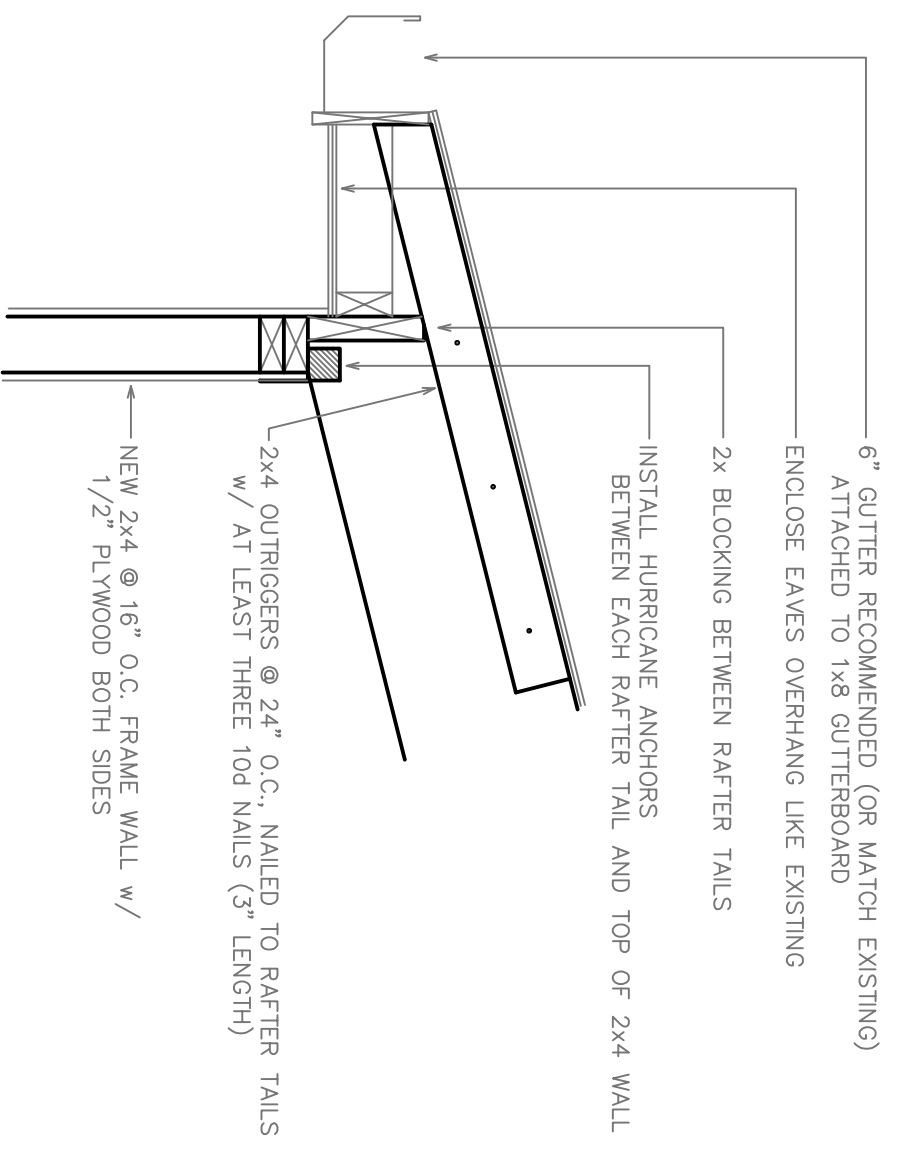
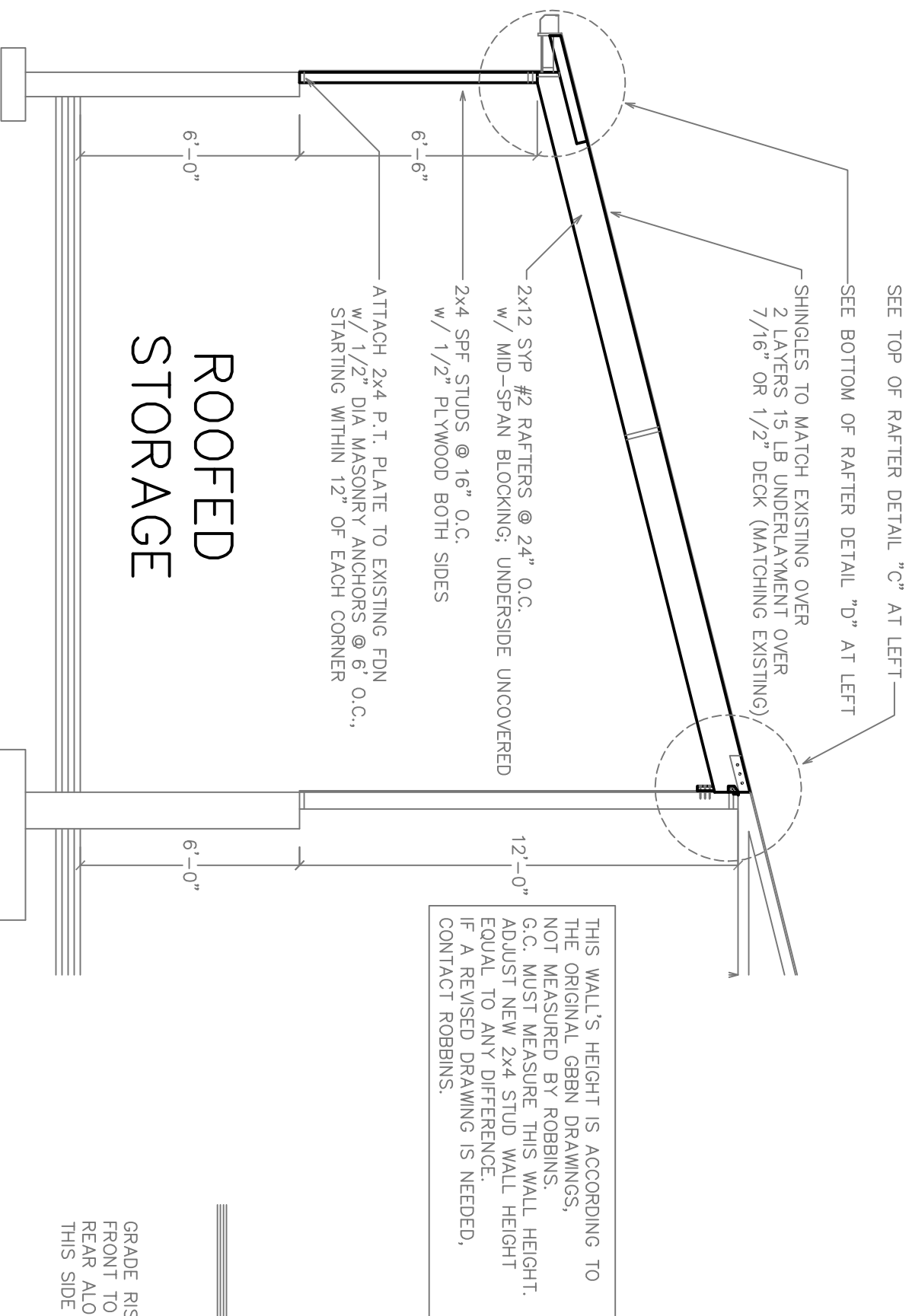


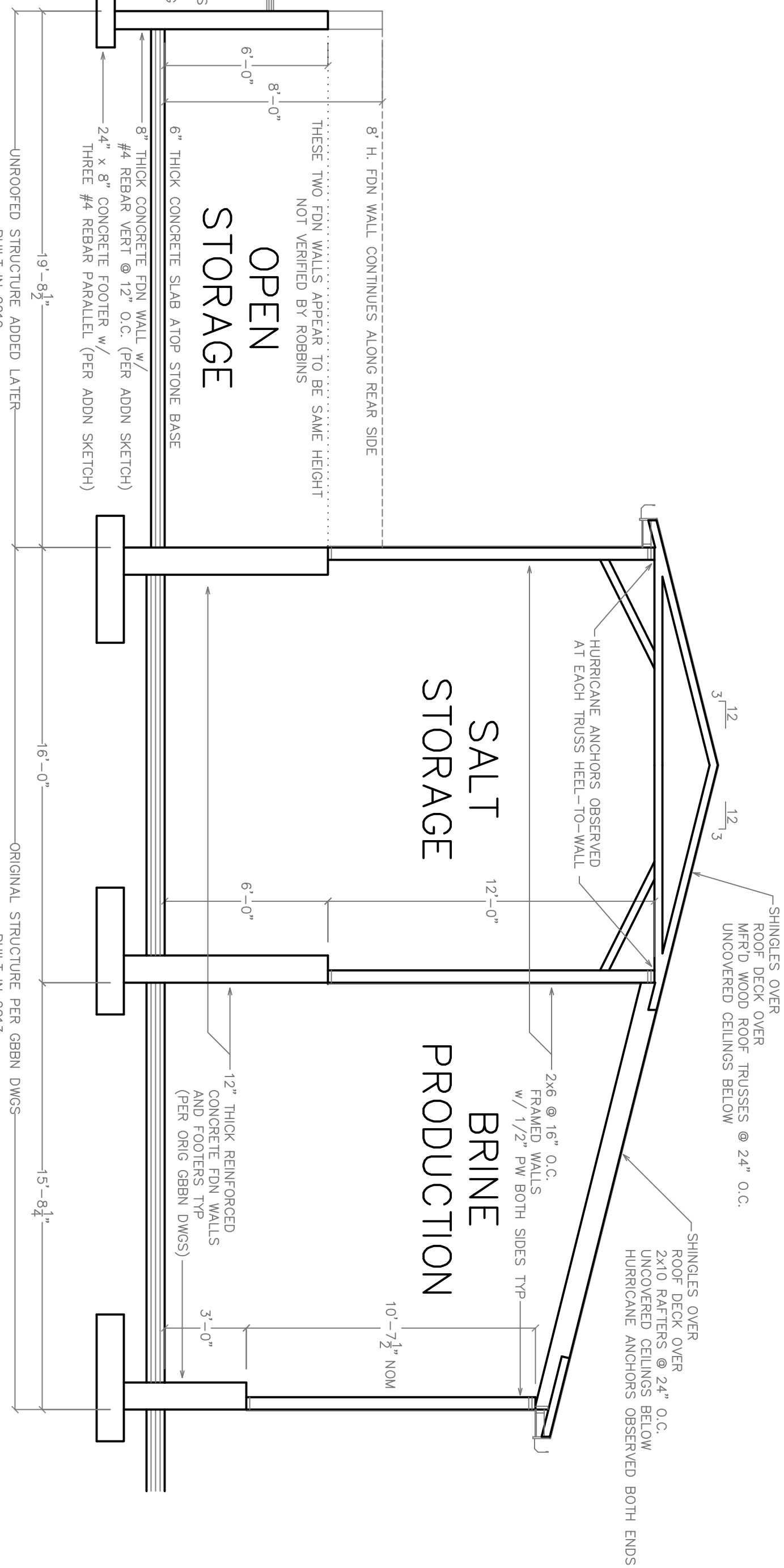
TOP OF RAFTER DETAIL (C)



BOTTOM OF RAFTER DETAIL (D)



MODIFIED SECTION (B)

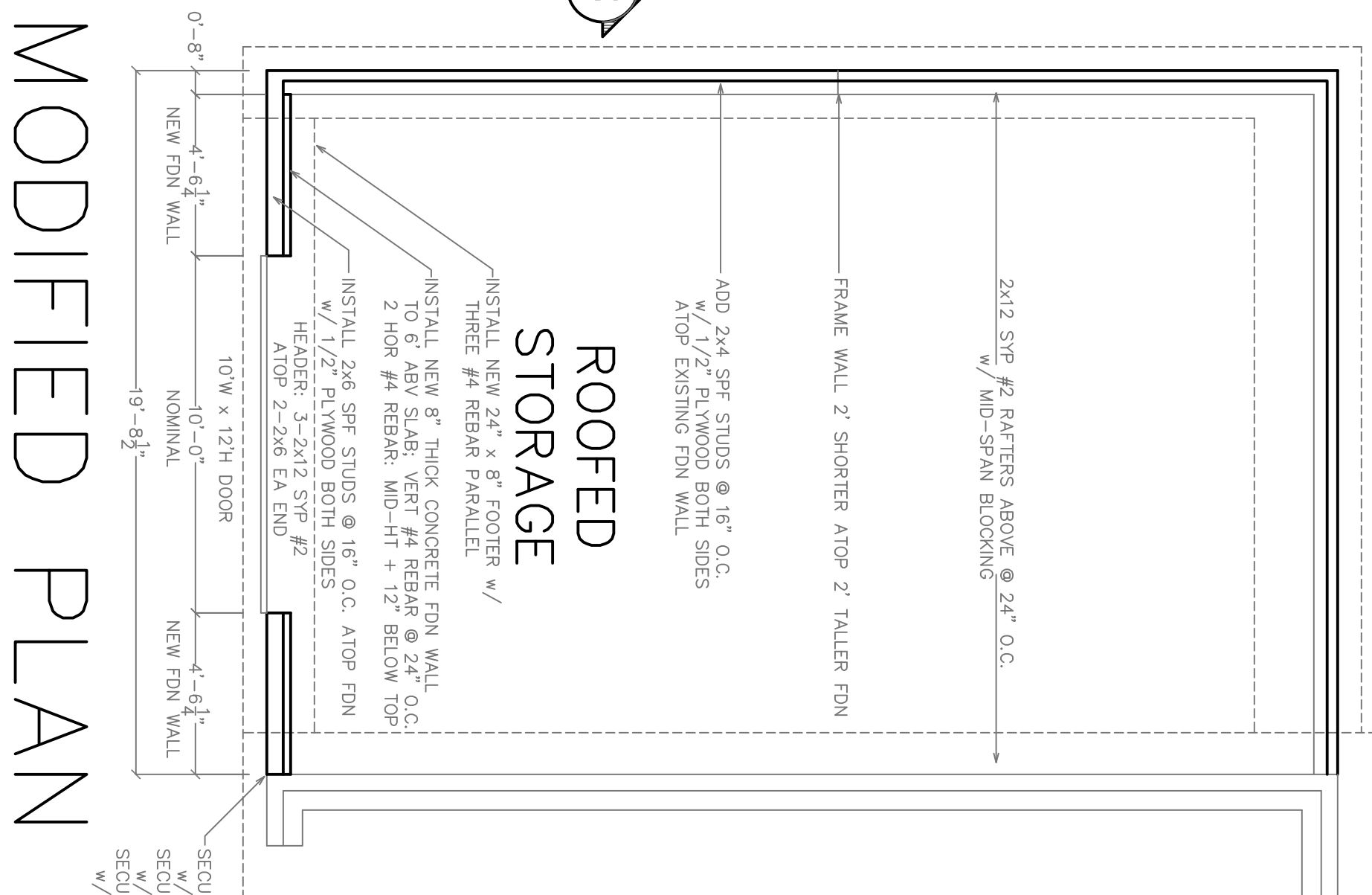


EXISTING SECTION (A)

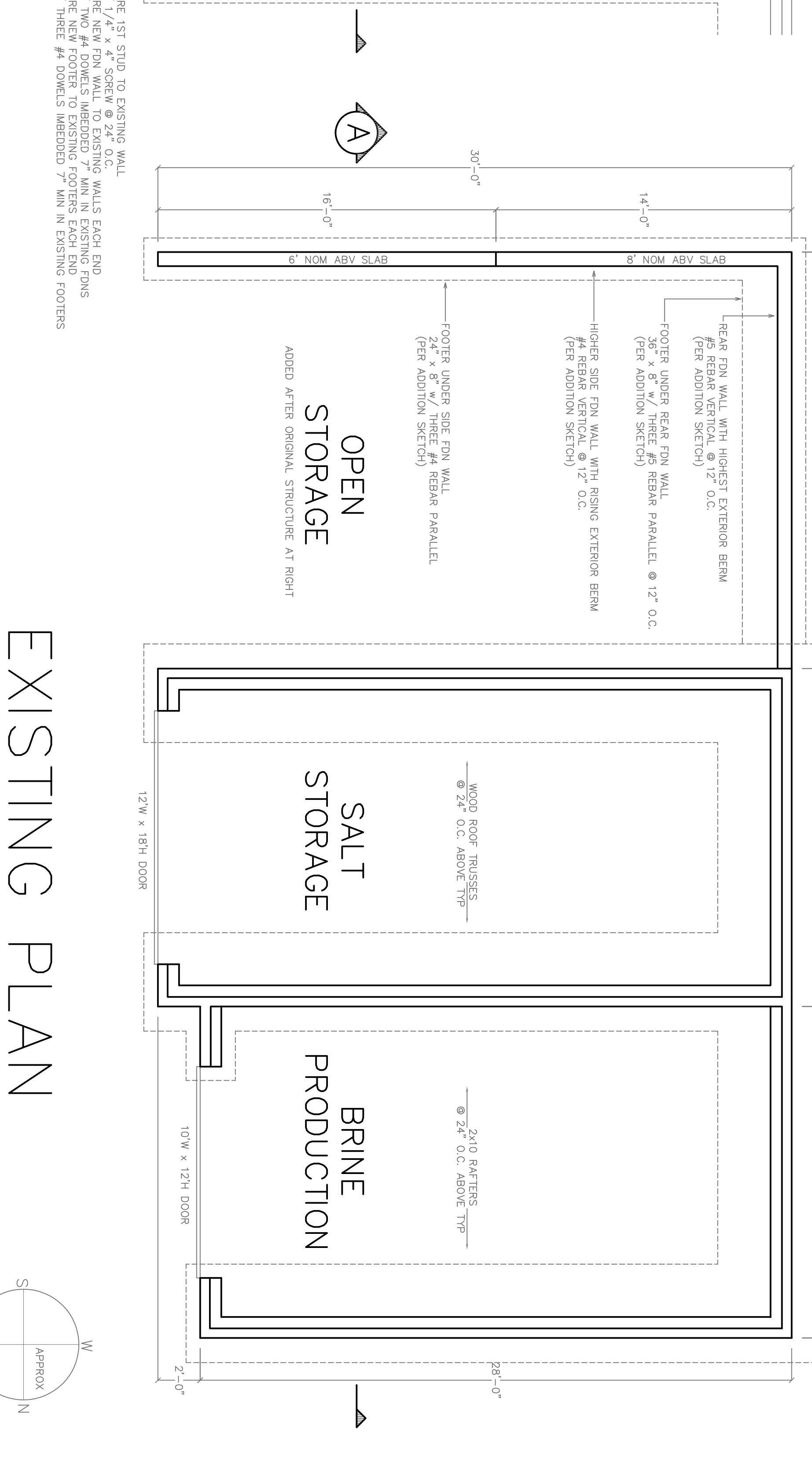
**REFERENCED PRIOR DRAWINGS**  
 HIGHLAND HEIGHTS' COPY OF ORIGINAL GBBN DRAWINGS FOR SALT & BRINE STRUCTURE, HAND-DRAWN SKETCH OF OPEN STORAGE STRUCTURE, ALSO HELD BY HIGHLAND HEIGHTS.

**SITE GRADES**  
 TOPOGRAPHIC GRADES SHOWN OR REFERRED TO IN THIS DRAWING WERE MEASURED OR ESTIMATED BY DESIGNER AT PRESUMED BUILDING LOCATION, OR WERE PROVIDED BY ANOTHER PROFESSIONAL.

**CONCRETE FOOTERS, FDN WALLS & SLABS**  
 THIS DESIGN ASSUMES FINAL GRD LEVELS WILL BE UNCHANGED FROM CURRENT CONDITIONS. NEW FOOTERS MUST BE AT LEAST 4\"/>



MODIFIED PLAN



EXISTING PLAN

**DESIGN MAX DEFLECTIONS UNDER LIVE LOADS:**  
 FRAME RAFTERS: L/360  
 WALLS & PARTITIONS: H/240

**DESIGN STRUCTURAL MATERIAL STRENGTHS**  
 SOIL BEARING PRESSURE: 1500 PSF  
 2x LUMBER SYP #2: FB=1200 PSF, FV=90, E=1,600,000 PSF, FC=1000/565 PSF  
 2x LUMBER SYP #3 OR STUDS: FB=975 PSF, FV=70 PSF, E=1,200,000, FC=425/425 PSF  
 CONCRETE IN FOOTERS AND WALLS: SLABS: 3500 PSI MIN  
 CONCRETE IN FOOTERS AND WALLS: PS: 4000 PSI MIN  
 CONCRETE EXPOSED TO FREEZE / THAW TEMPS DURING OR AFTER CONSTRUCTION TO HAVE 5%-7% AIR ENTRAINMENT

**TRADITIONAL & ENGINEERED LUMBER**  
 SPECIFIED LUMBER IS "SYP" UNLESS OTHERWISE NOTED. DO NOT SUBSTITUTE "SP" LUMBER WHERE "SYP" LUMBER IS SPECIFIED. USE SPECIES NUMBER (LIKE "SYP #1") WHERE SPECIFIED. SUBSTITUTE FOR LOWER NUMBERS ONLY.

**HOLES AND CUTS IN STRUCTURAL COMPONENTS**  
 ALL HOLES AND CUTS IN STRUCTURAL COMPONENTS SHALL BE UNCHANGED FROM CURRENT DRAWINGS. RAFTERS AND COLUMNS MUST BE REINFORCED TO MAINTAIN ORIGINAL STRENGTH. DO NOT REDUCE SIZE, CROSS SECTION, RAFTERS AND COLUMNS UNLESS APPROVED. ASK DESIGNER OR PRODUCT MFG ABOUT HOLE-CUTTING IF NOT SHOWN DETAIL IN THIS DRAWING.

NEW ROOF OVER OPEN STORAGE STRUCTURE

**HIGHLAND HEIGHTS PUBLIC WORKS**  
 176 JOHNS HILL RD, HIGHLAND HEIGHTS, KY

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