

Reviewed By:
Special Client
1/24/2026

Drawn By:
James Kenalty
1/24/2026

Project Start Date:
01/24/2026

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CUSTOM SIP HOME DESIGN FOR
SPECIAL CLIENT
JACK RANCH
SOME COUNTY TEXAS

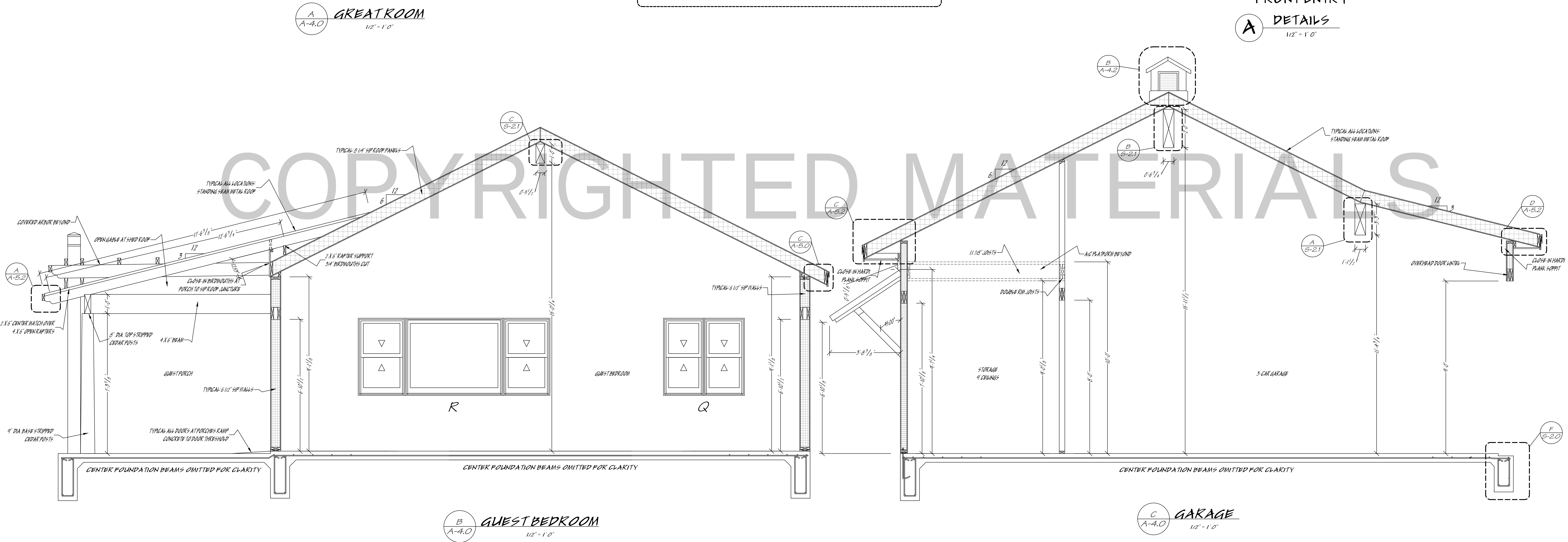
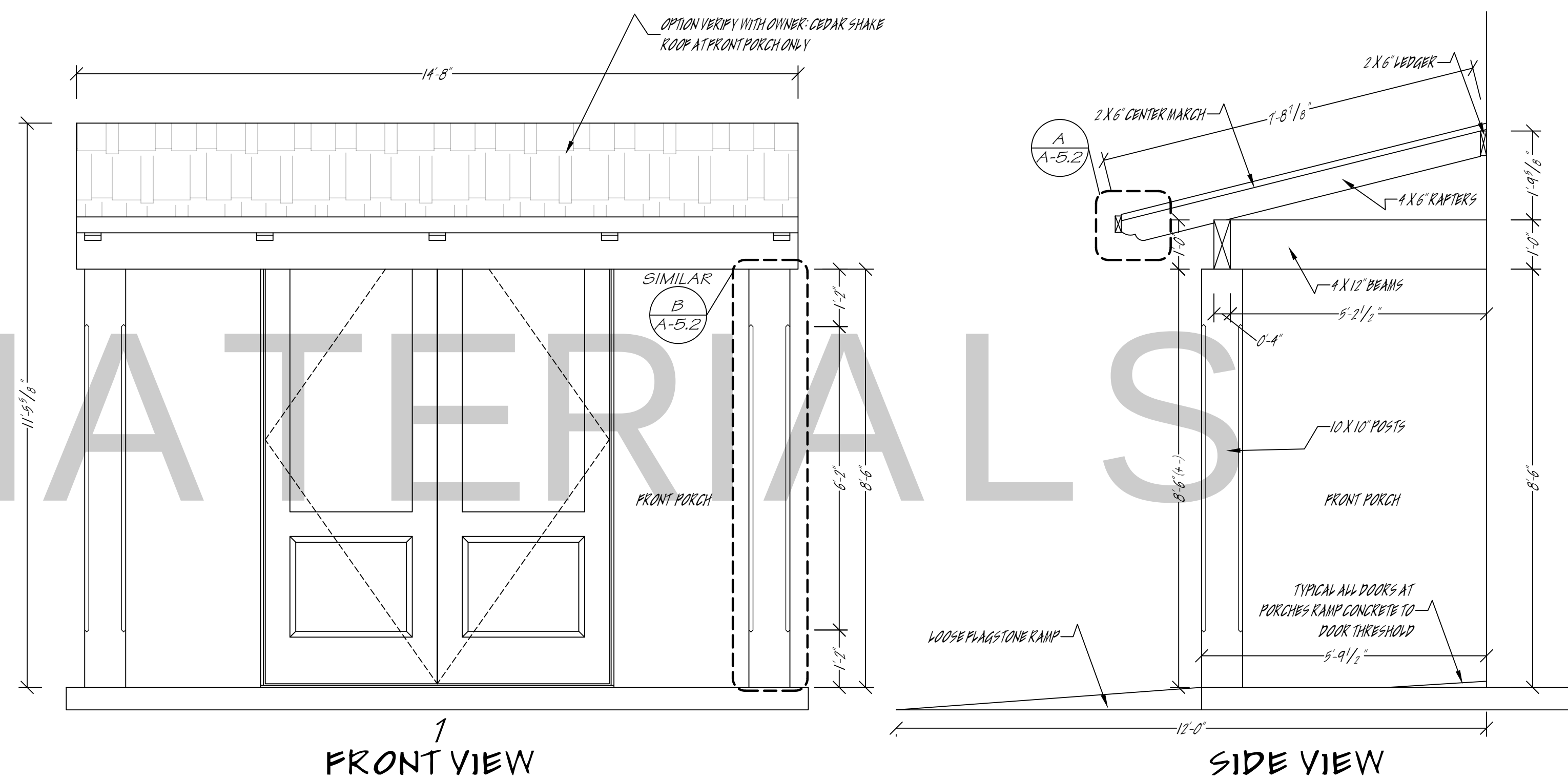
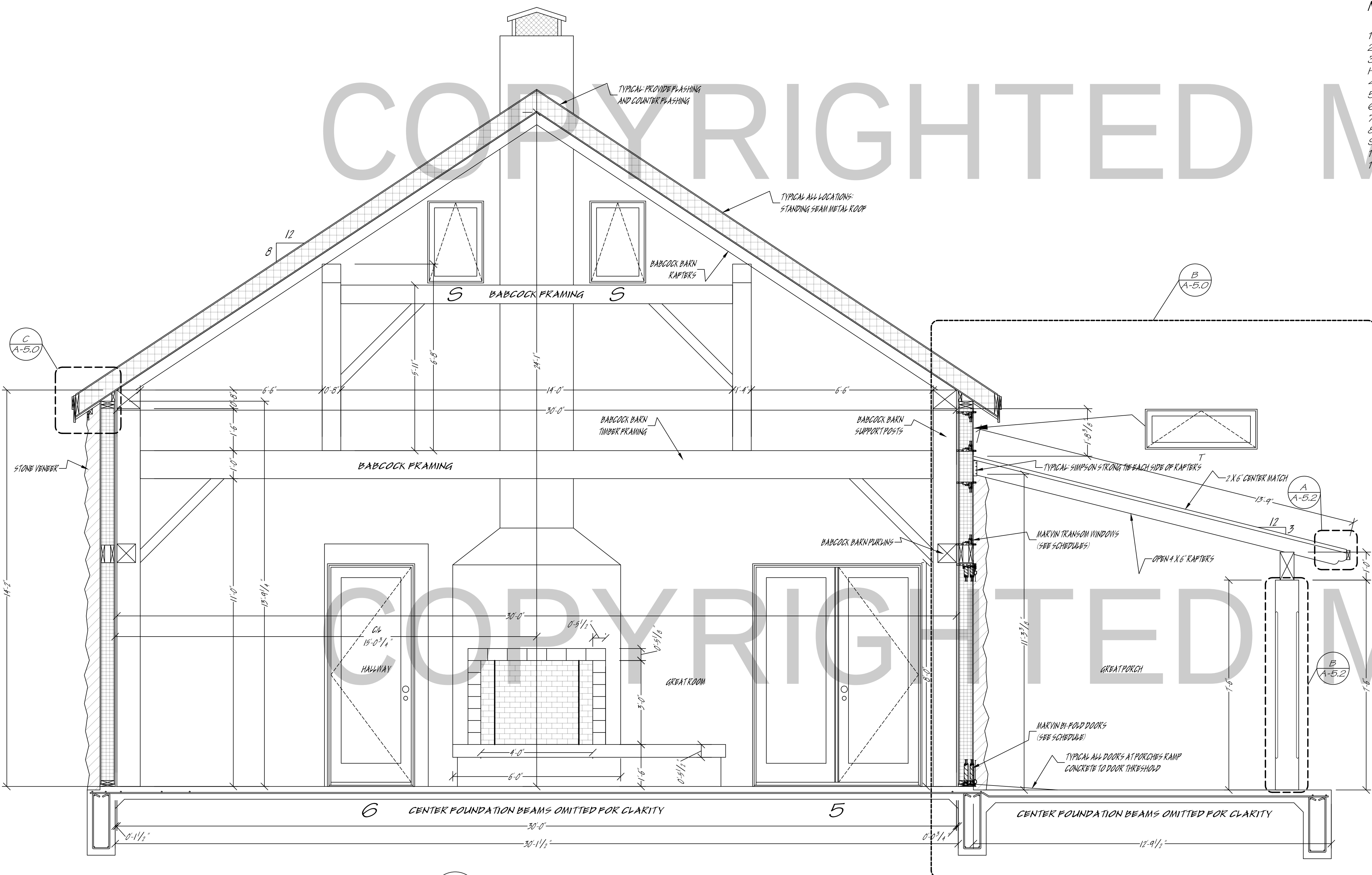
DRAWING SEABED BY:
N.C.B.D.C.
NATIONAL COUNCIL OF
JAMES KENALTY
JACK RANCH
SOME COUNTY TEXAS
January 24, 2026

SCALE:
1/2" = 1'

SECTIONS
SHEET
A - 4.0

MECHANICAL DESIGN BUILT BY HVAC CONTRACTOR

1. ALL DUCT SHALL BE GALVANIZED METAL INSULATED WITH R-6 WRAP FOR THE FIRST 20' LEAVING THE AIR HANDLER UNIT
2. ALL DUCT DIAMETERS SHALL BE GIVEN AS CLEAR INSIDE DIMENSIONS
3. CONNECT MAIN CONDENSATION DRAIN LINES TO PLUMBING TRAP PROVIDE FULL SIZE SECONDARY DRAIN PAN BENEATH EACH AIR HANDLER UNIT WITH FLOAT SAFETY DEVICE AT ALL EMERGENCY DRAIN LOCATIONS
4. FURNISH EACH UNIT WITH DUCT MOUNTED SMOKE DETECTOR AND FAN SHUTDOWN SWITCH
5. THERMOSTAT IS TO BE CHRONOTHERM DIGITAL PROGRAMMABLE AT ALL LOCATIONS
6. INSTALL DIRECT WIRED SMOKE SENSOR IN ORDER TO SHUT DOWN SYSTEM IN CASE OF FIRE
7. INSTALL ULTRA VIOLET LIGHT FILTER AT ALL AIR RETURN AIR LOCATIONS
8. INSULATED R-6 FLEX LINE MAY BE USED FOR FINAL CONNECTIONS TO CEILING BOXES WITH MAXIMUM LENGTH NOT TO EXCEED 60"
9. MECHANICAL CONTRACTOR TO PROVIDE RESIDENTIAL COOLING LOAD CALCULATIONS "RESCLC" TO OWNER PRIOR TO BEGINNING ANY WORK
10. MAKE PROVISIONS FOR FRESH AIR INTAKE TO MECHANICAL UNITS AS NEEDED
11. MECHANICAL CONTRACTOR TO PROVIDE RESCLC DATA FOR ENTIRE PROJECT PRIOR TO COMMENCING ANY WORK



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