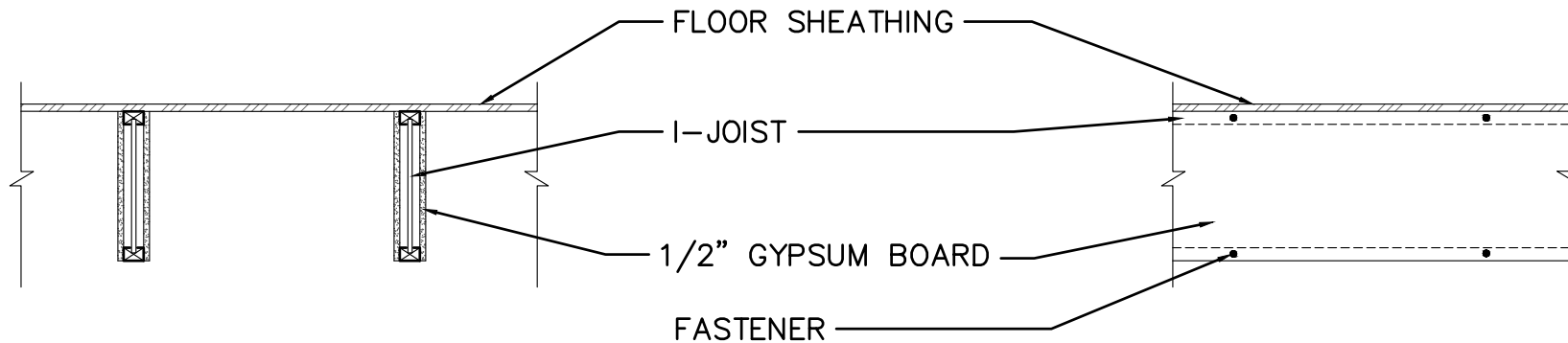


NOTE :

1. FLOOR SHEATHING INSTALLATION PER IRC SECTION R503.
2. I-JOIST SPACING 24" O.C. MAXIMUM, ALL FLANGE SIZES. MINIMUM 3/8" WEB THICKNESS.
3. ALL I-JOISTS SHALL MEET THE REQUIREMENTS OF ASTM D5055, AND BE INSTALLED AND CONSTRUCTED IN ACCORDANCE WITH THE BUILDING CODES, APA PRODUCT REPORTS, CODE EVALUATION REPORTS, AND MANUFACTURER'S RECOMMENDATIONS.
4. GYPSUM BOARD SHALL BE INSTALLED PER IRC SECTION R702.3. 1x3 (NOMINAL) WOOD FURRING STRIPS ARE PERMITTED TO BE INSTALLED PERPENDICULAR TO THE BOTTOM FLANGE OF THE I-JOISTS AT 16" O.C. PROVIDED:
 THE GYPSUM BOARD IS ATTACHED TO THE FURRING STRIPS USING 1-1/4" TYPE W DRYWALL SCREWS AT 12" O.C. GYPSUM BOARD NOT REQUIRED TO BE FINISHED WITH TAPE AND JOINT COMPOUND.
 OR 5/8" WOOD STRUCTURAL PANEL IS INSTALLED PER IRC SECTION R503.2 OR EQUIVALENT. WOOD STRUCTURAL PANELS NOT REQUIRED TO BE FINISHED WITH WOOD FILLER OR SANDED.
5. PENETRATIONS OR OPENINGS FOR DUCTS, VENTS, ELECTRICAL OUTLETS, LIGHTING, DEVICES, WIRES, PIPING AND SIMILAR OPENINGS OR PENETRATIONS SHALL BE PERMITTED.

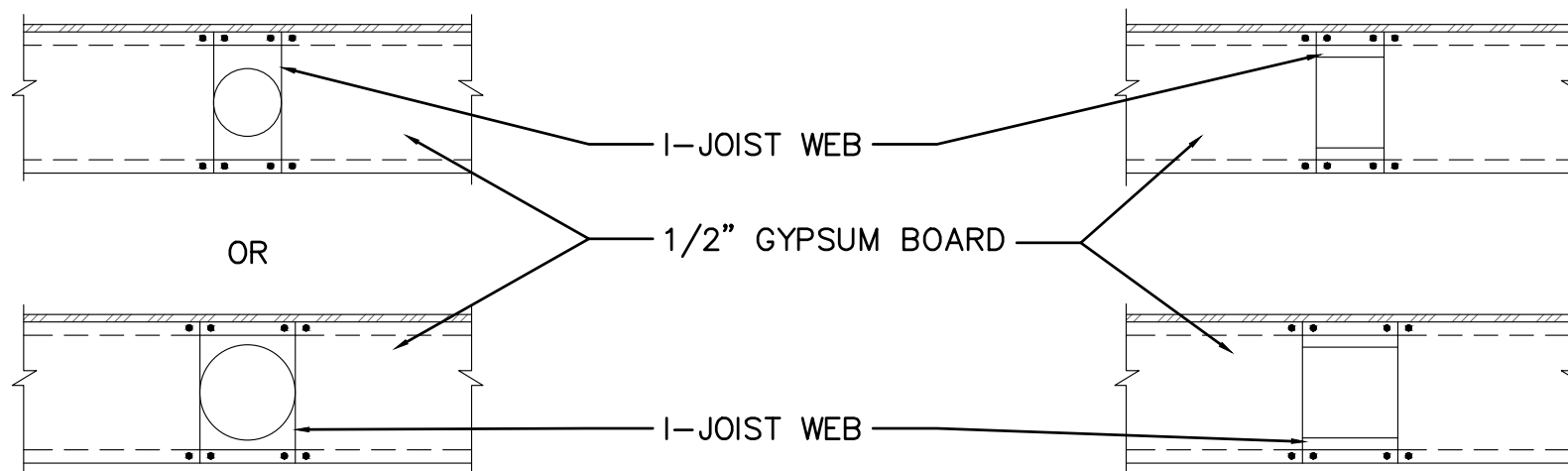


I-JOIST FIRE ASSEMBLY WITH GYPSUM BOARD AT BOTTOM FLANGE



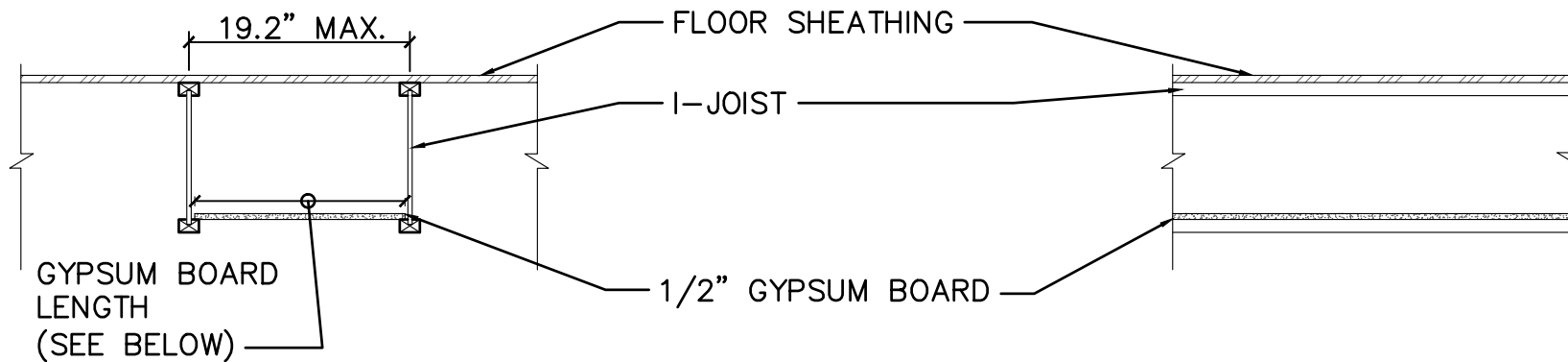
NOTE :

1. FLOOR SHEATHING INSTALLATION PER IRC SECTION R503.
2. I-JOIST SPACING 24" O.C. MAXIMUM, MINIMUM 1-1/8" x 1-3/4" WIDE FLANGE. MINIMUM 3/8" WEB THICKNESS.
3. ALL I-JOISTS SHALL MEET THE REQUIREMENTS OF ASTM D5055, AND BE INSTALLED AND CONSTRUCTED IN ACCORDANCE WITH THE BUILDING CODES, APA PRODUCT REPORTS, CODE EVALUATION REPORTS, AND MANUFACTURER'S RECOMMENDATIONS.
4. GYPSUM BOARD SHALL BE INSTALLED THE ENTIRE LENGTH OF I-JOIST PER IRC SECTION R702.3.1 TAPE AND JOINT COMPOUND NOT REQUIRED FOR FINISHING.
5. GYPSUM BOARD SHALL BE ATTACHED WITH MINIMUM 1" SCREWS (TYPE W OR TYPE S) OR NAILS INSTALLED 1/2" FROM EDGES, AND 1" FROM ENDS, AT 16" O.C., TOP AND BOTTOM. FASTENERS MAY BE STAGGERED FROM TOP AND BOTTOM.
6. PENETRATIONS OR OPENINGS FOR DUCTS, VENTS, ELECTRICAL OUTLETS, LIGHTING, DEVICES, WIRES, PIPING AND SIMILAR OPENINGS OR PENETRATIONS SHALL BE PERMITTED.



NOTE:

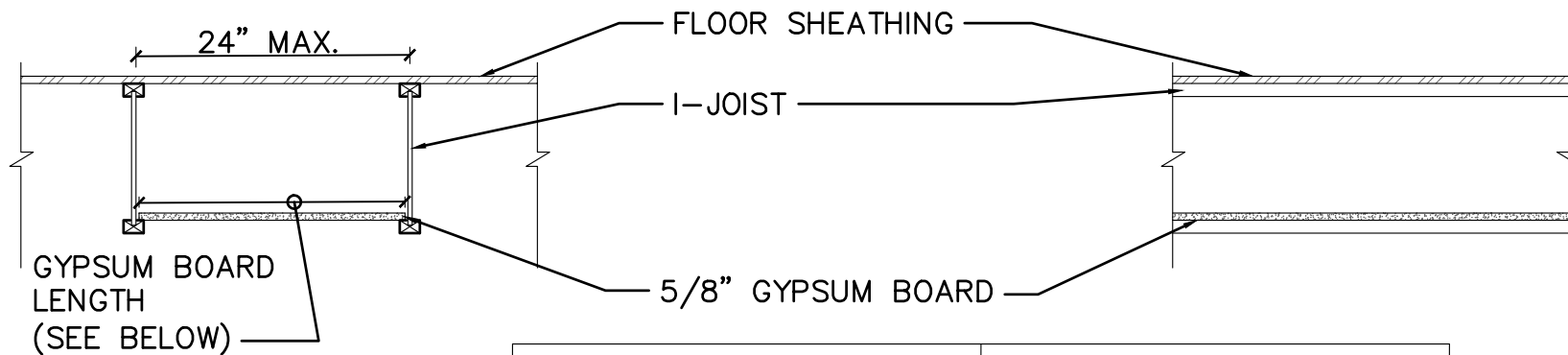
1. FLOOR SHEATHING INSTALLATION PER IRC SECTION R503.
2. I-JOIST SPACING 24" O.C. MAXIMUM, MINIMUM 1-1/8" x 1-3/4" WIDE FLANGE. MINIMUM 3/8" WEB THICKNESS.
3. ALL I-JOISTS SHALL MEET THE REQUIREMENTS OF ASTM D5055, AND BE INSTALLED AND CONSTRUCTED IN ACCORDANCE WITH THE BUILDING CODES, APA PRODUCT REPORTS, CODE EVALUATION REPORTS, AND MANUFACTURER'S RECOMMENDATIONS.
4. GYPSUM BOARD SHALL BE INSTALLED THE ENTIRE LENGTH OF I-JOIST PER IRC SECTION R702.3.1. TAPE AND JOINT COMPOUND NOT REQUIRED FOR FINISHING.
5. GYPSUM BOARD SHALL BE ATTACHED WITH MINIMUM 1" SCREWS (TYPE W OR TYPE S) OR NAILS INSTALLED 1/2" FROM EDGES, AND 1" FROM ENDS, AT 16" O.C., TOP AND BOTTOM. FASTENERS MAY BE STAGGERED FROM TOP AND BOTTOM. AT HOLES, FASTENERS SHALL BE INSTALLED 1/2" FROM THE EDGE AND 1" FROM THE END OF THE GYPSUM BOARD AND NO SPACING SHALL EXCEED 8" ABOVE OR BELOW THE HOLE.
6. PENETRATIONS OR OPENINGS FOR DUCTS, VENTS, ELECTRICAL OUTLETS, LIGHTING, DEVICES, WIRES, PIPING AND SIMILAR OPENINGS OR PENETRATIONS SHALL BE PERMITTED.



| JOIST SPACING (IN) | REQUIRED LENGTH FOR GYPSUM BOARDS (IN) |
|--------------------|--|
| 12 | 11-1/8± 1/8 |
| 16 | 15-1/8±1/8 |
| 19.2 | 18-3/8±1/8 |

NOTE :

1. GYPSUM BOARD LENGTHS SHOWN ABOVE PROVIDE AT LEAST A 1/4-INCH BEARING ON THE TOP OF THE BOTTOM FLANGE IN EACH I-JOIST AS INSTALLED. FOR OTHER JOIST SPACINGS, THE REQUIRED GYPSUM BOARD LENGTHS SHALL BE ADJUSTED SO THAT THE REQUIRED GYPSUM BOARD LENGTHS ARE DETERMINED BASED ON A FULL BEARING ON THE FLANGE AT ONE END OF THE JOIST SPACING, WHILE MAINTAINING AT LEAST A 1/4-INCH BEARING AT OTHER END. IF DOUBLE JOISTS ARE USED, THE REQUIRED GYPSUM BOARD LENGTHS SHALL BE REDUCED FROM THE TABLE ABOVE BY A LENGTH EQUAL TO THE FLANGE WIDTH.
2. FLOOR SHEATHING INSTALLATION PER IRC SECTION R503.
3. I-JOIST SPACING 19.2" O.C. MAXIMUM, MINIMUM 1-1/8" THICK BY 2" WIDE FLANGE. MINIMUM 3/8" WEB THICKNESS.
4. ALL I-JOISTS SHALL MEET THE REQUIREMENTS OF ASTM D5055, AND BE INSTALLED AND CONSTRUCTED IN ACCORDANCE WITH THE BUILDING CODES, APA PRODUCT REPORTS, CODE EVALUATION REPORTS, AND MANUFACTURER'S RECOMMENDATIONS.
5. GYPSUM BOARD SHALL BE LIGHTWEIGHT OR NORMAL WEIGHT (NOMINAL 1.5 PSF MINIMUM) MEETING ASTM C1396 SECTION 5. INSTALL ON THE TOP OF THE BOTTOM FLANGE OF I-JOISTS. MECHANICAL FASTENERS OR ADHESIVE ATTACHMENT TO THE TOP OF THE BOTTOM FLANGE IS NOT REQUIRED.
6. PENETRATIONS OR OPENINGS FOR DUCTS, VENTS, ELECTRICAL OUTLETS, LIGHTING, DEVICES, WIRES, PIPING AND SIMILAR OPENINGS OR PENETRATIONS SHALL BE PERMITTED.

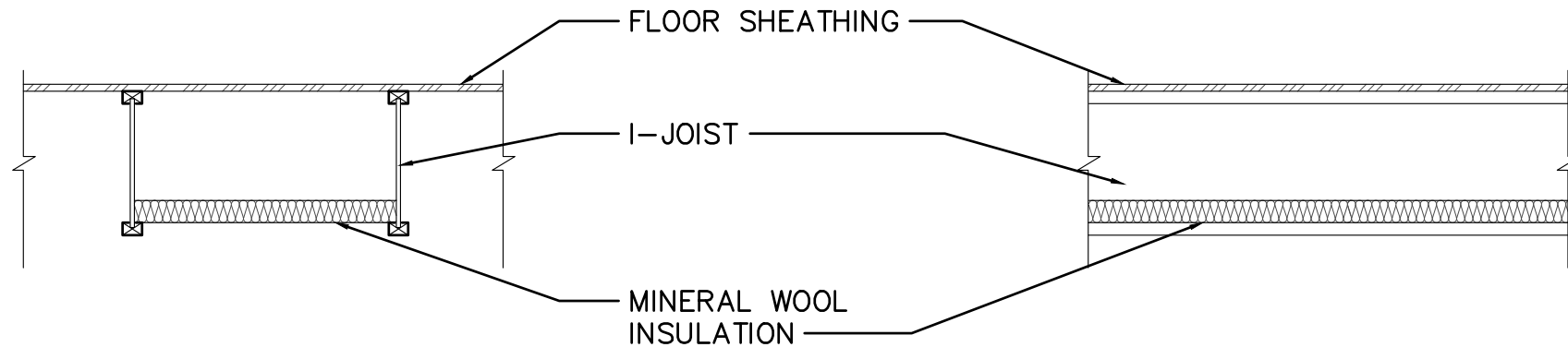


| JOIST SPACING (IN) | REQUIRED LENGTH FOR GYPSUM BOARDS (IN) |
|--------------------|--|
| 12 | 11-1/8± 1/8 |
| 16 | 15-1/8±1/8 |
| 19.2 | 18-3/8±1/8 |
| 24 | 23-1/8±1/8 |

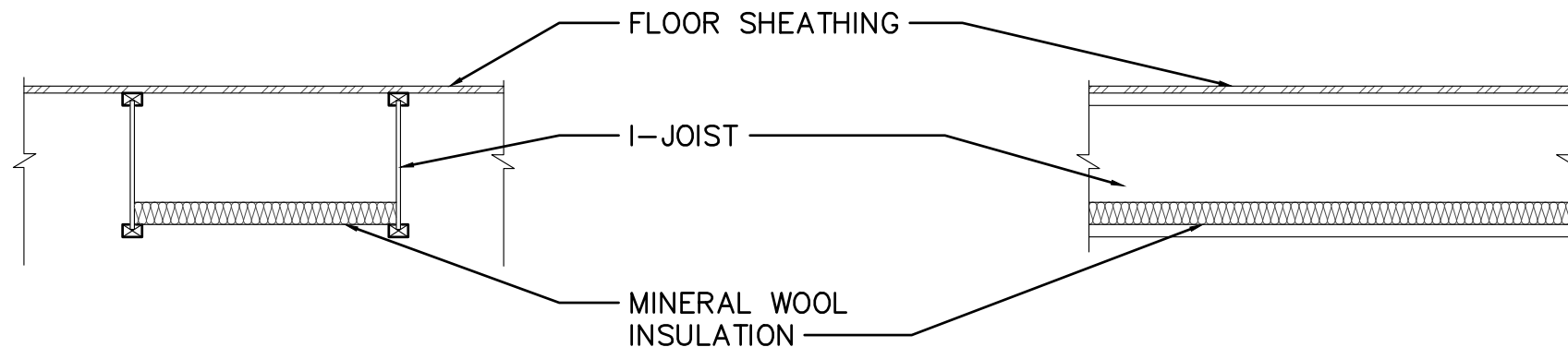
NOTE :

1. GYPSUM BOARD LENGTHS SHOWN ABOVE PROVIDE AT LEAST A 1/4-INCH BEARING ON THE TOP OF THE BOTTOM FLANGE IN EACH I-JOIST AS INSTALLED. FOR OTHER JOIST SPACINGS, THE REQUIRED GYPSUM BOARD LENGTHS SHALL BE ADJUSTED SO THAT THE REQUIRED GYPSUM BOARD LENGTHS ARE DETERMINED BASED ON A FULL BEARING ON THE FLANGE AT ONE END OF THE JOIST SPACING, WHILE MAINTAINING AT LEAST A 1/4-INCH BEARING AT OTHER END. IF DOUBLE JOISTS ARE USED, THE REQUIRED GYPSUM BOARD LENGTHS SHALL BE REDUCED FROM THE TABLE ABOVE BY A LENGTH EQUAL TO THE FLANGE WIDTH.
2. FLOOR SHEATHING INSTALLATION PER IRC SECTION R503.
3. I-JOIST SPACING 24" O.C. MAXIMUM, MINIMUM 1-1/8" THICK BY 2" WIDE FLANGE. MINIMUM 3/8" WEB THICKNESS.
4. ALL I-JOISTS SHALL MEET THE REQUIREMENTS OF ASTM D5055, AND BE INSTALLED AND CONSTRUCTED IN ACCORDANCE WITH THE BUILDING CODES, APA PRODUCT REPORTS, CODE EVALUATION REPORTS, AND MANUFACTURER'S RECOMMENDATIONS.
5. GYPSUM BOARD SHALL BE LIGHTWEIGHT OR NORMAL WEIGHT (NOMINAL 1.9 PSF MINIMUM) MEETING ASTM C1396 SECTION 5. INSTALL ON THE TOP OF THE BOTTOM FLANGE OF I-JOISTS. MECHANICAL FASTENERS OR ADHESIVE ATTACHMENT TO THE TOP OF THE BOTTOM FLANGE IS NOT REQUIRED.
6. PENETRATIONS OR OPENINGS FOR DUCTS, VENTS, ELECTRICAL OUTLETS, LIGHTING, DEVICES, WIRES, PIPING AND SIMILAR OPENINGS OR PENETRATIONS SHALL BE PERMITTED.





- NOTE:
1. FLOOR SHEATHING INSTALLATION PER IRC SECTION R503.
 2. I-JOIST SPACING 24" O.C. MAXIMUM, MINIMUM 1-1/8"x2" WIDE FLANGE. MINIMUM 3/8" WEB THICKNESS.
 3. ALL I-JOISTS SHALL MEET THE REQUIREMENTS OF ASTM D5055, AND BE INSTALLED AND CONSTRUCTED IN ACCORDANCE WITH THE BUILDING CODES, APA PRODUCT REPORTS, CODE EVALUATION REPORTS, AND MANUFACTURER'S RECOMMENDATIONS.
 4. MINERAL WOOL SHALL BE ROCKWOOL SAFE'n'SOUND MINIMUM 2.5 LB/FT³ (NOMINAL) AND 3" THICK MADE OF ROCK OR FURNACE SLAG (ASTM C665 TYPE T COMPLIANT). INSTALL WITHOUT GAPS BETWEEN INDIVIDUAL BATTS AS SHOWN WITH STAY WIRE INSULATION SUPPORTS, SPACED NO MORE THAN 24" APART AND NO MORE THAN 4" FROM THE ENDS OF BATTS. USE 15.25", 18.5" AND 23" WIDE BATTS WHEN I-JOIST SPACING IS 16", 19.2" AND 24" O.C. RESPECTIVELY.
 5. PENETRATIONS OR OPENINGS FOR DUCTS, VENTS, ELECTRICAL OUTLETS, LIGHTING, DEVICES, WIRES, PIPING AND SIMILAR OPENINGS OR PENETRATIONS SHALL BE PERMITTED.



- NOTE:
1. FLOOR SHEATHING INSTALLATION PER IRC SECTION R503
 2. I-JOIST SPACING 19.2" O.C. MAXIMUM, MINIMUM 1-1/8"x1-3/4" WIDE FLANGE. MINIMUM 3/8" WEB THICKNESS.
 3. ALL I-JOISTS SHALL MEET THE REQUIREMENTS OF ASTM D5055, AND BE INSTALLED AND CONSTRUCTED IN ACCORDANCE WITH THE BUILDING CODES, APA PRODUCT REPORTS, CODE EVALUATION REPORTS, AND MANUFACTURER'S RECOMMENDATIONS.
 4. MINERAL WOOL SHALL BE MINIMUM 2.0 LB/FT³ (NOMINAL) AND 2" THICK. INSTALL WITHOUT GAPS BETWEEN INDIVIDUAL BATTS AS SHOWN WITH STAY WIRE INSULATION SUPPORTS, SPACED NO MORE THAN 24" APART AND NO MORE THAN 4" FROM THE ENDS OF BATTS. USE 15.25" AND 18.5" WIDE BATTS WHEN I-JOIST SPACING IS 16" AND 19.2" O.C. RESPECTIVELY.
 5. PENETRATIONS OR OPENINGS FOR DUCTS, VENTS, ELECTRICAL OUTLETS, LIGHTING, DEVICES, WIRES, PIPING AND SIMILAR OPENINGS OR PENETRATIONS SHALL BE PERMITTED.