.

- **SECTION 08211 FLUSH WOOD DOORS** PART 1 - GENERAL
- 1.1 SUMMARY A. Section Includes:
- Solid-core doors with wood-veneer faces. B. Related Sections:
- Division 8 Section "Glazing" for glass view panels in flush wood doors. 1.2 SUBMITTALS A. Product Data: For each type of door indicated.

B. Shop Drawings: Indicate location, size, and hand of each door; elevation of each

- kind of door; construction details not covered in Product Data; location and extent of hardware blocking; and other pertinent data. PART 2- PRODUCTS
- 2.1 VENEERED-FACED DOORS FOR TRANSPARENT FINISH
- A. Interior Solid-Core Doors: Grade: Premium, with Grade A faces.
- 2. Species: Maple B. Glazing: Glazing: Factory install glazing in doors. Comply with applicable

#### requirements in Division 8 Section "Glazing". PART 3 - EXECUTION

1.3 COORDINATION

- 3.1 INSTALLATION
- A. Hardware: For installation, see Division 8 Section "Door Hardware." B. Installation Instructions: Install doors to comply with manufacturer's written instructions and the referenced quality standard, and as indicated.
- SECTION 08311 ACCESS DOORS AND FRAMES PART 1 - GENERAL
- 1.1 SUMMARY A. This Section includes access doors and frames for walls and ceilings. 1.2 SUBMITTALS A. Product Data: For each type of access door and frame indicated.
- gain access to concealed plumbing, mechanical, or other concealed work. PART 2 - PRODUCTS

A. Verification: Determine specific locations and sizes for access doors needed to

2.1 ACCESS DOORS AND FRAMES FOR WALLS AND CEILINGS Manufacturers: Subject to compliance with requirements, provide products appropriate to each type of installation.

## PART 3 - EXECUTION

- 3.1 INSTALLATION A. Comply with manufacturer's written instructions for installing access doors and
- B. Set frames accurately in position and attach securely to supports with plane of face
- Install doors flush with adjacent finish surfaces or recessed to receive finish material.

## **SECTION 08710 - DOOR HARDWARE**

panels aligned with adjacent finish surfaces.

- PART 1 GENERAL 1.1 SUBMITTALS
- A. Product Data: For each type of product indicated.
- PART 2 PRODUCTS
- 2.1 SCHEDULED DOOR HARDWARE General: Provide door hardware for each door to comply with requirements in this Section and door hardware sets indicated in door and frame schedule
- Basis for design product: The design for hardware is based on products indicated or a
- comparable product: 1. Butt Hinges: Hager BB1191
- 2. Lock Sets: Schlage AL-Series Saturn
- 3. Kick Down Hold-Open: Don-Jo 1464
- 4. Wall Stops: Don-Jo 1407
- 5. Push/Pull: Don-Jo 7611 6. Closer: LCN 1371
- 7. Robe Hook: Don-Jo 302 8. Kick Plate: Don-Jo 90
- 9. Coordinator: IVES COR Series Panic Device: Von Duprin Series 98
- Threshold: Reese S204A. Half Saddle: Reese S239A. 12. Weather-Stripping: Hollow Metal Door-Reese 815A/Aluminum Door - Reese
- 630 (match door color / finish). 13. Drip: Reese R199A
- 14. Sweeps: Reese 323A 15. Astragal: Reese 184A Finish US26D/626/US32D/630 or comparable.
- PART 3 EXECUTION 3.1 INSTALLATION A. Steel Doors and Frames: Comply with DHI A115 Series. Drill and tap doors and frames
- for surface-applied door hardware according to ANSI A250.6. Wood Doors: comply with DHI A115-W Series. Install each door hardware item to comply with manufacturer's written instructions. Where cutting and fitting are required to install door hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation of

install surface-mounted items until finishes have been completed on substrates involved.

# **SECTION 08800 - GLAZING & MIRRORS**

- PART 1 GENERAL
- 1.1 SUMMARY A. This Section includes glazing for the following products and applications, including those specified in other Sections where glazing requirements are
  - specified by reference to this Section: Windows

4. Mirrors

- 2. Doors 3. Borrowed lites
- 1.2 SUBMITTALS A. Product Data: For each glass product and glazing material indicated.
- PART 2 PRODUCTS 2.1 GLASS PRODUCTS
- A. Annealed Float Glass: ASTM C 1036, type I (transparent flat glass), Quality-Q3, of class indicated. 1. Ultra-Clear (Low Iron) Float Glass: Class I (clear)
- B. Heat-Treated Float Glass: ASTM C 1048; Type I (Transparent flat glass); Quality-Q3.

construction period.

C. Laminated Glass: ASTM C 1172

- D. Mirrors: Clear and tempered glass mirrors: ASTM C 1503. PART 3 - EXECUTION 3.1 GLAZING & MIRRORS A. General: Comply with combined written instructions of manufacturers of glass,
- sealants, gaskets, and other glazing materials, unless more stringent requirements are indicated, including those in referenced glazing publications. 3.2 CLEANING PROTECTION A. Protect glass & mirrors from damage immediately after installation by attaching
- come into contact with glass, remove substances immediately as recommended by glass & mirror manufacturer. Remove and replace glass & mirrors that are broken, chipped, cracked, or abraded

or that is damaged from natural causes, accidents, and vandalism, during

from contact with contaminating substances resulting from construction operations,

including weld splatter. If, despite such protection, contaminating substances do

#### **SECTION 09260 - GYPSUM BOARD SYSTEMS** PART 1 - GENERAL

- 1.1 GYPSUM BOARD SYSTEMS
- A. Scope: Provide metal wall and ceiling framing, blocking, gypsum board installation and finishing (including skim coating where noted), and sound attenuation insulation as shown on Drawings.
- Perform gypsum board systems work in accordance with recommendations of
- ASTM C754 and GA 216 unless otherwise specified in this Section.
- C. Environmental Requirements: Maintain a minimum temperature of 55 degrees F. during application and curing of joint treatment compounds.
- D. Metal Studs: Non-load bearing rolled steel, galvanized, channel shaped, 25 gauge, unless otherwise indicated, punched for utility access. Gold Bond Building Products - Screw Studs; United States Gypsum - Steel Studs; the Celotex Corporation - Steel Studs; Dietrich Industries - Steel Studs. Space at 24" o.c.
- unless noted otherwise. Runner Channels (gauge to match metal studs) cold rolled steel with factory
- applied rust-resistant finish, 1-1/2 inch size, unless otherwise indicated. Furring and Bracing Members: 25 gauge cold formed galvanized steel hat-shaped
- or z-shaped, plain or knurled face. G. Expansion / Control Joints: Gold Bond Building Products - E-Z Strip or U.S.
- Gypsum No. 93. H. Gypsum Board: Standard Gypsum Board: 5/8 inch thick; maximum permissible length; square
- cut ends, tapered edges; ASTM C36. Standard Fire Rated Gypsum Board: UL rated; 5/8 inch thick; maximum permissible length; square cut ends, tapered edges.
- manufacturer's recommendations. 1. Corner Beads: Gold Bond Building Products - Standard Corner Beads; United States Gypsum - Dur-A-Bead.

Gypsum Board Accessories: Provide in accordance with GA 216 and

2. Casing Beads: Gold Bond Building Products - No. 100; U.S. Gypsum - No. Joint Treatment: Gold Bond Building Products - Joint Compounds, Topping

compound and Joint Tape; U.S. Gypsum - Joint Compounds, taping and

- topping, and Perf-A-Tape. 4. Bonding Adhesive: H.B. Fuller Co. - Max Bond; Gold Bond Building Products - Wallboard/Panel Adhesive; United States Gypsum - Durabond 200
- Sound Attenuation Blankets: 2 inch thick blankets. Therm-Fiber as manufactured by United States Gypsum.

#### SECTION 09300 - TILE surface protective trim units with finishing work specified in Division 9 Sections. Do not PART 1 - GENERAL

- 1.1 WORK INCLUDED A. Ceramic or quarry tile installed using the thin set method.
- C. Solid surface shower thresholds. 1.2 PRODUCT DESCRIPTION A. Setting Materials
- Portland Cement ASTM C150 type 1, gray or white to match existing. 2. Hydrated Line: ASTM C-206 or C-207 type S.

Sand: ASTM C-144 for mortar or grout as required.

13/13 wire or 1-1/2" x 2" mesh, 16/13 wire; galvanized.

B. Sealant used in conjunction with ceramic tile.

6. Dry-Set Mortar: ANSI A118.1.

- Water: Clean and potable. Shrinkage Mesh: ANSI A50 3, 2" x 2" mesh, 16/16 wire or 3" x 3" mesh,
- B. Adhesive Materials 1. Thin-set Adhesive, Floors: H.B. Fuller Co. - Full Flex - Universal Latex -Modified Thin Set Mortar. Thin-Set Adhesive, Walls: H.B. Fuller Co. - Double Duty 'Classic' Adhesive.

C. Grout Type: Floor and Wall Tile Grout: Cementitious type (with latex additive for

Edge and Transition Strips: Strip to be Johnsonite CE-45-C, Color Sandalwood 45.

- floor application); colors to be selected by Architect; resistant to shrinking; manufactured by the Upco Company, H.B. fuller (TEC) or Hydroment. Refer to finish Schedule.
- D. Mortar Mix and Grout: Mix and proportion pre-mix setting bed and grout materials in accordance with manufacturer's instructions. Sealant: Penetrating sealant by Aquamix
- Install with track: MT-00-A, fasten with 5/8" concrete nails. Waterproof Sheet Membrane: Membrane shall be NobleSeal TS as manufactured by the Noble Company, or approved equal. Must be provided by same
- manufacturer as grout material. Provide where indicated on floor plan. INSTALLATION crossed streamers to framing held away from glass. Do not apply markers to glass Install ceramic and porcelain tile, in accordance with ANSI A108.4 surface. Remove nonpermanent labels, and clean surfaces. Protect glass & mirrors Install quarry tile in accordance with ANSI A108.3

C. Lay tile to pattern indicated. Verify pattern is uninterrupted through openings.

D. Cut and fit tile tight to protrusions and vertical interruptions. Form corners neatly.

E. Work tile joints uniform in width, subject to variance in tolerance allowed in tile size. Joints: Watertight, without voids, cracks, excess mortar, or grout. Keep expansion/contraction joints free of mortar or grout.

G. Allow tile to set for a minimum of 48 hours prior to grouting.

H. Grout tile joints. I. Apply sealant to junction of tile and dissimilar materials and at juncture of dissimilar planes.

#### Prohibit traffic from floor finish for 3 days after installation. K. Adequately protect floors subject to foot and wheel traffic.

**SECTION 09512 - ACOUSTICAL TILE CEILINGS** PART 1 - GENERAL 1.1 SUMMARY

A. This Section includes acoustical tiles and suspension systems for ceilings.

1.2 SUBMITTALS A. Product Data: For each type of product indicated. 1.3 QUALITY ASSURANCE

1. Standard for Ceiling Suspension Systems Requiring Seismic Restraint:

Comply with ASTM E 580. 2. CISCA's Recommendations for Acoustical Ceilings: Comply with CISCA's "Recommendations for Direct-Hung Acoustical Tile and Lay-in Panel Ceilings - Seismic Zones 0-2."

CISCA's Guidelines for Systems Requiring Seismic Restraint: Comply with

CISCA's "Guidelines for Seismic Restraint of Direct-Hung Suspended Ceiling Assemblies-Seismic Zones 3 & 4." PART 2 - PRODUCTS

641/A641M, Class 1 zinc coating, soft temper.

2.1 ACOUSTICAL TILE CEILINGS, GENERAL

A. Seismic Standard: Comply with the following:

A. Acoustical Tile Standard: Comply with ASTM E 1264. B. Metal Suspension System Standard: Comply with ASTM C 635. C. Attachment Devises: Size for five times the design load indicated in ASTM C 635, Table 1, "Direct Hung." Unless otherwise indicated. Comply with seismic design

1. Size: Select wire diameter so its stress at 3 times hanger design load (ASTM

C 635, Table 1, "Direct Hung") will be less than yield stress of wire, but provide not less than 0.106-inch-(2.69mm-) diameter wire.

requirements.

E. Seismic struts and seismic clips. F. Metal Edge Moldings and Trim: Type and profile indicated or, if not indicated, manufacturer's standard moldings for edges and penetrations that comply with seismic design requirements; formed from sheet metal of same material, finish, and

D. Wire Hangers, Braces, and Ties: Zinc-coated carbon-steel wire; ASTM A

color as that used for exposed flanges of suspension system runners. 2.2 ACOUSTICAL TILE AND SUSPENSION SYSTEM A. Products: Per Décor Schedule.

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HASTINGS, MN 55033

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PROJECT INFORMATION

MICHAEL J. WILKUS MICHAEL J. WILKUS, ARCHITECT LICENSE NUMBER: A3371 EXPIRATION DATE: 06-30-17

PROJECT NO.: 2016-0166

DRAWN BY: DAA

CHECKED BY: KMB

PERMIT SET

FIRM NUMBER: 2312339996

EXPIRATION DATE: 06-30-17

DATE:

03-09-16

DATE:

PROJECT LOCATION: DURANT, OK

**SPECIFICATIONS** 

SHEET NUMBER / TITLE: