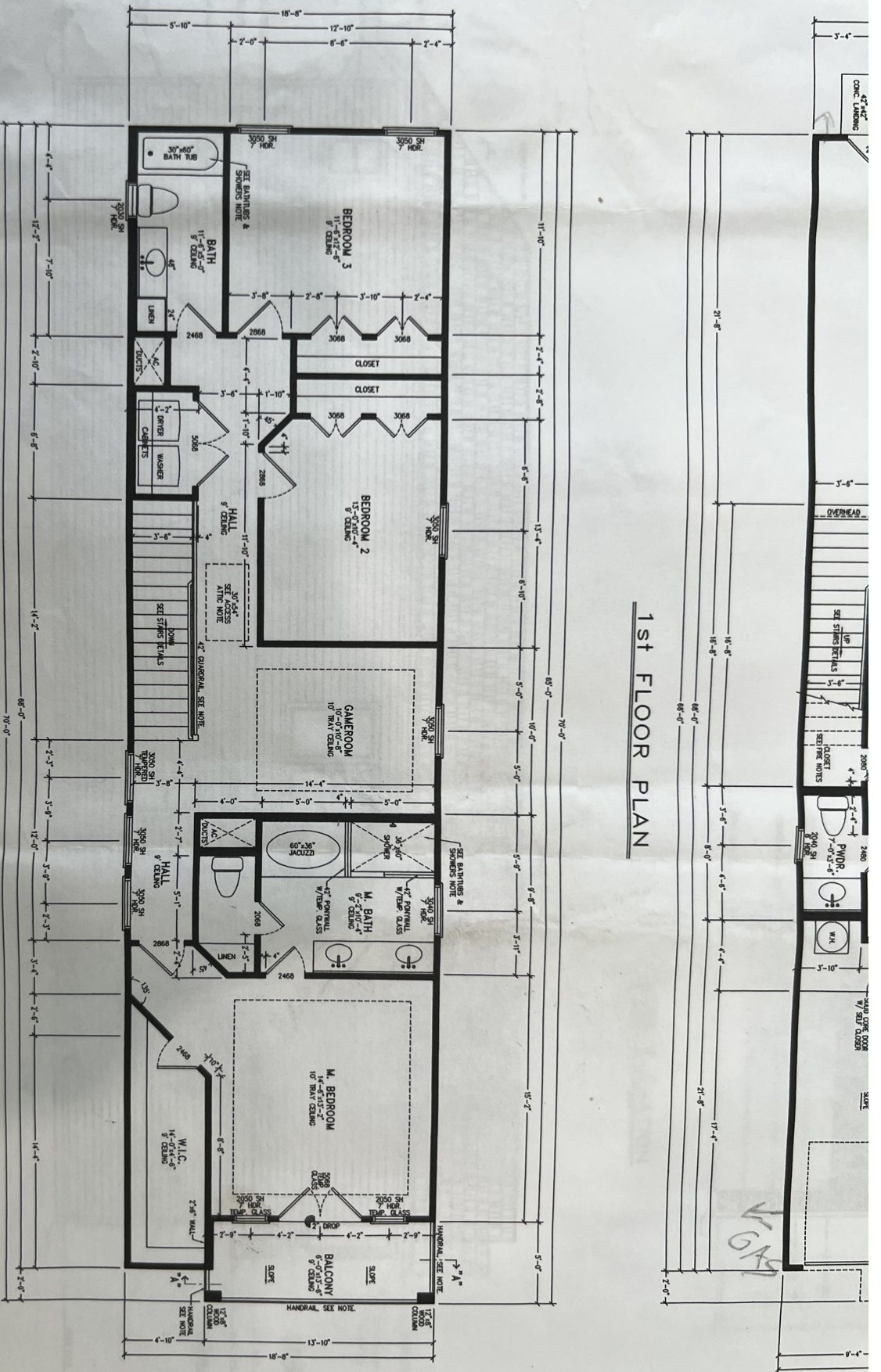


1st FLOOR PLAN



INSULATION & PENETRATION REQUIREMENTS BY COMPONENT 2015 IECC TABLE R402.1.2

CLIMATE ZONE 2 HARRIS COUNTY, TEXAS

| COMPONENT | WALLS | | ROOFS | | FLOORS | | GLAZING | | DOORS | | FOUNDATIONS | |
|-------------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|-------------|----------|
| | R-VALUE | U-FACTOR | R-VALUE | U-FACTOR | R-VALUE | U-FACTOR | R-VALUE | U-FACTOR | R-VALUE | U-FACTOR | R-VALUE | U-FACTOR |
| WALLS | 13 | 0.073 | 15 | 0.067 | 5 | 0.20 | 5 | 0.18 | 5 | 0.20 | 10 | 0.10 |
| ROOFS | | | 15 | 0.067 | 5 | 0.20 | 5 | 0.18 | 5 | 0.20 | 10 | 0.10 |
| FLOORS | | | 5 | 0.20 | 5 | 0.20 | 5 | 0.18 | 5 | 0.20 | 10 | 0.10 |
| GLAZING | | | | | 5 | 0.20 | 5 | 0.18 | 5 | 0.20 | 10 | 0.10 |
| DOORS | | | | | 5 | 0.20 | 5 | 0.18 | 5 | 0.20 | 10 | 0.10 |
| FOUNDATIONS | | | | | 10 | 0.10 | 10 | 0.10 | 10 | 0.10 | 10 | 0.10 |

2ND FLOOR PLAN

HANDRAIL SPECIAL NOTE
 HANDRAIL @ 3" ABOVE STAIR STEPS. HANDRAIL AND GUARDS SHALL BE DESIGNED TO RESIST A TOP & 10 TRANSFER THE LOAD THROUGH THE SUPPORTS TO THE STRUCTURE AND TO RESIST A SINGLE CONCENTRATED LOAD OF 200 LBS APPLIED IN ANY DIRECTION. INTERMEDIATE POSTS SHALL NOT BE SPACED AT MORE THAN 4 FT. ON BOWEN IN DIAMETER.