

# ADEPT

## TEMPORARY MASONRY WALL BRACING PLAN

### DRAWING INDEX

1) ■ MWB-1 TEMPORARY MASONRY WALL BRACING PLAN

#### MASONRY BRACING NOTES:

A) The temporary masonry bracing design shown on these plans has been designed in accordance with the July, 2001 edition of the "Standard Practice for Bracing Masonry Walls Under Construction."

B) Strict adherence to the evacuation requirements of the restricted access zone shall be observed during construction (20 mph during the initial period, 35 mph during the intermediate period).

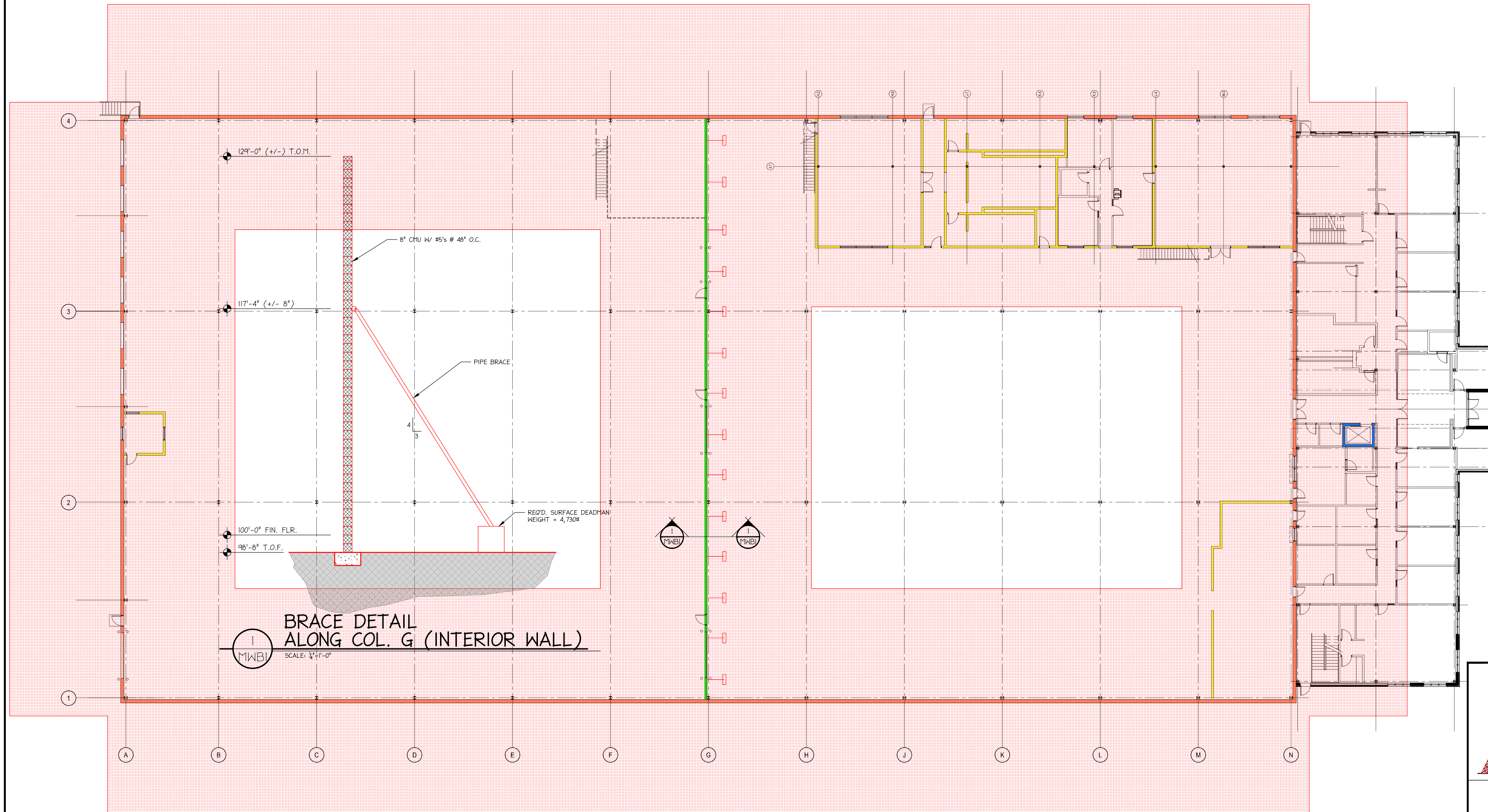
C) Walls designated as "Internally Braced" have been structurally analyzed to ensure that the masonry units, steel reinforcement, and foundations have sufficient strength and size. This approach complies as an alternative design per Section 1.4 of the Standard Practice.

#### D) Wall Material & Construction Requirements:

- Concrete masonry units shall conform to ASTM C90.
- $f'_c = 1000$  psi (Which corresponds to an  $f_m = 2000$  psi)
- Type S mortar
- Reinforcing bars shall conform to ASTM A615, Grade 60.
- Low lift grouting
- All steel reinforcing (including the dowels projecting from the top of the foundation) shall have minimum 48 bar diameter lap splices.

E) The external braces shall be constructed of HOG LEG or DUR-O-WALL Brace-Rite (or equal) components and accessories, and installed in accordance with all manufacturers' recommendations, unless noted otherwise.

a) For the interior wall along column line G, the maximum panel length shall be 25'-0".



#### TEMPORARY MASONRY BRACING LEGEND

- RESTRICTED ZONE, EXTENDS ON EACH SIDE OF WALLS FOR A HORIZONTAL DISTANCE EQUAL TO THE CONSTRUCTED WALL HEIGHT PLUS 2'-0". ALSO CONTIGUES 2'-0" BEYOND THE ENDS OF THE WALLS. APPLICABLE TO ALL WALLS GREATER THAN 8' IN HEIGHT.
- INTERNALLY BRACED WALL (NO EXTERNAL BRACING REQUIRED)
- INTERNALLY BRACED WALL (NO EXTERNAL BRACING REQUIRED) (SEE BRACING NOTE #1)
- INTERNALLY BRACED WALL (NO EXTERNAL BRACING REQUIRED) (SEE BRACING NOTE #2)
- EXTERNALLY BRACED WALL
- EXTERNAL BRACE

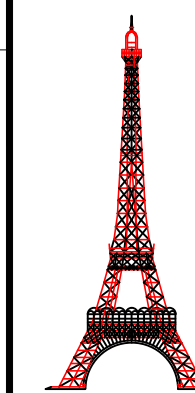
#### BRACING NOTES:

- 1) NO EXTERNAL BRACING REQUIRED PROVIDED THE WALLS ARE BUILT CONCURRENTLY WITH INTERSECTING WALLS.
- 2) NO EXTERNAL BRACING REQUIRED PROVIDED THE DESIGN REINFORCEMENT (#6 @ 40" O.C.) IS SUPPLEMENTED WITH ADDITIONAL #5 OR #6'S LOCATED BETWEEN THE DESIGN REINFORCEMENT (MEANING A BAR EVERY 16" TO 24" ON STRAIGHT RUNS OF WALL). THESE ADDITIONAL BARS NEED ONLY EXTEND INTO THE WALL A MINIMUM OF 36" HEIGHT STARTING FROM THE TOP OF THE FOUNDATION.

#### BRACE DETAIL ALONG COL. G (INTERIOR WALL)

SCALE: 1/4" = 1'-0"

FLOOR PLAN  
SCALE: 1/16" = 1'-0"



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**ADEPT**  
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**TEMPORARY MASONRY WALL BRACING PLAN**  
**FLOOR PLAN**

DATE: 10/30/2012 | REV.: 0  
SCALE: 1/16" = 1'-0"

DWG NO. **MWB-1**