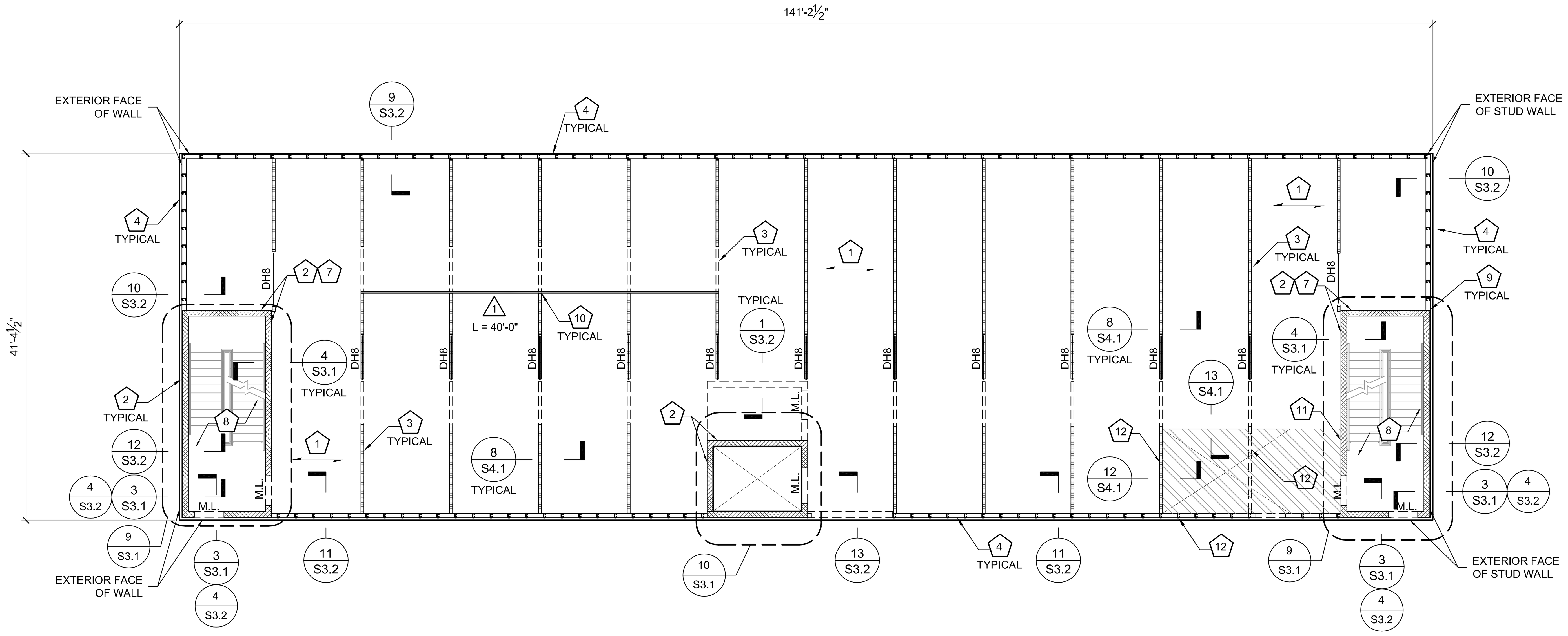


FIRST FLOOR FRAMING PLAN (2 / S1.1)

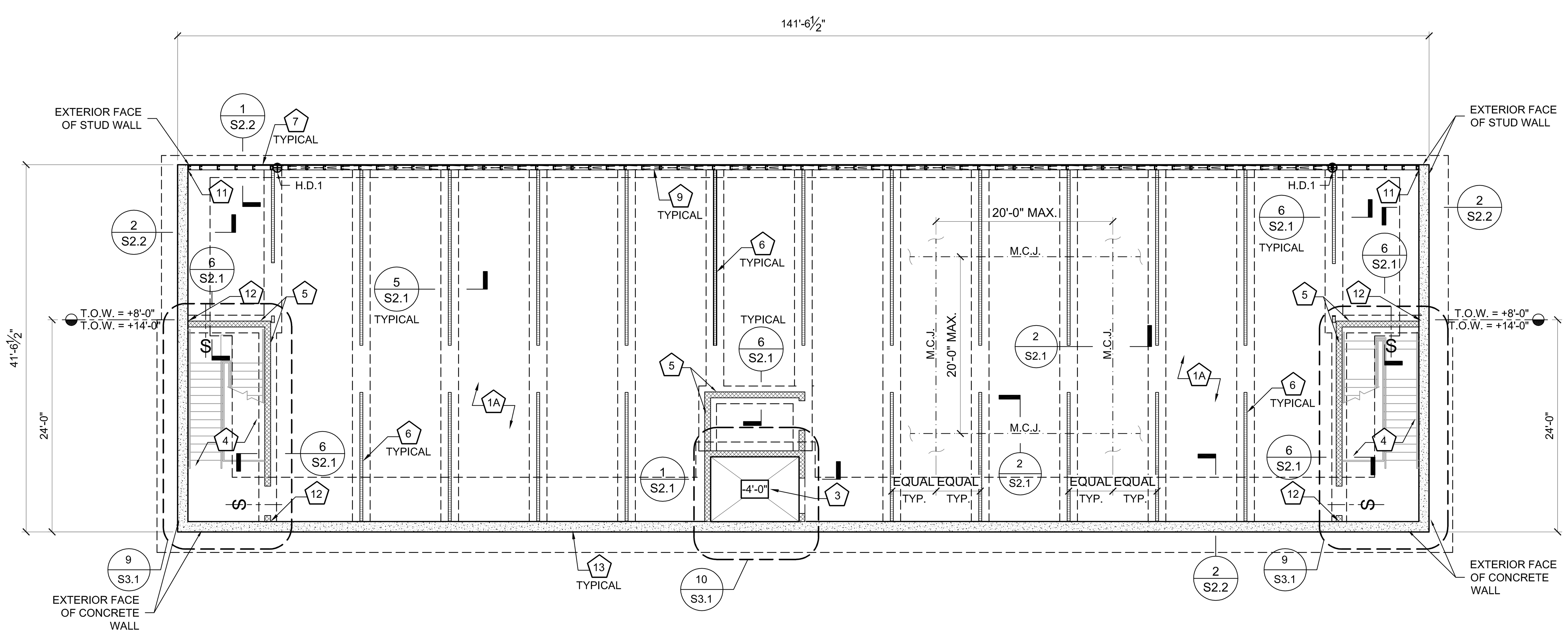
SCALE: 1/8" = 1'-0" FINISHED FLOOR EL. = 0'-0"

FIRST FLOOR FRAMING PLAN LEGEND:

- (1) INDICATES NOTE REFERRAL. SEE CORRESPONDING PLAN NOTE.
- INDICATES 4" INTERIOR STUD WALLS. SEE NOTE 3.
- INDICATES 6" EXTERIOR STUD WALLS. SEE NOTE 4.
- (1) L = 10'-8" INDICATES SHEAR WALL OF LENGTH SHOWN ON PLAN. SEE SHEAR WALL SCHEDULE ON 8 / S0.2.
- INDICATES 8" CMU WALLS. SEE NOTE 2.
- M.L. INDICATES MASONRY LINTEL OVER WALL OPENING BELOW. SEE LINTEL SCHEDULE ON SHEET S3.1.
- DHXX INDICATES HEADERS OVER WALL OPENING BELOW. SEE NOTE 5.
- INDICATES INTERIOR WALLS BELOW.
- INDICATES SPAN OF FLOOR SLAB SYSTEM. SEE NOTE 1.
- INDICATES CHANGE IN SLAB DEPTH TO 4 1/2" (TOTAL SLAB DEPTH = 6 1/2"). SEE DETAILS 12 & 13 / S4.1.

FIRST FLOOR FRAMING PLAN NOTES:

1. FLOOR SLAB SYSTEM:
   A. SLAB: 2 1/2" NORMAL WEIGHT CONCRETE.
   B. DECK: 2" - 18 GAGE COMPOSITE STEEL DECK (TOTAL SLAB DEPTH = 4 1/2").
   C. REINFORCEMENT: 6 x 6 - W1.4 x W1.4 WELDED WIRE REINFORCEMENT LOCATED 1 1/2" BELOW TOP OF SLAB.
   D. ATTACHMENT TO SUPPORTS: #12 SCREWS IN 36 / 4 FASTENER PATTERN.
   E. SIDE LAP CONNECTION: (3) #10 SCREWS PER SPAN.
   F. PERIMETER CONNECTION: #12 SCREWS @ 12" ON CENTER.
   G. INSTALLATION CONFIGURATION: TWO SPAN MINIMUM.
2. 8" MASONRY WALLS:
   A. WALL: 8" CMU.
   B. WALL REINFORCEMENT: #5 @ 32 " ON CENTER.
   C. REINFORCEMENT POSITION: CENTER IN MASONRY UNIT CELL IN EACH DIRECTION, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
   D. HORIZONTAL REINFORCEMENT: #9 WIRE LADDER TYPE @ 16" ON CENTER.
   E. SEE DETAILS ON SHEET S3.1 FOR ADDITIONAL REINFORCEMENT REQUIREMENTS.
3. 4" INTERIOR COLD FORMED STEEL WALLS:
   A. STUDS: 400 S 250 - 68 STUDS @ 5'-0" ON CENTER IN 400 T 250 - 54 BOTTOM TRACK.
   B. SHEATHING: 29 GAGE U-PANELS ONE SIDE UNLESS NOTED OTHERWISE. SEE SHEAR WALL SCHEDULE FOR U-PANEL SECTION PROPERTIES.
   C. SEE DETAIL 1 / S4.1 & 3B / S4.1 FOR TYPICAL INTERIOR WALL CONSTRUCTION.
   D. HAT CHANNEL BRACING: INSTALL CONTINUOUS 20 GA. HAT CHANNELS ON OPPOSITE SIDE OF STUDS @ MID-POINT OF SPAN UNLESS U-PANEL IS ON BOTH SIDES OF THE STUD, SEE PLAN. SEE 1 / S4.1 FOR HAT CHANNEL SECTION PROPERTIES.
4. 6" EXTERIOR COLD FORMED STEEL WALLS:
   A. STUDS: 600 S250 - 68 STUDS @ 2'-0" ON CENTER IN 600 T 250 - 68 TOP AND BOTTOM TRACK.
   B. SHEATHING: SHEATH INTERIOR FACE WITH WITH 29 GAGE U-PANELS. SEE SHEAR WALL SCHEDULE FOR U-PANEL SECTION PROPERTIES.
   C. SEE DETAIL 2 / S4.1 FOR TYPICAL EXTERIOR WALL CONSTRUCTION.
   D. FLAT STRAP BRACING: INSTALL 2" X 18 GA. FLAT STRAP ON EXTERIOR FACE OF STUDS @ MID-POINT OF SPAN.
5. HEADERS OVER OPENINGS BELOW FIRST FLOOR: SEE HEADER SCHEDULE ON 5 / S0.2.
6. DOUBLE STUDS UNDER ALL DOUBLE STUDS FROM LEVEL ABOVE. SEE ELEVATION 4 / S4.1 FOR BACK TO BACK FASTENING REQUIRES OF DOUBLE STUDS.
7. LEDGE ANGLE. SEE DETAIL 4 / S3.1.
8. STAIR DESIGN BY SPECIALTY ENGINEER. PROVIDE FULLY GROUTED CELLS AT ALL STAIR HANDRAIL LOCATIONS.
9. ATTACH STUDS TO CMU WITH (2) 1/4" Ø x 1 3/4" MASONRY SCREWS AT 2'-0" o.c.
10. SEE DETAIL 5 / S4.1 FOR NON LOAD-BEARING SHEAR WALL INTERSECTION INTO LOAD-BEARING WALL.
11. USE 5 x 6 1/2 x 5/16 (LLV) BENT PLATE CONT. FOR LEDGE ANGLE FOR 6 1/2" SLAB. SEE DETAIL 4 /S3.1 FOR ATTACHMENT TO CMU WALL.
12. DECK BEARING IS 2" LOWER THAN TYPICAL BEARING AT THESE WALLS.
13. ALL EXTERIOR DIMENSIONS ARE TO THE NOMINAL FACE OF EXTERIOR STUD WALL.
14. SEE ARCHITECTURAL DRAWINGS FOR INTERIOR WALLS, DOOR, DOOR SIZES AND LOCATIONS.



LOWER LEVEL / FOUNDATION PLAN (1 / S1.1)

SCALE: 1/8" = 1'-0" FINISHED FLOOR EL. = -14'-0"

FIRST FLOOR FOUNDATION PLAN LEGEND:

- (1) INDICATES NOTE REFERRAL. SEE CORRESPONDING PLAN NOTE.
- -4'-0" INDICATES TOP OF FOOTING ELEVATION RELATIVE TO FINISHED FLOOR ELEVATION = 0'-0".
- S.C.J. INDICATES SLAB CONTRACTION JOINT. SEE PLAN NOTE 1C.
- INDICATES 6" INTERIOR STUD WALLS. SEE NOTE 7.
- INDICATES 6" EXTERIOR STUD WALLS. SEE NOTE 8.
- INDICATES 8" CMU WALLS. SEE NOTE 6.
- INDICATES X-BRACING. ALL X-BRACING SHOWN ON PLAN IS FROM THIS LEVEL TO LEVEL ABOVE. SEE NOTE 9.
- H.D.1 INDICATES SIMPSON STRONG-TIE S/HDU9 AT NOTED LOCATIONS. SEE DETAIL 8 / S2.1.
- INDICATES STEP IN FOOTING. SEE DETAIL 8 / S2-2.
- T.O.W. INDICATES TOP OF WALL ELEVATION AT STEP.

FIRST FLOOR / FOUNDATION PLAN NOTES:

1. SLAB-ON-GRADE:
   A. SLAB: 5" THICK (F'_C = 4000 PSI).
   B. REINFORCEMENT: 6 x 6 - W2.9 x W2.9 WELDED WIRE REINFORCEMENT 1 1/2" BELOW TOP OF SLAB.
   C. CONTRACTION JOINTS: SEE REINFORCED CONCRETE NOTE #19 ON SHEET S0.1 FOR CONSTRUCTION OR CONTRACTION JOINT REQUIREMENTS. SEE DETAILS 2 / S2.1 AND 3 / S2.1.

   DO NOT SAW CUT SLAB AT COLUMN OR LOAD BEARING STUD LOCATIONS.
2. BUILDING FOUNDATION SUB-GRADE TO BE PER REFERENCED GEOTECHNICAL REPORT. COORDINATE PLACEMENT AND COMPACTION REQUIREMENTS WITH GEOTECHNICAL REPORT. COORDINATE VAPOR BARRIER REQUIREMENTS WITH ARCHITECTURAL DRAWINGS.
3. GENERAL CONTRACTOR TO VERIFY ELEVATOR PIT DEPTH REQUIREMENTS WITH ELEVATOR MANUFACTURER PRIOR TO PIT EXCAVATION AND MODIFY AS NECESSARY IF DIFFERENT THAN DEPTH SHOWN ON PLAN.
4. STAIR DESIGN BY SPECIALTY ENGINEER. SPECIALTY ENGINEER TO PROIVIDE CALCULATIONS FOR GROUTED AND UNGROUTED CELL CONDITIONS AT STAIR HANDRAIL LOCATIONS.
5. 8" MASONRY WALLS:
   A. WALL: 8" CMU.
   B. WALL REINFORCEMENT: #5 @ 32" ON CENTER.
   C. REINFORCEMENT POSITION: CENTER IN MASONRY UNIT CELL IN EACH DIRECTION, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
   D. HORIZONTAL REINFORCEMENT: #9 WIRE LADDER TYPE @ 16" ON CENTER.
   E. SEE DETAILS ON SHEET S3.1 FOR ADDITIONAL REINFORCEMENT REQUIREMENTS.
6. 6" INTERIOR COLD FORMED STEEL WALLS:
   A. STUDS: 600 S 250 - 97 STUDS @ 2'-6" ON CENTER IN 600 T 250 - 68 TOP TRACK AND 600 T 250 - 68 BOTTOM TRACK.
   B. SHEATHING: 26 GAGE U-PANELS BOTH SIDES UNLESS NOTED OTHERWISE. SEE SHEAR WALL SCHEDULE FOR U-PANEL SECTION PROPERTIES.
   C. SEE DETAIL 1 / S4.1 & 3B / S4.1 FOR TYPICAL INTERIOR WALL CONSTRUCTION.
   D. HAT CHANNEL BRACING: INSTALL CONTINUOUS 20 GA. HAT CHANNELS ON OPPOSITE SIDE OF STUDS @ MID-POINT OF SPAN. SEE 1 / S4.1 FOR HAT CHANNEL SECTION PROPERTIES.
7. 6" EXTERIOR COLD FORMED STEEL WALLS:
   A. STUDS: 600 S250 - 68 STUDS @ 2'-0" ON CENTER IN 600 T 250 - 68 TOP AND BOTTOM TRACK.
   B. SHEATHING: SHEATH INTERIOR FACE WITH WITH 26 GAGE U-PANELS. SEE SHEAR WALL SCHEDULE FOR U-PANEL SECTION PROPERTIES.
   C. SEE DETAIL 2 / S4.1 FOR TYPICAL EXTERIOR WALL CONSTRUCTION.
   D. FLAT STRAP BRACING: INSTALL 2" X 18 GA. FLAT STRAP ON EXTERIOR FACE OF STUDS @ MID-POINT OF SPAN.
8. SEE DETAIL 5 / S4.1 FOR X-BRACED WALL INTERSECTION INTO LOAD-BEARING WALL.
9. 4" x 14 GAGE STRAPS EACH SIDE OF TYPICAL INTERIOR STUDS @ 2'-0" ON CENTER SEE DETAIL 7 / S2.1 FOR CONNECTION AT HOLD DOWN AND 11 / S4.1 FOR TOP AND BOTTOM STRAP CONNECTIONS.
10. DOUBLE STUDS UNDER ALL DOUBLE STUDS FROM LEVEL ABOVE. SEE ELEVATION 4 / S4.1 FOR BACK TO BACK FASTENING REQUIRES OF DOUBLE STUDS.
11. ATTACH STUDS TO CONCRETE WALL WITH (2) 1/4" Ø x 1 3/4" MASONRY SCREWS AT 2'-0" o.c.
12. SEE 7 / S2.2 FOR CMU WALL ATTACHMENT TO CONCRETE WALL.
13. GENERAL CONTRACTOR TO CONFIRM WITH GEOTECHNICAL ENGINEER THAT THE EXCAVATION TO INSTALL THE CONCRETE CANTILEVER WALL COULD BE SLOPED AND THAT THE SLOPE COULD BE MAINTAINED DURING CONSTRUCTION. THE NEED OF EXCAVATION SUPPORT AND THE EFFECT THE EXCAVATION COULD HAVE TO THE STABILITY OF THE FOUNDATIONS OF THE ADJACENT EXISTING BUILDING SHALL BE EVALUATED BY THE GEOTECHNICAL ENGINEER PRIOR TO INSTALLING THE CONCRETE CANTILEVER WALL.
14. ALL EXTERIOR DIMENSIONS ARE TO THE NOMINAL FACE OF STUD.
15. SEE ARCHITECTURAL DRAWINGS FOR INTERIOR WALLS, DOOR, DOOR SIZES AND LOCATIONS.
16. SEE ARCHITECTURAL DRAWINGS FOR BUILDING ORIENTATION, LOCATION AND SIDEWALK LOCATIONS.

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DATE 6-5-20

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S1.1