Concrete pads shall include the construction of 6" thick Portland Concrete cement pads and the sub grade therefore. Construction of concrete pads and curbing shall be identical to that used for concrete sidewalks. The Contractor shall excavate the existing materials so that the concrete pad can be placed such that the last layer will be at existing grade. Any edges of existing pavement that the concrete pad meets will be filled or cut so that the edges are straight and clean.
SHELTER ON-SITE INSTALLATION INSTRUCTIONS

Customer:
Wall sections are marked as follows: RIGHT SIDE, RIGHT REAR, LEFT SIDE, LEFT REAR and WIDESCREEN (optional). A wall section may have one or more panels, depending on shelter model. Wall sections must be installed with the glazed panels flush to the outside of the shelter. Concrete surface should be level with a maximum of 3” vertical variation.

CONNECTING WALL SECTIONS (Fig. 1)
Start with right side and right rear wall sections. Set vertical posts into anchor flanges with flanges oriented as shown in drawing. Engage top and bottom horizontal mullions of rear wall section over “U” channels at top and bottom of rear corner post of side wall. Drill through top and bottom horizontal mullion of rear wall section into the “U” channels with a “G” size drill bit (.257” dia.). Locate holes approx. as shown in Fig. 1. Fasten with supplied 1/4” x 3/8” drive rivets, driving rivets with hammer. Repeat for balance of wall sections and the front top horizontal mullion. If windscreen is included, attach two top front horizontal mullions to both sides of windscreen and front top corners of side wall sections. With a pop rivet gun, secure vertical panel sub-frames to all vertical posts where wall sections are field connected with supplied short 3/16” dia. (#64) pop rivets. (Note: It is not required to chase holes into vertical posts for these rivets – posts are factory slotted to readily accept rivets for fast field installation).

ROOF (all styles except Historical): Fig. 2, 3, 4, or 5
Set roof assembly onto wall sections. Make sure the majority of the drain holes inside roof fascia are towards rear of the shelter. From inside shelter, chase through pre-drilled holes on inside lip of roof fascia into the top horizontal mullions of wall sections, including top front horizontal mullion. Use #11 drill bit (.191” dia.). Fasten with supplied long 3/16” dia. (#68) pop rivets.

ROOF (Historical only): Fig. 6
Set roof assembly onto wall sections. Make sure the majority of the drain holes inside roof fascia are towards rear of the shelter. Align perimeter of inside roof frame to perimeter of top wall headers. From inside of shelter attach 1/4” x 3” roof connecting plate to wall headers and roof frame using #12 x 1 1/4” TEK (self drilling) screws approx. 18” O.C. (4 sides)

LEVELING SHELTER:
With shelter in correct location on concrete surface, put bubble leveler on bottom horizontal mullions. If surface is not level, shim shelter to a maximum of 3” vertically with wedges, bumper jack, etc. to obtain and hold level position. Chase through two pre-drilled holes on each anchor flange into vertical posts with a “G” drill bit (.257” dia.). Fasten with supplied 1/4” x 1/2” drive rivets, two per flange. Remove leveling devices.

SECURING TO CONCRETE SURFACE: Fig. 7, 8, 9
Make sure all wall sections are plumb and square. Mark concrete surface through anchor flange holes. Drill ½” dia. holes into concrete surface. An electric drill hammer is required. Hammer supplied ½” dia. expansion bolts into holes leaving no less that ¾” exposed thread above surface. Secure with supplied washers and nuts turning nuts till tight. Peen exposed thread.

BENCH / BACKREST:
See Fig. 10 for securing bench / backrest.

Three Grunwald St. Clifton, NJ 07013
Tel: 973-614-1800 – 1-800-603-6635 – Fax 973-614-8011
Web: www.handi-hut.com – E-mail: staff@handi-hut.com
1/4" DRIVE RIVET LOCATE APPROX. AS SHOWN
HORIZONTAL FRAME MEMBER (HEADER)
ALUM. TUBE 2.5" X 2.5" X 1/8"

"U" CLIP CONNECTOR FACTORY INSTALLED
WALL PANEL PVC GASKET—FACTORY INSTALLED
"RIGHT REAR" WALL

WALL PANEL GLAZING FACTORY INSTALLED
1/4" DRIVE RIVET LOCATE APPROX. AS SHOWN
WALL PANEL SUB-FRAME
"U" CLIP CONNECTOR FACTORY INSTALLED

HORIZONTAL FRAME MEMBER
ALUM. TUBE 2.5" X 2.5" X 1/8"
1/4" DRIVE RIVET

VERTICAL FRAME MEMBER
ALUM. TUBE 2.5" X 2.5" X 1/8" OR INTERMEDIATE MULLION
ALUM. TUBE 2.5" X 1.5" X 1/8"

1/4" RIVETS OR #12 TEK SCREWS FACTORY INSTALLED
"RIGHT SIDE" WALL

VIEW FROM FRONT OF SHELTER

WALL PANEL CONNECTION DETAIL
TYPICAL FOR ALL WALL PANEL CONNECTIONS

FIG. 1

handi-hut inc.
3 GRUNWALD ST. CLIFTON, NJ 07013
973-614-1800 FAX: 973-614-8011
DOME CLAMPING BAR
FACTORY INSTALLED

FASCIA CORNER KEY

5/16" SELF TAPPING COATED SCREWS
18" O.C. APPROX. FACTORY INSTALLED

1/8" X 1" FOAM TAPE
CONTINUOUS ALL SIDES
FACTORY INSTALLED

1/4" THERMO FORMED ACRYLIC DOME
FACTORY INSTALLED

SILICONE
FACTORY APPLIED

3/16" DIA. X #68 RIVETS, 18" O.C. FIELD INSTALLED
(CHASE 3/16" DRILL THRU EXISTING HOLES IN ROOF FASCIA)
(AL AROUND)

2.5" X 2.5" X 1/8" TOP HEADER

ROOF WEEP (DRAIN) HOLES
ORIENT TO REAR OF SHELTER

DOME ROOF ATTACHMENT DETAIL

FIG. 2
FIG. 3

STANDING SEAM ROOF ATTACHMENT DETAIL

3" ROOF FASCIA

3/16" DIA. X #68 RIVETS, 16" O.C. FIELD INSTALLED
(CHASE 3/16" DRILL THRU EXISTING HOLES IN ROOF FASCIA)
(ALL AROUND)

2.5" X 2.5" X 1/8" TOP HEADER

1" X 8" X 1" ALUMINUM DECKING FACTORY INSTALLED

ROOF WEEP (DRAIN) HOLES ORIENT TO REAR OF SHELTER

3 GRUNWALD ST. CLIFTON, NJ 07013
handi-hut inc.  973-614-1800 FAX: 973-614-8011
PRESSURE CAP & BEAUTY CAP
FACTORY INSTALLED

1/4" TWIN WALL POLYCARBONATE ROOF GLAZING

BASE GLAZING
FACTORY INSTALLED

1" x 8" 1" ALUMINUM DECKING
(HISTORICAL ROOF ONLY)

3/16" DIA. X #68 RIVETS, 18" O.C. FIELD INSTALLED
(CHASE 3/16" DRILL THRU EXISTING HOLES IN ROOF FASCIA)
(ALL AROUND)

2.5" x 2.5" x 1/8" TOP HEADER

BARREL OR POLY-HIP
ROOF ATTACHMENT DETAIL

6" FASCIA

FIG. 4

handi-hut inc.
FIG. 5

PRESSURE CAP & BEAUTY CAP FACTORY INSTALLED

1/4" TWIN WALL POLYCARBONATE ROOF GLAZING FACTORY INSTALLED

3" ROOF FASCIA

BASE GLAZING FACTORY INSTALLED

3/16" DIA. X #68 RIVETS, 18" O.C. FIELD INSTALLED (CHASE 3/16" DRILL THRU EXISTING HOLES IN ROOF FASCIA) (ALL AROUND)

2.5" X 2.5" X 1/8" TOP HEADER

ROOF WEEP (DRAIN) HOLES ORIENT TO REAR OF SHELTER

BARREL OR POLY-HIP ROOF ATTACHMENT DETAIL

3" FASCIA

3 GRUNWALD ST. CLIFTON, NJ 07013
handi-hut inc. 973-614-1800 FAX: 973-614-8011
FIG. 9

SHELTER LEG

1/4" DIA X 1/2" DRIVE RIVETS

FLANGED BASE

PEEN EDGE

DIMENSION VARIATES FOR SHELTER LEVELING

CONCRETE PAD OR FOOTING

1/2" RED HEAD TRUBOLT WEDGE ANCHOR

1/2" DRILL

ANCHOR DETAIL (CENTER POSTS)
1. ATTACH SIDE SUPPORT BRACKETS TO BOTTOM HORIZONTAL TUBES OF SIDE WALLS. REAR OF SUPPORT BRACKET SHOULD BE 2.5" FROM THE VERTICAL CORNER POST. DRILL HOLES INTO HORIZONTAL TUBES (1/4" BIT). ATTACH SUPPORT BRACKET WITH (1/4" X 3/8" DRIVE RIVETS.

2. POSITION THE (2) BENCH SECTIONS ONTO THE SIDE SUPPORT BRACKETS AT LOCATION SHOWN AND DRILL HOLES INTO THE UNDERSIDE OF EACH SECTION WITH A #11 BIT. ATTACH SECTIONS WITH 3/16 (#68) POP RIVETS.

3. FOR SHELTERS WITH FOUR OR MORE REAR WALL PANELS, POSITION THE CENTER SUPPORT BRACKET TO THE REAR WALL VERTICAL MULLION AND ATTACH WITH (8) 1/4" X 3/8" DRIVE RIVETS. ATTACH THE BENCH SECTIONS AS DESCRIBED IN STEP 2.
# Shelters for Hidalgo and Cameron County 2010

## Cameron County

<table>
<thead>
<tr>
<th>City</th>
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<tbody>
<tr>
<td>Santa Rosa</td>
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<tr>
<td>La Feria</td>
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<tr>
<td>Primera</td>
<td>3</td>
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<tr>
<td>San Benito</td>
<td>10</td>
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<tr>
<td>Harlingen</td>
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## Hidalgo County

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<tr>
<td>San Juan</td>
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