

FINAL REPORT OF SPECIAL INSPECTIONS

PROJECT: Alpharetta Conference Center and The Hotel at Avalon
LOCATION: Alpharetta, GA
PERMIT APPLICANT: Brasfield & Gorrie
APPLICANT'S ADDRESS: 1990 Vaughn Rd, Kennesaw, GA 30144
ARCHITECT OF RECORD: _____
STRUCTURAL ENGINEER OF RECORD: Robert M. Weilacher, PE
MECHANICAL ENGINEER OF RECORD: Garry M. Jenkins, PE
ELECTRICAL ENGINEER OF RECORD: Kevin W. Price, PE
REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE: Rob Weilacher, PE

To the best of my information, knowledge, and belief, which are based upon observations or diligent supervision of our inspection services for the above-referenced Project, I hereby state that the special inspections or testing required for this Project, and designated for this Agent in the Schedule of Special Inspection Services, have been completed in accordance with the Contract Documents.

The Special Inspection program does not relieve the Contractor of the responsibility to comply with the Contract Documents. Jobsite safety and means and methods of construction are solely the responsibility of the Contractor.

Interim reports submitted prior to this final report and numbered _____ to _____ form a basis for, and are to be considered an integral part of this final report. The following discrepancies that were outstanding since the last interim report dated _____ have been corrected:

(Attach 8 1/2"x11" continuation sheet(s) if required to complete the description of corrections)

Prepared By:

Special Inspection Agent/Firm

Type or print name

Signature

Date

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SECTION 015000**TEMPORARY FACILITIES AND CONTROLS****PART 1 - GENERAL****1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Provide the temporary facilities that are required to satisfy the requirements of the work.
- B. The costs of providing temporary facilities shall be included in the Contract Sum.
- C. Maintain temporary facilities at least until Substantial Completion.
- D. The Owner reserves the right to review the connections for temporary utilities. Fifteen days prior to making connections, submit drawings showing connection locations to the Owner with a copy to the Architect.
- E. Make connections to temporary utilities and maintain such connections in a manner acceptable to the authorities having jurisdiction.
- F. Temporary use of the equipment installed under the Contract shall not reduce the period of warranty.

1.3 GENERAL

- A. Locate facilities where they will serve Project adequately and result in minimum interference with performance of the Work. Relocate and modify facilities as required by progress of the Work.
- B. Provide each facility ready for use when needed to avoid delay. Do not remove until facilities are no longer needed or are replaced by authorized use of completed permanent facilities.

1.4 INFORMATIONAL SUBMITTALS

- A. Definition of Submittals for Temporary Work: Only when specifically required by governing code or local authority, certain information relative to temporary construction systems, such as structural loading diagrams, including, but not limited to, specific points of load application on the permanent structure, shall be submitted by the Contractor for information only. Each such submittal shall be prepared and signed and sealed by a qualified professional structural engineer employed by the Contractor, who is registered in the State where the Project is located. Do not submit information regarding temporary work if such submittal is not specifically required by governing code or local authority. The design, installation, use, and maintenance of such temporary construction systems are solely the responsibility of the Contractor.
- B. Quantities to be Submitted: Submit one copy and include only pertinent information. Do not submit equipment drawings and similar items.
- C. Distribution of Submittals for Temporary Work: Submittals for temporary work will not be acted upon by the Architect. The Architect may provide comments to the Contractor or the Owner with respect to such submittals.

1.5 TEMPORARY UTILITIES

- A. General: The Contractor shall arrange with the local utility companies for gas, water, and electricity required for construction under this Project and shall pay the costs in connection with them. The Contractor shall, at his own expense, install distribution lines. Temporary lines shall be maintained by the Contractor in a manner satisfactory to the respective utility companies and the Owner.
- B. Requirements of Regulatory Agencies: The Contractor shall obtain permits as required by local government authorities; obtain easements as required across private property other than that of the Owner for temporary power service; and comply with applicable local codes, and Utility Company regulations.
- C. Temporary Electricity: Make arrangements and connections for temporary electrical service to the site.
 - 1. Comply with National Electrical Contractors Association (NECA), National Electrical Manufacturers Association (NEMA), and Underwriters Laboratories, Inc. (UL) standards and regulations for temporary electric service. Install service to comply with the NEC.
 - 2. Furnish, install, and maintain equipment and wiring necessary for a temporary power system to satisfy the requirements of the work. Provide a sufficient number of circuits to prevent overloading the temporary power system.
 - 3. Furnish and install conveniently located electrical outlets for the construction operations of every trade.
 - 4. Furnish and install power connection for temporary heating, cooling, and ventilating equipment specified in this Section.
- D. The permanent electrical power system may be used for temporary power provided that the Contractor:
 - 1. Obtains the approval of the Owner.
 - 2. Assumes full responsibility for the permanent electrical power system.
- E. Temporary Lighting: Furnish, install, and maintain a temporary lighting system to satisfy the requirements of the work and security. The temporary lighting system shall provide general illumination in all areas of the building. The level of illumination shall not be less than 5 footcandles in areas where work is being performed and not less than 1/2 footcandle in other areas.
 - 1. The permanent lighting system may be used for temporary lighting provided that the Contractor:
 - a. Obtains the approval of the Owner.
 - b. Assumes full responsibility for the permanent lighting system.
 - c. Agrees to clean and relamp permanent lighting fixtures at the time of Substantial Completion.
- F. Temporary Heating, Cooling, and Ventilating: Furnish, install, and maintain a temporary heating, cooling, and ventilating system to satisfy the requirements of the work.
 - 1. In areas of the building where work is being performed, maintain the temperature as required by the Contract Documents. Use heaters that are approved by Underwriters' Laboratories, Inc. (UL), FM Global (FM), and the local Fire Marshal and other local authorities having jurisdiction. Do not allow the temperature and humidity in the building to reach levels which will cause damage to the work.
 - 2. In areas of the building where work is being performed, provide ventilation as required by the manufacturer's written instructions for the products being installed.
 - 3. The permanent heating, cooling, and ventilating system may be used for temporary heating, cooling, and ventilating provided that the Contractor:
 - a. Obtains the Owner's approval.

- b. Provide filter with MERV of 8 at each return-air grille in system and remove at end of construction and clean HVAC system as required in Section 017700 "Closeout Procedures."
 - c. Assumes full responsibility for the permanent system.
 - d. Agrees to provide temporary filters in front of exhaust grills to keep construction dirt out of exhaust ductwork.
 - e. Agrees to restore the permanent system to a clean and like-new condition and to install permanent filters at the time of Substantial Completion.
- G. Temporary Telephone: Make arrangements and connections for temporary telephone service to site. Furnish, install, and maintain a telephone system in the field office to satisfy the requirements of the work.
- H. Temporary Water: Make arrangements and connections for temporary water service to the site. Furnish, install, and maintain temporary piping necessary for a temporary water service system to satisfy the requirements of the work.
 - 1. The permanent water distribution system may be used for temporary water service provided that the Contractor:
 - a. Obtains the Owner's approval.
 - b. Assumes full responsibility for the permanent water distribution system.
- I. Temporary Sanitary Facilities: Furnish, install, and maintain temporary toilet buildings for use by workers, including, but not limited to, those of other contractors. Comply with the requirements of the Health Department or other public agencies having jurisdiction. Maintain sanitary conditions at all times.
- J. Temporary Fire Protection:
 - 1. Furnish, install, and maintain a temporary fire standpipe system in all parts of the building in accordance with the requirements of the local authorities having jurisdiction.
 - 2. If the permanent risers will be used for temporary fire protection, then have the risers installed as the floor slabs are cast. Cap the hose valves on each floor with a permanent screw cap and cap the top-most riser with a temporary cap. Extend risers one at a time so that the remainder are available for use at all times.
 - 3. Furnish and install cross connections, either temporary or permanent. Furnish and install siamese connections to cross connections.
 - 4. Maintain the system in a charged condition. The system may be maintained in a dry condition during periods of freezing weather if acceptable to the local Fire Marshal and other local authorities having jurisdiction.
 - 5. Furnish, install, and maintain temporary hoses and nozzles as required by the local Fire Department.
 - 6. Furnish, install, and maintain a permanent fire pump and a permanent large domestic booster pump with motor controller so that they can be used for temporary fire protection when the zone of the system that they serve requires pumps. Pumps may be installed either in their permanent location or a temporary location.

1.6 CONSTRUCTION AIDS

- A. Construction Elevator: Provide elevator service for the use of the Owner, the Architect, the Contractor and his subcontractors, and separate contractors. The permanent elevator hoistway and equipment may be used for temporary elevator service.
 - 1. Use either the permanent car and hoistway entrances or temporary cars and hoistway entrances.
 - a. If the permanent car and hoistway entrances are used, then protect them from damage.
 - b. If a temporary car and hoistway entrance is used, then provide at least a wood car with a gate and a hoistway gate.
 - 2. Provide qualified operation and maintenance personnel.

3. When the elevator is no longer necessary, remove temporary elevator equipment and worn or damaged parts of the permanent system. Restore those parts of the permanent elevator system used for temporary service to a like-new condition.
- B. Stairs: Until permanent stairs are available, provide temporary stairs where ladders are not adequate.
 1. Existing Stair Usage: Use of the Owner's existing stairs will be permitted, provided stairs are cleaned and maintained in a condition acceptable to the Owner. At Substantial Completion, restore stairs to condition existing before initial use.
- C. Provide protective coverings, barriers, devices, signs, or other procedures to protect stairs and to maintain means of egress. If stairs become damaged, restore damaged areas so no evidence remains of correction work.
 1. Temporary Use of Permanent Stairs: Use of new stairs for construction traffic will be permitted, provided stairs are protected and finishes restored to new condition at time of Substantial Completion.
- D. Temporary Openings: Provide openings in slabs, walls, and partitions where required for moving large pieces of equipment into the building. If temporary openings require that the structural design or specified finishes be changed, then submit drawings to the Architect showing the proposed change. These drawings shall be signed and sealed by a structural engineer who is registered in the State where the Project is located. Do not proceed with such temporary openings until the proposal is accepted in writing by the Architect. Close and finish temporary openings in accordance with the Contract Documents.

1.7 BARRIERS AND ENCLOSURES

- A. Barricades: Furnish, install, and maintain a temporary sidewalk barricade to enclose the site. Provide gates with locks at locations where access is required. Provide a barricade that shall prevent easy access to the site except by the entrance gates.
- B. Fences: Furnish, install, and maintain a temporary fence to enclose the site, unless indicated otherwise on the Drawings. Provide gates with locks at locations where access is required. Provide a fence that will prevent easy access to the site except by the entrance gates.
- C. Temporary Partitions: Provide floor-to-ceiling dustproof partitions to limit dust and dirt migration and to separate areas occupied by the Owner and tenants from fumes and noise. Temporary partitions shall comply with applicable requirements of authorities having jurisdiction, including, but not limited to, fire ratings, wind load requirements, impact resistance, exiting requirements, etc.
 1. Construct dustproof temporary partitions with gypsum board with joints taped on occupied side, and fire-retardant plywood on construction operations side. Provide exterior grade plywood at exterior locations. Provide wood studs or steel studs as applicable to temporary partitions and in accordance with requirements of authorities having jurisdiction.
 2. Where fire resistance-rated temporary partitions are indicated or are required by authorities having jurisdiction, construct partitions according to the rated assemblies.
 3. Seal joints and perimeter. Equip partitions with gasketed dustproof doors, weatherproof sills, and security locks where openings are required.
 4. Finish construction operations side to match adjacent construction.
 5. Protect air-handling equipment.
 6. Insulate partitions to control noise transmission to occupied areas.
 7. Provide walk-off mats at each entrance through temporary partition.

1.8 SECURITY

- A. Maintain the site in a secure condition so that unauthorized persons are prevented from obtaining access. At the end of each day's work, securely close temporary enclosures and lock exterior doors. Provide watchmen as necessary for the protection of the work.

1.9 ACCESS ROADS AND PARKING AREAS

- A. Access Roads: Access the site for delivery of construction materials and equipment only as indicated on the Drawings or as approved by the Owner. The Contractor shall be solely responsible for the loading of and damage to adjacent roadways and structures. Furnish, install, and maintain adequate access roads onto the site from public thoroughfares.
- B. Parking Areas: Provide adequate parking space for construction personnel, either on the site or off the site. Do not encumber the site or public thoroughfares with parked cars. Do not allow parked cars to interfere with traffic, work and storage areas, and materials handling equipment.
- C. Traffic Controls: Comply with requirements of authorities having jurisdiction. Protect existing site improvements to remain, including, but not limited to, curbs, pavement, and utilities. Maintain access for fire-fighting equipment and access to fire hydrants.

1.10 TEMPORARY CONTROL

- A. Construction Cleaning:
 - 1. Prevent the accumulation of wastes.
 - 2. Remove crates, cartons, and other flammable waste materials and trash from the site.
 - 3. Do not burn or bury waste materials on the site.
 - 4. Do not dispose of waste materials in storm or sanitary drains.
 - 5. Do not dispose of waste materials in streams or waterways.
 - 6. Provide on-site containers for the collection of waste materials, debris, and rubbish.
 - 7. Wet down dry materials and rubbish to prevent blowing dust.
 - 8. Lower rubbish by way of chutes, hoists, or in receptacles. Do not allow rubbish or waste to be dropped or thrown from one level to another, either inside or outside the building.
 - 9. In the event that finished surfaces become marked, soiled, or otherwise defaced, clean and restore such surfaces to a like-new condition.
 - 10. Maintain the building, the grounds, and public properties free from accumulations of waste materials.
 - 11. At reasonable intervals during the progress of the work, clean the site and public properties; remove waste materials, debris, and rubbish from the site; and legally dispose of it at public or private dumping areas off the Owner's property.
- B. Noise Control: Execute the work to minimize noise.
- C. Pest Control:
 - 1. Institute a program of pest control for the entire site. Cooperate with local authorities and provide the regular services of an experienced exterminator who shall visit the site at least once a month for the entire construction period.
 - 2. Provide marked metal containers for edible rubbish and enforce their use by employees. Empty containers and have the contents removed from the site as often as required to maintain an adequate pest control program.
- D. Surface Water Control: Furnish, install, and maintain a temporary drainage system and pumping equipment as required to keep the site, including, but not limited to, excavated areas, free from ponded water from any source. Pump and drain in a manner that prevents damage to the work, to adjacent construction, and to adjacent property.

1. Do not use permanent sump pumps for surface water control. Temporary pumps may be installed in the sump pits, if the Owner approves and pits and drain lines are cleaned after temporary use.
2. Remove water, frost, snow, and ice as necessary for the protection and prosecution of the work.

1.11 MOISTURE AND MOLD CONTROL

- A. Contractor's Moisture Protection Plan: Avoid trapping water in finished work. Document visible signs of mold that may appear during construction.
- B. Exposed Construction Phase: Before installation of weather barriers, when materials are subject to wetting and exposure and to airborne mold spores, protect as follows:
 1. Protect porous materials from water damage.
 2. Protect stored and installed material from flowing or standing water.
 3. Keep porous and organic materials from coming into prolonged contact with concrete.
 4. Remove standing water from decks.
 5. Keep deck openings covered or dammed.
- C. Partially Enclosed Construction Phase: After installation of weather barriers but before full enclosure and conditioning of building, when installed materials are still subject to infiltration of moisture and ambient mold spores, protect as follows:
 1. Do not load or install gypsum board or other porous materials or components, or items with high organic content, into partially enclosed building.
 2. Keep interior spaces reasonably clean and protected from water damage.
 3. Periodically collect and remove waste containing cellulose or other organic matter.
 4. Discard or replace water-damaged material.
 5. Do not install material that is wet.
 6. Discard, replace or clean stored or installed material that begins to grow mold.
 7. Perform work in a sequence that allows any wet materials adequate time to dry before enclosing the material in gypsum board or other interior finishes.
- D. Controlled Construction Phase of Construction: After completing and sealing of the building enclosure but prior to the full operation of permanent HVAC systems, maintain as follows:
 1. Control moisture and humidity inside building by maintaining effective dry-in conditions.
 2. Use permanent HVAC system to control humidity.
 3. Comply with manufacturer's written instructions for temperature, relative humidity, and exposure to water limits.
 - a. Hygroscopic materials that may support mold growth, including, but not limited to, wood-based and gypsum-based products that become wet during the course of construction and remain wet for 48 hours are considered defective.
 - b. Measure moisture content of materials that have been exposed to moisture during construction operations or after installation. Record daily readings over a 48 hour period. Identify materials containing moisture levels higher than allowed by the manufacturer. Report findings in writing to the Architect.
 - c. Remove materials that cannot be completely restored to their manufactured moisture level within 48 hours.

1.12 PROJECT IDENTIFICATION AND SIGNS

- A. See Section 015800 "Temporary Project Identification."

1.13 FIELD OFFICES AND STORAGE FACILITIES

- A. Contractor's Field Offices: The Contractor shall provide and maintain a suitable temporary office on the site for his own use and for the use of the Owner and the Architect. The Contractor and his subcontractors shall provide such additional offices as required for their own use and for those employed in the work.

1. Furnish heat, air conditioning, artificial light, ventilation, and janitor's service. Also furnish a conference table, desk, plan rack, chairs, copy machine with a reproduction size of 11 inches by 17 inches, and a facsimile machine. These facilities shall be for the use of the Contractor as well as others visiting the site.
- B. Owner's Field Office: In addition to his own requirements, the Contractor shall provide a separate weathertight field office for the Architect, at the site. The office shall have a floor area of not less than 150 square feet and shall include, but shall not be limited to, heat, air conditioning, artificial light, ventilation, an exterior door with a lock, windows with locks and screens, and furniture and equipment listed below. Furniture and equipment shall be like new at the start of construction. The Contractor shall promptly provide required maintenance for the Architect's field office. Such maintenance shall be provided within 24 hours of request by the Architect. Janitorial services shall be furnished by the Contractor. The Architect's field office shall include, but shall not be limited to, the following features:
1. An office desk with a lock, minimum 30 inches by 60 inches.
 2. One cushioned swivel/tilt chair.
 3. Two cushioned office side chairs.
 4. Two four-drawer lateral file cabinets, including, but not limited to, hanger racks and locks.
 5. One plan table, minimum size 8 feet long by 3 feet wide.
 6. One plan rack with a minimum of 12 plan hangers.
 7. One 48 inch, four-shelf metal bookcase with shelves for samples.
 8. Ceiling-mounted light fixtures that provide 50 footcandles at desk surface.
 9. 125 volt duplex receptacles as required to accommodate office and equipment layout.
 10. Minimum interior ceiling height of 7 feet.
 11. Minimum interior room width of 10 feet.
 12. Two telephone lines to the office. Two-line telephone with conferencing capabilities and speaker phone shall be required. Long distance calls shall be paid for by the caller.
- C. Storage Facilities: Provide and maintain suitable storage facilities on the site for the use of the Contractor and his subcontractors. If off-site storage facilities are needed because of space limitations on the site, then the Contractor shall be responsible for providing those facilities. Provide suitable storage facilities for the use of the subcontractors. Provide storage facilities that shall protect stored materials from damage, contamination, freezing, and moisture.
- D. Location: Prior to placing field offices and materials on the site, prepare a layout of the site showing the locations of field offices and the areas and facilities proposed for the use of storage. Submit this layout to the Owner, for his approval with a copy to the Architect. Maintain a current layout of field offices and storage facilities and make it available for review by the Owner. If the Owner finds it necessary for field offices or storage facilities or both to be moved, then the Contractor shall pay the expenses for relocation.

1.14 REMOVAL OF TEMPORARY FACILITIES

- A. Remove temporary facilities as rapidly as progress of the work will permit or as directed by the Owner.
- B. Disconnect and remove temporary utilities when no longer necessary. Restore the services and sources of supply to their proper operating condition.

PART 2 - PRODUCTS (Not Applicable)

PART 3 - EXECUTION (Not Applicable)

END OF SECTION 015000

FEBRUARY 12, 2016

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ALPHARETTA CONFERENCE CENTER
AND HOTEL AT AVALON - 20130026

TEMPORARY FACILITIES AND CONTROLS

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SECTION 015800**TEMPORARY PROJECT IDENTIFICATION****PART 1 - GENERAL****1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Scope: Furnish, install, and maintain Project identification and signs.
 - 1. Provide temporary on-site informational signs as follows:
 - a. As required by codes, laws, and regulatory agencies.
 - b. To identify key elements of construction facilities.
 - c. To direct traffic.
 - 2. Remove signs at completion of construction.
 - 3. Do not display individual signs or advertisements of any nature at the site, except as required by law, without the express permission of the Owner.

1.3 QUALITY ASSURANCE

- A. Regulatory Requirements: Comply with applicable requirements of the laws, codes, ordinances, and regulations of Federal, State, and local authorities having jurisdiction. Obtain necessary approvals from such authorities.

PART 2 - PRODUCTS**2.1 PROJECT IDENTIFICATION SIGNS**

- A. Provide one painted sign of size, design, lettering, and construction shown on the Drawings.
- B. Erect on the site at a lighted location of high public visibility, adjacent to the main entrance to site, as acceptable to the Architect.

2.2 SIGN MATERIALS

- A. Structure and Framing: Sign shall be in sound condition structurally adequate to work, and suitable for specified finish. Furnish and erect painted sign(s) in a location designated by the Owner. Provide a signboard of 3/4 inch thick, weatherproof exterior grade, overlaid plywood, painted as directed by the Owner, and not to exceed 8 feet by 14 feet in size. The frame and supports for the sign shall be designed by the Contractor. The sign will be laid out by the Architect, no more than four colors will be used.
- B. Sign Surfaces: Provide exterior softwood plywood with medium density overlay, standard large sizes to minimize joints.
- C. Rough Hardware: Provide galvanized rough hardware.
- D. Paint: Provide exterior quality, as specified in Section 099113 "Exterior Painting."
 - 1. Use bulletin colors for graphics.
 - 2. Colors for structure, framing, sign surfaces, and graphics shall be as shown.

PART 3 - EXECUTION**3.1 EXAMINATION**

- A. Verification of Conditions: Examine areas and conditions under which the work is to be installed, and notify the Contractor in writing, with a copy to the Owner and the Architect, of any conditions detrimental to the proper and timely completion of the work. Do not proceed with the work until unsatisfactory conditions have been corrected.
 - 1. Beginning of the work shall indicate acceptance of the areas and conditions as satisfactory by the Installer.

3.2 INSTALLATION

- A. Project Identification Signs: Paint exposed surfaces of supports, framing, and surface materials with one coat of primer, and one coat of exterior paint. Paint graphics in the styles, sizes, and colors as indicated on the Drawings.
- B. Maintenance: Maintain signs and supports in a neat, clean condition. Repair damages to structure, framing, or sign. Relocate informational signs as required by progress of work.
- C. Removal: Remove signs, framing, supports, and foundations at completion of the Project.

END OF SECTION 015800

SECTION 016000

PRODUCT REQUIREMENTS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 INSTALLATION STANDARDS

- A. Install manufactured items in accordance with the manufacturer's written instructions.
- B. Refer inconsistencies between the manufacturer's instructions and the Drawings and Specifications to the Architect for resolution. The Contractor shall not make a claim for an increase in the Contract Sum based on the Architect's resolution of the inconsistency.
- C. Require the Installer of each major component to inspect both the substrate and conditions under which work is to be performed. Do not proceed until unsatisfactory conditions have been corrected in a manner acceptable to the manufacturer and the installer.
- D. Inspect materials or equipment immediately upon delivery and again prior to installation. Reject damaged and defective items.
- E. Provide attachment and connection devices and methods necessary for securing work. Secure work true to line and level. Allow for expansion and building movement.
- F. Provide uniform joint widths in exposed work. Arrange joints in exposed work to obtain the best visual effect as determined by the Architect. Refer questionable choices to the Architect for final decision. The Architect's decision shall be executed by the Contractor at no additional cost to the Owner.
- G. Recheck measurements and dimensions, before starting each installation.
- H. Install each component during weather conditions and Project status that shall ensure the best possible results. Isolate each part of the completed construction from incompatible material as necessary to prevent deterioration.
- I. Coordinate temporary enclosures with required inspections and tests, to minimize the necessity of uncovering completed construction for that purpose.
- J. Where mounting heights are not indicated, install individual components at standard mounting heights recognized within the industry for the particular application indicated. Refer questionable mounting height decisions to the Architect for final decision. Decisions of the Architect regarding governing criteria shall be furnished by the Contractor at no additional cost to the Owner.

1.3 PRODUCT OPTIONS

- A. General:
 - 1. For products specified only by references (i.e., ASTM standards, Federal Specifications, etc.) select any product by any manufacturer which meets the referenced standards and the Specifications.
 - 2. For products specified by naming one or more manufacturers, select any one of the manufacturers named. Substitutions may be proposed in accordance with this Section.

- B. Materials and Equipment:
 - 1. Materials and equipment of the same general type shall be of the same manufacturer throughout the Project to provide uniform appearance, operation, and maintenance.
 - 2. Materials and equipment furnished shall be of the current production and product of a manufacturer regularly engaged in the manufacture of such products, for which replacement parts are available.
 - 3. Materials and equipment shall be new, UL-labeled where applicable, and shall bear the manufacturer's name, model number, and ratings of equipment.
 - 4. Manufacturers of equipment assemblies, which include, but shall not be limited to, components made by others, shall assume complete responsibility for the final assembled unit.
- C. Manufacturer's Instructions: Furnish, erect, install, connect, clean, adjust, test, and condition manufactured articles, materials, and equipment, and place in service in accordance with the manufacturer's directions and recommendations except as otherwise specified herein.
- D. Product Selection and Options:
 - 1. Product Specifications: The product and material to be provided shall meet the performance and technical requirements of the Specifications. If the Contractor submits a product which the Contractor believes is an equivalent or equal, but cannot meet the performance or technical Specifications as stated, the Contractor shall describe, in writing, the exceptions to the Specifications. The written description shall clearly indicate where the manufacturer or the Contractor cannot meet the Specifications or take exceptions and how the alternate product shall perform as an equivalent. Exceptions to specified requirements shall be subject to acceptance by the Owner and the Architect. Such submittals shall comply with requirements for substitutions as described in this Section. Should the Owner or the Architect reject such Contractor-proposed equivalent or equal, the Contractor shall provide products in full conformance with the Specifications and the Drawings at no addition to the Contract Sum or the Contract Time.
 - 2. Manufacturer's Name Listed: Where the manufacturer's name is listed, the manufacturer shall furnish a product that shall meet the performance and technical Specifications as stated. Listing the manufacturer's name does not relieve the Contractor from providing products which comply with the requirements of the Specifications.
 - 3. Manufacturer's Name and Model Number Listed: Where the manufacturer's name and model number is listed, the manufacturer shall furnish that product, modified as required to meet the performance and technical Specifications as stated. Listing the model number does not relieve the Contractor from providing a product which complies with the requirements of the Specifications. Other products submitted shall also have similar features.
 - 4. Performance or Technical Specifications: Where a product is specified by performance or technical requirements and the manufacturer's name or model number is not specified, the Contractor may select any manufacturer or product which meets the requirements of the Specifications.
- E. Colors:
 - 1. The Contractor, his subcontractors, and materials suppliers shall cooperate in furnishing required samples to aid in color selections. Where custom colors are selected by the Architect, furnish accurate reproductions of these colors on materials of same type to be used in the work, for review. In all cases, colors and materials shall match samples in the Architect's office.
 - 2. If the colors of factory-finished equipment are not specified, then the Architect will select from the manufacturer's standard range of colors for non-public areas and will select custom colors for public areas, unless specified otherwise.

3. Where discrepancies occur between the colors and materials scheduled and other requirements of the Contract Documents, they shall be referred to the Architect for resolution. The Contractor shall furnish these materials in accordance with the Architect's determination at no additional cost to the Owner.
- F. Nameplates: Manufacturer's names, nameplates, or logos shall not be permanently affixed to factory-fabricated items such as ornamental metal, miscellaneous metal, doors, frames, millwork, and plumbing fixtures if they will be visible after installation of the items and if, in the Architect's opinion, they are objectionable. This does not apply to Underwriters' Laboratories, Inc. (UL) labels, where required, or to manufacturer's names on rating plates on mechanical and electrical equipment.
1. Mechanical and Electrical Equipment: Provide a nameplate on each major piece of equipment. Include the manufacturer's name, address, model number, and rating. Securely attach the nameplate in a conspicuous place. This does not apply to equipment exposed to view in public areas.
- G. Inspecting and Testing:
1. Observation: Right is reserved to observe products during manufacture or fabrication and before shipment. Permit access for observation and cooperate with the Owner and the Architect. Products which are rejected shall be promptly replaced with new products meeting requirements of the Contract Documents. Factory observation does not preclude potential for rejection at the Project site.
 2. Factory Tests: When required, manufacturer or fabricator shall perform product tests after manufacture or fabrication and before shipment. Tests may be witnessed by the Owner or the Architect. Notify the Owner and the Architect at least 14 days prior to testing. Permit access for witnessing tests. Tested products shall demonstrate that they meet the requirements of the Contract Documents. In the event that retesting becomes necessary, cost for retesting and cost to the Owner and the Architect or their consultants for observing any retest shall be the responsibility of the Contractor at no change in the Contract Sum.
 3. Field Tests: When required, manufacturer or fabricator shall perform product tests after product is installed and, when applicable, in operation at the Project site. Tests shall be conducted by product manufacturer's factory-trained representatives or fabricator's factory-trained representatives. Tests may be observed by the Owner or the Architect. Notify the Owner and the Architect at least 14 days prior to testing. Manufacturer or fabricator representatives shall furnish instruments and test equipment, calibrated and certified by an independent quality control service. The Contractor shall furnish test connections and utilities. Tested products shall demonstrate that they meet the requirements of the Contract Documents. In the event retesting becomes necessary, cost for retesting and cost to the Owner, the Architect, and their consultants for observing any retest shall be the responsibility of the Contractor at no change in the Contract Sum.
- H. Metal Thickness: Unless otherwise indicated, reference to gage or thickness of metal products shall be the base metal gage or thickness, excluding thickness of coating, such as paint coatings, zinc (galvanized) coatings, and plating.
- I. Threaded Fasteners: Threaded fasteners and associated accessories for the work shall be manufactured in the United States of America.
- J. Installation and Start-Up: When product manufacturer's warranty is contingent upon installation or start-up technical assistance service by the manufacturer's authorized representative, advise the Owner and the Architect in writing not less than 14 days prior to date of commencement of that portion of the work.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Transportation and Handling:
 - 1. Delivery:
 - a. Shop Assembly: Preassemble products in shop to greatest extent possible to minimize field splicing and assembly. Disassemble product into units only as necessary for shipping and handling limitation. Clearly mark units for ease of assembly and coordinated installation.
 - b. Openings: Prior to shipping, provide temporary caps or plugs to close openings of products to prevent entry of foreign material or damage to openings.
 - c. Fluids: Drain products of fluids prior to shipping, except as otherwise required by manufacturer. Ship fluids in separate containers.
 - d. Containers: Deliver products to Project site in original, new, and unopened packages or containers bearing manufacturer's name, content identification, and additional data required by respective Specification sections.
 - e. Built-In Items: Promptly deliver products to be built into supporting construction. Furnish final setting drawings, diagrams, templates, and instructions for installation of built-in items.
 - 2. Handling:
 - a. Methods: Handle products and place products in positions in a manner to prevent overstress, deformation, defacement, or other damage.
 - b. Lifting Aids:
 - 1) Furnish products with lifting aids, including, but not limited to, lifting irons, eye bolts, lifting lugs, and like items as applicable. Whenever possible, lifting aids shall be of threaded connection type.
 - 2) Do not remove lifting aids from products, except for interference with installation or operation. Under no circumstances shall lifting lugs welded to code stamp or like certified products be removed.
 - 3) Tag and deliver removed lifting aids to the Owner. Tag shall identify products to which lifting aids are associated.
- B. Storage and Protection:
 - 1. Storage Space:
 - a. Place products to provide easy access for review, so identification marks are easily visible, and to provide space necessary for future handling.
 - b. If it becomes necessary during progress of the work to move product storage facility, move such facility at no change in the Contract Sum.
 - 2. Off-Site Storage: In the event that it is necessary to store products off-site, first obtain acceptance of the Owner. The Contractor shall be responsible for insurance, warehousing, transportation, handling, and similar items associated with products stored off-site.
 - 3. Protection:
 - a. Do not place products in direct contact with ground or where products can become splattered with mud, dirt, water, debris, or other similar material, or where products cannot be picked-up for future handling without damage.
 - b. Store products subject to damage by weather in weathertight enclosure. Maintain temperature and humidity within ranges required or recommend by manufacturer's instructions.
 - c. Prevent moisture from condensing on surfaces within space of protected or covered products.

1.5 SUBSTITUTIONS

- A. Prior to Award of Contract:
 - 1. The Architect will consider written requests for substitutions received at least 10 days prior to Award of Contract. Requests received after that time may not be considered.

2. Written requests for substitutions shall be reviewed and signed by the installer and the Contractor in accordance with requirements of this Section before being forwarded to the Architect for his consideration.
 3. The Architect will consider only those requests accompanied by a copy of the Request for Substitution Form bound herein, filled out completely, signed, and including the required attachments.
 4. Substitutions will not be considered if acceptance will require substantial revision of the Contract Documents.
 5. Notification of accepted substitutions will be made by addendum.
- B. After Award of Contract:
1. The Architect will consider formal requests from the Contractor for substitution of products and processes in lieu of those specified only under one or more of the following circumstances:
 - a. When the Contractor ascertains that the specified product is not available. Proof shall be submitted that firm orders were placed in a timely manner or that the unavailability is due to strike, lockout, bankruptcy, discontinuance of manufacture, or an act of God.
 - b. When, in the opinion of the Contractor, the product or process will not fulfill the design intent.
 - c. When the substitution is in the best interests of the Owner.
 2. The Architect will consider only those requests accompanied by a copy of the Request for Substitution Form bound herein, filled out completely, signed, and including the required attachments.
 - a. Where acceptance of such substitutions would result in a change in the Contractor's costs, he shall indicate the amount to be added to, or deducted from, the Contract Sum.
 - 1) Costs to the Contractor's or subcontractor's installations, resulting from differences in materials or equipment which are being submitted as a substitution, shall be the responsibility of the Contractor initiating the substitution. This shall include, but shall not be limited to, the costs for changes such as engineering, structure, roof or wall opening sizes, etc.
 3. Substitutions shall not be considered if:
 - a. They are indicated or implied on shop drawings or product data submittals without prior formal written request and acceptance.
 - b. Acceptance shall require substantial revision of the Contract Documents.
 - c. No benefit to the Owner is determined.
 4. The Architect will forward requests for substitution, along with his recommendation, to the Owner for approval or rejection.
 5. Notification of accepted substitutions will be made to the Contractor by change order.
- C. Owner Initiated Requests for Substitution:
1. The Architect will review requests from the Owner for substitution of products and processes.
 2. The Architect will prepare a request for proposal for Owner initiated requests and forward the request for proposal to the Contractor.
 3. The Contractor shall submit a proposal for the work in the request for proposal and submit it to the Architect accompanied by a copy of the request for proposal and including the product information, details, and other appropriate attachments.
 - a. Where acceptance of the substitution would result in a change in the Contractor's costs, he shall indicate the amount to be added to, or deducted from, the Contract Sum.
 - 1) Costs to the Contractor's or subcontractor's installations, resulting from differences in materials or equipment which are being submitted as a substitution, shall be the responsibility of the Owner. This shall include, but shall not be limited to, the costs for changes such as engineering, structure, roof or wall opening sizes, etc.

4. The Architect will forward Contractor proposals for the Owner initiated request for substitution, along with his recommendation, to the Owner for approval or rejection.
5. Notification of accepted substitutions will be made to the Contractor by change order.

PART 2 - PRODUCTS (Not Applicable)

PART 3 - EXECUTION (Not Applicable)

END OF SECTION 016000

REQUEST FOR SUBSTITUTION

TO: Cooper Carry, Inc.
191 Peachtree Street, NE, Suite 2400
Atlanta, Georgia 30303

FROM:

name of manufacturer

street address

city and state

phone number and name of person to contact

PROJECT: Alpharetta Conference Center and Hotel at Avalon
Alpharetta, Georgia
Project No. 20130026

1. **Location:** Specification section and paragraph numbers of product specified.

2. **Proposed Substitute:**

A. Name and model number. _____

B. Description. _____

C. Attach applicable submittals as required by the referenced Specification section (i.e., product

data, materials list, shop drawings, samples, design data, test reports, and certificates). Attach shop drawings, to show the effect of the proposed substitution on adjacent components of the work.

D. Insert numbers of applicable reference standards. _____

E. Attach a color chart, if applicable.

F. Attach installation instructions.

3. **Manufacturer's Reputation:** Attach the following:

A. Evidence of reputation for prompt delivery.

B. Evidence of reputation for efficiency in servicing products.

4. **Comparison:** Attach an itemized comparison of the proposed substitution with product specified.
5. **Changes in Work:** Attach data relating to changes required in other work to permit use of proposed substitution and changes required in Construction Progress Schedule.
6. **Cost Data:** Attach accurate cost data on proposed substitution in comparison with product specified.
7. **Previous Installation:** Provide the following information on similar projects on which proposed substitution was used, list projects in the locale of the Project primarily and then in other areas that best represent its application on this Project:

	Name and Address of Project	Date of Installation	Name Address and Phone Number of Architect
A.	_____	_____	_____
	_____		_____
	_____		_____
B.	_____	_____	_____
	_____		_____
	_____		_____
C.	_____	_____	_____
	_____		_____
	_____		_____
D.	_____	_____	_____
	_____		_____
	_____		_____

8. **Manufacturer, Installer, and Contractor Representation:** In making a request for substitution the manufacturer, the Installer, and the Contractor each represents that:
 - A. He has examined the Drawings and Specifications and has determined that, to the best of his knowledge, the proposed substitution is appropriate for the use intended in the Drawings and Specifications.
 - B. He will provide the same or better warranty for substitution as for product or method specified.
 - C. The product is equal or better in quality and serviceability to the specified item.
9. **Installer and Contractor Representation:** In making a request for substitution the Installer and the Contractor each represents that:
 - A. He will coordinate the installation of accepted substitution into the work, making such changes as may be required for the work to be complete in all respects.

- B. He waives all claims for additional costs related to substitution which consequently become apparent.
- C. Cost data is complete and includes, but shall not be limited to, all related costs under his Contract, but excludes costs under separate contracts and the Architect's redesign costs.
- D. The substitution meets the requirements of the Contract Documents, regardless of the evidence submitted or any review or independent investigation by the Owner or the Architect.

name of manufacturer and signature of manufacturer's representative date

name of installer and signature of Installer's representative date

name of Contractor and signature of Contractor's representative date

END OF FORM

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SECTION 017123

FIELD ENGINEERING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 GRADES, LINES, AND LEVELS

- A. Owner's Duties: Furnish a site survey indicating lot lines, restrictions, and utilities.
- B. Contractor's Duties:
 - 1. Establish, maintain, and be responsible for grades, lines, levels, and benchmarks.
 - 2. Verify grades, lines, levels, and dimensions indicated on the Drawings before laying out the work. Failure to make said verification will not be grounds for a claim for an increase in the Contract Sum or the Contract Time. The Architect will in no case assume the responsibilities for laying out the work.
 - 3. Establish benchmarks and axis lines at each floor showing exact floor elevations and other lines and dimensional reference points as required for the information and guidance of trades.
 - 4. Before ordering materials or doing work which is dependent for proper size or installation upon coordination with building conditions, verify dimensions by taking measurements and be responsible for their correctness.
 - 5. No consideration will be given to claims based on differences between the actual dimensions and those indicated on the Drawings.
 - 6. Report to the Architect any discrepancy between the Drawings or the Specifications and the existing conditions. Do not proceed in areas of discrepancy until such discrepancies have been fully resolved.

1.3 SURVEYOR

- A. Engage and pay for the services of a licensed surveyor, subject to the approval of the Owner, who is not a regular employee of the Contractor and who has no interest in the Contract.

1.4 LOCATING THE WORK

- A. Verification: The surveyor shall verify that the following elements of the work have been furnished and installed in accordance with the Contract Documents:
 - 1. Piles/Drilled Piers: Verify locations, elevations, and dimensions.
 - 2. Foundation Walls: Verify locations, elevations, dimensions, and angles.
 - 3. Exterior Walls: Verify locations and plumbness.
- B. Certification: Submit certification to the Owner with a copy to the Architect, in the form of original drawings signed by the surveyor, stating that the work has been accurately located relative to the property lines. Except at his own risk, the Contractor shall not proceed with the work until surveyor's certification has been submitted and verified for correct location of the work.

1.5 SETTLEMENT MONITORING

- A. Readings: The surveyor shall take readings of the work and adjacent property at a number of points. The number will be determined by the Architect. Provide a proposed program, in writing, for settlement monitoring prior to the start of excavation or foundation work. Readings shall be taken weekly until the work is substantially complete.
- B. Reports: Record settlement readings and submit them in the form of a report to the Owner and the Architect once a month.

PART 2 - PRODUCTS (Not Applicable)

PART 3 - EXECUTION (Not Applicable)

END OF SECTION 017123

SECTION 017329

CUTTING AND PATCHING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Scope: This Section specifies administrative and procedural requirements for cutting and patching.
 - 1. Refer to other sections for specific requirements and limitations applicable to cutting and patching individual parts of the work.
 - 2. Requirements of this Section apply to mechanical and electrical installations. Refer to sections in Division 21 "Fire Suppression," Division 22 "Plumbing," Division 23 "Heating, Ventilating, and Air-Conditioning," and Division "26 Electrical" for other requirements and limitations applicable to cutting and patching mechanical and electrical installations.

1.3 DEFINITIONS

- A. Cutting: Removal of in-place construction necessary to permit installation or performance of other work.
- B. Patching: Fitting and repair work required to restore surfaces to original conditions after installation of other work.

1.4 INFORMATIONAL SUBMITTALS

- A. Cutting and Patching Proposal: Where review of procedures for cutting and patching is required before proceeding, submit a proposal describing procedures well in advance of the time cutting and patching shall be performed and request notice to proceed. Include the following information, as applicable, in the proposal:
 - 1. Describe the extent of cutting and patching required and how it shall be performed. Indicate why it cannot be avoided.
 - 2. Describe anticipated results in terms of changes to existing construction. Include changes to structural elements and operating components as well as changes in the building's appearance and other significant visual elements.
 - 3. List products to be used and firms or entities that shall perform the work.
 - 4. Indicate dates when cutting and patching shall be performed.
 - 5. List utilities that will be disturbed or affected, including, but not limited to, those that will be relocated and those that will be temporarily out-of-service. Indicate how long service will be disrupted.
- B. Calculations: Where cutting and patching involves addition of reinforcement to structural elements, submit details and engineering calculations to show how reinforcement is integrated with the original structure. Details and calculations shall be sealed by a professional Structural Engineer licensed in the State in which the Project is located.
- C. Removal and Replacement: Notice by the Architect to proceed with cutting and patching does not waive the Architect's right to later require complete removal and replacement of a part of the work found to be unsatisfactory.

1.5 QUALITY ASSURANCE

- A. Requirements for Structural Work: Do not cut and patch structural elements in a manner that would reduce their load-carrying capacity or load-deflection ratio.
 - 1. Obtain acceptance of the cutting and patching proposal before cutting and patching any structural elements.
- B. Operational and Safety Limitations: Do not cut and patch operating elements or safety related components in a manner that would result in reducing their capacity to perform as intended, or result in increased maintenance, or decreased operational life or safety.
 - 1. Obtain acceptance of the cutting and patching proposal before cutting and patching any operating element or safety related system.
- C. Visual Requirements: Do not cut and patch construction exposed on the exterior or in occupied spaces, in a manner that would, in the Architect's opinion, reduce the building's aesthetic qualities, or result in visual evidence of cutting and patching. Remove and replace work cut and patched in a visually unsatisfactory manner.
 - 1. If possible retain the original Installer or Fabricator to cut and patch exposed work, or if it is not possible to engage the original Installer or Fabricator, engage another recognized experienced and specialized firm.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Use materials that are identical to existing materials. If identical materials are not available or cannot be used where exposed surfaces are involved, use materials that match existing adjacent surfaces to the fullest extent possible with regard to visual effect. Use materials whose installed performance will equal or surpass that of existing materials.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Before cutting existing surfaces, examine surfaces to be cut and patched and conditions under which cutting and patching shall be performed. Take corrective action before proceeding, if unsafe or unsatisfactory conditions are encountered.
- B. Before proceeding, meet at the site with parties involved in cutting and patching, including, but not limited to, mechanical and electrical trades. Review areas of potential interference and conflict. Coordinate procedures and resolve potential conflicts before proceeding.

3.2 PREPARATION

- A. Provide temporary support of work to be cut.
- B. Protect existing construction during cutting and patching to prevent damage. Provide protection from adverse weather conditions for portions of the Project that might be exposed during cutting and patching operations.
- C. Avoid interference with use of adjoining areas or interruption of free passage to adjoining areas.
- D. Take precautions necessary to avoid cutting existing pipe, conduit, or ductwork serving the building, but scheduled to be removed or relocated until provisions have been made to bypass them.

3.3 PERFORMANCE

- A. General: Employ skilled workmen to perform cutting and patching. Proceed with cutting and patching at the earliest feasible time and complete without delay. Cut existing construction to provide for installation of other components or performance of other construction activities and the subsequent fitting and patching required to restore surfaces to their original condition.
 - 1. Repair sprayed fire-resistive material where damaged by cutting and patching. Comply with requirements specified in Section 078100 "Applied Fireproofing."
 - 2. Repair through penetration firestop systems where damaged by cutting and patching. When penetrating fire-rated construction provide fire-rated through penetration firestop systems in accordance with requirements of local authorities having jurisdiction. Comply with requirements specified in Section 078413 "Penetration Firestopping."
- B. Cutting: Cut existing construction using methods least likely to damage elements to be retained or adjoining construction. Where possible review proposed procedures with the original Installer. Comply with the original Installer's recommendations.
 - 1. In general, where cutting is required use hand or small power tools designed for sawing or grinding, not hammering and chopping. Cut holes and slots neatly to size required with minimum disturbance of adjacent surfaces. Temporarily cover openings when not in use.
 - 2. To avoid marring existing finished surfaces, cut or drill from the exposed or finished side into concealed surfaces.
 - 3. Cut through concrete and masonry using a cutting machine such as a carborundum saw or diamond core drill.
 - 4. Comply with requirements of applicable sections of Division 31 "Earthwork" where cutting and patching requires excavating and backfilling.
 - 5. Bypass utility services such as pipe or conduit, before cutting, where services are shown or required to be removed, relocated, or abandoned. Cut-off pipe or conduit in walls or partitions to be removed. Cap, valve, or plug and seal the remaining portion of pipe or conduit to prevent entrance of moisture or other foreign matter after bypassing and cutting.
- C. Patching: Patch with durable seams that are as invisible as possible. Comply with specified tolerances.
 - 1. Where feasible, inspect and test patched areas to demonstrate integrity of the installation.
 - 2. Restore exposed finishes of patched areas and extend finish restoration into retained adjoining construction in a manner that will eliminate evidence of patching and refinishing.
 - 3. Where removal of walls or partitions extends one finished area into another, patch and repair floor and wall surfaces in the new space to provide an even surface of uniform color and appearance. Remove existing floor and wall coverings and replace with new materials, if necessary to achieve uniform color and appearance.
 - a. Where patching occurs in a smooth painted surface, extend final paint coat over entire unbroken area containing the patch, after the patched area has received primer and second coat.
 - 4. Patch, repair or rehang existing ceilings as necessary to provide an even plane surface of uniform appearance.

3.4 CLEANING

- A. Thoroughly clean areas and spaces where cutting and patching is performed or used as access. Remove completely paint, mortar, oils, putty, and items of similar nature. Thoroughly clean piping, conduit, and similar features before painting or other finishing is applied. Restore damaged pipe covering to its original condition.

END OF SECTION 017329

SECTION 017419

CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Scope: This Section specifies administrative and procedural requirements for construction waste management as follows:
 - 1. Salvaging non-hazardous construction waste.
 - 2. Recycling non-hazardous construction waste.
 - 3. Disposing of non-hazardous construction waste.

1.3 DEFINITIONS

- A. General: In addition to the definitions include below, see Section 014200 "References" for terms used in this Section.
- B. Construction Waste: Building and site improvement materials and other solid waste resulting from construction, remodeling, renovation, or repair operations. Construction waste includes, but shall not be limited to, packaging.
- C. Disposal: Removal off site of construction waste and subsequent sale, recycling, reuse, or deposit in landfill or incinerator acceptable to authorities having jurisdiction.
- D. Recycle: Recovery of construction waste for subsequent processing in preparation for reuse.
- E. Salvage: Recovery of construction waste and subsequent sale or reuse in another facility.
- F. Salvage and Reuse: Recovery of construction waste and subsequent incorporation into the work.

1.4 PERFORMANCE REQUIREMENTS

- A. General: Achieve end-of-Project rates for salvage and recycling of percent by weight of total non-hazardous solid waste generated by the Work. Practice efficient waste management in the use of materials in the course of the Work. Use all reasonable means to divert construction and demolition waste from landfills and incinerators. Facilitate salvage and recycling of materials, including the following:
 - 1. Construction Waste:
 - a. Site-clearing waste.
 - b. Masonry and concrete masonry units.
 - c. Lumber.
 - d. Wood sheet materials.
 - e. Wood trim.
 - f. Metals.
 - g. Roofing.
 - h. Insulation.
 - i. Carpet and pad.
 - j. Gypsum board.
 - k. Piping.

- I. Electrical conduit.
- m. Regardless of salvage recycle goal indicated above, salvage or recycle 100 percent of the following uncontaminated packaging materials:
 - 1) Paper.
 - 2) Cardboard.
 - 3) Boxes.
 - 4) Plastic sheet and film.
 - 5) Polystyrene packaging.
 - 6) Wood crates.
 - 7) Plastic pails.

1.5 ACTION SUBMITTALS

- A. Waste Management Plan: Submit three copies of plan within 30 days of date established for commencement of the work.

1.6 INFORMATIONAL SUBMITTALS

- A. Waste Reduction Progress Reports: Concurrent with each Application for Payment, submit three copies of report. If applicable, include separate reports for construction waste. Use Form CWM-7 for construction waste. Include the following information:
 - 1. Material category.
 - 2. Generation point of waste.
 - 3. Total quantity of waste in tons.
 - 4. Quantity of waste salvaged, both estimated and actual in tons.
 - 5. Quantity of waste recycled, both estimated and actual in tons.
 - 6. Total quantity of waste recovered (salvaged plus recycled) in tons.
 - 7. Total quantity of waste recovered (salvaged plus recycled) as a percentage of total waste.
- B. Waste Reduction Calculations: Before request for Substantial Completion, submit three copies of calculated end-of-Project rates for salvage, recycling, and disposal as a percentage of total waste generated by the work.
- C. Recycling and Processing Facility Records: Indicate receipt and acceptance of recyclable waste by recycling and processing facilities licensed to accept them. Include manifests, weight tickets, receipts, and invoices.
- D. Landfill and Incinerator Disposal Records: Indicate receipt and acceptance of waste by landfills and incinerator facilities licensed to accept them. Include manifests, weight tickets, receipts, and invoices.
- E. Qualification Data: As applicable to the Project, furnish qualification data for waste management coordinator refrigerant recovery technician.
- F. Statement of Refrigerant Recovery: Signed by refrigerant recovery technician responsible for recovering refrigerant, stating that all refrigerant that was present was recovered and that recovery was performed according to EPA regulations. Include name and address of technician and date refrigerant was recovered.
- G. Final Waste Management Report: At completion of construction, submit comprehensive tracking log. Include the following information in addition to details stated above for Waste Management Plan.
 - 1. Include legible copies of on-site logs, manifests, weight tickets, and receipts.

1.7 QUALITY ASSURANCE

- A. Refrigerant Recovery Technician Qualifications: Certified by EPA-approved certification program.
- B. Regulatory Requirements: Comply with applicable requirements of the laws, codes, ordinances, and regulations of Federal, State, and local authorities having jurisdiction. Obtain necessary approvals from such authorities.
- C. Waste Management Conference: Conduct conference at the Project site to comply with requirements in Section 013119 "Project Meetings." Review methods and procedures related to waste management, including, but not limited to, the following:
 - 1. Review and discuss waste management plan, including, but not limited to, responsibilities of waste management coordinator.
 - 2. Review requirements for documenting quantities of each type of waste and its disposition.
 - 3. Review and finalize procedures for materials separation and verify availability of containers and bins needed to avoid delays.
 - 4. Review procedures for periodic waste collection and transportation to recycling and disposal facilities.
 - 5. Review waste management requirements for each trade.

1.8 WASTE MANAGEMENT PLAN

- A. General: Develop a waste management plan according to ASTM E 1609 and requirements in this Section. Plan shall consist of waste identification, and waste reduction work plan, and cost/revenue analysis. Distinguish between construction wastes. Indicate quantities by weight or volume, but use same units of measure throughout waste management plan.
- B. Waste Identification: Indicate anticipated types and quantities of construction waste generated by the Work. Use Form CWM-1 for construction waste. Include estimated quantities and assumptions for estimates.
- C. Waste Reduction Work Plan: List each type of waste and whether it will be salvaged, recycled, or disposed of in landfill or incinerator. Use Form CWM-3 for construction waste. Include points of waste generation, total quantity of each type of waste, quantity for each means of recovery, and handling and transportation procedures.
 - 1. Salvaged Materials for Reuse: For materials that will be salvaged and reused in this Project, describe methods for preparing salvaged materials before incorporation into the work.
 - 2. Recycled Materials: Include list of local receivers and processors and type of recycled materials each will accept. Include names, addresses, and telephone numbers.
 - 3. Disposed Materials: Indicate how and where materials will be disposed of. Include name, address, and telephone number of each landfill and incinerator facility.
 - 4. Handling and Transportation Procedures: Include method that will be used for separating recyclable waste, including, but not limited to, sizes of containers, container labeling, and designated location on the Project site where materials separation will occur.
- D. Cost/Revenue Analysis: Indicate total cost of waste disposal as if there was no waste management plan and net additional cost or net savings resulting from implementing waste management plan. Use Form CWM-5 for construction waste. Include the following:
 - 1. Total quantity of waste.
 - 2. Estimated cost of disposal (cost per unit). Include hauling and tipping fees and cost of collection containers for each type of waste.
 - 3. Total cost of disposal (with no waste management).
 - 4. Revenue from salvaged materials.
 - 5. Revenue from recycled materials.

6. Savings in hauling and tipping fees by donating materials.
7. Savings in hauling and tipping fees that are avoided.
8. Handling and transportation costs. Include cost of collection containers for each type of waste.
9. Net additional cost or net savings from waste management plan.

E. Forms: Prepare waste management plan on forms included at end of Part 3 - EXECUTION.

PART 2 - PRODUCTS (Not Applicable)

PART 3 - EXECUTION

3.1 PLAN IMPLEMENTATION

- A. General: Implement waste management plan as approved by the Owner. Provide handling, containers, storage, signage, transportation, and other items as required to implement waste management plan during the entire duration of the Contract.
 1. Comply with Section 015000 "Temporary Facilities and Controls" for operation, termination, and removal requirements.
- B. Waste Management Coordinator: Engage a waste management coordinator to be responsible for implementing, monitoring, and reporting status of waste management work plan. Coordinator shall be present at the Project site full time for duration of the Project.
- C. Training: Train workers, subcontractors, and suppliers on proper waste management procedures, as appropriate for the work occurring at the Project site.
 1. Distribute waste management plan to everyone concerned within three days of submittal return.
 2. Distribute waste management plan to entities when they first begin work on-site. Review plan procedures and locations established for salvage, recycling, and disposal.
- D. Site Access and Temporary Controls: Conduct waste management operations to ensure minimum interference with roads, streets, walks, walkways, and other adjacent occupied and used facilities.
 1. Designate and label specific areas on the Project site necessary for separating materials that are to be salvaged, and recycled, reused,.
 2. Comply with Section 015000 "Temporary Facilities and Controls" for controlling dust and dirt, environmental protection, and noise control.

3.2 RECYCLING CONSTRUCTION WASTE, GENERAL

- A. General: Recycle paper and beverage containers used by on-site workers.
- B. Recycling Incentives: Revenues, savings, rebates, tax credits, and other incentives received for recycling waste materials shall be shared equally by the Owner and the Contractor.
- C. Preparation of Waste: Prepare and maintain recyclable waste materials according to recycling or reuse facility requirements. Maintain materials free of dirt, adhesives, solvents, petroleum contamination, and other substances deleterious to the recycling process.
- D. Procedures: Separate recyclable waste from other waste materials, trash, and debris. Separate recyclable waste by type at the Project site to the maximum extent practical.
 1. Provide appropriately marked containers or bins for controlling recyclable waste until they are removed from the Project site. Include list of acceptable and unacceptable materials at each container and bin. Inspect containers and bins for contamination and remove contaminated materials if found.
 2. Stockpile processed materials on-site without intermixing with other materials. Place, grade, and shape stockpiles to drain surface water. Cover to prevent windblown dust.

3. Stockpile materials away from construction area. Do not store within drip line of remaining trees.
4. Store components off the ground and protect from the weather.
5. Remove recyclable waste off the Owner's property and transport to recycling receiver or processor.

3.3 RECYCLING CONSTRUCTION WASTE

- A. Packaging:
 1. Cardboard and Boxes: Break down packaging into flat sheets. Bundle and store in a dry location.
 2. Polystyrene Packaging: Separate and bag materials.
 3. Pallets: As much as possible, require deliveries using pallets to remove pallets from the Project site. For pallets that remain on site, break down pallets into component wood pieces and comply with requirements for recycling wood.
 4. Crates: Break down crates into component wood pieces and comply with requirements for recycling wood.
- B. Site-Clearing Wastes: Chip brush, branches, and trees at landfill facility.
- C. Wood Materials:
 1. Clean Cut-Offs of Lumber: Grind or chip into small pieces.
 2. Clean Sawdust: Bag sawdust that does not contain painted or treated wood.
- D. Gypsum Board: Stack large clean pieces on wood pallets and store in a dry location.
 1. Clean Gypsum Board: Grind scraps of clean gypsum board using small mobile chipper or hammer mill. Screen out paper after grinding.

3.4 DISPOSAL OF WASTE

- A. General: Except for items or materials to be salvaged, recycled, or otherwise reused, remove waste materials from the Project site and legally dispose of them in a landfill or incinerator acceptable to authorities having jurisdiction.
 1. Except as otherwise specified, do not allow waste materials that are to be disposed of accumulate on-site.
 2. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.
- B. Burning: Do not burn waste materials.
- C. Disposal: Remove waste materials from Owner's property and legally dispose of them.

3.5 ATTACHMENTS

- A. Form CWM-1 for construction waste identification.
- B. Form CWM-3 for construction waste reduction work plan.
- C. Form CWM-5 cost/revenue analysis of construction waste reduction work plan.
- D. Form CWM-7 for construction waste reduction progress report.

END OF SECTION 017419

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SECTION 017700
CLOSEOUT PROCEDURES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUBSTANTIAL COMPLETION

- A. Preliminary Procedures: Before requesting inspection for determining date of Substantial Completion, complete the following. List items below that are incomplete in request.
1. Prepare a list of items to be completed and corrected (punch list), the value of items on the list, and reasons why the work is not complete.
 2. Advise the Owner of pending insurance changeover requirements.
 3. Submit specific warranties, workmanship bonds, maintenance service agreements, final certifications, and similar documents.
 4. Obtain and submit releases permitting the Owner unrestricted use of the work and access to services and utilities. Include occupancy permits, operating certificates, and similar releases.
 5. Prepare and submit Project Record Documents, operation and maintenance manuals, final Completion construction photographs, damage or settlement surveys, property surveys, and similar final record information.
 6. Deliver tools, spare parts, extra materials, and similar items to location designated by the Owner. Label with manufacturer's name and model number where applicable.
 7. If applicable, make final changeover of permanent locks and deliver keys to the Owner. Advise the Owner's personnel of changeover in security provisions.
 8. Complete startup testing of systems.
 9. Submit test/adjust/balance records.
 10. Terminate and remove temporary facilities from the Project site, along with mockups, construction tools, and similar elements.
 11. Advise the Owner of changeover in heat and other utilities.
 12. Submit changeover information related to the Owner's occupancy, use, operation, and maintenance.
 13. Complete final cleaning requirements, including, but not limited to, touchup painting.
 14. Touchup and otherwise repair and restore marred exposed finishes to eliminate visual defects.
- B. Inspection: Submit a written request for inspection for Substantial Completion. On receipt of request, the Architect will either proceed with inspection or notify the Contractor of unfulfilled requirements. The Architect will prepare the Certificate of Substantial Completion after inspection or will notify the Contractor of items, either on the Contractor's list or additional items identified by the Architect, that must be completed or corrected before certificate will be issued.
1. Request reinspection when the work identified in previous inspections as incomplete is completed or corrected.
 2. Results of completed inspection will form the basis of requirements for Final Completion.

1.3 FINAL COMPLETION

- A. Preliminary Procedures: Before requesting final inspection for determining date of Final Completion, complete the following:
1. Submit a final Application for Payment according to Section 012900 "Payment Procedures."

2. Submit certified copy of the Architect's Substantial Completion inspection list of items to be completed or corrected (punch list), endorsed and dated by the Architect. The certified copy of the list shall state that each item has been completed or otherwise resolved for acceptance.
 3. Submit evidence of final, continuing insurance coverage complying with insurance requirements.
 4. Submit pest control final inspection report and warranty.
 5. Instruct the Owner's personnel in operation, adjustment, and maintenance of products, equipment, and systems.
- B. Inspection: Submit a written request for final inspection for acceptance. On receipt of request, the Architect will either proceed with inspection or notify the Contractor of unfulfilled requirements. The Architect will prepare a final Certificate for Payment after inspection or will notify the Contractor of construction that must be completed or corrected before certificate will be issued.
1. Request reinspection when the work identified in previous inspections as incomplete is completed or corrected.

1.4 LIST OF INCOMPLETE ITEMS (PUNCH LIST)

- A. Preparation: Submit three copies of list. Include name and identification of each space and area affected by construction operations for incomplete items and items needing correction including, if necessary, areas disturbed by the Contractor that are outside the limits of construction.
1. Organize list of spaces in sequential order, starting with exterior areas first and proceeding from lowest floor to highest floor.
 2. Organize items applying to each space by major element, including, but not limited to, categories for ceiling, individual walls, floors, equipment, and building systems.
 3. Include the following information at the top of each page:
 - a. Project name.
 - b. Date.
 - c. Name of the Architect.
 - d. Name of the Contractor.
 - e. Page number.

1.5 FINAL CLEANING

- A. Responsibility: The Contractor shall be responsible for the final cleaning of the Project and for the coordination and direction of cleaning by other trades.
- B. Materials:
1. Cleaning Agents: Use cleaning materials and agents recommended by manufacturer or fabricator of the surface to be cleaned. Do not use cleaning agents that are potentially hazardous to health or property or that might damage finished surfaces.
- C. Execution:
1. Employ experienced workers or professional cleaners for final cleaning.
 2. For Substantial Completion, clean surfaces whether exposed to view or not.
 3. Remove, trash, rubbish, waste materials, tools, and equipment from the site.
 4. Remove grease, dust, dirt, plaster, mortar, fingerprints, and other foreign materials from interior and exterior surfaces exposed to view (i.e., surfaces of structural steel, miscellaneous metal, woodwork, plaster, masonry, concrete, mechanical and electrical equipment, piping, ductwork, and conduit). Polish surfaces so designated to a shine finish.
 5. Broom clean exterior paved surfaces. Rake clean other surfaces of grounds.

6. Clean the elevator shafts, electrical closets, pipe and duct shafts, chases, furred spaces, and similar spaces which are generally unfinished. Leave these spaces free from rubbish, loose plaster, mortar droppings, waste construction materials, dirt, and dust.
7. Obtain the Architect's acceptance before removing labels.
8. Employ a firm experienced in window cleaning to wash and polish glass on both sides.
9. Maintain cleaning until date of Substantial Completion or the date of partial occupancy of the building, whichever is earlier. Recleaning shall not be required after the work has been inspected and accepted, unless later operations of the Contractor make recleaning of certain portions necessary.

1.6 PROJECT RECORD DOCUMENTS

- A. Documents and Samples at the Site: Maintain at the site for the Owner a record copy of the Drawings, Specifications, addenda, bulletins, Architect's Supplemental Instructions, and change orders, in good order and marked currently to record changes and selections made during construction, and in addition, final shop drawings, product data, samples, and similar required submittals. These shall be available to the Owner and the Architect and shall be delivered to the Architect for submittal to the Owner at the time of Substantial Completion.
 1. Posting:
 - a. Project Record Drawings: Keep a complete and accurate record of the locations of concealed items indicating the work as actually installed. Changes and deviations are to be indicated on the shop drawings, and the Project Record Drawings. If shop drawings are not required for the areas where such deviations, changes, or concealed work occurs, then indicate these items on the Project Record Drawings only. Give particular attention to concealed work which would be difficult to identify, measure, and record at a later date. The Contractor, and each subcontractor, shall record concealed items, changes, and deviations under the direction of the Contractor as the work progresses. The Contractor shall clearly identify deviations from the Contract Documents.
 - b. Project Record Specifications: Indicate the changes made by addendum, bulletin, Architect's Supplemental Instructions, and change order. Indicate the manufacturer selected for items whether specified proprietarily or generically.
 - c. Project Record Submittals: Product data shall be manufacturer's original printed material. Indicate changes and deviations on the shop drawings. The Contractor, and each subcontractor, shall record changes and deviations under the direction of the Contractor as the work progresses.
 2. Certification: The Contractor, and each subcontractor, shall certify, by endorsement on the Project Record Drawings that each of the revised sheets represents a complete and accurate record of the work as executed.
- B. Submittal Requirements:
 1. At the time of Substantial Completion transfer notations from the Project Record Drawings to a set of reproducible transparencies paid for by the Contractor. Submit the Project Record Drawings, Project Record Specifications, and Project Record Submittals to the Architect for transfer to the Owner. Submit documents in suitable transfer cases indexed and marked for each division of the work.
 2. No receipt or review of Project Record documents by the Owner or the Architect shall be a waiver of deviations from the Contract Documents or the submittals, or in any way relieve the Contractor from his responsibility to perform the work in accordance with the Contract Documents.
 3. Final payment is contingent upon receipt of the complete and up-to-date Project record documents and required certifications.

1.7 OPERATION AND MAINTENANCE DATA

- A. Manual:
 - 1. Assemble a manual bound in hard cover binders, presenting for the Owner's guidance full details for care and maintenance of visible surfaces and of equipment included in the work.
 - a. Organize manual into suitable sets of manageable size. Bind properly indexed data in individual heavy duty 2 inch, three-ring vinyl-covered binders, with pocket folders for folded sheet information. Mark appropriate identification on front and spine of each binder.
 - 2. Include manufacturer's literature relating to motors and other equipment, catalog cuts, parts lists, wiring diagrams, instruction sheets, and other pertinent information which will be useful to the Owner in overall operation and maintenance.
 - 3. Include a list of installers and service representatives with company names and addresses, names of individuals to contact, and telephone numbers.
 - 4. Include manuals called for in other sections of the Specifications, in this manual.
- B. Certifications: The Contractor and each subcontractor shall certify, by endorsement of the manual, that the manual is complete and accurate.
- C. Substantial Completion submit three copies of the manual to the Architect for transfer to the Owner. Submit documents in suitable transfer cases indexed and marked for each division of the work.

1.8 WARRANTIES

- A. Forms:
 - 1. Special Warranties: Use a copy of the form bound herein, fill it out completely, sign it, and have it countersigned by the Installer and manufacturer if required by the Contract Documents.
 - 2. Manufacturer's Warranties: Provide manufacturer's warranty, modified when required to comply with requirements of the Contract Documents.
- B. Starting Date: The starting date for warranties shall be the date of Substantial Completion of the work.
- C. Submittals: At the time of Substantial Completion submit warranties, including, but not limited to, special warranties, required by the Contract Documents to the Architect for transfer to the Owner.
- D. System Warranties: Warranty systems, equipment, materials, and workmanship to be free from defects for a period of one year from the date of Substantial Completion, unless otherwise specified. Replace or repair the work which may prove defective or not in compliance with the Drawings and the Specifications without additional cost to the Owner and without interference with the Owner's operations.

1.9 STATEMENTS OF APPLICATION

- A. At the time of Substantial Completion, submit fully executed Statements of Application on the form bound herein.

1.10 CERTIFICATES OF OCCUPANCY

- A. If the law of the place where the Project is located requires either a temporary or a permanent certificate of occupancy, then obtain and pay for such certificate(s) and at the time of Substantial Completion submit them to the Architect for transfer to the Owner.

1.11 SERVICE AND MAINTENANCE CONTRACTS

- A. At the time of Substantial Completion submit executed contracts for extended service or maintenance required by the Contract Documents to the Architect for transfer to the Owner.
- B. Extended maintenance proposals where called for in the Specification shall be submitted with the proposals for each trade at the time their portion of the work is bid. Furnish copies of the maintenance proposal to the Owner and the Architect for review prior to award of the subcontract for each portion of work.

1.12 TRAINING OF OPERATING PERSONNEL

- A. Provide the services of a competent supervisor or technician employed by the manufacturer to instruct the Owner's personnel in the operation of each type of system. Include not less than one full working day for each system with a minimum of 40 hours for all systems. Where required by individual sections of these Specifications, provide the services of factory-trained specialists to instruct the Owner's personnel in the operation of special systems. Include a minimum time for instruction as required under that Specification section.
- B. Before turning equipment over to the Owner, thoroughly test equipment provided or installed and thoroughly instruct the Owner in its proper operation and maintenance.

1.13 EXTRA MATERIALS

- A. Deliver extra materials to the Owner. Furnish extra materials that match products installed as described in individual Specification sections. Package extra materials in manufacturer's original packaging with protective covering as required for storage, and identify with labels clearly describing contents. Provide quantity of extra materials as specified in applicable Specification sections.

PART 2 - PRODUCTS (Not Applicable)

PART 3 - EXECUTION (Not Applicable)

END OF SECTION 017700

SPECIAL WARRANTY

TO: Stormont Hospitality Group, LLC
3350 Riverwood Parkway, Suite 1590
Atlanta, Georgia 30339

North American Properties
264 19th Street, NW, Suite 2200
Atlanta, Georgia 30362

CONTRACTOR: <Name of Contractor>
<Address>
<City, State Zip>

PROJECT: Alpharetta Conference Center and Hotel at Avalon
Alpharetta, Georgia.
Project No. 20130026

1. The Special Warranties given hereunder relate to the work specified in [insert number(s) and title(s) of Section(s) where work is specified] _____ of the Contract between the Owner and the Contractor dated _____.
2. For a period of _____ years, the undersigned agrees to promptly correct, after receipt of written notice from the Owner to do so, at no cost to the Owner, those aspects of the work (either materials or workmanship, or both) which it has warranted hereunder and which are found to be defective or not in accordance with the said Contract.
3. The undersigned further agrees and acknowledges:
 - A. That the Special Warranties given hereunder are in addition to any and all other rights and remedies of the Owner.
 - B. That the undersigned shall be fully obligated under this Special Warranty regardless of whether any or all of the other parties, space for whose signatures has been reserved below, have or have not signed this Special Warranty.
 - C. That the Owner shall have the right to enforce the terms of this Special Warranty against the undersigned notwithstanding the fact that there may be other parties who are also obligated hereunder.

The undersigned Contractor hereby warrants to the Owner that the above referenced work is in accordance with the terms of the Contract and is free from faults and defects in materials and workmanship.

Sworn to me and subscribed
before me, this _____
day of _____,

Notary Public

For _____
Contractor

Contractor's address

By _____
Position _____

The undersigned Installer hereby warrants to the Owner that the above referenced work is in accordance with the terms of the Contract and is free from faults and defects in materials and workmanship.

Sworn to me and subscribed
before me, this _____
day of _____,

Notary Public

For _____
Installer

Installer's address

By _____
Position _____

The undersigned manufacturer hereby warrants to the Owner that the above referenced work is in accordance with the terms of the Contract and is free from faults and defects in materials, and certifies that the materials were installed according to the manufacturer's instructions and specifications.

Sworn to me and subscribed
before me, this _____
day of _____,

Notary Public

For _____
Manufacturer

Manufacturer's address

By _____
Position _____

END OF FORM

STATEMENT OF APPLICATION

PROJECT: Alpharetta Conference Center and Hotel at Avalon

LOCATION: Alpharetta, Georgia

Owner: Stormont Hospitality Group, LLC Architect: Cooper Carry
3350 Riverwood Parkway, Suite 1590 191 Peachtree Street, NE, Suite 2400
Atlanta, Georgia 30362. Atlanta, Georgia 30303

North American Properties 264
19th Street, NW, Suite 2200
Atlanta, Georgia 30362

SPECIFICATION REFERENCES: _____

STATEMENT: The Undersigned hereby state that the installation was made in compliance with the Contract Documents, the manufacturer's instructions, and any additional requirements furnished by the manufacturer and recorded in the Contractor's minutes of the preinstallation and prefabrication conferences.

EXCEPTIONS: (Agreed upon with the Owner and the Architect prior to installation.)

CONTRACTOR: _____ Date: _____

By: _____
(signed) (printed)

INSTALLER: _____ Date: _____

By: _____
(signed) (printed)

OTHER: _____ Date: _____

By: _____
(signed) (printed)

END OF FORM