

# LAKE LOCAL SCHOOLS - NEW HIGH SCHOOL

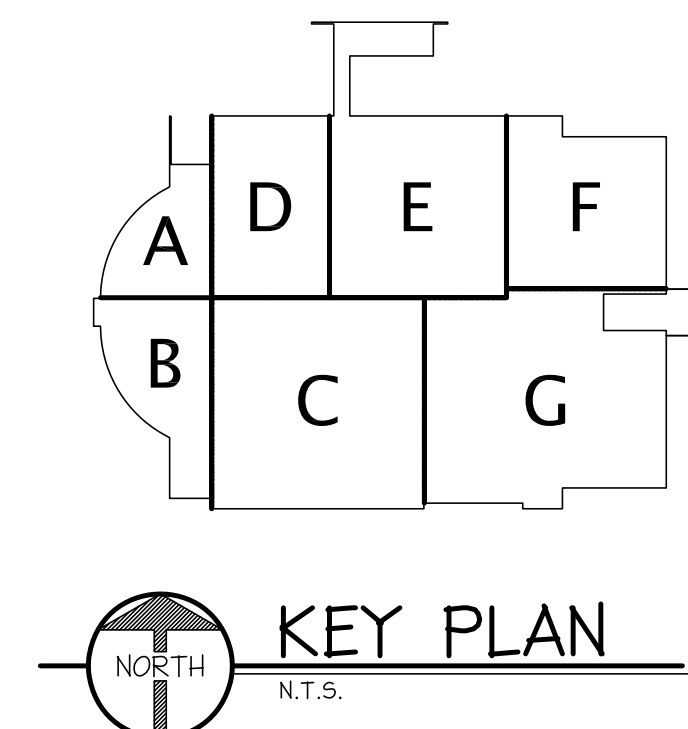
## TEMPORARY MASONRY WALL BRACING PLANS

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#### MASONRY BRACING DESIGN CRITERIA & GENERAL NOTES:

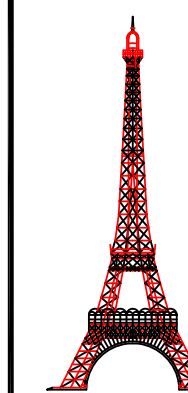
- A) The temporary masonry bracing design shown on these plans has been designed in accordance with the July, 2001 edition of the "Standard Practice for Bracing Masonry Walls Under Construction."
- B) Strict adherence to the evacuation requirements of the restricted access zone shall be observed during construction (20 mph during the initial period, 35 mph during the intermediate period).
- C) Walls designated as "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.
  - 8" units shall be normal weight.
  - 12" units shall be medium weight.
  - f' = 1250 psi (Which corresponds to an f'm = 2500 psi)
  - Type S mortar, mortar cement.
  - Reinforcing bars shall conform to ASTM A615, Grade 60.
  - Low lift grouting
  - All vertical reinforcement (including the dowels projecting from the top of the foundation) shall have minimum 48 bar diameter length lap splices.



PREPARED FOR:

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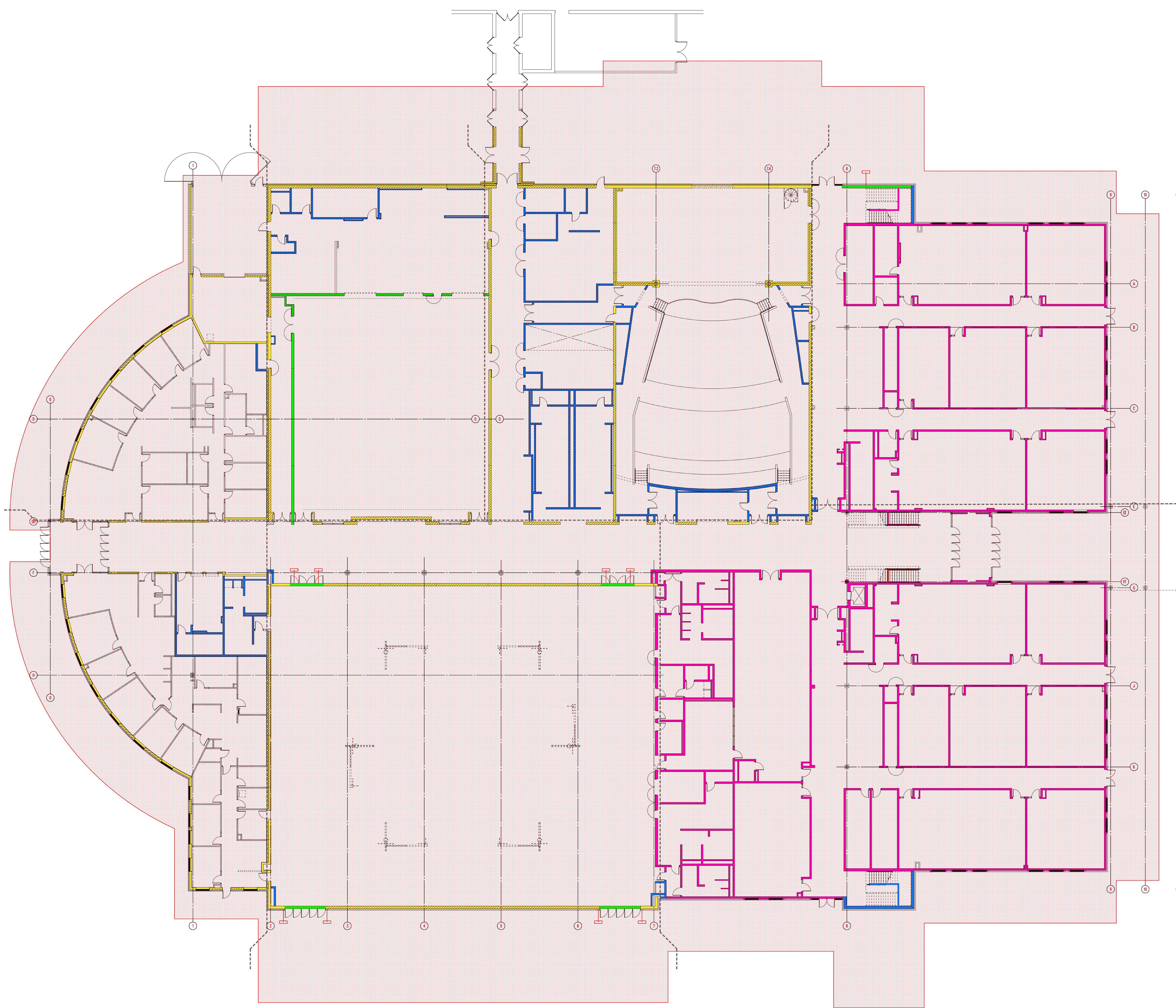
**TEMPORARY MASONRY WALL BRACING DESIGN**  
**LAKE LOCAL SCHOOLS - NEW HIGH SCHOOL**  
**28080 LEMOYNE ROAD**  
**MULLBURY, OHIO 43447**

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

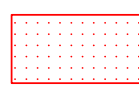





**COVER SHEET**

DATE: 06/29/2011 | REV.: 1 | DRAWING NO. **C**  
SCALE: NONE





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 CONTIGUES 4'-0" BEYOND THE ENDS OF THE WALLS. APPLICABLE TO ALL WALLS GREATER THAN 8' IN HEIGHT.
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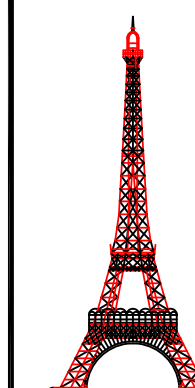
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  - A. WALL IS CONSTRUCTED CONCURRENTLY WITH INTERSECTING WALLS WITH A MAXIMUM DISTANCE BETWEEN WALLS OF 24'-0".
  - B. WALL HAS A HEIGHT  $\leq 10'-0"$
  - C. WALL HAS A HEIGHT  $\leq 14'-0"$  AND THE 1st. 4' HEIGHT OF WALL IS REINFORCED W/ #4's @ 48" O.C.
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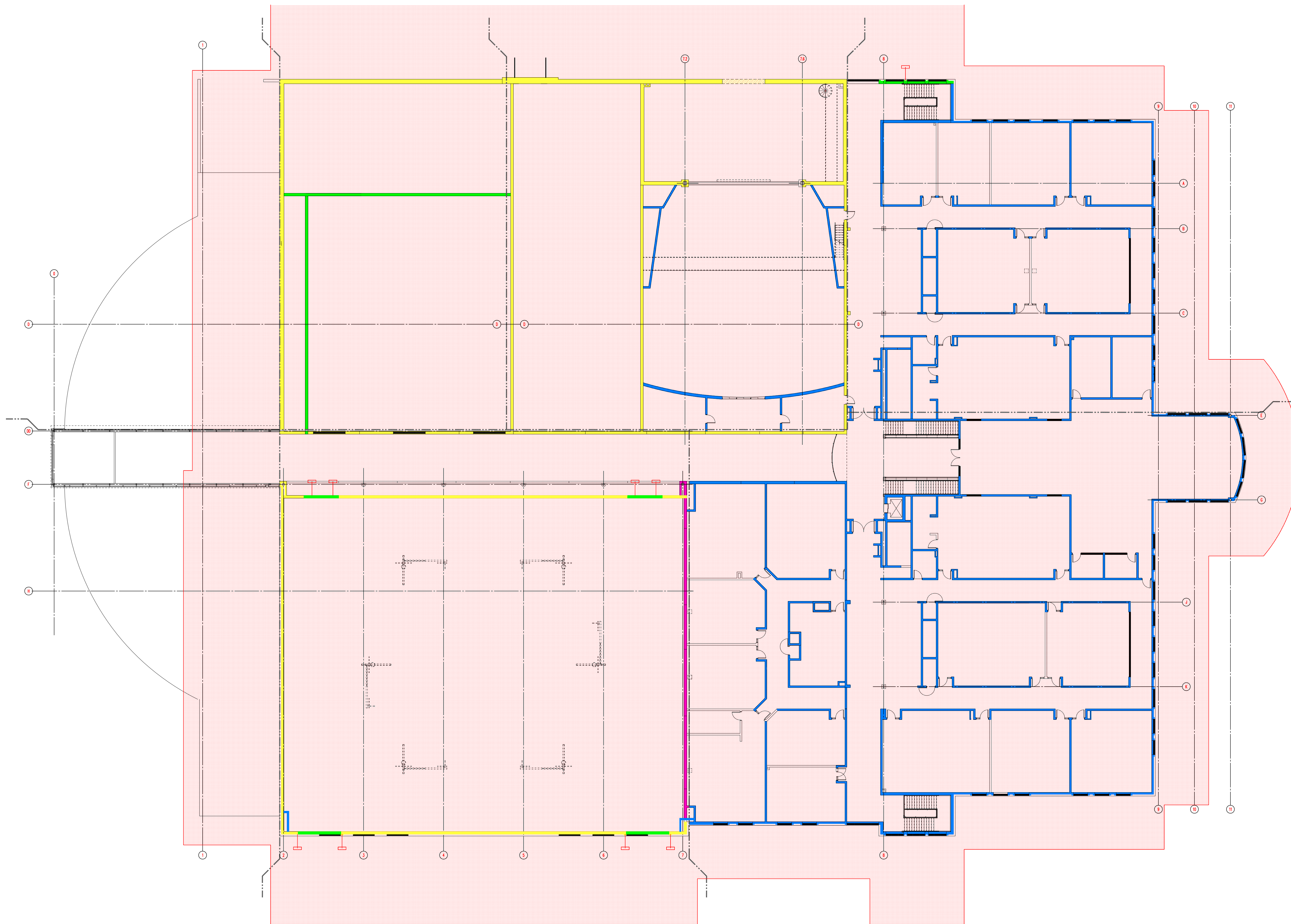
DRAWN BY: M. FOWLER | CHK'D. BY: TA DAILEY | APP'D. BY:

**FIRST LEVEL COMPOSITE FLOOR PLAN**

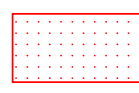





DATE: 06/29/2011 | REV.: 1  
SCALE: NONE

DWG NO. **MWB 1.01**





TEMPORARY MASONRY BRACING LEGEND

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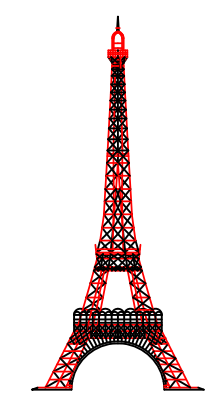
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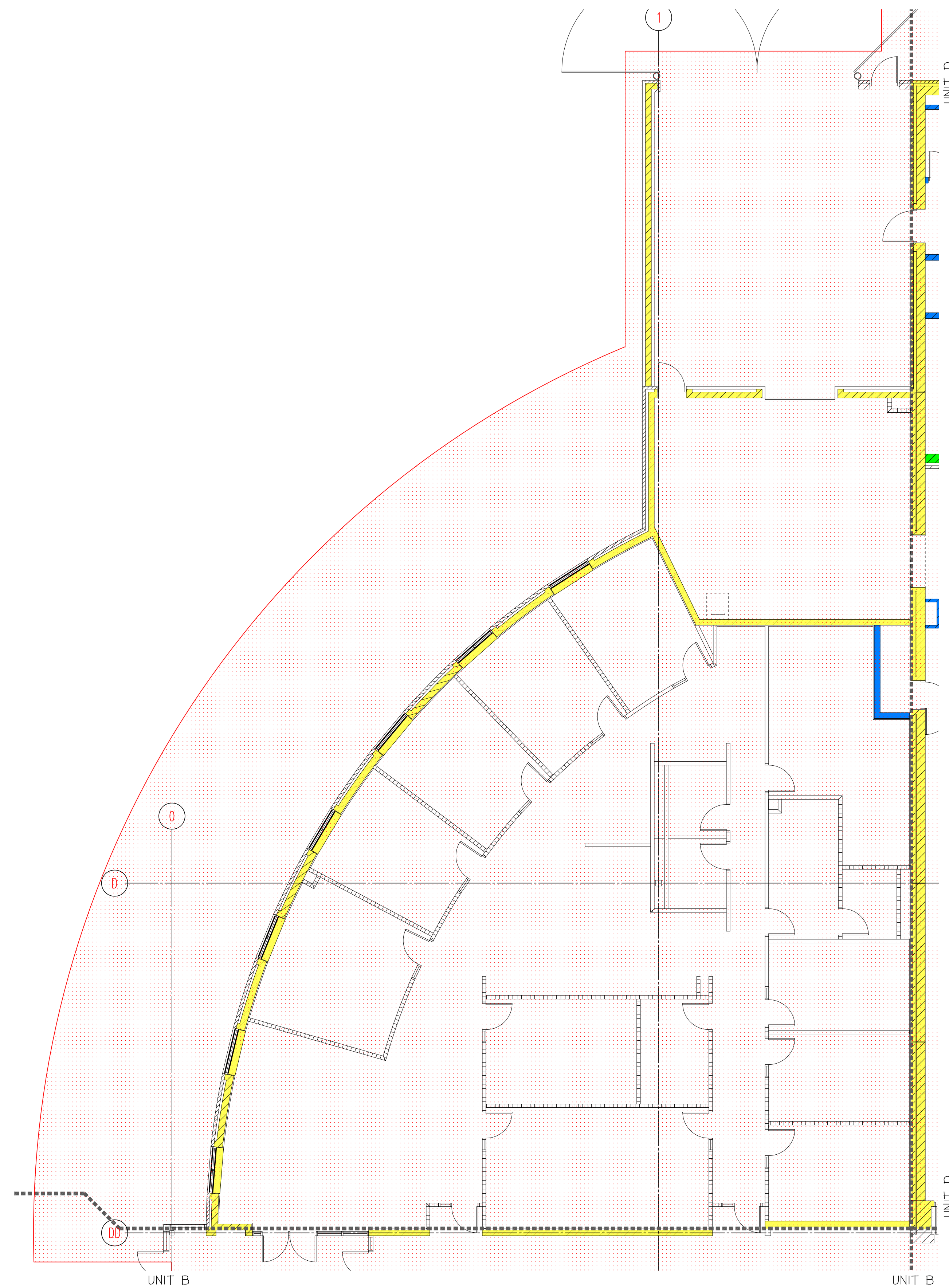
DRAWN BY: M. FOWLER | CHK'D. BY: TA DAILEY | APP'D. BY:

**SECOND LEVEL COMPOSITE FLOOR PLAN**

DATE: 06/29/2011 | REV.: 1  
SCALE: NONE

DWG NO. **MWB 1.02**





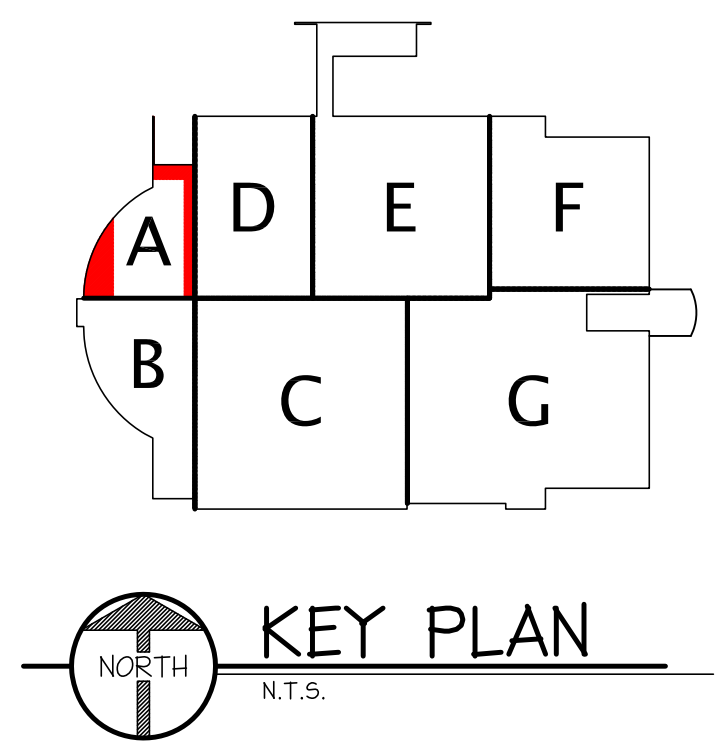
**FIRST LEVEL FLOOR PLAN - UNIT A**  
 SCALE: 1/8" = 1'-0"

**TEMPORARY MASONRY BRACING LEGEND**

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**BRACING NOTES:**

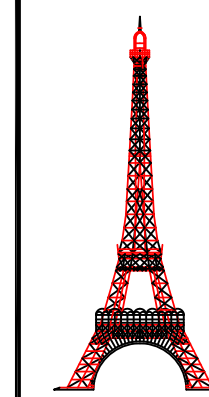
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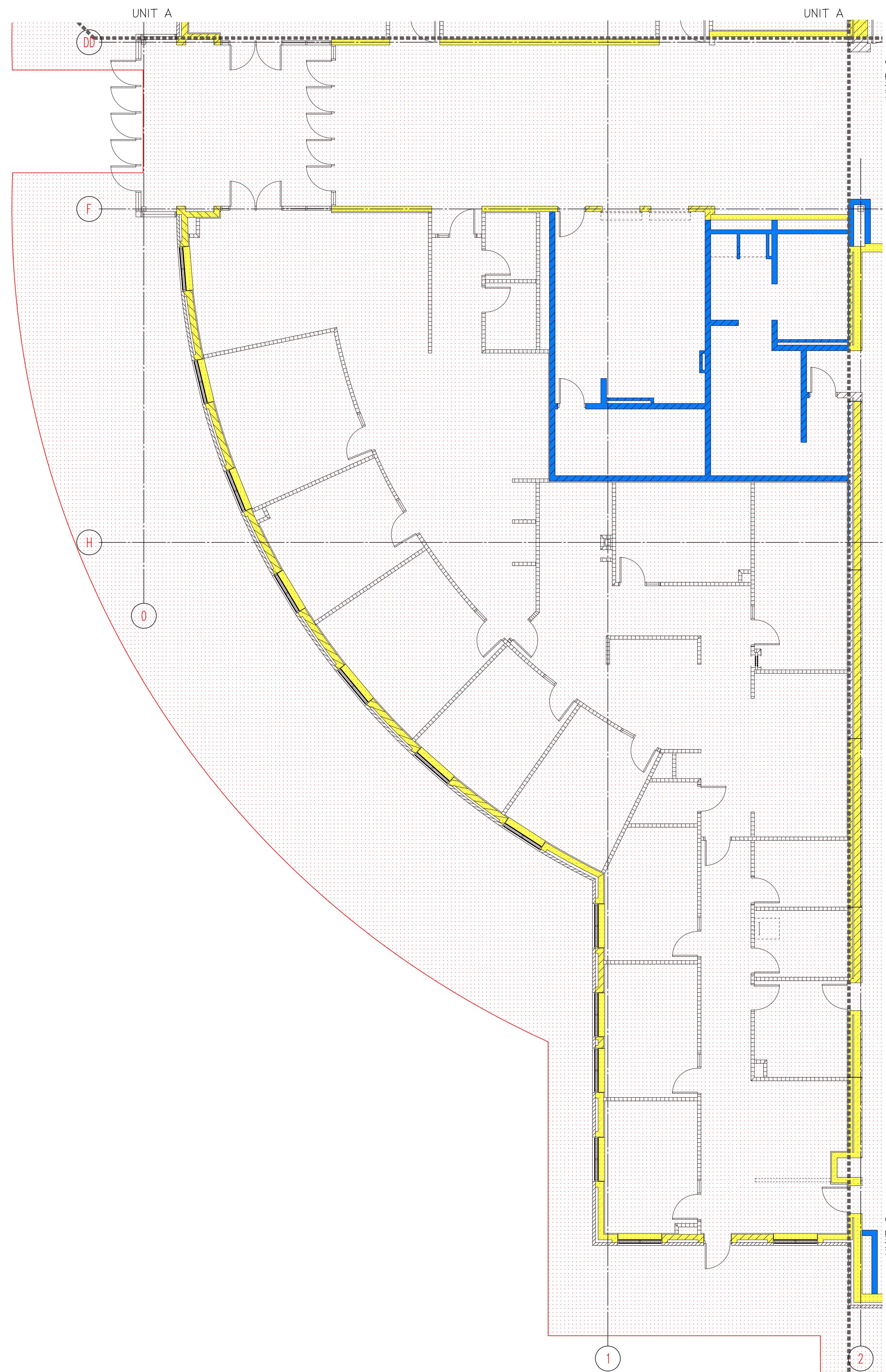
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DRAWN BY: M. FOWLER | CHK'D. BY: TA DAILEY | APP'D. BY:







**FIRST LEVEL FLOOR PLAN - UNIT A**

DATE: 06/29/2011 | REV.: 0 | DWG NO. **MWB 1.03**  
 SCALE: 1/8" = 1'-0"



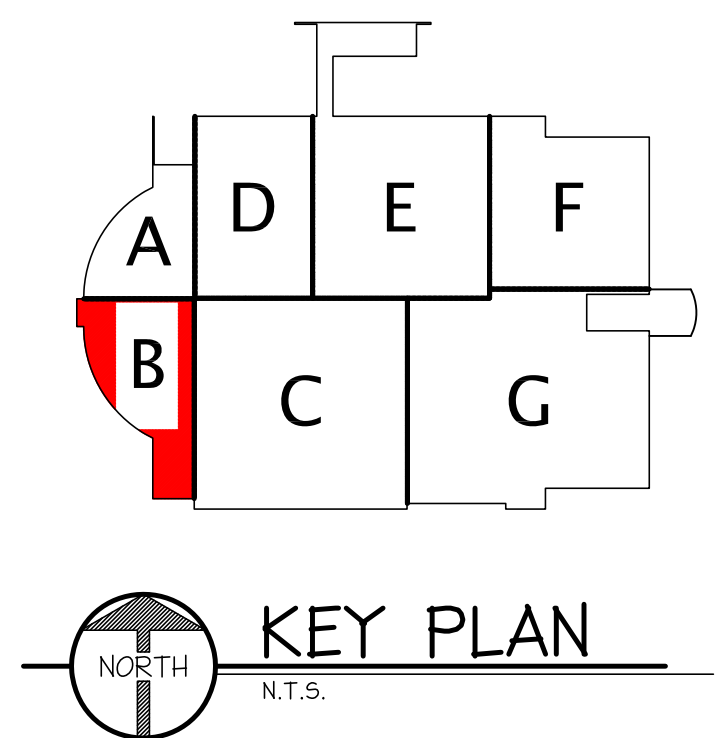


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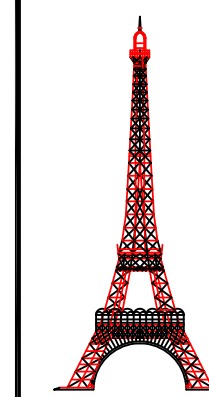
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 FIRST LEVEL FLOOR PLAN - UNIT B  
SCALE: 1/8" = 1'-0"

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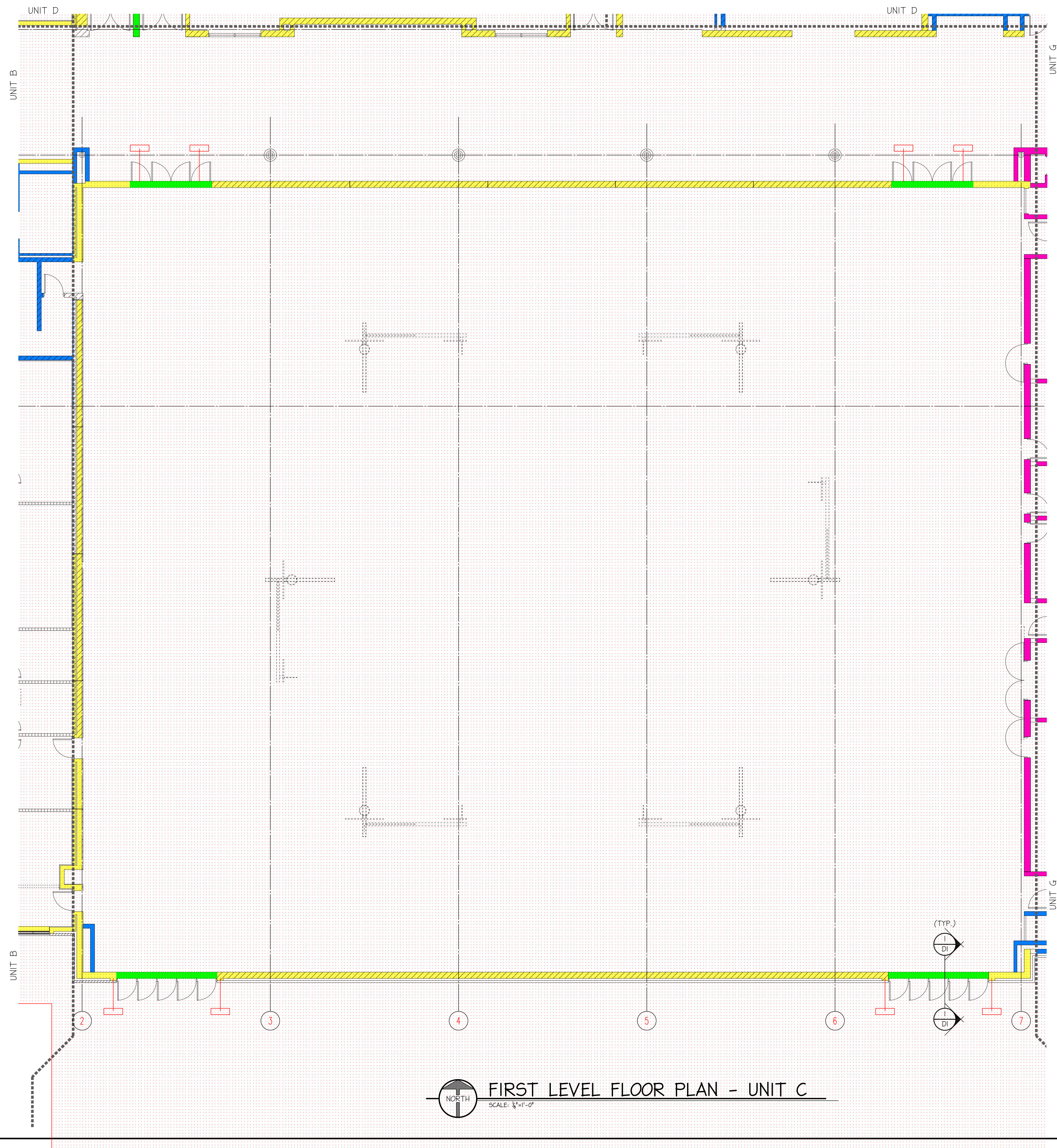
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DRAWN BY: M. FOWLER | CHK'D. BY: TA DAILEY | APP'D. BY:

**FIRST LEVEL FLOOR PLAN - UNIT B**

DATE: 06/29/2011 | REV.: 0 | DWG NO. **MWB 1.04**  
SCALE: 1/8" = 1'-0"



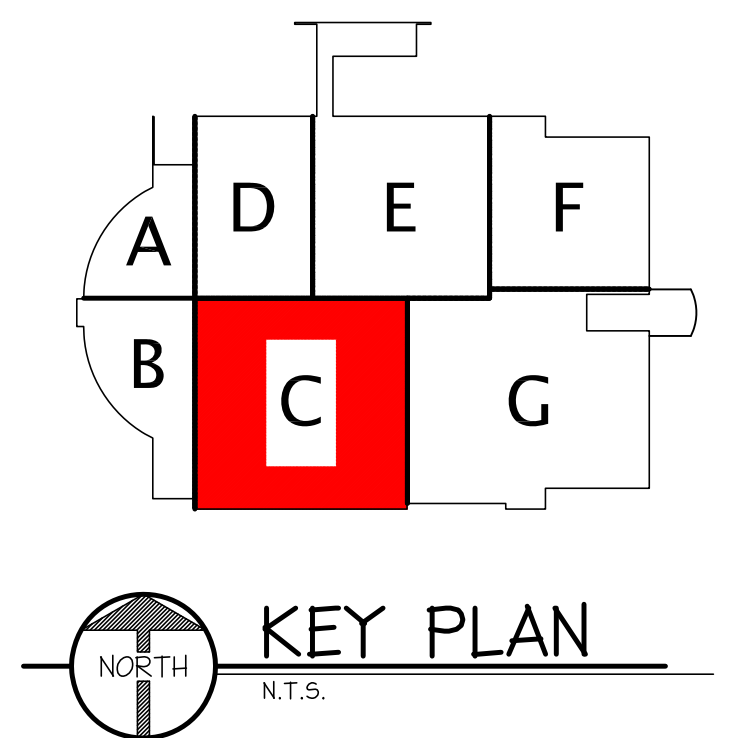


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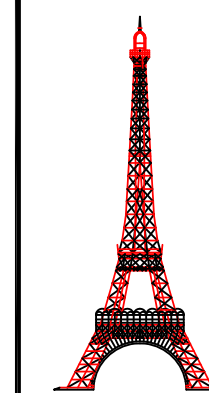
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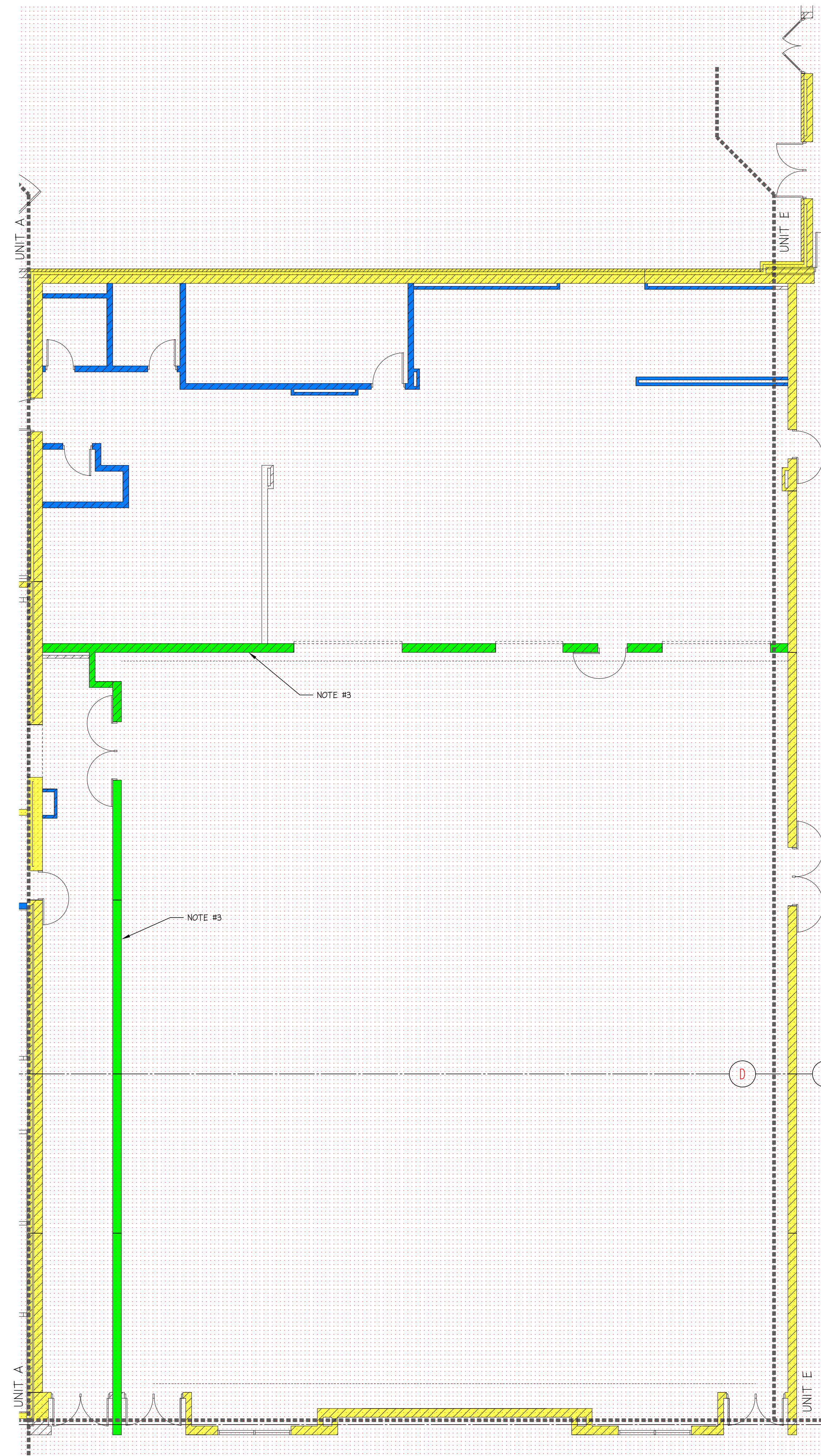
DRAWN BY: M. FOWLER | CHK'D. BY: TA DAILEY | APP'D. BY:

**FIRST LEVEL FLOOR PLAN - UNIT C**

DATE: 06/24/2011 | REV.: 0 | DWG NO. **MWB 1.05**  
SCALE: 1/8" = 1'-0"

**FIRST LEVEL FLOOR PLAN - UNIT C**  
SCALE: 1/8" = 1'-0"





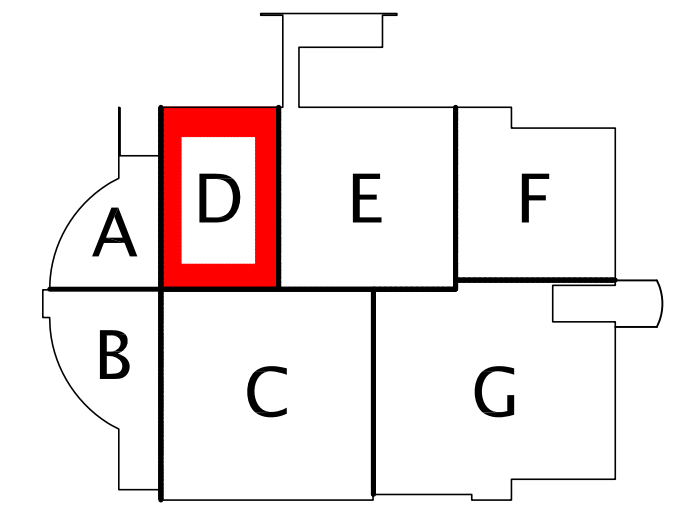
**FIRST LEVEL FLOOR PLAN - UNIT D**  
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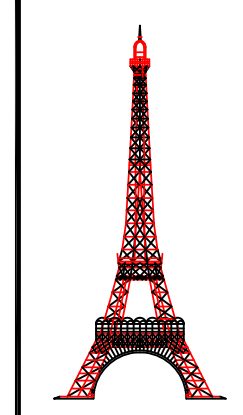
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**KEY PLAN**  
 N.T.S.

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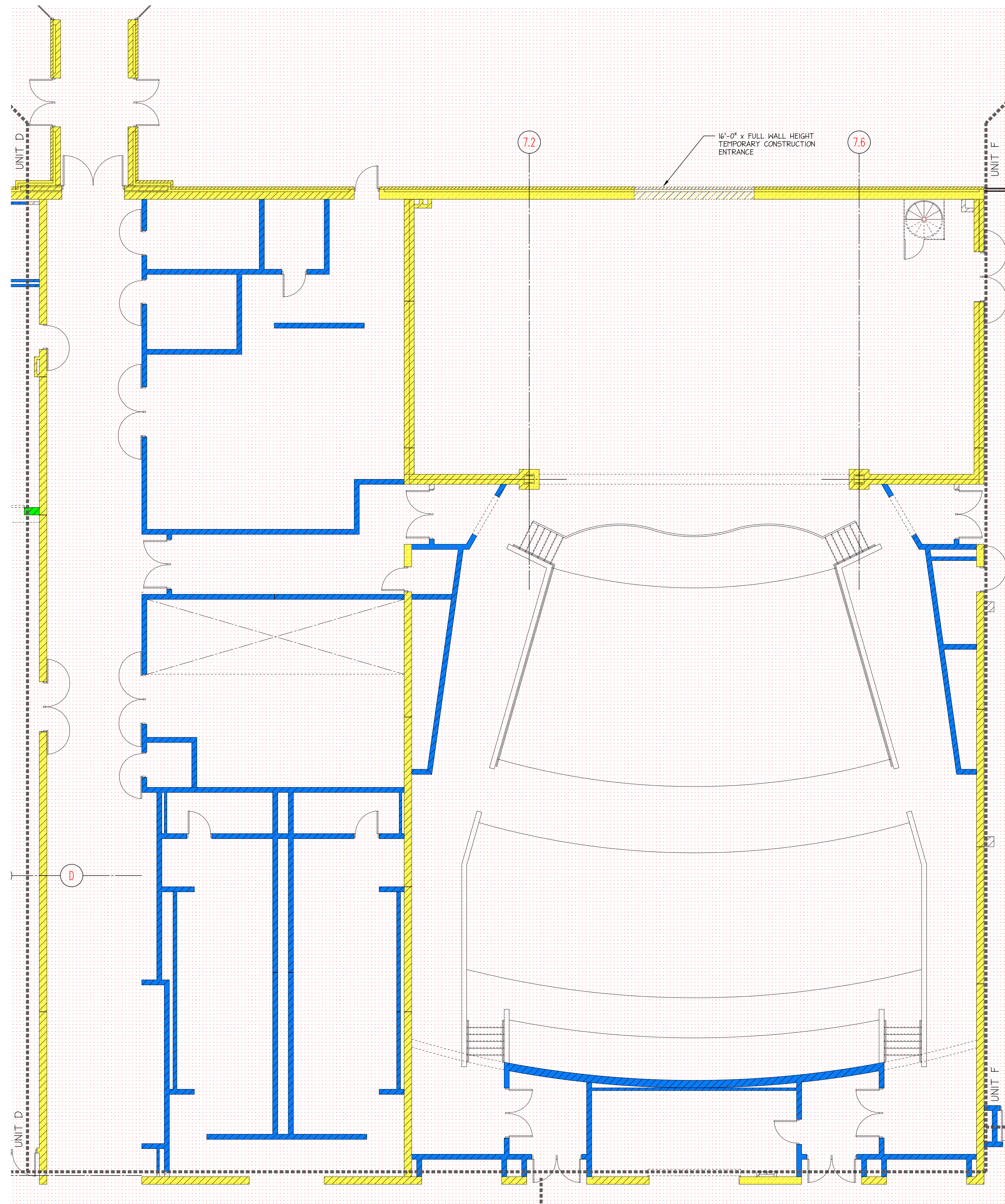
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DRAWN BY: M. FOWLER | CHK'D. BY: TA DAILEY | APP'D. BY:

**FIRST LEVEL FLOOR PLAN - UNIT D**

DATE: 06/24/2011 | REV.: 0 | DWG NO. **MWB 1.06**  
 SCALE: 1/8" = 1'-0"



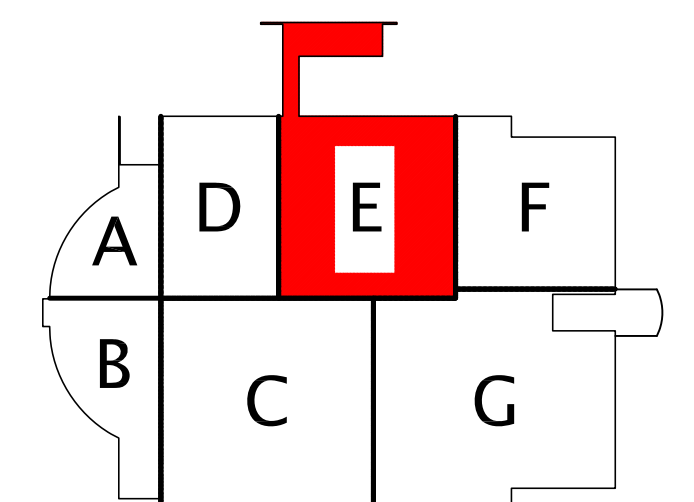


TEMPORARY MASONRY BRACING LEGEND

- RESTRICTED ZONE: EXTENDS ON EACH SIDE OF WALLS FOR A HORIZONTAL DISTANCE EQUAL TO THE CONSTRUCTED WALL HEIGHT PLUS 4'-0". ALSO CONTIGUES 4'-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:

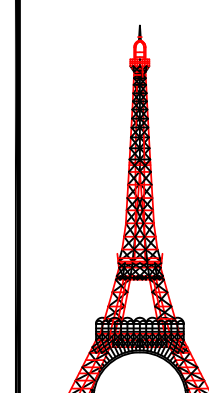
- 1) NO EXTERNAL BRACING REQUIRED PROVIDED WALL IS STOPPED AT APPROXIMATE HEIGHT OF TIE-IN TO THE 2ND FLOOR LEVEL PRECAST FRAMING, THE TIE-IN CONNECTION TO PRECAST PLANKING FRAMING IS MADE, AND THEN PROCEED WITH THE REMAINDER OF THE WALL.
- 2) NO EXTERNAL BRACING REQUIRED PROVIDED WALL MEETS ANY OF THE 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  $\leq 14'-0"$  AND THE 1st. 4' HEIGHT OF WALL IS REINFORCED W/ #4'S @ 48" O.C.
  - D. WALL HAS A HEIGHT  $\leq 10'-0"$  AND THE BOTTOM PART OF THE WALL IS SOLID GROUTED SO THAT THE MAXIMUM UNGROUTED HEIGHT OF WALL  $< 10'-0"$ .
  - E. WALL HAS A HEIGHT  $\leq 14'-8"$  AND THE WALL IS REINFORCED W/ #4'S @ 48" O.C.
- 3) EXTERNAL BRACING CAN BE ELIMINATED IF THE FOUNDATION IS CHANGED FROM "CF2" TP "CF3".



FIRST LEVEL FLOOR PLAN - UNIT E  
SCALE: 1/8" = 1'-0"

PREPARED FOR:  
**Rudolph Libbe**

6494 LATCHA ROAD  
WALBRIDGE, OHIO 43465



**DAILEY ENGINEERING, INC.**  
8485 STEPHENSON ROAD  
ONSTED, MI 49265

PH. # (517) 467-9000  
FAX # (517) 467-9010  
EMAIL - todddailey@me.com

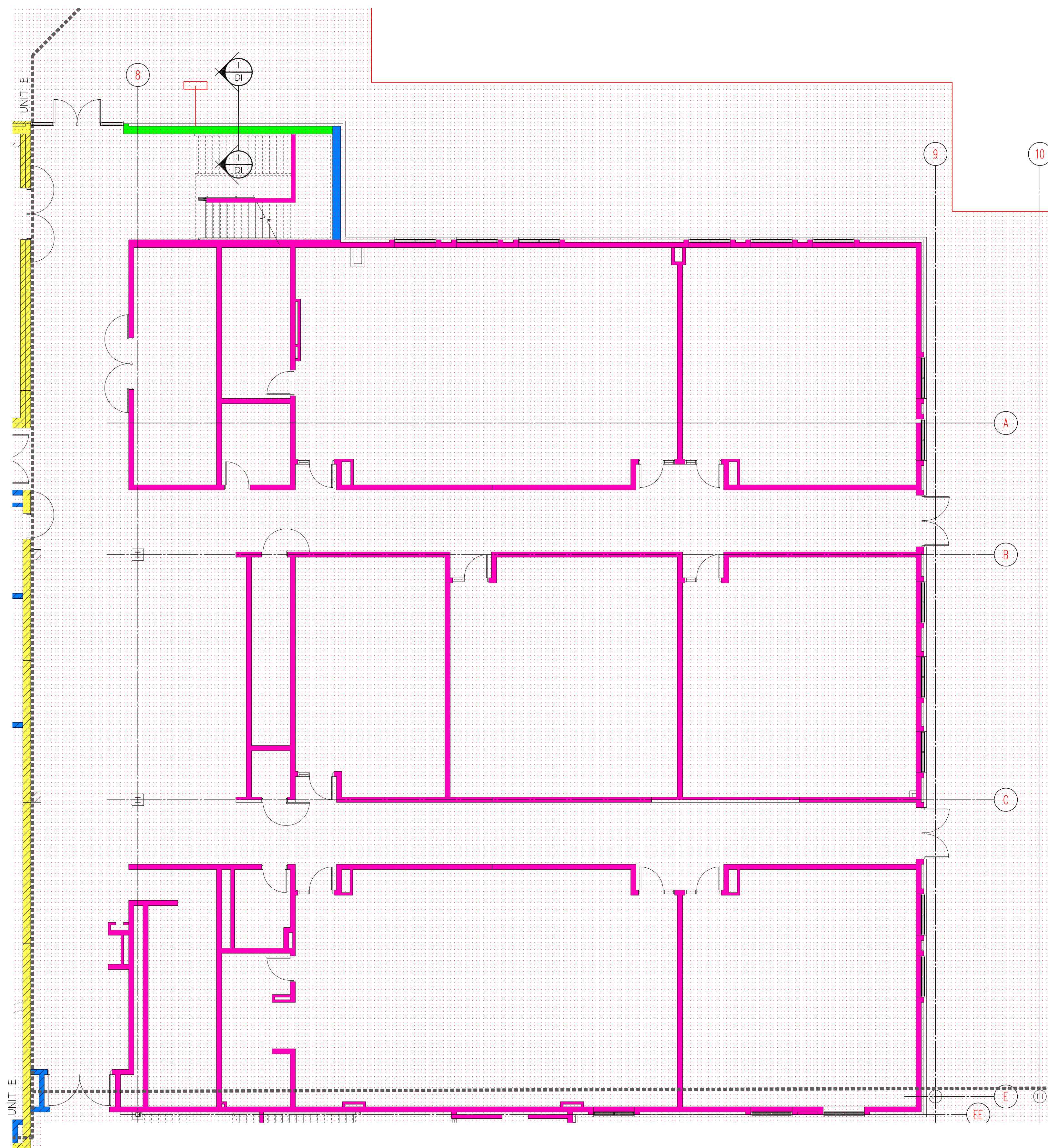
**TEMPORARY MASONRY WALL BRACING DESIGN**  
**LAKE LOCAL SCHOOLS - NEW HIGH SCHOOL**  
**28080 LEMOYNE ROAD**  
**MULLBURY, OHIO 43447**

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

**FIRST LEVEL FLOOR PLAN - UNIT E**

DATE: 06/24/2011 | REV.: 0 | DWG NO. **MWB 1.07**  
SCALE: 1/8" = 1'-0"



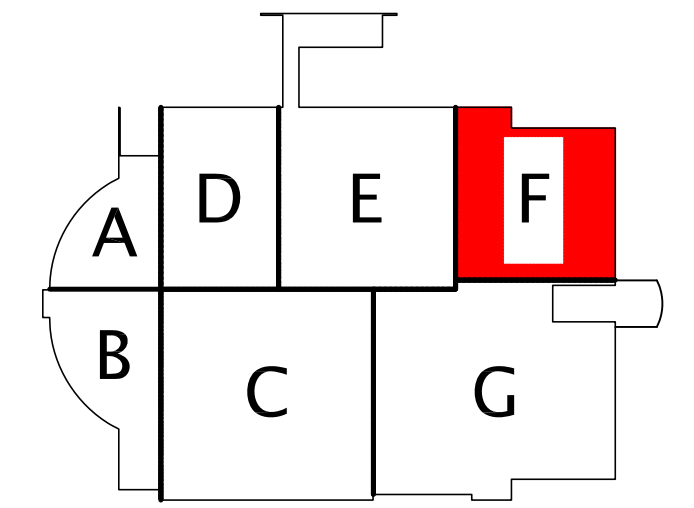


TEMPORARY MASONRY BRACING LEGEND

- RESTRICTED ZONE. EXTENDS ON EACH SIDE OF WALLS FOR A HORIZONTAL DISTANCE EQUAL TO THE CONSTRUCTED WALL HEIGHT PLUS 4'-0". ALSO CONTIGUES 4'-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 WALL IS STOPPED AT APPROXIMATE HEIGHT OF TIE-IN TO THE 2ND FLOOR LEVEL PRECAST FRAMING, THE TIE-IN CONNECTION TO PRECAST PLANKING FRAMING IS MADE, AND THEN PROCEED WITH THE REMAINDER OF THE WALL.
- 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  $\leq 14'-0"$  AND THE 1st. 4' HEIGHT OF WALL IS REINFORCED W/ #4'S @ 48" O.C.
  - D. WALL HAS A HEIGHT  $\leq 10'-0"$  AND THE BOTTOM PART OF THE WALL IS SOLID GROUTED SO THAT THE MAXIMUM UNGROUTED HEIGHT OF WALL  $< 10'-0"$ .
  - E. WALL HAS A HEIGHT  $\leq 14'-8"$  AND THE WALL IS REINFORCED W/ #4'S @ 48" O.C.
- 3) EXTERNAL BRACING CAN BE ELIMINATED IF THE FOUNDATION IS CHANGED FROM "CF2" TP "CF3".



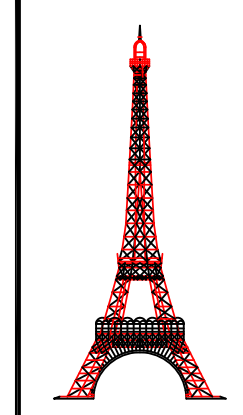
**KEY PLAN**  
NORTH  
N.T.S.

**FIRST LEVEL FLOOR PLAN - UNIT F**  
SCALE: 1/8" = 1'-0"

PREPARED FOR:

**Rudolph Libbe**

6494 LATCHA ROAD  
WALBRIDGE, OHIO 43465



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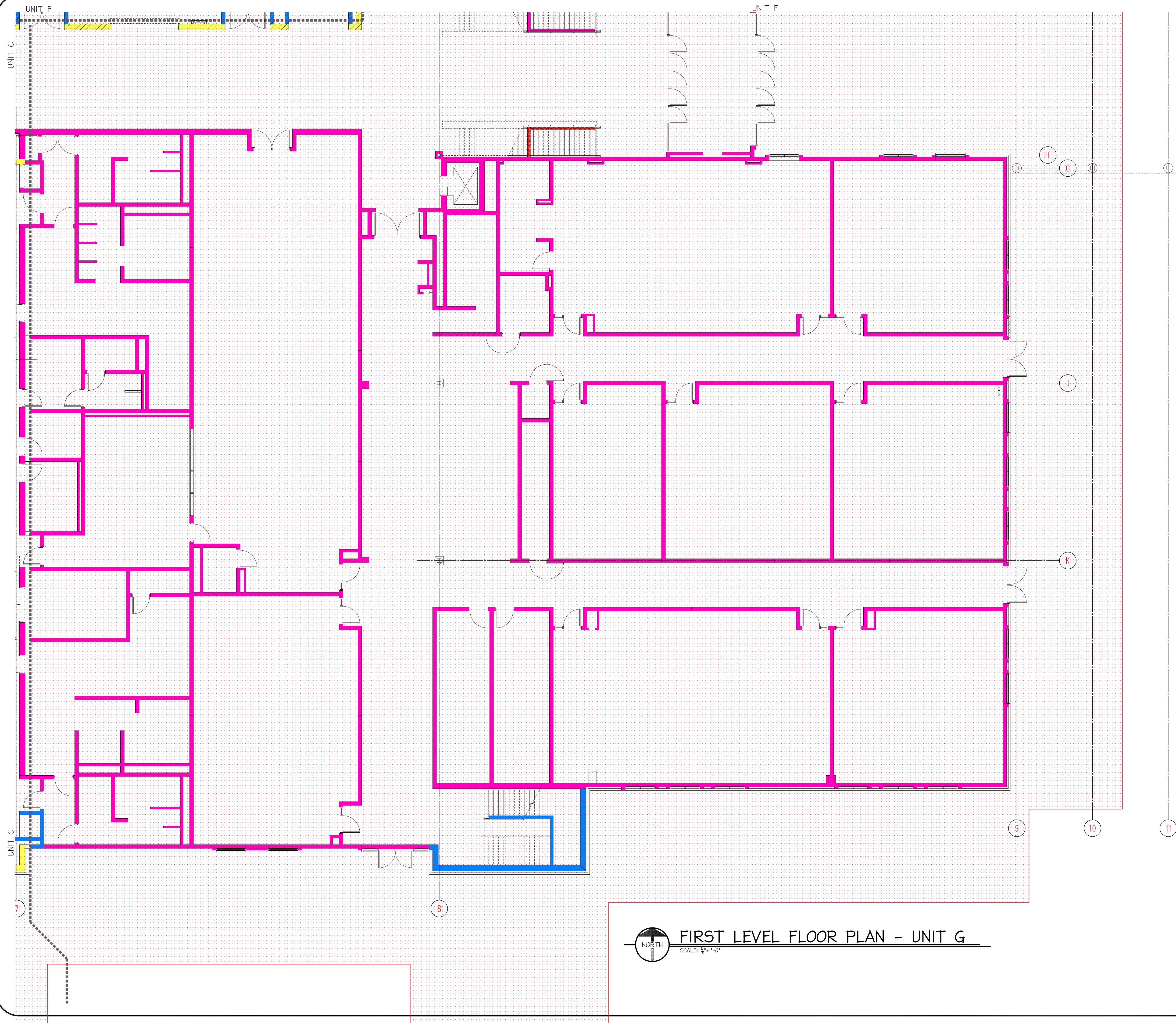
**TEMPORARY MASONRY WALL BRACING DESIGN**  
**LAKE LOCAL SCHOOLS - NEW HIGH SCHOOL**  
**28080 LEMOYNE ROAD**  
**MULLBURY, OHIO 43447**

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

**FIRST LEVEL FLOOR PLAN - UNIT F**

DATE: 06/24/2011 | REV.: 0 | DWG NO. **MWB 1.08**  
SCALE: 1/8" = 1'-0"



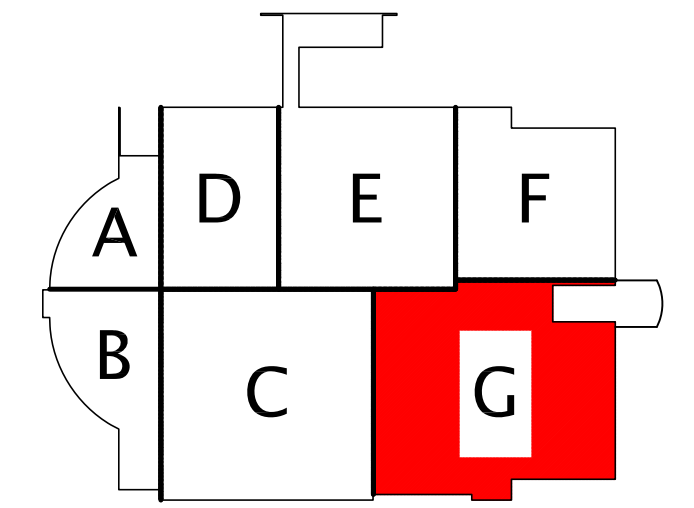


**TEMPORARY MASONRY BRACING LEGEND**

- RESTRICTED ZONE. EXTENDS ON EACH SIDE OF WALLS FOR A HORIZONTAL DISTANCE EQUAL TO THE CONSTRUCTED WALL HEIGHT PLUS 4'-0". ALSO CONTIGUES 4'-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 WALL IS STOPPED AT APPROXIMATE HEIGHT OF TIE-IN TO THE 2ND FLOOR LEVEL PRECAST FRAMING, THE TIE-IN CONNECTION TO PRECAST PLANKING FRAMING IS MADE, AND THEN PROCEED WITH THE REMAINDER OF THE WALL.
- 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  $\leq 14'-0"$  AND THE 1st. 4' HEIGHT OF WALL IS REINFORCED W/ #4'S @ 48" O.C.
  - D. WALL HAS A HEIGHT  $\leq 10'-0"$  AND THE BOTTOM PART OF THE WALL IS SOLID GROUTED SO THAT THE MAXIMUM UNGROUTED HEIGHT OF WALL  $< 10'-0"$ .
  - E. WALL HAS A HEIGHT  $\leq 14'-8"$  AND THE WALL IS REINFORCED W/ #4'S @ 48" O.C.
- 3) EXTERNAL BRACING CAN BE ELIMINATED IF THE FOUNDATION IS CHANGED FROM "CF2" TP "CF3".

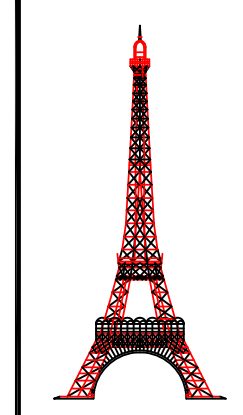


**KEY PLAN**  
NORTH  
N.T.S.

**FIRST LEVEL FLOOR PLAN - UNIT G**  
SCALE: 1/8" = 1'-0"

PREPARED FOR:  
**Rudolph Libbe**

6494 LATCHA ROAD  
WALBRIDGE, OHIO 43465



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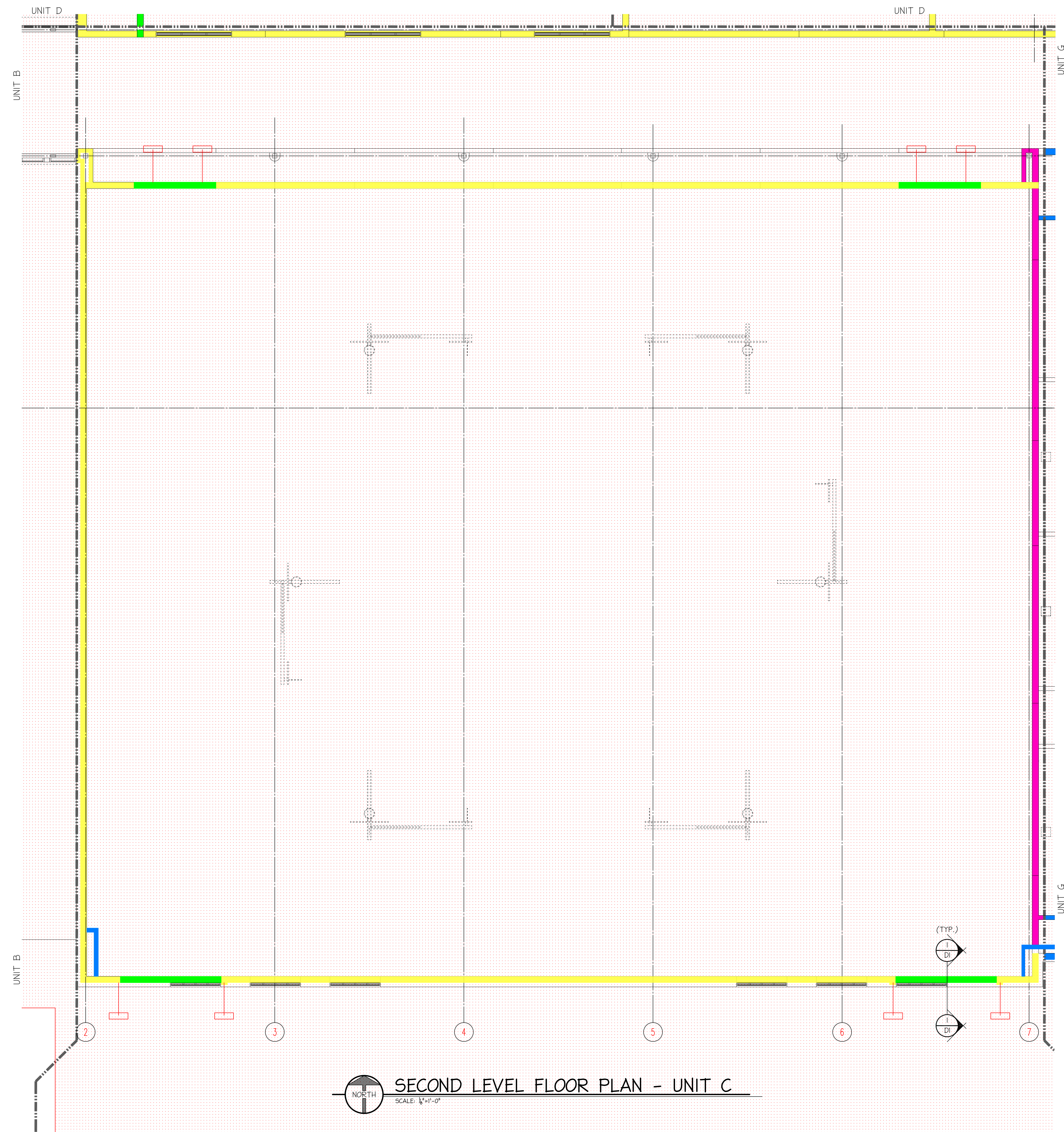
**TEMPORARY MASONRY WALL BRACING DESIGN**  
**LAKE LOCAL SCHOOLS - NEW HIGH SCHOOL**  
**28080 LEMOYNE ROAD**  
**MULLBURY, OHIO 43447**

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

**FIRST LEVEL FLOOR PLAN - UNIT G**

DATE: 06/29/2011 | REV.: 0 | DWG NO. **MWB 1.09**  
SCALE: 1/8" = 1'-0"



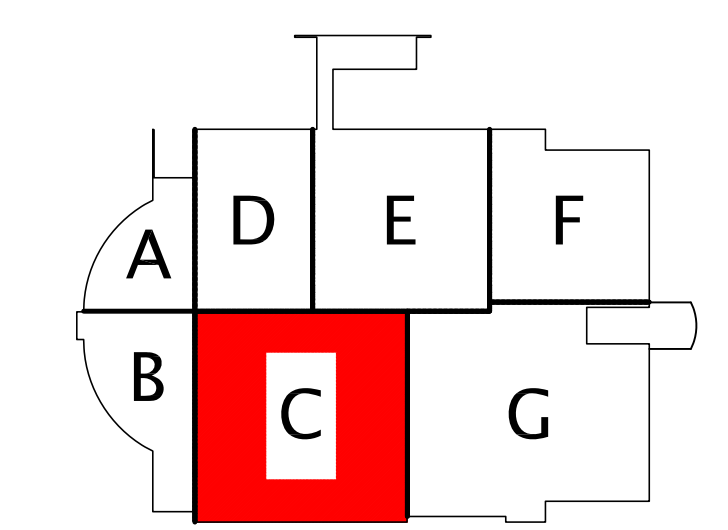


**TEMPORARY MASONRY BRACING LEGEND**

- RESTRICTED ZONE. EXTENDS ON EACH SIDE OF WALLS FOR A HORIZONTAL DISTANCE EQUAL TO THE CONSTRUCTED WALL HEIGHT PLUS 4'-0". ALSO CONTIGUES 4'-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 WALL IS STOPPED AT APPROXIMATE HEIGHT OF TIE-IN TO THE 2nd FLOOR LEVEL PRECAST FRAMING. THE TIE-IN CONNECTION TO PRECAST FRAMING IS MADE, AND THEN PROCEED WITH THE REMAINDER OF THE WALL.
- 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  $\leq 14'-0"$  AND THE 1st. 4' HEIGHT OF WALL IS REINFORCED W/ #4's @ 48" O.C.
  - 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  $< 10'-0"$ .
  - E. WALL HAS A HEIGHT  $\leq 14'-8"$  AND THE WALL IS REINFORCED W/ #4's @ 48" O.C.
- 3) EXTERNAL BRACING CAN BE ELIMINATED IF THE FOUNDATION IS CHANGED FROM 'CF2' TO 'CF3'.



**KEY PLAN**  
N.T.S.

**SECOND LEVEL FLOOR PLAN - UNIT C**  
SCALE: 1/8" = 1'-0"

PREPARED FOR:

**Rudolph Libbe**  
6494 LATCHA ROAD  
WALBRIDGE, OHIO 43465

**DAILEY ENGINEERING, INC.**  
8485 STEPHENSON ROAD  
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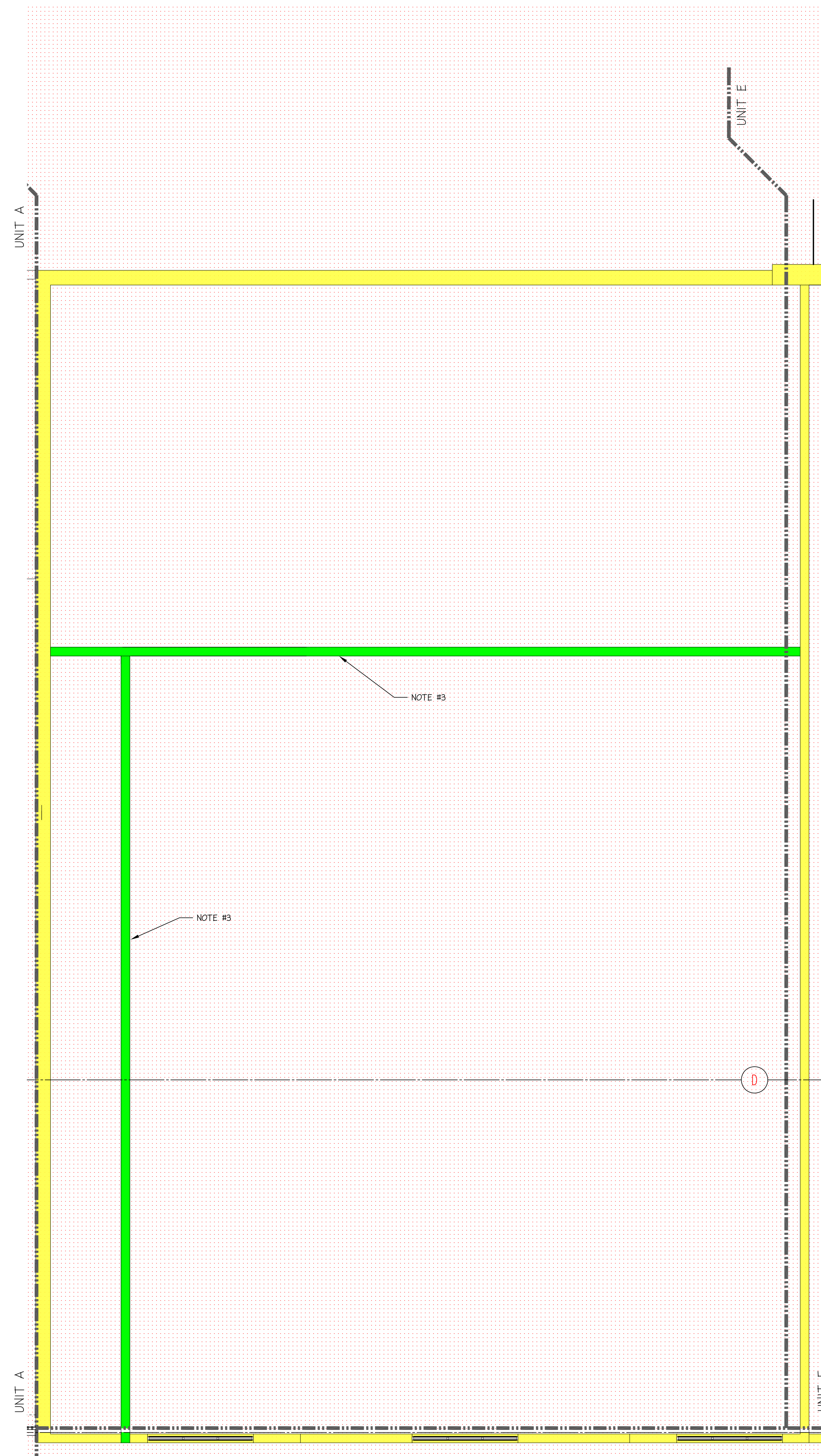
**TEMPORARY MASONRY WALL BRACING DESIGN**  
**LAKE LOCAL SCHOOLS - NEW HIGH SCHOOL**  
**28080 LEMOYNE ROAD**  
**MULLBURY, OHIO 43447**

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

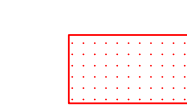





**SECOND LEVEL FLOOR PLAN - UNIT C**

DATE: 06/24/2011 | REV.: 0 | DWG NO. **MWB 1.12**  
SCALE: 1/8" = 1'-0"



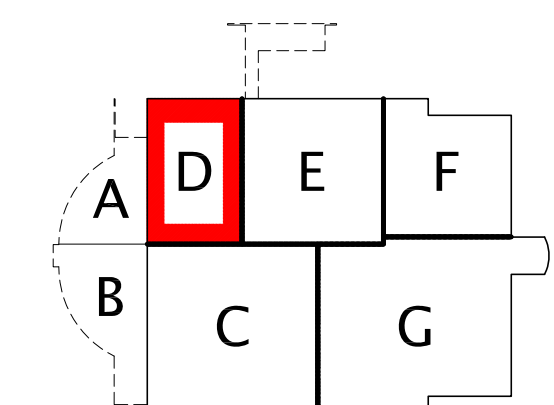


TEMPORARY MASONRY BRACING LEGEND

-  RESTRICTED ZONE: EXTENDS ON EACH SIDE OF WALLS FOR A HORIZONTAL DISTANCE EQUAL TO THE CONSTRUCTED WALL HEIGHT PLUS 4'-0". ALSO CONTIGUES 4'-0" BEYOND THE ENDS OF THE WALLS. APPLICABLE TO ALL WALLS GREATER THAN 8' IN HEIGHT.
-  INTERNALLY BRACED WALL (NO EXTERNAL BRACING REQUIRED) (SEE BRACING NOTE #1)
-  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 WALL IS STOPPED AT APPROXIMATE HEIGHT OF TIE-IN TO THE 2ND FLOOR LEVEL PRECAST FRAMING, THE TIE-IN CONNECTION TO PRECAST PLANKING FRAMING IS MADE, AND THEN PROCEED WITH THE REMAINDER OF THE WALL.
- 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  $\leq 14'-0"$  AND THE 1st. 4' HEIGHT OF WALL IS REINFORCED W/ #4'S @ 48" O.C.
  - D. WALL HAS A HEIGHT  $\leq 10'-0"$  AND THE BOTTOM PART OF THE WALL IS SOLID GROUTED SO THAT THE MAXIMUM UNGROUTED HEIGHT OF WALL  $< 10'-0"$ .
  - E. WALL HAS A HEIGHT  $\leq 14'-8"$  AND THE WALL IS REINFORCED W/ #4'S @ 48" O.C.
- 3) EXTERNAL BRACING CAN BE ELIMINATED IF THE FOUNDATION IS CHANGED FROM "CF2" TP "CF3".

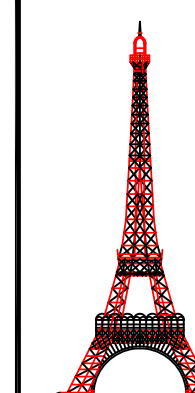


KEY PLAN  
N.T.S.

PREPARED FOR:

**Rudolph Libbe**

6494 LATCHA ROAD  
WALBRIDGE, OHIO 43465



**DAILEY ENGINEERING, INC.**  
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EMAIL - todddailey@me.com

**TEMPORARY MASONRY WALL BRACING DESIGN**  
**LAKE LOCAL SCHOOLS - NEW HIGH SCHOOL**  
**28080 LEMOYNE ROAD**  
**MULLBURY, OHIO 43447**

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

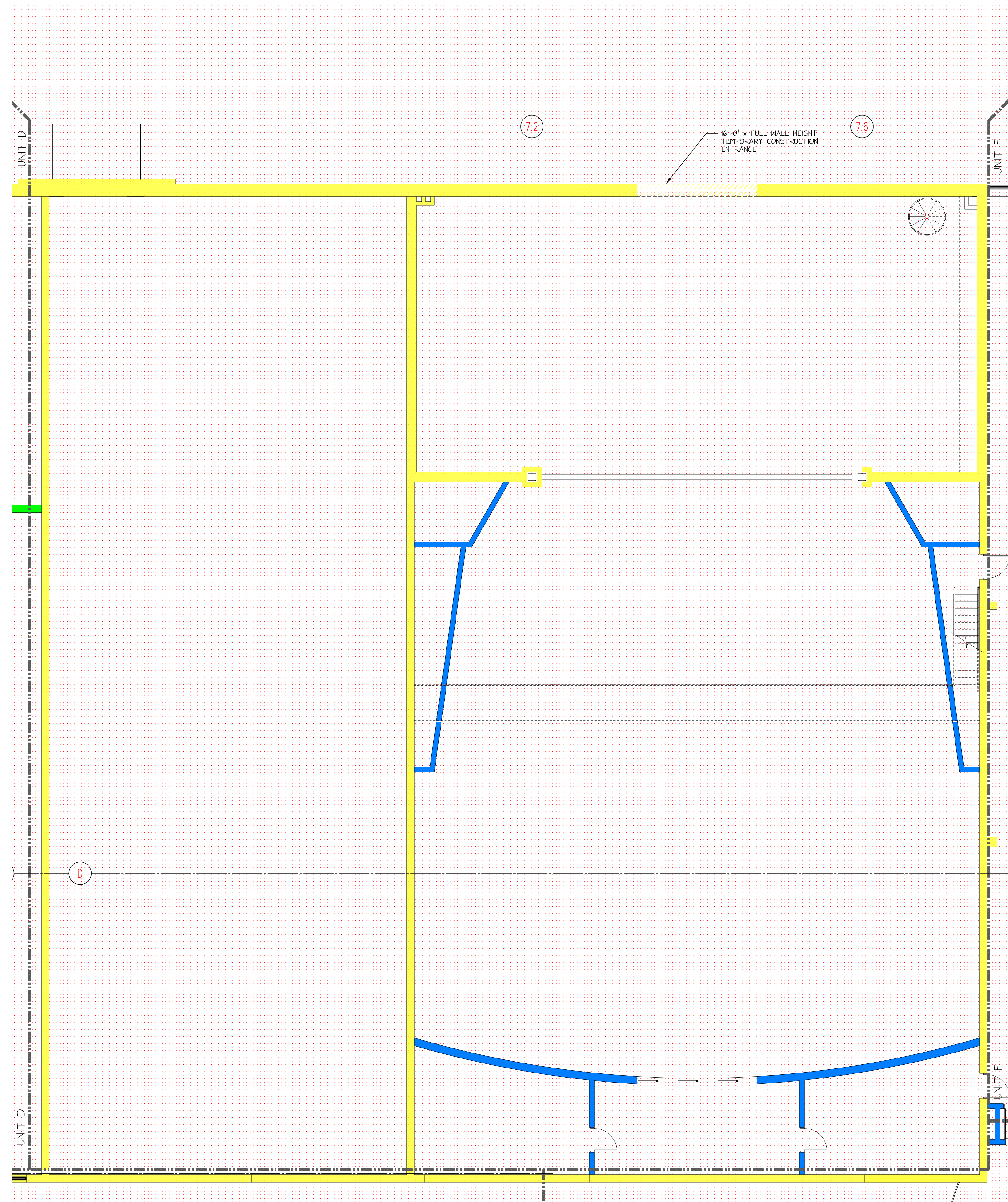
**SECOND LEVEL FLOOR PLAN - UNIT D**

DATE: 06/24/2011 | REV.: 0  
SCALE: 1/8" = 1'-0"

DWG NO. **MWB 1.13**

**SECOND LEVEL FLOOR PLAN - UNIT D**  
SCALE: 1/8" = 1'-0"



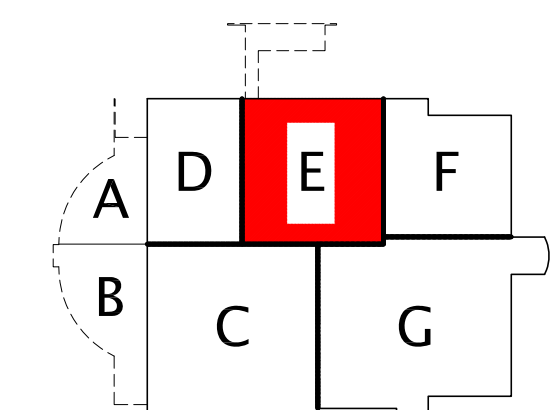


TEMPORARY MASONRY BRACING LEGEND

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- 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:

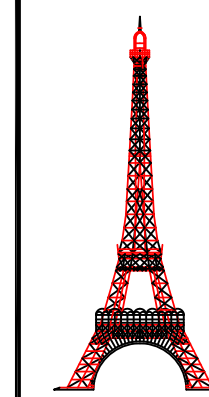
- 1) NO EXTERNAL BRACING REQUIRED PROVIDED WALL IS STOPPED AT APPROXIMATE HEIGHT OF TIE-IN TO THE 2ND FLOOR LEVEL PRECAST FRAMING, THE TIE-IN CONNECTION TO PRECAST PLANKING FRAMING IS MADE, AND THEN PROCEED WITH THE REMAINDER OF THE WALL.
- 2) NO EXTERNAL BRACING REQUIRED PROVIDED WALL MEETS ANY OF THE 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  $\leq 14'-0"$  AND THE 1st. 4' HEIGHT OF WALL IS REINFORCED W/ #4'S @ 48" O.C.
  - D. WALL HAS A HEIGHT  $\leq 10'-0"$  AND THE BOTTOM PART OF THE WALL IS SOLID GROUTED SO THAT THE MAXIMUM UNGROUTED HEIGHT OF WALL  $< 10'-0"$ .
  - E. WALL HAS A HEIGHT  $\leq 14'-8"$  AND THE WALL IS REINFORCED W/ #4'S @ 48" O.C.
- 3) EXTERNAL BRACING CAN BE ELIMINATED IF THE FOUNDATION IS CHANGED FROM "CF2" TP "CF3".



SECOND LEVEL FLOOR PLAN - UNIT E  
SCALE: 1/8" = 1'-0"

PREPARED FOR:  
**Rudolph Libbe**

6494 LATCHA ROAD  
WALBRIDGE, OHIO 43465



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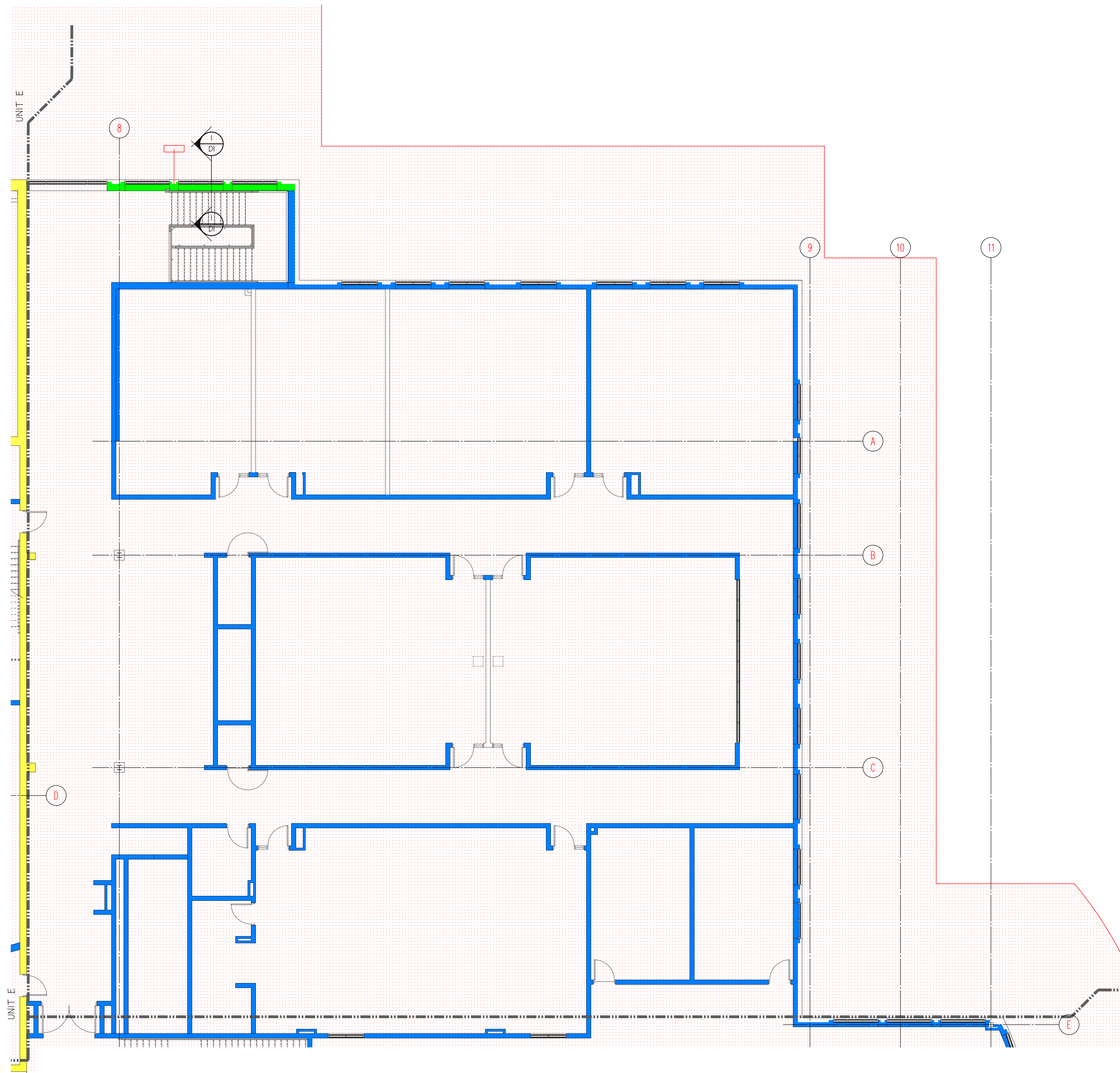
**TEMPORARY MASONRY WALL BRACING DESIGN**  
**LAKE LOCAL SCHOOLS - NEW HIGH SCHOOL**  
**28080 LEMOYNE ROAD**  
**MULLBURY, OHIO 43447**

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

**SECOND LEVEL FLOOR PLAN - UNIT E**

DATE: 06/24/2011 | REV.: 0 | DWG NO. **MWB 1.14**  
SCALE: 1/8" = 1'-0"



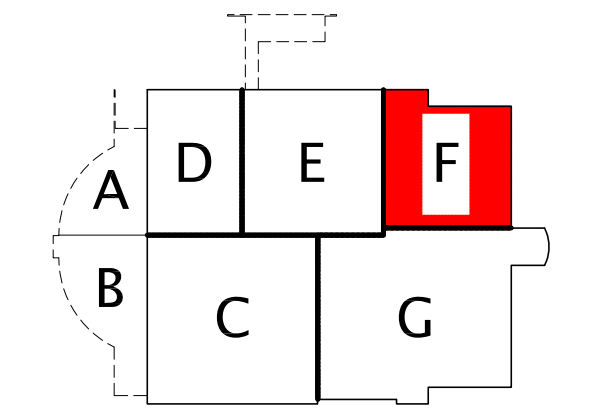


TEMPORARY MASONRY BRACING LEGEND

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- 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 WALL IS STOPPED AT APPROXIMATE HEIGHT OF TIE-IN TO THE 2ND FLOOR LEVEL PRECAST FRAMING, THE TIE-IN CONNECTION TO PRECAST PLANKING FRAMING IS MADE, AND THEN PROCEED WITH THE REMAINDER OF THE WALL.
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  - 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  $\leq 14'-0"$  AND THE 1st. 4' HEIGHT OF WALL IS REINFORCED W/ #4'S @ 48" O.C.
  - D. WALL HAS A HEIGHT  $\leq 10'-0"$  AND THE BOTTOM PART OF THE WALL IS SOLID GROUTED SO THAT THE MAXIMUM UNGROUTED HEIGHT OF WALL  $< 10'-0"$ .
  - E. WALL HAS A HEIGHT  $\leq 14'-8"$  AND THE WALL IS REINFORCED W/ #4'S @ 48" O.C.
- 3) EXTERNAL BRACING CAN BE ELIMINATED IF THE FOUNDATION IS CHANGED FROM "CF2" TP "CF3".

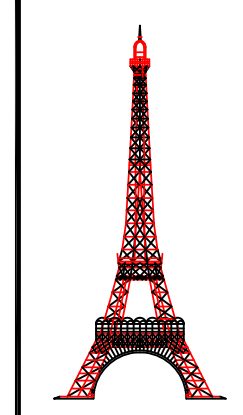


KEY PLAN  
N.T.S.

PREPARED FOR:

**Rudolph Libbe**

6494 LATCHA ROAD  
WALBRIDGE, OHIO 43465



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ONSTED, MI 49265

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EMAIL - todddailey@me.com

**TEMPORARY MASONRY WALL BRACING DESIGN**  
**LAKE LOCAL SCHOOLS - NEW HIGH SCHOOL**  
**28080 LEMOYNE ROAD**  
**MULLBURY, OHIO 43447**

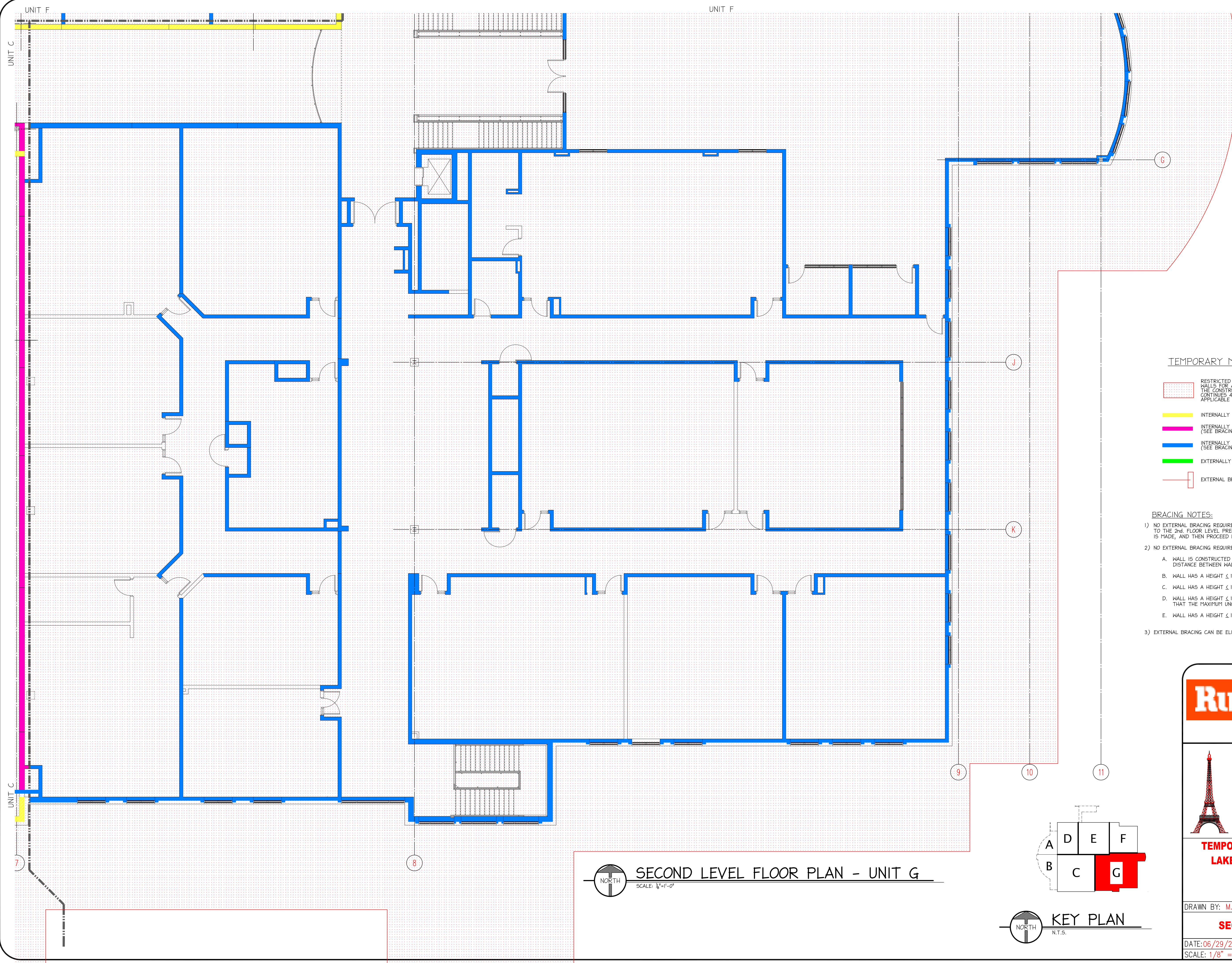
DRAWN BY: M. FOWLER | CHK'D. BY: TA DAILEY | APP'D. BY:

**SECOND LEVEL FLOOR PLAN - UNIT F**

DATE: 06/29/2011 | REV.: 1 | DWG NO. **MWB 1.15**  
SCALE: 1/8" = 1'-0"

**SECOND LEVEL FLOOR PLAN - UNIT F**  
SCALE: 1/8" = 1'-0"





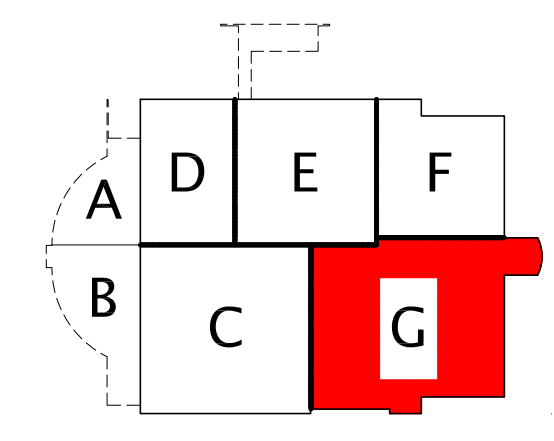
**TEMPORARY MASONRY BRACING LEGEND**

- 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 8' IN HEIGHT.
- 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 WALL IS STOPPED AT APPROXIMATE HEIGHT OF TIE-IN TO THE 2ND FLOOR LEVEL PRECAST FRAMING, THE TIE-IN CONNECTION TO PRECAST PLANKING FRAMING IS MADE, AND THEN PROCEED WITH THE REMAINDER OF THE WALL.
- 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  $\leq 14'-0"$  AND THE 1st. 4' HEIGHT OF WALL IS REINFORCED W/ #4'S @ 48" O.C.
  - 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  $< 10'-0"$ .
  - E. WALL HAS A HEIGHT  $\leq 14'-8"$  AND THE WALL IS REINFORCED W/ #4'S @ 48" O.C.
- 3) EXTERNAL BRACING CAN BE ELIMINATED IF THE FOUNDATION IS CHANGED FROM 'CF2' TP 'CF3'.

**SECOND LEVEL FLOOR PLAN - UNIT G**  
 SCALE: 1/8" = 1'-0"



**KEY PLAN**  
 N.T.S.

PREPARED FOR:  
**Rudolph Libbe**  
 6494 LATCHA ROAD  
 WALBRIDGE, OHIO 43465

**DAILEY ENGINEERING, INC.**  
 8485 STEPHENSON ROAD  
 ONSTED, MI 49265  
 PH. # (517) 467-9000  
 FAX # (517) 467-9010  
 EMAIL - todddailey@me.com

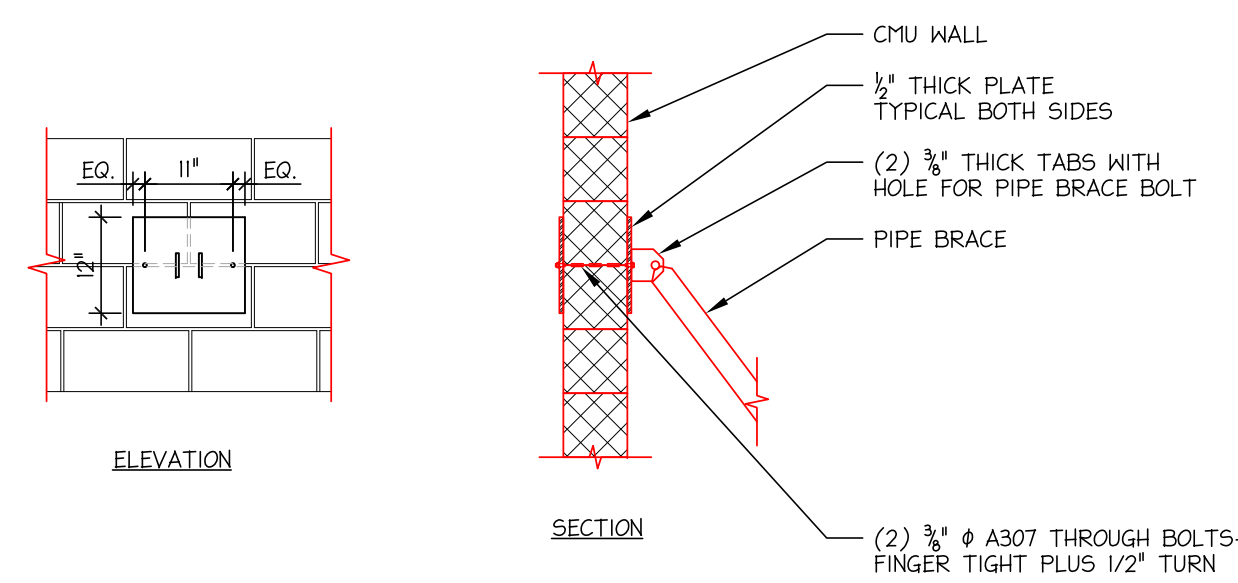
**TEMPORARY MASONRY WALL BRACING DESIGN**  
**LAKE LOCAL SCHOOLS - NEW HIGH SCHOOL**  
 28080 LEMOYNE ROAD  
 MULLBURY, OHIO 43447

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

**SECOND LEVEL FLOOR PLAN - UNIT G**

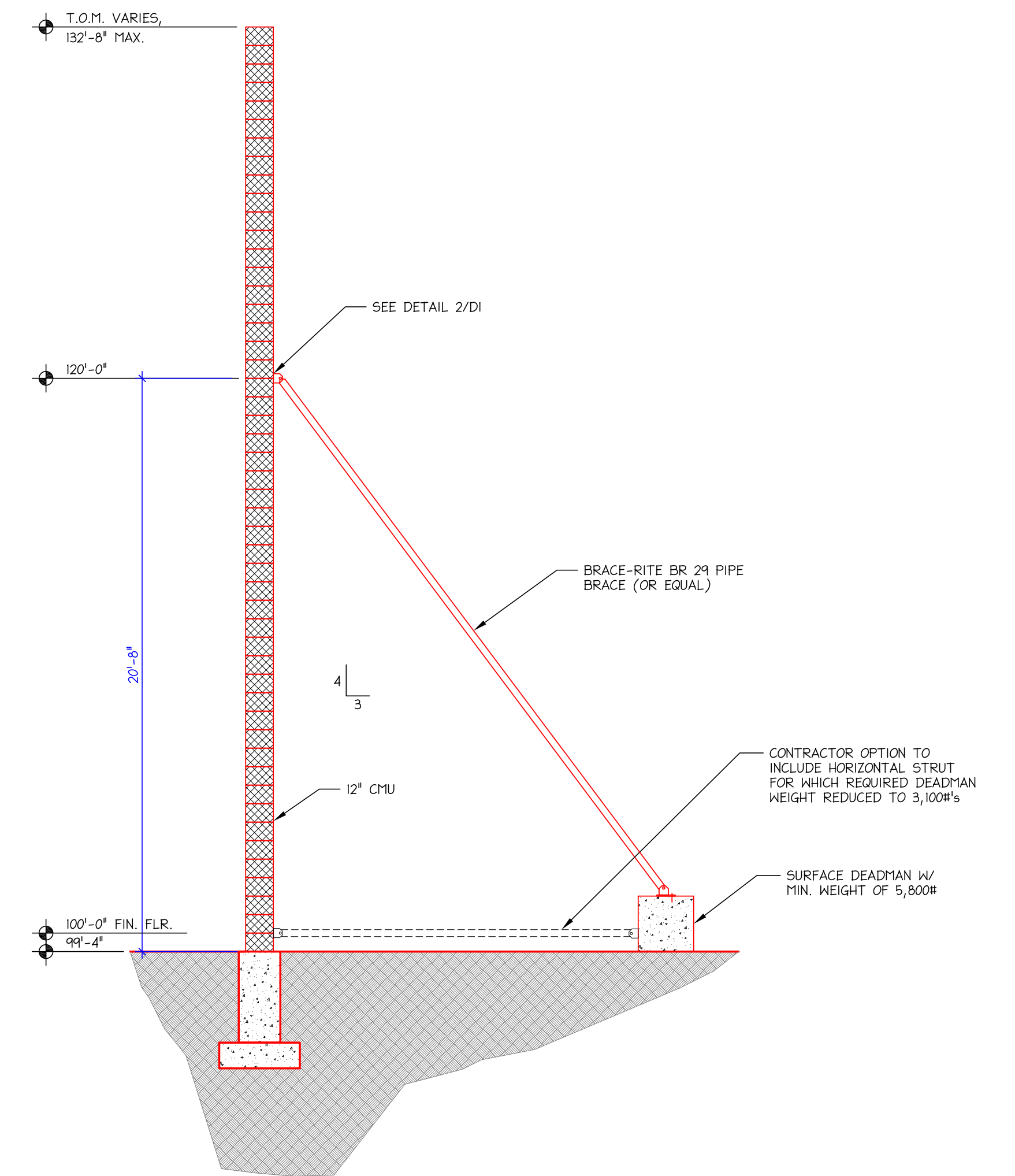
DATE: 06/29/2011 | REV.: 0 | DWG NO. **MWB 1.17**  
 SCALE: 1/8" = 1'-0"





2  
D.I. SCALE: 1/2"=1'-0"

**PIPE BRACE TOP CONNECTION DETAIL**



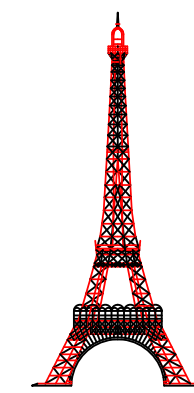
1  
D.I. SCALE: 1/2"=1'-0"

**WALL BRACE DETAIL**

PREPARED FOR:

**Rudolph Libbe**

6494 LATCHA ROAD  
WALBRIDGE, OHIO 43465



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**TEMPORARY MASONRY WALL BRACING DESIGN**  
**LAKE LOCAL SCHOOLS - NEW HIGH SCHOOL**  
**28080 LEMOYNE ROAD**  
**MULLBURY, OHIO 43447**

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

**SECTIONS AND DETAILS**

DATE: 06/30/2011 REV.: 1  
SCALE: AS SHOWN

DRAWING NO. **MWB D1**