

## Hinged Wall Panel

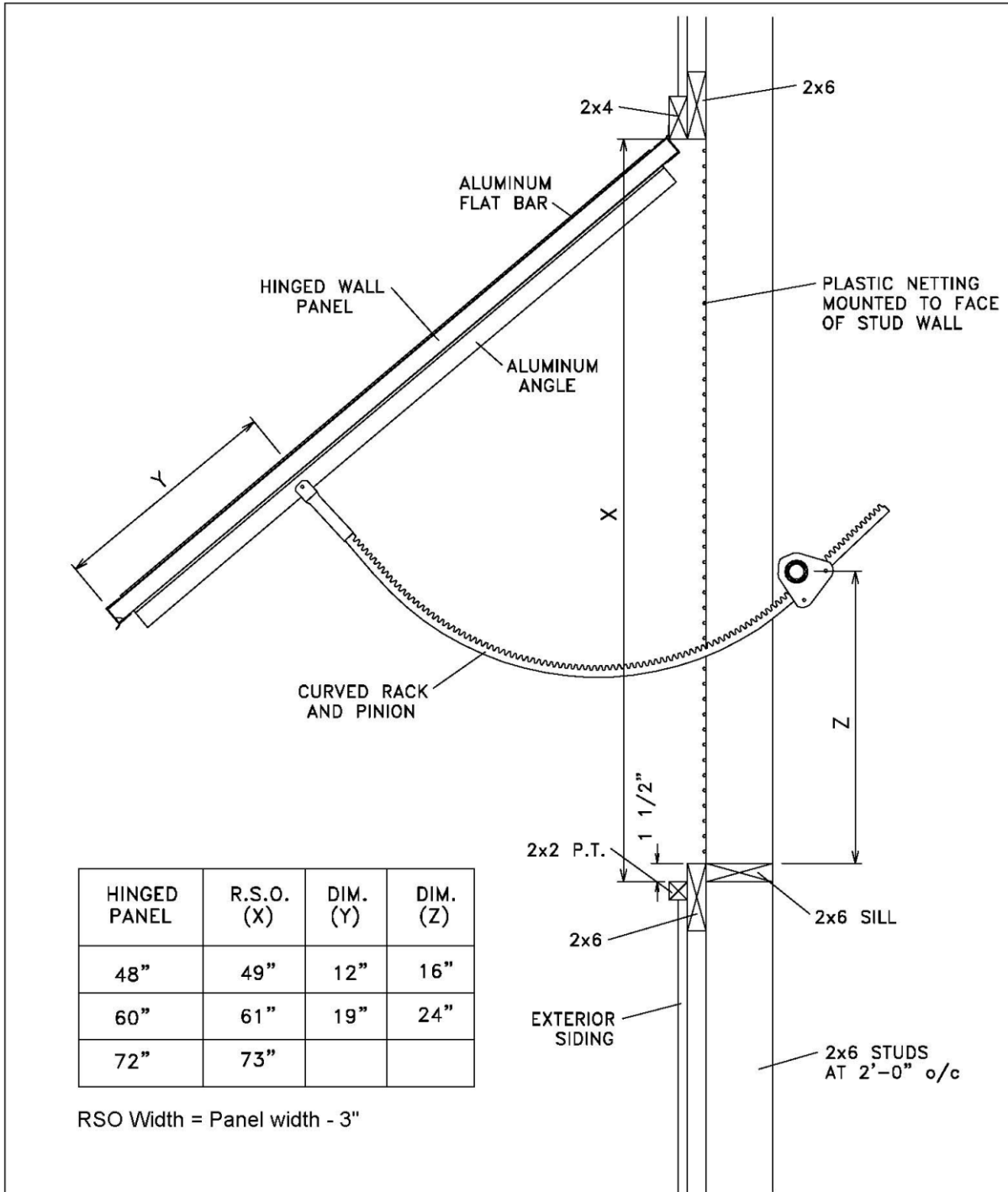
INSTALLATION MANUAL



# Installation Instructions

1. Mount hinged wall panel in prepared and flashed opening as per drawing illustration. The flexible hinge at top of the panel will be secured to frame work via aluminum nailer strip supplied. Screw woodgrips through nailer strip and rigid part of hinge.
2. Before securing, assure the panel fits the opening properly and seals tight, in the closed position. Each additional panel is joined to the previous by inserting in the previous panels "H" joiner. Prior to joining, run a bead of polyurethane caulking in each side of the "H" joiner. This will act as a seal and effective adhesive to secure the panels together.  
NOTE: You will find it easiest to slide the panels into the "H" joiner.
3. To install the operating hardware begin by mounting the pipe hanging brackets 2 ft down from the top of the framed opening, as per drawing. Pipe hanger brackets should be placed 8 ft on center.
4. Install the 1" diameter galvanized pipe by sliding through the pipe hanger brackets. Each pipe is joined to the next by use of pipe joiners. Do not forget to install the pinions at appropriate locations during this phase of installation. Pinions are required at each panel.
5. The gearbox is mounted to a wall area that has been properly blocked during framing. It is usually mounted at one end of the panel section. It is important that the gearbox be mounted so that its outshaft(s) is centered with the drive pipe. This can often be assisted by adjusting the position of pipe hanger brackets (closer or further from wall) at time of mounting. Fasten the drive pipe to gearbox by drilling a hole in the pipe and inserting a 5/16" bolt. Drill hole in one wall of pipe then align over the hole in the shaft. using the shaft as a drill guide, drill hole through second wall of pipe.
6. The first rack and pinion should be started approximately 12" from each end of the section and be placed on 8 ft centers. We suggest the rack and pinions be placed so they fall about 6" to 12" from the "H" joiner between panels.
7. The aluminum curved rack is to be threaded through its respective pinion and mounted to panels via aluminum angle and PVC flat bar supplied. The PVC flat bar will be mounted to the outside of the panel, and the aluminum angle to the inside. line the bars up with the pinions and mount them to panels via 1/4" x 2-1/4" stainless bolts, as per drawing. As noted on drawing, the rack should be fastened to aluminum angle approximately 17" up from bottom of hinged panel.
8. If the system is manually operated, the gearbox will have been supplied with a crank handle. If automated, the gearbox will or can be fitted with an electric DC motor. The drive motor mounts to the gearbox via an adjustable plate assembly. A separate short rack and pinion are supplied with a limit switch attached, for the automated gearbox.

# Framing Detail



Faromor Inc. P.O. Box 279, RR#1 Shakespeare, Ontario. NOB 2P0 - (519) 625-8000	TITLE: FRAMING FOR HINGED WALL PANEL	DATE: NOV 99
	PART/PROJECT#:	DRAWN BY: R.S.
	REVISED:	SCALE: N.T.S.
		CAD FILE: HINGPNC1

## PANEL SYSTEM SAFETY

**NOTE: ALL INSTALLATION OF ELECTRICAL CONTROLS SHOULD BE DONE BY A QUALIFIED ELECTRICIAN.**

### General Operation

- Panels should only be operated when the owner or other responsible persons are in the facility.
- Unauthorized persons or small children should not be near or have access to the outside or inside automatic/manual drive units as they may result in injury. Do not attempt to stop any automatic drive unit by hand while it is in operation.
- Do not attempt to adjust cables or pulleys while system is in operation.
- When making adjustments to automatic drive units, ensure that the override switch is in the “off” position so that the curtain cannot start while any work is being completed.

### Protective Covering

- Ensure that all drive units (manual or automatic) have the covers installed where applicable.
- Electrical motors mounted on outside of building should be covered to prevent damage.

## PANEL SYSTEM MAINTENANCE

### SOLAR/CLEAR VU/VIP

- All cables (main and pull-ups) should be checked on a monthly basis to ensure proper operation. Over time, some cables may stretch causing uneven pull up of panel system. Where necessary, loosen cable clamp, pull cable tight and re-fasten clamp when panel is level.
- Ensure all cable clamps are tightly secured so it does not result in drop cables coming loose.
- Check all pulleys for excess wear on wheels that may cause cable to get caught.
- Periodically check over aluminum panel joiners top and bottom to ensure they are fastened tightly.

**NOTE: FOR ANY SERVICE ON THERMOSTATS OR AUTOMATIC DRIVE UNITS, PLEASE CONTACT A SERVICE REPRESENTATIVE FOR ASSISTANCE. FOR ADJUSTMENT OF LIMIT SWITCHES SEE INSTALLATION MANUALS – ELECTRICAL SECTION.**

### General Cleaning:

- Use mild soap or detergents for cleaning any of our Faromor products – do not use solvents or aggressive cleaning agents.
- High pressure washers can be used on all products but maintain a minimum distance from product of approximately 1m so as not to put too much pressure on the material – especially fabric curtains.
- Ensure rolling curtains are in the fully closed position when washing so that excess water does not get caught in the rolls of the fabric – allow the water to run completely off the curtains.
- Avoid direct pressure on any curtain area that has an existing hole or ClearVu panel that has an existing crack – the added water pressure may cause more damage at those locations.
- **FOR DRIVE UNITS** – it is recommended to do a simple hand cleaning of the units with warm water and avoid excess water around the motor, wiring or vent plugs so no water will enter the gears or damage the wiring – this will cause premature failure.

**NOTE: DO NOT USE HIGH PRESSURE WASHERS OR WATER OF ANY KIND TO CLEAN DRIVE UNITS OR THERMOSTATS – THIS WILL DAMAGE THE UNITS.**