

Report Criteria:

- Actual Amounts
- All Accounts
- Summarize Payroll Detail
- Print Period Totals
- Print Grand Totals
- Page and Total by FUND
- All Segments Tested for Total Breaks
- [Report].Account Number = "0111209","0121201","5143209","5144209"

Date	Journal	Reference Number	Payee or Description	Account Number	Debit Amount	Credit Amount	Balance
			05/31/2017 (05/17) Balance	01-11-209			24,284.40
05/31/2017	AP	120	Ottosen Britz Kelly		1,440.00		
05/31/2017	AP	121	Ottosen Britz Kelly		2,035.00		
05/31/2017	AP	123	Ottosen Britz Kelly		2,320.28		
05/15/2017	AP	252	Schelli Reporting Service, Ltd		419.25		
			06/30/2017 (06/17) Period Totals and Balance		6,214.53 *	.00 *	30,498.93
06/26/2017	AP	171	Velocita Technology		47.30		
06/12/2017	AP	489	Mahoney, Silverman, & Cross, LLC		787.50		
06/12/2017	AP	490	Mahoney, Silverman, & Cross, LLC		450.00		
05/02/2017	AP	554	Rock Fusco & Connelly LLC		1,720.00		
			07/31/2017 (07/17) Period Totals and Balance		3,004.80 *	.00 *	33,503.73
05/31/2017	AP	123	Ottosen Britz Kelly			189.00-	
06/30/2017	AP	124	Ottosen Britz Kelly		247.50		
07/31/2017	AP	126	Ottosen Britz Kelly		499.00		
07/31/2017	AP	127	Ottosen Britz Kelly		427.50		
07/13/2017	AP	222	Mahoney, Silverman & Cross, Ltd.		1,976.75		
07/13/2017	AP	223	Mahoney, Silverman & Cross, Ltd.		900.00		
07/13/2017	AP	225	Mahoney, Silverman & Cross, Ltd.		168.75		
07/13/2017	AP	227	Mahoney, Silverman & Cross, Ltd.		19,532.13		
07/13/2017	AP	228	Mahoney, Silverman & Cross, Ltd.		4,625.00		
			08/31/2017 (08/17) Period Totals and Balance		28,376.63 *	189.00- *	61,691.36
08/10/2017	AP	188	Mahoney, Silverman & Cross, Ltd.		3,487.50		
08/10/2017	AP	189	Mahoney, Silverman & Cross, Ltd.		787.50		
08/10/2017	AP	190	Mahoney, Silverman & Cross, Ltd.		1,012.50		
08/10/2017	AP	192	Mahoney, Silverman & Cross, Ltd.		14,180.11		
08/10/2017	AP	193	Mahoney, Silverman & Cross, Ltd.		675.00		
08/10/2017	AP	194	Mahoney, Silverman & Cross, Ltd.		56.25		
08/10/2017	AP	195	Mahoney, Silverman & Cross, Ltd.		450.00		
08/10/2017	AP	196	Mahoney, Silverman & Cross, Ltd.		56.25		
08/21/2017	AP	203	Tracy, Johnson & Wilson		750.50		
			09/30/2017 (09/17) Period Totals and Balance		21,455.61 *	.00 *	83,146.97
08/31/2017	AP	75	Ottosen Britz Kelly		112.50		
09/13/2017	AP	144	Mahoney, Silverman & Cross, Ltd.		1,012.50		
09/13/2017	AP	145	Mahoney, Silverman & Cross, Ltd.		900.00		
09/13/2017	AP	146	Mahoney, Silverman & Cross, Ltd.		281.25		
09/13/2017	AP	148	Mahoney, Silverman & Cross, Ltd.		5,801.75		
09/13/2017	AP	149	Mahoney, Silverman & Cross, Ltd.		3,045.50		
09/13/2017	AP	150	Mahoney, Silverman & Cross, Ltd.		886.65		
09/13/2017	AP	151	Mahoney, Silverman & Cross, Ltd.		956.25		
			10/31/2017 (10/17) Period Totals and Balance		12,996.40 *	.00 *	96,143.37
10/11/2017	AP	125	Mahoney, Silverman & Cross, Ltd.		2,812.50		
10/11/2017	AP	126	Mahoney, Silverman & Cross, Ltd.		506.25		
10/11/2017	AP	128	Mahoney, Silverman & Cross, Ltd.		168.75		
10/11/2017	AP	130	Mahoney, Silverman & Cross, Ltd.		3,558.15		
10/11/2017	AP	131	Mahoney, Silverman & Cross, Ltd.		788.59		
10/11/2017	AP	132	Mahoney, Silverman & Cross, Ltd.		337.50		
10/11/2017	AP	133	Mahoney, Silverman & Cross, Ltd.		787.50		

Date	Journal	Reference Number	Payee or Description	Account Number	Debit Amount	Credit Amount	Balance
10/11/2017	AP	134	Mahoney, Silverman & Cross, Ltd.		675.00		
10/11/2017	AP	135	Mahoney, Silverman & Cross, Ltd.		618.75		
			11/30/2017 (11/17) Period Totals and Balance		10,252.99 *	.00 *	106,396.36
11/14/2017	AP	207	Mahoney, Silverman & Cross, Ltd.		4,106.25		
11/14/2017	AP	208	Mahoney, Silverman & Cross, Ltd.		1,800.00		
11/14/2017	AP	210	Mahoney, Silverman & Cross, Ltd.		450.00		
11/14/2017	AP	211	Mahoney, Silverman & Cross, Ltd.		1,068.75		
11/14/2017	AP	212	Mahoney, Silverman & Cross, Ltd.		56.25		
11/14/2017	AP	214	Mahoney, Silverman & Cross, Ltd.		112.50		
11/14/2017	AP	215	Mahoney, Silverman & Cross, Ltd.		56.25		
11/14/2017	AP	217	Mahoney, Silverman & Cross, Ltd.		787.50		
			12/31/2017 (12/17) Period Totals and Balance		8,437.50 *	.00 *	114,833.86
07/31/2017	AP	163	Rock Fusco & Connelly LLC		520.00		
12/14/2017	AP	196	Mahoney, Silverman & Cross Ltd		2,531.25		
12/14/2017	AP	198	Mahoney, Silverman & Cross Ltd		6,468.75		
12/14/2017	AP	201	Mahoney, Silverman & Cross Ltd		337.50		
12/14/2017	AP	202	Mahoney, Silverman & Cross Ltd		437.50		
12/14/2017	AP	203	Mahoney, Silverman & Cross Ltd		450.00		
12/19/2017	AP	204	Tracy, Johnson & Wilson		76.00		
			01/31/2018 (01/18) Period Totals and Balance		10,821.00 *	.00 *	125,654.86
01/12/2018	AP	165	Mahoney, Silverman & Cross Ltd		3,916.75		
01/12/2018	AP	167	Mahoney, Silverman & Cross Ltd		168.75		
01/12/2018	AP	170	Mahoney, Silverman & Cross Ltd		112.50		
01/12/2018	AP	171	Mahoney, Silverman & Cross Ltd		112.50		
			02/28/2018 (02/18) Period Totals and Balance		4,310.50 *	.00 *	129,965.36
02/12/2018	AP	158	Mahoney, Silverman & Cross Ltd		2,931.25		
02/12/2018	AP	159	Mahoney, Silverman & Cross Ltd		787.50		
02/12/2018	AP	162	Mahoney, Silverman & Cross Ltd		5,343.75		
			03/31/2018 (03/18) Period Totals and Balance		9,062.50 *	.00 *	139,027.86
YTD Encumbrance		.00 YTD Actual	139,027.86 Total	139,027.86 YTD Budget	140,000.00 Unexpended	972.14	
Legal			05/31/2017 (05/17) Balance	01-21-201			2,997.00
05/31/2017	AP	122	Ottosen Britz Kelly		3,510.00		
			06/30/2017 (06/17) Period Totals and Balance		3,510.00 *	.00 *	6,507.00
06/12/2017	AP	488	Mahoney, Silverman, & Cross, LLC		225.00		
06/12/2017	AP	491	Mahoney, Silverman, & Cross, LLC		56.25		
06/12/2017	AP	493	Mahoney, Silverman, & Cross, LLC		562.50		
06/12/2017	AP	494	Mahoney, Silverman, & Cross, LLC		2,868.75		
06/12/2017	AP	495	Mahoney, Silverman, & Cross, LLC		225.00		
			07/31/2017 (07/17) Period Totals and Balance		3,937.50 *	.00 *	10,444.50
06/30/2017	AP	125	Ottosen Britz Kelly		33.23		
07/13/2017	AP	221	Mahoney, Silverman & Cross, Ltd.		2,306.25		
07/13/2017	AP	224	Mahoney, Silverman & Cross, Ltd.		112.50		
			08/31/2017 (08/17) Period Totals and Balance		2,451.98 *	.00 *	12,896.48
08/10/2017	AP	187	Mahoney, Silverman & Cross, Ltd.		1,912.50		
			09/30/2017 (09/17) Period Totals and Balance		1,912.50 *	.00 *	14,808.98
09/13/2017	AP	143	Mahoney, Silverman & Cross, Ltd.		2,420.57		
			10/31/2017 (10/17) Period Totals and Balance		2,420.57 *	.00 *	17,229.55
10/11/2017	AP	124	Mahoney, Silverman & Cross, Ltd.		2,925.00		
10/11/2017	AP	127	Mahoney, Silverman & Cross, Ltd.		1,293.75		
			11/30/2017 (11/17) Period Totals and Balance		4,218.75 *	.00 *	21,448.30
12/14/2017	AP	195	Mahoney, Silverman & Cross Ltd		3,093.75		
12/14/2017	AP	197	Mahoney, Silverman & Cross Ltd		1,518.75		
			01/31/2018 (01/18) Period Totals and Balance		4,612.50 *	.00 *	26,060.80
01/12/2018	AP	164	Mahoney, Silverman & Cross Ltd		3,993.75		
01/12/2018	AP	166	Mahoney, Silverman & Cross Ltd		168.75		
			02/28/2018 (02/18) Period Totals and Balance		4,162.50 *	.00 *	30,223.30

Date	Journal	Reference Number	Payee or Description	Account Number	Debit Amount	Credit Amount	Balance			
02/12/2018	AP	157	Mahoney, Silverman & Cross Ltd		4,275.00					
02/12/2018	AP	160	Mahoney, Silverman & Cross Ltd		900.00					
03/31/2018 (03/18) Period Totals and Balance					5,175.00 *	.00 *	35,398.30			
YTD Encumbrance		.00	YTD Actual	35,398.30	Total	35,398.30	YTD Budget	50,000.00	Unexpended	14,601.70
Number of Transactions: 84					Number of Accounts: 2					
Total General Fund:					147,333.76	189.00-	147,144.76			

Date	Journal	Reference Number	Payee or Description	Account Number	Debit Amount	Credit Amount	Balance
Legal			05/31/2017 (05/17) Balance	51-43-209			1,210.00
			03/31/2018 (03/18) Period Totals and Balance		.00 *	.00 *	1,210.00
YTD Encumbrance	.00	YTD Actual	1,210.00 Total	1,210.00 YTD Budget	1,000.00 Unexpended	(210.00)	
Legal			05/31/2017 (05/17) Balance	51-44-209			.00
			03/31/2018 (03/18) Period Totals and Balance		.00 *	.00 *	.00
YTD Encumbrance	.00	YTD Actual	.00 Total	.00 YTD Budget	1,000.00 Unexpended	1,000.00	

Number of Transactions: 0 Number of Accounts: 2

Debit	Credit	Proof
.00	.00	.00

Total Water & Sewer Fund:

Number of Transactions: 84 Number of Accounts: 4
Grand Totals:

Debit	Credit	Proof
147,333.76	189.00-	147,144.76

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Project: Village of Elwood- Village Hall
Contractor For: GMAX- Design Build Services

1. Wight & Company
2. Riemer Engineer Land Development
3. Abbey Paving Company, Inc.
4. Diamond Unlimited
5. GFS Fence/Guardrail
6. Allied Landscaping Corporation
7. Excel Waterproofing
8. Concrete By Wagner
9. Testing Services Corporation
10. Mike Cachey Construction
11. HLM Steel
12. Butler Street Iron
13. Guardian Constriction
14. CCL Corporation
15. Lowery McDonnell
16. Metalmaster/Roofmaster
17. La Force, Inc.
18. Builders Chicago Corporation
19. Metropolitan Corporation
20. Creative Industries
21. Auburn Corporation
22. DTI of Illinois
23. Just Rite Acoustics
24. Central Rug & Carpet
25. Oosterbaan & Sons Painting
26. Nikolas Painting
27. Commercial Specialties
28. Concorde Sign
29. Indoff Incorporated
30. Bradford Systems Corporation
31. Larson Equipment & Furniture
32. GE Consumer & Ind.
33. Indecor
34. Business Office Systems
35. Otis Elevator
36. Dodson Plumbing
37. Valley Fire Protection Systems
39. Oak Brook MS
40. NuLine Technologies
41. Amerilock
42. Low Voltage Solutions
43. Block Electric

INSTALLATION OPERATION AND SERVICE MANUAL

GAS FIRED COMMERCIAL COPPER TUBE BOILERS

DynaFlame SERIES

FOR HYDRONIC HEATING

Models; DFH500, 750, 1100, 1200, 1500, 1750, 2000, 2500, 3000,
3500, 4000, 4500, 5000

HOT WATER SUPPLY

Models; DFW500, 750, 1100, 1200, 1500, 1750, 2000, 2500, 3000,
3500, 4000, 4500, 5000



WARNING:

If the information in these instructions is not followed exactly, a fire or explosion may result causing property damage, personal injury or death

Do not store or use gasoline or other flammable vapours and liquids in the vicinity of this or any other appliance.

WHAT TO DO IF YOU SMELL GAS

- Do not try to light any appliance,
- Do not touch any electrical switch; do not use any phone in your building,
- Immediately call your gas supplier from a neighbour's phone. Follow the gas supplier's instructions,
- If you cannot reach your gas supplier, call the fire department.

Qualified installer, service agency or the gas supplier must perform installation and service.

To the Installer: After installation, these instructions must be given to the end user or left on or near the appliance.

To the End User: This booklet contains important information about this appliance. Retain for future reference.



CAMUS HYDRONICS LTD.

6226 Netherhart Road, Mississauga, Ontario, L5T 1B7

99-0050
Rev. 04

WARRANTY

GENERAL

Camus Hydronics Limited ("Camus"), extends the following LIMITED WARRANTY to the owner of this appliance, provided that the product has been installed and operated in accordance with the Installation Manual provided with the equipment. Camus will furnish a replacement for, or at Camus option repair, any part that within the period specified below, shall fail in normal use and service at its original installation location due to any defect in workmanship, material or design. The repaired or replacement part will be warranted for only the unexpired portion of the original warranty. This warranty does not cover failures or malfunctions resulting from: (1) Failure to properly install, operate or maintain the equipment in accordance with Camus' manual; (2) Abuse, alteration, accident, fire, flood, foundation problems and the like; (3) Sediment or lime build-up, freezing, or other conditions causing inadequate water circulation; (4) Pitting and erosion caused by high water velocity; (5) Failure of connected systems devices, such as pump or controller; (6) Use of non-factory authorized accessories or other components in conjunction with the system; (7) failing to eliminate air from, or replenish water in, the connected water system; (8) Chemical contamination of combustion air or use of chemical additives to water.

HEAT EXCHANGER

If within TEN years after initial installation of the appliance, a heat exchanger, shall prove upon examination by Camus to be defective in material or workmanship, Camus will exchange or repair such part or portion on the following pro rated limited warranty. (1) Years one through five - standard warranty (2) Years six through ten - replacement purchase price pro rated at the following schedule: Year six - 60%, Year seven - 65%, Year eight -70%, Year nine -75% Year ten -80% of the current list price of the current list price This term is reduced to FIVE years if the appliance is used for other than hydronic space heating. Heat Exchanger shall be warranted for (20) years from date of installation against "Thermal Shock" (excluded, however, if caused by appliance operation at large changes exceeding 150 °F between the water temperature at intake and appliance temperature, or operating at appliance temperatures exceeding 230 °F). The Condensing Heat Recovery Module is warranted for a period of FIVE years.

BURNER

If within FIVE years after initial installation of the appliance a burner shall prove upon examination by Camus to be defective in material or workmanship, Camus will exchange or repair such part or portion.

ANY OTHER PART

If any other part fails within one (1) year after installation, or eighteen (18) months from date of factory shipment based on Camus' records, whichever comes first. Camus will furnish a replacement or repair that part. Replacement parts will be shipped f.o.b. our factory.

HOW TO MAKE A CLAIM

Any claim under this warranty shall be made directly to Camus Hydronics Limited Canadian Head Office

SERVICE LABOR RESPONSIBILITY

Camus shall not be responsible for any labour expenses to service, repair or replace the components supplied. Such costs are the responsibility of the owner.

DISCLAIMERS

Camus shall not be responsible for any water damage. Provisions should be made that in the event of a water/appliance or fitting leak, the resulting flow of water will not cause damage to its surroundings.

Name of Owner	_____	Name of Dealer	_____
Address	_____	Address	_____
	_____		_____
Model No.	_____	Serial No.	_____
Date of Installation:	_____	Date of Initial Operation:	_____

6226 Netherhart Road, Mississauga, Ontario, L5T 1B7, CANADA

RED SHIELD WARRANTY



RED SHIELD ROOFING SYSTEM LIMITED WARRANTY

Warranty No: R0019933 FBPCO #ED1579 Square Footage: 55 s.f.
Building Owner: VILLAGE OF ELWOOD
Building Identification: ELWOOD MUNICIPAL CENTER
Building Address: 401 E MISSISSIPPI ST, ELWOOD, IL, 60421
Warranty Period Of: TWENTY (20) Years Beginning on: 09/14/07
Roofing Contractor: METALMASTER/ROOFMASTER (07433)

For the warranty period indicated above, Firestone Building Products Company, LLC ("Firestone"), an Indiana limited liability company, warrants to the Building Owner ("Owner") named above that Firestone will, subject to the Terms, Conditions and Limitations set forth below, repair any leak in the Firestone Roofing System ("System").

TERMS, CONDITIONS AND LIMITATIONS

- Products Covered.** The System shall mean only the Firestone brand roofing membranes, Firestone brand roofing insulations, Firestone brand roofing metal, and other Firestone brand roofing accessories when installed in accordance with Firestone technical specifications by a Firestone-licensed applicator.
- Notice.** In the event any leak should occur in the System, the Owner must give notice in writing or by telephone to Firestone within thirty (30) days of any occurrence of a leak. Written notice may be sent to Firestone at the street address or fax number shown on the reverse side of this Limited Warranty. Evidence of this notice shall be the receipt by Owner of a Firestone Leak Notification Acknowledgement. By so notifying Firestone, the Owner authorizes Firestone or its designee to investigate the cause of the leak.
- Investigation.** If upon investigation, Firestone determines that the leak is not excluded under the Terms, Conditions and Limitations set forth in this Red Shield Roofing System Limited Warranty (the "Limited Warranty"), the Owner's sole and exclusive remedy and Firestone's total liability shall be limited to the repair of the leak. Should the investigation reveal that the leak is excluded under the Terms, Conditions and Limitations, the Owner shall be responsible for payment of the investigation costs. Failure by Owner to pay for these costs shall render this Limited Warranty null and void. Firestone will advise the Owner of the type and/or extent of repairs required to be made at the Owner's expense that will permit this Limited Warranty to remain in effect for the unexpired portion of its term. Failure by the Owner to properly make these repairs in a reasonable manner using a Firestone-licensed applicator and within 60 days shall render this Limited Warranty null and void.
- Disputes.** Any dispute, controversy or claim between the Owner and Firestone concerning this Limited Warranty shall be settled by mediation. In the event that the Owner and Firestone do not resolve the dispute, controversy or claim in mediation, the Owner and Firestone agree that neither party will commence or prosecute any suit, proceeding, or claim other than in the courts of Hamilton County in the state of Indiana or the United States District Court, Southern District of Indiana, Indianapolis Division. Each party irrevocably consents to the jurisdiction and venue of the above-identified courts.
- Payment Required.** Firestone shall have no obligation under this Limited Warranty unless and until Firestone and the licensed applicator have been paid in full for all materials, supplies, services, approved written change orders, warranty costs and other costs which are included in, or incidental to, the System. In the event that repairs not covered by this Limited Warranty are necessary in the future, Firestone reserves the right to suspend this Limited Warranty until such repairs have been completed and the licensed applicator and/or Firestone has been paid in full for such repairs.
Exclusions. Firestone shall have no obligation under this Limited Warranty, or any other liability, now or in the future if a leak or damage is caused by: (a) Natural forces, disasters, or acts of God including, but not limited to winds in excess of 55 MPH, fires, hurricanes, tornadoes, hail, wind-blown debris, lightning, earthquakes, volcanic activity, atomic radiation, insects or animals; (b) Any act(s), conduct or omission(s) by any person, or act(s) of war, terrorism or vandalism, which damage the System or which impair the System's ability to resist leaks; (c) Failure by the Owner to use reasonable care in maintaining the System, said maintenance to include, but not limited to those items listed on the reverse side of this Limited Warranty titled "Building Envelope Care and Maintenance Guide"; (d) Deterioration or failure of building components, including, but not limited to, the roof substrate, walls, mortar, HVAC units, etc.; (e) Condensation or infiltration in, through, or around the walls, copings, rooftop, hardware or equipment, building structure or underlying or surrounding materials; (f) Any acid, oil, harmful chemical, chemical or physical reaction and the like which comes in contact with the System, which damages the System, or which impairs the System's ability to resist leaks; (g) Alterations or repairs to the System that are not completed in accordance with our published specifications, not completed by licensed contractor, and/or where current notification procedures were not followed; (h) The architecture, engineering, construction, or design of the roof, roofing system, or building. Firestone does not undertake any analysis of the architecture or engineering required to evaluate what type of roof system is appropriate; (i) A change in building use or purpose; (j) Deterioration to metal roofing materials and accessories caused by marine salt water atmosphere or by regular spray of either salt or fresh water; or (k) Failure to give proper notice as set forth in paragraph 2(a) above.
- Transfer.** This Limited Warranty shall be transferable subject to Owner's payment of the current transfer fee set by Firestone.
- Term.** The term of this Limited Warranty shall be for the period set forth above and such term shall not be extended under any circumstances.
- Roof Access.** During the term of this Limited Warranty, Firestone's designated representative or employees shall have free access to the roof during regular business hours. In the event that roof access is limited due to security or other restrictions, Owner shall reimburse Firestone for all reasonable cost incurred during inspection and/or repair of the System that are due to delays associated with said restrictions. Owner shall be responsible for the damage caused by, removal and replacement of any overburdens, superstrata or overlays, either permanent or temporary, excluding accepted stone ballast or pavers, as necessary to expose the system for inspection and/or repair.
- Waiver.** Firestone's failure to enforce any of the terms or conditions stated herein shall not be construed as a waiver of such provision or of any other terms and conditions of this Limited Warranty.
- Governing Law.** This Limited Warranty shall be governed by and construed in accordance with the laws of the State of Indiana without regard to that State's rules on conflict of laws.
- Severability.** If any portion of this Limited Warranty is held by a court of competent jurisdiction to be invalid, void or unenforceable, the remaining provisions shall nevertheless continue in full force.

FIRESTONE DOES NOT WARRANT PRODUCTS INCORPORATED OR UTILIZED IN THIS INSTALLATION THAT WERE NOT FURNISHED BY FIRESTONE. FIRESTONE SPECIFICALLY DISCLAIMS LIABILITY UNDER ANY THEORY OF LAW ARISING OUT OF THE INSTALLATION OF, PERFORMANCE OF, OR DAMAGES SUSTAINED BY OR CAUSED BY, PRODUCTS NOT FURNISHED BY FIRESTONE.

THIS LIMITED WARRANTY SUPERSEDES AND IS IN LIEU OF ALL OTHER WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND FIRESTONE HEREBY DISCLAIMS ALL SUCH WARRANTIES. THIS LIMITED WARRANTY SHALL BE THE OWNER'S SOLE AND EXCLUSIVE REMEDY AGAINST FIRESTONE, AND FIRESTONE SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL, SPECIAL, INCIDENTAL OR OTHER DAMAGES INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFITS OR DAMAGES TO THE BUILDING OR ITS CONTENTS OR THE ROOF DECK. THIS LIMITED WARRANTY CANNOT BE AMENDED, ALTERED OR MODIFIED IN ANY WAY EXCEPT IN WRITING SIGNED BY AN AUTHORIZED OFFICER OF FIRESTONE. NO OTHER PERSON HAS ANY AUTHORITY TO BIND FIRESTONE WITH ANY REPRESENTATION OR WARRANTY WHETHER ORAL OR WRITTEN.

FIRESTONE BUILDING PRODUCTS COMPANY, LLC
By: John R. Geary

Authorized
Signature: 
Title: VP of Quality, Technology & Product Development

040907

Firestone

BUILDING ENVELOPE CARE AND MAINTENANCE GUIDE (For Red Shield Warranted Roofing Systems)

Congratulations on your purchase of a Firestone Roofing System! Your roof is a valuable asset that should be properly maintained. **All roofs and roofing systems require periodic inspection and maintenance to perform as designed and to keep your Limited Warranty in full force and effect.**

1. The roof should be inspected at least twice yearly and after any severe storms. A record of all inspection and maintenance activities should be maintained, including a listing of the date and time of each activity as well as the identification of the parties performing the activity.
2. Proper maintenance and good roofing practice require that ponded water (defined as water standing on the roof forty-eight hours after it stops raining) not be allowed on the roof. Roofs should have slope to drain, and all drain areas must remain clean. Bag and remove all debris from the roof since such debris can be quickly swept into drains by rain. This will allow for proper water run-off and avoid overloading the roof.
3. The Firestone Roofing System should not be exposed to acids, solvents, greases, oil, fats, chemicals and the like. If the Firestone Roofing System is in contact with any such materials, these contaminants should be removed immediately and any damaged areas should be inspected by a Firestone Licensed Applicator and repaired if necessary.
4. The Firestone Roofing System is designed to be a waterproofing membrane and not a traffic surface. Roof traffic other than periodic traffic to maintain rooftop equipment and conduct periodic inspections should be prohibited. In any areas where periodic roof traffic may be required to service rooftop equipment or to facilitate inspection of the roof, protective walkways should be installed by a Firestone Licensed Applicator as needed to protect the roof surface from damage.
5. Some Firestone roofing membranes require maintenance of the surface of the membrane:
 - a. **Smooth-surfaced Firestone APP membranes** should be coated with an approved liquid coating, such as Firestone Aluminum Roof Coating or Firestone AcryliTop applied in accordance with Firestone specifications, in order to maximize the service life of the membrane. If this coating is not applied as part of the initial roofing installation, it should be applied within the first five years after the roof is installed to help protect the membrane from surface crazing and cracking. In addition, this coating should be maintained as needed to re-coat any areas that have blistered, peeled or worn through.
 - b. **Granule-surfaced Firestone APP and SBS membranes** do not normally require surface maintenance other than periodic inspection for contaminants, cuts or punctures. If areas of granular loss are discovered during inspection, these areas should be coated with Firestone AcryliTop or other Firestone-approved coating applied in accordance with Firestone specifications.
 - c. **Gravel-surfaced Firestone BUR membranes** do not normally require surface maintenance other than periodic inspection for contaminants or damage. If areas of gravel loss are discovered during inspection, gravel must be reinstalled into hot asphalt to protect the surface of the membrane. Coatings on smooth surface BUR membranes must be maintained as needed to re-coat any areas that have blistered, peeled or worn through.
 - d. **Firestone EPDM and TPO roofing membranes** do not normally require surface maintenance other than periodic inspection for contaminants, cuts or punctures. Occasionally, approved liquid roof coatings, such as Firestone AcryliTop, are applied to the surface of EPDM membranes in order to provide a lighter surface color. Such coatings do not need to be maintained to assure the performance of the underlying EPDM roof membrane, but some maintenance and re-coating may be necessary in order to maintain a uniform surface appearance.
 - e. **Firestone Una-Clad metal roofing panels and trim** do not normally require surface maintenance other than periodic inspection for contaminants or damage. In addition, periodic cleaning of the surface may be required to remove dirt and maintain the aesthetic appearance of the coated metal. Simple washing with plain water using hoses or pressure spray equipment is usually adequate. If cleaning with agents other than water is contemplated, several precautions should be observed: (1) do not use wire brushes, abrasives, or similar cleaning tools which will mechanically abrade the coating surface, and (2) cleaning agents should be tested in an inconspicuous area before use on a large scale.
6. All metal work, including counter-flashings, drains, skylights, equipment curbs and supports, and other Firestone brand rooftop accessories must be properly maintained at all times. Particular attention should be paid to sealants at joints in metal work and flashings. If cracking or shrinkage is observed, the joint sealant should be removed and replaced with new sealant.
7. Any alterations to the roof, including but not limited to roof curbs, pipe penetrations, roof-mounted accessories, and tie-ins to building additions must be performed by a licensed Firestone Licensed Applicator and reported to Firestone. Additional information and reporting forms for roof alterations are available at www.firestonebpco.com.
9. Should you experience a leak:
 - (a) Check for the obvious: clogged roof drains, loose counterflashings, broken skylights, open grills or vents, broken water pipes.
 - (b) Note conditions resulting in leakage. Heavy or light rain, wind direction, temperature and time of day that the leak occurs are all-important clues to tracing roof leaks. Note whether the leak stops shortly after each rain or continues to drip until the roof is dry. If you are prepared with the facts, the diagnosis and repair of the leak can proceed more rapidly.
 - (c) Contact Firestone Warranty Claims at 1-800-830-5612 as soon as possible...but please don't call until you are reasonably sure that the Firestone Roofing System is the cause of the leak.

Firestone feels that the preceding requirements will assist you, the building owner, in maintaining a watertight roof for many years. Your roof is an investment, and maintenance is essential to maximize your return on this important investment.

Firestone
BUILDING PRODUCTS

NOBODY COVERS YOU BETTER.®

310 East 96th Street – Indianapolis, IN 46240
1-800-428-4442 * 1-317-575-7000 * FAX 1-317-575-7100
www.firestonebp.com

STOP

IMPORTANT ROOF INFORMATION

This is a Firestone roofing system under warranty by Firestone Building Products Company.

Damage to the roof membrane caused by negligence may void this building owner's warranty.

We recommend the following precautions.

1. Minimize foot traffic over the surface of the roof. Protective walk-ways should be installed if there will be regular foot traffic. (Foot traffic more than once each 30 days.)
2. Do not move heavy equipment on the membrane surface without adequate protection to the surface.
3. Contact Firestone if the membrane will be exposed to solvents, grease, oil or other chemical contaminants.
4. Do not puncture the membrane to install vents or equipment with-out first contacting Firestone. (1-800-830-5612)

For more information, refer to the complete Roofing Care and Maintenance Guidelines on the reverse side of the Firestone Warranty or call the Firestone Approved contractor that installed this roof.

ROOFING
CONTRACTOR:

Firestone

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01/06 — Item No. 188 (Replaces 04/03) -01