

GREEKTOWN PEDESTRIAN BRIDGE

TEMPORARY MASONRY WALL BRACING PLAN

DRAWING INDEX

■ MWB 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) Walls designated are actually "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.

C) Wall Material & Construction Requirements:

- Concrete masonry units shall conform to ASTM C90, light weight units.
- $f_i = 1000$ 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.

D) The walls are in close proximity to existing operational businesses, for which the presence of the typical restricted zone would not be practical [see Rule 206(3)]. Therefore these walls have been designed for a much higher wind pressure (13.3 psf) in accordance with SEI/ASCE 37 so that the restricted zone is eliminated (no evacuation requirements apply).

TEMPORARY MASONRY BRACING LEGEND

INTERNALLY BRACED WALL (NO EXTERNAL BRACING REQUIRED)

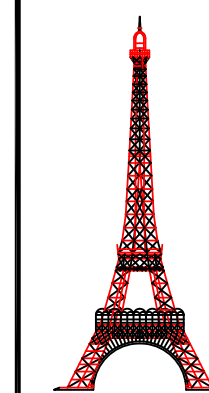
BRACING NOTES:

- NO EXTERNAL BRACING REQUIRED PROVIDED WALL CONNECTED TO APPROX. ELEVATION OF THE 3rd. FLOOR AS SHOWN IN SECTION 1.

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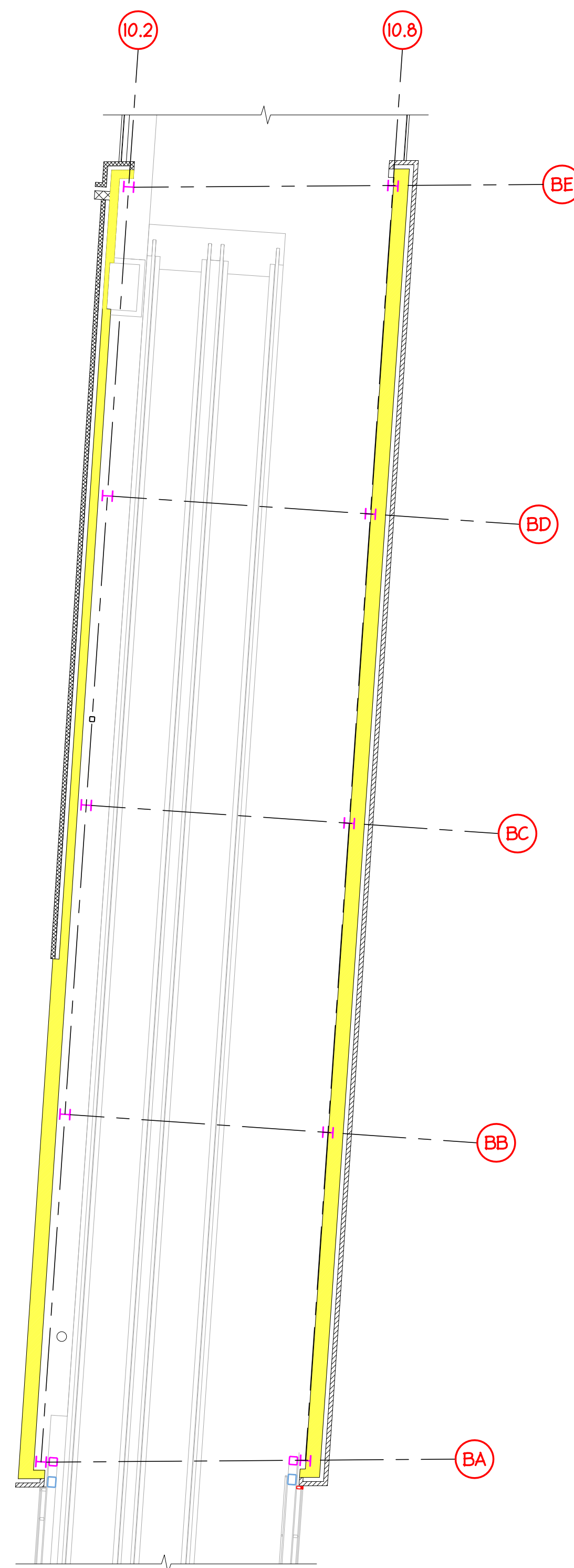
GREEKTOWN CASINO
PEDESTRIAN FOOTBRIDGE
DETROIT, MICHIGAN 48226

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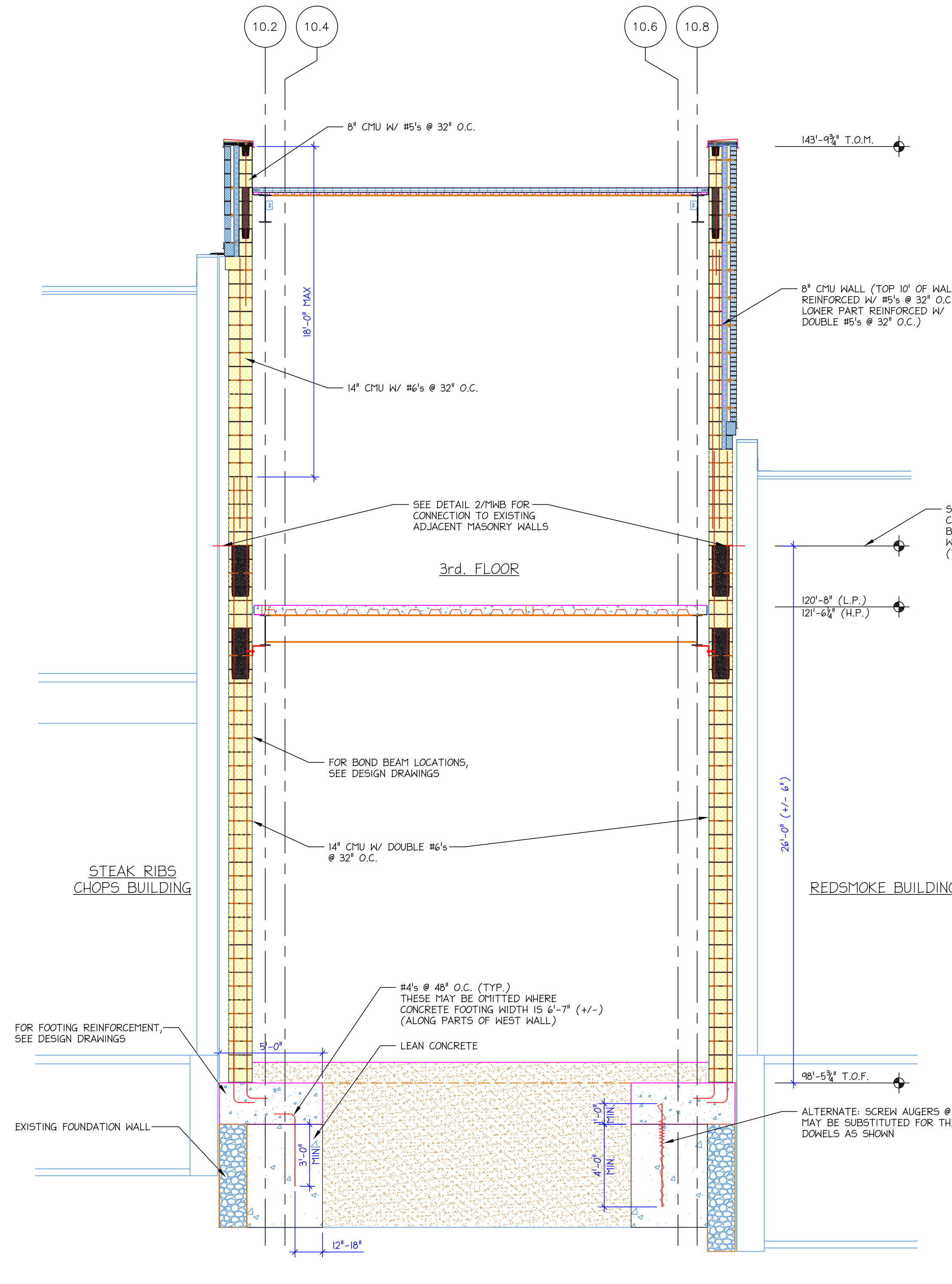
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DATE: 05/11/2012 | REV.: 1
SCALE: 1/8" = 1'-0"

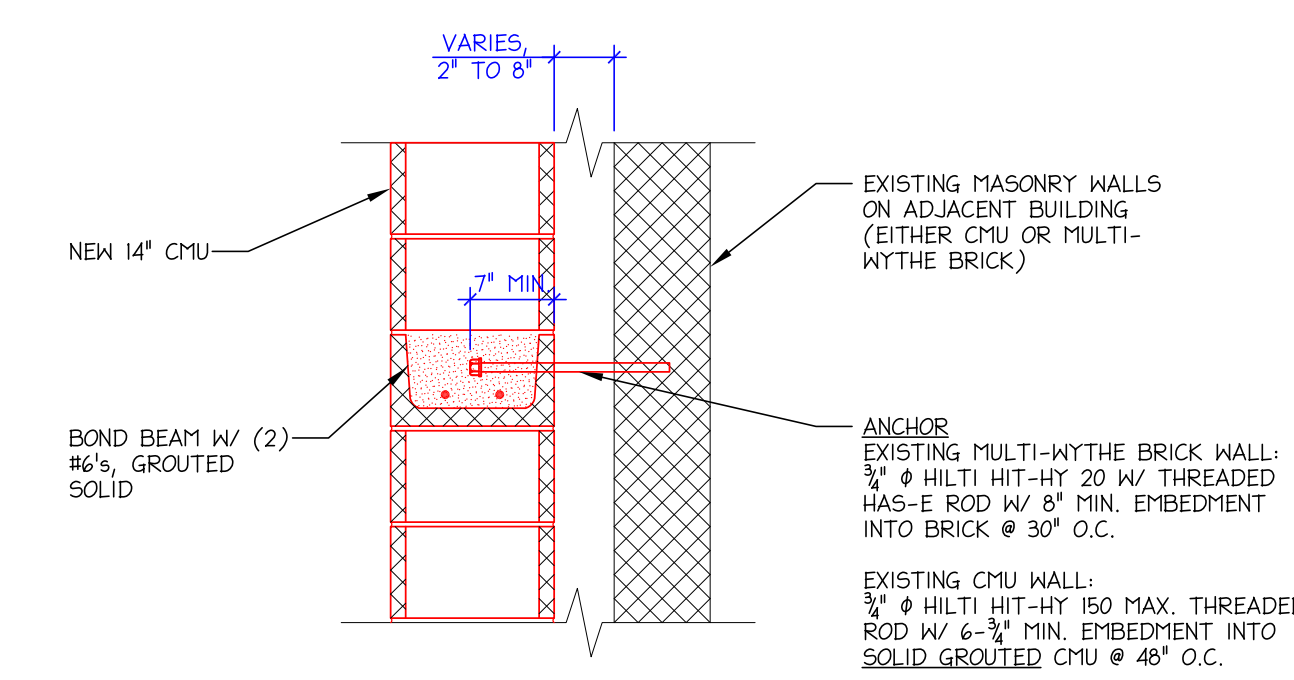
DWG NO. **MWB**



FLOOR PLAN
SCALE: 1/8" = 1'-0"



SECTION 1
SCALE: 3/4" = 1'-0"



CONNECTION DETAIL
SCALE: 3/4" = 1'-0"