

GROUND FLOOR WALL BRACING PLAN NOTES:

- 1.- ALL CHANGES IN THE DRAWING LAYOUT AND SPECIFICATIONS MUST BE APPROVED BY THE ENGINEER.
- 2.- THESE DRAWINGS HAVE BEEN PREPARED BASED ON INFORMATION FURNISHED BY THE CONTRACTOR.
- 3.- THE APPLICABLE RECOMMENDED PRACTICES OF THE SHORING AND FORMING INSTITUTE, INC. AND OSHA SHALL BE FOLLOWED.
- 4.- ALL EQUIPMENT MUST BE ERECTED PLUMB AND LEVEL.
- 5.- IT IS THE CONTRACTOR'S RESPONSIBILITY FOR SAFETY REQUIREMENTS DURING ERECTION, USE AND DISMANTLING OF ASSEMBLY.

LEGEND:

EXISTING MASONRY WALL TO BE BRACED	
EXISTING MASONRY WALL TO BE DEMOLISHED	
EXISTING MASONRY WALL TO BE DEMOLISHED FOR PROPOSED ACCESS	
EXISTING MASONRY WALL TO BE TEMPORARILY DEMOLISHED AND REINTERPRETED	
REINFORCED CONCRETE PILE CAP SUPPORTED ON (2) HELICAL PILES	

GROUND FLOOR WALL BRACING PLAN

SCALE: 1/8"=1'-0"



TO THE BEST OF THE ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE FLORIDA BUILDING CODE 2017 AND THE APPLICABLE PRE-SAFETY STANDARDS AS REFERENCED BY THE LOCAL JURISDICTION IN ACCORDANCE WITH FBC 2017, TITLE 4-A AND CHAPTER 401, FLORIDA STATUTES.

SECOND AND ROOF LEVEL WALL BRACING PLAN NOTES:

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SECOND AND ROOF LEVEL WALL BRACING PLAN

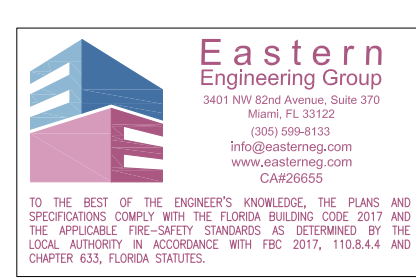
SCALE: 1/8"=1'-0"



TO THE BEST OF THE ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE FLORIDA BUILDING CODE, 2017 AND THE APPLICABLE PRE-SAFETY STANDARDS AS REFERENCED IN THE LOCAL ORDINANCES IN ACCORDANCE WITH FBC 2017, TITLE 4-A AND CHAPTER 401, FLORIDA STATUTES.

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CONCRETE:

-ALL STRUCTURAL CONCRETE HAS BEEN DESIGNED IN ACCORDANCE WITH THE ACI 318 LATEST EDITION AND THE BUILDING CODE.
-THE CONCRETE REQUIREMENTS ARE:
A. CEMENT SHALL BE TYPE I OR II CONFORMING TO ASTM C150.
B. FINE AND COURSE AGGREGATES SHALL CONFORM TO ASTM C33.

-COMPRESSIVE STRENGTH AT 28 DAYS:
ALL CONCRETE SHALL HAVE A MAXIMUM WATER CEMENT RATIO OF 0.4 FOR EXTERIOR CONCRETE ACCORDING TO ACI 318-11, TABLES 4.2.1 AND 4.3.1, AND A 0.15 MAX. WATER-SOLUBLE CHLORIDE ION CONTENT IN CONCRETE.

PILE CAPS5000 PSI

-TEST: A MIN. OF 5 CONCRETE SPECIMENS SHALL BE TAKEN FROM EACH 50 CU. YD. OR PORTION THEREOF SPECIMENS SHALL BE TESTED ACCORDING TO A.S.T.M. C-39, ONE AT 3, ONE AT 7, AND 3 AT 28 DAYS.

-COVER:

CONCRETE DEPOSITED AGAINST THE GROUND:..... 3"
FORMED CONCRETE IN CONTACT WITH THE GROUND:..... 2"

STRUCTURAL STEEL:

-STRUCTURAL STEEL HAS BEEN DESIGNED IN ACCORDANCE WITH THE BUILDING CODE AND AISC SPECIFICATIONS NINTH EDITION. STRUCTURAL STEEL SHALL MEET THE FOLLOWING REQUIREMENTS UNLESS NOTED OTHERWISE ON THE DRAWINGS:

TYPE	ASTM	GRADE	Fy
ALL STANDARD STEEL SHAPES	A36	-----	36 KSI
ANCHOR BOLTS	A307	-----	
STRUCTURAL BOLTS	A325	-----	

-ALL WELDING SHALL BE IN ACCORDANCE WITH LATEST AWS CODE. ALL WELDS SHALL USE E70XX ELECTRODES SERIES LOW HYDROGEN ELECTRODES.

-WELDERS SHALL BE AWS CERTIFIED.

-PROVIDE ONE SHOP COAT OF RUST INHIBITING PAINT MIN. 3 ML. DRY FILM THICKNESS).

-ALL STEEL EXPOSED TO THE WEATHER SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123 FOR MEMBERS AND ASTM A153 FOR CONNECTION ELEMENTS. THIS INCLUDES ALL STRUCTURAL STEEL USED TO SUPPORT MECHANICAL EQUIPMENT AND ALL ROOF BRACING AND OTHER STRUCTURAL MEMBERS.

-PLATES SHALL BE TOUCHED AFTER WELDING HAS TAKEN PLACE.

-ALL ANCHOR BOLTS/NUT SHALL BE A307 U.N.O. HEAD PLATE SHALL CONFORM TO ASTM-A36.

-NUTS SHALL BE HEAVY HEX

-DRILL OR PUNCH BOLT HOLES $\frac{1}{16}$ " LARGER THAN BOLT DIAMETER.

-STRUCTURAL BOLTS CONNECTION TYPE SHALL BE SLIP CRITICAL CLASS A

-FINISH COLOR OF PAINT TO BE SELECTED BY THE OWNER AND APPLIED IN THE FIELD.

-ALL STEEL COLUMN TUBULAR SECTIONS TO FILLED SOLID W/ 2500 PSI FINE GROUT.

REINFORCING STEEL:

-REINFORCING BARS CONFORMING TO A.S.T.M. A-615 GRADE 60, INCLUDING COLUMN AND BEAM TIES.

-WELDED FIRE FABRIC CONFORMING TO A.S.T.M. A-185 AND SUPPORTED ON SLAB BOLSTERS SPACED AT 3'-0" O/C.

-REINFORCING BARS REQUIRED TO BE WELDED SHALL CONFORM TO THE REQUIREMENTS OF ASTM A706 GRADE 60. WELDING OF REINFORCING OTHER THAN SPECIFIED IS PROHIBITED.

-MECHANICAL CONNECTORS SHALL BE IN ACCORD WITH ACI 439-3R-83.

-FABRICATION AND DETAILING ACCORDING TO A.C.I.-315.

-ALL ACCESSORIES TO HAVE UPTURNED LEGS AND BE PLASTIC DIPPED AFTER FABRICATION. THE CONTRACTOR SHALL INCLUDE IN HIS BASE BID THE COST

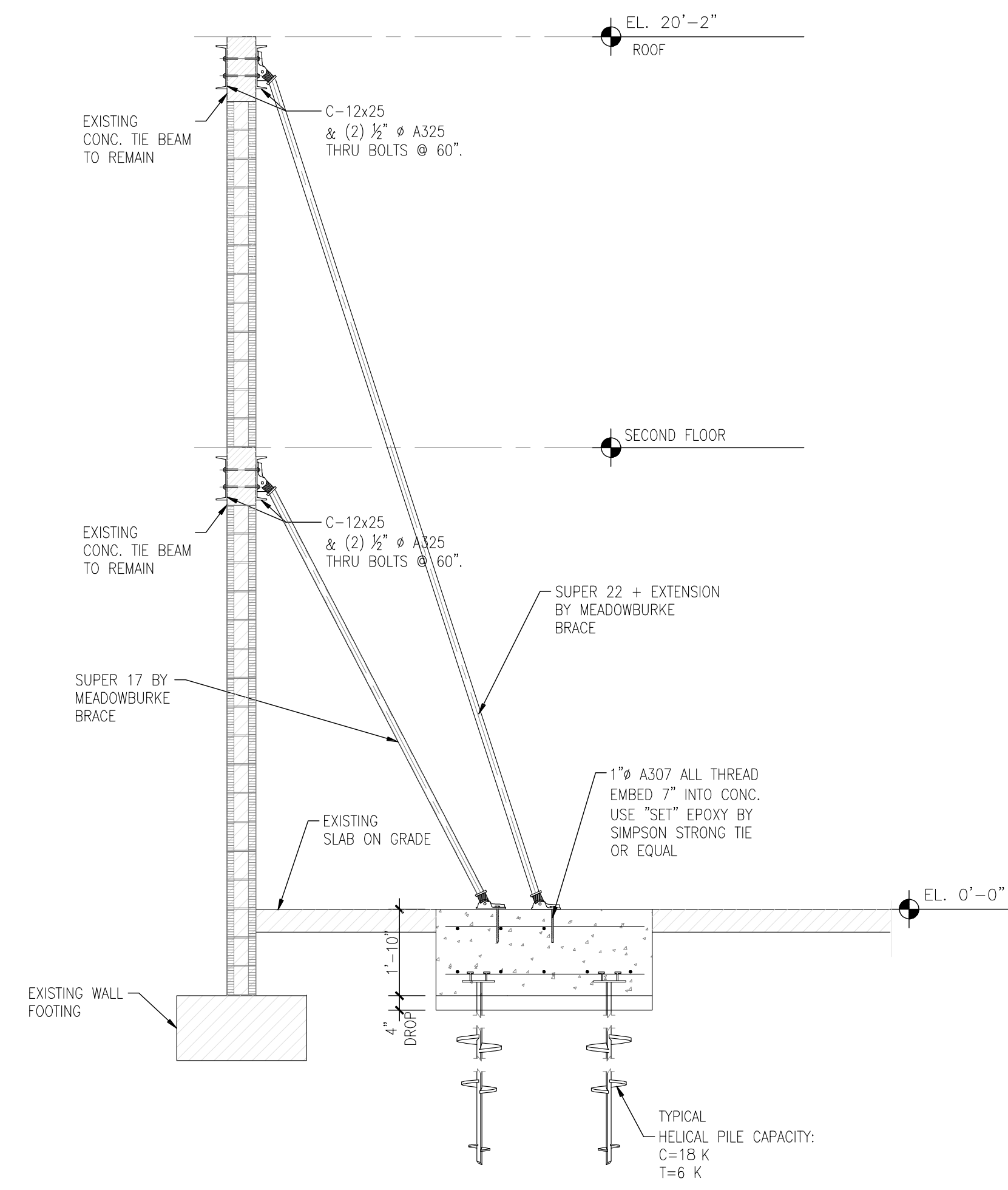
SHORING, RE-SHORING, AND TEMPORARY BRACING:

-ALL SHORING, RE-SHORING AND TEMPORARY BRACING REQUIRED IN THIS PROJECT IS TO BE DESIGNED BY FLORIDA PROFESSIONAL ENGINEER WHO SPECIALIZES IN FORM WORK/TEMPORARY BRACING DESIGN, AND WHO HAS BEEN HIRED BY THE GENERAL CONTRACTOR. THE GENERAL CONTRACTOR IS THE ULTIMATE RESPONSIBLE PARTY FOR SHORING, RE-SHORING, AND TEMPORARY BRACING REQUIRED ON THIS PROJECT AND MUST SATISFY HIMSELF WITH THE ADEQUACY OF THE INSTALLATION OF THESE ITEMS AT ALL TIMES. IN THE SPECIFIC CASE OF POURED SLABS IT IS HIGHLY RECOMMENDED THAT FROM THE SHORING DESIGNER OR HIS AGENT PRIOR TO THE PLACEMENT OF CONCRETE THE GENERAL CONTRACTOR SECURE A CERTIFICATION OF THE INSTALLED SHORING.

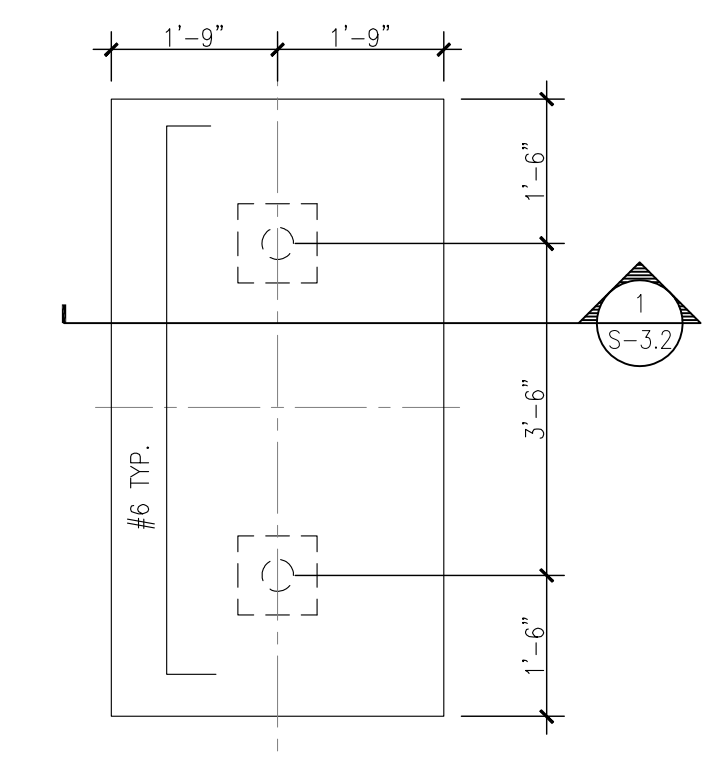
SAFETY OSHA AND LABOR LAWS:

-THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE AND INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, TEMPORARY BRACING, ETC. THAT MAY BE NECESSARY. SUCH MATERIAL SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER COMPLETION OF THE PROJECT.

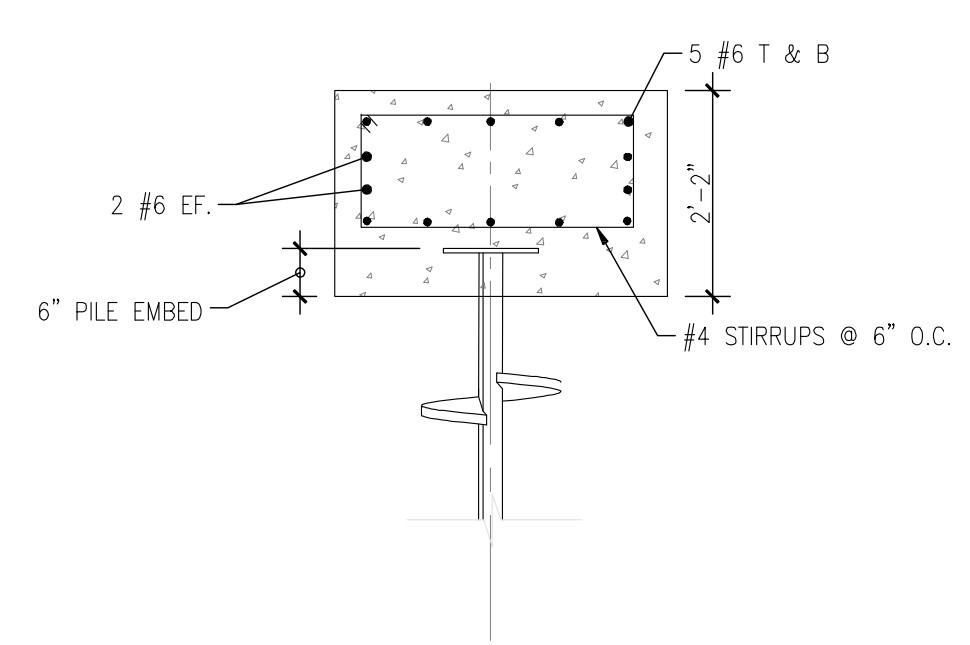
-THE STRUCTURAL ENGINEER OF RECORD DOES NOT POSSES, NOR PRESUMES TO POSSES ANY KNOWLEDGE OR EXPERTISE IN MATTERS TO JOB SITE EMPLOYEE SAFETY, OSHA OR LABOR LAE REQUIREMENTS FOR A CONSTRUCTION PROJECT. SAFETY AND COMPLIANCE WITH OSHA AND LABOR LAWS ARE THE ABSOLUTE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND THOSE CONSULTANTS HE HIRES TO ADDRESS THESE MATTERS. THE STRUCTURAL ENGINEER OF RECORD SPECIALIZES IN STRUCTURAL DESIGN ONLY, AND THE BOARD OF PROFESSIONAL REGULATION FORBIDS HIM FROM ASSUMING RESPONSIBILITY OUTSIDE HIS AREA OF EXPERTISE



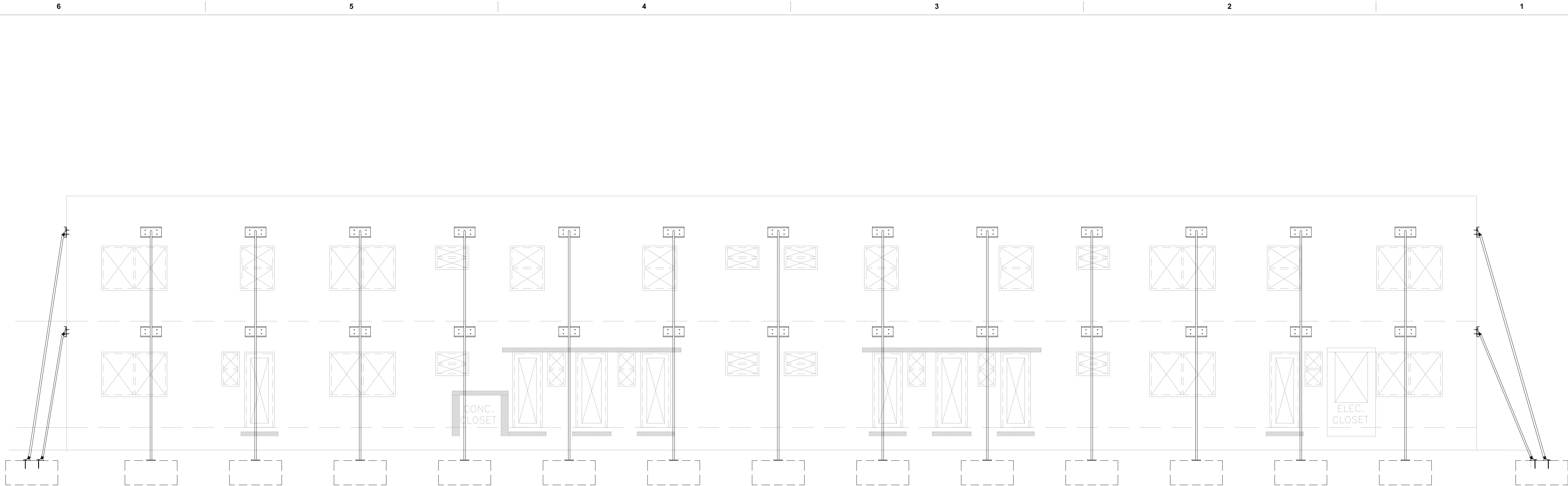
TYPICAL BRACING SECTION
SCALE: 3/8"=1'-0"



PILE CAP TYP. DETAIL
SCALE: 1"=1'-0"

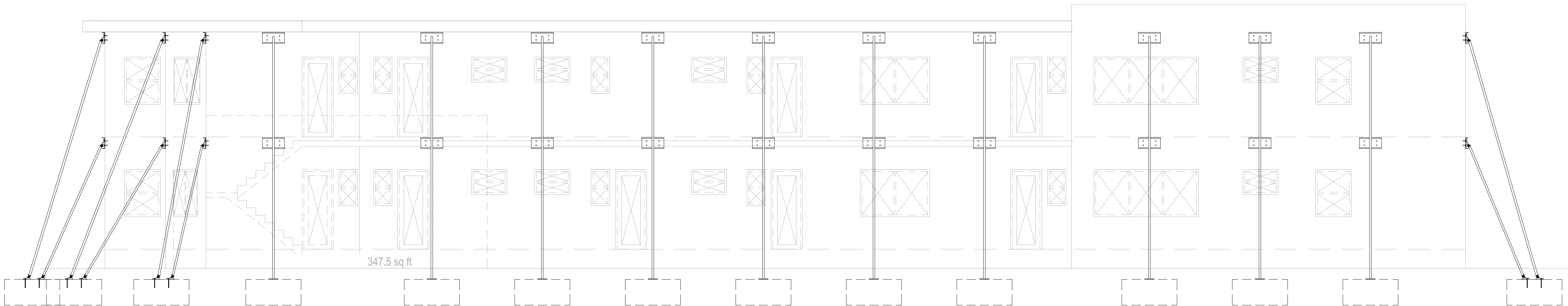


PILE CAP SECTION
SCALE: 1"=1'-0"



NORTH ELEVATION

SCALE: 3/16"=1'-0"

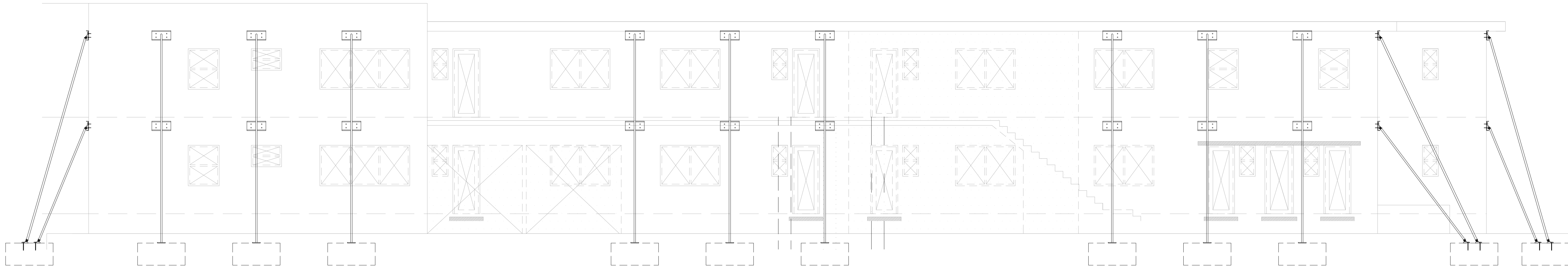
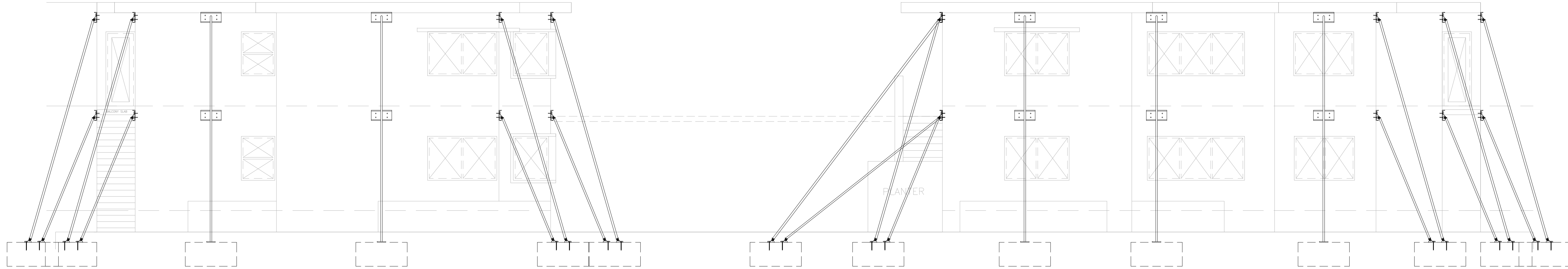


EAST ELEVATION

SCALE: 3/16"=1'-0"

SOUTH ELEVATION
SCALE: 3/16"=1'-0"

WEST ELEVATION
SCALE: 3/16"=1'-0"



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