

SECTION 07 21 00 - THERMAL INSULATION

PART 1 - GENERAL

- 1.1 SUMMARY
A. Section Includes: Provide insulation and accessories as required for complete installation.
B. Related Sections:
1. Section 07 01 80: Applied fireproofing patching.
2. Section 07 53 00: Insulation integral with low slope membrane roofing.
3. Section 07 84 00: Firestopping.
4. Section 09 21 00: Acoustical insulation concealed in gypsum board systems.
1.2 SUBMITTALS
A. Product Data: Furnish manufacturer's literature for each type of insulation.
B. Approval Numbers: Submit Underwriter's Laboratory approval numbers for required fire ratings; approvals of other laboratories contingent upon acceptance of applicable authorities.

PART 2 - PRODUCTS

- 2.1 MATERIALS
A. System Description: Provide thermal insulation with accessories.
B. Thermal Batt Insulation: Preformed slag mineral or glass fiber with thermosetting resin binders, conforming to ASTM C665; formaldehyde-free.
1. Manufacturers: Johns Manville/FSK-25 Thermal-Shield Insulation; Owens-Corning Fiberglas Corp./Fiberglas FS-25 Insulation; CertainTeed/Thermalfiber FS25 Insulation.
1.R-Value: Minimum R-19 (nominal 6-1/2" thick) unless otherwise indicated.
2. Flame Spread/Smoke Density Rating: Maximum 25/450, ASTM E84.
3. Vapor Retarder: Type III, aluminum vapor retarder on one side.
C. Polystyrene Insulation: ASTM C578, extruded polystyrene insulation with skin surface; square edges; "K" factor of 0.20.
1. Manufacturers: Dow Chemical Company/Styrofoam RM, Pacvic Building Products/GreenGuard Insulation Board, Owens Corning/Foamular.
2. Thickness: 1" thick unless otherwise indicated.
D. Accessories: Furnish as recommended by insulation manufacturer for insulation types, substrates, and conditions involved.
1. Fasteners and Attachment Devices: Comply with insulation and roofing material manufacturer recommendations for attachment of insulation to deck.
2. Fasteners to withstand loads specified for system.
3. Vapor Retarder Tape: Minimum 2" wide self-adhering type designed to maintain vapor retarder integrity and complying with fire resistance ratings as required by applicable codes.
4. Penetration Type Insulation Supports: Galvanized or electroplated steel penetration supports with adhesive attachment to substrate and support disc.

PART 3 - EXECUTION

- 3.1 EXAMINATION
A. Verify substrate and adjacent materials are dry and ready to receive insulation, beginning installation signifies acceptance of conditions.
B. Ensure mechanical and electrical items affecting work are properly placed, complete, and have been inspected by Architect prior to commencement of installation.
3.2 INSTALLATION
A. Install insulation in accordance with manufacturer's instructions.
1. Install insulation with integral vapor retarder with vapor retarder toward inside of building.
B. Cut and trim insulation neatly, to fit spaces.
1. Backed Insulation: Use insulation free of ripped backs and edges.
2. Insulation tight within spaces and tight to and behind mechanical and electrical services within insulation plane; leave no gaps or voids; maintain integrity of thermal barrier.
D. Friction fit batt insulation in place; use tape or penetration supports as necessary to assure permanent installation.
1. Taping: Tape joints and tears in integral vapor retarder, including joints between insulation and surrounding construction, to ensure vapor-tight installation.
2. Penetration Supports: Cut or bend pins in locations accessible to maintenance personnel, to eliminate potential hazards from exposed pin points.

END OF SECTION

SECTION 07 24 00 - EXTERIOR INSULATION AND FINISH SYSTEM

PART 1 - GENERAL

- 1.1 SUMMARY
A. Section Includes: Provide drainable high-performance exterior insulation and finish system consisting of polystyrene insulation and synthetic plaster finish with sheathing, anchorages, related flashings, and accessories.
1. Rainscreen System: System is designed using rainscreen concept where primary water barrier is just before sheathing and exterior components are designed to allow water within system to drain back to exterior.
B. Cold-formed metal framing is specified in Section 05 40 00 - Cold-Formed Metal Framing.
1.2 ADMINISTRATIVE REQUIREMENTS
A. Delegated Design Services: Provide special engineering to ensure compliance with applicable codes and Contract Documents.
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. Review installation procedures and coordination required with related work.
1.3 SUBMITTALS
A. Product Data: Submit literature for system and each manufacturer component.
B. Shop Drawings: Clearly indicate dimensioning, panel layout, general construction details, anchorages and method of anchorage, locations of cold joints for Architect approval.
C. Samples: Submit samples of panel color and texture of finish including samples of color of joint sealer.
D. Contact Documents: Submit system manufacturer's certification noting Contract Documents have been thoroughly reviewed and conditions and substrates are acceptable and in conformance with applicable codes.
1. Form Architect where conditions and substrates vary from manufacturer's standard recommendations.
E. Installation Certification: Submit manufacturer's representative's certification work has been installed in accordance with manufacturer's recommendations.
F. Joint Sealer Applicator: Submit joint sealer manufacturer certification applicator is trained and is acceptable for Project joint sealer installation.

- G. Delegated Design Certificates: Submit certification signed by licensed structural engineer licensed at Project location indicating compliance with Contract Documents and code requirements.
1. Calculations: Provide to enforcing agency where requested.
1.4 QUALITY ASSURANCE
A. Qualification of Installer: Minimum five years successful experience in projects of similar scope, trained by system manufacturer with current certificate of training from manufacturer.
1. Sealant Installer Qualifications: Trained applicator of joint sealer manufacturer with minimum five years successful experience with high performance commercial joint sealers and acceptable to sealant manufacturer.
B. Mock-Up: Provide 100 sf EIFS indicating proposed construction including reveals, corners, special shapes, and joint treatment. Approved mock-up may be incorporated into Project.
1.5 DELIVERY, STORAGE, AND HANDLING
A. Store adhesive and finish coating material under cover in cool, dry place, out of sun and above 40 degrees F.
B. Keep reinforcing fabric covered and dry.
C. Store insulation and sheathing board flat; protect insulation from sunlight.
D. Label finish material by color and batch number for color consistency.
1.6 WARRANTY
A. Extended Correction Period: Provide for correcting failure of system to resist damage from anticipated sources including damage from wind and water penetration for not less than two years. Repair system and pay for or replace damaged materials and surfaces.
B. Manufacturer Warranty: Provide manufacturer's standard 10 year limited warranty for system and components and 6 year limited warranty for fade resistance for use of high performance colorants.
1. 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. Dryvit System, Inc.; substitutions not permitted.
2.2 MATERIALS
A. System Description: Provide exterior insulation and finish system consisting of polystyrene insulation and synthetic plaster finish with sheathing, anchorages, related flashings, and accessories for complete system.
B. Regulatory Requirements: System to comply with applicable codes and regulations.
1. Provide EIFS systems approved by applicable enforcement agencies; where required by agencies, provide information and supporting data necessary for approval of non-standard installations.
C. Design Criteria: Design system to withstand anticipated wind loads. Comply with applicable code requirements for use and thickness of plastic insulation used in system.
D. Performance Requirements:
1. Tensile Strength of Adhesive: Insulation to sheathing shall be minimum 1200 psi when tested in accordance with ASTM C297.
2. Impact Resistance: EIMA 101.86, indentation maximum 8.5 mm, no cracking.
3. Water Vapor Transmission: ASTM E96; insulation transmission of 1.2 to 2.0 perm-inch, finish transmission of 9.75 perm.
4. Water and Air Leakage: System shall be free of leakage of both air and water; comply with ASTM E283 and E331.
5. Deflection: Provide for maximum L/240.
E. Exterior Finish Assembly System: Composite of sheathing, insulation board and two-coat synthetic plaster finish with glass fiber reinforcing.
1. System: Drawings are based on Dryvit/Outsulation Plus System.
2. Drainable or Rain Screen System: Provide manufacturer's premium grade system with pressure equalized rainscreen capabilities allowing for moisture control and drainage, and resistant to mold, mildew, and biological growth.
F. Sheathing: Silicone treated, glass mat gypsum sheathing, ASTM C1177, Type X, 5/8" thick unless otherwise indicated; Georgia Pacific/DensGlass Gold, substitutions not permitted.
1. Sheathing Fasteners: Minimum 300 series stainless steel, end-cap, and washers in materials that may be noticeable in cured finished application.
2. A uniform finish of cold joints is required.
J. Curing in accordance with system manufacturer's instructions.
K. Joint Sealers: Apply in accordance with requirements of sealant manufacturer's instructions, and in accordance with requirements specified in Section 07 90 00 - Joint Sealants.
1. Provide sealant for joints within system and at perimeters of system. Site Tolerances:
Installed Joints: Maximum plus 1/64" variance per foot; maximum plus 3/16" variance per 12'-0", noncumulative; maximum joint width 5/16" or 3/16" less than width shown on Drawings, whichever is greater.
2. Maximum Variation in Plane: Plus or minus 1/8".
3. Maximum Jog in Joint Alignment: 1/8".
4. Maximum Step in Face: 1/8".
5. Linear Tolerances are noncumulative.

END OF SECTION

SECTION 07 28 00 - BUILDING ENVELOPE UNDERLAYMENT

PART 1 - GENERAL

- 1.1 SUMMARY
A. Section Includes: Provide complete building envelope underlayment and water barrier systems including for flashing and sheet metal, and penetration underlayment, with accessories as required for complete watertight installation.
1. Exterior Wall Systems Underlayment: Provide vapor permeable self-adhering sheet membrane underlayment and vapor permeable fluid applied membrane underlayment at exterior walls, with accessories as required for complete watertight installation.
2. Flashings and Sheet Metal Underlayment: Provide self-adhering sheet membrane underlayment at flashings and sheet metal, with accessories as required for complete watertight installation.

- 2.3 MIXES
A. Adhesive: Comply with system manufacturer recommendations for proportions and mixing of materials for adhesive for bonding insulation to substrates indicated on Drawings.
B. Mix base and finish coat materials in accordance with system manufacturer recommendations and instructions; do not add materials or admixtures unless specifically approved by system manufacturer.
1. Keep containers closed when not in use.

PART 3 - EXECUTION

- 3.1 EXAMINATION
A. Examine substrate and verify work is complete and suitable for installation of exterior finish assemblies.
3.2 PREPARATION
A. Do not proceed unless substrates are acceptable to manufacturer's representative and substrates are suitable to maintain tolerances specified for finished installation.
3.3 INSTALLATION
A. General: Install exterior insulation and finish system in accordance with manufacturer's instructions and recommendations, and as required to comply with specified design requirements.
1. Protect system from water during installation and until sealant is installed.
B. Expansion Joints: Provide continuous expansion joints at following locations.
1. Where expansion joints occur in substrate beneath system.
2. Where building expansion joints occur.
3. Where substrate type changes.
4. Where significant structural movement can be anticipated such as changes in roof line, long continuous elevations, and changes in building shape and structural system.
5. At each floor where inter-story movement is anticipated. Consult with Project Structural Engineer to establish potential of inter-story movement.
C. Sheathing: Screw apply gypsum sheathing to metal framing in accordance with ASTM C840, sheathing manufacturer's recommendations, and system manufacturer instructions and recommendations. Comply with required fire ratings.
D. Insulation: Provide as required to ensure rainscreen type installation. Cut insulation to shapes as required for finished shapes indicated on Drawings. Apply to vertical surfaces starting from base using either permanent or temporary support.
1. Stagger boards at corners to provide lock bond.
2. Precut insulation to fit snugly around openings and penetrations. Rasp irregularities over 1/16" flush.
3. Butt joints tight, apply pressure over entire surface of insulation to provide uniform contact.
4. Install corner beads, capping beads and accessories indicated on Drawings or recommended by manufacturer.
5. Corners and Edges: Straight and undamaged, remove damaged areas (minimum of 1 sf insulation) and replace with undamaged material.
E. Maintain surface flatness with maximum variations of 1/8" in 10 feet.
F. Base Coat and Reinforcing:
1. Apply base coat to uniform thickness of approximately 1/16" and immediately embed reinforcing into coating.
2. Reinforcing shall be continuous around corners and lapped not less than 2-1/2" at edges.
3. Embed reinforcing flat without wrinkles, puckers, or fishmouths.
4. Provide special reinforcing and base coat at corners to obtain maximum impact resistance.
5. Apply special impact resistant reinforcing at areas requiring special protection.
G. Finish: Provide uniform surface in manner to achieve finish as approved by Architect and matching approved samples.
H. Cold-Joints: Apply finish coat continuous application to avoid cold-joint applications other than as approved by Architect.
1. Cold-joints include joint which result from scaffolds, breaks, end-cap, and washers in materials that may be noticeable in cured finished application.
2. A uniform finish of cold joints is required.
I. Reveal: Maintain straight vertical reveal line.
J. Curing in accordance with system manufacturer's instructions.
K. Joint Sealers: Apply in accordance with requirements of sealant manufacturer's instructions, and in accordance with requirements specified in Section 07 90 00 - Joint Sealants.
1. Provide sealant for joints within system and at perimeters of system. Site Tolerances:
Installed Joints: Maximum plus 1/64" variance per foot; maximum plus 3/16" variance per 12'-0", noncumulative; maximum joint width 5/16" or 3/16" less than width shown on Drawings, whichever is greater.
2. Maximum Variation in Plane: Plus or minus 1/8".
3. Maximum Jog in Joint Alignment: 1/8".
4. Maximum Step in Face: 1/8".
5. Linear Tolerances are noncumulative.

- 3.1 EXAMINATION
A. Verify substrate and adjacent materials are dry and ready to receive insulation, beginning installation signifies acceptance of conditions.
B. Ensure mechanical and electrical items affecting work are properly placed, complete, and have been inspected by Architect prior to commencement of installation.
3.2 INSTALLATION
A. Install insulation in accordance with manufacturer's instructions.
1. Install insulation with integral vapor retarder with vapor retarder toward inside of building.
B. Cut and trim insulation neatly, to fit spaces.
1. Backed Insulation: Use insulation free of ripped backs and edges.
2. Insulation tight within spaces and tight to and behind mechanical and electrical services within insulation plane; leave no gaps or voids; maintain integrity of thermal barrier.
D. Friction fit batt insulation in place; use tape or penetration supports as necessary to assure permanent installation.
1. Taping: Tape joints and tears in integral vapor retarder, including joints between insulation and surrounding construction, to ensure vapor-tight installation.
2. Penetration Supports: Cut or bend pins in locations accessible to maintenance personnel, to eliminate potential hazards from exposed pin points.

- 3. Self-Adhering Sheet Membrane (SASM) Flashing at Penetrations: Provide SASM flashing for around penetrations through underlayment, with accessories as required for complete watertight installation.
1.2 ADMINISTRATIVE REQUIREMENTS
A. Pre-Installation Meeting: Convene one week prior to commencing work; require attendance of parties directly affecting underlayment. Review procedures and coordination required with related work.
1.3 SUBMITTALS
A. Product Data: Furnish manufacturer's literature for each type of underlayment.
B. Samples: Furnish samples of each material.
1.4 WARRANTY
A. Extended Correction Period: Provide for correcting failure of system to resist damage from anticipated sources including damage from water penetration. Repair system and pay for or replace damaged materials and surfaces.
1. Period: Two years.

PART 2 - PRODUCTS

- 2.1 MATERIALS
A. System Description: Provide complete building envelope underlayment air and water barrier systems including for flashing and sheet metal, and penetration underlayment with accessories.
B. Wall Underlay: Provide vapor permeable self-adhering sheet membrane underlayment and vapor permeable fluid applied air and water barrier underlayment system for complete watertight installation as recommended by manufacturer for substrates and applications indicated.
1. Manufacturers: Grace Construction Products/Perm-A-Barrier VPS Self-Adhering Sheet; Grace Construction Products/Perm-A-Barrier VPO Fluid Applied; Henry Company/Blueskin SA and SA HT Air and Weather Barrier; Henry Company/Air-Bloc VP.
C. Sheet Metal and Flashing Underlayment: Self-adhering rubberized sheet membrane with primers and seam sealers as required for complete watertight installation; type as recommended by manufacturer for substrate and for applications indicated.
1. Manufacturers: Grace Construction Products; Henry Company.
2. Provide specific membrane types as recommended by system manufacturers for each type of application.
D. Self-Adhering Sheet Membrane (SASM) Flashing at Penetrations: SASM with primers and seam sealers as required for complete watertight installation; type as recommended by manufacturer for substrate and for applications indicated.
1. Manufacturers: Grace Construction Products; Henry Company.
2. Provide specific membrane types as recommended by system manufacturers for each type of application.
E. Accessories: Provide as recommended by system manufacturer for specific applications.

PART 3 - EXECUTION

- 3.1 PREPARATION
A. Install underlayment over surfaces that are dry, free of ridges, warps and voids, and free of damage paper.
1. Coordinate installation with installation of components and items extending through underlayment.
3.2 UNDERLAYMENT INSTALLATION
A. Install underlayment in accordance with recommendations of underlayment manufacturer and of manufacturers of products to cover underlayment, comply with applicable code requirements.
1. Weatherlap joints as recommended by system manufacturer.
B. Weatherlap items projecting through underlayment and seal with sealant recommended by underlayment manufacturer.

END OF SECTION

SECTION 07 42 48 - COMPOSITE METAL BUILDING PANELS

PART 1 - GENERAL

- 1.1 SUMMARY
A. Section Includes: Provide fabricated (preformed) composite metal panel system with polymer core sandwiched between metal facing and backing sheets with supports, anchorages, and accessory components for complete weatherlight system.
1. Provide flashings and trim integral with composite metal building panel system.
2. Provide joint sealers and gaskets integral with composite metal building panel system, installed in joints concealed after panels are in place.
B. Related Sections:
1. Section 07 28 00: Building envelope underlayment
1.2 ADMINISTRATIVE REQUIREMENTS
A. Design/Build: Provide special engineering to ensure compliance with applicable codes and Contract Documents.
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: Submit manufacturer's literature for manufactured products.
B. Shop Drawings: Clearly indicate dimensioning, panel layout, general construction details, integral gaskets and sealants, and supports and method of anchorage.
C. Samples: Submit samples of finished composite panel and exposed components.
1. Submit range samples indicating anticipated variances in color and gloss.
D. Certificates: Furnish manufacturer's certificate including Fabricator and Installer are acceptable if installation is not by panel manufacturer.
E. Design/Build Certificates: Submit certification signed by structural engineer, licensed in Project jurisdiction, indicating compliance with Contract Documents and applicable code requirements.
1.4 QUALITY ASSURANCE
A. Fabricator Qualifications: Panel manufacturer or firm with minimum five years successful experience fabricating composite wall panel systems for building cladding systems similar to that required for Project and acceptable to panel manufacturer.
B. Installer Qualification: Panel manufacturer or fabricator.

- C. Mock-Up: Erect full-size mock-up representative of installation of composite metal panel installation; not less than 100 square feet. Approved mock-up may be incorporated into Project.
1. Accepted mock-up establishes minimum standard of quality and workmanship.
1.5 WARRANTY
A. Extended Correction Period: Provide for correcting failure of system to resist damage from anticipated sources including damage from wind and water penetration. Repair system and pay for or replace damaged materials and surfaces.
1. Period: Two years.
B. Manufacturer's Warranty: Submit manufacturer's warranty including special manufacturer services as required for manufacturer's warranty.
1. Period: 26 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 PANEL FABRICATORS
A. Firestone Metal Products; Tagma Corp. USA; G.R. Laurence Company, Inc.
2.2 MATERIALS
A. System Description: Provide fabricated (preformed) composite metal panel system with polymer core sandwiched between metal facing and backing sheets with supports, anchorages, and accessory components.
B. Regulatory Requirements: Provide composite metal panel system to withstand design loads as required by International Building Code.
1. Evaluation: Where applicable, provide composite metal panel system to be tested and approved by local building department.
C. Performance Criteria: Design system to provide minimum of 100% strength without coating delamination, loss of fasteners, undue sheet metal stretch or other detrimental effects when subject to seismic temperature range.
1. Design system to accommodate tolerances of structure.
D. Composite Metal Panel System: Panel system complete with supports and anchorages, sealant and accessory components.
1. Panel System Manufacturers:
a. Alcoa/Alucobond
b. Alcoa Architectural Products/Reynobond Composite Panels
c. Agip/Alcolac Materials Division/Mitsubishi Chemical/PP America/Agip/Alcolac Panels
d. Substitutions: Refer to Section 01 25 00
2. Face Sheets: Minimum 0.020" thick aluminum steel.
3. Exposed Surface Finish: As indicated on Drawings based on following standards:
a. Factory Painted: Coat with Kynar 500 or Hylar 5050 based polyvinylidene fluoride resin; minimum 1 mil thickness, and conforming to AAMA 800 2
1) Color: As selected by Architect, custom color.
b. Clear Anodized: NAAMM AA-C23-A41, Architectural Class 1, minimum 0.7 mil thick anodized coating.
c. Color Anodized: NAAMM AA-C23-A44, Architectural Class 1, minimum 0.7 mil thick anodized coating.
1) Color: As selected by Architect.
4. Total Composite Panel Thickness: Minimum 4 mm (0.16").
5. Panel Construction: Two sheets of aluminum sandwiching a core of extruded thermoplastic (polyethylene) formed in continuous process with no glue or adhesives between core and face sheets.
E. Supports: ASTM A36 shapes and ASTM A1011 or A1008 sheet steel, minimum 16 gage galvanized forming strips; minimum ASTM A123 or A924 and A653 G90 galvanized coating.
F. Concealed Sealants and Gaskets: Manufacturer's standard non-staining, non-corrosive, non-shrinking and non-sagging; become resistant for exterior applications.
G. Fasteners: Manufacturer's standard fully concealed type, minimum ASTM A123 G90 galvanized coating; types to suit application.

PART 3 - EXECUTION

- 3.1 EXAMINATION
A. Verify supporting structure is correctly position and aligned to receive panel system.
B. Clean free of elements that could be harmful to panel system.
C. Beginning of work signifies acceptance of conditions.
3.2 INSTALLATION
A. Panel Fabrications: Provide fabrications as required to provide building panels as indicated on Drawings and as approved by Architect.
B. Panel Flatness: No point on a single unit shall be more than 1/16" away from a straight edge between any two points on panel face.
1. Requirement does not include trim pieces and flashing.
C. Edges: Returned and finished to match panel face.
D. Internal and External Corners: Manufacturer's standard system with exposed parts finished to match panel face.
E. Flashings, Closure Pieces, Inlets, Caps: Match composite metal panel finish; form to required profile.
1. Thickness: Minimum 0.050" thick aluminum.
F. Provide for positive drainage to exterior for any water entering or occurring within panel system.
1. Offset from True Alignment Between Adjacent Members: Maximum 1/16".
2. Variation from Plane or Location on Drawings: Maximum 1/4".
3. Deviation from Vertical and Horizontal Alignment: Maximum 1/4" in 20'-0", non-cumulative.
E. Provide expansion joints where recommended by manufacturer, concealed within panel system joints.

- F. Use concealed fasteners unless specifically approved by Architect.
G. Install concealed sealants and gaskets where required to arrest direct weather protection.
1. Provide oversized gasket closures at penetrations through panels which will allow movement of them penetrating panel without disturbing watertight closure.
H. Coordinate with Section 07 90 00 - Joint Sealants to arrest direct weather penetration and to assure watertight panel system.
I. Completed installation is to be free of rattles, noise due to thermal movement and wind whistles.

END OF SECTION

SECTION 07 43 50 - COMPOSITE BOARD

PART 1 - GENERAL

- 1.1 SUMMARY
A. Section Includes: Provide preformed (precast) Resysta board system for aluminum awnings with necessary accessories for complete secure system including fasteners.
B. Related Sections: Section 06 05 00 - Decorative Metal including window awnings.
1.2 ADMINISTRATIVE REQUIREMENTS
A. Construction: Provide installation requirements of composite boards in aluminum awnings with Section 05 70 00 - Decorative Metal. Review installation procedures and coordination required with related work.
1.3 SUBMITTALS
A. Product Data: Submit manufacturer's literature for manufactured products.
B. Shop Drawings: Clearly indicate dimensioning, board layout, general construction details, and method of anchorage.
C. Samples: Submit samples of finished composite panel.
1.4 QUALITY ASSURANCE
A. Mock-Up: Provide mock-up of one aluminum awning as directed by Architect, clearly indicating board layouts and attachment. Approved mock-up may be incorporated into Project.

PART 2 - PRODUCTS

- 2.1 SYSTEMS MANUFACTURERS
A. Resysta (www.resysta.com)/Resysta Siding; substitutions not permitted.
2.2 MATERIALS
A. System Description: Provide preformed composite (Resysta) boards system for aluminum awnings.
B. Composite Boards System: Composite board system specified with anchorage assembly as required for complete installation. Shape into boards as indicated.
1. Exposed Surface Finish: Wood texture as indicated on Drawings.
C. Fasteners: Type as recommended by system manufacturer; minimum ASTM A666 nonmagnetic corrosion resistant stainless steel, Type 304 or 316; finish heads of exposed fasteners to match color of panels; types to suit application.

PART 3 - EXECUTION

- 3.1 INSTALLATION
A. Install composite boards in accordance with manufacturer's recommendation and installation instructions and with approved shop drawings.
B. Establish level, lines, and board layouts, protect from disturbance.
C. Exercise care when cutting components on site, to ensure cuttings do not remain on finish surfaces; do not damage exposed surfaces.
D. Permanently fasten boards to aluminum awning, properly aligned, leveled and plumb.
1. Offset from True Alignment Between Adjacent Members: Maximum 1/16".
2. Variation from Plane or Location on Drawings: Maximum 1/4".
3. Deviation from Vertical and Horizontal Alignment: Maximum 1/4" in 20'-0", non-cumulative.
E. Completed installation is to be free of rattles, noise due to thermal movement and wind whistles.

END OF SECTION

NEW STORE



OLD NAVY STORE, INC.
CORPORATE ARCHITECTURE
HARRIS STREET
SAN FRANCISCO, CA 94105

REPS. ID.: 000054156
STORE NUMBER: 4458
STORE LOCATION: VINELAND
8231 VINELAND AVENUE
SUITE 2151
ORLANDO, FLORIDA 32821

DESIGN TYPE: P3
GENERATION: 17Q12
PROTOTYPING DATE: 07/18/16
OPENING DATE: 2017

CONSULTANT INFO:
PROFESSIONAL STAMP:

ARCHITECT INFO:
B|R|R
architecture
ARCHITECT OF RECORD: BRR ARCHITECTURE, INC.
6700 ANTIOCH PLAZA, SUITE 300, HERRISMAN, KANSAS 66804

ISSUE TYPE:
PERMIT/BID: 04/07/17

REVISIONS:
DRAWN BY: EE
A/E JOB NUMBER: 65013011

TITLE SHEET:
SPECIFICATIONS
SHEET NUMBER:
A13-6