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This MANU-SPEC® utilizes the Construction Specifications Institute (CSI) *Manual of Practice*, including *MasterFormat™*, *SectionFormat™* and *PageFormat™*. A MANU-SPEC is a manufacturer-specific proprietary product specification using the proprietary method of specifying applicable to project specifications and master guide specifications. Optional text is indicated by brackets (); delete optional text in final copy of specification. Specifier Notes typically precede specification text; delete notes in final copy of specification. Trade/brand names with appropriate symbols typically are used in Specifier Notes; symbols are not used in specification text. Metric conversion, where used, is soft metric conversion.

This MANU-SPEC specifies below-grade extruded polystyrene insulation for protection and drainage applications marketed under the trade name FOAMULAR and manufactured by Owens Corning. FOAMULAR, FOAMULAR 250, FANFOLD and INSUL-DRAIN are registered trademarks of Owens Corning. Revise MANU-SPEC section number and title below to suit project requirements, specification practices and section content. Refer to CSI *MasterFormat* for other section numbers and titles.

SECTION 07100
DAMPPROOFING & WATERPROOFING
(BELOW-GRADE INSULATION)

PART 1 GENERAL

1.01 SUMMARY

- A. Section Includes: Below-grade extruded polystyrene insulation protection board for waterproofing and dampproofing.
1. Types: Types of extruded polystyrene insulation include:
 - a. FOAMULAR 250 Rigid Foam Insulation.
 - b. FOAMULAR Half-Inch Rigid Foam Insulation.
 - c. FOAMULAR FANFOLD Rigid Foam Insulation.
 - d. FOAMULAR INSUL-DRAIN Rigid Foam Insulation.
 2. Applications: Applications of extruded polystyrene insulation include:
 - a. Below-grade Insulation Protection Board.
 - b. Below-grade Insulation Drainage Board.
 - c. Frost Protected Shallow Foundations.
- Specifier Note: Revise paragraph below to suit project requirements. Add section numbers and titles per CSI *MasterFormat* and specifier's practice.
- B. Related Sections: Section(s) related to this section include:
1. Earthwork: Division 2 Earthwork Sections.
 2. Concrete: Division 3 Concrete Sections.
 3. Dampproofing and Waterproofing: Division 7 Dampproofing and Waterproofing Sections.

Specifier Note: Article below may be omitted when specifying manufacturer's proprietary products and recommended installation. Retain Reference Article when specifying products and installation by an industry reference standard. If retained, list standard(s) referenced in this section. Indicate issuing authority name, acronym, standard designation and title. Establish policy for



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indicating edition date of standards referenced. Conditions of the Contract or Division 1 References Section may establish the edition date of standards. This Article does not require compliance with standards, but is merely a listing of references used. Article below should list only those industry standards referenced in this section.

1.02 REFERENCES

- A. General: Standards listed by reference, including revisions by issuing authority, form a part of this specification section to extent indicated. Standards listed are identified by issuing authority, authority abbreviation, designation number, title or other designation established by issuing authority. Standards subsequently referenced herein are referred to by issuing authority abbreviation and standard designation.
- B. American Society for Testing and Materials (ASTM):
 - 1. ASTM C578 Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation.

1.03 SYSTEM DESCRIPTION

- A. Performance Requirements: Provide extruded polystyrene insulation which has been manufactured and installed to maintain performance criteria stated by manufacturer without defects, damage or failure.

Specifier Note: Article below includes submittal of relevant data to be furnished by Contractor either before, during or after construction. Coordinate this Article with Architect's and Contractor's duties and responsibilities in Conditions of the Contract and Division 1 Submittal Procedures Section.

1.04 SUBMITTALS

- A. General: Submit listed submittals in accordance with Conditions of the Contract and Division 1 Submittal Procedures Section.
- B. Product Data: Submit product data, including manufacturer's SPEC-DATA® product sheet, for specified products.
- C. Samples: Submit selection and verification samples for finishes, colors and textures.
- D. Quality Assurance Submittals: Submit the following:
 - 1. Test Reports: Certified test reports showing compliance with specified performance characteristics and physical properties.
 - 2. Certificates: Product certificates signed by manufacturer certifying materials comply with specified performance characteristics and criteria, and physical requirements.
 - 3. Manufacturer's Instructions: Manufacturer's installation instructions.

Specifier Note: Coordinate paragraph below with Part 3 Field Quality Requirements Article herein. Retain or delete as applicable.

- 4. Manufacturer's Field Reports: Manufacturer's field reports specified herein.
- E. Closeout Submittals: Submit the following:
 - 1. Warranty: Warranty documents specified herein.
 - 2. Record Documents: Project record documents for installed materials in accordance with Division 1 Closeout Submittals (Project Record Documents) Section.

Specifier Note: Article below should include prerequisites, standards, limitations and criteria which establish an overall level of quality for products and workmanship for this section. Coordinate below Article with Division 1 Quality Assurance Section.

1.05 QUALITY ASSURANCE

- A. Qualifications:
 - 1. Installer Qualifications: Installer experienced in performing work of this section who has specialized in installation of work similar to that required for this project.

Specifier Note: Retain paragraph below to suit project requirements; otherwise delete paragraph below.

- a. Certificate: When requested, submit certificate indicating qualifications.
2. Manufacturer Qualifications: Manufacturer capable of providing field service representation during construction and approving application method.

Specifier Note: Paragraph below should list obligations for compliance with specific code requirements particular to this section. General statements to comply with a particular code are typically addressed in Conditions of the Contract and Division 1 Regulatory Requirements Section. Repetitive statements should be avoided.

- B. Regulatory Requirements: (Specify applicable requirements of regulatory agencies.).

Specifier Note: Building Codes. Edit paragraph below to suit project. Current data on building code requirements and product compliance may be obtained from Owens Corning technical support specialists. Installation must comply with the requirements of all applicable local, state and national code jurisdictions. For code compliance, see the following reports: HUD Use of Materials Bulletin #71a for sheathing; California Energy Commission and Department of Consumer Affairs; State of Minnesota Department of Energy; City of New York B.S.A. #978-79-S; Underwriters Laboratories, Inc., Classification Certificate U-197; ICBO Evaluation Report #3628; BOCA Research Report 96-24; SBCCI PST & ESI 9727.

1. Building Code: (Specify applicable requirements of building code to suit project requirements.).

Specifier Note: Approvals. Edit paragraph below to suit project. Current data on building code requirements and product compliance may be obtained from Owens Corning technical support specialists. Installation must comply with the requirements of all applicable local, state and national code jurisdictions. For code compliance, see the following reports: HUD Use of Materials Bulletin #71a for sheathing; California Energy Commission and Department of Consumer Affairs; State of Minnesota Department of Energy; City of New York B.S.A. #978-79-S; Underwriters Laboratories, Inc., Classification Certificate U-197; ICBO Evaluation Report #3628; BOCA Research Report 96-24; SBCCI PST & ESI 9727.

2. Approvals: (Specify applicable requirements for approvals to suit project requirements.).

Specifier Note: Coordinate paragraph below with Division 1 Project Management and Coordination (Project Meetings) Section.

- C. Preinstallation Meetings: Conduct preinstallation meeting to verify project requirements, substrate conditions, manufacturer's installation instructions and manufacturer's warranty requirements. Comply with Division 1 Project Management and Coordination (Project Meetings) Section.

Specifier Note: Article below should include special and unique requirements. Coordinate Article below with Division 1 Product Requirements Section.

1.06 DELIVERY, STORAGE & HANDLING

- A. General: Comply with Division 1 Product Requirements Sections.
 - B. Ordering: Comply with manufacturer's ordering instructions and lead time requirements to avoid construction delays.
 - C. Delivery: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.
 - D. Storage and Protection: Store materials protected from exposure to harmful weather conditions, at temperature and humidity conditions recommended by manufacturer.
1. Handle and store product according to Owens Corning recommendations. Materials should be delivered in their original unopened units, stored off the ground, protected from direct sunlight with a light colored opaque polyethylene film and ventilated to prevent excessive temperature. Damaged or deteriorated materials should be removed from the premises.



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Specifier Note: Coordinate Article below with Conditions of the Contract and with Division 1 Closeout Submittals (Warranty) Section.

1.07 WARRANTY

- A. Project Warranty: Refer to Conditions of the Contract for project warranty provisions.

Specifier Note: Warranty: It is the responsibility of the contractor to install FOAMULAR in accordance with Owens Corning's published recommendations. The presence of an Owens Corning representative at the jobsite does not relieve the contractor from the responsibility to follow these instructions. Owens Corning is not responsible for any liability resulting from a failure to follow these instructions. The manufacturer offers a warranty on retention of R-value over time. The manufacturer's liability is expressly limited to replacement of defective goods. Any claim shall be deemed waived unless made in writing to the manufacturer within 30 days from the date it was, or reasonably should have been, discovered. Further information on warranty conditions, duration and remedies may be obtained from Owens Corning.

- B. Manufacturer's Warranty: Submit, for Owner's acceptance, manufacturer's standard warranty document executed by authorized company official. Manufacturer's warranty is in addition to, and not a limitation of, other rights Owner may have under Contract Documents.

Specifier Note: Coordinate paragraph below with manufacturer's warranty requirements.

1. Warranty Period: (Specify term.) years commencing on Date of Substantial Completion.

PART 2 PRODUCTS

Specifier Note: Retain Article below for proprietary method specification. Add product attributes, performance characteristics, material standards and descriptions as applicable. Use of such phrases as "or equal" or "or approved equal" or similar phrases may cause ambiguity in specifications. Such phrases require verification (procedural, legal and regulatory) and assignment of responsibility for determining "or equal" products.

2.01 BELOW-GRADE INSULATION

- A. Manufacturer: Owens Corning.

Specifier Note: Paragraph below is an addition to CSI *SectionFormat* and a supplement to MANU-SPEC. Retain or delete paragraph below per project requirements and specifier's practice.

1. Contact: One Owens Corning Parkway, Toledo, OH 43659; Telephone: (800) 438-7465, (800) GET-PINK; Fax: (419) 248-8052; website: www.owenscorning.com.

Specifier Note: Owens Corning FOAMULAR is an extruded polystyrene closed cell rigid foam insulation used with waterproofing and dampproofing membranes to enhance the performance of vertical and horizontal applications. It is designed to improve thermal performance, prevent condensation on interior surfaces and enhance drainage. FOAMULAR protects membranes from backfill damage while reducing stress on waterproofing and dampproofing membranes by reducing stress caused by fluctuating temperature cycles. It also protects membranes from backfill damage and traffic loads on horizontal decks. Owens Corning's patented Hydrovac process technology makes the unique closed cell polystyrene structure of FOAMULAR Insulation highly resistant to moisture while retaining its initial R-value year after year even following prolonged exposure to humidity, condensation, ground water and freeze/thaw cycling. These products are well suited for: Below-grade foundations, plazas and parking decks, between concrete slabs, roof terraces, pedestrian concourses, tunnels and promenade decks. Limitations: FOAMULAR is practical for buildings having normal temperature conditions but should not be used in contact with chimneys, heater vents, steam pipes or other surfaces where temperatures exceed 150 degrees F (65 degrees C). It is not recommended for applications where sustained temperatures exceed 165 degrees F (74 degrees C). Construction should be evaluated by a qualified design professional for the necessity of providing vapor retarders to avoid condensation and subsequent damage to the structure. (See current ASHRAE Handbook of Fundamentals for more information.) Provisions should be made to protect the insulation from excessive exposure to direct sunlight by covering the insulation as soon as possible. Some plastic or oil based adhesives and many solvent laden mastics are not compatible with polystyrene based rigid foam insulation. FOAMULAR is a

nonstructural material and must be installed on framing other substrate that is independently structurally adequate to meet required construction and service loading conditions. FOAMULAR panels are available in thicknesses of 1/2" - 4" (12.7 - 102 mm) and sizes from 16" - 48" (406 - 1219 mm) wide x 96" (2438 mm) long. Custom panel sizes are also available. FOAMULAR panels are offered in square, scored square, and tongue-and-groove edges.

B. Proprietary Product(s)/System(s): FOAMULAR Extruded Polystyrene Below-Grade Insulation.

Specifier Note: Owens Corning FOAMULAR 250 is an extruded polystyrene insulation ideal for wall furring, perimeter/foundation, cavity wall, crawlspace, precast concrete, under slab, roofing systems, sheathing and other applications. Performance benefits include: High R-value (R-5 per inch of product thickness); compressive strength of 25 psi (172 kPa); effective resistance against moisture, mildew, corrosion and rot; ease of handling and installation; easy to saw, cut and score; wide selection of size and thickness; available in straight, tongue-and-groove, or scored square edges; compliant with building codes and standards. Consult manufacturer's literature. Coordinate thickness, size and edge treatment with available products.

1. FOAMULAR 250 Rigid Foam Insulation: Extruded polystyrene closed cell foam panel with continuous skins on face and back surfaces, 25 psi (172 kPa) minimum compressive strength minimum in accordance with ASTM D1621.
 - a. Thickness: (Specify thickness.) Available Thicknesses: 1/2", 3/4", 1", 1 1/2", 2", 2 1/2", 3", 3 1/2", 4" (12.7, 19.1, 25.4, 38, 51, 64, 76, 89, 102 mm) or as indicated on drawings.
 - b. Size: (Specify size.) Available Sizes: 16" x 96" (406 x 2438 mm), 24" x 96" (610 x 2438 mm), 48" x 96" (1219 x 2438 mm), 48" x 108" (1219 x 2743 mm), or size as indicated on drawings.
 - c. Edges: (Specify edge treatment.) Available Edges: Square, tongue-and-groove.

Specifier Note: Owens Corning FOAMULAR Half-Inch and FANFOLD products effectively protect the foundation's sheet or fluid applied membrane in 2 ways. First, they offer higher water resistance than many other commonly used alternative products. Secondly, they offer high resistance to soil pressures and the abuse that occurs during the backfilling process.

2. FOAMULAR Half-Inch Rigid Foam Insulation: Extruded polystyrene closed cell foam panel with continuous skins on face and back surfaces, complying with ASTM C578 and UL Classification Certificate U-197.
 - a. Thickness: 1/2" (12.7 mm), as indicted on drawings.
 - b. Size: (Specify size.) Available sizes: 2' x 8' (610 x 2438 mm), 4' x 8' (1219 x 2438 mm), 4' x 9' (1219 x 2743 mm) or size as indicated on drawings.
 - c. Edges: Square.
3. FOAMULAR FANFOLD Rigid Foam Insulation: FANFOLD extruded polystyrene foam panel with continuous skins on face and back surfaces complying with UL Classification Certificate U-200.
 - a. Thickness: (Specify thickness.) Available Thickness: 1/4" and 3/8" (6.4 and 9.5 mm) or as indicated on drawings.
 - b. Size: 4' x 50' (1.2 x 15.3 m), folded every 2' (610 mm).

Specifier Note: Owens Corning FOAMULAR INSUL-DRAIN is an extruded polystyrene product incorporating the features of insulation, drainage and protection board in a single product. Easy to install without the need for special tools or equipment, and the superior compressive strength and long-term moisture resistance properties mean years of reliable performance on below-grade foundation walls even under extremely harsh conditions. FOAMULAR's superior R-value of 5 per inch of product thickness, outstanding moisture resistance for long-term performance and tough compressive strength enhance the benefits of INSUL-DRAIN by providing energy efficiency to the foundation wall. Tongue-and-groove edges permit easier board alignment and help

seal joints between boards. A network of drainage channels, cut into 1 side of the INSUL-DRAIN board, allows ground water to drain away from the vertical foundation wall while providing a flow path for soil gases to vent upward. A horizontal channel on the top edge also aids in proper positioning of the INSUL-DRAIN panels. A durable, nonwoven filtration fabric, overlapping the board on 3 sides, prevents soil from clogging the channels. The fabric also overlaps the adjacent boards, as well as the top and bottom edge, for total system performance. The product's 4' x 8' (1219 x 2438 mm) size covers large areas quickly. High compressive strength and resistance to moisture penetration give INSUL-DRAIN outstanding durability below grade. The product will keep performing without crumbling or disintegrating. This makes INSUL-DRAIN extremely effective as a protection board for

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the waterproofing membrane.

4. INSUL-DRAIN Rigid Foam Insulation: Extruded polystyrene closed cell foam panel with fabricated drainage channels and a nonwoven filtration fabric on 1 side, with foam core complying with ASTM C578 and UL classified.
 - a. Thickness: (Specify thickness.) Available Thickness: 1", 1 1/2", 2 1/4" (25.4, 38, 57 mm) or as indicated on drawings.
 - b. Size: (Specify size.) Available Sizes: 4' x 7' (1219 x 2134 mm), 4' x 8' (1219 x 2438 mm) or size as indicated on drawings.
 - c. Edges: Tongue-and-Groove.
- C. Material Standard: Provide FOAMULAR insulation products complying with ASTM C578 standards for Type X and Type IV.

Specifier Note: Paragraph below lists properties for Owens Corning FOAMULAR 250 Insulation. Revise paragraph below for other insulation products specified herein.

- D. Product(s) Testing: Provide extruded polystyrene insulation complying with the following properties:
 1. Flexural Strength (ASTM C203): 75 psi (517 kPa) minimum.
 2. Water Absorption (ASTM C272): 0.1% by volume maximum.
 3. Thermal Conductivity k-Value at 75 degrees F (24 degrees C) (ASTM C518): 0.2.
 4. Thermal Conductivity k-Value at 40 degrees F (4 degrees C) (ASTM C518): 0.18.
 5. Compressive Strength (ASTM D1621): 25 psi (172 kPa) minimum.
 6. Dimensional Stability (ASTM D2126): 2% linear change maximum.
 7. Oxygen Index (ASTM D2863): 24 minimum.
 8. Flamespread (ASTM E84): 5.
 9. Smoke Developed (ASTM E84): 45 - 175.
 10. Water Vapor Permeance (ASTM E96): 1.1 perm max.

Specifier Note: Edit Article below to suit project requirements. If substitutions are permitted, edit text below. Add text to refer to Division 1 Project Requirements (Product Substitutions Procedures) Section.

2.02 PRODUCT SUBSTITUTIONS

- A. Substitutions: No substitutions permitted.

2.03 ACCESSORIES

- A. General: Provide accessory materials, including panel adhesive, construction tape and panel protective coating, as recommended by panel manufacturer.

2.04 RELATED MATERIALS

- A. Related Materials: Refer to other sections listed in Related Sections paragraph herein for related materials.

2.05 SOURCE QUALITY

- A. Source Quality: Obtain below-grade insulation panel materials from a single manufacturer.

PART 3 EXECUTION

Specifier Note: Article below is an addition to the CSI *SectionFormat* and a supplement to MANU-SPEC. Revise Article below to suit project requirements and specifier's practice.

3.01 MANUFACTURER'S INSTRUCTIONS

- A. Compliance: Comply with manufacturer's product data, including product technical bulletins, product catalog installation instructions and product carton instructions for installation.

3.02 EXAMINATION

- A. Site Verification of Conditions: Verify substrate conditions, which have been previously installed under other sections, are acceptable for product installation in accordance with manufacturer's instructions.

3.03 PREPARATION

- A. Surface Preparation: (Specify applicable product preparation requirements.).

Specifier Note: Coordinate Article below with manufacturer's recommended installation details and requirements.

3.04 INSTALLATION

Specifier Note: Although it does contain a flame-retardant additive to inhibit ignition from small fire sources, Owens Corning FOAMULAR insulation will ignite if exposed to fire of sufficient heat and intensity. Products intended for wall applications should be installed only with a thermal barrier on the interior side of the wall. During shipping, storage, installation and use, this product should not be exposed to open flame or other ignition sources.

- A. Below-Grade Insulation Installation: Before backfilling, install insulation board panels to exterior of foundation walls. Adhere insulation to clean surfaces with long edges horizontal, edges tightly butted and vertical joints staggered. Secure insulation with adhesive as recommended by panel manufacturer. Backfill to minimize damage to insulation panels.
 - 1. FOAMULAR Rigid Foam Insulation: Before backfilling, install FOAMULAR to exterior of foundation walls. Adhere insulation to clean surfaces with long edges horizontal, edges tightly butted and vertical joints staggered. Secure insulation with small spots (approximately 2" (51 mm) diameter) of adhesive applied 24" (610 mm) oc to backs of panels. Apply insulation to wall within 15 minutes after applying adhesive. Backfill carefully to minimize damage to insulation panels. Apply protective coating to exposed insulation above groundline; coating shall be as recommended by insulation panel manufacturer.

Specifier Note: INSUL-DRAIN is installed against exterior below-grade foundation walls and can be installed directly over waterproofing or dampproofing membranes provided that the membrane is properly cured.

- 2. Drainage Insulation Board: install INSUL-DRAIN boards vertically with fabric side away from foundation wall. Align the 4' (1.2 m) edge along horizontal and place edge flush along a corner of wall. Install INSUL-DRAIN so as to extend vertically from top of footing to several inches below finished grade. Install properly sized gravel fill at least 1" (305 mm) above bottom edge of board. Fabric overhang along bottom of board shall be tucked underneath to backside of board.
 - a. Should project require less than a full size 7 or 8' (2.1 or 2.4 m) long board, excess shall be trimmed from bottom of board leaving a 3" (76 mm) fabric tab to tuck underneath.
 - b. Apply a bead of adhesive along entire top edge of INSUL-DRAIN to secure top fabric overhang and prevent soil penetration into drainage channels.
 - c. Install adjacent INSUL-DRAIN boards by engaging tongue-and-groove edge to ensure a solid fit between boards. Additional INSUL-DRAIN boards shall be installed in a similar fashion.
 - d. Trim INSUL-DRAIN boards to fit project dimensions or protrusions by scoring with a utility knife or cut with a handsaw.
 - e. At wall corners where 2 INSUL-DRAIN boards intersect, 1 board shall be trimmed flush with wall and second board trimmed to overhang wall by thickness of product to produce a continuous thermal envelope. Apply a bead of sealant vertically where boards join each other.
 - f. Additional tiers of INSUL-DRAIN boards shall be installed the same as first tier. Secure fabric overhangs to adjacent boards with adhesive.



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- g. Owens Corning recommends that INSUL-DRAIN boards shall be partially backfilled same day as installation to stabilize and secure boards in place.

Specifier Note: Edit paragraph below to suit project. Frost Protected Shallow Foundation (FPSF) construction is similar to traditional foundation construction except for insulation details and material savings. Rough grading, foundation layout, subgrade preparation, wall forming, steel reinforcing and concrete casting follow conventional methods, but a shallow foundation means less of each component being used. FPSF is most commonly used in monolithic slab-on-grade, independent slab and stem wall, and permanent wood foundation applications. In this application, rigid foam insulation panels are placed vertically and/or horizontally outside the foundation. The technique can be applied to the construction of new homes as well as additions to existing homes with conventional foundations or homes with walk-out basements. This application for FOAMULAR offers a cost saving alternative to deep foundations in regions that experience seasonal ground freezing and potential frost heave. The concept of FPSF involves the placement of rigid foam insulation in a way that raises the frost penetration depth around a building to permit foundation footing depths as shallow as 16" (406 mm) - even in cold climates. FPSF eliminates the need for crawl spaces, stem walls or basements, thereby saving money for both the contractor and homeowner. NAHB estimates, based on actual builder costs, show that shallow slab-on-grade foundations are about 15 - 21% less expensive to construct than conventional foundations. In addition to these substantial initial savings, FPSF can offer increased energy savings as a result of the insulation requirements. Although relatively new to the United States, FPSF has been extensively used in Scandinavian countries for over 40 years. Because of its many beneficial thermal/mechanical properties, FOAMULAR Extruded Polystyrene Insulation is an ideal choice in FPSF construction. XPS is the only code approved product for use in horizontal applications. For more detailed information on FPSF and technical data, see HUD publication Design Guide for Frost Protected Shallow Foundations HUD-1497-PDR (10/94).

- B. Frost Protected Shallow Foundation (FPSF): (Specify requirements for Frost Protected Shallow Foundation application to suit project requirements.).
- C. Related Products Installation: Refer to other sections listed in Related Sections paragraph herein for related products installation.

3.05 FIELD QUALITY REQUIREMENTS

- A. Site Tests (Installation and Post-Installation Testing): (Specify applicable test requirements to be performed during and/or after product installation.).

Specifier Note: Edit paragraph below. Establish number and duration of periodic site visits with Owner and manufacturer, and specify below. Consult with manufacturer for services required. Coordinate paragraph below with Division 1 Quality Assurance Section and Part 1 Quality Assurance Submittals herein. Delete if manufacturer's field service not required.

- B. Manufacturer's Field Services: Upon Owner's request provide manufacturer's field service consisting of product use recommendations and periodic site visits for inspection of product installation in accordance with manufacturer's instructions.
 - 1. Site Visits: (Specify number and duration of periodic site visits.).

3.06 CLEANING

- A. Cleaning: Remove temporary coverings and protection of adjacent work areas. Repair or replace damaged installed products. Clean installed products in accordance with manufacturer's instructions prior to Owner's acceptance. Remove construction debris from project site and legally dispose of debris.

3.07 PROTECTION

- A. Protection: Protect installed product and finish surfaces from damage during construction.

END OF SECTION