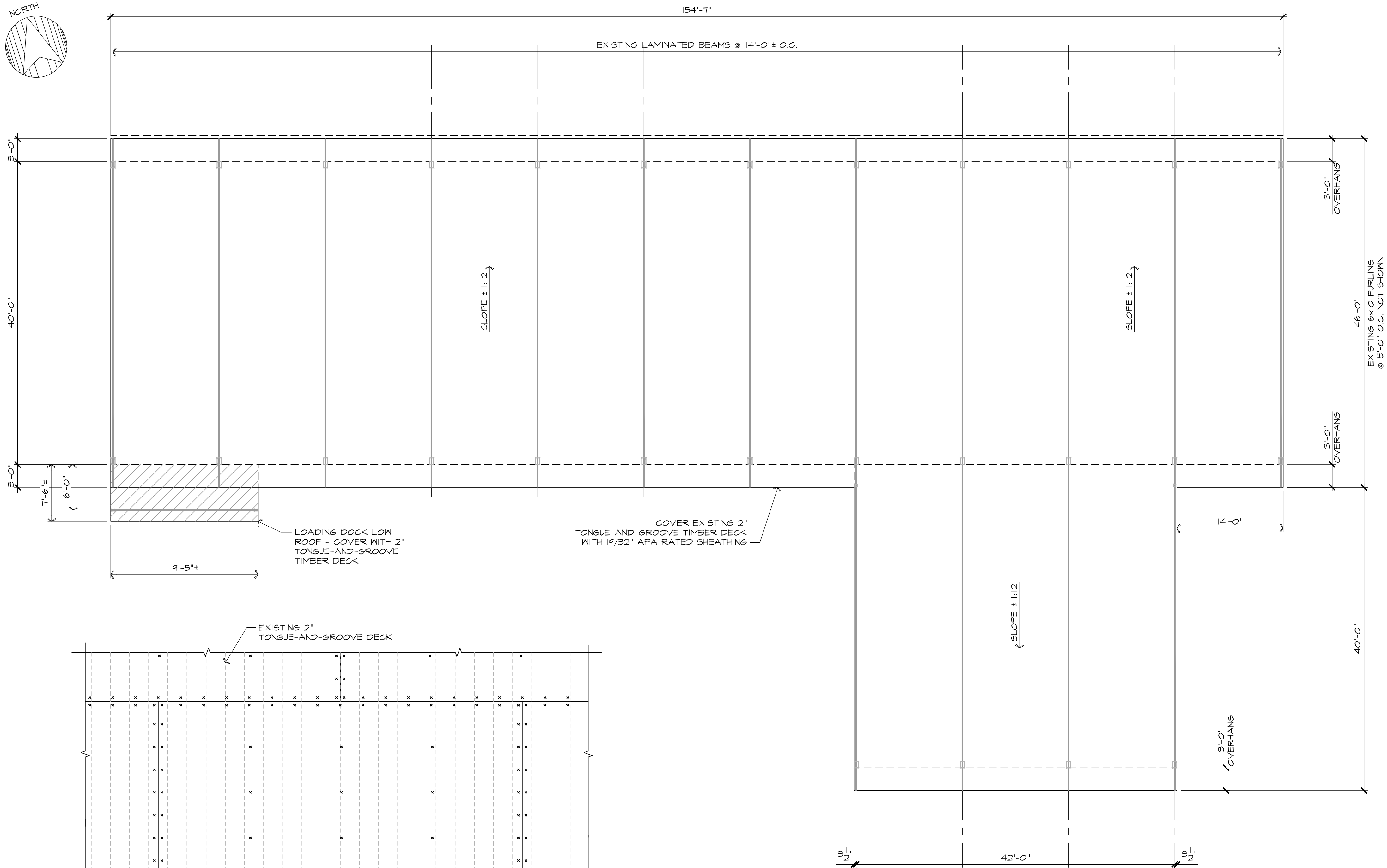
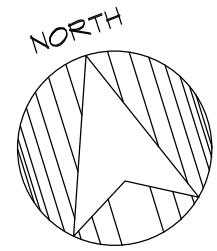
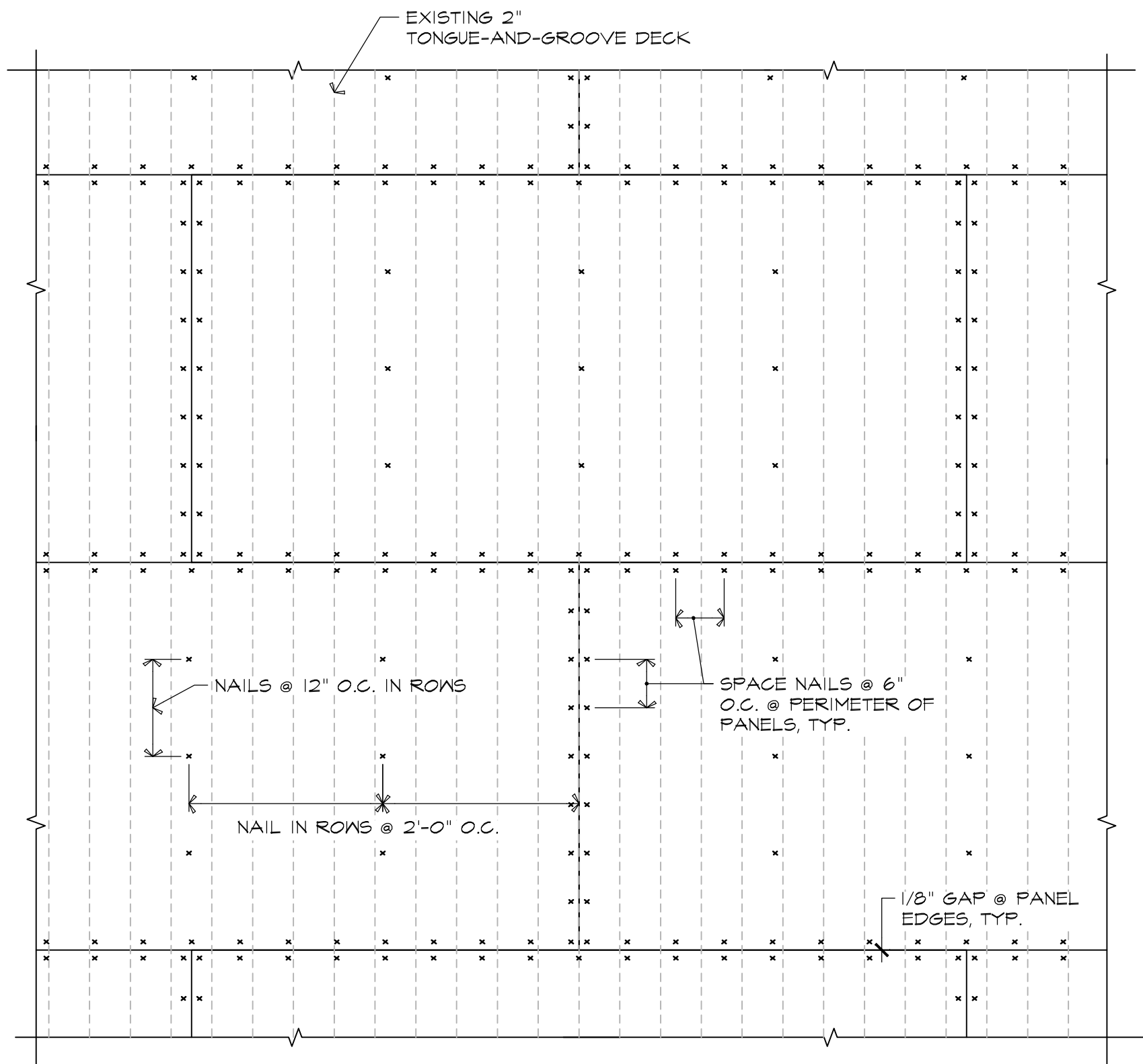




- NOTES**
- ROOF ALTERATIONS ARE DESIGNED FOR SNOW LOADS ESTABLISHED IN ACCORDANCE WITH THE 2015 EDITION OF THE INTERNATIONAL BUILDING CODE AND THE 2010 EDITION OF MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, ASCE-10, BY THE AMERICAN SOCIETY OF CIVIL ENGINEERS AS FOLLOWS:
    - GROUND SNOW LOAD  $PG = 80 \text{ PSF}$
    - FLAT ROOF SNOW LOAD:
      - ENCLOSED SPACES:  $PF = 56 \text{ PSF}$
      - LOADING DOCK AND OVERHANGS  $PF = 61 \text{ PSF}$
    - SNOW EXPOSURE FACTOR  $CE = 1.0$
    - SNOW IMPORTANCE FACTOR  $IS = 1.0$
    - THERMAL FACTOR:
      - ENCLOSED SPACES  $CT = 1.0$
      - LOADING DOCK AND OVERHANGS  $CT = 1.2$
    - SNOW DRIFTING IN ACCORDANCE WITH ASCE 7-10.
  - THE EXISTING ROOF DECK CONSISTS OF 2" NOMINAL THICKNESS, TONGUE-AND-GROOVE TIMBER DECK. COVER THE ENTIRE BUILDING ROOF WITH  $1\frac{1}{2}$ " APA RATED SHEATHING, EXPOSURE 1, WITH SPAN RATING 40/20.
  - LAY PANELS WITH THE LONG DIMENSION PERPENDICULAR TO EXISTING TIMBER DECK MEMBERS. STAGGER END JOINTS AT LEAST 2 FEET. INSTALL WITH  $\frac{1}{8}$ " GAPS BETWEEN INDIVIDUAL PANELS.
  - FASTEN PANELS TO EXISTING ROOF DECK WITH 6d COMMON NAILS WITH DIMENSIONS 0.113" DIAMETER BY 2" LONG. SPACE NAILS AT 6" ON CENTER AROUND THE PERIMETER OF EACH PANEL, WITH NAILS LOCATED  $\frac{3}{8}$ " FROM PANEL EDGES. SPACE NAILS AT 12" ON CENTER IN ROWS PERPENDICULAR TO THE LONG DIMENSION OF THE PANELS. SPACE ROWS AT 24" ON CENTER. SEE THE PLAN DETAIL.
  - AT THE LOADING DOCK, INSTALL A SECOND LAYER OF 2" NOMINAL THICKNESS TIMBER DECK OVER THE EXISTING TIMBER DECK. NEW DECKING SHALL BE COMMERCIAL GRADE SOUTHERN PINE, PRESSURE TREATED WITH MICRONIZED COPPER QUAT (MCQ) TO A MINIMUM RETENTION FOR USE CATEGORY UC3B AS DEFINED BY THE AMERICAN WOOD PROTECTION ASSOCIATION (AWPA) STANDARD U1-21. PROVIDE TONGUE-AND-GROOVE DECKING.
  - LAY DECKING IN THE SAME ORIENTATION AS EXISTING. INDIVIDUAL DECKING MEMBERS SHALL BE FULL LENGTH FOR THE WIDTH OF THE LOADING DOCK. FASTEN WITH 10d (0.148" DIAMETER X 3") NAILS. USE 2 NAILS PER MEMBER SPACED AT 24". PLACE ONE NAIL IN THE FACE NEAR THE GROOVE AND THE OTHER DRIVEN THROUGH THE TOP OF THE TONGUE ON A 45 DEGREE ANGLE FROM THE HORIZONTAL. FASTENERS SHALL BE HOT-DIP GALVANIZED.



**EXISTING ROOF PLAN MODIFICATIONS**

| REVISION |        | ISSUED FOR CONSTRUCTION |      |
|----------|--------|-------------------------|------|
| NO.      | DATE   | NO.                     | DATE |
| 1        | 6-8-22 |                         |      |

**MAINE**

**AFC Bolton Hill Reroofing**

**Augusta, Maine**

**EXISTING ROOF PLAN MODIFICATIONS**

**DRAWN BY** SAM

**CHECKED BY** MAC

**ISSUE DATE** 6-8-22

**PROJECT NO.** 2022.1140

**STATE OF MAINE**

**MICHAEL ALAN CUMMINGS**

**REGISTERED PROFESSIONAL ENGINEER**

**0004519**

**Lincoln / Haney**

**Engineering Associates, Inc.**

14 Maine Street, Suite 306A  
Box 7  
Brunswick, Maine 04001  
Phone: 207-729-1061 Fax: 207-729-2941

**S1.1**