

PROJECT: Westmoreland County Housing Authority
Troutmans Building Exterior Renovations (Roof and Masonry)
Architect's Project No. 2335

OWNER: Westmoreland County Housing Authority
167 South Greengate Road
Greensburg, PA 15601

INITIATION DATE: October 23, 2025

ADDENDUM NO. 1

The Bidder shall give due consideration of the contents of this Bulletin in the preparation of his bid and shall so indicate on his Form of Proposal.

The Contract Documents are modified as follows:

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GENERAL

- 0.1 A NON-MANDATORY Pre-Bid Meeting was held on October 16, 2025, at 1:00 P.M. Minutes of the Pre-Bid Meeting will be issued under separate cover.
- a. Potential Bidders were provided a brief summary of the Work as defined by the Contract Documents and consisting of the following:
- Refer to Section 01 1000, Summary for more information, particularly paragraph 1.06, 1.08, 1.09 and 1.10; Contract responsibilities are broken out by specification section.
 - Brief summary of work:
 - 1) Roofing Contract:
 - i. Completely remove existing roofing and flashings down to existing roof deck. This will not be required at the two existing awnings; the awnings are a re-cover
 - ii. Provide new air/vapor retarder to entire roof area; prime existing surfaces for installation.
 - iii. Provide polyisocyanurate insulation, min. 25psi; all layers shall be fully adhered.
 - iv. Primary roofs shall receive 90-mil EPDM membrane, fully adhered. Awnings (two awnings exist) shall be re-covered with 115 EPDM membrane, splatter adhesive attachment. At two existing awnings, well-adhered membrane shall remain; make repairs to the existing membrane for adhering of re-cover membrane.
 1. Warranty at 90-mil roofing edge to edge (inclusive of skylight) with 72MPH windspeed with a duration of 30 years.
 2. Warranty at 115-mil roofing re-cover edge to edge with 72MPH windspeed with a duration of 20 years
 - v. Where new roofing is being provided, remove existing edge metal completely including all cleats and replace with new metal roof edge. Fascia heights shall be verified in the field.
 - vi. Extend existing curbs with new nailers to comply with manufacturer's warranty requirements.
 1. At existing chillers (2) and rooftop air handling unit (1), the WCHA shall disconnect units to allow Roofing Contractor to lift units from roof to provide new curbs and equipment rails in order to allow proper flashing; Roofing Contractor shall re-set existing chillers and air handling unit on new curbs and equipment rails; WCHA

shall re-connect/make final connections of chillers and air handling unit. WCHA will accept alternate plans from contractor in order to not have to remove these units. In such a case, insulation R-values must be maintained and compliance with roofing membrane requirements must be met to maintain the requested warranty.

- vii. New walkpads shall be installed where existing walkpads are present and as drawn.
- viii. Contractor to comply with Owner's safety standards and procedures; review roof access, building permits and debris removal.
- ix. New scuppers and conductor boxes with downspout down to pre-cast concrete splashblock shall be provided at each site; additional membrane protection layers shall be provided.
- x. At existing roof drains, provide new retrofit drain assemblies; verify size in field. At the awnings (2), new clamping rings and strainers shall be provided for existing drains.
- xi. A new roof access door and frame shall be provided.

2) Masonry Contract:

- i. Remove and re-build a portion of the masonry veneer at the western elevation of the building.
 - ii. Repair brick masonry, repoint and rebuild, at all four sides of rooftop penthouses (two penthouses exist); surfaces must be repaired and rebuilt to provide a suitable surface for the application of the specified masonry coating (specified as SIKA product).
 - iii. Parapet walls with terracotta caps will be rebuilt for installation of anchors; coordinate with Roofing Contractor.
 - iv. Repoint granite panels at the eastern elevation.
 - v. Repair indicated areas of limestone by replacement or repair; repoint indicated area. This work is a delete alternate.
 - vi. Provide new soffits at existing awnings and new lighting; this work is a delete alternate.
- b. Contractor is responsible for the safety of the job site and is to clean up each day. The Contractor is responsible for its own dumpster(s). If a dumpster is required, the contractor is responsible for obtaining a permit for the dumpster if required by the local authority having jurisdiction. Open free-fall chutes are not permitted.
- Work is being done in public rights of way; contractors shall be responsible for coordinating work with the local Authority Having Jurisdiction including obtaining any required additional bonds such as for roads. WCHA shall assist in this process.
- c. Following the pre-bid meeting, all potential bidders had the opportunity to review the extent and condition of the construction at each site.
- d. Potential Bidders shall submit Requests for Interpretation, Section 01 0700, RFI – Request for Interpretation via email to HCanzian@CJAarchitects.com with "cc" directed to HWerkeiser@CJAarchitects.com.

0.2 EXAMINATION OF PROPOSAL, PLANS, SPECIFICATIONS, SPECIAL PROVISIONS AND SITE OF WORK---The Housing Authority's plans and specifications are complete and are prepared so that any competent contractor is able to complete the proposed work. The bidder is required to carefully examine the proposal, plans, specifications and project site before submitting a bid. The submission of a bid will be considered proof that the bidder has made such examination and understands the conditions to be encountered: the character, quality and quantities of work to be performed: the material to be furnished: and the requirements of the plans, specifications, and proposal. The Housing Authority will make no allowance or concession for a bidder's failure to make the required examination. A bidder shall not take advantage of any mistakes and/or omissions in any of the contract documents and the bidder shall report the same to the Housing Authority.

0.3 Potential Bidders are cautioned about using pricing information in their Bids from suppliers, manufacturers and vendors that are not identified in the Specifications or given prior approval during Bidding; the Architect intends to vigorously defend the Standards of Quality set forth in the Specifications.

SPECIFICATIONS

- 1.1 Add Section 01 7123, Field Engineering, attached to this Addendum.
- 1.2 Delete Section 07 5300, Elastomeric Membrane Roofing, and replace with Section 07 5300, Elastomeric Membrane Roofing – Revision 1, attached to this Addendum.

DRAWING SHEETS

General Comments:

- 2.1 None Issued.

Sheets:

- 2.2 Delete Sheet E100, Exterior Lighting Plan, and replace with Sheet E100, Exterior Lighting Plan, Revision 1, attached to this Addendum.
- 2.3 Delete Sheet E500, Details and Schedules, and replace with Sheet E500, Details and Schedules, Revision 1, attached to this Addendum.

END OF ADDENDUM No. 1

Total number of pages (including sketches, intentionally blank pages, and revised sheets), included in this Addendum is Twenty (20).

All Bidders are responsible for verifying receipt of all pages. If you have not received all pages, please contact this office immediately. All Bidders shall be responsible for checking with the Architect regarding the number of Addenda sent out prior to submitting a bid.

Troutmans Building Exterior Renovations (Roof and Masonry)
Pre-Bid Meeting

Date: 10/16/2025

Company/Address	Contact	Phone	Cell Phone	Email
TRIANGLE ROOFING 351 MT VESCO ROAD PITTSBURGH, PA 15237	JASON ASHWORTH	412-443-9211		JASON JASON@TRIANGLE ROOFING INC. COM
Brian Meyer - Carlisle Ghise Associates	Brian Meyer	412-915-5720		Brian@ghiseassociates.com
BRENT BIAGI GRACIANO 209 SIGMA DR. PITTSBURGH PA	Brent Biagi	412-491-9791		bbiagi@graciano.com
Bill Yarnel 1165 GARDEN ST. Gbg PA	Bill Yarnel	724-833-8809		bill@alleghecrest.com
DAVID MATSKO 2008 MAIN DRIVE LITITZ PA 15650 Keystone Waterproofing INC	DAVE MATSKO	724-433-3443		DaveM@keystonewp.com
Escaped Masonry 3361 Valley Drive Pittsburgh, PA 15234	ROGER FURUS	412-841-6607		r.purvis@escapedmasonry.com
Warren Long BMS CAT 1035 Executive Dr	Warren Long	412-523-0807		WLong+BMSmanagement.com
ANNA VISION 1 PEAFFEN PRINTS CAT	NAMEN LONG	724-875-8291		apeagler@bmscat.com
VINCE FONTANA VINCE BUILDING CO	VINCE FONTANA	724-836-4563		VINCEBUILDING@COMCAST.NET
H.J. Overdorff Greensburg Restoration, LLC	H.J. Overdorff	724-344-0945		GreensburgRestoration@verizon.net
Canzian/Johnston & Associates, LLC 361 Main Street New Kensington, PA 15068	Dan Macek	724-339-0511	412-952-1935	dmacek@cjaarchitects.com

**SECTION 01 7123
FIELD ENGINEERING**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Field engineering services by Contractor.
- B. Support and bracing.

1.02 RELATED REQUIREMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.03 DESCRIPTION OF SERVICES

- A. Specific services listed in this section are in addition to, and do not supersede, general Execution and Closeout Requirements.
- B. Sole responsibility for establishing all locations, dimensions and levels of items of work.

1.04 REFERENCE STANDARDS

- A. State Plane Coordinate System for Pennsylvania.

1.05 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Submit in addition to items required in Section 01 7000 - Execution and Closeout Requirements.
- C. Informational Submittals: Submit the following:
 - 1. Field Engineering: Submit daily reports, with content as indicated in this section.

1.06 QUALITY ASSURANCE

- A. Field Engineer's Qualifications: As established in Section 01 7000 - Execution and Closeout Requirements.
- B. Use adequate number of skilled and thoroughly-trained workers to perform the work of this section in a timely and comprehensive manner.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

3.01 FIELD ENGINEERING

- A. Coordinate field engineering services with Contractor's subcontractors, installers, and suppliers as appropriate.
- B. Prepare layout and coordination drawings for construction operations.
- C. Check and coordinate the work for conflicts and interferences, and immediately advise Canzian/Johnston & Associates, LLC and Westmoreland County Housing Authority of all discrepancies of which Contractor is aware.
- D. Cooperate as required with Canzian/Johnston & Associates, LLC and Westmoreland County Housing Authority in observing the work and performing field inspections.
- E. Review and coordinate work on a regular basis with shop drawings and Contractor's other submittals.
- F. Check all bracing and shoring for structural integrity and compliance with designs prepared by the Contractor.

3.02 SUPPORT AND BRACING

- A. General requirements: Design all support and bracing systems.

END OF SECTION

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**SECTION 07 5300
ELASTOMERIC MEMBRANE ROOFING - REVISION 1**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Elastomeric roofing membrane, adhered conventional application.
- B. Insulation, flat and tapered, mechanically fastened and adhered application.
- C. Vapor retarder/Temporary Roof.
- D. Roofing stack boots and walkway pads.
- E. Commencement of work by Contractor shall constitute acknowledgement by Contractor that this specification can be satisfactorily executed, under the project conditions and with all necessary prerequisites for warranty acceptance by roofing membrane manufacturer. No modification of the Contract Sum will be made for failure to adequately examine the Contract Documents or the project conditions.

1.02 RELATED REQUIREMENTS

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

1.03 REFERENCE STANDARDS

- A. AAMA 2605 - Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels (with Coil Coating Appendix); 2022.
- B. ASCE 7 - Minimum Design Loads and Associated Criteria for Buildings and Other Structures; Most Recent Edition Cited by Referring Code or Reference Standard.
- C. ASTM C1177/C1177M - Standard Specification for Glass Mat Gypsum Substrate for Use as Sheathing; 2017.
- D. ASTM C1289 - Standard Specification for Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board; 2023.
- E. ASTM D624 - Standard Test Method for Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers; 2000 (Reapproved 2020).
- F. UL (DIR) - Online Certifications Directory; Current Edition.
- G. UL (FRD) - Fire Resistance Directory; Current Edition.
- H. UL 790 - Standard for Standard Test Methods for Fire Tests of Roof Coverings; Current Edition, Including All Revisions.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Pre-Installation Conference: Before start of roofing work, Contractor shall hold a meeting to discuss the proper installation of materials and requirements to achieve the warranty.
 - 1. Require attendance with all parties directly influencing the quality of roofing work or affected by the performance of roofing work.
 - 2. Notify Canzian/Johnston & Associates, LLC well in advance of meeting, minimum of 14 calendar days.

1.05 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements for submittal procedures.
- B. Product Data: Provide manufacturer's written information listed below.
 - 1. Product data indicating membrane materials, flashing materials, insulation, vapor retarder, surfacing, and fasteners.
 - 2. Preparation instructions and recommendations.
 - 3. Storage and handling requirements.

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- C. Shop Drawings: Indicate joint or termination detail conditions, conditions of interface with other materials, setting plan for tapered insulation, mechanical fastener layout, and calculations for withstanding wind uplift forces as calculated using the current revision of ASCE-7..
- D. Samples: Submit samples of each product to be used.
- E. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.
- F. Manufacturer's Installation Instructions: Indicate membrane seaming precautions, special procedures, and perimeter conditions requiring special attention.
- G. Manufacturer's Field Reports: Indicate procedures followed, ambient temperatures, and supplementary instructions given.
- H. Installer's qualification statement.
- I. Warranty: Submit manufacturer warranty and ensure forms have been completed in Westmoreland County Housing Authority's name and registered with manufacturer.

1.06 QUALITY ASSURANCE

- A. Single Source Responsibility: Provide and install products from single source.
- B. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum thirty (30) years of documented experience.
- C. Technical Representative Qualifications: Contractor shall engage the roofing manufacturer's technical inspector to make periodic inspections of the installation of roof system. The manufacturer's technical inspector shall:
 - 1. Not be a salesperson or have any sales responsibilities
 - 2. Must be an employee of the manufacturer for a minimum of three (3) years.
 - 3. Must have been formally trained by the roofing manufacturer with documentation to prove training.
 - 4. An accredited Registered Roof Observers shall be acceptable.
- D. Manufacturer's Field/Sales Advisor: This person is the manufacturer's representative that has sales responsibilities. This person is required to visit the job site a minimum of once bi-weekly during the entire project. Responsibilities include monitoring the project in addition to the technical inspector described above to assure the specifications are being followed by the roofing contractor and report any discrepancies back to the owner's representatives.
 - 1. Minimum years of roofing experience: 5 years
- E. Installer Qualifications:
 - 1. All products listed in this section are to be installed by a single installer with a minimum of ten (10) years demonstrated experience in installing products from specified manufacturer(s) of the same type and scope as specified.
 - 2. Installer must be capable of extending the Manufacturer's Labor and Materials guarantee.
 - 3. Installer must be capable of extending the Manufacturer's No Dollar Limit guarantee.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials in manufacturer's original containers, dry and undamaged, with seals and labels intact.
- B. Store materials in weather protected environment, clear of ground and moisture.
- C. Ensure storage and staging of materials does not exceed static and dynamic load-bearing capacities of roof decking.
- D. Keep combustible materials away from ignition sources.
- E. Protect foam insulation from direct exposure to sunlight.

1.08 FIELD CONDITIONS

- A. Do not apply roofing membrane during unsuitable weather.

- B. 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 absolute limits.
- C. Safety Data Sheets (SDS) must be on location at all times during the transportation, storage and application of materials.
- D. When positioning membrane sheets, exercise care to locate all field splices away from low spots and out of drain sumps. All field splices should be shingled to prevent bucking of water.
- E. Proceed with roofing work only when weather conditions are in compliance with the manufacturer's recommended limitations, and when conditions will permit the work to proceed in accordance with the manufacturer's requirements and recommendations.
- F. Proceed with work so new roofing materials are not subject to construction traffic. When necessary, new roof sections shall be protected and inspected upon completion for possible damage.
- G. Provide protection, minimum 3/4 inch thick plywood, for all roof areas exposed to traffic during construction. Plywood must be smooth and free of fasteners and splinters.
- H. The surface on which the insulation or roofing membrane is to be applied shall be clean, smooth, dry, and free of projections or contaminants that would prevent proper application of or be incompatible with the new installation, such as fins, sharp edges, foreign materials, oil and grease.
- I. New roofing shall be complete and weathertight at the end of the work day. Remove only as much roofing during a work day as what shall be re-installed in that same work day. Provide temporary tie-ins where new roofing sections meet existing roofing sections yet to be removed.
 - 1. In no case shall all existing roofing be removed and the Air/Vapor Barrier act as a temporary roof without the prior, express, written consent of Westmoreland County Housing Authority.
 - 2. Where Air/Vapor Barrier is utilized as a temporary roof and the elevation of the temporary roofing is such that ponding from rainfall can result, regardless of any weather forecast; provide temporary means to remove water on a continuous basis.
- J. Contaminants such as grease, fats and oils shall not be allowed to come in direct contact with the roofing membrane.
- K. Do not apply roofing membrane to damp or frozen deck surface or when precipitation is expected or occurring.
- L. Do not expose materials vulnerable to water or sun damage in quantities greater than can be weatherproofed the same day.
- M. Schedule applications so that no partially completed sections of roof are left exposed at end of workday. Only as much existing roofing that can be removed and new roofing can be installed shall be performed in any one day.

1.09 WARRANTY

- A. See Section 01 7800 - Closeout Submittals for additional warranty requirements.
- B. System Warranty: Provide manufacturer's system warranty agreeing to repair or replace roofing that leaks or is damaged due to wind or other natural causes.
 - 1. Warranty Term: 30 years.
 - 2. For repair and replacement include costs of both material and labor in warranty.
 - 3. Wind Speed: 72 mph maximum wind speed.
 - 4. Coverage to be extended to include roof edge metal water tightness in accordance with terms stated in the Warranty document.
 - 5. Exceptions NOT Permitted:
 - a. Damage due to roof traffic.
- C. System Warranty, Re-Cover: Provide manufacturer's system warranty agreeing to repair or replace roofing that leaks or is damaged due to wind or other natural causes.

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1. Warranty Term: 20 years.
2. For repair and replacement include costs of both material and labor in warranty.
3. Wind Speed: 72 mph maximum wind speed.
4. Coverage to be extended to include roof edge metal water tightness in accordance with terms stated in the Warranty document.
5. Exceptions NOT Permitted:
 - a. Damage due to roof traffic.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Basis of Design: SynTec Sure-Seal adhered 90-mil black EPDM, products, materials and accessories as manufactured or approved for use by Carlisle Roofing Systems, Inc. (www.carlisle-syntec.com) and the terminology used may include reference to proprietary products of that company.
 1. The various materials and products specified in the specifications by name or description are given to establish a standard of quality of workmanship and materials to be provided under this Section. It is not the intent to limit the bidder, the bid or the evaluation of the bid to any one material or product specified but rather to describe the minimum standard. A bid containing an alternative which does not meet the specifications will be declared non-responsive.
 2. Substitutions: See Section 01 6000 - Product Requirements.
- B. Basis of Design, Re-Cover: SynTec Sure-Seal adhered 115-mil black EPDM FleeceBACK, products, materials and accessories as manufactured or approved for use by Carlisle Roofing Systems, Inc. (www.carlisle-syntec.com) and the terminology used may include reference to proprietary products of that company.
 1. The various materials and products specified in the specifications by name or description are given to establish a standard of quality of workmanship and materials to be provided under this Section. It is not the intent to limit the bidder, the bid or the evaluation of the bid to any one material or product specified but rather to describe the minimum standard. A bid containing an alternative which does not meet the specifications will be declared non-responsive.
 2. Substitutions: See Section 01 6000 - Product Requirements.
- C.

2.02 ROOFING

- A. Roof System: Provide a waterproof roof system, capable of withstanding uplift forces as indicated.
 1. Membrane Attachment: Fully Adhered.
- B. Base Flashing: Provide a waterproof, fully adhered base flashing system at all penetrations, plane transitions and terminations.
- C. Insulation: Provide a roof insulation system beneath the finish membrane.
- D. Elastomeric Membrane Roofing: One ply membrane, fully adhered over insulation and vapor retarder/temporary roof.
- E. Roofing Assembly Requirements:
 1. Wind Uplift Performance:
 - a. Roof system shall be designed to withstand wind uplift forces as calculated using the current revision of ASCE 7.
 2. Fire Resistance Performance: Roof system will achieve a UL Class A rating when tested in accordance with UL 790.
 3. Fire Resistance Performance: Roof assembly shall have been tested by the membrane roofing manufacture and shall have satisfactorily passed UL 1256.
 4. Roof Covering External Fire Resistance Classification: UL (DIR) certified Class A.

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5. Thermal Performance: Average Thermal Value (R), minimum: 30; provide insulation of thickness required.
6. Drainage: Provide a roof system with positive drainage where all standing water dissipates within 48 hours after precipitation ends.
7. Building Codes:
 - a. Roof system will meet the requirements of all federal, state and local code bodies having jurisdiction.

2.03 AIR/VAPOR BARRIER

- A. Air/Vapor Barrier: A 40-mil composite consisting of 35-mils of self-adhering rubberized asphalt laminated to a 5-mil woven polypropylene film and is fully compatible with insulation adhesive.
 1. Primer: Cav Grip III or as recommended by membrane manufacturer.
 2. Basis of Design: VapAir Seal 725TR Air/Vapor Barrier as manufactured or approved for use by Carlisle Roofing Systems, Inc. (www.carlisle-syntec.com) and the terminology used may include reference to proprietary products of that company.
 - a. Substitutions: See Section 01 6000 - Product Requirements.

2.04 ROOFING MEMBRANE AND ASSOCIATED MATERIALS

- A. Membrane: Ethylene-propylene-diene-terpolymer (EPDM); non-reinforced; complying with minimum properties of ASTM D4637.
 1. Thickness: 0.090 inch.
 - a. As re-cover, utilize .115 inch fleeceback membrane.
 2. Color: Black.
 3. Elongation: 480 percent, measured in accordance with ASTM D412.
 4. Tear Strength: 200 lbf per inch, measured in accordance with ASTM D624.
 5. Adhesive: Cav Grip or as recommended by membrane manufacturer.
- B. Seaming Materials: As recommended by membrane manufacturer for indicated warranty.
- C. Flexible Flashing Material: Same material as membrane or as required by manufacturer for warranty.

2.05 DECK SHEATHING

- A. Deck Sheathing: Glass mat faced gypsum panels, ASTM C1177/C1177M, 5/8 inch thick.
 1. Thickness: 5/8 inch, Type X, fire-resistant.
 2. Products:
 - a. Georgia-Pacific; DensDeck Prime with EONIC Technology: www.densdeck.com/#sle.
 - b. USG Corporation; Securock Ultralight Coated Glass-Mat Roof Board: www.usg.com/#sle.
 - c. Substitutions: See Section 01 6000 - Product Requirements.

2.06 INSULATION

- A. Polyisocyanurate (ISO) Board Insulation: Rigid cellular foam, complying with ASTM C1289.
 1. Classifications:
 - a. Type II: Faced with either cellulosic facers or glass fiber mat facers on both major surfaces of the core foam.
 - 1) Class 1 - Faced with glass fiber reinforced cellulosic facers on both major surfaces of the core foam.
 - 2) Compressive Strength: Classes 1-2-3, Grade 3 - 25 psi (172 kPa), minimum.
 - 3) Thermal Resistance, R-value: At 1-1/2 inches thick; Class 1, Grades 1-2-3 - 8.4 (1.48) at 75 degrees F.
 2. Board Size (both Tapered and Constant Thickness): 48 by 48 inches.
 3. Board Thickness: As indicated on Drawings.
 4. Tapered Board: Slope as indicated on Drawings; fabricate of fewest layers possible.
 5. Board Edges: Square.

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2.07 CLEANERS, PRIMERS, ADHESIVES AND SEALANTS

- A. Tape: Splice tape used for splicing adjoining sections of EPDM membrane; width as required for warranty.
- B. Two-Part Pourable Sealer: A black, two-component, solvent-free, polyurethane based product used for tie-ins and as a sealant around hard-to-flash membrane penetrating objects such as clusters of pipes and for a daily seal when the completion of flashings and terminations cannot be completed by the end of each work day. Can also be used for attaching lightning rod bases and ground cable clips to the membrane surface.
- C. Adhesive: A spray or extruded applied, two-component polyurethane, low-rise expanding foam adhesive used for attaching approved insulations to compatible substrates (concrete, cellular lightweight insulating concrete, gypsum, cementitious wood fiber, wood or steel) or existing smooth or gravel surfaced BUR, modified bitumen or cap sheets.
- D. Low VOC Bonding Adhesive: High strength, solvent-based, Low VOC contact adhesive that allows bonding of EPDM membranes to various porous and non-porous substrates.
- E. Low VOC EPDM Primer: Solvent Based, Low VOC primer for one-step cleaning and priming of EPDM surfaces prior to application of SecurTape and other pressure sensitive flashing and seaming products.
- F. Primer: A single component, solvent based, high tack primer used to provide maximum adhesion between Vapor Retarder and an approved substrate.
- G. Cav-Grip: a multi-purpose contact adhesive recommended for enhancing bond of CCW self-adhering sheet products and for bonding board insulation to various substrates.

2.08 EDGINGS AND TERMINATIONS

- A. Counterflashing:
 - 1. Material: Minimum 0.050 inch thick aluminum.
 - 2. Configuration: Surface mounted and recessed with reglet (one or two piece) for existing conditions and in accordance with warranty requirements.
 - 3. Finish:
 - a. Polyvinylidene Fluoride (PVDF) Coating: Superior performing organic powder coating, AAMA 2605; pretreated metal with two coat system including primer and color coat with at least 70 percent PVDF coating.
 - b. Color: As selected by Canzian/Johnston & Associates, LLC from manufacturer's standard colors.
 - 4. Basis of Design: SecurEdge Counter Flashing as manufactured or approved for use by Carlisle Roofing Systems, Inc. (www.carlisle-syntec.com) and the terminology used may include reference to proprietary products of that company.
 - a. Substitutions: See Section 01 6000 - Product Requirements.
- B. Metal Roof Edging and Fascia: Continuous metal edge member serving as termination of roof membrane and retainer for metal fascia; watertight with no exposed fasteners; mounted to roof edge nailer.
 - 1. Wind Performance:
 - a. Membrane Pull-Off Resistance: 100 lbs/ft, minimum, when tested in accordance with ANSI/SPRI ES-1 Test Method RE-1, current edition.
 - b. Fascia Pull-Off Resistance: At least the minimum required when tested in accordance with ANSI/SPRI ES-1 Test Method RE-2, current edition.
 - 2. Anchor bar fascia system.
 - a. Material: Minimum 0.050 inch thick aluminum.
 - b. Fascia Height: 6-1/2 inches and 11 inches .
 - c. Finish:
 - 1) Polyvinylidene Fluoride (PVDF) Coating: Superior performing organic powder coating, AAMA 2605; pretreated metal with two coat system including primer and color coat with at least 70 percent PVDF coating.

- 2) Color: As selected by Canzian/Johnston & Associates, LLC from manufacturer's standard colors.
- d. Basis of Design: Securedge One Fascia and Securedge One Extended Fascia as manufactured or approved for use by Carlisle Roofing Systems, Inc. (www.carlisle-syntec.com) and the terminology used may include reference to proprietary products of that company.
- 1) Substitutions: See Section 01 6000 - Product Requirements.

2.09 ACCESSORIES MATERIALS

- A. New Aluminum Insert Retrofit Drains:
 1. Location(s): Provide at all existing roof drains unless noted otherwise.
 2. Drain Body:
 - a. Material: 1-piece, 11-gauge (0.125-inch) spun aluminum.
 - b. Flange: 17-1/2-inch diameter.
 - c. Drain Stem Length: Verify existing length of rainwater conductor for stem length; verify in field.
 - d. Flange Includes: Six 2-1/2-inch-long aluminum studs.
 - e. Sump Area: Depressed.
 3. Strainer Dome:
 - a. Material: Cast aluminum.
 - b. Height: 7.25 inches.
 - c. Outside Base Diameter: 9.77 inches.
 4. Clamping Ring:
 - a. Material: Cast aluminum.
 - b. Gravel Stop Height: 1.2 inches.
 - c. Drainage Slots: 18 V-shaped.
 - d. Bosses: 6, to accept studs on flange.
 5. Backflow Seal:
 - a. Compression Seal: Watertight, "U-Flow" mechanical seal.
 - b. Material: Polyamide and EPDM rubber.
 - c. Required for Activation: "U-Flow" screwdriver.
- B. Wood Nailers: PS 20 dimension lumber, Structural Grade No. 2 or better Southern Pine, Douglas Fir; or PS 1, APA Exterior Grade plywood; pressure preservative treated.
 1. No pressure treated lumber with chromated copper arsenate (CCA) is acceptable.
 2. Nailers receiving fasteners for metal roof edges shall be minimum 2x6 nominal, solid lumber.
 3. Nailers shall be provided on all roofing sections in order to install the new roofing system and all flashing details per manufacturer's requirements.
- C. Stack Boots: Prefabricated flexible boot and collar for pipe stacks through membrane; same material as membrane.
- D. Surface Conditioner for Adhesives: Compatible with membrane and adhesives.
- E. Thinners and Cleaners: As recommended by adhesive manufacturer, compatible with membrane.
- F. Insulation Adhesive: As recommended by insulation manufacturer and as follows:
 1. Adhesive: A spray or extruded applied, two-component polyurethane, low-rise expanding foam adhesive used for attaching approved insulations to compatible substrates (concrete, cellular lightweight insulating concrete, gypsum, cementitious wood fiber, wood or steel) or existing smooth or gravel surfaced BUR, modified bitumen or cap sheets.
 2. Catalyst: Added to Adhesive to quicken adhesive reaction time.
- G. Fastening Components: As recommended by manufacturer and as follows:
 1. Deck Sheathing Screws:
 - a. Fastening Plate: Nominal 3 inch diameter FM approved metal plate.

- H. Sealants: As recommended by membrane manufacturer.
- I. Walkway Pads: Suitable for maintenance traffic, contrasting color or otherwise visually distinctive from roof membrane.
 - 1. Composition: Roofing membrane manufacturer's standard.
 - 2. Size: 30 by 30 inches.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that surfaces and site conditions are ready to receive work.
- B. Verify deck is supported and secure.
- C. Verify deck is clean and smooth, flat, free of depressions, waves, or projections, properly sloped and suitable for installation of roof system.
- D. Verify deck surfaces are dry and free of snow or ice.
- E. Verify that roof openings, curbs, and penetrations through roof are solidly set, and nailers are in place.
- F. Report in writing to Canzian/Johnston & Associates, LLC all prevailing conditions that will adversely affect satisfactory execution of work. Do not proceed with work until unsatisfactory conditions have been corrected.
 - 1. Starting work constitutes acceptance of the existing conditions and the Contractor shall be responsible for any delays or changes required to existing conditions at the Contractor's expense.

3.02 PREPARATION - GENERAL

- A. Remove all of the existing roof system down to the tapered lightweight fill including all existing composition base flashings. Dispose of all materials properly.
 - 1. At penetrations, remove all existing flashings, including lead, asphalt, mastic, etc.
 - 2. At walls, curbs, and other vertical and sloped surfaces, remove loose and unsecured flashings; remove mineral surfaced and coated flashings; remove excessive asphalt to provide a smooth, sound surface for new flashings.
 - 3. The surface on which the insulation or roofing membrane is to be applied shall be clean, smooth, dry, and free of projections or contaminants that would prevent proper application of or be incompatible with the new installation, such as fins, sharp edges, foreign materials, oil and grease.
- B. Take appropriate measures to ensure that fumes from adhesive solvents are not drawn into the building through air intakes.
- C. Surfaces that require patching shall be patched to match existing adjacent surfaces in order to provide sound surfaces for roofing. Surfaces behind flashings shall be made solid and of uniform planarity so as not to harm membranes.
- D. Curbs that will not be a minimum of 8 inches in height off the finished roof surface shall be extended with new continuous nailers so that the 8 inch curb height off the finished roof surface shall be achieved.
- E. Existing electric, plumbing, HVAC lines, conduit, etc. shall be disconnected and reconnected in order to allow roofing work to proceed.
- F. Carpentry: Nailers shall be provided on all roofing sections in order to install the new roofing system and all flashing details per manufacturer's requirements.
 - 1. Securement of Wood Nailers to Steel Decks
 - a. Provide two staggered rows of fasteners fastened into the top flange of the steel deck with fasteners of sufficient length to protrude 3/4 inches below the steel deck. Space each row of fasteners as follows.
 - 1) Maximum Perimeter Spacing: 24 inches.

- 2) Maximum Corner Spacing or End Spacing (10 feet from corner or exposed end of nailer): 24 inches.
- b. Do not install wood nailers to steel decks that overhang the supporting beam unless the outer extremity of the deck or nailer is secured from vertical deflection by attachment to the roof joists or wall.
2. Securement of Wood Nailers to Structural Concrete Roofs
 - a. Provide two staggered rows of fasteners fastened into the structural concrete deck with fasteners embedded a minimum of 1-1/4 inch. Space each row of fasteners as follows.
 - 1) Maximum Perimeter Spacing: 24 inches.
 - 2) Maximum Corner Spacing or End Spacing (10 feet from corner or exposed end of nailer): 24 inches.
 - b. Do not anchor nailers to lightweight concrete or gypsum toppings.
3. Securement of Wood Members to Wood Nailers
 - a. Secure wood members, such as fascias and top nailers, up to nominal 8 inches wide to lower wood nailers using minimum number 8 screws or equivalent (minimum design withdrawal resistance of 80 pounds per fastener) in two staggered rows. Fasteners shall be long enough to penetrate minimum 1-1/2 inch into the lower wood nailer. Maximum of two nailers may be attached to lower bottom nailer with maximum fascia height of 13 inches. Space each row of fasteners as follows.
 - 1) Maximum Perimeter Spacing: 18 inches.
 - 2) Maximum Corner Spacing or End Spacing (10 feet from corner or exposed end of nailer): 12 inches.

3.03 PREPARATION - CONCRETE DECK

- A. Fill surface honeycomb and variations with latex filler.
- B. Install deck sheathing on tapered lightweight fill.
 1. Lay with long side at right angle to flutes; stagger end joints; provide support at ends.
 2. Cut sheathing cleanly and accurately at roof breaks and protrusions to provide smooth surface.
- C. Mechanically fasten sheathing to roof deck (the underlying precast concrete plank, in accordance with roofing manufacturer's instructions.
 1. Fastener rate for the field of the roof shall not be less than 10 fasteners per 4 foot by 8 foot board. Additional fasteners shall be required for perimeter and corner areas according to uplift calculations.
- D. A vapor retarder / temporary roof to be installed over entire roof area.
 1. Apply vapor retarder/temporary roof to deck surface with adhesive and/or primers in accordance with manufacturer's instructions.
 2. Temporary roof shall be weathertight.

3.04 PREPARATION - METAL DECK

- A. Install deck sheathing on metal deck.
 1. Lay with long side at right angle to flutes; stagger end joints; provide support at ends.
 2. Cut sheathing cleanly and accurately at roof breaks and protrusions to provide smooth surface.
- B. Mechanically fasten sheathing to roof deck, in accordance with roofing manufacturer's instructions.
 1. Fastener rate for the field of the roof shall not be less than 10 fasteners per 4 foot by 8 foot board. Additional fasteners shall be required for perimeter and corner areas according to uplift calculations.
- C. A vapor retarder / temporary roof to be installed over entire roof area.
 1. Apply vapor barrier/temporary roof to sheathing with adhesive and/or primers in accordance with manufacturer's instructions.

2. Temporary roof shall be weathertight.

3.05 INSULATION - UNDER MEMBRANE

- A. Apply air barrier to deck surface with adhesive in accordance with manufacturer's instructions.
 1. Extend air barrier under blocking to deck edge.
- B. Ensure air barrier/temporary roof is clean and dry, continuous, and ready for application of insulation.
- C. Install insulation or membrane underlayment in multiple layers over the substrate with boards butted tightly together with no joints or gaps greater than 1/4 inch. Stagger joints both horizontally and vertically.
- D. Secure insulation to the substrate with the required insulation adhesive in accordance with the manufacturer's current application guidelines.
- E. Do not install wet, damaged or warped insulation boards.
- F. Stagger joints in one direction unless joints are to be taped. Install insulation boards snug. Gaps between board joints shall not exceed 1/4 inch. Fill all gaps in excess of 1/4 inch with same insulation material.
- G. Wood nailers must be at least 5 1/2 inches wide or 1 inch wider than adjacent metal flange unless noted otherwise. Thickness must equal that of insulation but not less than 1 inch thickness.
- H. Miter and fill the edges of the insulation boards at ridges, valleys and other changes in plane to prevent open joints or irregular surfaces. Avoid breaking or crushing of the insulation at the corners.
- I. Attachment of Insulation:
 1. Embed first layer of insulation in full bed of adhesive in accordance with roofing and insulation manufacturers' instructions.
 2. Install insulation layers after the first layer, maximum 4 feet by 4 feet, applied with adhesive, coverage rate as necessary to achieve the specified attachment and uplift rating. Press each board firmly into place after adhesive develops strings when touched and roll with a weighted roller. Add temporary weight and use relief cuts to ensure boards are well adhered. Stagger the joints of additional layers by a minimum of 6 inches.
 3. Enhance the perimeter and corner areas in accordance with the International Building Code, (ASCE 7) or ANSI/SPRI WD-1.
- J. Lay boards with edges in moderate contact without forcing. Cut insulation to fit neatly to perimeter blocking and around penetrations through roof.
- K. Do not apply more insulation than can be covered with membrane in same day.
- L. Install crickets and saddles as per the insulation layout.

3.06 INSTALLATION - MEMBRANE

- A. Install elastomeric membrane roofing system in accordance with manufacturer's recommendations for fully adhered application.
- B. Roll out membrane, free from wrinkles or tears. Place sheet into place without stretching.
- C. Allow the membrane to relax for approximately 1/2 hour before bonding. Fold the sheet back onto itself so half the underside of the membrane is exposed.
- D. Apply the Bonding Adhesive in accordance with the manufacturer's published instructions, to both the underside of the membrane and the substrate. Allow the adhesive to dry until it is tacky but will not string or stick to a dry finger touch.
- E. Roll the coated membrane into the coated substrate while avoiding wrinkles. Brush down the bonded half of the membrane sheet with a soft bristle push broom to achieve maximum contact.
- F. Fold back the unbonded half of the membrane sheet and repeat the bonding procedure.

- G. Install adjoining membrane sheets in the same manner, overlapping edges appropriately to provide for the minimum splice width.
- H. Shingle joints in direction of drainage.
- I. Membrane Splicing:
 - 1. Overlap adjacent sheets and mark a line 1/2 inch out from the top sheet.
 - 2. Fold the top sheet back and clean the dry splice area (minimum 2 1/2 inches) of both membrane sheets with Sure-Seal Primer as required by the membrane manufacturer.
 - 3. Where Splice Tape is not Factory-Applied, apply Splice Tape to bottom sheet with the edge of the release film along the marked line. Press tape onto the sheet using hand pressure. Overlap tape roll ends a minimum of 1 inch
 - 4. Remove the release film and press the top sheet onto the tape using hand pressure.
 - 5. Roll the seam toward the splice edge with a 2 inch wide steel roller.
 - 6. Install Pressure-Sensitive "T" Joint Cover, a 6 inch wide section of Pressure-Sensitive Flashing or Elastoform Flashing over all field splice intersections.
 - 7. When using non-Pressure-Sensitive Elastoform Flashing, seal edges of flashing with Lap Sealant.
 - 8. The use of Lap Sealant with tape splices is optional except at tape overlaps and cut edges of reinforced membrane where Lap Sealant is required.
- J. At intersections with vertical surfaces:
 - 1. Wall and curb flashing shall be cured EPDM membrane. Continue the deck membrane as wall flashing where practicable.
 - 2. Follow manufacturer's typical flashing procedures for all wall, curb, and penetration flashing including metal edging/coping and roof drain applications.
- K. At metal edges, extend membrane under metal edge and down the outside face of the wall.
- L. Coordinate installation of roof drains and sumps and related flashings.

3.07 INSTALLATION - WALKWAY PADS

- A. Install walkway pads at all traffic concentration points (such as roof hatches, access doors, rooftop ladders, etc.) and all locations as identified on the Contract Drawings. Space pad joints to permit drainage.
- B. Adhere walkways pads to the EPDM membrane in accordance with the manufacturer's current application guidelines.

3.08 DAILY SEALS

- A. On phased roofing, when the completion of flashings and terminations is not achieved by the end of the work day, a daily seal must be performed to temporarily close the membrane to prevent water infiltration.
- B. Use pourable sealer or other acceptable membrane seal in accordance with the manufacturer's requirements.

3.09 FIELD QUALITY CONTROL

- A. See Section 01 4000 - Quality Requirements for additional requirements.
- B. Westmoreland County Housing Authority will provide testing services, and Contractor to provide temporary construction and materials for testing in accordance with requirements.
- C. Require site attendance of roofing material manufacturers bi-weekly during installation of the Work.
- D. Inspection by Manufacturer: Provide final inspection of the roofing system by a Technical Representative employed by roofing system manufacturer specifically to inspect installation for warranty purposes (i.e. not a sales person).
- E. Perform all corrections necessary for issuance of warranty.

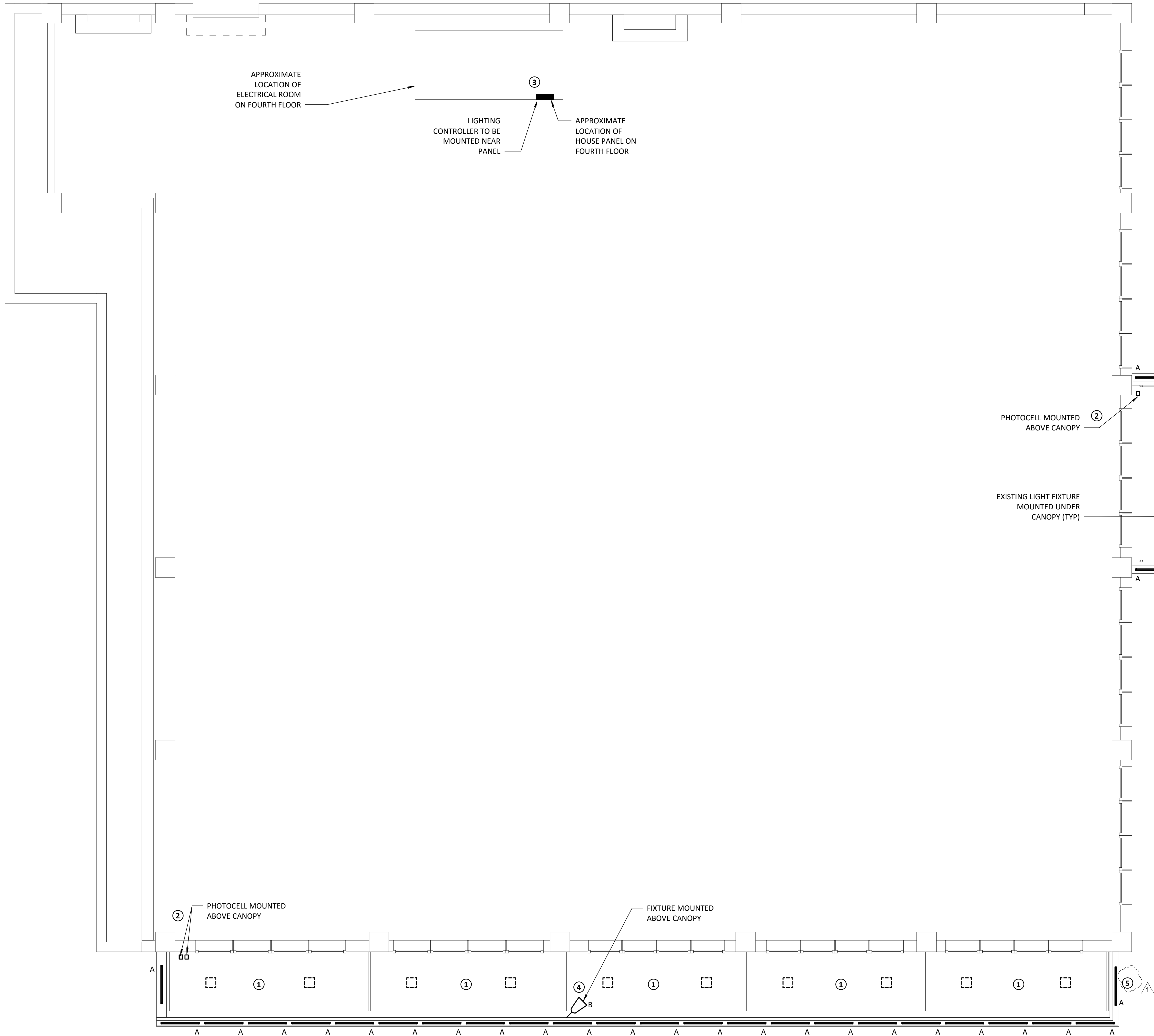
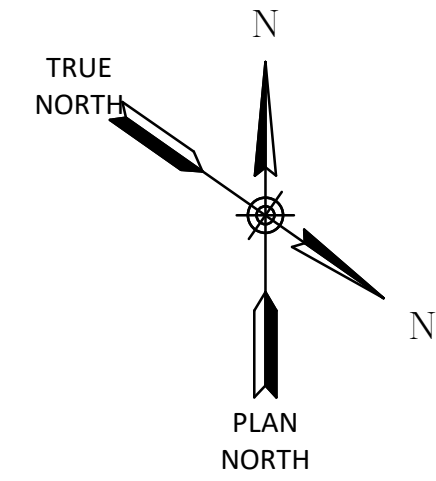
3.10 CLEANING

- A. See Section 01 7000 - Execution and Closeout Requirements for additional requirements.
- B. See Section 01 7419 - Construction Waste Management and Disposal for additional requirements.
- C. Perform daily clean-up to collect all wrappings, empty containers, paper, and other debris from the project site. Upon completion, all debris must be disposed of in a legally acceptable manner.
- D. Prior to the manufacturer's inspection for warranty, the applicator must perform a pre-inspection to review all work and to verify all flashing has been completed as well as the application of all caulking.
- E. Remove bituminous markings from finished surfaces.
- F. In areas where finished surfaces are soiled by work of this section, consult manufacturer of surfaces for cleaning advice and comply with their documented instructions.
- G. Repair or replace defaced or damaged finishes caused by work of this section.

3.11 PROTECTION

- A. Protect installed roofing and flashings from construction operations.
- B. Where traffic must continue over finished roof membrane, protect surfaces using durable materials.

END OF SECTION



- GENERAL NOTES:**
- ALL NOTES ON SHEET E001 APPLY TO THIS DRAWING.
 - PROVIDE THE FOLLOWING CIRCUIT CONDUCTORS BASED ON THE BREAKER RATINGS SHOWN IN THE PANELBOARD SCHEDULES:
•15A & 20A - #12AWG WITH #12AWG GND IN 3/4" CONDUIT

- KEYED NOTES:**
- DEMOLISH EXISTING CANOPY MOUNTED LIGHT FIXTURE. EXTEND EXISTING BRANCH CIRCUITRY TO NEW CANOPY PERIMETER MOUNTED LIGHT FIXTURES. PROVIDE JUNCTION BOXES AND ADDITIONAL BRANCH CIRCUITRY AS REQUIRED FOR EXTENSION. CANOPY SHALL BE PATCHED TO MATCH SURROUNDING AREAS. FEATHER INTO EXISTING FINISHED CONDITIONS TO TRANSITION NEW PATCH WORK WITH EXISTING FINISHED CONDITIONS. ALL PATCHING AND PAINTING SHALL BE DONE IN A MANNER TO MATCH THE EXISTING SURFACE IN APPEARANCE AND FUNCTION. ALL PATCHING SHALL BE PERFORMED BY A CONTRACTOR SKILLED IN THE APPROPRIATE CRAFT AND FINAL PATCHING IS SUBJECT TO REVIEW AND APPROVAL BY THE ARCHITECT.
 - PROVIDE MOUNTING HARDWARE AND NIO PC KIT PHOTOCELL AND PS150 POWER SUPPLY OR APPROVED EQUAL PACKAGE. EXTEND EXISTING EXTERIOR LIGHTING BRANCH CIRCUITRY TO POWER SUPPLY DEVICE, PROVIDE ADDITIONAL BRANCH CIRCUITRY AS NECESSARY. PROVIDE NPS80 POWER SUPPLY AND CAT-5E CABLING FROM THE CONTROLLER TO THE NIO NLI DEVICE. PROVIDE NECESSARY LOW VOLTAGE CABLING FROM POWER SUPPLY TO NIO NLI AND PHOTOCELL ACCORDING TO MANUFACTURER'S REQUIREMENTS. PROVIDE (1) PHOTOCELL KIT FOR 'A' LIGHTS UNDER CANOPY AND (1) PHOTOCELL KIT FOR FLAGPOLE LIGHT 'B'.
 - PROVIDE DMX LIGHTING CONTROLLER ACUITY BRANDS MODEL FCS-7TSN-X WITH INTEGRAL ASTRONOMICAL TIMECLOCK AND COLOR CONTROL OF LIGHT FIXTURES OR APPROVED EQUAL. PROVIDE 120V, 20A CIRCUIT BREAKER IN FOURTH FLOOR HOUSE PANEL AND BRANCH CIRCUITRY TO CONTROLLER. PROVIDE FCSPS10 POWER SUPPLY AND 24V CONTROL CABLING TO CONTROLLER FROM POWER SUPPLY. PROVIDE DMX CONTROL CABLING FROM CONTROLLER TO EXTERIOR LIGHT FIXTURES.
 - PROVIDE FLAG POLE LIGHT FIXTURE ACCORDING TO SCHEDULE. EXTEND EXISTING BRANCH CIRCUITRY AND MAKE FINAL TERMINATIONS AT LIGHT FIXTURE. PROVIDE CABLING FROM CONTROLLER AND PHOTOCELL TO FLAG POLE LIGHT ACCORDING TO MANUFACTURER'S RECOMMENDATIONS FOR ON/OFF CONTROL OF LIGHT FIXTURE. CONFIRM LIGHT FIXTURE LOCATION WITH OWNER PRIOR TO ROUGH-IN.
 - PROVIDE LIGHT FIXTURE PER FIXTURE SCHEDULE. PROVIDE CONTINUOUS ROW OF LIGHT FIXTURES IN CANOPY, FIELD MEASURE CANOPY TO CONFIRM DIMENSIONS. INTERCEPT EXISTING BRANCH CIRCUITRY AND PROVIDE BRANCH CIRCUITRY TO EXTEND TO NEW DRIVERS/FIXTURES. PROVIDE CONTROL CABLING FROM DMX LIGHTING CONTROLLER TO DRIVERS/FIXTURES ACCORDING TO MANUFACTURER'S REQUIREMENTS FOR COLOR CHANGING CONTROL CAPABILITY. PROVIDE LIGHT FIXTURE DRIVERS MOUNTED ON THE INTERIOR OF BUILDING ABOVE AN ACCESSIBLE CEILING, WITHIN 50 FEET OF FIXTURE. EXTEND CONDUCTORS/CABLING FROM DRIVERS TO FIXTURES ABOVE CEILING AND CANOPY.



EXTERIOR LIGHTING PLAN
SCALE: 3/16" = 1'-0"

Dwg. Revisions:	
Revision Number	Revision Date
1	10/16/2025



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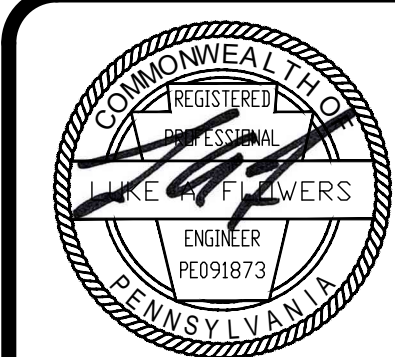
TROUTMANS ROOF AND MASONRY
SITUATE
**TROUTMAN BUILDING 200 SOUTH MAIN ST.,
GREENSBURG, PA 15601**
FOR
**THE WESTMORELAND COUNTY HOUSING AUTHORITY
167 SOUTH GREENGATE, GREENSBURG, PA 15601**

Scale:	As indicated
Date:	OCTOBER 2025
Drawn By:	SD
Checked By:	LAF
Project No.:	2569.077.001
File No.:	

Drawing No.
E100

Dwg. Revisions:

Revision Number	Revision Date
1	10/16/2025



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Monroeville, PA 15146

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TROUTMANS ROOF AND MASONRY

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TROUTMAN BUILDING 200 SOUTH MAIN ST.,

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Scale: As indicated

Date: OCTOBER 2025

Drawn By: SD

Checked By: LAF

Project No.: 2569.077.001

File No.:

Drawing No.

E500

GENERAL NOTES:

1. ALL NOTES ON SHEET E001 APPLY TO THIS DRAWING.

PANEL SCHEDULE HOUSE PANEL LV															
ELECTRICAL CHARACTERISTICS												LOCATION			
120/208V 3Ø												FOURTH FLOOR			
MLO												NEMA 1			
225		42			10										
MAIN BUS		MAIN BREAKER			TOTAL 1P SPACES			KAIC RATING			ENCLOSURE				
CKT	CIRCUIT DESIGNATION	LOAD TYPE	CB RATING	CB POLES	A	B	C	A	B	C	CB POLES	CB RATING	LOAD TYPE	CIRCUIT DESIGNATION	CKT
1	EXISTING LOAD	--	30 A	3	0 VA			0 VA			2	30 A	--	EXISTING LOAD	2
3	--	--	--	--		0 VA			0 VA		--	--	--	--	4
5	--	--	--	--			0 VA			0 VA	1	20 A	--	EXISTING LOAD	6
7	EXISTING LOAD	--	30 A	1	0 VA			0 VA			1	20 A	--	EXISTING LOAD	8
9	EXISTING LOAD	--	20 A	1		0 VA			0 VA		1	20 A	--	EXISTING LOAD	10
11	EXISTING LOAD	--	20 A	1			0 VA			0 VA	1	20 A	--	EXISTING LOAD	12
13	EXISTING LOAD	--	20 A	1	0 VA			0 VA			1	20 A	--	EXISTING LOAD	14
15	EXISTING LOAD	--	20 A	1		0 VA			0 VA		1	20 A	--	EXISTING LOAD	16
17	EXISTING LOAD	--	20 A	1			0 VA			0 VA	1	20 A	--	EXISTING LOAD	18
19	EXISTING LOAD	--	20 A	1	0 VA			0 VA			1	20 A	--	EXISTING LOAD	20
21	EXISTING LOAD	--	20 A	1		0 VA			0 VA		1	20 A	--	EXISTING LOAD	22
23	EXISTING LOAD	--	20 A	1			0 VA			0 VA	1	20 A	--	EXISTING LOAD	24
25	EXISTING LOAD	--	20 A	1	0 VA			0 VA			1	20 A	--	EXISTING LOAD	26
27	EXISTING LOAD	--	20 A	1		0 VA			0 VA		1	20 A	--	EXISTING LOAD	28
29	EXISTING LOAD	--	20 A	1			0 VA			0 VA	1	20 A	--	EXISTING LOAD	30
31	EXISTING LOAD	--	20 A	1	0 VA			0 VA			1	20 A	--	EXISTING LOAD	32
33	EXISTING LOAD	--	20 A	1		0 VA			0 VA		1	20 A	--	EXISTING LOAD	34
35	EXISTING LOAD	--	20 A	1			0 VA			0 VA	1	20 A	--	EXISTING LOAD	36
37	EXISTING LOAD	--	50 A	2	0 VA			0 VA			1	20 A	--	EXISTING LOAD	38
39	--	--	--	--		0 VA			200 VA		1	20 A	--	* LIGHTING CONTROLLER	40
41	EXISTING LOAD	--	20 A	1			0 VA			--	1	--	--	SPACE	42
GENERAL PANEL NOTES:															
METER AMPACITY OF EXISTING PANEL AS REQUIRED BY CODE AND CONFIRM EXISTING AMPACITY IS BELOW 175A. NOTIFY ENGINEER IF RECORDED AMPACITY IS HIGHER.															
* PROVIDE NEW CIRCUIT BREAKER AS INDICATED.															

⚠

LIGHT FIXTURE SCHEDULE										
DESIGNATION	MANUFACTURER	DESCRIPTION	MOUNTING	LAMPS	LUMENS	WARMTH	CRI	MODEL		WATTS
A	LUMENWERX	COLOR CHANGING LINEAR - UNDER CANOPY	SURFACE	LED	4000	N/A	80	MP3448-MP1757-VIAWETS-D-TMG-HLO-QUADRO-WF-4FT-UNV-RDMX-1C-NA-TF-GSM-W		40 W
B	HYDREL	FLAG SPOT LIGHT	WALL	LED	346	3000K	80	SAF1-LED-P1-RGBW3-MVOLT-20DEG-CWL-KM-CJB-DMX		24 W
LIGHT FIXTURE SCHEDULE NOTES:										
1. ARCHITECT TO SELECT ALL TRIM, FINISHES, ETC DURING SUBMITTAL REVIEW FROM ALL AVAILABLE OPTIONS.										
2. MOUNT FIXTURES AS SHOWN ON DRAWING. TYPE 'A' FIXTURE SHALL BE MOUNTED ALONG PERIMETER OF CANOPY IN SOFFIT AREA. TYPE 'B' FIXTURE SHALL BE MOUNTED NEAR FLAG FOR OPTIMUM LIGHTING COVERAGE. PROVIDE ADDITIONAL MOUNTING ACCESSORIES FOR TYPE 'B' FIXTURE IN ORDER TO ADJUST LOCATION OF FIXTURE MOUNTING AS REQUIRED BY OWNER.										
3. PROVIDE POWER SUPPLIES, CONNECTORS AND NECESSARY MOUNTING ACCESSORIES FOR FIXTURES AND ACCESSORIES.										

DETAILS AND SCHEDULES