



**DESIGN & CONSTRUCTION GROUP
THE GOVERNOR NELSON A. ROCKEFELLER
EMPIRE STATE PLAZA
ALBANY, NY 12242**

ADDENDUM NO. 5 TO PROJECT NO. 46194

**CONSTRUCTION, HVAC, PLUMBING AND ELECTRICAL WORK
PROVIDE STATION BUILDING
STATE POLICE
NY STATE ROUTE 295
CHATHAM, NY**

April 25, 2024

NOTE: This Addendum forms a part of the Contract Documents. Insert it in the Project Manual. Acknowledge receipt of this Addendum in the space provided on the Bid Form.

CONSTRUCTION WORK SPECIFICATIONS

1. SECTION 079200 JOINT SEALERS: Discard the Section bound in the Project Manual and substitute the accompanying Section (pages 079200-1 thru 079200 – 5) noted “Revised 4/19/2024”.
2. SECTION 085605 SPECIALTY WINDOWS: Discard the Section bound in the Project Manual and substitute the accompanying Section (pages 085605 – 1 thru 085605 – 5) noted “Printed 4/25/2024”.

APPENDIX – CONSTRUCTION WORK

3. Schedule of Submittals: Discard the Document bound in the Project Manual and substitute the accompanying Document (Page 01 thru Page 18) noted “Printed 4/25/2024”.

DRAWINGS

5. Drawing No. H-100 PASSIVE SUB-SLAB DEPRESSURIZATION SYSTEM:
 - a. Title Block: change “PLUMBING” to read “CONSTRUCTION”
Drawing changed from a PLUMBING drawing to a CIVIL drawing.
Note that all work on this sheet is part of the CONSTRUCTION WORK contract with the exception of items that are described for the PLUMBING WORK contract.

END OF ADDENDUM

Brady Sherlock, P.E.
Director, Division of Design
Design & Construction

SECTION 079200

JOINT SEALERS

PART 1 GENERAL

1.01 RELATED WORK SPECIFIED ELSEWHERE

- A. Glazing Sealants: Section 088100.

1.02 SUBMITTALS

- A. Product Data: Catalog sheets, specifications, and installation instructions for each product specified except miscellaneous materials.
- B. Samples:
 - 1. Sealants: Color sample panel.
- C. Quality Control Submittals:
 - 1. Installer's Qualifications Data: Affidavit required under Quality Assurance Article.
 - 2. Company Field Advisor Data: Name, business address, and telephone number of Company Field Advisor.

1.03 QUALITY ASSURANCE

- A. Installer's Qualifications: The persons installing the sealants and their supervisor shall be personally experienced in the installation of sealants and shall have been regularly employed by a company engaged in the installation of sealants for a minimum of two years.
 - 1. Furnish to the Director the names and addresses of five similar projects which the foregoing people have worked on during the past two years.
 - 2. Furnish a letter from the sealant manufacturer, stating that the foregoing people are authorized to install the manufacturer's sealant materials and that the manufacturer's specifications are applicable to the requirements of this Project.
- B. Container Labels: Include manufacturer's name, trade name of product, kind of material, federal specification number (if applicable), expiration date (if applicable), and packaging date or batch number.
- C. Test and validate sealants used for exterior weathersealing per the Sealant Waterproofing Restoration Institute (SWRI).
- D. Warranties:
 - 1. Silicone sealants: 20 years Weatherseal Warranty.
 - 2. Polyurethane or Silicone: 5 year Weatherseal Warranty.
 - 3. Sealants for Granite, Marble and Limestone: 20 year Non-Stain Warranty.

1.04 PROJECT CONDITIONS

- A. Environmental Requirements:
 - 1. Temperature: Unless otherwise approved or recommended in writing by the sealant manufacturer, do not install sealants at temperatures below 40 degrees F or above 85 degrees F for non silicone sealants and below minus 20 degrees F or above 125 degrees F for silicone sealants.
 - 2. Humidity and Moisture: Do not install the Work of this section under conditions that are detrimental to the application, curing, and performance of the materials.
 - 3. Ventilation: Provide sufficient ventilation wherever sealants, primers, and other similar materials are installed in enclosed spaces. Follow manufacturer's recommendations.
- B. Protection:
 - 1. Protect all surfaces adjacent to sealants with non-staining removable tape or other approved covering to prevent soiling or staining.
 - 2. Protect all other surfaces in the Work area with tarps, plastic sheets, or other approved coverings to prevent defacement from droppings.

PART 2 PRODUCTS

2.01 SEALANTS

- A. Type 1 Sealant:
 - 1. One-part, non-sag polyurethane sealant
 - a. Bostik Inc.; Chem-Calk 900
 - b. Pecora Corporation; Dynatrol I-XL
 - c. Sika Corporation; Sikaflex 1a
 - d. BASF Corporation, Construction Systems; MasterSeal NP 1
 - e. Tremco Incorporated; Dymonic
- B. Type 1D Sealant: One-part, mildew resistant silicone sealant;
 - 1. Dow Corning Corp; Dow Corning 786
 - 2. Pecora Corp; 898 Sanitary Silicone
 - 3. Momentive Performance Materials; Sanitary SCS 1700
 - 4. Sika Corp; Sikasil-GP
- C. Type 2 Sealant: ASTM C 834, One-part acrylic latex sealant
 - 1. Pecora Corp; AC-20
 - 2. Sika Corp; Sika Bondaflex Sil-A 700
 - 3. Tremco Inc; Tremflex 834
- D. Type 3 Sealant: One-part butyl rubber sealant
 - 1. Pecora Corp BC-158
 - 2. Bostik Chem-Calk 300 (not SWRI)
 - 3. Tremco Inc; Tremco Butyl Sealant
- E. Sealant Colors: For exposed materials provide color as indicated or, if not indicated, as selected by the Director from manufacturer's standard colors. For

concealed materials, provide the natural color which has the best overall performance characteristics.

F. Type 1A Sealant:

1. For Horizontal Joints: Two-part, self-leveling silicone or polyurethane sealant for traffic bearing construction; Bostik Chem-Calk 550 (not SWRI), Tremco Vulkem 255, Pecora Urexpam NR-200, Pecora Silicone 310SL, Bostik Chem-Calk 550, Dow Corning Parking Structure Sealant FC or SL, Dow Corning Contractors Concrete Sealant, Sikaflex 2c SL

2. For Vertical Joints: Two-part, non-sag silicone or polyurethane sealant; Bostik Chem-Calk 500 (not SWRI), Tremco Vulkem 227, Pecora Dynatrol II, Pecora Silicone 311NS, Dow Corning Parking Structure Sealant NS, Dow Corning CCS, Sikaflex 2c NS EZ.

2.02 JOINT FILLERS

- A. Cork Joint Filler: Resilient, non-extruding type pre-molded cork units; ASTM D 1752, Type II.
- B. Closed Cell Polyurethane Joint Filler: Resilient, compressible, semi-rigid; W.R. Meadows Ceramar or A.C. Horn Closed Cell Plastic Foam Filler, Code 5401.

2.03 GASKETS

- A. Hollow Neoprene Gasket: Hollow or compartmentalized neoprene extrusion, designed to withstand compression to 40 percent of normal width without extrusion from joint, and with full recovery; heavy, durable top member, suitable for long-term exposure to weather and traffic, hardness of 55 Shore A; ASTM D 2628.
- B. Adhesive Closed-Cell PVC Gasket: Closed-cell, flexible, self adhesive, non-extruding, polyvinylchloride foam gaskets; ASTM D 1667.

2.04 MISCELLANEOUS MATERIALS

- A. Joint Primer/Sealer/Conditioner: As recommended by the sealant manufacturer for the particular joint surface materials and conditions.
- B. Backer Rod: Compressible rod stock of expanded, extruded polyethylene.
- C. Bond Breaker Tape: Polyethylene or other plastic tape as recommended by the sealant manufacturer; non-bonding to sealant; self adhesive where applicable.
- D. Cleaning Solvents: Oil free solvents as recommended by the sealant manufacturer. Do not use re-claimed solvents.
- E. Masking Tape: Removable paper or fiber tape, self-adhesive, non-staining.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine all joint surfaces for conditions that may be detrimental to the performance of the completed Work. Do not proceed until satisfactory corrections have been made.

3.02 PREPARATION

- A. Clean joint surfaces immediately before installation of sealant and other materials specified in this Section.
 - 1. Remove all loose materials, dirt, dust, rust, oils and other foreign matter that will impair the performance of materials installed under this Section.
 - 2. Remove lacquers, protective coatings and similar materials from joint faces with manufacturer's recommended solvents.
 - 3. Do not limit cleaning of joint surfaces to solvent wiping. Use methods such as grinding, acid etching or other approved and manufacturer's recommended means, if required, to clean the joint surfaces, assuring that the sealant materials will obtain positive and permanent adhesion.
 - 4. When applying Type 7 Sealant around the perimeter of s.s. floor grates or similar materials, roughen metal edges with sandpaper or light grinding to increase adhesion of sealant.
- B. Set joint fillers at proper depth and position as required for installation of bond breakers, backer rods, and sealants. Do not leave voids or gaps between the ends of joint filler units.
 - 1. Smooth Edged Joints: For joints between two concrete slabs or where new concrete abuts smooth edged materials use either cork joint filler or closed cell polyurethane joint filler.
 - 2. Irregular Edged Joints: For joints where new concrete abuts granite curbs or other irregular edges use closed cell polyurethane joint filler.
- C. Priming Joint Surfaces:
 - 1. Prime joints of friable (crumbly, chalky) masonry surfaces which are to receive Type 1 Sealant.
 - 2. Prime joints other than those above if so recommended by the manufacturer's printed instructions.
 - 3. Do not allow the primer/sealer to spill or migrate onto adjoining surfaces.

3.03 JOINT BACKING INSTALLATION

- A. Install bond breaker tape in relaxed condition as it comes off the roll. Do not stretch the tape. Lap individual lengths.

- B. Install backer rod of sufficient size to fill the joint width at all points in a compressed state. Compress backer rod at the widest part of the joint by a minimum of 25 percent. Do not cut or puncture the surface skin of the rod.

3.04 SEALANT INSTALLATION

- A. Except as shown or specified otherwise, install sealants in accordance with the manufacturer's printed instructions.
- B. Install sealants with ratchet hand gun or other approved mechanical gun. Where gun application is impractical, install sealant by knife or by pouring as applicable.
- C. Types 2 Sealants: If low temperature makes application difficult, preheat sealants using manufacturer's recommended heating equipment.
- D. Finishing: Tool all vertical, non-sag sealants so as to compress the sealant, eliminating all air voids and providing a neat smoothly finished joint. Provide slightly concave joint surface, unless otherwise indicated or recommended by the manufacturer.
 - 1. Use tool wetting agents as recommended by the sealant manufacturer.

3.06 CLEANING

- A. Immediately remove misapplied sealant and droppings from metal surfaces with solvents and wiping cloths. On other materials, remove misapplied sealant and droppings by methods and materials recommended in writing by the manufacturer of the sealant material.
- B. After sealants are applied and before skin begins to form on sealant, remove all masking and other protection and clean up remaining defacement caused by the Work.

END OF SECTION

SECTION 085605

SPECIALTY WINDOWS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Bullet resistant products of the following types:
 - 1. Transaction windows.

1.02 RELATED SECTIONS

- A. Section 061000 - Rough Carpentry.

1.03 REFERENCES

- A. American National Standards Institute (ANSI): 1. ANSI Z97.1 - Safety Glazing Materials Used in Buildings - Safety Performance Specifications and Methods of Test.
- B. ASTM International (ASTM):
 - 1. ASTM C920 - Standard Specification for Elastomeric Joint Sealants.
 - 2. ASTM C1036 - Standard Specification for Flat Glass.
 - 3. ASTM C1172 - Standard Specification for Laminated Architectural Flat Glass.
 - 4. ASTM C1349 - Standard Specification for Architectural Flat Glass Clad Polycarbonate.
 - 5. ASTM D2000 - Standard Classification System for Rubber Products in Automotive Applications.
 - 6. ASTM E84 - Test method for the Surface Burning Characteristics of Building Materials.
 - 7. ASTM E119 - Standard Test Methods for Fire Tests of Building Construction and Materials.
- C. American Welding Society (AWS): AWS D1.1 - Structural Welding Code - Steel.
- D. National Institute of Justice (NIJ): NIJ Standard 0108.01 - Standard for Ballistic Resistant Protective Materials.
- E. Underwriters Laboratories (UL):
 - 1. UL 752 - Standard for Bullet Resisting Equipment. (September 5th, 2005)
 - 2. UL 972 - Standard for Burglary Resisting Glazing Material.

1.04 SUBMITTALS

- A. Submit under provisions of Section 01 30 00 - Administrative Requirements.
- B. Product Data:
 - 1. Manufacturer's data sheets on each product to be used.
 - 2. Preparation instructions and recommendations.
 - 3. Storage and handling requirements and recommendations.
 - 4. Installation methods.

- C. Shop Drawings:
 - 1. Submit shop drawings prepared by the manufacturer showing plans, sections, elevations, layouts, profiles and product component locations, including anchorage, bracing, fasteners, accessories and finishes.
 - 2. Include dimensioned elevation of each type opening assembly in project; indicate sizes and locations of hardware, and lites if specified.
 - 3. Schedule: Indicate each opening assembly in project; cross-referenced to plans, elevations, and details.
- D. Design Data: Bullet resistance analysis design calculations for specific project conditions, certifying system conformance to specified performance requirements.
- E. Test Reports: Certified test reports showing compliance with specified performance characteristics and physical properties.
- F. Closeout submittals: Warranty documents, issued and executed by manufacturer of systems, countersigned by Contractor.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products of the type specified with a minimum documented experience of five years.
- B. Installer Qualifications: Company specializing in installation of products specified with minimum three years documented experience.
- C. Coordination of Work: Coordinate layout and installation of components with other construction supported by, or penetrating through, ceilings, including light fixtures, HVAC equipment, fire-suppression system, and partitions.
- D. Coordination: Bullet resistant protection shall be provided in the sizes and in the configuration indicated on the Drawings. Furnish hardware necessary for the joining of the components specified. Provide components complete with adhesives, fasteners, and other devices required for complete assembly.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials in manufacturer's unopened, undamaged packaging, with manufacturer's labels intact.
- B. Remove wraps or covers from doors and frames upon delivery at the building site. Clean and touch-up scratches or disfigurement caused by shipping or handling promptly.
- C. Store products in manufacturer's unopened packaging until ready for installation. Store assemblies, off the ground and on end, to prevent damage to face corners and edges. Store assemblies covered to protect them from damage but permitting air circulation.

1.07 SEQUENCING

- A. Ensure that locating templates and other information required for installation of products of this section are furnished to affected trades in time to prevent interruption of construction progress.

1.08 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.

1.09 WARRANTY

- A. Manufacturer's Standard Warranty: 5 years from date of manufacture.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Acceptable Manufacturer: Total Security Solutions, which is located at: 935 Garden Ln.; Fowlerville, MI 48836; Toll Free Tel: 866-304-5070; Fax: 517-223-0805; Email: [request info \(info@tssbulletproof.com\)](mailto:info@tssbulletproof.com); Approved equal products are permitted.

2.02 BULLET RESISTANT TRANSACTION WINDOWS

- A. Baffle Design Transaction Barrier Window with Natural Voice Communication:
 - 1. Model TSSBDT-60 as manufactured by Total Security Solutions.
 - 2. Baffle Window Assembly: Two-way 'natural voice' communication permitted by design of vision panels and offset vertical side baffles and acrylic spacers.
 - 3. Fabrication: Components factory cut to size with holes factory drilled and tapped where required.
 - 4. Edges of Glazing: Polished.
 - 5. Anchor Supports: Aluminum.
 - 6. Fasteners: Stainless steel.
 - 7. Height and Width: As indicated on the Drawings.
 - 8. Configuration: As indicated on the Drawings.
 - 9. Head and Sill Anchor Supports: Extruded anodized aluminum angles and channels.
 - 10. Side Jamb Anchor Supports: Extruded anodized aluminum angles, 1-1/4 by 1-1/4 by 1/8 inch (32 by 32 by 6 mm).
 - 11. Baffles: To match glazing type.
 - 12. Glazing Protection Level (UL 752): Level 2.
 - 13. Glazing Type: Coated Acrylic.
 - 14. Deal Tray:
 - a. Product: Model TSSDT1610 as manufactured by Total Security Solutions.
 - b. Dimensions: 16 inches by 10 inches (406 mm by 254 mm) from the outside edge of flanges.
 - c. Clear Open Depth Under Glazing: Greater than 1-1/2 inches (38 mm).
 - d. Construction: Minimum 16 gauge (1.5 mm) stainless steel, with a No. 4 finish.
 - 15. Finish: Dark Bronze Anodized Finish: NAAMM AA-M21C22A41, (minimum thickness of 0.7 mils)

2.03 BULLET RESISTANT ALUMINUM WINDOWS

- A. Fixed Aluminum Windows: Total Security Solutions Model preassembled design.
 - 1. Frame Design: Fixed frame design.
 - 2. Overall Size and Configuration: As indicated on the Drawings.
 - 3. Adjustable Split Frame: Anodized 6063-T6 extruded aluminum with internal bullet resistant composite as required for protection level specified. Provide with matching 1

inch by 1 inch (25 mm by 25 mm) removable glazing stop.

- a. Frame to conform to UL 752 of the following protection level.
 - 1) Protection Level: 2.
- 4. Glazing: Top and bottom edge of the glazing to be capped with a minimum 20 gauge (0.912 mm) with a No. 4 finish.
 - a. Glazing to conform to UL 752 of the following protection level.
 - 1) Protection Level: 2.
 - b. Glazing Type: Coated Acrylic.
- 5. Finish: Dark Bronze Anodized Finish: NAAMM AA-M21C22A41, (minimum thickness of 0.7 mils).

2.04 BULLET RESISTANT SPEAKERS

- A. Universal Bullet Resistant Speaker: Model TSS-MK1, stainless steel speaker face and clamp plate with a No. 3 finish. Provided with 1/4 inch diameter stainless steel screws and space nuts to maintain clearance.
 - 1. Size: 6 inch (152 mm) diameter.

2.05 BULLET RESISTANT AND DETENTION GLAZING

- A. Bullet Resistant Glazing
 - 1. Performance: UL 752, UL-2 (HPSA) .375 Mag. 158 Gr. Sp or Lead 1250-1375 fps:
 - a. AR Level 2: Acrylic coated, nominal thickness 1 3/8 inch (35 mm), nominal weight 8.5 lbs/SF.

2.06 FABRICATION

- A. Welds in accordance with requirements and standard practices of the American Welding Society. Exposed welds shall be ground flush and finished smooth.
- B. Joints and connections shall be tight, providing hairline joints and true alignment of adjacent members.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Do not begin installation until openings and installing surfaces have been properly prepared.
 - 1. Verify openings are in accordance with approved shop drawings.
 - 2. Verify that supports have been installed in accordance with the Drawings.
- B. If preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.02 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.03 INSTALLATION

- A. Install products in accordance with approved submittals, manufacturer's instructions and requirements of UL 752.
 - 1. Install equipment plumb, level, rigid and in true alignment.
 - 2. Use proper anchoring devices. Exposed anchor holes shall be used for anchors.
 - 3. Install hardware as required for a complete installation.
 - 4. Where applicable, install fire-rated assemblies in accordance with NFPA 80.
 - 5. Adjust operating parts for proper operation, non-binding.

- B. Installation Tolerances: Do not exceed the following installation tolerances:
 - 1. Squareness: Plus or minus 1/16 inch (1.6 mm) measured on a line, 90 degrees from one jamb, at the upper corner of the frame at the other jamb.
 - 2. Alignment: Plus or minus 1/16 inch (1.6 mm) measured on jambs on a horizontal line parallel to the plane of the wall.
 - 3. Twist: Plus or minus 1/16 inch (1.6 mm) measured at face corners of jambs on parallel lines perpendicular to the plane of the wall.
 - 4. Plumb: Plus or minus 1/16 inch (1.6 mm) measured on the jamb at the floor.

3.04 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION



SCHEDULE OF SUBMITTALS									
PROJECT NO.: 46194-C									
SUBMITTALS FOR APPROVAL					Send to:	Critical Submittals	Contractor's Projected Dates Allow at least 4 weeks for Approval (allows time for any resubmission)		
Spec Section	Sub Section	Type	Description	F	Mark "X" for all that apply	Projected Transmittal Date:	Projected Approval Date:	Projected Delivery Date:	
				F/O					
				D					
				S					
007213 GENERAL CONDITIONS									
007213		PD	ARTICLE 6: Designate in writing competent supervision and/or management representatives as required - include contact number in case of an emergency after work hours, including weekends and holidays (see 011000 Summary of Work)	F	X				
007213		PD	ARTICLE 8: Permits and licenses	F	X				
011100 SAFETY									
011100		QCS	Site Specific Safety Plan	RSM					
011100		QCS	Employee Safety Orientation Training and Certificates	RSM					
011100		QCS	Accident Reporting	RSM					
013000 ADMINISTRATIVE REQUIREMENTS									
013000		QCS	Contractor's list of subcontractors-suppliers		X				
013000		QCS	Project Schedule CPM activity breakdown		X				
013001		QCS	Preliminary Project Schedule		X				
013000		QCS	Detailed Estimate		X				
013113 PROJECT PLANNING & SCHEDULING									
013113		QCS	Preliminary Project Schedule - REMOVE NOT IN SPEC SECTION. USE SPEC SECTION 013000.		X				
013113		QCS	Baseline Project Schedule		X				
013300 SUBMITTALS									
013300		PD	Schedule of Submittals	F	X				
013300		QCS	Submittal Coordinator Qualifications	F/O	X				
014339 MOCKUP REQUIREMENTS									
014339		SD	Mockup Plan: Detailed, dimensioned plans and elevations.	F					
015000 CONSTRUCTION FACILITIES & TEMP CONTROLS									
015000		SD	Location of Field Office, temp utilities, portable toilets, connections, accessible stairs (Dwg C-100)		X				
015000		PD	All Field Office furnishings & equipment		X				
017123 FIELD ENGINEERING									
017123		PD	Submit the name, address, telephone number, and registration number of the Land Surveyor before starting the survey work	F					
017123		PD	On request, submit documentation verifying accuracy of survey work	F					
017123		CCS	Upon completion of the Work, submit a certificate signed and sealed by the Land Surveyor, stating that the elevations and locations of the Work are in conformance with the Contract Documents	F					
017123		CCS	Record location data for control points in sketch form and turn over 6 copies of sketches and computations to the Director's Representative	F					
017123		CCS	Submit Record Documents	F					

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Spec Section	Sub Section	Type	Description			F	F/O	D	S	Mark "X" for all that apply	Projected Transmittal Date:	Projected Approval Date:
017716 Contract Closeout												
017716			Project Record Documents									
017716			Operation & Maintenance Data									
017716			Warranties									
017716			Spare Parts & Maintenance Materials									
031100 CONCRETE FORMWORK												
031100		PD	Form systems and ties	D								
032100 STEEL CONCRETE REINFORCEMENT												
032100		SD	Placing drawings for bar reinforcement	D								
032100		SAM	Bar supports, fabric reinforcement, fabric reinforcement supports, reed clips.	D								
032100		EPD	Environmental Product Declaration	F								
032100		QCS	Certificates: Affidavit required under Quality Assurance Article	D								
033000 CAST-IN-PLACE CONCRETE												
033000		PD	Mix Design	D								
033000		PD	Portland Cement	D								
033000		PD	Fly Ash	D								
033000		PD	Air-entraining Admixture	D								
033000		PD	Water-reducing Admixture	D								
033000		PD	High Range Water-reducing Admixture (Superplasticizer)	D								
033000		PD	Accelerating Admixture	D								
033000		PD	Aggregates	D								
033000		PD	Chemical Curing and Anti-Spalling Compound	D								
033000		PD	Bonding Agent (Adhesive)	D								
033000		PD	Expansion Joint Fillers	D								
033000		PD	Waterstop	D								
033000		EPD	Environmental Product Declaration	F								
033000		QCS	Batching Plant Records	D								
033000		QCS	Concrete Pumping Equipment Data	D								
033000		QCS	Minutes of the previous pre-installation conference	D								
040513 MORTAR AND MASONRY GROUT												
042113		PD	Air vents									
042113		PD	Weep vents									
042113		PD	Masonry wall mortar net									
042113		PD	Horizontal wall reinforcement									
042113		PD	Wall ties									
042113		PD	Cleaning agents									
040513		PD	Portland Cement	D								
040513		PD	Masonry Cement	D								
040513		PD	Lime	D								
040513		PD	Sand(s)	D								
040513		PD	Color Pigments	D								
042113 BRICK MASONRY												
042113		SAM	Facing Brick	D								
042113		SAM	Adjustable Wall Ties	D								
042113		SAM	Flexible Anchors	D								
042113		SAM	Corrugated Wall Ties	D								

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Spec Section	Sub Section	Type	Description	F F/O D S	Mark "X" for all that apply	Projected Transmittal Date:	Projected Approval Date:	Projected Delivery Date:
042113		QCS	Certified test reports for each type of brick	D				
042200 CONCRETE UNIT MASONRY								
042200		PD	Masonry Wall Reinforcement	D				
042200		PD	Masonry Units	D				
042200		PD	Control Joint Filler	D				
042200		PD	Weep Holes	D				
042200		SAM	Architectural units for color selection	D				
042200		QCS	Concrete Masonry Unit Test Reports	D				
042200		QCS	Bar reinforcement manufacturer's certification	D				
044301 CUT STONE								
044301		SD	Setting and detail drawings showing dimensions, sections, jointing, anchoring, and setting number of each stone.	D				
044301		PD	Granite	D				
044301		PD	Anchors	D				
044301		PD	Stone Cleaner	D				
044301		SAM	Granite	D				
055000 METAL FABRICATIONS (Broadscope)								
055000		SD	Application to Project: Locate anchor bolts required for installation in other Work	D				
055000		SD	Application to Project: Indicate shop and field welds by standard AWS welding symbols in accordance with AWS A2.4.	D				
055000		PD	Fixed Ladders	D				
055000		PD	Loose Bearing Plates	D				
055000		PD	Loose Lintels	D				
055000		PD	Shelf Angles	D				
055000		EPD	Environmental Product Declaration	F				
055000		QCS	Certificates: Copy required under Quality Assurance Article	D				
061000 ROUGH CARPENTRY								
061000		QCS	Certificates: Pressure Treatment	D				
061753 WOOD TRUSSES								
061753		SD	Include truss framing plans, truss elevations, locations and details of connector plates, bearing and anchorage details, bracing and connection details, species and grades of lumber, and connections required for the support of other Work.	D				
061753		QCS	Design Data: Connector plate evaluation information	D				
061753		QCS	Design Data: Lumber design values	D				
061753		QCS	Design Data: Design calculations stamped and signed by a licensed Professional Engineer	D				
061753		QCS	Wood Treatment Certification(s)	D				
061800 GLUED LAMINATED CONSTRUCTION								
061800		SD	Early Submission: Drawings of proposed job standards for shop and field connections, Erection drawings indicating sizes and locations of all members, Anchor bolt and bearing plate plans	D				
061800		SD	Submit detail drawings, other than for anchor bolts and bearing plates, after approval of the job standards and the erection drawings.	D				

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061800		PD	Glued laminated members	D				
061800		PD	Metal Connectors	D				
061800		PD	Bolts	D				
061800		SAM	Typical Laminated Member	D				
061800		SAM	Factory Finish(s)	D				
061800		QCS	Certificates: Affidavits required under Quality Assurance Article					
061800		QCS	Manufacturer's Qualifications Data					
061800		QCS	Erector's Qualifications Data					
062000			FINISH CARPENTRY					
062000		SAM	Transparent Finish	D				
064000			ARCHITECTURAL WOODWORK					
064000		SD	Show fabrication details and connections to adjacent Work	D				
064000		PD	Plastic Laminate, hardware items	D				
064000		PD	Closet Rods	D				
064000		PD	Adjustable Shelf Pilaster Standards and Supports	D				
064000		SAM	Plastic Laminate	D				
064000		QCS	Provide data and identify each composite wood and agrifiber products installed in the building interior and document that it does not have any added urea-formaldehyde.	D				
064000		QCS	Maintenance Data: Submit manufacturer's care and maintenance data for care, repair and cleaning.	D				
064000		QCS	Qualification Data for Fabricator.	D				
064443			COLUMN COVERS					
064443		SD	Fabrication plans, sections and details	D				
064443		QCS	Installation Instructions					
064443		CCS	Maintenance data					
064443		CCS	Warranty information					
066000			SOLID PLASTIC FABRICATIONS					
066000		SD	Fabrication Details and Connection	D				
066000		PD	Solid Plastic Panels	D				
066000		SAM	Solid Plastic Panels	D				
066000		QCS	Qualifications Certificates					
066000		CCS	Maintenance Data: Deliver 2 copies	F				
072100			BUILDING INSULATION					
072100		PD	Rigid (Board) Insulation: Extruded polystyrene thermal insulation boards; ASTM C 578, Type IV, manufactured with CFC-free blowing agents	D				
072100		PD	Mineral Fiber Insulation: Glass or other inorganic fibers and resinous binders formed into flexible blankets, batts or rolls; ASTM C 665.	D				
072100		PD	Loose Cellulose Fiber Insulation: Chemically treated cellulosic or wood fiber loose fill thermal insulation; ASTM C 739	D				
072100		PD	Adhesive for Bonding Insulation					
072100		PD	Mechanical Anchors	D				
072100		PD	Vapor Barrier	D				

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072100		PD	Inatallation instructions	D				
072100		SAM	Rigid Type	D				
072100		SAM	Loose Type	D				
072100		QCS	Certificate Affidavit required under Quality Assurance Article					
072400			EXTERIOR INSULATION AND FINISH SYSTEM					
072400		PD	For each EIFS component, trim, and accessory, including water-resistive barrier coatings.	D				
072400		SD	Show locations of control joints, details of treatment at trim pieces, intersections, changes in planes, changes in Systems, and openings	D				
072400		SD	Parapet Cap Flashing	D				
072400		SAM	Color Samples	D				
072400		SAM	Finished Sample	D				
072400		QCS	Manufacturer Certificates	D				
072400		QCS	Certificate: Affidavit required under Quality Assurance Article	D				
072400		QCS	Produce Test Reports	D				
072400		QCS	Company Field Advisor Data					
072400		QCS	Installer's Qualifications Data					
072400		CCS	Maintenance Data - 2 Copies	F				
072400		CCS	Special Warranty	F				
072400		CCS	Manufacturer's Warranty	F				
072600			PASSIVE SUB-SLAB DEPRESSURIZATION SYSTEM					
072600		PD	Catalog sheets, specifications, and installation instructions for each material specified.	D				
072600		PD	Vapor Retarder	D				
072600		PD	Pressure-Sensitive Tape/Adhesive	D				
072600		PD	Pipe Boots	D				
072600		SAM	Vapor Barrier Material	D				
072600		SAM	Pressure-Sensitive Tape	D				
072600		SAM	Aggregate for Gas Permeable Layer	D				
072600		QCS	Aggregate for Gas Permeable Layer					
072700			AIR BARRIERS					
072700		PD	For each type of product.	D				
072700		SD	For air-barrier assemblies.	D				
072700		QCS	For installer.	D				
072700		QCS	From air-barrier manufacturer, certifying compatibility of air barriers and accessory materials with Project materials that connect to or that come in contact with the barrier.					
072700		QCS	Product Test Reports					
073113			ASPHALT SHINGLE ROOF SYSTEM					
073113		PACK	Submit the product data, samples, and quality control submittals specified at the same time as a package	D				
073113		PD	Heavy-Duty Architectural Asphalt Shingles	D				
073113		SAM	Roof Shingles, Ridge Shingle	D				
073113		QCS	Manufacturer's Warranty					
073113		CCS	Warranty and proof of purchase	F				

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076000 FLASHING AND TRIM								
076000		PD	Aluminum Sheet	D				
076000		PD	Catlog sheets, specs, installation instructions for each item, solder, flux, and bituminous paint.					
077200		CCS	Operation and Maintenance Data: Deliver 2 copies	F				
078400 FIRESTOPPING								
078400		PACK	Submit the following items specified below the same time as a package: Product Data, Samples, Quality Control Submittals and Firestop Schedule	D				
077123 GUTTERS AND DOWNSPOUTS								
077123		PD	Gutter, gutter covers, gutter hanger bracket, downspout, sealant.	D				
077123		SAM	Gutter	D				
077123		SAM	Downspout	D				
077123		SAM	Hanger Brackets, Braces, and Stiffeners	D				
077123		SAM	Fasteners	D				
077200 ROOF ACCESSORIES								
077200		PD	Shingle Over Ridge Vents	D				
077200		PD	Drip Edge	D				
077200		PD	Soffit System	D				
077200		PD	Continuous Soffit Vents	D				
077200		PD	Insulation Baffles	D				
077200		PD	Pipe Flashing	D				
079200 JOINT SEALERS								
079200		PD	Type 1 Sealant	D				
079200		PD	Type 1D Sealant	D				
079200		PD	Type 2 Sealant	D				
079200		PD	Type 3 Sealant	D				
079200		PD	Sealant Colors	D				
079200		SAM	Sealant , color sample panel	D				
079200		QCS	Installer's Qualifications Data					
079200		QCS	Company Field Advisor Data					
081102 STEEL DOORS AND FRAMES								
081102		SD	Quality Assurance Package	D				
081102		SD	Door and Frame Schedule with Product Data Package	D				
081102		SAM	Door and Frame Samples	D				
081102		CCS	Closeout Submittal Package	F				
081116 ALUMINUM DOORS AND FRAMES								
081116		SD	Show details of each frame type, elevation and construction for each door type - include a schedule of doors and frames	D				
081116		PD	Catalog sheets, specifications, and installation instructions for each type door and frame specified.	D				
081400 WOOD AND PLASTIC DOORS								
081400		SD	Door Elevation, Sections, Details	D				
081400		SD	Door Schedule	D				
081400		PD	Interior Flush Wood Doors (Non-Fire Rated)	D				
081400		QCS	Affidavit required under Quality Assurance Article					
081743 COMPOSITE FIBERGLASS DOOR								

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				F/O				
				D				
				S				
083325		SD	Application to Project	D				
083325		PD	Overhead Door Assemblies	D				
083325		PD	Finishes	D				
083325		PD	Operators	D				
083325		PD	Electric Motor and Controls Data	D				
083325		CCS	Operation and Maintenance Data	F				
083325		CCS	Replacement Parts List	F				
083113			ACCESS DOORS					
083113		PD	Frames	D				
083113		PD	Door Panel	D				
083113		PD	Cam Locks	D				
083325			COMPOSITE SECTIONAL OVERHEAD DOORS					
083325		SD	Show application to project.	D				
083325		PD	Catalog sheets, specifications, and installation instructions for each type door and frame specified.	D				
083325		QCS	Certificates					
083325		CCS	Operation and maintenance data.					
083325		CCS	Replacement Parts List					
085113			ALUMINUM WINDOWS					
085113		SD	Fabrication details and connections	D				
085113		PD	Aluminum window Types/Grade/Performance Class	D				
085113		SAM	One window unit of each type, with insect screen, and hardware	D				
085113		SAM	Corner section of frame, sash, and insect screen	D				
085113		SAM	Color Samples	D				
085605			SPECIALTY WINDOWS					
085605		SD	Interior and exterior window elevations, details and schedule	D				
085605		SD	Full scale frame section details showing complete assembly and details	D				
085605		PD	Data sheets, prep instructions, storage & handling, installation method.					
085605		PD	Aluminum Shapes	D				
085605		PD	Window Frame	D				
085653		SAM	Finish Colors	D				
085605		CCS	Closeout Submittals Package	F				
087100			FINISH HARDWARE					
087100		PACK	Cover Sheets	D				
087100		SD	Quality Control Package	D				
087100		SD	Finish Hardware Package	D				
087100		CCS	Closeout Submittals Package	F				
088100			GLASS AND GLAZING					
088100		PD	Type A Glass	D				
088100		PD	Type D Glass	D				
088100		PD	Type M Glass	D				
088100		PD	Type M1 Glass	D				
088100		PD	Spacers	D				
088100		PD	Compressible Filler Rod	D				
088100		PD	Type 12 Glazing Material	D				
088100		EPD	Environmental Product Declaration					

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				F/O				
				D				
				S				
088100		QCS	Test Reports: Certified test data to sufficiently substantiate glass or glass assembly compliance with requirements specified	D				
088100		QCS	Certificates: Affidavit required under Quality Assurance Article	D				
089100			STATIONARY METAL WALL LOUVERS					
089100		SD	Show fabrication details and connections to adjacent Work.	D				
089100		PD	Aluminum Louvers	D				
089100		PD	Steel Louvers	D				
089100		PD	Louver Screens	D				
092116			GYP SUM BOARD SYSTEMS					
092116		PD	Gypsum Board	D				
092116		PD	Moisture Resistant Gypsum Board	D				
092214			FURRING FOR GYP SUM BOARD CEILINGS					
092214		PD	Main Beams	D				
092214		PD	Cross Channels	D				
092214		PD	Channel Mold	D				
092214		PD	Cross Tees	D				
092214		PD	Hangers	D				
092813			TILE BACKER BOARD					
092813		PD	Tile Backer Board	D				
092813		PD	Joint Reinforcement	D				
092813		PD	Fasteners	D				
092813		SAM	Tile Backer Board	D				
092813		SAM	Joint Reinforcement	D				
093013			CERAMIC TILE					
093013		PD	Glazed Wall Tile	D				
093013		PD	Unglazed Paver Tile	D				
093013		PD	Trim Units	D				
093013		PD	Portland Cement Mortar	D				
093013		PD	Dry-Set Mortar	D				
093013		PD	Latex-Portland Cement Mortar	D				
093013		PD	Commercial Portland Cement Grout	D				
093013		PD	Dry-Set Grout	D				
093013		PD	Latex-Portland Cement Grout	D				
093013		SAM	Glazed Wall Tile	D				
093013		SAM	Unglazed Paver Tile	D				
093013		SAM	Trim Units	D				
093013		SAM	Commercial Portland Cement Grout	D				
093013		SAM	Dry-Set Grout	D				
093013		SAM	Latex-Portland Cement Grout	D				
093013		SAM	Conductive Tile Floor Grout	D				
093013		SAM	Epoxy Grout	D				
093013		SAM	Silicone Rubber Grout	D				
093013		SAM	Tile Colors	D				
093013		SAM	Grout Colors	D				
093013		SAM	Marble Thresholds	D				
093013		SAM	Marble edge strips	D				

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093013		QCS	Tile Grade Certificates - each shipment					
093013		QCS	Conductive Tile Certificates					
093013		QCS	Installer's Qualification Data	D				
095300			SUSPENDED ACOUSTICAL CEILING SYSTEMS					
095300		SD	Ceiling suspension members	D				
095300		SD	Method of attaching hangers to supporting building structure.	D				
095300		SD	Ceiling-mounted items including light fixtures; air outlets and inlets; sprinkler heads; and special moldings at walls, columns penetrations, and other junctures with adjoining construction.	D				
095300		PD	Each suspension system type specified	D				
095300		PD	Acoustical units specified	D				
095300		SAM	Suspension System Materials	D				
095300		SAM	Acoustical Units	D				
095300		QCS	Certification					
095300		CCS	Maintenance Instructions					
096519			RESILIENT TILE FLOORING					
096519		PD	Vinyl Composition Tile Type IV	D				
096519		PD	Vinyl Tile Type III	D				
096519		PD	Resilient Edge Strips	D				
096519		PD	Tile Adhesive	D				
096519		PD	Floor Finish	D				
096519		SAM	Resilient Tile	D				
096519		SAM	Base	D				
096519		SAM	Edge Strips	D				
096519		SAM	Color Samples	D				
096519		QCS	Certificates Quality Assurance Article	D				
096519		CCS	Maintenance Data - 2 copies	F				
096519		CCS	Extra Materials: Furnish extra tile, equal to 2 percent of the tile installed, of each type and color of tile required	F				
096723			EPOXY RESIN FLOORING					
096723		PD	Fill	D				
096723		PD	Underlayment	D				
096723		PD	Waterproofing	D				
096723		PD	Primer	D				
096723		PD	Type ET Flooring	D				
096723		PD	Type EC Flooring and Base	D				
096723		PD	Type ECT Flooring and Base	D				
096723		PD	Sealer	D				
096723		PD	Dividing Strips	D				
096723		PD	Base Bead	D				
096723		PD	Flashing	D				
096723		PD	Extension Collars for Floor Drains	D				
096723		SAM	Flooring and Base Combination	D				
096723		SAM	Underlayment Components	D				
096723		SAM	Liquid Binder for Reinforcement	D				
096723		SAM	Clear Sealer	D				

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				F/O					
				D					
				S					
096723		QCS	Test Reports	D					
096723		QCS	Certificates - Article 3.01	D					
096723		QCS	Installer's Qualifications Data	D					
096723		QCS	List of Completed Installations	D					
096723		CCS	Maintenance Data - 2 copies	F					
096813			TILE CARPETING						
096813		SD	Dimensions, pattern direction, and seam diagram	D					
096813		PD	Tile Carpeting	D					
096813		PD	Edge Strips	D					
096813		PD	Adhesive	D					
096813		PD	Indoor Environmental Quality						
096813		SAM	Tile Carpeting	D					
096813		SAM	Edge Strip	D					
096813		SAM	Color Samples	D					
096813		QCS	Certificates - Quality Assurance Article	D					
096813		CCS	Maintenance and Cleaning Instructions - 2 copies	F					
096813		CCS	Manufacturer's Warranty	F					
096813		CCS	Extra materials: Tile Carpeting: Full size units equal to 5 percent of amount installed	F					
098400			ACOUSTICAL WALL PANELS						
098400		SD	Shop Drawings: Show Installation Details	D					
098400		SAM	12x12 Samples	D					
098400		PD	Product Test Reports	D					
098400		PD	Qualification Data for qualified installer	D					
098400		PD	Product Certificates	D					
099101			CONSTRUCTION PAINTING						
099101		PD	Painting Schedule - Exterior Substrates	D					
099101		PD	Painting Schedule - Interior Substrates	D					
099101		PD	Paint Type IAL-1: Interior Acrylic Latex, Flat	D					
099101		PD	Paint Type IAL-2: Interior Acrylic Latex, Eggshell	D					
099101		PD	Paint Type IAL-3: Interior Acrylic Latex, Semigloss Enamel	D					
099101		PD	Paint Type ISP: Interior Steel Primer, Flat	D					
099101		SAM	Finish Paint Samples: Two finish paint samples applied over recommended primers for each substrate to be painted.	D					
099101		QCS	Test Reports	D					
099101		QCS	Certificates of Quality Assurance Article	D					
099101		CCS	Extra Materials: Paint Type EAL-1 and IAL-1: Four gallons, each type	F					
099101		CCS	Extra Materials: Paint Types EAL-2 and IAL-2: Two gallons, each type	F					
099101		CCS	Extra Materials: Other Paint Types: One gallon, each type.	F					
101200			DISPLAY CASES						
101200		SD	Display Case	D					
101200		PD	Display Case including elec data	D					
101200		SAM	For Initial Selection, including Tackboard Panels and Trim	D					
101200		CCS	Maintenance Data	F					

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				F/O				
				D				
				S				
			SIGNS					
101423		SD	Show Fabrication and mounting details	D				
101423		PD	Engraved Stock (ES) Plastic	D				
101423		PD	Acrylic Sheet	D				
101423		PD	Aluminum Sheet	D				
101423		PD	Stainless Steel Sheet	D				
101423		PD	Bronze Plate	D				
101423		PD	Opaque Coating	D				
101423		PD	Mechanical Mounting (MM)	D				
101423		PD	Tape Mountin (TM)	D				
101423		PD	Sealant Mounting (SM)	D				
101423		PD	Plate Mounting (PM)	D				
101423		PD	Templates	D				
101423		SAM	Full size of each sign type and copy type specified including mounting accessories.	D				
101423		SAM	Color Samples	D				
101423		QCS	Sign Fabricator Qualification Data	D				
			COMPARTMENTS					
102100		SD	Fabrication details and connections	D				
102100		PD	Solid Plastic Panels	D				
102100		PD	Fittings and Fasteners	D				
102100		PD	Concealed Reinforcing	D				
102100		PD	Overhead bracing	D				
102100		PD	Wall Supports	D				
102100		PD	Cut-Outs and Reinforcement	D				
102100		PD	Door Hardware - Hinges	D				
102100		PD	Door Hardware - Mortise Lock	D				
102100		PD	Door Hardware - Slide Bolt	D				
102100		PD	Door Hardware - Combination Stop and Keeper	D				
102100		PD	Door Hardware - Combination Coat Hook and Bumper	D				
102100		PD	Door Hardware - Wall Bumper	D				
102100		PD	Door Hardware - Door Pull	D				
102100		PD	Chrome plated or stainless steel through bolts, or machine screws as required	D				
102100		SAM	Hardware	D				
102100		SAM	Panel Sections	D				
102100		SAM	Curtain Hooks	D				
			TOILET AND BATH ACCESSORIES					
102813		SD	Grab Bar Details	D				
102813		PD	Mirrors	D				
102813		PD	Double Roll Toilet Tissue Dispensers - Surface Mounted (DRTTD-SM)	D				
102813		PD	Combination Paper Towel Dispensers and Waste Receptacles (PTD & WR)	D				
102813		PD	Combination Feminine Napkin and Tampon Dispensers (FN & TD)	D				
102813		PD	Feminine Napkin Disposals - Surface Mounted (FND-SM)	D				
102813		PD	Feminine Napkin Disposals - (Recessed) (FND-R)	D				

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102813		PD	Lather Soap Dispensers - Surface Mounted (LSD-SM)	D				
102813		PD	Shower Curtain Rods (SCR)	D				
102813		PD	Shower Curtain Tracks - Surface Mounted (SCT-SM)	D				
102813		PD	Shower Curtains (SC)	D				
102813		PD	Towel Bars (TB)	D				
102813		PD	Towel Hooks (TH)	D				
102813		PD	Mop and Broom Holders (M & BH)	D				
102813		PD	Grab Bars (GB)	D				
102813		SAM	Samples: One full size sample of each product required, unless otherwise specified, complete with mounting devices and fasteners	D				
102813		SAM	Shower Curtain	D				
102813		CCS	Operation and Maintenance Data	F				
102813		CCS	Parts lists	F				
102813		CCS	Keys: Furnish minimum of 2 keys and an additional 2 keys for every 6 key operated accessories.	F				
102813		CCS	Tools: Furnish socket wrenches compatible with set screws of concealed theft-resistant fastenings. Furnish minimum of 2 wrenches and an additional 2 wrenches for every 6 accessories having such fastenings	F				
104223 SHOWERS								
104223		PD	Showers	D				
104223		PD	Grout	D				
104223		CCS	Cleaning Data - 2 copies	F				
104223		CCS	Maintenance Data	F				
104413 FIRE PROTECTION CABINETS								
104413		SD	Cabinet including hardware and trim	D				
104413		PD	Cabinet including hardware and trim	D				
104413		PD	Project schedule	D				
104413		SAM	For each type of exposed finish	D				
104413		SAM	For initial selection	D				
104413		SAM	For verification	D				
104413		CCS	Cleaning Data - 2 copies	F				
104413		CCS	Maintenance Data	F				
104416 FIRE EXTINGUISHERS								
104416		PD	Extinguisher	D				
104416		PD	Warranty	D				
104416		CCS	Operation and Maintenance Data	F				
105100 LOCKERS								
105100		QCS	Qualification Data for qualified installer					
105129 PHENOLIC LOCKER BENCHES								
105129		SD	Phenolic locker benches	D				
105129		PD	Technical Data for locker bench	D				
105129		SAM	Manufacturer's Color Chart	D				
105129		CCS	Operation and Maintenance Data - 2 copies	F				
107501 FLAGPOLES								
107501		SD	Fabrication details and connections	D				

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107501		PD	Flagpoles	D								
107501		CCS	Operation and Maintenance Data - 2 copies	F								
111901			DETENTION EQUIPMENT									
111901		PD	Floor mounted detention bench	D								
111901		CCS	Manufacturer's Written Certification of Correct Installation and Operation for Equipment, Locks, Systems, and Accessories	F								
122113			HORIZONTAL LOUVER BLINDS									
122113		PD	Blinds and hardware	D								
122113		SD	Fabrication and installation details	D								
122113		SAM	Samples for Selection	D								
12213		PD	Slat	D								
12213		PD	Tapes	D								
12213		PD	Horizontal Louver Blinds	D								
12213		PD	Valance	D								
12213		PD	Cornice	D								
12213		PD	Window Treatment Schedule	D								
122113		CCS	Operation and Maintenance Data: Deliver 2 copies	F								
122113		QCS	Certificate required under Quality Assurance Article									
124813			ENTRANCE FLOOR GRILLES AND FRAMES									
124813		PD	Floor grilles and frames	D								
124813		PD	Construction details, materials, dimensions, finishes	D								
124813		SD	Floor grilles and frames	D								
124813		SAM	Frame and insert	D								
124813		SAM	Ramp nosing / edge trim	D								
124813		CCS	Operation and Maintenance Data: Deliver 2 copies	F								
124813		CCS	Warranty	F								
124813		QCS	Certificates: Affidavits required under QAA									
310000			EARTHWORK									
310000		PD	Filter Fabric	F								
310000		SAM	Select Granular Material	F								
310000		SAM	Subbase Course Type 2	F								
310000		SAM	Selected Fill	F								
310000		SAM	Cushion Material	F								
310000		SAM	Crushed Stone	F								
310000		SAM	Crushed Stone, Crushed Gravel, or Screened Gravel (Wastewater)	F								
310000		SAM	Pea Gravel	F								
310000		SAM	Bio Retention Media Soil	F								
310000		QCS	Subbase Materials	F								
310000		QCS	Other Aggregates	F								
310000		QCS	Excavation Procedure	F								
312319			DEWATERING									
312319		SD	Submit drawings and diagrams, with all pertinent data, showing the dewatering system proposed for use. Indicate the spacing and location of wellpoints and reading wells, and location of header lines, pumps, valves and discharge lines.	F								
313700			RIPRAP									

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313700		QCS	Name and location of source and DOT source number.	D				
313700		QCS	Other aggregates	D				
ASPHALT PAVING								
321216		PD	Paving Synthetics	D				
321216		PD	Asphaltic Pavement	D				
321216		EPD	Environmental Product Declaration					
321216		QCS	Plant name and location of asphalt concrete supplier	D				
321216		QCS	Material Delivery Tickets	D				
CONCRETE WALKS								
321300		PD	Concrete Design Mix	D				
321300		PD	Portland Cement	D				
321300		PD	Air-entraining Admixture	D				
321300		PD	Water-reducing or High Range Water-reducing Admixture	D				
321300		PD	Curing and Anti-Spalling Compound	D				
321300		PD	Fibrous Concrete Reinforcement	D				
321300		PD	ADA Detectable Warning Surface	D				
321300		EPD	Environmental Product Declaration					
321300		SAM	Fibrous Concrete Reinforcement	F				
321300		SAM	Bar Supports	F				
321300		SAM	Bar Reinforcement	F				
321300		SAM	ADA Detectable Warning Surface	F				
CONCRETE PAVING JOINT SEALANTS								
321373		PD	Type 1B Sealant	D				
321373		PD	Cork Joint Filler	D				
321373		PD	Joint Primer/Sealer/Conditioner	D				
321373		PD	Backer Rod	D				
321373		PD	Bond Breaker Tape	D				
321373		PD	Cleaning Solvents	D				
321373		PD	Color	F				
PORTLAND CEMENT CONCRETE CURBS								
321613		PACK	Submit product data for design mix(es) and materials for concrete specified below at the same time as a package.	D				
321613		PD	Mix Design	D				
321613		PD	Portland Cement	D				
321613		PD	Fly Ash	D				
321613		PD	Air-entraining Admixture	D				
321613		EPD	Environmental Product Declaration					
PAVEMENT MARKINGS								
321723		QCS	Certificates: Affidavit required under Quality Assurance Article	F				
321723		QCS	Affadavit by paint applicator	F				
CHAIN LINK FENCE								
323113		SD	Complete detailed drawings for each fence required.	D				
323113		PD	Class B Steel Tubing	D				
323113		PD	STEEL FRAMEWORK (FOR FENCES 6'-1" - 10'-0" HIGH) - End Posts and Corner Posts	D				

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323113		PD	STEEL FRAMEWORK (FOR FENCES 6'-1" - 10'-0" HIGH) - Line Posts	D				
323113		PD	Steel Fabric	D				
323113		PD	Swing Gate Posts	D				
323113		PD	Swing Gate Frames	D				
323113		PD	Swing Gate Hardware	D				
323113		PD	Rails and Post Braces	D				
323113		PD	Fittings and Post Tops	D				
323113		PD	Stretcher Bars	D				
323113		PD	Metal Bands (for securing stretcher bars)	D				
323113		PD	Wire Ties	D				
323113		PD	Truss Rods	D				
323113		PD	Concrete	D				
323113		PD	Spiral Paper Tubes	D				
323113		PD	Tension Wire	D				
323113		PD	Shrink-Resistant Grout (Ferrous)	D				
323113		PD	Finishes	D				
323113		EPD	Environmental Product Declaration					
323113		SAM	Fence Fabric	F				
323113		SAM	Fence and Gate Posts	F				
323113		SAM	Miscellaneous Materials and Accessories	F				
323129			WOOD FENCES AND GATES					
323129		SD	Show application to project. Machine duplicated copies of Contract Drawings will not be accepted					
323129		EPD	Environmental Product Declaration					
323129		QCS	Pressure Treatment Certificates: Certification by treating plant stating chemicals and process used, net amount of salts retained, and conformance with applicable standards.					
329120			TOPSOIL					
329120		SAM	Topsoil for Testing: In the presence of the Director's Representative, take a 5 lb sample from each 1000 cu yds of topsoil to be used on the project. Complete a Topsoil Sample Information Form for each sample. Ship samples and forms (original and 2 copies) to the address indicated in Section 013300.	F				
329219			SEEDING					
329219		PD	Hydro Mulch: Manufacturer's specifications and application rate	D				
329219		PD	Erosion Control Blanket: Manufacturer's specifications	D				
329301			PLANTS					
329301		PD	List of Plants: Before plant material is shipped to the project site, submit a complete itemized list of all plants including the source of supply.	D				
329301		PD	Invoice indicating sizes and variety of plant material	D				
329301		PD	Certificates of inspection required by State and Federal agencies	D				
329301		PD	Labels for each plant or bundles of plants indicating name and size	F				
329301		QCS	Worker's Qualifications Data	F				

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331102				PLASTIC WATER PIPE AND FITTINGS								
331102		PD	Polyethylene (PE) Pipe	D								
331102		PD	Plastic Fittings	D								
332001				SUBMERSIBLE WELL PUMP								
332001		PD	Companies	D								
332001		PD	Pump	D								
332001		PD	Controls	D								
332001		PD	Submersible Cable	D								
332001		PD	Motors	D								
332001		PD	Drop Pipe	D								
332001		PD	Schedule	D								
332001		QCS	Test Reports	D								
332001		CCS	Operation and Maintenance Data	D								
331216				WATER & SAN. DISTRIBUTION VALVES								
331216		PD	Valve Schedule	D								
331216		PD	Gate Valves	D								
331216		PD	Check Valves	D								
331216		PD	Curb Stops	D								
331216		PD	Valve Boxes	D								
331216		PD	Valve Keys	D								
331216		PD	Padlocks	D								
332002				PITLESS UNIT								
332002		PD	Pitless unit	D								
332100				WATER SUPPLY WELLS								
332002		PD	New York State Water Well Program	D								
332002		PD	Well Log	D								
332002		PD	Casing	D								
332002		PD	Screen	D								
332002		PD	Drive Shoe	D								
332002		PD	Well Packing	D								
332002		QCS	Grouting procedure	D								
332002		QCS	Well samples	D								
332002		QCS	Sieve Analysis	D								
332002		QCS	Yield Test Data	D								
332002		QCS	Water Analysis	D								
332002		CCS	Well Completion Report	D								
333104				PLASTIC DRAINAGE PIPE (SANITARY)								
333104		PD	PVC Sewer Pipe and Fittings	D								
333104		PD	Solvent cement	D								
333104		PD	Trace Wire	D								
333201				SEWAGE EJECTORS								
333201		PD	Sewage Ejectors	D								
333201		PD	Pump Controls and Accessories	D								
333201		QCS	Certificates: Certify that the unit has been factory tested in accordance with accepted practices of the Hydraulic Institute Standards Manual and that the characteristics of the ejector conforms to the performance curve published by the manufacturer for that class ejector.	D								

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333201		CCS	Operation and Maintenance Data: Deliver 2 copies	F				
333201		CCS	Warranty	F				
333913			MANHOLES AND DRAINAGE STRUCTURES WITH FRAMES AND COVERS					
333913		SD	Show fabrication details and connections to adjacent Work	D				
333913		PD	Precast Reinforced Concrete Manholes	D				
333913		PD	Precast Reinforced Square and Rectangular Concrete Structures	D				
333913		PD	Frames, Covers and Grates for Manholes, Pump Chamber, and Catch Basins	D				
333913		PD	Pipe-to-Manhole/Drainage Structure Connections	D				
333913		PD	Mortar	D				
333913		PD	Outlet Structure Trash Rack	D				
333913		EPD	Environmental Product Declaration					
333914			PRECAST CONCRETE WASTEWATER STRUCTURES (SANITARY)					
333914		PD	Septic Tank	D				
333914		PD	Tank Configuration	D				
333914		PD	Pipe Connections	D				
333914		PD	Manholes	D				
333914		PD	Distribution Box	D				
333914		PD	Concrete for Precast Structures	D				
333914		PD	Reinforcing Steel	D				
333914		PD	Access Manhole Frames and Covers	D				
333914		PD	Precast Reinforced Concrete Manhole Riser Sections	D				
333914		PD	Manhole Brick	D				
333914		PD	Concrete Masonry Units for Manholes	D				
333914		PD	Butyl Rope Sealant	D				
333914		PD	Mortar	D				
333914		PD	Non-shrink Grout	D				
333914		PD	Pipe and fittings	D				
333914		PD	Coal Tar Epoxy Coating	D				
333914		EPD	Environmental Product Declaration					
334104			CORRUGATED POLYETHYLENE STORM DRAIN PIPE					
334104		PD	Corrugated Polyethylene Pipe (Smooth Interior)	D				
334104		PD	Fittings	D				
334104		PD	Headwalls and End Sections	D				
334105			PLASTIC DRAINAGE PIPE (STORM DRAINAGE)					
334105		PD	Drainage pipe and fittings	D				
334105		PD	Solvent cements	D				
334613			FOUNDATION DRAINS					
334613		PD	Corrugated Polyethylene Pipe (4 and 6 inch Diameter, Solid and Perforated) and Fittings for Building Underdrains and Discharge Lines					
334613		PD	Smoothwall Polyethylene Pipe (4 and 6 inch Diameter, Solid and Perforated) and Fittings for Building Underdrains and Discharge Lines					

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334613		PD	PVC Pipe (4 and 6 inch Diameter, Solid and Perforated) and Fittings for Building Underdrains and Discharge Lines									
334613		EPD	Environmental Product Declaration									
335113			PROPANE GAS PIPING									
335113		PD	Polyethylene (PE) Pipe									
335113		PD	Steel Pipe									
335113		PD	Anodeless Underground Service Riser									
335113		PD	Underground Marking Tape									
347115			STEEL PIPE BOLLARDS									
347115		PD	Steel Pipe									
347115		PD	Bumper Post Sleeve									
347115		EPD	Environmental Product Declaration									
347115		SD	Shop Drawings: Show Installation Details									