

**Roof Coating Projects at Lakeview Elementary School, Parkway Middle School  
Pleasant Hill Elementary School, Mill Creek Elementary School  
Hickory Tree Elementary  
Bid # SDOC-07-107-LK**

Addendum #3  
June 15, 2007  
Page 1

The addendum is issued to clarify, add, delete, correct and/or change the contract documents to the extent indicated and is hereby made a part of the above noted contract documents on which the contract will be based. Any modifications/changes made by this addendum affect only the portions or paragraphs specifically identified herein; all remaining portions of the proposal to remain in force. It is the responsibility of all bidders to conform to this addendum. Acknowledge receipt of this addendum in the space provided on the bid form. Failure to do so may subject Bidder to Disqualification.

1. REF: Bid Form – See REVISED Bid Form, attached hereto. Submit all Bids on **REVISED BID FORM**.
2. Addendum #1, Para 11. – REF:SECTION 07561, paragraph 1.5.A; **CHANGE entire paragraph to read as follows:**

*The coating applicator shall be a Florida Certified Roofing Contractor licensed company who is a certified or approved contractor for one or more of the approved coating manufacturers. The coating applicator shall have 5 year company history of completed coating projects with evidence not more than 12 months old from the coating manufacturer of current, certified or approved applicator status. Bidder shall submit with the Bid satisfactory evidence of applicator status whether the applicator be the Bidder itself or a subcontractor, and company experience.*

Sub-paragraph 1.5.A.1 remains and is unchanged.

3. REF: Section 07542;
  - a. **ADD** new article 1.13 WARRANTIES & GUARANTEES, including paragraphs A through E, as follows:

**1.3 WARRANTIES & GUARANTEES**

- A. *A Manufacturer's Project Acknowledgement shall be executed and submitted to the Owner prior to the use of any of the Manufacturer's materials on the project per the attached pages included in this Section.*
- B. *A two (2) year Roofing Applicator's Guarantee shall be issued by the roofing applicator per the attached pages included in this Section.*
- C. *A twenty (20) year "No Dollar Limit" Roof Manufacturer's Warranty shall be issued by the manufacturer of the roofing materials used in the roofing project.*
  - a. *If the Manufacturer fails or refuses to issue the required Roof Warranty, the Contractor with Surety shall warranty the roof replacement on the same terms and conditions as required of the Manufacturer had the warranty been issued by the Manufacturer.*

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*D. Contractor's Final Statement of Compliance shall be executed and submitted per the attached pages included in this Section.*

*E. Manufacturer's Emergency Repair Agreement shall be submitted per the attached pages included in this section.*

- b. **DELETE** entire PART 2 – PRODUCTS and PART 3 – EXECUTION and **ADD** entire PART 2 – PRODUCTS and PART 3 – EXECUTION (pages 07542-4 Through 07542-11) attached hereto. (**Note:** There will no pages numbered 07542-12 or 07542-13 in Section 07542)
4. REF: Section 07542; **ADD** new pages 07542- 14 through 07542- 25, attached hereto.
5. REF: Drawing #4 – Fascia Repair Detail (5/25/07); Fascia repair is not part of project scope, therefore, **DELETE** this detail.
6. REF: Drawing #5 – Knuckle Replacement Detail (5/25/07); Knuckle replacement is not part of project scope, therefore, **DELETE** this detail.
7. REF; Section 07561, Article 3.7:
- a. **DELETE** all information in paragraphs A, B, and B (second), including previous revisions, per Addendum #1, and **ADD** new paragraphs A, B and C, including all sub-paragraphs, as follows:
- A. **GAFMC Top Coat**
1. *Primer: XR-2000, 5 dry mils*
  2. *Base Coat: Top Coat, 10 dry mils*
  3. *Finish Coat: Top Coat, 10 dry mils*
  4. *Total minimum dry mils – 25*
- B. **RPM**
1. *Primer: RPM Solar Gard Metal Primer, 5 dry mils*
  2. *Base Coat: Solar Gard Elastomeric, 10 dry mils*
  3. *Finish Coat: Solar Gard Elastomeric, 10 dry mils*
  4. *Total minimum dry mils – 25*
- C. **ER Systems**
1. *Primer: Eraguard 2000 Metal Primer, 5 dry mils*
  2. *Base Coat: Eraguard 1000, 10 dry mils*
  3. *Finish Coat: Eraguard, 10 dry mils*
  4. *Total minimum dry mils – 25*

8. REF: Section 07561; **DELETE** sub-paragraph 2.1.A.2.d in it's entirety, eliminating Bay Systems – Everest Coatings from list of available manufacturers.

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9. REF: Section 07542, Article 1.02, Paragraph A; **CHANGE** paragraph to read as follows: *“Remove existing Built-Up Roof system down to top of lightweight concrete.”*
10. REF: Section 07542, Article 1.02, Paragraph D; **CHANGE** paragraph to read as follows: *“Install new extended polystyrene insulation board and ¼ “ water-resistant gypsum roof board overlay, mechanically attached.”*
11. REF: Drawings #31 through #40 and #42 (dated 5/25/07); **DELETE** drawings and **ADD** new drawings #31 through #40 and #42 (dated 6/14/07) attached hereto.
12. REF: Section 01100-1, Article 1.6;
- a. **ADD** new paragraph M to read as follows:  
*“The Owner will attempt to accommodate on-site storage of material and equipment to the greatest extent possible, however, the Contractor will be required to accept the Owner’s on-site storage limitations and make alternative storage arrangements as necessary, at no additional cost to the Owner.”*
- b. **ADD** new paragraph N to read as follows:  
*“Work required after the specified completion date of August 17<sup>th</sup>, 2007 will be permitted during regular work hours. However, due to the anticipated increase in pedestrian and vehicular site activity, the Owner may require the Contractor to provide and maintain more stringent safeguards and/or modify work practices to protect the safety and security of students, faculty/staff and the general public, as well as protection of vehicles and property. Such additional safeguards and/or work practice modifications as may be required by the Owner shall be provided by the Contractor at no additional cost to the Owner. At all times it shall remain the responsibility of the Contractor to consider site and environmental conditions and take all necessary and appropriate precautions, both in the performance of the work and installation of temporary protections, to prevent property damage at or adjacent to the worksite.”*
13. REF: Section 01100, Article 1.3;
- a. **ADD** new paragraph D to read as follows:

*“Contractor is responsible for confirmation of all dimensions, quantities and conditions affecting the work prior to submitting a bid. The Contractor shall be responsible for providing all labor and materials required for a complete job, regardless of whether actual quantities that may differ from information provided in the contract documents.”*

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- b. **ADD** new sub-paragraph A.1 to read as follows:  
*“Coating of soffit undersides is NOT part of the project scope.”*
14. REF: Section 07561, Paragraph 3.2.B.1; **CHANGE** sentence to read as follows:  
*“Asphalt, caulking, mastics, cements and other foreign materials on Metal Roofs”*
15. **General Bidding Clarifications**
- a. Bidders must submit bids for all five schools.
- b. At a minimum, the bond needs to cover the two highest school bid amounts. Projects will not be awarded in excess of the bonding capacity.
- c. A list of Osceola County pre-qualified contractors can be found by visiting the School District’s website.
- d. Bidders who are not themselves approved applications for the roof coating and/or single-ply manufacturers may be awarded a contract, provided they utilize approved sub-contractors that also meet all other contract document requirements.
- e. It is anticipated that a Notice To Proceed will be issued to the successful bidder(s) within 48 hours following Board approval.
- f. Work under all base bis is to be Substantially Complete no later than August 17, 2007.
- g. The School District will NOT furnish or allow use of it’s tax exempt ID for use by the Contractor(s).
16. REF: Section 01330, Paragraph 3.3.A; **CHANGE** the existing text “...,a minimum of 14 calendar days,...” to read as follows: *“...,a maximum of 7 calendar days,...”*
17. REF: Section 01330, Paragraph 3.4.A; **ADD** new sub-paragraph 1 to read as follows:  
*“The Contractor may mobilize at the site and set-up equipment, fencing, temporary facilities, etc., prior to submission and review of submittals, except where submittals may be required for such activities.”*
18. REF: Section 07561, Paragraph 3.2.G.1; **ADD** new sub-paragraph a. to read as follows: *“Cameras and speakers may be covered in lieu of removal/replacement”*
19. REF: Section 07561, Article 3.2; **ADD** new paragraph H to read as follows:

*“Where overhanging tree limbs impede the application of new roof coating, the Owner will make provisions for trimming. Trimming of limbs will only be considered where they directly restrict the coating application, NOT where removal of limbs would be for the contractor’s convenience.”*

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20. REF: Section

**END OF ADDENDUM #3**

**SECTION 00300 BID FORM**

DATE: \_\_\_\_\_

TIME: \_\_\_\_\_

**SCHOOL DISTRICT OF OSCEOLA COUNTY  
809 BILL BECK BOULEVARD  
KISSIMMEE, FLORIDA 34744-4495**

The Undersigned, hereinafter called "Bidder", having visited the Site of the proposed Project and familiarized himself with the local conditions, nature and extent of the work, and having carefully examined the Drawings, Specifications, the Form of Agreement, and other Contract Documents, with the Bond requirements herein, proposes to furnish all labor, materials, equipment and other items, facilities and services for the proper execution and completion of:

**ROOF REPLACEMENT & METAL ROOF RESTORATION  
LAKEVIEW, PLEASANT HILL, PARKWAY, MILL CREEK, HICKORY TREE SCHOOLS**

in full accordance with the Drawings and Specifications prepared in accordance with your Invitation for Bids, Instruction to Bidders, Agreement and all other Documents relating thereto on file in the office of the Architect / Engineer and if awarded the Contract, to complete the said work specified for the following amount.

**Base Bid Work:**

1. Repairs to and coating of existing metal roofs on Roof Areas shown on roof plan and under the provisions of Contract Document requirements.
2. Removal of existing gravel surfaced built-up roofing system on all Roof Areas indicated as **04A** at three schools (**Lakeview, Hickory Tree & Mill Creek**), and the installation of a new mechanically attached single ply membrane complete with insulation, cover board, flashing and roof related components under provisions of Contract Document requirements as required to provide a complete, and fully functioning roof replacement.

**Alternate Bids:**

The District may consider awarding contracts for completing the work at one or more sites, based upon alternate completion dates proposed by the Contractors on the Bid Form. In the spaces below, indicate the date by which you will have achieved **substantial completion at each site**, and the total number of **calendar days** to complete each site following Notice to Proceed.

**Perform Work for the stipulated Bid Sum of:**

**Bid A: Lakeview** Total square feet of Metal Roof Coating \_\_\_\_\_ S.F.

Bid A \_\_\_\_\_ Dollars (\$ \_\_\_\_\_).

**Bid B: Pleasant Hill** Total square feet of Metal Roof Coating \_\_\_\_\_ S.F.

Bid B \_\_\_\_\_ Dollars (\$ \_\_\_\_\_).

**Bid C: Parkway** Total square feet of Metal Roof Coating \_\_\_\_\_ S.F.

Bid C \_\_\_\_\_ Dollars (\$ \_\_\_\_\_).

**Bid D: Mill Creek** Total square feet of Metal Roof Coating \_\_\_\_\_ S.F.

Bid D \_\_\_\_\_ Dollars (\$ \_\_\_\_\_).

**Bid E: Hickory Tree** Total square feet of Metal Roof Coating \_\_\_\_\_ S.F.

Bid E \_\_\_\_\_ Dollars (\$ \_\_\_\_\_).

**Bid F: All Five Schools - All work identified in the Project Manual**

Bid F \_\_\_\_\_ Dollars (\$ \_\_\_\_\_).

There is enclosed a Bid Bond in the amount of not less than **five (5) percent of total for all five sites** payable to the Owner as a guarantee for the purpose set out in your Instructions to Bidders.

The Bidder hereby agrees that:

- A. The above proposal shall remain in full force and effect for a period of thirty (30) calendar days after the time of the opening of this proposal and that the Bidder will not revoke or cancel this proposal within the said thirty (30) calendar days.
- B. In the event the Contract is awarded to this Bidder, this Bidder shall enter into a formal written Agreement with the Owner in accordance with the accepted Bid within 10 calendar days after said Contract is delivered to the Bidder and furnishing to the Owner a Contract Performance and Payment Bond with good and sufficient sureties, satisfactory to the Owner, in the amount of 100% of the accepted Bid. The Bidder further agrees that in the event of the Bidder's default or breach of any of the agreements of this proposal, the said Bid deposit shall be forfeited as liquidated damages.
- C. In the event the Contract is awarded to this Bidder, this Bidder shall achieve substantial completion of the work at all five sites before **August 17<sup>th</sup> 2007**, with full contract close-out thirty (30) days thereafter.

Acknowledgment is hereby made of receipt of the following Addenda issued during the Bidding period.

Addendum No. _____	Dated _____	Addendum No. _____	Dated _____
Addendum No. _____	Dated _____	Addendum No. _____	Dated _____
Addendum No. _____	Dated _____	Addendum No. _____	Dated _____

Should the Contractor fail to substantially complete work under this Contract on or before the date stipulated for Substantial Completion or such later date as may result from extension of time granted by Owner, the Contractor and the Contractor's Surety, if any, shall pay Owner as liquidated damages, the sum of \$350.00 for each consecutive calendar day that terms of the Contract remain unfulfilled beyond date allowed by the

Contract, which sum is agreed upon as a reasonable and proper measure of damages which Owner will sustain per diem by failure of Contractor to complete work within time as stipulated; it being recognized by Owner and Contractor to complete on schedule is uncertain and cannot be computed exactly. In no way shall costs for liquidated damages be construed as a penalty on the Contractor.

Should the Contractor fail to finally complete work under this Contract on or before the date stipulated for Final Completion or such later date as may result from extension of time granted by Owner, the Contractor and the Contractor's Surety, if any, shall pay Owner as liquidated damages, the sum of \$350.00 for each consecutive calendar day that terms of the Contract remain unfulfilled beyond date allowed by the Contract, which sum is agreed upon as a reasonable and proper measure of damages which Owner will sustain per diem by failure of Contractor to complete work within time as stipulated; it being recognized by Owner and Contractor to complete on schedule is uncertain and cannot be computed exactly. In no way shall costs for liquidated damages be constructed as a penalty on the Contractor. This amount is in addition to the liquidated damages prescribed above.

Based upon Applications for Payment submitted to the Architect / Engineer by the Contractor and Certificates for Payment issued by the Architect / Engineer, the Owner shall make progress payments on account of the Contract Sum to the Contractor as provided in the Contract Documents for the period ending the twenty-fifth (25th) day of the month as follows:

Not later than five (5) days following the end of the period covered by the Application for Payment ninety percent (90%) of the portion of the Contract Sum properly allocable to materials and equipment suitably stored at the site or at some other location agreed upon in writing, for the period covered by the Application for Payment, less the aggregate of previous payments made by the Owner; and upon Substantial Completion of the entire Work, a sum sufficient to increase the total payments to ninety percent (90%) of the Contract Sum, less such amounts as the Architect / Engineer shall determine for all incomplete Work and unsettled claims as provided in the Contract Documents. Retained amounts will not be paid into an escrow account. The Bidder hereby agrees that the Owner reserves the right to waive informalities in any Bid and to reject any or all Bids, or to accept any Bid that in its judgement will be for the best interest of the Owner.

In witness whereof, the Bidder has hereunto set his signature and affixed his seal this

\_\_\_\_\_ day of \_\_\_\_\_ A.D. 200\_\_.

FIRM: \_\_\_\_\_

BY: \_\_\_\_\_ (SEAL)

TITLE: \_\_\_\_\_

**END OF SECTION**



**MANUFACTURER'S PROJECT ACKNOWLEDGMENT NOTICE**

Whereas \_\_\_\_\_ herein called the "Manufacturer" hereby gives notice to:

**SCHOOL DISTRICT OF OSCEOLA COUNTY  
809 BILL BECK BLVD.  
KISSIMMEE, FLORIDA 34744-4495**

For the Project: **METAL ROOF RESTORATION & PVC SINGLE PLY ROOFING FOR:**  
\_\_\_\_ **LAKEVIEW ELEMENTARY SCHOOL,** \_\_\_\_ **PARKWAY MIDDLE SCHOOL,**  
\_\_\_\_ **MILL CREEK ELEMENTARY SCHOOL,** \_\_\_\_ **PLEASANT HILL ELEMENTARY SCHOOL**  
\_\_\_\_ **HICKORY TREE ELEMENTARY SCHOOL**

The Manufacturer hereby gives notice that the Manufacturer has visited the Project, reviewed the existing conditions, reviewed the Project's contract documents, and that the construction documents incorporating the Manufacturer's \_\_\_\_\_ roofing system(s) or product(s) can be installed in accordance with the contract documents and gives notice of their intent to issue a roof warranty, per the attached pages, to the Owner for the Project.

The Manufacturer hereby gives notice, per the attached pages, of a detailed list of the Manufacturer's roofing system(s) components and products that are included in the roof warranty, and a list of secondary products that are acceptable to the Manufacturer for incorporation into the roof warranty.

The Manufacturer hereby gives notice to provide the manufacturer's field inspection and services per the Contract Documents.

The Manufacturer hereby gives notice of \_\_\_\_\_ as a qualified installer of the Manufacturer's roofing system listed (shown) above and eligible to provide the roof guarantee, per the attached pages.

By signing below, the Authorized Representative of said Manufacturer certifies and represents that he is a full-time employee of the Manufacturer with the authority to make the above representations to the Owner.

By: \_\_\_\_\_  
Signature of Authorized Representative / Date

\_\_\_\_\_  
Printed Name of Authorized Representative

Witness: \_\_\_\_\_  
Signature / Date

**MANUFACTURER'S PROJECT ACKNOWLEDGMENT NOTICE**

For the Project: **LAKEVIEW ELEMENTARY SCHOOL**  
**2900 5<sup>TH</sup> STREET**  
**ST. CLOUD, FLORIDA 37469**

List of Manufacturer's roofing system(s) and/ or product(s) that are covered under the warranty:

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By signing below, the Authorized Representative of said Manufacturer certifies and represents that he is a full-time employee of the Manufacturer with the authority to make the above representations to the Owner.

By: \_\_\_\_\_  
Signature of Authorized Representative / Date

\_\_\_\_\_  
Printed Name of Authorized Representative

Witness: \_\_\_\_\_  
Signature / Date

**MANUFACTURER'S PROJECT ACKNOWLEDGMENT NOTICE**

For the Project:     **PARKWAY MIDDLE SCHOOL  
857 FLORIDA PARKWAY  
KISSIMMEE, FLORIDA 34743**

List of Manufacturer's roofing system(s) and/ or product(s) that are covered under the warranty:

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By signing below, the Authorized Representative of said Manufacturer certifies and represents that he is a full-time employee of the Manufacturer with the authority to make the above representations to the Owner.

By:                     \_\_\_\_\_  
Signature of Authorized Representative / Date

\_\_\_\_\_  
Printed Name of Authorized Representative

Witness:            \_\_\_\_\_  
Signature / Date

**MANUFACTURER'S PROJECT ACKNOWLEDGMENT NOTICE**

For the Project: **MILL CREEK ELEMENTARY SCHOOL  
1700 MILL SLOUGH ROAD  
KISSIMMEE, FLORIDA 34744**

List of Manufacturer's roofing system(s) and/ or product(s) that are covered under the warranty:

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By signing below, the Authorized Representative of said Manufacturer certifies and represents that he is a full-time employee of the Manufacturer with the authority to make the above representations to the Owner.

By: \_\_\_\_\_  
Signature of Authorized Representative / Date

\_\_\_\_\_  
Printed Name of Authorized Representative

Witness: \_\_\_\_\_  
Signature / Date

**MANUFACTURER'S PROJECT ACKNOWLEDGMENT NOTICE**

For the Project: **PLEASANT HILL ELEMENTARY SCHOOL  
1253 PLEASANT HILL ROAD  
KISSIMMEE, FLORIDA 34746**

List of Manufacturer's roofing system(s) and/ or product(s) that are covered under the warranty:

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By signing below, the Authorized Representative of said Manufacturer certifies and represents that he is a full-time employee of the Manufacturer with the authority to make the above representations to the Owner.

By: \_\_\_\_\_  
Signature of Authorized Representative / Date

\_\_\_\_\_  
Printed Name of Authorized Representative

Witness: \_\_\_\_\_  
Signature / Date

**MANUFACTURER'S PROJECT ACKNOWLEDGMENT NOTICE**

For the Project: **HICKORY TREE ELEMENTARY SCHOOL  
2801 HICKORY TREE ROAD  
ST. CLOUD, FLORIDA 34769**

List of Manufacturer's roofing system(s) and/ or product(s) that are covered under the warranty:

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By signing below, the Authorized Representative of said Manufacturer certifies and represents that he is a full-time employee of the Manufacturer with the authority to make the above representations to the Owner.

By: \_\_\_\_\_  
Signature of Authorized Representative / Date

\_\_\_\_\_  
Printed Name of Authorized Representative

Witness: \_\_\_\_\_  
Signature / Date

**ROOFING APPLICATOR GUARANTY**

WHEREAS

\_\_\_\_\_

(Contractor)

\_\_\_\_\_

(Address)

herein called the "Contractor" hereby gives notice to:

**SCHOOL DISTRICT OF OSCEOLA COUNTY  
809 BILL BECK BOULEVARD  
KISSIMMEE, FLORIDA 34744**

of having performed the roofing, flashing and sheet metal and related work on the following Project.

**\_\_\_LAKEVIEW, \_\_\_PARKWAY, \_\_\_PLEASANT HILL, \_\_\_MILL CREEK & \_\_\_HICKORY TREE**

WHEREAS, the Contractor has contracted directly with the Owner, for the benefit of the Owner to guaranty said work against leaks and faulty or defective materials and workmanship for the designated guaranty period.

Date of Guaranty Commencement: \_\_\_\_\_

Designated Guaranty Period: Two (2) Years

Date of Guaranty Expiration: \_\_\_\_\_

NOW THEREFORE, the Contractor hereby guarantees, subject only to the terms, conditions, and limitations herein set forth, that during guaranty period he will at his own cost and expense, make or cause to be made such repairs to or replacements of such work or materials as are necessary to correct faulty and defective work, as are necessary to maintain said repair work in a water tight condition during the guaranty period.

This guaranty is made subject to the following terms and conditions:

1. Specifically excluded from this guaranty are damages to the work and other parts of the building and to the building contents caused by:
  - a. Lightning
  - b. Winds above The Florida Building Code and ASCE 7-02 as defined by the project documents.
  - c. Fires
  - d. Failure of the roofing system substrate, including deflection in excessive of normal deterioration (L/240), and decomposition.
2. When work has been damaged by any of the foregoing causes, the guaranty shall be null and void until such damage has been repaired by the Contractor and until cost expense thereof has been paid by the Owner or by another responsible party so designated.

3. The Contractor is responsible for any and all damage, deterioration, or failure for any reason of the work covered by this guaranty, except those items specifically excluded above.
4. The Owner shall promptly notify the Contractor of observed, known or suspected leaks, defects, or deterioration. The Contractor shall guaranty to respond to all notifications within forty-eight (48) hours and to make all such repairs as deemed necessary to correct said leaks or defects to the satisfaction of the Owner, such satisfaction will not be unreasonably withheld.
5. This guaranty shall not replace or supersede any common law warranties or guarantees, either implied at law, or part of any construction or purchase contract between the Contractor and Owner, or any combination thereof, but shall operate in addition to all common law and contractual guarantees and warranties available. This agreement shall not operate to restrict or cut off the Owner from any and all other remedies and recourses lawfully available to him in cases of roofing failures. Specifically, this guaranty shall not operate to relieve the Contractor of responsibility for performance of the original work in accordance with the requirement of contract directly with the Owner.
6. The Contractor shall provide a surety bond in the full amount of the Contract through an insurance entity acceptable to the Owner for the duration of the guaranty period. A certified copy of the surety bond shall be attached hereto.



By signing the below, the Authorized Representative of said entity certifies and represents that he is an officer of the entity with the authority to contract and make the above representations to the Owner.

IN WITNESS HEREOF, this instrument has been duly executed on this \_\_\_\_ day of \_\_\_\_\_, 2\_\_\_\_.

CONTRACTOR

(SEAL)

\_\_\_\_\_  
(Authorized Representative)

Sworn to and subscribed before me this \_\_\_\_ day of \_\_\_\_\_, 2\_\_\_\_.

\_\_\_\_\_  
(Signature of Notary Public - State of Florida)

\_\_\_\_\_  
(Print, Type or Stamp Commissioned Name of Notary Public)

Personally Known \_\_\_ OR Produced Identification \_\_\_  
Type of Identification Produced \_\_\_\_\_

SURETY

(SEAL)

\_\_\_\_\_  
(Authorized Representative)

Sworn to and subscribed before me this \_\_\_\_ day of \_\_\_\_\_, 2\_\_\_\_.

\_\_\_\_\_  
(Signature of Notary Public - State of Florida)

\_\_\_\_\_  
(Print, Type or Stamp Commissioned Name of Notary Public)

Personally Known \_\_\_ OR Produced Identification \_\_\_  
Type of Identification Produced \_\_\_\_\_

**MANUFACTURER'S EMERGENCY REPAIR AGREEMENT**

Whereas \_\_\_\_\_, herein called the "Manufacturer" hereby gives notice to Osceola County Public Schools, herein called the "Owner",

- For the Projects:
- \_\_\_ **LAKEVIEW ELEMENTARY SCHOOL**
  - \_\_\_ **PARKWAY MIDDLE SCHOOL**
  - \_\_\_ **MILL CREEK ELEMENTARY SCHOOL**
  - \_\_\_ **PLEASANT HILL ELEMENTARY SCHOOL**
  - \_\_\_ **HICKORY TREE ELEMENTARY SCHOOL**

The Manufacturer hereby agrees, subject only to the terms, conditions, and limitations herein set forth, that during the project's roof's warranty period, that the Owner may, at his own cost, and expense, make or cause to be made such emergency repairs as necessary to maintain said project in a watertight condition during the warranty period.

This acknowledgment is made subject to the following terms and conditions:

- A. Repairs are defined to include small cuts and tears caused by others, and repairs not covered under this warranty.
- B. Repairs are defined as not to include the flashing of new roof top equipment penetrations, curbs, and/or the reflashing of existing roof top equipment penetrations, and curbs.
- C. The Owner shall notify the manufacturer of the repair by written explanation, drawings, and photographs as necessary, within 14 days hours of the repair.
- D. The Manufacturer shall have the right to inspect the repair for acceptance or rejection. If the repair is rejected, the Manufacturer may require repair by others, and charge for the reinspection of the completed repair.
- E. The Owner shall purchase, and maintain roofing materials, and equipment for making repairs acceptable to the Manufacturer.
- F. The Owner's maintenance crew shall attend one 4 hour seminar per year at the Owner's address given by the manufacturer as an update of new products and repair procedures.
- G. This acknowledgment shall not replace or supersede any common law warranties or guarantees, either implied at law, or any combination thereof, but shall operate in addition to all common law, and contractual guarantees and warranties available. This acknowledgment shall not operate to restrict or cut off the Owner for any and all other remedies, and resources lawfully available to him in cases of roofing failures; specifically, this acknowledgment shall not operate to relieve the Manufacturer of responsibility for performance of the warranty.

By signing below, the Authorized Representative for the Manufacturer certifies, and represents that he is an officer of the entity with the authority to contract and make the above representations to the Owner.

IN WITNESS HEREOF, this instrument has been duly executed on this \_\_\_\_ day of \_\_\_\_\_, 2\_\_\_\_.

MANUFACTURER

(SEAL)

\_\_\_\_\_

(Authorized Representative)

Sworn to and subscribed before me this \_\_\_\_ day of \_\_\_\_\_, 2\_\_\_\_.

\_\_\_\_\_  
(Signature of Notary Public - State of Florida)

\_\_\_\_\_  
(Print, Type or Stamp Commissioned Name of Notary Public)

Personally Known \_\_\_\_ OR Produced Identification \_\_\_\_  
Type of Identification Produced \_\_\_\_\_

By signing below, the Authorized Representative for the Owner certifies, and represents that he has the authority to make the above representations to the Manufacturer.

OWNER

\_\_\_\_\_  
Witness

\_\_\_\_\_  
(Authorized Representative)

**CONTRACTOR'S FINAL STATEMENT OF COMPLIANCE**

Whereas (Roofing Contractor) \_\_\_\_\_

(Address) \_\_\_\_\_

herein called the "Roofing Contractor" hereby gives notice to the Owner:

**SCHOOL DISTRICT OF OSCEOLA COUNTY  
809 BILL BECK BOULEVARD  
KISSIMMEE, FLORIDA 34744-4495**

For the Project:     \_\_\_ **LAKEVIEW ELEMENTARY SCHOOL** \_\_\_ **PARKWAY MIDDLE SCHOOL**  
                          \_\_\_ **PLEASANT HILL ELEMENTARY SCHOOL** \_\_\_ **MILL CREEK ELEMENTARY SCHOOL**  
                          \_\_\_ **HICKORY ELEMENTARY SCHOOL**

The Roofing Contractor certifies to the Owner that the roofing, flashing, sheet metal, and related work is complete, and to the Roofing Contractor's knowledge, information, and belief, the quality of the Work is in accordance with the Contract Documents.

By signing below, the Roofing Foreman for the Roofing Contractor certifies the above statement.

\_\_\_\_\_  
Signature of Roofing Foreman

\_\_\_\_\_  
Printed/ Typed Name

By signing below, the Project Manager for the Roofing Contractor certifies and responds that the Roofing Foreman is a full time employee of the Contractor with the authority to make the above representations.

\_\_\_\_\_  
Signature of Project Manager

\_\_\_\_\_  
Printed/ Typed Name

Part 1 portion of this page unchanged; refer to Project Manual

## **PART 2 - PRODUCTS**

### 2.01 GENERAL

- A. Comply with Quality Control, References, Specifications, and Manufacturer's data. Where conflict may exist, more stringent requirements govern.
- B. Use of manufacturer's brand and/or trade names is done only to establish a standard by which other shall be compared, and not done to restrict or limit competition. See Section 01600 PRODUCT REQUIREMENTS.
- C. The Owner shall be the final authority as to acceptance of any changes in materials.
- D. All materials used shall be accepted and approved by roof membrane manufacturer.
- E. The components of the mechanically-attached roof system are to be products of the membrane manufacturer as indicated on the detail drawings and specified in the contract documents.
- F. Components to be used that are other than those supplied or manufactured by the membrane manufacturer may be submitted for review and acceptance by the membrane manufacturer. The membrane manufacturer's acceptance of any other product is only for chemical compatibility with the membrane manufacturer products and is not for inclusion in the membrane manufacturer

warranty. The specifications, installation instructions, limitations, and/or restrictions of the respective manufacturers must be reviewed by the signer for acceptability for the intended use with the membrane manufacturer products.

## 2.02 APPROVED MANUFACTURERS

- A. GAF, Wayne, NJ
- B. Johns Manville, Denver, CO
- C. Sika Sarnafil, Canton, MA

## 2.03 MATERIAL PERFORMANCE CRITERIA

- A. 80 Mil-minimum polyester-reinforced membrane
- B. Membrane and manufacturer shall meet the following:
  - 1. Must not list any exclusion of the warranty for ponding water conditions.
  - 2. Mil thickness shall not deviate  $\pm 2$  mils. Membrane will be checked during installation for mil thickness compliance. If any deviation from mil thickness tolerance is found, entire order or shipment shall be returned to the manufacturer for replacement with specified material.
- D. Membrane shall conform to the ASTM D4434 (latest revision) Standard for Polyvinyl Chloride sheet roofing.
  - 1. Classification: Type III.

## 2.04 RELATED MEMBRANE PRODUCTS

- A. Specific products as supplied by membrane manufacturer similar in purpose to the following.
- B. Sarnacol 2170 Adhesive (to adhere flashing membrane to walls)
- C. G459 Flashing Membrane
  - 1. Fiberglass-reinforced, asphalt-compatible, 72 Mil thick membrane used where asphalt contamination is anticipated or when adhering to smooth asphalt flashing.
- D. PVC coated metal
  - 1. 0.023 inch thick G90 galvanized sheet metal laminated with 0.020 inch thick Sarnafil membrane.
- E. Sarnaflash
  - 1. Prefabricated expansion joint cover with foam tubing, galvanized metal nailing flanges and S327 membrane welding tabs.
- F. Sarnacorner
  - 1. Prefabricated inside and outside corners made of Sarnafil membrane
- G. Sarnastack
  - 1. Prefabricated membrane vent pipe slashing made of Sarnafil membrane.
- H. Sarnadrain-RAC
  - 1. Retrofit roof drain with PVC clad flange
    - a. Size to connect into existing drain leaders

## 2.05 MISCELLANEOUS FASTENERS AND ANCHORS

- A. All fasteners shall be approved by the membrane manufacturer and shall be identified as such in the submittal.
  - 1. All fasteners, anchors, nails, straps, bars, etc. shall be of post-galvanized zinc or cadmium-plated steel, aluminum or stainless steel.
    - a. All screws for fastening metal edge shall stainless steel 410 compatible with galvanized steel and aluminum.
  - 2. Mixing metal types and methods of contact shall be in such a manner as to avoid galvanic corrosion.
  - 3. Fasteners for attachment of metal to masonry shall be expansion type fasteners with stainless steel pins.
  - 4. All fasteners to a metal substrate shall have a minimum embedment of  $\frac{3}{4}$ " and shall be approved for such use by the membrane manufacturer.
  - 5. All wood fasteners and anchors shall have a minimum embedment of 1 inch and shall be approved for such use by the fastener manufacturer.
  - 6. Metal discs shall be used to fasten insulation. Disc shall lay flat on insulation surface. Submit for approval.

## 2.06 METAL FLASHING

- A. Termination Bar Flashing: 1/8" aluminum bar with oval holes at 6" O.C. for fastening.
- B. Continuous cleat – edge flashing 22 gauge galvanized sheet metal

## 2.07 INSULATION AND COVER BOARD

- A. 2" extruded polystyrene (XEPS) - Dow Deck Mate or as approved by membrane manufacturer. EPS is not acceptable.
- B. Tapered polyisocyanurate insulation with felt facer, 12" wide (to form drain sumps)
- C.  $\frac{1}{4}$ ' Dens Deck by GP (cover board)

## PART 3 - EXECUTION

### 3.01 INSPECTION

- A. Verify installation conditions as satisfactory to receive work. Notify the Owner Representative immediately if deck is believed to be unsound, or otherwise unable to support foot traffic and new roof system.
- B. Do not install new roofing until all unsatisfactory conditions are corrected. Beginning work constitutes acceptance of conditions.
- C. Verify that work of other trades penetrating roof deck or requiring men and equipment to transverse roof deck has been approved by the Owner, Manufacturer, and Roofing Contractor.
- D. Check projections, curbs, and deck for inadequate anchorage, foreign material, moisture, or unevenness that would prevent quality and execution of new roofing system.

### 3.02 PREPARATION

#### A. DEMOLITION AND DISPOSAL:

1. All debris shall be removed from the job site each day. Upon completion of the project, the contractor shall remove all rubbish, accumulated materials, empty containers, and scrap from the premises leaving the job site in a clean, acceptable condition. Any adjacent areas which are damaged by the contractor due to demolition or removal shall be repaired to the satisfaction of the Owner or replaced. All scrap, debris, and empty containers shall be disposed of off-site, otherwise approved by the Owner.
2. See Section 07952

### 3.03 CARPENTRY

#### A. Flashing, Curbs, Walls and Parapets:

1. Raise all curbs to a minimum height of 8" inches above finished roof line.

#### B. Plumbing Vent Locations:

1. Mechanically attach wood blocking to structural deck at all pipe and plumbing vent locations; minimum two fasteners per section. **Blocking thickness:** equal to final insulation thickness. Width: Six inches, nominal.
2. Offset blocking layers 12" inches; weave corners.

#### C. Metal Curb Flashing:

1. Raise curb. Clean flange.
2. Replace rotted blocking.
3. Mechanically attach wood blocking to existing blocking. **Blocking thickness:** Equal to final insulation thickness. Width: Same as existing.
4. Fasteners shall be installed in two rows staggered. Spacing in any one row shall not exceed 24" inches.
5. Offset blocking layers 12" inches' weave corners
6. Reuse existing counter flashing.

### 3.04 DRAINS AND SCUPPERS

- A. Retrofit all existing roof drains with new Sarnadrain RAC PVC Alumaweld drains, connecting to existing drain leaders.
- B. Weld flashing membrane onto roof drain flanges. Install per manufacturer's recommendations.

### 3.05 INSTALLATION OF INSULATION

- A. Over the prepared roof surface, install 2" insulation, butting all joints tightly.
  1. Mechanically fasten the insulation as required by membrane manufacturer.
- B. Install insulation with fastener placement in accordance with the membrane manufacturer's printed requirements as tested by FMG for installation in accordance with a mechanically fastened membrane system.
  1. Gap between insulation panels shall not exceed ¼".
  2. Where the gap exceeds a ¼", cut out a minimum space of 6" wide by the length of the gap.
  3. Install fasteners into the edge of a cut panel at 12" O.C.



4. Install at least two fasteners in the fill section of insulation.
  5. Fastener plates shall never come within 5" of the edge of any piece of insulation.
- C. At the drains, install tapered insulation to form sumps as shown in details.

### 3.06 INSTALLATION OF ROOFING MEMBRANE

- A. The surface of the insulation shall be inspected prior to installation of the roof membrane. The insulation and cover board shall be clean, dry and smooth with no excessive surface roughness, contaminated surfaces or unsound surfaces such as broken, delaminated, or damaged insulation boards. The installation of the cover board is to be followed immediately by the installation of the S327 membrane.
- B. General:
1. Membrane is to be attached with the membrane manufacturer fasteners and discs according to the membrane manufacturer's specifications and details.
  2. Fastening pattern shall achieve tested wind uplift pressures stated on plans.
  3. Membrane overlaps shall be shingles with the flow of water where possible.
- C. Perimeter and corners
1. Over the properly installed and prepared substrate surface, the membrane manufacturer perimeter half sheets are to be installed parallel with the entire perimeter edge. Half sheets are to be laid out in approved pattern as shown on the membrane manufacturer detail drawings. Sheets are overlapped 7 inches. The 7 inch overlap shall allow the top sheet to extend 2-½ inches past the discs for welding. Fasteners and discs are to be installed along the edge of the membrane. Fasteners and Discs are to be spaced according to the membrane manufacturer's calculations in accordance with wind uplift pressures provided. Discs are to be held back a minimum of 1 inch from the edge of the membrane manufacturer membrane. Fasteners shall be installed according to the manufacturer's instructions. Fasteners shall be installed using the fastener manufacturer's recommended fastening tools with depth locators. Fasteners shall clamp the membrane tightly to the substrate.
- D. Interior-field sheets
1. Over the properly installed and prepared substrate surface the full width membrane is to be unrolled. Sheets shall be overlapped a minimum of 7 inches. A 7 inch overlap line has been provided to ensure proper overlap. The 7 inch overlap shall allow the top sheet to extend 2-½ inches past the discs for welding. Fasteners and discs are to be installed along the edge of the membrane. Fasteners and discs are to be spaced according to the membrane manufacturer's calculations. Discs are to be held back a minimum of 1-inch from the edge of the membrane. Fasteners shall be installed according to the manufacturer's instructions. Fasteners shall be installed using the fastener manufacturer's recommended fastening tools with depth locators. Fasteners shall clamp the membrane tightly to the substrate.
- E. Securement around perimeter and rooftop penetrations:
1. Around all perimeters, at the base of walls, drains, curbs, vent pipes, or any other roof penetrations, fasteners and discs shall be installed according to perimeter rate of attachment. Fasteners shall be installed according to the manufacturer's instructions. Fasteners shall be installed using the fastener manufacturer's recommended fastening tools with depth locators. Fasteners shall clap the membrane tightly to the substrate.
  2. Membrane flashing shall extend 2 ½ inches past the discs and be hot-air welded to the deck

sheet.

### 3.07 HOT-AIR WELDING OF LAP AREAS

#### A. General

1. All seams shall be hot air welded. Seam overlaps shall be a minimum of 3 inches wide when automatic machine welding, and 4 inches wide when hand welding.
2. Welding equipment shall be provided by or approved by the membrane manufacturer. All mechanics intending to use the equipment shall have successfully completed a training course provided by the membrane manufacturer Technical Representative prior to welding.
3. All membrane to be welded shall be clean and dry. No adhesive shall be in the seam.

#### B. Hand Welding

1. Hand welded seams shall be completed in two stages. Hot-air welding equipment shall be allowed to warm up for at least one minute prior to welding.
2. The back edge of the seam shall be welded with a narrow, but continuous weld to prevent loss of hot air during the final welding.
3. The nozzle shall be inserted into the seam at a 45 degree angle. Once the proper welding temperature has been reached and the membrane begins to "glow", the hand roller is positioned perpendicular to the nozzle and pressed lightly. For straight seams, the 1-½ " wide nozzle shall be used. For corners and compound connections, the ¾" inch wide nozzle shall be used.

#### C. Machine Welding

1. Machine welded seams are achieved by the use of the membrane manufacturer's automatic welding equipment. The Contractor shall provide sufficient power necessary to operate all welding equipment in accordance with the recommendations of the welding machine manufacturer. When using this equipment, the membrane manufacturer's instructions shall be followed and local codes for electric supply, grounding and over current protection observed.

#### D. Quality Control of Welded Seams

1. The Contractor shall check all welded seams for continuity using a rounded screwdriver. Visible evidence that welding is proceeding correctly is smoke during the welding operation, shiny membrane surfaces, and uninterrupted flow of dark gray material from the underside of the top membrane. On-site evaluation of welded seams shall be made daily by the Contractor to locations as directed by the Owner's representative or the membrane manufacturer's representative.
  - a. One inch wide cross-section samples of welded seams shall be taken at least three times a day, marked and correlated on roof plan to identify location, and saved for Consultant inspection.
  - b. In lieu of marking samples and providing correlated roof plan, tack weld the sample to the patch where the sample was removed.
  - c. Correct welds display failure from shearing of the membrane prior to separation of the weld. Each test cut shall be patched by the Contractor at no extra cost to the Owner.

### 3.08 MEMBRANE FLASHING

- A. All flashing shall be installed concurrently with the roof membrane as the job progresses. No temporary flashing shall be allowed without the prior written approval of the Owner's representative and the membrane manufacturer. Approval shall only be for specific

locations on specific dates. If any water is allowed to enter under the newly completed roofing, the affected area shall be removed and replaced at the Applicator's expense.

- B. Only an area which can be completely covered 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.
- C. No adhesive shall be applied in seam areas that are to be welded. All panels of membrane shall be applied in the same manner, overlapping the edges of the panels as required by welding techniques.
- D. Install discs according to the membrane manufacturer's specifications with acceptable fasteners into the structural deck at the base of parapets, walls and curbs. Discs are required at the base of all tapered edge strips and at transitions, peaks, and valleys according to the membrane manufacturer's details.
- E. The membrane manufacturer's requirements and recommendations and the specifications shall be followed. All material submittals shall have been accepted by the membrane manufacturer prior to installation.
- F. All flashing shall extend a minimum of 8 inches above roofing level unless otherwise accepted in writing by the Owner's representative and the membrane manufacturer Technical Department. At parapets, flashing membrane shall entirely cover
- G. All flashing membranes shall be adhered to solvent resistant substrates. All interior and exterior corners and miters shall be cut and hot-air welded into place. No bitumen shall be in contact with the membrane manufacturer membrane.
- H. All flashing membranes shall be mechanically fastened along the top edge through pre-drilled aluminum metal strip spaced at a maximum of 9 inches on center.
- I. Flashing shall be terminated according to the membrane manufacturer recommended details.

### 3.09 PVC COATED METAL BASE FLASHING

- A. All flashing shall be installed concurrently with the roof membrane as the job progresses. No temporary flashing shall be allowed without the prior written approval of the Owner's representative and the membrane manufacturer. Approval shall only be for specific locations on specific dates. If any water is allowed to enter under the newly completed roofing due to incomplete flashing, the affected area shall be removed and replaced at the Applicator's expense.
- B. PVC coated metal flashing shall be formed and installed per the detail drawings.
- C. All metal flashing shall be fastened according to membrane manufacturer's details.
- D. Adjacent sheets of PVC coated metal shall be spaced ¼" inch apart. The ends of the PVC coated metal shall be fastened 6 inches on center. The joint shall be covered with 2 inch wide aluminum tape. A 4 inch wide strip of flashing membrane shall be hot-air welded over the joint.

### 3.10 METAL FLASHING

- A. Metal details, fabrication practices and installation methods shall conform to the applicable requirements of the following:

1. FMG Loss Prevention Data Sheet 1-49 (latest issue).
  2. Sheet Metal and Air Conditioning Contractors National Association Inc. (*SMACNA Sheet Metal Manual* –latest issue).
- B. Complete all metal work in conjunction with roofing and flashing 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 flashing shall be securely fastened into the deck. Fasteners shall penetrate the wood nailer a minimum of 1 inch.
  - F. Counter flashing shall overlap base flashing at least 4 inches.

### 3.11 TEMPORARY CUT-OFF

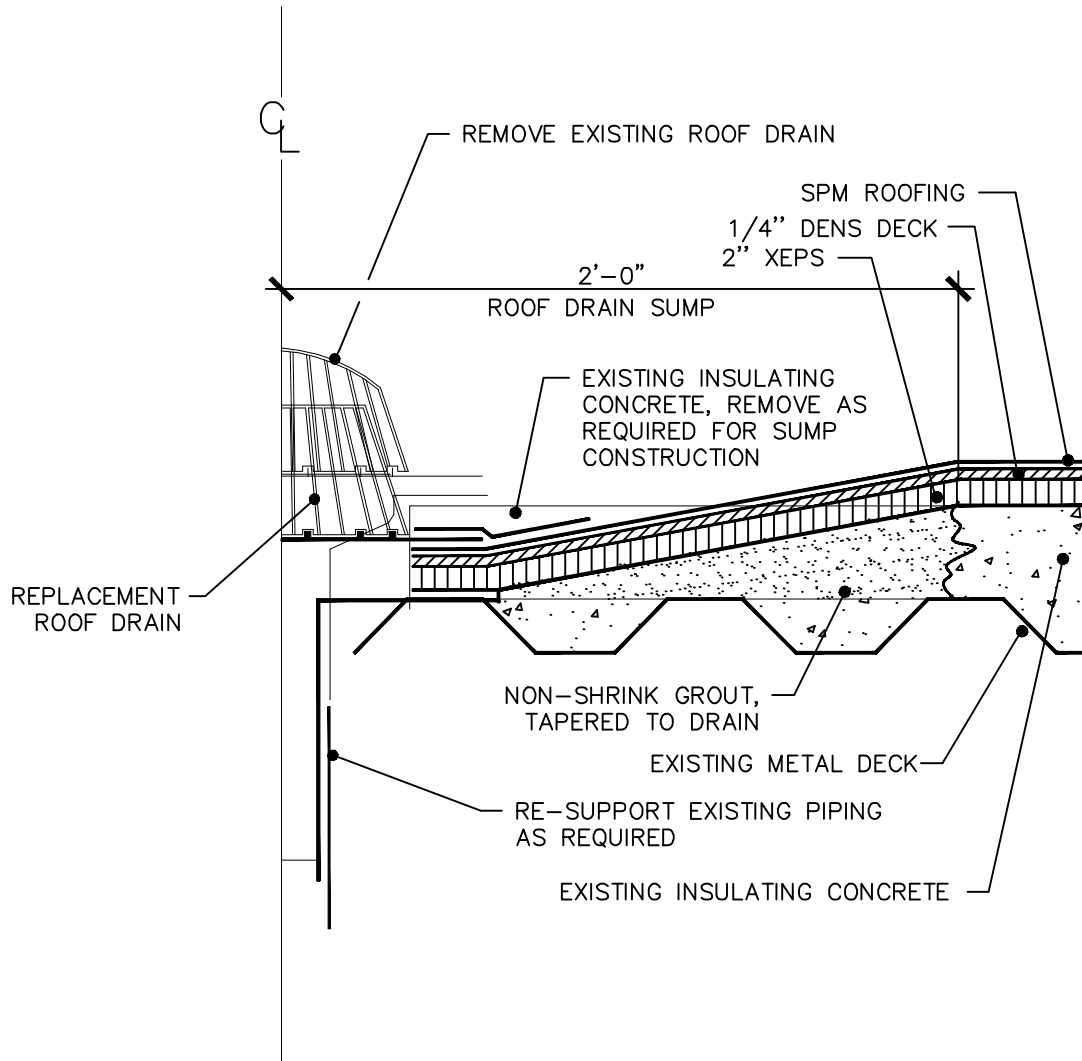
- A. All flashing shall be installed concurrently with the roof membrane in order to maintain a watertight condition as the work progresses. All temporary water stops shall be constructed to provide a 100% watertight seal. The stagger of the insulation panel joints shall be made even by installing partial panels. The new membrane shall be carried into the water stop. The water stop shall be sealed to the deck and/or substrate so that water shall 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 sealant as described in Section 2-14. 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 properly disposed of off site. None of these materials shall be used in the new work.
- B. If inclement weather occurs while a temporary water stop 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.

### 3.12 ADJUSTING AND CLEANING

- A. Repair of Deficiencies:
  1. Installations or details noted as deficient during final Inspection must be repaired and corrected by contractor, and made ready for reinspection, within five (5) working days.
  2. All roof drains shall be water tested for 24 hours.
- B. Clean-up:
  1. Immediately upon job completion, roof membrane surfaces, and grounds shall be cleaned of all debris. All gutters adjacent to work areas shall be cleaned.

- C. Final Acceptance Inspection:
  - 1. Do not call for a Final Inspection until work has been checked by the Project Manager/Superintendent to assure that all work complies with specifications.

**END OF SECTION**



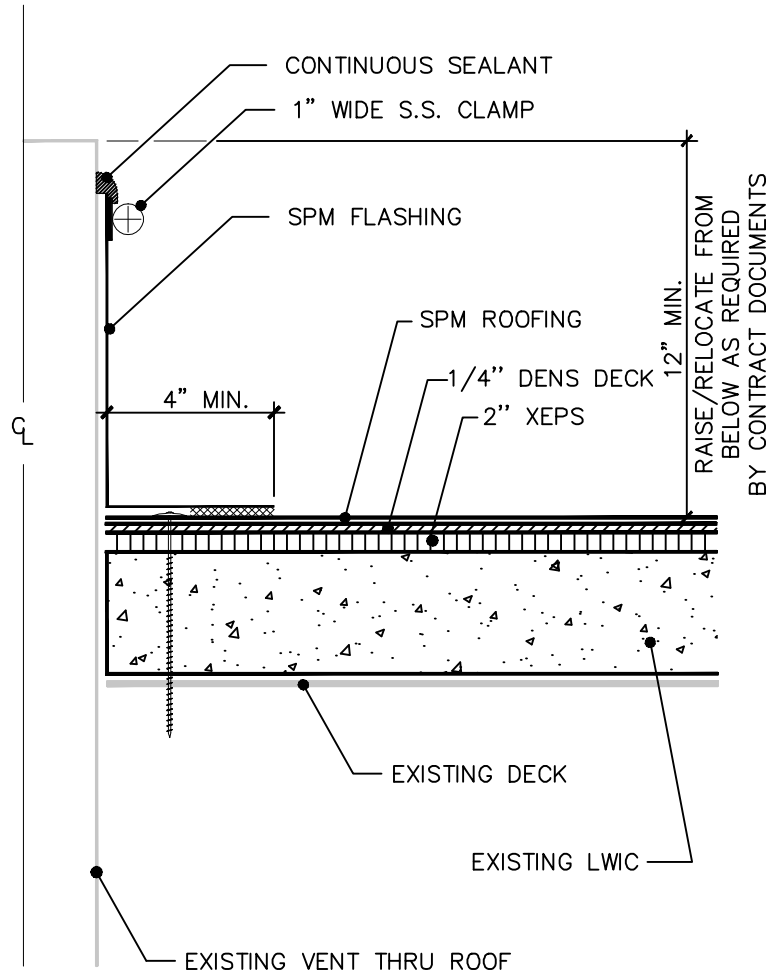
TITLE:  
**ROOF DRAIN FLASHING  
 DETAIL**

**DBY BUILDING SCIENCES, LLC**  
 2623 WEST STATE ROAD 434, LONGWOOD, FLORIDA 32779-4878  
 PHONE : 407-682-0125 FAX : 407-682-0223 800.823.ROOF  
 EMAIL : Robb.Smith@DBYBS.COM WWW.DBYBS.COM

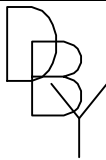
OSCEOLA COUNTY

REVISED: \_\_\_\_\_  
 REV.N.#: \_\_\_\_\_  
 DRN. BY: E.F.  
 CHK. BY: R.S.

SCALE: N.T.S.  
 DATE: 06/14/07  
 DWG.#: 31



RAISE/RELOCATE FROM  
BELOW AS REQUIRED  
BY CONTRACT DOCUMENTS

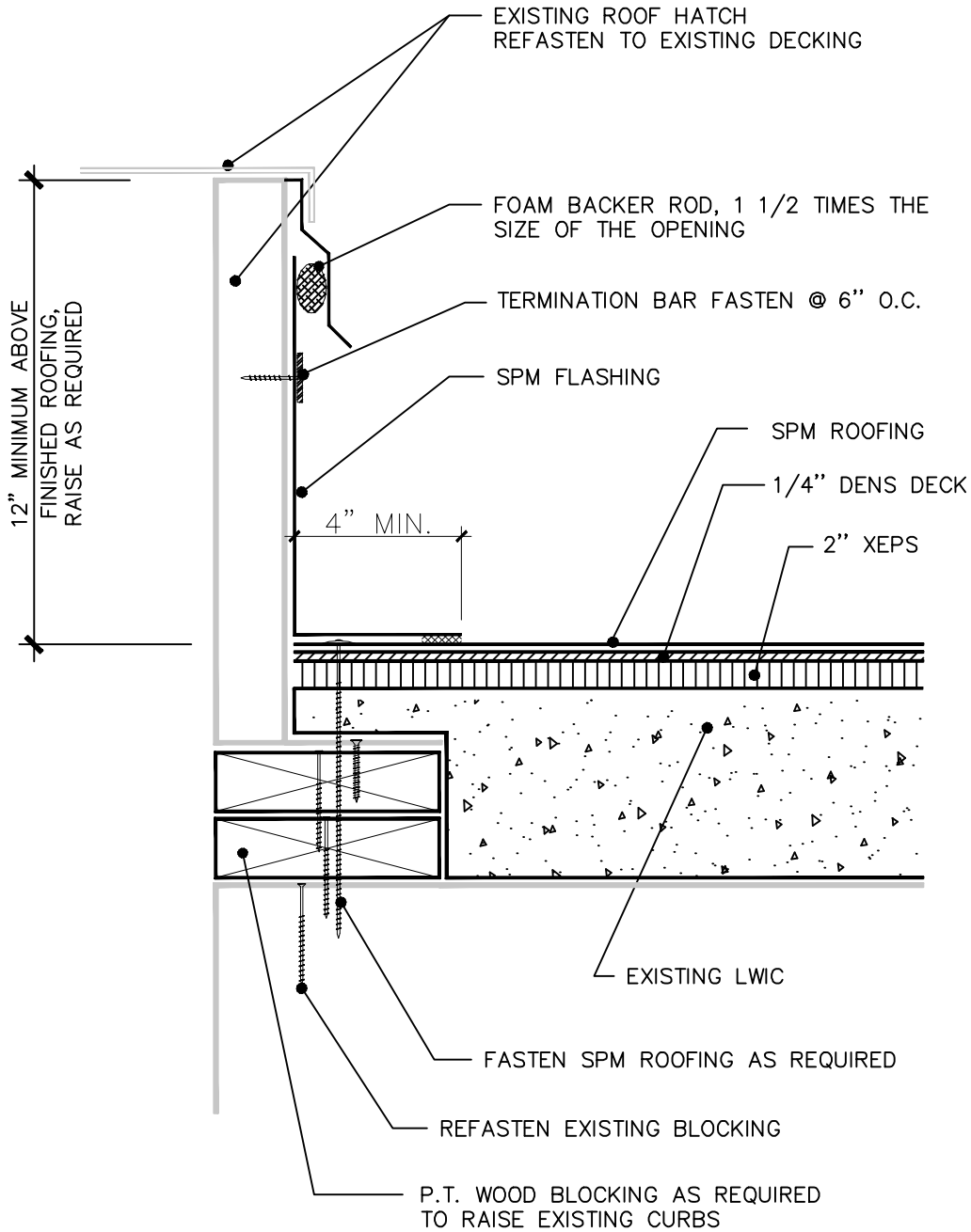


TITLE: V.T.R. FLASHING  
DETAIL  
DBY BUILDING SCIENCES, LLC  
2623 WEST STATE ROAD 434, LONGWOOD, FLORIDA 32779-4878  
PHONE : 407-682-0125 FAX : 407-682-0223 800.823.ROOF  
EMAIL : Robb.Smith@DBYBS.COM WWW.DBYBS.COM

OSCEOLA COUNTY

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CHK. BY: R.S.

SCALE: N.T.S.  
DATE: 06/14/07  
DWG.#: 32



**NOTE:**

SEE SPECIFICATIONS SECTION 06100 FOR FASTENER SCHEDULE



TITLE: ROOF SCUTTLE CURB FLASHING

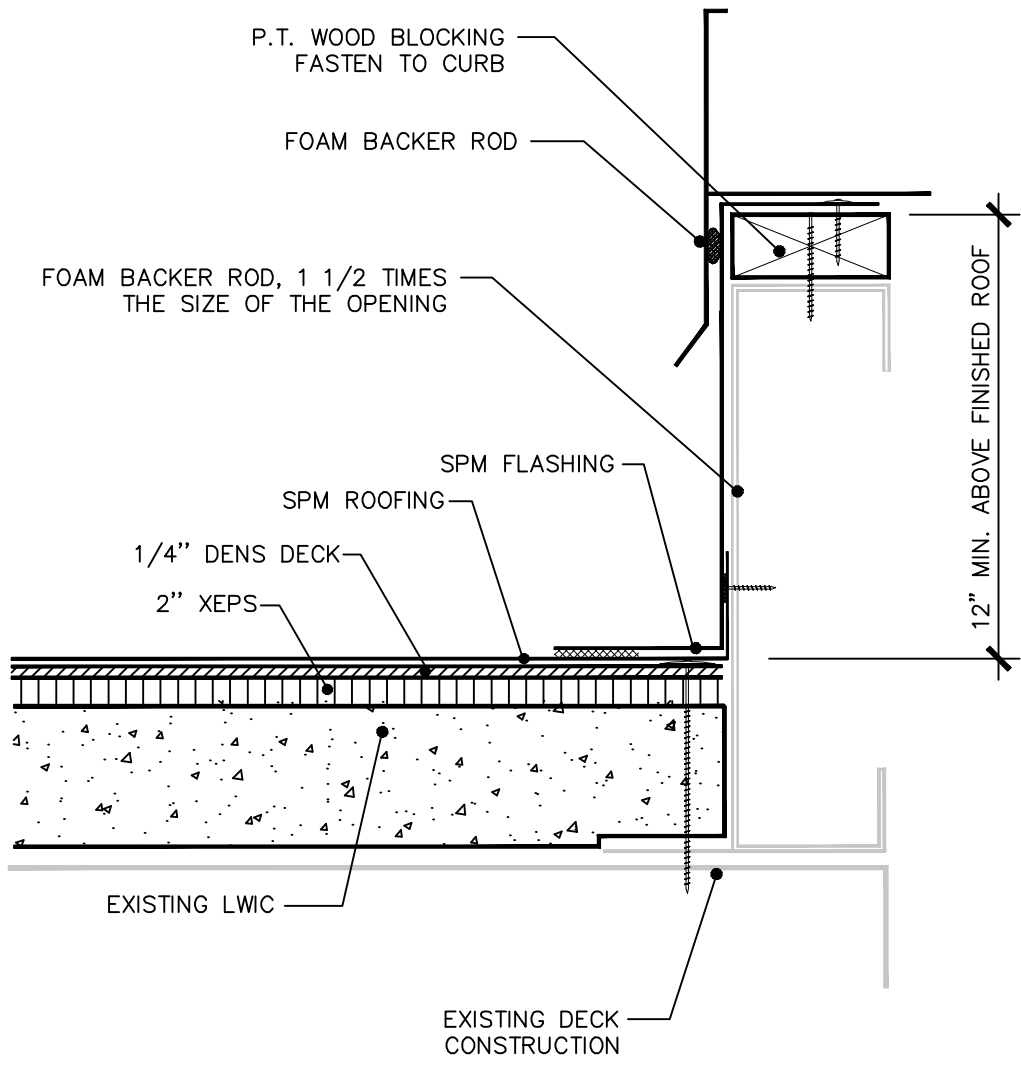
DBY BUILDING SCIENCES, LLC  
 2623 WEST STATE ROAD 434, LONGWOOD, FLORIDA 32779-4878  
 PHONE : 407-682-0125 FAX : 407-682-0223 800.823.ROOF  
 EMAIL : Robb.Smith@DBYBS.COM WWW.DBYBS.COM

OSCEOLA COUNTY

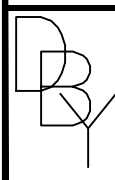
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 CHK. BY: R.S.

SCALE: N.T.S.  
 DATE: 06/14/07  
 DWG.#: 33





**NOTE:**  
SEE SPECIFICATION SECTION 06109, FOR FASTENER SCHEDULE

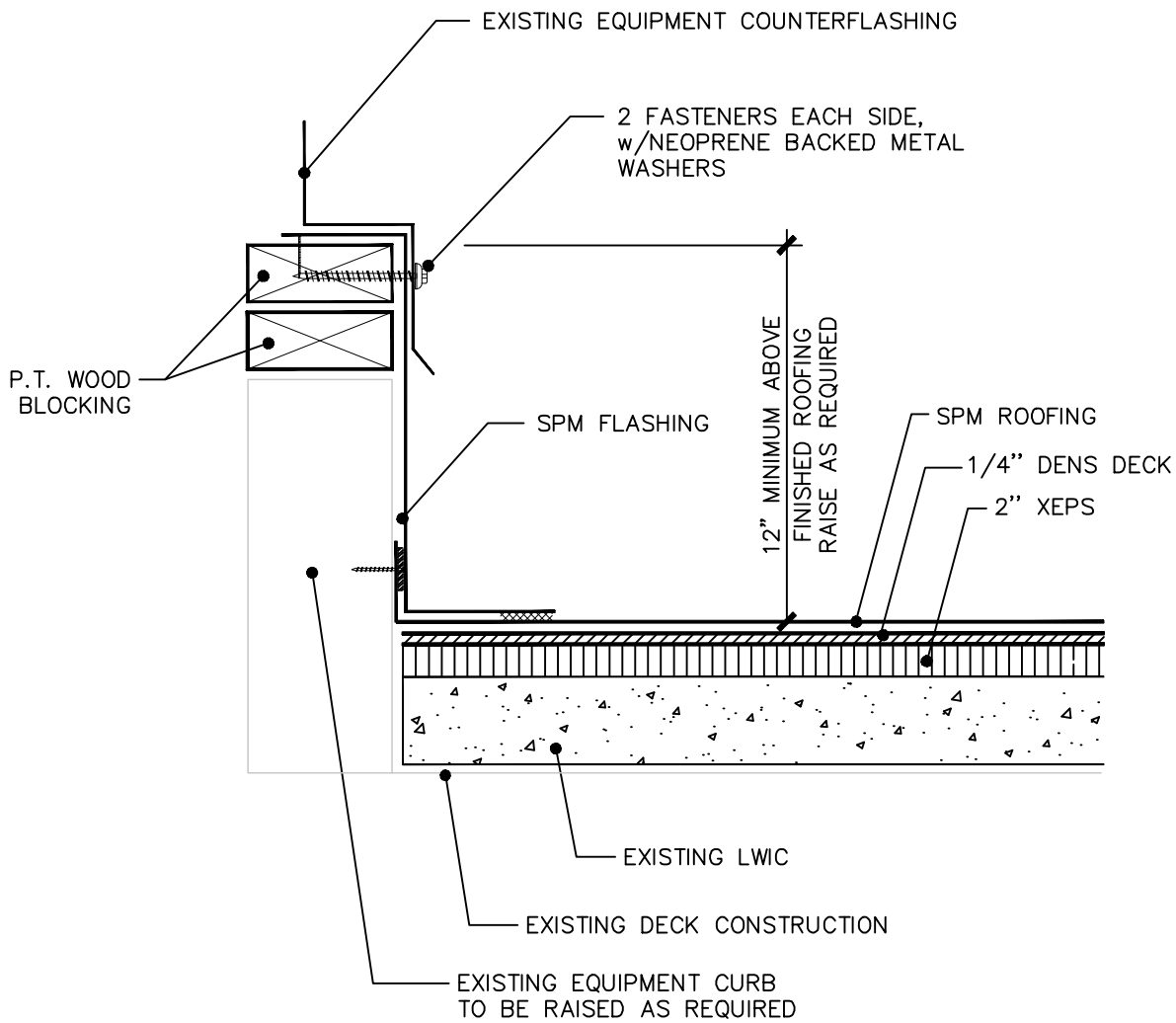


TITLE: HVAC CURB FLASHING  
 DBY BUILDING SCIENCES, LLC  
 2623 WEST STATE ROAD 434, LONGWOOD, FLORIDA 32779-4878  
 PHONE : 407-682-0125 FAX : 407-682-0223 800.823.ROOF  
 EMAIL : Robb.Smith@DBYBS.COM WWW.DBYBS.COM

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 CHK. BY: R.S.

SCALE: N.T.S.  
 DATE: 06/14/07  
 DWG.#: 34



NOTE:

SEE SPECIFICATIONS SECTION 06109 FOR FASTENER SCHEDULE



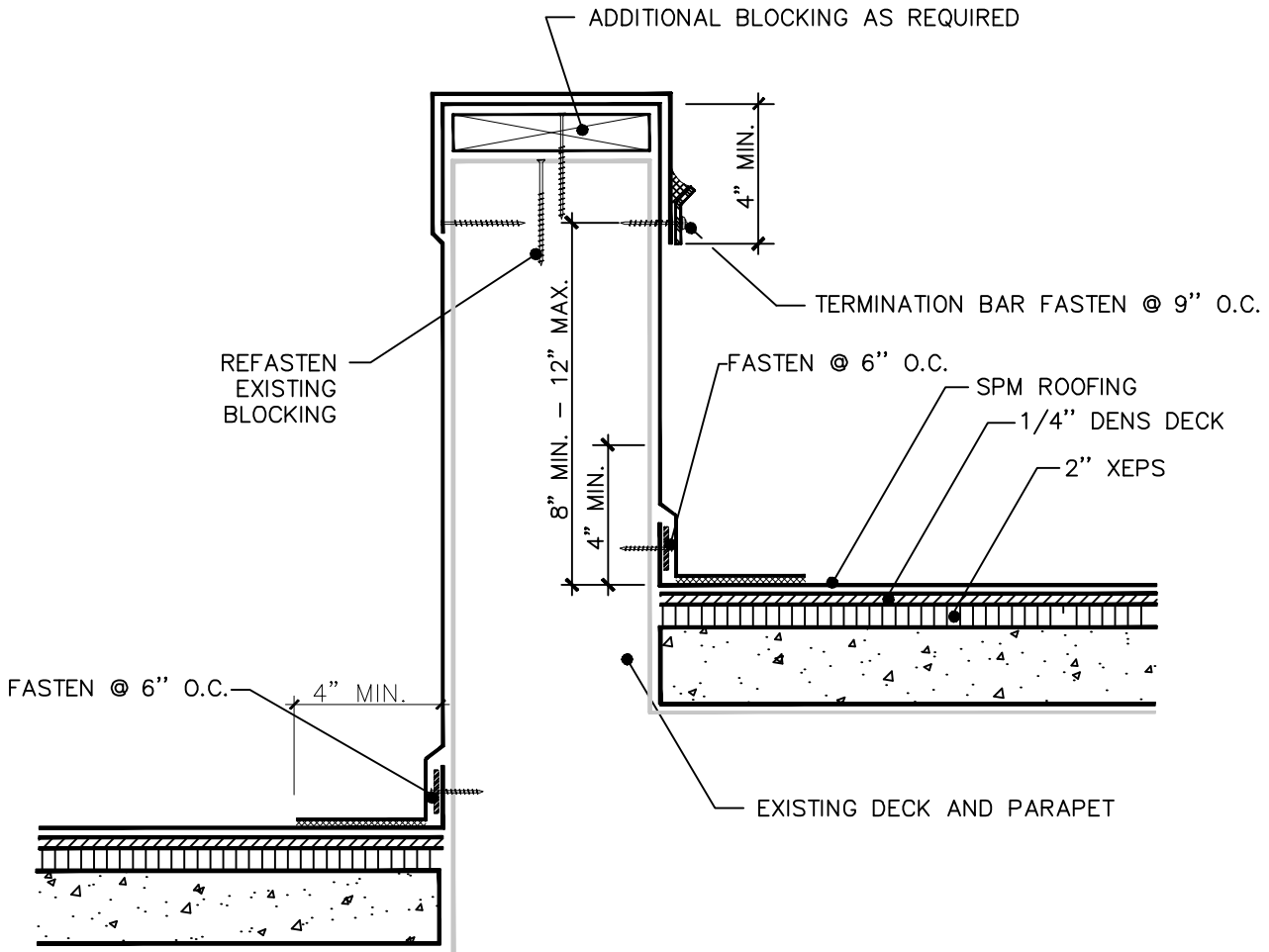
TITLE:  
CURB FLASHING

DBY BUILDING SCIENCES, LLC  
2623 WEST STATE ROAD 434, LONGWOOD, FLORIDA 32779-4878  
PHONE : 407-682-0125 FAX : 407-682-0223 800.823.ROOF  
EMAIL : Robb.Smith@DBYBS.COM WWW.DBYBS.COM

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DRN. BY: E.F.  
CHK. BY: R.S.

SCALE: N.T.S.  
DATE: 06/14/07  
DWG.#:  
35



NOTES:

SEE SPECIFICATIONS SECTION 06109 FOR FASTENER SCHEDULE

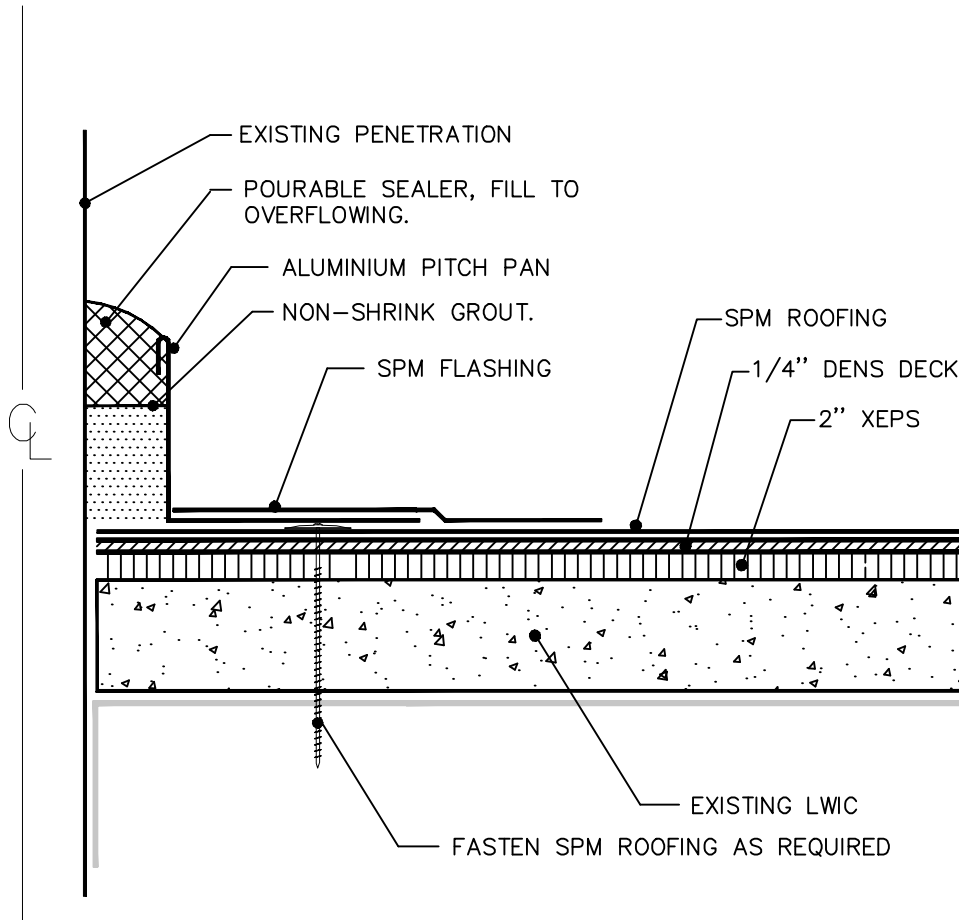


TITLE: INTERIOR PARAPET WALL FLASHING  
 DBY BUILDING SCIENCES, LLC  
 2623 WEST STATE ROAD 434, LONGWOOD, FLORIDA 32779-4878  
 PHONE : 407-682-0125 FAX : 407-682-0223 800.823.ROOF  
 EMAIL : Robb.Smith@DBYBS.COM WWW.DBYBS.COM

OSCEOLA COUNTY

REVISED:  
 REV.N.#:  
 DRN. BY: E.F.  
 CHK. BY: R.S.

SCALE: N.T.S.  
 DATE: 06/14/07  
 DWG.#: 36



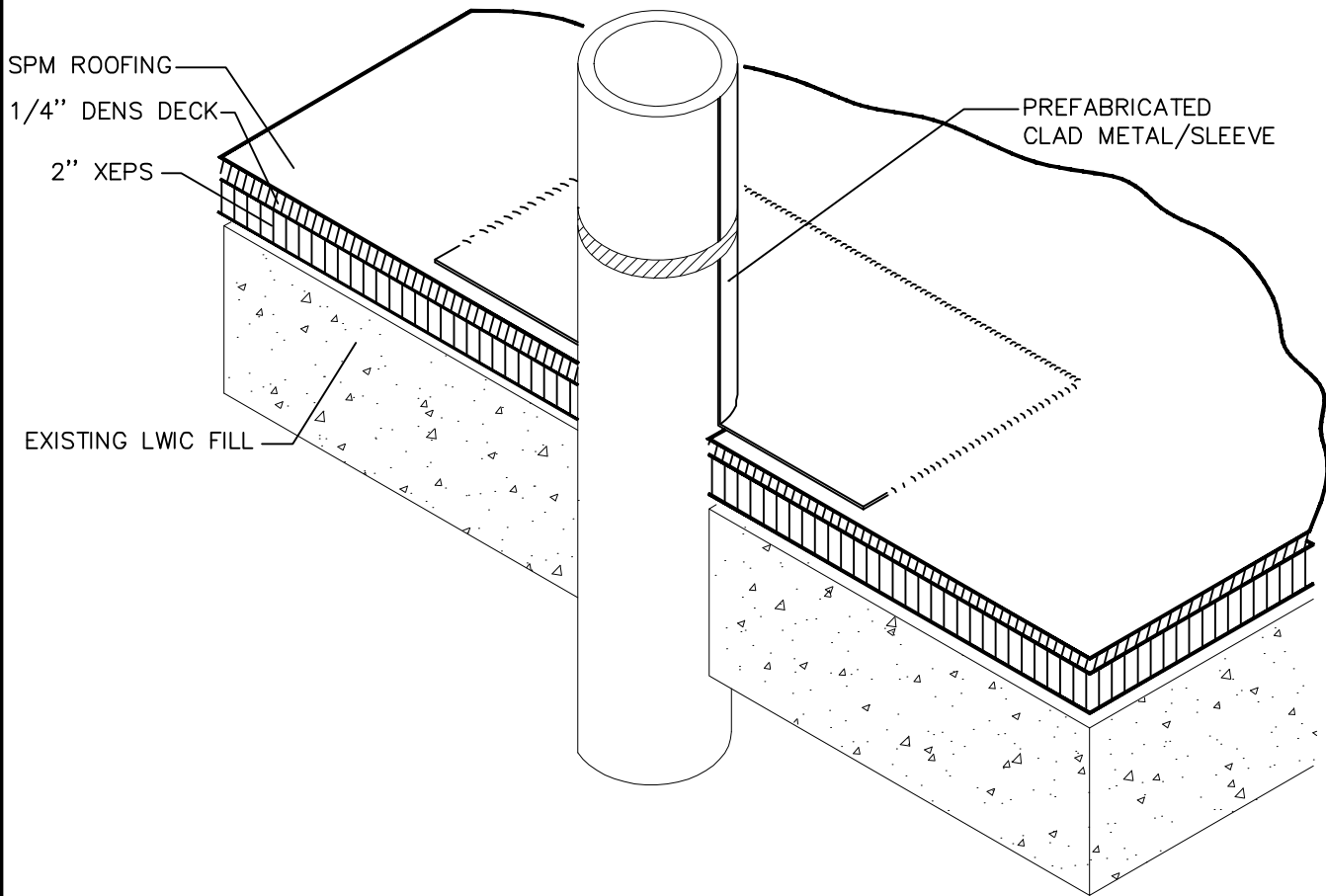
TITLE:  
**PITCH PAN FLASHING**

**DBY BUILDING SCIENCES, LLC**  
 2623 WEST STATE ROAD 434, LONGWOOD, FLORIDA 32779-4878  
 PHONE : 407-682-0125 FAX : 407-682-0223 800.823.ROOF  
 EMAIL : Robb.Smith@DBYBS.COM WWW.DBYBS.COM

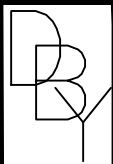
OSCEOLA COUNTY

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 REV.N.#:  
 DRN. BY: E.F.  
 CHK. BY: R.S.

SCALE: N.T.S.  
 DATE: 06/14/07  
 DWG.#:  
 37



NOTE: ELASTOMERIC SEALANT AT BASE OF CLAD METAL/SLEEVE NOT SHOWN FOR CLARITY.

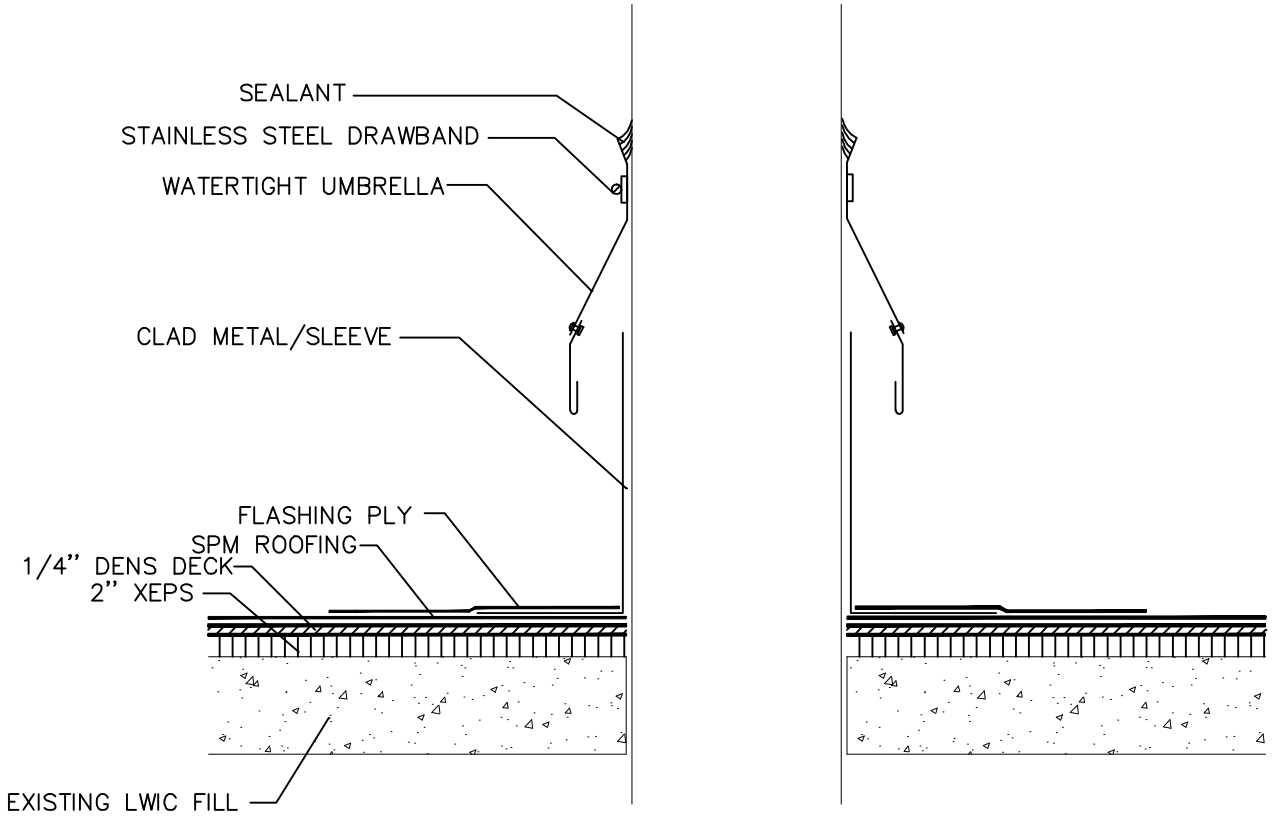


TITLE: PIPE PENETRATION FLASHING  
 DBY BUILDING SCIENCES, LLC  
 2623 WEST STATE ROAD 434, LONGWOOD, FLORIDA 32779-4878  
 PHONE : 407-682-0125 FAX : 407-682-0223 800.823.ROOF  
 EMAIL : Robb.Smith@DBYBS.COM WWW.DBYBS.COM

OSCEOLA COUNTY

REVISED:  
 REV.N.#:  
 DRN. BY: E.F.  
 CHK. BY: R.S.

SCALE: N.T.S.  
 DATE: 06/14/07  
 DWG.#: 38



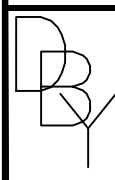
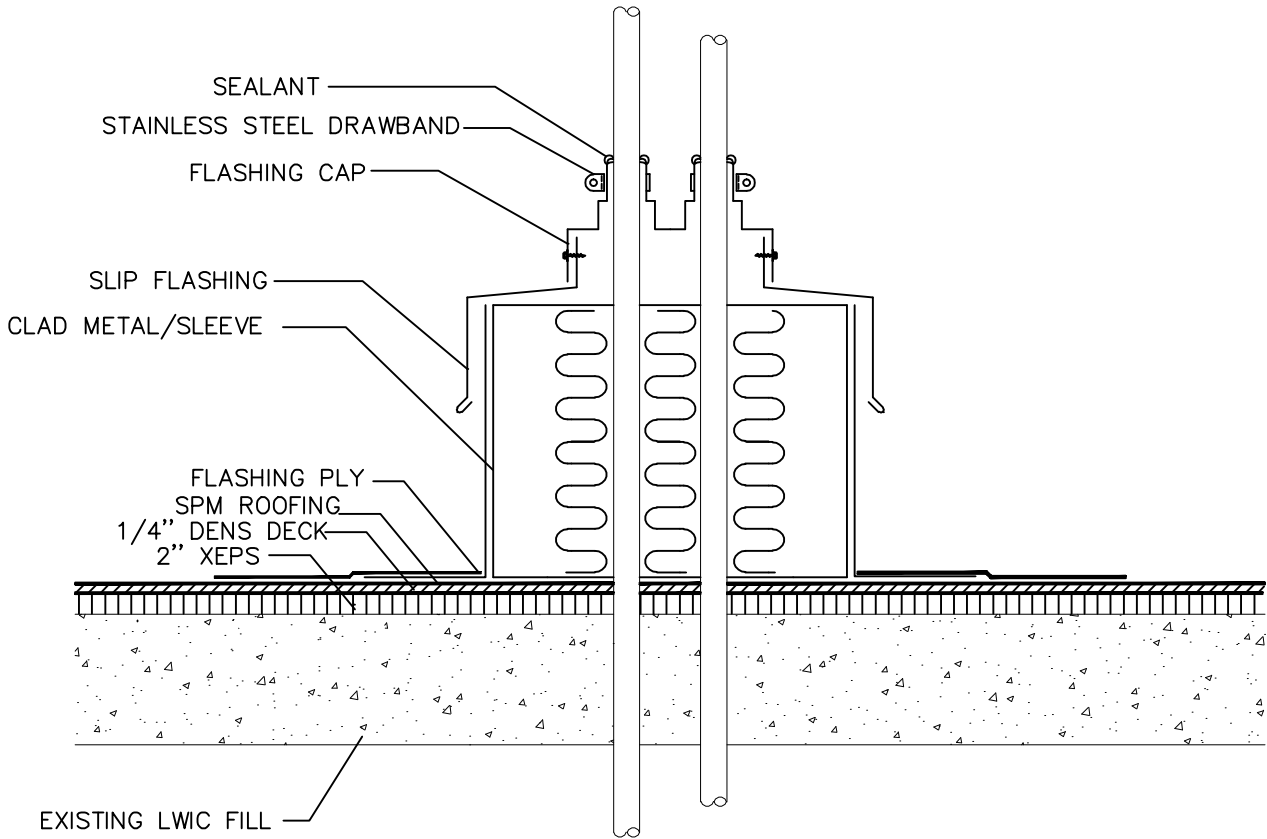
TITLE: FLANGE/SLEEVE AND UMBRELLA

DBY BUILDING SCIENCES, LLC  
 2623 WEST STATE ROAD 434, LONGWOOD, FLORIDA 32779-4878  
 PHONE : 407-682-0125 FAX : 407-682-0223 800.823.ROOF  
 EMAIL : Robb.Smith@DBYBS.COM WWW.DBYBS.COM

OSCEOLA COUNTY

REVISED: \_\_\_\_\_  
 REV.N.#: \_\_\_\_\_  
 DRN. BY: E.F.  
 CHK. BY: R.S.

SCALE: N.T.S.  
 DATE: 06/14/07  
 DWG.#: 39

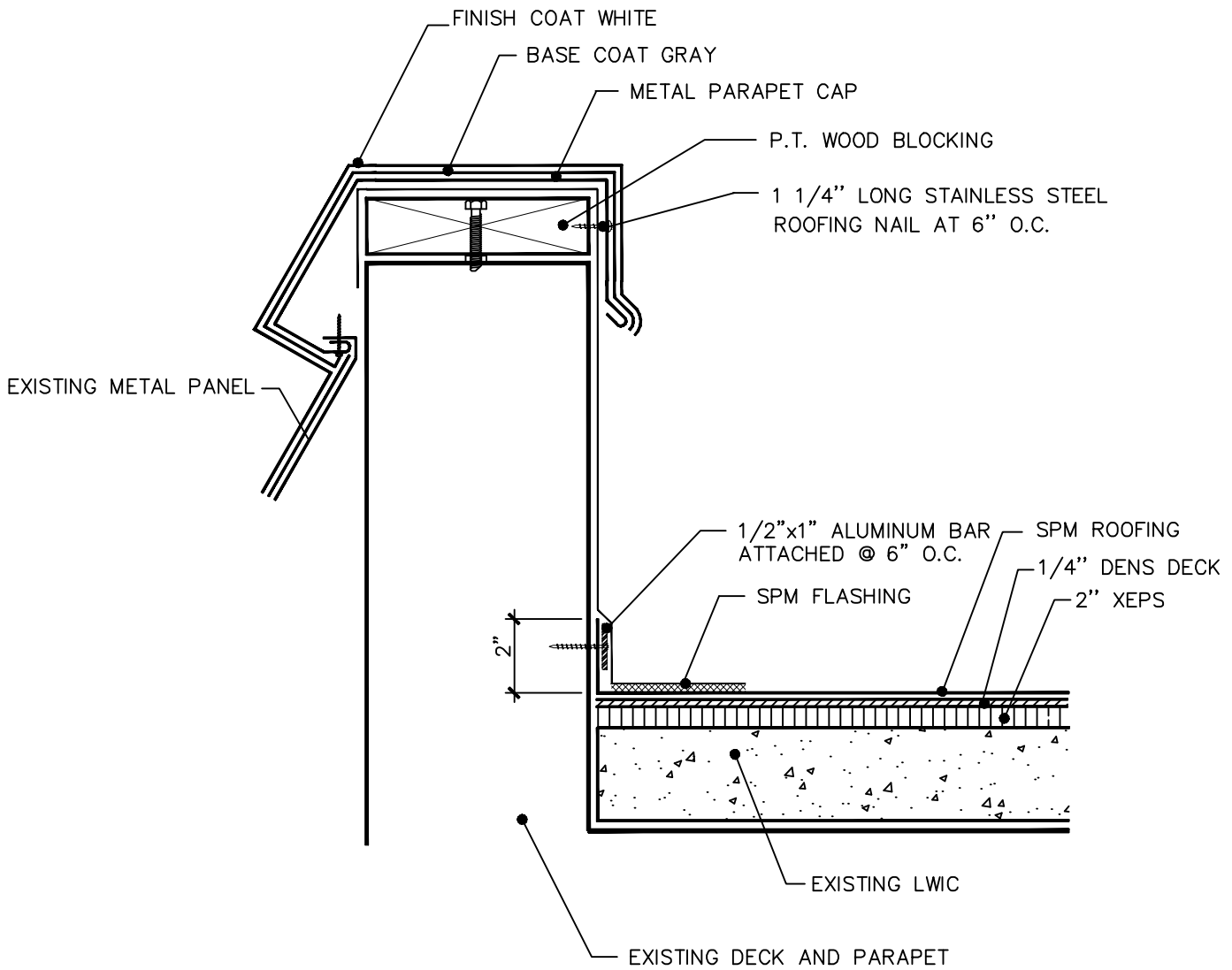


TITLE:  
**MULTIPLE PIPE  
 PENETRATION**  
 DBY BUILDING SCIENCES, LLC  
 2623 WEST STATE ROAD 434, LONGWOOD, FLORIDA 32779-4878  
 PHONE : 407-682-0125 FAX : 407-682-0223 800.823.ROOF  
 EMAIL : Robb.Smith@DBYBS.COM WWW.DBYBS.COM

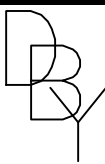
OSCEOLA COUNTY

REVISED:  
 REV.N.#:  
 DRN. BY: E.F.  
 CHK. BY: R.S.

SCALE: N.T.S.  
 DATE: 06/14/07  
 DWG.#:  
 40



**NOTES:**  
 SEE SPECIFICATIONS SECTION 06109, FOR FASTENER SCHEDULE



TITLE:  
**PARAPET WALL FLASHING**

DBY BUILDING SCIENCES, LLC  
 2623 WEST STATE ROAD 434, LONGWOOD, FLORIDA 32779-4878  
 PHONE : 407-682-0125 FAX : 407-682-0223 800.823.ROOF  
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OSCEOLA COUNTY

REVISED:  
 REV.N.#:  
 DRN. BY: E.F.  
 CHK. BY: R.S.

SCALE: N.T.S.  
 DATE: 06/14/07  
 DWG.#:  
 42