

STRUCTURAL NOTES

THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION OF ALL RELATED SAFETY PRECAUTIONS AND PROGRAMS.

1. WIND LOADS AS PER:
 - A. SECTION 1609 OF THE FLORIDA BUILDING CODE 5TH EDITION (2014) WITH AN ULTIMATE WIND SPEED VULT = 180 MPH NOMINAL WIND SPEED VASD = 132 MPH), FOR RISK CATEGORY III, EXPOSURE C AND INTERNAL PRESSURE COEFFICIENT +/- 0.18.
 - B. THIS BUILDING IS DESIGNED AS AN ENCLOSED BUILDING.
2. THE PROJECT WAS DESIGNED IN ACCORDANCE WITH THE:
 - A. FLORIDA BUILDING CODE 5TH EDITION (2014),
 - B. BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318/ LATEST EDITION),
 - C. MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES (ACI 315/ LATEST EDITION),
 - D. ARCHITECTURAL AND MECHANICAL DRAWINGS.
3. THE STRUCTURAL DRAWINGS ARE PART OF THE CONTRACT DOCUMENTS AND DO NOT BE PRESENTED AS A COMPLETE SET OF DRAWINGS. THE GENERAL CONTRACTOR SHALL CONSULT THE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND COORDINATE THE DRAWINGS TO PROPERLY CONSTRUCT THE PROJECT.
 - A. REFER TO ARCHITECTURAL, MECHANICAL OR ELECTRICAL DRAWINGS SETTINGS, DRAINS, REGLETS, ETC.
 - B. BEFORE OPERING ANY MATERIALS OR DOING ANY WORK, THE CONTRACTOR SHALL VERIFY THAT THE MATERIALS AND METHODS OF FIT THE WORK. NO EXTRA CHARGE OR COMPENSATION WILL BE ALLOWED TO COMPLY WITH THIS REQUIREMENT.
 - C. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER BEFORE PROCEEDING WITH ANY WORK.
 - D. ALL STRUCTURES HAVE BEEN DESIGNED TO RESIST THE DESIGN LOADS LISTED ONLY AS COMPLETED STRUCTURES. THE GENERAL CONTRACTOR SHALL FULLY BRACE AND OTHERWISE PROTECT WORK IN PROGRESS UNTIL THE STRUCTURES ARE COMPLETED OPERATIONS AND PROCEDURES PROVIDE NO LOADING GREATER THAN THE DESIGN LOADS LISTED ON ANY MEMBER.
4. SECTIONS AND DETAILS:
 - A. ALL DETAILS, SECTIONS AND NOTES SHOWN ON THE DRAWINGS ARE PART OF THE CONTRACT DOCUMENTS AND SHALL BE USED AS SHOWN UNLESS OTHERWISE INDICATED ELSEWHERE UNLESS OTHERWISE SHOWN.
5. MATERIALS AND ASSEMBLY TEST AS FOLLOWS:
 - A. EXTERIOR WINDOWS, SLIDING AND PATIO GLASS DOORS SHALL BE TESTED BY AN APPROVED INDEPENDENT TESTING LABORATORY, AND SHALL BE PERFORMED ON EACH WINDOW OR DOOR PRIOR TO MANUFACTURE. TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE TESTING PROCEDURE OF THE TESTING LABORATORY. EVALUATION ENTRY OR FLORIDA STATE WIDE PRODUCT APPROVAL NUMBER TO INDICATE COMPLIANCE WITH THE REQUIREMENTS OF ONE OF THE FOLLOWING SPECIFICATIONS:
 - ANSI/AAMA/WMMA 101/1.S. 2-97 OR TAS 202 (HAZ) SHALL COMPLY WITH TAS 202)

ADDITIONS/RENOVATIONS

1. ALL EXISTING CONDITIONS, DIMENSIONS, LOCATIONS AND ELEVATIONS OF EXISTING STRUCTURES SHOWN ON THE DRAWINGS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION OF ALL RELATED SAFETY PRECAUTIONS AND PROGRAMS.
2. PRIOR TO SHOP DRAWING PREPARATION, THE GENERAL CONTRACTOR IS TO INVESTIGATE AND VERIFY ACTUAL FIELD CONDITIONS, EXPOSED OR CONCEALED AND TAKE INTO ACCOUNT ANY POSSIBLE CONSTRUCTION INTERFERENCES AND RELATIONS OF, BUT NOT LIMITED TO STRUCTURES, EQUIPMENT, UTILITIES, CABLES, DUCT LINES, PIPING, DRAIN LINES, ETC.
3. ANY PORTION OF EXISTING STRUCTURE ADJACENT TO THE CONSTRUCTION WHICH MAY BE DISTURBED OR DAMAGED BY THE CONSTRUCTION SHALL BE PROTECTED PRIOR TO COMMENCEMENT OF THE WORK. AT NO ADDITIONAL COSTS TO THE OWNER.
4. EXISTING STRUCTURE SHALL BE PROTECTED, MAINTAINED AND SUPPORTED DURING THE CONSTRUCTION WORK.

DEMOLITION

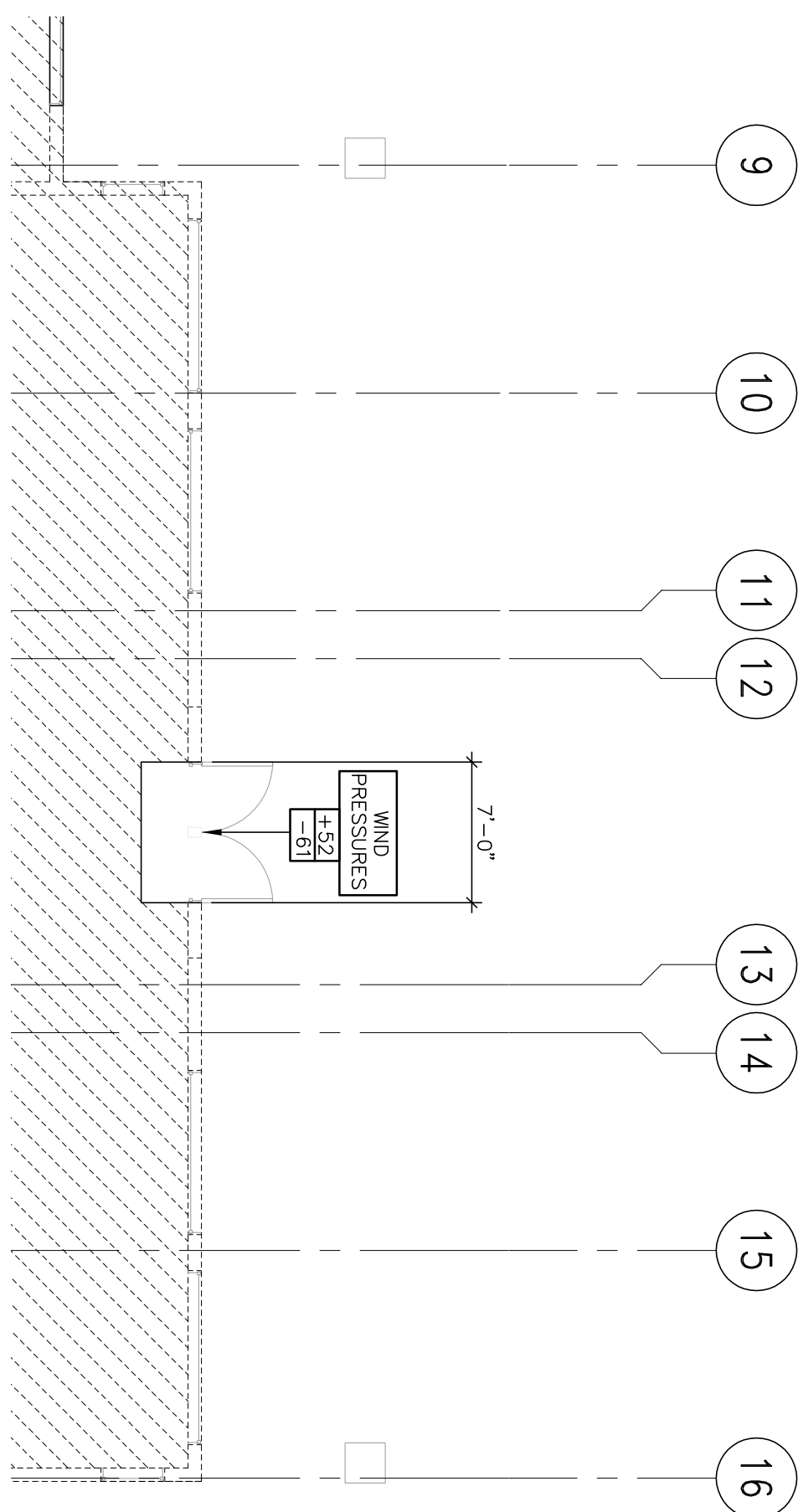
1. CONTRACTOR TO:
 - A. OBTAIN DEMOLITION PERMIT BEFORE PROCEEDING WITH THE WORK.
 - B. PROVIDE THE NECESSARY LABOR, MATERIAL, SCAFFOLDING AND DRAWINGS.
 - C. DISCONNECT ALL ELECTRICAL, PLUMBING, AND AIR CONDITIONING SYSTEMS WITHIN THE AREA TO BE DEMOLISHED BEFORE PROCEEDING WITH DEMOLITION WORK.
 - D. PREPARE ONLY THE MEMBERS INDICATED IN THE DRAWINGS. REQUEST CONCRETE MEMBERS IN SMALL SECTIONS. TAKE EVERY PRECAUTION TO PROTECT EXISTING STRUCTURE THAT IS TO REMAIN. USE BRACING AND SHORING AS NECESSARY TO AVOID COLLAPSE OF STRUCTURE.
 - E. REMOVE ALL RUBBISH AND DEBRIS FROM BUILDING AND FROM PROPERTY.

SHORING AND RESHORING

1. THE CONTRACTOR SHALL REQUIRE AND MAINTAIN SHORING, BRACING AND STRUCTURAL SUPPORTS AS REQUIRED TO PRESERVE THE STABILITY OF THE STRUCTURE DURING CONSTRUCTION. SUBMIT SIGNED AND SEALED SHOP DRAWINGS PREPARED BY A DELEGATED ENGINEER EXPERIENCED IN SUCH WORK AND LICENSED IN THE STATE OF FLORIDA TO THE ARCHITECT AND ENGINEER FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION OF ALL RELATED SAFETY PRECAUTIONS AND PROGRAMS.
2. THE BRACING DETAILS OF THE EXTERIOR WALLS OF WHICH IN SOME CASES, THE ROOF DECK DIAPHRAGM AND ROOFING MEMBERS WILL BE REMOVED LEAVING THE EXTERIOR WALLS UNBRACED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAKE A SPECIALTY EFFORT AND BRACING ENGINEER TO PROVIDE THE REQUIRED DOCUMENTS FOR THIS EFFORT.

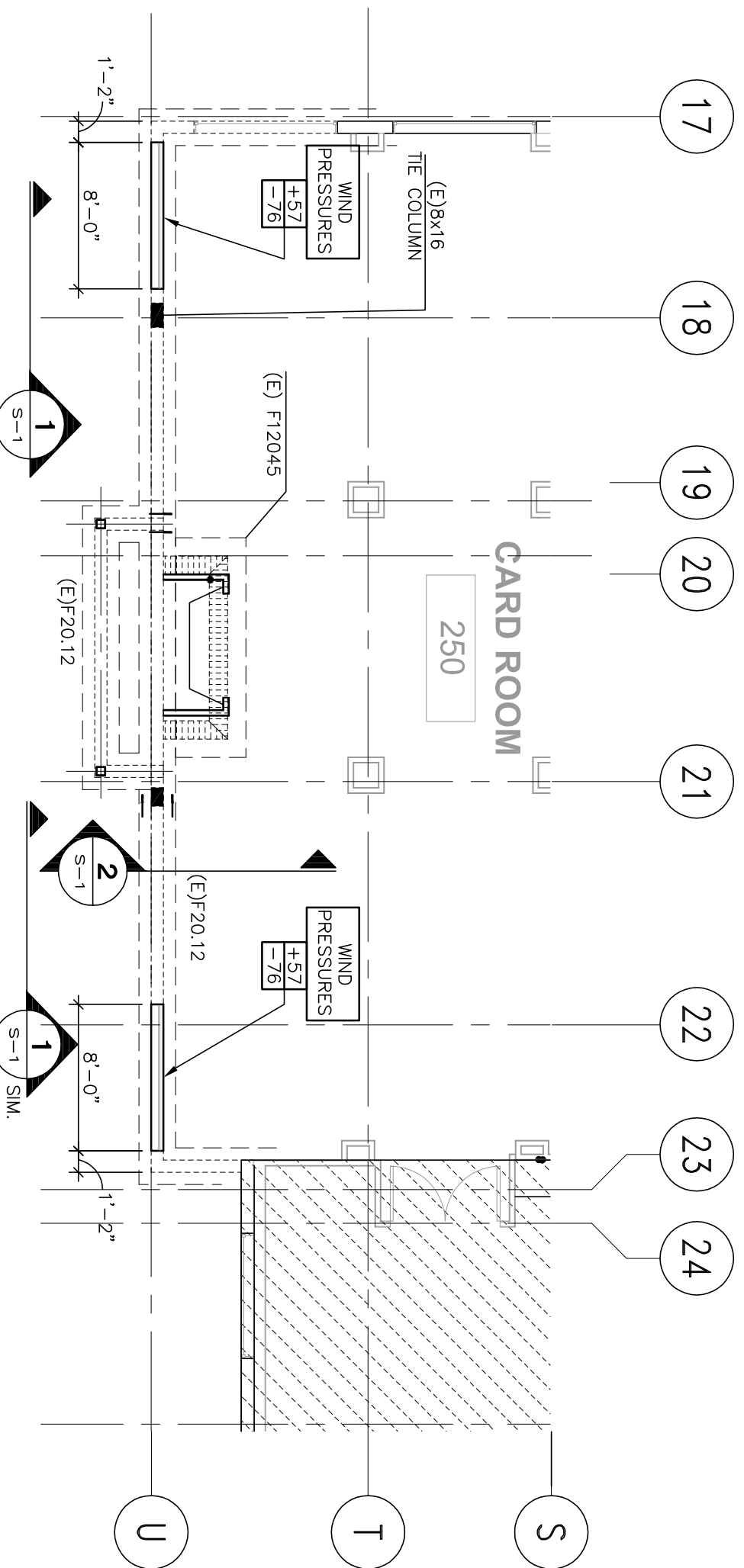
CONCRETE

1. CONCRETE ELEMENTS TO HAVE THE FOLLOWING STRENGTHS:
 - A. BEAMS 3000 PSI
 - B. MASONRY GROUT 3000 PSI
2. ALL OTHER CONCRETE TO BE 3000 PS UNLESS NOTED OTHERWISE:
 - A. A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI @ 28 DAYS
 - B. SLUMPS SHALL BE 3" MINIMUM AND 5" MAXIMUM
 - C. CONCRETE SHALL HAVE 3 +/- 1.5 PERCENT AIR ENTRAINMENT.
 - D. ALL CONCRETE TO HAVE MAXIMUM WATER/CEMENT RATIO OF 0.55.
 - E. JOBSITE WATER SHALL NOT BE ADDED.
 - F. CEMENT SHALL CONFORM WITH ASTM C150 TYPE 1, SLAG, ASTM C999 SHALL BE LIMITED TO 50% (BY WEIGHT OF CEMENTITIOUS MATERIAL AND FLY ASH, ASTM D681, CLASS F, SHALL BE LIMITED TO 25% (BY WEIGHT) OF CEMENTITIOUS MATERIAL.
3. ALL CONCRETE WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE ACI BUILDING CODE (ACI 318/ LATEST EDITION), THE ACI DETAILING MANUAL FOR REINFORCED CONCRETE STRUCTURES (ACI 315/ LATEST EDITION), AND CONCRETE FOR BUILDINGS (ACI 308/ LATEST EDITION).
4. SUBMIT REINFORCING STEEL SHOP DRAWINGS PRIOR TO ANY FABRICATION.
5. CONCRETE COVER FOR REINFORCING STEEL SHALL BE AS REQUIRED BY ACI SPECIFICATIONS.
 - A. ALL REINFORCING STEEL SHALL BE MANUFACTURED FROM HIGH STRENGTH BILLET STEEL CONFORMING TO ASTM DESIGNATION A 615 GRADE 60.
6. REQUIREMENTS:
 - A. SHOP DRAWINGS SHALL BE SUBMITTED IN COMPLETE PACKAGES, WITH THE GENERAL CONTRACTOR'S REVIEW STAMP FOR THE FOLLOWING:
 1. CONCRETE MIX DESIGNS
 2. CONCRETE REINFORCING STEEL AND WELDED WIRE FABRIC



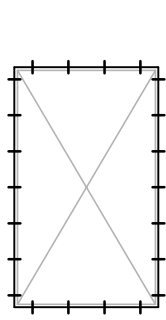
PARTIAL FOUNDATION PLAN
1/8"=1'-0"

NOTES:
1) NOTIFY ENGINEER OF ANY DISCREPANCIES BEFORE COMMENCING WORK.

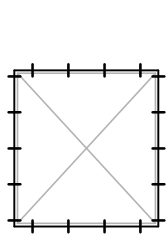


PARTIAL FOUNDATION PLAN
1/8"=1'-0"

NOTES:
1) NOTIFY ENGINEER OF ANY DISCREPANCIES BEFORE COMMENCING WORK.



(WINDOW & DOOR OPENINGS)
7'-0" WIDE AND LARGER)
2" X P.T. BUCK W/ 1/4" X 4" TACON W/ 1 1/2" EMBEDMENT AT 8" O.C., START 3" FROM CORNERS.

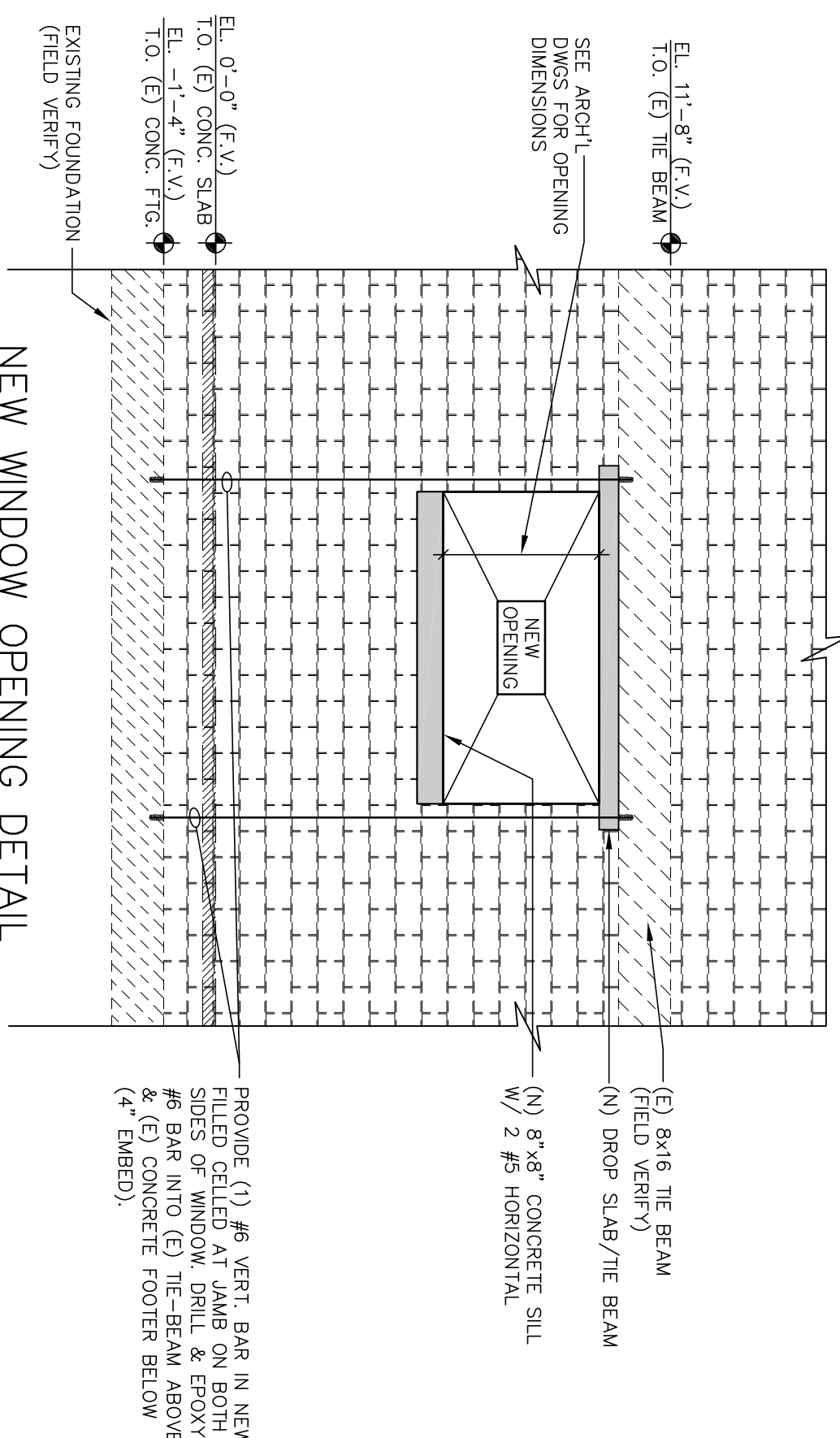


(WINDOW & DOOR OPENINGS)
6'-6" WIDE AND SMALLER)
2" X P.T. BUCK W/ 1/4" X 4" TACON W/ 1 1/2" EMBEDMENT AT 8" O.C., START 3" FROM CORNERS.

TYPICAL WOOD BUCK TO CONCRETE CONNECTION DETAIL

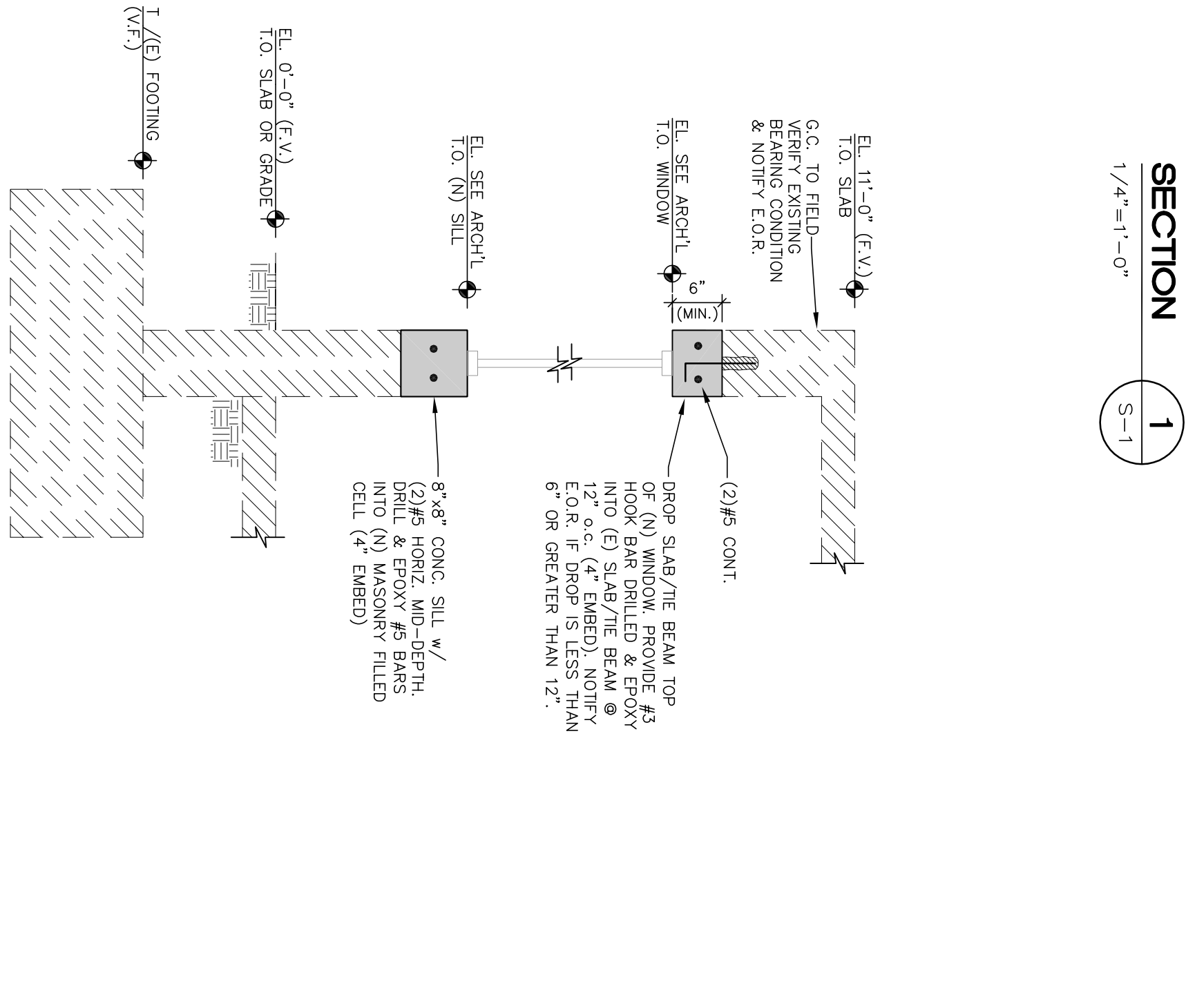
1. EXTERIOR GLAZED OPENINGS IN BUILDINGS SHALL COMPLY WITH ALL APPLICABLE BUILDING CODES AND OTHER APPLICABLE REGULATIONS. THE BUILDING SHALL BE PROVIDED WITH IMPACT RESISTANT SYSTEMS.

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 - B. CONCRETE REINFORCING STEEL AND WELDED WIRE FABRIC



SECTION 1
1/4"=1'-0"

S-1



SECTION 2
3/4"=1'-0"

S-1

PERMIT SET
04/18/16

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FLORIDA LICENSE#RE: A020022019

PROJECT NO. 15165
DESIGNED BY: RAJW
DRAWN BY: TOCE/MA
CHECKED BY: RAJW
SUBMITTALS: 04/07/2016
PERMIT SET

REVISIONS:

Partial
Foundation Plan-
Section and
Structural notes

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