

**Region:** 5

**Location:** MD002

**CSS #:** 19330

**Maximo Work Order No.:** 9000

**Asset #:** NA

**Date Issued:** 06/18/19

**Original Description:** Repair to small roof leak in the fire panel room of building 0314.

**Repairs Needed:**

Replace entire roof..(See additional detail in quote provided)

Note: Inspect decking and replace any damaged or rotten wood at 60\$ per sheet of plywood. If plywood requires replacement this would result in additional costs to the \$74, 521.20 total.

**RS Means Line Buildup and Labor Summary (Data Version 2017, Q4):**

Quantity	Line Item Number	Description	Labor Hours	Labor Rate/Hr	Materials	Equipment	Total
1	NA	Various Parts (See attached quote)	--	--	\$30,087.00	--	\$30,087.00
--	NA	Tax	--	--	\$1,601.00	--	\$1,601.00
		Sub Labor	800	\$50.90	--	--	\$40,732.00
--	NA	TWI Coordination and Oversight	8	\$80.00	--	--	\$640.00

**Estimate Summary:**

Labor Hours	Labor Cost	Material Cost		Total Cost	CE Factor	Total Estimate
808	\$41,372.00	\$31,688.00		\$73,060.00	102%	<b>\$74,521.20</b>



## Booth Brothers Construction LLC

6901 Eastern Ave • Baltimore MD • 21214 • (443) 503-5322

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June 11, 2019

Tidewater  
700 E Ordnance Rd.  
Curtis Bay MD 21226  
CSS 19330 WO 9000 MD002  
Tina Lee

We are pleased to quote you the following, subject to the terms and conditions:

### Scope of Work:

Booth Brothers Construction LLC will:

1. Supply all labor, materials and insurance
2. Tarp and protect property grounds
3. Remove all roofing materials down to decking
4. Inspect decking and replace any damaged or rotten wood at 60\$ per sheet of plywood
5. Install ice and water shield on all eaves
6. Install synthetic underlayment over entire roof
7. Install perimeter drip edge
8. Install lifetime guarantee Owens Corning Duration shingles; color TBD
9. Install Owens Corning two-tab capping system & new pipe collars
10. Clean up and haul away all job-related debris

1. 16 squares of ice and water shield \$1,040.00
2. Synthetic underlayment for 160 squares \$1,552.00
3. Owens Corning Duration shingles \$22,715.00
4. Owens Corning Ridge Caps \$395.00
5. Drip Edge \$370.00
6. Pipe Collar \$15.00
7. Miscellaneous supplies (nails, tarp, caulk, etc.) \$600.00
8. Trash Removal Fees \$ 3,400.00

Labor for 800 man-hours \$ 40,732.00

Sub Total: \$70,819.00

Sales Tax: \$ 1,601.00

Total: \$ 72,420.00

Josh Booth

Booth Brothers Construction LLC



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June 11, 2019

### ROOFING INSPECTION REPORT

Name:	Tina Lee
Property Location:	700 E Ordnance Rd
	Curtis Bay MD 21226
Phone:	614-623-9569
E-Mail:	tina.lee@tideh2o.net

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A visual hand on external inspection finds the following reasons why we cannot repair the roof and why we highly recommend the entire replacement of the roof.

1. There is a large amount of granule separation of shingles due to age of roof.
2. Shingle layout is wrong; there are numerous areas where there is less than 3 1/2 inches between tabs which are areas where water penetrated as tested through nails, commonly called soaked nails.
3. Due to water penetration the seals on shingles have failed throughout roof.
4. There is a quarter inch between shingles throughout roof, so shingles are not abutted properly, allowing water to penetrate and causing seal to fail.
5. After inspection of roof, due to the obvious lack of proper roofing procedures, we cannot repair roof and highly recommend a complete tear off and new roof.

Sincerely,

Josh Booth

Booth Brothers Construction LLC



**Granules have settled in gutter  
due to granule separation**

**There should be at least 5 1/2 inches between tabs**



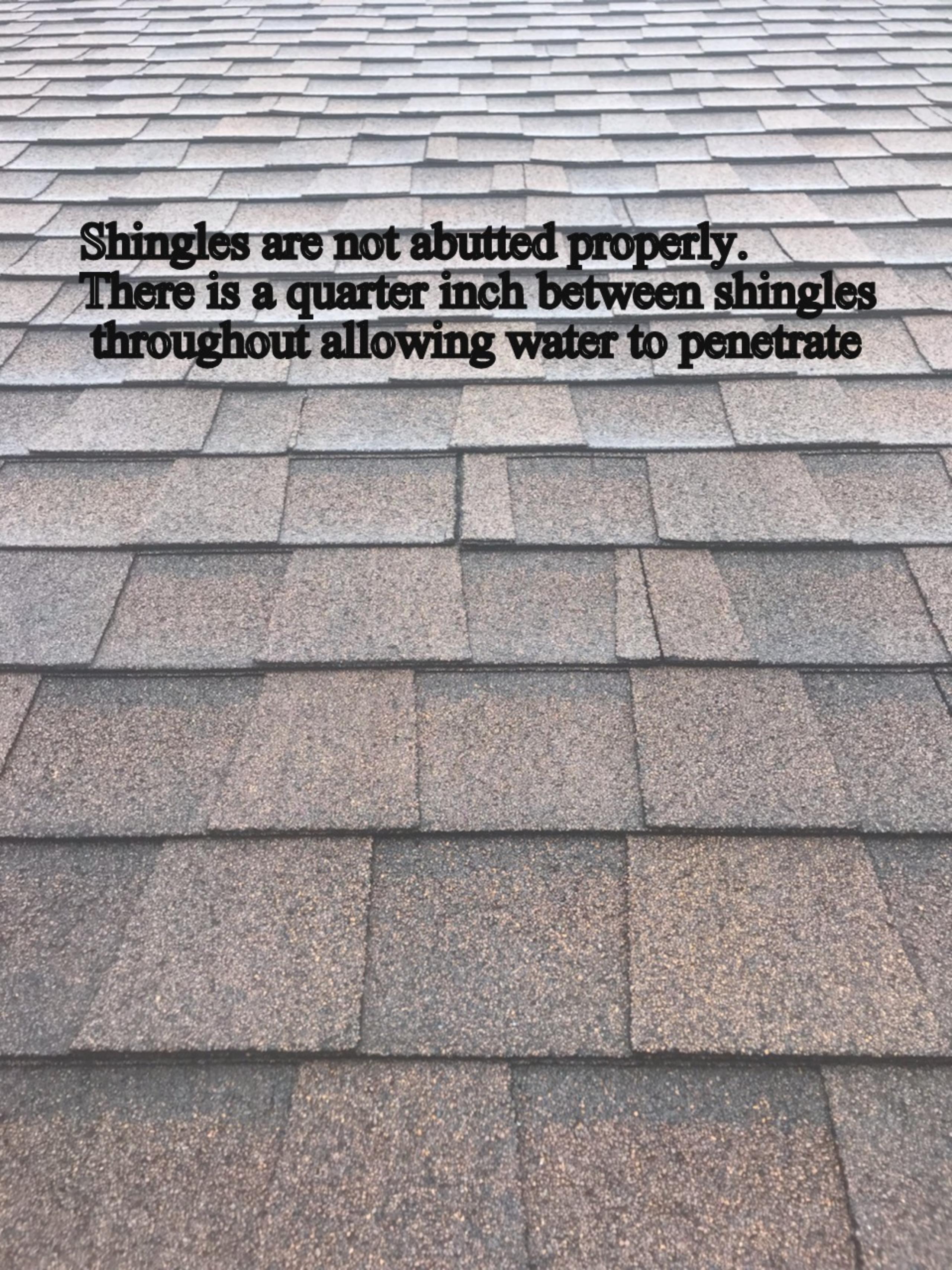
**There should be at least 5 1/2 inches  
between tabs**



**There should be at least 5 1/2 inches between tabs**



**Seal has failed due to water penetration**



**Shingles are not abutted properly.  
There is a quarter inch between shingles  
throughout allowing water to penetrate**