



Z4 CORPORATION

AS-BUILT

DATE:

SIGNED:

SHEET TITLE:  
STRUCTURAL NOTES  
FLOOR PLAN (STRUCTURAL)  
SECTION

I HEREBY CERTIFY THAT THIS  
PLAN WAS PREPARED BY ME OR  
UNDER MY DIRECT SUPERVISION

STEM AREAS  
UNTALAN MIDDLE SCHOOL  
Guam Department of Education  
GUAM

PROJECT TITLE:

DATE

DESCRIPTION

DESIGNED BY:

DRAWN BY:

CHECKED BY:

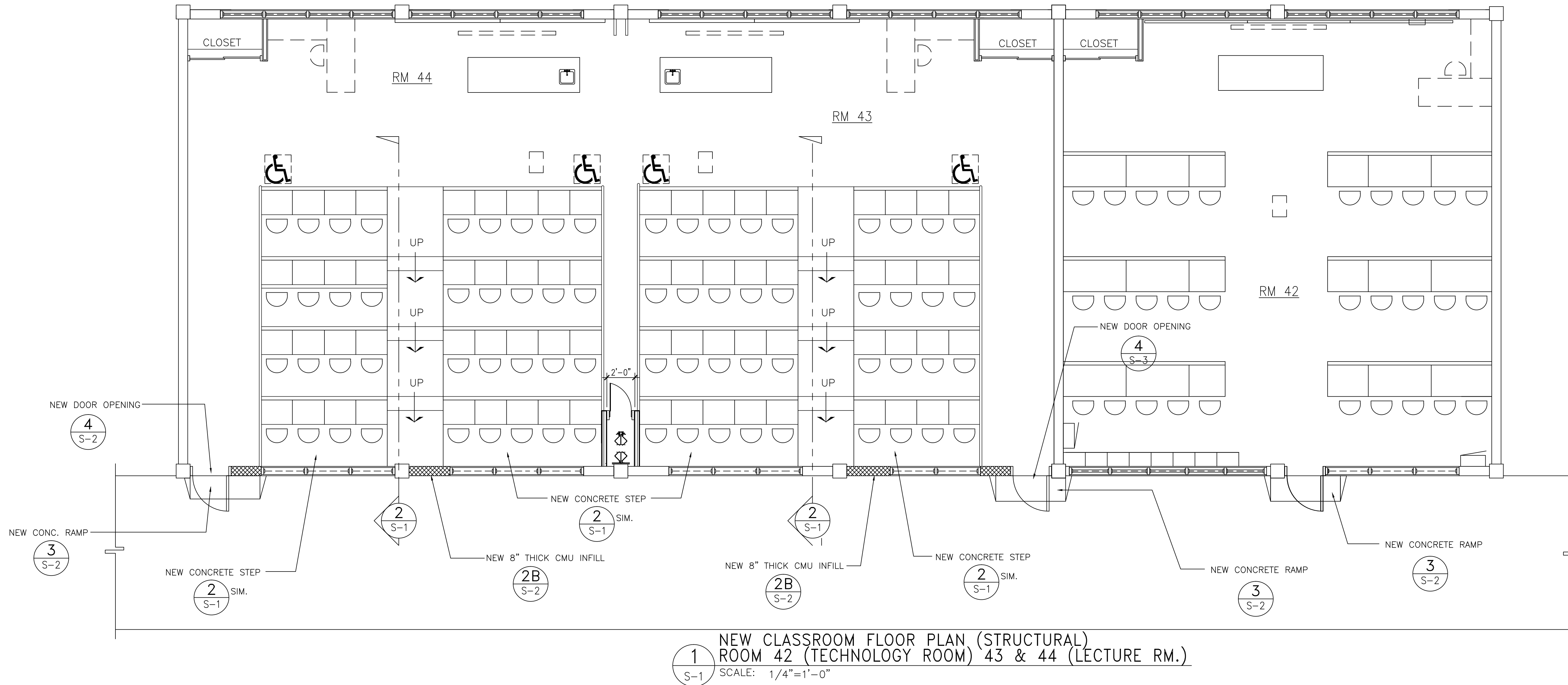
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— OF —



### GENERAL NOTES:

1. THE CONTRACTOR SHALL THOROUGHLY EXAMINE THE DRAWINGS BEFORE BEGINNING ANY WORK. HE SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES, OMISSIONS OR CONFLICTS HE MAY FIND BETWEEN THE VARIOUS ELEMENTS OF THE DRAWINGS BEFORE PROCEEDING WITH ANY WORK SO INVOLVED.
2. THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL SITE CONDITIONS AND DIMENSIONS. HE SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND INFORMATION SHOWN ON THE DRAWINGS BEFORE PROCEEDING WITH THE WORK.
3. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY CONDITION WHICH IN HIS OPINION MIGHT ENDANGER THE STABILITY OF THE STRUCTURE OR CAUSE DISTRESS TO THE STRUCTURE.
4. ALL WORK SHALL CONFORM TO THE MINIMUM REQUIREMENTS OF THE FOLLOWING:
  - A. THE 2009 EDITION OF THE INTERNATIONAL BUILDING CODE.
  - B. ALL APPLICABLE CODES AND STANDARDS OR ANY OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK.
5. PROVIDE OTHER MATERIALS, NOT SPECIFICALLY DESCRIBED BUT REQUIRED FOR A COMPLETE AND PROPER INSTALLATION, AS SELECTED BY THE CONTRACTOR SUBJECT TO THE APPROVAL OF THE ENGINEER.
6. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.

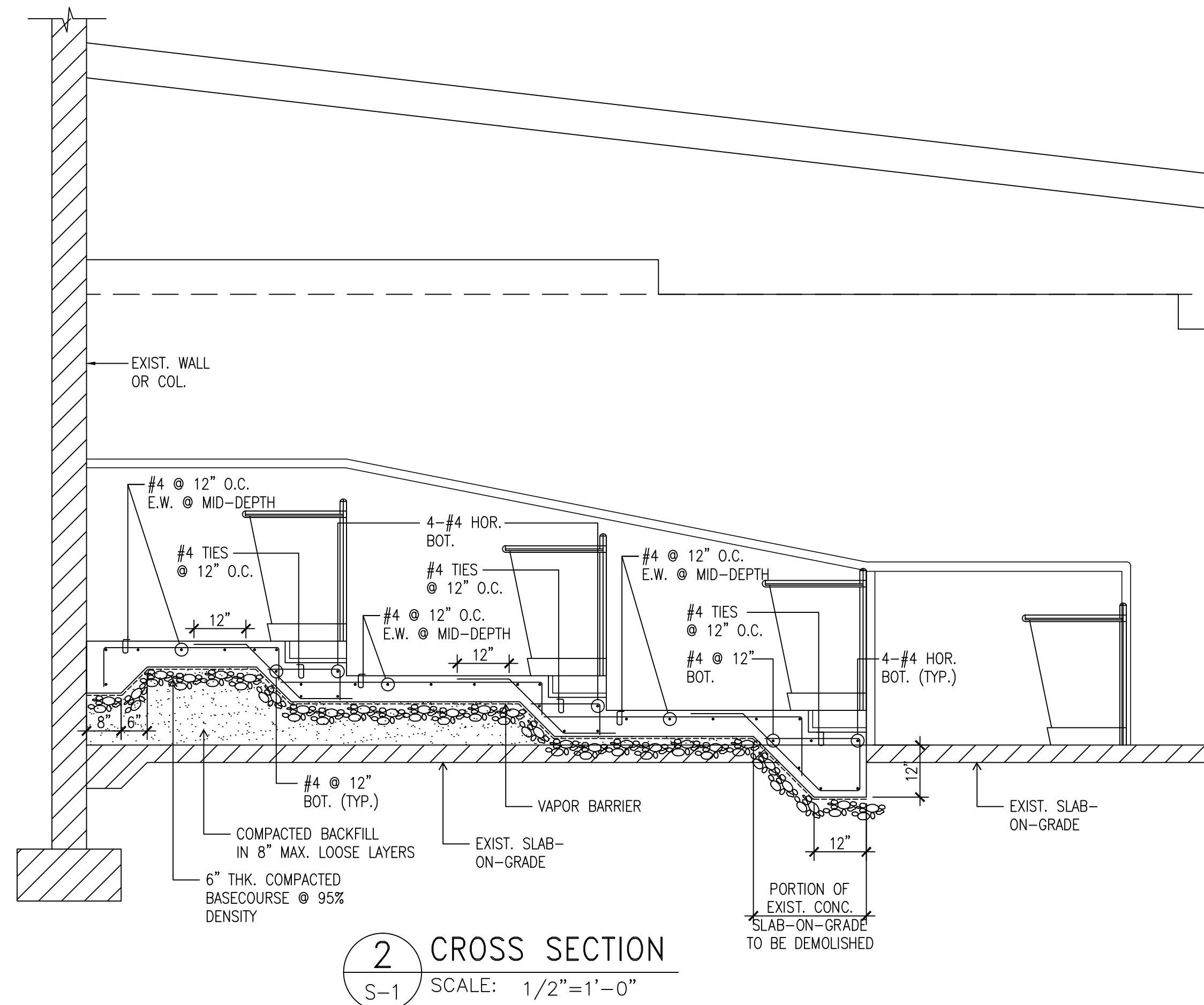
### REINFORCING STEEL:

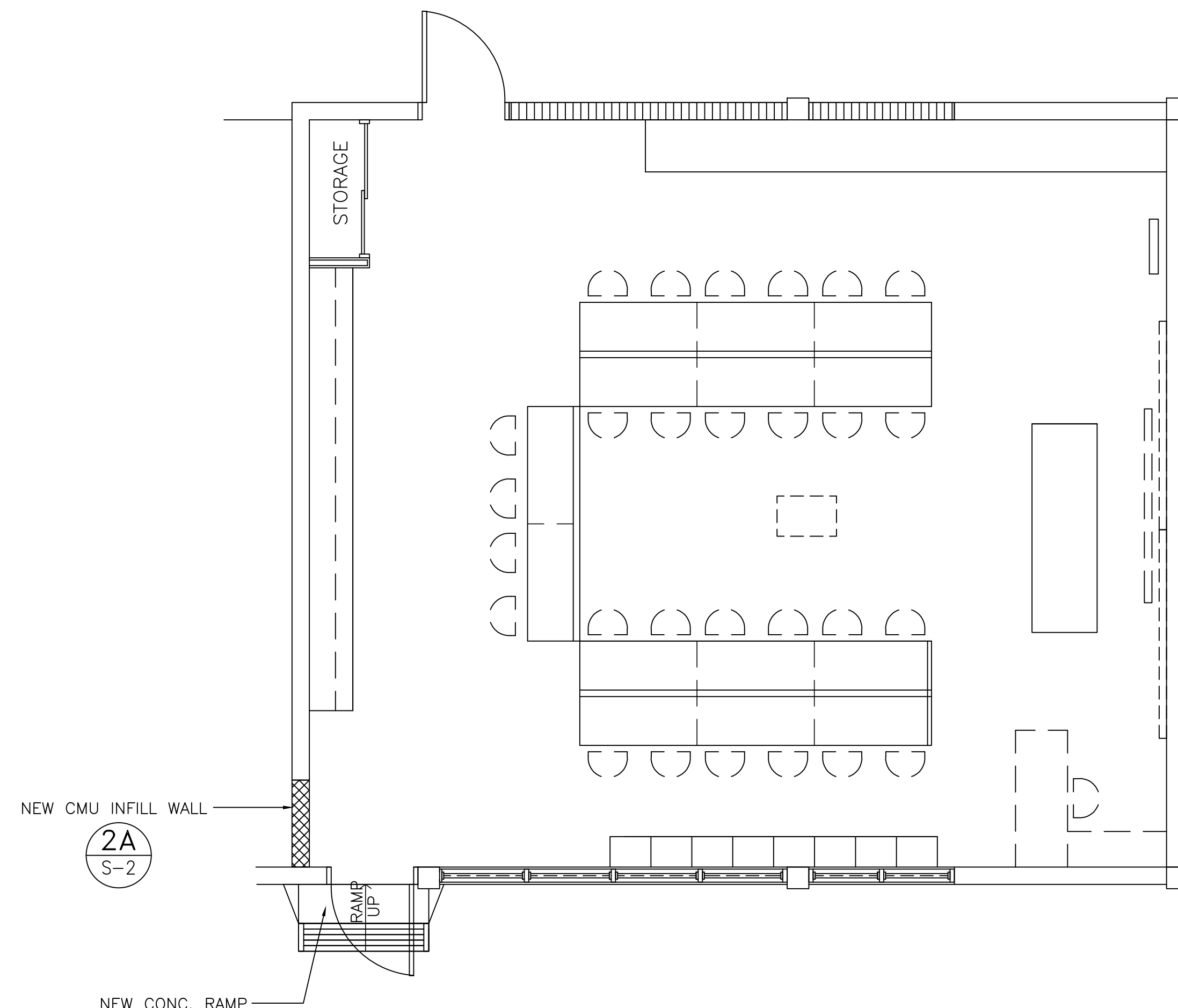
1. REINFORCING STEEL SHALL BE NEW STOCK DEFORMED BARS CONFORMING TO ASTM A615 GRADE 40.
2. ALL BARS SHALL BE FREE OF RUST, GREASE, MILL SCALE, OR ANY MATERIAL WHICH MAY AFFECT THEIR BOND TO CONCRETE.
3. ALL BARS BENDS MUST BE MADE COLD. REBENDING OF BARS WILL NOT BE PERMITTED.
4. BENDING, PLACING, SPACING, CONCRETE PROTECTIVE COVER, SPLICING, AND ALL OTHER DETAILS OF REINFORCING SHALL CONFORM TO THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318) AND THE "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES (ACI 315).

### CONCRETE:

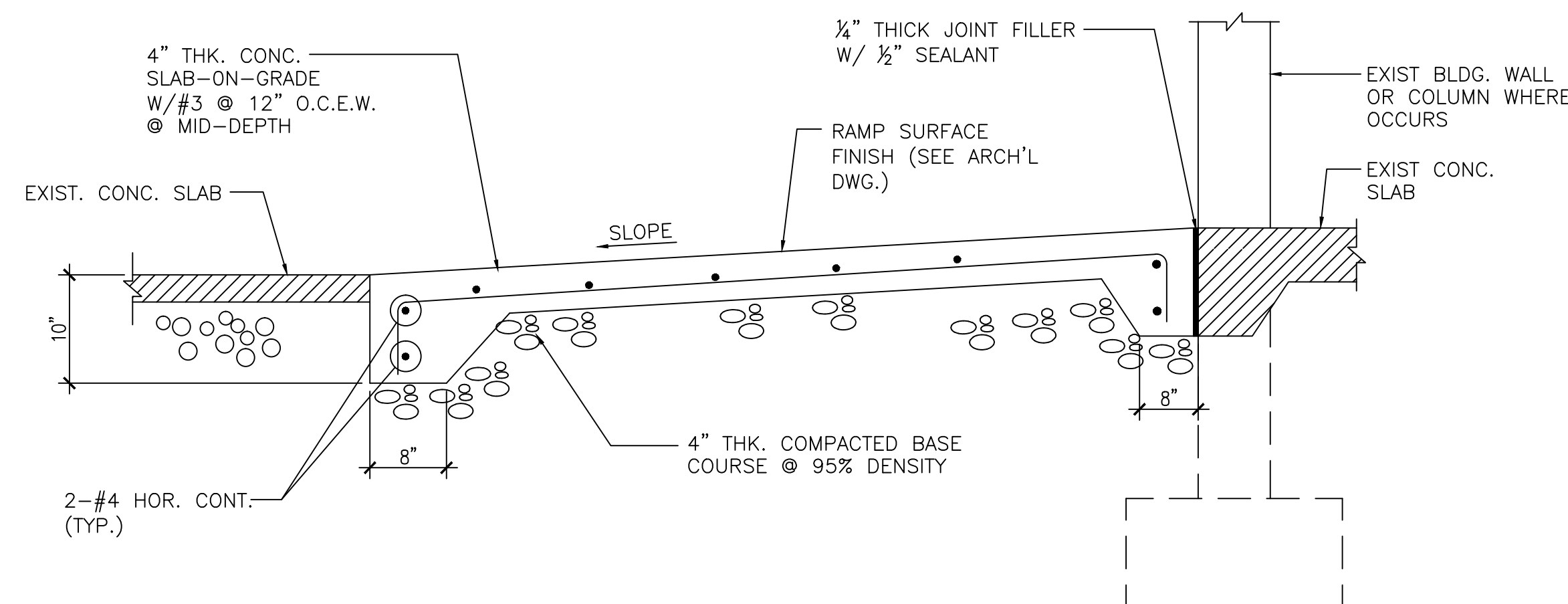
1. CONCRETE TO BE USED IN THE WORK SHALL HAVE THE FOLLOWING MINIMUM ULTIMATE COMPRESSIVE STRENGTHS AT AGE 28 DAYS:

SLAB - ON - GRADE ————— f'c = 3,000 PSI
2. ALL PHASES OF WORK PERTAINING TO THE CONCRETE CONSTRUCTION SHALL CONFORM TO THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318) WITH MODIFICATIONS AS NOTED IN THE DRAWINGS.
3. CEMENT SHALL BE TYPE I CONFORMING TO ASTM C150. MIXING OPERATIONS SHALL CONFORM TO ASTM C94. PLACEMENT SHALL CONFORM TO ACI STANDARDS.
4. ALL CONCRETE MIXES SHALL BE DESIGNED BY A CERTIFIED INDEPENDENT TESTING LABORATORY WHO SHALL SUBMIT COPIES OF THE DESIGN FOR APPROVAL AND SHALL IN ADDITION SUBMIT COPIES OF 7 AND 28 DAY CYLINDER TEST RESULTS TO THE ENGINEER AND OBTAIN APPROVAL PRIOR TO USE.
5. CONCRETE SHALL NOT BE FREELY DROP TO MORE THAN 3 FEET.
6. ALL CONCRETE SHALL BE PLACED WITH A SLUMP NOT TO EXCEED 4 INCHES.
7. CONCRETE COVER OVER REINFORCING STEEL SHALL BE:
  - A. CONCRETE CAST AGAINST EARTH (UNFORMED) ————— 3 INCHES
  - B. CONCRETE CAST AGAINST EARTH (FORMED) ————— 2 INCHES
8. SPLICES SHALL BE SECURELY WIRED TOGETHER AND SHALL LAP OR EXTEND A MINIMUM OF 40 BAR DIAMETER UNLESS SHOWN OTHERWISE ON PLAN.
9. IMMEDIATELY AFTER PLACEMENT, PROTECT THE CONCRETE FROM MOISTURE LOSS. MAINTAIN 100% COVERAGE OF WATER FOR 14 DAYS. THE CONCRETE SURFACES SHALL BE KEPT CONTINUOUSLY MOIST BY USE OF ANY OF THE FOLLOWING:
  - A. PONDING OR CONTINUOUS SPRINKLING
  - B. ABSORPTIVE MAT OR FABRIC KEPT CONTINUOUSLY WET
  - C. CURING COMPOUND APPLIED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER.
10. ALL TESTING THAT MAY BE REQUIRED BY THE ENGINEER FOR ALL WORK, SO INVOLVED SHALL BE PAID BY CONTRACTOR.

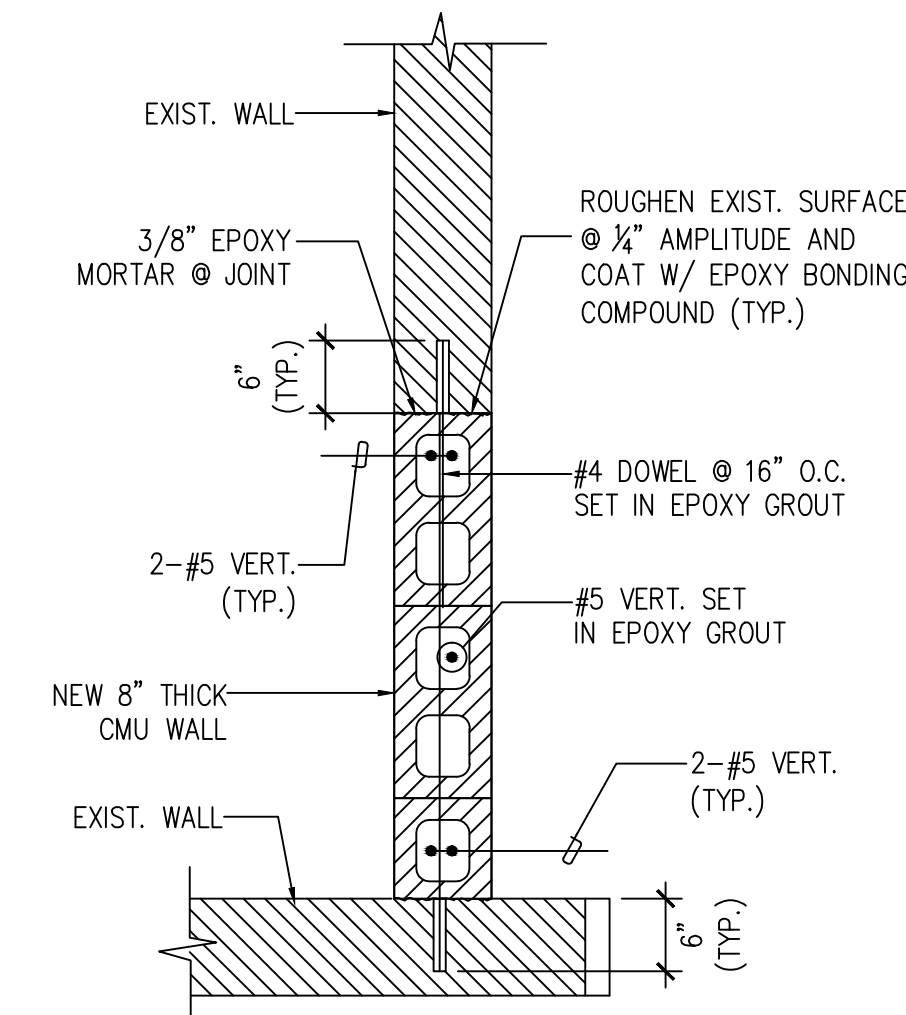




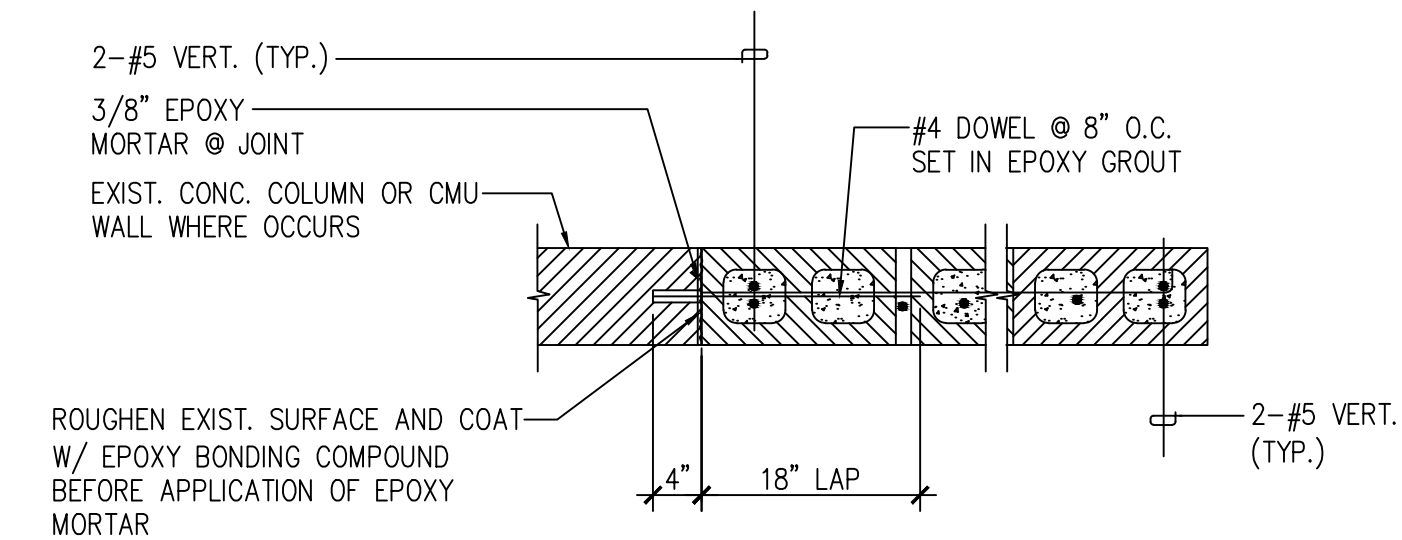
NEW FLOOR PLAN (STRUCTURAL)  
ROOM 26 (COMPUTER LAB)  
SCALE: 1/4"=1'-0"



### 3 NEW CONCRETE RAMP DETAIL

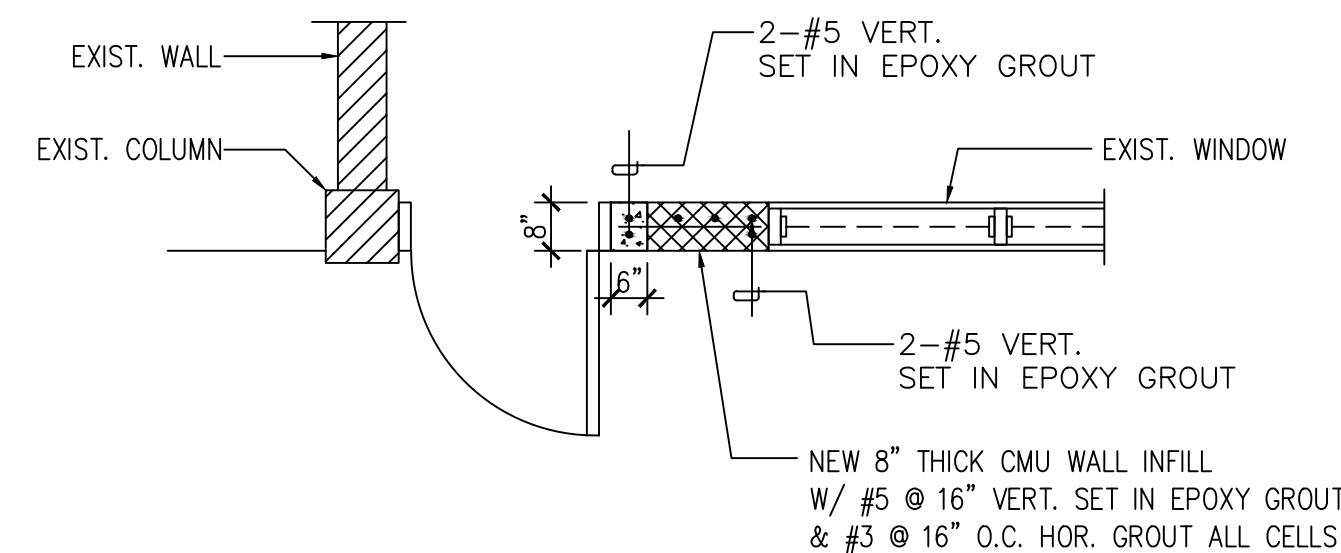


2A SECTION  
S-2 SCALE: 3/4"=1'-0"



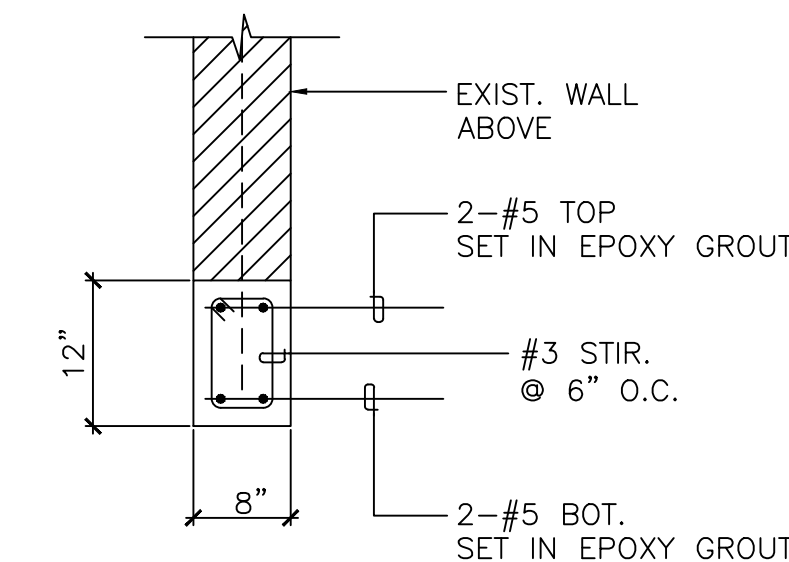
2B SECTION  
S-2 SCALE: 3/4"=1'-0"

NEW CMU WALL TO  
EXIST. CMU WALL CONNECTION

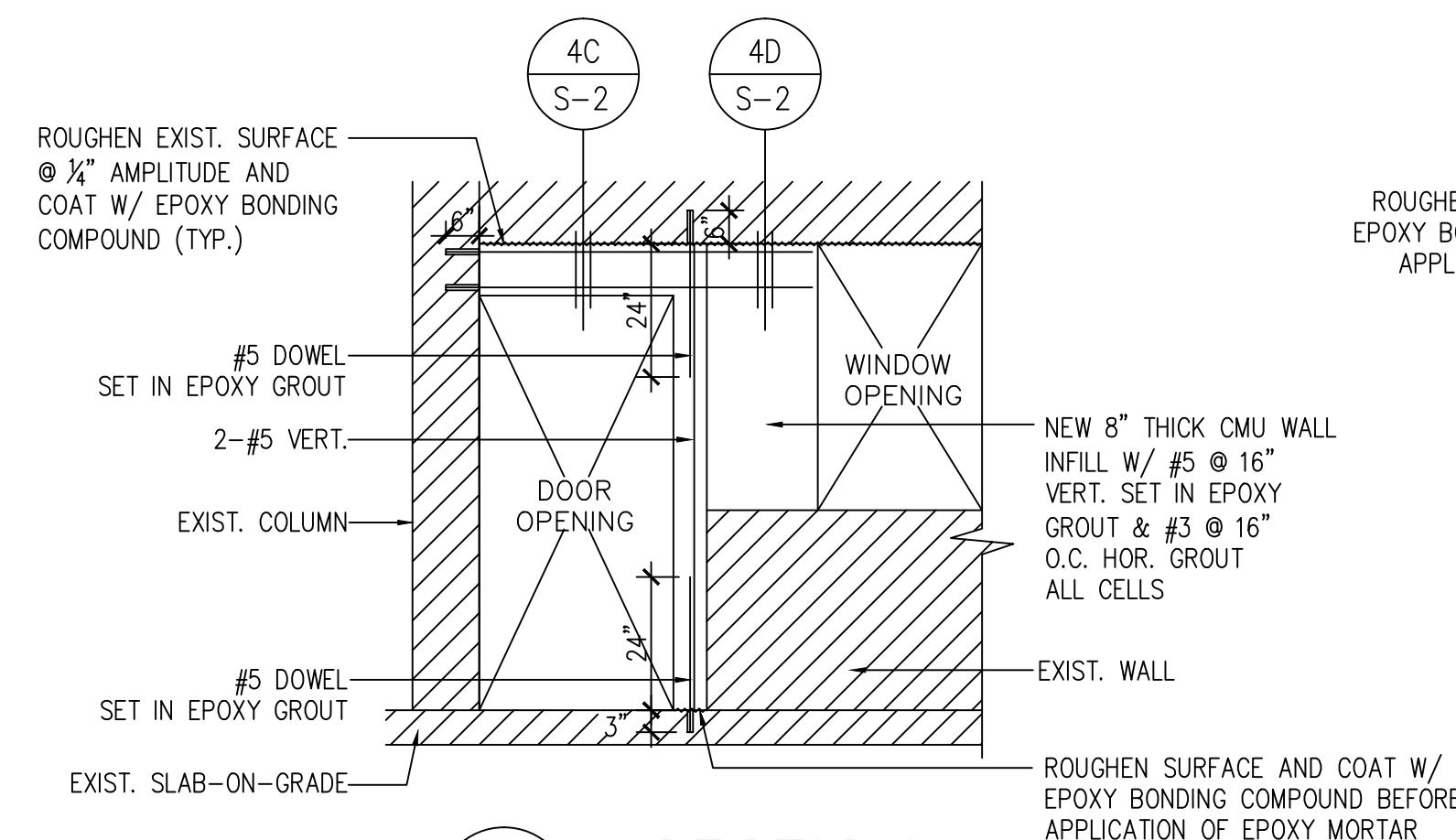


4A  
S-2

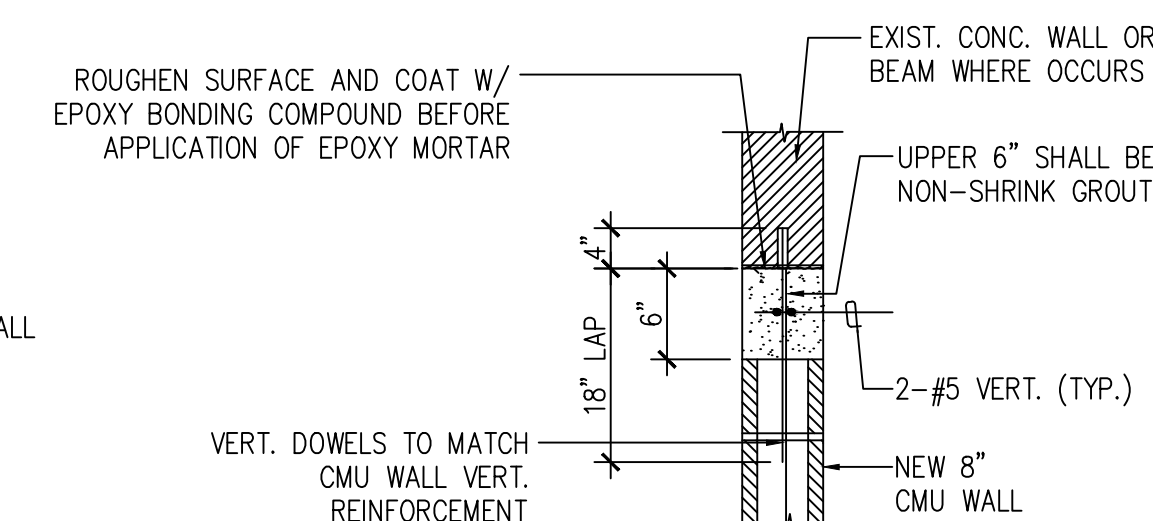
P L A N  
SCALE: 3/8"=1'-0"



4C SECTION  
S-2 SCALE: 3/4"=1'-0'



4B SECTION  
S-2 SCALE: 3/8"=1'-0"



NEW WALL TO EXIST. WALL/BEAM ABOVE

4D SECTION  
S-2 SCALE: 3/4"=1'-0"

4 TYP. NEW DOOR OPENING  
S-2 SCALE: 3/4"=1'-0"