

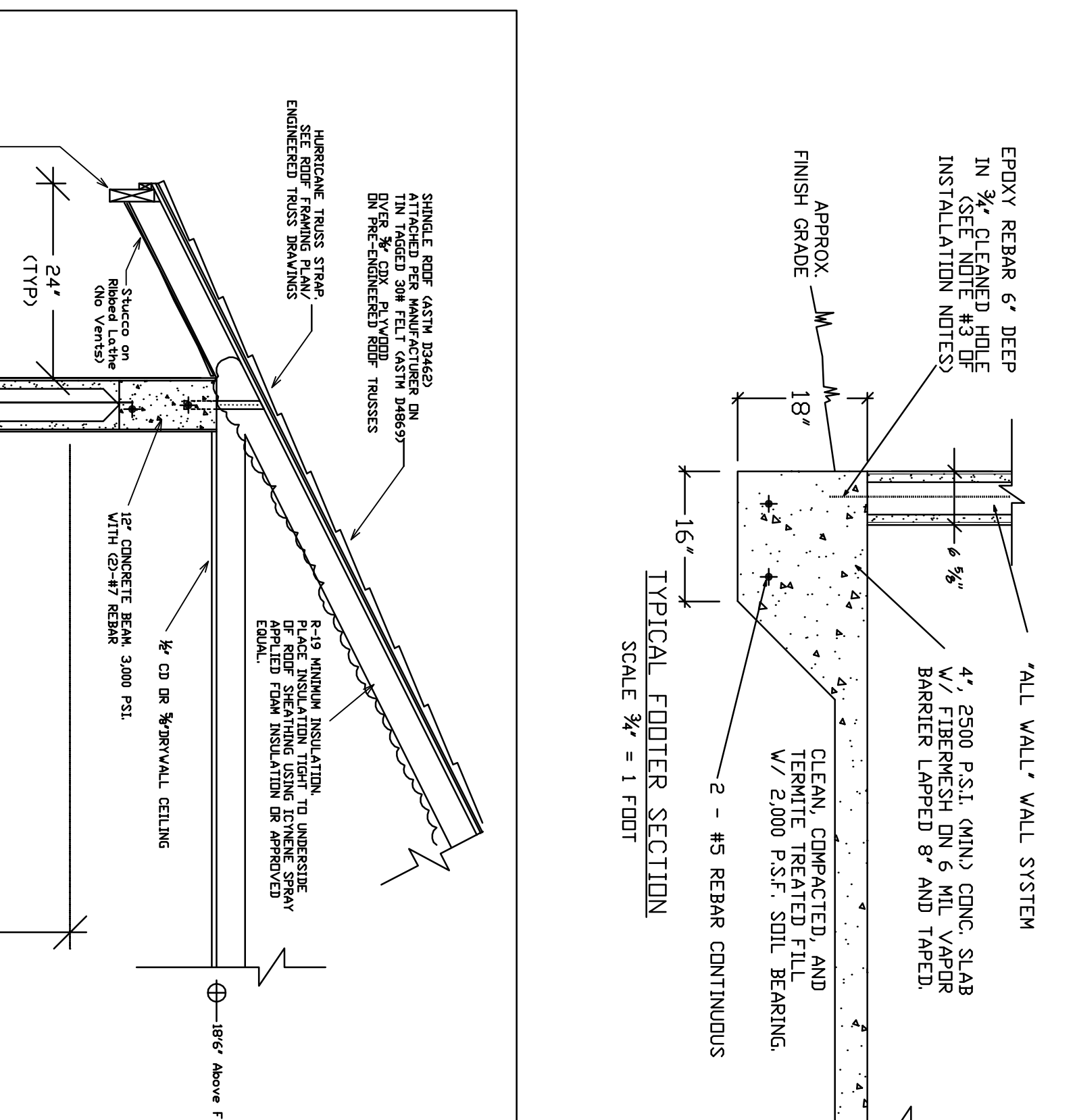
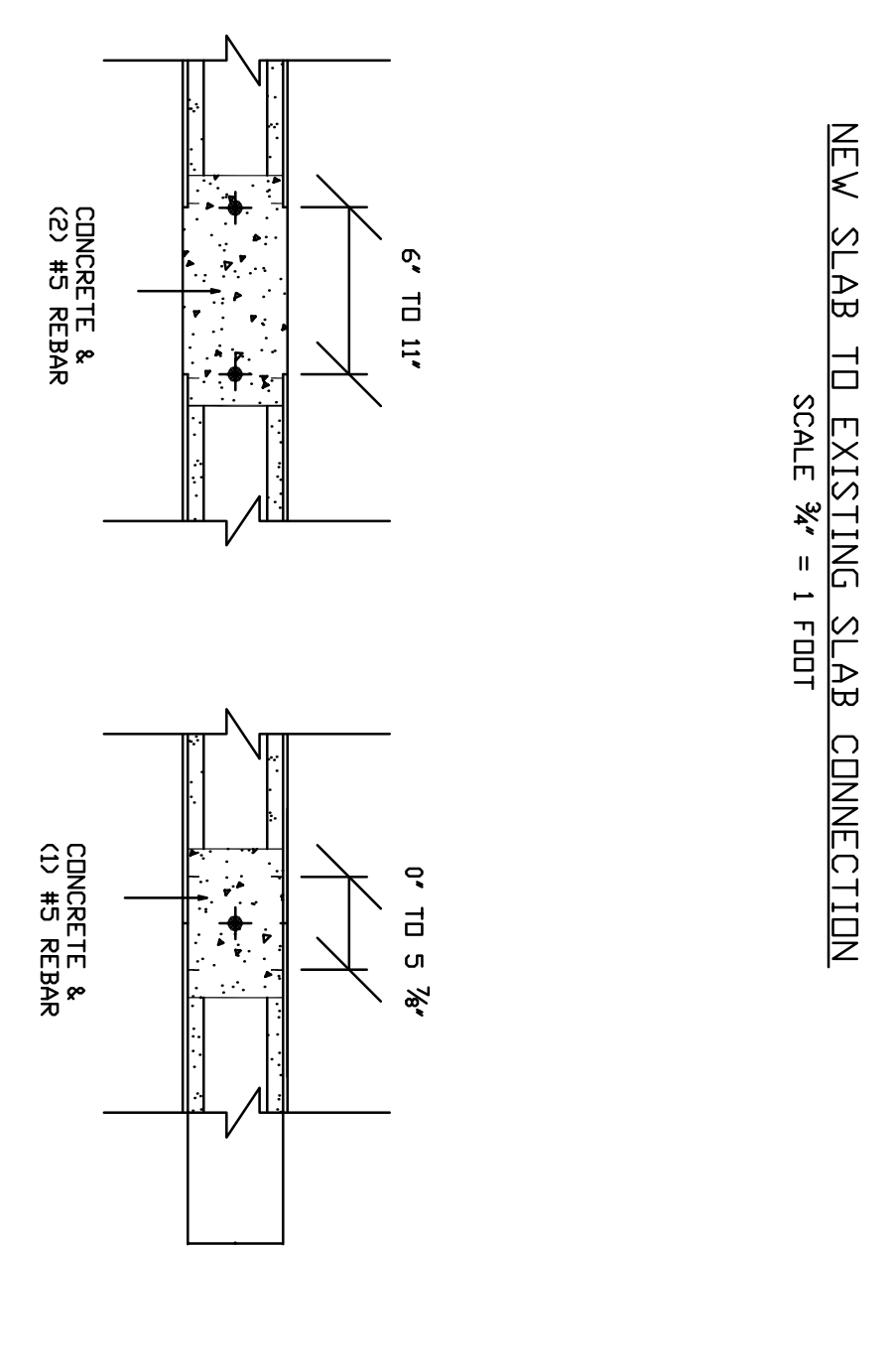
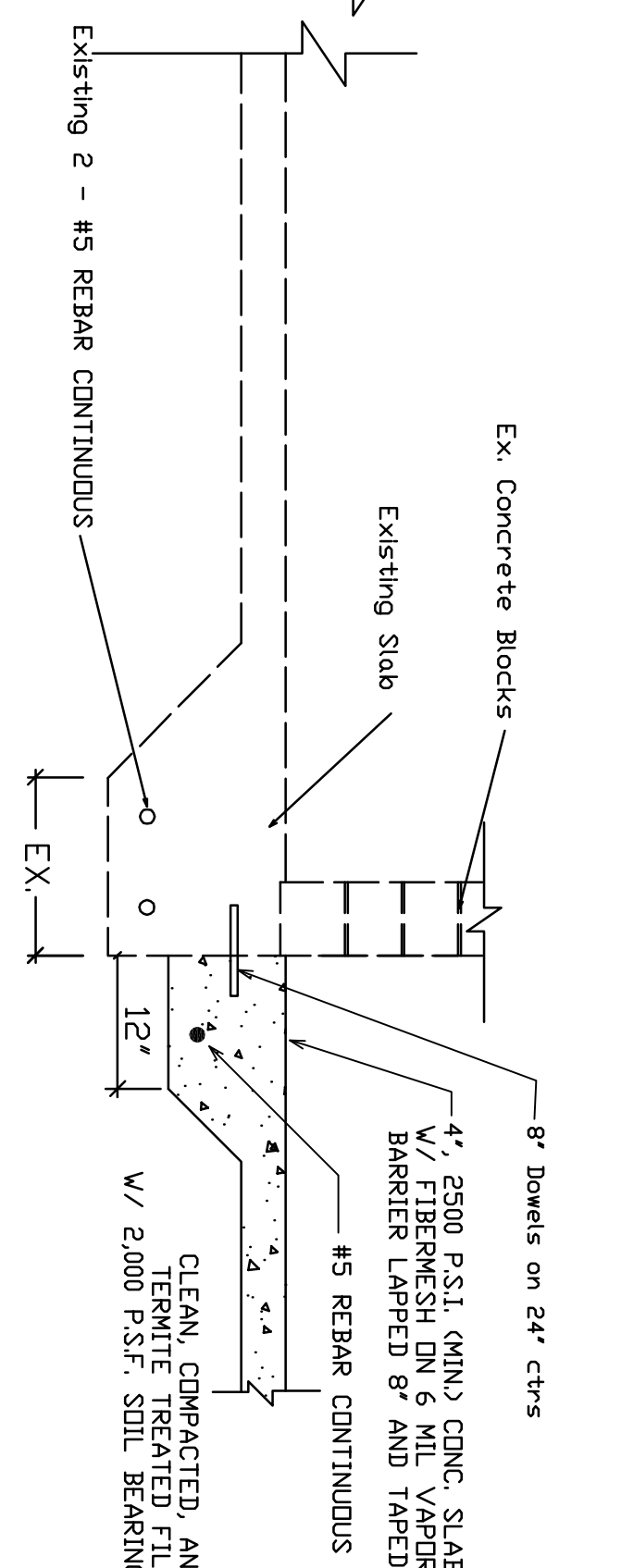
NOTES:  
 1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH "SPECIFICATIONS FOR STRUCTURAL CONCRETE BUILDING" ACI-301-66  
 2. ALL CONCRETE SHALL BE PLACED IN ACCORDANCE WITH THE CONTRACTOR'S PRACTICE AND SHALL BE PROTECTED TO THE WORKING FACE OF THE CONCRETE AT ALL TIMES.

ENGINEER:  
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 FL Lic No: 38647  
 Date:

CUSTOMER:  
 DATE: FEB. 2006

SHEET  
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- FOUNDATION & CONCRETE NOTES:**
- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH "SPECIFICATIONS FOR STRUCTURAL CONCRETE BUILDING" ACI-301-66  
 GEMENT: ASTM C-150, TYPE 1  
 WATER: POTABLE  
 AGGREGATE: ASTM C-33  
 AGGREGATE: ASTM A-615, GRADE 40  
 MIN. ACCESSORIES: A01-315  
 MIN. ACCESSORIES: A01-185, 6X6 W/4/W/4 CURING COMPOUND: ASTM C-309, TYPE 1  
 FORMWORK: AQ 347 DESIGN AND FABRICATION OF FORMWORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.  
 TOLERANCES: FLOOR SLABS: 1/8 INCH IN 10 FOOT MAXIMUM FINISHES: FLOOR SLABS - BROOM. FLOORS TO RECEIVE TILE - BROOM. SAW CUT CRACK CONTROL IN SLAB AT MAX SPACING 15'-0" O.C. (SEE DETAIL FOR CRACK CONTROL). FINISHES SHALL BE TO THE WORKING FACE OF THE CONCRETE.  
 DESIGN IS BASED ON AN ASSUMED SOIL BRG. CAPACITY OF 2000 PSF.
  - ALL VEGETATION IS TO BE REMOVED FROM SLAB / FOUNDATION AREA AND ALL VEGETATION IS TO BE BURIED WITHIN 15' OF ANY BUILDING OR PROPOSED BUILDING.  
 ALL EXISTING UTILITIES SHALL BE CLEARED OF ALL NON-PRESERVATIVE TREATED WOOD OR CELLULOSE MATERIAL PRIOR TO PLACEMENT OF CONCRETE.
  - SOIL TREATMENT TO EXTEND 1 FOOT BEYOND EXTERIOR SIDEWALLS OF STRUCTURE.  
 SOIL TREATMENT CERTIFICATE TO BE STORED IN WEATHER RESISTANT JOBSITE PLANS BOX.
  - MINIMUM COVER FOR REINFORCING STEEL UNLESS OTHERWISE NOTED SHALL BE:  
 A) 3" CONCRETE DEPOSITED AGAINST GROUND  
 B) 1 1/2" WALLS EXPOSED TO WEATHER OR IN CONTACT WITH GROUND  
 C) 1 1/2" WALLS NOT EXPOSED TO THE WEATHER  
 D) 1 1/2" COLUMNS  
 E) 1 1/2" BEAMS (OVER MAIN REINFORCING)  
 F) 3/4" STRUCTURAL SLABS FROM SURFACE
  - ALL CONCRETE SLABS & FOOTINGS SHALL ATTAIN A MIN. STRENGTH OF 2500 P.S.I. IN 28 DAYS.
  - ALL CONCRETE BEAMS AND COLUMNS SHALL ATTAIN A MIN. STRENGTH OF 3000 P.S.I. IN 28 DAYS.
  - ALL CONSTRUCTION MUST CONFORM TO FLORIDA BUILDING CODE 2004



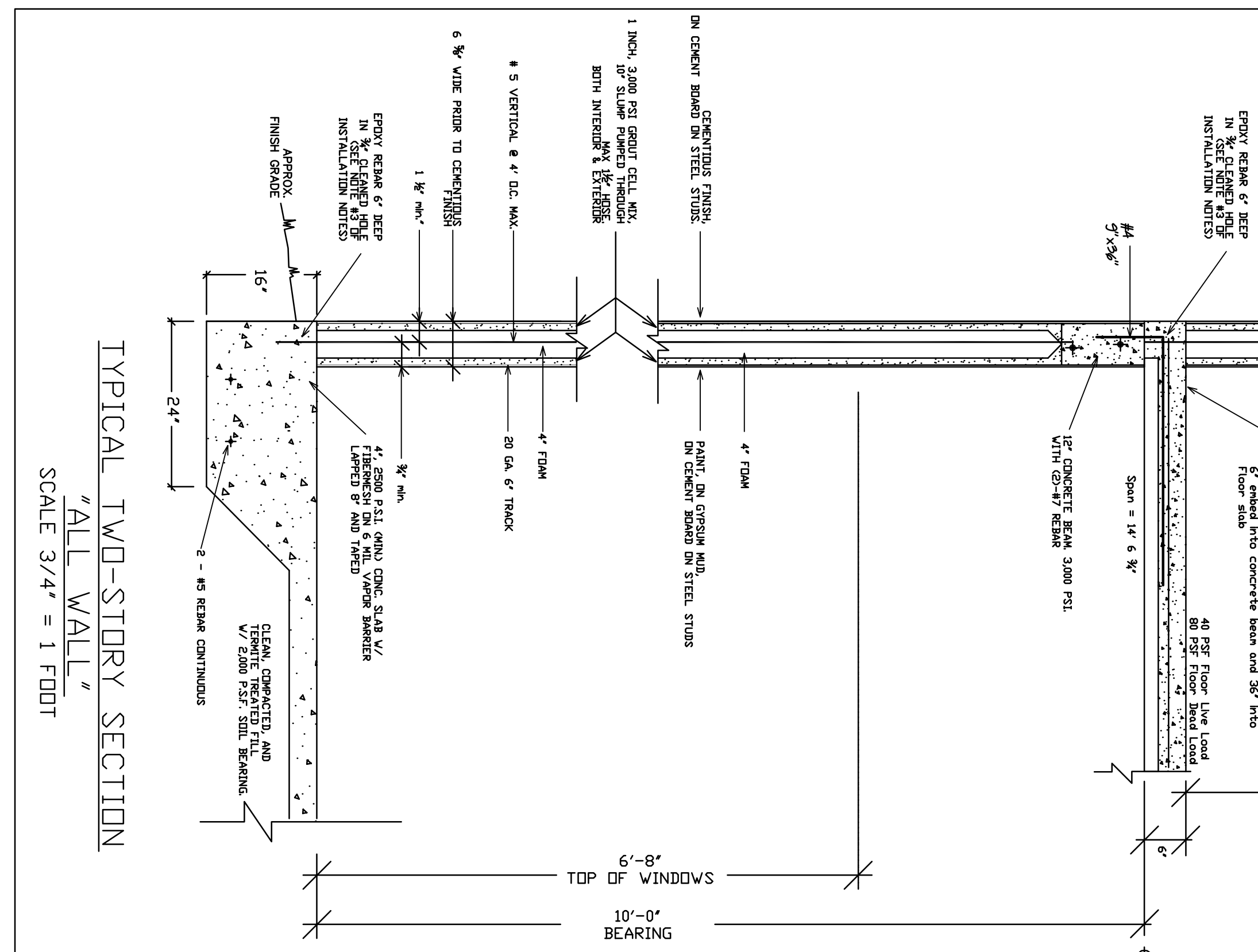
**ALL WALL PROVIDES A CONTINUOUS TRANSFER OF LOADS (UP/LIFT) FROM FOUNDATION TO ROOF.**

**TYPICAL SECTION "ALL WALL"**  
 SCALE 3/4" = 1 FOOT

**WALL LEGEND**  
 ██████████ INTERIOR WALLS  
 ▨ ALTERNATE

**ALL WALL "PERMANENT CONCRETE FORMS" INSTALLATION NOTES**

- CONCRETE SLAB PER DESIGNER, TO MEET LOCAL CODES. (SUGGESTION MINIMUM 2500 PSI CONCRETE) THICKNESS UNDER WALL PANELS TO BE A MINIMUM OF 8" FOR INTERIOR BEARING WALLS.
- ALTERNATE WATER STOPS:  
 - A SAW CUT 1/2" DEEP INTO SLAB AND CAULK AND PLACE 1 1/2" MIN. 20 GAUGE STRIPS AT INSIDE EDGE OF WALL PANELS. CAULK OVERLAPED STRIPS. SEE DETAIL FOR STRIP INSTALLATION.  
 - C. CAULK WITH MATERIAL THAT BONDS CONCRETE AND CONCRETE ALONG THE INTERIOR EDGE OF THE PANELS AFTER THEY ARE FILLED WITH CONCRETE.
- COLUMNS WHERE PANELS JOIN, INCLUDING EXTERIOR CORNERS, AND ON EACH SIDE OF COLUMN AND BEARING WALLS, SHALL BE REINFORCED WITH 3/4" EMBEDMENT WITH ULTRA BOND 2 EPOXY. THAT HAS AN ULTIMATE TENSION = 14167 LBS. OR APPROVED EQUAL.
- TIE BEAMS PRE-FORMED IN THE PANELS FOR STEEL PLACEMENT IN BEAM SEE THE CROSS SECTION, TYPICALLY TYPE -#7 REBARS, TWO REBARS, ONE ON TOP, ONE BOTTOM.
- ANCHORING FRUSSES:  
 - ANCHORED WITH THE ENGINEER/ARCHITECT'S DEFINED STRAPS EMBEDDED IN TO THE BEAM PER THEIR INSTRUCTIONS. FRUSSES INSTALLER, IS RESPONSIBLE FOR PROVIDING STRAPS AND INSTALLING THEM IN THE WET CONCRETE AT THE TIME OF THE POUR.  
 - RESPONSIBILITY OF THE INSTALLER.  
 - SUGGESTION EACH WALL PANEL IS TO HAVE ONE DIAGONAL BRACE TO SUPPORT IT, ALTERNATE HORIZONTAL C-STUD FASTENED TO THE FACE OF THE PANELS.
- CONCRETE CONCRETE IS TO BE A MINIMUM OF 3000 PSI WHEN DESIGNED WITH A SLUMP OF 10" OR (2) 7" SACK GRADE GROUT. 8"-12" SLUMP WITH 2 UNITS OF RETARDER. SWITCH BOXES, AND PIPING WITHIN THE WALLS SHALL BE SIGNED OFF ON THE INSPECTION SHEET POSTED ON THE JOB. RESPONSIBILITY OF THE GENERAL CONTRACTOR TO COORDINATE THE SCHEDULE, OR OBTAIN VERBAL OR WRITTEN RELEASE OF THIS INSPECTION BY THE ISSUERS OF THE BUILDING PERMIT. A UL NUMBER OR ASSEMBLY NUMBER IS NOT REQUIRED OF THIS PANEL BECAUSE IT IS FILLED ON STEEL/DEFLECTION FORM SHOULD BE SET AT A SLAB OF 415 CY PER HOUR. THIS IS VERY SLOW) FINISHES: BY OTHERS.
- TYPICAL EXTERIOR FINISH WOULD BE:  
 - FLEXIBLE SILICONE SEALANT, APPLY JOINT MESH OVER ALL JOINTS, APPLY CEMENTITIOUS MATERIAL THAT HAS BEEN MIXED WITH BONDING AGENTS, BONDING AGENT FOR USE ON EXTERIOR WORK SHALL MEET THE REQUIREMENTS OF ASTM C 923 THROUGHOUT THE ENTIRE WALL. THEN PAINT PER PAINT MANUFACTURERS SPECIFICATIONS. SUELV MEMOS, THEN EXTEND THE WALL, THEN PAINT - FINISH UNPAINTED SIDING WITH MINIMUM ONE COAT HIGH QUALITY, ALKALI-RESISTANT PRIMER AND ONE COAT OF EITHER 100Z ACRYLATE OR LATEX OR OIL BASED, EXTERIOR GRADE TOPCOAT FOR TWO COATS WITHIN 90 DAYS OF INSTALLATION.  
 - TYPICAL INTERIOR FINISH IS ACHIEVED BY TAPING JOINTS WITH DRYWALL TAPE AND COMPOUND, SANDING, THEN PAINTING PER PAINT MANUFACTURERS SPECIFICATIONS.



**FIRE RATING DETAIL 5 FOR 2 HOUR FIRE RATING:**  
 NOMA TEK, TEK T-1A, FIRE RESISTANCE (200), NATIONAL CONCRETE MASONRY ASSOCIATION, DOCUMENT AVAILABLE AT: WWW.NCMA.ORG  
 FIRE TESTING OF WALL ASSEMBLIES IS CONDUCTED IN ACCORDANCE WITH THE STANDARD TEST METHODS FOR FIRE TESTS OF BUILDING CONSTRUCTION AND MATERIALS, ASTM E 119 (REF.) WHICH MEASURES FOR PERFORMANCE CRITERIA.

