

I.B.P. FIELD ASSEMBLED WALL PANELS TECHNICAL SUPPORT SPECIFICATIONS

1. WORK INCLUDED:

- a. Furnish and install insulated Metal Wall Panels as manufactured by I.B.P., Inc., on structural steel frame where indicated on drawings.
 - b. Contractor shall furnish all materials, erection labor, and means of construction required in execution of this work in accordance with plans and specifications.

2. WORK NOT INCLUDED:

Structural steel supports, and any or all miscellaneous iron members for siding attachment.

3. WALL MATERIAL:

a. Facing Units for Field Assembled Wall:

- (1) Interior wall units shall be () – gage galvanized steel. Units shall be single-rib design formed in unit width of 24” with 1 1/2” ribs. One side of unit shall have a male rib, the other side shall have a female rib, to provide an interlocking joint between units that shall present flush inside wall surface.
- (2) Exterior wall units shall be () B & S gage aluminum (mill finish) (embossed finish), () – gage galvanized steel and shall be press brake formed with 1 1/2” interlocking ribs in (flush) (ribbed) (fluted) pattern, IBP Profile No. ().

b. Assembly Details:

- (1) Maximum lengths. Contractor shall furnish formed units of sufficient length to eliminate horizontal joints in finished wall surface.
- (2) Sub-girts shall be 1/2” x 2 7/8” 18 ga. galvanized pressed metal sub-girts placed at right angles to ribs of interior wall units and spaced at approximately 4’-0” centers.
- (3) Caulking in female interlocking ribs of Interior Wall Units shall be wall manufacturer’s approved caulking compound and shall be factory applied to sufficient depth to insure a sealed joint when erected.
- (4) Flashing at all sills and lintels, including sill at base of insulated Metal Wall, shall be of the same material and gage specified for Exterior Wall Units.
- (5) Jamb Closures at sash and door openings shall be as detailed on drawings and of the same material and gage specified for Exterior Wall Units.
- (6) Corner Flashing for inside and outside corners of exterior wall surface shall be of the same material and the same gage as specified for Exterior Wall Units.
- (7) Fasteners – All interior and exterior sheets shall be secured with #12-14 cadmium plated box head self-drilling tek.

- (8) Available on request on all exterior finished panels is a plastic strippable coating which will be applied after painting to protect exterior surface from scratches during fabricating and erection.

4. TECHNICAL DATA:

- a. Insulation shall be glass-fiber batts, 1 ½” thick yielding .14 “U” value. “U” values to .06 are obtainable by varying depth of liner and thickness of batt of insulation.
- b. Air infiltration – in accordance with NAAM-TM-1-68-T (air infiltration) by independent testing laboratory, panel systems achieved a 0.003 cubic feet per minute per square foot of overall face area.
- c. Water penetration – no evidence of water penetration of the interior face.

5. ERECTION

- a. Industrial Building Panels, shall be fully responsible for all necessary installation of metal panels and related flashing as designated in general specification.
- b. Work will be performed by trained mechanics under direct employed supervision of Industrial Building Panels.
- c. All panels shall be erected with flutes, ribs of sheet running vertically. Panels shall be rigidly attached to structural steel supporting members with bolts, clips, welds, or other methods approved by the architect.
- d. Space sub-girts horizontally approximately 4’ – 0” on centers and attach them securely to ribs of interior sheets.
- e. Joint sealing and caulking shall be butyl sealant (non-hardening type) which shall be factory applied to interior sheet prior to erection. All flashing and exterior covers requiring a caulked condition shall be done in a neat manner with excess sealant removed from exposed surfaces.
- f. After erection all left over materials and debris shall be removed from the job site.