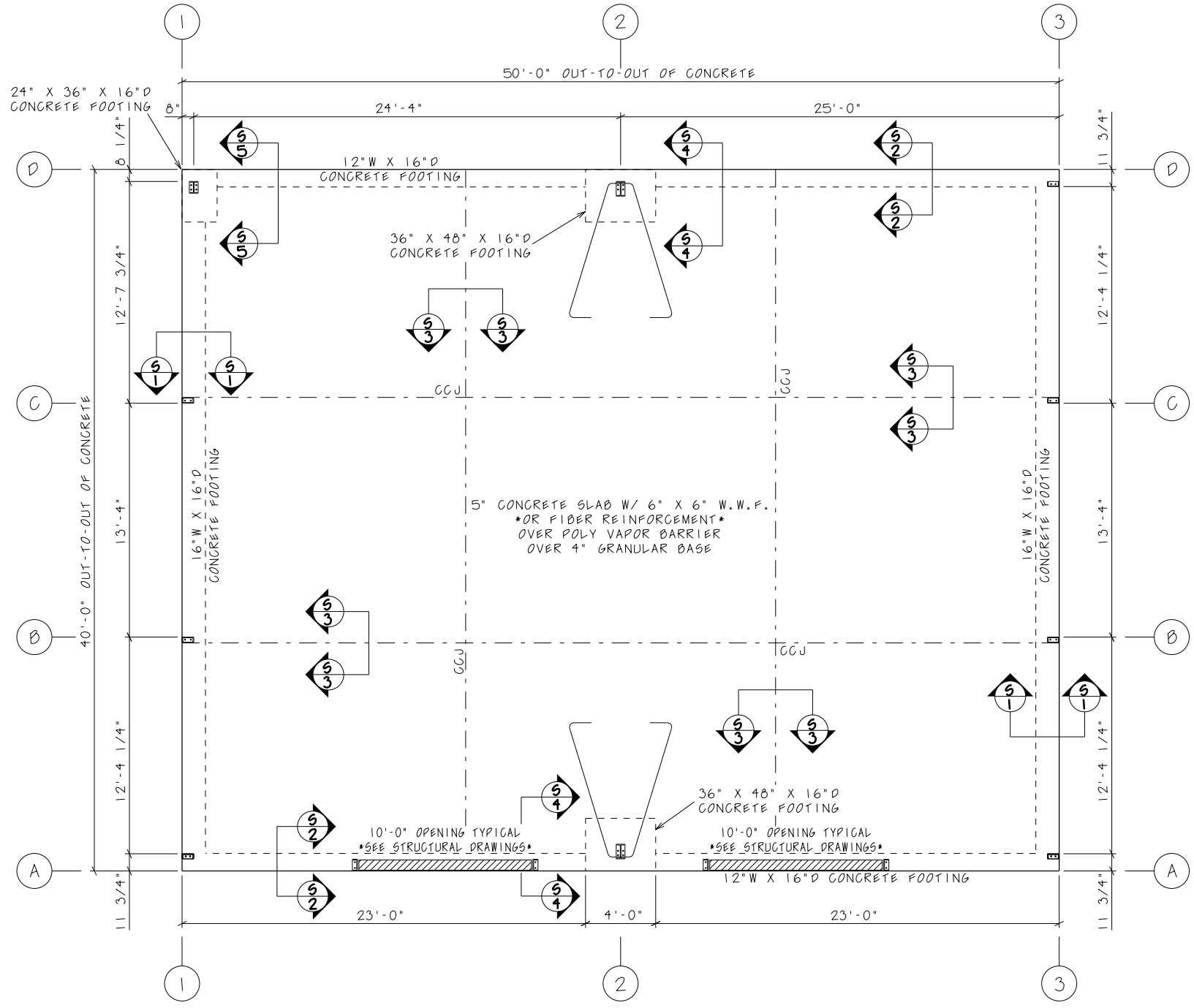
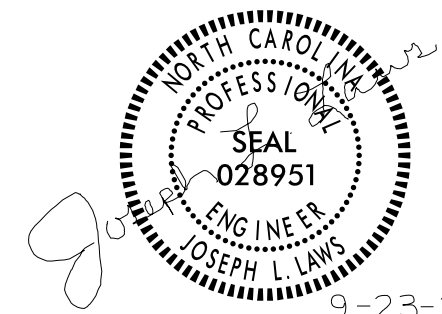
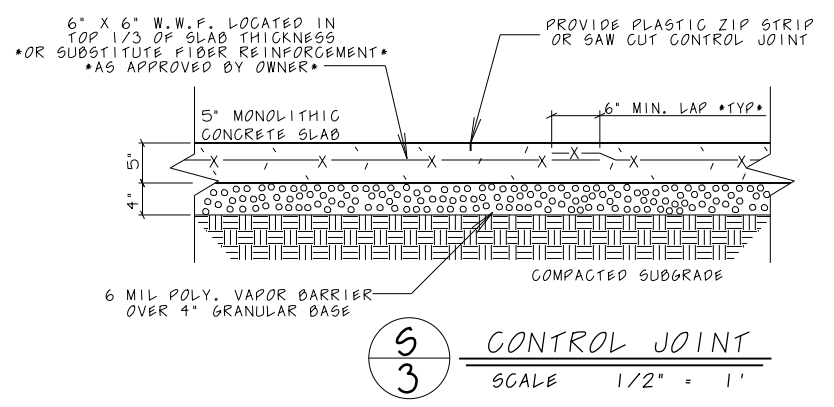
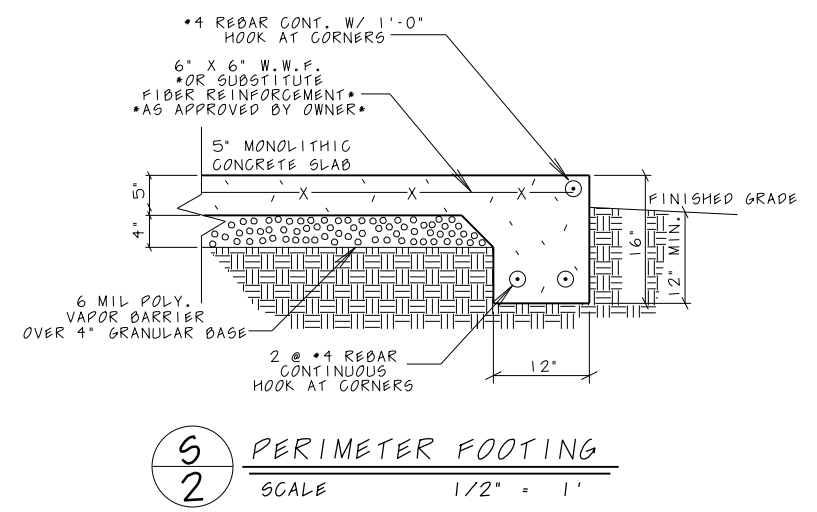


JOSEPH L. LAWS, PE AND JOSEPH L. LAWS ENGINEERING ARE NOT THE ENGINEER OF RECORD ON THIS PROJECT. THE ENGINEER OF RECORD IS RESPONSIBLE FOR SPECIAL INSPECTIONS AS REQUIRED BY BUILDING CODE AND FOR DETERMINING THE GOVERNING LOCAL AND STATE BUILDING CODE REQUIREMENTS AND DESIGN CRITERIA. NOTIFY JOSEPH L. LAWS ENGINEERING IF ASSUMED DESIGN CRITERIA LISTED HEREIN REQUIRES MODIFICATION.

PROJECT & LOCATION
 JAMES BEYER
 195 E WASHINGTON ST
 COATS, NC 27521
 JOB NO. 20-557



FOUNDATION PLAN
 SCALE 1/8" = 1'



JOSEPH L. LAWS ENGINEERING
 293 PERRY DRIVE
 MILLERS CREEK, NC 28651
 JOSEPH L. LAWS, PE JLAWSP@GMAIL.COM
 PHONE 336.667.2843

PREPARED FOR:
 CHAMPION BUILDINGS, INC.
 1200 WOODFIELD WAY-SUITE 100
 WILKESBORO, NC 28697

DATE
 SEPTEMBER 23, 2020
 SHEET
 9-1.0

9-23-20

DESIGN LOADS:

ROOF LIVE LOAD:	20 PSF
ROOF DEAD LOAD	
SUPERIMPOSED:	2.0 PSF
COLLATERAL:	5.0 PSF
GROUND SNOW LOAD:	15.0 PSF
FLAT ROOF SNOW LOAD:	10.5 PSF
ULTIMATE WIND SPEED:	120 MPH
WIND EXPOSURE CATEGORY:	B
IMPORTANCE FACTOR:	WIND 1.0
	SEISMIC 1.0
	SNOW 1.0

SEISMIC DESIGN PARAMETERS:

SEISMIC USE GROUP:	II - NORMAL
SPECTRAL RESPONSE ACCELERATION:	$S_s = 0.1750$
	$S_1 = 0.0830$
SITE CLASSIFICATION:	D
SEISMIC DESIGN CATEGORY:	B

LATERAL DESIGN CONTROL:

EARTHQUAKE:	—
WIND:	X
CALCULATED BUILDING DESIGN BASE SHEARS:	
VX:	SEE METAL BLDG. DRAWINGS
VY:	SEE METAL BLDG. DRAWINGS

FOUNDATIONS:

- ASSUMED SOIL BEARING PRESSURE IS 2,000 PSF ON FIRM UNDISTURBED SOIL OR COMPACTED FILL MATERIAL. ALL CONG. FOOTINGS SHOULD EXTEND BELOW FROST LINE PER LOCAL BUILDING CODE.
- FILL MATERIAL SHALL BE FREE OF ROOTS, WOOD, AND OTHER ORGANIC MATERIAL MATERIALS USED FOR FILL BELOW FOOTINGS AND WITHIN BUILDING LIMITS SHALL BE TESTED AND APPROVED FOR USE BY AN APPROVED TESTING AGENCY.
- FILL SHALL BE PLACED IN LIFTS NO GREATER THAN 8 INCHES AND COMPACTED TO 95 PERCENT OF THE OPTIMUM DENSITY AS DEFINED BY ASTM D-698.
- PROOFROLLING SHALL BE CONDUCTED FOR BUILDING SUBGRADE USING A FULLY LOADED DUMP TRUCK. PROOFROLLING SHALL BE CONDUCTED FOLLOWING A SUITABLE PERIOD OF DRY WEATHER TO AVOID DEGRADING AN OTHERWISE ACCEPTABLE SUBGRADE.
- UTILITY LINES SHALL NOT BE PLACED THROUGH BUILDING FOUNDATIONS WITHOUT THE STRUCTURAL ENGINEER'S APPROVAL.

CONCRETE:

- ALL CONCRETE CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT ACI BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE *ACI 318-08*.
- ALL CONCRETE SHALL HAVE ASTM C-33 AGGREGATE WITH MAXIMUM UNIT WEIGHT OF 150 PCF. CONCRETE COMPRESSIVE STRENGTH SHALL BE 3,000 PSI AT 28 DAYS, MIN.

REINFORCING STEEL:

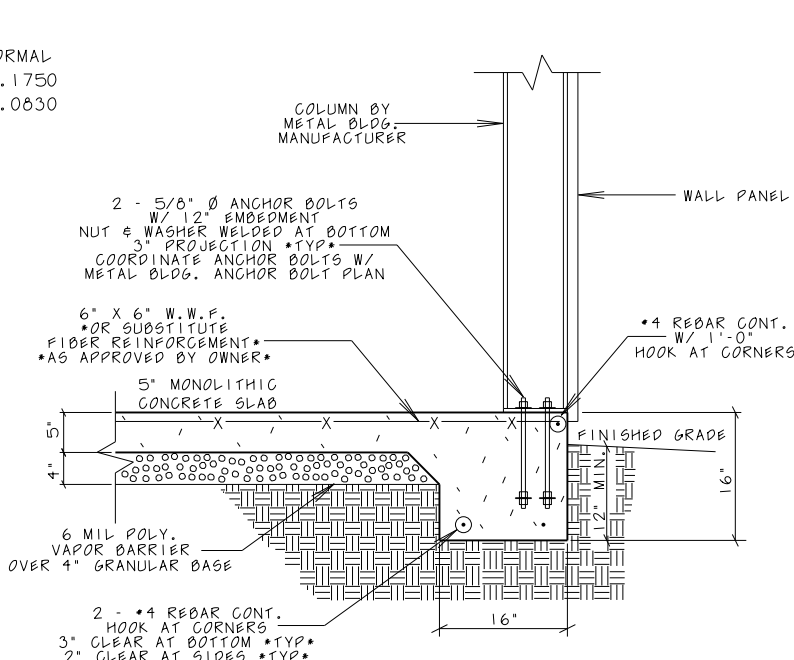
- REINFORCING STEEL SHALL BE BILLET STEEL, DEFORMED BARS CONFORMING TO ASTM A-615, GRADE 60.
- CONCRETE COVERAGE OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH THE FOLLOWING SCHEDULE UNLESS OTHERWISE NOTED:

A. FOOTINGS AND GRADE BEAMS	3 INCHES
B. SLABS ON GRADE	2 INCHES
- REINFORCING STEEL SHALL BE LAPPED USING THE FOLLOWING SCHEDULE:

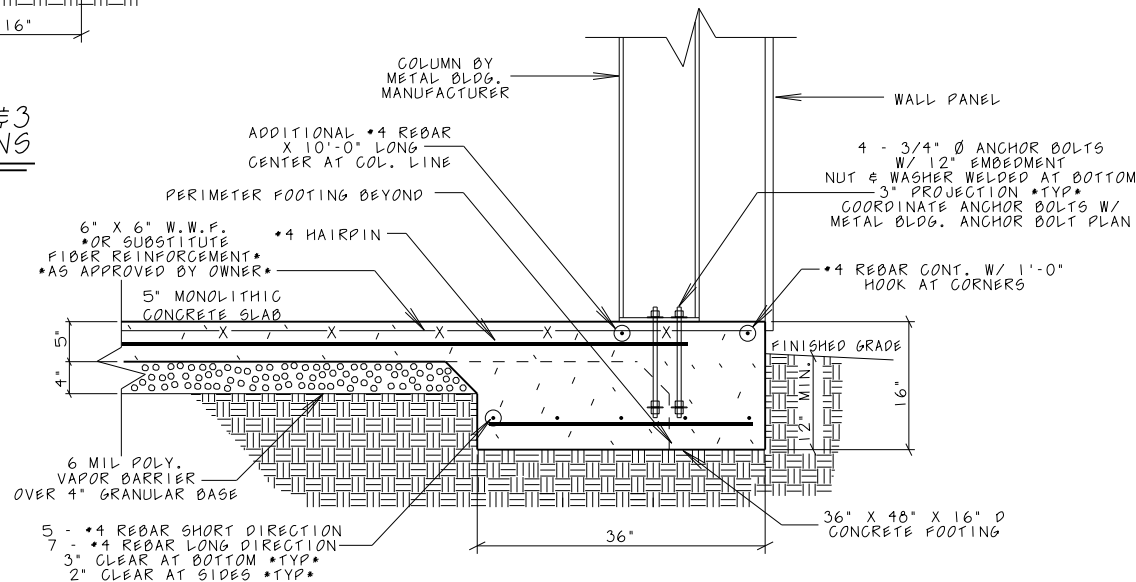
NO. 4 = 25"	NO. 5 = 31"	NO. 6 = 37"
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GENERAL NOTES:

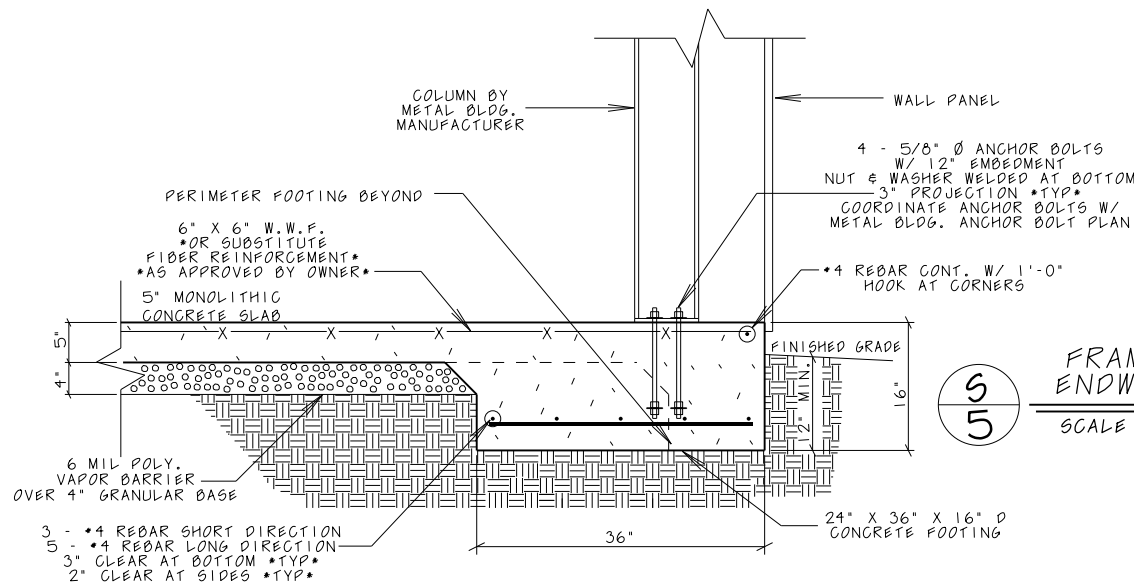
- FINISHED FLOOR ELEVATION IS AT 100'-0" UNLESS OTHERWISE NOTED.
- SLAB ON GRADE IS 5 INCH NORMAL WEIGHT CONCRETE WITH 6"X6" W1.4XW1.4 WELDED WIRE FABRIC OR FIBER REINFORCEMENT *AS APPROVED BY OWNER* ON 6 MIL VAPOR BARRIER AND 4 INCH GRANULAR BASE.
- CONTROL JOINTS IN CONCRETE SLABS SHALL BE SAWCUT. CONSTRUCTION JOINTS SHALL BE FORMED WITH KEYED METAL EDGE FORM MATERIAL OR EQUIVALENT.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL CODES AND REGULATIONS.
- ALL DIMENSIONS SHOULD BE READ OR CALCULATED, NOT SCALED.
- REFER TO METAL BUILDING DRAWINGS FOR SPECIFIC DETAILS AND INFORMATION.
- REFER TO METAL BUILDING DRAWINGS FOR ALL ANCHOR BOLT SIZES AND LOCATIONS.
- THE DESIGN OF THIS FOUNDATION WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NORTH CAROLINA BUILDING CODE - 2018 EDITION..
- THE CONTRACTOR SHALL EXERCISE PROPER PRECAUTION TO VERIFY ALL EXISTING CONDITIONS AND LAYOUT OF WORK. IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES. THE CONTRACTOR IS RESPONSIBLE FOR ANY ERROR RESULTING FROM FAILURE TO EXERCISE SUCH PRECAUTION.
- ANY DISCREPANCIES, ERRORS OR OMISSIONS DISCOVERED IN THE DOCUMENT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH RELATED WORK. OTHERWISE, THE CORRECTION OF SUCH ITEMS IS THE RESPONSIBILITY OF THE CONTRACTOR OR SUBCONTRACTOR.
- WHERE A DETAIL, TYPICAL DETAIL, SECTION, TYPICAL SECTION OR A NOTE IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL LIKE OR SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.



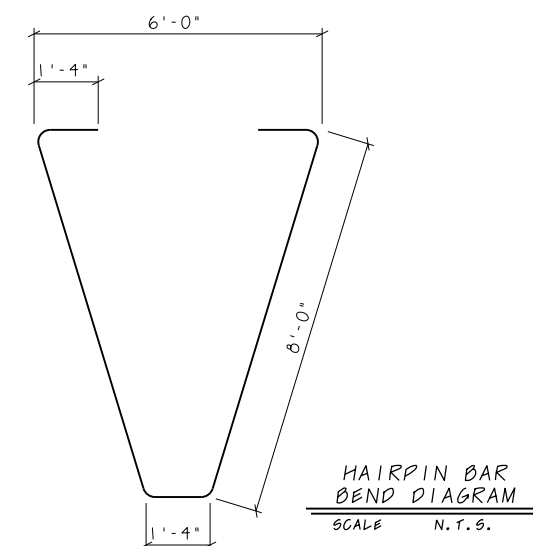
5
1
FRAME LINES 1 & 3
ENDWALL COLUMNS
SCALE 1/2" = 1'



5
4
FRAME LINE 2
MAIN COLUMNS
SCALE 1/2" = 1'



5
5
FRAME LINE 1-D
ENDWALL COLUMNS
SCALE 1/2" = 1'



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