

2/26/2024 3:46:49 PM

MECHANICAL ENCLOSURE PLAN

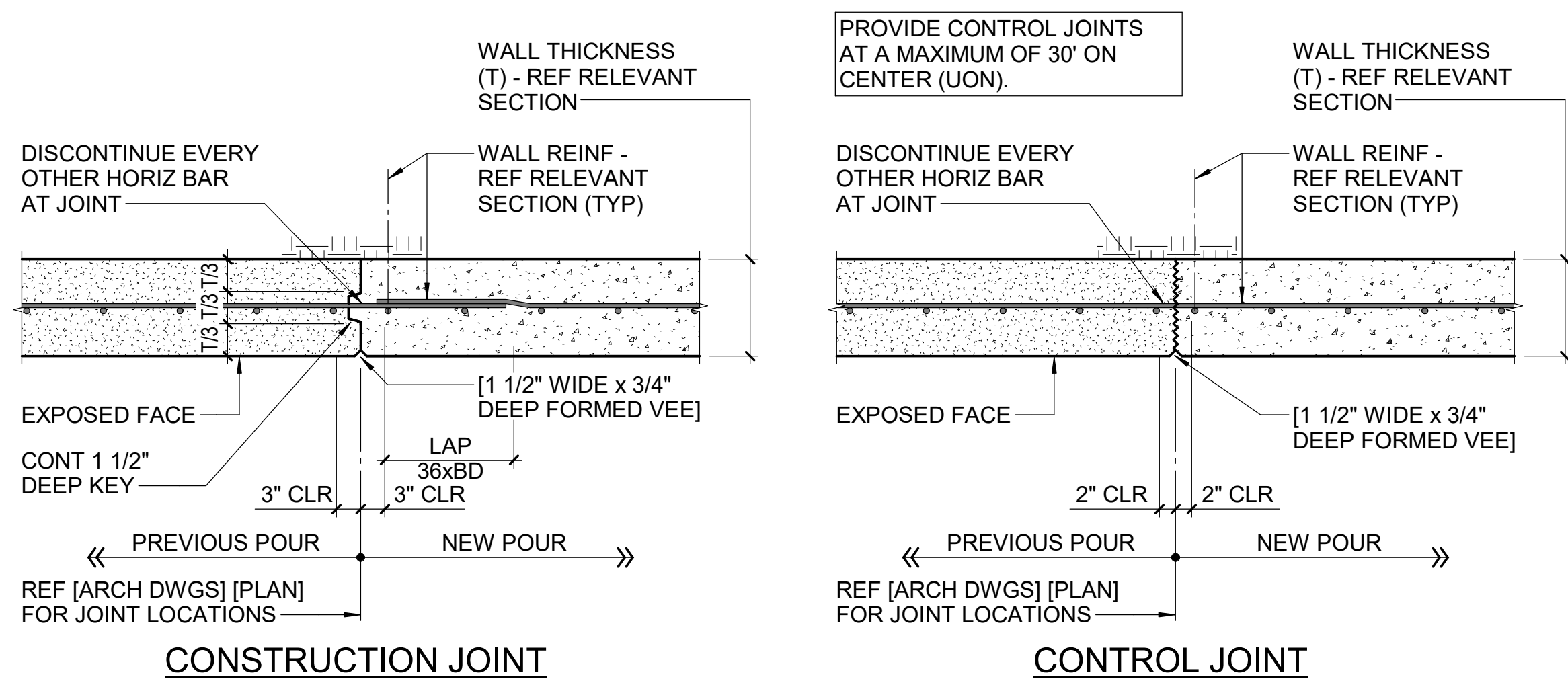
3/16" = 1'-0"

KEY NOTES

- 07 EXTERIOR EQUIPMENT PAD FOR CHILLER AND TRANSFORMER. REFERENCE TYPICAL DETAIL ON THIS SHEET.
- 15 PROVIDE 4 FOOT HEEL AND REINFORCE ACCORDING TO SHORTEST WALL ON SITE RETAINING WALL SCHEDULE WITH (6) #5 LONGITUDINAL FOOTING REINFORCEMENT TOP AND BOTTOM. TYPICAL REINFORCEMENT THEREAFTER.
- 16 PROVIDE 3 FOOT HEEL AND REINFORCE ACCORDING TO SHORTEST WALL ON SITE RETAINING WALL SCHEDULE WITH (5) #5 LONGITUDINAL FOOTING REINFORCEMENT TOP AND BOTTOM. TYPICAL REINFORCEMENT THEREAFTER.
- 37 AT WF3 BACKFILL WALL EVENLY ON BOTH SIDES.

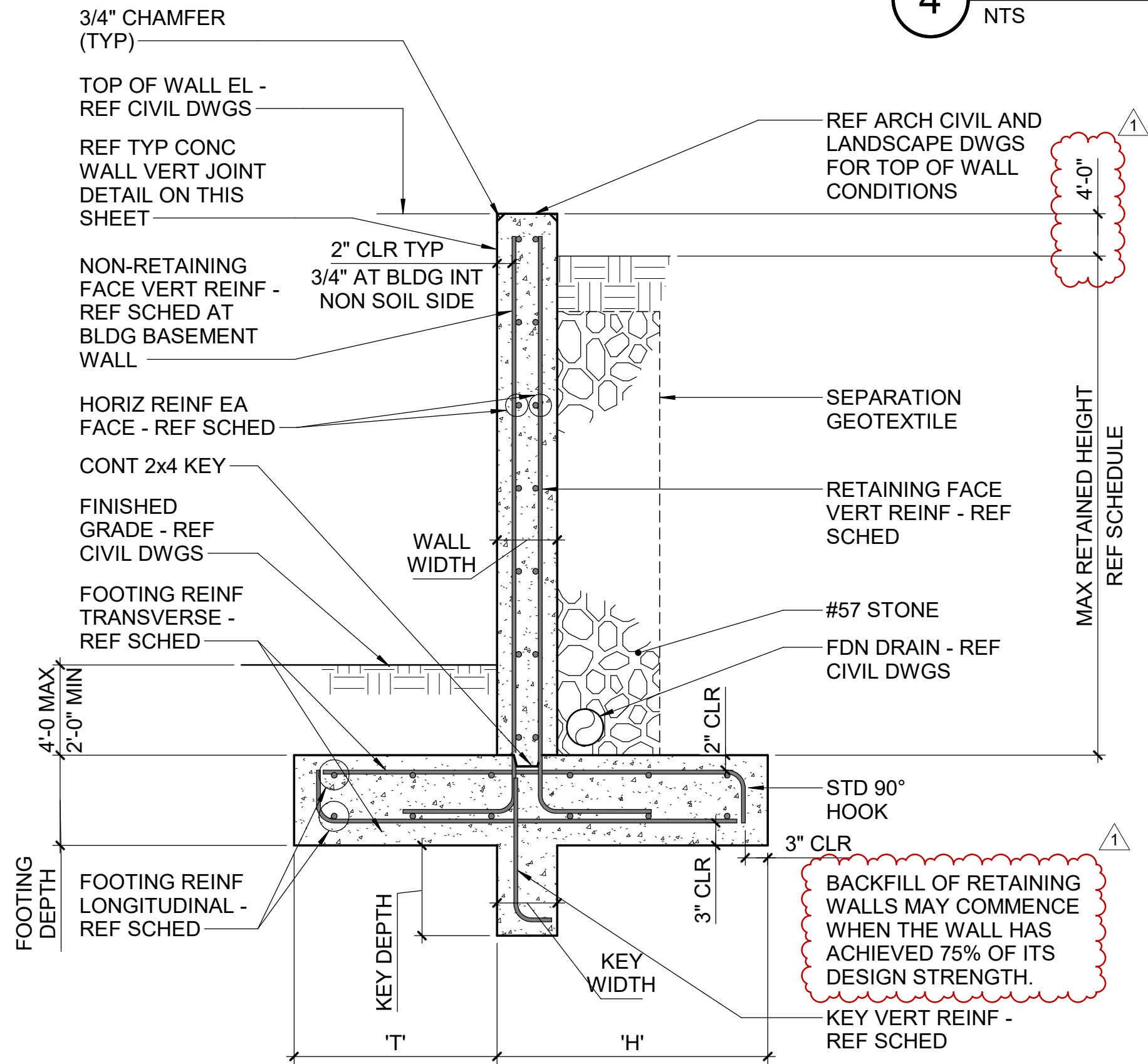
FOUNDATION PLAN NOTES

- A. REFERENCE ARCHITECTURAL DRAWINGS FOR DIMENSIONS TO NONBEARING WALLS, WALL CONTROL JOINTS AND OPENINGS.
 - B. ALL ELEVATIONS ARE BASED ON A REFERENCED FIRST FLOOR ELEVATION OF 0'-0" = 316.64' AND REFERENCED GROUND FLOOR ELEVATION OF -15'-4" = 301.30'. REFER TO ARCHITECTURAL DRAWINGS FOR FINISH FLOOR MATERIALS.
 - C. TOP OF ALL COLUMN AND WALL FOOTINGS MUST BE AT THE FOLLOWING ELEVATIONS UNLESS OTHERWISE NOTED ON PLAN. EXTERIOR WALL AND COLUMN FOOTINGS -2'-0" (-2'-0" AT FIRST FLOOR SLAB ON GRADE. (-17'-4" AT GROUND FLOOR). INTERIOR WALL FOOTINGS -0'-8" (-0'-8" AT FIRST FLOOR SLAB ON GRADE. -16'-0" AT GROUND FLOOR).
 - D. NOT ALL UTILITY LOCATIONS ARE SHOWN ON PLAN. THE CONTRACTOR MUST COORDINATE THE LOCATIONS, SIZES, AND INVERTS OF UTILITIES. AT LOCATIONS WHERE UTILITIES PASS BELOW THE TOP OF FOOTING ELEVATION, STEP THE TOP OF FOOTING DOWN ON EACH SIDE PER THE "STEPPED FOOTING DETAIL" AND SLEEVE THE UTILITY THROUGH THE FOUNDATION WALL. THE CONTRACTOR MAY, AT HIS/HER OPTION, SLEEVE THE UTILITY THROUGH THE FOUNDATION PER THE "UTILITY SLEEVE DETAIL".
 - E. UNLESS OTHERWISE INDICATED, EXTEND WALL FOOTINGS A MINIMUM OF 6 INCHES BEYOND ENDS OF WALLS.
 - F. NOT ALL SITE WALLS ARE NOT SHOWN ON PLAN. CONTRACTOR MUST COORDINATE CIVIL AND LANDSCAPE DRAWINGS FOR SITE WALL INFORMATION.
 - G. DIMENSIONS SHOWN ON FOUNDATION PLAN ARE TO COLUMN GRIDLINES AND OUTSIDE FACE OF FOUNDATION WALLS, UNLESS OTHERWISE NOTED.
- A. REFERENCE FOUNDATION PLAN AND ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
 - B. TOP OF FINISHED FLOOR ELEVATION SHALL BE AS NOTED ON SLAB PLANS.
 - C. FLOOR JOISTS AND BEAMS MUST BE EQUALLY SPACED BETWEEN POINTS OF KNOWN DIMENSIONS (NOT TO EXCEED 4'-0" ON-CENTER).
 - D. STEEL ROOF FRAMING SUPPORTING 1 1/2" STEEL ROOF DECK MUST BE EQUALLY SPACED BETWEEN POINTS OF KNOWN DIMENSIONS (NOT TO EXCEED 5'-0" ON-CENTER).
 - E. CONTRACTOR MUST POUR SLAB TO THICKNESS. SLAB AND JOISTS ARE NOT DESIGNED FOR EXCESS IN THICKNESS DUE TO CONCRETE POUR PONDING.
 - F. PROVIDE BOTTOM CHORD EXTENSIONS AT ALL JOISTS ON COLUMN CENTERLINES.
 - G. AT STEEL ROOF FRAMING, BOTTOM OF DECK ELEVATIONS ARE SHOWN ON PLAN. INTERMEDIATE ELEVATIONS SHALL BE STRAIGHT LINES BETWEEN GIVEN ELEVATIONS. INTERPOLATE AS REQUIRED FOR INTERMEDIATE BEARING ELEVATIONS, UNLESS OTHERWISE NOTED.
 - H. COORDINATE AND VERIFY ALL MEMBER LOCATIONS, DIMENSIONS, WEIGHTS, OPENING SIZES, AND CURB DIMENSIONS FOR ALL MECHANICAL EQUIPMENT WITH THE ACTUAL EQUIPMENT FURNISHED. INCLUDE THIS INFORMATION ON THE JOIST AND STRUCTURAL STEEL SHOP DRAWINGS.



4 TYPICAL CONCRETE WALL VERTICAL JOINT DETAILS

NTS



| SITE RETAINING WALL SCHEDULE | | | | | | | | | | | | |
|------------------------------|--------------------|--------|-------|-------------------------|--------------|----------------|-------|-----------------|-----------------|--------------------------------|--|--------------------------------|
| MAX RETAINED HEIGHT | FOOTING DIMENSIONS | | | FOOTING T&B REINFORCING | | KEY DIMENSIONS | | KEY REINFORCING | WALL DIMENSIONS | WALL REINFORCING | | |
| | T | H | DEPTH | LONGITUDINAL | TRANSVERSE | WIDTH | DEPTH | VERT & HORIZ | | RETAINING FACE VERT | NON-RETAINING FACE VERT | HORIZONTAL |
| 4'-0" | 1'-0" | 5'-0" | 1'-0" | (7) #5 | #5 AT 12" OC | | | | 0'-8" | #4 AT 12" OC - CTRD ON WALL | - | #4 AT 12" OC |
| 6'-0" | 1'-0" | 6'-6" | 1'-2" | (8) #5 | #5 AT 12" OC | 0'-8" | 1'-0" | #5 AT 12" OC EW | 0'-8" | #5 AT 12" OC - CTRD ON WALL | - | #5 AT 12" OC - CTRD ON WALL |
| 8'-0" | 1'-6" | 8'-4" | 1'-2" | (9) #5 | #5 AT 12" OC | 0'-10" | 1'-0" | #5 AT 14" OC EW | 0'-10" | #5 AT 14" OC | #5 AT 14" OC | #5 AT 12" OC - CTRD ON WALL |
| 12'-0" | 1'-6" | 10'-0" | 1'-6" | (13) #6 | #6 AT 12" OC | 0'-10" | 1'-6" | #5 AT 12" OC EW | 0'-10" | #7 AT 12" OC | #5 AT 12" OC | #5 AT 12" OC |
| 16'-0" | 2'-0" | 13'-6" | 1'-8" | (17) #6 | #6 AT 12" OC | 1'-0" | 1'-8" | #5 AT 12" OC EW | 1'-0" | #7 AT 6" OC | #5 AT 16" OC AT SITE WALL #7 AT 12" OC BLDG BASEMENT | #5 AT 12" OC |
| 18'-0" | 2'-0" | 17'-0" | 1'-8" | (20) #6 | #6 AT 12" OC | 1'-2" | 2'-0" | #5 AT 12" OC EW | 1'-2" | #8 AT 6" OC | #5 AT 6" OC | #5 AT 12" OC |

2 TYPICAL SITE AND BUILDING RETAINING WALL SCHEDULE AND DETAIL

NTS

FRAMING PLAN NOTES

boomerang
DESIGN
rethink, repurpose, results

SHELBY
201 S. Washington St., Suite 200
Shelby, NC 28150
704/956-6000

RALEIGH
6431 Falls of Neuse Rd., Suite 204
Raleigh, NC 27609
919/775-6400

CHARLOTTE
1230 W. Morehead St., Suite 214
Charlotte, NC 28208
704/731-7000

LEWINGTON
1070 S. Lake Dr., Suite J
Lewington, NC 28753
803/754-0027

COOPER ACADEMY

A & R

PROJECT TITLE

02/26/2024

Structural Engineers
301 N West St., Suite 105
Raleigh, NC 27603
919.782.1833 - lynchmykins.com
LM Project Number: LK21.298
Corporation No. C-4360

- THIS DRAWING IS THE PROPERTY OF BOOMERANG DESIGN P.A. AND IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART. IT IS NOT TO BE USED ON ANY OTHER PROJECT AND IS TO BE RETURNED ON REQUEST.
- MATERIALS, DIMENSIONS AND ALL OTHER CONDITIONS WHICH ARE NOT OTHERWISE SPECIFIED ON THIS DRAWING SHALL BE CONTROLLED AS HAVING THE SAME MEANING AS SIMILARLY INDICATED CONDITIONS WHICH ARE MORE FULLY DEFINED ELSEWHERE ON THIS PROJECT OR OTHER DRAWINGS OF THIS PROJECT.
- DO NOT SCALE OFF DIMENSIONS.

| REVISIONS | | |
|-----------|-----------|-------------|
| NO. | DATE | DESCRIPTION |
| 1 | 2/26/2024 | ADDENDUM 2 |

CD
PERMIT SET
2307
BOOMERANG DESIGN PROJECT NUMBER
02.26.2024
DRAWING RELEASE DATE

ENLARGED PLANS
SHEET TITLE

S401

SHEET