SECTION 00 01 10

TABLE OF CONTENTS

PROJECT MANUAL
INTRODUCTORY INFORMATION

CONTRACTING REQUIREMENTS

SPECIFICATIONS GROUP

DIVISION 01 – GENERAL REQUIREMENTS

DIVISION 02 – EXISTING CONDITIONS

DIVISION 03 – CONCRETE

DIVISION 04 – MASONRY

DIVISION 05 – METALS (Structural Specifications under separate cover.)

DIVISION 06 – WOOD, PLASTICS, AND COMPOSITES

DIVISION 07 – THERMAL AND MOISTURE PROTECTION

DIVISION 08 – OPENINGS

DIVISION 09 – FINISHES

DIVISION 27 – COMMUNICATIONS

Not used.

DIVISION 28 - ELECTRONIC SAFETY AND SECURITY

Not used.

DIVISION 31 – EARTHWORK

Not used.

DIVISION 32 – EXTERIOR IMPROVEMENTS

Not used.

DIVISION 33 –UTILITIES

Not used.

END OF SECTION

SECTION 07 13 00

SHEET WATERPROOFING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes: Provide self-adhesive sheet membrane waterproofing system, including sealing joints and protrusions through waterproofing, with protective board, drainage composite covering, and accessories for complete watertight installation.

B. Related Sections:

1. Section 07 16 00: Cementitious and reactive waterproofing at elevator pits.
2. Section 07 28 00: Weather barrier/underlayment including sheet membranes.

1.2 SUBMITTALS

A. Product Data: Submit manufacturer's literature for waterproofing system and protection board.

B. Shop Drawings: Indicate flashings, joints, sealing at openings, projections, and waterproofing of holes, slots and sleeves.

C. Certificates: Submit manufacturer's representative's certification work has been installed in accordance with manufacturer's recommendations.

1.3 QUALITY ASSURANCE

A. Qualification of Installers: Minimum five years successful experience in projects of similar scope.

1.4 SITE CONDITIONS

A. Do not apply waterproofing during inclement weather or when air temperature is below 40 degrees F, except where specifically authorized by manufacturer's representative for specific materials.

B. Do not apply waterproofing to damp, dirty, dusty, or otherwise unsuitable surfaces.

1. Allow concrete surfaces to cure minimum 28 days.

1.5 WARRANTY

A. Extended Correction Period: Provide for correcting failure of system to resist water penetration except where failure is result of structural failure of building. Repair system and pay for or replace damaged materials and surfaces.

1. Hairline cracking due to temperature or shrinkage is not considered structural failure.

2. Period: Two years.

B. Manufacturer’s Warranty: Submit manufacturer’s warranty including special manufacturer services as required for manufacturer’s warranty.

1. Period: 5 years.

2. Manufacturer's warranty shall not detract from requirements of extended correction period nor from Owner’s rights under implied and expressed warranties regardless of wording of manufacturer’s warranty.

PART 2 - PRODUCTS

2.1 SYSTEMS MANUFACTURERS

A. GCP Applied Technologies (Grace) / Bituthene 4000 Waterproofing System.

B. Carlisle Coatings and Waterproofing / CCW Miradri 860/861 or CCW 701

C. Polyguard Products, Inc./Polyguard No. 650

D. Meadows, W.R. Inc. / Mel-Rol

E. American Hydrotech, Inc. / VW 75

F. Substitutions: Refer to Section 01 25 00.

2.2 MATERIALS

A. System Description: Provide 60-Mil self-adhering sheet consisting of 56 mils of rubberized asphalt laminated to a 4-mil- thick, polyethylene film with release liner on adhesive side and formulated for application with primer or surface conditioner that complies with VOC limits of authorities having jurisdiction. System including sealing joints and protrusions through waterproofing, protective covering, and accessories.

B. Regulatory Requirements: Provide materials conforming to applicable air quality management district limitations on volatile organic compound (VOC) emissions.

C. Waterproofing System: System consisting of sheet membrane of rubberized asphalt and polyethylene film, total thickness approximately 60 mil, and fluid applied rubberized asphalt for sealing system.

1. Low Temperature Applications: Where temperatures are between 25 degrees F and 40 degrees F, use manufacturer's special membrane and primer for low temperature applications.

D. Primer: Manufacturer's recommended primer of applications involved; primer is required for waterproofing applications.

E. Crack and Expansion Joint Sealants: Types as recommended by waterproofing system manufacturer, compatible with waterproofing system.

F. Protective Covering:

1. Protection Board: Preformed asphalt impregnated board or similar protective cover recommended by waterproofing manufacturer.

a. Vertical Applications: Minimum 1/8" thick protective cover.
b. Horizontal Applications: Minimum 1/4" thick protective cover.

2. Drainage Composite: Formed plastic with filter fabric designed to allow penetration and drainage of water while retaining silts, soils, and similar particulate matter; type recommended by manufacturer for application.

a. Manufacturers:

1) Grace / Hydroduct 660 Drainage Composite.
2) Carlisle / CCW MiraDRAIN 8000.
3) Colbond, Inc. / Enkadrain 3611R.
4) Meadows, W. R., Inc.; Mel-Drain
5) Substitutions: Refer to Section 01 25 00.

PART 3 - EXECUTION

3.1 PREPARATION

A. Prepare surfaces in accordance with manufacturer's recommendations.

B. Ensure sleeves, curbs and projections which pass through waterproofing are properly and rigidly installed.

C. Ensure surfaces are free of cracks, depressions, waves and projections which may be detrimental to proper installation of waterproofing.

1. Repair surfaces as required by manufacturer's representative.

D. Seal cracks and expansion joints with recommended backup material and sealant; ensure proper depth-width ratio as recommended by sealant manufacturer.

E. Ensure expansion joints are sharply formed, free of broken edges and loose aggregates.

F. Clean surfaces of dust, dirt and foreign matter detrimental to proper installation of waterproofing.

G. Prime surfaces to receive waterproofing in accordance with manufacturer's recommendations.

3.2 INSTALLATION

A. Apply waterproofing in accordance with manufacturer's recommendations and installation instructions as required for watertight installation.

1. Seal joints and items projecting through waterproofing.

B. Seam Overlap: Minimum 2-1/2".

1. Stagger end laps.

C. Reinforce corners with double applications of waterproofing unless otherwise specifically recommended by manufacturer's representative.

D. Allow extra materials at joints with anticipated movement to permit movement without stressing waterproofing.

E. Roll waterproofing membrane smooth, firmly and completely to surfaces indicated, with no fish-mouths or bunches of material.

F. Inspect and repair waterproofing in accordance with manufacturer's instructions prior to application of protection board and backfill.

G. As soon as possible after installation and inspection apply protection boards and drainage composites in accordance with manufacturer's recommendations.

1. Neatly fit around pipes and penetrations.

3.3 FIELD QUALITY CONTROL

A. Site Flood Test: Test horizontal applications of waterproofing before completed membrane is covered by protection course or other work.

1. Test for leaks with 2" depth of water maintained for 24 hours; do not overload structure.

2. Repair leaks revealed by examination of substructure and repeat test until no leakage is observed.

B. Manufacturer’s Field Services: Manufacturer's representative shall inspect work of Project on regular basis and provide certification waterproofing has been installed in accordance with manufacturer's recommendations.

1. Provide unobstructed access to waterproofing work.

2. Correct defects and irregularities as advised by manufacturer's representative.

END OF SECTION

SECTION 07 46 40

FIBER CEMENT SIDING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes: Provide fiber reinforced cement siding with accessories for complete weathertight installation.

B. Related Sections:

1. Section 07 28 00: Weather barrier/underlayment.

1.2 SUBMITTALS

A. Product Data: Furnish manufacturer's literature.

B. Shop Drawings: Indicate fabrication details, connection details, pertinent dimensions, and erection support points.

1. Show precise locations of exposed fasteners, including drawings scaled to indicate exposed fastener patterns.

C. Samples: Submit sample of each type of panel with finish required.

1.3 QUALITY ASSURANCE

A. Sustainability Requirements: Comply with *CAL*Green requirements including those relative to finish material pollution control for paints and coatings.

B. Qualification of Installer: Firm with minimum five years successful experience installing architectural fiber cement building panels.

1.4 DELIVERY, STORAGE, AND HANDLING

A. Deliver and store in manufacturer's wrapping and crating.

1.5 WARRANTY

A. Extended Correction Period: Extend correction period to two years.

1. Repair or replace defective siding that fails through corrosion or finish damage because of manufacturing defects.

PART 2 - PRODUCTS

2.1 SYSTEMS MANUFACTURERS

A. James Hardie Building Products.

B. GAF Materials Corp./GAF-ELK WeatherSide.

C. Plycem USA, Inc./Allura.

D. Substitutions: Refer to Section 01 25 00.

2.2 MATERIALS

A. System Description Provide fiber cement siding with accessories.

B. Fiber Cement Panels: Provide systems as indicated on Drawings; not less than ASTM C1186, Type A with label listing an approved quality control agency per code.

1. Plank System: Match Hardie/Hardiplank, fiber-reinforced cement panels, with no asbestos content.

a. Thickness: Preformed 5/16" thick.

b. Finish: Smooth surface.

c. Size: 9-1/2" width (8-1/4" coverage), with planks available in up to 12'-0" lengths.

2. Panel System: Match Hardie/Hardipanel, fiber-reinforced cement panels, with no asbestos content.

a. Thickness: Preformed 5/16" thick.

b. Finish: Smooth surface.

c. Size: 4'-0" width by lengths appropriate for application, including 8', 9', and 10' lengths as required to minimize joints.

3. Panel Soffits and Trim: Match panel system as indicated and as required for complete installation.

4. Factory Prime Finish: Provide factory primed fiber cement panels using primer compatible with paints and coatings specified in Section 09 90 00 – Painting and Coating.

5. Shop Finish: Provide manufacturer’s premium quality shop painted finished materials.

a. Colors: Where color is not indicated on Drawings or Finish Schedule, provide custom color as directed by Architect.

6. Fasteners: Corrosion resistant non-magnetic stainless-steel siding nails; types as recommended by system manufacturer.

7. Exposed Fastener Heads: Types as approved by Architect.

C. Accessories: Provide as indicated, as recommended by panel manufacturer and as required for complete finished siding installation.

PART 3 - EXECUTION

3.1 PREPARATION

A. Install siding over surfaces which are dry, free of ridges, warps and voids.

B. Coordinate installation of siding with installation of items projecting through; ensure openings are properly sized and located prior to siding installation.

C. Underlayment: Take special care not to damage underlayment beyond that required to secure siding to structure.

3.2 INSTALLATION

A. Provide for installation procedures, temporary bracing and induced loads during erection; maintain temporary bracing in place until final support is provided.

1. Coordinate with building paper installation in Section 07 28 00; take special care not to damage building paper beyond required penetrations for fasteners.

B. Install siding in accordance with manufacturer recommendations and installation instructions, without damage to panel, panel shape or finish.

1. Carefully locate exposed fasteners to conform to Architectural Drawings and approved shop drawings; exposed fasteners to provide uniform pattern as approved.

C. Erect level, plumb, square, and true within allowable tolerances.

D. Align and maintain uniform horizontal and vertical joints, as erection progresses.

E. Securely fasten units in place.

F. Seal exposed fastener heads using materials matching mineral-fiber cement siding and strike flush to match adjacent surfaces.

G. Site Tolerances: Maintain following joint tolerances of erected mineral-fiber units:

1. Face Width of Joint: Maximum plus or minus 1/16" (total 1/8").
2. Jog in Alignment of Edges: Maximum 1/8".

3.3 CLEANING

A. Clean marks, debris, and dirt from exposed surfaces of mineral-fiber units using manufacturer recommended cleaning materials and procedures which do not stain nor damage panels or fasteners.

END OF SECTION

SECTION 08 80 00

GLAZING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Provide miscellaneous glass and glazing not provided elsewhere including accessories as required for complete installation.

a. Provide glazing for metal doors and frames.
b. Provide glazing for interior aluminum frames.
c. Provide glazing for metal railings.
d. Provide polycarbonate mirrors.

B. Related Sections:
1. Section 08 44 10: Glazed window wall assemblies glazing.
2. Section 08 51 10: Aluminum window glazing.
3. Section 08 83 00: Frameless mirrors.
4. Section 10 28 00: Metal framed mirrors.

1.2 REFERENCES

A. Glass Association of North America (GANA): Glazing Manual and Sealant Manual.

1.3 SUBMITTALS

A. Product Data: Furnish for each type of glass and exposed glazing material.

B. Samples: Furnish samples of exposed glazing accessories.

1.4 WARRANTY

A. Extended Correction Period: Extend correction period to two years for following.

1. Replacing laminated glass which exhibits signs of delaminating.

2. Replacing insulated glass which exhibits signs of moisture on sealed glass surfaces.

3. Replacing mirrors which exhibit signs of desilvering or signs of distortion.

PART 2 - PRODUCTS

2.1 MATERIALS

A. System Description: Section includes miscellaneous glass and glazing materials for items typically furnished without glazing and where glazing is not an integral part of the assembly.

B. Regulatory Requirements:

1. Safety Glass Standard: Comply with applicable codes, CPSC 16 CFR 1201, and pass ANSI Z97.1.

2. Fire Rated Glass: Provide glass identical to glass tested per ASTM E163, labeled and listed by UL or other testing and inspection agency acceptable to applicable authorities.

C. Float Glass: Select glazing quality, clear annealed glass, ASTM C1036; nominal thickness 1/4".

1. Manufacturers:

a. Vitro Architectural Glass (formerly PPG).
b. Oldcastle Glazing.
c. Guardian Industries Corp.
d. Substitutions: Refer to Section 01 25 00.

2. Locations: Provide where indicated as clear glass.

D. Tempered Glass: Select glazing quality, clear float glass, fully tempered, ASTM C1048, Kind FT; nominal thickness 1/4"; safety glass.

1. Manufacturers:

a. Vitro Architectural Glass (formerly PPG).
b. Oldcastle Glazing.
c. Guardian Industries Corp.
d. Substitutions: Refer to Section 01 25 00.

2. Locations: Provide at doors and at window openings where required by applicable codes and federal requirements.

E. Laminated Glass: ASTM C1172, Kind LA, two sheets of select glazing quality clear float glass laminated with polyvinyl butyral film, safety glass; laminated layers shall be free of air pockets and foreign substances.

1. Manufacturers:

a. Vitro Architectural Glass (formerly PPG).
b. Oldcastle Glazing.
c. Guardian Industries Corp.
d. Global Security Glazing.

e. Pulp Studio, Inc.
f. Substitutions: Refer to Section 01 25 00.

2. Glass Thickness: 1/4", unless otherwise indicated.

3. Polyvinyl Butyral Core Thickness: Minimum 30 mil.

4. Location: Provide where indicated.

F. Insulated Glass: Preassembled units consisting of organically sealed panes of glass enclosing a hermetically sealed dehydrated air space with minus 20-degree F dew point.

1. Manufacturers:

a. Vitro Architectural Glass (formerly PPG).
b. Oldcastle Glazing.
c. Guardian Industries Corp. **Basis of Design**
d. Viracon.
e. Substitutions: Refer to Section 01 25 00.

2. Performance: Certified to ASTM E2190 by Insulating Glass Certification Council.

3. System: Manufacturer's standard dual seal system compatible with glazing system, and including spacers, desiccant, and standard corner construction.

4. Glass: ASTM C1036, select glazing quality clear float glass; nominal 1/4” thick glass.

a. Basis of Design IGU: Guardian Glass SunGuard SNX 62/27 on Green

5. Safety Glass: ASTM C1048, Kind FT, fully tempered select glazing quality clear float glass; nominal 1/4” thick glass; provide at doors and impact areas where safety glass is required by applicable codes and regulations.

6. Total Unit Thickness: 1".

7. Locations: Provide at exterior windows and doors unless otherwise indicated.

1. Glazing Materials: Type approved for use in applications indicated for required fire ratings; refer to fire label requirements.

2. Location: Provide at skylights and fire rated not requiring impact resistance.

G. Polycarbonate Mirror:

1. Manufacturers:

a. Bunker Plastics, Inc.
b. Substitutions: Refer to Section 01 25 00.

2. Glazing Materials: Types as recommended by one-way mirror manufacturer.

H. Spacer Shims: Silicone compatible, 50 durometer hardness; 3" long by 3/32" thick by 1/4" high.

I. Setting Blocks: 70-90 durometer hardness; 4” long by 3/8” thick by 1/4” high standard setting blocks.

J. Glazing Sealant: ASTM C920, Type S, Grade NS, elastomeric one-component silicone glazing sealants as recommended by sealant manufacturer for application involved.

1. Manufacturers:

a. Dow Corning Corp.
b. General Electric Co.
c. Pecora Corp.
d. Substitutions: Refer to Section 01 25 00.

2. Structural and Butt Glazing: Provide high-modulus structural silicone glazing materials recommended by sealant manufacturer for applications where sealant bonds glass to metal system and where sealant bonds glass to glass.

3. Color: As selected by Architect from manufacturer's full range of available colors.

K. Glazing Putty: Linseed oil putty, ASTM C570, Type II; oil and resin base caulking compound for building construction; knife grade.1.

1. Manufacturers:

a. DAP, Inc.
b. Substitutions: Refer to Section 01 25 00.

PART 3 - EXECUTION

3.1 PREPARATION

A. Clean glazing channels and framing members to receive glass immediately before glazing; remove coatings not firmly bonded to substrate.

B. Apply primer to joint surfaces where recommended by sealant manufacturer.

3.2 INSTALLATION

A. Comply with GANA Glazing Manual and Sealant Manual and glazing manufacturer recommendations and installation instructions.

1. Do not allow glass to touch metal surfaces.

2. Comply with applicable code requirements and NFPA 80 for glass in fire rated openings.

B. Place setting blocks at quarter points in thin course of sealant.

C. Install removable stops with glass centered in space with spacer shims at 2'-0" intervals on both sides of glass, 1/4" below sightline.

D. Sealant Glazing: Fill gap between glass and stops with sealant to depth equal to bite of frame on glass but not more than 3/8" below sightline.

1. Apply sealant to uniform and level line, flush with sightline; tool or wipe sealant surface for smooth appearance; at exterior locations tool sealant so water is carried away from glass.

3.3 CLEANING

A. At areas subject to potential impact mark glass after installation by crossed streamers attached to framing and held away from glass; do not apply markers to surface of glass.

B. Remove nonpermanent labels immediately after sealant cures; cure sealants for high early strength and durability.

C. Remove and replace glass which is broken, chipped, cracked, abraded or damaged during construction period, including natural causes, accidents and vandalism.

END OF SECTION

SECTION 10 22 20

OPERABLE PARTITIONS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes: Provide manually operated, top supported, operable partitions with retractable seals, including hardware and accessories as required for complete, operable system.

1. Acoustical Closure: Review Contract Documents to ensure acoustical closure of adjacent construction matches operable partition acoustical performance to prevent flanking sound around partition into adjacent spaces.

a. Provide additional construction as required to ensure acoustical closure.

2. Support System: Provide structural steel support system connected to building structure at points approved by Architect.

1.2 ADMINISTRATIVE REQUIREMENTS

A. Design/Build Requirements: Provide services of registered structural engineer licensed in California with experience designing structural support systems for operable partitions.

1. Distribute loads to locations on building structure capable of supporting system without detrimental effects.

B. Pre-Installation Meeting: Convene not less than one week prior to commencing work of this Section. Require attendance of those directly affecting work of this Section.

1. Review installation procedures and coordination required with related work.

1.3 SUBMITTALS

A. Product Data: Furnish materials description, operation and maintenance instructions.

B. Shop Drawings: Show partition and track layout, details of head, jamb and sill conditions, stacking arrangement, hardware and operating mechanism.

1. Indicate details of acoustical barrier over partitions system.

2. Provide template drawings for items supported or anchored by permanent construction.

3. Indicate details of pass doors.

C. Samples: Furnish samples of panel finish and edge construction.

D. Test Reports: Furnish copies of certificates by independent testing laboratories for following:

1. STC rating.
2. Flame spread classification.
1. Fire resistance ratings.
2. Field STC Tests: Furnish previous project test reports.

E. Certificates:

1. Manufacturer Certification: Furnish manufacturer's certification indicating system complies with Contract Documents.

2. Installer Acceptance: Furnish letter from manufacturer indicating acceptance of installer for this Project.

3. Design/Build Engineer Certification: Furnish certification from California registered engineer indicating structural support system complies with Contract Documents and applicable codes.

1.4 QUALITY ASSURANCE

A. Qualification of Installers: Minimum five years successful experience in installing operable partitions and accessories on comparable projects.

1. Acceptable to manufacturer of operable partition.

1.5 WARRANTY

A. Extended Correction Period: Provide for correcting failure of operable partition system from proper operation, including acoustical characteristics.

1. Special Warranty Period: Two years.

B. Manufacturer's Warranty: Submit manufacturer's warranty including special manufacturer services as required for manufacturer's warranty.

1. Period: Not less than 10 years.

2. Manufacturer's warranty shall not detract from requirements of extended correction period nor from Owner's rights under implied and expressed warranties regardless of wording of manufacturer's warranty.

PART 2 - PRODUCTS

2.1 SYSTEMS MANUFACTURERS

A. Modernfold, a DORMA Group Company.

B. Hufcor, Inc.

C. Substitutions: Refer to Section 01 25 00.

2.2 MATERIALS

A. System Description: Provide electrically operated operable partitions with retractable seals and including hardware and accessories.

1. Partition Type: Top-supported, side-stacking, electrically operated, with flush panels; manufacturer's STC 50 as required to achieve required field performance requirements.

a. Basis of Design: **Hufcor 643E**

2. Acoustical Closure: Provide acoustical closure of adjacent construction as required to match operable partition acoustical performance and as required to prevent flanking sound around partition into adjacent spaces.

3. Structural Support: Provide structural support for operable partitions.

B. Design Requirements: Support system to be designed by registered professional structural engineer licensed in California.

1. Distribute loads to locations on building structure capable of supporting system without detrimental effects.

C. Fire Performance Requirements: Provide products listed by Underwriters Laboratories (UL), or similar independent laboratory acceptable to applicable authorities.

1. Flame Spread/Smoke Generation: Provide products meeting code requirements for maximum 25 flame-spread and 450 smoke developed; Class A, ASTM E84.

D. Field Acoustical Performance Requirements: Provide minimum three field sound transmission rating tests on previous projects of similar size and scope indicating system to be provided has minimum FSTC of NIC 40.

1. Ratings: Determined in accordance with ASTM E413; tests by Architect approved independent testing laboratory.

2. Field Sound Transmission Rating: Minimum FSTC of NIC 40 when tested in accordance with ASTM E336, using reverberant-field procedure and full octave bands rather than one-third octave bands.

E. Partition Type: Top-supported, side-stacking, manually operated, with flush panels.

1. Panel Configuration: Paired panels.

F. Panel Construction: Factory assembled, consisting of minimum 16 gage welded steel channel perimeter frame with intermediate stiles, high density sound retardant insulation.

1. Panel Thickness: Nominal 3" to 4" thick; review Drawings for space provided for panel storage; provide panel system suitable of allowable space.

a. Notify Architect during bidding if Project design requires potential modification for system to comply with Contract Document.

b. Failure to notify Architect during bidding signifies acceptance of conditions indicated.

2. Panel Skins: Minimum 24-gage steel with rust inhibitive prime coat of paint.

3. Panel Support Bolts: Minimum 1/2" diameter; of fail-safe design that prevents loosening or backing out after panels have been installed.

4. Panel Materials: Incombustible, moisture resistant, and dimensionally stable.

5. Construction: All steel construction.

G. Track System: Overhead track designed for extra heavy duty; secured to structural support system by adjustable bolts.

1. Panel Supports: Ball bearing trolley assembly, capable of universal movement, turning on a central bearing and shall not require radius turns or switching mechanisms.

H. Deflection Compensation: Design system to accommodate specified long-term dead load deflection of up to 1/2" at any point in span while maintaining operational and acoustical qualities.

I. Seals: Provide system with single mechanism to activate floor seals; seals shall not contact floor or track during movement of panels.

1. Floor Seals: Durometer rating compatible with floor surfaces.

2. Vertical Seals: Manufacturer's standard as required to achieve acoustical performance specified.

3. Seal Materials: Resistant to fatigue and cleaning compounds and shall not mar floor or ceiling finishes.

4. Floor Guide and Floor Attachments: Not permitted.

J. Fixed and Operable Closure Jambs: Acoustical type designed to maintain acoustical seal at perimeter walls and junctions of operable partition; security affix to building walls.

1. Jamb Seals: Manufacturer's standard acoustic seals at head and side jambs.

2. Floor Seals: Provide flexible compression type; design cam-action of hinges and manual closing of door to compress floor seal and maintain acoustical performance of partition.

a. Raised Sills and Automatic Threshold Closures: Not permitted.

3. Factory Assembly: Factory assemble complete door unit and adjust with hardware and seals prior to shipment.

K. System Supports and Anchors: ASTM A36 steel shapes as required to attach operable partitions to building structural system.

1. Provide bracing at track intersections to resist panel impacts.

L. Finish: Panel and door finish shall be heavy duty vinyl fabric.

1. Apply finish to panels in shop. Return into vertical panel seams and mechanically fasten with removable astragal at panel edge.

2. Colors: Where color is not indicated on Drawings or Finish Schedule, provide standard range of products for architect approval.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine floor and overhead construction for conformance with tolerances; verify dimensions of in place and subsequent construction.

B. Installation of partition shall constitute acceptance of existing conditions.

3.2 INSTALLATION

A. Install operable partition system in accordance with manufacturer's recommendations and installation instructions as required to assure compliance with sound transmission test requirements.

1. Comply with ANSI E557, Standard Recommended Practice for Architectural Application and Installation of Operable Partitions.

2. Lubricate bearings and sliding parts; adjust to ensure smooth, easy operation.

3. Match operable partitions for color and pattern by using partition sections from cartons in same sequence as manufactured and packaged.

4. Broken, cracked, chipped, damaged, and deformed partitions are not acceptable.

B. Upon completion of installation, test operation of partition in presence of Architect.

C. Instruct Owner's personnel in operation and maintenance of partition.

3.3 FIELD QUALITY CONTROL

A. Site Acoustical Tests: Determine field sound transmission class values in accordance with ASTM E336; tests by Architect approved independent testing laboratory.

1. Field Sound Transmission Rating: Minimum FSTC of NIC 40 when tested in accordance with ASTM E336, using reverberant-field procedure and full octave bands rather than one-third octave bands.

2. Failed Tests: Make corrections and re-test.

3.4 CLEANING

A. Clean operable partition surfaces and adjacent surfaces soiled by operable partition work; avoid use of abrasive cleaners and solutions containing corrosive solvents.

1. Remove and replace panels and adjacent construction damaged by installation or cleaning operations.

END OF SECTION

SECTION 10 26 10

STAINLESS STEEL CORNER GUARDS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes: Provide surface mounted stainless-steel corner guards, including mounting adhesive and accessories as required for complete finished installation.

1.2 SUBMITTALS

A. Product Data: Furnish manufacturer's product literature.

B. Samples: Furnish samples of finish.

PART 2 - PRODUCTS

2.1 SYSTEMS MANUFACTURERS

A. Babcock-Davis, Inc.

B. In-Pro Corporation.

C. Substitutions: Refer to Section 01 25 00.

2.2 MATERIALS

A. System Description: Provide surface mounted stainless-steel corner guards, including mounting adhesive and accessories.

B. Corner Guard: ASTM A666, Type 304 stainless steel with satin finish; not less than 18-gage.

1. Size: 3-1/2" by 3-1/2" by 48" high unless otherwise indicated.

C. Attachment: Manufacturer's recommended adhesive for type of wall.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Install stainless-steel corner guards in accordance with manufacturer's recommendations and installation instructions, straight and true to line.

B. Allow for 10 corner guards. Contractor to coordinate locations with client prior to occupancy.

END OF SECTION

SECTION 11 10 00

MISCELLANEOUS EQUIPMENT

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes: Provide miscellaneous equipment with hardware and accessories as required for complete secure and operational installation as applicable.

1. Provide and install (3) microwaves.
2. Provide and install (2) refrigerators. Fridge shall be side by side or freezer on bottom type.
3. Provide and install (2) garbage disposals.
4. Provide and install monitor systems per client direction.
5. Provide and install (1) residential grade dishwasher.
6. Provide and install (1) ice maker.
7. Provide and install (1) dual coffee maker with hot water tap.
8. Provide and install (1) 36” range.
9. Provide and install (1) 42” range hood.
10. Provide and install (3) 48” wide 2-tier stainless steel, mobile, wire shelving units.
11. Provide and install (1) 24” stand up freezer.
12. Provide and install (1) 36” stand up refrigerator.

B. Related Sections:
1. Division 26: Electrical service.

1.2 SUBMITTALS

A. Product Data: Furnish manufacturer's literature.

B. Shop Drawings: Show complete details of equipment including dimensions and field measurements.

1.3 DELIVERY, STORAGE AND HANDLING

A. Deliver inserts and rough-in frames to jobsite at appropriate time for building in.

B. Do not deliver miscellaneous equipment to site until spaces in which they are to be installed are ready to receive them.

C. Pack miscellaneous equipment individually, protect each item and its finish.

1.4 SITE CONDITIONS

A. Protect adjacent or adjoining finished surfaces from damage during installation of work of this section.

B. Before starting work notify Architect in writing of conditions detrimental to installation or operation of units.

C. Verify with Architect exact location of miscellaneous equipment.

1.5 WARRANTY

D. Extended Correction Period: Repair or replace miscellaneous equipment which does not function as intended.

1. Period: Two years.

PART 2 - PRODUCTS

2.1 MATERIALS

A. System Description: Provide miscellaneous equipment with hardware and accessories as applicable.

B. Regulatory Requirements - Access for Persons with Disabilities: Comply with California Building Standards Code and Americans with Disabilities Act (ADA) Standards.

C. General: Provide standard materials and finishes for miscellaneous equipment listed; where more than one material or finish is available and not otherwise indicated provide as selected by Architect from manufacturer’s standard materials and finishes.

D. Attachments and Accessories: Provide for complete secure operational installation.

E. Microwave: Energy Star rated, General Electric, allow $300 each

F. Refrigerator: Energy Star rated, Kitchen Aid, allow $2,400 each

G. Garbage disposal: Energy Star rated, InSinkErator, allow $200 each

H. TV/monitor system: As stated in the bid addendum

I. Dishwasher: Energy star rated, Kitchen Aid, allow $1,700

J. Ice maker: Energy star rated, Manitowoc, allow $5,500

K. Coffee maker: Bunn BrewWIST Dual GPR DBC, allow $3,500

L. Range: Energy star rated, Kitchen Aid, allow $6,000

M. Range hood: Energy star rated, Kitchen Aid, allow $2,500

N. SS wire shelving: allow $200 each

O. 24” freezer: Energy star rated, True, allow $5,000

P. 36” refrigerator: Energy star rated, True, allow $4,500

PART 3 - EXECUTION

3.1 INSTALLATION

A. Install miscellaneous equipment in accordance with manufacturer's recommendations and installation instructions, level, true to line, and in correct relation to adjacent materials and finishes.

B. Coordinate electrical connections with Division 26.

C. Upon completion of installation, instruct Owner's personnel in operation and maintenance of electrical miscellaneous equipment.

END OF SECTION