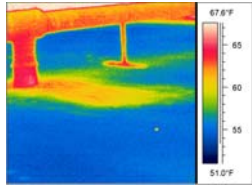


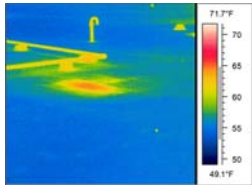
Hood Elementary School Moisture Survey August 2018



THERMOGRAM 1



PHOTO 1



THERMOGRAM 2

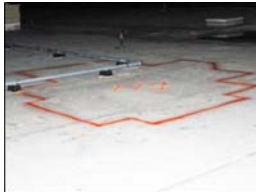
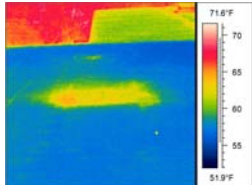


PHOTO 2



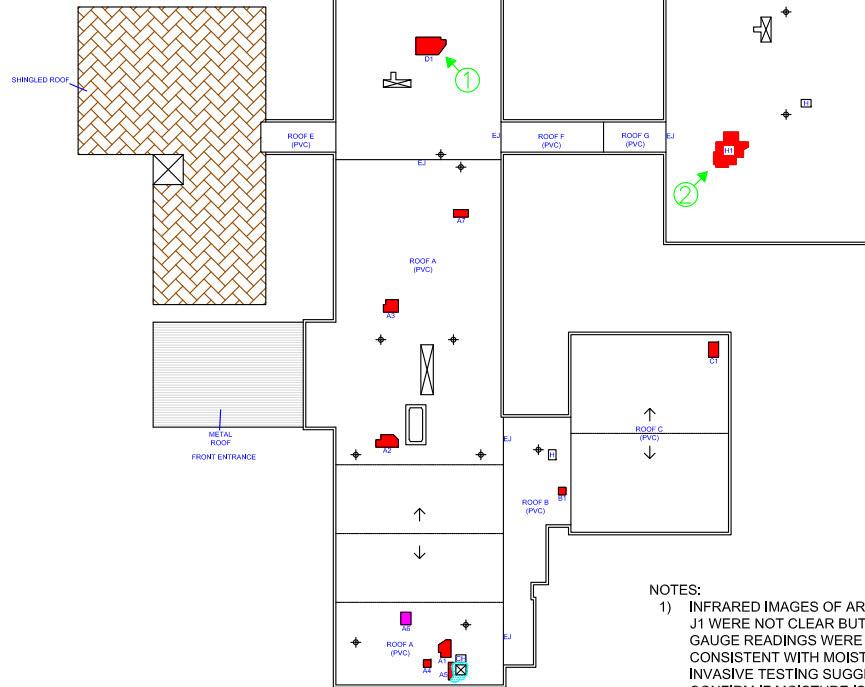
THERMOGRAM 3



PHOTO 3

WET AREA CHART		
AREA #	OVERALL DIMENSIONS	ACTUAL SQ.FT.
A1	5' X 7'	30
A2	9' X 5'	39
A3	6' X 5'	28
A4	3' X 3'	9
*A5	6' X 8'	*48
A6	4' X 5'	20
A7	6' X 3'	18
B1	3' X 3'	9
C1	4' X 6'	24
D1	12' X 7'	76
H1	14' X 14'	129
H2	7' X 8'	49
H3	2' X 3'	6
J1	5' X 3'	15

*SEE NOTE 2



MOISTURE SURVEY RESULTS				
ROOF AREA	APPROX. SIZE(SF)	NUMBER OF WET AREAS	AREA WET(SF)*	PERCENTAGE WET
ROOF A	14,471	7	192	1.3%
ROOF B	2,029	1	9	<1%
ROOF C	4,977	1	24	<1%
ROOF D	11,091	1	76	<1%
ROOF E	360	0	0	0%
ROOF F	563	0	0	0%
ROOF G	346	0	0	0%
ROOF H	18,922	3	184	1%
ROOF I	220	0	0	0%
ROOF J	4,887	1	15	<1%
TOTAL SCANNED	57,866	14	464	<1%

NOTE:
FIGURES SHOWN ON THIS CHART REPRESENT THE ACTUAL DIMENSIONS OF WET AREAS AS MARKED ON THE ROOF AND SHOWN ON THIS DRAWING. FINAL REPLACEMENT FIGURES (SQUARED OFF DIMENSIONS) WILL BE HIGHER.

- NOTES:
- 1) INFRARED IMAGES OF AREAS A6 & J1 WERE NOT CLEAR BUT NUCLEAR GAUGE READINGS WERE CONSISTENT WITH MOISTURE. INVASIVE TESTING SUGGESTED TO CONFIRM IF MOISTURE IS PRESENT.
 - 2) LOCATION A5 EXTENDS INTO THE PONDED AREA; SIZE IS ESTIMATED.



REVISIONS	No.	DATE	BY



INFRARED ROOF MOISTURE SURVEY

LEGEND:

- MOISTURE INDICATED
- POTENTIAL MOISTURE (Confirmation Req'd)
- PONDED AREA
- MECHANICAL EQUIPMENT
- SHYLIGHT
- PHOTO ORIENTATION
- ROOF DRAIN



CUSTOMER:

J.T. HOOD
ELEMENTARY SCHOOL

BUILDING:

LOCATION:
298 HAVERHILL ST.
NORTH READING, MA

DRAWN BY	APPROVED	DATE
		8/9/2018

Hood Elementary School Moisture Survey-October 2023



NOTES:

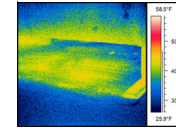
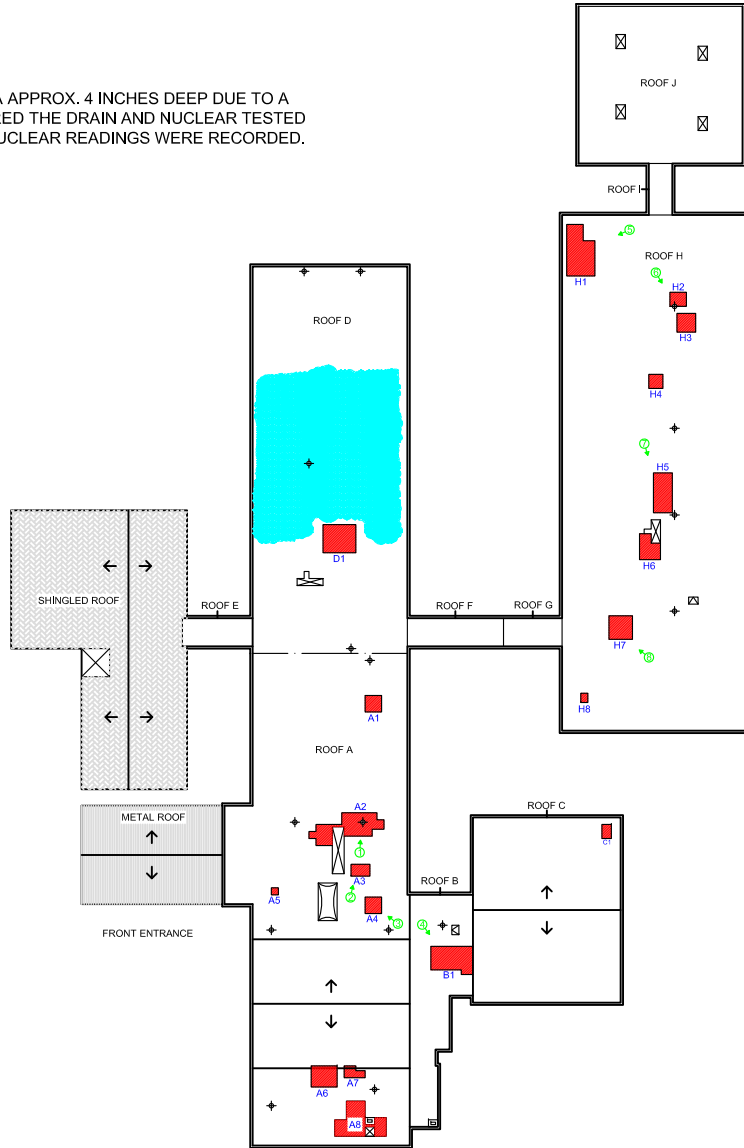
- ROOF D CONTAINED A LARGE PONDED AREA APPROX. 4 INCHES DEEP DUE TO A CLOGGED DRAIN. OUR TECHNICIANS CLEARED THE DRAIN AND NUCLEAR TESTED THE AREA IN A 5' x 5' GRID. NO ELEVATED NUCLEAR READINGS WERE RECORDED.

WET AREA CHART			
AREA #	OVERALL DIMENSIONS	ACTUAL SQ.FT.	NUCLEAR GAUGE READING(S)
A1	7' x 7'	49	13
A2	32' x 14'	228	13-29
*A3	8' x 5'	40	24
*A4	7' x 7'	49	14
*A5	3' x 3'	9	15
A6	11' x 9'	99	17
A7	9' x 5'	37	14
A8	22' x 15'	199	10-21
*B1	18' x 12'	190	31
C1	4' x 6'	24	18
D1	14' x 12'	168	26
H1	12' x 22'	229	25
H2	7' x 6'	42	19
H3	8' x 8'	64	19
*H4	6' x 6'	36	17
*H5	8' x 17'	136	23
*H6	9' x 11'	83	15-28
H7	10' x 10'	100	20
*H8	3' x 4'	12	16

*INDICATES THAT A MEMBRANE PUNCTURE WAS NOTED WITHIN THE WET AREA.

MOISTURE SURVEY RESULTS					
ROOF SECTION & TYPE	APPROX. SIZE (SQ.FT.)	NUMBER OF WET AREAS	AREA WET (SQ.FT.)	PERCENTAGE WET	NUCLEAR GAUGE BASELINE(DRY) READINGS
ROOF A (PVC/TPO)	14,471	8	710	4.9%	4-7
ROOF B (PVC/TPO)	1,941	1	190	9.8%	4-7
ROOF C (PVC/TPO)	4,977	1	24	<1%	4-7
ROOF D (PVC/TPO)	10,890	1	168	1.5%	4-7
ROOF E (PVC/TPO)	360	0	0	0%	4-7
ROOF F (PVC/TPO)	492	0	0	0%	4-7
ROOF G (PVC/TPO)	300	0	0	0%	4-7
ROOF H (PVC/TPO)	18,260	8	702	3.8%	4-7
ROOF I (PVC/TPO)	220	0	0	0%	4-7
ROOF J (EPDM)	4,690	0	0	0%	4-7
TOTAL SCANNED	56,601	19	1,794	3.2%	-

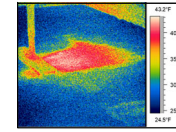
ROOF SIZE IS APPROXIMATE AND IS PROVIDED SOLELY TO SHOW AMOUNT OF MOISTURE DAMAGE AS A PERCENTAGE OF THE ENTIRE ROOF AREA. CONTRACTORS ARE RESPONSIBLE FOR THEIR OWN MEASUREMENTS.
*AREAS SHOWN ON THIS CHART REPRESENT THE ACTUAL DIMENSIONS OF WET AREAS AS MARKED ON THE ROOF AND SHOWN IN THIS DRAWING. FINAL REPLACEMENT FIGURES (SQUARED OFF DIMENSIONS) WILL BE HIGHER.



THERMOGRAM 1



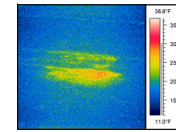
PHOTO 1



THERMOGRAM 2



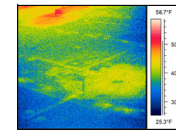
PHOTO 2



THERMOGRAM 3



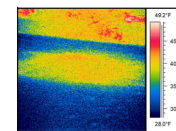
PHOTO 3



THERMOGRAM 4



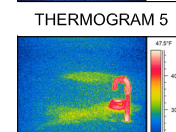
PHOTO 4



THERMOGRAM 5



PHOTO 5



THERMOGRAM 6

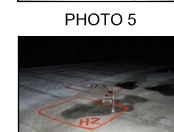
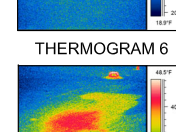


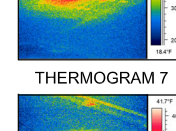
PHOTO 6



THERMOGRAM 7



PHOTO 7



THERMOGRAM 8



PHOTO 8

REVISIONS	No.	DATE	BY

INFRARED ROOF MOISTURE SURVEY

LEGEND:

- MOISTURE INDICATED
- PONDED AREA
- X MECHANICAL EQUIPMENT
- SKYLIGHT
- + ROOF DRAIN
- ROOF HATCH
- CHIMNEY
- PHOTO ORIENTATION



CUSTOMER:
NORTH READING PUBLIC SCHOOLS

BUILDING:
J. TURNER HOOD ELEMENTARY SCHOOL

LOCATION:
298 HAVERHILL ST.
NORTH READING, MA

DRAWN BY:	APPROVED:	DATE:
		10/31/2023