

## Solicitation 662-9463

# Low Slope Re-Roofing and Repair Projects (Re-Bid) - Project 16059-A

City of Fort Lauderdale

## Bid 662-9463

### Low Slope Re-Roofing and Repair Projects (Re-Bid) - Project 16059-A

Bid Number 662-9463  
 Bid Title Low Slope Re-Roofing and Repair Projects (Re-Bid) - Project 16059-A  
  
 Bid Start Date In Held  
 Bid End Date May 24, 2006 2:00:00 PM EDT  
  
 Bid Contact Rick Andrews  
 Procurement Specialist II  
 Procurement  
 954-828-4357  
 Randrews@fortlauderdale.gov  
  
 Contract Duration 2 years  
 Contract Renewal 3 annual renewals  
 Prices Good for 90 days  
  
 Bid Comments The City of Fort Lauderdale is actively seeking bids from qualified Contractors to furnish all labor, material, equipment, licenses, bonds, permits and incidentals to perform the Low Slope Re-Roofing and Repair Projects (Re-Bid), Project 16059-A for the City of Fort Lauderdale Public Works Department in full accordance with the specifications, terms, and conditions contained in this Invitation To Bid (ITB).

#### Item Response Form

Item 662-9463-1-01 - ITEM 1: ITEM 1 (A)  
 Quantity 1 each  
 Unit Price   
 Delivery Location City of Fort Lauderdale  
No Location Specified  
  
 Qty 1

**Description**  
 Please enter an allowance amount of \$25,000 in the unit price field.

Prior to any other work at the site, remove the asbestos containing material using licensed asbestos abatement Contractor in accordance with the asbestos test laboratory survey report recommendations.

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Item 662-9463-1-02 - ITEM 1: ITEM 1 (B)  
 Quantity 1 each  
 Unit Price   
 Delivery Location City of Fort Lauderdale  
No Location Specified  
  
 Qty 1

Description

Please enter an allowance amount of \$20,000 in the unit price field.

Provide an ALLOWANCE for additional areas not contained in the ACM report. Payment shall be based on actual receipts.

Item 662-9463-2-01 - ITEM 2 - Furnish all materials, labor, and equipment for existing roof tear-off, including existing insulation board, down to substrate. This item also includes all disposal costs.: a) Small Roof Repair Areas

Lot Description Furnish all materials, labor, and equipment for existing roof tear-off, including existing insulation board, down to substrate. This item also includes all disposal costs.

Quantity 450 square foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 450

Description

0 S.F. - 500 S.F.

Approximately: (2) Locations

Item 662-9463-2-02 - ITEM 2 - Furnish all materials, labor, and equipment for existing roof tear-off, including existing insulation board, down to substrate. This item also includes all disposal costs.: b) Medium Roof Repair/Replacement areas

Lot Description Furnish all materials, labor, and equipment for existing roof tear-off, including existing insulation board, down to substrate. This item also includes all disposal costs.

Quantity 8800 square foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 8800

Description

501 S.F. - 10,000 S.F.

Approximately: (2) Locations

Item 662-9463-2-03 - ITEM 2 - Furnish all materials, labor, and equipment for existing roof tear-off, including existing insulation board, down to substrate. This item also includes all disposal costs.: c) Large Roof Repair/Replacement Areas

Lot Description Furnish all materials, labor, and equipment for existing roof tear-off, including existing insulation board, down to substrate. This item also includes all disposal costs.

Quantity 46200 square foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 46200

Description  
 Over 10,001 S.F.  
 Approximately: (4) Locations

Item 662-9463-3-01 - ITEM 3 (A) Mopped in - Furnish all materials, labor, and equipment to install approved iso-therm or polyisocyanurate rigid insulation board tapered, based on 1 ½ inches thickness, fully attached to substrate.: a) Small Roof Repair Areas

Lot Description Furnish all materials, labor, and equipment to install approved iso-therm or polyisocyanurate rigid insulation board tapered, based on 1 ½ inches thickness, fully attached to substrate.

Quantity 450 square foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 450

Description  
 0 S.F. - 500 S.F.  
 Approximately: (2) Locations

Item 662-9463-3-02 - ITEM 3 (A) Mopped in - Furnish all materials, labor, and equipment to install approved iso-therm or polyisocyanurate rigid insulation board tapered, based on 1 ½ inches thickness, fully attached to substrate.: b) Medium Roof Repair/Replacement areas

Lot Description Furnish all materials, labor, and equipment to install approved iso-therm or polyisocyanurate rigid insulation board tapered, based on 1 ½ inches thickness, fully attached to substrate.

Quantity 8800 square foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 8800

Description  
 501 S.F. - 10,000 S.F.  
 Approximately: (2) Locations

Item 662-9463-3-03 - ITEM 3 (A) Mopped in - Furnish all materials, labor, and equipment to install approved iso-therm or polyisocyanurate rigid insulation board tapered, based on 1 ½ inches thickness, fully attached to substrate.: c) Large Roof Repair/Replacement Areas

Lot Description Furnish all materials, labor, and equipment to install approved iso-therm or polyisocyanurate rigid insulation board tapered, based on 1 ½ inches thickness, fully attached to substrate.

Quantity 46200 square foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 46200

Description  
Over 10,001 S.F.  
Approximately: (4) Locations

Item 662-9463-4-01 - ITEM 3 (B) Mechanically attached - Furnish all materials, labor, and equipment to install approved iso-therm or polyisocyanurate rigid insulation board tapered, based on 1 ½ inches thickness, fully attached to substrate.: a) Small Roof Repair Areas

Lot Description Furnish all materials, labor, and equipment to install approved iso-therm or polyisocyanurate rigid insulation board tapered, based on 1 ½ inches thickness, fully attached to substrate.

Quantity 450 square foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 450

Description  
0 S.F. - 500 S.F.  
Approximately: (2) Locations

Item 662-9463-4-02 - ITEM 3 (B) Mechanically attached - Furnish all materials, labor, and equipment to install approved iso-therm or polyisocyanurate rigid insulation board tapered, based on 1 ½ inches thickness, fully attached to substrate.: b) Medium Roof Repair/Replacement areas

Lot Description Furnish all materials, labor, and equipment to install approved iso-therm or polyisocyanurate rigid insulation board tapered, based on 1 ½ inches thickness, fully attached to substrate.

Quantity 8800 square foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 8800

Description  
501 S.F. - 10,000 S.F.  
Approximately: (2) Locations

Item 662-9463-4-03 - ITEM 3 (B) Mechanically attached - Furnish all materials, labor, and equipment to install approved iso-therm or polyisocyanurate rigid insulation board tapered, based on 1 ½ inches thickness, fully attached to substrate.: c) Large Roof Repair/Replacement Areas

Lot Description Furnish all materials, labor, and equipment to install approved iso-therm or polyisocyanurate rigid insulation board tapered, based on 1 ½ inches thickness, fully attached to substrate.

Quantity 46200 square foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 46200

Description  
Over 10,001 S.F.  
Approximately: (4) Locations

Item 662-9463-5-01 - ITEM 4: Furnish all materials, labor, and equipment to install 4 ply modified bitumen system, with 2-ply base flashing, anchor sheet, with vent sheet, without insulation. : a) Small Roof Repair Areas

Quantity 450 square foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 450

Description  
0 S.F. - 500 S.F..  
Approximately: (2) Locations

Item 662-9463-5-02 - ITEM 4: Furnish all materials, labor, and equipment to install 4 ply modified bitumen system, with 2-ply base flashing, anchor sheet, with vent sheet, without insulation. : b) Medium Roof Repair/Replacement areas

Quantity 8800 square foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 8800

Description  
501 S.F. - 10,000 S.F.  
Approximately: (2) Locations

Item 662-9463-5-03 - ITEM 4: Furnish all materials, labor, and equipment to install 4 ply modified bitumen system, with 2-ply base flashing, anchor sheet, with vent sheet, without insulation. : c) Large Roof Repair/Replacement Areas

Quantity 46200 square foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 46200

Description  
Over 10,001 S.F.  
Approximately: (4) Locations

Item 662-9463-6-01 - ITEM 5 A) Mopped in: Furnish all materials, labor, and equipment to install 4 ply modified bitumen system, with 2-ply base flashing, anchor sheet, without vent sheet (uninsulated applications).: a) Small Roof Repair Areas

Quantity 450 square foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 450

Description  
0 S.F. - 500 S.F.  
Approximately: (2) Locations

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Item 662-9463-6-02 - ITEM 5 A) Mopped in: Furnish all materials, labor, and equipment to install 4 ply modified bitumen system, with 2-ply base flashing, anchor sheet, without vent sheet (uninsulated applications).: b) Medium Roof Repair/Replacement areas

Quantity 8800 square foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 8800

Description  
501 S.F. - 10,000 S.F.  
Approximately: (2) Locations

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Item 662-9463-6-03 - ITEM 5 A) Mopped in: Furnish all materials, labor, and equipment to install 4 ply modified bitumen system, with 2-ply base flashing, anchor sheet, without vent sheet (uninsulated applications).: c) Large Roof Repair/Replacement Areas

Quantity 46200 square foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 46200

Description  
Over 10,001 S.F.  
Approximately: (4) Locations

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Item 662-9463-7-01 - ITEM 5 B) Mechanically attached: Furnish all materials, labor, and equipment to install 4 ply modified bitumen system, with 2-ply base flashing, anchor sheet, without vent sheet (uninsulated applications).: a) Small Roof Repair Areas

Quantity 450 square foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 450

Description  
 0 S.F. - 500 S.F.  
 Approximately: (2) Locations

Item 662-9463-7-02 - ITEM 5 B) Mechanically attached: Furnish all materials, labor, and equipment to install 4 ply modified bitumen system, with 2-ply base flashing, anchor sheet, without vent sheet (uninsulated applications):. b) Medium Roof Repair/Replacement areas

Quantity 8800 square foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 8800

Description  
 501 S.F. - 10,000 S.F.  
 Approximately: (2) Locations

Item 662-9463-7-03 - ITEM 5 B) Mechanically attached: Furnish all materials, labor, and equipment to install 4 ply modified bitumen system, with 2-ply base flashing, anchor sheet, without vent sheet (uninsulated applications):. c) Large Roof Repair/Replacement Areas

Quantity 46200 square foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 46200

Description  
 Over 10,001 S.F.  
 Approximately: (4) Locations

Item 662-9463-8-01 - ITEM 6: Furnish all materials, labor, and equipment to install approved cants, 1½ inches thickness by 3½ inches wide. : a) Small Roof Repair Areas

Quantity 25 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 25

Description  
 0 S.F. - 500 S.F.  
 Approximately: (2) Locations

Item 662-9463-8-02 - ITEM 6: Furnish all materials, labor, and equipment to install approved cants, 1½ inches thickness by 3½ inches wide. : b) Medium Roof Repair/Replacement areas

Quantity 90 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 90

Description  
501 S.F. - 10,000 S.F.L  
Approximately: (2) Locations

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Item 662-9463-8-03 - ITEM 6: Furnish all materials, labor, and equipment to install approved cants, 1½ inches thickness by 3½ inches wide. : c) Large Roof Repair/Replacement Areas

Quantity 200 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 200

Description  
Over 10,001 S.F. L  
Approximately: (4) Locations

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Item 662-9463-9-01 - ITEM 7: Furnish all materials, labor, and equipment to install flexible, non-metallic flashings, 18 inches wide: a) Small Roof Repair Areas:

Quantity 25 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 25

Description  
0 S.F. - 500 S.F.  
Approximately: (2) Locations

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Item 662-9463-9-02 - ITEM 7: Furnish all materials, labor, and equipment to install flexible, non-metallic flashings, 18 inches wide: b) Medium Roof Repair/Replacement areas

Quantity 90 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 90

Description

501 S.F. - 10,000 S.F.  
 Approximately: (2) Locations

Item 662-9463-9-03 - ITEM 7: Furnish all materials, labor, and equipment to install flexible, non-metallic flashings, 18 inches wide: c) Large Roof Repair/Replacement Areas

Quantity 200 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 200

Description  
 Over 10,001 S.F.  
 Approximately: (4) Locations

Item 662-9463-10-01 - ITEM 8: Furnish all materials, labor, and equipment to install built-up roof repair/replacement, including pea gravel protection: a) Small Roof Repair Areas

Quantity 450 square foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 450

Description  
 0 S.F. - 500 S.F.  
 Approximately: (1) Location

Item 662-9463-10-02 - ITEM 8: Furnish all materials, labor, and equipment to install built-up roof repair/replacement, including pea gravel protection: b) Medium Roof Repair/Replacement areas

Quantity 12000 square foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 12000

Description  
 501 S.F. - 15,000 S.F.  
 Approximately: (2) Locations

Item 662-9463-11-01 - ITEM 9: Furnish all materials, labor, and equipment to install built-up roof pea gravel: a) Small Roof Repair Areas

Quantity 450 square foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 450

Description  
0 S.F. - 500 S.F.  
Approximately: (1) Location

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Item 662-9463-11-02 - ITEM 9: Furnish all materials, labor, and equipment to install built-up roof pea gravel: b) Medium Roof Repair/Replacement areas

Quantity 12000 square foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 12000

Description  
501 S.F. - 15,000 S.F.  
Approximately: (2) Locations

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Item 662-9463-12-01 - ITEM 10: Furnish all materials, labor, and equipment to install wall sheet metal flashing, 24 gauge stainless steel, 8 inches wide: a) Small Roof Repair Areas

Quantity 25 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 25

Description  
0 S.F. - 500 S.F.  
Approximately: (2) Locations

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Item 662-9463-12-02 - ITEM 10: Furnish all materials, labor, and equipment to install wall sheet metal flashing, 24 gauge stainless steel, 8 inches wide: b) Medium Roof Repair/Replacement areas

Quantity 90 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 90

Description  
501 S.F. - 10,000 S.F.  
Approximately: (2) Locations

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Item 662-9463-12-03 - ITEM 10: Furnish all materials, labor, and equipment to install wall sheet metal flashing, 24 gauge stainless steel, 8 inches wide: c) Large Roof Repair/Replacement Areas

Quantity 200 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 200

Description  
Over 10,001 S.F.  
Approximately: (4) Locations

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Item 662-9463-13-01 - ITEM 11 A) 24 Gauge Galvanized Steel - Furnish all materials, labor, and equipment to install continuous 4-inches metal drip edge: a) Small Roof Repair Areas

Quantity 25 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 25

Description  
0 S.F. - 500 S.F.  
Approximately: (2) Locations

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Item 662-9463-13-02 - ITEM 11 A) 24 Gauge Galvanized Steel - Furnish all materials, labor, and equipment to install continuous 4-inches metal drip edge: b) Medium Roof Repair/Replacement areas

Quantity 90 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 90

Description  
501 S.F. - 10,000 S.F.  
Approximately: (2) Locations

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Item 662-9463-13-03 - ITEM 11 A) 24 Gauge Galvanized Steel - Furnish all materials, labor, and equipment to install continuous 4-inches metal drip edge: c) Large Roof Repair/Replacement Areas

Quantity 200 linear foot

Unit Price

Delivery Location City of Fort Lauderdale

No Location Specified

Qty 200

Description  
Over 10,001 S.F.  
Approximately: (4) Locations

Item 662-9463-14-01 - ITEM 11 B) 24 Gauge Stainless Steel: Furnish all materials, labor, and equipment to install continuous 4-inches metal drip edge: a) Small Roof Repair Areas

Quantity 25 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 25

Description  
0 S.F. - 500 S.F.  
Approximately: (2) Locations

Item 662-9463-14-02 - ITEM 11 B) 24 Gauge Stainless Steel: Furnish all materials, labor, and equipment to install continuous 4-inches metal drip edge: b) Medium Roof Repair/Replacement areas

Quantity 90 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 90

Description  
501 S.F. - 10,000 S.F.  
Approximately: (2) Locations

Item 662-9463-14-03 - ITEM 11 B) 24 Gauge Stainless Steel: Furnish all materials, labor, and equipment to install continuous 4-inches metal drip edge: c) Large Roof Repair/Replacement Areas

Quantity 200 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 200

Description  
Over 10,001 S.F.  
Approximately: (4) Locations

Item 662-9463-15-01 - ITEM 11 C) Copper: Furnish all materials, labor, and equipment to install continuous 4-inches metal drip edge: a) Small Roof Repair Areas

Quantity 25 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 25

Description  
0 S.F. - 500 S.F.  
Approximately: (2) Locations

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Item 662-9463-15-02 - ITEM 11 C) Copper: Furnish all materials, labor, and equipment to install continuous 4-inches metal drip edge: b) Medium Roof Repair/Replacement areas

Quantity 90 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 90

Description  
501 S.F. - 10,000 S.F.  
Approximately: (2) Locations

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Item 662-9463-15-03 - ITEM 11 C) Copper: Furnish all materials, labor, and equipment to install continuous 4-inches metal drip edge: c) Large Roof Repair/Replacement Areas

Quantity 200 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 200

Description  
Over 10,001 S.F.  
Approximately: (4) Locations

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Item 662-9463-16-01 - ITEM 11 D) Aluminum: Furnish all materials, labor, and equipment to install continuous 4-inches metal drip edge: a) Small Roof Repair Areas

Quantity 25 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 25

Description  
0 S.F. - 500 S.F.  
Approximately: (2) Locations

Item 662-9463-16-02 - ITEM 11 D) Aluminum: Furnish all materials, labor, and equipment to install continuous 4-inches metal drip edge: b) Medium Roof Repair/Replacement areas

Quantity 90 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 90

Description  
501 S.F. - 10,000 S.F.  
Approximately: (2) Locations

Item 662-9463-16-03 - ITEM 11 D) Aluminum: Furnish all materials, labor, and equipment to install continuous 4-inches metal drip edge: c) Large Roof Repair/Replacement Areas

Quantity 200 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 200

Description  
Over 10,001 S.F.  
Approximately: (4) Locations

Item 662-9463-17-01 - ITEM 12: Furnish all materials, labor, and equipment to install wall counter flashing 24 gauge stainless steel, surface mounted with springlock reglet and 24 gauge stainless steel flashing, 6-inches vertical: a) Small Roof Repair Areas

Quantity 25 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 25

Description  
0 S.F. - 500 S.F.  
Approximately: (2) Locations

Item 662-9463-17-02 - ITEM 12: Furnish all materials, labor, and equipment to install wall counter flashing 24 gauge stainless steel, surface mounted with springlock reglet and 24 gauge stainless steel flashing, 6-inches vertical: b) Medium Roof Repair/Replacement areas

Quantity 90 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 90

Description  
501 S.F. - 10,000 S.F.  
Approximately: (2) Locations

Item 662-9463-17-03 - ITEM 12: Furnish all materials, labor, and equipment to install wall counter flashing 24 gauge stainless steel, surface mounted with springlock reglet and 24 gauge stainless steel flashing, 6-inches vertical: c) Large Roof Repair/Replacement Areas

Quantity 200 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 200

Description  
Over 10,001 S.F.  
Approximately: (4) Locations

Item 662-9463-18-01 - ITEM 13 A) 24 Gauge Galvanized Steel: Furnish all materials, labor, and equipment to install metal coping cap, snap-lok system, 8-inches wide: a) Small Roof Repair Areas

Quantity 25 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 25

Description  
0 S.F. - 500 S.F.  
Approximately: (2) Locations

Item 662-9463-18-02 - ITEM 13 A) 24 Gauge Galvanized Steel: Furnish all materials, labor, and equipment to install metal coping cap, snap-lok system, 8-inches wide: b) Medium Roof Repair/Replacement areas

Quantity 90 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 90

Description  
501 S.F. - 10,000 S.F.  
Approximately: (2) Locations

Item 662-9463-18-03 - ITEM 13 A) 24 Gauge Galvanized Steel: Furnish all materials, labor, and equipment to install metal coping cap, snap-lok system, 8-inches wide: c) Large Roof Repair/Replacement Areas

Quantity 200 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 200

Description  
Over 10,001 S.F.  
Approximately: (4) Locations

Item 662-9463-19-01 - ITEM 13 B) 24 Gauge Stainless Steel: Furnish all materials, labor, and equipment to install metal coping cap, snap-lok system, 8-inches wide: a) Small Roof Repair Areas

Quantity 25 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 25

Description  
0 S.F. - 500 S.F.  
Approximately: (2) Locations

Item 662-9463-19-02 - ITEM 13 B) 24 Gauge Stainless Steel: Furnish all materials, labor, and equipment to install metal coping cap, snap-lok system, 8-inches wide: b) Medium Roof Repair/Replacement areas

Quantity 90 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 90

Description  
501 S.F. - 10,000 S.F.  
Approximately: (2) Locations

Item 662-9463-19-03 - ITEM 13 B) 24 Gauge Stainless Steel: Furnish all materials, labor, and equipment to install metal coping cap, snap-lok system, 8-inches wide: c) Large Roof Repair/Replacement Areas

Quantity 200 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified  
 Qty 200

Description  
 Over 10,001 S.F.  
 Approximately: (4) Locations

Item 662-9463-20-01 - ITEM 13 C) Aluminum with kynar finish: Furnish all materials, labor, and equipment to install metal coping cap, snap-lok system, 8-inches wide: a) Small Roof Repair Areas  
 Quantity 25 linear foot  
 Unit Price   
 Delivery Location City of Fort Lauderdale  
No Location Specified  
 Qty 25

Description  
 0 S.F. - 500 S.F.  
 Approximately: (2) Locations

Item 662-9463-20-02 - ITEM 13 C) Aluminum with kynar finish: Furnish all materials, labor, and equipment to install metal coping cap, snap-lok system, 8-inches wide: b) Medium Roof Repair/Replacement areas  
 Quantity 90 linear foot  
 Unit Price   
 Delivery Location City of Fort Lauderdale  
No Location Specified  
 Qty 90

Description  
 501 S.F. - 10,000 S.F.  
 Approximately: (2) Locations

Item 662-9463-20-03 - ITEM 13 C) Aluminum with kynar finish: Furnish all materials, labor, and equipment to install metal coping cap, snap-lok system, 8-inches wide: c) Large Roof Repair/Replacement Areas  
 Quantity 200 linear foot  
 Unit Price   
 Delivery Location City of Fort Lauderdale  
No Location Specified  
 Qty 200

Description  
 Over 10,001 S.F.  
 Approximately: (4) Locations

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Item 662-9463-21-01 - ITEM 14: Furnish all materials, labor, and equipment to install pipe mounting pedestals (4), with equipment rail (3 feet x 3 feet), and flashing, 18 inches high: Furnish all materials, labor, and equipment to install pipe mounting pe

Quantity 4 each

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 4

## Description

ITEM 14: Furnish all materials, labor, and equipment to install pipe mounting pedestals (4), with equipment rail (3 feet x 3 feet), and flashing, 18 inches high

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Item 662-9463-22-01 - ITEM 15: Furnish all materials, labor, and equipment to install pitch pocket, for 6-inch diameter vertical element.: ITEM 15: Furnish all materials, labor, and equipment to install pitch pocket, fo

Quantity 4 each

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 4

## Description

ITEM 15: Furnish all materials, labor, and equipment to install pitch pocket, for 6-inch diameter vertical element.

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Item 662-9463-23-01 - ITEM 16: Furnish all materials, labor, and equipment to install pipe or duct mounting roof pedestal, 18 gauge galvanized steel complete with flashing, 12-inches high: ITEM 16: Furnish all materials, labor, and equipment to install pipe or duct mou

Quantity 4 each

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 4

## Description

ITEM 16: Furnish all materials, labor, and equipment to install pipe or duct mounting roof pedestal, 18 gauge galvanized steel complete with flashing, 12-inches high

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Item 662-9463-24-01 - ITEM 17: Furnish all materials, labor, and equipment to install roof penetration flashings, stainless steel 26 GA., with sealant cover, for vertical 6 inch diameter element, 9 inches high, umbrella type: ITEM 17: Furnish all materials, labor, and equipment to install roof penetration

Quantity 4 each

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 4

## Description

ITEM 17: Furnish all materials, labor, and equipment to install roof penetration flashings, stainless steel 26 GA., with sealant cover, for vertical 6 inch diameter element, 9 inches high, umbrella type

---

Item	662-9463-25-01 - ITEM 18: Furnish all materials, labor, and equipment to install 12 inches high, 3 feet wide x 3 feet long, roof equipment support curbs, 1 ½ inches thick 3 lbs., rigid insulation, 18 GA., Galvanized steel shell, base plate and fully mitered 3 inches cant: ITEM 18: Furnish all materials, labor, and equipment to install 12 inches high,
Quantity	4 each
Unit Price	<input type="text"/>
Delivery Location	City of Fort Lauderdale <u>No Location Specified</u>
	Qty 4

## Description

ITEM 18: Furnish all materials, labor, and equipment to install 12 inches high, 3 feet wide x 3 feet long, roof equipment support curbs, 1 ½ inches thick 3 lbs., rigid insulation, 18 GA., Galvanized steel shell, base plate and fully mitered 3 inches cant

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Item	662-9463-26-01 - ITEM 19: Furnish all materials, labor, and equipment to install rubber boot flashings for vertical round penetrations, typically vent stacks, 4-6 inches diameter, 8 inches high, complete with stainless steel clamps: ITEM 19: Furnish all materials, labor, and equipment to install rubber boot flas
Quantity	4 each
Unit Price	<input type="text"/>
Delivery Location	City of Fort Lauderdale <u>No Location Specified</u>
	Qty 4

## Description

ITEM 19: Furnish all materials, labor, and equipment to install rubber boot flashings for vertical round penetrations, typically vent stacks, 4-6 inches diameter, 8 inches high, complete with stainless steel clamps

---

Item	662-9463-27-01 - ITEM 20: Furnish all materials, labor, and equipment to install 6 inches roof drain, standard dura-coated cast iron, steel inserts with strainer, and clamps (by Zurin, or approved equal): ITEM 20: Furnish all materials, labor, and equipment to install 6 inches roof dr
Quantity	4 each
Unit Price	<input type="text"/>
Delivery Location	City of Fort Lauderdale <u>No Location Specified</u>
	Qty 4

## Description

ITEM 20: Furnish all materials, labor, and equipment to install 6 inches roof drain, standard dura-coated cast iron, steel inserts with strainer, and clamps (by Zurin, or approved equal)

---

Item	662-9463-28-01 - ITEM 21: Furnish all materials, labor, and equipment to install expansion joint cover, without blocking: a) Small Roof Repair Areas
------	--

Quantity 25 linear foot  
 Unit Price   
 Delivery Location City of Fort Lauderdale  
No Location Specified  
 Qty 25

Description  
 0 S.F. - 500 S.F.  
 Approximately: (2) Locations

Item 662-9463-28-02 - ITEM 21: Furnish all materials, labor, and equipment to install expansion joint cover, without blocking: b) Medium Roof Repair/Replacement areas  
 Quantity 90 linear foot  
 Unit Price   
 Delivery Location City of Fort Lauderdale  
No Location Specified  
 Qty 90

Description  
 501 S.F. - 10,000 S.F.  
 Approximately: (2) Locations

Item 662-9463-28-03 - ITEM 21: Furnish all materials, labor, and equipment to install expansion joint cover, without blocking: c) Large Roof Repair/Replacement Areas  
 Quantity 200 linear foot  
 Unit Price   
 Delivery Location City of Fort Lauderdale  
No Location Specified  
 Qty 200

Description  
 Over 10,001 S.F.  
 Approximately: (4) Locations

Item 662-9463-29-01 - ITEM 22: Furnish all materials, labor, and equipment to install plumbing vent flashing, lead sleeve and coupling, installed 4 inch pipe: ITEM 22: Furnish all materials, labor, and equipment to install plumbing vent f  
 Quantity 4 each  
 Unit Price   
 Delivery Location City of Fort Lauderdale  
No Location Specified  
 Qty 4

Description  
 ITEM 22: Furnish all materials, labor, and equipment to install plumbing vent flashing, lead sleeve and coupling, installed 4 inch pipe

Item 662-9463-30-01 - ITEM 23: Furnish all materials, labor, and equipment to install 8 inches high x 16 inches wide metal scupper, (4) sided with integral drip strip and surface reglet flashing: A) 24 Gauge Galvanized Steel

Quantity 4 each

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 4

Description  
A) 24 Gauge Galvanized Steel

Item 662-9463-30-02 - ITEM 23: Furnish all materials, labor, and equipment to install 8 inches high x 16 inches wide metal scupper, (4) sided with integral drip strip and surface reglet flashing: B) 24 Gauge Stainless Steel

Quantity 4 each

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 4

Description  
B) 24 Gauge Stainless Steel

Item 662-9463-31-01 - ITEM 24 A) 24 Gauge Galvanized Steel: Furnish all materials, labor, and equipment to install 6 inches diameter leader. : a) Small Roof Repair Areas

Quantity 25 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 25

Description  
0 S.F. - 500 S.F.  
Approximately: (2) Locations

Item 662-9463-31-02 - ITEM 24 A) 24 Gauge Galvanized Steel: Furnish all materials, labor, and equipment to install 6 inches diameter leader. : b) Medium Roof Repair/Replacement areas

Quantity 90 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 90

Description

501 S.F. - 10,000 S.F.  
 Approximately: (2) Locations

Item 662-9463-31-03 - ITEM 24 A) 24 Gauge Galvanized Steel: Furnish all materials, labor, and equipment to install 6 inches diameter leader. : c) Large Roof Repair/Replacement Areas  
 Quantity 200 linear foot  
 Unit Price   
 Delivery Location City of Fort Lauderdale  
No Location Specified  
 Qty 200

Description  
 Over 10,001 S.F.  
 Approximately: (4) Locations

Item 662-9463-32-01 - ITEM 24 B) 24 Gauge Stainless Steel: Furnish all materials, labor, and equipment to install 6 inches diameter leader: a) Small Roof Repair Areas  
 Quantity 25 linear foot  
 Unit Price   
 Delivery Location City of Fort Lauderdale  
No Location Specified  
 Qty 25

Description  
 0 S.F. - 500 S.F.  
 Approximately: (2) Locations

Item 662-9463-32-02 - ITEM 24 B) 24 Gauge Stainless Steel: Furnish all materials, labor, and equipment to install 6 inches diameter leader: b) Medium Roof Repair/Replacement areas  
 Quantity 90 linear foot  
 Unit Price   
 Delivery Location City of Fort Lauderdale  
No Location Specified  
 Qty 90

Description  
 501 S.F. - 10,000 S.F.  
 Approximately: (2) Locations

Item 662-9463-32-03 - ITEM 24 B) 24 Gauge Stainless Steel: Furnish all materials, labor, and equipment to install 6 inches diameter leader: c) Large Roof Repair/Replacement Areas  
 Quantity 200 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 200

Description  
Over 10,001 S.F.  
Approximately: (4) Locations

Item 662-9463-33-01 - ITEM 24 C) Anodized Aluminum: Furnish all materials, labor, and equipment to install 6 inches diameter leader: a) Small Roof Repair Areas

Quantity 25 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 25

Description  
0 S.F. - 500 S.F.  
Approximately: (2) Locations

Item 662-9463-33-02 - ITEM 24 C) Anodized Aluminum: Furnish all materials, labor, and equipment to install 6 inches diameter leader: b) Medium Roof Repair/Replacement areas

Quantity 90 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 90

Description  
501 S.F. - 10,000 S.F.  
Approximately: (2) Locations

Item 662-9463-33-03 - ITEM 24 C) Anodized Aluminum: Furnish all materials, labor, and equipment to install 6 inches diameter leader: c) Large Roof Repair/Replacement Areas

Quantity 200 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 200

Description  
Over 10,001 S.F.  
Approximately: (4) Locations

---

Item 662-9463-34-01 - ITEM 25 A) 24 Gauge Galvanized Steel: Furnish all materials, labor, and equipment to install continuous 4 inch wide metal gutter system: a) Small Roof Repair Areas

Quantity 25 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 25

Description  
0 S.F. - 500 S.F.  
Approximately: (2) Locations

---

Item 662-9463-34-02 - ITEM 25 A) 24 Gauge Galvanized Steel: Furnish all materials, labor, and equipment to install continuous 4 inch wide metal gutter system: b) Medium Roof Repair/Replacement areas

Quantity 90 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 90

Description  
501 S.F. - 10,000 S.F.  
Approximately: (2) Locations

---

Item 662-9463-34-03 - ITEM 25 A) 24 Gauge Galvanized Steel: Furnish all materials, labor, and equipment to install continuous 4 inch wide metal gutter system: c) Large Roof Repair/Replacement Areas

Quantity 200 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 200

Description  
Over 10,001 S.F.  
Approximately: (4) Locations

---

Item 662-9463-35-01 - ITEM 25 B) 24 Gauge Stainless Steel: Furnish all materials, labor, and equipment to install continuous 4 inch wide metal gutter system: a) Small Roof Repair Areas

Quantity 25 linear foot

Unit Price

Delivery Location City of Fort Lauderdale

No Location Specified

Qty 25

Description  
0 S.F. - 500 S.F.  
Approximately: (2) Locations

Item 662-9463-35-02 - ITEM 25 B) 24 Gauge Stainless Steel: Furnish all materials, labor, and equipment to install continuous 4 inch wide metal gutter system: b) Medium Roof Repair/Replacement areas

Quantity 90 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 90

Description  
501 S.F. - 10,000 S.F.  
Approximately: (2) Locations

Item 662-9463-35-03 - ITEM 25 B) 24 Gauge Stainless Steel: Furnish all materials, labor, and equipment to install continuous 4 inch wide metal gutter system: c) Large Roof Repair/Replacement Areas

Quantity 200 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 200

Description  
Over 10,001 S.F.  
Approximately: (4) Locations

Item 662-9463-36-01 - ITEM 25 C) Anodized Aluminum: Furnish all materials, labor, and equipment to install continuous 4 inch wide metal gutter system: a) Small Roof Repair Areas

Quantity 25 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 25

Description  
0 S.F. - 500 S.F.  
Approximately: (2) Locations

Item 662-9463-36-02 - ITEM 25 C) Anodized Aluminum: Furnish all materials, labor, and equipment to install continuous 4 inch wide metal gutter system: b) Medium Roof Repair/Replacement areas

Quantity 90 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 90

Description  
501 S.F. - 10,000 S.F.  
Approximately: (2) Locations

---

Item 662-9463-36-03 - ITEM 25 C) Anodized Aluminum: Furnish all materials, labor, and equipment to install continuous 4 inch wide metal gutter system: c) Large Roof Repair/Replacement Areas

Quantity 200 linear foot

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 200

Description  
Over 10,001 S.F.  
Approximately: (4) Locations

---

Item 662-9463-37-01 - ITEM 26 A) Supervisor (Labor price should be included in your bid for items indicated): The following time costs are for emergency work only as authorized by the City of Fort Lauderdale : Regular Rate

Quantity 500 hour

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 500

Description  
Approximately: 500 Hours

---

Item 662-9463-37-02 - ITEM 26 A) Supervisor (Labor price should be included in your bid for items indicated): The following time costs are for emergency work only as authorized by the City of Fort Lauderdale : Overtime Rate

Quantity 200 hour

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 200

Description  
Approximately: 200 Hours

---

Item 662-9463-38-01 - ITEM 26 B) Journeyman (Labor price should be included in your bid for items indicated): The following time costs are for emergency work only as authorized by the City of Fort Lauderdale: Regular Rate

Quantity 500 hour

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 500

Description  
Approximately: 500 Hours

---

Item 662-9463-38-02 - ITEM 26 B) Journeyman (Labor price should be included in your bid for items indicated): The following time costs are for emergency work only as authorized by the City of Fort Lauderdale: Overtime Rate

Quantity 200 hour

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 200

Description  
Approximately: 200 Hours

---

Item 662-9463-39-01 - ITEM 26 C) Roofer's Helper (Labor price should be included in your bid for items indicated): The following time costs are for emergency work only as authorized by the City of Fort Lauderdale: Regular Rate

Quantity 500 gross

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 500

Description  
Approximately: 500 Hours

---

Item 662-9463-39-02 - ITEM 26 C) Roofer's Helper (Labor price should be included in your bid for items indicated): The following time costs are for emergency work only as authorized by the City of Fort Lauderdale: Overtime Rate

Quantity 200 gross

Unit Price

Delivery Location City of Fort Lauderdale  
No Location Specified

Qty 200

Description  
Approximately: 200 Hours

Item 662-9463-40-01 - ITEM 27: PERCENT MARKUP  
 Quantity 1 each  
 Percentage   
 Delivery Location City of Fort Lauderdale  
No Location Specified  
 Qty 1

Description

Supplies not listed or included elsewhere MAY be purchased under this contract on a strictly COST-PLUS arrangement only. Documentation of vendor cost must be provided with written (City) estimates. Provide percent markup. City staff estimates approximately \$25,000 worth of this type of material will be required per year.

Item 662-9463-40-02 - ITEM 27: COST PLUS AMOUNT  
 Quantity 1 lump sum  
 Unit Price   
 Delivery Location City of Fort Lauderdale  
No Location Specified  
 Qty 1

Description

Please calculate:  
 \$25,000 x your % markup

Enter the amount in the unit price field.

Supplies not listed or included elsewhere MAY be purchased under this contract on a strictly COST-PLUS arrangement only. Documentation of vendor cost must be provided with written (City) estimates. Provide percent markup. City staff estimates approximately \$25,000 worth of this type of material will be required per year.

Item 662-9463-41-01 - ITEM 28: Crane Rental ALLOWANCE – based upon receipts: ITEM 28: Crane Rental ALLOWANCE – based upon receipts  
 Quantity 1 lump sum  
 Unit Price   
 Delivery Location City of Fort Lauderdale  
No Location Specified  
 Qty 1

Description

Please enter in the ALLOWANCE amount of \$20,000.00 in the unit price field.

**CITY OF FORT LAUDERDALE  
SPECIFICATIONS PACKAGE**

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**PROJECT NO. 16059-A**

**\*\*REBID\*\***

**INVITATION TO BID 662-9463**

**LOW SLOPE RE-ROOFING AND  
REPAIR PROJECTS**



**Public Works Department  
Engineering and Architectural Services Bureau  
100 North Andrews Avenue  
Fort Lauderdale, Florida 33301**

**CHARLES SCHWEICKERT, AIA**

**ARCHITECT**

**Telephone: (954) 828-5938**

**LOW SLOPE RE-ROOFING AND REPAIR PROJECTS REBID**

**PROJECT 16059-A  
INVITATION TO BID 662-9463**

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**LOW SLOPE RE-ROOFING AND REPAIR PROJECTS REBID**

**PROJECT 16059-A  
INVITATION TO BID 662-9463**

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**NOTICE TO CONTRACTORS**

**Sealed bids will be received until 2:00 P.M. on WEDNESDAY, MAY 24, 2006 in the Office of the City Engineer, Public Works Department (Engineering and Architectural Services), City Hall, 100 North Andrews Avenue, 4th Floor, City of Fort Lauderdale, Florida 33301 and opened immediately thereafter in the Conference Room, for PROJECT 16059-A REBID, INVITATION TO BID 662-9463, "LOW SLOPE RE-ROOFING AND REPAIR PROJECTS".**

Bids **MAY** be submitted electronically through RFP Depot, [www.rfpdepot.com](http://www.rfpdepot.com), if desired. Refer to INSTRUCTION TO BIDDERS.

This project consists of the project booklet only.

The work includes low slope re-roofing and repair roof unit prices. The term of this contract award is two (2) years with up to three (3) one (1) year extensions.

Bidding blanks may be obtained at the **Office of the City Engineer**. Plans and specifications are on file in the Office of the City Engineer.

It will be the sole responsibility of the bidder to clearly mark bid as such, and ensure that his bid reaches the City prior to the bid opening date and time listed.

**A certified check, cashier's check, bank officer's check or bid bond for five percent (5%) of the amount bid, made payable to the City of Fort Lauderdale, Florida, shall accompany each bid.**

**A surety Bond, equal to Task Order dollar amount, shall be required for each project over \$50,000.00.**

The City reserves the right to accept or reject any or all bids, part of bids, and to waive minor irregularities or variations to specifications contained in bids, and minor irregularities in the bidding process. The City reserves the right to make an award to the responsive and responsible bidder or bidders whose product or service meets the terms, conditions, and specifications of the bid and whose bid (s) is considered to best serve the City's interest.

Information on bid results and projects currently out to bid can be obtained by calling the pre-recorded City of Fort Lauderdale Bid Information Line at (954) 828-5688. For general inquiries - please call (954) 828-5772.

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CS/rp/P16059-A Rebid/1

## **INSTRUCTIONS TO BIDDERS**

The following instructions are given for the purpose of guiding bidders in properly preparing their bids or proposals. These directions have equal force and weight with the specifications and strict compliance is required with all of these provisions.

**QUALIFICATIONS OF BIDDERS** – No proposal will be accepted from, nor will any contract be awarded to, any person who is in arrears to the CITY OF FORT LAUDERDALE, upon any debt or contract, or who has defaulted, as surety or otherwise, upon any obligation to the City, or who is deemed irresponsible or unreliable by the City Commission of Fort Lauderdale.

**PERSONAL INVESTIGATION** - Bidders shall satisfy themselves by personal investigation, and by such other means as they may think necessary or desirable, as to the conditions affecting the proposed work and the cost. No information derived from maps, plans, specifications, or from the Engineer, City Manager, or their assistants shall relieve the Contractor from any risk or from fulfilling all terms of the contract.

**INCONSISTENCIES** – Any seeming inconsistency between different provisions of the plans, specifications, proposal or contract, or any point requiring explanation must be inquired into by the bidder, in writing, at least ten (10) days prior to the time set for opening proposals. After proposals are opened, the bidders shall abide by the decision of the Engineer as to such interpretation.

**ADDENDA AND INTERPRETATIONS** - No interpretations of the meaning of the plans, specifications or other bid documents will be made orally to any bidder. For information concerning procedures for responding to this bid or for questions relating to the plans and specifications, utilize the question/answer feature provided by RFP Depot. Such contact shall be for clarification purposes only. Material changes, if any, to the scope of services, plans and specifications or bidding procedures will only be provided by written addendum (refer to addendum section of the RFP Depot site). No variation in price or conditions shall be permitted based on a claim of ignorance. Submission of a bid will be considered evidence that the bidder has familiarized itself with the nature and extent of the required work, equipment, materials and labor required. Failure of any bidder to receive any such addenda or interpretation shall not relieve any bidder from any obligation under his bid as submitted. All addenda so issued shall become a part of the bid document. Bidder shall verify that he has received all addenda before submitting a bid.

**LEGAL CONDITIONS** - Bidders are notified to familiarize themselves with the provisions of the laws of the State of Florida relating to hours of labor on municipal work, and with the provisions of the laws of the State of Florida and the Charter and the ordinances of the City of Fort Lauderdale.

**PUBLIC ENTITY CRIMES** - A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not be awarded or perform work as a Contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, Florida Statutes, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.

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Rev. 07/29/02

CS/rp/P16059-A Rebid/2

## INSTRUCTIONS TO BIDDERS (Continued)

FORMS OF PROPOSALS - Each proposal and its accompanying statements must be made on the blanks provided. THE FORMS MUST BE SUBMITTED IN GOOD ORDER AND WITH ALL BLANKS COMPLETED. Submittals may be received electronically on the RFP Depot web site ([www.rfpdepot.com](http://www.rfpdepot.com)) or if the bidder prefers to submit a paper (hard) copy of their bid, the forms must be enclosed in a sealed envelope when submitted to the Office of the City Engineer, Public Works Department (Engineering and Architectural Services), City Hall, 100 North Andrews Avenue, 4th Floor, City of Fort Lauderdale, Florida 33301 and must show the name of the bidder and a statement as to its contents. The proposal must be signed by one duly authorized to do so, and in case signed by a deputy or subordinate, the principal's properly written authority to such deputy or subordinate must accompany the proposal. No proposal will be accepted, for any reason whatsoever, which is not submitted as stated above, within the specified time.

TRANSACTION FEES - THE CITY OF FORT LAUDERDALE WILL USE RFP DEPOT ([www.rfpdepot.com](http://www.rfpdepot.com)) TO DISTRIBUTE AND RECEIVE BIDS AND PROPOSALS. THERE IS NO CHARGE TO VENDORS AND CONTRACTORS TO REGISTER AND PARTICIPATE IN THIS SOLOCITATION PROCESS.

EFFECTIVE NOVEMBER 1, 2005, AWARDED VENDOR(S)/CONTRACTOR(S) WILL BE EXEMPT FROM PAYING THE RFP TRANSACTION FEE.

BID BOND - A certified check, cashier's check or bank officer's check, for the sum set forth in the advertisement, made payable to the City of Fort Lauderdale, Florida, or bid bond in such amount, shall accompany each proposal as evidence of the good faith and responsibility of the bidder. The check or bond shall be retained by the City as liquidated damages should the bidder refuse to or fail to enter into a contract for the execution of the work embraced in this proposal, in the event the proposal of the bidder is accepted. Retention of such amount shall not be construed as a penalty or forfeiture.

The above bond or check shall be a guarantee that the bidder will, if necessary, promptly execute a satisfactory contract and furnish good and sufficient bonds. As soon as a satisfactory contract has been executed and the bonds furnished and accepted, the check or bond accompanying the proposal of the successful bidder will be returned to him. The certified or other checks or bid bonds of the unsuccessful bidders will be returned to them upon the acceptance of the bid of the successful bidder. If the successful bidder shall not enter into, execute, and deliver such a contract and furnish the required bonds within ten (10) days after receiving notice to do so, the certified or other check or bid bond shall immediately become the property of the City of Fort Lauderdale as liquidated damages. Retention of such amount shall not be construed as a penalty or forfeiture.

BIDS FIRM FOR ACCEPTANCE: Bidder warrants, by virtue of bidding, that his bid and the prices quoted in his bid will be firm for acceptance by the City for a period of ninety (90) days from the date of bid opening unless otherwise stated in the ITB.

CAUSES FOR REJECTION - No proposal will be canvassed, considered or accepted which, in the opinion of the City Commission, is informal or unbalanced, or contains inadequate or unreasonable prices for any items; each item must carry its own proportion of the cost as nearly as is practicable. Any alteration, erasure, interlineation, or failure to specify bids for all items called for in the schedule shall render the proposal informal.

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Rev. 07/29/02

CS/rp/P16059-A Rebid/3

## INSTRUCTIONS TO BIDDERS (Continued)

REJECTION OF BIDS - The City reserves the right to reject any bid if the evidence submitted by the bidder, or if the investigation of such bidder, fails to satisfy the City that such bidder is properly qualified to carry out the obligations and to complete the work contemplated. Any or all proposals will be rejected, if there is reason to believe that collusion exists among bidders. A proposal will be considered irregular and may be rejected, if it shows serious omissions, alterations in form, additions not called for, conditions or unauthorized alternates, or irregularities of any kind. The City reserves the right to reject any or all proposals and to waive such technical errors as may be deemed best for the interests of the City.

WITHDRAWALS - Any bidder may, without prejudice to himself, withdraw his proposal at any time prior to the expiration of the time during which proposals may be submitted. Such request for withdrawal must be in writing and signed in the same manner and by the same person who signed the proposal. After expiration of the period for receiving proposals, no proposal can be withdrawn, modified, or explained.

CONTRACT - The bidder to whom award is made shall execute a written contract to do the work and maintain the same in good repair until final acceptance by the proper authorities, and shall furnish good and sufficient bonds as specified within ten (10) days after receiving such contract for execution. If the bidder to whom the first award is made fails to enter into a contract as provided, the award may be annulled and the contract let to the next lowest bidder who is reliable, responsible, and responsive in the opinion of the City Commission, and that bidder shall fulfill every stipulation and obligation as if such bidder were the original party to whom award was made.

The contract shall provide that the Contractor agrees to correct any defective or faulty work or material, which may appear within one (1) year after completion of the work and receipt of final payment.

ENFORCEMENT OF SPECIFICATIONS - Copies of the specifications will be placed in the hands of all the assistants to the Engineer and Inspectors employed on the work, who shall enforce each and every requirement of the contract. Such assistants shall have no authority to vary from such requirements.

COPIES OF PLANS AND SPECIFICATIONS - Copies of the specifications, details, contract and bonds are on file in the Office of the City Engineer, City Hall, 4<sup>th</sup> Floor, 100 N. Andrews Avenue, Fort Lauderdale, Florida 33301.

SURETY BOND - The successful bidder shall furnish a performance and payment bond for **each project over \$50,000**, written by a Corporate Surety company, holding a Certificate of Authority from the Secretary of the Treasury of the United States as acceptable sureties on federal bonds, in an amount equal to the total amount payable by the terms of the contract, executed and issued by a Resident Agent licensed by and having an office in the State of Florida, representing such Corporate Surety, conditioned for the due and faithful performance of the work, and providing in addition to all other conditions, that if the Contractor, or his or its subcontractors, fail to duly pay for any labor, materials, or other supplies used or consumed by such Contractor, or his or its subcontractor or subcontractors, in performance of the work contracted to be done, the Surety will pay the same in the amount not exceeding the sum provided in such bonds, together with interest at the rate of 15% per annum, and that they shall indemnify and save harmless the City of Fort Lauderdale to the extent of any and all payments in connection with carrying out of the contract, which the City may be required to make under the law.

IB-3

Rev. 07/29/02

CS/rp/P16059-A Rebid/4

## INSTRUCTIONS TO BIDDERS (Continued)

The Contractor is required at all times to have a valid surety bond in force covering the work being performed. A failure to have such bond in force at any time shall constitute a default on the part of the Contractor. A bond written by a surety, which becomes disqualified to do business in the State of Florida, shall automatically constitute a failure on the part of the Contractor to meet the above requirements.

Such bond shall continue in effect for one (1) year after completion and acceptance of the work with liability equal to at least 25% of contract price, or an additional bond shall be conditioned that the Contractor will correct any defective or faulty work or material which appear within one (1) year after completion of the contract, upon notification by the City, except in contracts which are concerned solely with demolition work, in which cases 25% liability will not be applicable.

SPECIFICATIONS - The specifications referred to in this project or improvement are CONSTRUCTION STANDARDS AND SPECIFICATIONS, Office of the City Engineer, City of Fort Lauderdale, January, 1982, including any revision, and/or ARCHITECTURAL CONSTRUCTION SPECIFICATIONS, Office of the City Engineer, City of Fort Lauderdale, January, 1982, including any revisions.

The above-referenced specifications are made a part of all projects or improvements let for bid by the City's Public Works Department (Engineering and Architectural Services). It is mandatory that prospective bidders and Contractors familiarize themselves with and comply with the CONSTRUCTION STANDARDS AND SPECIFICATIONS, Office of the City Engineer, City of Fort Lauderdale, January, 1982, including any revision, and/or ARCHITECTURAL CONSTRUCTION SPECIFICATIONS, Office of the City Engineer, City of Fort Lauderdale, January, 1982, including any revisions, when preparing their proposals and during construction of any work awarded.

AUDIT OF CONTRACTOR'S RECORDS - Upon execution of the Contract, the City reserves the right to conduct any necessary audit of the Contractor's records. Such an audit, or audits, may be conducted by the City or its representatives at any time prior to final payment, or thereafter, for a period up to three (3) years. The City may also require submittal of the records from either the Contractor, the Subcontractor, or both. For the purpose of this Section, records shall include all books of account, supporting documents and papers deemed necessary by the City to assure compliance with the contract provisions.

Failure of the Contractor or Subcontractor to comply with these requirements may result in disqualification or suspension from bidding for future contracts or disapproval as a Subcontractor at the option of the City. The Contractor shall assure that each of its Subcontractors will provide access to its records pertaining to the project upon request by the City.

PERIODIC ESTIMATE FOR PARTIAL PAYMENT - After the Contractor has submitted a periodic estimate for partial payment, approved and certified by the Office of the City Engineer, the City shall make payment in the manner provided in the Contract Documents and in accordance with Florida's Prompt Payment Act, Section 218, Florida Statutes.

LICENSES - The bidder shall possess one of the following licenses at the time of bid submittal. Any certificate of competency that meets or exceeds those specified is acceptable: State **CERTIFIED ROOFING CONTRACTOR** or Broward County **ROOFING CLASS "R" CONTRACTOR**.

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Rev. 07/29/02

CS/rp/P16059-A Rebid/5

**SUPPLEMENTAL BID INSTRUCTIONS**

**NOTE:** The following pages must be completely filled out and included as a part of each sealed bid proposal:

PROPOSAL PAGES.....P-1 – P-1(m)  
PROPOSAL PAGES..... P-2 – P3

QUESTIONNAIRE SHEET .....P-4  
QUESTIONNAIRE SHEET .....P-5

MBE/WBE ELIGIBILITY FORM..... MBE-1

MBE/WBE CONTRACTOR INFORMATION ..... MBE-2

INSPECTION OVERTIME COSTS.....OTC-1

**FAILURE TO SUBMIT THE ABOVE  
MAY RESULT IN YOUR BID BEING REJECTED,  
AT THE SOLE DISCRETION OF THE CITY, AS NON-RESPONSIVE.**

SBI-1

**PROPOSAL  
PROJECT 16059-A  
INVITATION TO BID 662-9463  
LOW SLOPE RE-ROOFING AND REPAIR PROJECTS**

TO THE COMMISSION OF THE CITY OF  
FORT LAUDERDALE, FLORIDA

Gentlemen:

The undersigned bidder proposes to furnish all labor, tools, material and supplies, and to sustain all the expense incurred in doing the work set forth below that may be awarded the undersigned by the City of Fort Lauderdale, Florida, through its proper officers, and to do the same strictly in accordance with the plans and contract documents on file in the Office of the City Engineer of Fort Lauderdale, which are referred to below and made a part hereof, at the following unit prices, to-wit:

The following unit prices are associated with roofing, re-roofing and roof repair components. The City may choose different contractors for various complete low slope re-roofing or roofing repair projects. To be considered for these projects, please be comprehensive in filling out the items involved below. All items are based on a complete 4-ply SBS modified bitumen system (granular cap sheet). All installations shall meet all State of Florida requirements and Miami-Dade Notice of Acceptance (NOA) for high velocity. Please also refer to the typical Detail Drawings sections of this package.

Three (3) levels of work scope are indicated for most of the Proposal items. Small repair jobs from 0 to 500 square feet (S.F.), medium size roofing jobs 501 to 10,000 S.F., and large roofing jobs over 10,001 S.F. An approximate quantity is also provided and the "unit price" and total blanks to be completed by Bidder. All proposal line items shall include maintenance, insurance, overhead, and other fixed costs.

Please complete the following:

Base bid shall include:

**ROOF MANUFACTURER'S NAME:** \_\_\_\_\_

**ROOF BRAND NAME:** \_\_\_\_\_

**INSULATION MANUFACTURER'S NAME:** \_\_\_\_\_

**INSULATION NAME:** \_\_\_\_\_

**ROOFING SYSTEM WARRANTY & PERIOD:** \_\_\_\_\_

**PROPOSAL (Continued)**

**PROJECT 16059-A**  
**INVITATION TO BID 662-9463**

**ITEM 1:**

- A) Prior to any other work at the site, remove the asbestos containing material using licensed asbestos abatement Contractor in accordance with the asbestos test laboratory survey report recommendations.

ALLOWANCE                    \$ 25,000.00  
TOTAL

- B) Provide an ALLOWANCE for additional areas not contained in the ACM report. Payment shall be based on actual receipts.

ALLOWANCE                    \$ 20,000.00  
TOTAL

**ITEM 2:** Furnish all materials, labor, and equipment for existing roof tear-off, including existing insulation board, down to substrate. This item also includes all disposal costs.

- a) Small Roof Repair Areas:

**0 S.F. - 500 S.F.**

Approximately: (2) Locations = 450 S.F @ \$ \_\_\_\_\_ /S.F. = \$ \_\_\_\_\_  
TOTAL

- b) Medium Roof Repair/Replacement areas.

**501 S.F. - 10,000 S.F.**

Approximately: (2) Locations = 8,800 S.F @ \$ \_\_\_\_\_ /S.F. = \$ \_\_\_\_\_  
TOTAL

- c) Large Roof Repair/Replacement Areas:

**Over 10,001 S.F.**

Approximately: (4) Locations = 46,200 S.F @ \$ \_\_\_\_\_ /S.F. = \$ \_\_\_\_\_  
TOTAL

**ITEM 3:** Furnish all materials, labor, and equipment to install approved iso-therm or polyisocyanurate rigid insulation board tapered, based on 1½ inches thickness, fully attached to substrate.

- A) **Mopped in:**

- a) Small Roof Repair Areas:

**0 S.F. - 500 S.F.**

Approximately: (2) Locations = 450 S.F @ \$ \_\_\_\_\_ /S.F. = \$ \_\_\_\_\_  
TOTAL

- b) Medium Roof Repair/Replacement areas.

**501 S.F. - 10,000 S.F.**

Approximately: (2) Locations = 8,800 S.F @ \$ \_\_\_\_\_ /S.F. = \$ \_\_\_\_\_  
TOTAL

- c) Large Roof Repair/Replacement Areas:

**Over 10,001 S.F.**

Approximately: (4) Locations = 46,200 S.F @ \$ \_\_\_\_\_ /S.F. = \$ \_\_\_\_\_  
TOTAL

**PROPOSAL (Continued)**  
Item 3 Continued

**PROJECT 16059-A**  
**INVITATION TO BID 662-9463**

B) **Mechanically attached:**

- a) Small Roof Repair Areas:  
**0 S.F. - 500 S.F.**  
*Approximately: (2) Locations = 450 S.F @ \$ \_\_\_\_\_ /S.F. = \$ \_\_\_\_\_*  
TOTAL
- b) Medium Roof Repair/Replacement areas.  
**501 S.F. - 10,000 S.F.**  
*Approximately: (2) Locations = 8,800 S.F @ \$ \_\_\_\_\_ /S.F. = \$ \_\_\_\_\_*  
TOTAL
- c) Large Roof Repair/Replacement Areas:  
**Over 10,001 S.F.**  
*Approximately: (4) Locations = 46,200 S.F @ \$ \_\_\_\_\_ /S.F. = \$ \_\_\_\_\_*  
TOTAL

**ITEM 4:** Furnish all materials, labor, and equipment to install 4 ply modified bitumen system, with 2-ply base flashing, anchor sheet, with vent sheet, without insulation.

- a) Small Roof Repair Areas:  
**0 S.F. - 500 S.F..**  
*Approximately: (2) Locations = 450 S.F @ \$ \_\_\_\_\_ /S.F. = \$ \_\_\_\_\_*  
TOTAL
- b) Medium Roof Repair/Replacement areas.  
**501 S.F. - 10,000 S.F.**  
*Approximately: (2) Locations = 8,800 S.F @ \$ \_\_\_\_\_ /S.F. = \$ \_\_\_\_\_*  
TOTAL
- c) Large Roof Repair/Replacement Areas:  
**Over 10,001 S.F.**  
*Approximately: (4) Locations = 46,200 S.F @ \$ \_\_\_\_\_ /S.F. = \$ \_\_\_\_\_*  
TOTAL

**ITEM 5:** Furnish all materials, labor, and equipment to install 4 ply modified bitumen system, with 2-ply base flashing, anchor sheet, without vent sheet (uninsulated applications).

A) **Mopped in:**

- a) Small Roof Repair Areas:  
**0 S.F. - 500 S.F.**  
*Approximately: (2) Locations = 450 S.F @ \$ \_\_\_\_\_ /S.F. = \$ \_\_\_\_\_*  
TOTAL
- b) Medium Roof Repair/Replacement areas.  
**501 S.F. - 10,000 S.F.**  
*Approximately: (2) Locations = 8,800 S.F @ \$ \_\_\_\_\_ /S.F. = \$ \_\_\_\_\_*  
TOTAL
- c) Large Roof Repair/Replacement Areas:  
**Over 10,001 S.F.**  
*Approximately: (4) Locations = 46,200 S.F @ \$ \_\_\_\_\_ /S.F. = \$ \_\_\_\_\_*  
TOTAL

P-1(b)

**PROPOSAL (Continued)**  
Item 5 Continued

**PROJECT 16059-A**  
**INVITATION TO BID 662-9463**

B) **Mechanically attached:**

a) Small Roof Repair Areas:

**0 S.F. - 500 S.F.**

Approximately: (2) Locations = 450 S.F @ \$ \_\_\_\_\_ /S.F. = \$ \_\_\_\_\_  
TOTAL

b) Medium Roof Repair/Replacement areas.

**501 S.F. - 10,000 S.F.**

Approximately: (2) Locations = 8,800 S.F @ \$ \_\_\_\_\_ /S.F. = \$ \_\_\_\_\_  
TOTAL

c) Large Roof Repair/Replacement Areas:

**Over 10,001 S.F.**

Approximately: (4) Locations = 46,200 S.F @ \$ \_\_\_\_\_ /S.F. = \$ \_\_\_\_\_  
TOTAL

**ITEM 6:** Furnish all materials, labor, and equipment to install approved cants, 1½ inches thickness by 3½ inches wide.

a) Small Roof Repair Areas:

**0 S.F. - 500 S.F.**

Approximately: (2) Locations = 25 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

b) Medium Roof Repair/Replacement areas.

**501 S.F. - 10,000 S.F.L**

Approximately: (2) Locations = 90 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

c) Large Roof Repair/Replacement Areas:

**Over 10,001 S.F. L**

Approximately: (4) Locations = 200 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

**ITEM 7:** Furnish all materials, labor, and equipment to install flexible, non-metallic flashings, 18 inches wide.

a) Small Roof Repair Areas:

**0 S.F. - 500 S.F.**

Approximately: (2) Locations = 25 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

b) Medium Roof Repair/Replacement areas.

**501 S.F. - 10,000 S.F.**

Approximately: (2) Locations = 90 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

c) Large Roof Repair/Replacement Areas:

**Over 10,001 S.F.**

Approximately: (4) Locations = 200 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

**PROPOSAL (Continued)**

**PROJECT 16059-A**  
**INVITATION TO BID 662-9463**

**ITEM 8:** Furnish all materials, labor, and equipment to install built-up roof repair/replacement, including pea gravel protection.

a) Small Roof Repair Areas:

**0 S.F. - 500 S.F.**

Approximately: (1) Location = 450 S.F @ \$ \_\_\_\_\_ /S.F. = \$ \_\_\_\_\_  
 TOTAL

b) Medium Roof Repair/Replacement areas.

**501 S.F. - 15,000 S.F.**

Approximately: (2) Locations = 12,000 S.F @ \$ \_\_\_\_\_ /S.F. = \$ \_\_\_\_\_  
 TOTAL

**ITEM 9:** Furnish all materials, labor, and equipment to install built-up roof pea gravel.

a) Small Roof Repair Areas:

**0 S.F. - 500 S.F.**

Approximately: (1) Location = 450 S.F @ \$ \_\_\_\_\_ /S.F. = \$ \_\_\_\_\_  
 TOTAL

b) Medium Roof Repair/Replacement areas.

**501 S.F. - 15,000 S.F.**

Approximately: (2) Locations = 12,000 S.F @ \$ \_\_\_\_\_ /S.F. = \$ \_\_\_\_\_  
 TOTAL

**ITEM 10:** Furnish all materials, labor, and equipment to install wall sheet metal flashing, 24 gauge stainless steel, 8 inches wide.

a) Small Roof Repair Areas:

**0 S.F. - 500 S.F.**

Approximately: (2) Locations = 25 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
 TOTAL

b) Medium Roof Repair/Replacement areas.

**501 S.F. - 10,000 S.F.**

Approximately: (2) Locations = 90 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
 TOTAL

c) Large Roof Repair/Replacement Areas:

**Over 10,001 S.F.**

Approximately: (4) Locations = 200 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
 TOTAL

**PROPOSAL (Continued)**

**PROJECT 16059-A**  
**INVITATION TO BID 662-9463**

**ITEM 11:** Furnish all materials, labor, and equipment to install continuous 4-inches metal drip edge.

A) **24 Gauge Galvanized Steel**

a) Small Roof Repair Areas:  
**0 S.F. - 500 S.F.**

Approximately: (2) Locations = 25 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

b) Medium Roof Repair/Replacement areas.  
**501 S.F. - 10,000 S.F.**

Approximately: (2) Locations = 90 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

c) Large Roof Repair/Replacement Areas:  
**Over 10,001 S.F.**

Approximately: (4) Locations = 200 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

B) **24 Gauge Stainless Steel**

a) Small Roof Repair Areas:  
**0 S.F. - 500 S.F.**

Approximately: (2) Locations = 25 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

b) Medium Roof Repair/Replacement areas.  
**501 S.F. - 10,000 S.F.**

Approximately: (2) Locations = 90 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

c) Large Roof Repair/Replacement Areas:  
**Over 10,001 S.F.**

Approximately: (4) Locations = 200 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

C) **Copper**

a) Small Roof Repair Areas:  
**0 S.F. - 500 S.F.**

Approximately: (2) Locations = 25 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

b) Medium Roof Repair/Replacement areas.  
**501 S.F. - 10,000 S.F.**

Approximately: (2) Locations = 90 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

c) Large Roof Repair/Replacement Areas:  
**Over 10,001 S.F.**

Approximately: (4) Locations = 200 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

**PROPOSAL (Continued)**  
**Item 11 Continued**

**PROJECT 16059-A**  
**INVITATION TO BID 662-9463**

D) **Aluminum**

a) Small Roof Repair Areas:

**0 S.F. - 500 S.F.**

Approximately: (2) Locations = 25 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

b) Medium Roof Repair/Replacement areas.

**501 S.F. - 10,000 S.F.**

Approximately: (2) Locations = 90 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

c) Large Roof Repair/Replacement Areas:

**Over 10,001 S.F.**

Approximately: (4) Locations = 200 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

**ITEM 12:** Furnish all materials, labor, and equipment to install wall counter flashing 24 gauge stainless steel, surface mounted with springlock reglet and 24 gauge stainless steel flashing, 6-inches vertical.

a) Small Roof Repair Areas:

**0 S.F. - 500 S.F.**

Approximately: (2) Locations = 25 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

b) Medium Roof Repair/Replacement areas.

**501 S.F. - 10,000 S.F.**

Approximately: (2) Locations = 90 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

c) Large Roof Repair/Replacement Areas:

**Over 10,001 S.F.**

Approximately: (4) Locations = 200 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

**ITEM 13:** Furnish all materials, labor, and equipment to install metal coping cap, snap-lok system, 8-inches wide.

A) **24 Gauge Galvanized Steel**

a) Small Roof Repair Areas:

**0 S.F. - 500 S.F.**

Approximately: (2) Locations = 25 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

b) Medium Roof Repair/Replacement areas.

**501 S.F. - 10,000 S.F.**

Approximately: (2) Locations = 90 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

c) Large Roof Repair/Replacement Areas:

**Over 10,001 S.F.**

Approximately: (4) Locations = 200 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

**PROPOSAL (Continued)**  
**Item 13 Continued**

**PROJECT 16059-A**  
**INVITATION TO BID 662-9463**

**B) 24 Gauge Stainless Steel**

a) Small Roof Repair Areas:

**0 S.F. - 500 S.F.**

Approximately: (2) Locations = 25 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

b) Medium Roof Repair/Replacement areas.

**501 S.F. - 10,000 S.F.**

Approximately: (2) Locations = 90 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

c) Large Roof Repair/Replacement Areas:

**Over 10,001 S.F.**

Approximately: (4) Locations = 200 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

**C) Aluminum with kynar finish**

a) Small Roof Repair Areas:

**0 S.F. - 500 S.F.**

Approximately: (2) Locations = 25 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

b) Medium Roof Repair/Replacement areas.

**501 S.F. - 10,000 S.F.**

Approximately: (2) Locations = 90 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

c) Large Roof Repair/Replacement Areas:

**Over 10,001 S.F.**

Approximately: (4) Locations = 200 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

**ITEM 14:** Furnish all materials, labor, and equipment to install pipe mounting pedestals (4), with equipment rail (3 feet x 3 feet), and flashing, 18 inches high.

Approximately : (4) @ \$ \_\_\_\_\_ /EACH = \$ \_\_\_\_\_  
TOTAL

**ITEM 15:** Furnish all materials, labor, and equipment to install pitch pocket, for 6-inch diameter vertical element.

Approximately : (4) @ \$ \_\_\_\_\_ /EACH = \$ \_\_\_\_\_  
TOTAL

**ITEM 16:** Furnish all materials, labor, and equipment to install pipe or duct mounting roof pedestal, 18 gauge galvanized steel complete with flashing, 12-inches high.

Approximately : (4) @ \$ \_\_\_\_\_ /EACH = \$ \_\_\_\_\_  
TOTAL

**PROPOSAL (Continued)**

**PROJECT 16059-A**  
**INVITATION TO BID 662-9463**

**ITEM 17:** Furnish all materials, labor, and equipment to install roof penetration flashings, stainless steel 26 GA., with sealant cover, for vertical 6 inch diameter element, 9 inches high, umbrella type.

Approximately : (4) @ \$ \_\_\_\_\_ /EACH = \$ \_\_\_\_\_  
TOTAL

**ITEM 18:** Furnish all materials, labor, and equipment to install 12 inches high, 3 feet wide x 3 feet long, roof equipment support curbs, 1½ inches thick 3 lbs., rigid insulation, 18 GA., Galvanized steel shell, base plate and fully mitered 3 inches cant.

Approximately : (4) @ \$ \_\_\_\_\_ /EACH = \$ \_\_\_\_\_  
TOTAL

**ITEM 19:** Furnish all materials, labor, and equipment to install rubber boot flashings for vertical round penetrations, typically vent stacks, 4-6 inches diameter, 8 inches high, complete with stainless steel clamps.

Approximately : (4) @ \$ \_\_\_\_\_ /EACH = \$ \_\_\_\_\_  
TOTAL

**ITEM 20:** Furnish all materials, labor, and equipment to install 6 inches roof drain, standard dura-coated cast iron, steel inserts with strainer, and clamps (by Zurin, or approved equal).

Approximately : (4) @ \$ \_\_\_\_\_ /EACH = \$ \_\_\_\_\_  
TOTAL

**ITEM 21:** Furnish all materials, labor, and equipment to install expansion joint cover, without blocking.

a) Small Roof Repair Areas:

**0 S.F. - 500 S.F.**

Approximately: (2) Locations = 25 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

b) Medium Roof Repair/Replacement areas.

**501 S.F. - 10,000 S.F.**

Approximately: (2) Locations = 90 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

c) Large Roof Repair/Replacement Areas:

**Over 10,001 S.F.**

Approximately: (4) Locations = 200 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

**PROPOSAL (Continued)**

**PROJECT 16059-A**  
**INVITATION TO BID 662-9463**

**ITEM 22:** Furnish all materials, labor, and equipment to install plumbing vent flashing, lead sleeve and coupling, installed 4 inch pipe.

Approximately : (4) @ \$ \_\_\_\_\_ /EACH = \$ \_\_\_\_\_  
TOTAL

**ITEM 23:** Furnish all materials, labor, and equipment to install 8 inches high x 16 inches wide metal scupper, (4) sided with integral drip strip and surface reglet flashing.

A) **24 Gauge Galvanized Steel**

Approximately : (4) @ \$ \_\_\_\_\_ /EACH = \$ \_\_\_\_\_  
TOTAL

B) **24 Gauge Stainless Steel**

Approximately : (4) @ \$ \_\_\_\_\_ /EACH = \$ \_\_\_\_\_  
TOTAL

**ITEM 24:** Furnish all materials, labor, and equipment to install 6 inches diameter leader.

A) **24 Gauge Galvanized Steel**

a) Small Roof Repair Areas:  
**0 S.F. - 500 S.F.**

Approximately: (2) Locations = 25 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

b) Medium Roof Repair/Replacement areas.

**501 S.F. - 10,000 S.F.**

Approximately: (2) Locations = 90 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

c) Large Roof Repair/Replacement Areas:

**Over 10,001 S.F.**

Approximately: (4) Locations = 200 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

B) **24 Gauge Stainless Steel**

a) Small Roof Repair Areas:  
**0 S.F. - 500 S.F.**

Approximately: (2) Locations = 25 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

b) Medium Roof Repair/Replacement areas.

**501 S.F. - 10,000 S.F.**

Approximately: (2) Locations = 90 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

c) Large Roof Repair/Replacement Areas:

**Over 10,001 S.F.**

Approximately: (4) Locations = 200 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

P-1(i)

**PROPOSAL (Continued)**  
(Item 24 Continued)

**PROJECT 16059-A**  
**INVITATION TO BID 662-9463**

C) **Anodized Aluminum**

a) Small Roof Repair Areas:

**0 S.F. - 500 S.F.**

Approximately: (2) Locations = 25 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

b) Medium Roof Repair/Replacement areas.

**501 S.F. - 10,000 S.F.**

Approximately: (2) Locations = 90 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

c) Large Roof Repair/Replacement Areas:

**Over 10,001 S.F.**

Approximately: (4) Locations = 200 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

**ITEM 25:** Furnish all materials, labor, and equipment to install continuous 4 inch wide metal gutter system.

A) **24 Gauge Galvanized Steel**

a) Small Roof Repair Areas:

**0 S.F. - 500 S.F.**

Approximately: (2) Locations = 25 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

b) Medium Roof Repair/Replacement areas.

**501 S.F. - 10,000 S.F.**

Approximately: (2) Locations = 90 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

c) Large Roof Repair/Replacement Areas:

**Over 10,001 S.F.**

Approximately: (4) Locations = 200 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

B) **24 Gauge Stainless Steel**

a) Small Roof Repair Areas:

**0 S.F. - 500 S.F.**

Approximately: (2) Locations = 25 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

b) Medium Roof Repair/Replacement areas.

**501 S.F. - 10,000 S.F.**

Approximately: (2) Locations = 90 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

c) Large Roof Repair/Replacement Areas:

**Over 10,001 S.F.**

Approximately: (4) Locations = 200 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

**PROPOSAL (Continued)**  
(Item 25 Continued)

**PROJECT 16059-A**  
**INVITATION TO BID 662-9463**

C) **Anodized Aluminum**

a) Small Roof Repair Areas:

**0 S.F. - 500 S.F.**

Approximately: (2) Locations = 25 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

b) Medium Roof Repair/Replacement areas.

**501 S.F. - 10,000 S.F.**

Approximately: (2) Locations = 90 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

c) Large Roof Repair/Replacement Areas:

**Over 10,001 S.F.**

Approximately: (4) Locations = 200 L.F @ \$ \_\_\_\_\_ /L.F. = \$ \_\_\_\_\_  
TOTAL

**ITEM 26:** The following time costs are for emergency work only as authorized by the City of Fort Lauderdale:

A) Supervisor (Labor price should be included in your bid for items indicated)

**Regular Rate**

Approximately: 500 Hours @ \$ \_\_\_\_\_ /HOUR = \$ \_\_\_\_\_  
TOTAL

**Overtime Rate**

Approximately: 200 Hours @ \$ \_\_\_\_\_ /HOUR = \$ \_\_\_\_\_  
TOTAL

B) Journeyman (Labor price should be included in your bid for items indicated)

**Regular Rate**

Approximately: 500 Hours @ \$ \_\_\_\_\_ /HOUR = \$ \_\_\_\_\_  
TOTAL

**Overtime Rate**

Approximately: 200 Hours @ \$ \_\_\_\_\_ /HOUR = \$ \_\_\_\_\_  
TOTAL

C) Rofer's Helper (Labor price should be included in your bid for items indicated)

**Regular Rate**

Approximately: 500 Hours @ \$ \_\_\_\_\_ /HOUR = \$ \_\_\_\_\_  
TOTAL

**Overtime Rate**

Approximately: 200 Hours @ \$ \_\_\_\_\_ /HOUR = \$ \_\_\_\_\_  
TOTAL

**PROPOSAL (Continued)**

**PROJECT 16059-A**  
**INVITATION TO BID 662-9463**

**ITEM 27:** Supplies not listed or included elsewhere MAY be purchased under this contract on a strictly COST-PLUS arrangement only. Documentation of vendor cost must be provided with written (City) estimates. Provide percent markup. City staff estimates approximately \$25,000 worth of this type of material will be required per year.

$$\$25,000 \times \% \underline{\hspace{2cm}} = \$ \underline{\hspace{2cm}}$$

TOTAL

**ITEM 28:** Crane Rental ALLOWANCE – based upon receipts.

ALLOWANCE	\$ <u>20,000.00</u>
	TOTAL

<b>TOTAL BID:</b>	\$ <u>                    </u>
(Items 1 through 26)	(FIGURES)

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(TOTAL WRITTEN DOLLAR AMOUNT)

The above quantities are based on a portion of the total quantities of the listed items contained in the projects. There is no guarantee that the successful Bidder (s) will be authorized for the full amount of this Bid. The successful Bidder (s) will be issued a Work Order (s) with specific quantities with the value of the Work Order determined by the unit prices contained in this Proposal.

The Bid shall remain valid for a period of 90 days from the date of bid opening. Selection shall be based on the Bid amount, which is approximately 25% of the total anticipated work. The unit prices of the successful Bidder will remain in effect for the term of the contract as stated on the Notice to Contractors page (NTC-1), as well as agreed to contract extension, and will form the basis for Work Orders costs.

The City reserves the right to accept or reject any or all bids, part of bids, and to waive minor irregularities or variations to specifications contained in bids, and minor irregularities in the bidding process. The City reserves the right to make an award to the responsive and responsible bidder or bidders whose product or service meets the terms, conditions, and specifications of the bid and whose bid (s) is considered to best serve the City's interest.

Permit fee will be reimbursed to the Contractor. For payment purposes, receipt must accompany invoice to the City.

**PROPOSAL (Continued)**

**PROJECT 16059-A**  
**INVITATION TO BID 662-9463**

The work described below includes all the necessary removal of materials attendant upon the construction of the work complete in place, and the disposal of all excess material and the final cleaning up of the work.

State the true, exact, correct and complete name of the partnership, corporation, or trade name under which you do business, and the address of the place of business (Post Office Box is inappropriate). IF A CORPORATION, state the name of the President, Secretary and Resident Agent. IF A PARTNERSHIP, state the names of all partners. IF A TRADE NAME, state the names of the individuals who do business under the trade name. If the firm is a foreign corporation (i.e., non-Florida), it must be authorized to do business in the State of Florida by the Florida Secretary of State. PLEASE PRINT OR TYPE.

Firm Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

(Name) (Title)

(Name) (Title)

(Name) (Title)

(Attach additional sheets, if necessary).

The undersigned bidder acknowledges that he may be required to furnish additional information as deemed necessary by the Office of the City Engineer, Public Works Department (Engineering and Architectural Services), to update their records should he be awarded the work described below.

The undersigned bidder affirms that he has or will obtain all equipment necessary to complete the work described, that he has or will obtain all required permits and licenses from the appropriate agencies, and that his firm is authorized to do business in the State of Florida.

The undersigned bidder has not divulged to, discussed, or compared this bid with other bidders, and has not colluded with any other bidder or parties to a bid whatsoever. Further, the undersigned guarantees the truth and accuracy of all statements and answers contained in this proposal.

**PROPOSAL (Continued)**

**PROJECT 16059-A**  
**INVITATION TO BID 662-9463**

The undersigned bidder proposes to begin work within the time specified in the General Conditions after notice has been given by the City Engineer and to complete the work within N/A working days from the date of such notice.

The undersigned acknowledges receipt of the Addenda listed below (if applicable) and further acknowledges that the provisions of each Addendum have been included in the preparation for this Bid.

<u>Addendum No.</u>	<u>Date Received</u>	<u>Addendum No.</u>	<u>Date Received</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

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

FOR: \_\_\_\_\_

\_\_\_\_\_  
(Witness - Print or Type Name)

BY: \_\_\_\_\_  
(Signature) (Seal)

\_\_\_\_\_  
(Witness - Print or type Name)

TITLE: President ( ) Vice-President ( )

**QUESTIONNAIRE SHEET**

**INVITATION TO BID 662-9463**

**PLEASE PRINT OR TYPE:**

Firm Name: \_\_\_\_\_

President: \_\_\_\_\_

Business Address: \_\_\_\_\_

Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

What was the last project of this nature which you completed?  
\_\_\_\_\_  
\_\_\_\_\_

The following are named as three corporations and representatives from those corporations for which you have performed work and which the City may contact as your references (include addresses and telephone numbers):  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

The following is given as a summary of the Financial Statement of the firm. List assets and liabilities; supplement by attaching copy of Financial Statement.  
\_\_\_\_\_  
\_\_\_\_\_

How many years has your organization been in business? \_\_\_\_\_

Have you ever failed to complete work awarded to you; if so, where and why?  
\_\_\_\_\_  
\_\_\_\_\_

The name of the qualifying agent for the firm and his position is:  
\_\_\_\_\_

Certificate of Competency Number of Qualifying Agent: \_\_\_\_\_

Effective Date: \_\_\_\_\_ Expiration Date: \_\_\_\_\_

Licensed in: \_\_\_\_\_  
(County/State)

Contractor's License # \_\_\_\_\_

Expiration Date: \_\_\_\_\_

**NOTE: A State of Florida CERTIFIED ROOFING CONTRACTOR license OR a Broward County ROOFING CLASS "R" Contractor license is required. Any Certificate of Competency that meets or exceeds those specified is acceptable. Contractor must have proper license prior to submitting bid.**

**QUESTIONNAIRE SHEET**

**INVITATION TO BID 662-9463**

1. You shall personally inspect the proposed work and have a complete plan for its performance. Should you have comments, please state below.

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2. Will you sublet any part of this work? If so, list the portions or specialties of the work that you will.

a) 

---

b) 

---

c) 

---

d) 

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e) 

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f) 

---

g) 

---

3. What equipment do you own that is available for the work?

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4. What equipment will you purchase for the proposed work?

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5. What equipment will you rent for the proposed work?

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**INVITATION TO BID 662-9463**

**CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
(ENGINEERING AND ARCHITECTURAL SERVICES)**

**MINORITY BUSINESS ENTERPRISE (MBE) - WOMEN BUSINESS ENTERPRISE (WBE)  
PRIME CONTRACTOR IDENTIFICATION FORM**

In order to assist us in identifying the status of those companies doing business with the City of Fort Lauderdale, this form must be completed and returned with your bid package.

Name of Firm: \_\_\_\_\_

Address of Firm: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

Name of Person Completing Form: \_\_\_\_\_

Title: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

City Project Number: \_\_\_\_\_

Project Description: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Please check the item(s) which properly identify the status of your firm:

Our firm is not a MBE or WBE.

Our firm is a MBE, as at least 51 percent is owned and operated by one or more socially and economically disadvantaged individuals.

\_\_\_\_\_ American Indian \_\_\_\_\_ Asian \_\_\_\_\_ Black \_\_\_\_\_ Hispanic

Our firm is a WBE, as at least 51 percent is owned and operated by one or more women.

\_\_\_\_\_ American Indian \_\_\_\_\_ Asian \_\_\_\_\_ Black \_\_\_\_\_ Hispanic \_\_\_\_\_ White

MBE-1

Rev.12/12/95

CS/rp/P16059-A Rebid/24

**INVITATION TO BID 662-9463****MBE/WBE CONTRACTOR INFORMATION**

The City, in a continuing effort, is encouraging the increased participation of minority and women-owned businesses in Public Works Department (Engineering and Architectural Services) related contracts. Along those lines, we are requiring that each firm provide documentation detailing their own programs for utilizing minority and women-owned businesses.

Your firm should submit this information as a part of this bid package and refer to the checklist, to ensure that all areas of concern are covered. The low responsive bidder will be contacted to schedule a meeting to discuss these objectives. It is our intention to proceed as quickly as possible with this project, so your cooperation in this matter is appreciated.

**CONTRACTOR CHECKLIST**

\_\_\_\_\_ List Previous City Contracts

\_\_\_\_\_ Number of Employees in your firm  
 --Percent (%) Women  
 --Percent (%) Minorities  
 --Job Classifications of Women and Minorities

\_\_\_\_\_ Use of minority and/or women subcontractors on past projects.

\_\_\_\_\_ Nature of the work subcontracted to minority and/or women-owned firms.

\_\_\_\_\_ How are subcontractors notified of available opportunities with your firm?

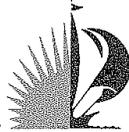
\_\_\_\_\_ Anticipated amount to be subcontracted on this project.

\_\_\_\_\_ Anticipated amount to be subcontracted to minority and/or women-owned businesses on this project.

MBE-2

Rev.12/12/95

CS/rp/P16059-A Rebid/25

CITY OF  
FORT LAUDERDALE*Venice of America*

September 6, 2002

**INSPECTION OVERTIME COSTS**

Ladies and/or Gentlemen:

Provisions of the CONSTRUCTION STANDARDS AND SPECIFICATIONS, under paragraphs 5-99 and 5-101, define "working day," hours in a working day, and the definition of "overtime."

The normal work hours for the City's Engineering Inspectors are 7:30 A.M. – 4:00 P.M., with ½ hour lunch, Monday through Friday, except holidays. No Contractor will be permitted to work more than eight (8) hours per day on work requiring inspection without written approval by the City Engineer. Requests for permission to work overtime shall be in writing from the Contractor and shall indicate the Contractor's commitment to pay the Inspection charge for overtime.

When approved, overtime inspection costs will be billed to the Contractor on a monthly basis. The inspection overtime rate for all contracts is \$50/hour.

No final payment request will be processed until **ALL** inspection overtime charges have been paid. Inspection overtime charges shall **NOT** be deducted from partial payment requests. The Contractor must submit payment in full by Corporate check or money order to satisfy charges rendered for this service.

Sincerely,

Mehrdad "Mike" Fayyaz, P.E.  
Assistant City Engineer

MMF/OvCst

PUBLIC SERVICES DEPARTMENT (ENGINEERING AND ARCHITECTURAL SERVICES)

100 NORTH ANDREWS AVENUE, FORT LAUDERDALE, FLORIDA 33301

TELEPHONE (954) 828-5772

ENGINEERING FAX (954) 828-5074 • ARCHITECTURE FAX (954) 828-5070

[www.ci.fort-lauderdale.fl.us](http://www.ci.fort-lauderdale.fl.us)

EQUAL OPPORTUNITY EMPLOYER

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OTC-1

CS/rp/P16059-A Rebid/26

**SPECIAL CONDITIONS****PROJECT 16059-A  
LOW SLOPE RE-ROOFING AND REPAIR PROJECTS****GENERAL:**

At time of award of contract, the City reserves the right to set a maximum dollar limit that may be expended on their re-roofing and roof repair program. Contract quantities may be reduced or increased to maintain the contract amount within this established limit. It is the intent of this contract to spend all City funds allocated to this project. Some items may be deleted entirely and the related money amount may be added to other items.

All work shall be scheduled through the Office of the City Engineer. An official Departmental notification form (Work Order) will be sent (mailed and faxed) to the Contractor containing the date, time, location sketch, and amount of work to be done as one job or work-order. This form will be the authorization to start work. The Contractor shall commence each authorized portion of work within ten (10) business days of notification. Upon notification and prior to commencing work, the Contractor and Engineer shall reach an agreement as to the reasonable number of working days that will be required for the specific amount of work ordered (unless the notification form states the number of working days to be allowed). The work shall be completed within the number of working days agreed upon between the Engineer and Contractor, subject to extensions allowed by the Engineer due to unfavorable weather or other allowable causes substantiated by the Contractor.

**Liquidated Damages Provision** - Failure to complete the projects of any Work Order within the reasonable agreed number of working days shall subject the Contractor to pay penalty fees specified under **Section 5** (General Conditions ); **Sub-section 15** (Liquidated Damages) on page 5.8 of the City of Fort Lauderdale's **Construction Standards and Specifications** document. These penalties will be applied (subtracted) to the Contractor's final pay request at the close of each contract period.

The work under this contract shall consist of furnishing all labor, materials, equipment and incidentals necessary for roof repair or replacement established by the Engineer in City-owned buildings.

**CONTRACT DATES:**

The termination date for issuance of work under this contract shall be when the funds are depleted, or start of potential renewal (under the Contract Extension section as stated on the Notice to Contractors page (NTC-1)), whichever comes first. All work orders issued before the contract termination must be completed under this contract.

**SPECIAL CONDITIONS (CONTINUED)****PROJECT 16059-A****WORK SCHEDULING:**

The work will be scheduled by work orders for different increments or jobs by the City Engineer, at various times and places designated as City Projects or City Improvements. The sequence of the work shall be carried out in accordance with the Engineer's instructions (or his/her representative).

An Engineering Department letter of notification will be sent to the Contractor. This form will be the authorization to start work. The contractor shall commence each authorized portion of work within ten (10) days of notification. Upon notification and prior to commencing work, the contractor shall indicate to the Engineer the number of working days that will be required for the specific amount of work ordered (unless the notification form states the number of work days to be allowed). The work shall be completed within the number of working days agreed between the Engineer and contractor, subject to extensions allowed by the Engineer due to unfavorable weather or other allowable causes substantiated by the contractor.

The Contractor shall dispatch one, or multiple crews (under one Work Order) to work within the City limits at a time. The working hours are 7:30 AM to 4:00 PM only (unless specifically agreed to by the City). Once the Contractor starts work on a work order, he shall remain on the job for the necessary number of consecutive working days until it is completed. The Engineering Inspection Supervisor shall determine when the work order is completed.

**CONTRACTOR'S REQUEST FOR SUBSTITUTION**  
**CITY OF FORT LAUDERDALE**

DATE: \_\_\_\_\_ REQUEST NUMBER \_\_\_\_\_

PROJECT NAME: \_\_\_\_\_

PROJECT NUMBER: \_\_\_\_\_

NAME AND ADDRESS OF CONTRACTOR:\*

\_\_\_\_\_  
\_\_\_\_\_

\* hereby requests acceptance of the following product or system as an "acceptable substitution."

**NAME AND DESCRIPTION OF SPECIFIED PRODUCT OR SYSTEM:**

\_\_\_\_\_  
\_\_\_\_\_

MANUFACTURER: \_\_\_\_\_

SPECIFICATION SECTION \_\_\_\_\_ PAGE(S) \_\_\_\_\_ PARAGRAPH(S) \_\_\_\_\_

DRAWING \_\_\_\_\_ DETAIL NUMBER \_\_\_\_\_

**NAME AND DESCRIPTION OF PROPOSED SUBSTITUTION:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

MANUFACTURER: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

TELEPHONE: \_\_\_\_\_

NAME OF VENDOR: \_\_\_\_\_

**CONTRACTOR'S REQUEST FOR SUBSTITUTION (Continued)**

**PROJECT 16059-A**

NAME AND ADDRESS OF PREVIOUS PROJECT WHERE PROPOSED SUBSTITUTION WAS UTILIZED:

\_\_\_\_\_  
\_\_\_\_\_

TELEPHONE: \_\_\_\_\_

REASON FOR PROPOSING SUBSTITUTION: \_\_\_\_\_

\_\_\_\_\_

DOES SUBSTITUTION AFFECT OTHER MATERIALS, INSTALLATION OR SYSTEMS?

YES \_\_\_\_\_ NO \_\_\_\_\_ IF YES, ATTACH COMPLETE DATA.

DOES SUBSTITUTION REQUIRE REVISION OR REDESIGN OF ANY COMPONENT OF BUILDING OR ELECTRICAL OR MECHANICAL WORK?

YES \_\_\_\_\_ NO \_\_\_\_\_ IF YES, ATTACH COMPLETE DATA.

**SAVINGS TO CITY FOR ACCEPTING SUBSTITUTE:**

COST OF SPECIFIED ITEM:

\_\_\_\_\_ DOLLARS (\$ \_\_\_\_\_)

COST OF SUBSTITUTION ITEM:

\_\_\_\_\_ DOLLARS (\$ \_\_\_\_\_)

TOTAL SAVINGS (CREDIT) TO CITY FOR ACCEPTING SUBSTITUTE:

\_\_\_\_\_ DOLLARS (\$ \_\_\_\_\_)

**THE ATTACHED DATA IS FURNISHED FOR EVALUATION OF THE SUBSTITUTION: (X)**

( ) CATALOG ( ) DRAWINGS ( ) SAMPLES ( ) TESTS ( ) REPORTS ( ) OTHER

THE UNDERSIGNED HEREBY CERTIFIES THAT THIS PROPOSED SUBSTITUTION HAS BEEN FULLY CHECKED AND COORDINATED WITH THE CONTRACT DOCUMENTS, THAT THE PROPOSED SUBSTITUTION MEETS OR EXCEEDS THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND THAT ALL INFORMATION IS TRUE AND ACCURATE.

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

BY: \_\_\_\_\_

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

PRINT NAME LEGIBLY: \_\_\_\_\_

## INSURANCE REQUIREMENTS

The Contractor shall:

### I PUBLIC LIABILITY

Provide Owner's, Contractor's Protective Liability Insurance, including City as an additional insured, with minimum limits of \$100,000 per person, \$300,000 per occurrence, and \$50,000 property damage.

### II WORKER'S COMPENSATION

Provide Worker's Compensation and Employer's Liability Insurance for the benefit of Contractor's work force.

### III INDEMNITY

Protect, defend, indemnify and hold harmless the City of Fort Lauderdale, its officers, employees and agents from and against any and all lawsuits, penalties, damages, settlements, judgments, decrees, costs, charges and other expenses or liabilities of every kind in connection with or arising directly out of the work agreed to be performed herein, to the extent caused by the negligence, recklessness, or intentional wrongful misconduct of Contractor, its employees, servants, agents and subcontractors. Without limiting the foregoing, any and all such claims, suits, etc., relating to personal injury, death, damage to property, defects in materials or workmanship, actual or alleged infringement of any patent, trademark, copyright or of any other tangible or intangible personal or property right, or any actual or alleged violation of any applicable statute, ordinance, administrative order, rule or regulation or decree of any court, is included in the indemnity. The Contractor further agrees to investigate, handle, respond to, provide defense for, and defend any such claims, etc., at his sole expense and agrees to bear all other costs and expenses related thereto, even if the claim(s) is groundless, false or fraudulent.

In case of injury to persons, animals or property, real or personal, by reason of failure to erect or maintain proper and necessary barricades, safeguards and signals or by reason of any negligence of any Contractor, subcontractor or any of the Contractor's agents, servants, or employees during the performance of the work before the estimates have become due under this contract, the City may, through its officials, withhold such payments as long as it may deem necessary for the indemnity of the City as Owner, provided that the failure to pay the same shall not be construed or considered as a waiver of the indemnity as hereinabove set forth.

### IV AUTOMOBILE LIABILITY

Covering all owned, hired and non-owned automobile equipment.

Limits: Bodily Injury	- \$100,000 each person
	- \$300,000 each occurrence
Property Damage	- \$ 50,000 each occurrence

IR-1

Med. Ins./p.1 (Pjs. \$100,000+)

CS/rp/P16059-A Rebid/31

REV.05/01/01

INSURANCE REQUIREMENTS (Continued)V BUILDER'S RISK

If a structure is to be erected, the Contractor must also provide Builder's Risk Insurance for the full insurable value of the premises being constructed, and the policy should be endorsed to the effect that the interests of the City are included as a loss payee and the carrier waives all rights of subrogation against the City.

VI CERTIFICATES OF INSURANCE

Before commencing performance of this contract, the Contractor shall furnish the City of Fort Lauderdale a duplicate policy of Certificate of Insurance for the required insurance as specified above, which shall contain the following:

- A) Name of insurance carrier(s)
- B) Effective and expiration dates of policies
- C) 30 days written notice by carrier of any cancellation or material change in any policy
- D) Duplicate Policy or Certificates of Insurance stating that the interests of the City are included as an additional named insured, and specifying the project/location.

Such insurance shall apply despite any insurance which the City may carry in its own name.

VII SUBCONTRACTOR INSURANCE

Contractor is advised to require all of its subcontractors to provide the aforementioned coverage as well as any other coverages that the Contractor may consider necessary, and any deficiency in the coverages or policy limits of any subcontractors will be the sole responsibility of the Contractor.

IR-2

Med. Ins./p.2 (Pjs. \$100,000+)

REV.05/01/01

CS/rp/P16059-A Rebid/32

## **SECTION 011000 SUMMARY**

### **PART 1 - GENERAL**

#### **1.1 SUMMARY**

- A. This Section includes the following:
  - 1. Work covered by the Contract Documents.
  - 2. Work phases.
  - 3. Work under other contracts.
  - 4. Use of premises.
  - 5. Owner's occupancy requirements.
  - 6. Specification formats and conventions.

#### **1.2 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.
- B. "SPECIFICATIONS" referred to in the project documents are to include and incorporate the following:
  - 1. CONSTRUCTION STANDARDS AND SPECIFICATIONS, Office of the City Engineer, City of Fort Lauderdale, January 1982, including any revisions and/or ARCHITECTURAL CONSTRUCTION SPECIFICATIONS, Office of the City Engineer, City of Fort Lauderdale, January 1982, including any revisions.
    - a. The above-referenced specifications are made a part of all projects or improvements let for bid by the City's Public Services Department (Engineering and Architectural Bureau). It is mandatory that prospective bidders and Contractors familiarize themselves with and comply with these referenced specifications when preparing their proposals and during construction of any work awarded.
  - 2. The written specifications package entitled Project no. 16059A, Low Slope Re-Roofing and Repair Projects.

#### **1.3 WORK COVERED BY CONTRACT DOCUMENTS**

- A. Project Identifications: Flat Modified Bitumen Roof Projects throughout the City of Fort Lauderdale, Florida.
  - 1. Project Location: Any building location within the city meeting the above criteria.
- B. Owner: The City of Ft. Lauderdale, Florida.
  - 1. Owner's Representative: To be determined at time of individual contract award.
- C. Architect: The City of Ft. Lauderdale Chief Architect.

- D. The Work consists of the following:
  - 1. The Work includes giving unit prices for various components of the roofing system specified for the City of Fort Lauderdale to award individual projects containing (1) or more of the components listed in the proposal.
- E. Projects may be constructed under a single prime contract or several smaller components. Some projects are roof repair or complete roof replacement projects.

#### **1.4 WORK PHASES**

- A. The Work shall be conducted in (2) phases in the following order, with each phase substantially complete before beginning the next phase:
  - 1. Phase (1): The Remediation of any Asbestos as contained in the various projects individual Asbestos report. Work of this phase shall be substantially complete and ready for Phase (2) within a negotiated time framework after the Notice to Proceed.
  - 2. Phase (2): The remaining Roofing Work shall be substantially complete and ready for occupancy at time of Substantial Completion.
- B. Before commencing Work of each phase, submit a schedule showing the sequence, commencement and completion dates, and move-out and -in dates of Owner's personnel for all phases of the Work.

#### **1.5 WORK UNDER OTHER CONTRACTS**

- A. General: Cooperate fully with separate contractors so work on those contracts may be carried out smoothly, without interfering with or delaying work under this Contract. Coordinate the Work of this Contract with work performed under separate contracts.
- B. Preceding Work: Owner may award separate contract(s) for differing construction operations at Project site.
  - 1. A separate contract may be awarded to other contractors to complete other roofing or repair projects.
- C. Concurrent Work: Owner may award separate contract(s) for construction operations at Project site. Those operations will be conducted simultaneously with work under various roofing contracts awarded based on the unit prices contained in this proposal.
  - 1. A separate contract may be awarded to other partial projects for roofing at the City.

#### **1.6 USE OF PREMISES**

- A. General: Contractor shall have limited use of premises for construction operations as indicated on Drawings by the Contract limits.
- B. Use of Site: Limit use of premises to areas within the Contract limits indicated. Do not disturb portions of Project site beyond areas in which the Work is indicated.
  - 1. Limits: Confine constructions operations to not interfere with the occupation of the building.
  - 2. Owner Occupancy: Allow for Owner occupancy of Project site and use by the public.
  - 3. Driveways and Entrances: Keep driveways parking garage, loading areas, and entrances serving premises clear and available to Owner, Owner's employees, and

emergency vehicles at all times. Do not use these areas for parking or storage of materials.

- a. Schedule deliveries to minimize use of driveways and entrances.
- b. Schedule deliveries to minimize space and time requirements for storage of materials and equipment on-site.

- C. Use of Existing Building: Maintain existing building in a weathertight condition throughout construction period. Repair damage caused by construction operations. Protect building and its occupants during construction period.

## **1.7 OWNER'S OCCUPANCY REQUIREMENTS**

- A. Partial Owner Occupancy: Owner will occupy the premises during entire construction period, with the exception of areas under construction. Cooperate with Owner during construction operations to minimize conflicts and facilitate Owner usage. Perform the Work so as not to interfere with Owner's operations. Maintain existing exits, unless otherwise indicated.

1. Maintain access to existing walkways, corridors, and other adjacent occupied or used facilities. Do not close or obstruct walkways, corridors, or other occupied or used facilities without written permission from Owner and authorities having jurisdiction.

## **1.8 SPECIFICATION FORMATS AND CONVENTIONS**

- A. Specification Format: The Specifications are organized into Divisions and Sections using the format and CSI/CSC's "Masterformat" numbering system.

1. Division 01: Sections in Division 01 govern the execution of the Work of all Sections in the Specifications.

- B. Specification Content: The Specifications use certain conventions for the style of language and the intended meaning of certain terms, words, and phrases when used in particular situations. These conventions are as follows:

1. Abbreviated Language: Language used in the Specifications and other Contract Documents is abbreviated. Words and meanings shall be interpreted as appropriate. Words implied, but not stated, shall be inferred as the sense requires. Singular words shall be interpreted as plural, and plural words shall be interpreted as singular where applicable as the context of the Contract Documents indicates.

2. Imperative mood and streamlined language are generally used in the Specifications. Requirements expressed in the imperative mood are to be performed by Contractor. Occasionally, the indicative or subjunctive mood may be used in the Section Text for clarity to describe responsibilities that must be fulfilled indirectly by Contractor or by others when so noted.

- a. The words "shall," "shall be," or "shall comply with," depending on the context, are implied where a colon (:) is used within a sentence or phrase.

## **PART 2 - PRODUCTS (Not Used)**

## **PART 3 - EXECUTION (Not Used)**

**END OF SECTION 011000**

**SECTION 012200  
UNIT PRICES**

**PART 1 - GENERAL**

**1.1 SUMMARY**

- A. This Section includes administrative and procedural requirements for unit prices.
- B. See Division 01 Section "Contract Modification Procedures" for procedures for using unit prices to adjust quantity allowances.

**1.2 DEFINITIONS**

- A. Unit price is stated on the Bid Form, as a price per unit of measurement for materials or services added to or deducted from the Contract Sum by appropriate modification, if estimated quantities of Work required by the Contract Documents are increased or decreased. The proposal unit amounts will be used to determine the contract amount for each individual roofing project the City of Fort Lauderdale intends to issue a contract for.

**1.3 PROCEDURES**

- A. Unit prices include all necessary material, plus cost for delivery, installation, insurance, applicable taxes, overhead, and profit.
- B. Measurement and Payment: Refer to individual Specification Sections for work that requires establishment of unit prices. Methods of measurement and payment for unit prices are specified in those Sections, drawings and proposal information. Special areas, quantities and unit prices not addressed through this proposal and specification will be negotiated with the potential contractor using industry standard cost and area criteria.
- C. Owner reserves the right to reject Contractor's measurement of work-in-place that involves use of established unit prices and to have this work measured, at Owner's expense, by an independent surveyor acceptable to Contractor.

**PART 2 - PRODUCTS (Not Used)**

**PART 3 - EXECUTION (Not Used)**

**END OF SECTION 012200**

**SECTION 012600  
CONTRACT MODIFICATION PROCEDURES**

**PART 1 - GENERAL**

**1.1 SUMMARY**

- A. This Section specifies administrative and procedural requirements for handling and processing Contract modifications once separate contracts are issued based on the unit prices given for the proposals contained in this set of documents.
- B. See Division 01 Section "Unit Prices" for administrative requirements for using unit prices.

**1.2 MINOR CHANGES IN THE WORK**

- A. Architect will issue supplemental instructions authorizing Minor Changes in the Work, not involving adjustment to the Contract Sum or the Contract Time, on standard City of Fort Lauderdale forms.

**1.3 PROPOSAL REQUESTS**

- A. Owner-Initiated Proposal Requests: Architect will issue a detailed description of proposed changes in the Work that may require adjustment to the Contract Sum or the Contract Time. If necessary, the description will include supplemental or revised Drawings and Specifications.
  - 1. Individual Roofing contract change requests issued by Architect are for information only. Do not consider them instructions either to stop work in progress or to execute the proposed change.
  - 2. Within time specified in the individual roofing contract change request, submit a quotation estimating cost adjustments based on specific quantities to the Contract Sum and the Contract Time necessary to execute the change.
    - a. Include a list of quantities of products required or eliminated and unit costs, with total amount of purchases and credits to be made. If requested, furnish survey data to substantiate quantities.
    - b. Indicate applicable taxes, delivery charges, equipment rental, and amounts of trade discounts.
    - c. Include costs of labor and supervision directly attributable to the change.
    - d. Include an updated Contractor's Construction Schedule that indicates the effect of the change, including, but not limited to, changes in activity duration, start and finish times, and activity relationship. Use available total float before requesting an extension of the Contract Time.
- B. Contractor-Initiated Proposals: If latent or unforeseen conditions require modifications to the Contract, Contractor may propose changes by submitting a request for a change to Architect.
  - 1. Include a statement outlining reasons for the change and the effect of the change on the Work. Provide a complete description of the proposed change. Indicate the effect of the proposed change on the Contract Sum and the Contract Time.

2. Include a list of quantities of products required or eliminated and unit costs, with total amount of purchases and credits to be made. If requested, furnish survey data to substantiate quantities.
  3. Indicate applicable taxes, delivery charges, equipment rental, and amounts of trade discounts.
  4. Include costs of labor and supervision directly attributable to the change.
  5. Include an updated Contractor's Construction Schedule that indicates the effect of the change, including, but not limited to, changes in activity duration, start and finish times, and activity relationship. Use available total float before requesting an extension of the Contract Time.
  6. Comply with requirements in Division 01 Section "Product Requirements" if the proposed change requires substitution of one product or system for product or system specified.
- C. Proposal Request Form: Use forms provided by the City of Fort Lauderdale contained in the front end of this package or if not addressing a specific item, contractor to list item clearly on separate sheet and assign the appropriate unit cost with such.

#### **1.4 ALLOWANCES**

- A. Allowance Adjustment: To adjust allowance amounts if provided for on individual roofing contracts, base each Change Order proposal on the difference between purchase amount and the allowance, multiplied by final measurement of work-in-place. If applicable, include reasonable allowances for cutting losses, tolerances, mixing wastes, normal product imperfections, and similar margins.
1. Include installation costs in purchase amount only where indicated as part of the allowance.
  2. If requested, prepare explanation and documentation to substantiate distribution of overhead costs and other margins claimed.
  3. Submit substantiation of a change in scope of work, if any, claimed in Change Orders related to unit-cost allowances.
  4. Owner reserves the right to establish the quantity of work-in-place by independent quantity survey, measure, or count.

#### **1.5 CHANGE ORDER PROCEDURES**

- A. On Owner's approval of a Proposal Request, Architect will issue a Change Order for signatures of Owner and Contractor on standard City of Fort Lauderdale form.

#### **1.6 CONSTRUCTION CHANGE DIRECTIVE**

- A. Construction and Work Change Directive: Architect may issue a Construction Change Directive on the City of Fort Lauderdale form. Construction Change Directive instructs Contractor to proceed with a change in the Work, for subsequent inclusion in a Change Order.
1. Construction Change Directive contains a complete description of change in the Work. It also designates method to be followed to determine change in the Contract Sum or the Contract Time.
- B. Documentation: Maintain detailed records on a time and material basis of work required by the Construction Change Directive.

1. After completion of change, submit an itemized account and supporting data necessary to substantiate cost and time adjustments to the Contract.

**PART 2 - PRODUCTS (Not Used)**

**PART 3 - EXECUTION (Not Used)**

**END OF SECTION 012600**

**SECTION 012900  
PAYMENT PROCEDURES**

**PART 1 - GENERAL**

**1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

**1.2 SUMMARY**

- A. This Section specifies administrative and procedural requirements necessary to prepare and process Applications for Payment.
- B. Related Sections include the following:
1. Division 01 Section "Contract Modification Procedures" for administrative procedures for handling changes to the Contract.
  2. Division 01 Section "Unit Prices" for administrative requirements governing use of unit prices.
  3. Division 01 Section "Construction Progress Documentation" for administrative requirements governing preparation and submittal of Contractor's Construction Schedule and Submittals Schedule.

**1.3 DEFINITIONS**

- A. Schedule of Values: A statement furnished by Contractor allocating portions of the Contract Sum to various portions of the Work and used as the basis for reviewing Contractor's Applications for Payment.

**1.4 SCHEDULE OF VALUES**

- A. Coordination: Coordinate preparation of the Schedule of Values with preparation of Contractor's Construction Schedule.
1. Correlate line items in the Schedule of Values with other required administrative forms and schedules, including the following:
    - a. City's Form - Periodic Estimate for Partial Payment.
    - b. Submittals Schedule.
    - c. Contractor's Construction Schedule.
  2. Submit the Schedule of Values to City Representative at earliest possible date but no later than seven days before the date scheduled for submittal of initial Applications for Payment.

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3. Subschedules: Where the Work is separated into phases requiring separately phased payments, provide subschedules showing values correlated with each phase of payment.
- B. Format and Content: Use the Project Manual table of contents as a guide to establish line items for the Schedule of Values. Provide at least one line item for each Specification Section.
1. Identification: Include the following Project identification on the Schedule of Values:
    - a. Project name and location.
    - b. Project Number
    - c. Contractor's name and address.
    - d. Date of submittal.
  2. Arrange the Schedule of Values in tabular form with separate columns to indicate the following for each item listed:
    - a. Related Specification Section or Division.
    - b. Description of the Work.
    - c. Name of subcontractor.
    - d. Name of manufacturer or fabricator.
    - e. Name of supplier.
    - f. Change Orders (numbers) that affect value.
    - g. Dollar value.
      - 1) Percentage of the Contract Sum to nearest one-hundredth percent, adjusted to total 100 percent.
  3. Provide a breakdown of the Contract Sum in enough detail to facilitate continued evaluation of Applications for Payment and progress reports. Coordinate with the Project Manual table of contents. Provide several line items for principal subcontract amounts, where appropriate.
  4. Round amounts to nearest whole dollar; total shall equal the Contract Sum.
  5. Provide a separate line item in the Schedule of Values for each part of the Work where Applications for Payment may include materials or equipment purchased or fabricated and stored, but not yet installed.
    - a. Differentiate between items stored on-site and items stored off-site. If specified, include evidence of insurance or bonded warehousing.
  6. Provide separate line items in the Schedule of Values for initial cost of materials, for each subsequent stage of completion, and for total installed value of that part of the Work.
  7. Allowances: Provide a separate line item in the Schedule of Values for each allowance. Show line-item value of unit-cost allowances, as a product of the unit cost, multiplied by measured quantity. Use information indicated in the Contract Documents to determine quantities.
  8. Each item in the Schedule of Values and Applications for Payment shall be complete. Include total cost and proportionate share of general overhead and profit for each item.

- a. Temporary facilities and other major cost items that are not direct cost of actual work-in-place may be shown either as separate line items in the Schedule of Values or distributed as General Conditions expense, at Contractor's option.
9. Schedule Updating: Update and resubmit the Schedule of Values before the next Applications for Payment when Change Orders or Construction Change Directives result in a change in the Contract Sum.

## 1.5 APPLICATIONS FOR PAYMENT

- A. The General Contractor must meet with the City Representative on or about the 25th of each month. The City Representative will go over the pay items and agree on the quantities and the dollar amounts of the work completed during the month. A copy of the agreed amounts will be signed by the parties and a copy will be left with each representative.
- B. The General Contractor will make up a partial pay request using the City-supplied forms and submit the request to the City Representative before the first of the upcoming month.
- C. Each pay request must be accompanied by a partial release of lien by the General Contractor and by all Subcontractors, suppliers, and for all labor, as outlined below.
  - 1. Starting with the second (2nd) pay request and for each and every pay request thereafter, the General Contractor shall submit partial release of liens from all Subcontractors, suppliers, and laborers covering the preceding month's request (SEE FOLLOWING EXAMPLE).
  - 2. EXAMPLE: In the first (1st) pay request, payment is requested by General Contractor for the asbestos contractor and the electrician. The General Contractor must attach his partial release of lien.
  - 3. For the second (2nd) pay request, the General Contractor must attach his partial release of lien from the asbestos contractor and the electrician for the amounts billed in the 1st pay request; i.e., the General Contractor will be running one (1) month behind with the releases from the Subcontractors, suppliers, etc., until the final pay request.
- D. For the final pay request, the General Contractor will be required to submit FINAL release of liens for ALL Subcontractors, suppliers, etc., and for ALL labor BEFORE FINAL PAYMENT WILL BE MADE.
- E. No partial payments, after the first payment, will be made until all partial release of liens are submitted for the preceding month's billing, as described
- F. Each Application for Payment shall be consistent with previous applications and payments as certified by and paid for by City.
- G. Payment Application Forms: Use City Form "PERIODIC ESTIMATE FOR PARTIAL PAYMENT" as form for Applications for Payment.
  - 1. Application Preparation: Complete every entry on form. Notarize and execute by a person authorized to sign legal documents on behalf of Contractor. City will return incomplete applications without action.
  - 2. Entries shall match data on the Schedule of Values and Contractor's Construction Schedule. Use updated schedules if revisions were made.
  - 3. Include amounts of Change Orders and Construction Change Directives issued before last day of construction period covered by application.

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- H. Release of Lien: With each Application for Payment, submit release of lien from every entity who is lawfully entitled to file a mechanic's lien arising out of the Contract and related to the Work covered by the payment.
1. Submit partial release of lien on each item for amount requested in previous application, after deduction for retainage, on each item.
  2. When an application shows completion of an item, submit final release of lien.
  3. City reserves the right to designate which entities involved in the Work must submit release of lien forms.
- I. Initial Application for Payment: Administrative actions and submittals that must precede or coincide with submittal of first Application for Payment include the following:
1. List of subcontractors.
  2. Schedule of Values.
  3. Contractor's Construction Schedule (preliminary if not final).
  4. Products list.
  5. Schedule of unit prices.
  6. Submittals Schedule (preliminary if not final).
  7. List of Contractor's staff assignments.
  8. List of Contractor's principal consultants.
  9. Copies of building permits.
  10. Copies of authorizations and licenses from authorities having jurisdiction for performance of the Work.
  11. Initial progress report.
  12. Report of preconstruction conference.
  13. Certificates of insurance and insurance policies.
  14. Performance and payment bonds.
  15. Data needed to acquire City's insurance.
  16. Initial settlement survey and damage report if required.
- J. Final Payment Application: Submit final Application for Payment with releases and supporting documentation not previously submitted and accepted, including, but not limited, to the following:
1. Evidence of completion of Project closeout requirements.
  2. Insurance certificates for products and completed operations where required and proof that taxes, fees, and similar obligations were paid.
  3. Updated final statement, accounting for final changes to the Contract Sum.
  4. Evidence that claims have been settled.
  5. Final meter readings for utilities, a measured record of stored fuel, and similar data as of date of Substantial Completion or when City took possession of and assumed responsibility for corresponding elements of the Work.
  6. Final, liquidated damages settlement statement.

**PART 2 - PRODUCTS (Not Used)**

**PART 3 - EXECUTION (Not Used)**

**END OF SECTION 012900**

**LOW SLOPE RE-ROOFING AND REPAIR PROJECTS REBID****PROJECT 16059-A****SECTION 013100  
PROJECT MANAGEMENT AND COORDINATION****PART 1 - GENERAL****1.1 SUMMARY**

- A. This Section includes administrative provisions for coordinating construction operations on Project including, but not limited to, the following:
  - 1. Coordination Drawings.
  - 2. Project meetings.
  - 3. Requests for Interpretation (RFIs).
- B. See Division 01 Section "Multiple Contract Summary" for a description of the division of Work among separate contracts and responsibility for coordination activities not in this Section.
- C. See Division 01 Section "Execution" for procedures for coordinating general installation and field-engineering services, including establishment of benchmarks and control points.

**1.2 DEFINITIONS**

- A. RFI: Request from Contractor seeking interpretation or clarification of the Contract Documents.

**1.3 COORDINATION**

- A. Coordination: Coordinate construction operations included in different Sections of the Specifications to ensure efficient and orderly installation of each part of the Work. Coordinate construction operations, included in different Sections, that depend on each other for proper installation, connection, and operation.
  - 1. Schedule construction operations in sequence required to obtain the best results where installation of one part of the Work depends on installation of other components, before or after its own installation.
  - 2. Coordinate installation of different components with other contractors to ensure maximum accessibility for required maintenance, service, and repair.
  - 3. Make adequate provisions to accommodate items scheduled for later installation.
  - 4. Where availability of space is limited, coordinate installation of different components to ensure maximum performance and accessibility for required maintenance, service, and repair of all components, including mechanical and electrical.
- B. Administrative Procedures: Coordinate scheduling and timing of required administrative procedures with other construction activities and activities of other contractors to avoid conflicts and to ensure orderly progress of the Work. Such administrative activities include, but are not limited to, the following:
  - 1. Preparation of Contractor's Construction Schedule.
  - 2. Preparation of the Schedule of Values.

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3. Installation and removal of temporary facilities and controls.
4. Delivery and processing of submittals.
5. Progress meetings.
6. Preinstallation conferences.
7. Project closeout activities.
8. Startup and adjustment of systems.
9. Project closeout activities.

**1.4 SUBMITTALS**

- A. Coordination Drawings: Prepare Coordination Drawings if limited space availability necessitates maximum utilization of space for efficient installation of different components or if coordination is required for installation of products and materials fabricated by separate entities.
1. Content: Project-specific information, drawn accurately to scale. Do not base Coordination Drawings on reproductions of the Contract Documents or standard printed data. Include the following information, as applicable:
    - a. Indicate functional and spatial relationships of components of architectural, structural, civil, mechanical, and electrical systems.
    - b. Indicate dimensions shown on the Contract Drawings and make specific note of dimensions that appear to be in conflict with submitted equipment and minimum clearance requirements. Provide alternate sketches to Architect for resolution of such conflicts. Minor dimension changes and difficult installations will not be considered changes to the Contract.
  2. Sheet Size: At least 8-1/2 by 11 inches(215 by 280 mm) but no larger than 30 by 40 inches(750 by 1000 mm).
  3. Number of Copies: Submit two opaque copies of each submittal. Architect will return one copy.
  4. Refer to individual Sections for Coordination Drawing requirements for Work in those Sections.

**1.5 PROJECT MEETINGS**

- A. General: Schedule and conduct meetings and conferences at Project site, unless otherwise indicated.
1. Attendees: Inform participants and others involved, and individuals whose presence is required, of date and time of each meeting. Notify Owner and Architect of scheduled meeting dates and times.
  2. Agenda: Prepare the meeting agenda. Distribute the agenda to all invited attendees.
  3. Minutes: Record significant discussions and agreements achieved. Distribute the meeting minutes to everyone concerned, including Owner and Architect, within three days of the meeting.

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- B. Preconstruction Conference: Schedule a preconstruction conference before starting construction, at a time convenient to Owner and Architect, but no later than 15 days after execution of the Agreement. Hold the conference at Project site or another convenient location. Conduct the meeting to review responsibilities and personnel assignments.
1. Attendees: Authorized representatives of Owner, Architect, and their consultants; Contractor and its superintendent; major subcontractors; suppliers; and other concerned parties shall attend the conference. All participants at the conference shall be familiar with Project and authorized to conclude matters relating to the Work.
  2. Agenda: Discuss items of significance that could affect progress, including the following:
    - a. Tentative construction schedule.
    - b. Phasing.
    - c. Critical work sequencing and long-lead items.
    - d. Designation of key personnel and their duties.
    - e. Procedures for processing field decisions and Change Orders.
    - f. Procedures for RFIs.
    - g. Procedures for testing and inspecting.
    - h. Procedures for processing Applications for Payment.
    - i. Distribution of the Contract Documents.
    - j. Submittal procedures.
    - k. Preparation of Record Documents.
    - l. Use of the premises and existing building.
    - m. Work restrictions.
    - n. Owner's occupancy requirements.
    - o. Responsibility for temporary facilities and controls.
    - p. Construction waste management and recycling.
    - q. Parking availability.
    - r. Office, work, and storage areas.
    - s. Equipment deliveries and priorities.
    - t. First aid.
    - u. Security.
    - v. Progress cleaning.
    - w. Working hours.
  3. Minutes: Record and distribute meeting minutes.
- C. Progress Meetings: Conduct progress meetings at regular intervals no less than bi-weekly. Coordinate dates of meetings with preparation of payment requests.
1. Attendees: In addition to representatives of Owner and Architect, each contractor, subcontractor, supplier, and other entity concerned with current progress or involved in planning, coordination, or performance of future activities shall be represented at these meetings. All participants at the conference shall be familiar with Project and authorized to conclude matters relating to the Work.
  2. Agenda: Review and correct or approve minutes of previous progress meeting. Review other items of significance that could affect progress. Include topics for discussion as appropriate to status of Project.

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- a. Contractor's Construction Schedule: Review progress since the last meeting. Determine whether each activity is on time, ahead of schedule, or behind schedule, in relation to Contractor's Construction Schedule. Determine how construction behind schedule will be expedited; secure commitments from parties involved to do so. Discuss whether schedule revisions are required to ensure that current and subsequent activities will be completed within the Contract Time.
    - 1) Review schedule for next period.
  - b. Review present and future needs of each entity present, including the following:
    - 1) Interface requirements.
    - 2) Sequence of operations.
    - 3) Status of submittals.
    - 4) Deliveries.
    - 5) Off-site fabrication.
    - 6) Access.
    - 7) Site utilization.
    - 8) Temporary facilities and controls.
    - 9) Work hours.
    - 10) Hazards and risks.
    - 11) Progress cleaning.
    - 12) Quality and work standards.
    - 13) Status of correction of deficient items.
    - 14) Field observations.
    - 15) RFIs.
    - 16) Status of proposal requests.
    - 17) Pending changes.
    - 18) Status of Change Orders.
    - 19) Pending claims and disputes.
    - 20) Documentation of information for payment requests.
3. Minutes: Record the meeting minutes.
  4. Reporting: Distribute minutes of the meeting to each party present and to parties who should have been present.
    - a. Schedule Updating: Revise Contractor's Construction Schedule after each progress meeting where revisions to the schedule have been made or recognized. Issue revised schedule concurrently with the report of each meeting.

**1.6 REQUESTS FOR INTERPRETATION (RFIs)**

- A. Procedure: Immediately on discovery of the need for interpretation of the Contract Documents, and if not possible to request interpretation at Project meeting, prepare and submit an RFI in the form specified.
  1. RFIs shall originate with Contractor. RFIs submitted by entities other than Contractor will be returned with no response.
  2. Coordinate and submit RFIs in a prompt manner so as to avoid delays in Contractor's work or work of subcontractors.

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- B. Content of the RFI: Include a detailed, legible description of item needing interpretation and the following:
1. Project name.
  2. Date.
  3. Name of Contractor.
  4. Name of Architect and Construction Manager.
  5. RFI number, numbered sequentially.
  6. Specification Section number and title and related paragraphs, as appropriate.
  7. Drawing number and detail references, as appropriate.
  8. Field dimensions and conditions, as appropriate.
  9. Contractor's suggested solution(s). If Contractor's solution(s) impact the Contract Time or the Contract Sum, Contractor shall state impact in the RFI.
  10. Contractor's signature.
  11. Attachments: Include drawings, descriptions, measurements, photos, Product Data, Shop Drawings, and other information necessary to fully describe items needing interpretation.
- C. Hard-Copy RFIs: City of Fort Lauderdale format.
1. Identify each page of attachments with the RFI number and sequential page number.
- D. Architect's Action: Architect will review each RFI, determine action required, and return it. Allow seven working days for Architect's response for each RFI. RFIs received after 1:00 p.m. will be considered as received the following working day.
1. The following RFIs will be returned without action:
    - a. Requests for approval of submittals.
    - b. Requests for approval of substitutions.
    - c. Requests for coordination information already indicated in the Contract Documents.
    - d. Requests for adjustments in the Contract Time or the Contract Sum.
    - e. Requests for interpretation of Architect's actions on submittals.
    - f. Incomplete RFIs or RFIs with numerous errors.
  2. Architect's action may include a request for additional information, in which case Architect's time for response will start again.
  3. Architect's action on RFIs that may result in a change to the Contract Time or the Contract Sum may be eligible for Contractor to submit Change Proposal according to Division 01 Section "Contract Modification Procedures."
    - a. If Contractor believes the RFI response warrants change in the Contract Time or the Contract Sum, notify Architect in writing within 10 days of receipt of the RFI response.
- E. On receipt of Architect's action, update the RFI log and immediately distribute the RFI response to affected parties. Review response and notify Architect within seven days if Contractor disagrees with response.

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- F. RFI Log: Prepare, maintain, and submit a tabular log of RFIs organized by the RFI number. Submit log weekly. Include the following:
1. Project name.
  2. Name and address of Contractor.
  3. Name and address of Architect.
  4. RFI number including RFIs that were dropped and not submitted.
  5. RFI description.
  6. Date the RFI was submitted.
  7. Date Architect's response was received.
  8. Identification of related Minor Change in the Work, Construction Change Directive, and Proposal Request, as appropriate.
  9. Identification of related Field Order, Work Change Directive, and Proposal Request, as appropriate.

**PART 2 - PRODUCTS (Not Used)****PART 3 - EXECUTION (Not Used)****END OF SECTION 013100**

**LOW SLOPE RE-ROOFING AND REPAIR PROJECTS REBID****PROJECT 16059-A****SECTION 013200  
CONSTRUCTION PROGRESS DOCUMENTATION****PART 1 - GENERAL****1.1 SUMMARY**

- A. This Section includes administrative and procedural requirements for documenting the progress of construction during performance of the Work, including the following:
  - 1. Contractor's Construction Schedule.
  - 2. Submittals Schedule.
  - 3. Daily construction reports.
  - 4. Field condition reports.
- B. See Division 01 Section "Payment Procedures" for submitting the Schedule of Values.

**1.2 DEFINITIONS**

- A. Activity: A discrete part of a project that can be identified for planning, scheduling, monitoring, and controlling the construction project. Activities included in a construction schedule consume time and resources.
  - 1. Critical activities are activities on the critical path. They must start and finish on the planned early start and finish times.
  - 2. Predecessor Activity: An activity that precedes another activity in the network.
  - 3. Successor Activity: An activity that follows another activity in the network.
- B. CPM: Critical path method, which is a method of planning and scheduling a construction project where activities are arranged based on activity relationships. Network calculations determine when activities can be performed and the critical path of Project.
- C. Critical Path: The longest connected chain of interdependent activities through the network schedule that establishes the minimum overall Project duration and contains no float.
- D. Float: The measure of leeway in starting and completing an activity.
  - 1. Float time belongs to Owner.

**1.3 SUBMITTALS**

- A. Submittals Schedule: Submit three copies of schedule. Arrange the following information in a tabular format:
  - 1. Scheduled date for first submittal.
  - 2. Submittal category (action or informational).
  - 3. Description of the Work covered.
  - 4. Scheduled date for Architect's final release or approval.

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- B. Contractor's Construction Schedule: Submit two opaque copies of initial schedule, large enough to show entire schedule for entire construction period.
- C. Daily Construction Reports: Submit two copies at weekly intervals.
- D. Field Condition Reports: Submit two copies at time of discovery of differing conditions.

**1.4 COORDINATION**

- A. Coordinate preparation and processing of schedules and reports with performance of construction activities and with scheduling and reporting of separate contractors.
- B. Coordinate Contractor's Construction Schedule with the Schedule of Values, list of Submittals Schedule, progress reports, payment requests, and other required schedules and reports.
  - 1. Secure time commitments for performing critical elements of the Work from parties involved.
  - 2. Coordinate each construction activity in the network with other activities and schedule them in proper sequence.

**PART 2 - PRODUCTS****2.1 SUBMITTALS SCHEDULE**

- A. Preparation: Submit a schedule of submittals, arranged in chronological order by dates required by construction schedule. Include time required for review, resubmittal, ordering, manufacturing, fabrication, and delivery when establishing dates.
  - 1. Coordinate Submittals Schedule with list of subcontracts, the Schedule of Values, and Contractor's Construction Schedule.
  - 2. Submit concurrently with the first complete submittal of Contractor's Construction Schedule.

**2.2 CONTRACTOR'S CONSTRUCTION SCHEDULE, GENERAL**

- A. Time Frame: Extend schedule from date established for the Notice to Proceed to date of Final Completion.
  - 1. Contract completion date shall not be changed by submission of a schedule that shows an early completion date, unless specifically authorized by Change Order.
  - 2. Submittal Review Time: Include review and resubmittal times indicated in Division 01 Section "Submittal Procedures" in schedule. Coordinate submittal review times in Contractor's Construction Schedule with Submittals Schedule.
  - 3. Substantial Completion: Indicate completion in advance of date established for Substantial Completion, and allow time for Architect's administrative procedures necessary for certification of Substantial Completion.
- B. Contract Modifications: For each proposed contract modification and concurrent with its submission, prepare a time-impact analysis to demonstrate the effect of the proposed change on the overall project schedule.

**LOW SLOPE RE-ROOFING AND REPAIR PROJECTS REBID****PROJECT 16059-A****2.3 CONTRACTOR'S CONSTRUCTION SCHEDULE (CPM SCHEDULE)**

- A. CPM Schedule Preparation: Prepare a list of all activities required to complete the Work. Using the preliminary network diagram, prepare a skeleton network to identify probable critical paths.
1. Activities: Indicate the estimated time duration, sequence requirements, and relationship of each activity in relation to other activities. Include estimated time frames for the following activities:
    - a. Preparation and processing of submittals.
    - b. Mobilization and demobilization.
    - c. Purchase of materials.
    - d. Delivery.
    - e. Installation.
    - f. Work by Owner that may affect or be affected by Contractor's activities.
  2. Critical Path Activities: Identify critical path activities, including those for interim completion dates. Scheduled start and completion dates shall be consistent with Contract milestone dates.

**2.4 REPORTS**

- A. Daily Construction Reports: Prepare a daily construction report recording the following information concerning events at Project site:
1. Equipment at Project site.
  2. Material deliveries.
  3. High and low temperatures and general weather conditions.
  4. Accidents.
  5. Stoppages, delays, shortages, and losses.
  6. Meter readings and similar recordings.
  7. Orders and requests of authorities having jurisdiction.
- B. Field Condition Reports: Immediately on discovery of a difference between field conditions and the Contract Documents, prepare and submit a detailed report. Submit with a request for interpretation on CSI Form 13.2A. Include a detailed description of the differing conditions, together with recommendations for changing the Contract Documents.

**PART 3 - EXECUTION****3.1 CONTRACTOR'S CONSTRUCTION SCHEDULE**

- A. Contractor's Construction Schedule Updating: At weekly intervals, update schedule to reflect actual construction progress and activities. Issue schedule one week before each regularly scheduled progress meeting.
1. Revise schedule immediately after each meeting or other activity where revisions have been recognized or made. Issue updated schedule concurrently with the report of each such meeting.

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2. Include a report with updated schedule that indicates every change, including, but not limited to, changes in logic, durations, actual starts and finishes, and activity durations.
  3. As the Work progresses, indicate Actual Completion percentage for each activity.
- B. Distribution: Distribute copies of approved schedule to Architect Owner, separate contractors, testing and inspecting agencies, and other parties identified by Contractor with a need-to-know schedule responsibility.
1. Post copies in Project meeting rooms and temporary field offices.
  2. When revisions are made, distribute updated schedules to the same parties and post in the same locations. Delete parties from distribution when they have completed their assigned portion of the Work and are no longer involved in performance of construction activities.

**END OF SECTION 013200**

**LOW SLOPE RE-ROOFING AND REPAIR PROJECTS REBID****PROJECT 16059-A****SECTION 013300  
SUBMITTAL PROCEDURES****PART 1 - GENERAL****1.1 SUMMARY**

- A. This Section includes administrative and procedural requirements for submitting Shop Drawings, Product Data, Samples, and other submittals.
- B. See Division 01 Section "Construction Progress Documentation" for submitting schedules and reports, including Contractor's Construction Schedule.
- C. See Division 01 Section "Closeout Procedures" for submitting warranties.
- D. See Division 01 Section "Project Record Documents" for submitting Record Drawings, Record Specifications, and Record Product Data.

**1.2 DEFINITIONS**

- A. Action Submittals: Written and graphic information that requires Architect's responsive action.
- B. Informational Submittals: Written information that does not require Architect's responsive action. Submittals may be rejected for not complying with requirements.

**1.3 SUBMITTAL PROCEDURES**

- A. Coordination: Coordinate preparation and processing of submittals with performance of construction activities.
  - 1. Coordinate each submittal with fabrication, purchasing, testing, delivery, other submittals, and related activities that require sequential activity.
  - 2. Coordinate transmittal of different types of submittals for related parts of the Work so processing will not be delayed because of need to review submittals concurrently for coordination.
    - a. Architect reserves the right to withhold action on a submittal requiring coordination with other submittals until related submittals are received.
- B. Submittals Schedule: Comply with requirements in Division 01 Section "Construction Progress Documentation" for list of submittals and time requirements for scheduled performance of related construction activities.
- C. Processing Time: Allow enough time for submittal review, including time for resubmittals, as follows. Time for review shall commence on Architect's receipt of submittal. No extension of the Contract Time will be authorized because of failure to transmit submittals enough in advance of the Work to permit processing, including resubmittals.

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1. Initial Review: Allow 4 days for initial review of each submittal. Allow additional time if coordination with subsequent submittals is required. Architect will advise Contractor when a submittal being processed must be delayed for coordination.
  2. Intermediate Review: If intermediate submittal is necessary, process it in same manner as initial submittal.
  3. Resubmittal Review: Allow 4 days for review of each resubmittal.
- D. Identification: Place a permanent label or title block on each submittal for identification.
1. Indicate name of firm or entity that prepared each submittal on label or title block.
  2. Provide a space approximately **6 by 8 inches(150 by 200 mm)** on label or beside title block to record Contractor's review and approval markings and action taken by Architect.
  3. Include the following information on label for processing and recording action taken:
    - a. Project name.
    - b. Date.
    - c. Name and address of Architect.
    - d. Name and address of Contractor.
    - e. Name and address of subcontractor.
    - f. Name and address of supplier.
    - g. Name of manufacturer.
    - h. Submittal number or other unique identifier, including revision identifier.
      - 1) Submittal number shall use Specification Section number followed by a decimal point and then a sequential number (e.g., 06100.01). Resubmittals shall include an alphabetic suffix after another decimal point (e.g., 06100.01.A).
    - i. Number and title of appropriate Specification Section.
    - j. Drawing number and detail references, as appropriate.
    - k. Location(s) where product is to be installed, as appropriate.
    - l. Other necessary identification.
- E. Deviations: Highlight, encircle, or otherwise specifically identify deviations from the Contract Documents on submittals.
- F. Additional Copies: Unless additional copies are required for final submittal, and unless Architect observes noncompliance with provisions in the Contract Documents, initial submittal may serve as final submittal.
1. Additional copies submitted for maintenance manuals will not be marked with action taken and will be returned.
- G. Transmittal: Package each submittal individually and appropriately for transmittal and handling. Transmit each submittal using a transmittal form. Architect will discard submittals received from sources other than Contractor.
- H. Resubmittals: Make resubmittals in same form and number of copies as initial submittal.
1. Note date and content of previous submittal.

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2. Note date and content of revision in label or title block and clearly indicate extent of revision.
  3. Resubmit submittals until they are marked " approval notation from Architect's action stamp."
- I. Distribution: Furnish copies of final submittals to manufacturers, subcontractors, suppliers, fabricators, installers, authorities having jurisdiction, and others as necessary for performance of construction activities. Show distribution on transmittal forms.
  - J. Use for Construction: Use only final submittals with mark indicating "approval" taken by Architect.

**1.4 CONTRACTOR'S USE OF ARCHITECT'S CAD FILES**

- A. General: At Contractor's written request, copies of Architect's CAD files will be provided to Contractor for Contractor's use in connection with Project, subject to the following conditions:
  1. Only with release statement signed by the contractor from the Architect.

**PART 2 - PRODUCTS****2.1 ACTION SUBMITTALS**

- A. General: Prepare and submit Action Submittals required by individual Specification Sections.
- B. Product Data: Collect information into a single submittal for each element of construction and type of product or equipment.
  1. If information must be specially prepared for submittal because standard printed data are not suitable for use, submit as Shop Drawings, not as Product Data.
  2. Mark each copy of each submittal to show which products and options are applicable.
  3. Include the following information, as applicable:
    - a. Manufacturer's written recommendations.
    - b. Manufacturer's product specifications.
    - c. Manufacturer's installation instructions.
    - d. Manufacturer's catalog cuts.
    - e. Wiring diagrams showing factory-installed wiring.
    - f. Printed performance curves.
    - g. Operational range diagrams.
    - h. Compliance with specified referenced standards.
    - i. Testing by recognized testing agency.
  4. Number of Copies: Submit three copies of Product Data, unless otherwise indicated. Architect will return two copies. Mark up and retain one returned copy as a Project Record Document.

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- C. Shop Drawings: Prepare Project-specific information, drawn accurately to scale. Do not base Shop Drawings on reproductions of the Contract Documents or standard printed data, unless submittal of Architect's CAD Drawings is otherwise permitted.
1. Preparation: Fully illustrate requirements in the Contract Documents. Include the following information, as applicable:
    - a. Dimensions.
    - b. Identification of products.
    - c. Schedules.
    - d. Notation of coordination requirements.
    - e. Notation of dimensions established by field measurement.
    - f. Relationship to adjoining construction clearly indicated.
    - g. Seal and signature of professional engineer if specified.
  2. Sheet Size: Except for templates, patterns, and similar full-size drawings, submit Shop Drawings on sheets at least 8-1/2 by 11 inches(215 by 280 mm) but no larger than 30 by 40 inches(750 by 1000 mm).
  3. Number of Copies: Submit two opaque (bond) copies of each submittal. Architect will return one copy.
- D. Samples: Submit Samples for review of kind, color, pattern, and texture for a check of these characteristics with other elements and for a comparison of these characteristics between submittal and actual component as delivered and installed.
1. Transmit Samples that contain multiple, related components such as accessories together in one submittal package.
  2. Identification: Attach label on unexposed side of Samples that includes the following:
    - a. Generic description of Sample.
    - b. Product name and name of manufacturer.
    - c. Sample source.
    - d. Number and title of appropriate Specification Section.
  3. Disposition: Maintain sets of approved Samples at Project site, available for quality-control comparisons throughout the course of construction activity. Sample sets may be used to determine final acceptance of construction associated with each set.
- E. Subcontract List: Prepare a written summary identifying individuals or firms proposed for each portion of the Work, including those who are to furnish products or equipment fabricated to a special design. Use CSI Form 1.5A.
1. Number of Copies: Submit three copies of subcontractor list, unless otherwise indicated. Architect will return 2 copies.

**2.2 INFORMATIONAL SUBMITTALS**

- A. General: Prepare and submit Informational Submittals required by other Specification Sections.

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1. Number of Copies: Submit two copies of each submittal, unless otherwise indicated. Architect will not return copies.
  2. Certificates and Certifications: Provide a notarized statement that includes signature of entity responsible for preparing certification. Certificates and certifications shall be signed by an officer or other individual authorized to sign documents on behalf of that entity.
  3. Test and Inspection Reports: Comply with requirements specified in Division 01 Section "Quality Requirements."
- B. Manufacturer Certificates: Prepare written statements on manufacturer's letterhead certifying that manufacturer complies with requirements in the Contract Documents. Include evidence of manufacturing experience where required.
- C. Manufacturer's Field Reports: Prepare written information documenting factory-authorized service representative's tests and inspections. Include the following, as applicable:
1. Statement on condition of substrates and their acceptability for installation of product.
  2. Summary of installation procedures being followed, whether they comply with requirements and, if not, what corrective action was taken.
  3. Results of operational and other tests and a statement of whether observed performance complies with requirements.
- D. Insurance Certificates and Bonds: Prepare written information indicating current status of insurance or bonding coverage. Include name of entity covered by insurance or bond, limits of coverage, amounts of deductibles, if any, and term of the coverage.

**PART 3 - EXECUTION****3.1 CONTRACTOR'S REVIEW**

- A. Review each submittal and check for coordination with other Work of the Contract and for compliance with the Contract Documents. Note corrections and field dimensions. Mark with approval stamp before submitting to Architect.
- B. Approval Stamp: Stamp each submittal with a uniform, approval stamp. Include Project name and location, submittal number, Specification Section title and number, name of reviewer, date of Contractor's approval, and statement certifying that submittal has been reviewed, checked, and approved for compliance with the Contract Documents.

**3.2 ARCHITECT'S ACTION**

- A. General: Architect will not review submittals that do not bear Contractor's approval stamp and will return them without action.
- B. Action Submittals: Architect will review each submittal, make marks to indicate corrections or modifications required, and return it. Architect will stamp each submittal with an action stamp and will mark stamp appropriately to indicate action taken.

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- C. Informational Submittals: Architect will review each submittal and will not return it, or will return it if it does not comply with requirements. Architect will forward each submittal to appropriate party.
- D. Partial submittals are not acceptable, will be considered nonresponsive, and will be returned without review.
- E. Submittals not required by the Contract Documents may not be reviewed and may be discarded.

**END OF SECTION 013300**

**LOW SLOPE RE-ROOFING AND REPAIR PROJECTS REBID****PROJECT 16059-A****SECTION 015000  
TEMPORARY FACILITIES and UTILITIES****PART 1 - GENERAL****1.1 SUMMARY**

- A. This Section includes requirements for temporary utilities, support facilities, and security and protection facilities.

**1.2 USE CHARGES**

- A. Water Service: Water from Owner's existing water system is available for use without metering and without payment of use charges. Provide connections and extensions of services as required for construction operations.
- B. Electric Power Service: Electric power from Owner's existing system is available for use without metering and without payment of use charges. Provide connections and extensions of services as required for construction operations.

**PART 2 - PRODUCTS****2.1 EQUIPMENT**

- A. Fire Extinguishers: Portable, UL rated; with class and extinguishing agent as required by locations and classes of fire exposures.

**PART 3 - EXECUTION****3.1 TEMPORARY UTILITY**

- A. Water Service: Use of Owner's existing water service facilities will be permitted, as long as facilities are cleaned and maintained in a condition acceptable to Owner. At Substantial Completion, restore these facilities to condition existing before initial use.
  - 1. Where installations below an outlet might be damaged by spillage or leakage, provide a drip pan of suitable size to minimize water damage. Drain accumulated water promptly from pans.
- B. Sanitary Facilities: Provide temporary toilets, wash facilities, and drinking water for use of construction personnel. Comply with authorities having jurisdiction for type, number, location, operation, and maintenance of fixtures and facilities.
  - 1. Toilets: Use of Owner's existing toilet facilities will be permitted, as long as facilities are cleaned and maintained in a condition acceptable to Owner. At Substantial Completion, restore these facilities to condition existing before initial use.

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- C. Electric Power Service: Use of Owner's existing electric power service will be permitted, as long as equipment is maintained in a condition acceptable to Owner.

**3.2 SUPPORT FACILITIES INSTALLATION**

- A. Waste Disposal Facilities: Provide waste-collection containers in sizes adequate to handle waste from construction operations. Comply with requirements of authorities having jurisdiction. Comply with Division 01 Section "Execution" for progress cleaning requirements.
- B. Lifts and Hoists: Provide facilities necessary for hoisting materials and personnel.
  - 1. Truck cranes and similar devices used for hoisting materials are considered "tools and equipment" and not temporary facilities.
- C. Existing Elevator Use: Use of Owner's existing elevators will be permitted, as long as elevators are cleaned and maintained in a condition acceptable to Owner. At Substantial Completion, restore elevators to condition existing before initial use, including replacing worn cables, guide shoes, and similar items of limited life.
  - 1. Provide protective coverings, barriers, devices, signs, or other procedures to protect elevator car and entrance doors and frame. If, despite such protection, elevators become damaged, engage elevator Installer to restore damaged work so no evidence remains of correction work. Return items that cannot be refinished in field to the shop, make required repairs and refinish entire unit, or provide new units as required.
- D. Existing Stair Usage: Use of Owner's existing stairs will be permitted, as long as stairs are cleaned and maintained in a condition acceptable to Owner. At Substantial Completion, restore stairs to condition existing before initial use.
  - 1. Provide protective coverings, barriers, devices, signs, or other procedures to protect stairs and to maintain means of egress. If, despite such protection, stairs become damaged, restore damaged areas so no evidence remains of correction work.
- E. Temporary Use of Permanent Stairs: Cover finished, permanent stairs with protective covering of plywood or similar material so finishes will be undamaged at time of acceptance.

**3.3 SECURITY AND PROTECTION FACILITIES INSTALLATION**

- A. Environmental Protection: Provide protection, operate temporary facilities, and conduct construction in ways and by methods that comply with environmental regulations and that minimize possible air, waterway, and subsoil contamination or pollution or other undesirable effects.
- B. Storm water Control: Comply with authorities having jurisdiction. Provide barriers in and around excavations and subgrade construction to prevent flooding by runoff of storm water from heavy rains.
- C. Security Enclosure and Lockup: Install substantial temporary enclosure around partially completed areas of construction. Provide lockable entrances to prevent unauthorized entrance, vandalism, theft, and similar violations of security.

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- D. Barricades, Warning Signs, and Lights: Comply with requirements of authorities having jurisdiction for erecting structurally adequate barricades, including warning signs and lighting.
  - 1. Temporary Enclosures: Provide temporary enclosures for protection of construction, in progress and completed, from exposure, foul weather, other construction operations, and similar activities.
  
- E. Temporary Fire Protection: Install and maintain temporary fire-protection facilities of types needed to protect against reasonably predictable and controllable fire losses. Comply with NFPA 241.
  - 1. Prohibit smoking in construction areas.
  - 2. Supervise welding operations, combustion-type temporary heating units, and similar sources of fire ignition according to requirements of authorities having jurisdiction.
  - 3. Develop and supervise an overall fire-prevention and -protection program for personnel at Project site. Review needs with local fire department and establish procedures to be followed. Instruct personnel in methods and procedures. Post warnings and information.

**END OF SECTION 015000**

**LOW SLOPE RE-ROOFING AND REPAIR PROJECTS REBID****PROJECT 16059-A****SECTION 016000  
PRODUCT REQUIREMENTS****PART 1 - GENERAL****1.1 SUMMARY**

- A. This Section includes administrative and procedural requirements for selection of products for use in Project; product delivery, storage, and handling; manufacturers' standard warranties on products; special warranties; product substitutions; and comparable products.
- B. See Division 01 Section "Closeout Procedures" for submitting warranties for Contract closeout.
- C. See Divisions 02 through 07 Sections for specific requirements for warranties on products and installations specified to be warranted.

**1.2 DEFINITIONS**

- A. Products: Items purchased for incorporating into the Work, whether purchased for Project or taken from previously purchased stock. The term "product" includes the terms "material," "equipment," "system," and terms of similar intent.
  - 1. Named Products: Items identified by manufacturer's product name, including make or model number or other designation shown or listed in manufacturer's published product literature, that is current as of date of the Contract Documents.
  - 2. New Products: Items that have not previously been incorporated into another project or facility, except that products consisting of recycled-content materials are allowed, unless explicitly stated otherwise. Products salvaged or recycled from other projects are not considered new products.
  - 3. Comparable Product: Product that is demonstrated and approved through submittal process, or where indicated as a product substitution, to have the indicated qualities related to type, function, dimension, in-service performance, physical properties, appearance, and other characteristics that equal or exceed those of specified product.
- B. Substitutions: Changes in products, materials, equipment, and methods of construction from those required by the Contract Documents and proposed by Contractor.
- C. Basis-of-Design Product Specification: Where a specific manufacturer's product is named and accompanied by the words "basis of design," including make or model number or other designation, to establish the significant qualities related to type, function, dimension, in-service performance, physical properties, appearance, and other characteristics for purposes of evaluating comparable products of other named manufacturers.

**1.3 SUBMITTALS**

- A. Substitution Requests: Submit three copies of each request for consideration. Identify product or fabrication or installation method to be replaced. Include Specification Section number and title and Drawing numbers and titles.

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1. Substitution Request Form: Use form provided by Owner.
  2. Documentation: Show compliance with requirements for substitutions and the following, as applicable:
    - a. Statement indicating why specified material or product cannot be provided.
    - b. Coordination information, including a list of changes or modifications needed to other parts of the Work and to construction performed by Owner and separate contractors, that will be necessary to accommodate proposed substitution.
    - c. Detailed comparison of significant qualities of proposed substitution with those of the Work specified. Significant qualities may include attributes such as performance, weight, size, durability, visual effect, and specific features and requirements indicated.
    - d. Product Data, including drawings and descriptions of products and fabrication and installation procedures.
    - e. Samples, where applicable or requested.
    - f. List of similar installations for completed projects with project names and addresses and names and addresses of architects and owners.
    - g. Material test reports from a qualified testing agency indicating and interpreting test results for compliance with requirements indicated.
    - h. Research/evaluation reports evidencing compliance with building code in effect for Project, from a model code organization acceptable to authorities having jurisdiction.
    - i. Detailed comparison of Contractor's Construction Schedule using proposed substitution with products specified for the Work, including effect on the overall Contract Time. If specified product or method of construction cannot be provided within the Contract Time, include letter from manufacturer, on manufacturer's letterhead, stating lack of availability or delays in delivery.
    - j. Cost information, including a proposal of change, if any, in the Contract Sum.
    - k. Contractor's certification that proposed substitution complies with requirements in the Contract Documents and is appropriate for applications indicated.
    - l. Contractor's waiver of rights to additional payment or time that may subsequently become necessary because of failure of proposed substitution to produce indicated results.
  3. Architect's Action: If necessary, Architect will request additional information or documentation for evaluation within 7 days of receipt of a request for substitution. Architect will notify Contractor of acceptance or rejection of proposed substitution within 15 days of receipt of request, or 7 days of receipt of additional information or documentation, whichever is later.
    - a. Form of Acceptance: Change Order.
    - b. Use product specified if Architect cannot make a decision on use of a proposed substitution within time allocated.
- B. Comparable Product Requests:** Submit three copies of each request for consideration. Identify product or fabrication or installation method to be replaced. Include Specification Section number and title and Drawing numbers and titles.
1. Architect's Action: If necessary, Architect will request additional information or documentation for evaluation within one week of receipt of a comparable product request. Architect will notify Contractor of approval or rejection of proposed

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comparable product request within 15 days of receipt of request, or 7 days of receipt of additional information or documentation, whichever is later.

- a. Form of Approval: As specified in Division 01 Section "Submittal Procedures."
- b. Use product specified if Architect cannot make a decision on use of a comparable product request within time allocated.

- C. Basis-of-Design Product Specification Submittal: Comply with requirements in Division 01 Section "Submittal Procedures." Show compliance with requirements.

**1.4 QUALITY ASSURANCE**

- A. Compatibility of Options: If Contractor is given option of selecting between two or more products for use on Project, product selected shall be compatible with products previously selected, even if previously selected products were also options.

**1.5 PRODUCT DELIVERY, STORAGE, AND HANDLING**

- A. Deliver, store, and handle products using means and methods that will prevent damage, deterioration, and loss, including theft. Comply with manufacturer's written instructions.

- B. Delivery and Handling:

1. Schedule delivery to minimize long-term storage at Project site and to prevent overcrowding of construction spaces.
2. Coordinate delivery with installation time to ensure minimum holding time for items that are flammable, hazardous, easily damaged, or sensitive to deterioration, theft, and other losses.
3. Deliver products to Project site in an undamaged condition in manufacturer's original sealed container or other packaging system, complete with labels and instructions for handling, storing, unpacking, protecting, and installing.
4. Inspect products on delivery to ensure compliance with the Contract Documents and to ensure that products are undamaged and properly protected.

- C. Storage:

1. Store products to allow for inspection and measurement of quantity or counting of units.
2. Store materials in a manner that will not endanger Project structure.
3. Store products that are subject to damage by the elements, under cover in a weather tight enclosure above ground, with ventilation adequate to prevent condensation.
4. Store cementitious products and materials on elevated platforms.
5. Store foam plastic from exposure to sunlight, except to extent necessary for period of installation and concealment.
6. Comply with product manufacturer's written instructions for temperature, humidity, ventilation, and weather-protection requirements for storage.
7. Protect stored products from damage and liquids from freezing.

**1.6 PRODUCT WARRANTIES**

- A. Warranties specified in other Sections shall be in addition to, and run concurrent with, other warranties required by the Contract Documents. Manufacturer's disclaimers and limitations

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on product warranties do not relieve Contractor of obligations under requirements of the Contract Documents.

1. **Manufacturer's Warranty:** Preprinted written warranty published by individual manufacturer for a particular product and specifically endorsed by manufacturer to Owner.
  2. **Special Warranty:** Written warranty required by or incorporated into the Contract Documents, either to extend time limit provided by manufacturer's warranty or to provide more rights for Owner.
- B. **Special Warranties:** Prepare a written document that contains appropriate terms and identification, ready for execution. Submit a draft for approval before final execution.
1. **Manufacturer's Standard Form:** Modified to include Project-specific information and properly executed.
  2. **Specified Form:** When specified forms are included with the Specifications, prepare a written document using appropriate form properly executed.
  3. **Refer to Divisions 2 through 16 Sections** for specific content requirements and particular requirements for submitting special warranties.
- C. **Submittal Time:** Comply with requirements in Division 01 Section "Closeout Procedures."

**PART 2 - PRODUCTS****2.1 PRODUCT SUBSTITUTIONS**

- A. **Timing:** Architect will consider requests for substitution if received within 6 days after the Notice of Award. Requests received after that time may be considered or rejected at discretion of Architect.
- B. **Conditions:** Architect will consider Contractor's request for substitution when the following conditions are satisfied. If the following conditions are not satisfied, Architect will return requests without action, except to record noncompliance with these requirements:
1. Requested substitution offers Owner a substantial advantage in cost, time, energy conservation, or other considerations, after deducting additional responsibilities Owner must assume. Contractor's additional responsibilities may include compensation to City of Fort Lauderdale for redesign and evaluation services, increased cost of other construction by Owner, and similar considerations.
  2. Requested substitution does not require extensive revisions to the Contract Documents.
  3. Requested substitution is consistent with the Contract Documents and will produce indicated results.
  4. Substitution request is fully documented and properly submitted.
  5. Requested substitution will not adversely affect Contractor's Construction Schedule.
  6. Requested substitution has received necessary approvals of authorities having jurisdiction.
  7. Requested substitution is compatible with other portions of the Work.
  8. Requested substitution has been coordinated with other portions of the Work.
  9. Requested substitution provides specified warranty.

**LOW SLOPE RE-ROOFING AND REPAIR PROJECTS REBID****PROJECT 16059-A****2.2 COMPARABLE PRODUCTS**

- A. Conditions: Architect will consider Contractor's request for comparable product when the following conditions are satisfied. If the following conditions are not satisfied, Architect will return requests without action, except to record noncompliance with these requirements:
1. Evidence that the proposed product does not require extensive revisions to the Contract Documents, that it is consistent with the Contract Documents and will produce the indicated results, and that it is compatible with other portions of the Work.
  2. Detailed comparison of significant qualities of proposed product with those named in the Specifications. Significant qualities include attributes such as performance, weight, size, durability, visual effect, and specific features and requirements indicated.
  3. List of similar installations for completed projects with project names and addresses and names and addresses of architects and owners, if requested.
  4. Samples, if requested.

**PART 3 - EXECUTION (Not Used)****END OF SECTION 016000**

**LOW SLOPE RE-ROOFING AND REPAIR PROJECTS REBID****PROJECT 16059-A****SECTION 017700  
CLOSEOUT PROCEDURES AND SUBMITTALS****PART 1 - GENERAL****1.1 SUMMARY**

- A. This Section includes administrative and procedural requirements for contract closeout, including, but not limited to, the following:
  - 1. Inspection procedures.
  - 2. Warranties.
  - 3. Final cleaning.
- B. See Division 01 Section "Payment Procedures" for requirements for Applications for Payment for Substantial and Final Completion.
- C. See Division 01 Section "Project Record Documents" for submitting Record Drawings, Record Specifications, and Record Product Data.
- D. See Divisions 02 through 07 Sections for specific closeout and special cleaning requirements for the Work in those Sections.

**1.2 SUBSTANTIAL COMPLETION**

- A. Preliminary Procedures: Before requesting inspection for determining date of Substantial Completion, complete the following. List items below that are incomplete in request.
  - 1. Prepare a list of items to be completed and corrected (punch list), the value of items on the list, and reasons why the Work is not complete.
  - 2. Advise Owner of pending insurance changeover requirements.
  - 3. Submit specific warranties, workmanship bonds, maintenance service agreements, final certifications, and similar documents.
  - 4. Obtain and submit releases permitting Owner unrestricted use of the Work and access to services and utilities.
  - 5. Prepare and submit Project Record Documents, maintenance manuals, and similar final record information.
  - 6. Deliver tools, spare parts, extra materials, and similar items to location designated by Owner. Label with manufacturer's name and model number where applicable.
  - 7. Terminate and remove temporary facilities from Project site, along with mockups, construction tools, and similar elements.
  - 8. Complete final cleaning requirements, including touchup painting.
  - 9. Touch up and otherwise repair and restore marred exposed finishes to eliminate visual defects.
- B. Inspection: Submit a written request for inspection for Substantial Completion. On receipt of request, Architect will either proceed with inspection or notify Contractor of unfulfilled requirements. Architect will prepare the Certificate of Substantial Completion after inspection or will notify Contractor of items, either on Contractor's list or additional items identified by Architect, that must be completed or corrected before certificate will be issued.

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1. Reinspection: Request reinspection when the Work identified in previous inspections as incomplete is completed or corrected.
2. Results of completed inspection will form the basis of requirements for Final Completion.

**1.3 FINAL COMPLETION**

- A. Preliminary Procedures: Before requesting final inspection for determining date of Final Completion, complete the following: Revise five subparagraphs below to match the Supplementary Conditions.
1. Submit a final Application for Payment according to Division 01 Section "Payment Procedures."
  2. Submit certified copy of Architect's Substantial Completion inspection list of items to be completed or corrected (punch list), endorsed and dated by Architect. The certified copy of the list shall state that each item has been completed or otherwise resolved for acceptance.
  3. Submit evidence of final, continuing insurance coverage complying with insurance requirements.
  4. Instruct Owner's personnel in operation, adjustment, and maintenance of products, equipment, and systems.
- B. Inspection: Submit a written request for final inspection for acceptance. On receipt of request, Architect will either proceed with inspection or notify Contractor of unfulfilled requirements. Architect will prepare a final Certificate for Payment after inspection or will notify Contractor of construction that must be completed or corrected before certificate will be issued.
1. Reinspection: Request reinspection when the Work identified in previous inspections as incomplete is completed or corrected.

**1.4 LIST OF INCOMPLETE ITEMS (PUNCH LIST)**

- A. Preparation: Submit three copies of list. Include name and identification of each space and area affected by construction operations for incomplete items and items needing correction including, if necessary, areas disturbed by Contractor that are outside the limits of construction.

**1.5 WARRANTIES**

- A. Submittal Time: Submit written warranties on request of Architect.
- B. Organize warranty documents into an orderly sequence based on the table of contents of the Project Manual.
1. Bind warranties and bonds in heavy-duty, 3-ring, vinyl-covered, loose-leaf binders, thickness as necessary to accommodate contents, and sized to receive **8-1/2-by-11-inch (215-by-280-mm)** paper.
  2. Provide heavy paper dividers with plastic-covered tabs for each separate warranty. Mark tab to identify the product or installation. Provide a typed description of the

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- product or installation, including the name of the product and the name, address, and telephone number of Installer.
3. Identify each binder on the front and spine with the typed or printed title "WARRANTIES," Project name, and name of Contractor.
- C. Provide additional copies of each warranty to include in operation and maintenance manuals.

**PART 2 - PRODUCTS (NOT USED)****PART 3 - EXECUTION****3.1 FINAL CLEANING**

- A. General: Provide final cleaning. Conduct cleaning and waste-removal operations to comply with local laws and ordinances and Federal and local environmental and antipollution regulations.
- B. Cleaning: Employ experienced workers or professional cleaners for final cleaning. Clean each surface or unit to condition expected in an average commercial building cleaning and maintenance program. Comply with manufacturer's written instructions.
  1. Complete the following cleaning operations before requesting inspection for certification of Substantial Completion for entire Project or for a portion of Project:
    - a. Clean Project site, yard, and grounds, in areas disturbed by construction activities, including landscape development areas, of rubbish, waste material, litter, and other foreign substances.
    - b. Sweep areas broom clean. Remove petrochemical spills, stains, and other foreign deposits.
    - c. Remove tools, construction equipment, machinery, and surplus material from Project site.
    - d. Clean exposed exterior and interior hard-surfaced finishes to a dirt-free condition, free of stains, films, and similar foreign substances. Avoid disturbing natural weathering of exterior surfaces. Restore reflective surfaces to their original condition.
    - e. Remove debris and surface dust from limited access spaces, including roofs, and similar spaces.
    - f. Touch up and otherwise repair and restore marred, exposed finishes and surfaces. Replace finishes and surfaces that cannot be satisfactorily repaired or restored or that already show evidence of repair or restoration.
      - 1) Do not paint over "UL" and similar labels, including mechanical and electrical nameplates.
    - g. Wipe surfaces of mechanical and electrical equipment and similar equipment.
    - h. Leave Project clean and ready for occupancy.
- C. Comply with safety standards for cleaning. Do not burn waste materials. Do not bury debris or excess materials on Owner's property. Do not discharge volatile, harmful, or dangerous materials into drainage systems. Remove waste materials from Project site and dispose of lawfully.

**END OF SECTION 017700**

**LOW SLOPE RE-ROOFING AND REPAIR PROJECTS REBID****PROJECT 16059-A****SECTION 024119  
SELECTIVE DEMOLITION****PART 1 - GENERAL****1.1 SUMMARY**

- A. This Section includes the following:
  - 1. Demolition and removal of selected portions of building or structure.
  - 2. Demolition and removal of selected site elements.
  - 3. Salvage of existing items to be reused or recycled.
- B. See Division 01 Section "Construction Waste Management and Disposal" for disposal of demolished materials.

**1.2 DEFINITIONS**

- A. Remove: Detach items from existing construction and legally dispose of them off-site, unless indicated to be removed and salvaged or removed and reinstalled.
- B. Existing to Remain: Existing items of construction that are not to be removed and that are not otherwise indicated to be removed, removed and salvaged, or removed and reinstalled.

**1.3 SUBMITTALS**

- A. Schedule of Selective Demolition Activities: Indicate detailed sequence of selective demolition and removal work, with starting and ending dates for each activity, interruption of utility services, use of elevator and stairs, and locations of temporary partitions and means of egress.
- B. Predemolition Photographs: Show existing conditions of adjoining construction and site improvements, including finish surfaces that might be misconstrued as damage caused by selective demolition operations.
- C. Landfill Records: Indicate receipt and acceptance of hazardous wastes by a landfill facility licensed to accept hazardous wastes.
  - 1. Comply with submittal requirements in Division 01 Section "Construction Waste Management and Disposal."

**1.4 QUALITY ASSURANCE**

- A. Demolition Firm Qualifications: An experienced firm that has specialized in demolition work similar in material and extent to that indicated for this Project.

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- B. Regulatory Requirements: Comply with governing EPA notification regulations before beginning selective demolition. Comply with hauling and disposal regulations of authorities having jurisdiction.
- C. Standards: Comply with ANSI A10.6 and NFPA 241.
- D. Predemolition Conference: Conduct conference at Project site.

**1.5 PROJECT CONDITIONS**

- A. Owner will occupy portions of building immediately adjacent to selective demolition area. Conduct selective demolition so Owner's operations will not be disrupted.
- B. Conditions existing at time of inspection for bidding purpose will be maintained by Owner as far as practical.
- C. Notify Architect of discrepancies between existing conditions and Drawings before proceeding with selective demolition.
- D. Hazardous Materials: Hazardous materials may be present at certain locations in construction to be selectively demolished. A report on the presence of hazardous materials is on file for review and use for each project containing such materials. Examine report to become aware of locations where hazardous materials are present.
  - 1. Hazardous material remediation is specified elsewhere in the Contract Documents.
  - 2. Do not disturb hazardous materials or items suspected of containing hazardous materials except under procedures specified elsewhere in the Contract Documents.
- E. Storage or sale of removed items or materials on-site is not permitted.
- F. Utility Service: Maintain existing utilities indicated to remain in service and protect them against damage during selective demolition operations.
  - 1. Maintain fire-protection facilities in service during selective demolition operations.

**1.6 WARRANTY**

- A. Existing Warranties: Remove, replace, patch, and repair materials and surfaces cut or damaged during selective demolition, by methods and with materials so as not to void existing warranties.

**PART 2 - PRODUCTS (Not Used)**

**LOW SLOPE RE-ROOFING AND REPAIR PROJECTS REBID****PROJECT 16059-A****PART 3 - EXECUTION****3.1 EXAMINATION**

- A. Survey existing conditions and correlate with requirements indicated to determine extent of selective demolition required.
- B. Inventory and record the condition of items to be removed and reinstalled and items to be removed and salvaged.
- C. When unanticipated mechanical, electrical, or structural elements that conflict with intended function or design are encountered, investigate and measure the nature and extent of conflict. Promptly submit a written report to Architect.
- D. Engage a professional engineer to survey condition of building to determine whether removing any element might result in structural deficiency or unplanned collapse of any portion of structure or adjacent structures during selective demolition operations.
- E. Survey of Existing Conditions: Record existing conditions by use of preconstruction photographs.

**3.2 UTILITY SERVICES AND MECHANICAL/ELECTRICAL SYSTEMS**

- A. Existing Services/Systems: Maintain services/systems indicated to remain and protect them against damage during selective demolition operations.

**3.3 PREPARATION**

- A. Site Access and Temporary Controls: Conduct selective demolition and debris-removal operations to ensure minimum interference with roads, streets, walks, walkways, and other adjacent occupied and used facilities.
  - 1. Comply with requirements for access and protection specified in Division 01 Section "Temporary Facilities and Controls."
- B. Temporary Facilities: Provide temporary barricades and other protection required to prevent injury to people and damage to adjacent buildings and facilities to remain.

**3.4 SELECTIVE DEMOLITION**

- A. General: Demolish and remove existing construction only to the extent required by new construction and as indicated. Use methods required to complete the Work within limitations of governing regulations and as follows:
  - 1. Neatly cut openings and holes plumb, square, and true to dimensions required. Use cutting methods least likely to damage construction to remain or adjoining construction. Use hand tools or small power tools designed for sawing or grinding, not hammering

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- and chopping, to minimize disturbance of adjacent surfaces. Temporarily cover openings to remain.
2. Cut or drill from the exposed or finished side into concealed surfaces to avoid marring existing finished surfaces.
  3. Do not use cutting torches until work area is cleared of flammable materials. At concealed spaces, such as duct and pipe interiors, verify condition and contents of hidden space before starting flame-cutting operations. Maintain fire watch and portable fire-suppression devices during flame-cutting operations.
  4. Locate selective demolition equipment and remove debris and materials so as not to impose excessive loads on supporting walls, floors, or framing.
  5. Dispose of demolished items and materials promptly. Comply with requirements in Division 01 Section "Construction Waste Management and Disposal."
- B. Existing Items to Remain: Protect construction indicated to remain against damage and soiling during selective demolition. When permitted by Architect, items may be removed to a suitable, protected storage location during selective demolition and cleaned and reinstalled in their original locations after selective demolition operations are complete.

**3.5 DISPOSAL OF DEMOLISHED MATERIALS**

General: Except for items or materials indicated to be recycled, reused, salvaged, reinstalled, or otherwise indicated to remain Owner's property, remove demolished materials from

- A. Project site and legally dispose of them in an EPA-approved landfill.
  1. Comply with requirements specified in Division 01 Section "Construction Waste Management and Disposal."
- B. Burning: Do not burn demolished materials.
- C. Disposal: Transport demolished materials off Owner's property and legally dispose of them.

**3.6 CLEANING**

- A. Clean adjacent structures and improvements of dust, dirt, and debris caused by selective demolition operations. Return adjacent areas to condition existing before selective demolition operations began.

**END OF SECTION 024119**

**LOW SLOPE RE-ROOFING AND REPAIR PROJECTS REBID****PROJECT 16059-A****SECTION 028200  
ASBESTOS REMEDIATION****PART 1 - GENERAL****1.1 SUMMARY**

A. This Section includes the following:

1. Demolition and removal of selected portions of building or structure as identified in the asbestos reports concerning some city buildings. Some existing roofing to be removed contain asbestos as indicated in the reports.

**1.2 DEFINITIONS**

- A. Remove: Detach items from existing construction and legally dispose of them off-site.
- B. Division 2 Selective Structure Demolition.
- C. Existing to Remain: Existing items of construction that are not to be removed and that are not otherwise indicated to be removed, removed and salvaged, or removed and reinstalled.

**1.3 SUBMITTALS**

- A. Schedule of Selective Demolition Activities: Indicate detailed sequence of selective demolition and removal work, with starting and ending dates for each activity, interruption of utility services, use of elevator and stairs, and locations of temporary partitions and means of egress.
- B. Predemolition Photographs: Show existing conditions of adjoining construction and site improvements, including finish surfaces, that might be misconstrued as damage caused by selective demolition operations.
- C. Landfill Records: Indicate receipt and acceptance of hazardous wastes by a landfill facility licensed to accept hazardous wastes.
  1. Comply with submittal requirements in Division 01 Section "Construction Waste Management and Disposal."

**1.4 QUALITY ASSURANCE**

- A. Demolition Firm Qualifications: An experienced firm that has specialized in demolition work similar in asbestos containing material and extent to that indicated for this Project.
- B. Regulatory Requirements: Comply with governing EPA notification regulations before beginning selective demolition. Comply with hauling and disposal regulations of authorities having jurisdiction.

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- C. Standards: Comply with ANSI A10.6 and NFPA 241.
- D. Predemolition Conference: Conduct conference at Project site.

**1.5 PROJECT CONDITIONS**

- A. Owner will occupy portions of building immediately adjacent to selective demolition area. Conduct selective demolition so Owner's operations will not be disrupted.
- B. Notify Architect of discrepancies between existing conditions and Drawings before proceeding with selective demolition.
  - 1. If additional areas suspected of containing hazardous materials are encountered, do not disturb; immediately notify Architect. City of Fort Lauderdale will verify hazardous materials and modify contract as appropriate to cover additional work.
- C. Hazardous Materials: Hazardous materials are present in some construction sites to be selectively demolished. A report on the presence of hazardous materials is on file for review and use. Examine report to become aware of locations where hazardous materials are present.
  - 1. Do not disturb hazardous materials or items suspected of containing hazardous materials except under procedures specified elsewhere in the Contract Documents.

**1.6 WARRANTY**

- A. Existing Warranties: Remove, replace, patch, and repair materials and surfaces cut or damaged during selective demolition, by methods and with materials so as not to void existing warranties.

**PART 2 - EXECUTION****2.1 EXAMINATION**

- A. Survey existing conditions and correlate with requirements indicated to determine extent of selective demolition required.
- B. Survey of Existing Conditions: Record existing conditions by use of preconstruction photographs.
  - 1. Comply with requirements specified in Division 01 Section "Construction Progress Documentation."
- C. Existing Services/Systems: Maintain services/systems indicated to remain and protect them against damage during selective demolition operations.

**LOW SLOPE RE-ROOFING AND REPAIR PROJECTS REBID****PROJECT 16059-A****2.2 PREPARATION**

- A. Site Access and Temporary Controls: Conduct selective demolition and debris-removal operations to ensure minimum interference with roads, streets, walks, walkways, and other adjacent occupied and used facilities. Comply with requirements for access and protection specified in Division 01 Section "Temporary Facilities and Controls."
- B. Temporary Facilities: Provide temporary barricades and other protection required to prevent injury to people and damage to adjacent buildings and facilities to remain.
  - 1. Dispose of demolished items and materials promptly. Clean salvaged items.
- C. Existing Items to Remain: Protect construction indicated to remain against damage and soiling during selective demolition. When permitted by Architect, items may be removed to a suitable, protected storage location during selective demolition and cleaned and reinstalled in their original locations after selective demolition operations are complete.

**2.3 DISPOSAL OF DEMOLISHED MATERIALS**

- A. General: remove demolished materials from Project site and legally dispose of them in an EPA-approved landfill.
  - 1. Comply with requirements specified in Division 01 Section "Construction Waste Management and Disposal."
- B. Disposal: Transport demolished materials off Owner's property and legally dispose of them.

**2.4 CLEANING**

- A. Clean adjacent structures and improvements of dust, dirt, and debris caused by selective demolition operations. Return adjacent areas to condition existing before selective demolition operations began.

**END OF SECTION 028200**

**LOW SLOPE RE-ROOFING AND REPAIR PROJECTS REBID****PROJECT 16059-A****SECTION 075200  
MODIFIED BITUMEN ROOFING****PART 1 GENERAL****1.1 SECTION INCLUDES**

- A. Anchor Sheet, Base Sheet, Interply Sheets and Roofing Membrane.
- B. Flashing Collar (non-metallic).
- C. Traffic Walkway.
- D. Flexible (non-metallic) Flashing.
- E. Rigid Roof Insulation.
- F. Metal Flashing and Counter flashing.
- G. Cants.
- H. Sealant for roof area.
- I. Related work in other Sections
  - 1. Section 07050 – Roof Preparation and Removal

**1.2 REFERENCE STANDARDS**

- A. ASTM C165 - Measuring Compressive Properties of Thermal Insulation.
- B. ASTM D41 - Asphalt Primer Used in Roofing and Waterproofing.
- C. ASTM D312 - Asphalt Used in Roofing.
- D. ASTM D4601 - Asphalt Coated Glass Fiber Base Sheet Used in Roofing.
- E. ASTM D5147 - Methods and Testing for Modified Bitumen Roofing Felts.
- F. FM - Factory Mutual.
- G. FS – Federal Specifications.
- H. Florida Building Code Roofing Application Standard (RAS) 150

**1.3 QUALITY ASSURANCE**

- A. Roofing Manufacturer: Roofing system and insulation shall consist of materials and components supplied by a single Manufacturer with a minimum of ten (10) years successful experience in this type of work for a non-prorated, "single source", No-Dollar-Limit (NDL) Guarantee and responsibility.

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- B. Roofing Contractor: Roofing work shall be performed by a firm certified and approved in writing by the Roofing Manufacturer for specified guarantee and have a minimum five (5) years successful experience in this type of work.
- C. Pre-Installation Conference: Prior to starting roofing work, the Roofing Manufacturer's Representative shall meet with the General Contractor, the Roofing Contractor, the City Engineering Inspector and the Architect at the job site for a start-up review and instruction period. The General Contractor shall record minutes of the meeting and transmit a copy to the Architect.
- D. Inspection at Completion: Upon completion of the installation, an inspection shall be conducted by an Authorized Technical Representative of the Roofing Manufacturer to verify that the roofing system has been installed to the Roofing Manufacturer's most current specifications and details and a written guarantee shall be issued.
- E. Deviations from Specifications: There shall be NO DEVIATIONS from this specification and the Roofing Manufacturer's approved specification without PRIOR WRITTEN approval of the Architect and the Roofing Manufacturer.
- F. Codes: The Roofing system and insulation shall comply with all requirements of the Florida Building Code. Any detail condition not specifically covered by drawing detail shall be submitted to the Architect for approval and be acceptable by the manufacturer for all the warranties and guarantees described.
- G. See "Applicable Codes and Standards" in city's Standard Specification.

**1.4 SUBMITTALS**

Submit the following in accordance with Section 01340, "Submittals". Work shall not commence until all submittals have been approved by the Architect.

- A. Specimen of Roofing Guarantee: Prior to executing contracts or before as noted.
- B. Specimen of Sheet Metal Warranty: Prior to executing contracts or before as noted.
- C. Insulation Layout Shop Drawing and Anchorage: In accordance with the requirements of the Building Code.
- D. Sheet Metal Details and Anchorage: In accordance with the requirements of the Building Code.
- E. Miami-Dade Notice of Acceptance: With list of all materials, method of application and spacing patterns of anchors.
- F. Roofing Manufacturer's Product Data: Indicating full compliance with requirements of this section, including installation specifications. Data must be clearly marked to identify all materials and accessories, which the Roofing Manufacturer approves as being a complete roofing system guaranteed as a "single source" system for compliance with this section.

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- G. Qualification Letter: From the Roofing Manufacturer clearly describing the Roofing Contractor's certification as required under Quality Assurance in this section.
- H. Certification Letter: From the Roofing Manufacturer certifying that all materials meet or exceed specified requirements and guarantee.
- I. Twenty-four (24) Hour Telephone Number: Provide the Architect with a twenty-four (24) hour telephone number in case a problem arises after working hours during the course of construction.
- J. Watertight Letter: From the Roofing Contractor explaining how the building will remain watertight during the entire roofing replacement operation.
- K. Guarantee and Maintenance Requirements:
  - 1. Provide a complete list of ongoing maintenance procedures.
  - 2. Provide a list of telephone numbers, procedures and persons to contact should a leak or damage occur.
- L. Samples:
  - 1. Three (3) inch x five (5) inch samples of the roofing and flashing sheets.
  - 2. Samples of exact anchoring devices to be used.
  - 3. Twelve (12) inch long samples of exact sheet metal pieces to be used.
  - 4. Full size sample of exact metal emergency overflow scupper to be used.

**1.5 DELIVERY, HANDLING AND STORAGE**

- A. Delivery: Deliver to the job site all materials in quantities required to allow continuity of application. All materials to be in the Manufacturer's original undamaged containers, wrappings and/or boxes bearing legible Manufacturer's identifying marks (i.e., material name, instructions, lot numbers and similar information) and approved testing agency labels.
- B. Storage: Store materials out of direct exposure to the elements and in accordance with Section 01610, "Delivery, Handling, and Storage."
  - 1. Store all roofing materials on pallets off the ground by not less than four (4) inches, in a dry location, with a weather protective covering properly tied down. Use a "breathable" type covering such as a canvas tarpaulin. Polyethylene, plastic or other "non-breathable" coverings are not acceptable.
  - 2. Store rolled goods on end. Do not double stack.
  - 3. Store roof materials on roof deck in a manner so as to preclude overloading of deck and building structure.
  - 4. Protect materials from damage.
  - 5. Store materials such as solvents, adhesives and asphalt cutback products away from open flames, sparks or excessive heat.
- C. Handling: Handle all materials in such a manner as to preclude damage and contamination with moisture or foreign matter. Handle rolled goods to prevent damage to edges or end.

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- D. Damaged Material: Materials that are found to be damaged or stored in any manner other than stated above will be rejected, removed and replaced at the Contractor's expense.
- E. Stored Material: The City will not pay for stored material.

**1.6 ENVIRONMENTAL REQUIREMENTS**

- A. Precipitation: Do not install roofing materials when moisture, in any form, is present on the substrate to which the roofing materials are to be applied, when foaming of hot asphalt occurs, during precipitation or if there is a probability of precipitation during application. Take precautions to ensure that applied roofing and building materials are protected from possible moisture damage or contamination.
- B. Asphalt Temperature Restrictions: Special precautions shall be taken to ensure that the specified asphalt maintains a minimum acceptable four hundred twenty-five (425) degrees Fahrenheit (with a target temperature of four hundred fifty (450) degrees Fahrenheit) at the point of sheet application. Asphalt shall not be heated over five hundred (500) degrees Fahrenheit at the kettle.

**1.7 GUARANTEES AND WARRANTIES**

- A. Roofing System and Insulation Guarantee: Roofing system and insulation shall be non-prorated, "single source," No-Dollar-Limit (NDL) guaranteed, in a single document, against leaking by the Roofing Manufacturer and Certified Applicator for a period of not less than ten (10) years from the date of acceptance. The guarantee shall be issued at no additional cost to the City.
- B. Sheet Metal Warranty: The Roofing Contractor shall provide a five (5) year warranty on all new sheet metal. On the Roofing Contractor's letterhead, provide the following information and/or statements:
  1. Address the letter to the City of Fort Lauderdale, 100 North Andrews Avenue, Fort Lauderdale, Florida, 33302.
  2. RE: Five (5) Year Leak Service Warranty on Sheet Metal Work.
  3. Identify the work by the Project Number, the Project's Name and the street address as noted on these specifications.
  4. This letter is to serve as notification of our service warranty covering the sheet metal work, fasteners and installation on the above noted Project without further cost to the City, as follows:
  5. This warranty period starts from the date of contract completion and acceptance by the City of Fort Lauderdale and runs for a five (5) year period from the acceptance date.
  6. This warranty covers joint separation, leakage at respective joints of metal and visible detachment due to expansion at respective wood nailers and/or at other metal flashing attachments.
  7. At any time during the life of the warranty, upon proper notice in writing by a City Representative, our firm will respond and repair any and all defects in the sheet metal flashing material, workmanship or any defects that may be attributable to sheet metal work installed by our firm.
  8. Any alteration, attachment of objects or items to our work by others is not part of this service warranty and will void any and all warranty coverage by our firm.

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9. Signed, notarized, name of signer, title and date.

**PART 2 PRODUCTS****2.1 MANUFACTURER**

- A. Roofing System and Insulation: GAF Material Corporation, RUBEROID I-3-1-MGP, modified bitumen roofing system with Flashing Design 2XMM for installation over GAFTEMP Isotherm and Tapered Isotherm insulation, complete with all accessories as approved by the Roofing Manufacturer to comply with a Class "B" fire classification, the Building Code, the Miami-Dade Notice of Acceptance and the specified non-prorated, "single source", NDL guarantee.
- B. Alternate Manufacturers of the similar SBS Modified Bitumen system specified above may be considered by the Architect if he considers the alternate manufacturers' product to be acceptable. The roof system components, warranties, guarantees and accessories as specified must be substantially the same to be considered.

**2.2 ROOFING SYSTEM**

- A. Anchor Sheet: GAF Materials Corporation, GAFGLAS #75 Base Sheet, complying with ASTM D-4601, Type II.
- B. Base Sheet: GAF Materials Corporation, GAFGLAS STRATAVENT Eliminator Perforated Venting Base Sheet, complying with ASTM D-4897 Type II.
- C. Interply Sheet: GAF Materials Corporation, GAFGLAS FlexPly 6 Ply Felt, complying with ASTM D-2178 Type VI.
- D. Roofing Membrane: GAF Materials Corporation, RUBEROID MOP PLUS (white granules), complying with ASTM D-6164, Type II, Grade G.
- E. Strip Flashing (Flashing Collar): GAF Materials Corporation, RUBEROID MOP PLUS (white granules), complying with ASTM D-6164, Type II, Grade G.
- F. Traffic Walkway:
  1. First Ply: GAF Materials Corporation, RUBEROID MOP (SMOOTH), complying with ASTM D-6164, Type I, Grade S.
  2. Second Ply (Surface Ply): GAF Materials Corporation, RUBEROID MOP PLUS (white granules), complying with ASTM D-6164, Type II, Grade G.
- G. Flexible (non-metallic) Flashing:
  1. First Ply: GAF Materials Corporation, RUBEROID MOP (SMOOTH), complying with ASTM D-6164, Type I, Grade S.
  2. Second Ply (Top Ply): GAF Materials Corporation, RUBEROID MOP PLUS (white granules), complying with ASTM D-6164, Type II, Grade G.
- H. Rigid Roof Insulation:

CS/rp/P16059-A Rebid/5

**LOW SLOPE RE-ROOFING AND REPAIR PROJECTS REBID****PROJECT 16059-A**

1. Flat Board: GAF Materials Corporation, GAFTEMP Isotherm, complying with ASTM C1289/FS HH-1-972, Class 1. NOT acceptable are board materials that deteriorate if submerged in water. Fiberboard or Perlite is NOT acceptable.
2. Tapered Board: GAF Materials Corporation, GAFTEMP Tapered Isotherm, complying with ASTM C1289/FS HH-1-972, Class 1. NOT acceptable are board materials that deteriorate if submerged in water. Fiberboard or Perlite is NOT acceptable.
3. Cricket Areas: GAF Materials Corporation, GAFTEMP Tapered Isotherm, complying with ASTM C1289/FS HH-1-972, Class 1. NOT acceptable are board materials that deteriorate if submerged in water. Fiberboard or Perlite is NOT acceptable.
4. Thickness: As indicated on drawings.
5. Insulation boards installed in hot asphalt shall have a maximum panel size of four (4) feet by four (4) feet.

**2.3 ROOFING ACCESSORIES**

- A. Asphalt: GAF Materials Corporation, Steep Roofing Asphalt Type IV complying with ASTM D-312.
- B. Bituminous Cutback Materials:
  1. Primer: GAF Materials Corporation, Asphalt/Concrete Primer, complying with ASTM D-41.
  2. Mastic: GAF Materials Corporation, RUBEROID Modified Flashing Cement, complying with ASTM D-4586, Type I.
- C. Metal Flashing and Counter flashing:
  1. Sheet Metal Flashing: Twenty-four (24) gauge stainless steel, unless otherwise noted. Fabricated in accordance with the "Architectural Sheet Metal Manual" published by the Sheet Metal and Air Conditioning Contractors National Association, Inc., "The NRCA Construction Details" published by the National Roofing Contractors Association, the Building Code and the Roofing Manufacturer's recommendations.
  2. Metal Drip Strip: .050" aluminum with three and one-half (3-1/2) inch flange and Kynar 500 finish to match existing metal roofing. Stainless steel .020" may be considered in some applications.
  3. Continuous Metal Cleat: .060" aluminum.
  4. Wall Counter flashing: Fry Reglet Corporation, .020" stainless steel, Type SM, Surface Mounted, Springlock Reglet and .020" stainless steel, Springlock Flashing as required to comply with the Building Code and the Miami-Dade Notice of Acceptance. Reglet and flashing shall have factory formed end laps and factory mitered and welded corners.
  5. Roofing Penetration Flashing:
    - a) Connected Items: This system shall be used only where the penetrating item does not allow flashing to be slipped over. S.B.C. Industries, twenty-six (26) gauge, stainless steel flashing system PL/D, P/D, C/D,

**LOW SLOPE RE-ROOFING AND REPAIR PROJECTS REBID****PROJECT 16059-A**

- SQT/D, RT/D, H/D, CH/D, I/D, A/D or U/D with standard accessory sealant cover. Size and type as required to fit penetrating item.
- b) Disconnected and/or New Items: This system shall be used only where the penetrating item will allow flashing to be slipped over. S.B.C. Industries, twenty-six (26) gauge, stainless steel flashing system PL/S, P/S, C/S, SQT/S, RT/S, H/S, CH/S, I/S, A/S or U/S with standard accessory sealant cover. Size and type as required to fit penetrating item.
6. Metal Coping Cap: MM Systems Corporation, Aluminum Snap-Lok Coping System with factory fabricated accessories such as mitered and welded corners and transitions. Coping, corners, transitions and splice plates shall have a Kynar 500 finish to match existing metal roofing. Style and gauge as required to fit existing parapets and to comply with the Building Code and the Miami-Dade Notice of Acceptance.
7. Plumbing Vents: Custom sized to fit existing vent pipes, one piece, two and one-half (2.5) pounds per square foot lead pipe flashing with minimum four (4) inch flange on roofing. Provide vent pipe extensions as required.
8. Roof Drains: Thirty (30) inches square, four (4) pounds per square foot lead flashing. Provide all new roof drain dome, screen ring clamp ring and all other damaged or missing parts for the existing roof drains to remain.
- D. Pipe Mounting Pedestal: Roof Products & Systems Corporation, RPS Pipe Mounting Pedestal with equipment rail, slide rail and pipe roller assembly. Roller size as required to fit pipe.
- E. Sealant: A single component, high performance, elastomeric sealant. Sonolastic NP 1 by Sonneborn Building Products; Minneapolis, MN, ASTM C920, FS TTS 0023C Type II C.
- F. Granules: GAF Materials Corporation, MINERAL SHIELD Granules. Mineral granules shall be of the same color as the granule surfacing of the roofing membrane.
- G. Cants: The same material as the insulation, closed cell type, one and one-half (1-1/2) inch minimum thickness. NOT acceptable are board materials that deteriorate if submerged in water. Fiberboard or Perlite is NOT acceptable.
- H. Anchor Sheet Fasteners: Provide anchor sheet fasteners in accordance with the Roofing Manufacturer's instructions to comply with the Building Code and the Miami-Dade Notice of Acceptance.

**PART 3 EXECUTION****3.1 PREPARATION**

- A. Existing Conditions: Prior to commencing work, visit the job site and verify all conditions that may in any way affect or prevent the proper execution of the work of this section and notify the City Engineering Inspector in writing. Do not proceed with any work until unsatisfactory conditions have been corrected in an acceptable manner.

**LOW SLOPE RE-ROOFING AND REPAIR PROJECTS REBID****PROJECT 16059-A**

- B. Existing Deck: Verify that the roof deck is dry, sound, clean and smooth, free of depressions, waves or projections. The Contractor shall survey the roof with the City Engineering Inspector to identify depressions, waves and projections. The Contractor shall fill in all voids and dips to prevent ponding, compensate any high spots and seal around all roof deck penetrations with metal bitumen dams.
- C. Sweep or vacuum all surfaces, removing foreign substances prior to commencement of roofing.
- D. Beginning of installation means acceptance of the surface of the substrates only.
- E. Existing building shall be kept watertight throughout the project's progress. The Contractor shall only remove and replace with new as much roofing as can be completed in one (1) working day. The Contractor shall provide a temporary watertight seal between existing roofing and new roofing at the end of each day.

**3.2 SUBSTRATE PREPARATION**

- A. Primer (Asphalt/Concrete Primer): Completely prime all masonry, concrete and metal surfaces with asphalt/concrete primer where insulation or roofing membranes are to be adhered. Primer shall be applied at the rate of one (1) to two (2) gallons per square or as required by the primer manufacturer. Allow the primer adequate time to dry.
- B. Anchor Sheet Application (GAFGLAS #75): Lay the anchor sheet over entire area to be roofed. Provide side laps of at least two (2) inches, end laps of at least six (6) inches and turn up vertical surfaces at least six (6) inches. Anchor to deck in accordance with the Roofing Manufacturer's instructions to comply with the Building Code and the Miami-Dade Notice of Acceptance. Comply with (RAS) 150 Table 1 for mechanical attachment.
- C. Insulation Application (GAFTEMP Isotherm and GAFTEMP Tapered Isotherm): Install four (4) foot by four (4) foot maximum insulation boards snug (do NOT kick into place) with staggered board joints in a full and uniform mopping of approved asphalt applied within the EVT range at the rate of twenty (20) to forty (40) pounds per square. Stagger the joints of each additional layer by as much as possible in relation to the insulation joints in the layer(s) below (minimum six (6) inch stagger) to eliminate continuous vertical gaps. At Tapered insulation and Cricket areas, all hip and valley panels must be mitered. Laced valleys are NOT acceptable. Construct to facilitate prompt and complete removal of water off of the roof deck. Apply in accordance with the Insulation Manufacturer's instructions to comply with the (RAS) 150 and the Miami-Dade Notice of Acceptance.
- D. Cant Strips (GAFTEMP Isotherm): Set closed cell type cants in a full mopping of approved asphalt.

**3.3 ROOFING MEMBRANE INSTALLATION**

- A. Aesthetic Considerations: An aesthetically pleasing overall appearance of the finished roofing application is a standard requirement for this project. The Contractor shall make necessary preparations, utilize recommended application techniques, apply the specified materials (i.e. granules, etc.) and exercise care in ensuring that the finished application is acceptable to the Architect.

**LOW SLOPE RE-ROOFING AND REPAIR PROJECTS REBID****PROJECT 16059-A**

- B. Roofing Application: Apply roofing in accordance with the Roofing Manufacturer's instructions to comply with (RAS) 150 and the Miami-Dade Notice of Acceptance. Application of roofing shall immediately follow application of insulation as a continuous operation. Coordinate installation of all roof related components prior to installing roofing membrane. Start the installation of all roofing plies at the low point of the roof. Cut out all manufacturing fabricated splices. Apply sheets smoothly without wrinkles, creases or fish mouths.
1. Base Sheet Application (GAFGLAS STRATAVENT Eliminator Perforated): Roll base sheet out dry, granule surface down, directly over insulation. Provide side laps of at least two (2) inches and end laps of at least four (4) inches. Stagger end laps of successive courses at least eighteen (18) inches apart. Provide perimeter venting by running the base sheet twelve (12) inches up vertical surfaces (unless detailed otherwise).
  2. Interply Sheet Application (GAFGLAS FlexPly 6): Install interply sheets in a full mopping of approved asphalt applied within the EVT range at the rate of twenty (20) to forty (40) pounds per square. Install starter strips of nine and seven-eighths (9-7/8) inch and twenty-nine and one-half (29-1/2) inch widths. Apply remaining plies of full thirty-nine and three-eighths (39-3/8) inch width with a maximum seven and seven-eighths (7-7/8) inch exposure, applied shingle style. Stagger end laps of successive courses at least eighteen (18) inches apart. Interply sheets to extend at least two (2) inches above cant. Laps shall have three-eighths (3/8) inch asphalt flow out to assure sound laps.
  3. Roofing Membrane Application (RUBEROID MOP PLUS): Install roofing membrane in a full mopping of approved asphalt applied at a rate of twenty-five (25) pounds per square, plus or minus fifteen (15) percent. Exert sufficient pressure on the roll during application to ensure the prevention of air pockets. Provide side laps of at least four (4) inches and end laps of at least six (6) inches. Stagger end laps of successive courses at least eighteen (18) inches apart. Membrane to extend at least two (2) inches above cant. Laps shall be rolled-in or walked-in immediately after installation and shall have three-eighths (3/8) inch asphalt flow out to assure sound laps. Broadcast mineral granules over all asphalt overruns on the roofing membrane surface, while the asphalt is still hot, to ensure a monolithic surface color.
- C. Base Flashing Application: Apply base flashing in accordance with the Roofing Manufacturer's instructions to comply with (RAS) 150 and the Miami-Dade Notice of Acceptance. Application of base flashing shall immediately follow application of roofing membrane as a continuous operation. Start the installation of all base flashing plies at the low point of the roof. Cut out all manufacturing fabricated splices. Apply sheets smoothly without wrinkles, creases or fish mouths.
1. First Ply (MOP SMOOTH): Install first ply to roofing membrane, cant and vertical surface in a solid mopping of hot asphalt applied at the rate of twenty-five (25) pounds per square, plus or minus fifteen (15) percent. Lap adjacent sheets at least six (6) inches. First ply to extend at least six (6) inches onto roofing membrane and twelve (12) inches up vertical surfaces (unless detailed otherwise). Laps shall have three-eighths (3/8) inch asphalt flow out to assure sound laps.
  2. Second Ply (Top Ply) (RUBEROID MOP PLUS): Install second ply to the first ply and roofing membrane in a solid mopping of hot asphalt applied at the rate

**LOW SLOPE RE-ROOFING AND REPAIR PROJECTS REBID****PROJECT 16059-A**

of twenty-five (25) pounds per square, plus or minus fifteen (15) percent. Lap adjacent sheets at least six (6) inches. Second ply laps shall offset first ply laps by at least six (6) inches. Second ply to extend at least six (6) inches onto roofing membrane pass the first ply and twelve (12) inches up vertical surfaces (unless detailed otherwise). Laps shall have three-eighths (3/8) inch asphalt flow out to assure sound laps. Broadcast mineral granules over all asphalt overruns on the second ply surface, while the asphalt is still hot, to ensure a monolithic surface color.

3. Fastening: Top edge of base flashing shall be fastened through one and one-half (1-1/2) inch diameter, twenty-four (24) gauge galvanized metal compression caps or a City Architect approved equal. Fasten at six (6) inches on center for heights up to twelve (12) inches. Fasten at four (4) inches on center for heights up to twenty-four (24) inches.
- D. Water Cut-Off: At the end of each day's work and/or when precipitation is imminent, construct a water cut-off at all open edges in accordance with the Roofing Manufacturer's recommendations. Water cut-off shall be built using asphalt or mastic and roofing felts. Construct to withstand protracted periods of service. Water cut-off shall be completely removed prior to the resumption of roofing.

**3.4 INSTALLATION OF ROOF RELATED COMPONENTS**

Unless otherwise approved in writing by the Architect and the Roofing Manufacturer, incorporate flanged components into the system between roofing membrane and strip flashing. The flange shall be primed with a uniform coating of primer and allowed to dry. All flanges shall be set in mastic.

- A. Metal Drip Strip: Completely prime metal flange and allow to dry prior to installation. After the base sheet and interply sheets have been installed, solidly mop strip flashing of sufficient width to extend completely under the flange and six (6) inches onto the roofing. Provide continuous cleat at drip strip where drip exceeds four (4) inches in height. Secure cleat to nailer with one and one-quarter (1-1/4) inch, stainless steel, ring-shanked roofing nails at twelve (12) inches on center. Set the drip strip flange in a troweling of mastic and stagger nail at three (3) inches on center with one and one-quarter (1-1/4) inch, stainless steel, ring-shanked roofing nails. Install in ten (10) foot lengths with six (6) inch laps. The interior of the metal shall be coated with mastic at laps. No two (2) laps closer than five (5) feet. Notch bottom and crimp top to lock laps. The roofing membrane shall then be applied, terminating at the gravel stop rise of the drip strip.
- B. Metal Coping Cap: Attach continuous anchor plate to top of parapet in accordance with the Manufacturer's written instructions to comply with the Building Code and the Miami-Dade Notice of Acceptance. Snap coping onto anchor plate. Coping counterflashing to extend a minimum of four (4) inches below the anchorage at the top of the base flashing. Install in full twelve (12) foot lengths with concealed six (6) inch wide sealed splice plates. No two (2) splices closer than six (6) feet. No exposed fasteners.
- C. Metal Counter flashing: Provide continuous bead of sealant in recess prior to attaching reglet in a uniform line at about ten (10) inches above the cant strip using factory supplied seven-eighths (7/8) inch stainless steel drive pins with neoprene washers. Snap counterflashing into reglet. Counter flashing to extend a minimum of four (4)

**LOW SLOPE RE-ROOFING AND REPAIR PROJECTS REBID****PROJECT 16059-A**

inches below the anchorage at the top of the base flashing. Install in full ten (10) foot lengths with one (1) inch laps at reglet and four (4) inch mastic sealed laps at counterflashing. No two (2) laps closer than five (5) feet. Provide continuous bead of sealant along top edge between stucco and reglet. Installation to comply with the Building Code and the Miami-Dade Notice of Acceptance.

- D. Lead Pipe Flashing: After the roofing membrane has been installed, embed the primed lead flanges in a full bed of mastic and roll lead flashing one (1) inch down into pipe. Top of all plumbing vents shall be a minimum of eight (8) inches above roofing membrane. Provide extensions as required. Strip in the flange with a flashing collar sufficiently wide enough to cover the entire flange width and to extend eight (8) inches past the edge of the flange onto the roofing membrane using mastic. A three-eighths (3/8) inch flow out of mastic is required. The roofing membrane shall terminate at the rise of the lead pipe flashing. Broadcast mineral granules over mastic flow out on the roofing membrane surface to ensure a monolithic surface color. With a cant of mastic, seal flashing collar around lead pipe flashing.
- E. Roofing Penetration Flashing:
1. Connected Roofing Penetration Item: After the roofing membrane has been installed, mate shop fabricated half sections of base sleeve together around penetrating item and solder vertical and horizontal seams watertight. Embed the primed flashing flange in a full bed of mastic. Using mastic, strip in the flange with a flashing collar sufficiently wide and long enough to cover the entire flange and to extend eight (8) inches past the edge of the flange onto the roofing membrane. A three-eighths (3/8) inch flow out of mastic is required. The flashing collar shall terminate at the rise of the base sleeve. Broadcast mineral granules over mastic flow out on the roofing membrane surface to ensure a monolithic surface color. With a cant of mastic, seal flashing collar around base sleeve. Using a solvent with a rapid evaporation rate and leaving no residue, clean area of penetrating item directly above base sleeve. Wrap a single layer of one-quarter (1/4) inch to three-eighths (3/8) inch by one (1) inch wide closed cell foam tape around penetrating item one-quarter (1/4) inch above top of base sleeve. Wrap counterflashing around base sleeve one-quarter (1/4) inch above top of tape and solder vertical seam watertight. Apply sealant into channel and tool for positive runoff. Apply sealant cover directly above sealant.
  2. Disconnected and/or New Roofing Penetration Item: After the roofing membrane has been installed, slide the flashing unit over the penetrating item. Embed the primed flashing flange in a full bed of mastic. Using mastic, strip in the flange with a flashing collar sufficiently wide and long enough to cover the entire flange and to extend eight (8) inches past the edge of the flange onto the roofing membrane. A three-eighths (3/8) inch flow out of mastic is required. The flashing collar shall terminate at the rise of the base sleeve. Broadcast mineral granules over mastic flow out on the roofing membrane surface to ensure a monolithic surface color. With a cant of mastic, seal flashing collar around base sleeve. Using a solvent with a rapid evaporation rate and leaving no residue, clean area of penetrating item directly above base sleeve. Wrap a single layer of one-quarter (1/4) inch to three-eighths (3/8) inch by one (1) inch wide closed cell foam tape around penetrating item one-quarter (1/4) inch above top of base sleeve. Wrap counterflashing around base sleeve one-quarter (1/4) inch above top of tape and solder vertical seam watertight. Apply

**LOW SLOPE RE-ROOFING AND REPAIR PROJECTS REBID****PROJECT 16059-A**

sealant into channel and tool for positive runoff. Apply sealant cover directly above sealant.

- F. Pipe Mounting Pedestal: Completely prime the metal flanges and allow to dry prior to installation. Space pedestals at a distance to prevent sagging of the pipe/conduit and to prevent the pipe/conduit from coming into contact with the roofing membrane. Set the flange in a troweling of mastic over completed roofing system. Install base flashing in accordance with specifications.
- G. Pitch Pans: Pitch pans shall NOT be used in lieu of any other penetration flashing and if deemed absolutely necessary, shall require prior approval in writing by the City Architect and the Roofing Manufacturer.
- H. Roof Drains: Completely prime the lead flashing and allow to dry prior to installation. After the base sheet and interply sheets have been installed, solidly mop flashing collar of sufficient width to extend completely under the lead flashing and six (6) inches onto the roofing. Set the lead flashing in a troweling of mastic. The roofing membrane shall then be applied, terminating at the inside edge of the roof drain clamping ring. Install new metal dome, screen ring, clamp ring and all other damaged, deteriorated or missing parts.
- I. Traffic Walkway: Cut walkway plies into maximum ten (10) foot lengths if placing parallel to roof slope and three (3) foot lengths if placing perpendicular to roof slope. Allow plies to relax until flat. Use a spacing of eight (8) inches between walkways to allow for drainage. Install both the first ply of walkway to the roofing membrane and the second ply to the first ply in a solid mopping of hot asphalt applied at a rate of twenty five (25) pounds per square, plus or minus fifteen (15) percent. Apply both plies smoothly without wrinkles, creases or fish mouths.
- J. Caulk all exposed finish ply edges at drip strips, vent stacks, and similar items with a smooth continuous bead of approved sealant.

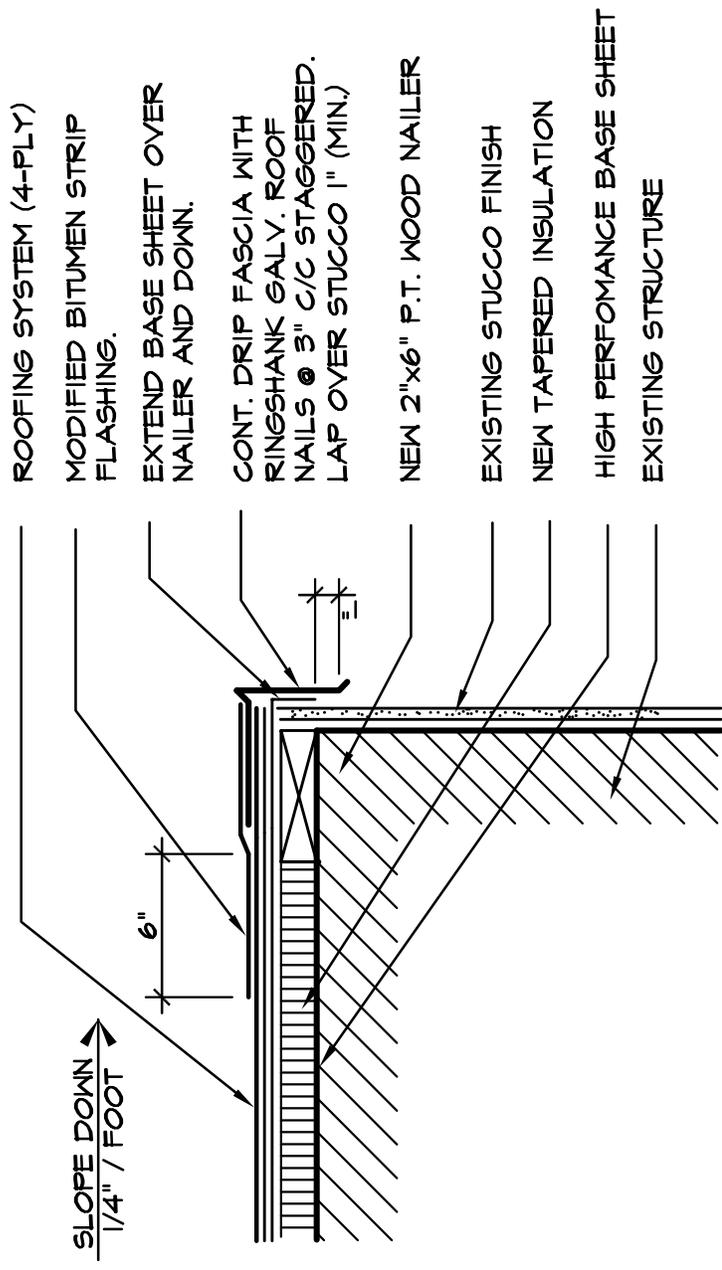
**3.5 FIELD QUALITY CONTROL AND INSPECTIONS**

- A. Site Condition: Leave all areas around job site free of debris, roofing materials, equipment and related items after completion of job.
- B. Notification of Completion: Notify the Roofing Manufacturer by means of Manufacturer's printed Notification of Completion form of job completion in order to schedule a final inspection date.
- C. Final Inspection:
  - 1. Post-Installation Meeting: Hold a meeting at the completion of the project, attended by all parties that were present at the pre-job conference. The Contractor and the Roofing Manufacturer's Representative shall compile a punch list of items required for completion. Complete, sign and mail the punch list form to the Roofing Manufacturer's headquarters.
  - 2. Drain Verification: At final inspection of all work, verify that all drains, scuppers, and similar items are functioning properly. Ensure that roof drains have adequate strainers.

**LOW SLOPE RE-ROOFING AND REPAIR PROJECTS REBID****PROJECT 16059-A**

3. Issuance of the Guarantee: Complete all post installation procedures and meet the Roofing Manufacturer's final endorsement of issuance of the specified guarantee.

**END OF SECTION 075200**



ROOFING SYSTEM (4-PLY)

MODIFIED BITUMEN STRIP FLASHING.

EXTEND BASE SHEET OVER NAILER AND DOWN.

CONT. DRIP FASCIA WITH RINGSHANK GALV. ROOF NAILS @ 3" C/C STAGGERED. LAP OVER STUCCO 1" (MIN.)

NEW 2"x6" P.T. WOOD NAILER

EXISTING STUCCO FINISH

NEW TAPERED INSULATION

HIGH PERFORMANCE BASE SHEET  
EXISTING STRUCTURE

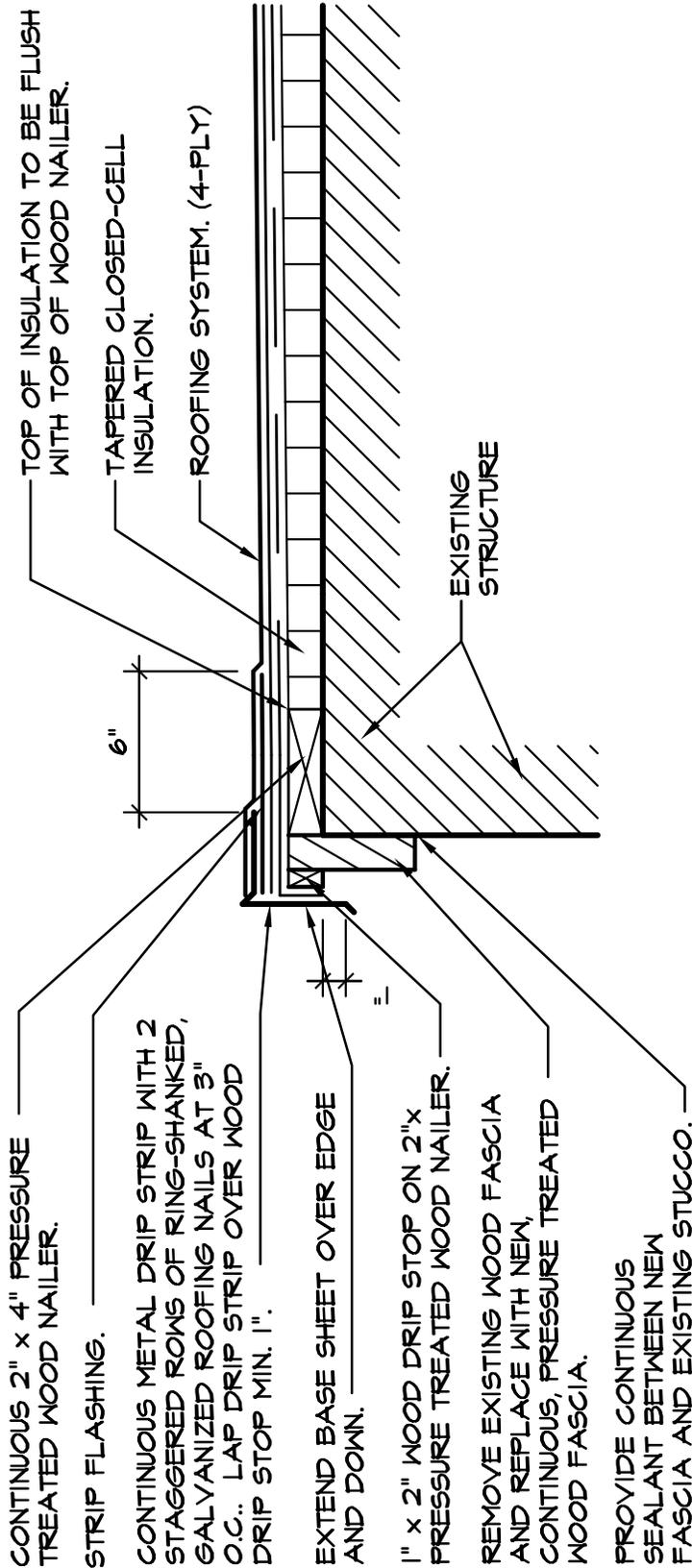
REVISIONS:

DATE:	2008
DRAWN BY:	T.S.
CHECKED BY:	
CAD FILE:	ROOF DETAILS.DWG

**ROOF EDGE DETAIL  
WITHOUT FASCIA**

SHEET NO.  
**RD-01**  
OF 2  
DRAWING FILE NO.

**CITY OF FORT LAUDERDALE**  
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Architecture • Landscape Architecture • Project Management  
100 North Andrews Avenue, 5th Floor, Fort Lauderdale, Florida 33301



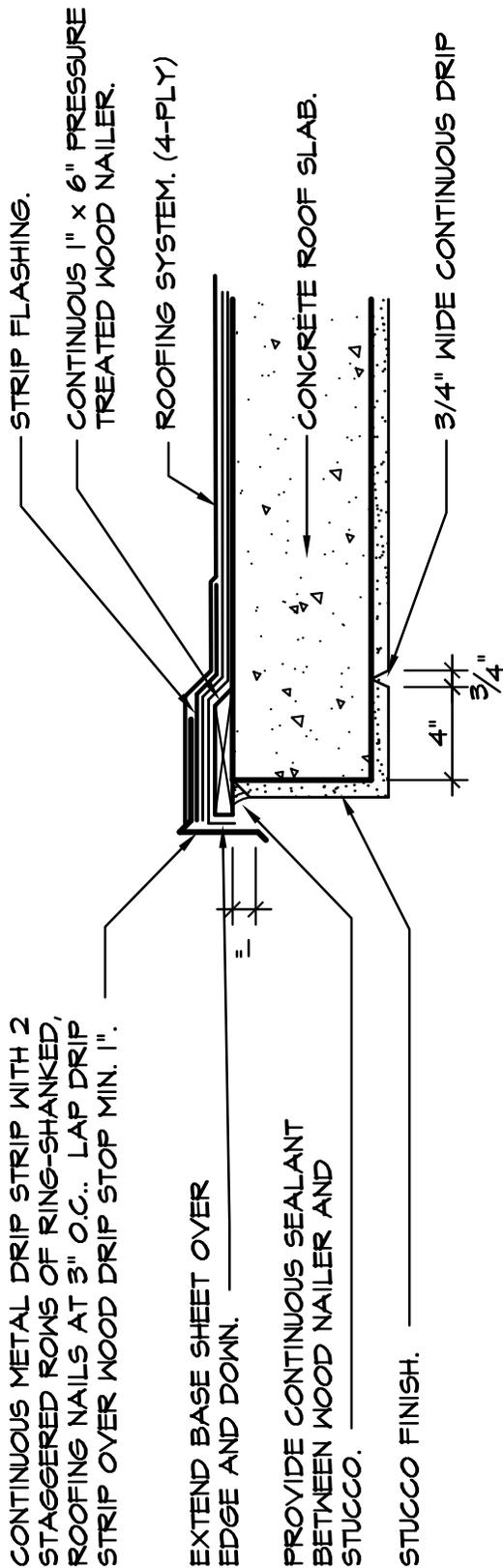
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DATE:	2008
DRAWN BY:	T.S.
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### ROOF EDGE DETAIL WITH FASCIA

SHEET NO.  
**RD-02**  
OF 2  
DRAWING FILE NO.

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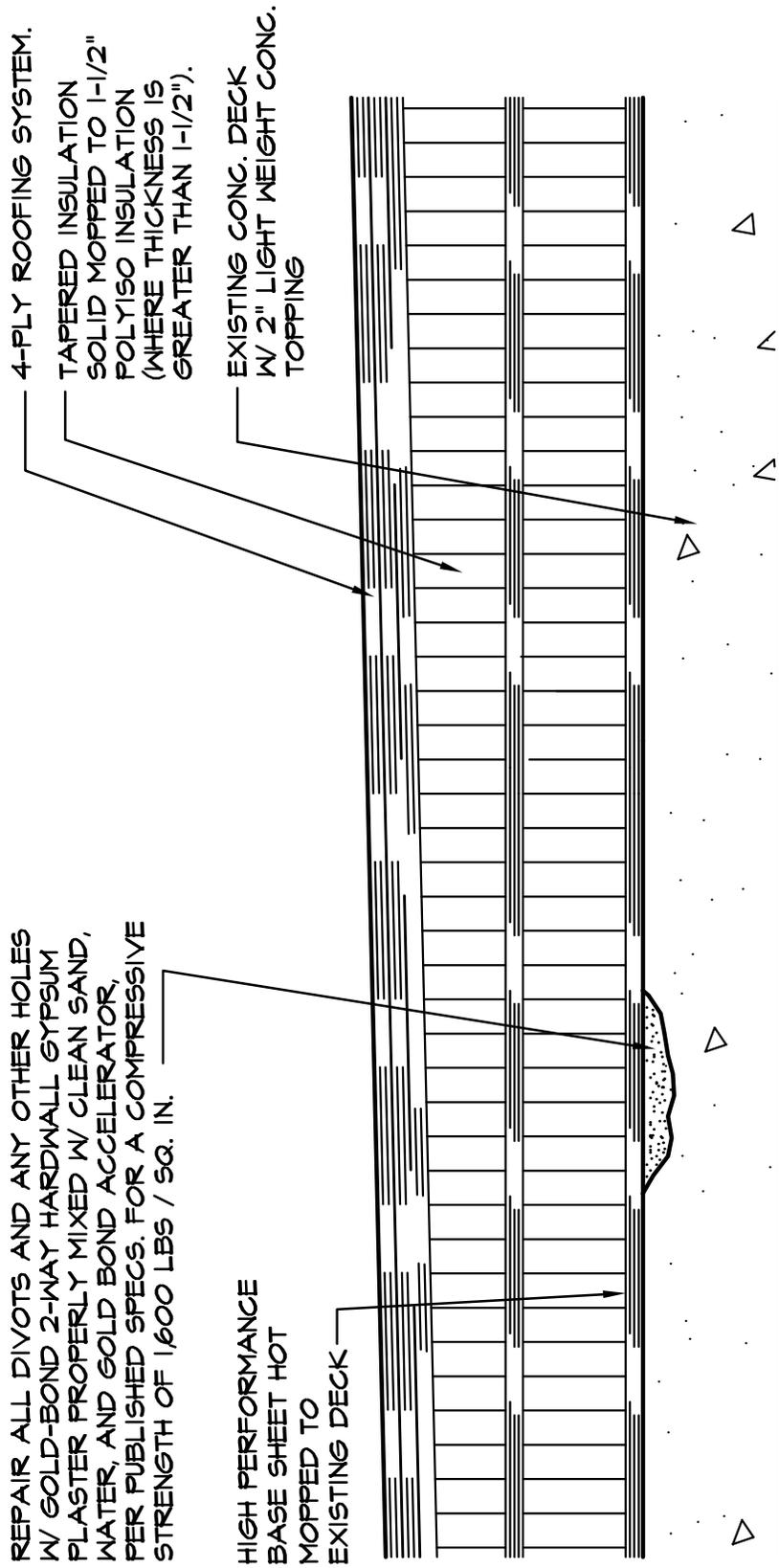
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**ROOF EDGE DETAIL AT OVERHANG**

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OF	2
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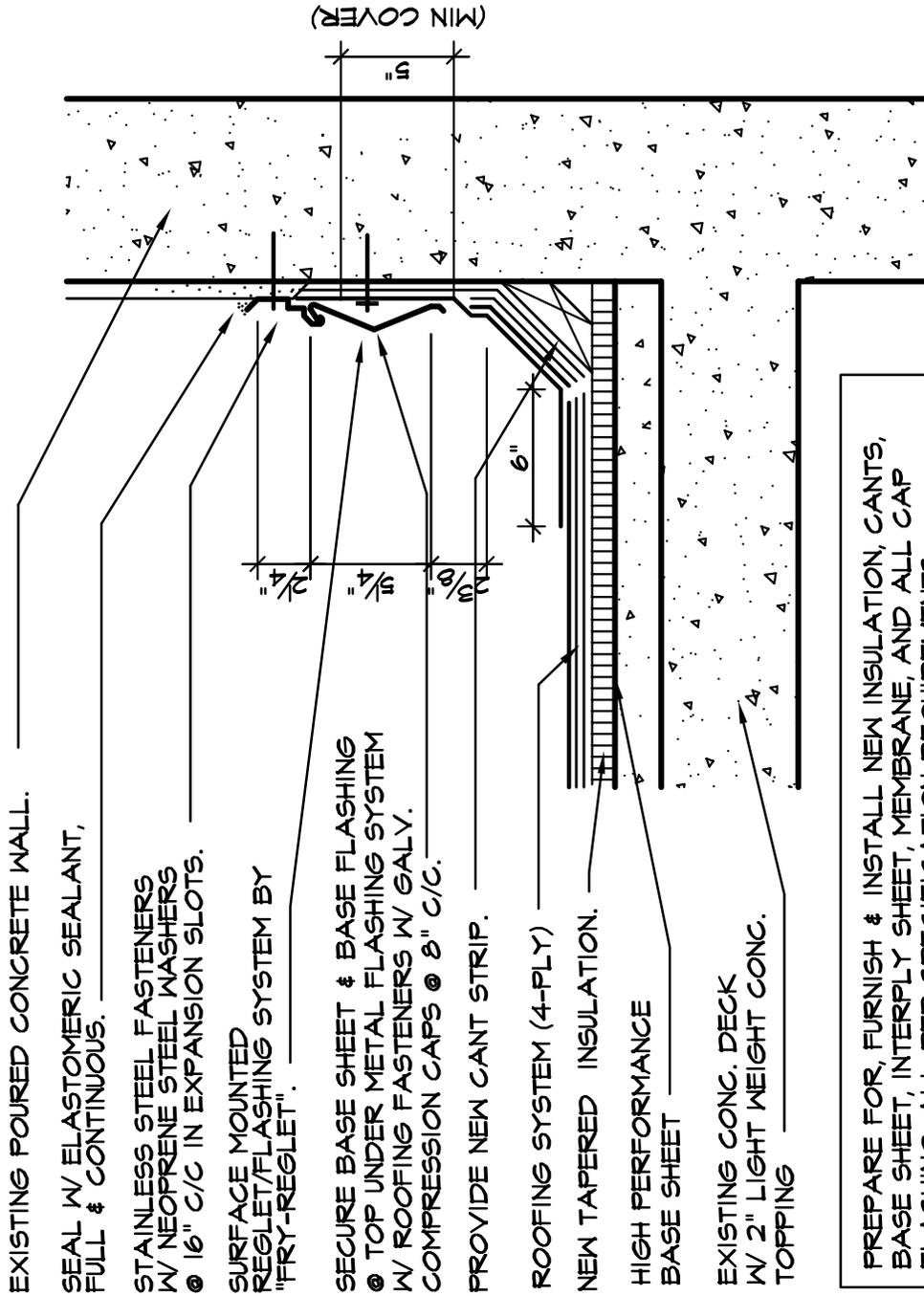
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**INSULATION TO ROOF DECK DETAIL**

SHEET NO.  
**RD-04**  
 OF 22  
 DRAWING FILE NO.



EXISTING POURED CONCRETE WALL.

SEAL W/ ELASTOMERIC SEALANT, FULL & CONTINUOUS.

STAINLESS STEEL FASTENERS W/ NEOPRENE STEEL WASHERS @ 16" C/C IN EXPANSION SLOTS.

SURFACE MOUNTED REGLET/FLASHING SYSTEM BY "FRY-REGLET".

SECURE BASE SHEET & BASE FLASHING @ TOP UNDER METAL FLASHING SYSTEM W/ ROOFING FASTENERS W/ GALV. COMPRESSION CAPS @ 8" C/C.

PROVIDE NEW CANT STRIP.

ROOFING SYSTEM (4-PLY)

NEW TAPERED INSULATION.

HIGH PERFORMANCE BASE SHEET

EXISTING CONG. DECK W/ 2" LIGHT WEIGHT CONG. TOPPING

PREPARE FOR, FURNISH & INSTALL NEW INSULATION, CANTS, BASE SHEET, INTERPLY SHEET, MEMBRANE, AND ALL GAP FLASHING, ALL PER SPECIFICATION REQUIREMENTS.



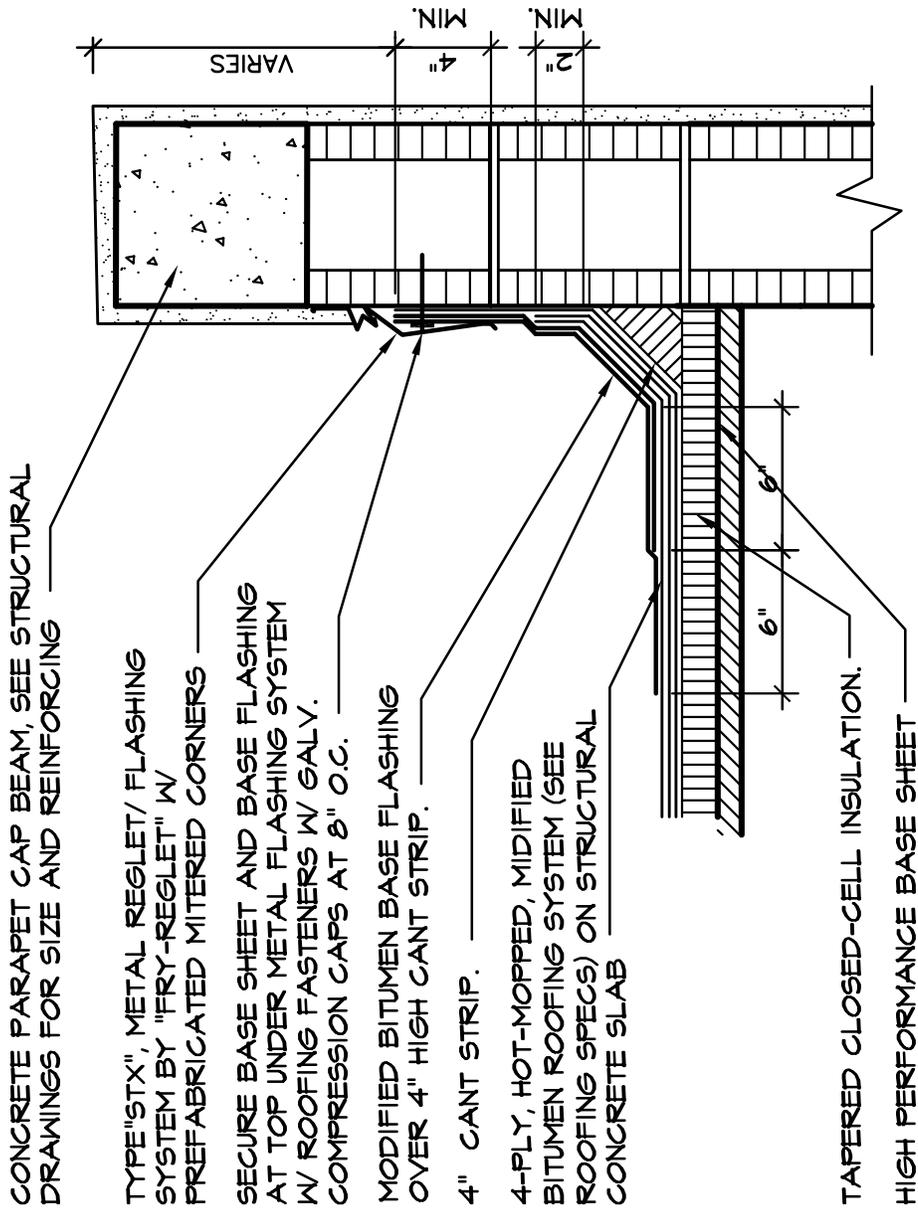
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**FLASHING DETAIL AT WALL OR COLUMN**

SHEET NO.  
**RD-05**  
 OF  
 22  
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CONCRETE PARAPET CAP BEAM. SEE STRUCTURAL DRAWINGS FOR SIZE AND REINFORCING

TYPE"STX", METAL REGLET/ FLASHING SYSTEM BY "FRY-REGLET" W/ PREFABRICATED MITERED CORNERS

SECURE BASE SHEET AND BASE FLASHING AT TOP UNDER METAL FLASHING SYSTEM W/ ROOFING FASTENERS W/ GALV. COMPRESSION CAPS AT 8" O.C.

MODIFIED BITUMEN BASE FLASHING OVER 4" HIGH CANT STRIP.

4" CANT STRIP.

4-PLY, HOT-MOPPED, MIDIFIED BITUMEN ROOFING SYSTEM (SEE ROOFING SPECS) ON STRUCTURAL CONCRETE SLAB

TAPERED CLOSED-CELL INSULATION.

HIGH PERFORMANCE BASE SHEET



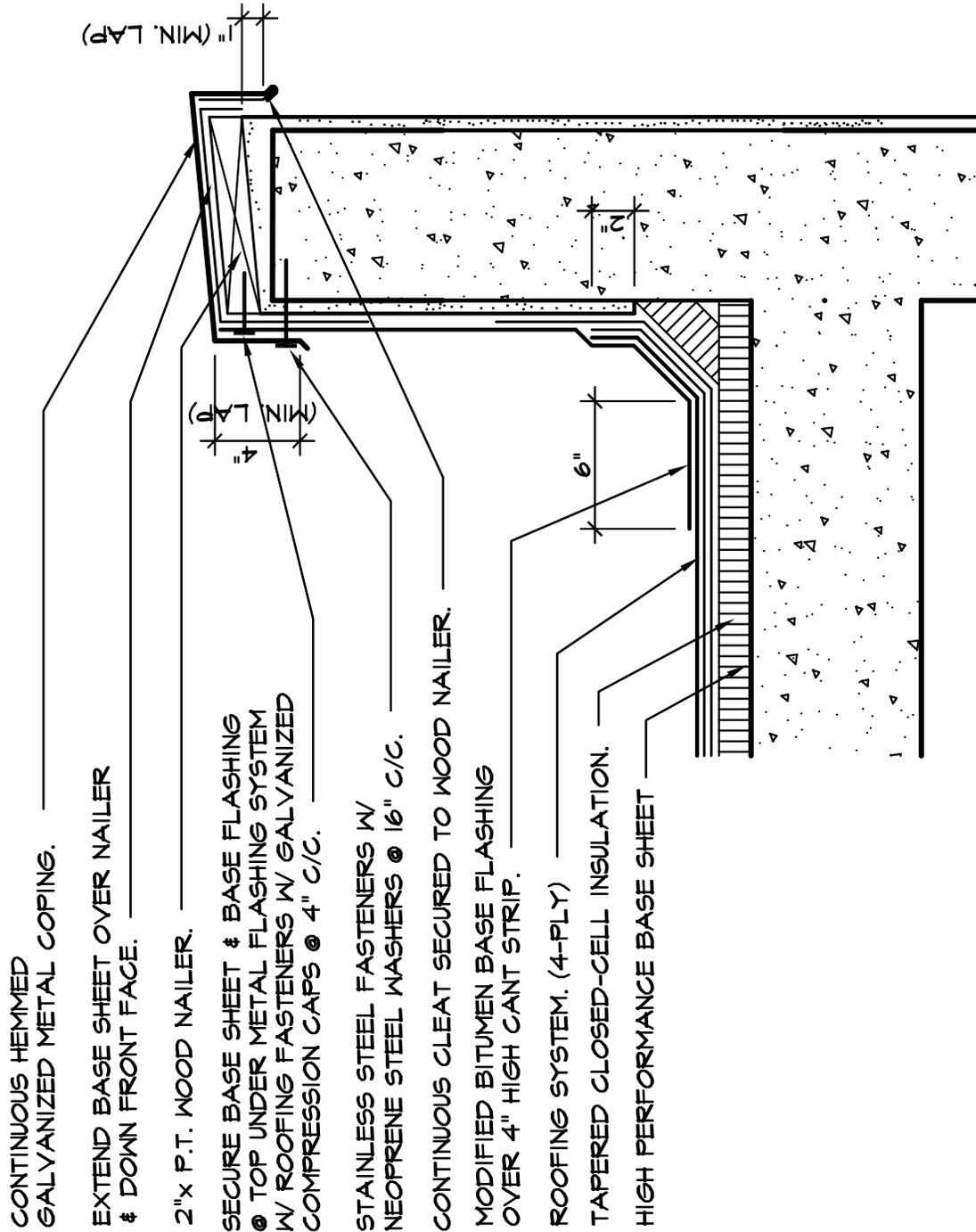
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REVISIONS:

DATE:	2008
DRAWN BY:	T.S.
CHECKED BY:	
CAD FILE:	ROOF DETAILS.DWG

**FLASHING AT PARAPET DETAIL**

SHEET NO.  
**RD-06**  
 OF 2  
 DRAWING FILE NO.



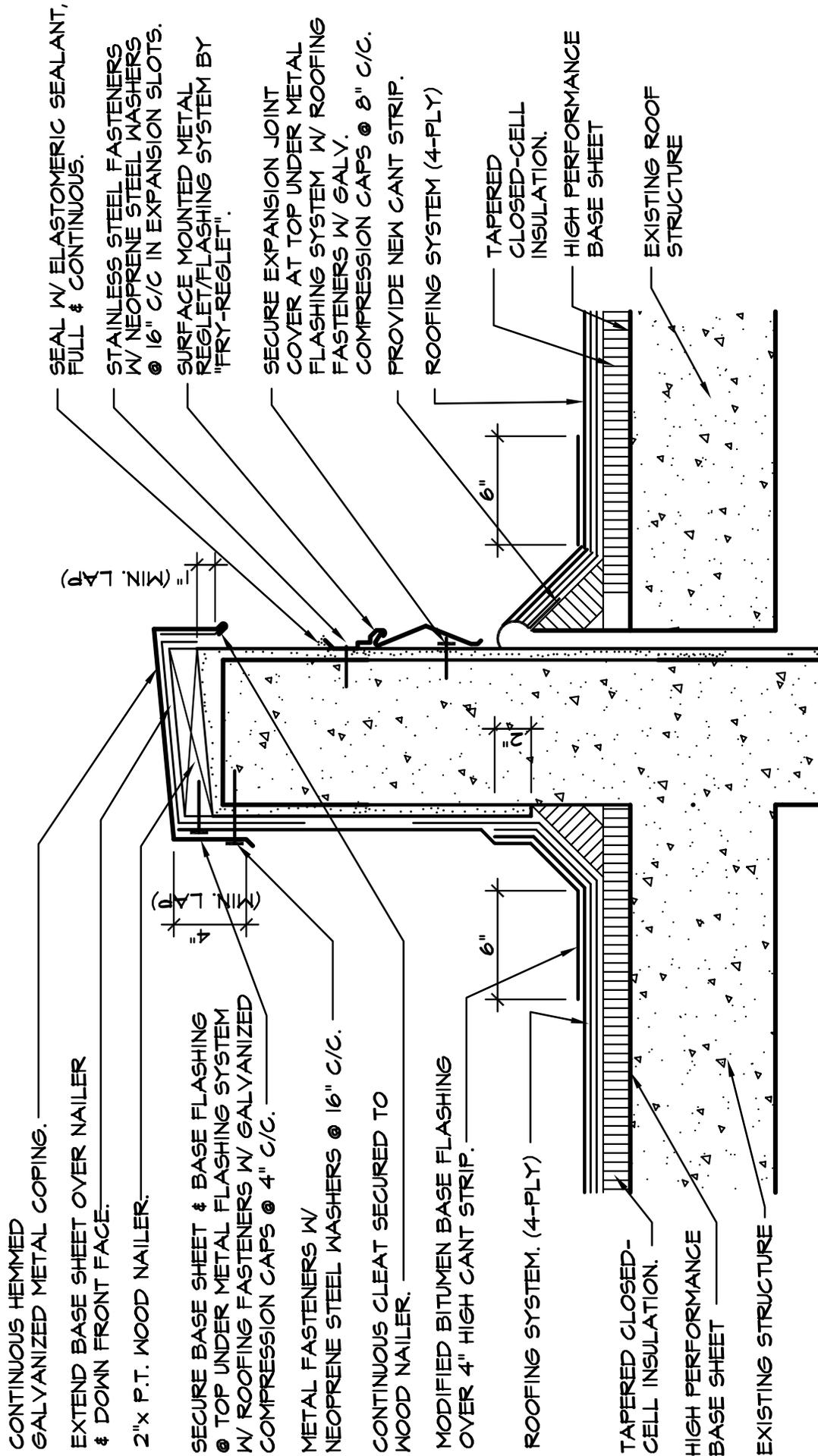
**CITY OF FORT LAUDERDALE**  
 PUBLIC WORKS DEPARTMENT  
 ARCHITECTURAL BUREAU  
 Architecture • Landscape Architecture • Project Management  
 100 North Andrews Avenue, 5th Floor, Fort Lauderdale, Florida 33301

REVISIONS:

DATE:	2008
DRAWN BY:	T.S.
CHECKED BY:	
CAD FILE:	ROOF DETAILS.DWG

**PARAPET DETAIL WITH METAL COPING**

SHEET NO.  
**RD-07**  
 OF 22  
 DRAWING FILE NO.



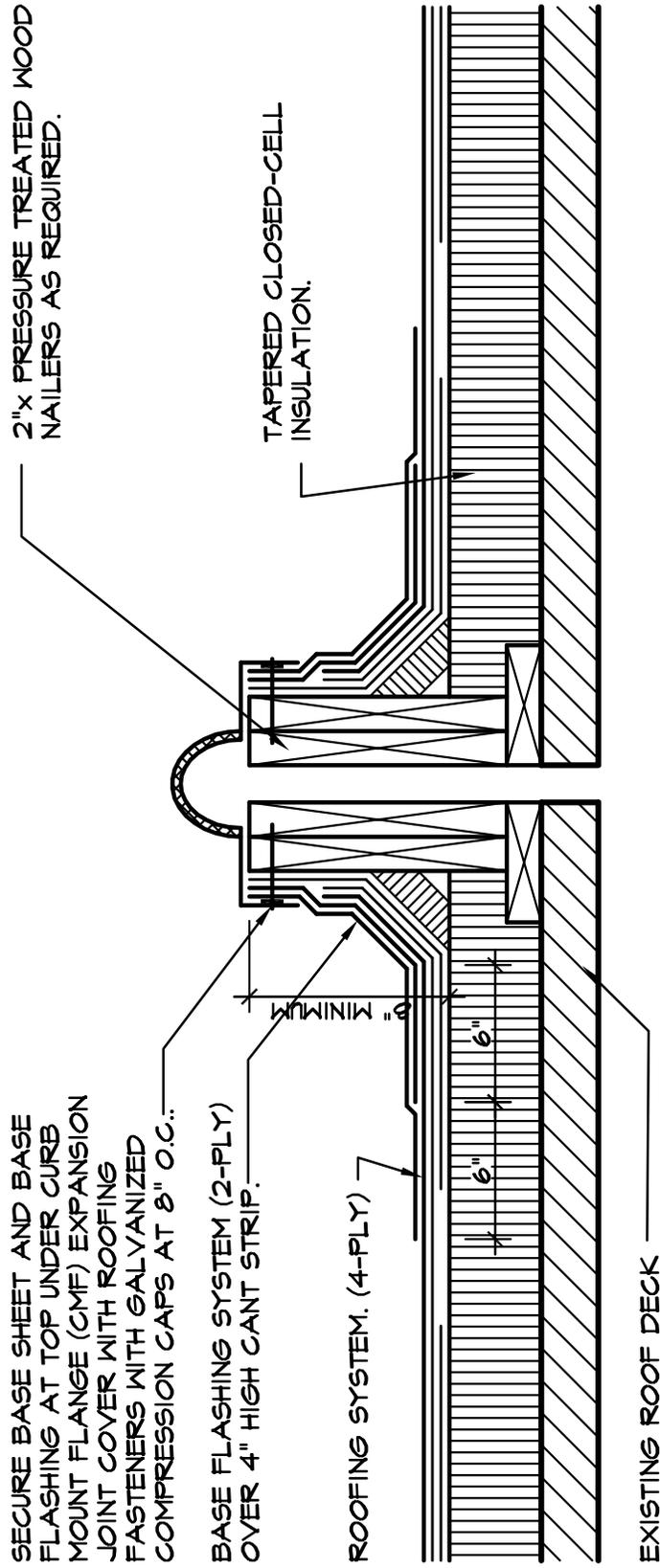
**CITY OF FORT LAUDERDALE**  
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 100 North Andrews Avenue, 5th Floor, Fort Lauderdale, Florida 33301

REVISIONS:

DATE:	2008
DRAWN BY:	T.S.
CHECKED BY:	
CAD FILE:	ROOF DETAILS.DWG

**PARAPET DETAIL AT EXPANSION JOINT**

SHEET NO.  
**RD-08**  
 OF  
 DRAWING FILE NO.



2" x PRESSURE TREATED WOOD NAILERS AS REQUIRED.

TAPERED CLOSED-CELL INSULATION.

SECURE BASE SHEET AND BASE FLASHING AT TOP UNDER CURB MOUNT FLANGE (CMF) EXPANSION JOINT COVER WITH GALVANIZED FASTENERS WITH GALVANIZED COMPRESSION CAPS AT 8" O.C.

BASE FLASHING SYSTEM (2-PLY) OVER 4" HIGH CANT STRIP.

ROOFING SYSTEM. (4-PLY)

EXISTING ROOF DECK

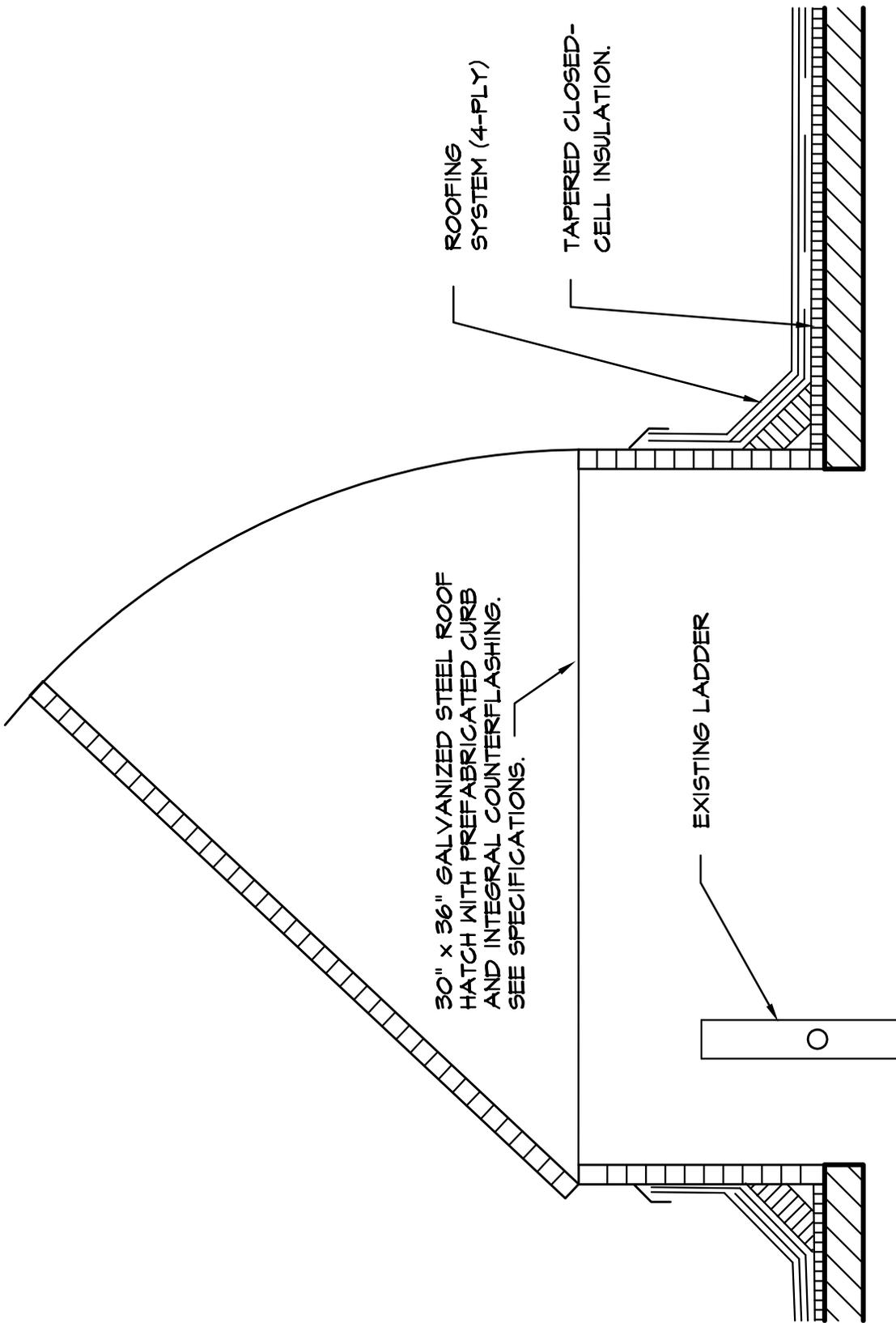
REVISIONS:

DATE:	2008
DRAWN BY:	T.S.
CHECKED BY:	
CAD FILE:	ROOF DETAILS.DWG

**ROOF EXPANSION JOINT DETAIL**

SHEET NO.  
**RD-09**  
OF  
DRAWING FILE NO. **2**

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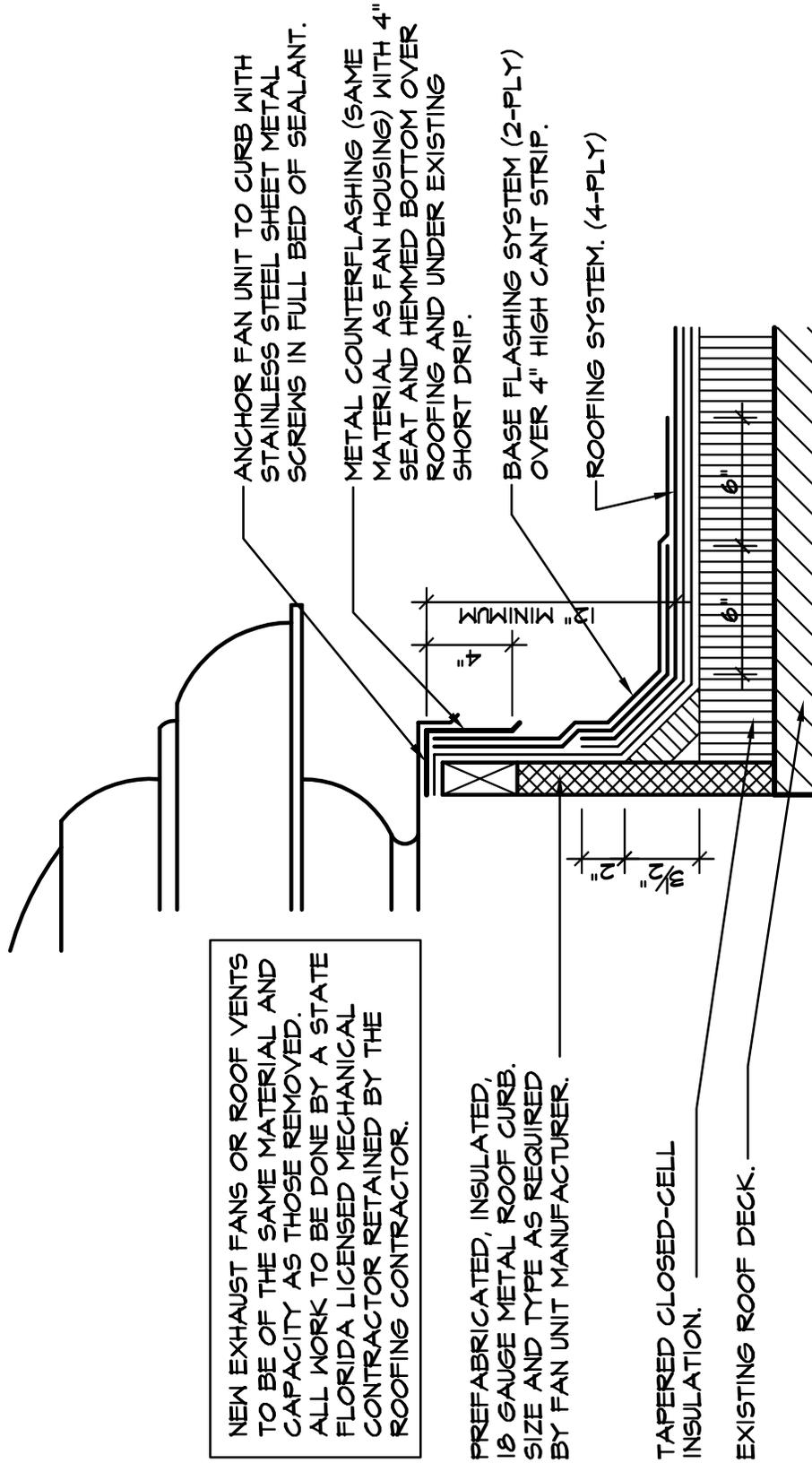
**CITY OF FORT LAUDERDALE**  
**PUBLIC WORKS DEPARTMENT**  
**ARCHITECTURAL BUREAU**  
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 100 North Andrews Avenue, 5th Floor, Fort Lauderdale, Florida 33301

REVISIONS:

DATE:	2008
DRAWN BY:	T.S.
CHECKED BY:	
CAD FILE:	ROOF DETAILS.DWG

**ROOF HATCH DETAIL**

SHEET NO.  
**RD-10**  
 OF 22  
 DRAWING FILE NO.



NEW EXHAUST FANS OR ROOF VENTS TO BE OF THE SAME MATERIAL AND CAPACITY AS THOSE REMOVED. ALL WORK TO BE DONE BY A STATE FLORIDA LICENSED MECHANICAL CONTRACTOR RETAINED BY THE ROOFING CONTRACTOR.

PREFABRICATED, INSULATED, 18 GAUGE METAL ROOF CURB. SIZE AND TYPE AS REQUIRED BY FAN UNIT MANUFACTURER.

TAPERED CLOSED-CELL INSULATION.

EXISTING ROOF DECK.

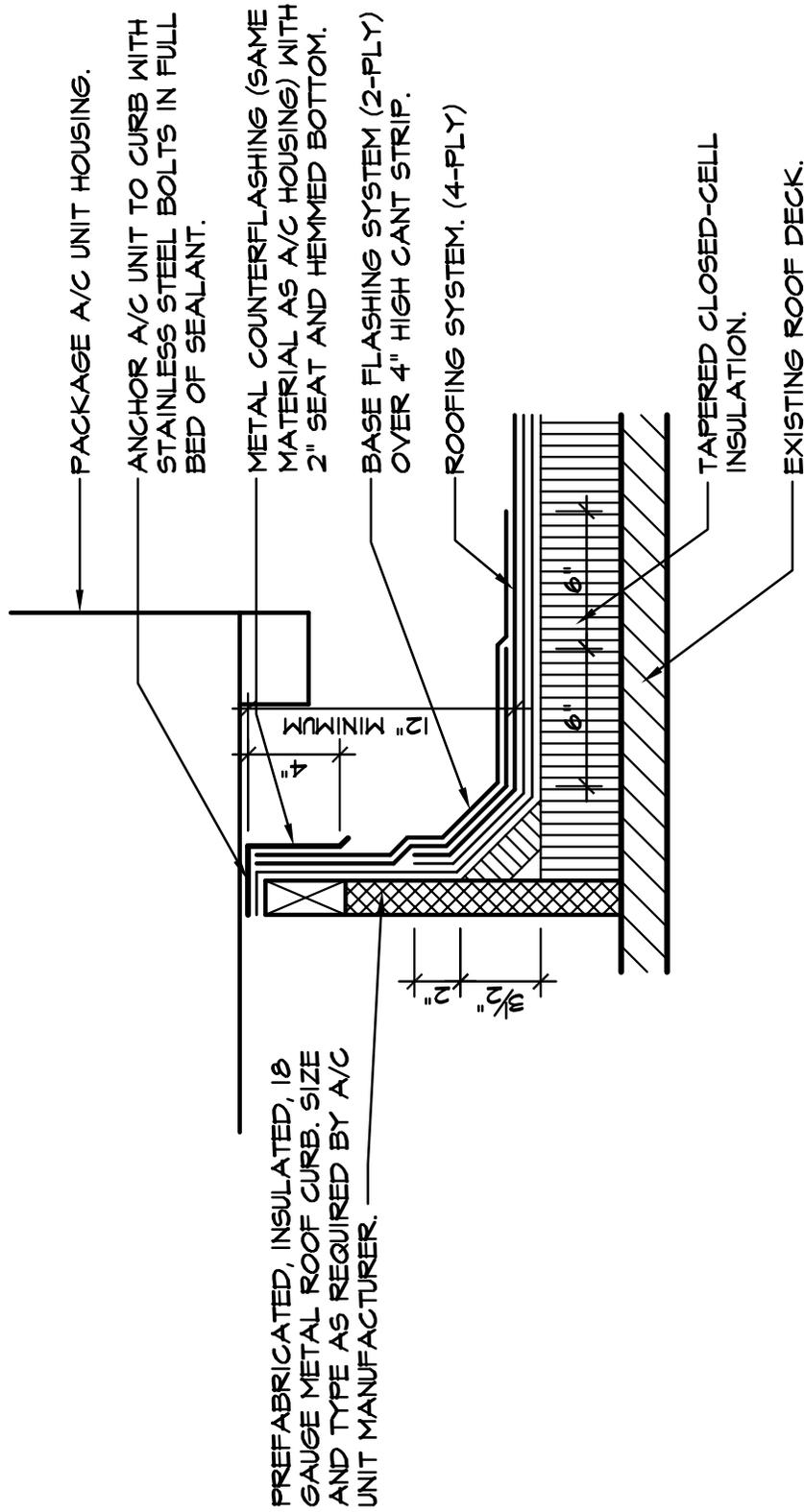
**CITY OF FORT LAUDERDALE**  
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 ARCHITECTURAL BUREAU  
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 100 North Andrews Avenue, 5th Floor, Fort Lauderdale, Florida 33301

REVISIONS:

DATE:	2008
DRAWN BY:	T.S.
CHECKED BY:	
CAD FILE:	ROOF DETAILS.DWG

**EXHAUST FAN OR ROOF VENT DETAIL**

SHEET NO.  
**RD-11**  
 OF  
 22  
 DRAWING FILE NO.



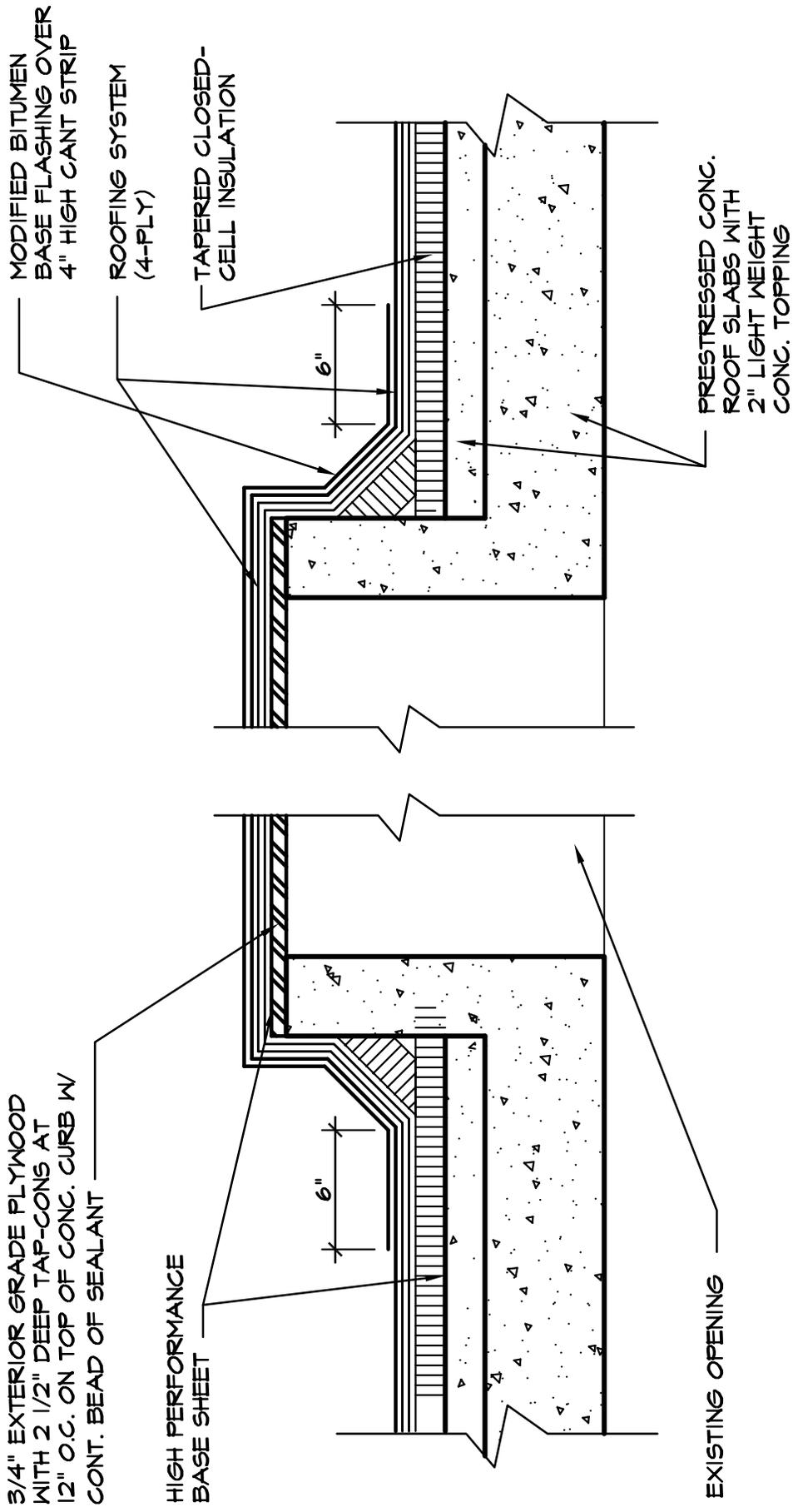
**CITY OF FORT LAUDERDALE**  
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REVISIONS:

DATE:	2005
DRAWN BY:	T.S.
CHECKED BY:	
CAD FILE:	ROOF DETAILS.DWG

**ROOF CURB AT PACKAGE A/C DETAIL**

SHEET NO.  
**RD-12**  
 OF 2  
 DRAWING FILE NO.



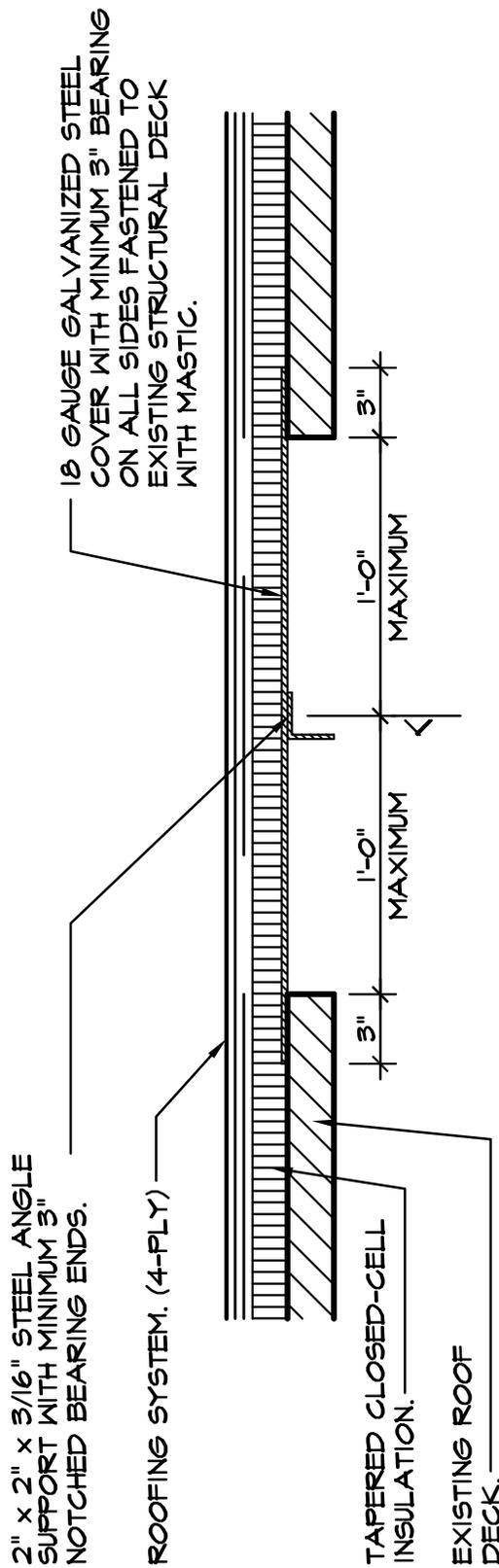
**ROOF OPENING ENCLOSURE DETAIL**

REVISIONS:

DATE:	2008
DRAWN BY:	T.S.
CHECKED BY:	
CAD FILE:	ROOF DETAILS.DWG

SHEET NO.	<b>RD-13</b>
OF	<b>22</b>
DRAWING FILE NO.	

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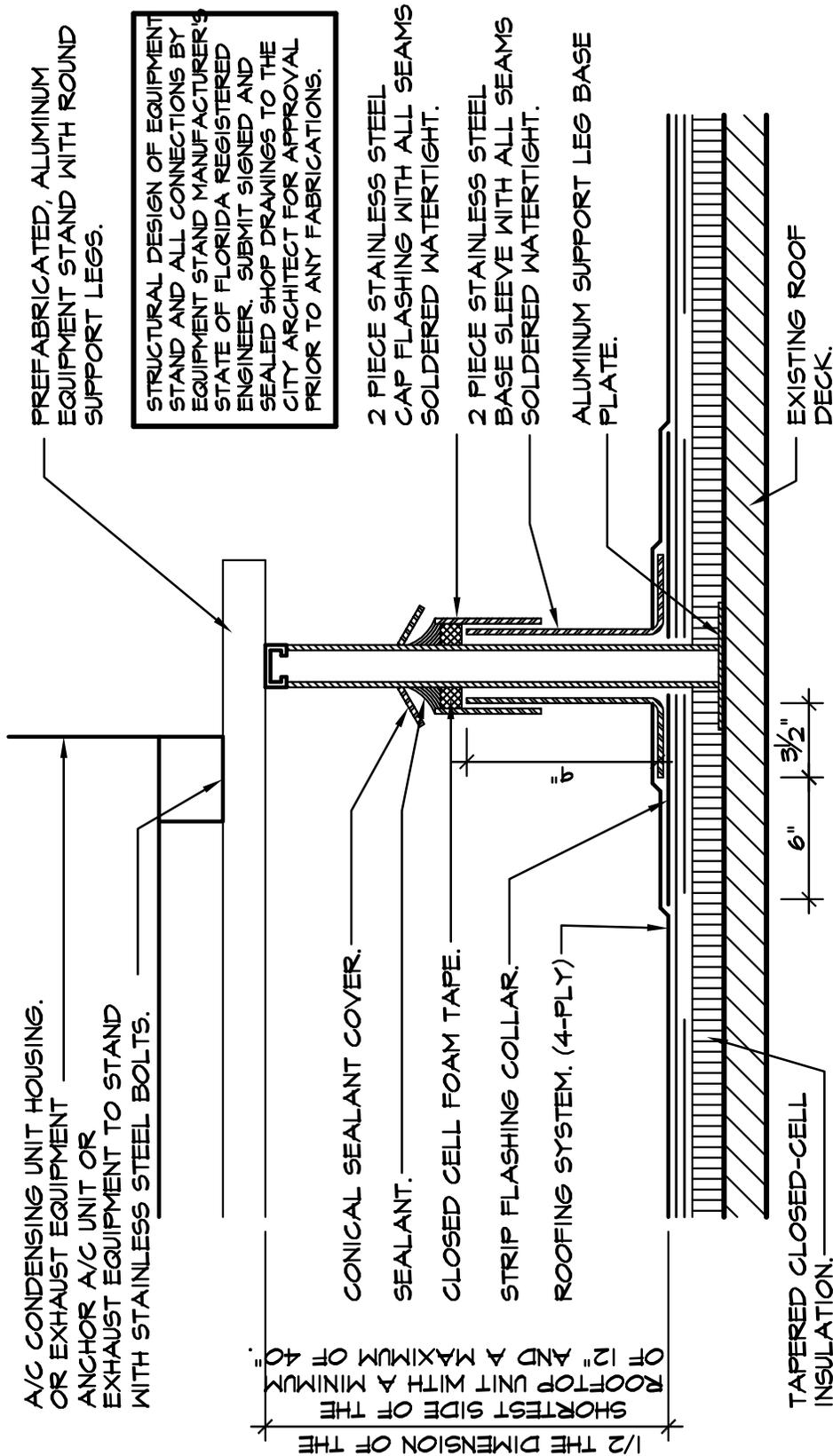
**TYPICAL ROOF DECK OPENING COVER DETAIL**

DATE:	2008
DRAWN BY:	T.S.
CHECKED BY:	
CAD FILE:	ROOF DETAILS.DWG

REVISIONS:


**CITY OF FORT LAUDERDALE**  
 PUBLIC WORKS DEPARTMENT  
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SHEET NO.	<b>RD-14</b>
OF	<b>22</b>
DRAWING FILE NO.	



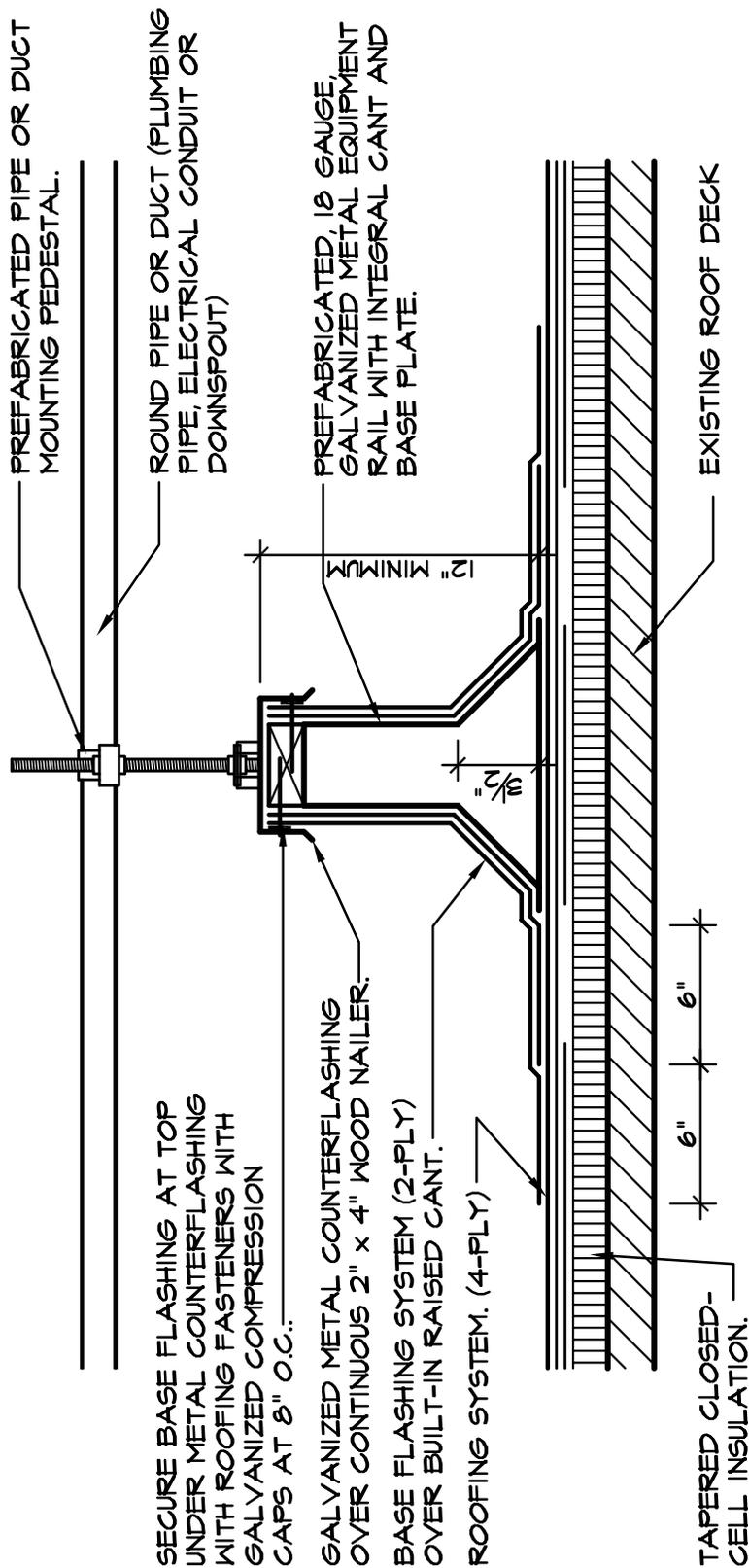
REVISIONS:

DATE:	2008
DRAWN BY:	T.S.
CHECKED BY:	
CAD FILE:	ROOF DETAILS.DWG

**ROOF EQUIPMENT STAND DETAIL**

SHEET NO.  
**RD-15**  
OF  
DRAWING FILE NO. **22**

**CITY OF FORT LAUDERDALE**  
PUBLIC WORKS DEPARTMENT  
ARCHITECTURAL BUREAU  
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100 North Andrews Avenue, 5th Floor, Fort Lauderdale, Florida 33301



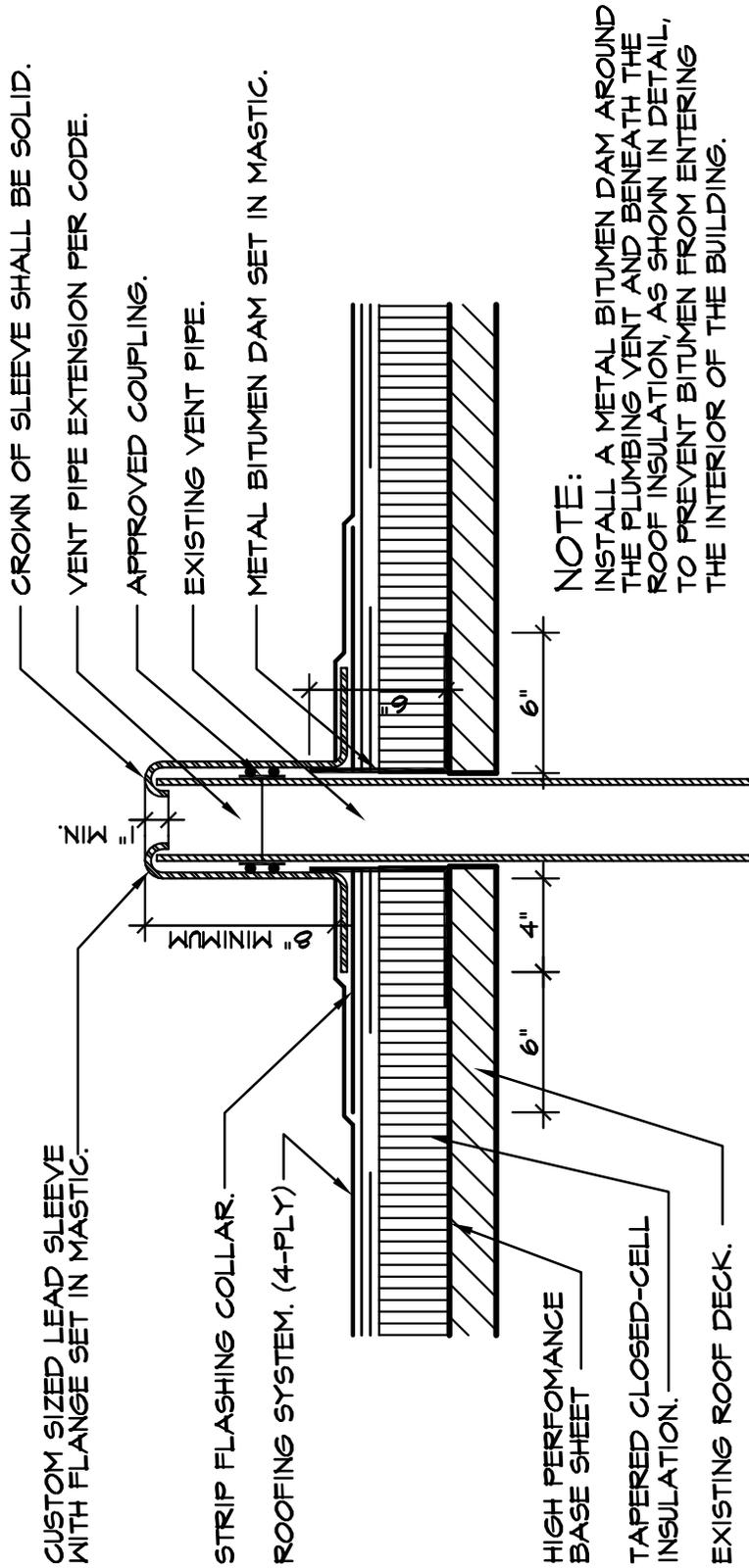
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REVISIONS:

DATE:	2008
DRAWN BY:	T.S.
CHECKED BY:	
CAD FILE:	ROOF DETAILS.DWG

**PIPE OR DUCT MOUNTING ROOF PEDESTAL DETAIL**

SHEET NO.  
**RD-16**  
 OF 2  
 DRAWING FILE NO.



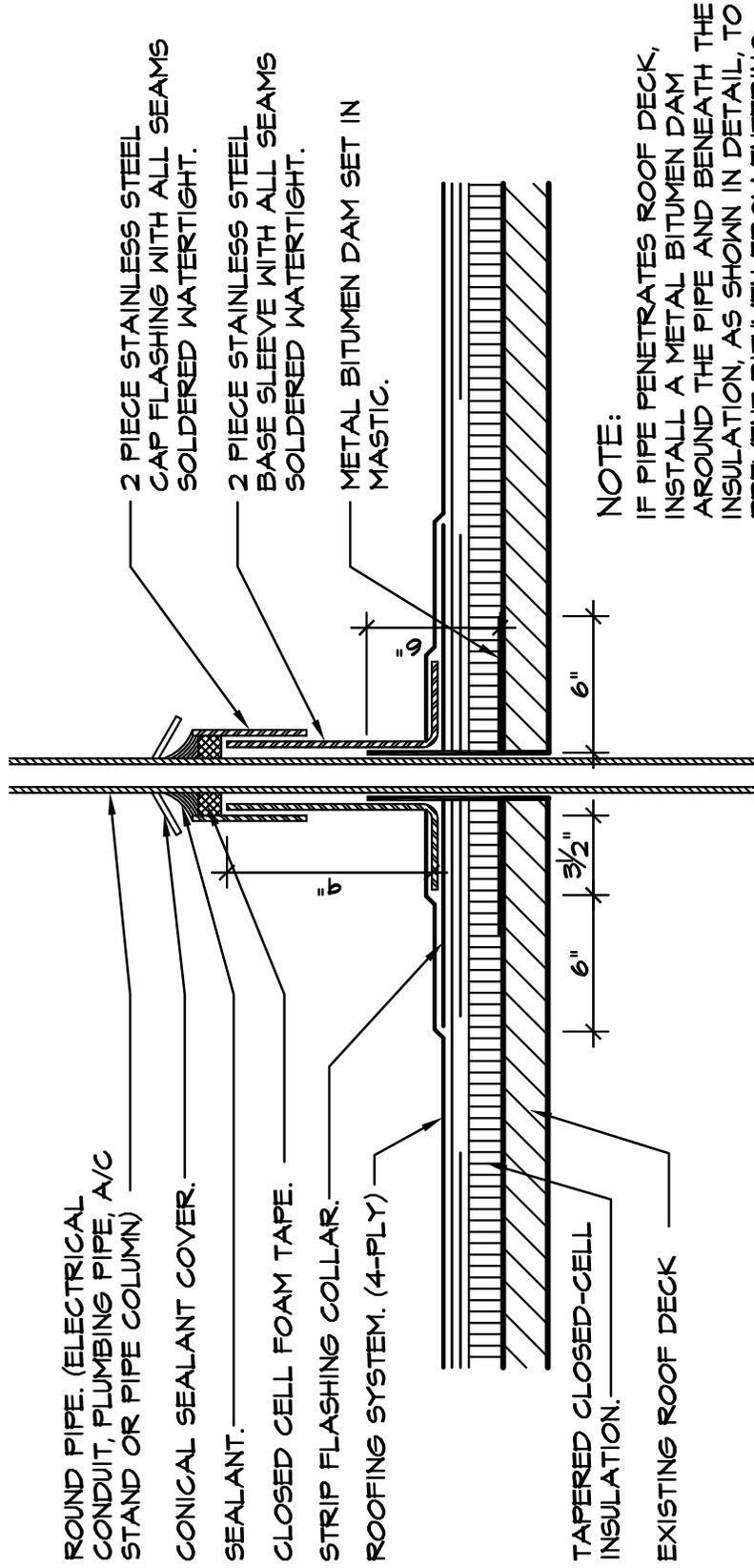
REVISIONS:

DATE:	2008
DRAWN BY:	T.S.
CHECKED BY:	
CAD FILE:	ROOF DETAILS.DWG

**PLUMBING ROOF VENT DETAIL**

SHEET NO.	RD-17
OF	22
DRAWING FILE NO.	

**CITY OF FORT LAUDERDALE**  
**PUBLIC WORKS DEPARTMENT**  
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2 PIECE STAINLESS STEEL CAP FLASHING WITH ALL SEAMS SOLDERED WATERTIGHT.

2 PIECE STAINLESS STEEL BASE SLEEVE WITH ALL SEAMS SOLDERED WATERTIGHT.

METAL BITUMEN DAM SET IN MASTIC.

**NOTE:**  
 IF PIPE PENETRATES ROOF DECK, INSTALL A METAL BITUMEN DAM AROUND THE PIPE AND BENEATH THE INSULATION, AS SHOWN IN DETAIL, TO PREVENT BITUMEN FROM ENTERING THE INTERIOR OF THE BUILDING.

ROUND PIPE. (ELECTRICAL CONDUIT, PLUMBING PIPE, A/C STAND OR PIPE COLUMN)

CONICAL SEALANT COVER.

SEALANT.

CLOSED CELL FOAM TAPE.

STRIP FLASHING COLLAR.

ROOFING SYSTEM. (4-PLY)

TAPERED CLOSED-CELL INSULATION.

EXISTING ROOF DECK

**CITY OF FORT LAUDERDALE**  
 PUBLIC WORKS DEPARTMENT  
 ARCHITECTURAL BUREAU

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REVISIONS:

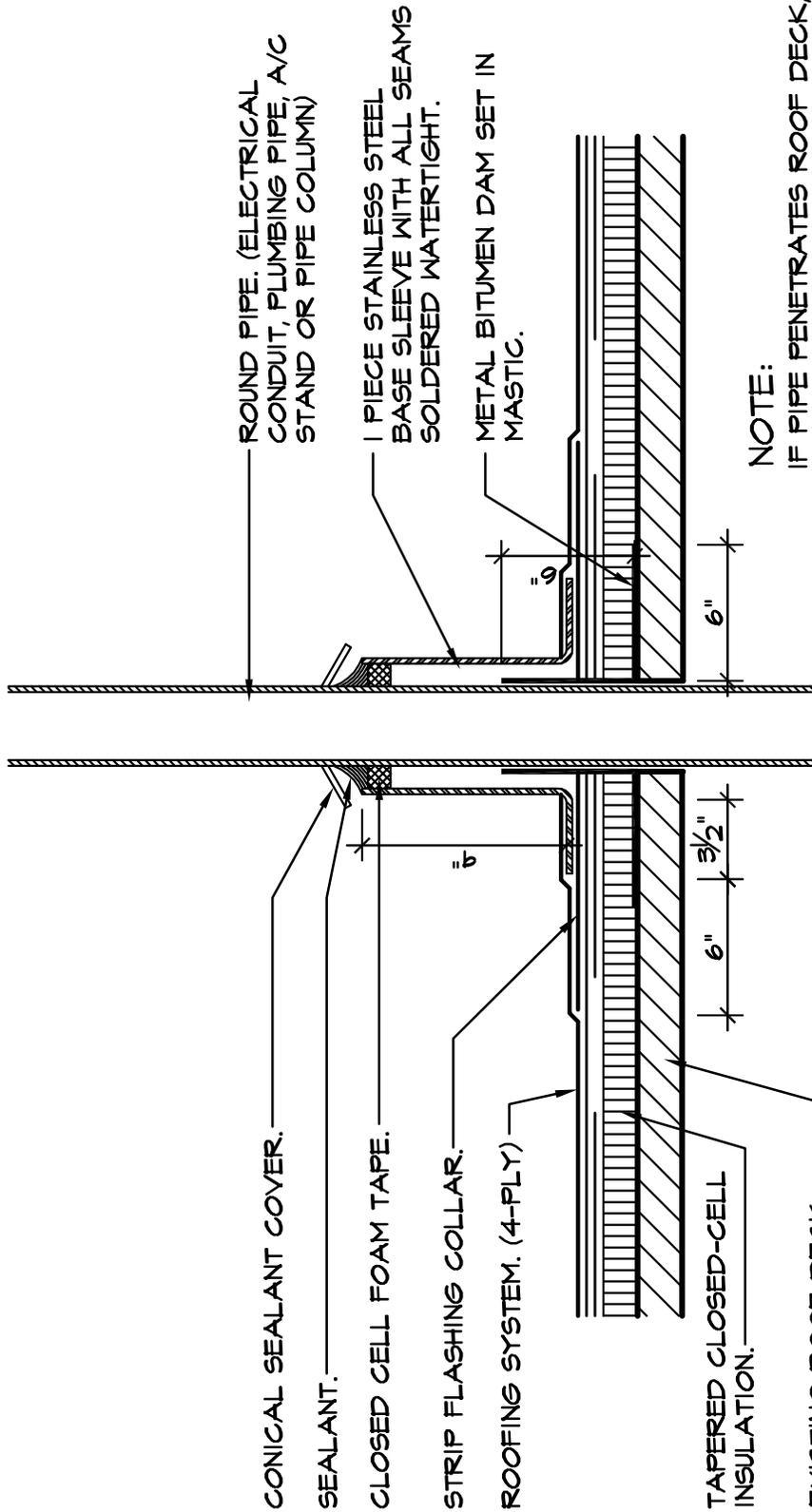
DATE:	2008
DRAWN BY:	T.S.
CHECKED BY:	
CAD FILE:	ROOF DETAILS.DWG

**CONNECTED ROOF PENETRATION DETAIL**

SHEET NO.  
**RD-18**

OF  
**2**

DRAWING FILE NO.



**NOTE:**  
 IF PIPE PENETRATES ROOF DECK, INSTALL A METAL BITUMEN DAM AROUND THE PIPE AND BENEATH THE INSULATION, AS SHOWN IN DETAIL, TO PREVENT BITUMEN FROM ENTERING THE INTERIOR OF THE BUILDING.

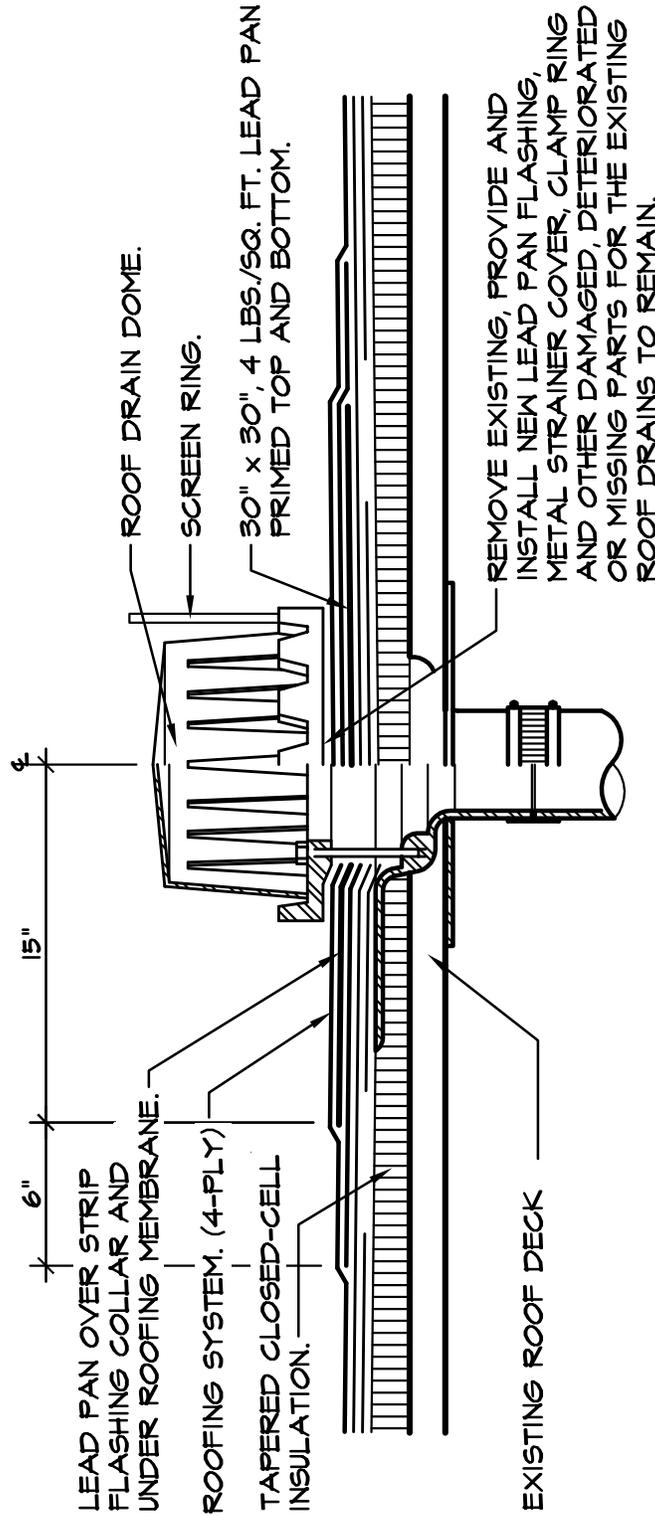
REVISIONS:

DATE:	2008
DRAWN BY:	T.S.
CHECKED BY:	
CAD FILE:	ROOF DETAILS.DWG

**DISCONNECTED ROOF PENETRATION DETAIL**

SHEET NO.  
**RD-19**  
 OF 2  
 DRAWING FILE NO.

**CITY OF FORT LAUDERDALE**  
 PUBLIC WORKS DEPARTMENT  
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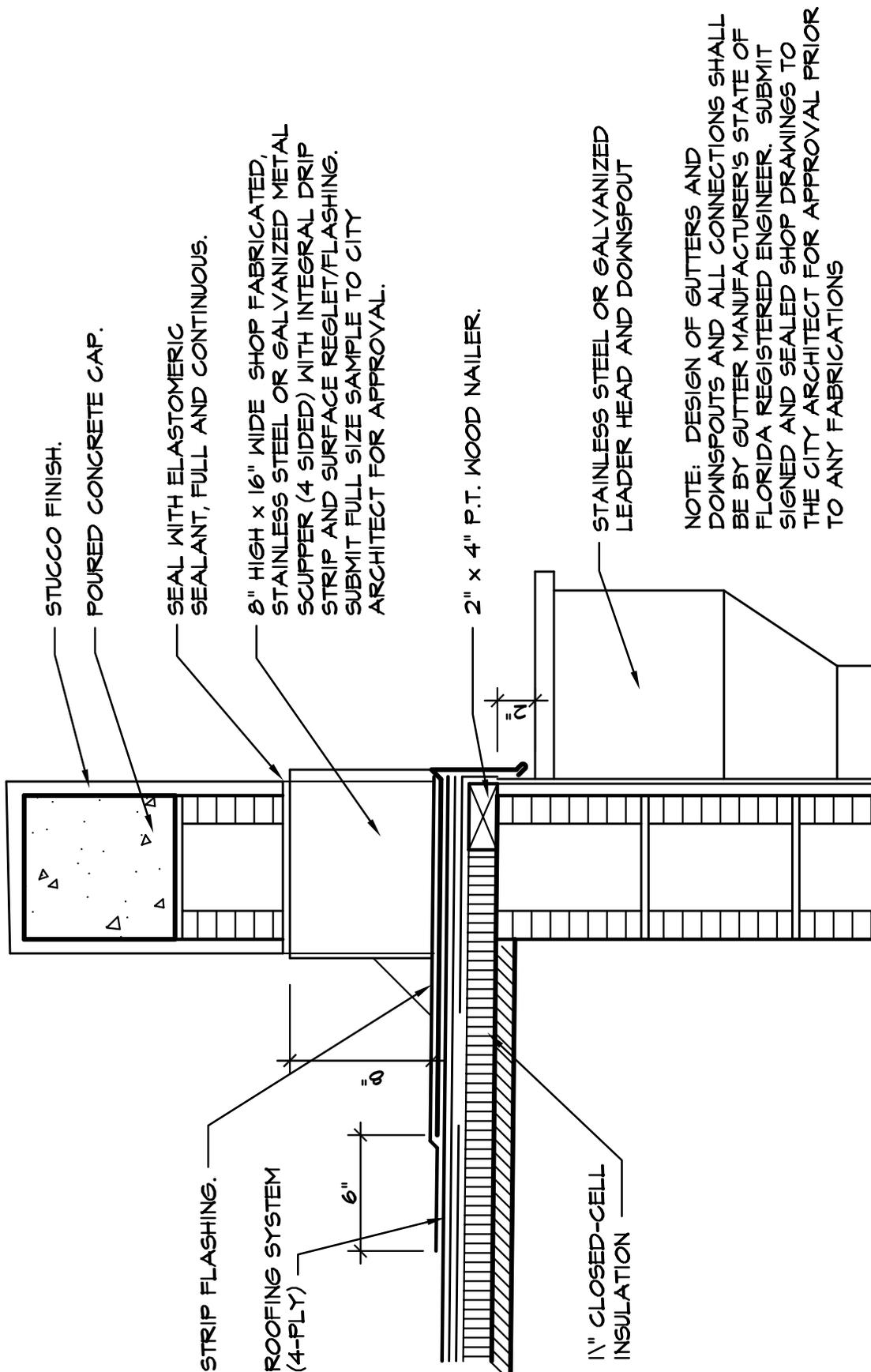
**CITY OF FORT LAUDERDALE**  
**PUBLIC WORKS DEPARTMENT**  
**ARCHITECTURAL BUREAU**  
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 100 North Andrews Avenue, 5th Floor, Fort Lauderdale, Florida 33301

REVISIONS:

DATE:	2005
DRAWN BY:	T.S.
CHECKED BY:	
CAD FILE:	ROOF DETAILS.DWG

**ROOF DRAIN DETAIL**

SHEET NO.	<b>RD-20</b>
OF	<b>22</b>
DRAWING FILE NO.	



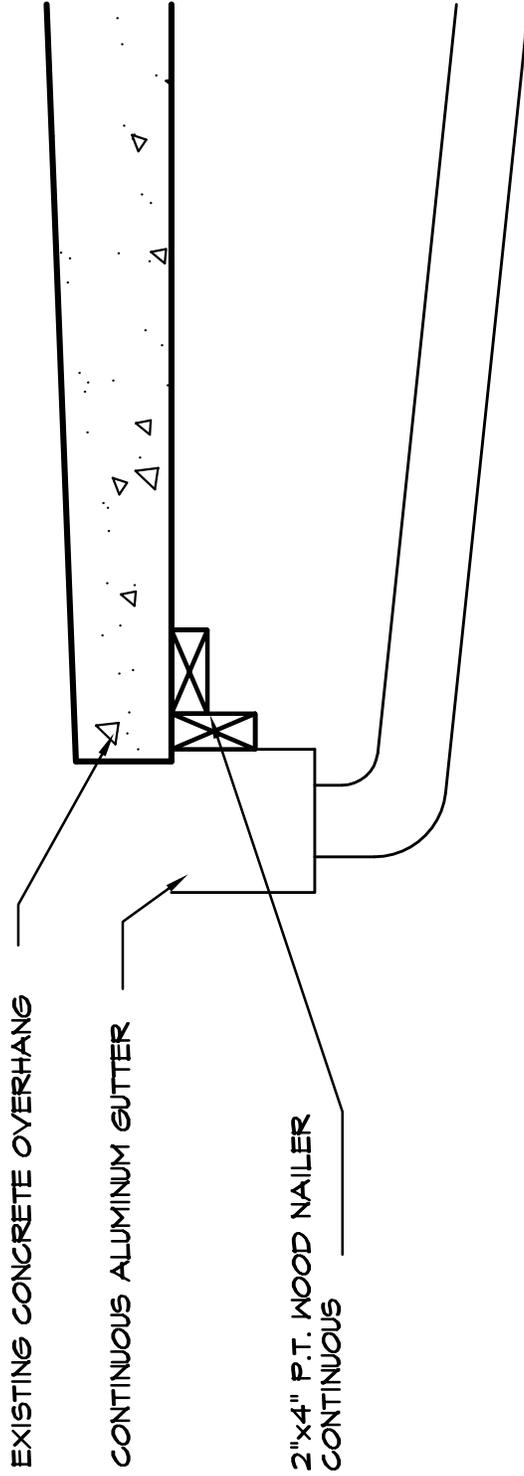
REVISIONS:

DATE:	2008
DRAWN BY:	T.S.
CHECKED BY:	
CAD FILE:	ROOF DETAILS.DWG

**ROOF SCUPPER DETAIL**

SHEET NO.  
**RD-21**  
OF  
2  
DRAWING FILE NO.

**CITY OF FORT LAUDERDALE**  
PUBLIC WORKS DEPARTMENT  
ARCHITECTURAL BUREAU  
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**CITY OF FORT LAUDERDALE**  
**PUBLIC WORKS DEPARTMENT**  
**ARCHITECTURAL BUREAU**  
 Architecture • Landscape Architecture • Project Management  
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REVISIONS:

DATE:	2008
DRAWN BY:	T.S.
CHECKED BY:	
CAD FILE:	ROOF DETAILS.DWG

**GUTTER DETAIL AT ROOF OVERHANG**

SHEET NO.  
**RD-22**  
 OF 22  
 DRAWING FILE NO.

**QUESTIONNAIRE SHEET**  
**INVITATION TO BID 662-9463**

**PLEASE PRINT OR TYPE:**

Firm Name: \_\_\_\_\_

President: \_\_\_\_\_

Business Address: \_\_\_\_\_

Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

What was the last project of this nature which you completed?

The following are named as three corporations and representatives from those corporations for which you have performed work and which the City may contact as your references (include addresses and telephone numbers):

The following is given as a summary of the Financial Statement of the firm. List assets and liabilities; supplement by attaching copy of Financial Statement.

How many years has your organization been in business? \_\_\_\_\_

Have you ever failed to complete work awarded to you; if so, where and why?

The name of the qualifying agent for the firm and his position is: \_\_\_\_\_

Certificate of Competency Number of Qualifying Agent:

-

Effective Date: \_\_\_\_\_ Expiration Date: \_\_\_\_\_

Licensed in: \_\_\_\_\_  
(County/State)

Engineering Contractor's License # \_\_\_\_\_

Expiration Date: \_\_\_\_\_

**NOTE: A Broward County Engineering Contractor's License and/or the appropriate license issued by the State of Florida is required for working within public rights-of-way. Contractor must have proper licensing prior to submitting bid and must submit evidence of same with bid.**

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Rev.11/15/00

-

**QUESTIONNAIRE SHEET**

**INVITATION TO BID 662-9463**

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1. You shall personally inspect the proposed work and have a complete plan for its performance. Should you have comments, please state below.

---

2. Will you sublet any part of this work? If so, list the portions or specialties of the work that you will.

a) \_\_\_\_\_

b) \_\_\_\_\_

c) \_\_\_\_\_

d) \_\_\_\_\_

e) \_\_\_\_\_

f) \_\_\_\_\_

g) \_\_\_\_\_

---

3. What equipment do you own that is available for the work?

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4. What equipment will you purchase for the proposed work?

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5. What equipment will you rent for the proposed work?



Rev.3/5/96

P-5

**INVITATION TO BID 662-9463**

CITY OF FORT LAUDERDALE  
PUBLIC WORKS DEPARTMENT  
(ENGINEERING AND ARCHITECTURAL SERVICES)

MINORITY BUSINESS ENTERPRISE (MBE) - WOMEN BUSINESS ENTERPRISE (WBE)

PRIME CONTRACTOR IDENTIFICATION FORM

In order to assist us in identifying the status of those companies doing business with the City of Fort Lauderdale, this form must be completed and returned with your bid package.

Name of Firm:

Address of Firm:

Telephone Number:

Name of Person Completing Form:

Title:

Signature:

Date:

City Project Number:

Project Description:

Please check the item(s) which properly identify the status of your firm:

- Our firm is not a MBE or WBE.
- Our firm is a MBE, as at least 51 percent is owned and operated by one or more socially and economically disadvantaged individuals.
  - American Indian
  - Asian
  - Black
  - Hispanic
- Our firm is a WBE, as at least 51 percent is owned and operated by one or more women.

Hispanic      e American Indian  
                         e White

e Asian

e Black

e

MBE-1

Rev.12/12/95

**INVITATION TO BID 662-9463**

## MBE/WBE CONTRACTOR INFORMATION

The City, in a continuing effort, is encouraging the increased participation of minority and women-owned businesses in Public Works Department (Engineering and Architectural Services) related contracts. Along those lines, we are requiring that each firm provide documentation detailing their own programs for utilizing minority and women-owned businesses.

Your firm should submit this information as a part of this bid package and refer to the checklist, to ensure that all areas of concern are covered. The low responsive bidder will be contacted to schedule a meeting to discuss these objectives. It is our intention to proceed as quickly as possible with this project, so your cooperation in this matter is appreciated.

### CONTRACTOR CHECKLIST

- ☐ List Previous City Contracts
  
- ☐ Number of Employees in your firm
  - Percent (%) Women
  - Percent (%) Minorities
  - Job Classifications of Women and Minorities
  
- ☐ Use of minority and/or women subcontractors on past projects.
  
- ☐ Nature of the work subcontracted to minority and/or women-owned firms.
  
- ☐ How are subcontractors notified of available opportunities with your firm?
  
- ☐ Anticipated amount to be subcontracted on this project.
  
- ☐ Anticipated amount to be subcontracted to minority and/or women-owned businesses on this project.

MBE-2

Rev.12/12/95

**NON-COLLUSION STATEMENT:**

By signing this offer, the vendor/contractor certifies that this offer is made independently and free from collusion. Vendor shall disclose below, to their best knowledge, any City of Fort Lauderdale, FL officer or employee, or any relative of any such officer or employee as defined in Section 112.3135 (1) (c), Fla. Stat. (1989), who is an officer or director of, or has a material interest in, the vendor's business, who is in a position to influence this procurement. Any City of Fort Lauderdale, FL officer or employee who has any input into the writing of specifications or requirements, solicitation of offers, decision to award, evaluation of offers, or any other activity pertinent to this procurement is presumed, for purposes hereof, to be in a position to influence this procurement. For purposes hereof, a person has a material interest if they directly or indirectly own more than 5 percent of the total assets or capital stock of any business entity, or if they otherwise stand to personally gain if the contract is awarded to this vendor.

In accordance with City of Fort Lauderdale, FL Policy and Standards Manual, 6.10.8.3,

3.3. City employees may not contract with the City through any corporation or business entity in which they hold a controlling financial interest (ownership of five (5) percent or more), unless in their City duties they are not involved in:

- 3.3.1 The award of the contract, or
- 3.3.2 Determining contract provisions, or
- 3.3.3 The enforcement of the contract.

**Failure of a vendor to disclose any relationship described herein shall be reason for debarment in accordance with the provisions of the City Procurement Code.**

<u>NAME</u>	<u>RELATIONSHIPS</u>

**In the event the vendor does not indicate any names, the City shall interpret this to mean that the vendor has indicated that no such relationships exist.**

BID TENDER  
PROJECT 16059-A  
INVITATION TO BID 662-9463  
STEEP SLOPE RE-ROOFING AND REPAIR PROJECTS (RE BID)

TO THE COMMISSION OF THE CITY OF  
FORT LAUDERDALE, FLORIDA

Gentlemen:

The undersigned bidder proposes to furnish all labor, tools, material and supplies, and to sustain all the expense incurred in doing the work set forth below that may be awarded the undersigned by the City of Fort Lauderdale, Florida, through its proper officers, and to do the same strictly in accordance with the plans and contract documents on file in the Office of the City Engineer of Fort Lauderdale, which are referred to below and made a part hereof, at the following unit prices, to-wit:

The following unit prices are associated with roofing, re-roofing and roof repair components. The City may choose different contractors for various complete low slope re-roofing or roofing repair projects. To be considered for these projects, please be comprehensive in filling out the items involved below. All items are based on a complete 4-ply SBS modified bitumen system (granular cap sheet). All installations shall meet all State of Florida requirements and Miami-Dade Notice of Acceptance (NOA) for high velocity. Please also refer to the typical Detail Drawings sections of this package.

Three (3) levels of work scope are indicated for most of the Proposal items. Small repair jobs from 0 to 500 square feet (S.F.), medium size roofing jobs 501 to 10,000 S.F., and large roofing jobs over 10,001 S.F. An approximate quantity is also provided and the "unit price" and total blanks to be completed by Bidder. All proposal line items shall include maintenance, insurance, overhead, and other fixed costs.

Please complete the following:

Base bid shall include:

ROOF MANUFACTURER'S NAME:

ROOF BRAND NAME:

INSULATION MANUFACTURER'S NAME:

INSULATION NAME:

ROOFING SYSTEM WARRANTY & PERIOD:

PROPOSAL (Continued)     PROJECT 16059-A

INVITATION TO BID 662-9463

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(TOTAL WRITTEN DOLLAR AMOUNT)

The Bid quantities are based on a portion of the total quantities of the listed items contained in the projects. There is no guarantee that the successful Bidder (s) will be authorized for the full amount of this Bid. The successful Bidder (s) will be issued a Work Order (s) with specific quantities with the value of the Work Order determined by the unit prices contained in this Proposal.

The Bid shall remain valid for a period of 90 days from the date of bid opening. Selection shall be based on the Bid amount, which is approximately 25% of the total anticipated work. The unit prices of the successful Bidder will remain in effect for the term of the contract as stated on the Notice to Contractors page (NTC-1), as well as agreed to contract extension, and will form the basis for Work Orders costs.

The City reserves the right to accept or reject any or all bids, part of bids, and to waive minor irregularities or variations to specifications contained in bids, and minor irregularities in the bidding process. The City reserves the right to make an award to the responsive and responsible bidder or bidders whose product or service meets the terms, conditions, and specifications of the bid and whose bid (s) is considered to best serve the City's interest.

Permit fee will be reimbursed to the Contractor. For payment purposes, receipt must accompany invoice to the City.

P-1(l)

Rev.3/5/96

PROPOSAL (Continued)

PROJECT 16059-A

INVITATION TO BID 662-9463

The work described below includes all the necessary removal of materials attendant upon the construction of the work complete in place, and the disposal of all excess material and the final cleaning up of the work.

State the true, exact, correct and complete name of the partnership, corporation, or trade name under which you do business, and the address of the place of business (Post Office Box is inappropriate). IF A CORPORATION, state the name of the President, Secretary and Resident Agent. IF A PARTNERSHIP, state the names of all partners. IF A TRADE NAME, state the names of the individuals who do business under the trade name. If the firm is a foreign corporation (i.e., non-Florida), it must be authorized to do business in the State of Florida by the Florida Secretary of State. PLEASE PRINT OR TYPE.

Firm Name:

Address:

Telephone:  Fax:

(Name)

(Title)

(Name)

(Title)

(Name)

(Title)

(Attach additional sheets, if necessary).

The undersigned bidder acknowledges that he may be required to furnish additional information as deemed necessary by the Office of the City Engineer, Public Works Department (Engineering and Architectural Services), to update their records should he be awarded the work described below.

The undersigned bidder affirms that he has or will obtain all equipment necessary to complete the work described, that he has or will obtain all required permits and licenses from the appropriate agencies, and that his firm is authorized to do business in the State of Florida.

The undersigned bidder has not divulged to, discussed, or compared this bid with other bidders, and has not colluded with any other bidder or parties to a bid whatsoever. Further, the undersigned guarantees the truth and accuracy of all statements and answers contained in this proposal.

If responding to this solicitation through RFP Depot, the electronic version of the bid response will prevail, unless a paper version is clearly marked **by the bidder** in some manner to indicate that it will supplant the electronic version.

**CONTRACTOR, IF FOREIGN CORPORATION, SHALL BE REQUIRED TO OBTAIN A CERTIFICATE OF AUTHORITY FROM THE DEPARTMENT OF STATE, IN ACCORDANCE WITH FLORIDA STATUE §607.1501 (visit <http://www.dos.state.fl.us/doc/>)**

Rev.3/5/96

PROPOSAL (Continued)    PROJECT 16059-A

INVITATION TO BID 662-9463

The undersigned bidder proposes to begin work within the time specified in the General Conditions after notice has been given by the City Engineer and to complete the work within N/A working days from the date of such notice.

The undersigned acknowledges receipt of the Addenda listed below (if applicable) and further acknowledges that the provisions of each Addendum have been included in the preparation for this Bid.

<u>Addendum No.</u>	<u>Date Received</u>	<u>Addendum No.</u>	<u>Date Received</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

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

\_\_\_\_\_  
(Witness - Print or Type Name)

BY: \_\_\_\_\_  
(Signature)                      (Seal)

\_\_\_\_\_  
(Witness – Print or type Name)

TITLE: President ( e ) Vice-President ( e )

Rev.3/5/96