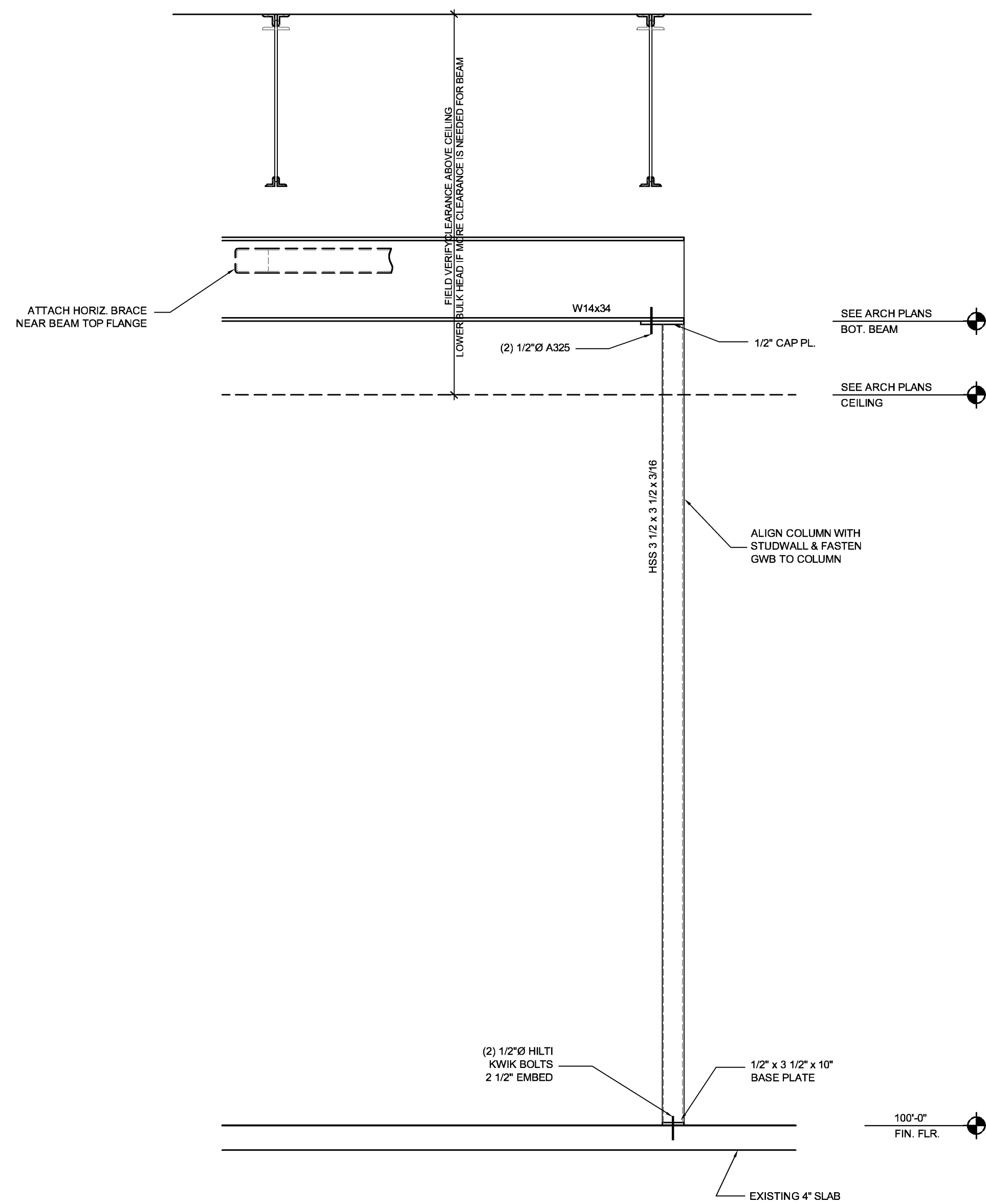
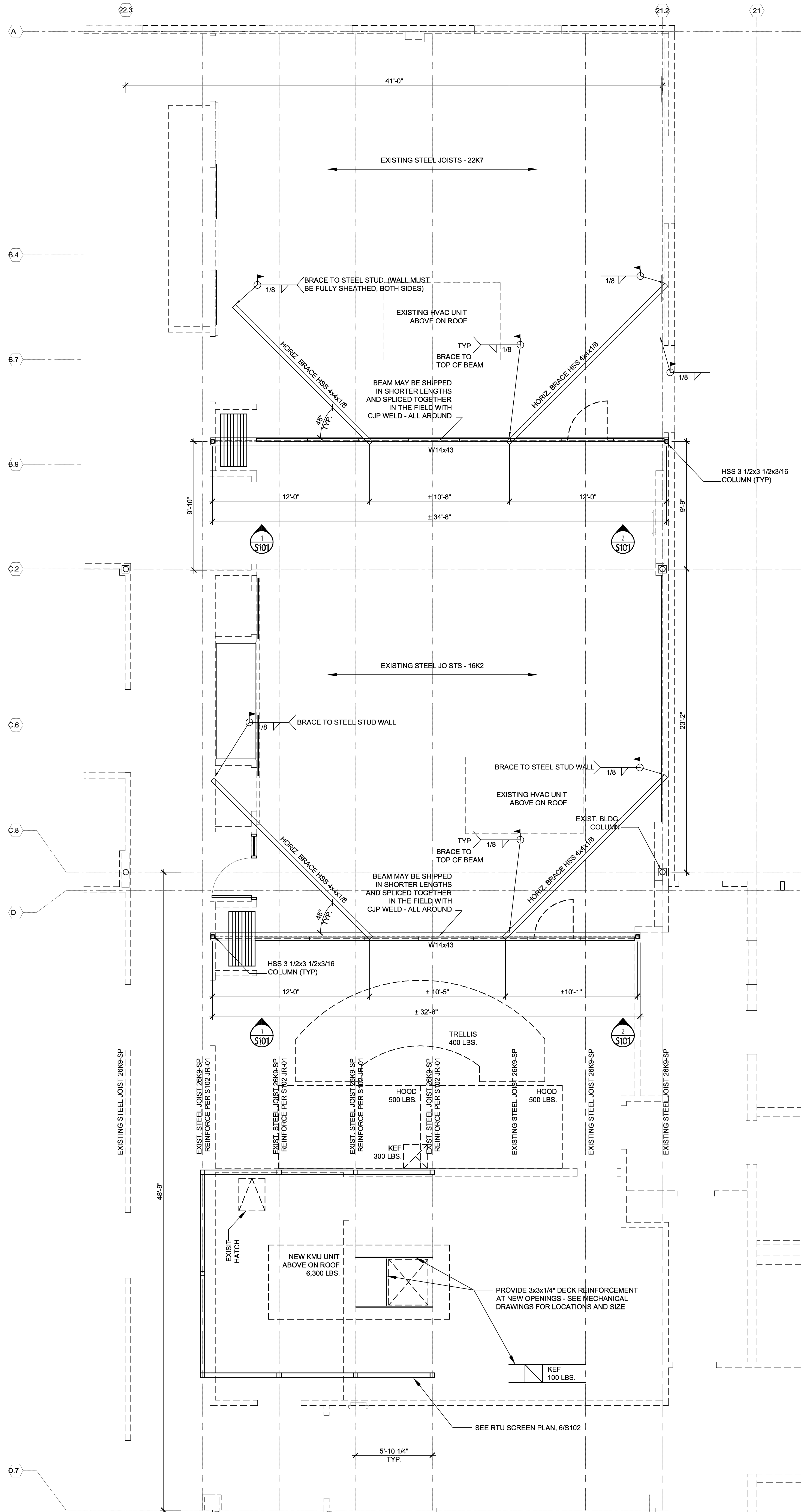


**1 NEW COLUMN WITH FOOTING**  
3/4" = 1'-0"



**2 NEW COLUMN ALONG EXTERIOR WALL**  
3/4" = 1'-0"



## STRUCTURAL NOTES

### DESIGN LOADS:

ALL DESIGN LOADS ARE IN ACCORDANCE WITH THE 2017 FLORIDA BUILDING CODE  
**WIND LOAD:**  
ASCE 7-10 168 MPH  
47 PSF ( 6W = 28 PSF )

### SOILS AND BEARING:

- 1) THE FOUNDATION BEARING VALUE IS ASSUMED TO BE 2,000 PSF.  
FOOTING BOTTOMS TO BE INSPECTED BY QUALIFIED SOILS ENGINEER.

### CONCRETE AND REINFORCEMENT:

- 1) CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS", EXCEPT AS MODIFIED BY THE SUPPLEMENTAL REQUIREMENTS BELOW.

- 2) USE  $f_c = 4,000$  PSI MINIMUM (L5.5) LIMESTONE CONCRETE FOR ALL SLABS ON GRADE, RETAINING WALLS AND ALL EXTERIOR PAVING.  
USE  $f_c = 3,000$  PSI MINIMUM (L5.5) LIMESTONE CONCRETE FOR ALL SPREAD FOOTINGS, FOUNDATION WALLS AND PIERS.

DESIGN CONCRETE MIXES TO THE FOLLOWING SPECIFICATIONS:

STRENGTH	MAX. WATER/CEMENT RATIO	AIR CONTENT %	SLUMP (IN.)
4000PSI	.42	1% TO 3%	2-4
3000PSI	.47	1% TO 3%	2-4

- 3) ALL REINFORCING STEEL SHALL BE ASTM A-615 GRADE 60 AND PROVIDED UNDER CONCRETE BID PACKAGE

- 4) CONCRETE DESIGN MIXTURE IS THE RESPONSIBILITY OF THE SUPPLIER.  
DESIGN MIXTURE MUST BE APPROVED BY DESIGN/BUILDER AND STRUCTURAL ENGINEER PRIOR TO POURING ANY CONCRETE.

### STEEL:

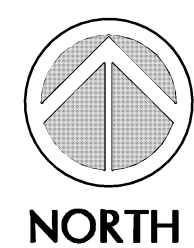
- 1) ALL STRUCTURAL SHAPES AND PLATES SHALL CONFORM TO ASTM A-36 EXCEPT AS NOTED HERE  
2) WIDE FLANGE MEMBERS SHALL BE 50 KSI (A992)  
3) TUBE COLUMN SHALL CONFORM TO ASTM A-500 GRADE B.  
4) ALL STRUCTURAL STEEL SHALL BE PRIME PAINTED WITH LIGHT GREY OXIDE PRIMER.  
5) BOLTS FOR STRUCTURAL CONNECTIONS SHALL BE 3/4" DIAMETER A325 IN BEARING TYPE CONNECTIONS, TIGHTENED TO SNUG TIGHT PER AISC UNLESS NOTED OTHERWISE.  
6) ANCHOR BOLTS SHALL CONFORM TO ASTM A-36 OR A-307. ALL ANCHOR BOLTS SHALL BE PRESET BY TEMPLATE OR LEVELING PLATE.  
7) CONNECTIONS NOT SPECIFICALLY DETAILED SHALL BE DESIGNED BY THE FABRICATOR PER AISC SPECIFICATIONS. SHOP DRAWINGS SHALL BE PREPARED AND SUBMITTED FOR REVIEW BY THE DESIGN/BUILDER AND STRUCTURAL ENGINEER.  
8) ALL ERECTING SHALL BE DONE IN ACCORDANCE TO SHOP DRAWINGS PROVIDED BY FABRICATOR.

### DESIGN METHOD

BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE  
(ACI 318-14)

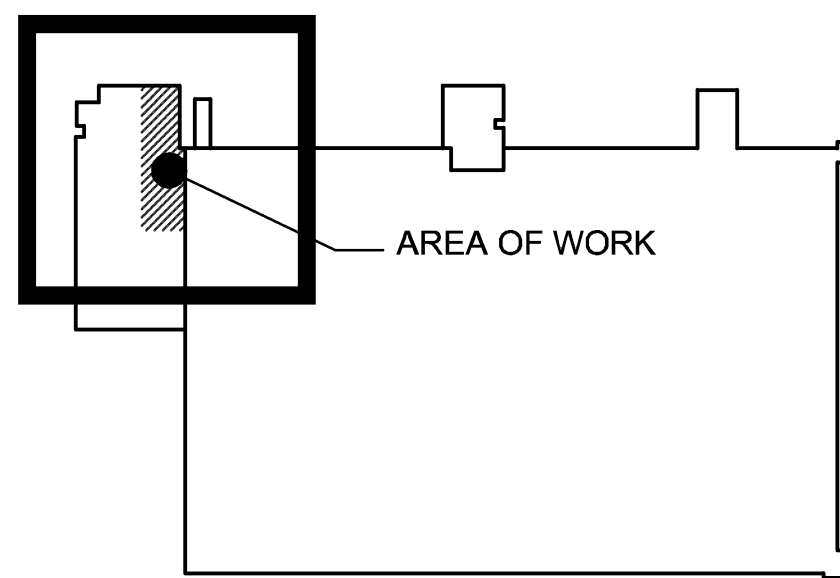
SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS (AISC 14TH EDITION)

SPECIFICATION FOR DESIGN OF COLD FORMED STRUCTURAL MEMBERS  
(AISI S200-2012)

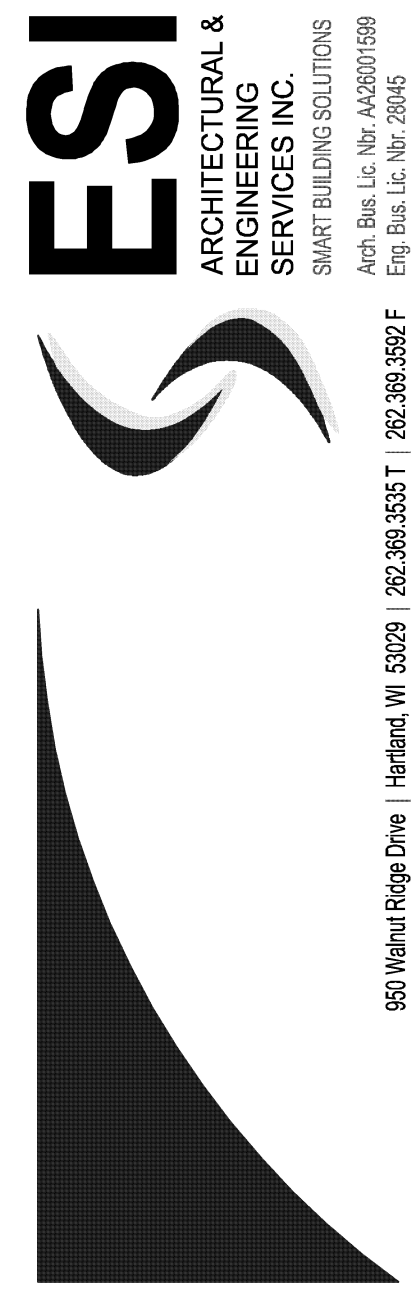


## STRUCTURAL PLAN

1/4" = 1'-0"



**KEY PLAN**  
N.T.S.



**4th DIMENSION DESIGN, INC.**  
817 Venture Court  
Waukesha, Wisconsin 53188  
(262) 896-6000

**KITCHEN RENOVATION FOR  
US FOODS - SOUTH FLORIDA**  
7598 NW 6TH AVENUE  
BOCA RATON, FL 33487

### REVISIONS

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DATE	JOB NO.
01-06-20	50-1414-19
DWG BY	CHK'D BY
KMR	JR

**SHEET TITLE**  
**FIRST FLOOR FRAMING  
PLAN & DETAILS**

PRELIMINARY DWGS. |  
FINAL CONST. DWGS. |

SHEET NUMBER

**S101**

STRUCTURAL