Adjust-It™ Masonry Wall Bracing

Information to be provided by the Mason Contractor for Obtaining
Site Specific Bracing and/or Deadman Details for VA, NC, NC, SC, PA
Steve Barber @ DMWPV, PLLC: FAX 434-977-5191; Voice 434-293-5171

Name of Masonry Contractor:_____ Fax#_____

Date Submitted for Design:_____ Phone#_____

Project Name, Location & Wall/Elevation*:_____

*Use additional sheets if wall heights, CMU, mortar types and/or accessibility vary per wall/elevation.

MUST CHECK APPROPRIATE BOX:

☐ **Back to Back over 24' High** ☐ **Single Sided Under 24'** ☐ **Single Sided Over 24'**

A) Height of Masonry Wall:_____ (feet)

B) Horizontal Spacing of Vertical Control Joints [panel width]:_____ (feet)

C) Flashing Locations (state none, if none required):_____

CMU (circle one): Light Weight / Medium Weight / Heavy Weight

Thickness of Masonry Unit: _____ (inches)

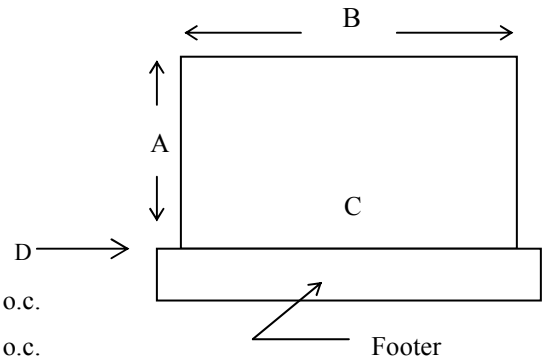
Masonry Bond Pattern: _____

Mortar Type (circle): S N M

Vertical Reinforcing: Size Rod:_____ Spacing:_____ o.c.

Horizontal Reinforcing: Size: _____ Spacing:_____ o.c.

Preferred Size of Concrete Deadman: Length:_____ft. Width:_____ft. Height:_____ft. Weight:_____ lbs.



D) Location of Bottom of Deadman Relative to Bottom of Masonry Wall: _____Feet Above _____Feet Below

Both Sides of the Foundation Wall Backfilled Before Masonry Wall is Constructed? Yes No

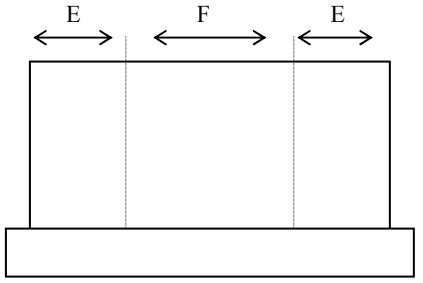
Design Based on the Above Information

Maximum Brace Spacing: E) From the Masonry Control Joint: _____ft.

F) Between Braces: _____ft.

Minimum Weight of Deadman for Single Sided Use: _____lbs.

Preferred Size of Deadman for Single Sided Use: **Is Acceptable** **Is NOT Acceptable**



Minimum of 2 braces between control joints

Minimum Tensile Capacity of Bolts Attaching Brace to Deadman: _____lbs. each, for 2 bolts Note →

Minimum Tensile Capacity of U-Bolt(s) Attaching Brace to Wall: _____lbs. # Brackets per Deadman _____

Masonry contractor is responsible for insuring a subgrade capacity of _____ lbs. psf beneath the deadman and/or leveling jacks.
→ See 29 CFR § 1926.450(b) and § 1926.451(c)(2)(iii) for **mud-sill** standards.

This Design was prepared by: _____

Date: _____

The mason contractor shall be responsible for constructing the wall within the guidelines of **"Standard Practice for Bracing Masonry Walls Under Construction"** regarding the "Initial Period Heights", "Intermediate Period Heights", grouting patterns and published brace information. This includes providing "U-Bolts at the proper interval on the masonry wall for connection to the braces for lateral support of the walls. The bracing pattern and deadmen size has been determined to withstand 40 mph wind loads under the various combinations of construction practices for the height of wall indicated above. **All walls experiencing a wind load event in excess of 40 mph should be inspected *BEFORE* construction proceeds.**

MASONRY CONTRACTOR IS RESPONSIBLE FOR SAFETY INCLUDING BUT NOT LIMITED TO MAINTENANCE OF RESTRICTED ZONE AND PERSONNEL FAMILIAR WITH **ADJUST-IT™** MANUFACTURER'S OPERATING INSTRUCTIONS

This design applies only to the project and walls indicated above and shall not be used for other projects or wall heights.