UNIVERSAL MOUNTING BRACKET KIT INSTRUCTIONS

UMB1

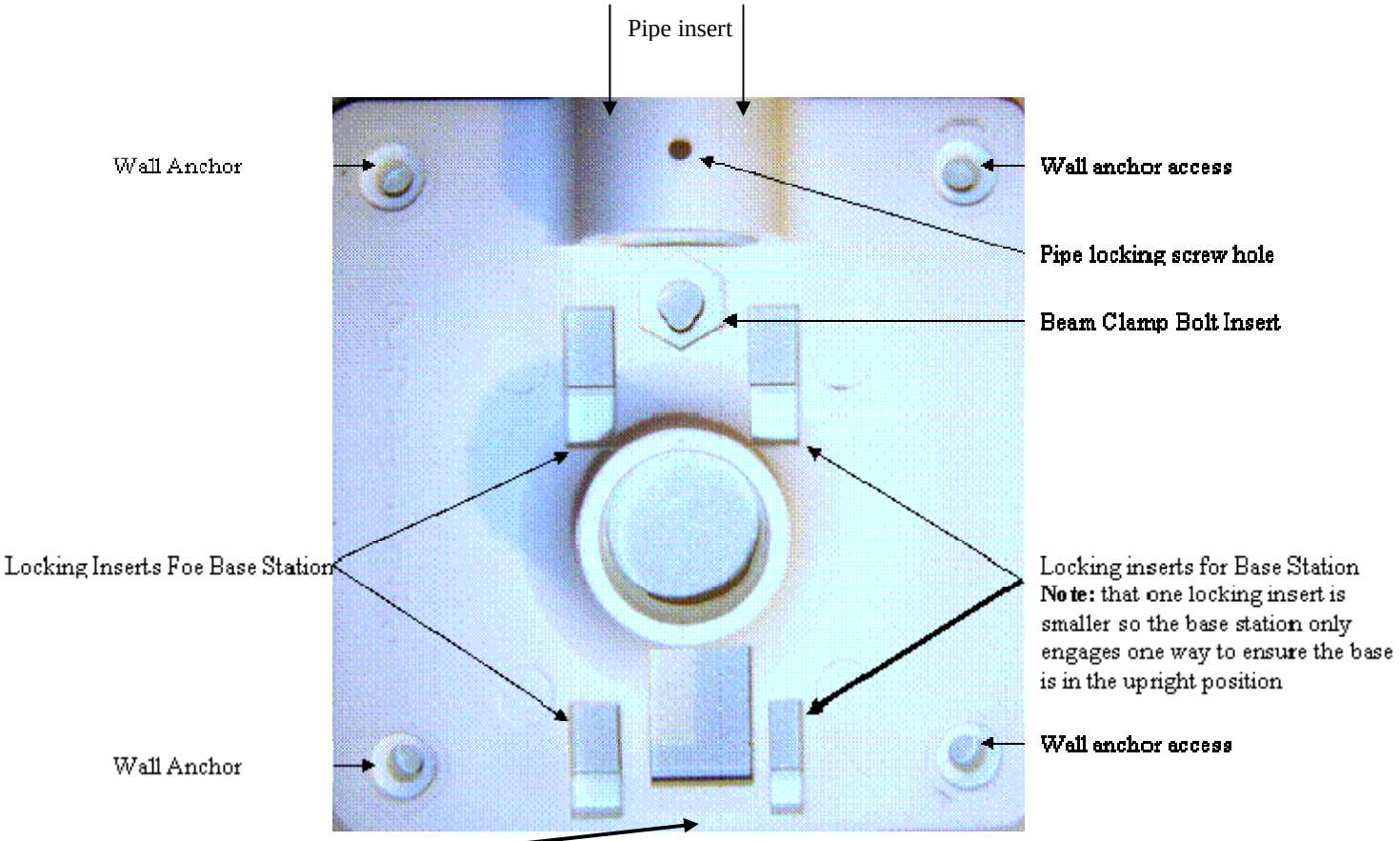
This document has been printed and enclosed with the UMB1 to detail normal installation practices. The UMB1 kit was developed as an installation aid for installers who need to install Nortel Digital Mobility Base Stations or Repeaters in environments that do not suit the use of the supplied base station or repeater clip. In many large commercial, Industrial and Hospitality environments the use of the UMB1 simplifies the installation creating a uniform professionally installed deployment that improves installation efficiency.

The UMB1 kit comes with all the necessary parts to install in a suspended ceiling, steel girder or extended wall mount environments.

It is important to note: not all hardware is needed for every install e.g. the beam clamp and bolts are not required for a suspended ceiling installation.

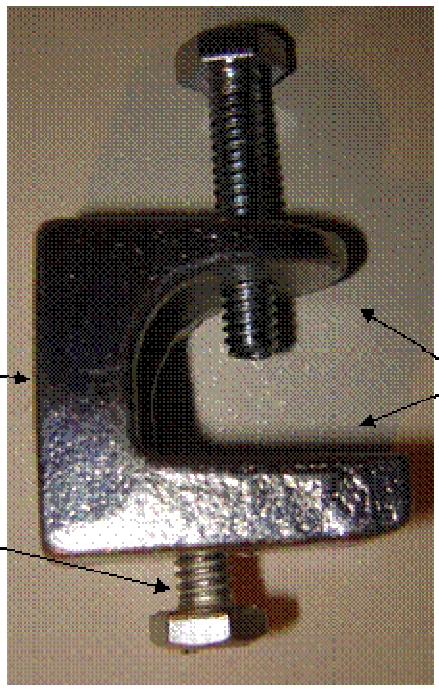
The diagrams depicted on the following pages detail the hardware included with the UMB1 kit, Identify the features of the bracket, as built drawings and directions to install the bracket in each intended application.

The Parts included:
- 2- Mounting brackets
- 1- Bracket cover
- 1- 15 inch pipe
- 4- Walldog all in one screw/anchors
- 2- Pipe locking screws
- 1- Steel beam clamp with locating bolts



Note: For flat surface mounting the bracket is notched at the back. BEFORE mounting the bracket be sure to pass the cable in behind the bracket and pull enough slack through the pipe insert to be able to connect to the base station or repeater

Figure 1 Bracket Overview (QTY 2 in Kit)



The long bolt in figure 2 is used to secure the clamp to the steal beam. Loosen the bolt to allow the clamp to slide over the flange of the beam and then tighten the bolt to secure the clamp in place. (See as built drawing 1 on Page 3 for more detail)

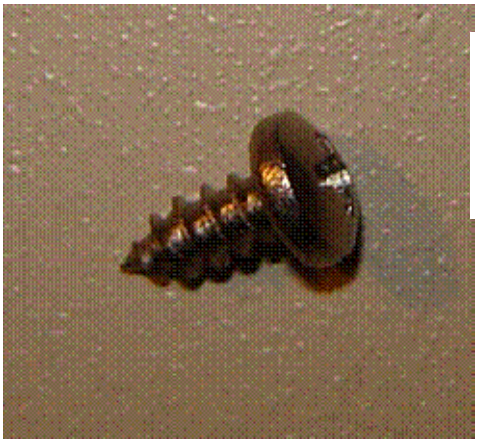
The Bracket bolt is used to secure the bracket to the beam clamp. There are **two** ways to secure the bracket horizontally **or vertically as there is an additional threaded hole on the back of the clamp as well**. Remove the bolt slot it through the Beam clamp Bolt Insert as shown in Figure 1 above and then spin the bracket clockwise to secure it in place. (See as built drawing one on page 3 for more detail)

The clamp is designed to fit a beam thickness of up to 3/4 "

Figure 2 Beam Clamp with locating bolts (Qty 1 in Kit)

These anchors are to be used to secure the bracket to a drywall surface in an extended wall mount application. Figure one shows the 4 access points for the anchors (See as built drawing on page 4)

Figure 3 Walldog all in one screw/anchors (Qty 4 in Kit)



The Pipe Locking screw is used to secure the pipe into the pipe Insert slot on the bracket. Once the pipe is seated screw the pipe locking screw into the pipe via the pipe locking screw hole shown in Figure 1. (See as built drawing 1 on page 4 for more detail)

Figure 4: Pipe Locking Screw (Qty 2 in Kit)

Note: A 15 in pipe is supplied for the typical installation requirement, but in the event of a longer length of pipe; the UMB1 brackets were designed to fit any ½ inch plastic rigid water pipe sold at most hardware stores as a standard. If you have an application where the Base Stations need to hang down further you can source your own piping for the application.

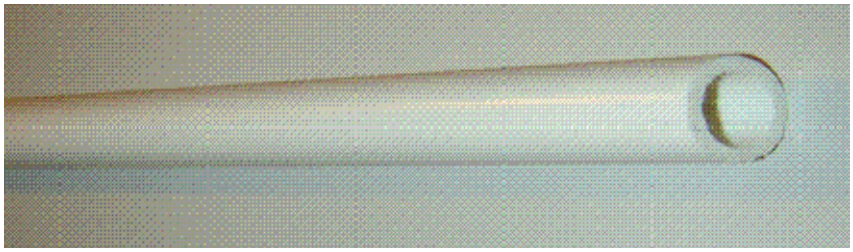
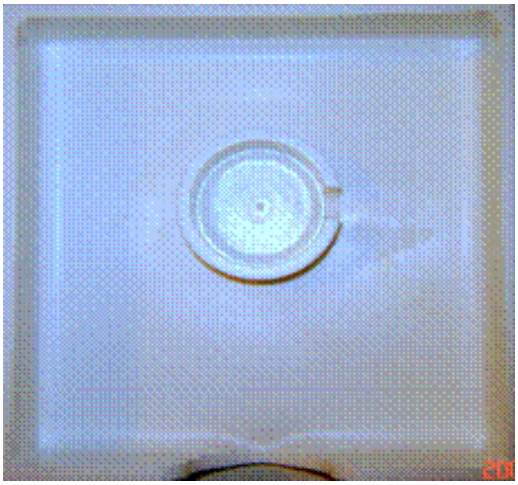
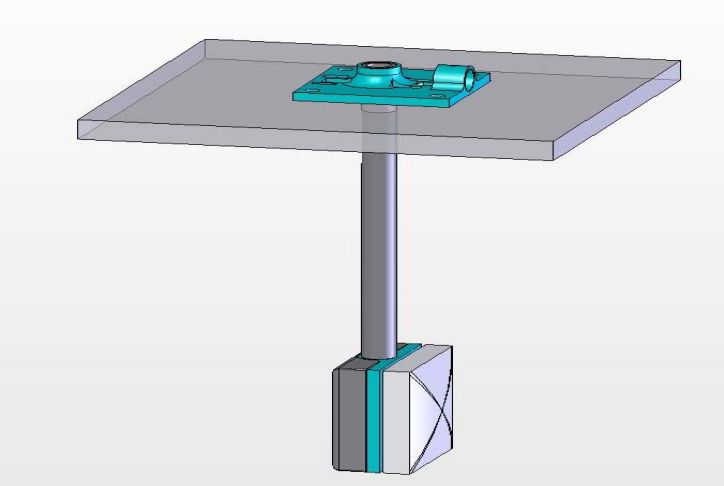


Figure 5: 15 Inch Pipe (Qty 1 in Kit)



The bracket cover is designed to friction fit over the back of the mounting bracket. The cover hides the wire used to power the base station or repeater and makes for an esthetically pleasing appearance of the base suspended below ceiling grade. **Note:** the power cord for a repeater is only 10 feet in length, so keep that in mind when placing repeaters.
(See as Built Drawing on Page for more detail)

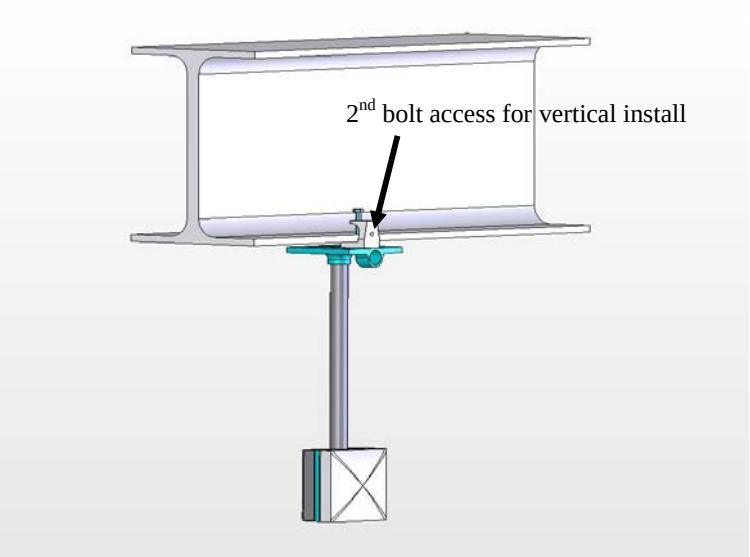
Figure 6: Bracket Cover (Qty 1 in Kit



Suspended Ceiling Install:

1. Run cable to desired location
2. Make a round hole through the ceiling tile to fit pipe
3. Slide pipe through hole in tile and engage in bracket
4. Secure the pipe using one of the pipe locking screws
5. Attach second bracket to pipe below ceiling grade
6. Use second pipe locking screw to secure pipe in place
7. Run wire through the pipe
8. Secure base station or repeater into locking insets on the bracket
9. Plug in RJ11 connection to the base station or repeater (Note: red light will come on if power present)
10. Friction fit the cover over the bracket

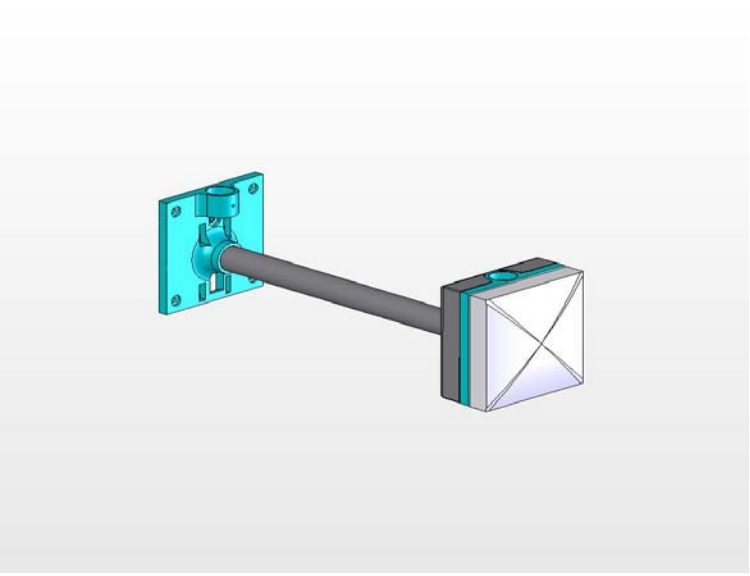
Installation time less than 5 minutes



Steal Bean/Girder Install:

1. Run cable to desired location
2. Attach Beam Clamp to Beam/Girder
3. secure the pipe inserted in the Beam Mounted bracket using one of the pipe locking screws
4. Attach second bracket to pipe below ceiling grade
5. Use second pipe locking screw to secure pipe in place
6. Run wire through the pipe
7. secure base station or repeater into locking insets on the bracket
8. plug in RJ11 connection to the base station or repeater (Note: red light will come on if power present)
9. Friction fit the cover over the bracket

Installation time less than 5 minutes



Flat surface mount:

1. Run cable to desired location
2. Before mounting the bracket to the wall pass the cable through the notch at the back of the bracket
3. Be sure to pull enough slack through the pipe insert to reach your connection to the base station or repeater
4. Attach bracket to surface using supplied anchors
5. Run wire through the pipe then insert in bracket
6. Secure the pipe inserted in the surface Mounted bracket using one of the pipe locking screws
7. Attach second bracket to pipe extended from the wall
8. Use second pipe locking screw to secure pipe in place
9. secure base station or repeater into locking insets on the bracket
10. plug in RJ11 connection to the base station or repeater (Note: red light will come on if power present)
11. Friction fit the cover over the bracket

Installation time less than 5 minutes