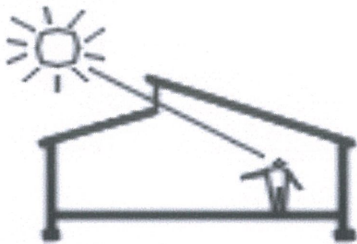


PROJECT INFORMATION  
Technical Specification

Project Name: Masjid Sunnah Renovation  
Project Number: 001 - 2017  
City, ST: 2312 South Division, Grand Rapids, MI 49507  
Date Project Created: November, 2017  
Date of Specification: April 30, 2018

Project Architect: DFD Architecture, LLC



DFD Architecture, LLC

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DOCUMENT 00520

AGREEMENT FORM

1. Owner-Contractor Agreement Form: AIA A105, Owner-Contractor Agreement Form - Small Projects and A 205 General Conditions for Small Project,

END OF DOCUMENT

SECTION 04800  
UNIT MASONRY

PART 1 GENERAL

1.1 SUMMARY

- A. Provide unit masonry construction.

1.2 SUBMITTALS

- A. Product Data: Submit manufacturer's product data and installation instructions for each material and product used.
- B. Samples: Submit two representative samples of brick, metal tie, and mortar to be used. Include range samples if variation of finish is anticipated.

1.3 QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers, which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.

PART 2 PRODUCTS

2.1 MATERIALS

- A. Clay Masonry Units:
1. Manufacturers: Belden Brick Company (The); Corporate Office & Bowerston Plant; Meridian Brick; Old Carolina Brick Co.; Redland Brick Inc.; Stone Farm Living.
  2. Application: Brick veneer on sheathing and wood studs.
  3. Size: Standard, 3-5/8 inches thick by 2-1/4 inches high by 8 inches long.
  4. Size: Standard modular, 3-5/8 inches thick by 2-1/4 inches high by 7-5/8 inches long.
  5. Size: Match existing.
  6. Grade: ASTM C 216, Grade SW, severe weathering type for areas subject to freeze-thaw.
  7. Type: ASTM C 216, Type FBS, for general exposed use.
  8. Bond Pattern: Match existing.
- B. Mortar and Grout for Brick and Concrete Masonry Unit Assemblies:
1. Mortar Materials: ASTM C270, Type N, 750 PSI Mortar
- C. Veneered Wall Tie
1. Corrugated masonry strapping ties that are hot-dipped galvanized in accordance with ASTM A-153

PART 3 EXECUTION

3.1 INSTALLATION

- A. Installation of Masonry Assemblies:
1. Comply with PCA Recommended Practices for Laying Concrete Block, Brick Institute of America BIA Tech Notes, and NCMA TEK Bulletins.
  2. Comply with cold weather and warm weather protection procedures as recommended in BIA Tech Notes.
  3. Sawcut units when required. Maintain uniform joint width. Provide full bed, head and

- collar joints..
4. Install accessories in masonry construction.
  5. Coordinate installation weep holes and flashing.
  6. Comply with applicable codes and regulations for spacing of ties and horizontal reinforcing.
  7. Provide expansion and control joints in accordance with BIA and NCMA recommendations.
  8. Remove and replace damaged units.
  9. Clean brick using bucket and brush method, BIA Tech Note 20.

END OF SECTION

SECTION 06100  
ROUGH CARPENTRY

PART 1 GENERAL

1.1 SUMMARY

- A. Provide rough carpentry.

1.2 SUBMITTALS

- A. Product Data: Submit manufacturer's product data and installation instructions for each material and product used.

1.3 QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers, which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
- B. Lumber Standards and Grade Stamps: DOC PS 20, American Softwood Lumber Standard and inspection agency grade stamps.
- C. Construction Panel Standards: DOC PS 1, U.S. Product Standard for Construction and Industrial Plywood; APA PRP-108.
- D. Wood Framing Standards: NFPA House Framing Manual.  
1. Interior Wall Framing: 2 inch by 4-inch (38 mm by 89 mm actual) studs, 16 inches (40 cm) on center.
- E. Preservative Treatment: AWPA C2 for lumber and AWPA C9 for plywood; waterborne pressure treatment. Provide for wood in contact with soil, concrete, masonry, roofing, flashing, dampproofing and waterproofing.

PART 2 PRODUCTS

2.1 MATERIALS

- A. Rough Carpentry Applications:
1. Manufacturers, Dimensional Lumber: From a local lumber and supply store.
  2. Manufacturers, Pressure-Treated Wood Products: From a local lumber and supply store.
  3. Manufacturers, Fire-Retardant Treated Wood Products: [Chicago Flameproof](#); [Viance - Treated Wood Solutions](#).
  4. Manufacturers, Wood Sheathing: From a local lumber and supply store.
  5. Application: Framing with dimension lumber.
  6. Application: Framing with engineered wood products.
  7. Application: Framing with timbers.
  8. Application: Rooftop equipment bases and support curbs.
  9. Application: Wood furring.
  10. Application: Backing panels.
  11. Application: Wood sheathing.
  12. Application: Subflooring.
  13. Application: Underlayment.
  14. Application: Building wrap.

15. Dimension Lumber:
  - a. Light Framing: Stud, No. 3 or Standard grade.
  - b. Structural Framing: No. 2 grade (Stud wall in basement, headers) .
  - c. Species: Any species of grade indicated.
  - d. Exposed Framing: Appearance grade.
  - e. Moisture content: 19 percent or less
16. Timbers:
  - a. Species and Grade: WCLIB/MWPA select structural Douglas fir.
  - b. Type: Free of heart center.
17. Miscellaneous Lumber:
  - a. Moisture Content: 19 percent or less.
  - b. Grade: Standard grade light framing.
18. Engineered Wood Products:
  - a. Laminated-Veneer Lumber: A composite of wood veneers with grain primarily parallel to member lengths, manufactured with an exterior-type adhesive complying with ASTM D 2559.
  - b. Parallel-Strand Lumber: A composite of wood strand elements with grain primarily parallel to member lengths, manufactured with an exterior-type adhesive complying with ASTM D 2559.
19. Construction Panels:
  - a. Combination Subfloor-Underlayment: Exposure 1, Structural I, Underlayment.
  - b. Oriented-Strand-Board, Combination Subfloor-Underlayment: Exposure 1.
  - c. Plywood Subflooring: Exposure 1, Structural I.
  - d. Plywood Wall Sheathing: Exposure 1, Structural I sheathing.
  - e. Oriented-Strand-Board Wall Sheathing: Exposure 1, Structural sheathing.
  - f. Telephone and Electrical Equipment Backing Panels: DOC PS 1, Exposure 1, C-D Plugged, fire-retardant treated.
  - g. Plywood Underlayment for Resilient Flooring: DOC PS 1, Exterior A-C with fully sanded face.
  - h. Plywood Patching for Carpeted Floors: DOC PS 1, Interior Underlayment.
20. Building Wrap:
  - a. Provide "Tyvek Housewrap" water resistant building paper on exterior wall sheathing. See drawings for locations. Apply building paper horizontally with 6 inch overlap and 6 inch end lap, fasten to sheathing with galvanized staples or roofing nails. Cover upstanding flashing with 6 inch overlap, seal seams and edges and penetrations with "protecto wrap" , extend into jambs of openings and seal corners with tape. Comply with manufacturer's written instructions for installation.
21. Framing Anchors and Fasteners:
  - a. Material: Non-corrosive, suitable for load and exposure. Drywall screws are not acceptable.

## PART 3 EXECUTION

### 3.1 INSTALLATION

- A. Securely attach rough carpentry work to substrate by anchoring and fastening as indicated.
- B. Plywood: Comply with applicable recommendations contained in APA Form No. E30K, "APA Design/Construction Guide: Residential & Commercial"
- C. Provide nailers, blocking and grounds where required. Set work plumb, level & accurately cut.
- D. Install materials and systems in accordance with manufacturer's instructions and approved submittals. Install materials and systems in proper relation with adjacent construction. Coordinate with other work.

- E. Comply with manufacturer's requirements for cutting, handling, fastening and working treated materials.
- F. Restore damaged components. Protect work from damage.

END OF SECTION



SECTION 06200  
FINISH CARPENTRY

PART 1 GENERAL

1.1 SUMMARY

- A. Provide interior finish carpentry..

1.2 SUBMITTALS

- A. Product Data: Submit manufacturer's product data and installation instructions for interior frames, jambs, and trim.

1.3 QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers, which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
- B. Standards: Architectural Woodwork Institute (AWI) 'Architectural Woodwork Standards.'
- C. Preservative Treatment: Nonpressure method, exterior type, AWPA N1

PART 2 PRODUCTS

2.1 MATERIALS

- A. Interior Frames and Jambs and Trim:
1. Manufacturers: From a local lumber and supply store
  2. Species for Opaque Finish: White Pine or Southern Pine
  3. Grade: Custom.
  4. Grade: Economy.
  5. Field Finish: Primed and painted.
- B. Exterior Standing and Running Trim and Rails:
1. Manufacturers: From a local lumber and supply store
  2. Species for Opaque Finish: White Pine or Southern Pine.
  3. Field Finish: Primed and painted.
- C. Interior Auxiliary Materials:
1. Manufacturers: Liquid Nails Brand.
  2. Screws: FS FF-S-111.
  3. Nails: FS FF-N-105.
- D. Exterior Fasteners:
1. Manufacturers: Liquid Nails Brand.
  2. Nails: Stainless steel, aluminum or hot-dip galvanized siding nails.
  3. Screws and Anchors: Noncorrosive, type required for secure anchorage.

## PART 3 EXECUTION

### 3.1 INSTALLATION

- A. Provide work to sizes, shapes, and profiles indicated. Install work to comply with quality standards referenced. Back prime work and install plumb, level and straight with tight joints; scribe work to fit.
- B. Quality Standard: Install woodwork to comply with AWI standards for the same grade specified for type of woodwork involved.
- C. Install materials and systems in accordance with manufacturer's instructions and approved submittals. Install materials and systems in proper relation with adjacent construction. Coordinate with work of other sections.
- D. Comply with manufacturer's requirements for cutting, handling, fastening and working treated materials.
- E. Repair minor damage, clean and protect.

END OF SECTION

SECTION 08110  
STEEL DOORS AND FRAMES

PART 1 GENERAL

1.1 SUMMARY

- A. Provide steel doors and frames.

1.2 SUBMITTALS

- A. Product Data: Submit manufacturer's product data and installation instructions for each material and product used.
- B. Shop Drawings: Submit shop drawings indicating material characteristics, details of construction, connections, and relationship with adjacent construction. Need to make sure the door fits the opening.

1.3 QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers, which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
- B. Standards: ANSI/SDI-100, Recommended Specifications for Standard Steel Doors and Frames.
- C. Performance Standards:
  - 1. Thermal-Rated Assemblies at Exterior: ASTM C 236 or ASTM C 976.

PART 2 PRODUCTS

2.1 MATERIALS

- A. Interior Steel Doors:
  - 1. Manufacturers: Republic Doors and Frames an Allegion Brand; Steel Door Institute; Steelcraft an Allegion Brand, and Curries.
  - 2. Material: Minimum 18 gauge steel sheet.
  - 3. Thickness: 1-3/4 inches.
  - 4. Finish: Factory primed and field painted.
- B. Interior Steel Frames:
  - 1. Manufacturers: Republic Doors and Frames an Allegion Brand; Steel Door Institute; Steelcraft an Allegion Brand and Curries.
  - 2. Material: Minimum 16 gauge steel sheet.
  - 3. Corners: Mitered or coped.
  - 4. Type: Welded.
  - 5. Type: Drywall slip-on.
  - 6. Finish: Factory primed and field painted.

- C. Exterior Steel Doors:
  - 1. Manufacturers:;Republic Doors and Frames an Allegion Brand;Steel Door Institute;Steelcraft an Allegion Brand, and Curries
  - 2. Material: Minimum 16 gauge galvanized steel sheet.
  - 3. Door Thickness: 1-3/4 inches, thermally insulated.
  - 4. Finish: Factory primed and field painted.
  - 5. Accessories:
    - a. Glazing stops (Glazing can be factory installed or installed on site)
  
- D. Exterior Steel Frames:
  - 1. Manufacturers:;Republic Doors and Frames an Allegion Brand;Steel Door Institute;Steelcraft an Allegion Brand and Curries..
  - 2. Material: Minimum 16 gauge galvanized steel sheet.
  - 3. Corners: Mitered or coped.
  - 4. Type: Welded.
  - 5. Finish: Factory primed and field painted.

## PART 3 EXECUTION

### 3.1 INSTALLATION

- A. Fabricate work to be rigid, neat and free from seams, defects, dents, warp, buckle, and exposed fasteners. Install doors and frames in compliance with SDI-100, NFPA 80, and requirements of authorities having jurisdiction.
- B. Provide thermally improved doors with maximum U-value of 0.24 BTU/hr./sq. ft. degree F (ASTM C 236) for all exterior doors and elsewhere as noted.
- C. Hardware: Prepare doors and frames to receive hardware on final schedule. Provide for 3 silencers on single doorframes; 2 on double doorframes.
- D. Shop Finish: Clean, treat and prime paint all work with rust-inhibiting primer Provide asphalt emulsion sound deadening coating on concealed frame interiors.
- E. Touch-up damaged coatings ready to receive finish painting.

END OF SECTION

SECTION 08210  
FLUSH WOOD DOORS

PART 1 GENERAL

1.1 SUMMARY: Provide flush wood doors.

1.2 SUBMITTALS

- A. Product Data: Submit manufacturer's product data and installation instructions for each material and product used.
- B. Samples: Submit two representative samples of each material specified indicating visual characteristics and finish. Include range samples if variation of finish is anticipated.
- C. Warranty: Submit manufacturers standard warranty. Include labor and materials to repair or replace defective materials.
  - 1. Solid-Core Exterior Doors: 5 years.
  - 2. Solid-Core Interior Doors: Life of installation.

1.3 QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers, which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
- B. Quality Standards: [NWWDA I.S.1-A, 'Architectural Wood Flush Doors.'] [AWI's 'Architectural Woodwork Standards.'].]

PART 2 PRODUCTS

2.1 MATERIALS

- A. Interior Flush Wood Doors:
  - 1. Manufacturers: Jeld-Wen or Mastercraft.
  - 2. Type: Solid core with wood or MDF Frame.
  - 3. Thickness: 1-3/4 inches thick.
  - 4. Door Veneer - Smooth hardboard or wood veneer
  - 5. Finish: Factory primed and field painted.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Comply with NWMA I.S. 1A and specified quality standard.
- B. Prefit doors to frames. Premachine doors for hardware listed on final schedules. Factory bevel doors.
- C. Install doors with not more than 1/8 inch clearance at top and sides, 1/4 inch at bottom. Comply with NFPA 80 for rated assemblies.
- D. Adjust, clean, and protect.

END OF SECTION

SECTION 08550  
WOOD WINDOWS

PART 1 GENERAL

1.1 SUMMARY

- A. Provide wood windows.

1.2 SUBMITTALS

- A. Product Data: Submit manufacturer's product data and installation instructions for each material and product used.
- B. Shop Drawings: Submit shop drawings indicating material characteristics, sample materials, details of construction, connections, and relationship with adjacent construction.
- C. Warranty: Submit manufacturer's standard warranty. Include labor and materials to repair or replace defective materials.
  - 1. Warranty Period: 5 years.
- D. Maintenance Data: Submit manufacturer's maintenance data, including maintenance schedule.

1.3 QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers, which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
- B. Performance: Comply with AAMA/NWWDA 101/I.S.2 for performance class and grade of window specified.

PART 2 PRODUCTS

2.1 MATERIALS

- A. Wood Windows:
  - 1. Manufacturers: Pella, Andersen or Jeld- Wen,
  - 2. Wood Window Members: Kiln-dried clear ponderosa pine or suitable fine-grain lumber.
  - 3. Anchors, Clips, and Window Accessories: Aluminum, nonmagnetic stainless steel, or galvanized steel.
  - 4. Grade: Light commercial.
    - a. Standard: AAMA/NWWDA 101/I.S. 2, Grade 40.
  - 5. Window Type: Prime-coated wood windows
  - 6. Window Operation: Awning windows.
  - 7. Window Operation: Fixed windows.
  - 8. Glazing: Insulating glass with low-e coating.
  - 9. Glazing Color: Clear glass.
  - 10. Glazing Pattern: Single pane per sash.
  - 11. Interior Wood Finish: Field primed and painted.
  - 12. Interior Wood Finish: Factory primed and field painted
  - 13. Exterior Wood Finish: Field primed and painted.
  - 14. Exterior Wood Finish: Factory primed and field finished.

15. Auxiliary Materials:
  - a. Operating hardware.
  - b. Insect screening.

### PART 3 EXECUTION

#### 3.1 INSTALLATION

- A. Install materials and systems in accordance with manufacturer's instructions and approved submittals. Install materials and systems in proper relation with adjacent construction and with uniform appearance. Coordinate with work of other sections.
- B. Restore damaged finishes and test for proper operation. Clean and protect work from damage.

END OF SECTION

SECTION 08710  
DOOR HARDWARE

PART 1 GENERAL

1.1 SUMMARY

- A. Provide door hardware.

1.2 SUBMITTALS

- A. Product Data: Submit manufacturer's product data and installation instructions for each material and product used.
- B. Submit for approval hardware schedule proposed for use based on door schedule and the owners needs. List manufacturer's names for each type of hardware used.

1.3 QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers, which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
- B. Door hardware should comply with the following standards:  
Materials: ANSI/Builders Hardware Manufacturer's Association A156 series  
Installation: ANSI/Door and Hardware Institute A115 series

PART 2 PRODUCTS

2.1 MATERIALS

- A. Door Hardware:
  - 1. Manufacturers: [Knappe & Vogt Mfg. Co.](#); Ingersoll Rand, Hager, Yale, and Schlage
  - 2. Quality Level: Commercial.
  - 3. Locksets and Latchsets: Bored cylindrical type.
  - 4. Locksets and Latchsets: Mortise type.
  - 5. Lock Cylinders: Interchangeable.
  - 6. Keying: Owner's requirements.
  - 7. Hinges and Butts: Full-mortise type at interior, with nonremovable pins at exterior doors.
  - 8. Closers, Door Control, and Exit Devices: Low frequency for interior and back doors
  - 9. Closers, Door Control, and Exit Devices: Barrier-free for front entry doors
  - 10. Pivots: Offset or center-hung type.
  - 11. Push/Pull Units: Through-bolted type.
  - 12. Hardware Finishes: Satin chrome finish on exposed surfaces.
  - 13. Auxiliary Materials:
    - a. Door Trim Units: Kickplates,
    - b. Stops and overhead door holders.
    - c. Weatherstripping, thresholds, and accessible thresholds.



## PART 3 EXECUTION

### 3.1 INSTALLATION

- A. Follow guidelines of DHI 'Recommended Locations for Builder's Hardware and hardware manufacturers' instructions.
- B. Install materials and systems in accordance with manufacturer's instructions and approved submittals. Install materials and systems in proper relation with adjacent construction and with uniform appearance. Coordinate with work of other sections.
- C. Adjust operation, clean and protect.

### 3.2 SCHEDULE

- A. Hardware Schedule:

END OF SECTION

SECTION 08800  
GLAZING

PART 1 GENERAL

1.1 SUMMARY

- A. Provide glass and glazing.

1.2 SUBMITTALS

- A. Product Data: Submit manufacturer's product data and installation instructions for each material and product used.
- B. Warranty: Submit manufacturer's standard warranty. Include labor and materials to repair or replace defective materials.
  - 1. Tempered Glass: Manufacturer's 10-year warranty.
  - 2. Insulating Glass: Manufacturer's 10-year warranty.

1.3 QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers, which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
- B. Glazing for Fire-Rated Assemblies: Glazing for assemblies that comply with NFPA 80
- C. Safety Glazing Products: Comply with testing requirements in 16 CFR 1201 and, for wired glass, ANSI Z97.1.
- D. Glazing Publications:
  - 1. IGMA Publication for Insulating Glass: SIGMA TM-3000, 'Glazing Guidelines for Sealed Insulating Glass Units.'

PART 2 PRODUCTS

2.1 MATERIALS

- A. Glass and Glazing:
  - 1. Type: Single glass units, tempered at locations as required by Code.
  - 2. Type: Insulating glass units, tempered at locations as required by Code.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Inspect framing and report unsatisfactory conditions in writing.
- B. Comply with GANA "Glazing Manual" and manufacturers instructions and recommendations. Use manufacturer's recommended spacers, blocks, primers, sealers, gaskets and accessories.
- C. Install glass with uniformity of pattern, draw, bow and roller marks.
- D. Install sealants to provide complete wetting and bond and to create a substantial wash away

from glass.

- E. Remove and replace damaged glass and glazing. Wash, polish and protect all glass supplied under this section.

END OF SECTION

SECTION 09250  
GYPSUM BOARD ASSEMBLIES

PART 1 GENERAL

1.1 SUMMARY

- A. Provide gypsum board assemblies.

1.2 SUBMITTALS

- A. Product Data: Submit manufacturer's product data and installation instructions for each material and product used.

1.3 QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers, which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
- B. Tolerances: Not more than 1/16-inch difference in true plane at joints between adjacent boards before finishing. After finishing, joints shall be not be visible. Not more than 1/8 inch in 10 feet deviation from true plane, plumb, level and proper relation to adjacent surfaces in finished work.
- C. Fire Resistance for Fire-Rated Assemblies: ASTM E 119.
- D. Performance: Fire, structural, and seismic performance meeting requirements of building code and local authorities.

PART 2 PRODUCTS

2.1 MATERIALS

- A. Gypsum Board:
1. Manufacturers: ClarkDietrich Building Systems; Continental Building Products; PABCO Gypsum.
  2. Material: Gypsum board containing organic material and sulfuric compounds particularly strontium sulfide is not permitted on this project.
  3. Application: Interior walls, partitions, and ceilings with tape and joint compound finish.
  4. Application: Remodeling at existing gypsum board or plaster construction.
  5. Application: Installation of access panels in gypsum board assemblies.
  6. Material Standard: ASTM C1396.
  7. Type: Board for tape and joint compound finish.
    - a. Type: Regular, moisture-resistant and fire-rated types as required.
    - b. Typical Thickness: 5/8 inch.
  8. Type: Water-resistant gypsum backing board.
    - a. Type: Regular and fire-rated types as required:
    - b. Typical Thickness: 5/8 inch.
  9. Joint Treatment: ASTM C474 and ASTM C840, 3-coat system, paper or fiberglass tape.
  10. Auxiliary Materials:
    - a. Cornerbead, edge trim and control joints.
    - b. Extruded aluminum reveals and channels.
    - c. Gypsum board screws, ASTM C 1002.
    - d. Gypsum board nails, ASTM C 514.

- e. Fastening adhesive.
- f. Concealed acoustical sealant.
- g. Mineral fiber sound attenuation blankets.
- h. Acoustical finish.
- i. Fire Caulking

## PART 3 EXECUTION

### 3.1 INSTALLATION

- A. Install gypsum board for tape and 3-coat joint compound finish in compliance with ASTM C 840 and GA 216, Level 4 finish. Install gypsum board assemblies true, plumb, level and in proper relation to adjacent surfaces.
- B. Provide fire-rated systems where indicated and where required by authorities having jurisdiction.
- C. Install boards vertically. Do not allow butt-to-butt joints and joints that do not fall over framing members.
- D. Where new partitions meet existing construction, remove existing cornerbeads to provide a smooth transition.
- E. Provide acoustical sealant at both faces at top and bottom runner tracks, wall perimeters, openings, expansion and control joints.
- F. Install trim in strict compliance with manufacturer's instructions and recommendations.
- G. Repair surface defects. Leave ready for finish painting or wall treatment.

END OF SECTION

SECTION 09510  
ACOUSTICAL CEILINGS

PART 1 GENERAL

1.1 SUMMARY

- A. Provide acoustical ceilings and suspension systems.

1.2 SUBMITTALS

- A. Product Data: Submit manufacturer's product data and installation instructions for each material and product used.
- B. Samples: Submit two representative samples of the panel and grid used in the ceiling.

1.3 QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers, which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
- B. Performance: Fire, structural, and seismic performance meeting requirements of building code and local authorities. Acoustical performance based on project requirements.

PART 2 PRODUCTS

2.1 MATERIALS

- A. Mineral Fiber Acoustical Ceilings:
  - 1. Manufacturers: Celotex
  - 2. Panel Size: 24 by 24 inches.
  - 3. Panel Edge: Square.
  - 4. Grid: Exposed flush grid.
  - 5. Suspension System: Intermediate duty.
  - 6. Auxiliary Materials:
    - a. Edge molding and trim.
    - b. Hold-down clips and impact clips.
    - c. Concealed acoustical sealant.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Install materials and suspension systems in accordance with manufacturer's instructions and recommendations, and ASTM C 636. Coordinate installation with location of mechanical and electrical work to ensure proper locations and anchorage.
- B. Level ceiling to within 1/8 inch in 10 feet in both directions. Scribe and cut panels to fit accurately. Measure and layout to avoid less than half panel units.

- C. Removal and reinstallation at existing ceilings: Remove and store materials for reuse when allowed. Handle with white gloves and avoid damaging corners and edges. Clean tiles and grid system, which have been removed. Provide additional materials to complete the work and to replace damaged existing materials. New materials shall match existing materials as approved.
- D. Adjust, clean, and touch-up all system components.

END OF SECTION

SECTION 09650  
RESILIENT FLOORING

PART 1 GENERAL

1.1 SUMMARY - Provide resilient flooring and floor preparation.

1.2 SUBMITTALS

- A. Product Data: Submit manufacturer's product data and installation instructions for each material and product used.
- B. Samples: Submit two representative samples of each material specified indicating visual characteristics and finish. Include range samples if variation of finish is anticipated.
- C. Extra Stock: Submit extra stock equal to 2% of total used.

1.3 QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers, which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.

1.4 WARRANTY

- A. 10 Year Commercial Wear Warranty..

PART 2 PRODUCTS

2.1 MATERIALS

- A. Vinyl Plank Flooring:
  - 1. Manufacturers: US Floor ,Fusion Floors
  - 2. Type: 20 mil commercial wear layer, with vinyl top layer and a high density waterproof core
  - 3. Size: 12 by 24 inches.
  - 4. Size: 5 x 48 inches or 6 x 48 inches
  - 5. Auxiliary Materials:
    - a. Edge strips and thresholds and quarter rounds
    - b. Leveling compound.
    - c. Vinyl trim.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Comply with manufacturer's instructions and recommendations. Install in proper relation to adjacent work.
- B. Prepare surfaces by cleaning, leveling and priming as required. Test adhesive for bond before general installation. Level to 1/8' in 10' tolerance.
- C. Clean, polish, and protect.

END OF SECTION



SECTION 09680  
CARPET

PART 1 GENERAL

1.1 SUMMARY

- A. Provide sheet carpet and floor preparation.

1.2 SUBMITTALS

- A. Product Data: Submit manufacturer's product data and installation instructions for each material and product used.
- B. Samples: Submit two representative samples of each material specified indicating visual characteristics and finish. Include range samples if variation of finish is anticipated.
- C. Seaming Layout: Submit proposed seaming layout.
- D. Extra Stock: Submit extra stock equal to 2% of total used.

1.3 QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers, which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
- B. Performance: Fire performance meeting requirements of building code and local authorities.

PART 2 PRODUCTS

2.1 MATERIALS

- A. Carpet Material:
  - 1. Manufacturers: Shaw,
  - 2. Material: 1,400 SF at \$4./SF
  - 3. Installation Method: Tackless mounting with carpet cushion.
  - 4. Auxiliary Materials:
    - a. Edge guards.
    - b. Adhesives, cements and fasteners.
    - c. Leveling compound.
- B. Carpet Cushions:
  - 1. Manufacturers:  
Type: 3/8" 8 pound.
  - 2. Service: Heavy traffic.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Comply with recommendations of Carpet and Rug Institute 'Specifier's Handbook'.

- B. Prepare surfaces and install materials in accordance with manufacturer's instructions and approved submittals. Clean, patch, and level substrate. Install materials in proper relation with adjacent construction and with uniform appearance. Coordinate with work of other sections.
- C. Install edge guards and reducer strips as required; clean and protect.

END OF SECTION

SECTION 09910  
PAINTS

PART 1 GENERAL

1.1 SUMMARY

- A. Provide painting and surface preparation.

1.2 SUBMITTALS

- A. Product Data: Submit manufacturer's product data and installation instructions for each material and product used.
- B. Samples: Submit two representative samples of each material specified indicating visual characteristics and finish. Include range samples if variation of finish is anticipated.
  - 1. Include manufacturers full range of color and finish options if additional selection is required.

1.3 QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers, which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
- B. Regulations: Compliance with VOC and environmental regulations.

1.4 JOB CONDITIONS

- A. Apply water-base paints only when temperature of surfaces to be painted and surrounding air temperatures are between 50 degrees F and 90 degrees F, unless otherwise permitted by paint manufacturer's printed instructions.
- B. Apply solvent-thinned paints only when temperature of surfaces to be painted and surrounding air temperatures are between 45 degrees F and 95 degrees F, unless otherwise permitted by paint manufacturer's printed instructions.
- C. Do not apply paint in snow, rain, fog, or mist, or to damp or wet surfaces, unless otherwise permitted by paint manufacturer's printed instructions.

PART 2 PRODUCTS

2.1 MATERIALS

- A. Painting:
  - 1. Manufacturers: Benjamin Moore & Co. (United States); PPG Architectural Finishes, Inc. - PPG Paints; Rust-Oleum; Sherwin-Williams.
  - 2. Application: Interior unfinished surfaces.
  - 3. Application: Exterior unfinished surfaces.
  - 4. Application: Exposed mechanical and electrical items.
  - 5. Application: Repainting of existing surfaces.
  - 6. Primary Paint Systems: Primer plus two finish coats.

## PART 3 EXECUTION

### 3.1 INSTALLATION

- A. Inspect surfaces, report unsatisfactory conditions in writing; beginning work means acceptance of substrate.
- B. Comply with manufacturer's instructions and recommendations for preparation, priming and coating work. Coordinate with work of other sections.
- C. At existing areas to be repainted, remove blistered or peeling paint to sound substrates. Remove chalk deposits and mildew and wash all surfaces with mild detergent. Perform related minor preparation including caulk and glazing compounds. Spot prime bare areas before priming and painting as specified
- D. All materials shall be applied free from runs, sags, wrinkles, streaks, shiners, and brush marks.
- E. For painting of brick, check the existing paint on the brick to match the existing color and type of paint.

### 3.2 PAINT SCHEDULE

- A. Gypsum Board Walls:
  - 1. Gloss:
    - a. Flat
  - 2. System:
    - a. 1 coat latex primer
    - b. 2 coats latex finish
- B. Gypsum Board Ceilings in Worship areas, Bookstore, Janitor's closet, Office, & Stairways
  - 1. Gloss:
    - a. Flat
  - 2. Texture:
    - a. Stipple
  - 3. System:
    - a. 1 coat latex primer
    - b. 2 coats latex finish
- C. Plaster:
  - 1. Gloss:
    - a. Flat
  - 2. System:
    - a. 1 coat latex primer
    - b. 2 coats latex finish
- D. Wood for Painted Finish:
  - 1. Gloss:
    - a. Semi
  - 2. System:
    - a. 1 coat latex primer or sealer
    - b. 2 coats latex enamel

- E. Wood for Stain Finish:
  - 1. Gloss:
    - a. Satin
  - 2. System:
    - a. 1 coat oil base wood stain
    - b. 2 coats oil base varnish
  
- F. Exterior Wood for Painted Finish:
  - 1. Gloss:
    - a. Flat
  - 2. System:
    - a. 1 coat exterior primer
    - b. 2 coats latex enamel
  
- G. Concrete Masonry Units or Bricks:
  - 1. Gloss:
    - a. Flat
  - 2. System:
    - a. 1 coat latex block filler
    - b. 2 coats latex finish
  
- H. Concrete Walls:
  - 1. Gloss:
    - a. Flat
  - 2. System:
    - a. 1 coat latex primer
    - b. 2 coats latex finish
  
- I. Ferrous Metals:
  - 1. Gloss:
    - a. Flat
  - 2. System:
    - a. 1 coat rust-inhibiting primer
    - b. 1 coat alkyd enamel
    - c. 2 coats alkyd enamel
  
- J. Hollow Metal Frames and Doors:
  - 1. Gloss:
    - a. Semi
  - 2. System:
    - a. Touch up shop primer
    - b. 2 coats alkyd enamel

END OF SECTION

SECTION 10800  
TOILET ACCESSORIES

PART 1 GENERAL

1.1 SUMMARY

- A. Provide toilet accessories.

1.2 SUBMITTALS

- A. Product Data: Submit manufacturer's product data and installation instructions for each material and product used.
- B. Shop Drawings: Submit shop drawings indicating material characteristics, details of construction, connections, and relationship with adjacent construction.

1.3 QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers, which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.

PART 2 PRODUCTS

2.1 MATERIALS

- A. Toilet and Bath Accessories:
  - 1. Manufacturers: American Specialties, Inc.; Bobrick Washroom Equipment, Inc.; Bradley Corp.;
  - 2. Accessory: Paper towel dispensers.
  - 3. Accessory: Toilet tissue dispensers, double roll.
  - 4. Accessory: Grab bars.
  - 5. Accessory: Soap dispensers, wall mounted.
  - 6. Finish: Stainless steel.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Install materials and systems in accordance with manufacturer's instructions and approved submittals. Install materials and systems in proper relation with adjacent construction and with uniform appearance. Coordinate with work of other sections.
- B. Restore damaged finishes and test for proper operation. Clean and protect work from damage.

END OF SECTION