



SPECIFICATIONS & DETAILS

INSULATED CONSTRUCTION PANELS

www.alakakit.com
1801 E DOWLING RD SUITE 302 A
ANCHORAGE, AK 99507
Phone (907)677-2817
Call Toll Free 1-877-677-2817

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11/14/10
COVER

SPECIFICATION & DETAILS

INSULATED CONSTRUCTION PANELS HELP YOU SAVE TIME, MONEY

- A. FASTER AND EASIER TO WORK WITH COMPARED TO STICK FRAMING
- B. PANELS ARE TOTALLY RECYCLABLE AND LEAVES MINIMAL WASTE AT THE JOB SITE COMPARED TO WOOD FRAMING
- C. NO VAPOR BARRIER REQUIRED
- D. LIGHT WEIGHT REDUCES SHIPPING COSTS
- E. EXTREMELY ENERGY EFFICIENT PANELS ARE NORMALLY
- F. FINISHED WITH CUSTOMER SELECTED SIDING MATERIALS AND SHEET ROCK (GYPSUM BOARD) ON SIDE WALLS.

PANELS ARE SOLD INDIVIDUALLY AND AS PANEL PACKAGES FOR CONSTRUCTING HOMES OR BUILDINGS.

COMPLETE HOME CONSTRUCTION MATERIAL PACKAGES CAN BE PROVIDED. MATERIAL PACKAGES DO NOT INCLUDE FOUNDATION, PORCHES, DECKS, RAILINGS OR STEPS

ALAKAKIT BUILDING SYSTEMS INSULATED CONSTRUCTION PANELS UTILIZE THE POWER OF COMPOSITE TECHNOLOGY. OUR PANELS ARE CONSTRUCTED USING STRUCTURAL GRADE, OPPOSING DOUBLE GALVANIZED STEEL FRAMING MEMBERS WITH RIDGED FIRE RETARDANT MODIFIED EXPANDED POLYSTYRENE RESIN, (EPS) BONDED TO THE STEEL FRAMES. THIS FORMS A LIGHT WEIGHT THERMALLY BROKEN COMPOSITE BUILDING COMPONENT.

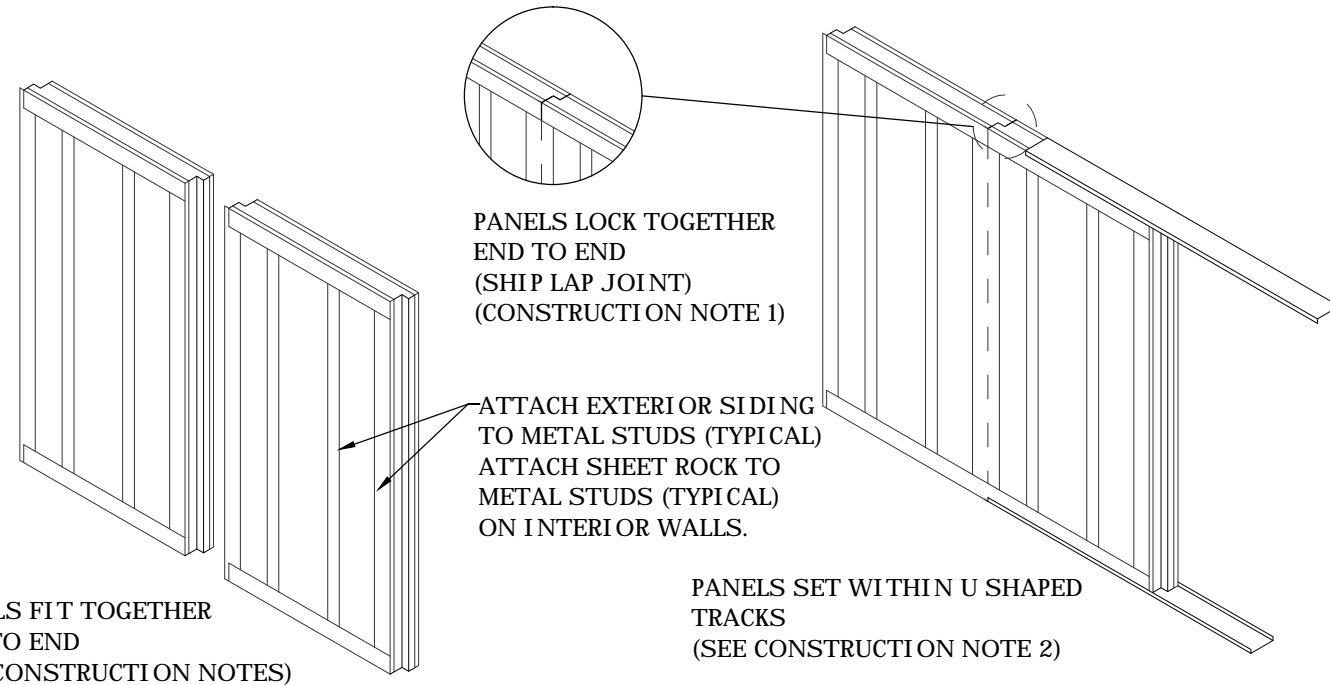
THIS COMPOSITE TECHNOLOGY PROVIDES FOR STRUCTURAL FRAMING, INSULATION AND A VAPOR BARRIER IN ONE FAST HIGH TECH STEP.

INSULATED CONSTRUCTION PANELS MAY BE USED FOR EXTERIOR AND INTERIOR WALLS, PARTITIONS, FLOORS, CEILINGS AND ROOFS.

PANEL PACKAGES COME WITH MOUNTING HARDWARE, FASTING DEVICES, SCREWS AND INSTRUCTIONS.

COMBINATIONS OF PANELS ARE SCREWED TOGETHER TO FORM A UNIQUE HIGH PERFORMANCE ENERGY SHELL THAT IS LIGHT WEIGHT, FAST TO ASSEMBLE AND EXTREMELY STRONG HAVING SUPERIOR THERMAL PROPERTIES.

ALAKAKIT BUILDING SYSTEM PANELS ARE 20% MORE INSULATIVE THAN ANY COMPARABLE STICK FRAME WITH FIBERGLASS INSULATION.



INSULATED PANEL THERMAL PROPERTIES

3 -1/2"	=R-16
5 -1/2"	=R-24
7 -1/2"	=R-34
9 -1/2"	=R-44

STICK FRAME & FIBERGLASS BATTING

2" X 4"	=R-11
2" X 6"	=R-19
2" X 8"	=R-24

INSULATED PANEL SOUND PROPERTIES

TENANT WALL = STC-51

CERTIFICATIONS

MANUFACTURE PERFORMERS NUMEROUS TESTS TO MAINTAIN ITS COMPETITIVE EDGE. THIRD PARTY ENGINEERING COMPLIANCE IS A REQUIREMENT FOR MAINTAINING OUR LISTINGS WITH **ICBO, BOCA, SBCCI, HUD AND FEMA.**

PANEL MANUFACTURER

THERMASTEEL CORPORATION
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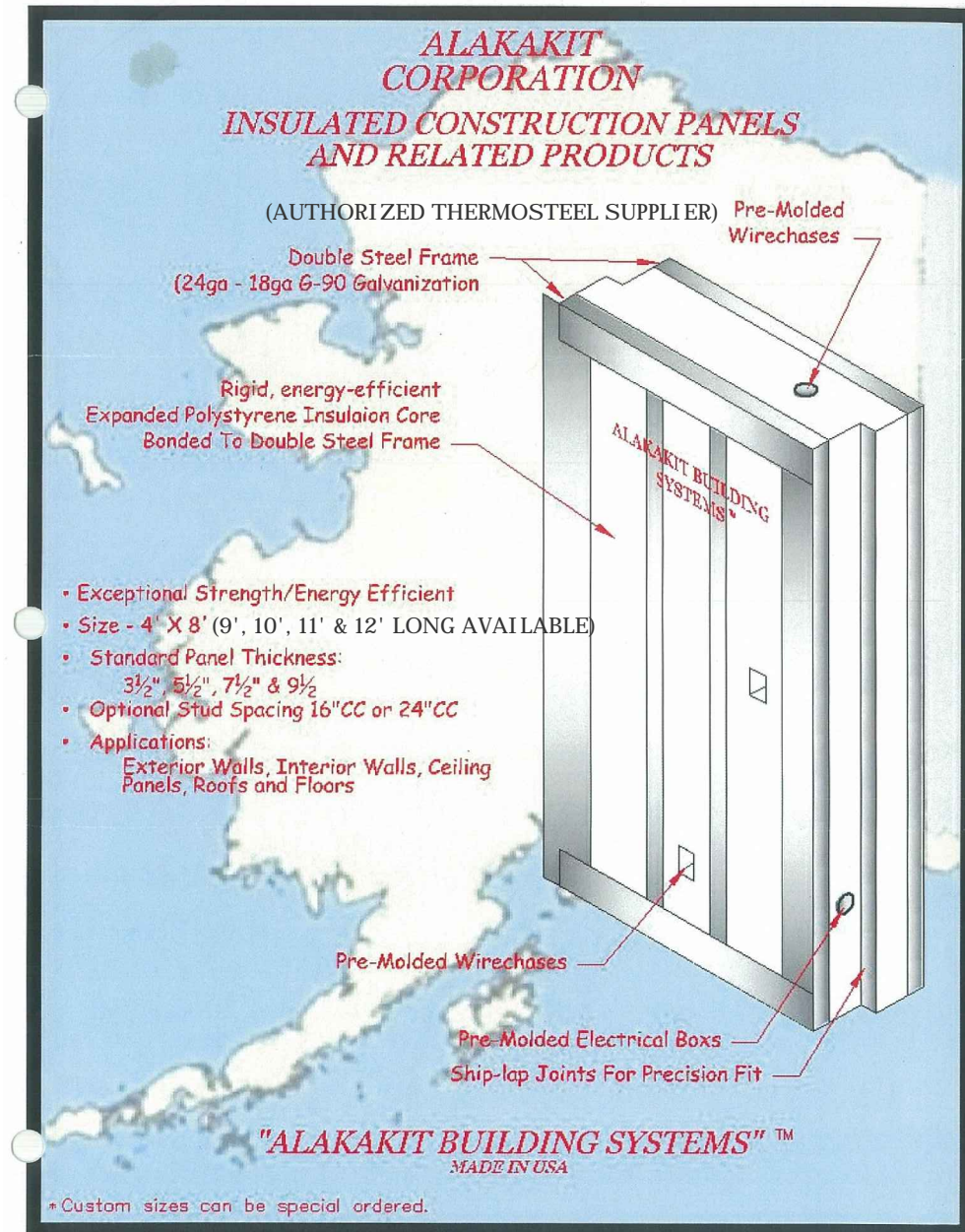
CONSTRUCTION NOTES:

1. PANELS ARE JOINED TOGETHER AND FASTENED WITH SCREWS
2. MOUNTING TRACKS ARE SECURED TO THE SUBFLOOR AND TOP PLATE WITH SCREWS OR NAILS DEPENDING ON LOCAL CODES.
3. PANELS ARE JOINED AND SCREWED TO THE TRACKS
4. OPENING FOR DOORS AND WINDOWS ARE CUT AT THE FACTORY OR IN THE FIELD AS NEEDED
5. PANELS ARE MANUFACTURED 4' WIDE X 8' LONG IN VARIOUS THICKNESSES
PANELS CAN BE MADE 9', 10', 11', AND 12' LONG
6. FACTORY FORMED HORIZONTAL ELECTRICAL WIRE CHASES PROVIDED ON STANDARD PANELS IF REQUIRED.

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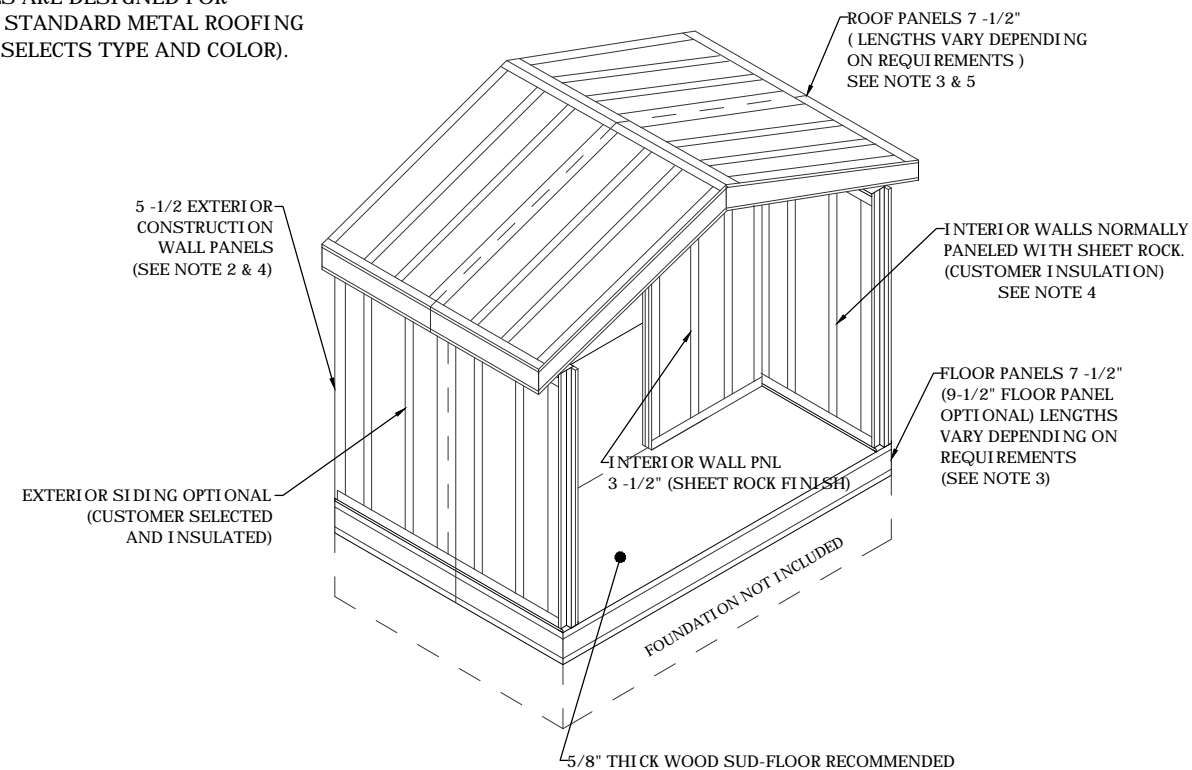
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NOTES:

1. FACTORY FORMED ELECTRICAL WIRE CHASES AND BOX OPENINGS SHOWN CAN BE PROVIDED WITH PANELS ON SPECIAL ORDER. (HORIZONTAL WIRE CHASES ARE PROVIDED STANDARD IF REQUIRED).
2. THICKER WALL AND FLOOR PANELS 7 -1/2" OR 9 -1/2" OPTIONAL. (5 -1/2" STANDARD PANEL).
3. PANELS ARE AVAILABLE IN 8', 9', 10', 11' & 12' LENGTHS. (8' LONG STANDARD)
4. PANELS ARE DESIGNED FOR ATTACHING
 - A. EXTERIOR SIDING (CUSTOMER SPECIFIES SIDING).
 - B. INTERIOR SHEET ROCK (1/2" THICK OR GREATER REQUIRED).
5. ROOF PANELS ARE DESIGNED FOR ATTACHING STANDARD METAL ROOFING (CUSTOMER SELECTS TYPE AND COLOR).



TYPICAL PANEL CONSTRUCTION

PANEL MANUFACTURER

THERMSTEEL CORPORATION
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(NOTE: FINISHED CONSTRUCTION INCLUDED EXTERNAL SIDING AND SHEET ROCK INTERIOR WALL COVERING.)



COMPLETED ANCHORAGE HOUSE
THERMASTEEL PANELS



ANCHORAGE HOUSE DURING CONSTRUCTION ON
THERMASTEEL WALL AND ROOFING PANELS

THERMASTEEL PANEL STUDS (TYPICAL)
NOTE: STUDS ARE STAGGERED TO PREVENT
THERMO TRANSFER THROUGH WALL STUDS.)



TYPICAL HOUSE CONSTRUCTION ON
THERMASTEEL PANELS



KATRINA HOMES-BUILT AFTER HURRICANES
THERMASTEEL PANELS

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COMPLETED HOTEL COMPLEX
THERMASTEEL PANELS



ATTACH EXTERNAL SIDING ON
FASCIA TO THERMASTEEL PANEL STUDS.

HOTEL COMPLEX DURING CONSTRUCTIONS
THERMASTEEL PANELS



ATTACH EXTERNAL SIDING TO
THERMASTEEL PANEL STUDS

HOUSE DURING CONSTRUCTION
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