

**HOUSING AUTHORITY OF THE COUNTY OF SAN BERNARDINO
PROCUREMENT AND CONTRACTS DEPARTMENT
715 E. BRIER DRIVE, SAN BERNARDINO, CA 92408
(909) 890-0644 FAX (909) 890-2349
<http://ww2.hacsb.com/business>**

**ADDENDUM / CLARIFICATIONS #2
RFP PC957 – CANYON VILLA ROOF REPAIR AND REPLACEMENT**

The following addendum to this Invitation to Bid is hereby incorporated into the bid process.

ADDENDUM / CLARIFICATION:

1. Fascia

Question: Who will make selection of what fascia will be replaced?

Answer: HACSB will provide the linear footage and locations of what fascia is to be replaced. Attachment “A” has been added to this IFB.

Clarification: If needed, to properly install fascia contractors can remove roof tiles.

2. Asbestos Report:

Question: Is there an asbestos report for the roof?

Answer: HACSB will provide a survey of the site testing for asbestos with findings, if it is positive HACSB will have site abated and a clearance letter.

3. Balconies:

Clarification: Repair of fascia on all balconies has been removed from the scope of work.

4. Manufacture:

Question: Is there a preferred manufacture of roofing material HACSB will be using?

Answer: HACSB has selected the following manufacture and implementation please see the updated Cost Sheet when submitting your bid.

- Thermoplastic Polyolefin Membranes 60 Mill – **Manufacture:** Carlisle System. Exhibit “B” will contain manufacture installation instructions.

5. Location for Container:

Clarification: HACSB will mark off the location for the trash container onsite

6. HVAC Units:

Clarification: HVAC unit pads are to be lifted and concrete pads to be set at minimum industry standards five (5) inches.

7. Landscape

Question: A man-lift will cause damage to lawn what would HASCSB like to do?

Answer: Contractor is to take reasonable measures to preserve landscape. HACSB understands the can be possible damage to the lawn.

8. Progress Payments

Question: Will there be progress payments for this projects

Answer: Yes, 10% Mobilization, Progress payments each 30 days, 5% retention

9. Warranty: A manufacture minimum warranty of fifteen (15) years

REQUEST FOR QUOTES

Housing Authority of the County of San Bernardino
Procurement & Contracts Department

DATE: _____ BID NO. PC957

DELIVER PROPOSAL TO: 715 E. Brier St. San Bernardino CA, 92408
BY: 2:00pm on March 1, 2018
Attn: Clifford Goss PC957

Materials and/or Services: Roof and Fascia Repair/Replacement

PC957 Roof Repair/Replacement: 2265 Cahuilla St. Colton, CA 923324
Bids Due: 2:00pm on March 1, 2018

Vendor Name: _____

Name and Title of Vendor's contact person: _____

Mailing Address: _____

City, State, Zip: _____

Telephone Number: _____

Fax Number: _____

Email Address: _____

Contractor's License # _____ Expiration Date: _____

The undersigned hereby agrees to furnish all materials, labor, tools, equipment, apparatus, facilities, and transportation necessary to complete all work in strict conformity with the specifications, the Instructions and Conditions attached hereto, and to execute the contract to the satisfaction of the HACSB, at the following cost(s):

Cost of Replacement plywood per sheet \$ _____

Cost for Fascia Replacement (est. 750 L.F.) \$ _____

TOTAL COST OF PROJECT - TPO CARELISLE SYSTEM \$ _____

Contractor Warranty _____ Manufacture Warranty _____

Note: If Proposal is greater than \$25,000 the Proposal shall also include a Bid Guarantee as defined in the Contract Documents. ORIGINAL BID BOND MUST BE DELIVERD TO OFFICE AND RECEIVED BY DUE DATE.

In submitting this Proposal it is understood that the right is reserved by HACSB to reject any and all proposals. If written notice of the acceptance of this Proposal is mailed, telegraphed, faxed or delivered to undersigned within thirty (30) days after the opening thereof, or at any time thereafter before this proposal is withdrawn, the undersigned agrees to a contract in the prescribed form and furnish any required insurance requirements within ten (10) days after the contract is presented to it for signature.

VENDOR'S AUTHORIZED SIGNATURE:

The undersigned hereby certifies that this Proposal is submitted in response to this solicitation.

SIGNED: _____ DATE: _____

Attachment "A"
Fascia Replacement Location

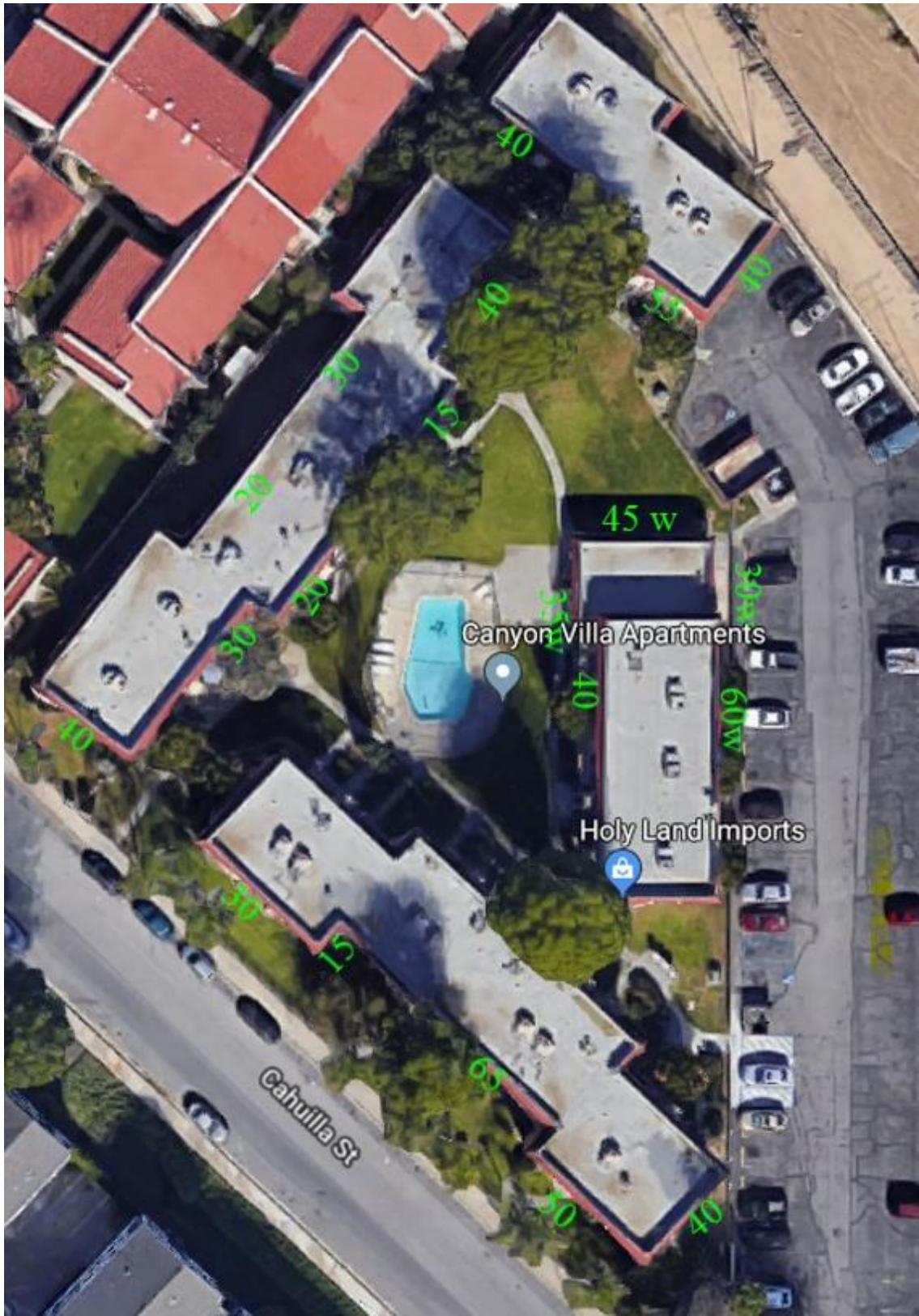


Exhibit B
Manufacture Specifications

SECTION 07545

TPO Membrane Roofing

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. A Mechanically Fastened Thermoplastic TPO Membrane Roofing.
- B. Membrane Flashings.
- C. Metal Flashings.
- D. Supplementary components, accessories and detail work necessary for a complete installation.

1.2 RELATED SECTIONS

- A. Section 06100 - Rough Carpentry: Roof blocking installation and requirements. Roof crickets.
- B. Section 07620 - Sheet Metal Flashing and Trim: Metal flashing and counter flashing installation and requirements.
- C. Section 07700 - Roof Specialties and Accessories: Roof hatches, expansion joints, pavers and other related roof accessories.
- D. Section 08600 - Skylights: Roof Windows and metal framed skylights.
- E. Section 15430 - Plumbing Specialties: roof drains, scuppers, gutters and downspout installation and requirements.

1.3 REFERENCES

- A. American Society of Civil Engineers (ASCE) - ASCE 7 - Minimum Design Loads for Buildings and Other Structures, Current Revision.
- B. ANSI/SPRI WD-1 "Wind Design Standard for Roofing Assemblies".
- C. ASTM International (ASTM):
 - 1. ASTM D 41 - Standard Specification for Asphalt Primer Used in Roofing, Dampproofing, and Waterproofing.
 - 2. ASTM D 1079 - Standard Terminology Relating to Roofing, Waterproofing, and Bituminous Materials.
 - 3. ASTM D 4263 - Standard Test Method for Indicating Moisture in Concrete by the Plastic Sheet Method.
 - 4. ASTM D 4491 - Standard Test Methods for Water Permeability of Geotextiles by Permittivity.
 - 5. ASTM E 96 - Standard Test Methods for Water Vapor Transmission of Materials.
- D. International Code Council (ICC):
 - 1. International Building Code (IBC).
- E. National Roofing Contractors Association (NRCA) - Low Slope Roofing and Waterproofing Manual, Current

Edition.

- F. Sheet Metal and Air Conditioning Contractors National Association, Inc. (SMACNA) - Architectural Sheet Metal Manual.
- G. Underwriters Laboratories (UL):
 - 1. TGFU R1306 - "Roofing Systems and Materials Guide".
 - 2. UL-790 - Standard Test Method for Fire Tests of Roof Coverings.
- H. ANSI/ASHRAE/IESNA Standard 9.1 (2007): Energy Standard for Buildings Except Low-Rise Residential Buildings.

1.4 ADMINISTRATIVE REQUIREMENTS

- A. Coordination: Coordinate the installation of roofing system so that the jobsite is watertight every day.
- B. Preinstallation Meeting: To review conditions and items required for the work of this Section, and to coordinate the work of this Section with the work of related trades, schedule a preinstallation meeting between the Contractor, the Architect, the manufacturer's representative, the applicator, and all related trades.
 - 1. Hold the meeting after submittals have been reviewed and returned by the architect and at least 10 business days before ordering materials or starting work, including preparation.
 - 2. If more than one trade is responsible for the work of this Section, then those trades must also attend the meeting.
 - 3. During the meeting, review
 - a. The Drawings and Specifications, approved submittals, the manufacturer's application instructions, project conditions, and proposed methods and procedures related to roofing application;
 - b. Special details, corner conditions, drainage patterns, penetrations, accessories, components equipment and similar conditions, along with and adjacent construction that might impact or otherwise affect roofing surface preparation or application;
 - c. Substrate surfaces indicated as receiving roofing to verify conformance to the specified requirements, and the manufacturer's substrate tolerance recommendations and surface preparation requirements, including flatness, levelness, damage and imperfections;
 - d. The limitations of floor and roof deck for structural loading both during and after application.
 - e. Governing regulations and specified requirements for certificates, testing and inspection, reports and closeout submittals;
 - f. The sequence of surface preparation and application.
 - g. Temporary protection procedures for protection of stored and applied roofing materials and systems both during and after surface preparation and application
 - h. Roofing applicator to discuss the flashing of HVAC units.
 - 4. Identify conditions detrimental to proper surface preparation and application.
 - 5. Finalize the construction schedule and verify that materials, applicator's personnel, equipment, and facilities are available to permit adherence to the construction schedule.
 - 6. Record significant meeting discussions, including discussions on the subject of required corrective measures and actions that must be taken before starting work. No later than 3 business days after meetings, distribute copies of the minutes of that meeting to the Architect, to each party that was present, and to parties that should have been present.
 - 7. Do not proceed with application until disagreements resulting from meetings are successfully resolved to the satisfaction of the disagreeing parties. Instead, initiate necessary actions to remove impediments to executing the work of this Section and reconvene the meeting at the earliest available date to resolve outstanding disagreements.

1.5 DESIGN CRITERIA

- A. Wind Uplift Performance:
 - 1. Roof system is designed to withstand wind uplift forces as calculated using the current revision of ASCE-7. A **manufacturer** produced ASCE report must be submitted with project documents.
 - 2. Carlisle offers a standard 55 mph wind speed warranty. Please contact Carlisle if a higher wind speed warranty is desired.
- B. Fire Resistance Performance:
 - 1. Roof system will maintain the existing fire rating when tested in accordance with UL-790.
- C. Building Codes:
 - 1. Roof system will meet the requirements of all federal, state and local code bodies having jurisdiction.

1.6 SUBMITTALS

- A. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation methods.
 - 4. Submit copies of warranties with all terms, conditions, and warranty periods clearly defined.
 - 5. Submit SDS information for all products to be used on the project.
- B. Samples: Provides samples of field membrane and base flashings of color to be used on the project.
- C. Manufacturer certificates:
 - 1. Provide signed assembly letter from manufacturer outlining installation requirements for project to be eligible for warranty.
 - 2. Applicator certification: Submit a letter from the manufacturer, on company letterhead, certifying that the proposed applicator has been authorized, certified, licensed, or otherwise trained by the manufacturer and is qualified to apply the roofing. Provide original date of certification with the manufacturer. A minimum of 5 years as a certified installer with the manufacturer is required for this project.
 - 3. Submit signed letter from manufacturer stating the amount of money the manufacturer has in their warranty reserve fund.
 - 4. Submit signed letter from manufacturer stating the number of years they have been successfully manufacturing TPO.
 - 5. Submit current report from the International Code Council Evaluation Services (ICC-ES).
- D. Insurance documents:
 - 1. Provide a signed letter from your workman's compensation insurance stating you experience modification rate.
- E. Qualification Statements: Submit written descriptions of experience, including a list of projects successfully completed by the manufacturer to be used on the project and the applicator within the past 5 years that were similar in material, design, complexity, and extent to this project. Applicator must provide a minimum of 5 single ply installation they have successfully completed.
- F. Maintenance Data: Submit a copy of the manufacturer's recommendations for maintenance including:
 - 1. Recommendations for care, repair, cleaning and maintenance;
 - 2. Recommendations for periodic inspections and identification of common causes of damage.
 - 3. Recommendations for cleaning, including warnings against using materials and methods that are detrimental to the quality, durability, appearance and performance; or that may lead to or result in any specified or other warranty becoming void; and
- G. Manufacturer Reports:
 - 1. During installation: Submit periodic reports issued by a direct employee of the manufacturer printed on

- manufacturer's company letterhead, and documenting applicators conformance with the manufacturer's requirements, instructions and other recommendations.
2. Upon completion of the work submit a copy of the manufacturer's final inspection.
3. Submit final warranties from both the manufacturer and the applicator with complete terms clearly indicated for all warranties covering items furnished or applied under this section.

1.7 QUALITY ASSURANCE

- A. Provide adequate number of experienced workmen regularly engaged in this type of work who are skilled in the application techniques of the materials specified including operation of hot air welding equipment and power supply. Provide at least one thoroughly trained and an experienced superintendent on the job at all times roofing work is in progress.
- B. Installer to probe 100% of all work completed each day.
- C. Installer to provide the building owner with a minimum of 2 signed and dated test welds for each day an automatic welder is used on the project.
- D. There shall be no deviations made from the specification or the approved shop drawings without the prior written approval of the specifier. Any deviation from the manufacturer's installation procedures must be supported by a written certification on the manufacturer's letterhead and presented for the specifier's consideration.
- E. Manufacturer Qualifications: All primary products specified in this section will be supplied by a single manufacturer with a minimum of 20 consecutive years of experience manufacturing roofing similar in material, design, complexity and extent to this project and whose products have resulted in applications with a record of successful in service performance.
 1. Manufacturer must provide published warranty reserve fund documentation showing reserves in excess of \$150 million USD
- F. Source limitations: Source limitations: Non-conformance with the following may negatively affect the specified warranty.
 1. Obtain each type of waterproofing and accessory through one source from a single manufacturer.
 2. All waterproofing items used for the project, including materials, components and accessories, must be installed by the same qualified installer.
- G. Installer Qualifications:
 1. All products listed in this section are to be installed by a single installer with a minimum of five (5) years demonstrated experience in installing products of the same type and scope as specified and that have resulted in applications with a documented record of successful in service performance.
 2. Installer must be capable of extending the Manufacturer's No Dollar Limit labor and material guarantee.
 3. Workman Compensation experience modification rate must be below 1.5.
 4. Applicator to provide evidence of a minimum 5 years of experience as a certified installer of the roofing manufacturer.

1.8 DELIVERY, STORAGE, AND HANDLING

- A. Deliver items to the project site in conformance with the manufacturer's requirements, recommendations, or instructions for transport and delivery; in original unopened containers clearly marked with intact and legible identification labels indicating manufacturer's name and trademark, product type, size, grade, use, lot or batch number and quantity, shelf life and expiration date and ASTM designation or UL classification.
- B. Provide adequate dunnage and bracing during transport and delivery.
- C. Inspect items for damage during delivery and reject items that show damage or have damaged containers.
- D. Store products in manufacturer's unopened packaging until ready for installation.
- E. Store and dispose of hazardous materials, and materials contaminated by hazardous materials, in accordance with requirements of local authorities having jurisdiction.
- F. Protect items from excessive moisture during storing and handling.
- G. Avoid contamination and damage to containers.
- H. Promptly remove, dispose of and replace items that become deteriorated, contaminated or otherwise damaged.
- I. Packaging Waste Management: Do not bury any type of construction waste at the project site. Remove and dispose of construction waste at a disposal location away from the project site.
- J. Material Safety Data Sheets (MSDS) must be on location at all times during the transportation, storage and application of materials.
- K. When loading materials onto the roof, the Carlisle Authorized Roofing Applicator must comply with the requirements of the building owner to prevent overloading and possible disturbance to the building structure.

1.9 PROJECT CONDITIONS

- A. 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.
- B. Do not apply roofing in adverse weather conditions, or when material or ambient temperature are outside the limits recommended by the manufacturer.
- C. 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.
- D. Provide protection, such as $\frac{3}{4}$ inch thick plywood, for all roof areas exposed to traffic during construction. Plywood must be smooth and free of fasteners and splinters.
- E. 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.
- F. Install only as much roofing as can be made weathertight each day, including all flashing and detail work. Apply continuous waterstops at the end of each day's work, and completely remove them before proceeding with the next day's work.
- G. Contaminants such as grease, fats and oils shall not be allowed to come in direct contact with the roofing membrane.

1.10 WARRANTY

- A. At project closeout, provide to Owner or Owners Representative an executed copy of the manufacturer's Total System warranty, outlining its terms, conditions, and exclusions from coverage.
 - 1. Warranty term shall be not less than 15 year from date of completion.
 - 2. Warranty to protect the owner against problems resulting from defective materials, components, accessories and workmanship for at least 15 years after substantial completion.
 - 3. Warranty shall have no dollar limit to remedial work necessary to promptly stop leakage and replace or repair defects. A limited warranty is not permitted.

PART 2 PRODUCTS

2.1 ROOFING MEMBRANE

- A. Description: Fabric-reinforced thermoplastic polyolefin sheet conforming to ASTM D6878, internally fabric or scrim reinforced TPO sheet.
- B. Products: Provide Sure-Weld TPO manufactured by Carlisle SynTec, or equal. Base flashings to consist of 60 mil Sure Weld TPO manufactured by Carlisle Syntec or equal.
 - 1. Color: White
 - 2. Roll size: 6' x100'
- C. Performance requirements:
 - 1. Thickness over scrim minimum 24 mils.
 - 2. Breaking strength: 250 LBF; ASTM D751
 - 3. Elongation at break: 25 percent; ASTM D751
 - 4. Tearing strength: 130 lbf minimum; ASTM D 751, Procedure B.
 - 5. Brittleness Point: Minus 22 deg F.
 - 6. Ozone resistance: No cracks after sample, wrapped around a 3-inch- diameter mandrel, is exposed for 166 hours to a temperature of 104 deg F and an ozone level of 100 pphm: ASTM D 1149
 - 7. Resistance to heat aging: 90 percent minimum retention of breaking strength, elongation at break, and tearing strength after 166 hours at 240 deg F; ASTM D 573.
 - 8. Water absorption: Less than .9 percent mas change after 166 hours immersion at 158 deg F; ASTM D 471
 - 9. Linear dimension Change: Plus or minus .2 percent; ASTM D1204
 - 10. Solar Reflectance:
 - a. Intial reflectance: minimum measured initial solar reflectance value of .79 when tested in compliance with ASTM C 1549, ASTM E 903 or ASTM E 1918
 - b. 3-Year aged reflectance: Minimum measured solar reflectance value of .70 when maintained under normal conditions and tested in compliance with ASTM C 1549, ASTM E 903 or ASTM E 1918.
 - 10. Emittance:
 - a. Initial Emittance; Minimum initial emittance value of .90 when measured in compliance with ASTM C 1371
 - b. 3-Year aged emittance; Minimum emittance value of .86 when maintained under normal conditions and measured in compliance with ASTM C 1371.

2.2 SCOPE / APPLICATION

- A. Roof System: Provide a waterproof roof system, capable of withstanding uplift forces as specified in the Design Criteria article of this section.

1. Membrane Attachment: Mechanically attached with (2) 4' wide perimeter sheets and 8' wide field sheets fastened at 12 inches on center.
 2. Install one layer of FR Base sheet over the properly prepared existing roofing system. Remove roofing at drains as needed to replace drains. Install 2 layers of FR 10 over the bare plywood at the drains.
- B. Base Flashing: Provide a 60 mil TPO waterproof, fully adhered base flashing system at all penetrations, plane transitions and terminations.
- C. Pipe penetrations, flash per manufacture's design and specs. All penetrations will require a factory pre-manufactured boot when feasible.
- D. Scuppers, flash per manufacturer's design and specs. The scuppers must be made from TPO coated metal and the roofing and old scuppers are to be removed prior to installing the new scuppers.
- E. Install all drain details per manufacturer's design and specs. All existing drains to be replaced by the contractor with new drains from Frank Pattern model 853SN or equal. Contractor to include all cost necessary to install new drains. Include all demo of existing and framing necessary to access the drains and framing necessary to install the new drains. New drains are to be framed in such a manner that they are flush with the deck and do not sit above the deck.
- F. At existing coping install TPO membrane flush with the coping metal. Install flat stock galvanized sheet metal tucker flashing to counter flash the base flashing on the walls. Secure the tucker flashing with #12 screws and neoprene washers spaced at 12 inches on center.
- G. All membrane terminated on curbs or parapets must be installed per manufacturer's design and specs. Pre-manufactured accessories must be used at all inside and outside corners.
- H. Contractor responsible for roofing around HVAC units / lifting HVAC as needed / Disconnecting HVAC units as needed / raising HVAC units as needed or any other equipment on the roof to be able to provide the owner with the manufacturer's 15 year warranty.
- I. Install walk pad around roof access points.
- J. Roof Hatches to be raised a minimum of 6 inches above the finished roof.
- K. Any sleepers, or equipment pads that are going to sit on the finished roof will require a slip sheet of 60 mil TPO between the equipment and the finished roof.

2.3 ACCESSORIES

- A. Adhesives:
1. Manufacturer's standard LOW VOC Aerosol Adhesive Cav Grip III or equal.
- B. Sealant: Manufacturer's standard single ply sealant and water cut off mastic.
- C. Solvent Cleaner: VOC compliant solvent cleaner recommended or approved by the roofing membrane manufacturer.
- D. Fasteners and other accessories: provide as required, recommended approved and accepted by the roofing membrane manufacturer.

2.4 FLASHING ACCESSORIES

- A. Flashing of parapets, curbs, expansion joints and other parts of the roof must be performed using Sure-Weld membrane or Sure-Weld reinforced membrane.
- B. Follow manufacturer's typical flashing procedures for all wall, curb, and penetration flashing including metal edging/coping and roof drain applications.

2.5 EDGINGS AND TERMINATIONS

- A. TPO Coated Metal: 4 foot by 10 foot coated metal sheets made from 24 gauge galvanized steel with a minimum .035 inch (0.9mm) thick non-reinforced Sure-Weld laminate. Sure-Weld membrane can be welded directly to the Sure-Weld Coated Metal in accordance with the manufacturer's detail. Color to match membrane.
- B. Termination Bar: 1 inch (13 mm) wide, .098 inch (2.5mm) thick extruded aluminum bar pre-punched 6 inches (152 mm) on center with sealant ledge to support Lap Sealant.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared. Verify that roof openings and penetrations are in place set and braced.
- B. Contractor responsible for cleaning the existing roof of all trash and debris prior to starting the installation of the new roofing system.

3.2 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.
- C. Tear off the existing roof down to the wood deck at roof drain locations for drain replacement.
- D. Install all new cast iron drains Frank Pattern or equal as per the building code plumbing requirements. Repair wood deck as need in drain locations to restore to original condition. All wood work performed to replace drains to be included in the bid and not a change order item.
- E. Install one layer of FR base sheet over the properly prepared substrate over the entire roof. At locations where existing roofing was removed to replace the drains install 2 layer of FR base sheet. Install base sheet per manufacturer's instructions.

3.3 MEMBRANE PLACEMENT AND ATTACHMENT

- A. Position Sure-Weld membrane over the acceptable substrate.
 - 1. Mechanically fasten 60 Mil TPO membrane 12 inches on center with (2) 4' perimeter half sheets and 8' field sheets
- B. Position adjoining sheets to allow a minimum overlap of 5.5 inches.
- C. Continue to install adjoining membrane sheets in the same manner, overlapping edges a minimum of 5.5

inches and welding as stated previously.

3.4 SEAM WELDING

- A. Hot-air weld membrane using an Automatic Hot Air Welding Machine or Hot Air Hand Welder in accordance with the manufacturer's current guidelines. At all splice intersections, roll the seam with a silicone roller to ensure a continuous hot air welded seam.
- B. Overlay all splice intersections with Sure-Weld T-Joint Cover.
- C. Probe all seams once the hot air welds have thoroughly cooled (approximately 30 minutes).
- D. Repair all seam deficiencies the same day they are discovered

3.6 FLASHING

- A. Flashing of parapets, curbs, expansion joints and other parts of the roof must be performed using reinforced membrane or prefabricated accessories. Sure-Weld non-reinforced membrane may be used for flashing pipe penetrations, Sealant Pockets, and scuppers, as well as inside and outside corners, when the use of pre-molded or prefabricated accessories is not feasible.
- B. Follow manufacturer's typical flashing procedures for all wall, curb, and penetration flashing including metal edging/coping and roof drain applications.

3.7 WALKWAYS

- A. Install walkways at all traffic concentration points (such as roof hatches, access doors, rooftop ladders, etc.) and all locations as identified on the Contract Drawings.
- B. Hot-air weld walkway pads to the membrane in accordance with the manufacturer's current application guidelines.
- C. Walkways are not to be installed over membrane seams when possible.

3.8 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. Complete an acceptable membrane seal in accordance with the manufacturer's requirements.

3.9 CLEAN UP

- A. 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.
- B. 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.

3.10 PROTECTION

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

END OF SECTION