

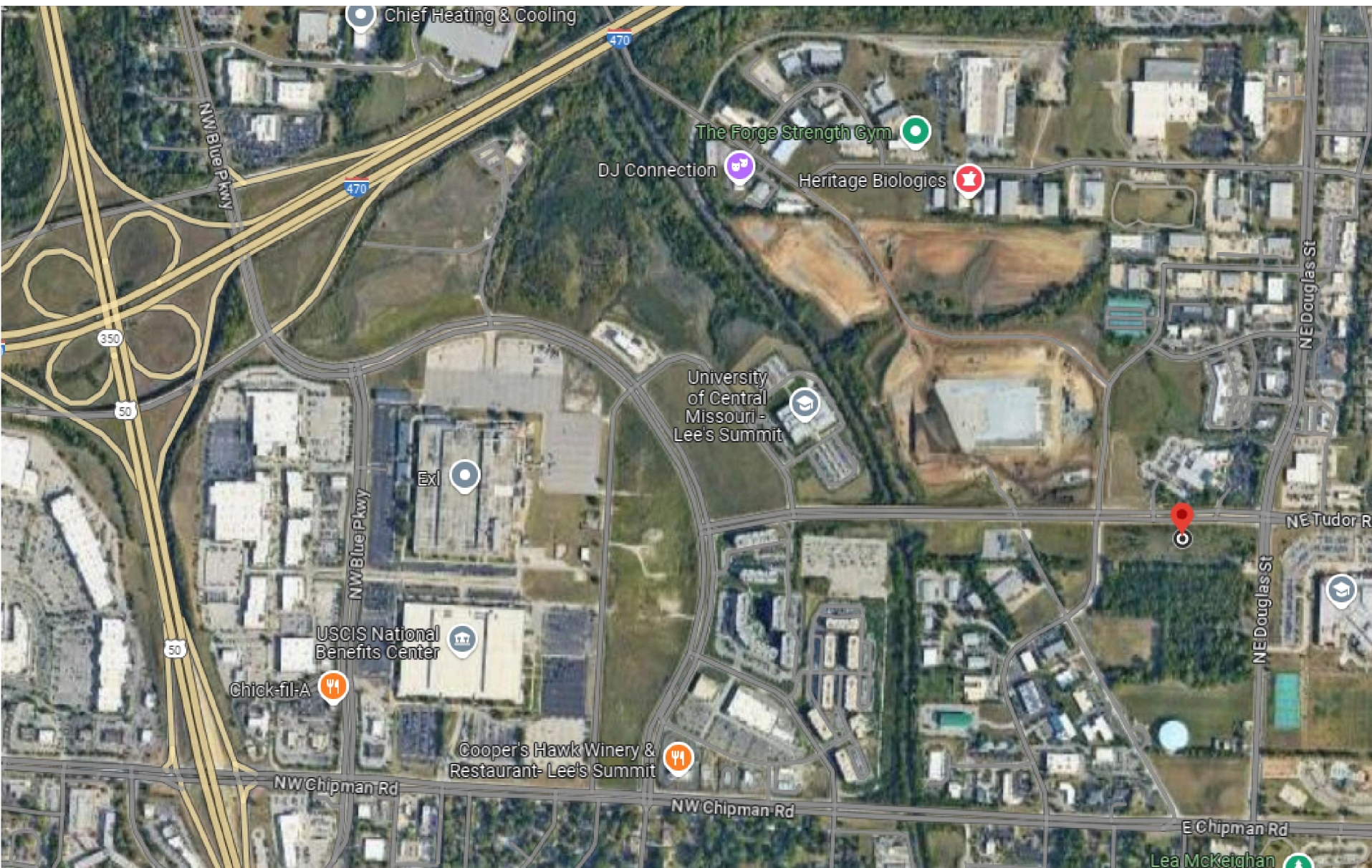
SEGMENTAL BLOCK RETAINING WALL PLANS

TUDOR MULTIFAMILY  
LEE'S SUMMIT, MO

JOB NO. OS-24-0128

PREPARED FOR:

KIWI LANDSCAPING  
PO BOX 701  
BELTON, MO 64012



VICINITY MAP  
SCALE: NONE

INDEX OF SHEETS

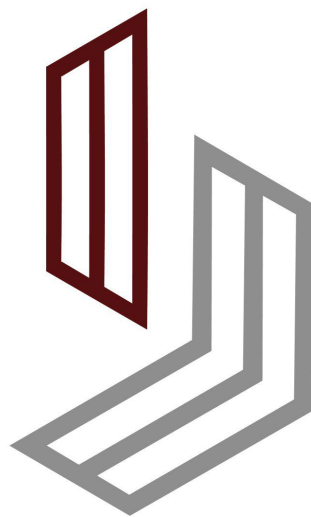
SHEET	DESCRIPTION
1	COVER SHEET
2	WALL LOCATIONS
3-8	WALL PROFILES
9	WALL DETAILS
10	WALL DETAILS & NOTES

CODES

THE APPLICABLE CODE IS THE IBC-2018 AND THE DESIGN AND DETAILING OF THE RETAINING WALL IS BASED ON ON THE IBC-2018 AND THE NCMA DESIGN MANUAL FOR SEGMENTAL RETAINING WALLS, 3RD EDITION

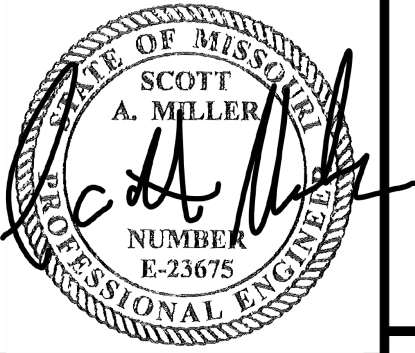
SCOPE OF WORK

THE SCOPE OF WORK INCLUDES THE DESIGN AND CONSTRUCTION OF (7) GEOGRID REINFORCED SEGMENTAL BLOCK RETAINING WALL USING THE ANCHOR DIAMOND PRO 1.0" SETBACK SYSTEM. THE WALL IS LESS THAN 11.33 FEET IN EXPOSED HEIGHT.


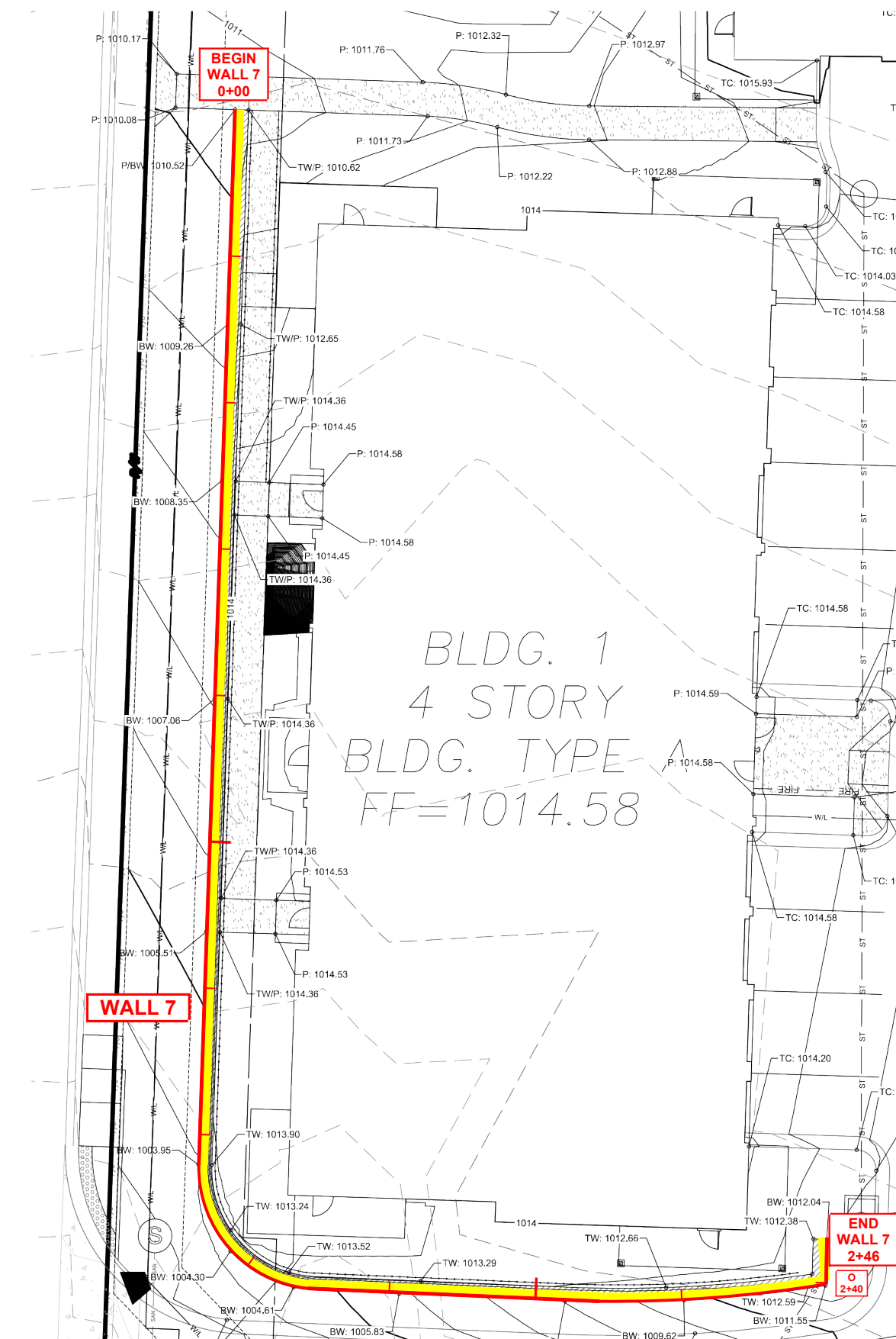
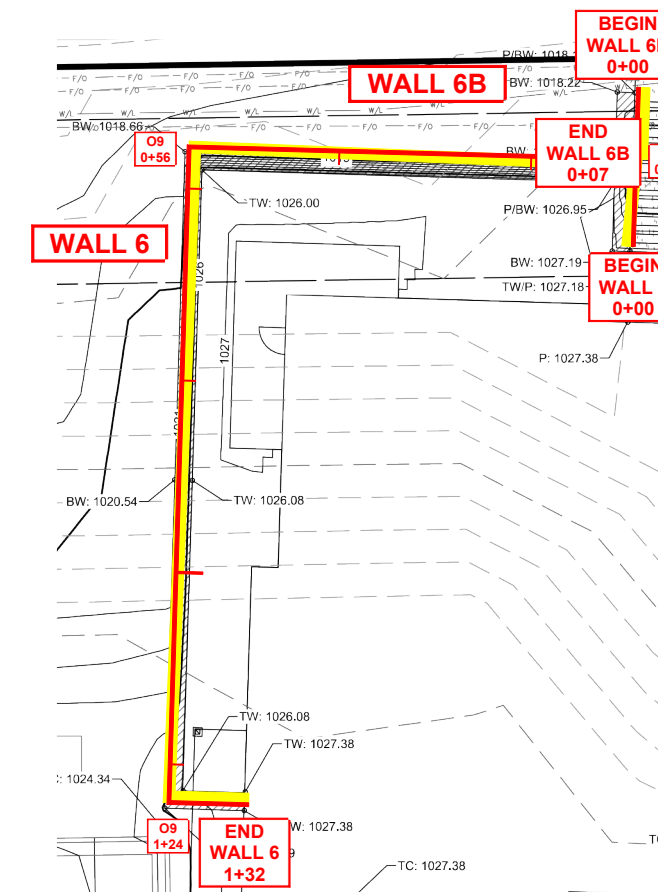
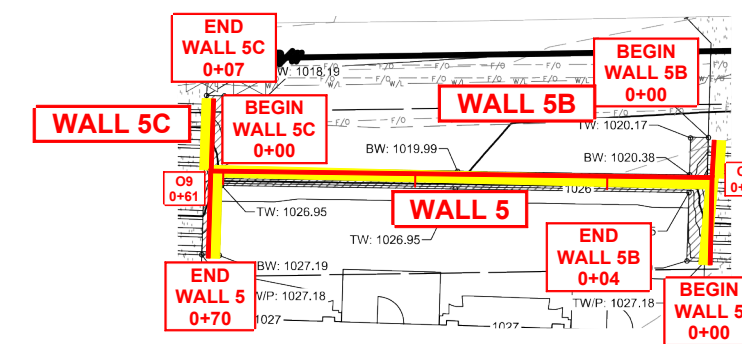


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REVISIONS			DRAWN BY: SAR CHECKED BY: TAP		TUDOR MULTIFAMILY LEE'S SUMMIT, MISSOURI		
					COVER SHEET		
				The seal appearing on this document was authorized by Scott A. Miller on October 11, 2024	JOB#:	OS-24-0128	DATE: 10/11/24
					SHEET:	1	OF 10

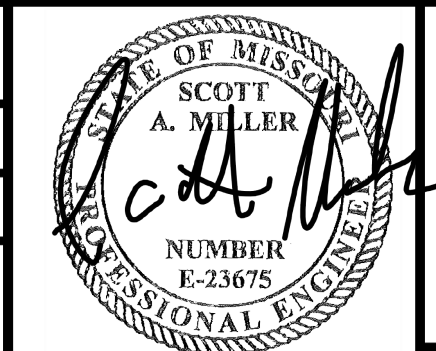




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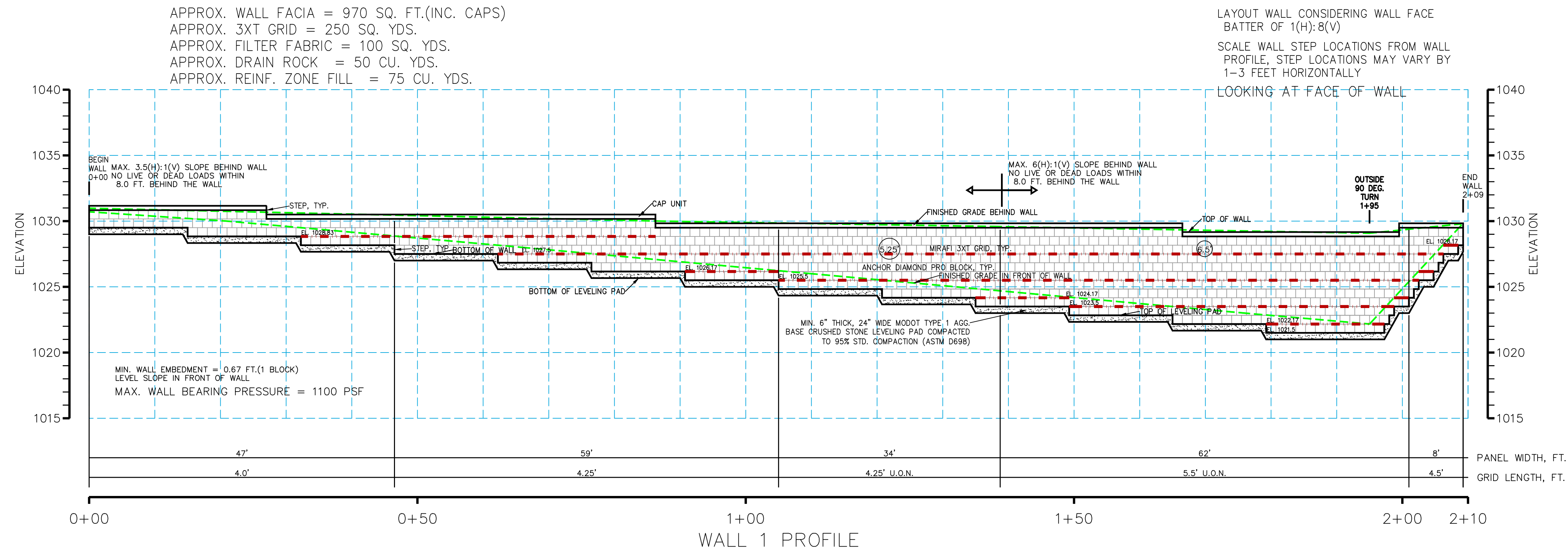
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TUDOR MULTIFAMILY  
LEE'S SUMMIT, MISSOURI

## WALL LOCATIONS

JOB#: OS-24-0128	DATE: 10/11/24	SHEET: 2 OF 10
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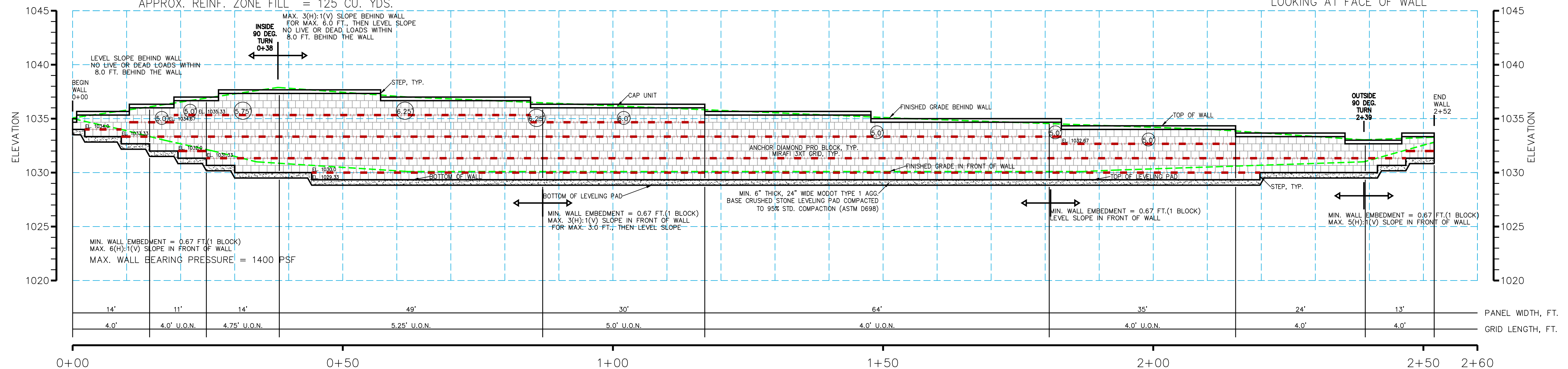




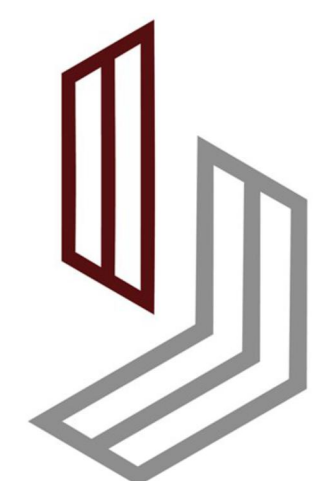
KEY  
 (X) GRID LENGTH IN FT. FOR THIS LAYER ONLY  
 - MIRAFI 3XT GRID, TYP.  
 U.O.N. - UNLESS OTHERWISE NOTED ON PROFILE  
 IN CIRCLE ON GRID LAYER

APPROX. WALL FACIA = 1470 SQ. FT.(INC. CAPS)  
 APPROX. 3XT GRID = 430 SQ. YDS.  
 APPROX. FILTER FABRIC = 120 SQ. YDS.  
 APPROX. DRAIN ROCK = 75 CU. YDS.  
 APPROX. REINF. ZONE FILL = 125 CU. YDS.

LAYOUT WALL CONSIDERING WALL FACE  
 BATTER OF 1(H):8(V)  
 SCALE WALL STEP LOCATIONS FROM WALL  
 PROFILE, STEP LOCATIONS MAY VARY BY  
 1-3 FEET HORIZONTALLY  
 LOOKING AT FACE OF WALL



KEY  
 (X) GRID LENGTH IN FT. FOR THIS LAYER ONLY  
 - MIRAFI 3XT GRID, TYP.  
 U.O.N. - UNLESS OTHERWISE NOTED ON PROFILE  
 IN CIRCLE ON GRID LAYER

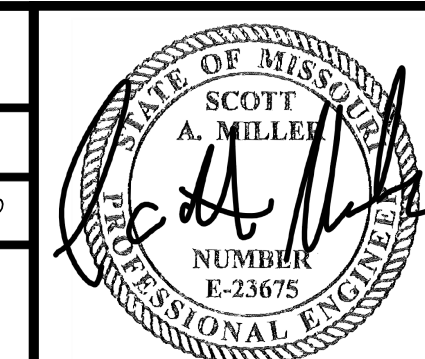


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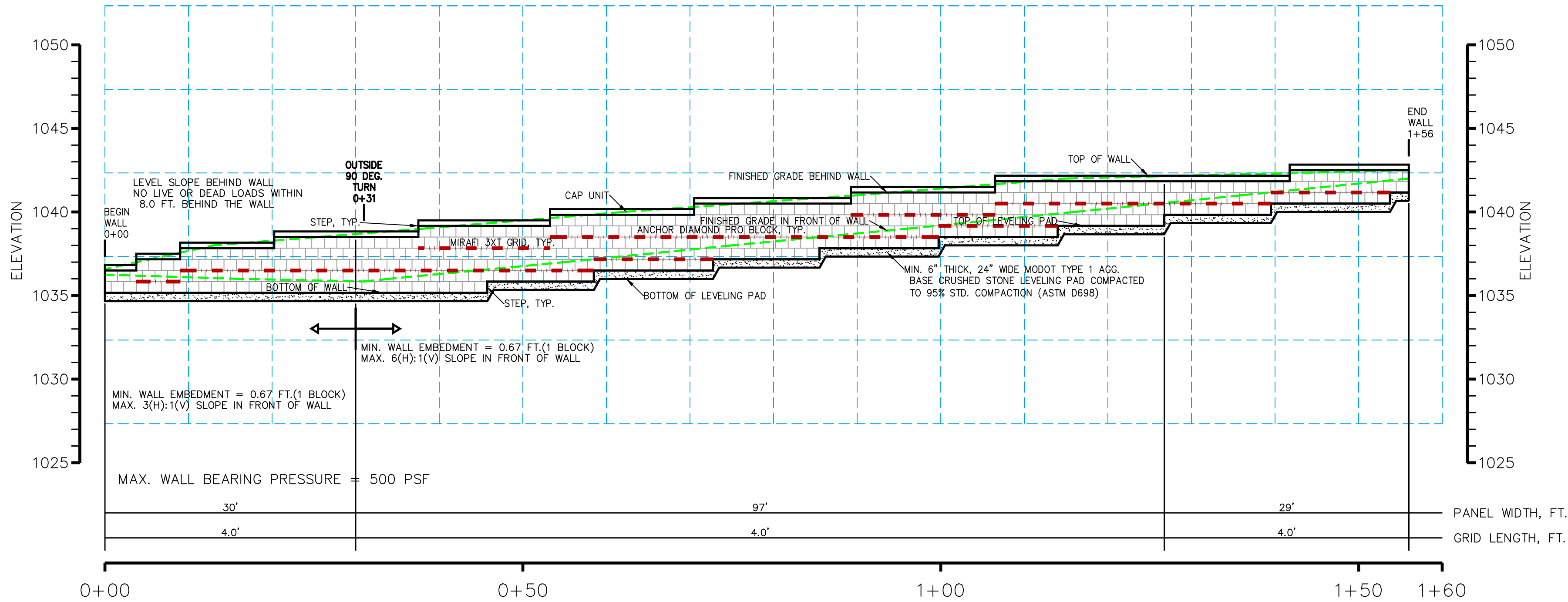
TUDOR MULTIFAMILY  
 LEE'S SUMMIT, MISSOURI

**WALL PROFILES**

JOB#: OS-24-0128 DATE: 10/11/24 SHEET: 3 OF 10

APPROX. WALL FACIA = 510 SQ. FT.(INC. CAPS)  
APPROX. 3XT GRID = 100 SQ. YDS.  
APPROX. FILTER FABRIC = 70 SQ. YDS.  
APPROX. DRAIN ROCK = 25 CU. YDS.  
APPROX. REINF. ZONE FILL = 20 CU. YDS.

LAYOUT WALL CONSIDERING WALL FACE  
BATTER OF 1(H):8(V)  
SCALE WALL STEP LOCATIONS FROM WALL  
PROFILE, STEP LOCATIONS MAY VARY BY  
1-3 FEET HORIZONTALLY  
LOOKING AT FACE OF WALL

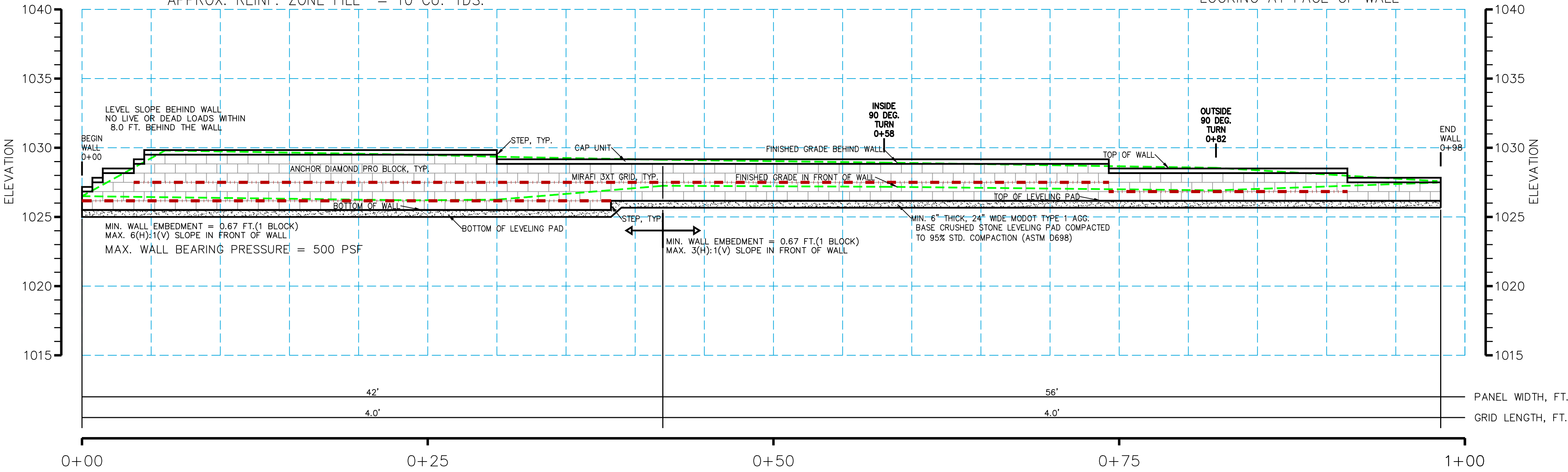


KEY  
--- MIRAFI 3XT GRID, TYP.

SCALE: HORIZ. 1" = 10'  
VERT. 1" = 5'

APPROX. WALL FACIA = 320 SQ. FT.(INC. CAPS)  
APPROX. 3XT GRID = 60 SQ. YDS.  
APPROX. FILTER FABRIC = 50 SQ. YDS.  
APPROX. DRAIN ROCK = 15 CU. YDS.  
APPROX. REINF. ZONE FILL = 10 CU. YDS.

LAYOUT WALL CONSIDERING WALL FACE  
BATTER OF 1(H):8(V)  
SCALE WALL STEP LOCATIONS FROM WALL  
PROFILE, STEP LOCATIONS MAY VARY BY  
1-3 FEET HORIZONTALLY  
LOOKING AT FACE OF WALL



KEY  
--- MIRAFI 3XT GRID, TYP.

SCALE: HORIZ. 1" = 5'  
VERT. 1" = 5'

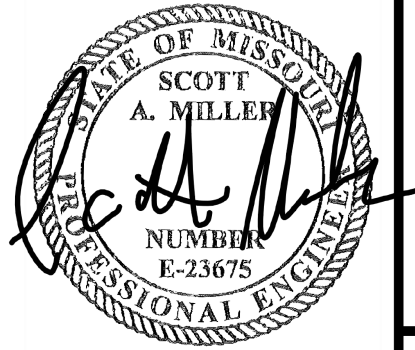


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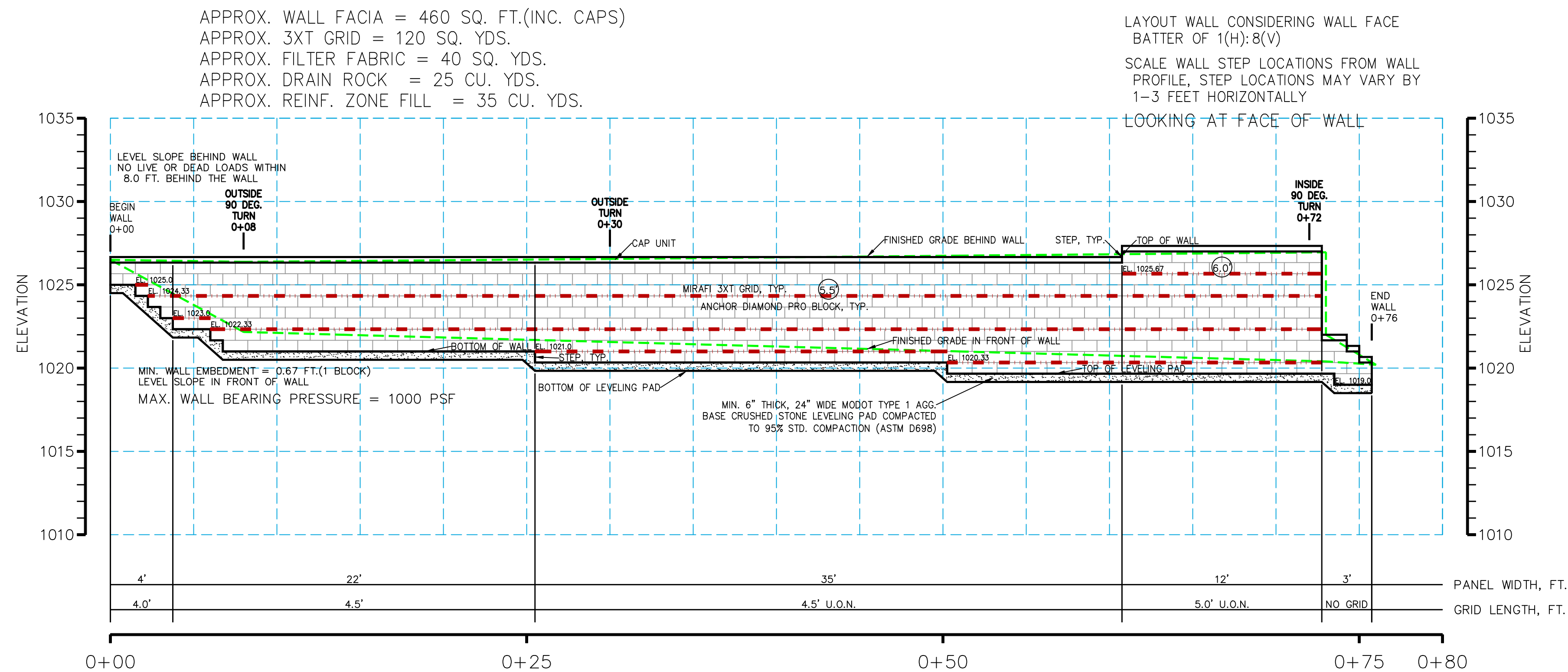
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WALL PROFILES

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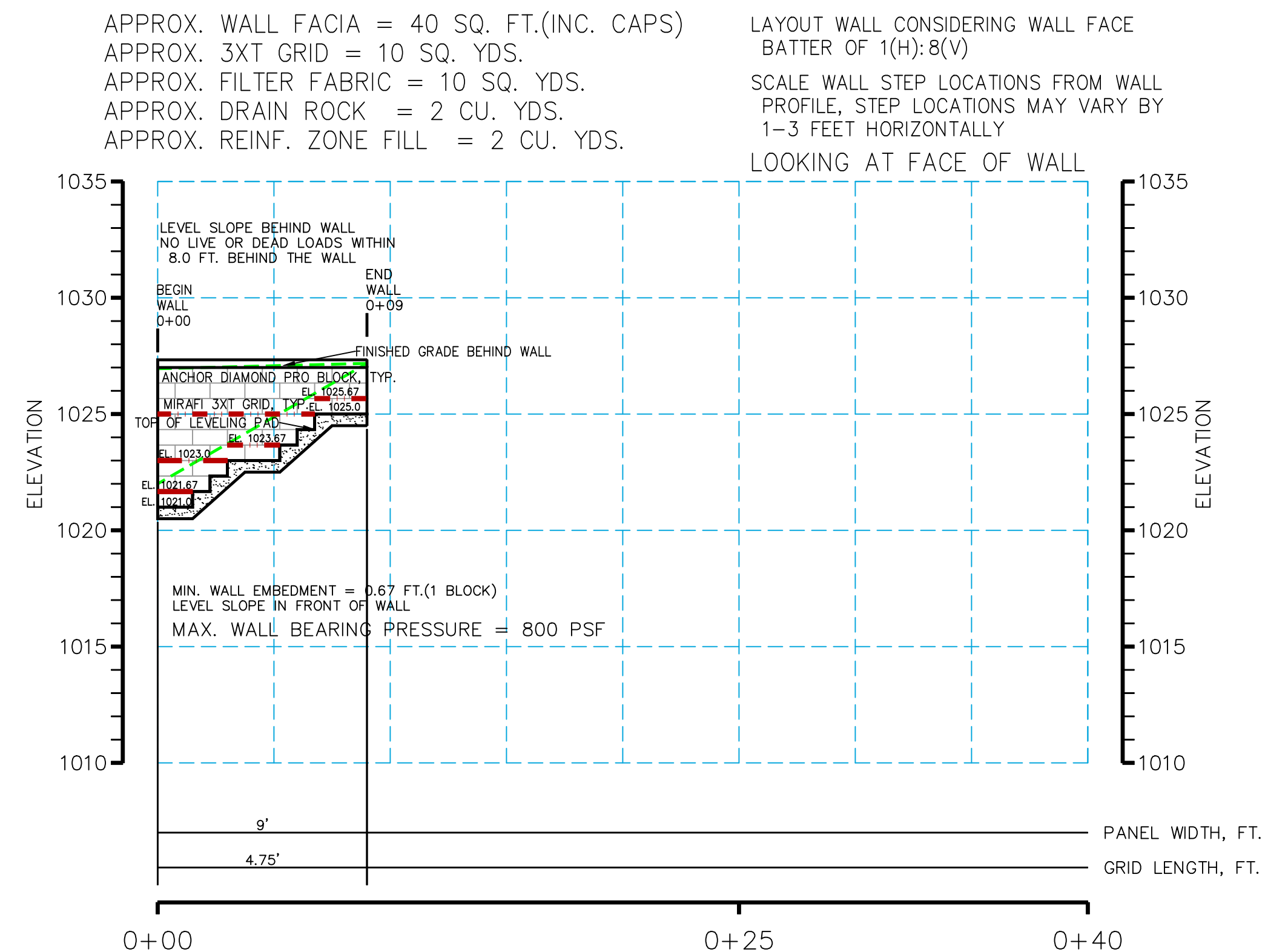




KEY  
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U.O.N. - UNLESS OTHERWISE NOTED ON PROFILE  
IN CIRCLE ON GRID LAYER

SCALE: HORIZ. 1" = 5'  
VERT. 1" = 5'

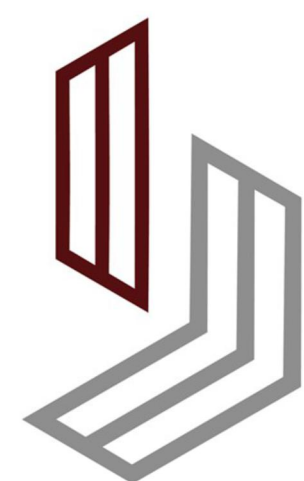
WALL 4B PROFILE



KEY  
- MIRAFI 3XT GRID, TYP.

SCALE: HORIZ. 1" = 5'  
VERT. 1" = 5'

WALL 4C PROFILE



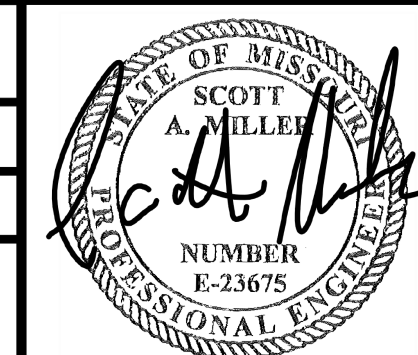
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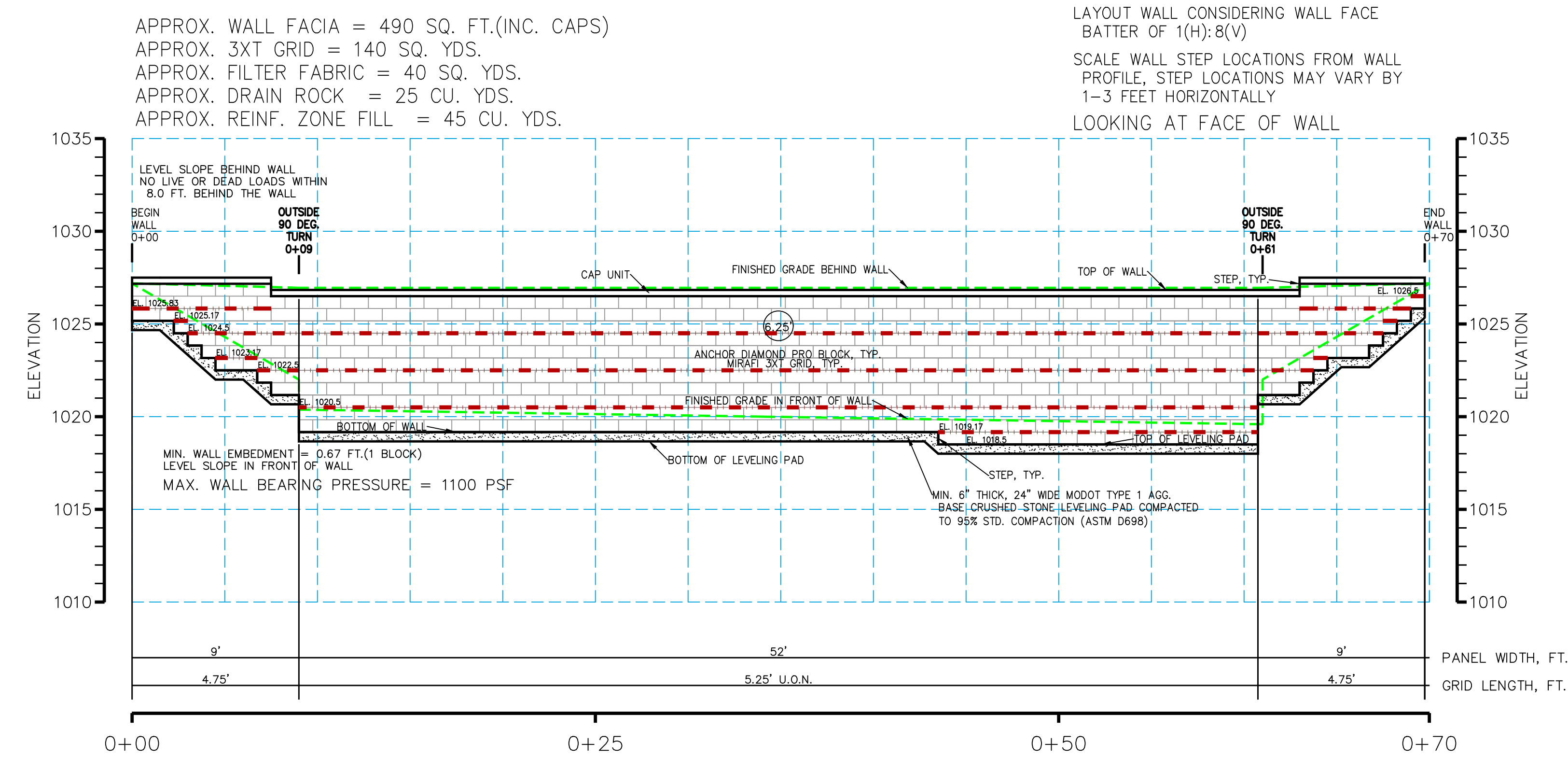


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**WALL PROFILES**

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WALL 5 PROFILE

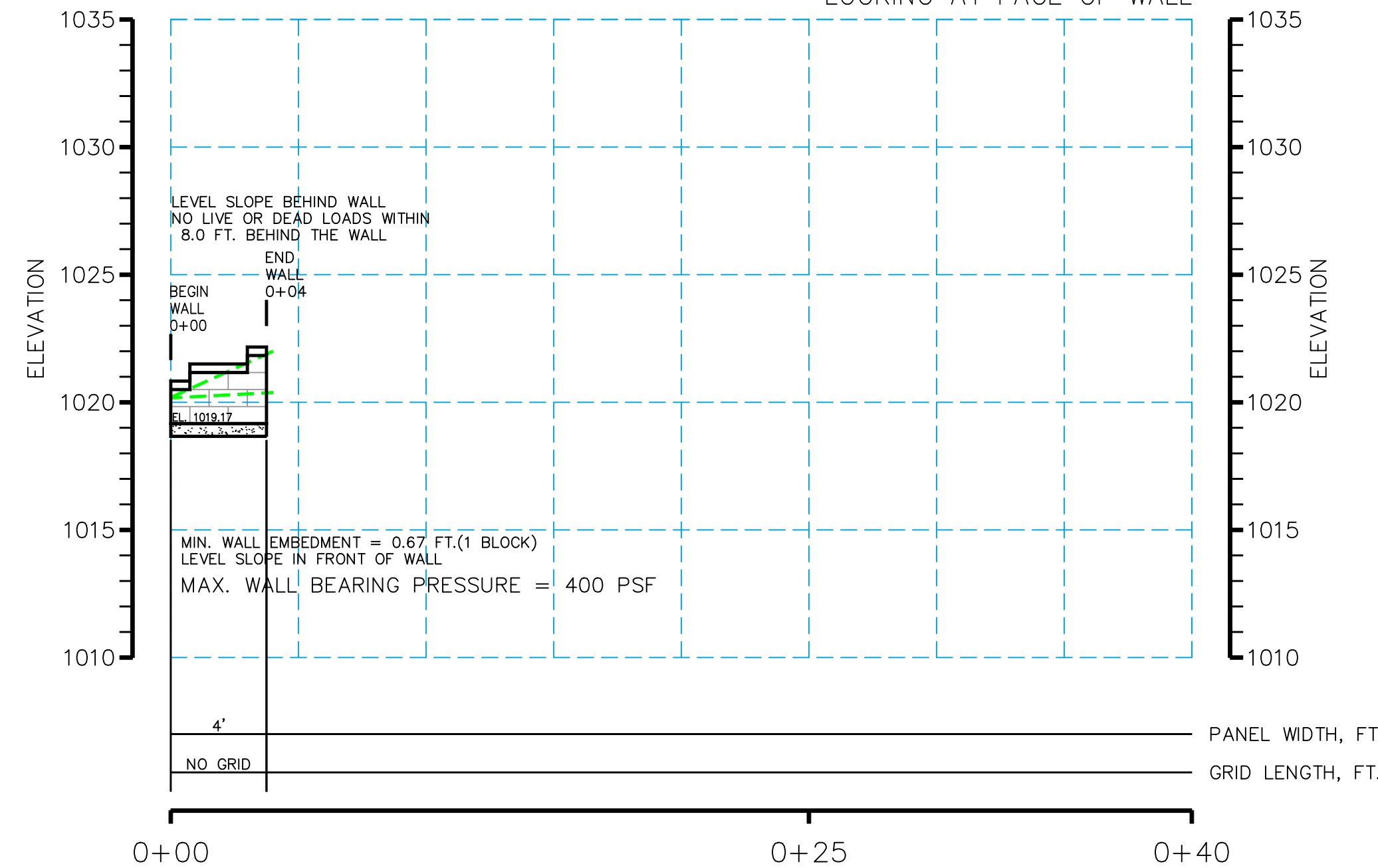
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- MIRAFI 3XT GRID, TYP.
- U.O.N. - UNLESS OTHERWISE NOTED ON PROFILE IN CIRCLE ON GRID LAYER

SCALE: HORIZ. 1" = 5'  
VERT. 1" = 5'

APPROX. WALL FACIA = 10 SQ. FT.(INC. CAPS)  
APPROX. FILTER FABRIC = 10 SQ. YDS.

LAYOUT WALL CONSIDERING WALL FACE  
BATTER OF 1(H):8(V)  
SCALE WALL STEP LOCATIONS FROM WALL  
PROFILE, STEP LOCATIONS MAY VARY BY  
1-3 FEET HORIZONTALLY  
LOOKING AT FACE OF WALL



WALL 5B PROFILE

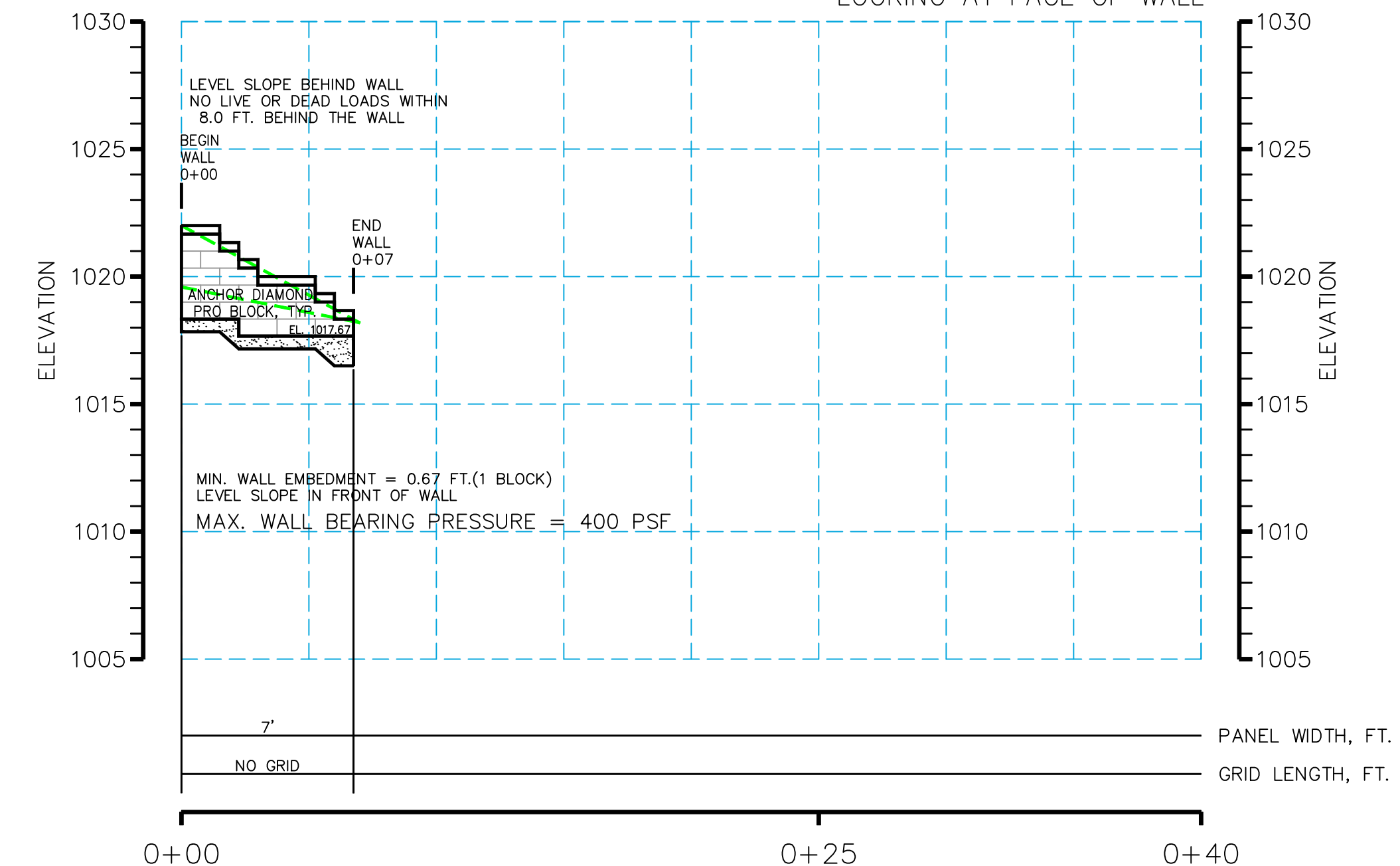
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SCALE: HORIZ. 1" = 5'  
VERT. 1" = 5'

APPROX. WALL FACIA = 20 SQ. FT.(INC. CAPS)  
APPROX. FILTER FABRIC = 10 SQ. YDS.  
APPROX. DRAIN ROCK = 1 CU. YDS.

LAYOUT WALL CONSIDERING WALL FACE  
BATTER OF 1(H):8(V)  
SCALE WALL STEP LOCATIONS FROM WALL  
PROFILE, STEP LOCATIONS MAY VARY BY  
1-3 FEET HORIZONTALLY  
LOOKING AT FACE OF WALL

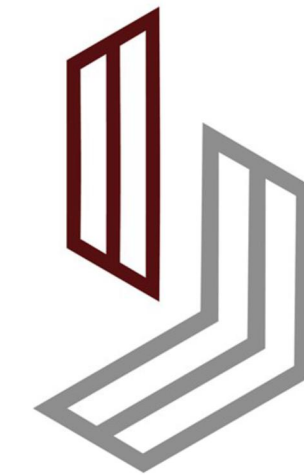


WALL 5C PROFILE

KEY

- MIRAFI 3XT GRID, TYP.

SCALE: HORIZ. 1" = 5'  
VERT. 1" = 5'

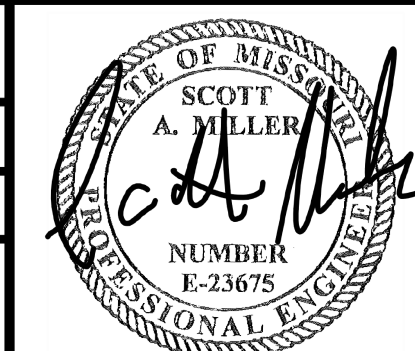


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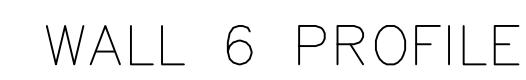
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WALL PROFILES

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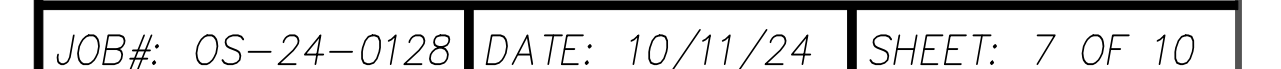
LAYOUT WALL CONSIDERING WALL FACE  
BATTER OF 1(H):8(V)  
SCALE WALL STEP LOCATIONS FROM WALL  
PROFILE, STEP LOCATIONS MAY VARY BY  
1-3 FEET HORIZONTALLY  
LOOKING AT FACE OF WALL

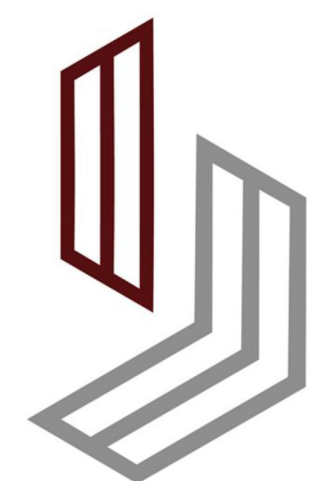
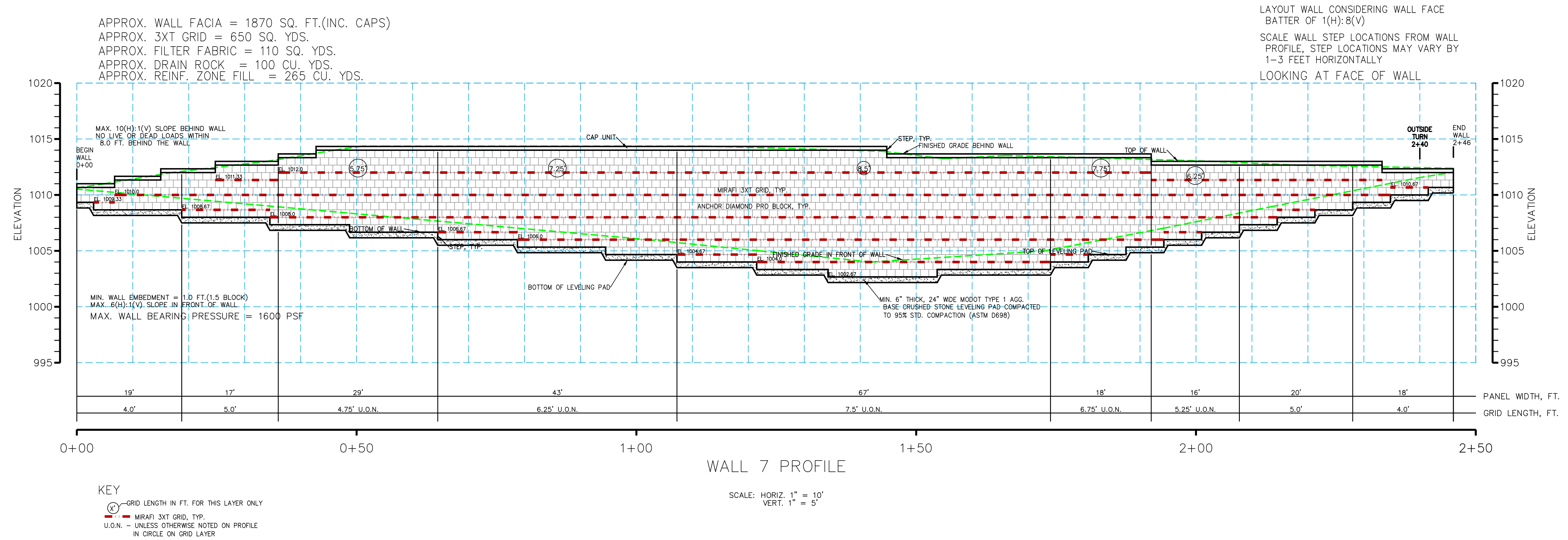


SCALE: HORIZ. 1" = 5'  
VERT. 1" = 5'



SCALE: HORIZ. 1" = 5'  
VERT. 1" = 5'





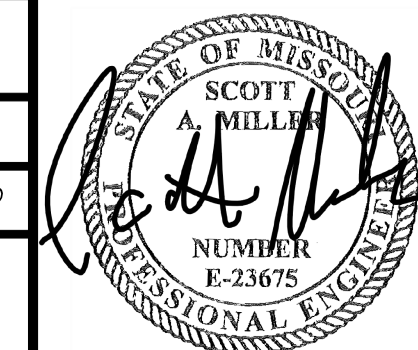
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DesignBuild Consulting Services LLC  
Texas Registered Engineering Firm  
F-21892

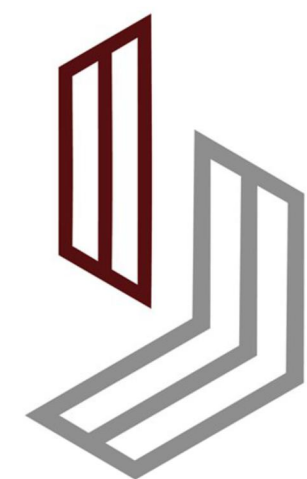
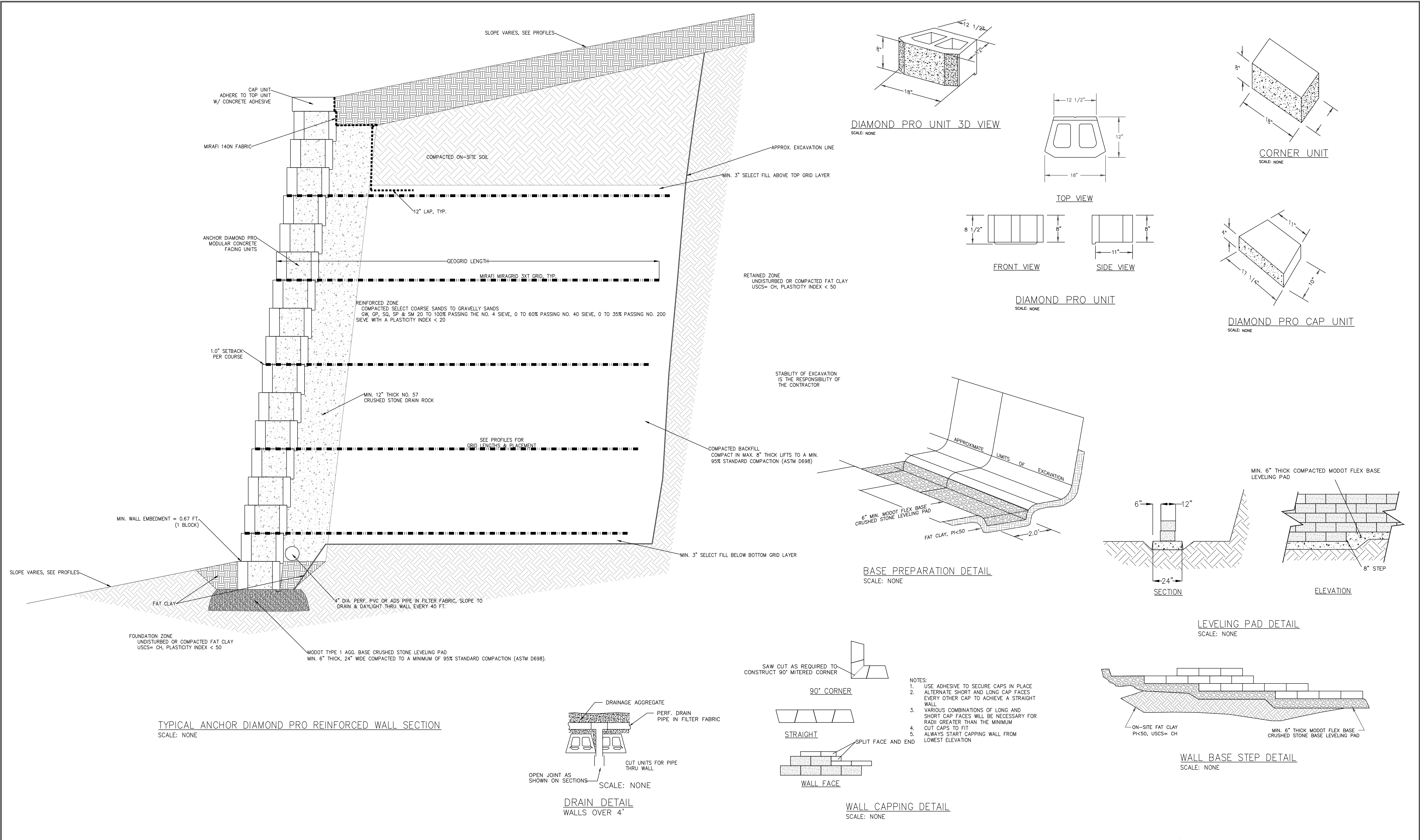


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**WALL PROFILE**

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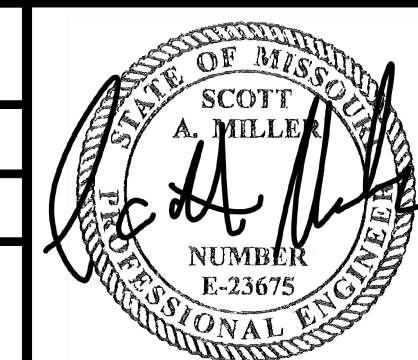
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WALL DETAILS

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