

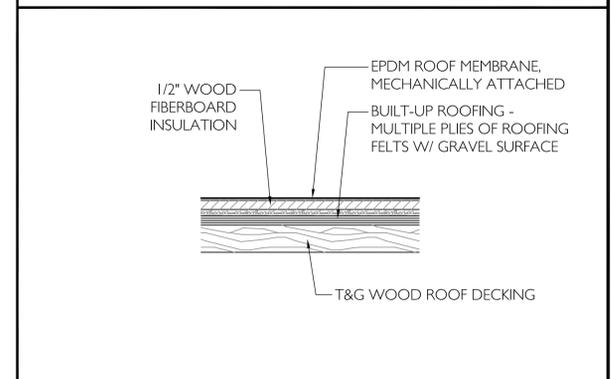
| LEGEND |                       |         |
|--------|-----------------------|---------|
| SYMBOL | DESCRIPTION           | DETAIL  |
|        | ROOF DRAIN            | 5/R-2   |
|        | OVERFLOW ROOF DRAIN   | 6/R-2   |
|        | FLUE PIPE             | 3/R-2   |
|        | VENT PIPE             | 1&2/R-2 |
|        | CHIMNEY               | 13/R-3  |
|        | SKYLIGHT              | 4/R-2   |
|        | ROOF HATCH            | 8/R-2   |
|        | OVERFLOW DRAIN PIPING | 7/R-2   |

| DESCRIPTION | BY | DATE | NO. |
|-------------|----|------|-----|
|             |    |      |     |
|             |    |      |     |
|             |    |      |     |
|             |    |      |     |

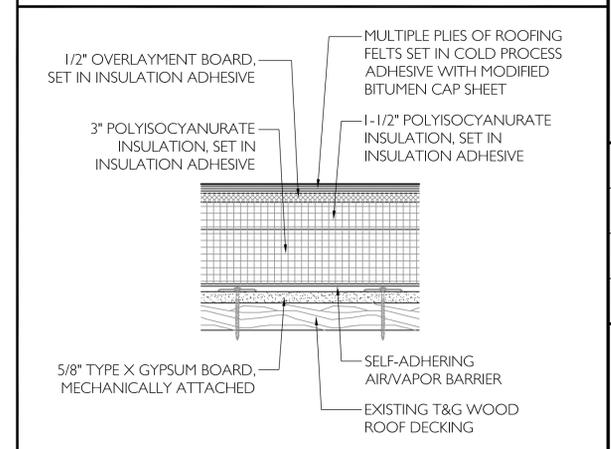
**RUSSO BARR**  
ARCHITECTS

33 Center Street, 2nd Floor, Burlington, MA 01803

**EXISTING ROOF COMPOSITION**



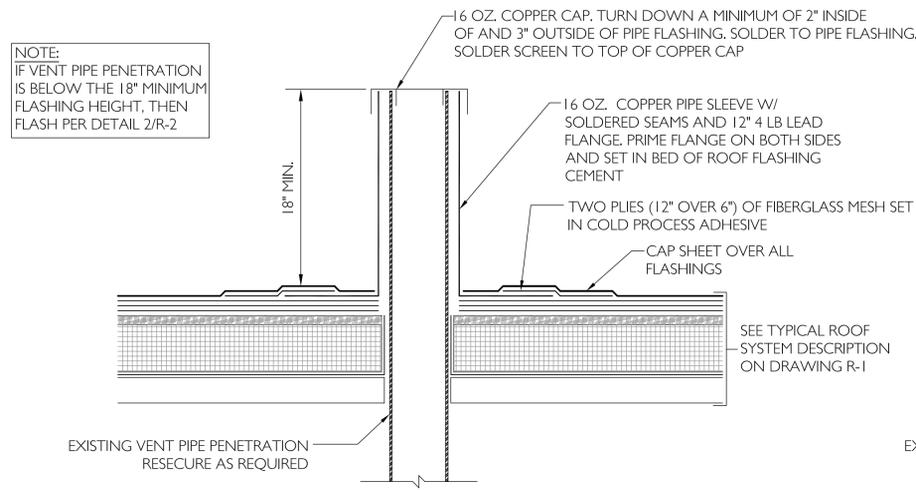
**PROPOSED NEW ROOF COMPOSITION**



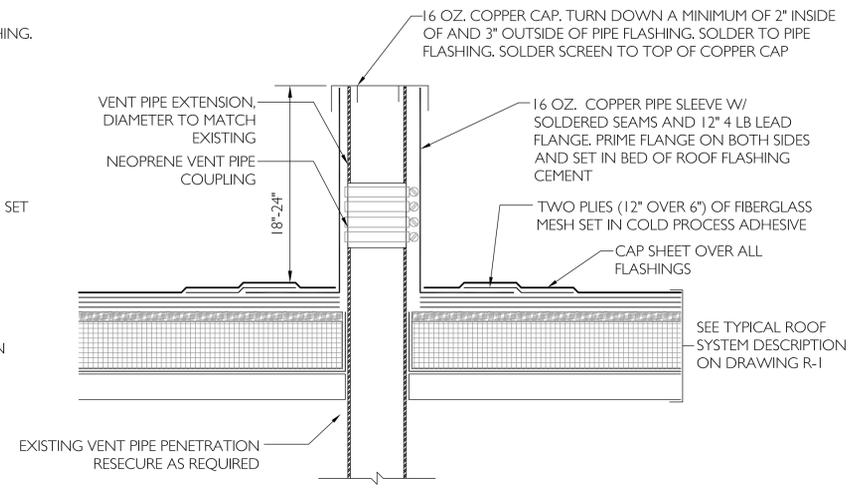
CITY OF LOWELL  
HIGH STREET FIRE STATION  
LOWELL, MASSACHUSETTS  
ROOF REPAIRS PROJECT  
HIGH STREET FIRE STATION - ROOF AREA PLAN

|                       |            |
|-----------------------|------------|
| DATE                  | 09.30.14   |
| SCALE                 | AS NOTED   |
| DRAWN BY / CHECKED BY | jrw/JMR    |
| PROJECT NO.           | 2014058.00 |
| DRAWING NO.           | R-1        |

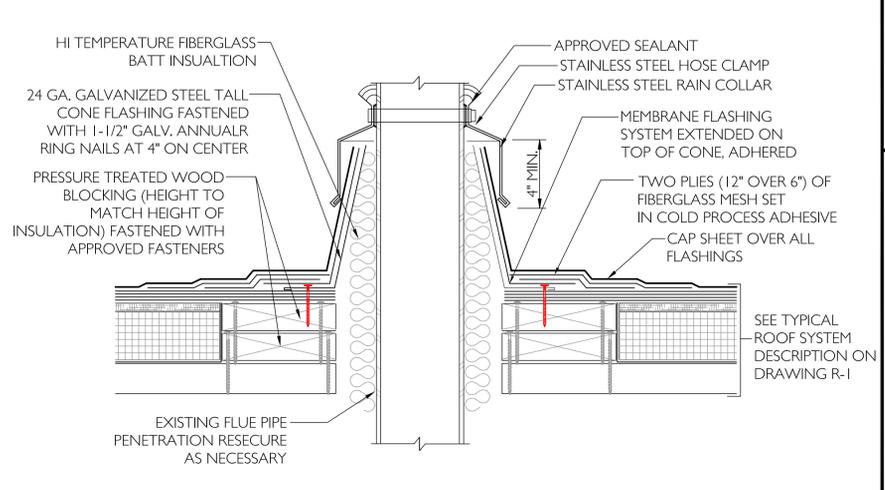
**HIGH STREET FIRE STATION - ROOF AREA PLAN**  
SCALE: 3/16" = 1'0"



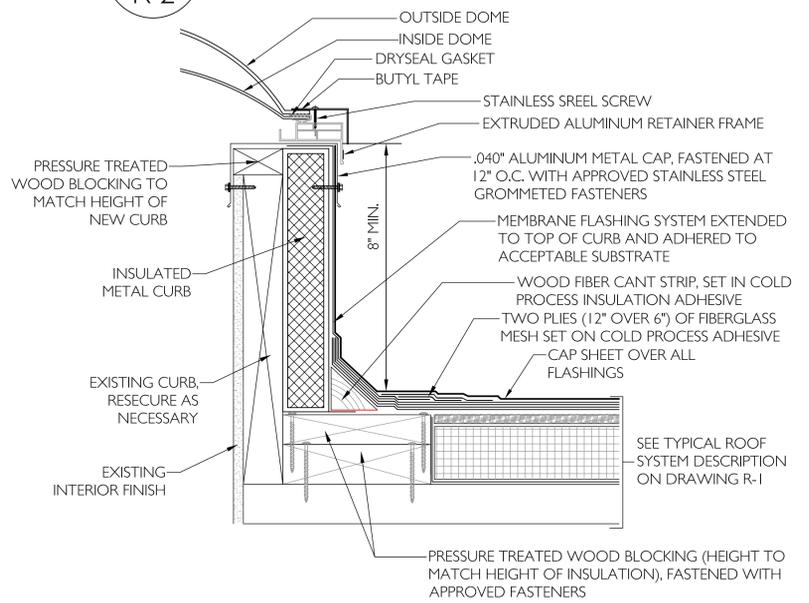
**1 VENT PIPE FLASHING DETAIL**  
R-2 N.T.S.



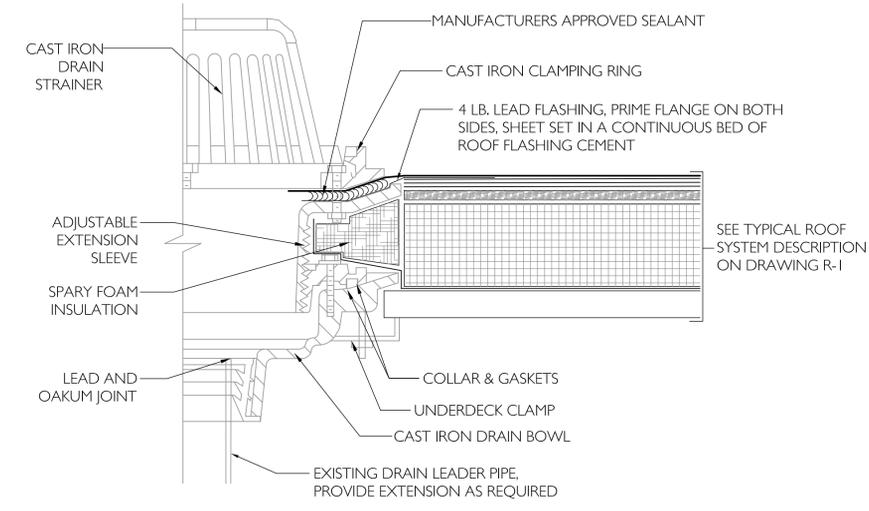
**2 VENT PIPE EXTENSION FLASHING DETAIL**  
R-2 N.T.S.



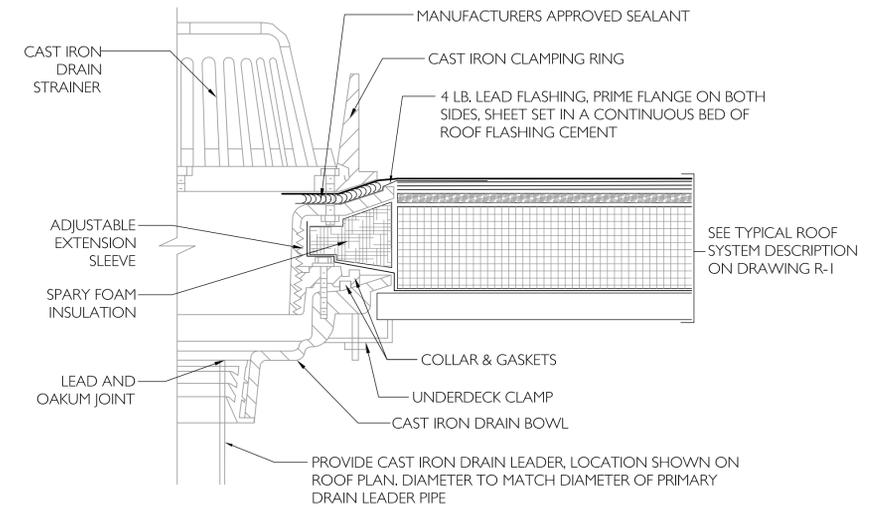
**3 FLUE PIPE FLASHING DETAIL**  
R-2 N.T.S.



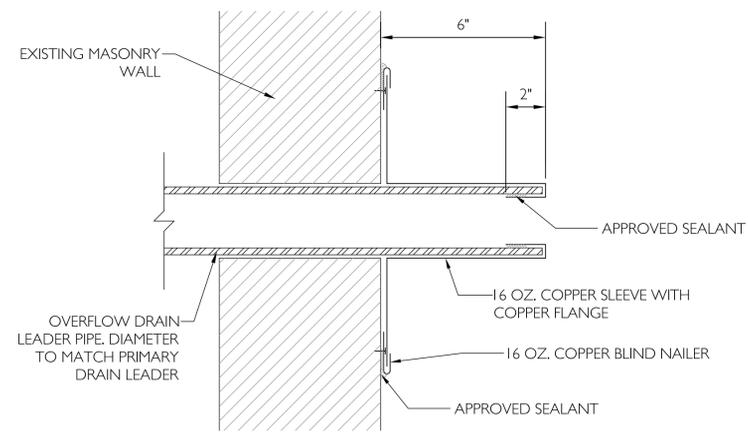
**4 SKYLIGHT CURB FLASHING DETAIL**  
R-2 N.T.S.



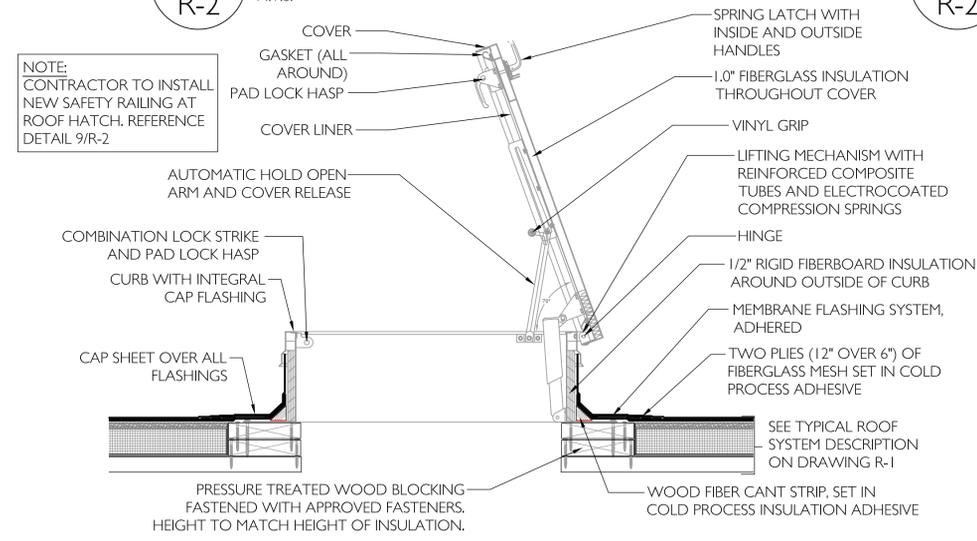
**5 ROOF DRAIN FLASHING DETAIL**  
R-2 N.T.S.



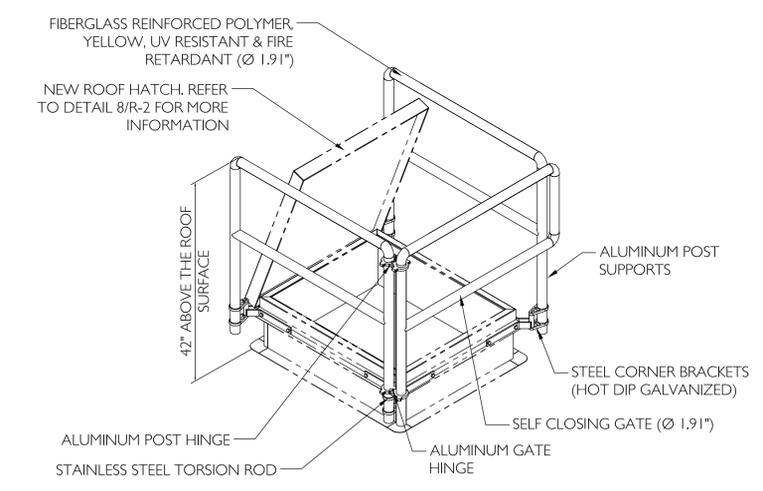
**6 OVERFLOW ROOF DRAIN FLASHING DETAIL**  
R-2 N.T.S.



**7 DRAIN LEADER PIPE DETAIL**  
R-2 N.T.S.



**8 ROOF HATCH FLASHING DETAIL**  
R-2 N.T.S.



**9 ROOF HATCH SAFETY RAILING DETAIL**  
R-2 N.T.S.

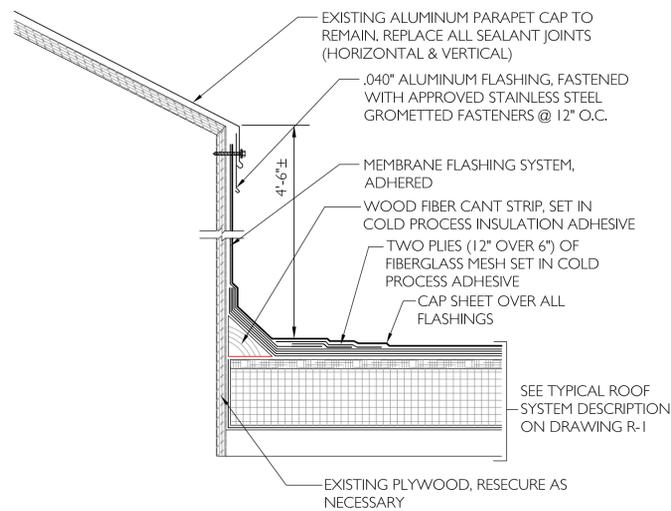
|             |  |
|-------------|--|
| DESCRIPTION |  |
| BY          |  |
| DATE        |  |
| NO          |  |

**RUSSO BARR**  
ARCHITECTS  
33 Center Street, 2nd Floor, Burlington, MA 01803

**CITY OF LOWELL**  
HIGH STREET FIRE STATION  
LOWELL, MASSACHUSETTS  
ROOF REPAIRS PROJECT  
BUILT-UP ROOFING DETAILS

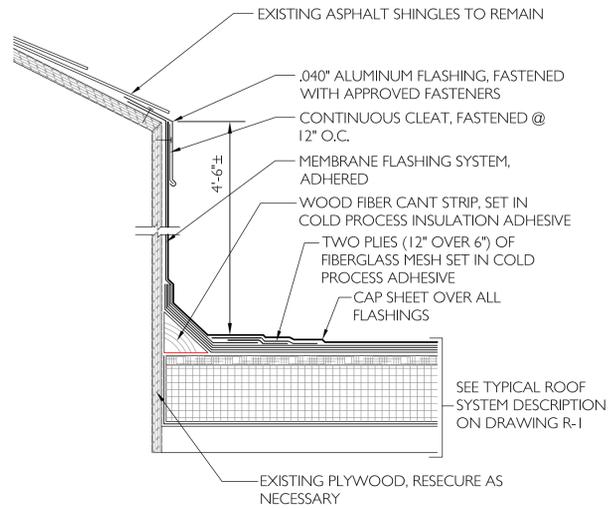
|                       |            |
|-----------------------|------------|
| DATE                  | 09.30.14   |
| SCALE                 | AS NOTED   |
| DRAWN BY / CHECKED BY | jrw/JMR    |
| PROJECT NO            | 2014058.00 |
| DRAWING NO            |            |

**R-2**



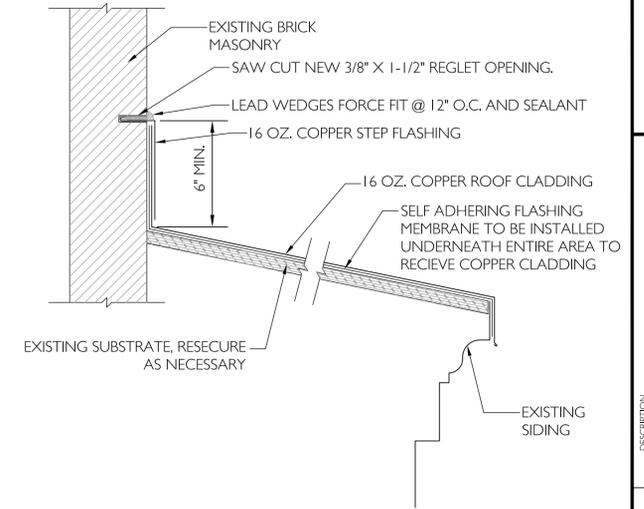
10 ROOF TO ROOF TRANSITION FLASHING DETAIL

R-3 N.T.S.



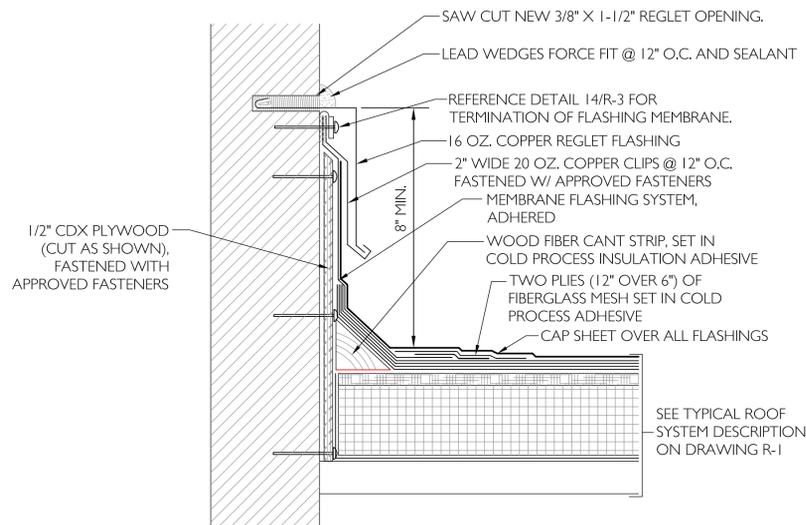
11 ROOF TO ROOF TRANSITION FLASHING DETAIL

R-3 N.T.S.



12 BAY WINDOW ROOF DETAIL

R-3 N.T.S.

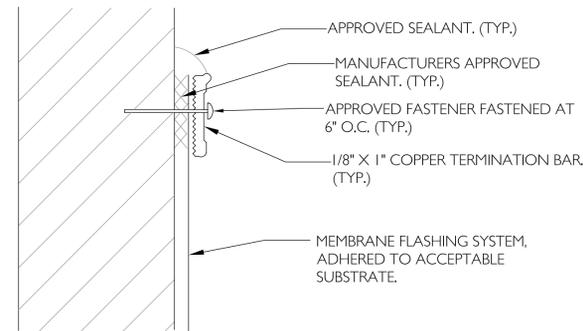


13 REGLET BASEWALL FLASHING DETAIL

R-3 N.T.S.

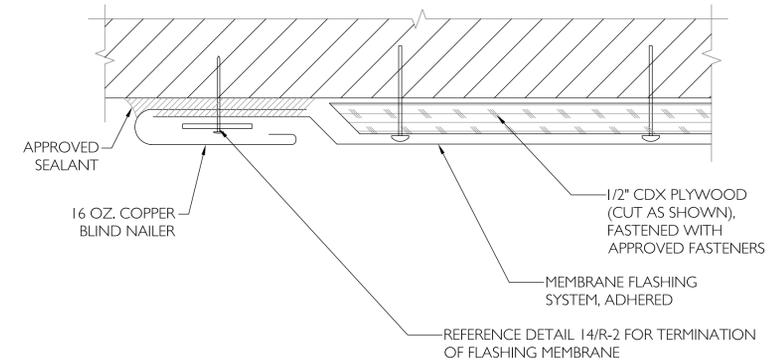
NOTES:

- APPROVED SEALANT MUST BE HELD UNDER CONSTANT COMPRESSION.
- DO NOT WRAP COMPRESSION TERMINATION AROUND CORNERS.
- ALLOW 1/4" (6 mm) MINIMUM TO 1/2" (13 mm) MAXIMUM SPACING BETWEEN CONSECUTIVE LENGTHS OF TERMINATION BAR.



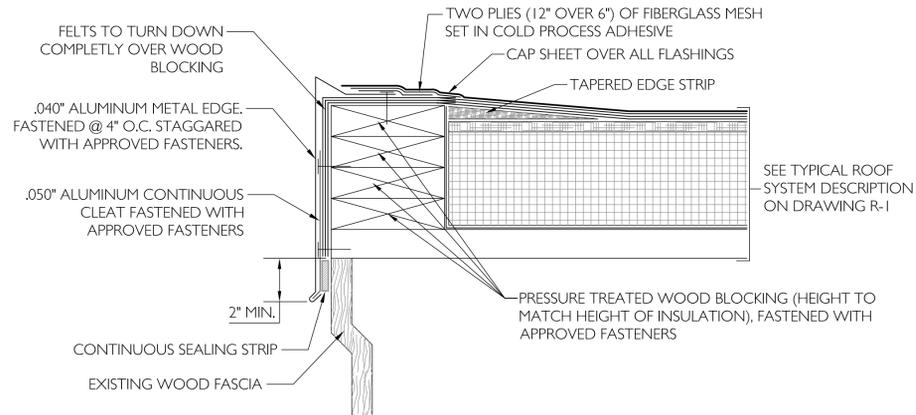
14 TERMINATION BAR DETAIL

R-3 N.T.S.



15 BLIND NAILER DETAIL

R-3 N.T.S.



16 METAL EDGE FLASHING DETAIL

R-3 N.T.S.

|             |
|-------------|
| DESCRIPTION |
| BY          |
| DATE        |
| NO          |



CITY OF LOWELL  
HIGH STREET FIRE STATION  
LOWELL, MASSACHUSETTS  
ROOF REPAIRS PROJECT  
BUILT-UP ROOFING DETAILS

DATE 09.30.14

SCALE AS NOTED

DRAWN BY / CHECKED BY jrw/JMR

PROJECT NO 2014058.00

DRAWING NO

R-3