

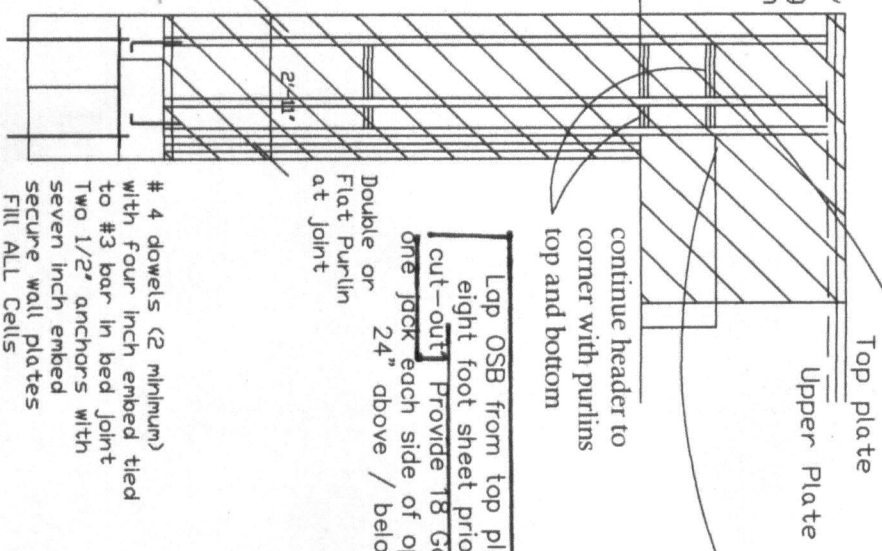
# WADDELL RESIDENCE 838 BRADLEY FUUQAY VARINA 1850043814

48" below top of opening

Use full 4' x 8' sheet cut opening after installation

header continues to corner with purlins nail perpendicular king stud with 6-16d hand drive or 12-12d gun nails

**21 AUG 2018**  
Builder has only used 2 x 6 at garage opening jacks 2 x 4 wall used Purlins complete to corner per detail shown  
FUR wall to 2x6 with 2 x 2 furring or offset 2 x 4 to form 5 1/2" section



Two #4 bars minimum required in stem wall Vertical Dowels may be epoxied in place with four inch embed

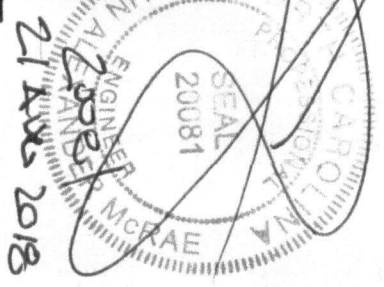
Garage Door wing walls and house walls where panel width less than 4'

2-16" LVL Single Door

5/8" Type "X" on garage ceiling 7/16 OSB on exterior wall studs  
header continuous to corner  
Box out header to 5 1/2" with 2 x 6 plate top and bottom

**2 x 6 portal wall used**

Nail panel to studs with 8d nails at 3 inches o.c. at edge and in field



Limited length of stem wall will require 7/16" OSB on INTERIOR of wall See OSB note above

Engineered Alternate Design Portal Frame with hold downs PFH method

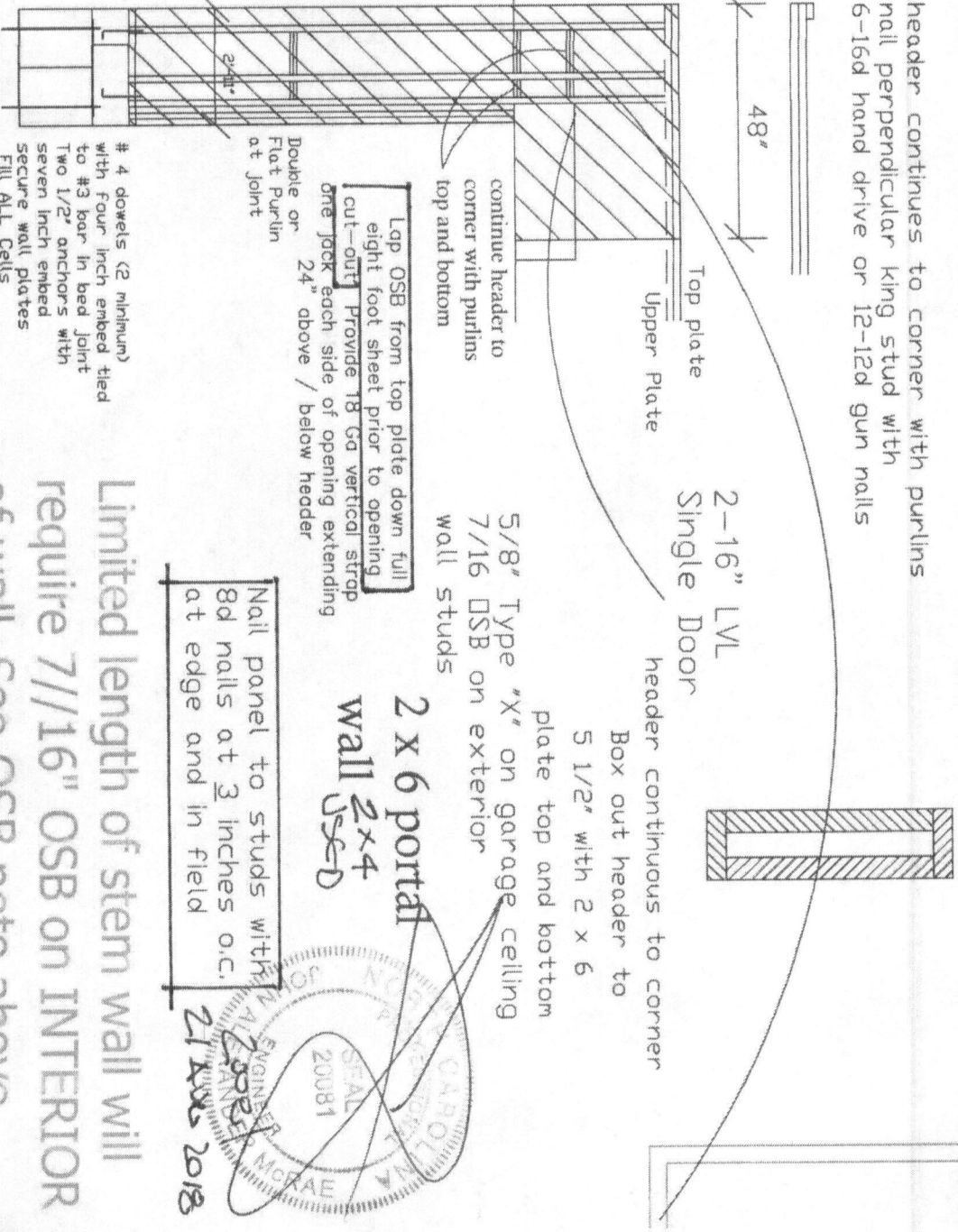
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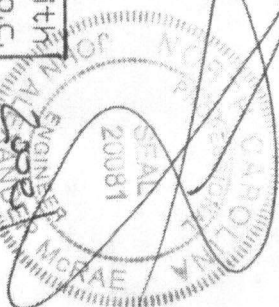
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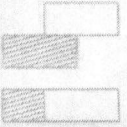


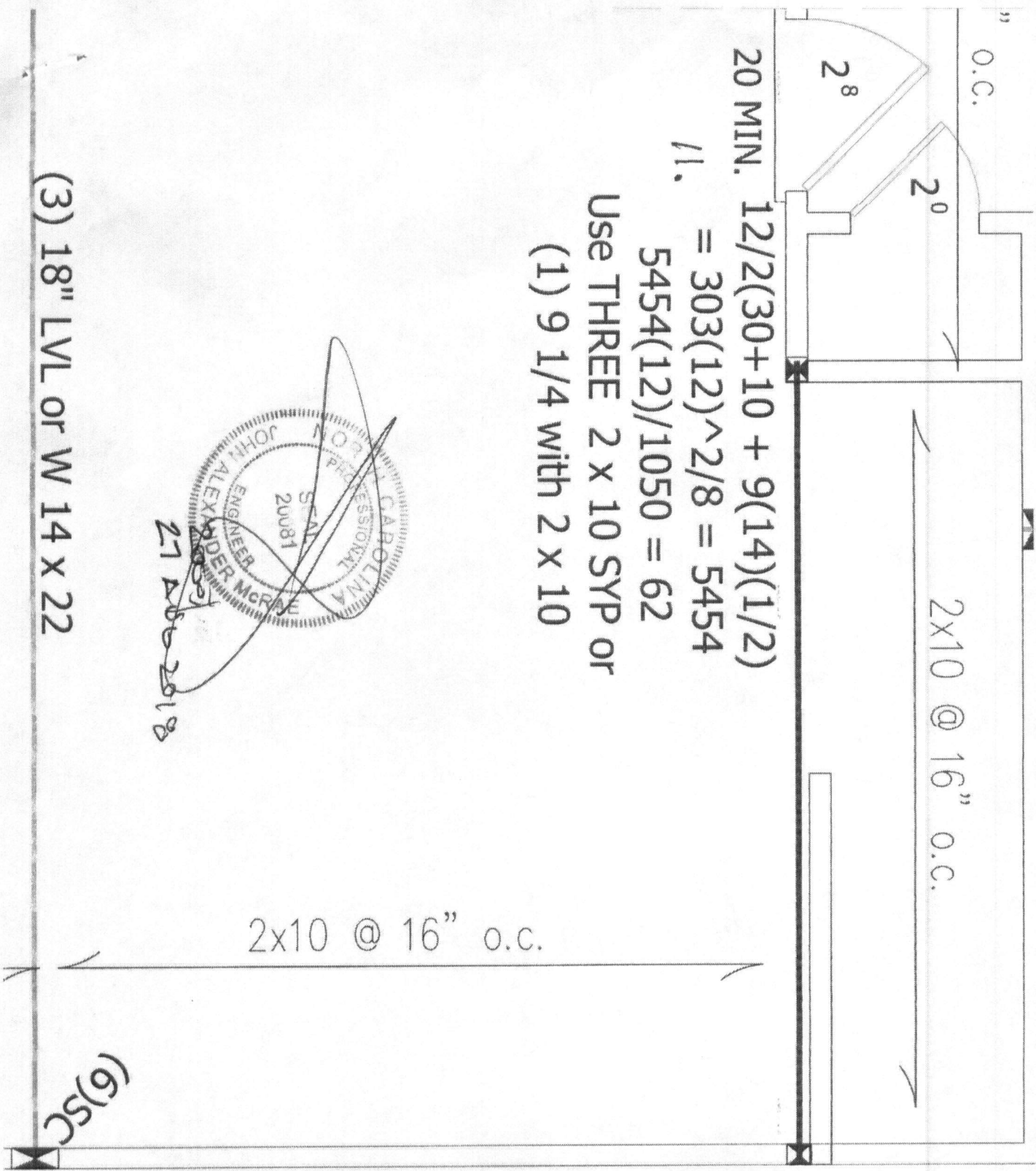
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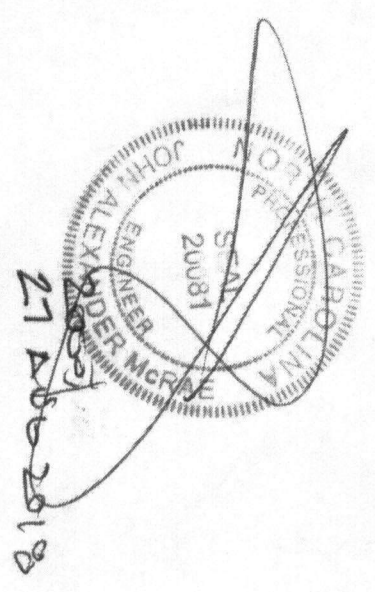
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20 MIN.  $12/2(30+10 + 9(14))(1/2)$   
 $= 303(12)^{2/8} = 5454$   
 $11. 5454(12)/1050 = 62$   
 Use THREE 2 x 10 SYP or  
 (1) 9 1/4 with 2 x 10



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(3) 18" LVL or W 14 x 22

(6) SC