
SPECIFICATION FOR THE INSTALLATION OF A NEGATIVE FLOW ROOF SYSTEM

1.00 GENERAL CONDITIONS

1.01 Description

- A. Scope: Furnish and install a complete **proSeal** Roofing Systems™ utilizing the Wind to secure the roof system with a mechanically fastened perimeter only and 6" NEGATIVE PRESSURE Valve Vents.
- B. Related Work: The work includes but is not necessarily limited to the installation of:
 - 1. Insulation
 - 2. Slip Sheet (where required)
 - 3. Fasteners
 - 4. Roof Membrane
 - 5. Prefabricated Flashings for Protrusions of Pipes, Curbs, Skylights.
 - 6. Walkways and Decking Materials
 - 7. Double Sided Clad Metal/Edge Metal & Detail Metal
 - 8. Sealants and Adhesives
 - 9. Exhaust Vents/Plumbing Stacks
 - 10. Vents & Vent flashings (One-way & Two-way Vents)
- C. Upon successful completion of the work, and depending on the chosen thickness of the **proSeal** C3 PVC Single-Ply Membrane the following warrantee maybe obtained:
 - 1. Manufacturer's Labor & Materials Warranty (15, 20, 25, or 30 years)

1.02 Quality Assurance:

- A. This roofing system shall be applied only by a contractor trained and authorized to install a **proSeal** roofing system™ as well as a Negative Flow System™ prior to bid.
- B. The roofing membrane used in Negative Flow System™ shall be **proSeal** C3 PVC single-Ply roofing system shall be a product of a membrane supplied only by RPW Associates, Inc.
- C. Upon completion of the roofing project, the roofing contractor shall submit, to RPW Associates, Inc, a Request for Inspection Form or notice of completion form, certifying that all work has been done in accordance with the contract specification and the **proSeal** Roofing Systems™ requirements. If a manufacturer's labor & materials warranty was requested, an inspection shall be made by a representative of RPW Associates, Inc, to observe the roofing system.
- D. There shall be no deviation made from the contract specification or the approved shop drawings without prior written approval by the owner and RPW. If any items are found to be deficient that cannot be corrected at the time of inspection a punch list will be made and sent to the roofing contractor for correction.

1.03 Submittals

The roofing contractor shall submit to the owner's representative the following:

- A. Copies of specification.
- B. Written approval by the insulation manufacturer (as applicable) for use and performance of the product in the proposed system.
- C. Specimen copy of a Wind Ballasted warranty.
- D. Dimensioned shop drawings, which shall include:
 - 1. Outline of roof/s, dimensions & height of each building.
 - 2. Submit any special details, not included in manual, for approval.
 - 3. Existing roof covering, if recover.
 - 4. Complete & fax a project award notification (PAN) form to RPW Associates, Inc.

1.04 Product Delivery, Storage, and Handling

- A. All products delivered to the job site shall be in the original unopened containers or wrappings.
- B. Handle all materials to prevent damage. Place all materials on pallets and fully protect from moisture.
- C. Membrane rolls shall be stored lying down on pallets, and fully protected from moisture with canvas tarpaulins.
- D. Bonding adhesives shall be stored at temperatures above 40° F.
- E. All flammable materials shall be stored in a cool, dry area away from sparks and open flames. Follow precautions outlined on container or supplied by RPW Associates, Inc..

1.05 Job Conditions

- A. Install only as much new roofing and flashings as can be made watertight each day.
- B. All roofing shall be completed without exposing the building interior, its contents, or employees to inclement weather. Relative to the roofing project, the contractor assumes all responsibility for maintaining the building in a dry condition during the project.
- C. All surfaces to receive new insulation, membrane, or flashings shall be thoroughly dry. Should surface moisture occur, the contractor shall provide the necessary equipment to dry the surface prior to the application.
- D. The owner's representative or roofing contractor to run pullout tests of fasteners to verify condition of deck/substrate and to confirm pullout values.
- E. Temporary water stops that maybe required shall be installed at the end of each day's work, and shall be removed before proceeding with the next day's work.
- F. Arrange work sequence to avoid use of newly constructed roofing for storage, walking surface, and equipment movement. Where such access is absolutely required, the contractor shall provide all necessary protection and barriers to segregate the work area and to prevent damage to adjacent areas.
- G. Prior to and during application, all dirt, debris, and dust shall be removed from surfaces by vacuuming, sweeping, blowing with compressed air, and/or similar methods.
- H. All new and existing roofing, insulation, flashings, adhesive cans, metal work, and general construction debris shall be disposed of properly following all applicable local, state, and federal regulations.
- I. The contractor shall follow all safety regulations as recommended by OSHA.
- J. The contractor should take care during application and storage that overloading of the deck and structure does not occur.
- K. Installation of the **proSeal** C3 Single-Ply Membrane over coal tar pitch, or a re-saturated roof, may require special installation precautions and techniques. Consult the technical department for such additional information.
- L. Liquid materials such as solvents and adhesives shall be stored and used away from open flames, sparks, and excessive heat.
- M. Until the roof is completed, contaminants, such as grease, fats, oils, and solvents, shall not be allowed to come into contact with the roofing membrane. Any such contact shall be reported to.
- N. The contractor shall verify that all roof drain lines are unblocked before starting work. Report any such blockages to the owner's representative and in writing.
- O. If any unusual or concealed condition is discovered, stop work and notify the owner and immediately in writing.
- P. All areas affected by construction activities shall be cleaned.
- Q. The roofing contractor should take necessary precautions when using adhesives around air intakes. The smell of the adhesive could be a disturbance to the building owner and occupants. It is the roofing contractor's responsibility to coordinate equipment to be turned off and on, with the owner, if necessary.

1.07 Warranties

- A. Commercial Materials Warranty: 15, 20, 25, 30 year warranties are available at no charge to the owner.

2.00 PRODUCTS

2.01 General

- A. The **proSeal** roofing membrane and its related products confirm having over 25 years experience in producing Single-Ply Membrane.
- B. The roofing contractor may submit components to be used that are other than those supplied or manufactured by RPW Associates, Inc for review and acceptance.

2.02 Approved Membrane

- A. **proSeal** C3 PVC (40, 45, 48, 60 80 mil), nominal thickness, polyester-reinforced membrane.
- B. **proSeal** C3 Single-Ply Membrane shall conform to ASTM D4434 - 96 Standard for polyvinyl chloride sheet roofing. Classification: Type 3. CGSB 37.54-95 Type 4 class B,C & D

2.03 Product Description:

- A. Membrane Color: White
- B. Custom fabricated sheets up to 20'x 50' long, can be supplied

2.04 Acceptable Substrates

- A. Insulations (Fanfold EPS, extruded / expanded Polystyrene, or Polyisocyanurate) *
- B. Smooth-Surfaced, Exterior Grade Plywood *
- C. Structural Concrete with Steel Trowel Finish
- D. Cellular Concrete with Smooth Darby Finish *
- E. Metal *
- F. Wood Decks (T&G & shiplap). Fastener pull test required for decks less than 1' in thickness.

2.05 Related Materials

The following products are supplied and warranted by the **proSeal** Roofing Systems™ and may be incorporated in specifications or drawing details as supplied by RPW Associates, Inc:

- A. Membrane Walkway: Weldable Polyester-reinforced membrane. 55 mil for traffic areas,
- B. Polyester Felt: Non-asphaltic polyethylene felt used as an asphalt barrier and leveling layer.
- C. Automatic Hot-Air Welder: Automatic hot-air welding equipment for seaming of sheets.
- D. Prefabricated Details: Inside/outside corners, sign supports, cones for any size pipe or wire, angle braces and HVAC ducting.
- E. Double Sided PSR-PVC Clad Metal: Standard prefabricated and custom edge metal, for use for edge details. (Some customized edge metal may need special fastening & warranty considerations, check with RPW Associates, Inc's Technical Department.)

- F. Deck Fasteners: Self-tapping, corrosion-resistant fasteners, for use in steel and wood decks, and corrosion-resistant nail-in type fasteners for structural concrete decks (pre-drilling is required), and auger type fasteners for gypsum and tectum decks. Corrosion-resistant plates for membrane and insulation securement.
- G. Membrane Plates: 20-gauge, corrosion-resistant 2" round metal distribution plates for securement of **proSeal C3** Single-Ply Membrane. **Plastic plates are not acceptable.**
- H. Flashing Membrane Adhesive: The adhesive for bonding flashing membrane to vertical flashings shall be PSR-1700. Substrate must be compatible, clean, dry, and solvent resistant.
- I. 6" NEGATIVE PRESSURE AIR VENTS / Valve: Aluminum vent with rubber valve to let air escape from the roof system. Vent comes with a pre-welded flange.

2.06 Related Materials

- A. Wood nailers
 - 1. Wood nailers shall be treated for fire and rot resistance), #2 or better lumber. Creosote, (wolmanized or osmose treated or asphaltic-treated lumber is not acceptable.
 - 1. Wood nailers shall conform to Factory Mutual's Loss Prevention Data Sheet 1-49.
 - 2. All wood shall have a maximum moisture content of 19% by weight on a dry weight basis.
- B. Insulation
 - 1. Expanded Polystyrene 1 lb/cubic foot minimum
 - 2. Polyisocyanurate 1.5 lbs/cubic foot minimum
- C. Insulation Attachment
 - 1. Fasteners and plates shall be Factory Mutual approved and meet FM Standard 4470 for corrosion resistance.
Note: Roof Systems does not accept plastic plates.
- D. Fasteners for Securement of **proSeal C3** Single-Ply Membrane
The following fasteners are accepted for use in steel and wood decks:
 - 1. Corrosion-resistant screw and membrane plates, as supplied by RPW Associates, Inc.
- E. Slip Sheet (where required)
The following slip sheet is acceptable over incompatible insulation and substrates in a mechanically attached system:
 - 1. Polyethylene-felt 4 ounce, for use over smooth-surfaced built-up roofing or metal
 - 2. Polyethylene-felt 16 ounce, for use over rough built-up roofing or roofs with embedded gravel.
 - 3. Fire Sheet 10-50 mil, for use over new or existing roofs where a fire rating upgrade is requested.
- F. Sealants and pitch pocket fillers
 - 1. The following caulking/sealants are acceptable to use with the **proSeal** Membrane:
 - a. Roof Systems polyurethane caulking.
 - b. One part Polyurethane by Tremco or Sonneborne.
- G. Miscellaneous Fasteners and Anchors
All fasteners shall be the same type as the metal being secured. In general, all fasteners, anchors, nails, and straps shall be of zinc or cadmium plated steel, galvanized, or stainless steel. All fasteners and anchors shall have a minimum embedment of 1" and shall be approved for such use by the fastener manufacturer. Fasteners for attachment of metal to wood blocking shall be galvanized nails with 1" minimum penetration. Fasteners for attachment of metal to masonry shall be expansion type fasteners. All fasteners shall meet Factory Mutual Standard 4470 for corrosion resistance.

3.00 EXECUTION

3.01 General

- A. Application of the Negative Flow Roof Systems materials constitutes an agreement that the contractor has inspected and found the substrate suitable for the installation of the **proSeal** Roofing System.
- B. The contractor shall coordinate the installation, making each area watertight at the end of each workday.

3.02 Deck Preparation

The roof deck and existing roof construction must be structurally sound to provide support for the new roof system. If insulation is being fastened to the substrate, requires fastener pullout tests to verify deck condition and fastener pullout values.

3.03 Substrate Preparation

- A. A proper substrate shall be provided to receive the **proSeal** C3 Single-Ply Membrane and Negative Flow Roof system.
- B. The roofing contractor shall inspect the substrate for defects such as excessive surface roughness, contaminated surfaces, structurally unsound substrates, etc., that will adversely affect the quality of work.
- C. The substrate shall be clean, smooth, dry, and free from flaws, sharp edges, loose and foreign material, oil, and grease. Roofing shall not start until all defects have been corrected.
- D. All roof surfaces shall be free from water, ice, or snow.
- E. Re-roofing over existing roofing
 - 1. On graveled surfaces, remove all loose gravel and debris by power sweeping or vacuuming.
 - 2. Scratch and remove accumulations of bitumen or other irregularities to produce a relatively smooth surface. Remove and replace any areas of wet insulation, deteriorated roofing or deck.
- F. The **proSeal** C3 Single-Ply Membrane shall be directly applied over compatible and acceptable substrates only.

3.04 Wood Nailers

- A. Install continuous treated wood nailers at the perimeter of the entire roof and around roof projections and penetrations as specified on project drawings(if not previously installed
- B. Nailers shall be anchored to resist a minimum force of 175 pounds per lineal foot in any direction. Fastener spacing shall be a maximum of 3' o.c. Fasteners shall be installed within 6" of each end. Spacing and fastener embedment shall conform to Factory Mutual Loss Prevention Data Sheet 1-49.
- C. Thickness shall be as required to match substrate or insulation height.
- D. Any existing woodwork that is to be reused shall be firmly anchored in place (shall resist a minimum force of 175 pounds per lineal foot in any direction) and free from rot.
- E. Only woodwork designated to be reused in detail drawings shall be left in place and all other woodwork shall be removed.

3.05 Vapor Barrier Installation

A. General criteria

Interior and/or exterior conditions (inside temperature/relative humidity) may warrant the use of a vapor barrier. The design professional shall, based upon information supplied by the owner, decide whether a vapor barrier is necessary. It is the design professional's responsibility to determine the type and location of a vapor barrier. A vapor barrier can also act as an overpressure barrier should interior air pressure be a concern. **proSeal** Roof Systems requires the use of an acceptable vapor barrier/overpressure barrier over non-monolithic decks (steel, wood, precast, etc.). In lieu of the vapor barrier/overpressure barrier, a double layer of insulation with staggered joints can be used; however an air tight completion of the deck or insulation system is mandatory.

B. Re-roofing over existing roofing

Under normal conditions the existing built-up roofing may be considered an adequate air / vapor barrier. Consult for special conditions such as cold storage freezers and high-humidity occupancies.

3.06 Insulation Installation

- A. The prepared substrate shall be smooth, clean, dry and free of defects.
- B. The insulation shall be laid out on the substrate in parallel rows.
- C. All joints shall be staggered with no gaps larger than 1/8".
- D. If positive drainage is a recommendation, tapered insulation should be considered.
- E. Mechanical Attachment: Insulation shall be mechanically attached to the deck with fasteners and 3" plates to prevent movement of the insulation. The deck type and thickness, thickness of the new insulation, and the thickness of the existing roof, if left in place, shall determine the fastener type and length. The fastener placement shall be as required by the insulation manufacturer.
- F. Insulation shall be fastened at a rate of 1 / 16 ft²

3.07 proClad Metal Edge (24 GA. White Only)

Note: All clad metal shall be double-sided proClad PVC metal.

All flashings shall be installed concurrently with the roof membrane as the job progresses.

- A. proClad metal flashings shall be sealed and installed per detail drawings.
- B. The fastening flange of the proClad metal shall be a minimum of 2½" in width.
Note: Hold back nails 1" from the outside edge of the proClad metal so the membrane and/or flashing can be welded to the clad metal completely covering all nails by 1" minimum.
- C. Metal shall be installed to provide adequate resistance to bending and allow for normal thermal expansion contraction.
- D. proClad metal shall be spaced ¼-½" apart. A 4" wide strip of flashing membrane shall be hot air welded over the center of the joint.
- E. A 24-gauge (minimum) continuous hook strip is required if proClad metal fascia exceeds 5" in width. The hook strip is to be fastened 12" o.c. into the wood nailer or the masonry wall.
- F. Install proClad metal and hook strip in accordance with Factory Mutual's Loss Prevention Data Sheet 1-49.

- G. proClad metal may be painted after roofing project is complete with exterior latex paint. Caution should be taken to prevent over spray of paint onto roofing or building surfaces.

3.09 Installation of the *proSeal* C3 Single-Ply Membrane

A. General

1. The surface of the insulation or substrate shall be inspected prior to installation of the *proSeal* C3 Single-Ply Membrane. The substrate shall be clean, dry, and smooth with no excessive surface roughness, contaminated surfaces, or unsound surfaces such as broken or delaminated insulation boards.
2. *proSeal* C3 Single-Ply Membrane is to be attached according to the *proSeal* Roof Systems™ specifications and details.
3. Membrane overlaps shall be shingled with the flow of water where possible.

B. Perimeter Attachment to Deck

The membrane shall be attached to the deck using the Termination Bar at all perimeters and roof projections as required ensuring that the Negative Flow™ “Air-Seal rope has been installed directly under the *proSeal* C3 membrane to form a continuous seam to the roof substrate. An additional termination bar maybe required 3’ from the perimeter edge in high wind areas; consult the technical department for verification to prevent wind uplift at the parapet wall area.

C. Interior Field Sheets

proSeal C3 Single-Ply Membrane shall be unrolled and positioned, without stretching, as close to and parallel with roof edges as possible. Adjoining rolls of roofing membrane shall be unrolled and perpendicular to thermal insulation, lapping the previous membrane edges a minimum of 2-4”, depending on welding equipment used, to obtain a minimum 2” wide seam weld. Do not stretch membrane. A continuous 2” in-seam hot air lap weld is required. Excess heat shall be kept away from the insulation or separation layer. All seams shall be tested with a Probe for integrity.

D. Perimeter Attachment to Parapet Walls

The membrane should be sealed prior to installing term bar to the parapet wall.

E. 6” one-way NEGATIVE PRESSURE VENTS valve

Two (2) Negative pressure vents are required at all perimeter corners whereas they should be placed 3’ in from the roof edge and 7’ from the roof corner

Vents shall be installed at the rate of 1 vent for each 40’ of perimeter plus 1 vent for each 40’ of ridge. A ridge is defined at the intersecting high point of the two roofs having 1 in 12 slopes.

F. Roof Height and Open Doors:

On installations, where deck heights exceed 50-feet, or in coastal areas or on buildings that have large door openings, such as truck docks; airplane hangars, etc., contact the Technical Department for special fastening requirements and specific job approval.

3.10 Membrane Flashing

- A. All flashings shall be installed concurrently with the roof membrane as the job progresses. No temporary flashings shall be allowed without the prior written approval of the project manager and approval shall only be for specific locations on specific dates. If any water is allowed to enter under the new roofing due to incomplete flashings, the affected area shall be removed and replaced at the contractor’s expense. Flashings shall be adhered to compatible, dry, smooth, and solvent-resistant surfaces.

- B. Flashing at the roof perimeter and at all penetrations including drains, pipes, conduits, curbs, walls, and expansion joints, shall be sealed as shown on approved drawings.
- C. 1700 Contact Adhesive for Flashing
1. Over the properly installed and prepared substrate surface, 1700 adhesive shall be applied using approved solvent resistant paint rollers. The adhesive shall be applied at a rate of approximately $\frac{3}{4}$ to 2 gallons per 100 square feet of surface depending upon substrate. The adhesive shall be applied in smooth, even coatings with no holidays, globs, puddles, or similar irregularities. Only an area that can be covered completely in the same day's operations shall be coated with adhesive. The surface with adhesive coating shall be allowed to dry completely prior to installing the membrane.

Notes:

 - a. Drying time increases with cooler temperatures and high humidity conditions. The contractor shall check with the technical representative prior to roof operations on such days.
 - b. The contractor shall count the amount of adhesive used per square, and shall count the number of buckets of adhesive used per area per day to verify that he is conforming to the specified adhesive rate.
 2. When the surface is dry, the flashing membrane is cut to a workable length and the underside shall be coated evenly with 1700 adhesive at a rate of 1/2 gallon per 100 square feet. **NO BONDING ADHESIVE SHALL BE APPLIED IN LAP AREAS.** While the adhesive is active (produces strings when touched with a dry finger), the coated membrane shall be rolled carefully onto the previously coated substrate to avoid wrinkle. Do not allow adhesive on the underside of the membrane to dry completely. The amount of membrane that can be coated with adhesive before applying to substrate will be determined by ambient temperature, humidity, and manpower. Adjacent sheets shall be overlapped a minimum of 4" flashings shall extend 5" onto the roofing membrane. The bonded sheet shall be pressed firmly into place with a hand roller.
 3. No bonding adhesive shall be applied in lap areas that are to be welded to flashings or adjacent sheets. All sheets shall be applied in the same manner, lapping all sheets as required by welding techniques.
- D. All flashings shall extend a minimum of 8" above roofing level unless previously accepted by the owner's representative and
- E. All flashing membranes shall be fully adhered to solvent-resistant substrates. All interior and exterior corners and miters shall be cut and hot air welded into place.
- F. All flashings shall be hot air welded at their joints and at their connections with the roof membrane.
- G. All flashing membranes shall be mechanically attached along the top edge using 2" metal plates and fasteners, or use a predrilled metal termination bar as specified by. Both details require fastening spaced 12" o.c. max. Self Sealing masonry fastener set in predrilled holes shall be used to secure flashings to masonry and concrete surfaces.
- H. flashings shall be terminated according to recommended details.

3.11 Hot-air Welding of Seams & Overlaps

A. General

1. Adjacent sheets shall be welded in accordance with the manufacturer's written instructions. All side and end laps shall be hot-air welded.
2. Welding equipment shall be provided by or approved by RPW Associates, Inc
3. All surfaces to be welded shall be clean according RPW Associates, Inc recommendations. No adhesive or other contaminants shall be present within the lap areas.

B. Hand Welding

It is recommended that automatic welders be used as much as possible. We encourage hand welding kept to detail work and smaller seams.

C. Machine Welding

automatic welding equipment will help to insure that proper field seams are made. When using this equipment, the manufacturer's instructions shall be followed and local codes for electric supply, grounding, and over current protection observed. The automatic welding machines require 218 to 230 volts at 20 amps. The use of a portable generator is recommended.

D. Quality Control of Welded Seams

The roofing contractor shall check all welded seams, after cooling, for continuity by use of the seam probe. The contractor shall make on-site evaluation of welded seams daily. A final probing of all seams & details shall be made at the conclusion of the project. When automatic welding equipment is first started or any times that the equipment is cooled and restarted a minimum of two seam test cuts are required. The test cut shall be approximately 2" wide, cross cutting the seam. These test cuts shall be dated, marked for location, and kept by the contractor in case future evaluation is needed.

3.12 Walkway Installation

A. General Criteria

Walkways shall be provided for regular maintenance of rooftop equipment and for roof areas subject to foot traffic.

1. **proSeal** Walkway Installation

- a. Roofing membrane to receive **proSeal** Walkway shall be clean and dry.
- b. Apply chalk lines on deck sheet to indicate location of **proSeal** Walkway.
- c. Apply a continuous coat of 1700 to the deck sheet at a rate of 3/4 gallon per 10 square feet. Keep adhesive back 3" from location lines (see step b) for hot-air welding. Allow adhesive to dry completely.
- d. **proSeal** Walkway shall be unrolled and positioned within chalk lines, then folded back on itself exposing the underside for one-half of its length.
- e. A continuous coat of 1700 adhesive shall be applied to the feet. Keep adhesive back 3" from the edge of the sheet for hot air welding. This adhesive shall be allowed to dry sufficiently to produce strings when touched with a dry finger. Do not allow adhesive to dry completely. The amount of membrane that can be coated with adhesive before rolling into substrate will be determined by ambient temperature, humidity, and manpower.
- f. The coated **proSeal** Walkway shall be unrolled into the previously coated deck sheet, using care to avoid wrinkles.
- g. The bonded **proSeal** Walkway shall be pressed firmly into place with a weighted foam covered lawn roller.
- h. The remaining unbonded half of the sheet shall be folded back and the bonding procedure repeated.

- i. Hot-air weld the perimeter of the **proSeal** Walkway to the **proSeal** C3 Single-Ply. Check all welds with a rounded screwdriver. Re-weld any inconsistencies.
2. Precast Concrete Paver Installation
 - a. Install concrete pavers over a protection layer such as slip sheet or a compatible pedestal.

3.13 Miscellaneous Metal Flashings

- A. Metal, other than that supplied by RPW Associates, Inc is not covered under the Roof Systems warranty.
- B. Complete all metal work in conjunction with roofing and flashings so that a watertight condition exists daily.
- C. Metal shall be installed to provide adequate resistance to bending and allow for normal thermal expansion and contraction.
- D. Metal joints shall be watertight.
- E. Metal flashings shall have a 2½" minimum nailing flange.
- F. Continuous metal hook strips are required if metal fascia exceeds 5" in width. Each hook strip is to be fastened 12" o.c. into wood nailer or masonry wall.
- G. Edge metal is to be installed in accordance with Factory Mutual's Loss prevention Data Sheet 1-49.

3.14 Temporary Cutoff

- A. All flashings shall be installed concurrently with the roof membrane in order to maintain a watertight condition as the work progresses. When a break in the day's work occurs in the central area of a roof, a temporary waterstop shall be constructed to provide a 100% watertight seal. When work on the new system is suspended, the stagger of the insulation joints shall be maintained by installing partial fillers. The new membrane shall be carried into the waterstop. The waterstop shall be sealed to the deck and/or substrate so that water will not be allowed to travel under the new or existing roofing. The edge of the membrane shall be sealed in a continuous heavy application of roof cement of 6" in width. When work resumes, the contaminated membrane shall be cut out. All sealant, contaminated membrane, insulation fillers, etc. shall be removed from the work area and disposed of off-site. None of these materials shall be used in the new work.
- B. If inclement weather occurs while a temporary waterstop is in place, the contractor shall provide the labor necessary to monitor the situation to maintain a watertight condition.
- C. If any water is allowed to enter under the newly completed roofing, the affected area shall be removed and replaced at the contractor's expense.

3.15 Completion

- A. Prior to leaving the site, the owner/project manager and contractor shall review the work. All defects noted, non-compliances with the specifications, and the recommendations of shall be itemized in a punch list. The Contractor must correct these items immediately to the satisfaction of the owner/project manager.
- B. All warranties, as required in section 1.00 of this specification, shall be submitted to RPW Associates, Inc for approval. All materials purchased from RPW Associates, Inc. shall be paid in full prior to the issuance of any warranty.

DISCLAIMER

RPW Associates, Inc has attempted to obtain information from the manufacturers of other products often used in conjunction with our roofing systems and / or products with respect to the characteristics of such products, as well as their compatibility with those of the requested roof system.. Inasmuch as these other products as supplied in the field are subject to possible variation in their production, and inasmuch as their specifications and performance characteristics are subject to change without notification by the manufacturers, RPW Associates, inc expressly excludes from its warranty any responsibility for the performance or quality of the products of others used in conjunction with *proSeal* Roofing Systems™ or products whereas prior written acknowledgement and acceptance was obtained