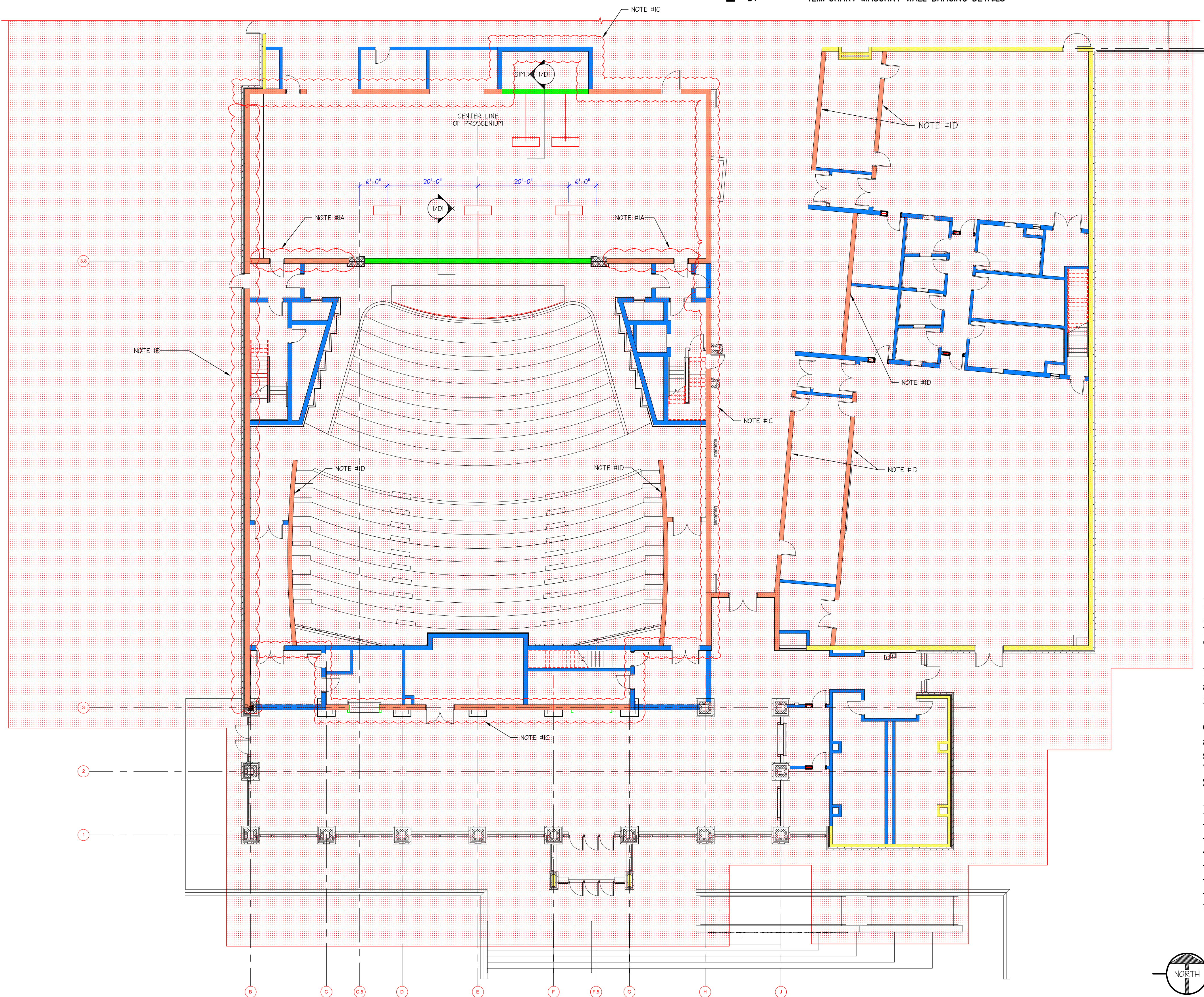


SWARTZ CREEK HIGH SCHOOL PERFORMING ARTS ADDITION

TEMPORARY MASONRY WALL BRACING PLAN

DRAWING INDEX

- MWB-1 TEMPORARY MASONRY WALL BRACING PLAN - UNIT A
- MWB-2 TEMPORARY MASONRY WALL BRACING PLAN - UNIT B
- D1 TEMPORARY MASONRY WALL BRACING DETAILS



TEMPORARY MASONRY BRACING LEGEND

- RESTRICTED ZONE: EXTENDS ON EACH SIDE OF WALLS FOR A HORIZONTAL DISTANCE EQUAL TO THE CONSTRUCTED WALL HEIGHT PLUS 4'-0". ALSO CONTINUES 4'-0" BEYOND THE ENDS OF THE WALLS APPLICABLE TO ALL WALLS GREATER THAN 6' IN HEIGHT.
- INTERNALLY BRACED WALL (NO EXTERNAL BRACING REQUIRED)
- INTERNALLY BRACED WALL (NO EXTERNAL BRACING REQUIRED) WITH THE VERTICAL REINFORCING CHANGES PER NOTE #1.
- INTERNALLY BRACED WALL (NO EXTERNAL BRACING REQUIRED) (SEE BRACING NOTE #2)
- EXTERNALLY BRACED WALL
- EXTERNAL BRACE

NOTES:

- 1) VERTICAL REINFORCEMENT CHANGES:
 - A) DOUBLE #6's @ 16" O.C. FOR 1st 8'-0" OF WALL, DOUBLE #6's @ 32" O.C. FOR NEXT 14'-0" OF WALL, THEN REVERT TO PERMANENT DESIGN (#6's @ 32" O.C.) FOR REMAINDER OF WALL.
 - B) #6's @ 48" O.C. FOR 1st 10' OF WALL, THEN REVERT TO PERMANENT DESIGN (NONE ?) FOR REMAINDER OF WALL.
 - C) DOUBLE #6's @ 16" O.C. FOR 1st 4' OF WALL, DOUBLE #6's @ 24" O.C. FOR NEXT 10'-0" OF WALL, THEN REVERT TO PERMANENT DESIGN (#6's @ 24" O.C.) FOR REMAINDER OF WALL.
 - D) #6's @ 40" O.C. FOR 1st 14'-0" OF WALL, THEN REVERT TO PERMANENT DESIGN (NONE) FOR UP TO AN ADDITIONAL 16'-0" (ASSUMES MAXIMUM WALL HEIGHT OF 30'-0").
 - E) DOUBLE #6's @ 16" O.C. (AS A SUGGESTED CHANGE TO THE PERMANENT REINFORCEMENT, FULL WALL HEIGHT).
- 2) NO EXTERNAL BRACING REQUIRED PROVIDED WALL MEETS ANY OF THE FOLLOWING:
 - A. WALL IS CONSTRUCTED CONCURRENTLY WITH INTERSECTING WALLS WITH A MAXIMUM DISTANCE BETWEEN WALLS OF 24'-0".
 - B. WALL HAS A HEIGHT $\leq 10'-0"$
 - C. WALL HAS A HEIGHT $\leq 18'-0"$ AND THE BOTTOM PART OF THE WALL IS REINFORCED W/ #4's @ 48" O.C. SO THAT THE MAXIMUM UNREINFORCED HEIGHT OF WALL $\leq 10'-0"$.
 - D. WALL HAS A HEIGHT $\leq 18'-0"$ AND THE BOTTOM PART OF THE WALL IS SOLID GROUTED SO THAT THE MAXIMUM UNGROUTED HEIGHT OF WALL $\leq 10'-0"$.
 - E. WALL HAS A HEIGHT $\leq 14'-8"$ AND THE WALL IS REINFORCED W/ #4's @ 48" O.C.

MASONRY BRACING GENERAL 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 "Unbraced" are actually "Internally Braced", and 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' = 1250 psi (Which corresponds to an f'm = 2500 psi)
 - Type S mortar-cement 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.

PREPARED FOR:

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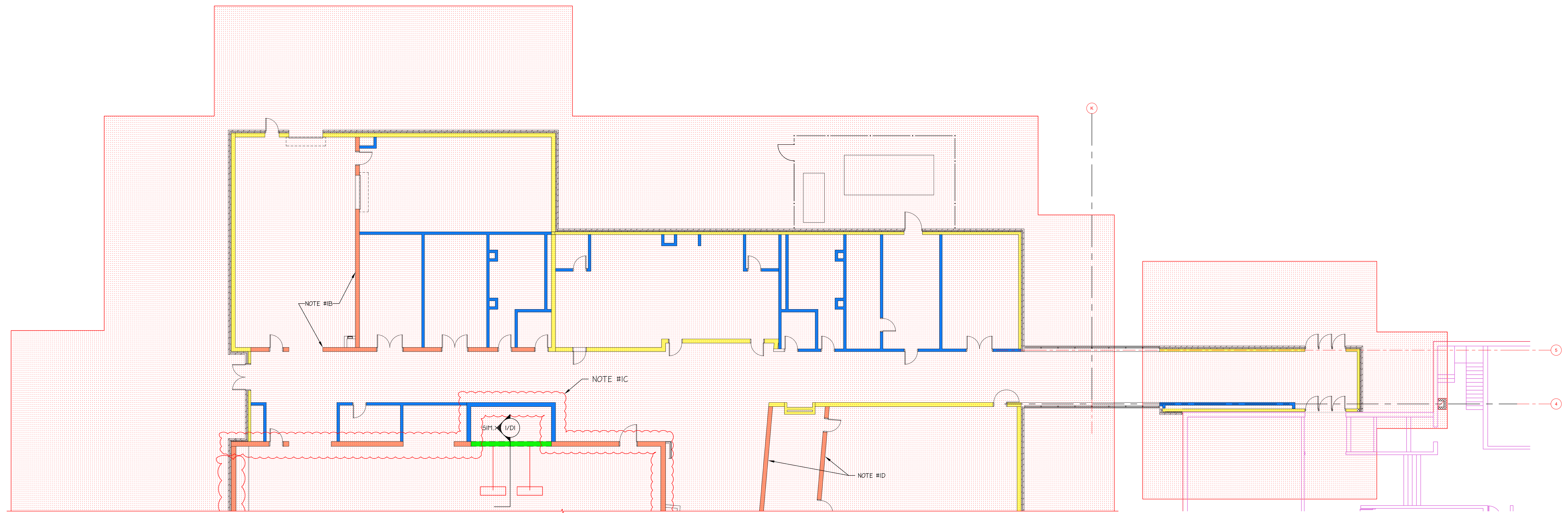
SWARTZ CREEK HIGH SCHOOL PERFORMING ARTS ADDITION
1 DRAGON DRIVE
SWARTZ CREEK, MICHIGAN 48473

DRAWN BY: M. FOWLER | CHK'D. BY: TA DAILEY | APP'D. BY:

TEMPORARY MASONRY WALL BRACING PLAN

DATE: 04/16/2012 | REV.: 0 | DWG NO. **MWB-1**
SCALE: 1/8" = 1'-0"

UNIT A FLOOR PLAN
SCALE: 3/32" = 1'-0"



UNIT B FLOOR PLAN
 SCALE: 3/32"=1'-0"

TEMPORARY MASONRY BRACING LEGEND

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- EXTERNAL BRACE

NOTES:

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 - B) #6's @ 48" O.C. FOR 1st. 10' OF WALL, THEN REVERT TO PERMANENT DESIGN (NONE ?) FOR REMAINDER OF WALL.
 - C) DOUBLE #6's @ 16" O.C. FOR 1st. 4' OF WALL, DOUBLE #6's @ 24" O.C. FOR NEXT 10'-0" OF WALL, THEN REVERT TO PERMANENT DESIGN (#6's @ 24" O.C.) FOR REMAINDER OF WALL.
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1 DRAGON DRIVE

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DRAWN BY: M. FOWLER | CHK'D. BY: TA DAILEY | APP'D. BY:

TEMPORARY MASONRY WALL BRACING PLAN

DATE: 04/16/2012 | REV.: 0 | DWG NO. **MWB-2**
SCALE: 1/8" = 1'-0"