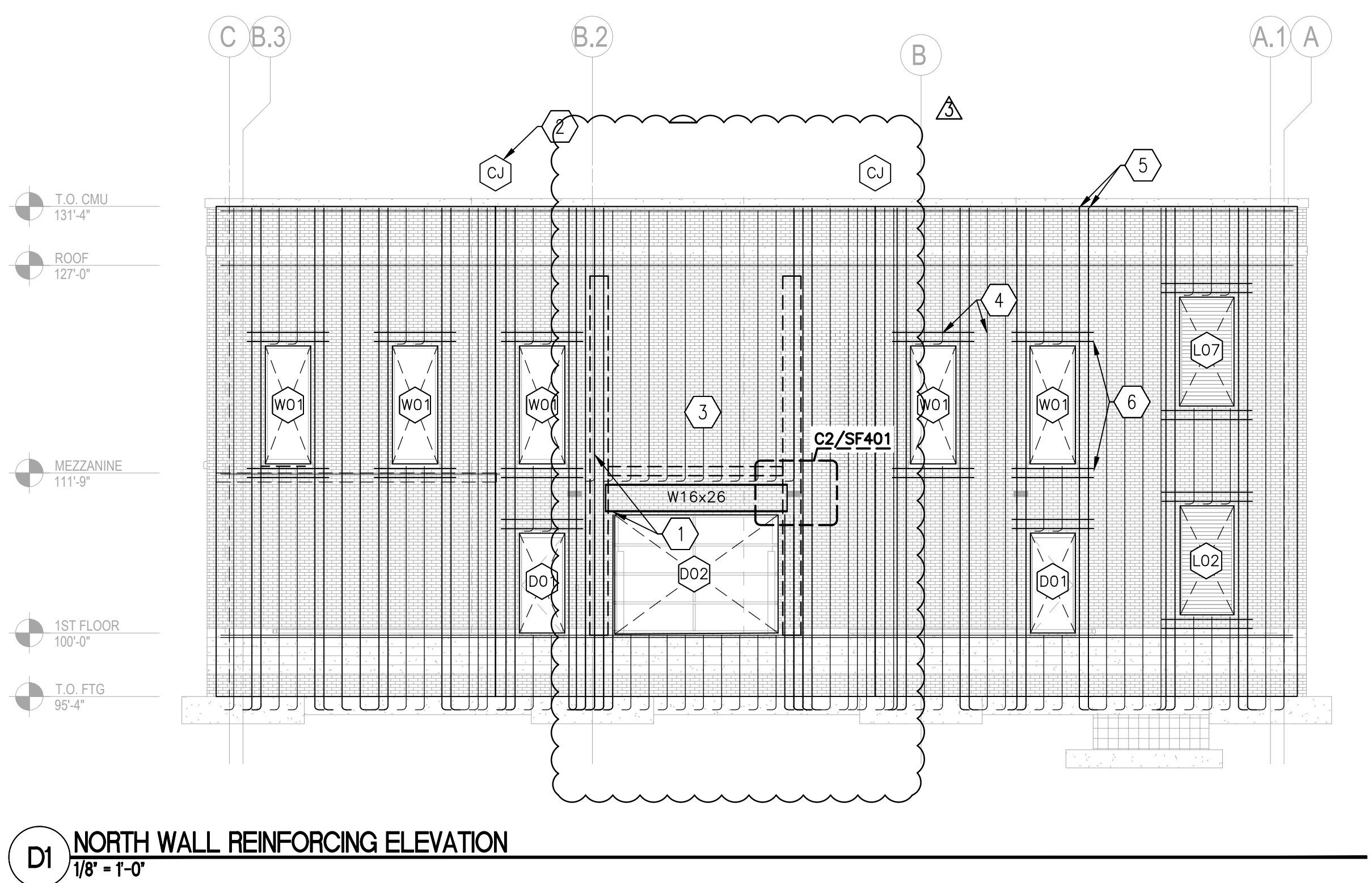


WALL OPENING SCHEDULE					WCB	LO#	DO#
MARK	OPENING WIDTH	OPENING HEIGHT	BOTTOM ELEVATION	TOP ELEVATION	JAMB REINFORCING	HEADER/SILL REINFORCING	
DOOR OPENINGS - EXTERIOR, BLAST RATED, SEE SPECS							
DO1	3'-4"	7'-4"	0'-0"	7'-4"			
DO2	14'-0"	8'-8"	0'-0"	8'-8"			
DO3	6'-4"	7'-4"	0'-0"	7'-4"			
LOUVER OPENINGS - EXTERIOR, BLAST RATED, SEE SPECS							
LO1	8'-0"	8'-0"	1'-4"	9'-4"	SEE SHEET SE201	SEE SHEET SE201	
LO2	4'-0"	8'-0"	1'-4"	9'-4"			
LO3	7'-0"	7'-0"	2'-0"	9'-0"			
LO4	4'-0"	4'-0"	6'-0"	10'-0"			
LO5	8'-0"	8'-0"	16'-8"	24'-8"			
LO6	4'-0"	4'-0"	21'-0"	25'-0"			
LO7	4'-0"	8'-0"	16'-8"	24'-8"			
WINDOW OPENINGS - EXTERIOR, BLAST RATED, SEE SPECS							
WO1	3'-4"	8'-7 1/2"	12'-5 1/2"	21'-1"			

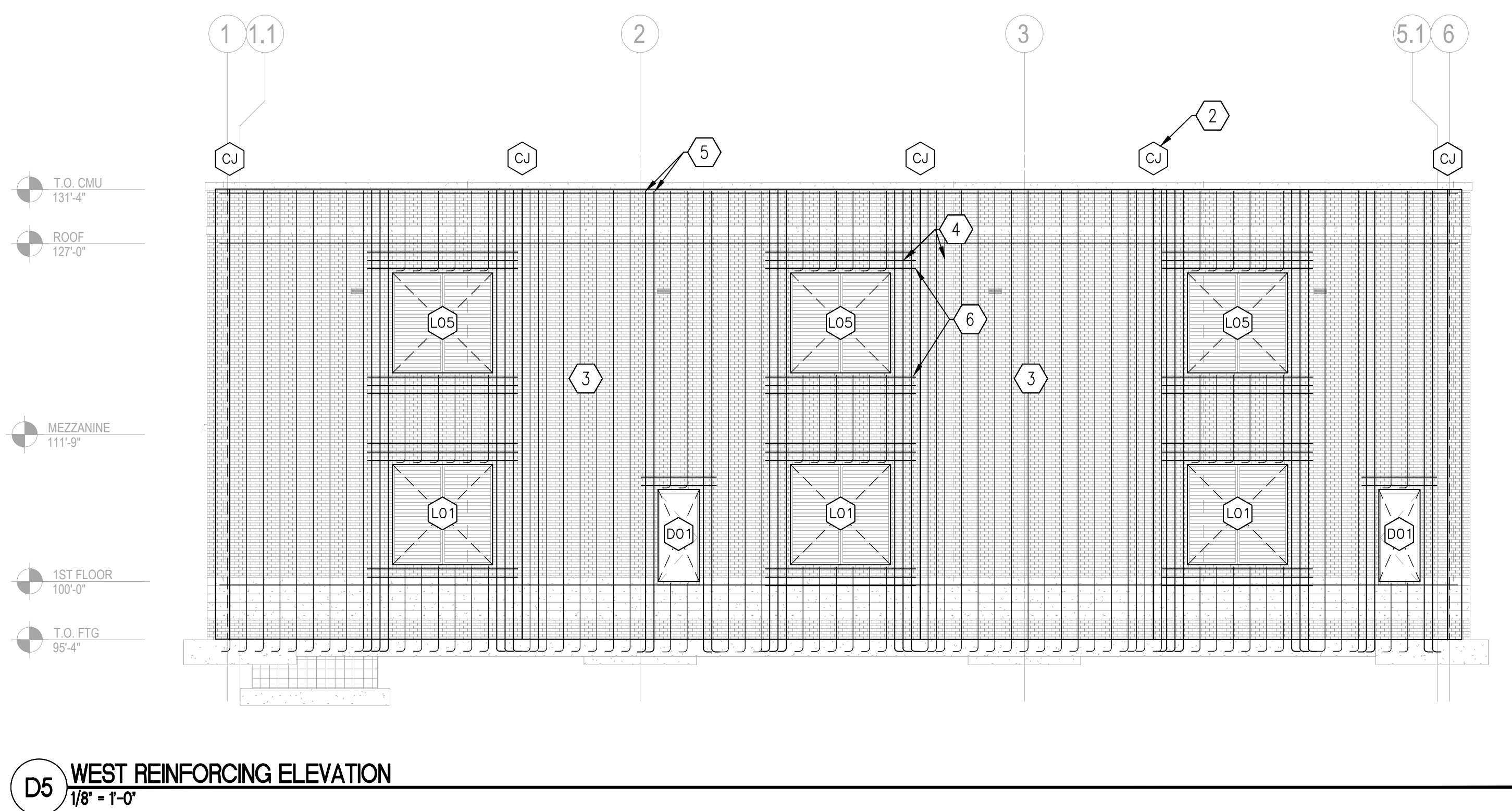
- GENERAL NOTES**
- A. GROUND FINISHED FLOOR ASSUMED ELEVATION = 100'-0" (35.50') ALL ELEVATIONS ARE BASED ON THIS DATUM UNLESS NOTED OTHERWISE.
 - B. SEE PLANS FOR DETAIL REFERENCES RELATIVE TO ITEMS SHOWN THIS SHEET.
 - C. COORDINATE LIMITS AND LOCATION OF VENEER WITH ARCHITECTURAL DRAWINGS. DIMENSIONS SHOWN TO OUTSIDE OF BUILDING CONCRETE WALL, TYP.
 - D. VERIFY ALL WALL OPENING AND INTERIOR WALL DIMENSIONS AND LOCATIONS WITH ARCHITECTURAL DRAWINGS.
 - E. SEE ARCH. FOR CONTROL JOINT SPACING IN BRICK FACADE. BRICK JOINTS ARE REQUIRED AS SHOWN ON ARCH DRAWINGS.

- KEY NOTES**
1. BRACING AND BACKUP FRAME ABOVE AND AROUND WALL OPENINGS GREATER THAN 8'-0" WIDTH. SEE DETAIL REFERENCES AT THESE LOCATIONS, TYP.
 2. FULL HEIGHT CMU WALL EXPANSION JOINT. SEE ARCH FOR BRICK EXPANSION JOINTS. EA. SIDE OF JOINT, 2 CELLS GROUTED AND REINFORCED WITH 4# #5 BARS EA. FACE OF WALL, 2.5" CLEAR FROM FACE, SEE CMU REINFORCING DETAILS, TYP.
 3. TYPICAL WALL REINFORCING IN CMU WALLS (2) #5 AT 16" O.C. (1 BAR EA. FACE).
 4. ALL VERTICAL CMU CELL REINFORCING AND HORIZONTAL BOND BEAM BARS SHOWN ARE #5 BARS EA. FACE OF WALL, 2.5" CLEAR FROM FACE, TYP.
 5. ADDITIONAL REINFORCED CELLS AT JAMBS AS SHOWN.
 6. BOND BEAMS WITH REINFORCING TOP AND BOTTOM OF OPENING AS SHOWN, EXTEND REINFORCING MIN 24" BEYOND OPENING EA. SIDE, TYP.

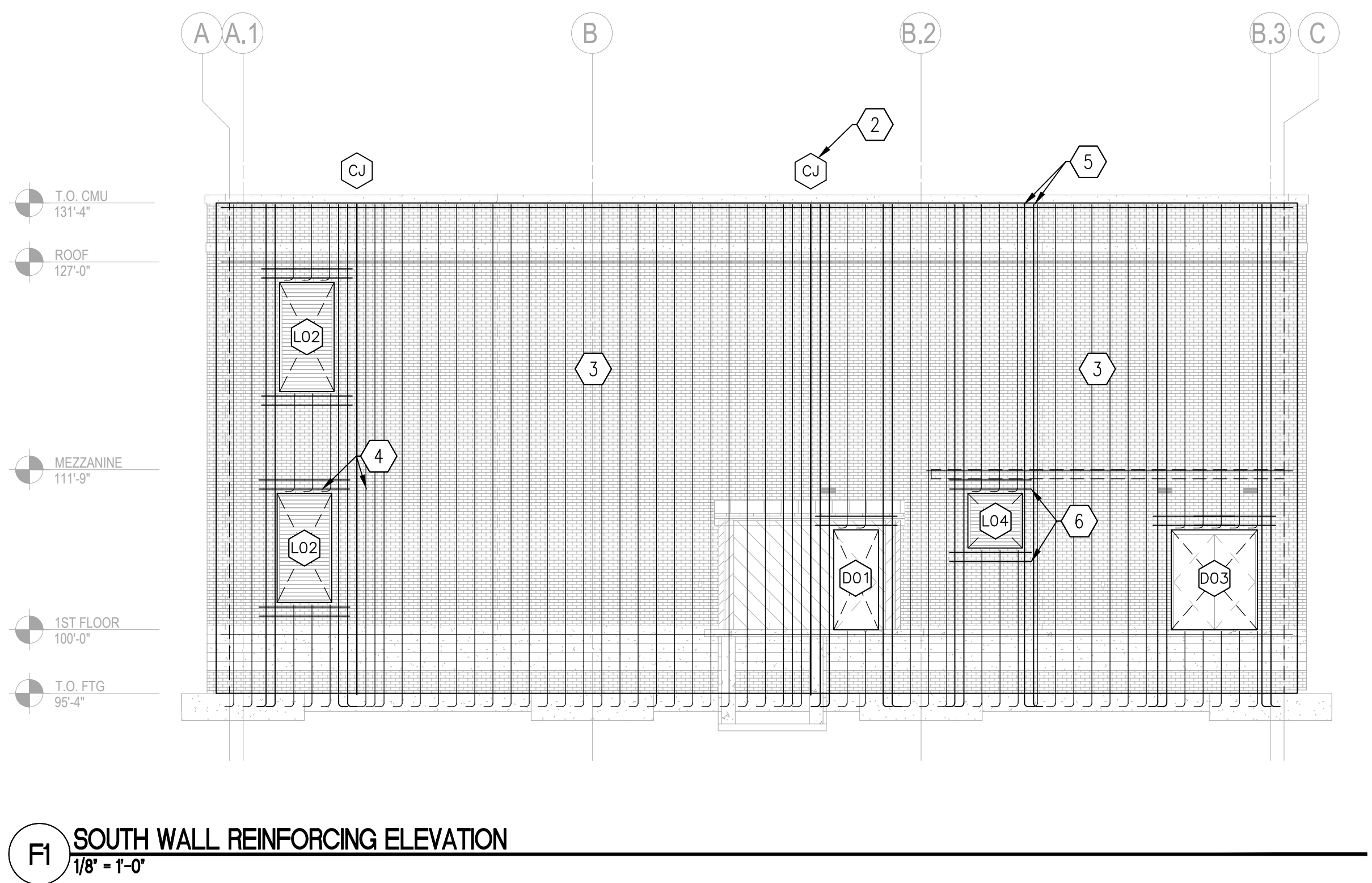
- MASONRY SPECIFICATION NOTES**
1. HOLLOW CONCRETE MASONRY UNITS SHALL MEET ASTM SPECIFICATION C90, TYPE II. THE SPECIFIED DESIGN COMPRESSIVE STRENGTH OF CONCRETE MASONRY (f'm) SHALL BE 2000 PSI. THE NET AREA COMPRESSIVE STRENGTH OF THE CONCRETE MASONRY UNITS SHALL BE 2800 PSI.
 2. MORTAR SHALL MEET THE PROPERTY SPECIFICATIONS OF A.S.T.M. C270 TYPE "S" MORTAR.
 3. GROUT SHALL MEET A.S.T.M. SPECIFICATION C476 AND HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2000 PSI.
 4. GROUT PLACED BY THE LOW LIFT GROUTING METHOD SHALL BE MECHANICALLY CONSOLIDATED USING A VIBRATOR WITH A MAXIMUM 3/4 INCH DIAMETER HEAD. REFER TO SPECIFICATION FOR HIGH LIFT GROUTING PROCEDURES.
 5. HORIZONTAL JOINT REINFORCEMENT SHALL BE LADDER TYPE (REFER TO SPECIFICATIONS). JOINT REINFORCEMENT SHALL BE SPACED AT 8 INCHES ON CENTER BELOW FINISHED FLOOR AND IN PARAPETS, AND 16 INCHES ON CENTER ABOVE FINISHED FLOOR.
 6. REINFORCING STEEL SHALL MEET ASTM SPECIFICATION A615, GRADE 60.
 7. CONCRETE MASONRY SHALL BE LAID IN RUNNING (COMMON) BOND.
 8. CONCRETE MASONRY BELOW FINISHED FLOOR/GRADE SHALL BE NORMAL WEIGHT UNITS AND SHALL HAVE ALL THE CELLS FULLY GROUTED. CONCRETE MASONRY ABOVE FINISHED FLOOR/GRADE SHALL BE MEDIUM WEIGHT OR LIGHT WEIGHT. REFER TO DETAILS FOR PARTIAL OR SOLID GROUT REQUIREMENTS FOR CMU ABOVE FINISHED FLOOR/GRADE. ALL CELLS WITH REINFORCING SHALL BE GROUTED SOLID.
 9. REFER TO CMU WALL REINFORCING DIAGRAM AND CMU WALL VERTICAL REINFORCING SCHEDULE FOR PRIMARY WALL REINFORCEMENT. SEE WALL ELEVATIONS FOR JAMB, LINTEL, EXPANSION JOINT AND OTHER ADDITIONAL REINFORCING REQUIREMENTS.
 10. REFER TO CMU SPECIFICATIONS, WALL REINFORCING DIAGRAM, DETAILS, TYPICAL MASONRY WALL OPENING DIAGRAM AND SCHEDULE, AND EQUIPMENT SUPPLIER DRAWINGS AND DETAILS FOR ADDITIONAL REINFORCING AT OPENINGS, CONTROL JOINTS, CORNERS AND ENDS OF WALL PANELS.
 11. REFER TO WALL SECTIONS, DETAILS AND EQUIPMENT SUPPLIER DRAWINGS AND DETAILS FOR MISCELLANEOUS BOND BEAM LOCATIONS AND EMBEDDED ITEMS. USE OPEN KNOCK OUT BOND BEAM BLOCK. DO NOT USE TROUGH TYPE BLOCKS FOR BOND BEAMS. DO NOT CONTINUE BOND BEAM REINFORCING THROUGH CONTROL JOINTS.
 12. CMU WALLS SHALL RECEIVE TEMPORARY BRACING. TEMPORARY BRACING SHALL NOT BE REMOVED UNTIL WALL IS PERMANENTLY BRACED BY CONNECTION TO THE STRUCTURE AND ROOF DIAPHRAGM IS FULLY CONNECTED. CONSTRUCTION BRACING FOR MASONRY WALLS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE WHERE THE BUILDING IS LOCATED. MASONRY SUBMITTALS SHALL CONTAIN A LETTER, SEALED BY THE PROFESSIONAL ENGINEER, STATING THE DESIGN LOADS AND CRITERIA WHICH WERE USED IN THE BRACING DESIGN. THE BRACING DESIGN SHALL BE SIGNED AND SEALED BY THE PROFESSIONAL ENGINEER AND SHALL BE ISSUED TO THE OWNER AFTER SUBMITTAL REVIEW AND PRIOR TO STARTING MASONRY CONSTRUCTION.
 13. PROVIDE L6 X 4 X 3/8 (LLV) LOOSE LINTEL FOR OPENINGS UP TO 6'-0" IN WIDTH. PROVIDE L8 X 4 X 1/2 (LLV) LOOSE LINTEL FOR OPENINGS 6'-0" WIDE TO 10'-0" WIDE. ANY LINTEL OVER 10'-0" SHALL BE AS SHOWN IN STRUCTURAL DETAILS.
 14. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL NEW ADHESIVE ANCHORS INSTALLED INTO EXISTING WALLS AND DETERMINE IF EXISTING GROUT IS SUFFICIENT FOR INSTALLATION OF ANCHOR. ANCHORS INSTALLED IN GROUT FILLED CONCRETE MASONRY UNITS SHALL ONLY BE USED WHERE SPECIFIED ON THE DRAWINGS. ANCHORS MUST BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS. REFER TO DETAILS FOR ANCHOR SIZE AND EMBEDMENT. SUBSTITUTIONS TO THE SPECIFIED ANCHORS MUST BE APPROVED BY THE COR.



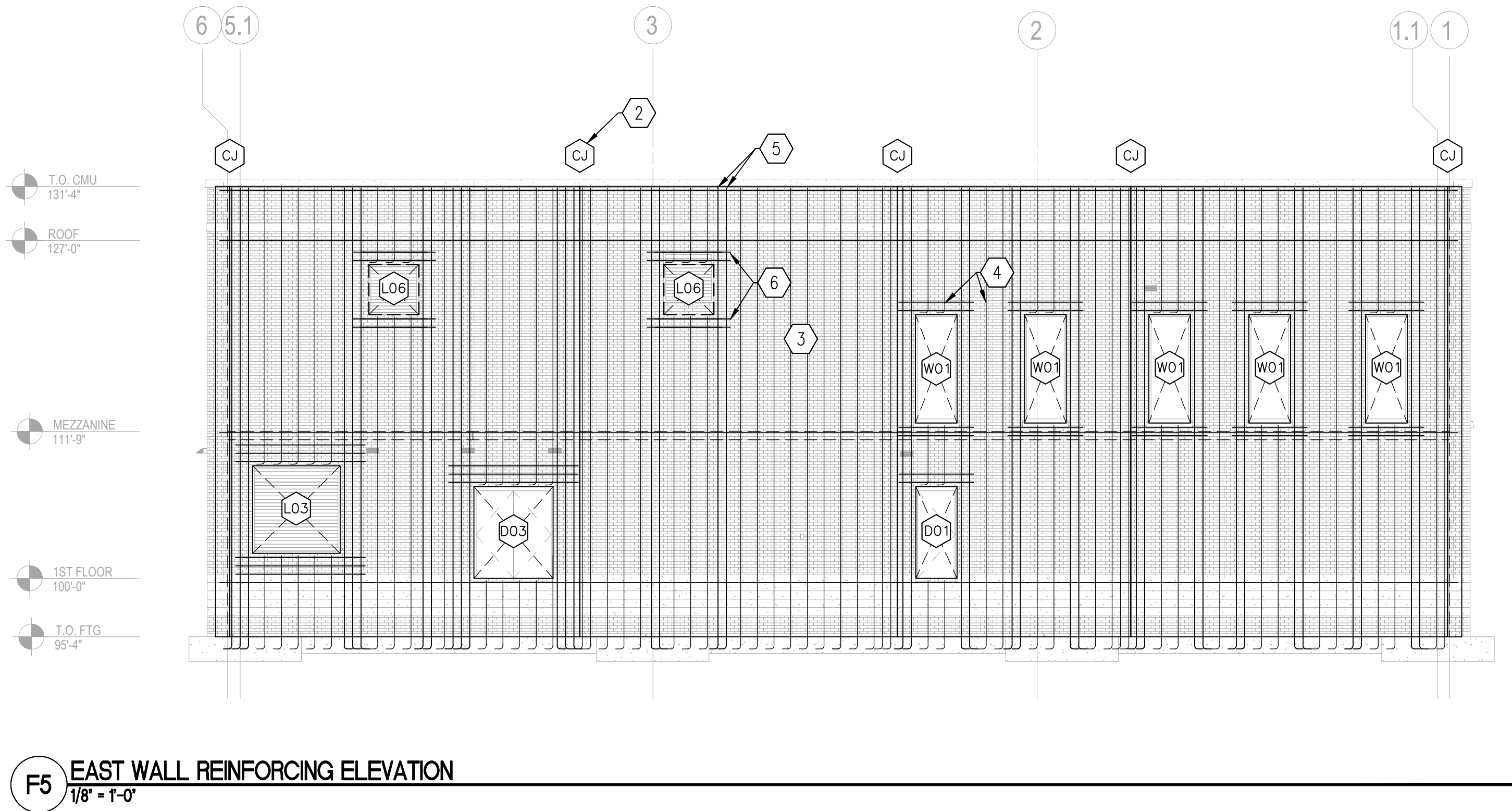
D1 NORTH WALL REINFORCING ELEVATION
1/8" = 1'-0"



D5 WEST REINFORCING ELEVATION
1/8" = 1'-0"



F1 SOUTH WALL REINFORCING ELEVATION
1/8" = 1'-0"



F5 EAST WALL REINFORCING ELEVATION
1/8" = 1'-0"

ADDENDUM 1	08-09-24
ADDENDUM 2 (NO STRUCTURAL CHANGES)	XX-XX-XX
ADDENDUM 3	01-17-25
Revisions:	Date:

CONSULTANT

MOON TREE CONSULTING

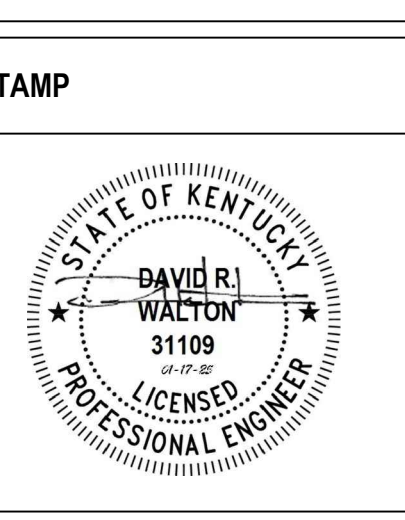
1808 DEEP CREEK RD, OKC, OK 73131
918.527.7166 INFO@MOONTREECONS.COM

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	WALL ELEVATION REINFORCING DIAGRAMS
Phase	100% CONSTRUCTION DOCUMENTS
Approved: Project Director	

Project Title	DESIGN REPLACE BOILER PLANT
Location	SIoux FALLS VAMC SIoux FALLS, SD 57005
Issue Date	08-09-2024
Checked	TWW
Drawn	DRW

Project Number	438-22-900
Building Number	12
Drawing Number	SE201