



**ADDENDUM 02
For
Invitation for Bid # 2026-S1138**

**Roofing Products and Services, Waterproofing,
and Related Products and Services**

Addendum 02 Issue Date: August 31, 2026

Purpose: The purpose of the addendum is to make changes, additions, deletions, revisions, and clarifications to the first submission documents dated August 6, 2026, for the above referenced project. Details of this addendum are to be incorporated into the first submission. All other terms and provisions of initial project submission shall remain in full force and effect.

Changes:

1. Update to Attachment A – Bid Form to insert 2 missing items, as shown below. Bidder should utilize the attached revised Attachment A – Bid Form when completing and submitting their bid:

Additional Roofing Configurations		UNIT	\$ per Unit
24.01.022	1 Ply Modified Base Sheet BASE PLY OPTION: ASTM D 6162 SBS. Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - 550 lbf/in tensile	SF	
24.03.02	1 Ply High Performance Cap Sheet Polyurethane Resin Modified, Adhered and with Finished Surfacing ROOFING MEMBRANE: ASTM D 6163 Fiberglass Reinforced Asphalt-Based Membrane Modified with a Specially-Designed Polyurethane Resin Mineral-Surfaced Modified Bituminous Sheet Material Type III - 215 lbf/in tensile	SF	

END OF ADDENDUM 02

ATTACHMENT A BID FORM

Line Item Multiplier to Adjust Labor Costs Based Upon the Prevailing Wage Rate. Prevailing wage found at <https://apps.labor.ny.gov/wpp/publicViewPWChanges.do?method=showIt>

Journeyman Prevailing Wage Rate	Multiplier for Prevailing Wage Rates		
	Roofer	Mason	Sheet Metal
\$10.00			
\$12.50			
\$15.00			
\$17.50			
\$20.00			
\$22.50			
\$25.00			
\$27.50			
\$30.00			
\$32.50			
\$35.00			
\$37.50			
\$40.00			
\$42.50			
\$45.00			
\$47.50			
\$50.00			
\$52.50			
\$55.00			
\$57.50			
\$60.00			
\$62.50			
\$65.00			
\$67.50			
\$70.00			
\$72.50			
\$75.00			
\$77.50			
\$80.00			
\$82.50			
\$85.00			
\$87.50			
\$90.00			
\$92.50			
\$95.00			
\$97.50			
\$100.00			
\$102.50			
\$105.00			
\$107.50			
\$110.00			
\$112.50			
\$115.00			
\$117.50			
\$120.00			

**IFB #2026-S1138 - Roofing Products and Services, Waterproofing, and Related Products and Services
Attachment C - Bid Form**

Line Item		Unit	\$ per Unit
1.00	Roof Management, Design Assistant and/or Professional Services		
1.01	Full-time Quality Assurance monitoring	DAY	
1.02	Asbestos core testing and analysis (testing only, excludes labor for sampling and repair)	EA	
1.03	Analysis and evaluation (14" x 14" roof core) (Lab testing only, repairs charged at roof repair rates for appropriate system type)	EA	
1.04	Aerial Roof Survey - Roof Pictures & Drawings Including Geometries, Slope, Calculated Area and Perimeter Measurements	EA	
1.05	Aerial Wall Survey - Wall Pictures & Drawings Including Geometries, Calculated Area and Perimeter Measurements	EA	
1.06	Manufacturer Standing Seam Material Quantity Estimating	EA	
1.07	Nuclear Moisture Survey, Non destructive roof scan		
1.07.01	Non destructive roof scan, up to 20 000 SF	EA	
1.07.02	Non destructive roof scan, over 20,000 SF	SF	
1.08	Infrared Moisture Scanning		
1.08.01	Non destructive infrared roof scan, up to 20 000 SF	EA	
1.08.02	Non destructive infrared roof scan, over 20,000 SF	SF	
1.08.03	Aerial infrared roof scan at night	TRIP	
1.09	Infrared scanning equipment rental	DAY	
1.10	Roof investigation (visual roof survey)		
1.10.01	Roof Investigation (Roof by Roof), per hour	HOURL	
1.10.02	Visual Roof Survey (Roof by Roof) up to 20,000 SF	EA	
1.10.03	Visual Roof Survey (Roof by Roof) over 20,000 SF	SF	
1.10.04	Visual Roof Survey (Single Campus - All Roof Sections)	SF	
1.10.05	Visual Roof Survey (Multiple Campuses City-/County-wide - All Roof Sections)	SF	
1.10.06	Visual Roof Survey (Multiple Campuses State-wide - All Roof Sections)	SF	
1.10.07	Roof core cut (roof by roof)	EA	
1.10.08	Roof core cut per roof section (all roof sections on campus(s))	EA	
1.11	Comprehensive reporting		
1.11.01	Comprehensive report for visual survey (Roof by Roof)	EA	
1.11.02	Comprehensive report for visual survey(All Roof Sections on Campus(es)	EA	
1.11.03	Comprehensive report for each roof section(s) surveyed (Item 1.07) or scanned (Item 1.08)	EA	
1.11.04	Comprehensive report entered into on-line data base for dynamic reporting and tracking all roofing sections on Campus(s)	EA	
1.12	Manufacturer's Technical Representative Contractor Training Session at Job Start-Up	DAILY	
1.13	Wind Uplift Testing – Mobilize and provide wind uplift testing per Factory Mutual System Roof Design Manual FM 1-52	EA	
1.14	Roof drawings to scale with all rooftop equipment and penetrations		
1.14.01	Roof drawings (Roof by Roof)	EA	
1.14.02	Roof drawings (All Roof Sections on Campus(es)	EA	
1.15	Project Building Code Review	EA	
1.16	Additional and Occasional Services		
1.16.01	Project Architect for Design Professional Services	HOURL	
1.16.02	Principle Architect for Design Professional Services	HOURL	
1.16.03	Project Engineer for Engineering Reviews	HOURL	
1.16.04	Principle Architect for Engineering Reviews	HOURL	
1.16.06	Roof Consultant	HOURL	
1.16.07	Full-Time Job Site Superintendent	DAY	
1.16.08	CAD Draftsman	HOURL	
1.17	Laboratory Analysis		
1.17.01	Laboratory Fungal Analysis: Cultured Fungi Identification & Enumeration (Not including engineering time for sampling)	EA	
1.17.02	Laboratory Fungal Analysis: Total Fungi Spore Count (Not including engineering time for sampling)	EA	
1.17.03	Laboratory Mold Analysis: Viable Airborne Mold Analysis (Not including engineering time for sampling)	EA	
1.17.04	Laboratory Analysis: Viable Surface Swab or Bulk Substrate Analysis (Not including engineering time for sampling)	EA	
1.17.05	Laboratory Analysis: Non-Viable Surface Swab or Bulk Substrate Analysis (Not including engineering time for sampling)	EA	
1.17.06	Destructive Roof Sample Analysis: Comprehensive laboratory testing of a core sample from an existing roof to include tensile/tear strength, scrim type, interply bitumen weight and roof composition; Repair the roof core area with similar materials.	EA	
1.18	Travel Expenses		
1.18.01	Per Diem – Meals and Incidentals	DAY	

1.18.02	Lodging		DAY	
1.18.03	Mileage on Company / Personal Vehicle		MILE	
1.18.04	Airfare (Economy)		JOB	
1.18.05	Vehicle Rental		DAY	
1.19	Seamer Rental Charges		DAY	
1.20	Set-up Charges for Metal In-Shop Fabrication		EA	
1.21	Set-up On-Site Roll Forming		EA	
1.22	Roof Fastener Pull Tests (As Many as Required per Roof Section)		EA	
1.23	Wind Uplift Design Calculations		EA	
1.24	Roof Drainage Capacity Calculations		EA	
1.25	Roof Edge Metal Calculations - ANSI/SPRI ES-1 Standards		EA	
1.26	Dew Point Calculations		EA	
1.27	Energy Payback Calculations		EA	
1.28	Project Life-Cycle Cost Calculation		EA	
1.29	Substantial Completion Walkthrough with Report and Punchlist			
1.30	Final Walkthrough with Report		EA	
1.31	On-Site Quality Control Inspections with Report from Manufacturer's Rep - 3 Days per Week		WEEK	
1.32	"As-Built" Drawings Upon Project Completion		EA	
1.33	R.A. or P.E. Reviewed and Stamped Shop Drawings		EA	
1.34	R.A. or P.E. Reviewed and Stamped Specifications		EA	
1.35	Non-R.A./P.E. Reviewed Shop Drawings		EA	
1.36	Project Design Assistance - Hourly Rate for Consultations with Architect of Record		EA	
1.37	Project Design Assistance - Development of a recommended specification for a roofing or waterproofing project		EA	
1.38	Roof Asset Management Report with recommended options for future course of actions and associated budgets for capital expense and maintenance planning.		EA	
1.39	Five year capital expense and maintenance plan (All roof section on for campus(es))		EA	
1.40	Additional Professional Services			
1.40.01	Option 1: Professional Services (Third party architectural design, engineering or consulting services quote on corporate letterhead) Cost plus added to quote		%	
1.40.02	Option 2: R.S. Means or Gordian Group Catalog (Used when professional services line item pricing is not available) Cost plus added to catalog pricing		%	
2.00	Tear-off & Dispose of Debris			
2.01	SYSTEM TYPE BUR W/ Insulation and Gravel Surfacing - Metal Deck		SF	
2.02	SYSTEM TYPE BUR W/ Insulation and Gravel Surfacing - Wood / Tectum Deck		SF	
2.03	SYSTEM TYPE BUR W/ Insulation and Gravel Surfacing - Lightweight / Gyp Deck		SF	
2.04	SYSTEM TYPE BUR W/ Insulation and Gravel Surfacing - Concrete Deck		SF	
2.05	SYSTEM TYPE BUR W/ Insulation and Mineral Surfacing - Metal Deck		SF	
2.06	SYSTEM TYPE BUR W/ Insulation and Mineral Surfacing - Wood / Tectum Deck		SF	
2.07	SYSTEM TYPE BUR W/ Insulation and Mineral Surfacing - Lightweight / Gyp Deck		SF	
2.08	SYSTEM TYPE BUR W/ Insulation and Mineral Surfacing - Concrete Deck		SF	
2.09	SYSTEM TYPE Single-Ply W/ Insulation - Metal Deck		SF	
2.10	SYSTEM TYPE Single-Ply W/ Insulation - Wood / Tectum Deck		SF	
2.11	SYSTEM TYPE Single-Ply W/ Insulation - Lightweight / Gyp Deck		SF	
2.12	SYSTEM TYPE Single-Ply W/ Insulation - Concrete Deck		SF	
2.13	SYSTEM TYPE Ballasted Single-Ply W/ Insulation - Metal Deck		SF	
2.14	SYSTEM TYPE Ballasted Single-Ply W/ Insulation - Wood / Tectum Deck		SF	
2.15	SYSTEM TYPE Ballasted Single-Ply W/ Insulation - Lightweight / Gyp Deck		SF	

2.16	SYSTEM TYPE Ballasted Single-Ply W/ Insulation - Concrete Deck	SF	
2.17	SYSTEM TYPE Coal Tar BUR W/ Insulation and Gravel Surfacing - Metal Deck	SF	
2.18	SYSTEM TYPE Coal Tar BUR W/ Insulation and Gravel Surfacing - Wood / Tectum Deck	SF	
2.19	SYSTEM TYPE Coal Tar BUR W/ Insulation and Gravel Surfacing - Lightweight / Gyp Deck	SF	
2.20	SYSTEM TYPE Coal Tar BUR W/ Insulation and Gravel Surfacing - Concrete Deck	SF	
2.21	SYSTEM TYPE Coal Tar BUR W/ Insulation and Mineral Surfacing - Metal Deck	SF	
2.22	SYSTEM TYPE Coal Tar BUR W/ Insulation and Mineral Surfacing - Wood / Tectum Deck	SF	
2.23	SYSTEM TYPE Coal Tar BUR W/ Insulation and Mineral Surfacing - Lightweight / Gyp Deck	SF	
2.24	SYSTEM TYPE Coal Tar BUR W/ Insulation and Mineral Surfacing - Concrete Deck	SF	
2.25	SYSTEM TYPE Metal Roofing System - Metal Deck	SF	
2.26	SYSTEM TYPE Metal Roofing System - Wood / Tectum Deck	SF	
2.27	SYSTEM TYPE Metal Roofing System - Lightweight / Gypsum Deck	SF	
2.28	SYSTEM TYPE Metal Roofing System - Concrete Deck	SF	
2.29	SYSTEM TYPE Dimensional/Architectural Shingle Roof - Wood Deck	SF	
2.30	SYSTEM TYPE 3-Tab Shingle Roof - Wood Deck	SF	
2.31	SYSTEM TYPE Clay Tile Shingle Roof - Wood Deck	SF	
2.32	SYSTEM TYPE Concrete Tile Shingle Roof - Wood Deck	SF	
2.33	SYSTEM TYPE Slate Tile Shingle Roof - Wood Deck	SF	
2.34	SYSTEM TYPE Cedar / Wood Shake Shingle Roof - Wood Deck	SF	
2.35	SYSTEM TYPE Add to save good Clay Tile Shingles for reuse	SF	
2.36	SYSTEM TYPE Add to save good Concrete Tile Shingles for reuse	SF	
2.37	SYSTEM TYPE Add to save good Slate Tile Shingles for reuse	SF	
2.38	SYSTEM TYPE Add to save good Cedar / Wood Shake Shingles for reuse	SF	
2.39	SYSTEM TYPE Polyurethane Foam (PUF) Roof (Average of 2" thick) W/ Underlying Insulation and UV-Resistant Coating - Metal Deck	SF	
2.40	SYSTEM TYPE Polyurethane Foam (PUF) Roof (Average of 2" thick) W/ Underlying Insulation and UV-Resistant Coating - Wood / Tectum Deck	SF	
2.41	SYSTEM TYPE Polyurethane Foam (PUF) Roof (Average of 2" thick) W/ Underlying Insulation and UV-Resistant Coating - Lightweight / Gyp Deck	SF	
2.42	SYSTEM TYPE Polyurethane Foam (PUF) Roof (Average of 2" thick) W/ Underlying Insulation and UV-Resistant Coating - Concrete Deck	SF	
2.43	SYSTEM TYPE Add of Each Additional Average Depth 1" of Polyurethane Foam (PUF) Roofing	SF	
2.44	SYSTEM TYPE BUR w/ Gravel Surfacing to the Existing Insulation (Insulation to be Re-Used)	SF	
2.45	SYSTEM TYPE BUR w/ Mineral Surfacing to the Existing Insulation (Insulation to be Re-Used)	SF	
2.46	SYSTEM TYPE Single-Ply to the Existing Insulation (Insulation to be Re-Used)	SF	

2.47	SYSTEM TYPE Ballasted Single-Ply to the Existing Insulation (Insulation to be Re-Used)	SF	
2.48	SYSTEM TYPE Coal Tar BUR with Gravel Surfacing to the Existing Insulation (Insulation to be Re-Used)	SF	
2.49	SYSTEM TYPE Coal Tar BUR with Mineral Surfacing to the Existing Insulation (Insulation to be Re-Used)	SF	
2.99	MULTIPLIER - TEAR-OFF & DISPOSE OF DEBRIS Each Additional Roof System	%	
3.00	Removal & Replacement of Roof Deck		
3.01	DECK TYPE Spot Metal Deck Replacement (Multiple areas under 1 square)	SF	
3.02	DECK TYPE Spot Wood Deck Replacement (Multiple areas under 1 square)	SF	
3.03	DECK TYPE Spot Gypsum Deck Replacement (Multiple areas under 1 square)	SF	
3.04	DECK TYPE Spot Concrete Deck Replacement (Multiple areas under 1 square)	SF	
3.05	DECK TYPE Spot Lightweight Deck Replacement (Multiple areas under 1 square)	SF	
3.06	DECK TYPE Spot Tectum Deck Replacement (Multiple areas under 1 square)	SF	
3.07	DECK TYPE Large Areas of Metal Deck Replacement (Replacement areas averaging greater than 1 square)	SF	
3.08	DECK TYPE Large Areas of Wood Deck Replacement (Replacement areas averaging greater than 1 square)	SF	
3.09	DECK TYPE Large Areas of Gypsum Deck Replacement (Replacement areas averaging greater than 1 square)	SF	
3.10	DECK TYPE Large Areas of Concrete Deck Replacement (Replacement areas averaging greater than 1 square)	SF	
3.11	DECK TYPE Large Areas of Lightweight Deck Replacement (Replacement areas averaging greater than 1 square)	SF	
3.12	DECK TYPE Large Areas of Tectum Deck Replacement (Replacement areas averaging greater than 1 square)	SF	
4.00	Insulation Recovery Board & Insulations Options		
4.01	RECOVERY BOARD TYPE 1/2" Wood Fiber or Perlite Board Installed Over an Existing Roof Adhered in Hot ASTM D 312 Type III or IV Asphalt; Mopped	SF	
4.02	RECOVERY BOARD TYPE 1/2" Wood Fiber or Perlite Board Installed Over an Existing Roof Adhered with Insulation Adhesive	SF	
4.03	RECOVERY BOARD TYPE 1/2" Wood Fiber or Perlite Board Installed Over an Existing Roof Mechanically Fastened to Roof Deck - Metal Deck	SF	
4.04	RECOVERY BOARD TYPE 1/2" Wood Fiber or Perlite Board Installed Over an Existing Roof Mechanically Fastened to Roof Deck - Wood / Tectum Deck	SF	
4.05	RECOVERY BOARD TYPE 1/2" Wood Fiber or Perlite Board Installed Over an Existing Roof Mechanically Fastened to Roof Deck - Lightweight / Gypsum Deck	SF	
4.06	RECOVERY BOARD TYPE 1/2" Wood Fiber or Perlite Board Installed Over an Existing Roof Mechanically Fastened to Roof Deck - Concrete Deck	SF	
4.07	RECOVERY BOARD TYPE 1/2" Treated Gypsum Insulation Board with Glass-Mat (e.g. DensDeck / Securock / Equal) Installed Over an Existing Roof Adhered in Hot ASTM D 312 Type III or IV Asphalt; Mopped	SF	
4.08	RECOVERY BOARD TYPE 1/2" Treated Gypsum Insulation Board with Glass-Mat (e.g. DensDeck / Securock / Equal) Installed Over an Existing Roof Adhered with Insulation Adhesive	SF	
4.09	RECOVERY BOARD TYPE 1/2" Treated Gypsum Insulation Board with Glass-Mat (e.g. DensDeck / Securock / Equal) Installed Over an Existing Roof Mechanically Fastened to Roof Deck - Metal Deck	SF	
4.10	RECOVERY BOARD TYPE 1/2" Treated Gypsum Insulation Board with Glass-Mat (e.g. DensDeck / Securock / Equal) Installed Over an Existing Roof Mechanically Fastened to Roof Deck - Wood / Tectum Deck	SF	

4.11	RECOVERY BOARD TYPE 1/2" Treated Gypsum Insulation Board with Glass-Mat (e.g. DensDeck / Securock / Equal) Installed Over an Existing Roof Mechanically Fastened to Roof Deck - Lightweight / Gypsum Deck	SF	
4.12	RECOVERY BOARD TYPE 1/2" Treated Gypsum Insulation Board with Glass-Mat (e.g. DensDeck / Securock / Equal) Installed Over an Existing Roof Mechanically Fastened to Roof Deck - Concrete Deck	SF	
4.13	ADDITIONAL INSULATION OPTION (OVER AN EXISTING ROOF) Install 1.0" of Polyisocyanurate Insulation Over an Existing Roof. All Wet Insulation Must be Replaced Prior to Installation of New Course of Insulation	SF	
4.14	ADDITIONAL INSULATION OPTION (OVER AN EXISTING ROOF) Install 1.5" of Polyisocyanurate Insulation Over an Existing Roof. All Wet Insulation Must be Replaced Prior to Installation of New Course of Insulation	SF	
4.15	ADDITIONAL INSULATION OPTION (OVER AN EXISTING ROOF) Install 2.0" of Polyisocyanurate Insulation Over an Existing Roof. All Wet Insulation Must be Replaced Prior to Installation of New Course of Insulation	SF	
4.16	ADDITIONAL INSULATION OPTION (OVER AN EXISTING ROOF) Install 2.5" of Polyisocyanurate Insulation Over an Existing Roof. All Wet Insulation Must be Replaced Prior to Installation of New Course of Insulation	SF	
4.17	ADDITIONAL INSULATION OPTION (OVER AN EXISTING ROOF) Add for Cutting New Insulation to Match the Profile of an Existing Metal Roof.	SF	
4.18	INSULATION SUBSTITUTION OPTION Deduct for Providing an R-Value of greater than or equal to 10, but less than 15; instead of the Standard R-Value of 20 (Should be Negatively Priced) - All Applications Other Than Metal Roof Systems	SF	
4.19	INSULATION SUBSTITUTION OPTION Deduct for Providing an R-Value of greater than or equal to 15, but less than 18; instead of the Standard R-Value of 20 (Should be Negatively Priced) - All Applications Other Than Metal Roof Systems	SF	
4.20	INSULATION SUBSTITUTION OPTION: Deduct for Providing an R-Value of greater than or equal to 18, but less than 20 instead of the Standard R-Value of 20 (Should be Negatively Priced) - All Applications Other Than Metal Roof Systems	SF	
4.21	INSULATION SUBSTITUTION OPTION: Add for Providing an R-Value of 25 Instead of the Standard R-Value of 20 - All Applications Other Than Metal Roof Systems	SF	
4.22	INSULATION SUBSTITUTION OPTION: Add for Providing an R-Value of 30 Instead of the Standard R-Value of 20 - All Applications Other Than Metal Roof Systems	SF	
4.23	INSULATION SUBSTITUTION OPTION Substitute 1/2" Treated Gypsum Insulation Board with Glass-Mat (e.g. DensDeck / Securock / Equal) in Place of the Wood Fiber or Perlite - Adhered in Hot ASTM D 312 Type III or IV Asphalt; Mopped	SF	
4.24	INSULATION SUBSTITUTION OPTION Substitute 1/2" Treated Gypsum Insulation Board with Glass-Mat (e.g. DensDeck / Securock / Equal) in Place of the Wood Fiber or Perlite - Adhered with Insulation Adhesive	SF	
4.25	INSULATION SLOPE OPTION Provide a 1/4" Tapered Polyisocyanurate Insulation System while Maintaining the Average R-Value Including Tapered Crickets; Adhered in ASTM D 312 Type III or IV Hot Asphalt; Mopped	SF	
4.26	INSULATION SLOPE OPTION Provide a 1/8" Tapered Polyisocyanurate Insulation System while Maintaining the Average R-Value; Adhered in ASTM D 312 Type III or IV Hot Asphalt; Mopped	SF	
4.27	INSULATION SLOPE OPTION Provide a 1/4" Tapered Polyisocyanurate Insulation System while Maintaining the Average R-Value Including Tapered Crickets; Adhered with Insulation Adhesive	SF	
4.28	INSULATION SLOPE OPTION Provide a 1/8" Tapered Polyisocyanurate Insulation System while Maintaining the Average R-Value; Adhered with Insulation Adhesive	SF	
4.29	INSULATION SUBSTITUTION OPTION Provide a 1/4" Tapered Insulating Lightweight Concrete System while Maintaining Average R-Value	SF	
4.30	INSULATION SUBSTITUTION OPTION Provide a 1/8" Tapered Insulating Lightweight Concrete System while Maintaining Average R-Value	SF	
4.31	INSULATION ATTACHMENT OPTION: Provide Attachment Pattern in Compliance with FM 1-60 Wind Uplift Instead of FM 1-90	SF	
4.32	INSULATION ATTACHMENT OPTION: Provide Attachment Pattern in Compliance with FM 1-120 Wind Uplift Instead of FM 1-90	SF	
5.00	Coat New Roofing With Elastomeric Coating		

5.01	ROOF SYSTEM TYPE Apply an Acrylic Coating per Specifications (1.5 Gallons per Square per Coat - 2 Coats Required) - Mineral-Surfaced Modified Roof	SF	
5.02	ROOF SYSTEM TYPE Apply an Acrylic Coating per Specifications (1.0 Gallon per Square per Coat - 2 Coats Required) - Smooth-Surfaced Modified Roof	SF	
5.03	ROOF SYSTEM TYPE Apply a bright white, water-based, acrylic-urethane hybrid roof coating per Specifications (1.5 Gallons per Square per Coat - 2 Coats Required) - Mineral-Surfaced Modified Roof	SF	
5.04	ROOF SYSTEM TYPE Apply a bright white, water-based, acrylic-urethane hybrid roof coating per Specifications (1.0 Gallon per Square per Coat - 2 Coats Required) - Smooth-Surfaced Modified Roof	SF	
5.05	ROOF SYSTEM TYPE Apply an Acrylic base coat and a PVDF top coat per Specifications (1.5 Gallons per Square Base Coat - 1/2 Gallon per Square Top Coat) - Mineral-Surfaced Modified Roof	SF	
5.06	ROOF SYSTEM TYPE Apply an Acrylic base coat and a PVDF top coat per Specifications (1 Gallon per Square Base Coat - 1/2 Gallon per Square Top Coat) - Smooth-Surfaced Modified Roof	SF	
5.07	ROOF SYSTEM TYPE Apply an Urethane Coating per Specifications (1 Gallon per Square per Coat - 2 Coats Required) - Smooth or Mineral Surfaced Modified; With Reinforced Seams (Base Coat Seam with 1.5 Gallons per Square & Reinforcement)	SF	
5.08	ROOF SYSTEM TYPE Apply a single-component, aliphatic, polyurea liquid adhesive per Specifications (Apply 1.0 gallon per Square on Seams & wait 24 Hours / Apply base coat at 1.0 gallon per Square / broadcast mineral at 35 lbs. per Square or white gravel at 200 lbs. per Square / wait 24 hours and apply top coat at 1.0 gallon per Square - Mineral-Surfaced Modified	SF	
5.09	ROOF SYSTEM TYPE Apply a single-component, aliphatic, polyurea liquid adhesive per Specifications (apply base coat at 1.0 gallon per Square / broadcast mineral at 35 lbs. per Square or white gravel at 200 lbs. per Square / wait 24 hours and apply top coat at 1.0 gallon per Square - Smooth-Surfaced Modified	SF	
5.10	ROOF SYSTEM TYPE Apply an Aluminum Coating per Specifications (3/4 Gallon per Square per Coat - 2 Coats Required) - Smooth or Mineral Surfaced Modified	SF	
5.11	ROOF SYSTEM TYPE Apply a Fibered Aluminum Coating per Specifications (2 Gallons per Square per Coat - 1 Coat Required) - Smooth or Mineral Surfaced Modified	SF	
6.00	Roof Deck and Insulation Option		
6.01	METAL ROOF DECK - HOT APPLICATION - ASTM D 312 TYPE III OR IV ASPHALT		
6.01.01	INSULATION OPTION:	Mechanically Fasten Polyisocyanurate / Hot Mop Wood Fiber or Perlite to Provide an Average R-Value of 20 In Compliance with FM 1-90 Requirements	SF
6.02	WOOD ROOF DECK - HOT APPLICATION - ASTM D 312 TYPE III OR IV ASPHALT		
6.02.01	INSULATION OPTION:	Mechanically Fasten Polyisocyanurate / Hot Mop Wood Fiber or Perlite to Provide an Average R-Value of 20	SF
6.02.02	INSULATION OPTION:	Without Insulation - Must Include Rosin & Mechanically Fasten Glass Base Sheet	SF
6.03	TECTUM ROOF DECK - HOT APPLICATION - ASTM D 312 TYPE III OR IV ASPHALT		
6.03.01	INSULATION OPTION:	Mechanically Attach Base Sheet Utilizing FM 1-90 Attachment Patterns & Hot Mop Polyisocyanurate / Hot Mop Wood Fiber or Perlite to Provide an Average R-Value of 20	SF
6.03.02	INSULATION OPTION:	Without Insulation - Must Include Rosin & Mechanically Fasten Glass Base Sheet	SF
6.04	LIGHTWEIGHT CONCRETE / GYPSUM ROOF DECK - HOT APPLICATION - ASTM D 312 TYPE III OR IV ASPHALT		
6.04.01	INSULATION OPTION:	Must Mechanically Attach a Base Sheet; Hot Mop Polyisocyanurate / Hot Mop Wood Fiber or Perlite to Provide an Average R-Value of 20 In Compliance FM 1-90 Requirements	SF
6.04.02	INSULATION OPTION:	Without Insulation - Must at Least Mechanically Fasten a Base Sheet to the Roof Deck Prior to Installation Installed with FM 1-90 Attachment Patterns	SF
6.05	CONCRETE ROOF DECK - HOT APPLICATION - ASTM D 312 TYPE III OR IV ASPHALT		

6.05.01	INSULATION OPTION:	Prime Roof Deck; Hot Mop Polyisocyanurate / Hot Mop Wood Fiber or Perlite to Provide an Average R-Value of 20 In Compliance FM 1-90 Requirements	SF	
6.05.02	INSULATION OPTION:	Without Insulation - Prime Roof Deck; Must at Least 1/2" Wood Fiber or Perlite Hot Mopped to Deck In Compliance FM 1-90 Requirements	SF	
6.06	METAL ROOF DECK - COLD PROCESS APPLICATION			
6.06.01	INSULATION OPTION:	Mechanically Fasten Polyisocyanurate / Adhere High Density Asphalt Coated Wood Fiber with Insulation Adhesive to Provide an Average R-Value of 20 In Compliance FM 1-90 Requirements	SF	
6.07	WOOD ROOF DECK - COLD PROCESS APPLICATION			
6.07.01	INSULATION OPTION:	Mechanically Fasten Polyisocyanurate / Adhere High Density Asphalt Coated Wood Fiber with Insulation Adhesive to Provide an Average R-Value of 20	SF	
6.07.02	INSULATION OPTION:	Without Insulation - Must Include Rosin & Mechanically Fasten Glass Base Sheet	SF	
6.08	TECTUM ROOF DECK - COLD PROCESS APPLICATION			
6.08.01	INSULATION OPTION:	Mechanically Attach Base Sheet & Adhere Polyisocyanurate in Insulation Adhesive / Adhere High Density Asphalt Coated Wood Fiber with Insulation Adhesive to Provide an Average R-Value of 20	SF	
6.08.02	INSULATION OPTION:	Without Insulation - Must Include Rosin & Mechanically Fasten Glass Base Sheet	SF	
6.09	LIGHTWEIGHT CONCRETE / GYPSUM ROOF DECK - COLD PROCESS APPLICATION			
6.09.01	INSULATION OPTION:	Must Mechanically Attach a Base Sheet; Adhere Polyisocyanurate in Insulation Adhesive / Adhere High Density Asphalt Coated Wood Fiber with Insulation Adhesive to Provide an Average R-Value of 20 In Compliance FM 1-90 Requirements	SF	
6.09.02	INSULATION OPTION:	Without Insulation - Must at Least Mechanically Fasten a Base Sheet to the Roof Deck Installed with FM 1-90 Attachment Patterns	SF	
6.10	CONCRETE ROOF DECK - COLD PROCESS APPLICATION			
6.10.01	INSULATION OPTION:	Adhere Polyisocyanurate in Insulation Adhesive / Adhere High Density Asphalt Coated Wood Fiber with Insulation Adhesive to Provide an Average R-Value of 20 In Compliance FM 1-90 Requirements	SF	
6.10.02	INSULATION OPTION:	Without Insulation - Must at Least 1/2" High Density Asphalt Coated Wood Fiber Adhered with Insulation Adhesive to Deck In Compliance FM 1-90 Requirements	SF	
6.11	METAL ROOF DECK - TORCH APPLIED / SELF-ADHERING APPLICATION			
6.11.01	INSULATION OPTION:	Mechanically Fasten Polyisocyanurate / Adhere Treated Gypsum Insulation Board with Glass-Mat (e.g. DensDeck / Securock / Equal) with Insulation Adhesive to Provide an Average R-Value of 20 In Compliance FM 1-90 Requirements	SF	
6.12	WOOD ROOF DECK - TORCH APPLIED / SELF-ADHERING APPLICATION			

6.12.01	INSULATION OPTION:	Mechanically Fasten Polyisocyanurate / Adhere Treated Gypsum Insulation Board with Glass-Mat (e.g. DensDeck / Securock / Equal) with Insulation Adhesive to Provide an Average R-Value of 20	SF	
6.12.02	INSULATION OPTION:	Without Insulation - Must Mechanically Attach 1/2" Treated Gypsum Insulation Board with Glass-Mat (e.g. DensDeck / Securock / Equal)	SF	
6.13	TECTUM ROOF DECK - TORCH APPLIED / SELF-ADHERING APPLICATION			
6.13.01	INSULATION OPTION:	Mechanically Attach Base Sheet & Adhere Polyisocyanurate in Insulation Adhesive / Adhere Treated Gypsum Insulation Board with Glass-Mat (e.g. DensDeck / Securock / Equal) with Insulation Adhesive to Provide an Average R-Value of 20	SF	
6.13.02	INSULATION OPTION:	Without Insulation - Must Mechanically Attach 1/2" Treated Gypsum Insulation Board with Glass-Mat (e.g. DensDeck / Securock / Equal)	SF	
6.14	LIGHTWEIGHT CONCRETE / GYPSUM ROOF DECK - TORCH APPLIED / SELF-ADHERING APPLICATION			
6.14.01	INSULATION OPTION:	Must Mechanically Attach a Base Sheet; Adhere Polyisocyanurate in Insulation Adhesive / Adhere Treated Gypsum Insulation Board with Glass-Mat (e.g. DensDeck / Securock / Equal) with Insulation Adhesive to Provide an Average R-Value of 20 In Compliance FM 1-90 Requirements	SF	
6.14.02	INSULATION OPTION:	Without Insulation - Must at Least Mechanically Fasten a Base Sheet to the Roof Deck Prior to Installation Installed with FM 1-90 Attachment Patterns	SF	
6.15	CONCRETE ROOF DECK - TORCH APPLIED / SELF-ADHERING APPLICATION			
6.15.01	INSULATION OPTION:	Adhere Polyisocyanurate in Insulation Adhesive / Adhere Treated Gypsum Insulation Board with Glass-Mat (e.g. DensDeck / Securock / Equal) with Insulation Adhesive to Provide an Average R-Value of 20 In Compliance FM 1-90 Requirements	SF	
6.15.02	INSULATION OPTION:	Without Insulation - Must Adhere 1/2" Treated Gypsum Insulation Board with Glass-Mat (e.g. DensDeck / Securock / Equal) in Insulation Adhesive In Compliance FM 1-90 Requirements	SF	
6.16	INSTALL PRIOR TO ROOF SYSTEM INSULATION:			
6.16.01	VAPOR BARRIER OPTION:	HOT ASPHALT-APPLIED VAPOR BARRIER ON METAL DECK: Mechanically-Fasten Treated Gypsum Insulation Board with Glass-Mat (e.g. DensDeck / Securock / Equal), Apply 2 Plies of Glass Felt in Hot ASTM D 312 Type III OR IV Asphalt In Compliance with FM 1-90 Requirements	SF	
6.16.02	VAPOR BARRIER OPTION:	HOT ASPHALT-APPLIED VAPOR BARRIER ON WOOD, TECTUM, LIGHTWEIGHT CONCRETE OR GYPSUM DECK: Mechanically Fasten Glass Base Sheet, Apply 2 Plies of Glass Felt in Hot ASTM D 312 Type III OR IV Asphalt In Compliance with FM 1-90 Requirements	SF	
6.16.03	VAPOR BARRIER OPTION:	HOT ASPHALT-APPLIED VAPOR BARRIER ON CONCRETE DECK: Prime Deck Prior to Applying 2 Plies of Glass Felt in Hot ASTM D 312 Type III OR IV Asphalt	SF	

6.16.04	VAPOR BARRIER OPTION:	COLD ASPHALT-APPLIED VAPOR BARRIER ON METAL DECK: Mechanically-Fasten Treated Gypsum Insulation Board with Glass-Mat (e.g. DensDeck / Securock / Equal); Apply 2 Plies of Glass Base in Cold Process Modified Asphalt In Compliance with FM 1-90 Requirements	SF	
6.16.05	VAPOR BARRIER OPTION:	COLD ASPHALT-APPLIED VAPOR BARRIER ON WOOD, TECTUM, LIGHTWEIGHT CONCRETE OR GYPSUM DECK: Mechanically Fasten Glass Base Sheet, Apply 2 Plies of Glass Base in Cold Process Modified Asphalt In Compliance with FM 1-90 Requirements	SF	
6.16.06	VAPOR BARRIER OPTION:	COLD ASPHALT-APPLIED VAPOR BARRIER ON CONCRETE DECK: Prime Deck Prior to Applying 2 Plies of Glass Base in Cold Process Modified Asphalt	SF	
6.16.07	VAPOR BARRIER OPTION:	TORCH-APPLIED VAPOR BARRIER ON METAL DECK: Mechanically-Fasten Treated Gypsum Insulation Board with Glass-Mat (e.g. DensDeck / Securock / Equal); Heat Weld with Torch 1 Ply of SBS Modified Asphalt-Based, Fiberglass Reinforced Torch Base Sheet - Minimum of 80 lbf/in tensile Torch-Applied Base Sheet (ASTM D 5147) In Compliance with FM 1-90 Requirements	SF	
6.16.08	VAPOR BARRIER OPTION:	TORCH-APPLIED VAPOR BARRIER ON WOOD, TECTUM, LIGHTWEIGHT CONCRETE OR GYPSUM DECK: Mechanically Fasten Glass Base Sheet, Heat Weld with Torch 1 Ply of SBS Modified Asphalt-Based, Fiberglass Reinforced Torch Base Sheet - Minimum of 80 lbf/in tensile Torch-Applied Base Sheet (ASTM D 5147) In Compliance with FM 1-90 Requirements	SF	
6.16.09	VAPOR BARRIER OPTION:	TORCH-APPLIED VAPOR BARRIER ON CONCRETE DECK: Prime Deck Prior to Heat Welding with Torch 1 Ply of SBS Modified Asphalt-Based, Fiberglass Reinforced Torch Base Sheet - Minimum of 80 lbf/in tensile Torch-Applied Base Sheet (ASTM D 5147)	SF	
6.16.10	VAPOR BARRIER OPTION:	HOT ASPHALT-APPLIED VAPOR BARRIER ON METAL DECK: Mechanically-Fasten Treated Gypsum Insulation Board with Glass-Mat (e.g. DensDeck / Securock / Equal), ASTM D 6163 SBS Fiberglass Reinforced Modified Bituminous Sheet Material Type I - 70 lbf/in tensile in Hot ASTM D 312 Type III OR IV Asphalt In Compliance with FM 1-90 Requirements	SF	

6.16.11	VAPOR BARRIER OPTION:	HOT ASPHALT-APPLIED VAPOR BARRIER ON WOOD, TECTUM, LIGHTWEIGHT CONCRETE OR GYPSUM DECK: Mechanically Fasten Glass Base Sheet, ASTM D 6163 SBS Fiberglass Reinforced Modified Bituminous Sheet Material Type I - 70 lbf/in tensile in Hot ASTM D 312 Type III OR IV Asphalt In Compliance with FM 1-90 Requirements	SF	
6.16.12	VAPOR BARRIER OPTION:	HOT ASPHALT-APPLIED VAPOR BARRIER ON CONCRETE DECK: Prime Deck Prior to ASTM D 6163 SBS Fiberglass Reinforced Modified Bituminous Sheet Material Type I - 70 lbf/in tensile in Hot ASTM D 312 Type III OR IV Asphalt	SF	
6.16.13	VAPOR BARRIER OPTION:	COLD ASPHALT-APPLIED VAPOR BARRIER ON METAL DECK: Mechanically-Fasten Treated Gypsum Insulation Board with Glass-Mat (e.g. DensDeck / Securock / Equal); ASTM D 6163 SBS Fiberglass Reinforced Modified Bituminous Sheet Material Type I - 70 lbf/in tensile in Cold Process Modified Asphalt In Compliance with FM 1-90 Requirements	SF	
6.16.14	VAPOR BARRIER OPTION:	COLD ASPHALT-APPLIED VAPOR BARRIER ON WOOD, TECTUM, LIGHTWEIGHT CONCRETE OR GYPSUM DECK: Mechanically Fasten Glass Base Sheet, ASTM D 6163 SBS Fiberglass Reinforced Modified Bituminous Sheet Material Type I - 70 lbf/in tensile in Cold Process Modified Asphalt In Compliance with FM 1-90 Requirements	SF	
6.16.15	VAPOR BARRIER OPTION:	COLD ASPHALT-APPLIED VAPOR BARRIER ON CONCRETE DECK: Prime Deck Prior to ASTM D 6163 SBS Fiberglass Reinforced Modified Bituminous Sheet Material Type I - 70 lbf/in tensile in Cold Process Modified Asphalt	SF	
7.00	BUILT-UP MODIFIED ROOF WITH FLOOD COAT AND AGGREGATE IN HOT ASTM D 312 TYPE III OR IV ASPHALT			
7.01	ROOF CONFIGURATION 2 Plies of Glass Felt, Cap Sheet, Flood Coat and Aggregate All in Hot ASTM D 312 Type III OR IV Asphalt			
7.01.01	ROOFING MEMBRANE OPTION:	ASTM D 6163 SBS Fiberglass Reinforced Modified Bituminous Sheet Material Type I - Minimum of 70 lbf/in tensile	SF	
7.01.02	ROOFING MEMBRANE OPTION:	ASTM D 6163 SBS Fiberglass Reinforced Modified Bituminous Sheet Material Type III - Minimum of 220 lbf/in tensile	SF	
7.01.03	ROOFING MEMBRANE OPTION:	ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - Minimum of 310 lbf/in tensile	SF	
7.01.04	ROOFING MEMBRANE OPTION:	ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - Minimum of 500 lbf/in tensile	SF	
7.01.05	ROOFING MEMBRANE OPTION:	ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - Minimum of 600 lbf/in tensile	SF	

7.02	WARRANTY CHARGE:	Cost to Provide 20 Year - Labor & Material Warranty with No Dollar Limitations as a Standard Warranty for All Applications in this Section 7.00 Must include coverage for roof uplift pressures up to 90 MPH	SF	
7.03	WARRANTY UPCHARGE:	Add to provide coverage for a 25 Year Labor & Material Warranty with No Dollar Limitations	SF	
7.04	WARRANTY UPCHARGE:	Add to provide coverage for a 30 Year Labor & Material Warranty with No Dollar Limitations	SF	
7.05	WARRANTY UPCHARGE:	Add to provide coverage for roof uplift pressures up to 120 MPH	SF	
7.06	DEDUCT TO SQUARE FOOT COST - Hot Applied Modified BUR Substitute Additional Glass Felt (Hot Applications) in Place of ASTM D 6163 SBS Fiberglass Reinforced Modified Bituminous Sheet Material Type I - Minimum of 70 lbf/in tensile (i.e. 3 Ply BUR)		SF	
7.07	ADD TO PER SQUARE FOOT COST - Hot Applied Modified BUR Each Additional Glass Felt (Hot Applications) Inter-ply Installed		SF	
8.00	BUILT-UP MODIFIED ROOF WITH FLOOD COAT AND AGGREGATE IN COLD PROCESS ASPHALT			
8.01	ROOF CONFIGURATION 2 Plies of Glass Base, Cap Sheet, Flood Coat and Aggregate All in Cold Process Modified Asphalt			
8.01.01	ROOFING MEMBRANE OPTION:	ASTM D 6163 SBS Fiberglass Reinforced Modified Bituminous Sheet Material Type I - Minimum of 70 lbf/in tensile	SF	
8.01.02	ROOFING MEMBRANE OPTION:	ASTM D 6163 SBS Fiberglass Reinforced Modified Bituminous Sheet Material Type III - Minimum of 220 lbf/in tensile	SF	
8.01.03	ROOFING MEMBRANE OPTION:	ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - Minimum of 310 lbf/in tensile	SF	
8.01.04	ROOFING MEMBRANE OPTION:	ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - Minimum of 500 lbf/in tensile	SF	
8.01.05	ROOFING MEMBRANE OPTION:	ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - Minimum of 600 lbf/in tensile	SF	
8.02	WARRANTY CHARGE:	Cost to Provide 20 Year - Labor & Material Warranty with No Dollar Limitations as a Standard Warranty for All Applications in this Section 8.00 Must include coverage for roof uplift pressures up to 90 MPH	SF	
8.03	WARRANTY UPCHARGE:	Add to provide coverage for a 25 Year Labor & Material Warranty with No Dollar Limitations	SF	
8.04	WARRANTY UPCHARGE:	Add to provide coverage for a 30 Year Labor & Material Warranty with No Dollar Limitations	SF	
8.05	WARRANTY UPCHARGE:	Add to provide coverage for roof uplift pressures up to 120 MPH	SF	
8.06	DEDUCT TO SQUARE FOOT COST - Cold Applied Modified BUR Substitute Additional Glass Base Sheet in Place of ASTM D 6163 SBS Fiberglass Reinforced Modified Bituminous Sheet Material Type I - Minimum of 70 lbf/in tensile (i.e. 3 Ply BUR)		SF	
8.07	ADD TO PER SQUARE FOOT COST - Cold Applied Modified BUR Each Additional Glass Base (Cold Applications) Inter-ply Installed		SF	
9.00	BUILT-UP MODIFIED ROOF ADHERED IN HOT ASTM D 312 TYPE III OR IV ASPHALT - FLOOD COAT & AGGREGATE IN MODIFIED COAL TAR PITCH			
9.01	ROOF CONFIGURATION 2 ply of Glass Felt, Cap Sheet, Set in Hot Asphalt, Flood Coat in Modified Coal Tar Pitch and Aggregate			
9.01.01	ROOFING MEMBRANE & COATING OPTION:	ASTM D 6163 SBS Fiberglass Reinforced Modified Bituminous Sheet Material Type I - Minimum of 70 lbf/in tensile, Flood Coat in Modified Hot Coal Tar Pitch With 2000% Elongation	SF	

9.01.02	ROOFING MEMBRANE & COATING OPTION	ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - Minimum of 220 lbf/in tensile, Flood Coat in Modified Hot Coal Tar Pitch With 2000% Elongation	SF	
9.01.03	ROOFING MEMBRANE & COATING OPTION	ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - Minimum of 310 lbf/in tensile, Flood Coat in Modified Hot Coal Tar Pitch With 2000% Elongation	SF	
9.01.04	ROOFING MEMBRANE & COATING OPTION	ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - Minimum of 500 lbf/in tensile, Flood Coat in Modified Hot Coal Tar Pitch With 2000% Elongation	SF	
9.01.05	ROOFING MEMBRANE & COATING OPTION	ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - 600 lbf/in tensile, Flood Coat in Modified Hot Coal Tar Pitch With 2000% Elongation	SF	
9.02	WARRANTY CHARGE:	Cost to Provide 20 Year - Labor & Material Warranty with No Dollar Limitations as a Standard Warranty for All Applications in this Section 9.00 Must include coverage for roof uplift pressures up to 90 MPH	SF	
9.03	WARRANTY UPCHARGE:	Add to provide coverage for a 25 Year Labor & Material Warranty with No Dollar Limitations	SF	
9.04	WARRANTY UPCHARGE:	Add to provide coverage for a 30 Year Labor & Material Warranty with No Dollar Limitations	SF	
9.05	WARRANTY UPCHARGE:	Add to provide coverage for roof uplift pressures up to 120 MPH	SF	
9.06	COATING OPTION:	Add/Deduct for Installing Flood Coat in Cold Process Coal Tar Pitch	SF	
10.00	BUILT-UP MODIFIED ROOF WITH MINERAL CAP SHEET ADHERED IN HOT ASTM D 312 TYPE III OR IV ASPHALT			
10.01	ROOF CONFIGURATION 2 ply of Glass Felt, Mineral Surfaced Cap Sheet, Set in Hot ASTM D 312 Type III or IV Asphalt			
10.01.01	ROOFING MEMBRANE OPTION:	ASTM D 6163 SBS Fiberglass Reinforced Modified Bituminous Sheet Material Type I - Minimum of 70 lbf/in tensile	SF	
10.01.02	ROOFING MEMBRANE OPTION:	ASTM D 6163 SBS Fiberglass Reinforced Modified Bituminous Sheet Material Type III - Minimum of 220 lbf/in tensile	SF	
10.01.03	ROOFING MEMBRANE OPTION:	ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - Minimum of 310 lbf/in tensile	SF	
10.01.04	ROOFING MEMBRANE OPTION:	ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - Minimum of 500 lbf/in tensile	SF	
10.01.05	ROOFING MEMBRANE OPTION:	ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - Minimum of 600 lbf/in tensile	SF	
10.02	WARRANTY CHARGE:	Cost to Provide 20 Year - Labor & Material Warranty with No Dollar Limitations as a Standard Warranty for All Applications in this Section 10.00 Must include coverage for roof uplift pressures up to 90 MPH	SF	
10.03	WARRANTY UPCHARGE:	Labor & Material Warranty with No Dollar Limitations	SF	

10.04	WARRANTY UPCHARGE:	Labor & Material Warranty with No Dollar Limitations	SF	
10.05	WARRANTY UPCHARGE:	Add to provide coverage for roof uplift pressures up to 120 MPH	SF	
11.00	BUILT-UP MODIFIED ROOF WITH MINERAL CAP SHEET ADHERED IN COLD PROCESS ASPHALT			
11.01	ROOF CONFIGURATION 2 ply Glass Base, Mineral Cap Sheet, Set in Cold Process Modified Asphalt			
11.01.01	ROOFING MEMBRANE OPTION:	ASTM D 6163 SBS Fiberglass Reinforced Modified Bituminous Sheet Material Type I - Minimum of 70 lbf/in tensile	SF	
11.01.02	ROOFING MEMBRANE OPTION:	ASTM D 6163 SBS Fiberglass Reinforced Modified Bituminous Sheet Material Type III - Minimum of 220 lbf/in tensile	SF	
11.01.03	ROOFING MEMBRANE OPTION:	ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - Minimum of 310 lbf/in tensile	SF	
11.01.04	ROOFING MEMBRANE OPTION:	ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - Minimum of 500 lbf/in tensile	SF	
11.01.05	ROOFING MEMBRANE OPTION:	ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - Minimum of 600 lbf/in tensile	SF	
11.02	WARRANTY CHARGE:	Cost to Provide 20 Year - Labor & Material Warranty with No Dollar Limitations as a Standard Warranty for All Applications in this Section 11.00 Must include coverage for roof uplift pressures up to 90 MPH	SF	
11.03	WARRANTY UPCHARGE:	Labor & Material Warranty with No Dollar Limitations	SF	
11.04	WARRANTY UPCHARGE:	Labor & Material Warranty with No Dollar Limitations	SF	
11.05	WARRANTY UPCHARGE:	Add to provide coverage for roof uplift pressures up to 120 MPH	SF	
12.00	2-PLY ROOF SYSTEMS - COMBINATIONS OF A BASE PLY & A CAP SHEET (TOP PLY) PLEASE NOTE: BASE PLY & CAP SHEET COMBINATIONS MUST BE APPROVED BY THE MANUFACTURER			
12.01	ROOF CONFIGURATION 1 Ply Modified Base Sheet Adhered in Hot ASTM D 312 Type III or IV Asphalt			
12.01.01	BASE PLY OPTION:	ASTM D 6163 SBS Fiberglass Reinforced Modified Bituminous Sheet Material Type I - 70 lbf/in tensile	SF	
12.01.02	BASE PLY OPTION:	ASTM D 6163 SBS Fiberglass Reinforced Modified Bituminous Sheet Material Type III - 220 lbf/in tensile	SF	
12.01.03	BASE PLY OPTION:	ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - 310 lbf/in tensile	SF	
12.01.04	ADD/DEDUCT TO PER SQUARE FOOT COST - Hot Applied Modified Multi-ply Systems Each Additional Modified Base Sheet (All Hot Applications) Installed. To be combined with line items above for a labor cost reduction to installed price of two plies of the same modified base sheet vs. the installation of a single base sheet (i.e. 12.01.02 + 12.01.02 + 12.01.04 = Two Plies Installed)		SF	
12.02	ROOF CONFIGURATION 1 Ply Modified Base Sheet Adhered in Cold Process Modified Asphalt			
12.02.01	BASE PLY OPTION:	ASTM D 6163 SBS Fiberglass Reinforced Modified Bituminous Sheet Material Type I - 70 lbf/in tensile	SF	
12.02.02	BASE PLY OPTION:	ASTM D 6163 SBS Fiberglass Reinforced Modified Bituminous Sheet Material Type III - 220 lbf/in tensile	SF	
12.02.03	BASE PLY OPTION:	ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - 310 lbf/in tensile	SF	

	ADD/DEDUCT TO PER SQUARE FOOT COST - Cold Applied Modified Multi-ply Systems Each Additional Modified Base Sheet (All Cold Applications) Installed. To be combined with line items above for a labor cost reduction to installed price of two plies of the same modified base sheet vs. the installation of a single base sheet (i.e. 12.02.02 + 12.02.02 + 12.02.04 = Two Plies Installed)			
12.02.04			SF	
12.02.05	INTERPLY ADHESIVE OPTION: Add/Deduct for Cold Applied Modified Multi-ply Systems Substitute Cold Process Adhesive with Alternative Solvent Free Adhesive		SF	
12.03	ROOF CONFIGURATION 1 Ply of Torch Base Sheet Installed with Torch Application			
12.03.01	BASE PLY OPTION:	SBS Modified Asphalt-Based, Fiberglass Reinforced Torch Base Sheet - Minimum of 80 lbf/in tensile Torch-Applied Base Sheet (ASTM D 5147)	SF	
12.03.02	BASE PLY OPTION:	ASTM D 6163 SBS Fiberglass Reinforced Modified Bituminous Sheet Material Type III - 210 lbf/in tensile	SF	
12.03.03	ADD/DEDUCT TO PER SQUARE FOOT COST - Torch-Applied Modified Multi-ply Systems Each Additional Modified Base Sheet (All Torch-Applied Applications) Installed. To be combined with line items above for a labor cost reduction to installed price of two plies of the same modified base sheet vs. the installation of a single base sheet (i.e. 12.03.02 + 12.03.02 + 12.03.03 = Two Plies Installed)		SF	
12.04	ROOF CONFIGURATION 1 Ply of Self-Adhering Base Installed Using Self-Adhering Backing			
12.04.01	BASE PLY OPTION:	SBS Modified Asphalt-Based, Polyester OR Fiberglass/Polyester OR Fiberglass Reinforced Self-Adhering Base Sheet - Minimum of 50 lbf/in tensile	SF	
12.04.02	ADD/DEDUCT TO PER SQUARE FOOT COST - Torch-Applied Modified Multi-ply Systems Each Additional Modified Base Sheet (All Torch-Applied Applications) Installed. To be combined with line items above for a labor cost reduction to installed price of two plies of the same modified base sheet vs. the installation of a single base sheet (i.e. 12.04.01 + 12.04.01 + 12.04.02 = Two Plies Installed)		SF	
12.05	ROOF CONFIGURATION 1 Ply Cap Sheet, Flood Coat and Aggregate Adhered in Hot ASTM D 312 Type III OR IV Asphalt			
12.05.01	ROOFING MEMBRANE OPTION:	ASTM D 6163 SBS Fiberglass Reinforced Modified Bituminous Sheet Material Type I - Minimum of 70 lbf/in tensile	SF	
12.05.02	ROOFING MEMBRANE OPTION:	ASTM D 6163 SBS Fiberglass Reinforced Modified Bituminous Sheet Material Type III - Minimum of 220 lbf/in tensile	SF	
12.05.03	ROOFING MEMBRANE OPTION:	ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - Minimum of 310 lbf/in tensile	SF	
12.05.06	WARRANTY CHARGE:	Cost to Provide 20 Year - Labor & Material Warranty with No Dollar Limitations as a Standard Warranty for All Applications in this Section 12.05 Must include coverage for roof uplift pressures up to 90 MPH	SF	
12.05.07	WARRANTY UPCHARGE:	Add to provide coverage for a 25 Year Labor & Material Warranty with No Dollar Limitations	SF	
12.05.08	WARRANTY UPCHARGE:	Add to provide coverage for a 30 Year Labor & Material Warranty with No Dollar Limitations	SF	
12.05.09	WARRANTY UPCHARGE:	Add to provide coverage for roof uplift pressures up to 120 MPH	SF	
12.06	ROOF CONFIGURATION 1 Ply Mineral Surfaced Cap Sheet Adhered in Hot ASTM D 312 Type III or IV Asphalt			
12.06.01	ROOFING MEMBRANE OPTION:	ASTM D 6163 SBS Fiberglass Reinforced Modified Bituminous Sheet Material Type I - Minimum of 70 lbf/in tensile	SF	
12.06.02	ROOFING MEMBRANE OPTION:	ASTM D 6163 SBS Fiberglass Reinforced Modified Bituminous Sheet Material Type III - Minimum of 220 lbf/in tensile	SF	

12.06.03	ROOFING MEMBRANE OPTION:	ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - Minimum of 310 lbf/in tensile	SF	
12.06.04	ROOFING MEMBRANE OPTION:	ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - Minimum of 500 lbf/in tensile	SF	
12.06.05	ROOFING MEMBRANE OPTION:	ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - Minimum of 600 lbf/in tensile	SF	
12.06.06	WARRANTY CHARGE:	Cost to Provide 20 Year - Labor & Material Warranty with No Dollar Limitations as a Standard Warranty for All Applications in this Section 12.06 Must include coverage for roof uplift pressures up to 90 MPH	SF	
12.06.07	WARRANTY UPCHARGE:	Add to provide coverage for a 25 Year Labor & Material Warranty with No Dollar Limitations	SF	
12.06.08	WARRANTY UPCHARGE:	Add to provide coverage for a 30 Year Labor & Material Warranty with No Dollar Limitations	SF	
12.06.09	WARRANTY UPCHARGE:	Add to provide coverage for roof uplift pressures up to 120 MPH	SF	
12.07	ROOF CONFIGURATION 1 Ply Cap Sheet, Set in Hot ASTM D 312 Type III or IV Asphalt, Flood Coat & Aggregate in Hot Modified Coal Tar Pitch			
12.07.01	ROOFING MEMBRANE & COATING OPTION:	ASTM D 6163 SBS Fiberglass Reinforced Modified Bituminous Sheet Material Type I - Minimum of 70 lbf/in tensile, Flood Coat in Modified Hot Coal Tar Pitch With 2000% Elongation	SF	
12.07.02	ROOFING MEMBRANE & COATING OPTION	ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - Minimum of 220 lbf/in tensile, Flood Coat in Modified Hot Coal Tar Pitch With 2000% Elongation	SF	
12.07.03	ROOFING MEMBRANE & COATING OPTION	ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - Minimum of 310 lbf/in tensile, Flood Coat in Modified Hot Coal Tar Pitch With 2000% Elongation	SF	
12.07.04	ROOFING MEMBRANE & COATING OPTION	ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - Minimum of 500 lbf/in tensile, Flood Coat in Modified Hot Coal Tar Pitch With 2000% Elongation	SF	
12.07.05	ROOFING MEMBRANE & COATING OPTION	ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - Minimum 600 lbf/in tensile, Flood Coat in Modified Hot Coal Tar Pitch With 2000% Elongation	SF	
12.07.06	COATING OPTION:	Add/Deduct for Installing Flood Coat in Cold Process Coal Tar Pitch	SF	
12.07.07	WARRANTY CHARGE:	Cost to Provide 20 Year - Labor & Material Warranty with No Dollar Limitations as a Standard Warranty for All Applications in this Section 12.07 Must include coverage for roof uplift pressures up to 90 MPH	SF	
12.07.08	WARRANTY UPCHARGE:	Add to provide coverage for a 25 Year Labor & Material Warranty with No Dollar Limitations	SF	

12.07.09	WARRANTY UPCHARGE:	Add to provide coverage for a 30 Year Labor & Material Warranty with No Dollar Limitations	SF	
12.07.10	WARRANTY UPCHARGE:	Add to provide coverage for roof uplift pressures up to 120 MPH	SF	
12.08	ROOF CONFIGURATION 1 Ply Cap Sheet, Flood Coat and Aggregate Adhered in Cold Process Modified Asphalt			
12.08.01	ROOFING MEMBRANE OPTION:	ASTM D 6163 SBS Fiberglass Reinforced Modified Bituminous Sheet Material Type I - Minimum of 70 lbf/in tensile	SF	
12.08.02	ROOFING MEMBRANE OPTION:	ASTM D 6163 SBS Fiberglass Reinforced Modified Bituminous Sheet Material Type III - Minimum of 220 lbf/in tensile	SF	
12.08.03	ROOFING MEMBRANE OPTION:	ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - Minimum of 310 lbf/in tensile	SF	
12.08.04	ROOFING MEMBRANE OPTION:	ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - Minimum of 500 lbf/in tensile	SF	
12.08.05	ROOFING MEMBRANE OPTION:	ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - Minimum of 600 lbf/in tensile	SF	
12.08.06	MEMBRANE ADHESIVE & COATING OPTION:	Add/Deduct for Cold Applied Modified BUR Substitute Cold Process Adhesive with Alternative Solvent Free Adhesive	SF	
12.08.07	WARRANTY CHARGE:	Cost to Provide 20 Year - Labor & Material Warranty with No Dollar Limitations as a Standard Warranty for All Applications in this Section 12.08 Must include coverage for roof uplift pressures up to 90 MPH	SF	
12.08.08	WARRANTY UPCHARGE:	Add to provide coverage for a 25 Year Labor & Material Warranty with No Dollar Limitations	SF	
12.08.09	WARRANTY UPCHARGE:	Add to provide coverage for a 30 Year Labor & Material Warranty with No Dollar Limitations	SF	
12.08.10	WARRANTY UPCHARGE:	Add to provide coverage for roof uplift pressures up to 120 MPH	SF	
12.09	ROOF CONFIGURATION 1 Ply Mineral Surfaced Cap Sheet Adhered in Cold Process Modified Asphalt			
12.09.01	ROOFING MEMBRANE OPTION:	ASTM D 6163 SBS Fiberglass Reinforced Modified Bituminous Sheet Material Type I - Minimum of 70 lbf/in tensile	SF	
12.09.02	ROOFING MEMBRANE OPTION:	ASTM D 6163 SBS Fiberglass Reinforced Modified Bituminous Sheet Material Type III - Minimum of 220 lbf/in tensile	SF	
12.09.03	ROOFING MEMBRANE OPTION:	ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - Minimum of 310 lbf/in tensile	SF	
12.09.04	ROOFING MEMBRANE OPTION:	ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - Minimum of 500 lbf/in tensile	SF	
12.09.05	ROOFING MEMBRANE OPTION:	ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - Minimum of 600 lbf/in tensile	SF	
12.09.06	MEMBRANE ADHESIVE OPTION:	Add/Deduct for Cold Applied Modified BUR Substitute Cold Process Adhesive with Alternative Solvent Free Adhesive	SF	

12.09.07	WARRANTY CHARGE:	Cost to Provide 20 Year - Labor & Material Warranty with No Dollar Limitations as a Standard Warranty for All Applications in this Section 12.09 Must include coverage for roof uplift pressures up to 90 MPH	SF	
12.09.08	WARRANTY UPCHARGE:	Add to provide coverage for a 25 Year Labor & Material Warranty with No Dollar Limitations	SF	
12.09.09	WARRANTY UPCHARGE:	Add to provide coverage for a 30 Year Labor & Material Warranty with No Dollar Limitations	SF	
12.09.10	WARRANTY UPCHARGE:	Add to provide coverage for roof uplift pressures up to 120 MPH	SF	
12.10	ROOF CONFIGURATION 1 Ply Cap Sheet, Set in Cold Process Asphalt, Flood Coat & Aggregate in Cold Applied Modified Coal Tar Pitch and Aggregate			
12.10.01	ROOFING MEMBRANE & COATING OPTION:	ASTM D 6163 SBS Fiberglass Reinforced Modified Bituminous Sheet Material Type I - Minimum of 70 lbf/in tensile	SF	
12.10.02	ROOFING MEMBRANE & COATING OPTION:	ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - Minimum of 220 lbf/in tensile	SF	
12.10.03	ROOFING MEMBRANE & COATING OPTION:	ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - Minimum of 310 lbf/in tensile	SF	
12.10.04	ROOFING MEMBRANE & COATING OPTION:	ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - Minimum of 500 lbf/in tensile	SF	
12.10.05	ROOFING MEMBRANE & COATING OPTION:	ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - Minimum 600 lbf/in tensile	SF	
12.10.06	WARRANTY CHARGE:	Cost to Provide 20 Year - Labor & Material Warranty with No Dollar Limitations as a Standard Warranty for All Applications in this Section 12.10 Must include coverage for roof uplift pressures up to 90 MPH	SF	
12.10.07	WARRANTY UPCHARGE:	Add to provide coverage for a 25 Year Labor & Material Warranty with No Dollar Limitations	SF	
12.10.08	WARRANTY UPCHARGE:	Add to provide coverage for a 30 Year Labor & Material Warranty with No Dollar Limitations	SF	
12.10.09	WARRANTY UPCHARGE:	Add to provide coverage for roof uplift pressures up to 120 MPH	SF	
12.11	ROOF CONFIGURATION 1 Ply of Mineral Surfaced, Torch-Applied Cap Sheet Installed with Torch Application			
12.11.01	ROOFING MEMBRANE OPTION:	ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - Minimum 300 lbf/in tensile Torch-Applied Membrane	SF	
12.11.02	WARRANTY CHARGE:	Cost to Provide 20 Year - Labor & Material Warranty with No Dollar Limitations as a Standard Warranty for All Applications in this Section 12.11 Must include coverage for roof uplift pressures up to 90 MPH	SF	
12.11.03	WARRANTY UPCHARGE:	Add to provide coverage for a 25 Year Labor & Material Warranty with No Dollar Limitations	SF	
12.11.04	WARRANTY UPCHARGE:	Add to provide coverage for a 30 Year Labor & Material Warranty with No Dollar Limitations	SF	

12.11.05	WARRANTY UPCHARGE:	Add to provide coverage for roof uplift pressures up to 120 MPH	SF	
12.12	ROOF CONFIGURATION 1 Ply of Torch-Applied Cap Sheet Installed with Torch Application and Finished with a Flood Coat & Aggregate in Cold Process Modified Asphalt			
12.12.01	ROOFING MEMBRANE OPTION:	ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - Minimum of 300 lb/in tensile Torch-Applied Membrane	SF	
12.12.02	WARRANTY CHARGE:	Cost to Provide 20 Year - Labor & Material Warranty with No Dollar Limitations as a Standard Warranty for All Applications in this Section 12.12 Must include coverage for roof uplift pressures up to 90 MPH	SF	
12.12.03	WARRANTY UPCHARGE:	Labor & Material Warranty with No Dollar Limitations	SF	
12.12.04	WARRANTY UPCHARGE:	Labor & Material Warranty with No Dollar Limitations	SF	
12.12.05	WARRANTY UPCHARGE:	Add to provide coverage for roof uplift pressures up to 120 MPH	SF	
12.13	ROOF CONFIGURATION 1 Ply of Mineral Surfaced, Self-Adhering Cap Sheet Installed Using Self-Adhering Backing			
12.13.01	ROOF CONFIGURATION OPTION:	ASTM D 6161 (Polyester) OR 6162 (Fiberglass/Polyester) OR 6163 (Fiberglass) Self-Adhering Reinforced Modified Bituminous Sheet Material Type III - Minimum of 130 lb/in tensile	SF	
12.13.02	WARRANTY CHARGE:	Cost to Provide 20 Year - Labor & Material Warranty with No Dollar Limitations as a Standard Warranty for All Applications in this Section 12.13 Must include coverage for roof uplift pressures up to 90 MPH	SF	
12.13.03	WARRANTY UPCHARGE:	Add to provide coverage for a 25 Year Labor & Material Warranty with No Dollar Limitations	SF	
12.13.04	WARRANTY UPCHARGE:	Add to provide coverage for a 30 Year Labor & Material Warranty with No Dollar Limitations	SF	
12.13.05	WARRANTY UPCHARGE:	Add to provide coverage for roof uplift pressures up to 120 MPH	SF	
12.14	ROOF CONFIGURATION 1 Ply Fleece-Back Polymeric Cap Sheet (Top Ply) Adhered in Hot ASTM D 312 Type III OR IV Asphalt with Heat Welded Seams			
12.14.01	POLYMERIC TOP PLY OPTION:	ASTM D 6754 - Ketone Ethylene Ester (KEE) - 50 Mil Thickness	SF	
12.14.02	POLYMERIC TOP PLY OPTION:	ASTM D 6754 - Ketone Ethylene Ester (KEE) - 60 Mil Thickness	SF	
12.14.03	WARRANTY CHARGE:	Cost to Provide 20 Year - Labor & Material Warranty with No Dollar Limitations as a Standard Warranty for All Applications in this Section 12.14 Must include coverage for roof uplift pressures up to 90 MPH	SF	
12.14.04	WARRANTY UPCHARGE:	Add to provide coverage for a 25 Year Labor & Material Warranty with No Dollar Limitations	SF	
12.14.05	WARRANTY UPCHARGE:	Add to provide coverage for a 30 Year Labor & Material Warranty with No Dollar Limitations	SF	
12.14.06	WARRANTY UPCHARGE:	Add to provide coverage for roof uplift pressures up to 120 MPH	SF	
12.15	ROOF CONFIGURATION 1 Ply Fleece-Back Polymeric Cap Sheet (Top Ply) Adhered in Membrane Adhesive with Heat Weld Seams			
12.15.01	POLYMERIC TOP PLY OPTION:	ASTM D 6754 - Ketone Ethylene Ester (KEE) - 50 Mil Thickness	SF	
12.15.02	POLYMERIC TOP PLY OPTION:	ASTM D 6754 - Ketone Ethylene Ester (KEE) - 60 Mil Thickness	SF	

12.15.03	MEMBRANE ADHESIVE OPTION:	Add/Deduct for Cold Applied Fleece-Back Polymeric Cap Sheet (Top Ply) Substitute Membrane Adhesive with Cold Applied Asphalt Adhesive	SF	
12.15.04	MEMBRANE ADHESIVE OPTION:	PER SQUARE FOOT COST - Cold Applied Fleece-Back Polymeric Cap Sheet (Top Ply) Substitute Membrane Adhesive with Solvent-Free Asphalt Adhesive	SF	
12.15.05	WARRANTY CHARGE:	Cost to Provide 20 Year - Labor & Material Warranty with No Dollar Limitations as a Standard Warranty for All Applications in this Section 12.15 Must include coverage for roof uplift pressures up to 90 MPH	SF	
12.15.06	WARRANTY UPCHARGE:	Labor & Material Warranty with No Dollar Limitations	SF	
12.15.08	WARRANTY UPCHARGE:	Labor & Material Warranty with No Dollar Limitations	SF	
12.15.09	WARRANTY UPCHARGE:	Add to provide coverage for roof uplift pressures up to 120 MPH	SF	
13.00	BUILT-UP COAL TAR ROOF WITH FLOOD COAT AND AGGREGATE IN MODIFIED HOT COAL TAR PITCH			
13.01	ROOF CONFIGURATION 1 Ply of Glass Base, 3 Plies of Polyester Mat or 4 ply of Coal Tar Felts in Modified Hot Coal Tar Pitch (CTP), [Insulation & Glass Base] Set in Hot ASTM D 312 Type III or IV Asphalt			
13.01.01	ROOF CONFIGURATION OPTION:	4-Ply ASTM D 4990 Type I Coal Tar Saturated Felts in Modified Coal Tar Pitch; Modified CTP with 2000% Elongation	SF	
13.01.02	ROOF CONFIGURATION OPTION:	3-Ply Continuous Filament Polyester Mat (5.0 oz./yd ²) in Modified Coal Tar Pitch; Modified CTP with 2000% Elongation	SF	
13.02	INTERPLY ADHESIVE & FLOOD COAT OPTION:	PER SQUARE FOOT COST - SUBSTITUTE STANDARD COAL TAR PITCH Add/Deduct for Using Standard Coal Tar Pitch Instead of Modified Coal Tar Pitch	SF	
13.03	FLOOD COAT OPTION:	PER SQUARE FOOT COST - SUBSTITUTE COLD PROCESS+ MODIFIED COAL TAR PITCH FOR FLOOD COAT Add/Deduct for Using Cold Process Modified Coal Tar Pitch for Flood Coat Instead of Hot Modified Coal Tar Pitch+B222	SF	
13.04	WARRANTY CHARGE:	Cost to Provide 20 Year - Labor & Material Warranty with No Dollar Limitations as a Standard Warranty for All Applications in this Section 13.00 Must include coverage for roof uplift pressures up to 90 MPH	SF	
13.05	WARRANTY UPCHARGE:	Add to provide coverage for a 25 Year Labor & Material Warranty with No Dollar Limitations	SF	
13.06	WARRANTY UPCHARGE:	Add to provide coverage for a 30 Year Labor & Material Warranty with No Dollar Limitations	SF	
13.07	WARRANTY UPCHARGE:	Add to provide coverage for roof uplift pressures up to 120 MPH	SF	
14.00	METAL ROOFING SYSTEMS - LOW SLOPE & STEEP SLOPE (2)			
14.01	INSULATION OPTIONS FOR ARCHITECTURAL STANDING SEAM ROOF INSTALLATION OVER SUBSTRATE			
14.01.01	INSULATION OPTION:	Architectural Application - No Insulation; 30 lbs. Felt Underlayment Over Deck	SF	
14.01.02	INSULATION OPTION:	Architectural Application - No Insulation - WOOD DECK: Class A Fire-Retardant Underlayment	SF	

14.01.03	INSULATION OPTION:	Architectural Application - Minimal Insulation - WOOD OR METAL DECK: Must Have 1/2" Treated Gypsum Board with Glass-Mat (e.g. DensDeck / Securock / Equal); & 40 mil Self-Adhering Underlayment	SF	
14.01.04	INSULATION OPTION:	Architectural Application - Mechanically Fasten Polyisocyanurate to Provide an Average R-Value of 20; with 40 mil Self-Adhering Underlayment	SF	
14.01.05	INSULATION OPTION:	Structural Application Over Open Framing; Over Retrofit Framing; Over an Existing Roof Using Steel Furring - No Insulation	SF	
14.01.06	INSULATION OPTION:	Structural Application Over Open Framing or Over Retrofit Framing - Fiberglass Batten Insulation with an R-Value of 30	SF	
14.01.07	INSULATION OPTION:	Structural Application Over Retrofit Framing - Loose Laid Fiberglass Blanket on Existing Deck with an R-Value of 30	SF	
14.01.08	INSULATION OPTION:	Structural Application Over an Existing Roof Using Steel Furring - Fiberglass Batten Insulation with an R-Value of 20	SF	
14.01.09	INSULATION OPTION:	Structural Application Over an Existing Roof Using Steel Furring - Mechanically Fastened Polyisocyanurate on Existing Roof with an R-Value of 20	SF	
14.02	ROOF CONFIGURATION Architectural or Structural Standing Seam Roof System; Seam Height At or Above 2"			
14.02.01	THICKNESS OPTION:	Bare Aluminum Panel Price - 0.032" Aluminum, 18" - 19" Wide Panels	SF	
14.02.02	THICKNESS OPTION:	Add for Bare Aluminum 0.040" Aluminum, 18" - 19" Wide Panels	SF	
14.02.03	PANEL WIDTH OPTION:	Add for 12" - 13" Panel Width - Aluminum	SF	
14.02.04	PANEL WIDTH OPTION:	Add for 16" - 17" Panel Width - Aluminum	SF	
14.02.05	PANEL WIDTH OPTION:	Add for 24" - 25" Panel Width - Aluminum	SF	
14.02.06	THICKNESS OPTION:	Bare Galvalume Coated Steel or Equal Panel Price - 24 Ga, 18" - 19" Wide Panels	SF	
14.02.07	THICKNESS OPTION:	Bare Galvalume Coated Steel or Equal Panel Price - 22 Ga, 18" - 19" Wide Panels	SF	
14.02.08	PANEL WIDTH OPTION:	Add for 12" - 13" Panel Width - Galvalume Coated Steel or Equal	SF	
14.02.09	PANEL WIDTH OPTION:	Add for 16" - 17" Panel Width - Galvalume Coated Steel or Equal	SF	
14.02.10	PANEL WIDTH OPTION:	Add for 24" - 25" Panel Width - Galvalume Coated Steel or Equal	SF	
14.02.11	COLOR OPTION:	Add for Standard Colors - Fluorocarbon Paint System Over Aluminum or Galvalume Coated Steel Or Equal	SF	
14.02.12	COLOR OPTION:	Add for Designer Colors - Fluorocarbon Paint System Over Aluminum or Galvalume Coated Steel Or Equal	SF	
14.02.13	COLOR OPTION:	Add for Premium or Custom Colors - Fluorocarbon Paint System Over Aluminum or Galvalume Coated Steel Or Equal	SF	
14.02.14	THICKNESS OPTION:	Stainless Steel Panel Price - 24 Ga, 18" - 19" Wide Panels	SF	

14.02.15	THICKNESS OPTION:	Stainless Steel Panel Price - 22 Ga, 18" - 19" Wide Panels	SF	
14.02.16	PANEL WIDTH OPTION:	Add for 12" - 13" Panel Width - Stainless Steel	SF	
14.02.17	PANEL WIDTH OPTION:	Add for 16" - 17" Panel Width - Stainless Steel	SF	
14.02.18	PANEL WIDTH OPTION:	Add for 24" - 25" Panel Width - Stainless Steel	SF	
14.02.19	THICKNESS OPTION:	Copper Panel Price - 16 oz, 18" - 19" Wide Panels	SF	
14.02.20	THICKNESS OPTION:	Copper Panel Price - 20 Oz, 18" - 19" Wide Panels	SF	
14.02.21	PANEL WIDTH OPTION:	Add for 12" - 13" Panel Width - Copper	SF	
14.02.22	PANEL WIDTH OPTION:	Add for 16" - 17" Panel Width - Copper	SF	
14.02.23	PANEL WIDTH OPTION:	Add for 24" - 25" Panel Width - Copper	SF	
14.02.24	THICKNESS OPTION:	Zinc Panel Price - 0.032", 18" - 19" Wide Panels	SF	
14.02.25	THICKNESS OPTION:	Zinc Panel Price - 0.040", 18" - 19" Wide Panels	SF	
14.02.26	PANEL WIDTH OPTION:	Add for 12" - 13" Panel Width - Zinc	SF	
14.02.27	PANEL WIDTH OPTION:	Add for 16" - 17" Panel Width - Zinc	SF	
14.02.28	PANEL WIDTH OPTION:	Add for 24" - 25" Panel Width - Zinc	SF	
14.02.29	PANEL INSTALLATION OPTION:	Architectural Application - Installed Over a Deck At or Above 3:12 Slope	SF	
14.02.30	PANEL INSTALLATION OPTION:	Architectural Application - Installed Over a Deck Below 3:12 Slope	SF	
14.02.31	PANEL INSTALLATION OPTION:	Structural Application - Installed Over Open Framing At or Above 3:12 Slope	SF	
14.02.32	PANEL INSTALLATION OPTION:	Structural Application - Installed Over Open Framing Below 3:12 Slope	SF	
14.02.33	PANEL INSTALLATION OPTION:	Structural Application - At or Above 3:12 Slope - Installed Over Retrofit Framing System	SF	
14.02.34	PANEL INSTALLATION OPTION:	Structural Application - Installed Over Retrofit Framing System Below 3:12 Slope	SF	
14.02.35	PANEL INSTALLATION OPTION:	Structural Application - Installed Over Existing Roof Using Steel Furring At or Above 3:12 Slope	SF	
14.02.36	PANEL INSTALLATION OPTION:	Structural Application - Installed Over Existing Roof Using Steel Furring Below 3:12 Slope	SF	
14.02.37	PANEL FABRICATION OPTION:	On-Site Roll Forming - To achieve panel lengths in excess of shipping or transportation limitations	SF	
14.02.38	PANEL FABRICATION OPTION:	Curving Panels - Curving panels to meet architectural requirements	SF	
14.02.39	PANEL FABRICATION OPTION:	Tapering Panels - Tapering panels to meet architectural requirements	SF	
14.02.40	WARRANTY CHARGE:	Cost to Provide 20 Year - Labor & Material Warranty with No Dollar Limitations as a Standard Warranty for All Applications in this Section 13.00 Must include coverage for roof uplift pressures up to 90 MPH	SF	

14.02.41	WARRANTY UPCHARGE:	Add to provide coverage for a 25 Year Labor & Material Warranty with No Dollar Limitations	SF	
14.02.42	WARRANTY UPCHARGE:	Add to provide coverage for a 30 Year Labor & Material Warranty with No Dollar Limitations	SF	
14.02.43	WARRANTY UPCHARGE:	Add to provide coverage for roof uplift pressures up to 120 MPH	SF	
14.03	ROOF CONFIGURATION Architectural or Structural Standing Seam Roof System; Seam Height At or Above 1" Below 2"; Aluminum Panels			
14.03.01	THICKNESS OPTION:	Bare Aluminum Panel Price - 0.032" Aluminum, 18" Wide Panels	SF	
14.03.02	THICKNESS OPTION:	Add for Bare Aluminum 0.040" Aluminum, 18" Wide Panels	SF	
14.03.03	PANEL WIDTH OPTION:	Add for 12" Panel Width - Aluminum	SF	
14.03.04	PANEL WIDTH OPTION:	Add for 16" Panel Width - Aluminum	SF	
14.03.05	THICKNESS OPTION:	Bare Galvalume Coated Steel or Equal Panel Price - 24 Ga, 18" Wide Panels	SF	
14.03.06	THICKNESS OPTION:	Bare Galvalume Coated Steel or Equal Panel Price - 22 Ga, 18" Wide Panels	SF	
14.03.07	PANEL WIDTH OPTION:	Add for 12" Panel Width - Galvalume Coated Steel or Equal	SF	
14.03.08	PANEL WIDTH OPTION:	Add for 16" Panel Width - Galvalume Coated Steel or Equal	SF	
14.03.09	COLOR OPTION:	Add for Standard Colors - Fluorocarbon Paint System Over Aluminum or Galvalume Coated Steel Or Equal	SF	
14.03.10	COLOR OPTION:	Add for Designer Colors - Fluorocarbon Paint System Over Aluminum or Galvalume Coated Steel Or Equal	SF	
14.03.11	COLOR OPTION:	Add for Premium or Custom Colors - Fluorocarbon Paint System Over Aluminum or Galvalume Coated Steel Or Equal	SF	
14.03.12	THICKNESS OPTION:	Stainless Steel Panel Price - 24 Ga, 18" Wide Panels	SF	
14.03.13	THICKNESS OPTION:	Stainless Steel Panel Price - 22 Ga, 18" Wide Panels	SF	
14.03.14	PANEL WIDTH OPTION:	Add for 12" Panel Width - Stainless Steel	SF	
14.03.15	PANEL WIDTH OPTION:	Add for 16" Panel Width - Stainless Steel	SF	
14.03.16	THICKNESS OPTION:	Copper Panel Price - 16 oz, 18" Wide Panels	SF	
14.03.17	THICKNESS OPTION:	Copper Panel Price - 20 Oz, 18" Wide Panels	SF	
14.03.18	PANEL WIDTH OPTION:	Add for 12" Panel Width - Copper	SF	
14.03.19	PANEL WIDTH OPTION:	Add for 16" Panel Width - Copper	SF	
14.03.20	THICKNESS OPTION:	Zinc Panel Price - 0.032", 18" Wide Panels	SF	
14.03.21	THICKNESS OPTION:	Zinc Panel Price - 0.040", 18" Wide Panels	SF	
14.03.22	PANEL WIDTH OPTION:	Add for 12" Panel Width - Zinc	SF	
14.03.23	PANEL WIDTH OPTION:	Add for 16" Panel Width - Zinc	SF	
14.03.24	PANEL INSTALLATION OPTION:	Architectural Application - Installed Over Substrate At or Above 3:12 Slope	SF	
14.03.25	PANEL INSTALLATION OPTION:	Architectural Application - Installed Over Substrate Below 3:12 Slope	SF	
14.03.26	PANEL INSTALLATION OPTION:	Structural Application - Installed Over Open Framing At or Above 3/12 Slope	SF	

14.03.27	PANEL INSTALLATION OPTION:	Structural Application - Installed Over Retrofit Framing System At or Above 3:12 Slope	SF	
14.03.28	PANEL INSTALLATION OPTION:	Structural Application - Installed Over Existing Roof Using Steel Furring At or Above 3:12 Slope	SF	
14.03.30	WARRANTY CHARGE:	Cost to Provide 20 Year - Labor & Material Warranty with No Dollar Limitations as a Standard Warranty for All Applications in this Section 14.03 Must include coverage for roof uplift pressures up to 90 MPH	SF	
14.03.31	WARRANTY UPCHARGE:	Add to provide coverage for a 25 Year Labor & Material Warranty with No Dollar Limitations	SF	
14.03.32	WARRANTY UPCHARGE:	Add to provide coverage for a 30 Year Labor & Material Warranty with No Dollar Limitations	SF	
14.03.33	WARRANTY UPCHARGE:	Add to provide coverage for roof uplift pressures up to 120 MPH	SF	
14.04	ROOF CONFIGURATION Architectural Standing Seam Roof System; Seam Height Below 1"			
14.04.01	THICKNESS OPTION:	Bare Aluminum Panel Price - 0.032" Aluminum, 14.5" Wide Panels	SF	
14.04.02	THICKNESS OPTION:	Add for Bare Aluminum 0.040" Aluminum, 14.5" Wide Panels	SF	
14.04.03	THICKNESS OPTION:	Bare Galvalume Coated Steel or Equal Panel Price - 24 Ga, 14.5" Wide Panels	SF	
14.04.04	THICKNESS OPTION:	Bare Galvalume Coated Steel or Equal Panel Price - 22 Ga, 14.5" Wide Panels	SF	
14.04.05	COLOR OPTION:	Add for Standard Colors - Fluorocarbon Paint System Over Aluminum or Galvalume Coated Steel Or Equal	SF	
14.04.06	COLOR OPTION:	Add for Designer Colors - Fluorocarbon Paint System Over Aluminum or Galvalume Coated Steel Or Equal	SF	
14.04.07	COLOR OPTION:	Add for Premium or Custom Colors - Fluorocarbon Paint System Over Aluminum or Galvalume Coated Steel Or Equal	SF	
14.04.08	THICKNESS OPTION:	Stainless Steel Panel Price - 24 Ga, 14.5" Wide Panels	SF	
14.04.09	THICKNESS OPTION:	Stainless Steel Panel Price - 22 Ga, 14.5" Wide Panels	SF	
14.04.10	THICKNESS OPTION:	Copper Panel Price - 16 Oz., 14.5" Wide Panels	SF	
14.04.11	THICKNESS OPTION:	Copper Panel Price - 20 Oz., 14.5" Wide Panels	SF	
14.04.12	THICKNESS OPTION:	Zinc Panel Price - 0.032" , 14.5" Wide Panels	SF	
14.04.13	THICKNESS OPTION:	Zinc Panel Price - 0.040", 14.5" Wide Panels	SF	
14.04.14	PANEL INSTALLATION OPTION:	Architectural Application - Installed Over Substrate At or Above 3:12 Slope	SF	
14.04.15	PANEL INSTALLATION OPTION:	Architectural Application - Installed Over Substrate Below 3:12 Slope	SF	

14.04.16		Cost to Provide 15 Year - Material Warranty Limited to the Dollar Amount of the Material Original Purchase as a Standard Warranty for All Applications in this Section 14.04 Must include coverage for roof uplift pressures up to 90 MPH	WARRANTY CHARGE:	SF	
14.05	ROOF CONFIGURATION				
	Flat Seam Metal Roof System - 8' Wide / 30 Gauge				
14.05.01		3/4" of Expanded Polystyrene (Minimum 1.5 lbs./cft) - Includes Panel and Installation of Roof System	INSULATION OPTION:	SF	
14.05.02		Mechanically Fastened Polyisocyanurate with an Average R-Value of 20 - Includes Panel and Installation of Roof System	INSULATION OPTION:	SF	
14.05.03		Add Install 40 mil self-adhesive membrane as an Underlayment	UNDERLAYMENT OPTION:	SF	
14.05.04		Add/Deduct for 6' Wide Option	PANEL WIDTH OPTION:	SF	
14.05.05		Add/Deduct for 10' Wide Option	PANEL WIDTH OPTION:	SF	
14.05.06		Add/Deduct for 12' Wide Option	PANEL WIDTH OPTION:	SF	
14.05.07		Cost to Provide 15 Year - Material Warranty Limited to the Dollar Amount of the Material Original Purchase as a Standard Warranty for All Applications in this Section 14.05 Must include coverage for roof uplift pressures up to 90 MPH	WARRANTY CHARGES:	SF	
15.00	RESTORATIONS - RECOATING OF EXISTING ROOF SYSTEMS				
15.01	PREPARE METAL ROOF FOR RESTORATION BY WIRE BRUSHING ROOF SURFACE Wire Brush Metal Roof Surface to Remove Loose Paint, Rust or Expose Bare Metal			SF	
15.02	PREPARE METAL ROOF FOR RESTORATION BY WIRE BRUSHING METAL ROOF SEAMS Wire Brush Metal Roof Seams to Remove Loose Paint, Rust or Expose Bare Metal			LF	
15.03	PREPARE METAL ROOF FOR RESTORATION BY SANDBLASTING METAL ROOF Sand-Blast Metal Roof Surface and Seams to Remove Loose Paint, Rust or Expose Bare Metal			SF	
15.04	RESATURATION OF ASPHALT ROOF SURFACE WITH ASPHALT COATING SYSTEM Wet Vac Roof to Remove Aggregate, Apply Cold Applied Modified Asphalt Flood Coat & New Aggregate - Coating Applied at 6-8 Gallons per Sq. w/ New Gravel According to Manufacturer's Specifications (New Flashings also Required Separate Line Item)			SF	
15.05	RESATURATION OF ASPHALT OR COAL TAR PITCH BURs WITH COAL-TAR PITCH COATING SYSTEM Wet Vac Roof to Remove Aggregate, Apply Cold Applied Modified Coal Tar Flood Coat & New Aggregate as Specified Applied at 6-8 Gallons per Sq. w/ New Gravel According to Manufacturer's Specifications (New Flashings also Required Refer to Flashing Line Item)			SF	
15.06	RESTORATION OF METAL ROOF SYSTEM WITH SYNTHETIC RUBBER COLD-APPLIED COATING Prepare Metal Roof Surface by Scraping, Sanding, Wire Brush or Blasting (USE SEPRATE LINE ITEM FOR BLASTING OR WIRE BRUSHING); Clean with TSP or Simple Green; Use Portable Blowers to Clear Roof of Moisture; Apply seam sealer to seams (1 Gallon per 14 left) Base Coat / Top Coat with Synthetic Rubberized Restorative Coating (1.5 Gallons per Sq.) According to Manufacturer's Specifications			SF	
15.07	RESTORATION OF A METAL ROOF SYSTEM WITH SINGLE-COMPONENT URETHANE Prepare Metal Roof Surface by Scraping, Sanding, Wire Brush or Blasting (USE SEPARATE LINE ITEM FOR BLASTING OR WIRE BRUSHING); Clean with TSP or Simple Green, Apply Primer with Rust Inhibiting and Chemical Corrosion Resistance at a Rate of 1/4 Gallon per Square; Wait at least 3 Hours for Primer to Dry; Strip in Seams, Around Penetrations and Fasteners with a Single-Component, Aliphatic Urethane at a Rate of 2 Gallons per Square / Reinforcement / 1 Gallon per Square (3 Gallons per Square on All Stripped in Areas) USE SEPARATE LINE ITEM; Wait 24-48 Hours; Apply Single-Component, Aliphatic Urethane as a Base Coat at a Rate of 1.5 Gallons per Square and Top Coat at a Rate of 1.0 Gallon per Square Over the Entire Roof According to Manufacturer's Specifications.			SF	
15.08	RESTORATION OF A METAL ROOF SYSTEM WITH TWO-COMPONENT, LOW-ODER URETHANE Prepare Metal Roof Surface by Scraping, Sanding, Wire Brush or Blasting (USE SEPARATE LINE ITEM FOR BLASTING OR WIRE BRUSHING); Clean with TSP or Simple Green, Apply Primer with Rust Inhibiting and Chemical Corrosion Resistance at a Rate of 1/4 Gallon per Square; Wait at least 3 Hours for Primer to Dry; Strip in Seams, Around Penetrations and Fasteners with a Two-Component, Low-Oder Urethane at a Rate of 2 Gallons per Square / Reinforcement / 1 Gallon per Square (3 Gallons per Square on All Stripped-In Areas) USE SEPARATE LINE ITEM; Wait 24-48 Hours; Apply Two-Component, Low-Oder Urethane as a Base Coat at a Rate of 1.5 Gallons per Square and Top Coat at a Rate of 1.0 Gallon per Square Over the Entire Roof According to Manufacturer's Specifications.			SF	

15.09	COAT ROOF WITH HIGH PERFORMANCE FLUORPOLYMER PAINT SYSTEM FOR METAL ROOFS Prepare Metal Roof Surface by Scraping, Sanding, Wire Brushing or Blasting (USE SEPARATE LINE ITEM FOR BLASTING & WIRE BRUSHING); Clean with TSP or Simple Green, Prime at a Rate of (Primer 1/4" Gallon per Square); Wait; Install Base Coat and Top Coat at a Rate of 1/4 Gallon per Sq. per Coat According to Manufacturer's Specifications	SF	
15.10	RESTORATION OF A SINGLE-PLY WITH SINGLE-COMPONENT URETHANE & STRIPPED SEAMS Prepare Roof Surface by Cleaning with TSP or Simple Green, Use Portable Blowers to Clear the Roof Surface of Moisture; Strip in Seams by Applying a Single-Component, Aliphatic Urethane 2 Gallons per Square USE SEPARATE LINE ITEM, Wait 24-48 Hours, Apply Single-Component, Aliphatic Urethane as a Base Coat at a Rate of 1.5 Gallons per Square and Top Coat at a Rate of 1.0 Gallon per Square Over the Entire Roof According to Manufacturer's Specifications.	SF	
15.11	RESTORATION OF SMOOTH-SURFACED BURs/MODIFIED BURs ROOF SYSTEMS WITH SINGLE-COMPONENT URETHANE & REINFORCED SEAMS Prepare Roof Surface by Cleaning with TSP or Simple Green, Use Portable Blowers to Clear the Roof Surface of Moisture; Reinforce Seams by Applying a Single-Component, Aliphatic Urethane 2 Gallons per Square / Reinforcement / 1 Gallon per Square (3 Gallons per Square on Seams) USE SEPARATE LINE ITEM, Wait 24-48 Hours, Apply Single-Component, Aliphatic Urethane as a Base Coat at a Rate of 2 Gallons per Square and a Top Coat of 1.5 Gallons per Square Over the Entire Roof According to Manufacturer's Specifications.	SF	
15.12	RESTORATION OF A SINGLE-PLY ROOF OR SMOOTH-SURFACE BUR/MODIFIED BUR SYSTEMS WITH FULLY-REINFORCED, SINGLE-COMPONENT URETHANE Prepare Roof Surface by Cleaning with TSP or Simple Green, Use Portable Blowers to Clear the Roof Surface of Moisture; Reinforce Entire Roof Surface by Applying a Single-Component, Aliphatic Urethane 2 Gallons per Square / Reinforcement / 1 Gallon per Square (3.0 Gallons per Square Total Prior to Top Coat), Wait 24-48 Hours, Apply Single-Component, Aliphatic Urethane as a Top Coat at a Rate of 2 Gallons per Square Over the Entire Roof According to Manufacturer's Specifications.	SF	
15.13	RESTORATION OF A MINERAL-SURFACED BURs/MODIFIED BURs ROOF SYSTEMS WITH SINGLE-COMPONENT URETHANE & REINFORCED SEAMS Prepare Roof Surface by Cleaning with TSP or Simple Green, Use Portable Blowers to Clear the Roof Surface of Moisture; Reinforce Seams by Applying a Single-Component, Aliphatic Urethane 2 Gallons per Square / Reinforcement / 1 Gallon per Square (3 Gallons per Square on Seams) USE SEPARATE LINE ITEM, Wait 24-48 Hours, Apply Single-Component, Aliphatic Urethane as a Base Coat at a Rate of 2.0 Gallons per Square and Top Coat at a Rate of 2.0 Gallons per Square Over the Entire Roof According to Manufacturer's Specifications.	SF	
15.14	RESTORATION OF A MINERAL-SURFACE BUR/MODIFIED BUR SYSTEMS WITH FULLY-REINFORCED, SINGLE-COMPONENT URETHANE Prepare Roof Surface by Cleaning with TSP or Simple Green, Use Portable Blowers to Clear the Roof Surface of Moisture; Reinforce Entire Roof Surface by Applying a Single-Component, Aliphatic Urethane 2 Gallons per Square / Reinforcement / 1.5 Gallon per Square (3.5 Gallons per Square Total Prior to Top Coat), Wait 24-48 Hours, Apply Single-Component, Aliphatic Urethane as a Top Coat at a Rate of 2 Gallons per Square Over the Entire Roof According to Manufacturer's Specifications.	SF	
15.15	RESTORATION OF A SINGLE-PLY WITH TWO-COMPONENT, LOW-ODER URETHANE & STRIPPED SEAMS Prepare Roof Surface by Cleaning with TSP or Simple Green, Use Portable Blowers to Clear the Roof Surface of Moisture; Strip in Seams by Applying a Two-Component, Low-Oder Urethane 2 Gallons per Square USE SEPARATE LINE ITEM, Wait 24-48 Hours, Apply Two-Component, Low-Oder Urethane as a Base Coat at a Rate of 1.5 Gallons per Square and a Top Coat at a Rate of 1.0 Gallon per Square Over the Entire Roof According to Manufacturer's Specifications.	SF	
15.16	RESTORATION OF SMOOTH-SURFACED BURs/MODIFIED BURs ROOF SYSTEMS WITH TWO-COMPONENT, LOW-ODER URETHANE & REINFORCED SEAMS Prepare Roof Surface by Cleaning with TSP or Simple Green, Use Portable Blowers to Clear the Roof Surface of Moisture; Reinforce Seams by Applying a Two-Component, Low-Oder Urethane 2 Gallons per Square / Reinforcement / 1 Gallon per Square (3 Gallons per Square on Seams) USE SEPARATE LINE ITEM, Wait 24-48 Hours, Apply Two-Component, Low-Oder Urethane as a Base Coat at a Rate of 2 Gallons per Square and a Top Coat at a Rate of 1.5 Gallons per Square Over the Entire Roof According to Manufacturer's Specifications.	SF	
15.17	RESTORATION OF A SINGLE-PLY ROOF OR SMOOTH-SURFACE BUR/MODIFIED BUR SYSTEMS WITH FULLY-REINFORCED, TWO-COMPONENT, LOW-ODER URETHANE Prepare Roof Surface by Cleaning with TSP or Simple Green, Use Portable Blowers to Clear the Roof Surface of Moisture; Reinforce Entire Roof Surface by Applying a Two-Component, Low-Oder Urethane 2 Gallons per Square / Reinforcement / 1 Gallon per Square (3 Gallons per Square Total Prior to Top Coat), Wait 24-48 Hours, Apply Two-Component, Low-Oder Urethane as a Top Coat at a Rate of 2 Gallons per Square Over the Entire Roof According to Manufacturer's Specifications.	SF	
15.18	RESTORATION OF A MINERAL-SURFACED BURs/MODIFIED BURs ROOF SYSTEMS WITH TWO-COMPONENT, LOW-ODOR URETHANE & REINFORCED SEAMS Prepare Roof Surface by Cleaning with TSP or Simple Green, Use Portable Blowers to Clear the Roof Surface of Moisture; Reinforce Seams by Applying a Two-Component, Low-Oder Urethane 2.0 Gallons per Square / Reinforcement / 1.0 Gallon per Square (3 Gallons per Square on Seams) USE SEPARATE LINE ITEM, Wait 24-48 Hours, Apply Two-Component, Low-Oder Urethane as a Base Coat at a Rate of 2.0 Gallons per Square and a Top Coat at a Rate of 2.0 Gallons per Square Over the Entire Roof According to Manufacturer's Specifications.	SF	

15.19	RESTORATION OF A MINERAL-SURFACE BUR/MODIFIED BUR SYSTEMS WITH FULLY-REINFORCED, TWO-COMPONENT, LOW-ODOR URETHANE Prepare Roof Surface by Cleaning with TSP or Simple Green, Use Portable Blowers to Clear the Roof Surface of Moisture; Reinforce Entire Roof Surface by Applying a Two-Component, Low-Odor Urethane 2 Gallons per Square / Reinforcement / 1.5 Gallon per Square (3.5 Gallons per Square Total Prior to Top Coat), Wait 24-48 Hours, Apply Two-Component, Low-Odor Urethane as a Top Coat at a Rate of 2 Gallons per Square Over the Entire Roof According to Manufacturer's Specifications.	SF	
15.20	RESATURATION OF SMOOTH-SURFACED ASPHALT ROOF WITH FULLY REINFORCED FIBERED ASPHALT COATING SYSTEM Infrared roof scan roof system and replace all wet insulation (USE SEPARATE LINE ITEMS); Prime the roof surface at rate of 1/2 - 3/4 Gallons per Square; Apply heavy-bodied, fiber reinforced asphalt roof coating and embed firm polyester reinforcement at a rate of 3.0 Gallons per Square / Polyester /3.5 Gallons per Square.	SF	
15.21	RESATURATION OF SMOOTH-SURFACED ASPHALT ROOF WITH FULLY REINFORCED FIBERED ASPHALT COATING SYSTEM Infrared roof scan roof system and replace all wet insulation (USE SEPARATE LINE ITEMS); Prime the roof surface at rate of 1/2 - 3/4 Gallons per Square; Apply heavy-bodied, fiber reinforced asphalt roof coating and embed soft polyester reinforcement at a rate of 1.2 Gallons per Square / Polyester /1.4 Gallons per Square.	SF	
15.22	RESATURATION OF MINERAL-SURFACED ASPHALT ROOF WITH FULLY REINFORCED FIBERED ASPHALT COATING SYSTEM Infrared roof scan roof system and replace all wet insulation (USE SEPARATE LINE ITEMS); Prime the roof surface at rate of 1/2 - 3/4 Gallons per Square; Apply heavy-bodied, fiber reinforced asphalt roof coating and embed firm polyester reinforcement at a rate of 3.5 Gallons per Square / Polyester / 3.5 Gallons per Square.	SF	
15.23	RESATURATION OF MINERAL-SURFACED ASPHALT ROOF WITH FULLY REINFORCED FIBERED ASPHALT COATING SYSTEM Infrared Roof Scan Roof System And Replace All Wet Insulation (Use Separate Line Items); Prime The Roof Surface At Rate Of 1/2 - 3/4 Gallons Per Square; Apply Heavy-Bodied, Fiber Reinforced Asphalt Roof Coating And Embed Soft Polyester Reinforcement At A Rate Of 1.4 Gallons Per Square / Polyester /1.4 Gallons Per Square.	SF	
15.24	COAT EXISTING ROOF SURFACE WITH FIBERED ALUMINUM ROOF COATING Prepare Roof Surface by Sweeping Off All Dirt, Dust and Debris; If Existing Roof Surface is Weathered, Prime the Roof Surface at a Rate of 1 Gallon per Square; If Repairs to Any Cracks, Splits or Surface Irregularities Exist, Repair with a 3 Course Application of Mastic / Mesh / Mastic (USE SEPARATE LINE ITEM); Apply Fibered Aluminum Roof Coating at a Rate of 2 Gallons per Square.	SF	
15.25	RESTORATION OF SMOOTH-SURFACED OR MINERAL-SURFACED ASPHALT-BASED ROOF WITH FULLY-REINFORCED GLASS FIBERED ASPHALT EMULSION Prepare Roof Surface to be Clean & Free of Dust; Repair All Splits Tears of Blisters with a Three Course Application of Mastic / Mesh / Mastic (USE SEPARATE LINE ITEM); Prime the Roof Surface at a Rate of 1/2 Gallon per Square. Embed Polyester into the Asphalt Emulsion in a 2 Coat Application at a Rate of 3 Gallons per Square / Polyester / 3 Gallons per Square	SF	
15.26	RESTORATION OF SMOOTH-SURFACED OR MINERAL-SURFACED ASPHALT-BASED ROOF WITH GLASS FIBERED ASPHALT EMULSION Prepare Roof Surface to be Clean & Free of Dust; Repair All Splits Tears of Blisters with a Three Course Application of Mastic / Mesh / Mastic (USE SEPARATE LINE ITEM); Prime the Roof Surface at a Rate of 1/2 Gallon per Square. Apply Asphalt Emulsion in a 2 Coat Application at a Rate of 2.5 Gallons per Square per Coat.	SF	
15.27	RESTORATION OF SINGLE-PLY, SMOOTH-SURFACED OR MINERAL-SURFACED ASPHALT-BASED ROOF WITH SILICONE COATING Prepare Roof Surface to be Clean & Free of Dust; Apply Silicone Coating System in a Single Coat Application at a Rate of 2.5 Gallons per Square	SF	
15.28	RESTORATION OF GRAVEL-SURFACED ASPHALT-BASED ROOF WITH SILICONE COATING Wet Vac or Spud Any Loose Gravel Off of Roof Surface & Dispose; Sweep Roof Surface to be Clean and Free of Dust; Apply Primer as a Bleed-Blocker at a Rate of 1/2 Gallon per Square; Apply Self-Leveling Silicone at a Rate of 6 Gallons per Square; Apply Silicone Coating System in a Single Coat Application at a Rate of 2.5 Gallons per Square.	SF	
15.29	ELASTOMERIC ASPHALT-BASED LIQUID APPLIED MEMBRANE SYSTEM FOR SMOOTH OR MINERAL SURFACED ROOFS Clean and Prime then Install Base Coat / Top Coat as Specified with Reinforced Seams - Restoration Coating Fully Reinforced System w/ Reflective Top Coat (3 Gallons per Sq. of Restoration Coating - Reinforcement - Additional 3 Gallons per Sq. of Restoration Coating; Allow 30 Day Cure and Install Reflective Coating at 1 Gallon per Sq. (New Flashings also Required Refer to Flashing Line Item)	SF	
15.30	REINFORCING SEAMS WITH SINGLE-COMPONENT URETHANE Reinforce Seams by Applying a Single-Component, Aliphatic Urethane 2 Gallons per Square / Reinforcement / 1 Gallons per Square (3 Gallons per Square on Seams)	LF	
15.31	REINFORCING SEAMS WITH TWO-COMPONENT, LOW-ODOR URETHANE Reinforce Seams by Applying a Two-Component, Low-Odor Urethane 2 Gallons per Square / Reinforcement / 1 Gallons per Square (3 Gallons per Square on Seams)	LF	
15.32	STRIPPING IN SEAMS WITH SINGLE-COMPONENT URETHANE Strip in Seams by Applying a Single-Component, Aliphatic Urethane 2 Gallons per Square	LF	
15.33	STRIPPING IN SEAMS WITH TWO-COMPONENT, LOW-ODOR URETHANE Strip in Seams by Applying a Two-Component, Low Odor Urethane 2 Gallons per Square	LF	
16.00	INSTALLATION OF SHAKE, TILE, OR SHINGLE ROOF SYSTEMS		

16.01	INSTALL NEW THREE-TAB SHINGLE ROOF SYSTEM - New Three-Tab Shingles with Base Sheet as an Underlayment; Install Self-Adhering Underlayment on All Eaves, Peaks & Valleys		SF	
16.02	REPLACING ARCHITECTURAL SHINGLE ROOF SYSTEM - New Dimensional Shingle Roof System with Base Sheet as an Underlayment; Install Self-Adhering Underlayment on All Eaves, Peaks & Valleys		SF	
16.03	INSTALL NEW DIMENSIONAL SHINGLE ROOF SYSTEM - New Dimensional Shingle Roof System with Base Sheet as an Underlayment; Install Self-Adhering Underlayment on All Eaves, Peaks & Valleys		SF	
16.04	INSTALL NEW CEDAR SHAKE ROOF SYSTEM - New Cedar Shake Roof System with Base Sheet as an Underlayment; Install Self-Adhering Underlayment on All Eaves, Peaks & Valleys		SF	
16.05	INSTALL NEW BARREL CLAY/CEMENT TILE ROOF SYSTEM - New Barrel Clay/Cement Tile Roof System with Base Sheet as an Underlayment; Install Self-Adhering Underlayment on All Eaves, Peaks & Valleys		SF	
16.06	INSTALL SLATE TILE ROOF SYSTEM - New Slate Tile Roof System with Base Sheet as an Underlayment; Install Self-Adhering Underlayment on All Eaves, Peaks & Valleys		SF	
16.07	ADD/DEDUCT TO INSTALL SELF-ADHERING UNDERLAYMENT OVER ENTIRE ROOF - Install Self-Adhering Underlayment on Entire Roof Deck		SF	
17.00	FULLY ADHERED SINGLE-PLY ROOF SYSTEMS			
17.01	METAL DECK - SINGLE-PLY APPLICATION			
17.01.01		INSULATION OPTION: Mechanically Fasten Polyisocyanurate / Adhere 1/2" Treated Gypsum Insulation Board with Glass-Mat (e.g. DensDeck / Securock / Equal) with Insulation Adhesive to Provide an Average R-Value of 20	SF	
17.02	WOOD/TECTUM DECK - SINGLE-PLY APPLICATION			
17.02.01		INSULATION OPTION: WOOD DECK: Mechanically Fasten Polyisocyanurate / Adhere Treated 1/2" Gypsum Insulation Board with Glass-Mat (e.g. DensDeck / Securock / Equal) with Insulation Adhesive to Provide an Average R-Value of 20	SF	
17.02.02		INSULATION OPTION: TECTUM DECK: Mechanically Attach Base Sheet & Adhere Polyisocyanurate in Insulation Adhesive / Adhere 1/2" Treated Gypsum Insulation Board with Glass-Mat (e.g. DensDeck / Securock / Equal) in Insulation Adhesive to Provide an Average R-Value of 20	SF	
17.02.03		INSULATION OPTION: Without Insulation - Must Include Rosin & Mechanically Fasten Glass Base Sheet	SF	
17.03	LIGHTWEIGHT CONCRETE/GYPSUM DECK - SINGLE-PLY APPLICATION			
17.03.01		INSULATION OPTION: Adhere Polyisocyanurate in Insulation Adhesive / Adhere 1/2" Treated Gypsum Insulation Board with Glass-Mat (e.g. DensDeck / Securock / Equal) in Insulation Adhesive to Provide an Average R-Value of 20	SF	
17.03.02		INSULATION OPTION: Without Insulation - Must Include Rosin & Mechanically Fasten Glass Base Sheet	SF	
17.04	CONCRETE DECK - SINGLE-PLY APPLICATION			
17.04.01		INSULATION OPTION: Adhere Polyisocyanurate in Insulation Adhesive / Adhere 1/2" Treated Gypsum Insulation Board with Glass-Mat (e.g. DensDeck / Securock / Equal) in Insulation Adhesive to Provide an Average R-Value of 20	SF	
17.04.02		INSULATION OPTION: Minimal Insulation - Must Adhere 1/2" Treated Gypsum Insulation Board with Glass-Mat (e.g. DensDeck / Securock / Equal) in Insulation Adhesive to Provide an Average R-Value of 20	SF	

17.05	ROOF CONFIGURATION: Fully Adhered Single-Ply Roof System Installed Over Prepared Surface or Insulation			
17.05.01	SINGLE-PLY ROOF TYPE:	ASTM D 4637 - Ethylene Propylene Diene Terpolymer (EPDM) - 45 Mil Thickness	SF	
17.05.02	SINGLE-PLY ROOF TYPE:	ASTM D 4637 - Ethylene Propylene Diene Terpolymer (EPDM) - 60 Mil Thickness	SF	
17.05.03	SINGLE-PLY ROOF TYPE:	ASTM D 4637 - Ethylene Propylene Diene Terpolymer (EPDM) - 90 Mil Thickness	SF	
17.05.04	SINGLE-PLY ROOF TYPE:	ASTM D 6878 - Thermoplastic Polyolefin (TPO) - 45 Mil Thickness	SF	
17.05.05	SINGLE-PLY ROOF TYPE:	ASTM D 6878 - Thermoplastic Polyolefin (TPO) - 60 Mil Thickness	SF	
17.05.06	SINGLE-PLY ROOF TYPE:	ASTM D 6878 - Thermoplastic Polyolefin (TPO) - 90 Mil Thickness	SF	
17.05.07	SINGLE-PLY ROOF TYPE:	ASTM D 4434 - Poly Vinyl Chloride (PVC) - 45 Mil Thickness	SF	
17.05.08	SINGLE-PLY ROOF TYPE:	ASTM D 4434 - Poly Vinyl Chloride (PVC) - 60 Mil Thickness	SF	
17.05.09	SINGLE-PLY ROOF TYPE:	ASTM D 4434 - Poly Vinyl Chloride (PVC) - 90 Mil Thickness	SF	
17.05.10	SINGLE-PLY ROOF TYPE:	ASTM D 6754 - Ketone Ethylene Ester (KEE) - 45 Mil Thickness	SF	
17.05.11	SINGLE-PLY ROOF TYPE:	ASTM D 6754 - Ketone Ethylene Ester (KEE) - 60 Mil Thickness	SF	
17.05.12	SINGLE-PLY ROOF TYPE:	ASTM D 6754 - Ketone Ethylene Ester (KEE) - 80 Mil Thickness	SF	
17.05.13	INSTALLATION OPTION:	Add / Deduct for Mechanically Attaching Single-Ply Roof System Vs. Fully Adhering	SF	
17.05.15	WARRANTY CHARGES:	Cost to Provide 15 Year - Material Warranty Limited to the Dollar Amount of the Material Original Purchase as a Standard Warranty for All Applications in this Section 17.05 Must include coverage for roof uplift pressures up to 90 MPH	SF	
17.05.16	WARRANTY UPCHARGE:	Add to provide coverage for a 15 Year Labor & Material Warranty with No Dollar Limitations	SF	
17.05.17	WARRANTY UPCHARGE:	Add to provide coverage for a 20 Year Labor & Material Warranty with No Dollar Limitations	SF	
17.05.18	WARRANTY UPCHARGE:	Add to provide coverage for roof uplift pressures up to 120 MPH	SF	
18.00	FLUID APPLIED WATERPROOFING MEMBRANE SYSTEMS WITH POLYURETHANE RESIN COATINGS			
18.01	POLYURETHANE COATINGS DIRECT TO PRIMED CONCRETE SUBSTRATE (INCLUDE PRIMER FOR CONCRETE SUBSTRATE)			
18.01.01	FLUID APPLIED MEMBRANE SYSTEM:	Two Coat System	SF	
18.01.02	FLUID APPLIED MEMBRANE SYSTEM:	Three Coat System	SF	
18.01.03	FLUID APPLIED MEMBRANE SYSTEM:	Three Coat Reinforced System	SF	
18.01.04	FLUID APPLIED MEMBRANE SYSTEM:	Four Coat Reinforced System	SF	
18.01.05	WARRANTY CHARGES:	5 Year Waterproofing Material Warranty Limited to the Dollar Amount of the Material Original Purchase as a Standard Warranty for All Applications in this Section 18.01	SF	
18.01.06	WARRANTY CHARGES:	10 Year Waterproofing Material Warranty Limited to the Dollar Amount of the Material Original Purchase as a Standard Warranty for All Applications in this Section 18.01	SF	
18.02	POLYURETHANE COATINGS DIRECT TO WOOD SUBSTRATE			
18.02.01	FLUID APPLIED MEMBRANE SYSTEM:	Two Coat System	SF	
18.02.02	FLUID APPLIED MEMBRANE SYSTEM:	Three Coat System	SF	
18.02.03	FLUID APPLIED MEMBRANE SYSTEM:	Three Coat Reinforced System	SF	

18.02.04	FLUID APPLIED MEMBRANE SYSTEM:	Four Coat Reinforced System	SF	
18.02.05	WARRANTY CHARGES:	5 Year Waterproofing Material Warranty Limited to the Dollar Amount of the Material Original Purchase as a Standard Warranty for All Applications in this Section 18.02	SF	
18.02.06	WARRANTY CHARGES:	10 Year Waterproofing Material Warranty Limited to the Dollar Amount of the Material Original Purchase as a Standard Warranty for All Applications in this Section 18.02	SF	
18.03	FLUID APPLIED WATERPROOFING MEMBRANE SYSTEM BASE ON POLYURETHANE RESINS - CONCRETE SURFACE REPAIRS & PREPARATION			
18.03.01	CONCRETE REPAIRS TO OVERHEAD SURFACES: 2"-4" DEPTH	Removal and replacement of damaged concrete to exclude substrate repair / re-installation	SF	
18.03.02	CONCRETE REPAIRS TO OVERHEAD SURFACES: FULL DEPTH	Removal and replacement of damaged concrete to exclude substrate repair / re-installation	SF	
18.03.03	CONCRETE REPAIRS TO VERTICAL SURFACES: 3"-5" DEPTH	Removal and replacement of damaged concrete to exclude substrate repair / re-installation	SF	
18.03.04	CONCRETE REPAIRS TO VERTICAL SURFACES - 5"-8" DEPTH	Removal and replacement of damaged concrete to exclude substrate repair / re-installation; includes reinforcement	SF	
18.03.05	CONCRETE REPAIRS TO VERTICAL SURFACES - FULL DEPTH	Removal and replacement of damaged concrete to exclude substrate repair / re-installation; includes reinforcement	SF	
18.03.06	CONCRETE REPAIRS TO HORIZONTAL SURFACES: 2"-4" DEPTH	Removal and replacement of damaged concrete to exclude substrate repair / re-installation	SF	
18.03.07	CONCRETE REPAIRS TO HORIZONTAL SURFACES - 4"-6" DEPTH	Removal and replacement of damaged concrete to exclude substrate repair / re-installation; includes reinforcement	SF	
18.03.08	CONCRETE REPAIRS TO HORIZONTAL SURFACES - FULL DEPTH	Removal and replacement of damaged concrete to exclude substrate repair / re-installation; includes reinforcement	SF	
18.03.09	GRINDING	Grind an existing coating	SF	
18.03.10	HANDHELD GRINDING	Grind an existing coating in areas that only can be done by hand	SF	
18.03.11	MILLING	Mill an existing coating 1/8 inch to 1/4 inch	SF	
18.03.12	PRESSURE WASHING - HORIZONTAL	Pressure washing horizontal surfaces with 2000 PSI or greater	SF	
18.03.13	PRESSURE WASHING - VERTICAL	Pressure washing horizontal surfaces with 2000 PSI or greater	SF	
18.03.14	SAND BLASTING	Sand blast an existing coating	SF	
18.03.15	SHOT BLASTING	Shot blast an existing coating	SF	
18.04	FLUID APPLIED WATERPROOFING MEMBRANE SYSTEM BASE ON POLYURETHANE RESINS - ANCILARY REPAIRS & SURFACE PREPARATION			
18.04.01	STRUCTURAL EXPANSION JOINT	Installation or replacement of an expansion joint that is necessary for structural integrity	LF	
18.04.02	CAULKING JOINTS	Installation of caulking in joints. See caulking chart	LF	
18.04.03	ROUTING AND REMOVAL OF EXISTING CAULK	Rout and remove of existing caulk out of expansion joints	LF	
18.04.04	EPOXY INJECTION FOR CRACK REPAIR	Route cracks, drill holes every 18" inches, and inject and seal with epoxy	LF	
18.04.05	TAPE WOOD DECK JOINTS - INSTALLATION OF TAPE ON DECK JOINTS		LF	
18.04.06	WOOD SUBSTRATE REPLACEMENT - REMOVAL AND REPLACEMENT		SF	
18.05	FLUID APPLIED WATERPROOFING MEMBRANE SYSTEM BASE ON POLYURETHANE RESINS - ADDITIONAL OPTIONS FOR APPLICATION & SURFACING			
18.05.01	INSTALL REINFORCEMENT IN COATING SYSTEM	Installation of reinforcement adjustment of coverage rates to accommodate reinforcement	LF	
18.05.02	BROADCAST GRANULES TO PROVIDE SKID RESISTANCE	Broadcast aggregate or granules to provide skid resistance in top coat	LF	
19.00	WALL COATINGS FOR COATING WALL SYSTEMS			
19.01	ELASTOMERIC COATING FOR STUCCO WALL SYSTEM -	Base Coat of Coating @ 1 Gallon per Sq. / Top Coat @ 1 Gallon per Sq. Applied as Specified	SF	
19.02	ELASTOMERIC COATING FOR EFIS WALL SYSTEM -	Base Coat of Coating @ 1 Gallon per Sq. / Top Coat @ 1 Gallon per Sq. Applied as Specified	SF	
19.03	ELASTOMERIC COATING FOR CMU WALL SYSTEM -	Base Coat of Coating @ 1 Gallon per Sq. / Top Coat @ 1 Gallon per Sq. Applied as Specified	SF	

19.04	ELASTOMERIC COATING FOR CONCRETE TILT WALL SYSTEM - Base Coat of Coating @ 1 Gallon per Sq. / Top Coat @ 1 Gallon per Sq. Applied as Specified			SF	
20.00	NEW FLASHINGS FOR ROOFING SYSTEMS & RESTORATION OPTIONS				
20.01	ROOF FLASHINGS FOR MODIFIED & COAL TAR PITCH ROOF SYSTEMS: Minimum 1 Ply of Base Flashing and Mineral Cap Sheet Installed in Hot ASTM D 312 Type III or IV Asphalt				
20.01.01		FLASHING OPTION:	Separate Base & Top Ply: BASE PLY: SBS Modified Fiberglass Reinforced Base Flashing Ply w/ Tensile Strength of 100 lb/in tensile (ASTM D 5147); TOP PLY: ASTM D 6163 SBS Fiberglass Reinforced Modified Bituminous Sheet Material Type II - 80 lb/in tensile	SF	
20.01.02		FLASHING OPTION:	BASE PLY: SBS Modified Fiberglass Reinforced Base Flashing Ply w/ Tensile Strength of 100 lb/in tensile (ASTM D 5147); TOP PLY: ASTM D 6163 SBS Fiberglass Reinforced Modified Bituminous Sheet Material Type III - 220 lb/in tensile	SF	
20.01.03		FLASHING OPTION:	BASE PLY: SBS Modified Fiberglass Reinforced Base Flashing Ply w/ Tensile Strength of 100 lb/in tensile (ASTM D 5147); TOP PLY: ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - 310 lb/in tensile	SF	
20.01.04		FLASHING OPTION:	BASE PLY: SBS Modified Fiberglass Reinforced Base Flashing Ply w/ Tensile Strength of 100 lb/in tensile (ASTM D 5147); TOP PLY: ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - 500 lb/in tensile	SF	
20.01.05		FLASHING OPTION:	BASE PLY: SBS Modified Fiberglass Reinforced Base Flashing Ply w/ Tensile Strength of 100 lb/in tensile (ASTM D 5147); TOP PLY: ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - 600 lb/in tensile	SF	
20.01.01		FLASHING OPTION:	Separate Base & Top Ply: BASE PLY: SBS Modified Fiberglass Reinforced Base Flashing Ply w/ Tensile Strength of 200 lb/in tensile (ASTM D 5147); TOP PLY: ASTM D 6163 SBS Fiberglass Reinforced Modified Bituminous Sheet Material Type II - 80 lb/in tensile	SF	
20.01.02		FLASHING OPTION:	BASE PLY: SBS Modified Fiberglass Reinforced Base Flashing Ply w/ Tensile Strength of 200 lb/in tensile (ASTM D 5147); TOP PLY: ASTM D 6163 SBS Fiberglass Reinforced Modified Bituminous Sheet Material Type III - 220 lb/in tensile	SF	
20.01.03		FLASHING OPTION:	BASE PLY: SBS Modified Fiberglass Reinforced Base Flashing Ply w/ Tensile Strength of 200 lb/in tensile (ASTM D 5147); TOP PLY: ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - 310 lb/in tensile	SF	
20.01.04		FLASHING OPTION:	BASE PLY: SBS Modified Fiberglass Reinforced Base Flashing Ply w/ Tensile Strength of 200 lb/in tensile (ASTM D 5147); TOP PLY: ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - 500 lb/in tensile	SF	

20.01.05	FLASHING OPTION:	BASE PLY: SBS Modified Fiberglass Reinforced Base Flashing Ply w/ Tensile Strength of 200 lbf/in tensile (ASTM D 5147); TOP PLY: ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - 600 lbf/in tensile	SF	
20.01.06	FLASHING OPTION:	BASE PLY: SBS Modified Polyester/Fiberglass Reinforced Base Flashing Ply - 300 lbf/in tensile (ASTM D 5147); TOP PLY: ASTM D 6163 SBS Fiberglass Reinforced Modified Bituminous Sheet Material Type II - 80 lbf/in tensile	SF	
20.01.07	FLASHING OPTION:	BASE PLY: SBS Modified Polyester/Fiberglass Reinforced Base Flashing Ply - 300 lbf/in tensile (ASTM D 5147); TOP PLY: ASTM D 6163 SBS Fiberglass Reinforced Modified Bituminous Sheet Material Type III - 220 lbf/in tensile	SF	
20.01.08	FLASHING OPTION:	BASE PLY: SBS Modified Polyester/Fiberglass Reinforced Base Flashing Ply - 300 lbf/in tensile (ASTM D 5147); TOP PLY: ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - 310 lbf/in tensile	SF	
20.01.09	FLASHING OPTION:	BASE PLY: SBS Modified Polyester/Fiberglass Reinforced Base Flashing Ply - 300 lbf/in tensile (ASTM D 5147); TOP PLY: ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - 500 lbf/in tensile	SF	
20.01.10	FLASHING OPTION:	BASE PLY: SBS Modified Polyester/Fiberglass Reinforced Base Flashing Ply - 300 lbf/in tensile (ASTM D 5147); TOP PLY: ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - 600 lbf/in tensile	SF	
20.01.11	PER SQUARE FOOT COSTS - INSTALLING IN COLD PROCESS FLASHING ADHESIVE Substitute Hot Asphalt Application for Cold Process Flashing Adhesive Application		SF	
20.01.12	PER SQUARE FOOT COSTS - INSTALLING IN COLD PROCESS FLASHING ADHESIVE Substitute Hot Asphalt Application for No VOCs, 100% Solids Cold Process Flashing Adhesive Application		SF	
20.02	Torch Applied Flashings - Minimum 1 Ply of Torch Base and Torch Mineral Cap Sheet; Torch Applied			
20.02.01	FLASHING OPTION:	BASE PLY: SBS Modified Polyester/Fiberglass Reinforced Base Torch Applied Flashing Ply - 80 lbf/inch tensile (ASTM D 5147); TOP PLY: ASTM D 6162 SBS Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - 300 lbf/in Tensile Torch Applied Membrane	SF	
20.03	Self-Adhering Flashings - Minimum 1 Ply of Self-Adhering Base and Self-Adhering Mineral Cap Sheet; Self-Adhering			
20.03.01	FLASHING OPTION:	BASE PLY: SBS Polyester OR Fiberglass/Polyester OR Fiberglass Reinforced Self-Adhering Flashing Ply - 50 lbf/ tensile (ASTM D 5147); TOP PLY: ASTM D 6161 (Polyester) OR 6162 (Fiberglass/Polyester) OR 6163 (Fiberglass) Self-Adhering Reinforced Modified Bituminous Membrane Type III - 130 lbf/in tensile	SF	
20.04	Single-Ply Flashings - Fully Adhered Single-Ply Roof Flashings Installed on Corresponding Single-Ply Roof Systems			

20.04.01	ROOF MEMBRANE OPTION:	ASTM D 4637 - Ethylene Propylene Diene Terpolymer (EPDM) - 45 Mil Thickness	SF	
20.04.02	ROOF MEMBRANE OPTION:	ASTM D 4637 - Ethylene Propylene Diene Terpolymer (EPDM) - 60 Mil Thickness	SF	
20.04.03	ROOF MEMBRANE OPTION:	ASTM D 4637 - Ethylene Propylene Diene Terpolymer (EPDM) - 90 Mil Thickness	SF	
20.04.04	ROOF MEMBRANE OPTION:	ASTM D 6878 - Thermoplastic Polyolefin (TPO) - 45 Mil Thickness	SF	
20.04.05	ROOF MEMBRANE OPTION:	ASTM D 6878 - Thermoplastic Polyolefin (TPO) - 60 Mil Thickness	SF	
20.04.06	ROOF MEMBRANE OPTION:	ASTM D 6878 - Thermoplastic Polyolefin (TPO) - 90 Mil Thickness	SF	
20.04.07	ROOF MEMBRANE OPTION:	ASTM D 4434 - Poly Vinyl Chloride (PVC) - 45 Mil Thickness	SF	
20.04.08	ROOF MEMBRANE OPTION:	ASTM D 4434 - Poly Vinyl Chloride (PVC) - 60 Mil Thickness	SF	
20.04.09	ROOF MEMBRANE OPTION:	ASTM D 4434 - Poly Vinyl Chloride (PVC) - 90 Mil Thickness	SF	
20.04.10	ROOF MEMBRANE OPTION:	ASTM D 6754 - Ketone Ethylene Ester (KEE) - 45 Mil Thickness	SF	
20.04.11	ROOF MEMBRANE OPTION:	ASTM D 6754 - Ketone Ethylene Ester (KEE) - 60 Mil Thickness	SF	
20.04.12	ROOF MEMBRANE OPTION:	ASTM D 6754 - Ketone Ethylene Ester (KEE) - 80 Mil Thickness	SF	
21.00	METAL WALL PANEL SYSTEMS			
	WALL SYSTEM			
21.01	Exposed Fastener Wall Panel System			
21.01.01	THICKNESS OPTION:	Bare Aluminum Panel Price - 0.032" Aluminum, 36" Wide Panels	SF	
21.01.02	THICKNESS OPTION:	Add for Bare Aluminum 0.040" Aluminum, 36" Wide Panels	SF	
21.01.03	PANEL WIDTH OPTION:	Add for 32" Panel Width - Aluminum	SF	
21.01.04	THICKNESS OPTION:	Bare Galvalume Coated Steel or Equal Panel Price - 24 Ga, 36" Wide Panels	SF	
21.01.05	THICKNESS OPTION:	Bare Galvalume Coated Steel or Equal Panel Price - 22 Ga, 36" Wide Panels	SF	
21.01.06	PANEL WIDTH OPTION:	Add for 32" Panel Width - Galvalume Coated Steel or Equal	SF	
21.01.07	COLOR OPTION:	Add for Standard Colors - Fluorocarbon Paint System Over Aluminum or Galvalume Coated Steel Or Equal	SF	
21.01.08	COLOR OPTION:	Add for Designer Colors - Fluorocarbon Paint System Over Aluminum or Galvalume Coated Steel Or Equal	SF	
21.01.09	COLOR OPTION:	Add for Premium or Custom Colors - Fluorocarbon Paint System Over Aluminum or Galvalume Coated Steel Or Equal	SF	
21.01.10	THICKNESS OPTION:	Stainless Steel Panel Price - 24 Ga, 36" Wide Panels	SF	
21.01.11	THICKNESS OPTION:	Stainless Steel Panel Price - 22 Ga, 36" Wide Panels	SF	
21.01.12	PANEL WIDTH OPTION:	Add for 32" Panel Width - Stainless Steel	SF	
21.01.13	THICKNESS OPTION:	Copper Panel Price - 16 Oz., 36" Wide Panels	SF	
21.01.14	THICKNESS OPTION:	Copper Panel Price - 20 Oz., 36" Wide Panels	SF	
21.01.15	PANEL WIDTH OPTION:	Add for 32" Panel Width - Copper	SF	
21.01.16	THICKNESS OPTION:	Zinc Panel Price - 0.032", 36" Wide Panels	SF	
21.01.17	THICKNESS OPTION:	Zinc Panel Price - 0.040", 36" Wide Panels	SF	
21.01.18	PANEL WIDTH OPTION:	Add for 32" Panel Width - Zinc	SF	

21.01.19	PANEL INSTALLATION & INSULATION OPTION:	Over Girts; 3/4" of Expanded Polystyrene (Minimum 1.5 lbs./cft) Installed Between Girts	SF	
21.01.20	PANEL INSTALLATION & INSULATION OPTION:	Over Girts; Mechanically Fastened Polyisocyanurate with an Average R-Value of 19 Installed Between Girts	SF	
21.01.21	PANEL INSTALLATION & INSULATION OPTION:	Over Girts; Mechanically Attach Batten Fiberglass Insulation with an Average R-Value of 19 Installed Between Girts	SF	
21.01.22	PANEL INSTALLATION & INSULATION OPTION:	RAIN SCREEN CONFIGURATION: Over Steel Stud Wall - Exterior Gypsum Sheeting 1/2" to 5/8" Thickness, Air Barrier (Priced Separately Below), Rock Wool or Extruded Polystyrene Insulation (Priced Separately Below) & Metal Wall Panel Drainage, Ventilation and Attachment System	SF	
21.01.23	PANEL INSTALLATION & INSULATION OPTION:	RAIN SCREEN CONFIGURATION: Over Existing Wall Construction - Air Barrier (Priced Separately Below), Rock Wool or Extruded Polystyrene Insulation (Priced Separately Below) & Metal Wall Panel Drainage, Ventilation and Attachment System	SF	
21.01.24	PANEL INSTALLATION & INSULATION OPTION:	Over Plywood; No Insulation	SF	
21.02	WALL SYSTEM Concealed Fastener Wall Panel System - 12" Wide Panels			
21.02.01	THICKNESS OPTION:	Bare Aluminum Panel Price - 0.032" Aluminum Thickness	SF	
21.02.02	THICKNESS OPTION:	Add for Bare Aluminum, 0.040" Aluminum	SF	
21.02.03	THICKNESS OPTION:	Bare Galvalume Coated Steel or Equal Panel Price - 24 Ga	SF	
21.02.04	THICKNESS OPTION:	Bare Galvalume Coated Steel or Equal Panel Price - 22 Ga	SF	
21.02.05	COLOR OPTION:	Add for Standard Colors - Fluorocarbon Paint System Over Aluminum or Galvalume Coated Steel Or Equal	SF	
21.02.06	COLOR OPTION:	Add for Designer Colors - Fluorocarbon Paint System Over Aluminum or Galvalume Coated Steel Or Equal	SF	
21.02.07	COLOR OPTION:	Add for Premium or Custom Colors - Fluorocarbon Paint System Over Aluminum or Galvalume Coated Steel Or Equal	SF	
21.02.08	THICKNESS OPTION:	Stainless Steel Panel Price - 24 Ga Thickness	SF	
21.02.09	THICKNESS OPTION:	Stainless Steel Panel Price - 22 Ga Thickness	SF	
21.02.10	THICKNESS OPTION:	Copper Panel Price - 16 Oz Thickness	SF	
21.02.11	THICKNESS OPTION:	Copper Panel Price - 20 Oz Thickness	SF	
21.02.12	THICKNESS OPTION:	Zinc Panel Price - 0.032" Thickness	SF	
21.02.13	THICKNESS OPTION:	Zinc Panel Price - 0.040" Thickness	SF	
21.02.14	PANEL INSTALLATION & INSULATION OPTION:	Over Girts; 3/4" of Expanded Polystyrene (Minimum 1.5 lbs./cft) Installed Between Girts	SF	
21.02.15	PANEL INSTALLATION & INSULATION OPTION:	Over Girts; Mechanically Fastened Polyisocyanurate with an Average R-Value of 19 Installed Between Girts	SF	
21.02.16	PANEL INSTALLATION & INSULATION OPTION:	Over Girts; Mechanically Attach Batten Fiberglass Insulation with an Average R-Value of 19 Installed Between Girts	SF	
21.02.17	PANEL INSTALLATION & INSULATION OPTION:	Over Plywood; No Insulation	SF	

21.02.18	PANEL INSTALLATION & INSULATION OPTION:	RAIN SCREEN CONFIGURATION: Over Steel Stud Wall - Exterior Gypsum Sheeting 1/2" to 5/8" Thickness, Air Barrier (Priced Separately Below), Rock Wool or Extruded Polystyrene Insulation (Priced Separately Below) & Metal Wall Panel Drainage, Ventilation and Attachment System	SF	
21.02.19	PANEL INSTALLATION & INSULATION OPTION:	RAIN SCREEN CONFIGURATION: Over Existing Wall Construction - Air Barrier (Priced Separately Below), Rock Wool or Extruded Polystyrene Insulation (Priced Separately Below) & Metal Wall Panel Drainage, Ventilation and Attachment System	SF	
21.02.20	PANEL TYPE OPTION:	Add for Factory Insulated Concealed Fastener Wall Panel	SF	
21.03	AIR BARRIER FOR WALL APPLICATIONS (BRICK, CMU, MASONRY WALLS OR STUD WALL WITH EXTERIOR GYPSUM SHEETING)			
21.03.01	Non-Permeable Option:	Fluid Applied System - ASTM 2178	SF	
21.03.02	Non-Permeable Option:	Fluid Applied Water Based System - ASTM 2178	SF	
21.03.03	Non-Permeable Option:	Membrane System - ASTM E 2178	SF	
21.03.04	Permeable Option:	Fluid Applied System - ASTM E 2178 & ASTM E 96	SF	
21.03.05	Permeable Option:	Fluid Applied Water Based System - ASTM 2178 & ASTM E 96	SF	
21.03.06	Permeable Option:	Membrane System - ASTM 2178 & ASTM E 96	SF	
21.04	INSULATION FOR WALL APPLICATIONS (INSTALLED OVER AIR BARRIERS)			
21.04.01	Insulation Option:	1" Rock Wool Insulation Installed	SF	
21.04.02	Insulation Option:	2" Rock Wool Insulation Installed	SF	
21.04.03	Insulation Option:	3" Rock Wool Insulation Installed	SF	
21.04.04	Insulation Option:	4" Rock Wool Insulation Installed	SF	
21.04.05	Insulation Option:	1" Extruded Polystyrene Insulation Installed	SF	
21.04.06	Insulation Option:	2" Extruded Polystyrene Insulation Installed	SF	
21.04.07	Insulation Option:	3" Extruded Polystyrene Insulation Installed	SF	
21.04.08	Insulation Option:	4" Extruded Polystyrene Insulation Installed	SF	
22.00	JOB SITE SPECIFIC MULTIPLIERS The multipliers are applied to all line items in total (unless the contrary is specifically identified in the description) for the project because the conditions they address effect overall labor production, construction complexity and/or equipment requirements. Multiple Job Site Specific Multipliers can be used on a single project, but they are not meant to compound on each other. For Reference: Attachment B Pricing in this IFB is for material, equipment, tools, labor and supervision necessary to install the line item. It is based upon a 200 - 300 square roofing project that is being performed on a box- or rectangular-shaped building. It is also assumed that the project will have only one roof level that is not more than 20 ft high from the ground. The roof is anticipated to have clear access point and minimal penetrations/obstructions. It is also based upon a 200 - 300 square masonry, wall panel or waterproofing project. The exterior sides of the building are assumed to be box- or rectangular- shaped with minimal doors, windows, penetrations or obstructions. It is anticipated that the sides of the building will have clear tie-off points and easy to access while work is being performed.			
22.01	MULTIPLIER - DIFFICULT ROOF OR BUILDING ACCESS Multiplier is applied when labor production is effected by roof or building access. Situations that can cause roof access to be more difficult include, but are not limited to: no access for lifts or cranes, access is dependent upon road closure, access point requires the closure of a building entrance, roof level is not accessible from the ground, roof area is interior to adjacent roofs or roof materials and materials and equipment must be loaded to one roof area and carried to another roof area, roof materials and equipment must be carried to the roof through an interior building access point, no or limited staging areas on the ground, etc.		%	
22.02	MULTIPLIER - SECURE ACCESS IS REQUIRED TO WORK ON ROOF OR WALLS Multiplier is applied when labor production is effected daily by the lost time in getting through security or getting access to the job site. Situations include, but are not limited to clearing each employee and all tools through metal detectors, passing through security gates with vehicles, tradespeople and equipment, stringent background checks or higher clearance levels, etc.		%	

22.03	MULTIPLIER - MULTIPLE MATERIAL STAGINGS Multiplier is applied when labor production is effected by the time it takes to stage a roof multiple times. Situations include, but are not limited to staging materials to perform work on multiple roof levels, planned shutdowns and restarts, portion of the job is over sensitive work areas requiring staging from more than one point, etc.	%	
22.04	MULTIPLIER - ACCELERATED SCHEDULE Multiplier is applied when increased labor burdens are required due to an accelerated work schedule. Situations include, but are not limited to requiring multiple concurrent trade crews beyond what is normally expected for project size, work to be performed on two (back-to-back) shifts, work requires larger than standard crew sizes, etc.	%	
22.05	MULTIPLIER - NIGHT, WEEKEND OR HOLIDAY WORKING HOURS Multiplier is applied when increased labor burdens are required due to working hours being limited to nights (equivalent of 3rd shift), weekends or holidays.	%	
22.06	MULTIPLIER - ROOF OR WALLS HAVE LARGE AMOUNT OF PENETRATIONS / ROOF TOP OBSTRUCTIONS Multiplier is applied when labor production is effected a large number of roof penetrations, a limited amount of open roof areas or low overhead clearance requiring more hand work. Situations include, but are not limited to rooftop penetrations like: soil stacks, sky lights, roof drains, exhaust vents, HVAC equipment, etc. or rooftop obstructions such as: pipes, duct work, electrical wires, hoses or raised equipment, etc.	%	
22.07	MULTIPLIER - CLEARANCE RESTRICTIONS REQUIRE WORKING FROM KNEE-LEVEL OR BELOW (APPLIES TO ONLY THE EFFECTED ROOF AREA) Multiplier is applied when labor production is effected by height restrictions. Situations that can cause low overhead clearance requiring more hand work include, but are not limited to rooftop equipment.	%	
22.08	MULTIPLIER - ROOF HEIGHT IS GREATER THAN 20 FT, BUT LESS THAN OR EQUAL TO 50 FT STORIES Multiplier is applied when labor production is effected by the roof height. This multiplier applies to roof heights that exceed an estimated 2 stories, but are less than or equal to an estimated 5 stories. Additional roof height can require increased safety requirements, larger lift equipment, tie-offs, etc.	%	
22.09	MULTIPLIER - ROOF HEIGHT IS GREATER THAN 50 FT, BUT LESS THAN OR EQUAL TO 100 FT Multiplier is applied when labor production is effected by the roof height. This multiplier applies to roof heights that exceed an estimated 5 stories, but are less than or equal to an estimated 10 stories. Additional roof height can require increased safety requirements, larger crane equipment, tie-offs, etc.	%	
22.10	MULTIPLIER - ROOF HEIGHT IS GREATER THAN 100 FT Multiplier is applied when labor production is effected by the roof height. This multiplier applies to roof heights that exceed an estimated 10 stories. Additional roof height can require increased safety requirements, larger crane equipment, tie-offs, etc.	%	
22.11	MULTIPLIER - WALL COATING, MASONRY REPAIRS OR WATERPROOFING REQUIRES A SWING STAGE Multiplier is applied when labor production is effected by the requirement to use a swing stage. This multiplier applies to wall coatings, masonry repairs or waterproofing work that requires the use of a swing stage.		
22.12	MULTIPLIER - ROOF IS CONSIDERED NON-STANDARD ARCHITECTURE Multiplier is applied when labor production is effected because the roof area is not a box- or rectangular-shaped. Situations considered to be non-standard architecture can include, but are not limited roof areas that contains sharp angles and/or curves, have multiple roof area dividers or expansion joints, long and narrow	%	
22.13	MULTIPLIER - ROOF HAS GREATER THAN 4/12 SLOPE Multiplier is applied when Roof Area has a Greater than 4/12 Slope, Steeper slope reduces overall labor production and requires additional safety precautions.	%	
22.14	MULTIPLIER - ROOF HAS GREATER THAN 8/12 SLOPE Multiplier is applied when Roof Area has a Greater than 8/12 Slope; Very steep slopes have a greater impact on overall labor production and require additional safety precautions.	%	
22.15	MULTIPLIER - ROOF SIZE IS LESS THAN 500 SF Multiplier is applied when Roof Size is less than 500 SF. Situation creates the fixed costs: equipment, mobilization, demobilization, disposal, & set-up labor to be allocated across a very small roof area resulting in fixed costs having a significant impact on the overall job costs	%	
22.16	MULTIPLIER - ROOF SIZE IS GREATER THAN 500 SF, BUT LESS THAN 1,000 SF Multiplier is applied when Roof Size is greater than 500 SF, but less than 1,000 SF. Situation creates the fixed costs: equipment, mobilization, demobilization, disposal, & set-up labor to be allocated across a very small roof area resulting in fixed costs having a significant impact on the overall job costs	%	
22.17	MULTIPLIER - ROOF SIZE IS GREATER THAN 1,000 SF, BUT LESS THAN 2,000 SF Multiplier is applied when Roof Size is greater than 1,000 SF, but less than 2,000 SF. Situation creates the fixed costs: equipment, mobilization, demobilization, disposal, & set-up labor to be allocated across a very small roof area resulting in fixed costs having a significant impact on the overall job costs	%	
22.18	MULTIPLIER - ROOF SIZE IS GREATER THAN 2,000 SF, BUT LESS THAN 3,000 SF Multiplier is applied when Roof Size is greater than 2,000 SF, but less than 3,000 SF. Situation creates the fixed costs: equipment, mobilization, demobilization, disposal, & set-up labor to be allocated across a very small roof area resulting in fixed costs having a significant impact on the overall job costs	%	
22.19	MULTIPLIER - ROOF SIZE IS GREATER THAN 3,000 SF, BUT LESS THAN 5,000 SF Multiplier is applied when Roof Size is greater than 3,000 SF, but less than 5,000 SF. Situation creates the fixed costs: equipment, mobilization, demobilization, disposal, & set-up labor to be allocated across a smaller roof area resulting in fixed costs being a larger portion of the overall job costs	%	
22.20	MULTIPLIER - ROOF SIZE IS GREATER THAN 5,000 SF, BUT LESS THAN 10,000 SF Multiplier is applied when Roof Size is greater than 5,000 SF, but less than 10,000 SF. Situation creates the fixed costs: equipment, mobilization, demobilization, disposal, & set-up labor to be allocated across a smaller roof area resulting in fixed costs being a larger portion of the overall job costs	%	

22.21	MULTIPLIER - ROOF SIZE IS GREATER THAN 10,000 SF, BUT LESS THAN 20,000 SF Multiplier is applied when Roof Size is greater than 10,000 SF, but less than 20,000 SF. Situation creates the fixed costs: equipment, mobilization, demobilization, disposal, & set-up labor to be allocated across more of an average roof area resulting in fixed costs being a slightly larger portion of the overall job costs	%	
22.22	MULTIPLIER - ROOF SIZE IS GREATER THAN 30,000 SF, BUT LESS THAN 50,000 SF Multiplier is applied when Roof Size is greater than 30,000 SF, but less than 50,000 SF. Situation creates the fixed costs: equipment, mobilization, demobilization, disposal, & set-up labor to be allocated across a larger than average roof area resulting in fixed costs being a lower portion of the overall job costs	%	
22.23	MULTIPLIER - ROOF SIZE IS GREATER THAN 50,000 SF, BUT LESS THAN 100,000 SF Multiplier is applied when Roof Size is greater than 50,000 SF, but less than 100,000 SF. Situation creates the fixed costs: equipment, mobilization, demobilization, disposal, & set-up labor to be allocated across a large roof area resulting in fixed costs being a small impact on the overall job costs	%	
22.24	MULTIPLIER - ROOF SIZE IS GREATER THAN 100,000 SF, BUT LESS THAN 200,000 SF Multiplier is applied when Roof Size is greater than 100,000 SF, but less than 200,000 SF. Situation creates the fixed costs: equipment, mobilization, demobilization, disposal, & set-up labor to be allocated across larger roof area resulting in fixed costs being a slight impact on the overall job costs	%	
22.25	MULTIPLIER - ROOF SIZE IS GREATER THAN 200,000 SF Multiplier is applied when Roof Size is greater than 200,000 SF. Situation creates the fixed costs: equipment, mobilization, demobilization, disposal, & set-up labor to be allocated across very large roof area resulting in fixed costs being a minimal impact on the overall job costs	%	

**IFB#2026 Roofing Products and Services, Waterproofing, and Related Products and Services
Attachment A - Bid Form**

Cleaning & Caulking			
23.01	Pressure Wash to Clean Horizontal Surfaces	SF	
23.02	Pressure Wash to Clean Vertical Surfaces	SF	
23.03	Pressure Wash with TSP or Simple Green to Clean Horizontal Surfaces	SF	
23.04	Pressure Wash with TSP or Simple Green to Clean Vertical Surfaces	SF	
23.05	Use a Brush to Wash Surface with TSP or Simple Green to Clean Horizontal Surfaces	SF	
23.06	Use a Brush to Wash Surface with TSP or Simple Green to Clean Vertical Surfaces	SF	
23.07	Prime Existing Asphalt-Based Roof Surface	SF	
23.08	Blow-Off Surface Area with Portable Blower to Remove Moisture	SF	
23.09	Spud and Scrape Aggregate from Roof Surface Asphalt BUR (Size Reference: 100' X 12")	SF	
23.10	Spud and Scrape of Aggregate from Roof Surface Coal Tar BUR (Size Reference: 100' X 12")	SF	
23.11	Remove & Dispose Loose Aggregate from Roof Surface (Wet Vac)	SF	
23.12	Power Broom Roof Surface	SF	
23.13	Remove & Dispose Ballast from Roof Surface	SF	
23.14	Remove & Dispose Ballast from Roof Surface at Approved Disposal Site	SF	
23.15	Remove Ballast from Roof Surface & Save for Reuse	SF	
23.16	Scrape / Sand Loose Paint from Exterior Building Surfaces and Clean-Up Debris	SF	
23.17	Sandblasting Paint from Exterior Building Surfaces and Re-Claim Sand	SF	
23.18	Apply Coating (Paint) to Horizontal Surface	SF	
23.19	Apply Coating (Paint) to Vertical Surface	SF	
23.20	Caulking: Remove Existing Caulking & Clean and Prime Joint	LF	
23.21	Install Backer Rod in Properly Prepared Opening, Polyethylene - 3/8" Diameter	LF	
23.22	Install Backer Rod in Properly Prepared Opening, Polyethylene - 1/2" Diameter	LF	
23.23	Install Backer Rod in Properly Prepared Opening, Polyethylene - 3/4" Diameter	LF	
23.24	Install Backer Rod in Properly Prepared Opening, Polyethylene - 1" Diameter	LF	
Masonry section		UNIT	\$ per Unit
23.25	Remove and Reset Bricks; 1-50 SF	SF	
23.26	Remove and Reset Bricks; Over 50 SF	SF	
23.27	Remove and Reset Blocks	SF	
23.28	Remove and Reset Coping Stones	Each	
23.29	Remove Bricks, Blocks, Coping Stones; 1-50 SF	SF	
23.30	Remove Bricks, Blocks, Coping Stones; Over 50 SF	SF	
Brick, block and brick exterior wall maintenance, repair and application of protective coatings.		UNIT	\$ per Unit
23.31	Selective Demolition of Concrete Block Masonry Units (CMU) with perimeter saw cutting- swing stage 4", 6" and 8" block (high-rise)	Each	
23.32	Selective Demolition of Brick Masonry Units with perimeter saw cutting	SF	
Selective Demolition of Mortar Joint with Perimeter Saw cutting		UNIT	\$ per Unit
23.33	Removal of existing mortar (1/2" wide by 3/4" depth)	SF	
23.34	Removal of existing mortar (3/4" wide by 3/4" depth)	SF	
23.35	Removal of existing mortar (1/2" wide by 1 1/2" depth)	SF	
23.36	Removal of existing mortar (3/4" wide by 1 1/2" depth)	SF	
New Pointing Work		UNIT	\$ per Unit
23.37	Furnish and install new mortar (1/2" wide by 3/4" depth)	SF	
23.38	Furnish and install new mortar (3/4" wide by 3/4" depth)	SF	
23.39	Furnish and install new mortar (1/2" wide by 1 1/2" depth)	SF	
23.40	Furnish and install new mortar (3/4" wide by 1 1/2" depth)	SF	
Removal of Roof Parapets		UNIT	\$ per Unit
23.41	Removal of parapet wall (24" high)	SF	
23.42	Removal of parapet wall (42" high)	SF	
23.43	Removal of parapet wall (24" high)	SF	
23.44	Removal of parapet wall (42" high)	SF	
Reconstruction of Brick Masonry Roof Parapets		UNIT	\$ per Unit
23.45	New brick masonry parapet w/stone coping and flashings (24" high)	SF	
23.46	New brick masonry parapet w/stone coping and flashings (42" high)	SF	
23.47	New brick masonry parapet w/stone coping and flashings (24" high)	SF	
23.48	New brick masonry parapet w/stone coping and flashings (42" high)	SF	
New Through wall Flashings		UNIT	\$ per Unit
23.49	Removal of 4 courses brick wall w/Temporary Shoring	SF	
23.50	Removal and replacement of steel lintel	SF	
23.51	Furnish and install new flashings (Bituthane)	SF	
23.52	Furnish and install new flashings (Lead coated copper)	SF	

23.53	Furnish and Install New Brick Masonry w/Weep Holes and Screens	SF	
23.54	Parging and waterproofing of back-up wall	SF	
Roof Coping Stones.		UNIT	\$ per Unit
23.55	Removal of existing roof coping stones (16 inches)	SF	
23.56	Removal and parging of existing substrate	SF	
23.57	Furnish and install new lead coated copper flashings	SF	
23.58	Drilling and epoxy grouting stainless steel pins	SF	
23.59	Reinstallation of existing stones with cleaning	SF	
23.60	Furnish and install new coping stones	SF	
23.61	Furnish and install new sealants between coping stones.	SF	
23.62	Cleaning and coating of existing stones.	SF	
CMU Backup Wall Repair and Waterproofing.		UNIT	\$ per Unit
23.63	Replacement of Deteriorated CMU Back-up	SF	
23.64	Parging of CMU back-up wall	SF	
23.65	Waterproofing of back-up wall	SF	
Crack Repair		UNIT	\$ per Unit
23.66	Drill and install new stainless steel pins.	Each	
23.67	Grouting of open cracks	SF	
23.68	Replacement of cracked bricks	SF	
New Concrete and Coating		UNIT	\$ per Unit
23.69	Placement of new high strength patching mortar (2" depth)	SF	
23.70	Placement of new high strength patching mortar (3.5" depth).	SF	
23.71	Cleaning and coating of concrete surface.	SF	
23.72	Sidewalk Bridging.	SF	
23.73	Temporary Roof Protection	SF	
Roof Drainage, Scuppers, Stacks, Curbs and Pitch Pockets		UNIT	\$ per Unit
23.74	Install & Connect new 4" roof drain & Flashing; Excluding Plumbing	EA	
23.75	Install & Connect new 6" roof drain & Flashing; Excluding Plumbing	EA	
23.76	Install & Connect new 8" roof drain & Flashing; Excluding Plumbing	EA	
23.77	Pitch pocket, 24 gauge, GI, 12" x 12", with storm collar, hemmed to outside, soldered corners and seams	EA	
23.78	Pitch pocket, 24 gauge, GI, 6" x 6", with storm collar hemmed to outside, soldered corners and seams	EA	
23.79	Pitch pocket, 24 gauge, GI, 8" x 8", with storm collar, hemmed to outside, soldered corners and seams	EA	
23.80	Plumbing stack, 16 oz. copper flashing	EA	
23.81	Plumbing stack, 24 gad Zinc flashing	EA	
23.82	Plumbing stack, 4# lead flashing	EA	
23.83	Pre-Cast Molded Pitch Pan (e.g. Chemcurb) - 12" Straight	EA	
23.84	Pre-Cast Molded Pitch Pan (e.g. Chemcurb) - 2" Corners	EA	
23.85	Pre-Cast Molded Pitch Pan (e.g. Chemcurb) - 3" Kit	EA	
23.86	Pre-Cast Molded Pitch Pan (e.g. Chemcurb) - 5" Kit	EA	
23.87	Pre-Cast Molded Pitch Pan (e.g. Chemcurb) - 5" Rounds	EA	
23.88	Pre-Cast Molded Pitch Pan (e.g. Chemcurb) - 6" Kit	EA	
23.89	Pre-Cast Molded Pitch Pan (e.g. Chemcurb) - 6" Straight	EA	
23.90	Pre-Cast Molded Pitch Pan (e.g. Chemcurb) - 7.5" Kit	EA	
23.91	Pre-Cast Molded Pitch Pan (e.g. Chemcurb) - 7.5" Kit with 2-Part Filler	EA	
23.92	Pre-Cast Molded Pitch Pan (e.g. Chemcurb) - 7.5" Rounds	EA	
23.93	Pre-Cast Molded Pitch Pan (e.g. Chemcurb) - 9" Kit	EA	
23.94	Installation of Roof Curbs 2" X 4"	LF	
23.95	Installation of Roof Curbs 2" X 6"	LF	
23.96	Installation of Roof Curbs 2" X 8"	LF	
23.97	Installation of Coping/Edge Nailers 2" X 4"	LF	
23.98	Installation of Coping/Edge Nailers 2" X 6"	LF	
23.99	Installation of Coping/Edge Nailers 2" X 8"	LF	
23.100	Installation of Coping/Edge Nailers 2" X 10"	LF	
23.101	Installation of Coping/Edge Nailers 2" X 12"	LF	
23.102	Installation of Coping/Edge Nailers 2" X 14"	LF	
23.103	Installation of Coping/Edge Nailers 2" X 16"	LF	
23.104	Provide a cast iron drain strainer	EA	
23.105	Reflash existing roof drain	EA	
23.106	Scupper, .050 Aluminum, match existing configuration	LF	

23.107	Scupper, 16 oz Copper, match existing configuration	LF	
23.108	Scupper, 20 gad Stainless Steel, match existing configuration	LF	
23.109	Sleeper Cap - 24 Gad Galvanized	LF	
Roof Accessories		UNIT	\$ per Unit
23.110	Walkway Pads		
23.111	30" wide roll goods, tape attached	EA	
23.112	30" wide roll, hot asphalt attached	EA	
23.113	30" wide roll, adhesive attached	EA	
23.114	Expansion joint, butyl or neoprene bellows, galvanized flange	LF	
23.115	Roof ladder, security ladder guard	EA	
23.116	Roof ladder, steel, bolted to concrete, 20 feet and up, with cage; with intermediate landings as required by Code	EA	
23.117	Roof ladder, steel, bolted to concrete, up to 20 feet, without cage	EA	
23.118	Roof ventilators	EA	
23.119	Termination bar, aluminum, 1/4" x 1"	LF	
Common Roof Repair Items		UNIT	\$ per Unit
23.120	3-Course Application; Mastic-Mesh-Mastic; 15" Wide Total; 12" Wide Mesh	LF	
23.121	3-Course Application; Mastic-Mesh-Mastic; 9" Wide Total; 6" Wide Mesh	LF	
23.122	3-Course Application; Urethane-Reinforcement-Urethane (< 500 SF)	SF	
23.123	3-Course Application; Urethane-Reinforcement-Urethane (> 500 SF)	SF	
23.124	Install Self-Adhering Cap Sheet Over Repair Area (< 500 SF)	SF	
23.125	Install Self-Adhering Cap Sheet Over Repair Area (> 500 SF)	SF	
23.126	Torch Cap Sheet Over Repair Area (< 500 SF)	SF	
23.127	Torch Cap Sheet Over Repair Area (> 500 SF)	SF	
23.128	Set Roofing Cap Sheet Membrane in Mastic Installed Over Repair Area (< 500 SF)	SF	
23.129	Set Roofing Cap Sheet Membrane in Mastic Installed Over Repair Area (> 500 SF)	SF	
Leak Response & Preventive Maintenance		UNIT	\$ per Unit
23.153	Leak Response Work Order Tracking & Dispatch	EA	
23.154	Leak Response Completion Report with Back-Up	EA	
23.155	Preventive Maintenance (Single Campus - All Roof Sections)	SF	
23.156	Preventive Maintenance (Multiple Campuses City-/County-wide - All Roof Sections)	SF	
23.157	Preventive Maintenance (Multiple Campuses State-wide - All Roof Sections)	SF	
23.155	Preventive Maintenance Performed Concurrent with Visual Inspection (Single Campus - All Roof Sections)	SF	
23.156	Preventive Maintenance Performed Concurrent with Visual Inspection (Multiple Campuses City-/County-wide - All Roof Sections)	SF	
23.157	Preventive Maintenance Performed Concurrent with Visual Inspection (Multiple Campuses State-wide - All Roof Sections)	SF	
23.158	Preventive Maintenance Completion Report with Back-Up	EA	
Equipment		UNIT	\$ per Unit
23.159	Forklift/Manlift Equipment Rental	DAY	
23.160	Crane Equipment Rental - up to 80'	DAY	
23.161	Crane Equipment Rental - up to 150'	DAY	
23.162	Manlift per day	DAY	
23.163	Skytrack	DAY	
23.164	Additional Equipment (rental) % off published price	%	
Other Services		UNIT	\$ per Unit
23.165	Demobilization - Pre-Planned or Additional Un-planned	EA	
23.166	Remobilization - Pre-Planned or Additional Un-planned	EA	
Additional repair options		UNIT	\$ per Unit
23.167	Option 1: Cost of Quote Plus Mark-Up (Used when repair and installation services line item pricing is not available and services performed are to be performed by a contractor. Requires a quote on corporate letterhead that cannot exceed \$25,000) Cost plus added to quote	%	
23.168	Option 2: R.S. Means or Gordian Group Catalog (Used when repair and installation services line item pricing is not available) Cost plus added to catalog pricing	%	
Catalog Pricing		UNIT	\$ per Unit
23.169	Please provide a price list with your complete material catalog(s) - A manufacturers catalog can be used. You may provide a net-price or a catalog with a discount.		
Green Roofing		UNIT	\$ per Unit

23.170	Please provide your green environmentally friendly roofing options, please provide as much information as possible to include line items necessary to complete a green roof		
Additional Roofing Configurations		UNIT	\$ per Unit
24.01.022	1 Ply Modified Base Sheet BASE PLY OPTION: ASTM D 6162 SBS. Fiberglass/Polyester Reinforced Modified Bituminous Sheet Material Type III - 550 lbf/in tensile	SF	
24.03.02	1 Ply High Performance Cap Sheet Polyurethane Resin Modified, Adhered and with Finished Surfacing ROOFING MEMBRANE: ASTM D 6163 Fiberglass Reinforced Asphalt-Based Membrane Modified with a Specially-Designed Polyurethane Resin Mineral-Surfaced Modified Bituminous Sheet Material Type III - 215 lbf/in tensile	SF	

Sheet Metal Accessories Covered Under these Pricing Tables:

- Drip Edge
- Gravel Stop
- Gutters, Straps, Hangers & Fasteners
- Coping
- Surface Mounted Counter Flashing
- Reglet Mounted Counter Flashing
- Skirt Flashing
- Expansion Joints
- Miscellaneous Metal Fabricated Details

Aluminum

Size / Gauge	.032	.040	.050	.063
6"				
8"				
10"				
12"				
14"				
16"				
18"				
20"				
22"				
24"				
26"				
28"				
30"				
32"				
34"				
36"				
38"				
40"				
42"				
44"				
46"				
48"				
Price Per Bend				

Stainless Steel & Copper

Size / Gauge / Thickness	SS 24 Ga	SS 26 Ga	Copper 16 oz	Copper 20 oz
6"				
8"				
10"				
12"				
14"				
16"				
18"				
20"				
22"				
24"				
26"				
28"				
30"				
32"				
34"				
36"				
38"				
40"				
42"				
44"				
46"				
48"				
Price Per Bend				

Kynar Coated Steel

Size / Gauge	16 Ga	20 Ga	22 Ga	24 Ga
6"				
8"				
10"				
12"				
14"				
16"				
18"				
20"				

22"				
24"				
26"				
28"				
30"				
32"				
34"				
36"				
38"				
40"				
42"				
44"				
46"				
48"				
Price Per Bend				

Galvanized Steel				
Size / Gauge	16 Ga	20 Ga	22 Ga	24 Ga
6"				
8"				
10"				
12"				
14"				
16"				
18"				
20"				
22"				
24"				
26"				
28"				
30"				
32"				
34"				
36"				
38"				
40"				
42"				

44"				
46"				
48"				
Price Per Bend				

Caulking Chart pricing per Linear Foot Installed

2 Component Epoxied Urethane Compound

Joint Size	1/8"	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	3/4"	7/8"	1"	1-1/8"	1-1/4"
1/8"													
3/16"													
1/4"													
5/16"													
3/8"													
7/16"													
1/2"													
5/8"													
3/4"													
7/8"													
1"													
1-1/8"													
1-1/4"													

Caulking Chart pricing per Linear Foot Installed

1 Component Polyurethane

Joint Size	1/8"	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	3/4"	7/8"	1"	1-1/8"	1-1/4"
1/8"													
3/16"													
1/4"													
5/16"													
3/8"													
7/16"													
1/2"													
5/8"													
3/4"													
7/8"													
1"													
1-1/8"													
1-1/4"													

Caulking Chart pricing per Linear Foot Installed

1 Component Silicone Rubber

Joint Size	1/8"	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	3/4"	7/8"	1"	1-1/8"	1-1/4"
1/8"													
3/16"													
1/4"													
5/16"													
3/8"													
7/16"													
1/2"													
5/8"													
3/4"													
7/8"													
1"													
1-1/8"													
1-1/4"													